



FCC RADIO TEST REPORT

FCC ID : PY322100558
Equipment : Netgear 5G MHS Travel Router
Brand Name : Netgear
Model Name : MR6400
Applicant : Netgear Inc
350 E. Plumeria Drive, San Jose, CA 95134, United States
Manufacturer : Netgear Inc
350 E. Plumeria Drive, San Jose, CA 95134, United States
Standard : FCC Part 15 Subpart E §15.407

The product was received on Apr. 08, 2022 and testing was performed from May 09, 2022 to May 10, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, 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 variant report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	5
1.3 Testing Location	6
1.4 Applicable Standards.....	6
2 Test Result	7
2.1 Contention Based Protocol.....	7
3 List of Measuring Equipment.....	30
Appendix A. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR190614-03D	01	Initial issue of report	May 11, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.403(i) 15.407(a)(10)	26dB Emission Bandwidth	Not Required	-
-	2.1049	99% Occupied Bandwidth	Not Required	-
-	15.407(a)(8)	Maximum Conducted Output Power	Not Required	-
-	15.407(a)(8)	Fundamental Maximum EIRP	Not Required	-
-	15.407(a)(8)	Fundamental Power Spectral Density	Not Required	-
-	15.407(b)(6)	In-Band Emissions (Channel Mask)	Not Required	-
2.1	15.407(d)(6)	Contention Based Protocol	Pass	
-	15.407(b)	Unwanted Emissions	Not Required	-
-	15.207	AC Conducted Emission	Not Required	-
-	15.203 15.407(a)	Antenna Requirement	Not Required	-

Note:

1. This is a variant report by adding support band via software. All the test cases were performed on original report which can be referred to Sporton Report Number: FR190614D. Based on the original report, the test cases were verified.
2. Not required means after assessing, test items are not necessary to carry out.

Declaration of Conformity: The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
Comments and Explanations: The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Avis Chuang
Report Producer: Cindy Liu



1 General Description

1.1 Product Feature of Equipment Under Test

LTE/5G NR, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/n/ac/ax, and GPS

Product Feature	
Antenna Type	WWAN: <Ant. 1>: Monopole Antenna <Ant. 2>: Monopole Antenna WLAN: <Ant. 3>: Monopole Antenna <Ant. 4>: Monopole Antenna GPS: PIFA Antenna

Antenna information		
Antenna 3	Peak Gain (dBi)	Band 5: 3.40 Band 6: 3.40 Band 7: 3.40 Band 8: 3.40
Antenna 4	Peak Gain (dBi)	Band 5: 1.54 Band 6: 1.54 Band 7: 1.54 Band 8: 1.54

Remark: The above EUT's information is declared by manufacturer. Please refer to Comments and Explanations 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 Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. DF02-HY

FCC designation No.: TW1190

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 v01
- ♦ ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Result

2.1 Contention Based Protocol

2.1.1 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

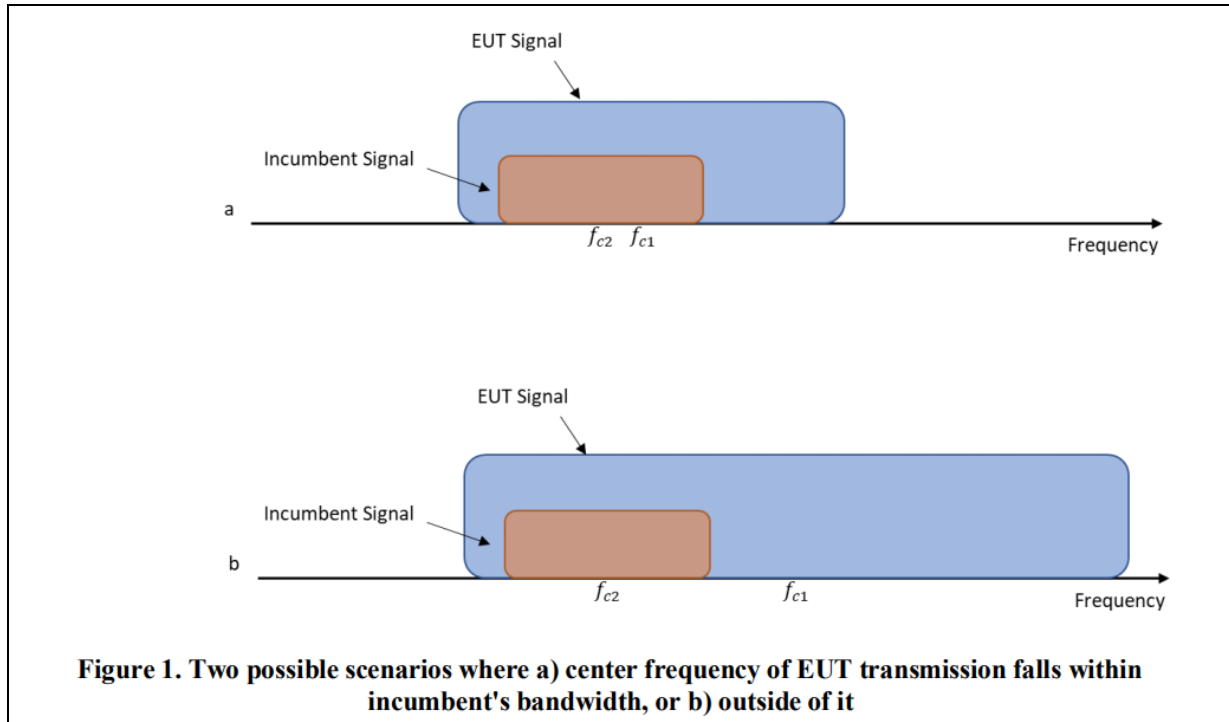
where:

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



2.1.2 Measuring Instruments

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

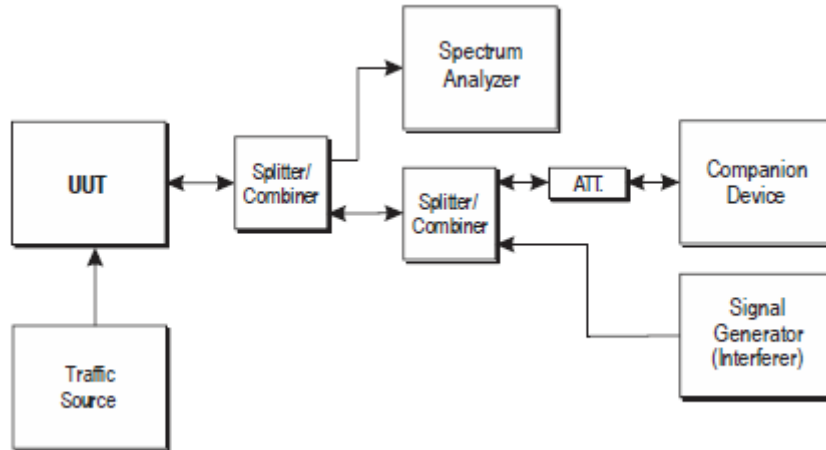
2.1.3 Test Procedures

Refer to KDB 987594 D02 v01v01.

