



FCC RADIO TEST REPORT

FCC ID : 2AYOA-4003
Equipment : SMART GLASSES
Brand Name : Ray-Ban Meta or Ray-Ban
Model Name : RW4006
RW4008
RW4009
Applicant : Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy
Manufacturer : Luxottica Group S.p.A.
Piazzale Cadorna 3 20123 Milan, Italy
Standard : FCC Part 15 Subpart E §15.407

The product was received on May 11, 2023 and testing was performed from May 25, 2023 to Jun. 08, 2023. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Abi Lin

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035



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History of this test report

Report No.	Version	Description	Issue Date
FR230525001	01	Initial issue of report	Jul. 03, 2023
FR230525001	02	Revise Equipment Name, Brand Name, Applicant and Manufacturer information This report is an updated version, replacing the report issued on Jul. 03, 2023.	Jul. 27, 2023



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(d)(6)	Contention Based Protocol	Pass	-

Conformity Assessment Condition:
The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.

Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs IEEE 802.11 a/b/g/n/ac/ax WLAN standards, and Bluetooth 5.2 + LE	
Antenna Type WLAN and Bluetooth: Inverted-F and folded monopole	
SW Version	12/SQ3A.220605.009.A1/49757590052300100: userdebug/test-keys

Antenna information		
5925 MHz ~ 6425 MHz	Peak Gain (dBi)	Ant. 0: 1.9
6425 MHz ~ 6525 MHz	Peak Gain (dBi)	Ant. 0: 1.7
6525 MHz ~ 6875 MHz	Peak Gain (dBi)	Ant. 0: 3.5
6875 MHz ~ 7125 MHz	Peak Gain (dBi)	Ant. 0: 2.5

Remark:

1. Three different models (RW4006/RW4008/RW4009) share the same PCB, material and function according to manufacturer's declaration, the only differences between each variant model are color and dimension which make no impact on the test results.
2. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway Milpitas, CA 95035 USA TEL : 408 9043300
Test Site No.	Sporton Site No. DFS01-CA

FCC designation No.: US 1250

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v01r01
- ♦ ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.



2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency and Channel

BW 20M	Channel	1	5	9	13	17	21	25	29
	Freq. (MHz)	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	Channel	3		11		19		27	
	Freq. (MHz)	5965		6005		6045		6085	
BW 80M	Channel	7				23			
	Freq. (MHz)	5985				6065			
BW 160M	Channel	15							
	Freq. (MHz)	6025							
BW 20M	Channel	33	37	41	45	49	53	57	61
	Freq. (MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	Channel	35		43		51		59	
	Freq. (MHz)	6125		6165		6205		6245	
BW 80M	Channel	39				55			
	Freq. (MHz)	6145				6225			
BW 160M	Channel	47							
	Freq. (MHz)	6185							



BW 20M	Channel	65	69	73	77	81	85	89	93
	Freq. (MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	Channel	67		75		83		91	
	Freq. (MHz)	6285		6325		6365		6405	
BW 80M	Channel	71				87			
	Freq. (MHz)	6305				6385			
BW 160M	Channel	79							
	Freq. (MHz)	6345							

BW 20M	Channel	97	101	105	109	113	117	121	125
	Freq. (MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	Channel	99		107		115		123	
	Freq. (MHz)	6445		6485		6525		6565	
BW 80M	Channel	103				119			
	Freq. (MHz)	6465				6545			
BW 160M	Channel	111							
	Freq. (MHz)	6505							

BW 20M	Channel	129	133	137	141	145	149	153	157
	Freq. (MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	Channel	131		139		147		155	
	Freq. (MHz)	6605		6645		6685		6725	
BW 80M	Channel	135				151			
	Freq. (MHz)	6625				6705			
BW 160M	Channel	143							
	Freq. (MHz)	6665							

BW 20M	Channel	161	165	169	173	177	181	185	189
	Freq. (MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	Channel	163		171		179		187	
	Freq. (MHz)	6765		6805		6845		6885	
BW 80M	Channel	167				183			
	Freq. (MHz)	6785				6865			
BW 160M	Channel	175							
	Freq. (MHz)	6825							



BW 20M	Channel	193	197	201	205	209	213	217	221
	Freq. (MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	Channel	195		203		211		219	
	Freq. (MHz)	6925		6965		7005		7045	
BW 80M	Channel	199				215			
	Freq. (MHz)	6945				7025			
BW 160M	Channel	207							
	Freq. (MHz)	6985							
BW 20M	Channel	225				229			
	Freq. (MHz)	7075				7095			
BW 40M	Channel	227							
	Freq. (MHz)	7085							



3 Test Result

3.1 Contention Based Protocol

3.1.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

(d)(6) Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

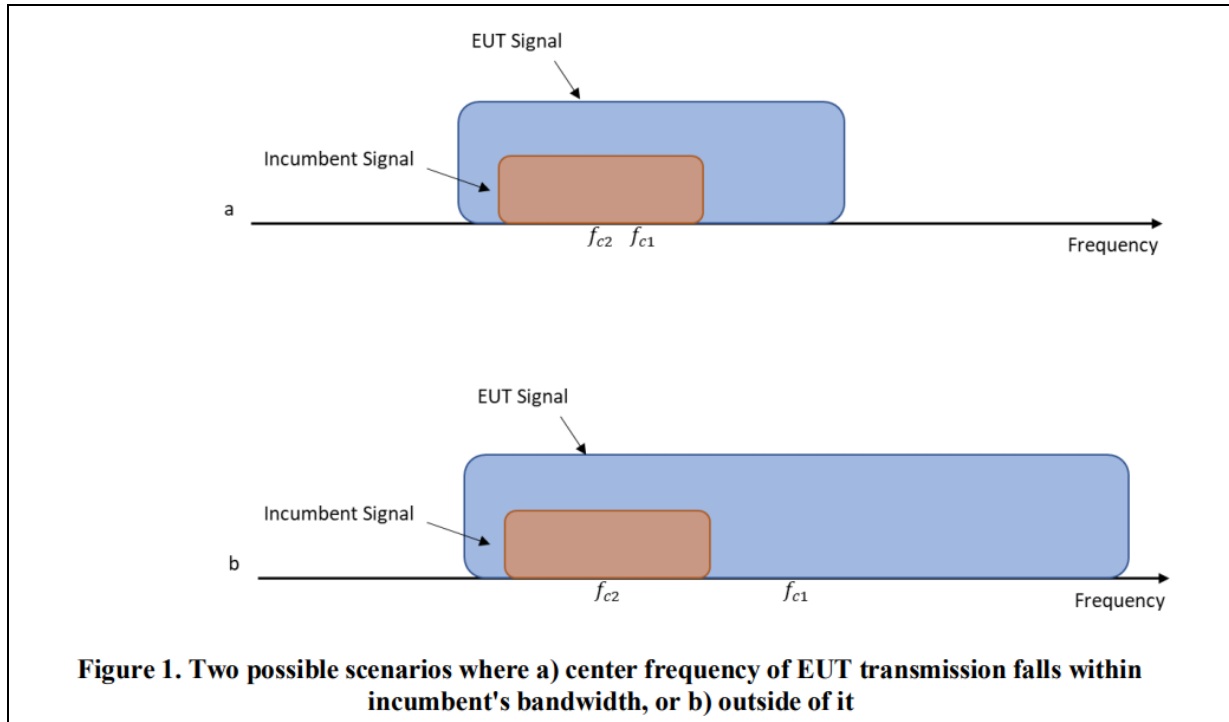
where:

BW_{EUT} : Transmission bandwidth of EUT signal

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

f_{c1} : Center frequency of EUT transmission

f_{c2} : Center frequency of simulated incumbent signal



3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

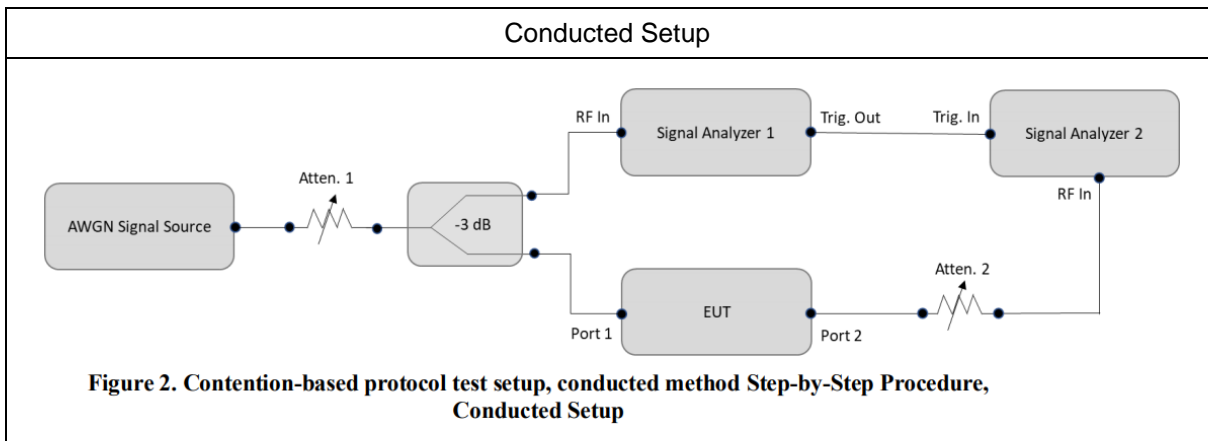
Section I) Contention Based Protocol

Conducted method Step-by-Step Procedure, Conducted Setup

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in test setup Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in test setup Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.
12. For the contention-based protocol test where only one channel in each supported sub-band needs to be tested. The narrowest and widest bandwidth in each channel shall be measured EUT was driven in MIMO mode, the interferer level was injected to both chains to monitor the performance, while the interferer level is determined according the lowest antenna gain among both antennas (i.e, lower interferer level).

3.1.4 Test Setup



3.1.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
WLAN AP	ASUS	GT-AXE11000	Tri Band AP

3.1.6 Minimum Antenna gain for Contention Based Protocol Test

Antenna Gain	<UNII-5>: 1.9 dBi <UNII-6>: 1.7 dBi <UNII-7>: 3.5 dBi <UNII-8>: 2.5 dBi
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Note: The CBP antenna gain is considering the minimum gain from closed mode as worse case.



3.1.7 Test Summary of Contention Based Protocol Test

Test Engineer :	David Hung	Temperature :	19.2~23.4°C
		Relative Humidity :	47.6~51.7%

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)	
UNII-5	6135	20	6135	-70.84	100	-62	-72.74	10.74	
				Result: Stop Transmission					
				-71.84	< 90	-62	-73.74	11.74	
				Result: Minimal Operation					
				-75.84	0	-62	-77.74	15.74	
				Result: Normal Operation					
	6185	160	6110	-75.98	100	-62	-77.88	15.88	
				Result: Stop Transmission					
				-76.98	< 90	-62	-78.88	16.88	
				Result: Minimal Operation					
				-80.98	0	-62	-82.88	20.88	
				Result: Normal Operation					
			6260	6185	-74.82	100	-62	-76.72	14.72
					Result: Stop Transmission				
					-75.82	< 90	-62	-77.72	15.72
					Result: Minimal Operation				
					-79.82	0	-62	-81.72	19.72
					Result: Normal Operation				
6260	6185	-70.08	100	-62	-71.98	9.98			
		Result: Stop Transmission							
		-71.08	< 90	-62	-72.98	10.98			
		Result: Minimal Operation							
		-75.08	0	-62	-76.98	14.98			
		Result: Normal Operation							

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (1.9 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)		
UNII-6	6455	20	6455	-74.7	90	-62	-76.4	14.4		
				Result: Stop Transmission						
				-75.7	< 90	-62	-77.4	15.4		
				Result: Minimal Operation						
				-79.7	0	-62	-81.4	19.4		
				Result: Normal Operation						
	6505	160	6430	-71.42	90	-62	-73.12	11.12		
				Result: Stop Transmission						
				-72.42	< 90	-62	-74.12	12.12		
				Result: Minimal Operation						
				-76.42	0	-62	-78.12	16.12		
				Result: Normal Operation						
			6505	160	6505	-72.26	90	-62	-73.96	11.96
						Result: Stop Transmission				
						-73.26	< 90	-62	-74.96	12.96
						Result: Minimal Operation				
						-77.26	0	-62	-78.96	16.96
						Result: Normal Operation				
6580	160	6580	-73.07	90	-62	-74.77	12.77			
			Result: Stop Transmission							
			-74.07	< 90	-62	-75.07	13.77			
			Result: Minimal Operation							
			-78.07	0	-62	-79.07	17.77			
			Result: Normal Operation							

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (1.7 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)		
UNII Band 7	6695	20	6695	-75.24	100	-62	-78.74	16.74		
				Result: Stop Transmission						
				-76.24	< 90	-62	-79.74	17.74		
				Result: Minimal Operation						
				-80.24	0	-62	-83.74	21.74		
				Result: Normal Operation						
	6665	160	6590	-72.24	100	-62	-75.74	13.74		
				Result: Stop Transmission						
				-73.24	< 90	-62	-76.74	14.74		
				Result: Minimal Operation						
				-77.24	0	-62	-80.74	18.74		
				Result: Normal Operation						
			6665	160	6665	-73.17	100	-62	-76.67	14.67
						Result: Stop Transmission				
						-74.17	< 90	-62	-77.67	15.67
						Result: Minimal Operation				
						-78.17	0	-62	-81.67	19.67
						Result: Normal Operation				
6740	160	6740	-71.9	90	-62	-75.4	13.4			
			Result: Stop Transmission							
			-72.9	< 90	-62	-76.4	14.4			
			Result: Minimal Operation							
-76.9	0	-62	-80.4	18.4						
Result: Normal Operation										

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (3.5 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.



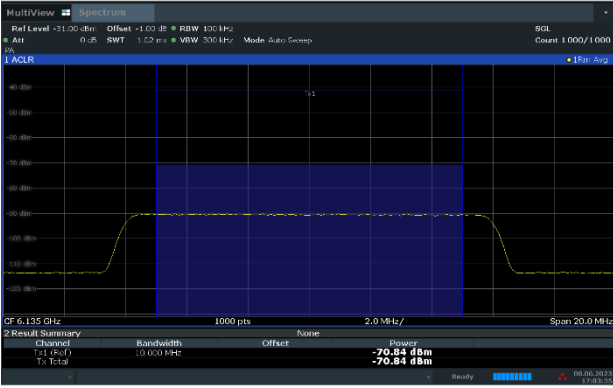
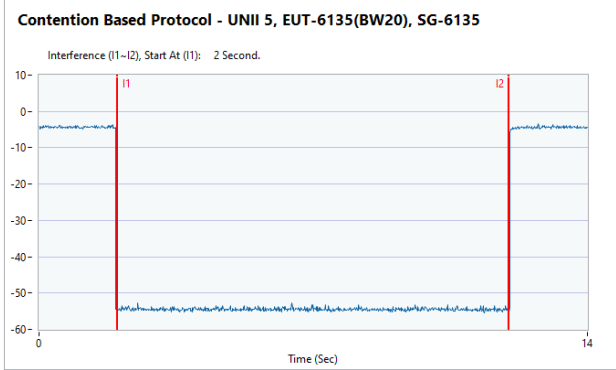
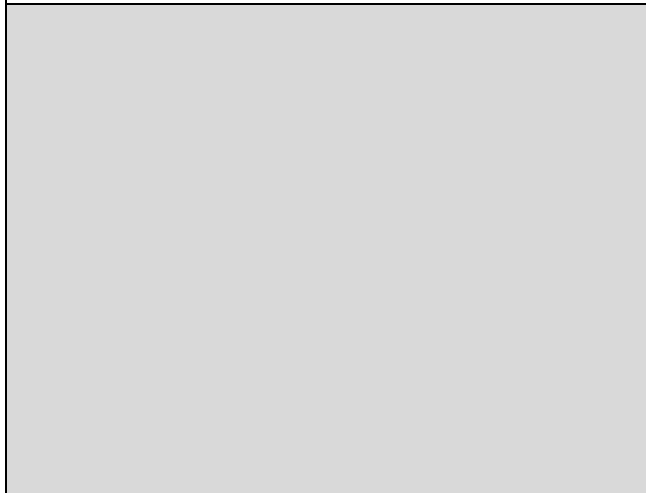
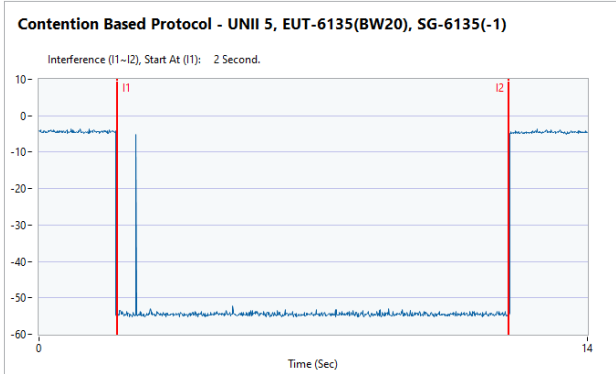
Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)		
UNII Band 8	7015	20	7015	-73.6	100	-62	-76.1	14.1		
				Result: Stop Transmission						
				-74.6	< 90	-62	-77.1	15.1		
				Result: Minimal Operation						
				-78.6	0	-62	-81.1	19.1		
				Result: Normal Operation						
	6985	160	6910	-73.12	100	-62	-75.62	13.62		
				Result: Stop Transmission						
				-74.12	< 90	-62	-76.62	14.62		
				Result: Minimal Operation						
				-78.12	0	-62	-80.62	18.62		
				Result: Normal Operation						
			6985	160	6985	-72	100	-62	-74.5	12.5
						Result: Stop Transmission				
						-73	< 90	-62	-75.5	13.5
						Result: Minimal Operation				
						-77	0	-62	-79.5	17.5
						Result: Normal Operation				
	7060	160	7060	-69.41	100	-62	-71.91	9.91		
				Result: Stop Transmission						
				-70.41	< 90	-62	-72.91	10.91		
				Result: Minimal Operation						
				-74.41	0	-62	-76.91	14.91		
				Result: Normal Operation						

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (2.5 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.