1. To ensure EUT reliably detects an incumbent signal in both scenarios shown in Figure 1, the detection threshold test may be repeated more than once with the incumbent signal (having center frequency f_{c2}) tuned to different center frequencies within the UT transmission bandwidth. The criteria specified in Table 1 determines how many times the detection threshold test must be performed;
2. 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.
3. Monitor the signal analyzer 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.
4. (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.

5. 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 2, choose a different center frequency for the AWGN signal and repeat the process.

2.1.4 Test Setup



2.1.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
Notebook	Acer	N15C1	LAN



2.1.6 Test Summary of Contention Based Protocol Test

Test Engineer :	Kai Liao	Temperature :	24~26°C
		Relative Humidity :	45~50%

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 5	6135	20	6135	-74.1	100	-62	-75.64	13.64	
				Result: Stop Transmission					
				-76.10	< 90	-62	-77.64	15.64	
				Result: Minimal Operation					
				-77.10	0	-62	-78.64	16.64	
				Result: Normal Operation					
	6185	160	6110	-70.87	100	-62	-72.41	10.41	
				Result: Stop Transmission					
				-72.87	< 90	-62	-74.41	12.41	
				Result: Minimal Operation					
				-73.87	0	-62	-75.41	13.41	
				Result: Normal Operation					
			6260	6185	-65.7	100	-62	-67.24	5.24
					Result: Stop Transmission				
					-67.70	< 90	-62	-69.24	7.24
					Result: Minimal Operation				
					-68.70	0	-62	-70.24	8.24
					Result: Normal Operation				
6260	6185	-71.16	100	-62	-72.70	10.7			
		Result: Stop Transmission							
		-73.16	< 90	-62	-74.70	12.70			
		Result: Minimal Operation							
6260				0	-62	-75.70	13.70		
Result: Normal Operation									

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain 1.54 dBi.

Note 2: The antenna gain has included the cable loss.

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 6	6455	20	6455	-73.79	100	-62	-75.33	13.33		
				Result: Stop Transmission						
				-75.79	< 90	-62	-77.33	15.33		
				Result: Minimal Operation						
				-76.79	0	-62	-78.33	16.33		
				Result: Normal Operation						
	6505	160	6430	-70.64	100	-62	-72.18	10.18		
				Result: Stop Transmission						
				-72.64	< 90	-62	-74.18	12.18		
				Result: Minimal Operation						
				-73.64	0	-62	-75.18	13.18		
				Result: Normal Operation						
			6505	160	6505	-64.34	100	-62	-65.88	3.88
						Result: Stop Transmission				
						-66.34	< 90	-62	-67.88	5.88
						Result: Minimal Operation				
						-67.34	0	-62	-68.88	6.88
						Result: Normal Operation				
	6580	160	6580	-71.11	100	-62	-72.65	10.65		
				Result: Stop Transmission						
				-73.11	< 90	-62	-74.65	12.65		
				Result: Minimal Operation						
				-74.11	0	-62	-75.65	13.65		
				Result: Normal Operation						

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain 1.54 dBi.

Note 2: The antenna gain has included the cable loss.

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	-73.54	100	-62	-75.08	13.08	
				Result: Stop Transmission					
				-75.54	< 90	-62	-77.08	15.08	
				Result: Minimal Operation					
				-76.54	0	-62	-78.08	16.08	
				Result: Normal Operation					
	6665	160	6590	-71.59	100	-62	-73.13	11.13	
				Result: Stop Transmission					
				-73.59	< 90	-62	-75.13	13.13	
				Result: Minimal Operation					
				-74.59	0	-62	-76.13	14.13	
				Result: Normal Operation					
			6740	6665	-64.68	100	-62	-66.22	4.22
					Result: Stop Transmission				
					-66.68	< 90	-62	-68.22	6.22
					Result: Minimal Operation				
					-67.68	0	-62	-69.22	7.22
					Result: Normal Operation				
	6740	6665	-71.27	100	-62	-72.81	10.81		
			Result: Stop Transmission						
			-73.27	< 90	-62	-74.81	12.81		
			Result: Minimal Operation						
			-74.27	0	-62	-75.81	13.81		
			Result: Normal Operation						

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain 1.54 dBi.

Note 2: The antenna gain has included the cable loss.

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	-73.45	100	-62	-74.99	12.99	
				Result: Stop Transmission					
				-75.45	< 90	-62	-76.99	14.99	
				Result: Minimal Operation					
				-76.45	0	-62	-77.99	15.99	
				Result: Normal Operation					
	6985	160	6910	-69.61	100	-62	-71.15	9.15	
				Result: Stop Transmission					
				-71.61	< 90	-62	-73.15	11.15	
				Result: Minimal Operation					
				-72.61	0	-62	-74.15	12.15	
				Result: Normal Operation					
			7060	7060	-63.14	100	-62	-64.68	2.68
					Result: Stop Transmission				
					-65.14	< 90	-62	-66.68	4.68
					Result: Minimal Operation				
					-66.14	0	-62	-67.68	5.68
					Result: Normal Operation				
7060	7060	-68.81	100	-62	-70.35	8.35			
		Result: Stop Transmission							
		-70.81	< 90	-62	-72.35	10.35			
		Result: Minimal Operation							
-71.81	0	-62	-73.35	11.35					
Result: Normal Operation									