Note 3: Margin = Regulated Threshold level - Adjusted Power.

3.1.8 Test Plots of Contention Based Protocol Test

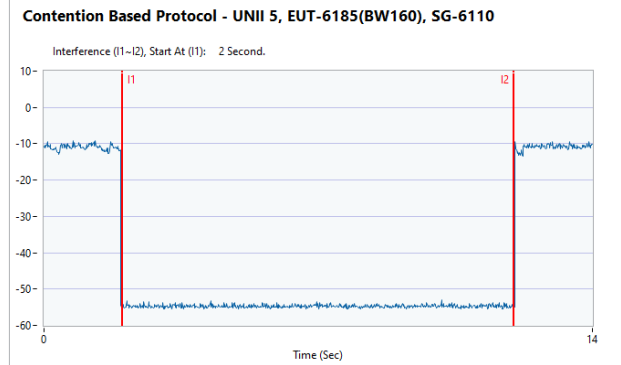
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -70.84dBm</p>	<p>802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.</p>
	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -71.84dBm</p>	<p>802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.</p>
	



Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

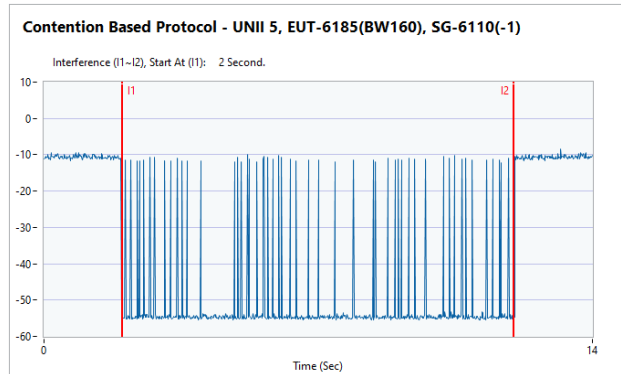
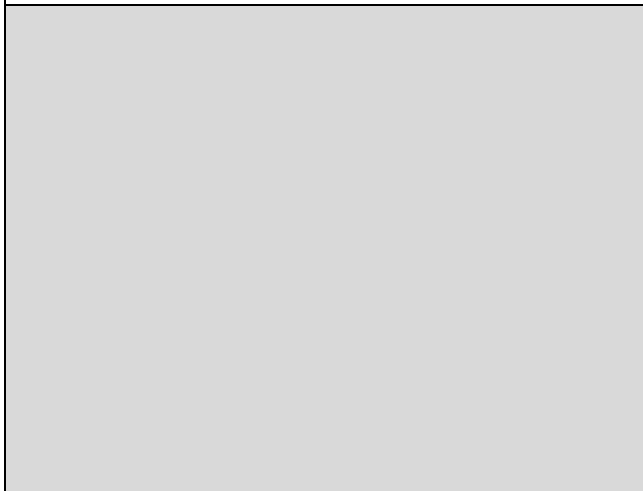
802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -75.98dBm

802.11ax (HE160) / CH47 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -76.98dBm

802.11ax (HE160) / CH47 (Lower edge)
Transmit when the interferer is 1dB lower.



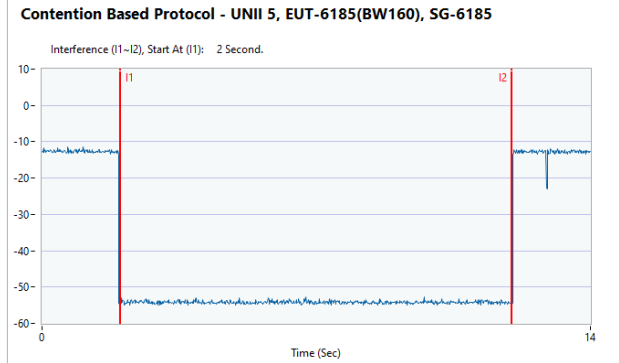
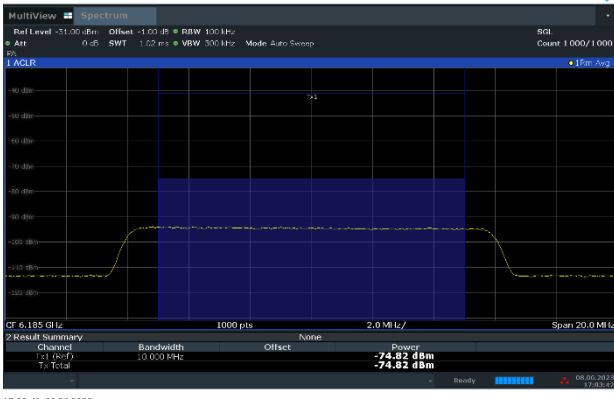


Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -74.82dBm

802.11ax (HE160) / CH47 (Middle)

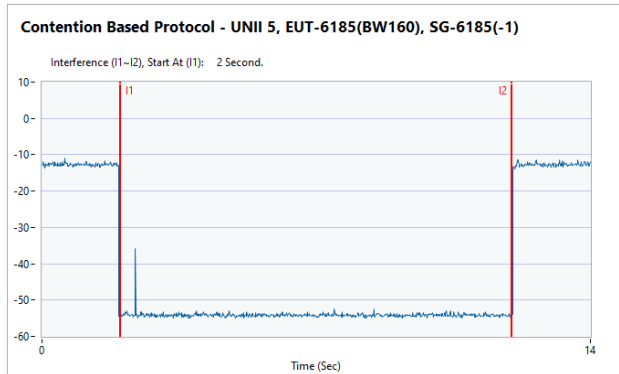
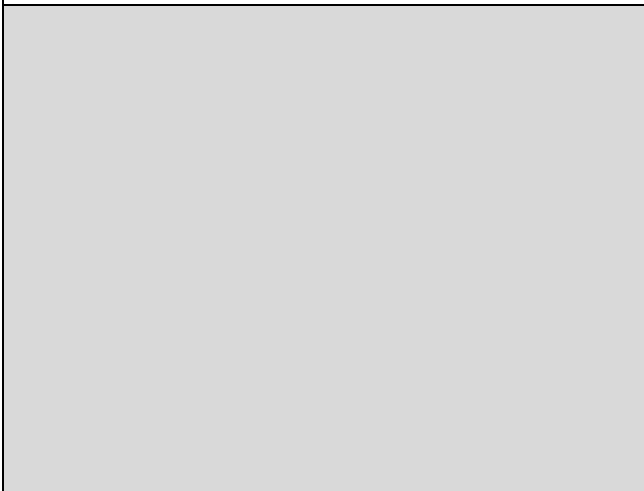
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -75.82dBm

802.11ax (HE160) / CH47 (Middle)

Transmit when the interferer is 1dB lower.

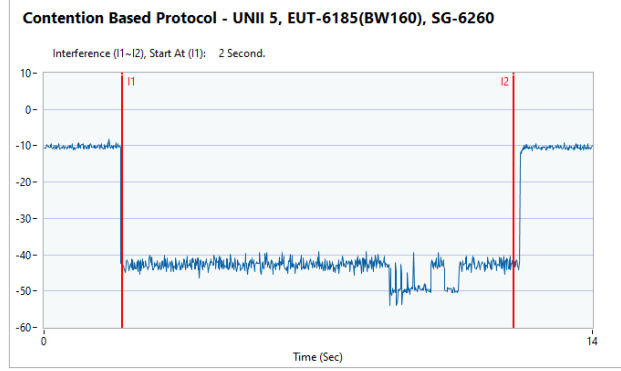
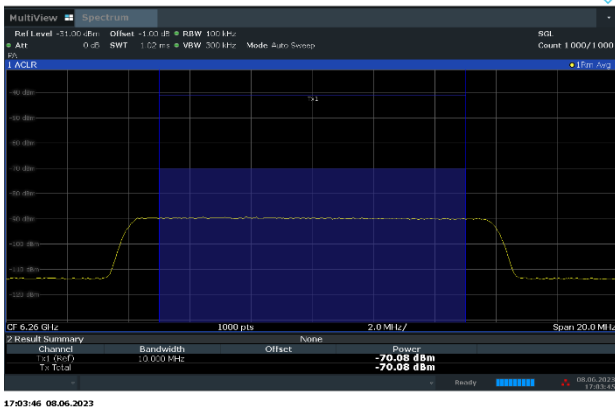




Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

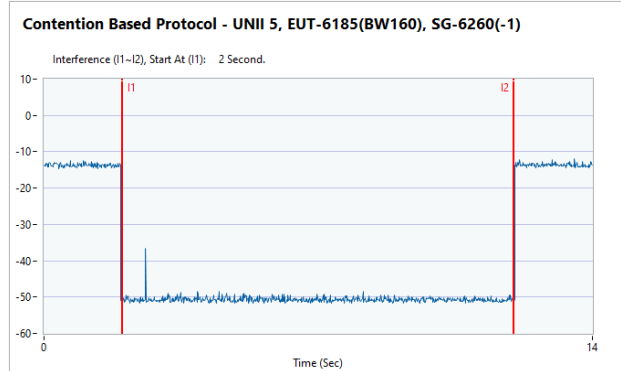
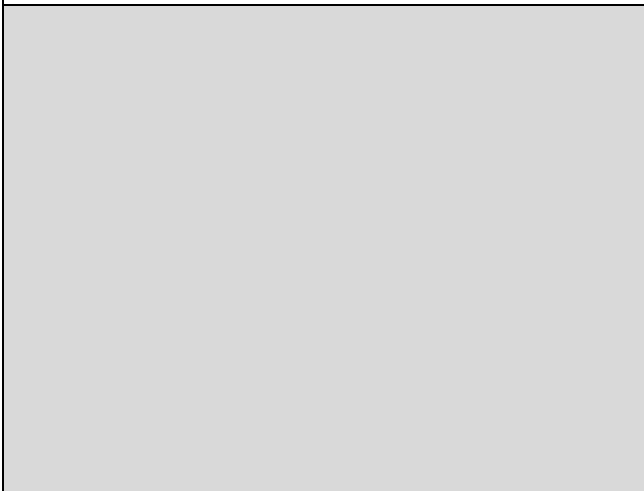
802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -70.08dBm

802.11ax (HE160) / CH47 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -71.08dBm

802.11ax (HE160) / CH47 (Upper edge)
Transmit when the interferer is 1dB lower.

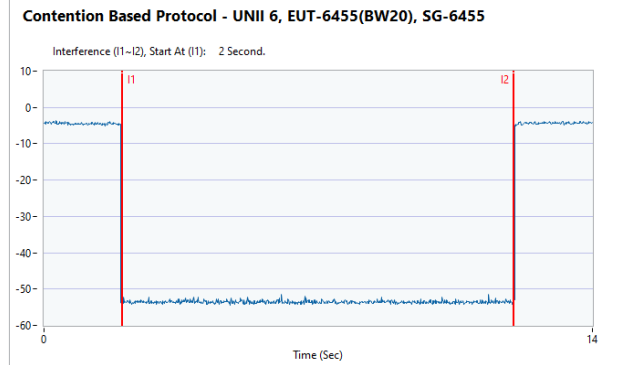
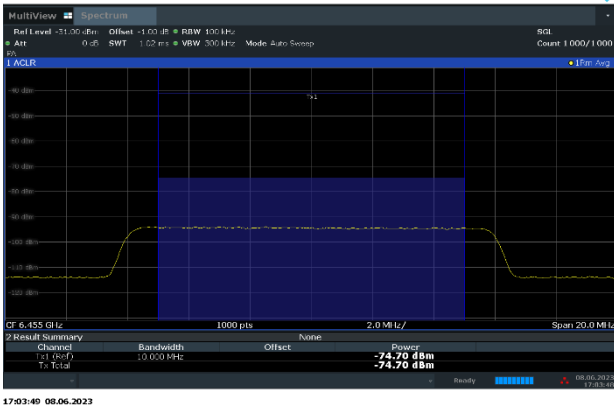




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

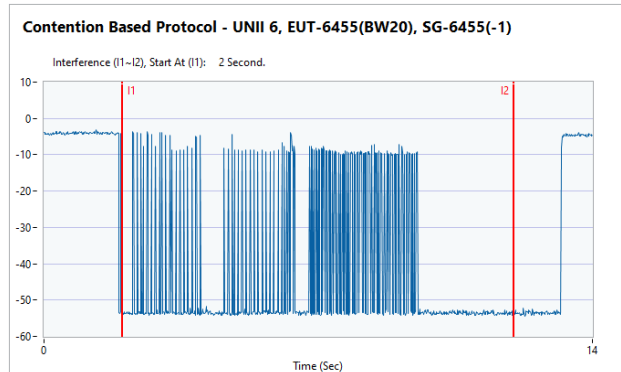
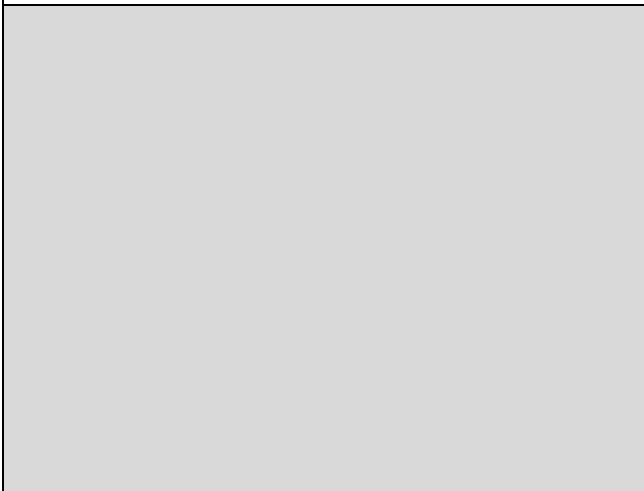
802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -74.7dBm

802.11ax (HE20) / CH101
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -75.7dBm

802.11ax (HE20) / CH101
Transmit when the interferer is 1dB lower.

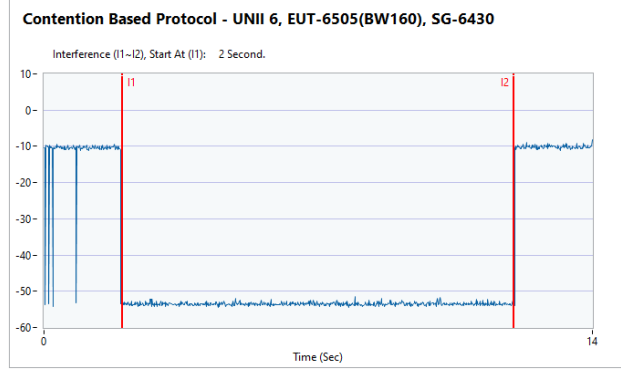
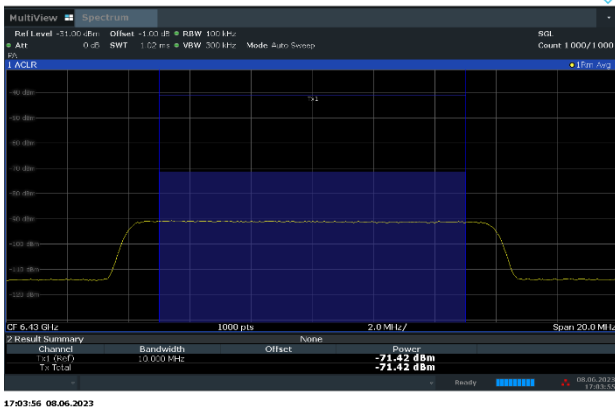




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

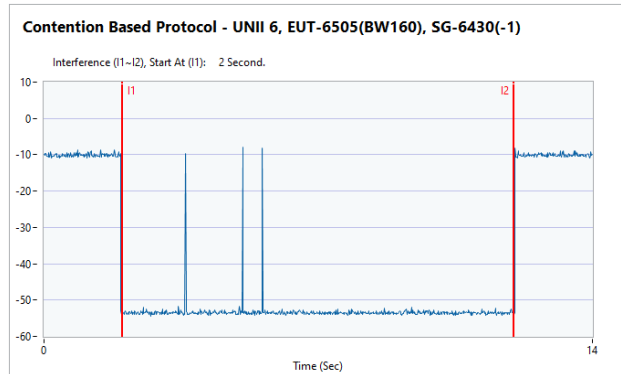
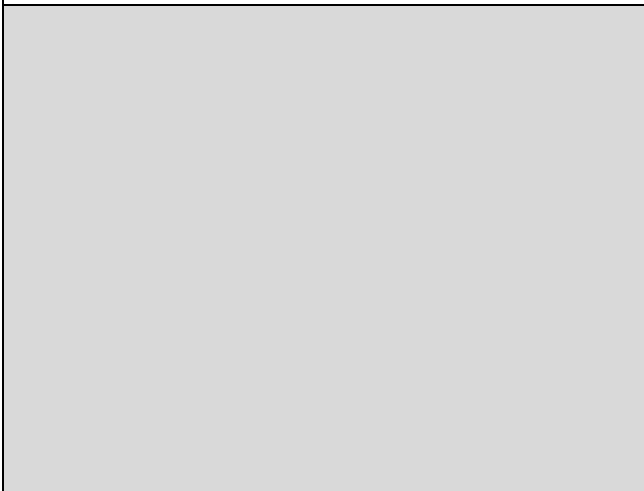
802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -71.42dBm

802.11ax (HE160) / CH111 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -72.42dBm

802.11ax (HE160) / CH111 (Lower edge)
Transmit when the interferer is 1dB lower.