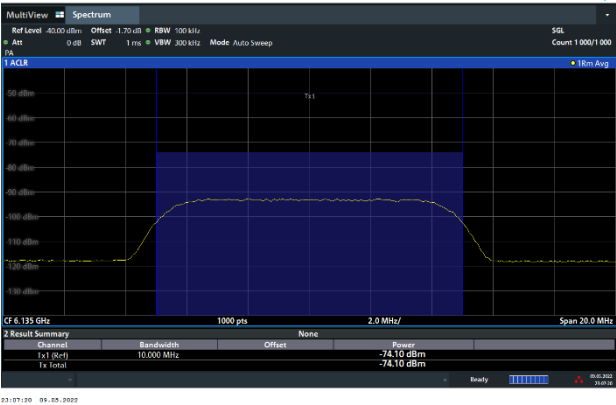
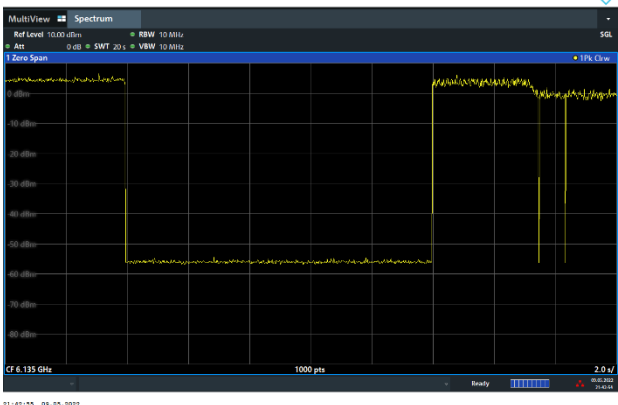
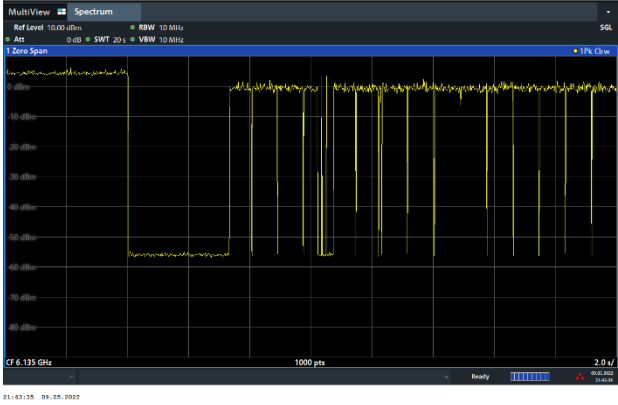
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain 1.54 dBi.

Note 2: The antenna gain has included the cable loss.

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



2.1.7 Test Plots of Contention Based Protocol Test

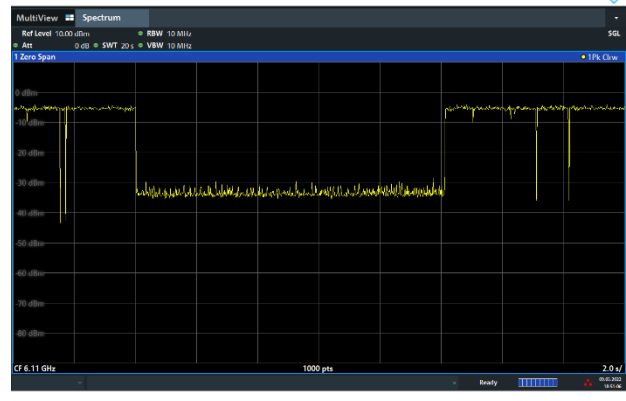
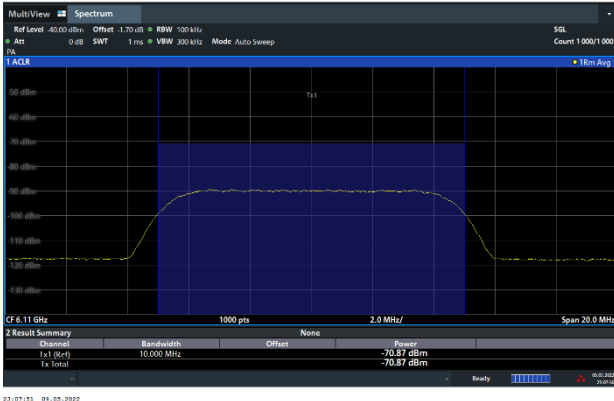
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -74.1dBm</p>	<p>802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.</p>
	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -75.1dBm</p>	<p>802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.</p>
	



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

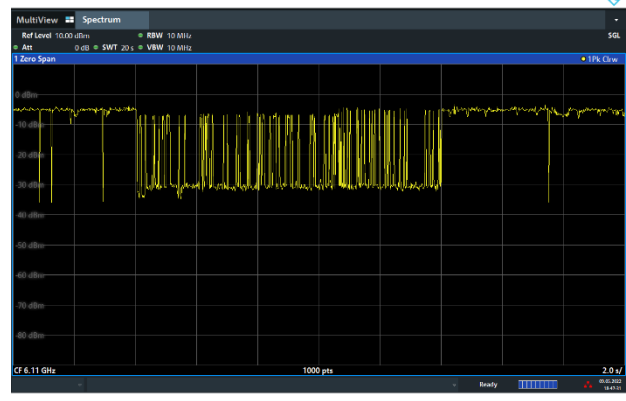
802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -70.87dBm

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



802.11ax (HE160) / 6110MHz (Lower edge)
Threshold Level (TL) = -71.87dBm

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

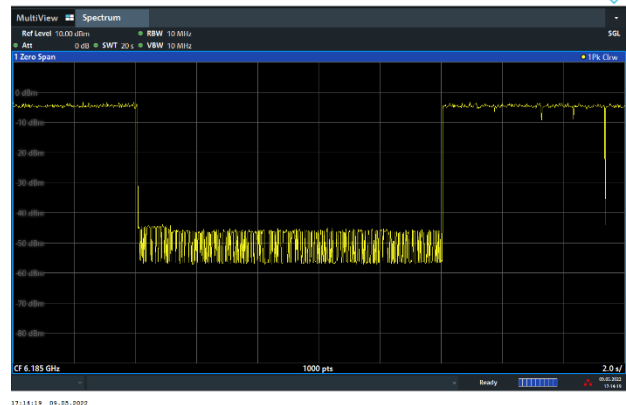
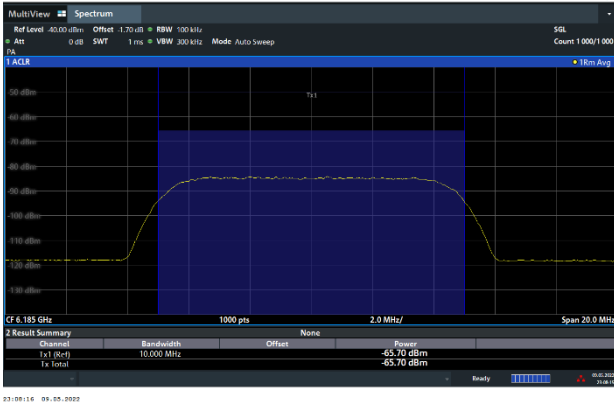




Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

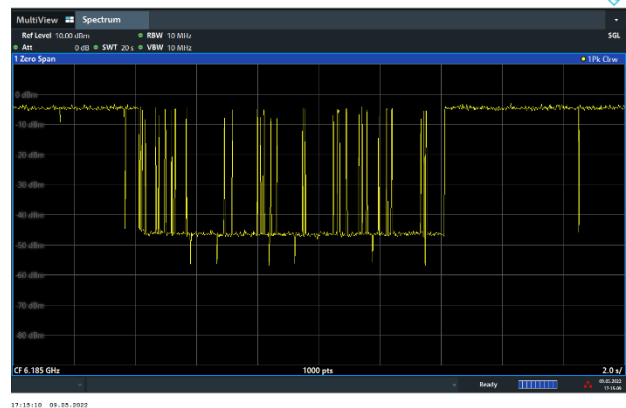
802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -65.7dBm

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



802.11ax (HE160) / 6185MHz (Middle)
Threshold Level (TL) = -66.70dBm

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

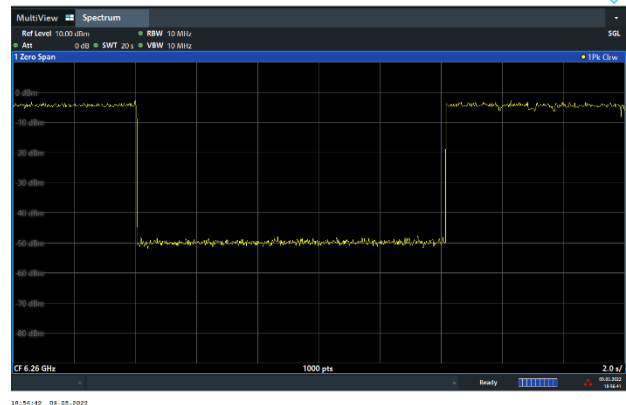
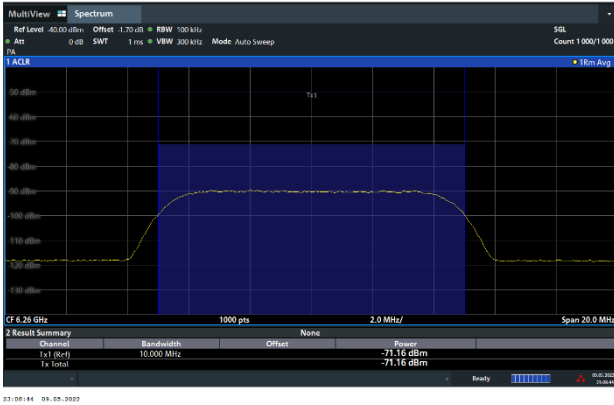




Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

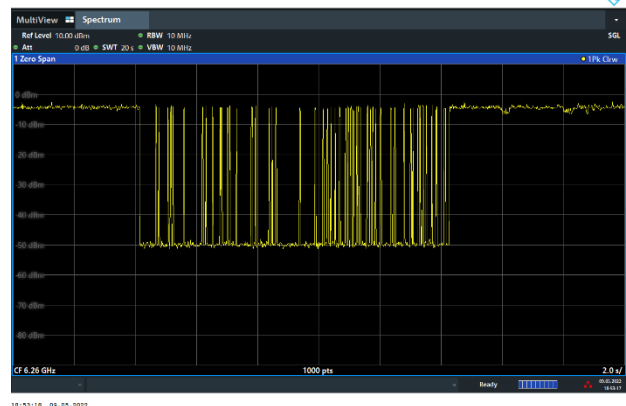
802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -71.16dBm

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



802.11ax (HE160) / 6260MHz (Upper edge)
Threshold Level (TL) = -72.16dBm

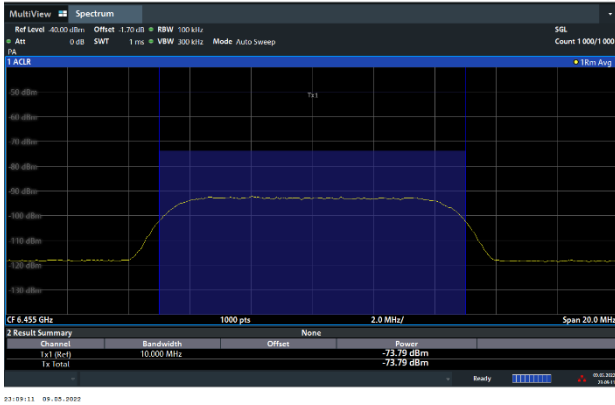
802.11ax (HE160) / CH47 (Upper edge)
Transmit when the interferer is 1dB lower.



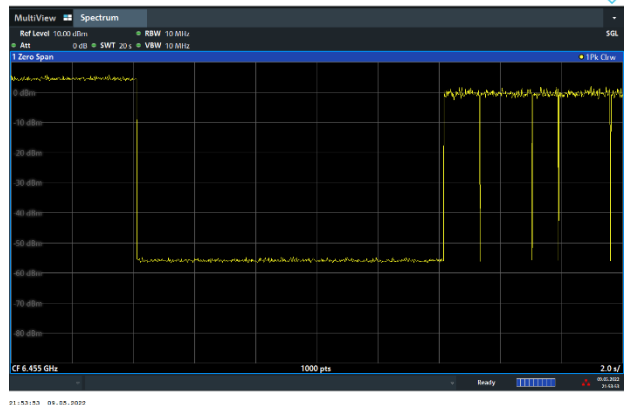


Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -73.79dBm

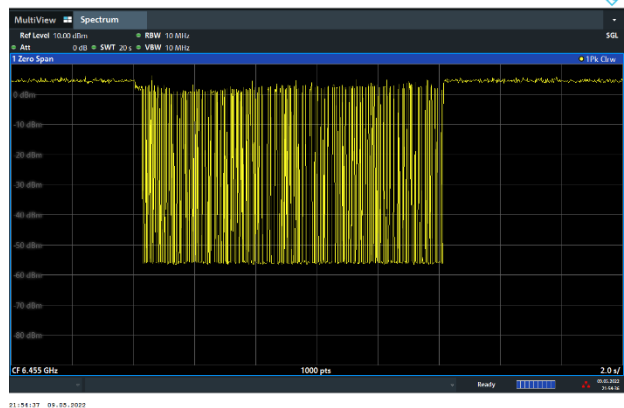


802.11ax (HE20) / CH101
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -74.79dBm

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

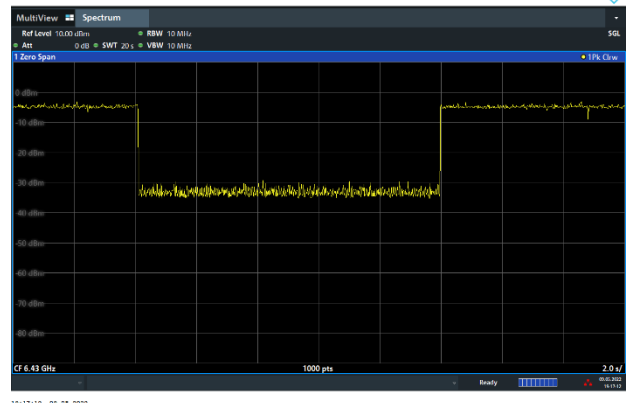
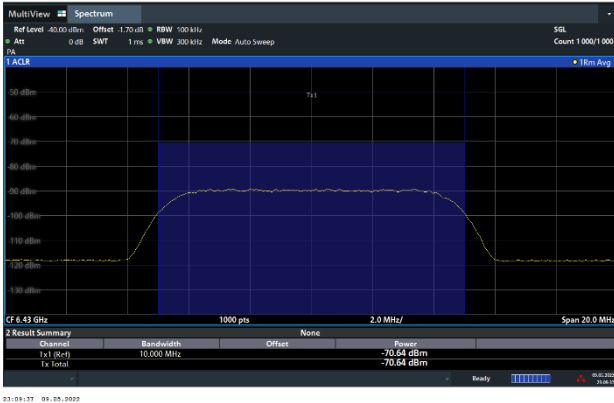




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

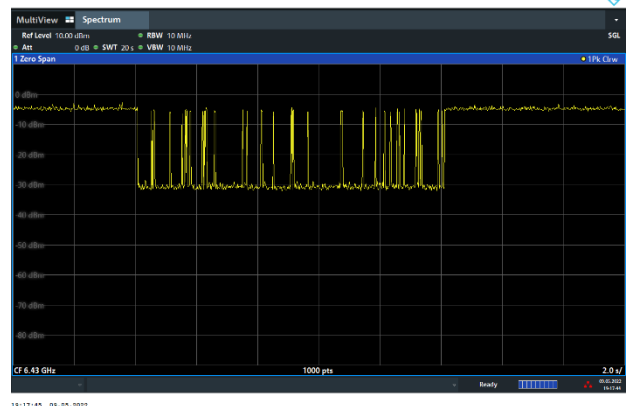
802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -70.64dBm

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



802.11ax (HE160) / 6430MHz (Lower edge)
Threshold Level (TL) = -71.64dBm

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

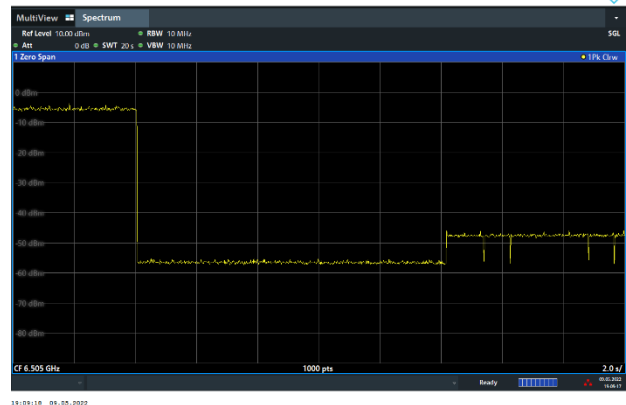
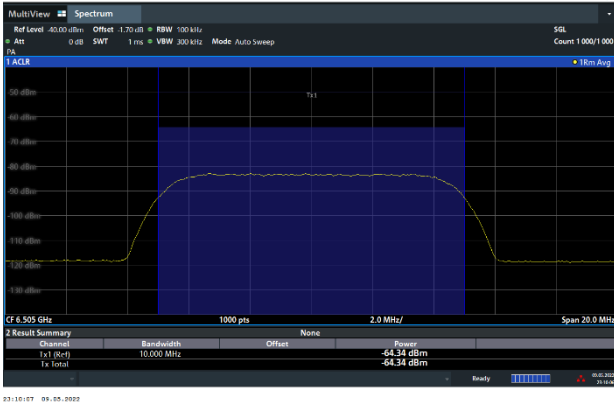




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

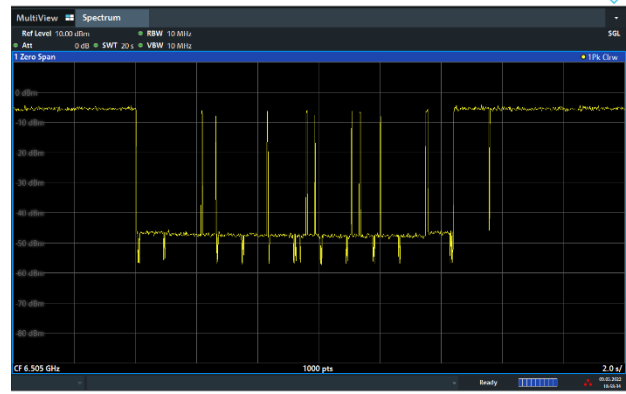
802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -64.34dBm

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



802.11ax (HE160) / 6505MHz (Middle)
Threshold Level (TL) = -65.34dBm

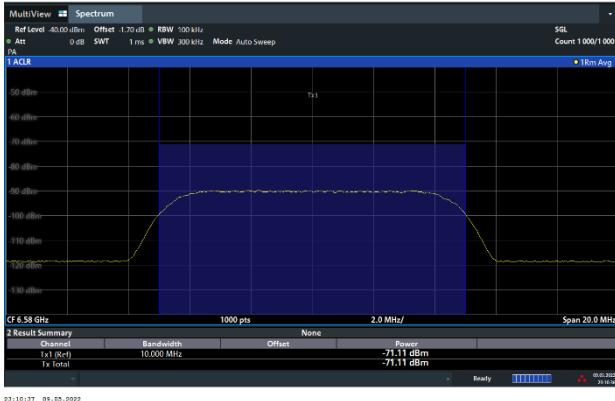
802.11ax (HE160) / CH111 (Middle)
Transmit when the interferer is 1dB lower.