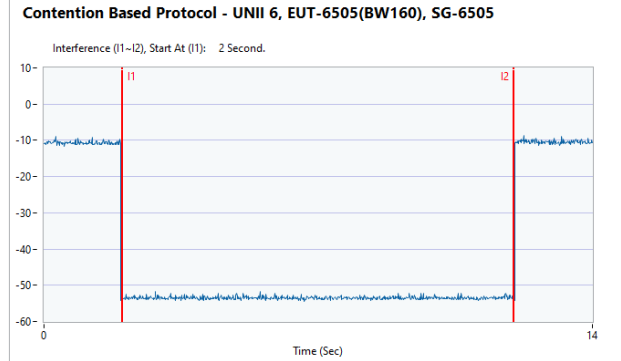
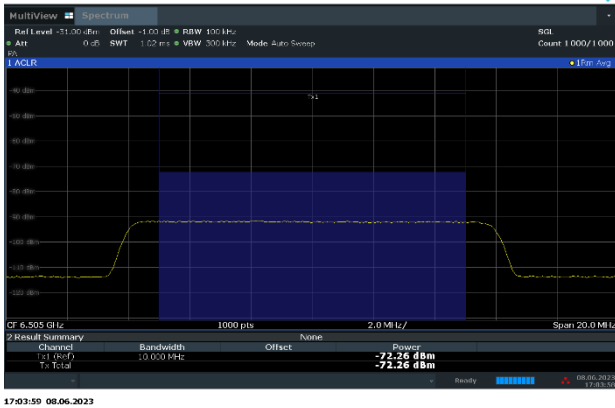


Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -72.26dBm

802.11ax (HE160) / CH111 (Middle)

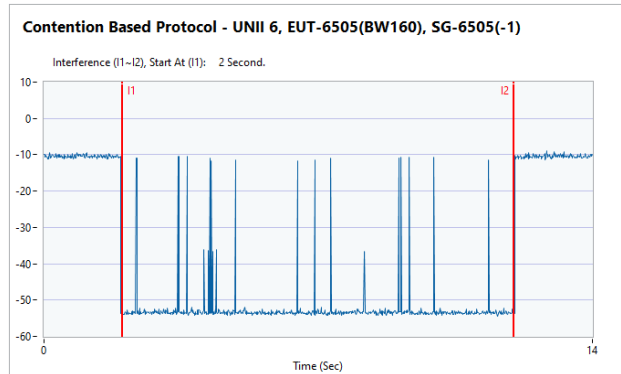
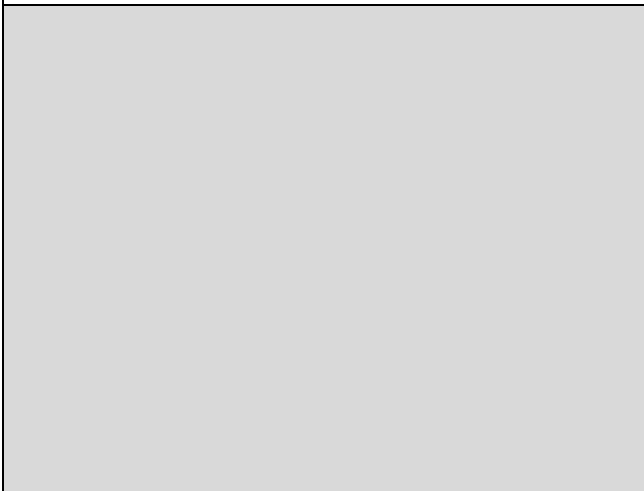
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -73.26dBm

802.11ax (HE160) / CH111 (Middle)

Transmit when the interferer is 1dB lower.

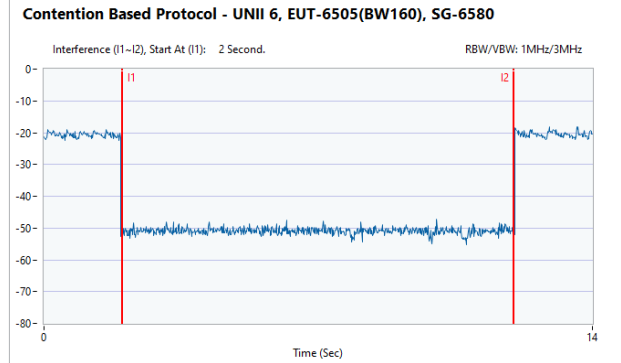
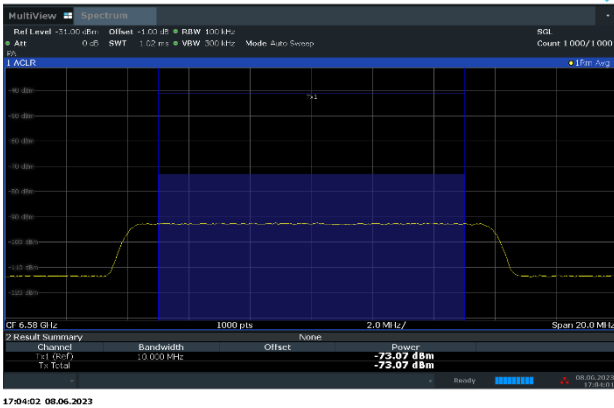




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

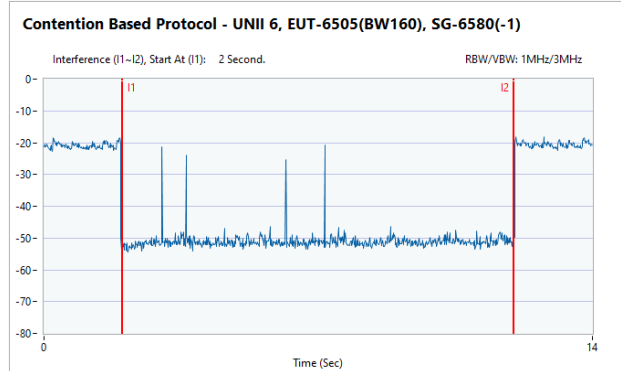
802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -73.07dBm

802.11ax (HE160) / CH111 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -74.07dBm

802.11ax (HE160) / CH111 (Upper edge)
Transmit when the interferer is 1dB lower.

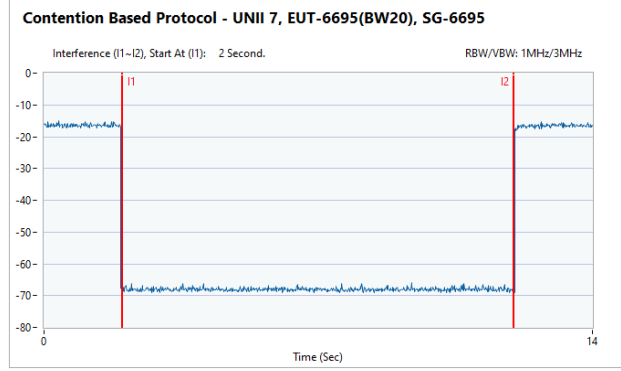
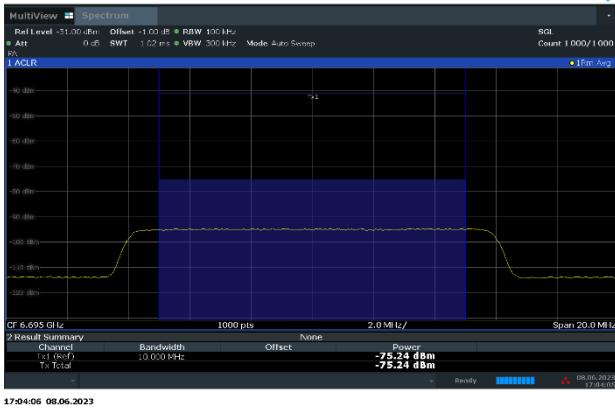




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

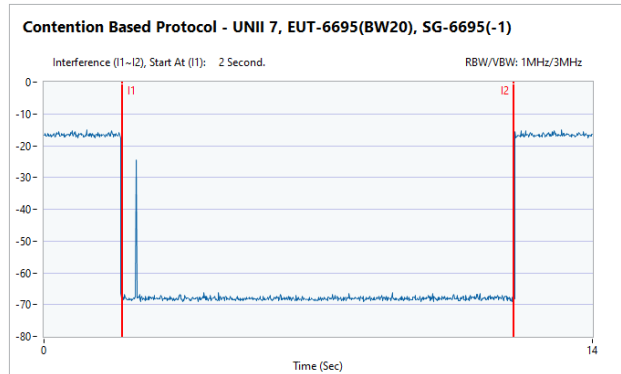
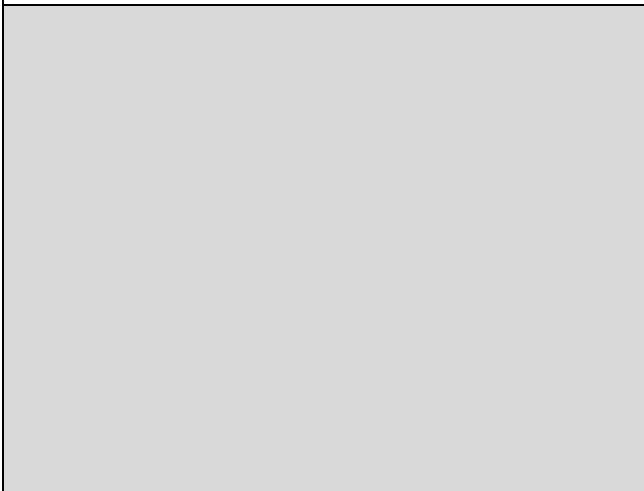
802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -75.24dBm

802.11ax (HE20) / CH149
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -76.24dBm

802.11ax (HE20) / CH149
Transmit when the interferer is 1dB lower.

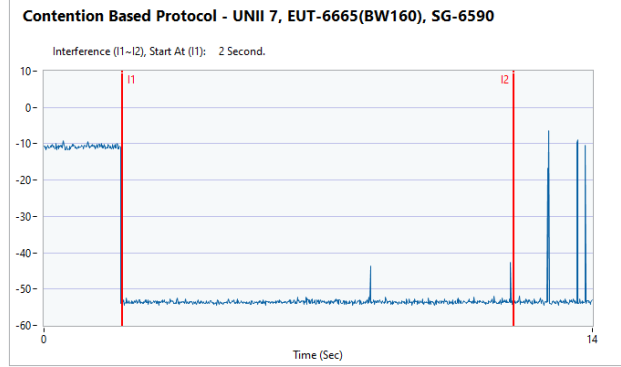
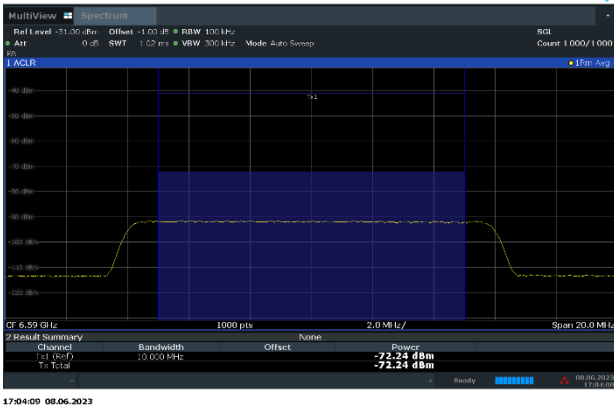




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

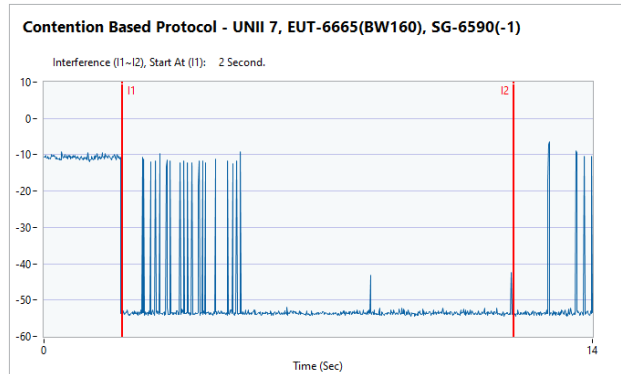
802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -72.24dBm

802.11ax (HE160) / CH143 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -73.24dBm

802.11ax (HE160) / CH143 (Lower edge)
Transmit when the interferer is 1dB lower.

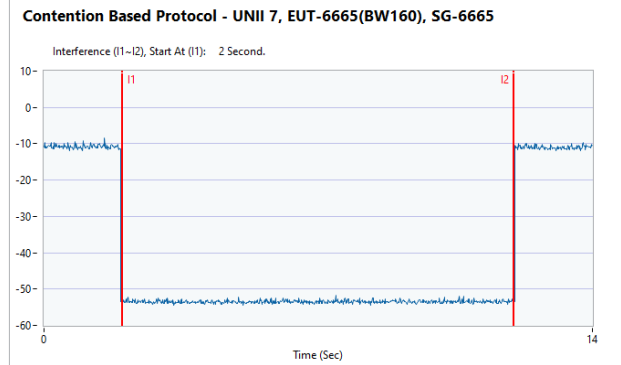
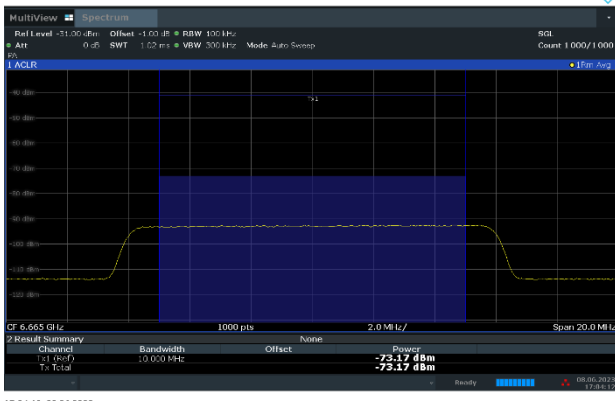




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

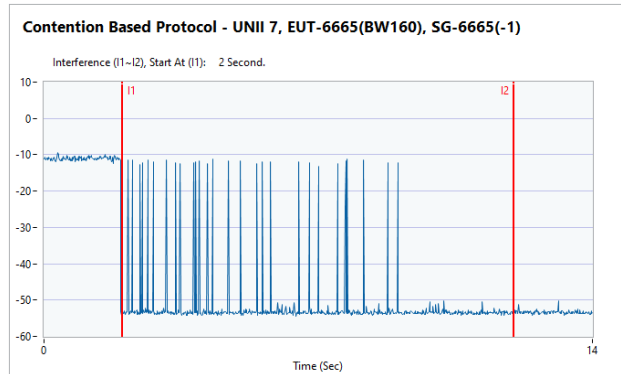
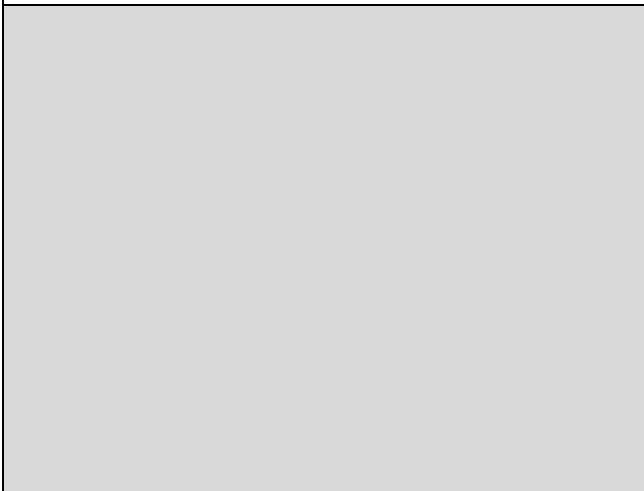
802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -73.17dBm

802.11ax (HE160) / CH143 (Middle)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -74.17dBm

802.11ax (HE160) / CH143 (Middle)
Transmit when the interferer is 1dB lower.

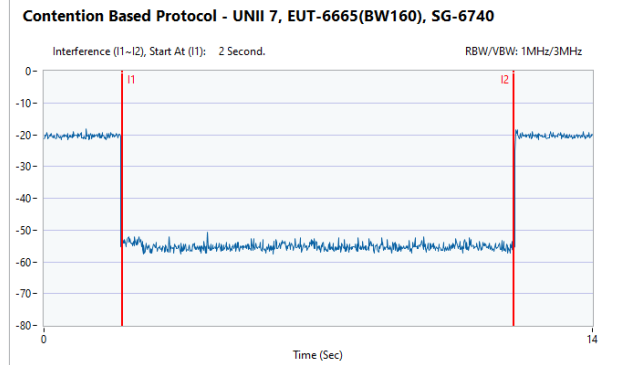
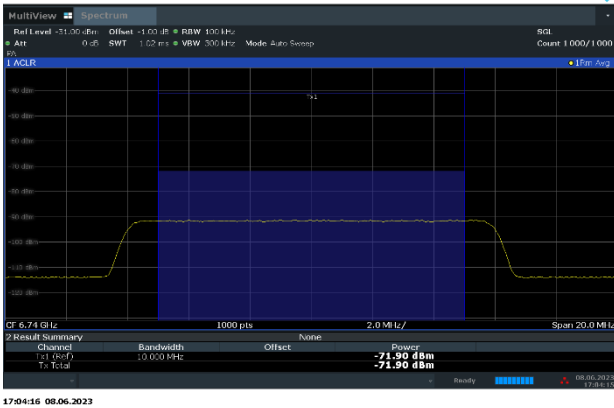