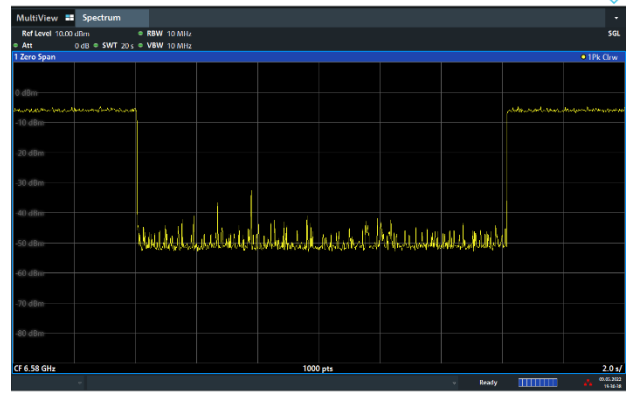


Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -71.11dBm

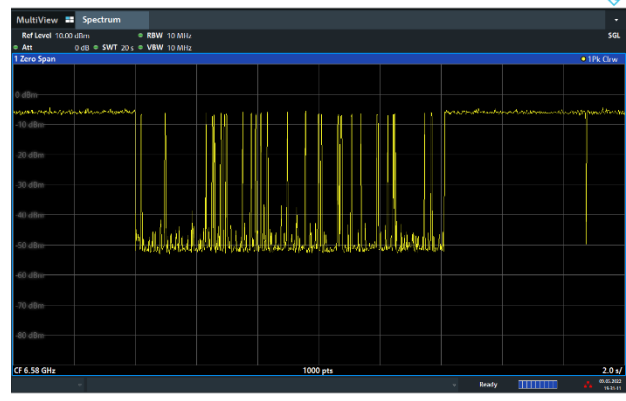


802.11ax (HE160) / CH111 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE160) / 6580MHz (Upper edge)
Threshold Level (TL) = -72.11dBm

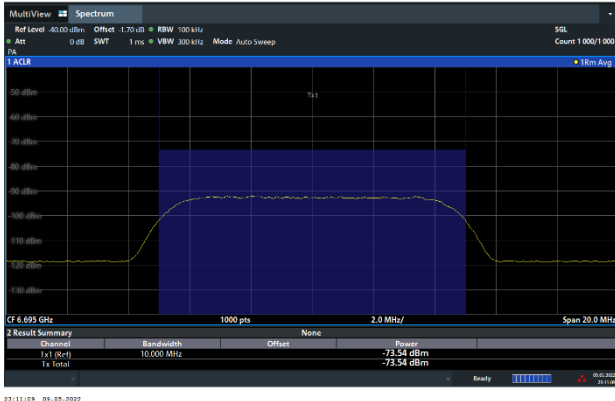
802.11ax (HE160) / CH111 (Upper edge)
Transmit when the interferer is 1dB lower.



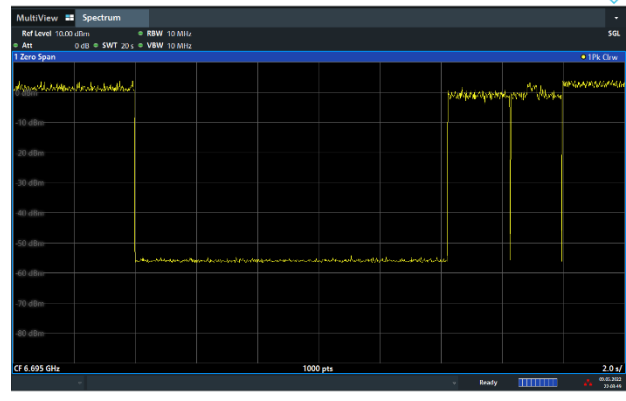


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -73.54dBm

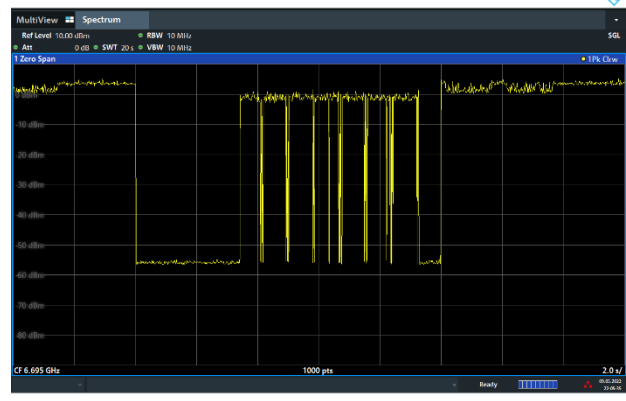


802.11ax (HE20) / CH149
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -74.54dBm

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

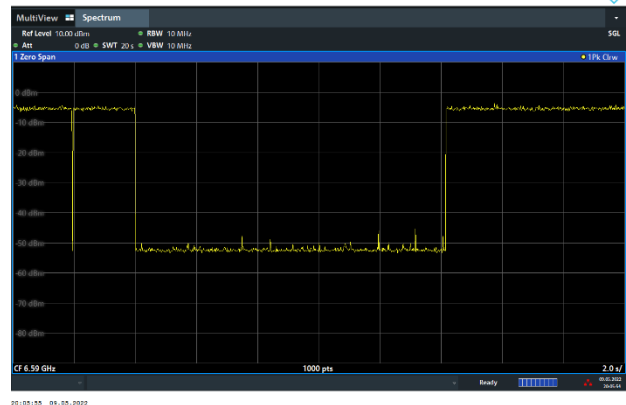
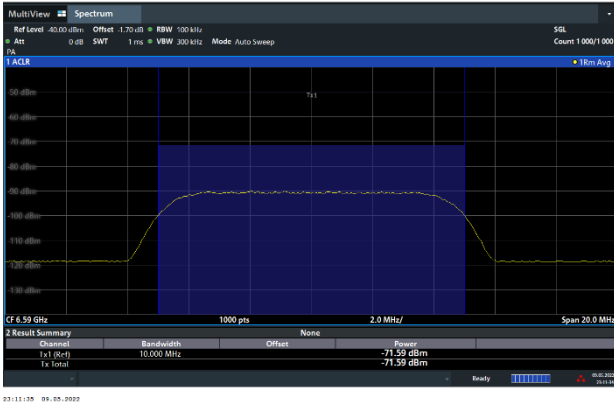




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

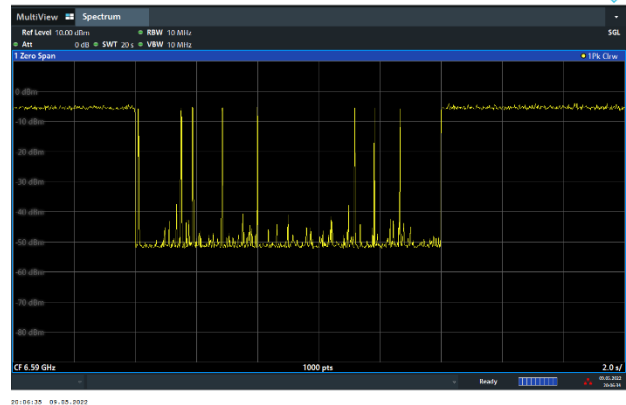
802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -71.59dBm