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

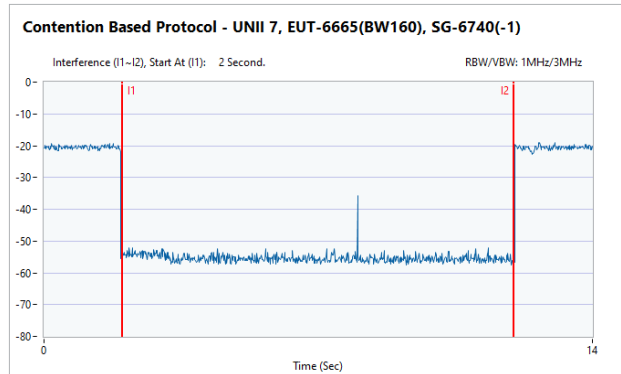
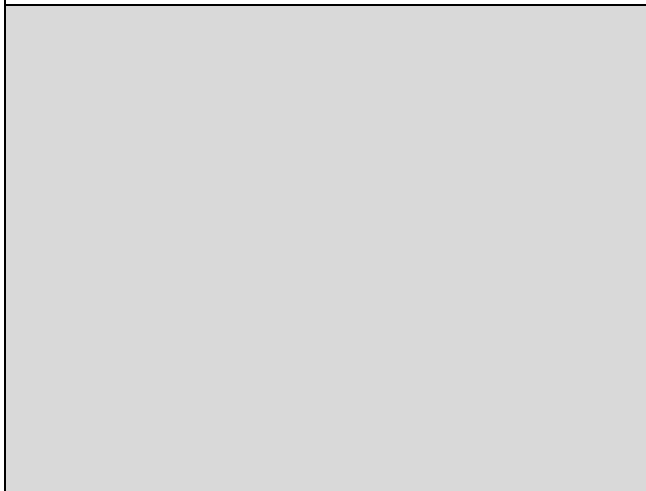
802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -71.9dBm

802.11ax (HE160) / CH143 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -72.9dBm

802.11ax (HE160) / CH143 (Upper edge)
Transmit when the interferer is 1dB lower.

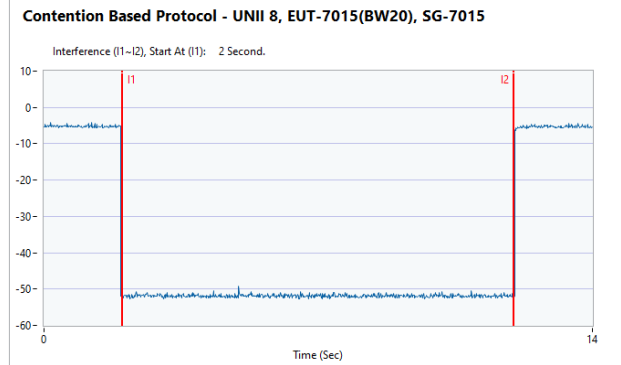
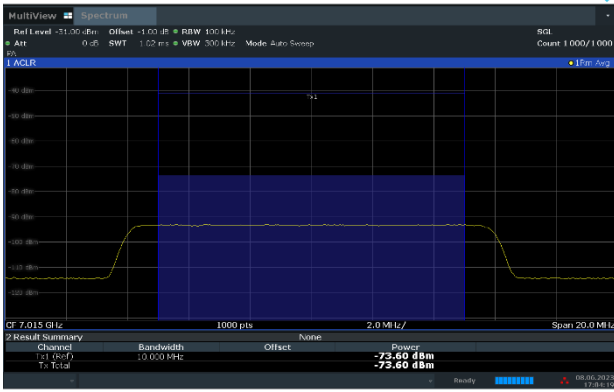




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

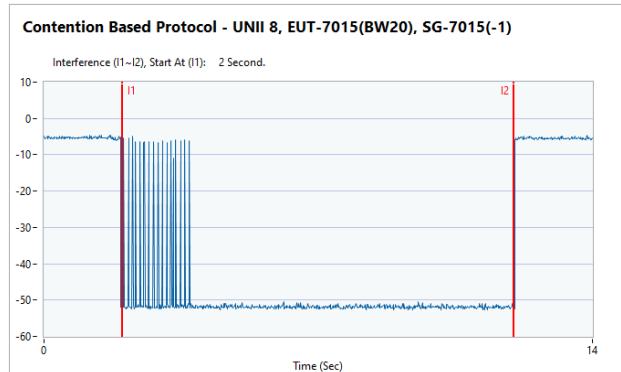
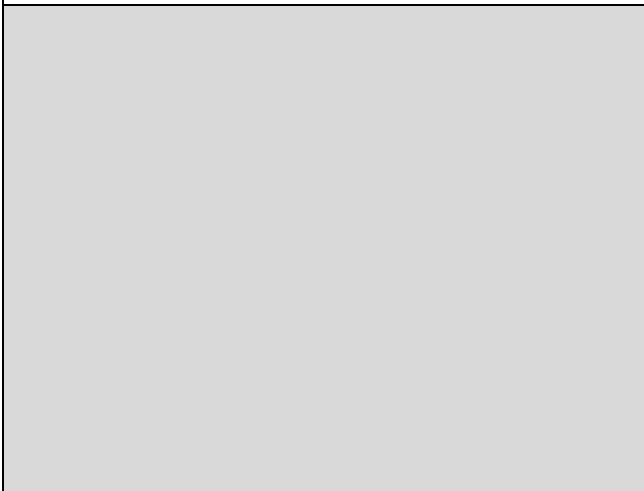
802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -73.6dBm

802.11ax (HE20) / CH213
Test result is pass due to no transmission occur.



802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -74.6dBm

802.11ax (HE20) / CH213
Transmit when the interferer is 1dB lower.

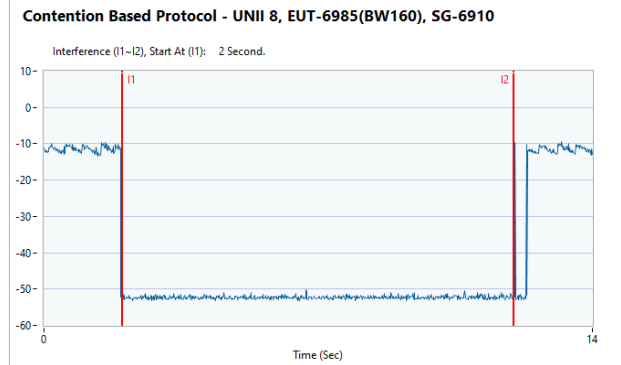
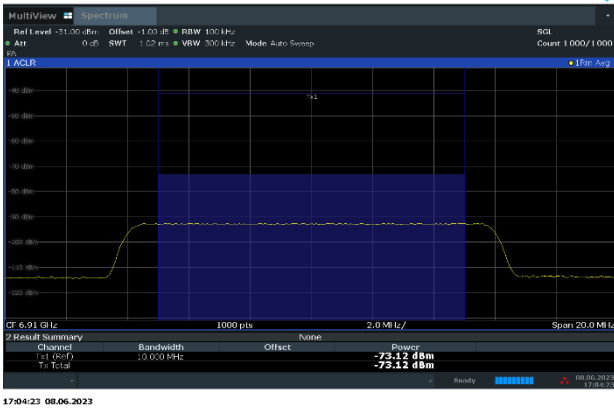




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

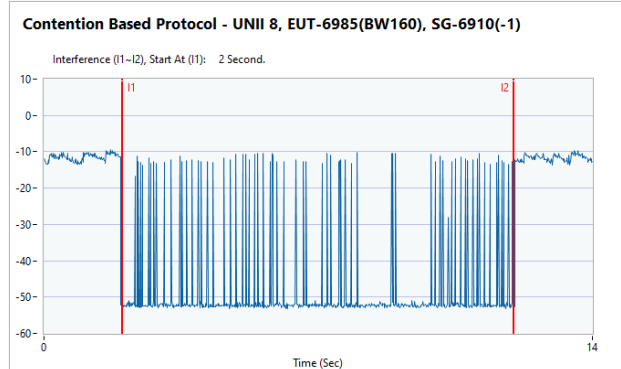
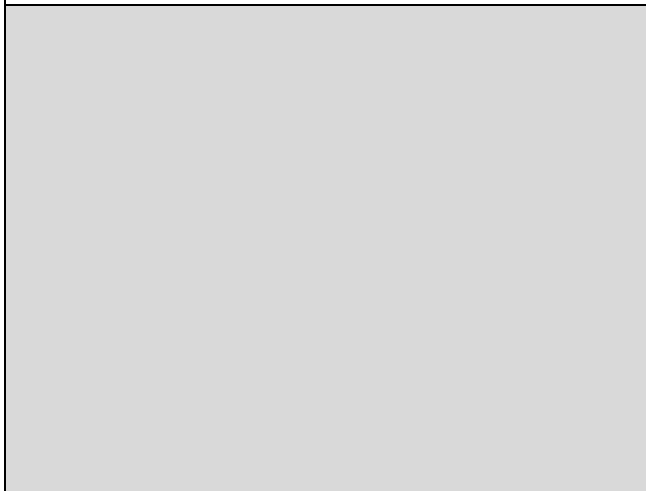
802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -73.12dBm

802.11ax (HE160) / CH207 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -74.12dBm

802.11ax (HE160) / CH207 (Lower edge)
Transmit when the interferer is 1dB lower.

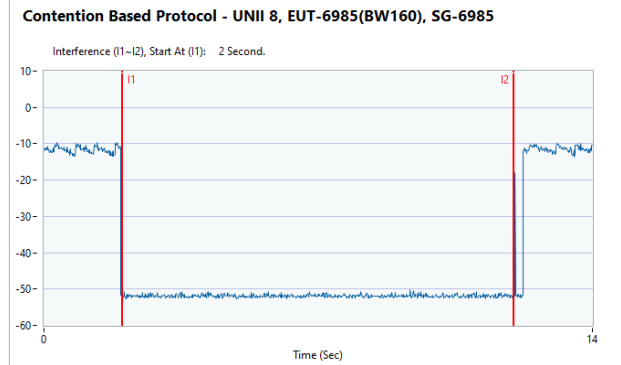
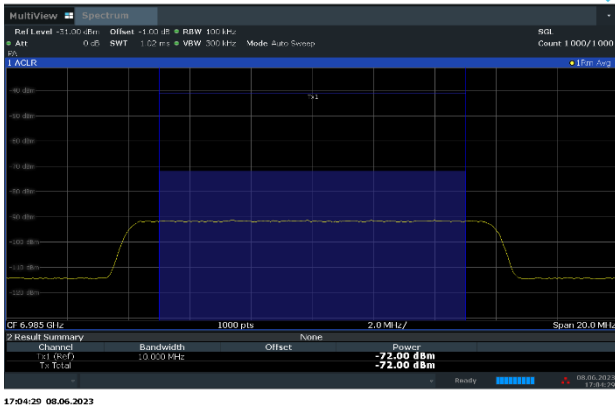




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

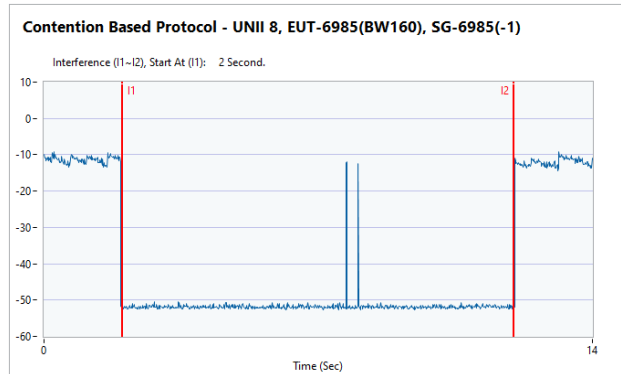
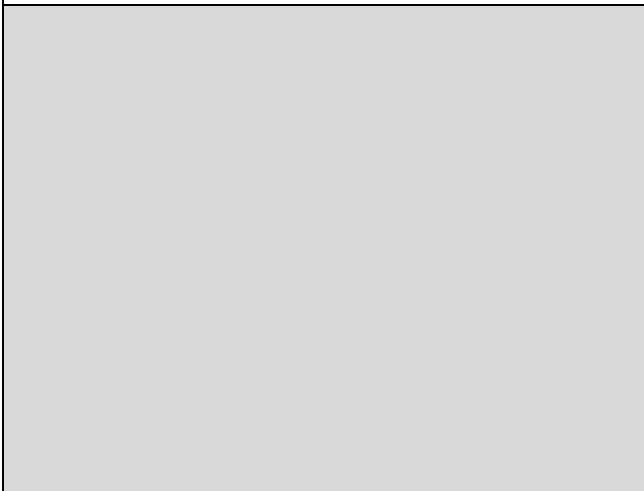
802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -72.00dBm

802.11ax (HE160) / CH207 (Middle)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -73.00dBm

802.11ax (HE160) / CH207 (Middle)
Transmit when the interferer is 1dB lower.

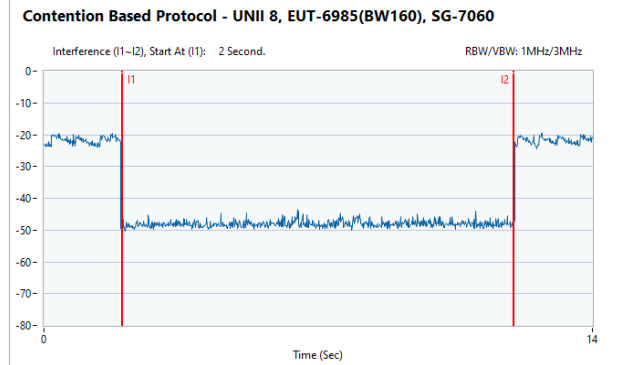
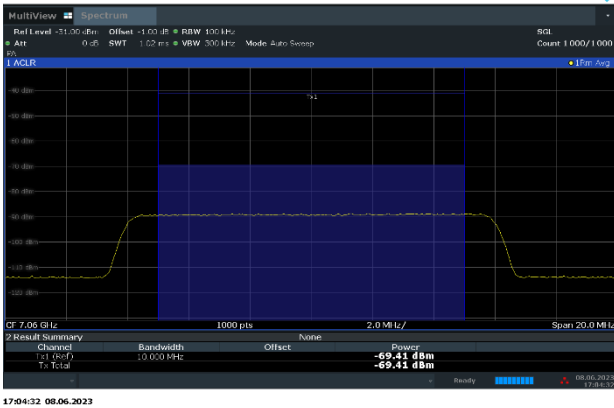




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

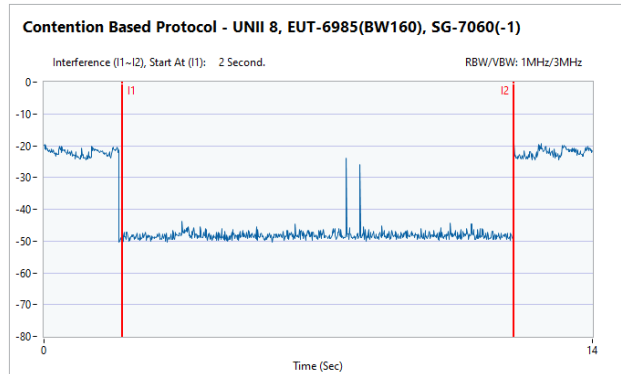
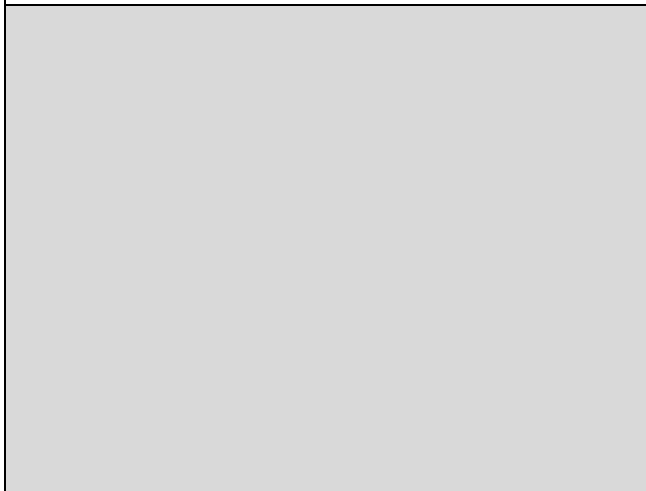
802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -69.41dBm

802.11ax (HE160) / CH207 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -70.41dBm

802.11ax (HE160) / CH207 (Upper edge)
Transmit when the interferer is 1dB lower.





4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Vector Signal Generator	Keysight	N5182B	MY57300963	9KHz~6GHz	Mar. 25, 2023	May 25, 2023~Jun. 08, 2023	Mar. 24, 2024	CBP (DFS01-CA)
Frequency Extender for EXG or MXG	Keysight	N5182BX07	MY59360230	9kHz~7.2GHz	Mar. 25, 2023	May 25, 2023~Jun. 08, 2023	Mar. 24, 2024	CBP (DFS01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSW43	104042	2Hz~43GHz	Dec. 11, 2022	May 25, 2023~Jun. 08, 2023	Dec. 10, 2023	CBP (DFS01-CA)
Hygrometer	Testo	608-H1	45142588	Temperature & Humidity	Aug. 16, 2022	May 25, 2023~Jun. 08, 2023	Aug. 15, 2023	CBP (DFS01-CA)
Manual Step Attenuator	Keysight	8496B	MY42151805	N/A	Jan. 30, 2023	May 25, 2023~Jun. 08, 2023	Jan. 29, 2024	CBP (DFS01-CA)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Mar. 09, 2023~Apr. 25, 2023	Jun. 27, 2023	CBP (DFS01-CA)
Manual Step Attenuator	Keysight	8496B	MY42158324	N/A	Jan. 30, 2023	May 25, 2023~Jun. 08, 2023	Jan. 29, 2024	CBP (DFS01-CA)
Power Divider	Woken	0120A0405800 1M	DDTB6SW3G 2	0.5Hz-8GHz	Calibration from System	May 25, 2023~Jun. 08, 2023	Calibration from System	CBP (DFS01-CA)
Power Divider	Woken	0120A0205800 1M	DDTB6SW5A 4	0.5GHz-8GHz	Calibration from System	May 25, 2023~Jun. 08, 2023	Calibration from System	CBP (DFS01-CA)