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



802.11ax (HE160) / 6590MHz (Lower edge)
Threshold Level (TL) = -72.59dBm

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

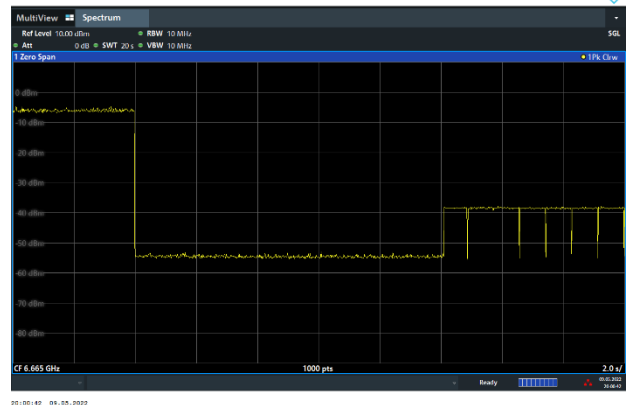
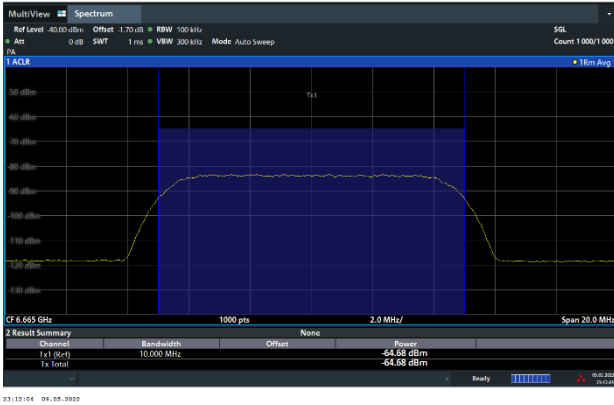




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

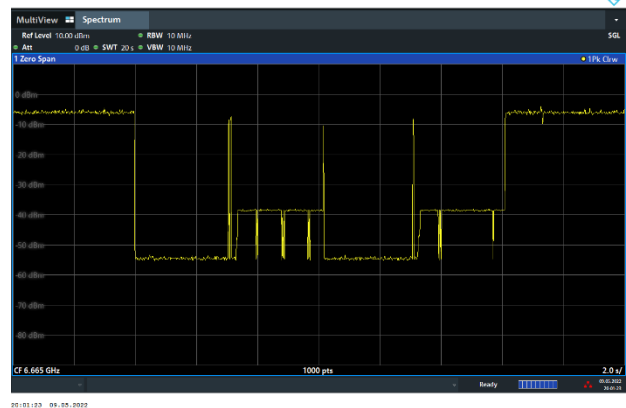
802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -64.68dBm

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



802.11ax (HE160) / 6665MHz (Middle)
Threshold Level (TL) = -65.68dBm

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

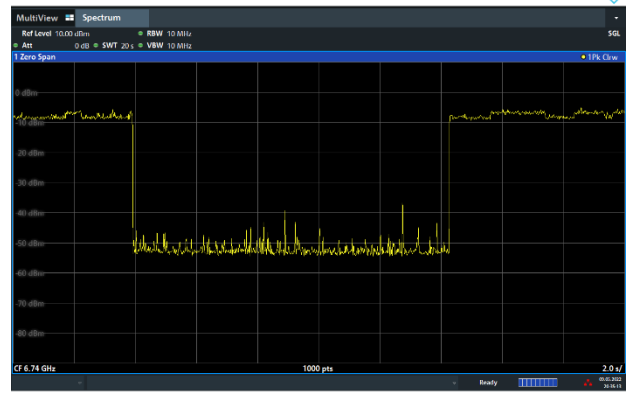
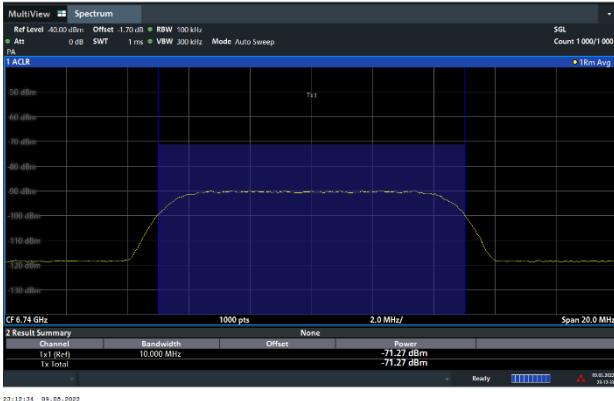




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

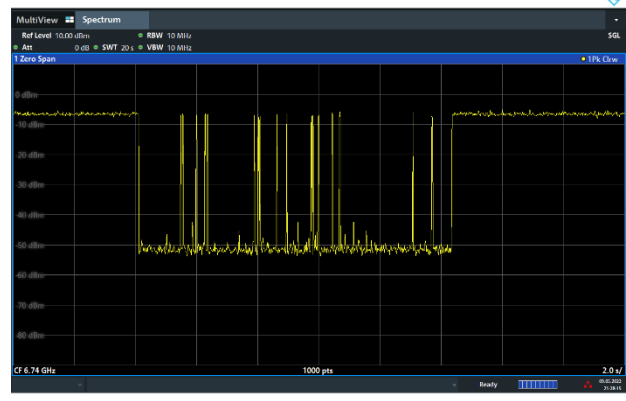
802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -71.27dBm

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



802.11ax (HE160) / 6740MHz (Upper edge)
Threshold Level (TL) = -72.27dBm

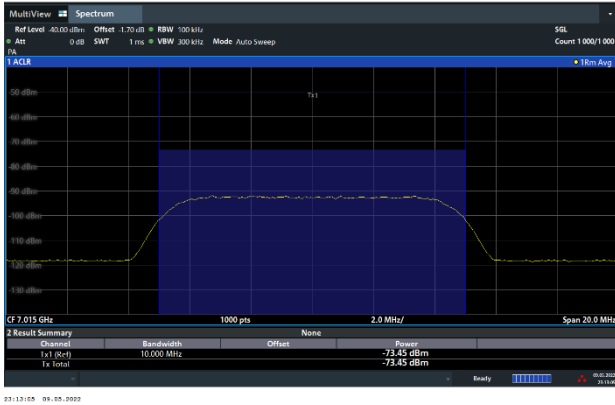
802.11ax (HE160) / CH143 (Upper edge)
Transmit when the interferer is 1dB lower.



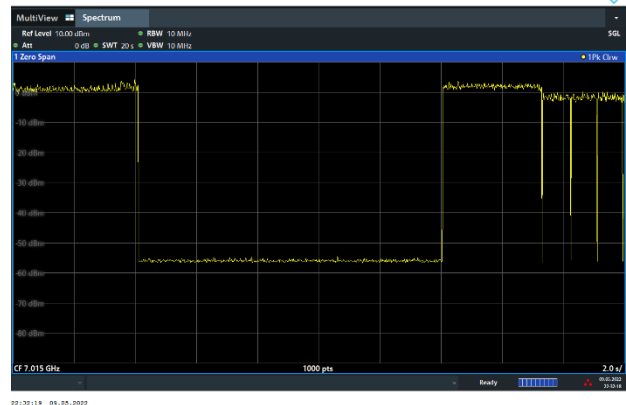


Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -73.45dBm

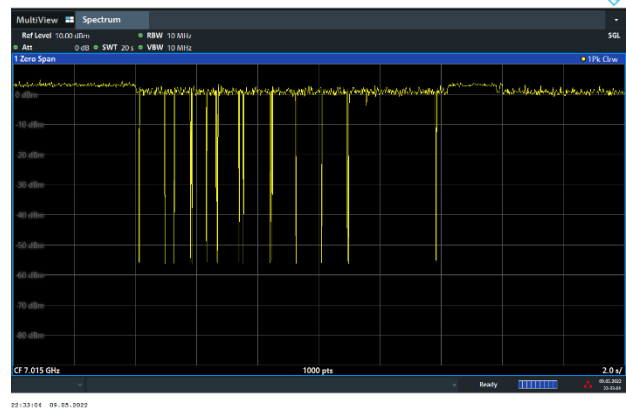


802.11ax (HE20) / CH213
Test result is pass due to no transmission occur.



802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -74.45dBm

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

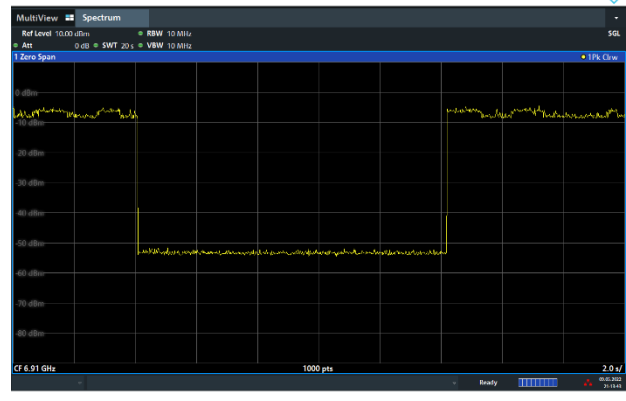
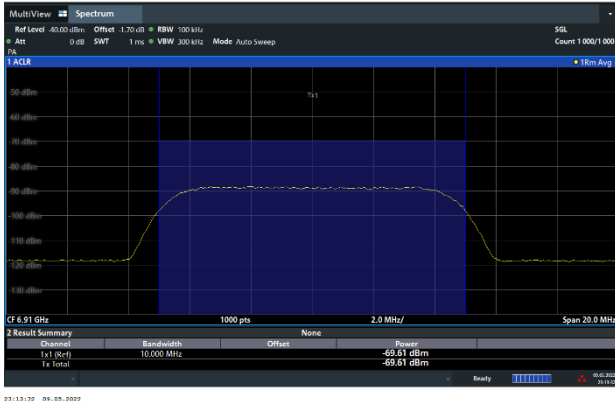




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

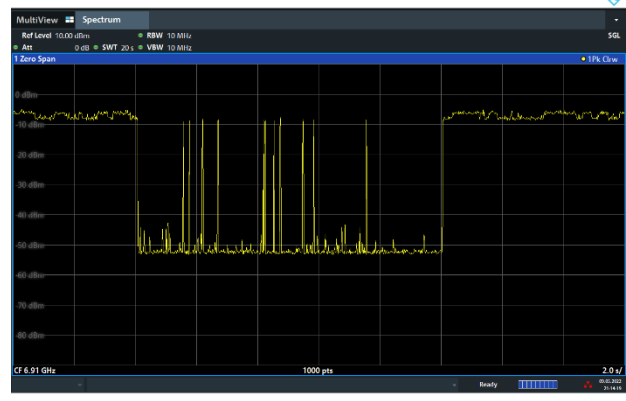
802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -69.61dBm

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



802.11ax (HE160) / 6910MHz (Lower edge)
Threshold Level (TL) = -70.61dBm

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

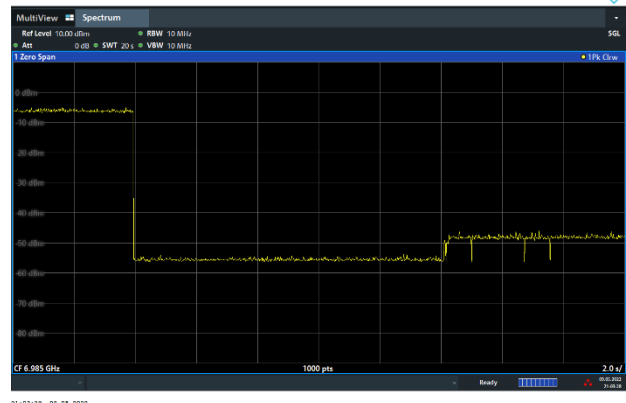
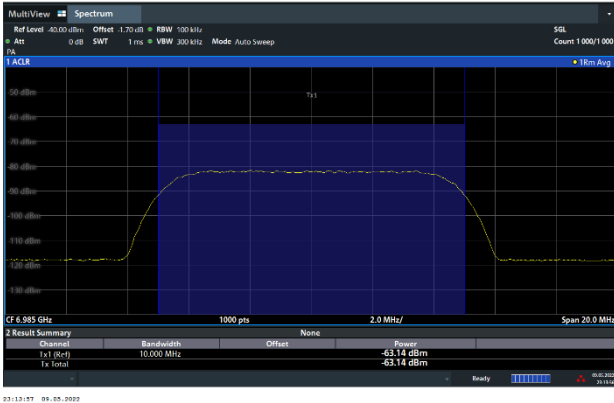




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

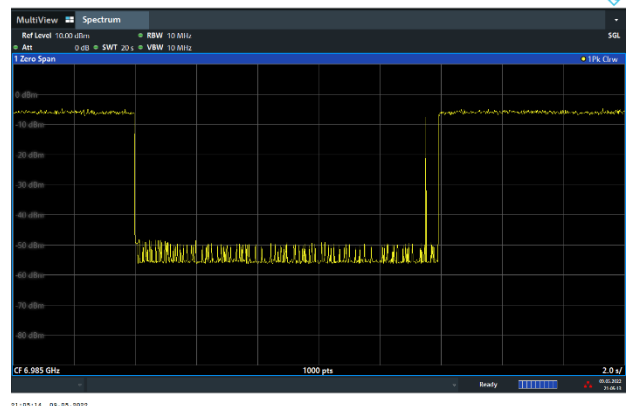
802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -63.14dBm

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



802.11ax (HE160) / 6985MHz (Middle)
Threshold Level (TL) = -64.14dBm

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

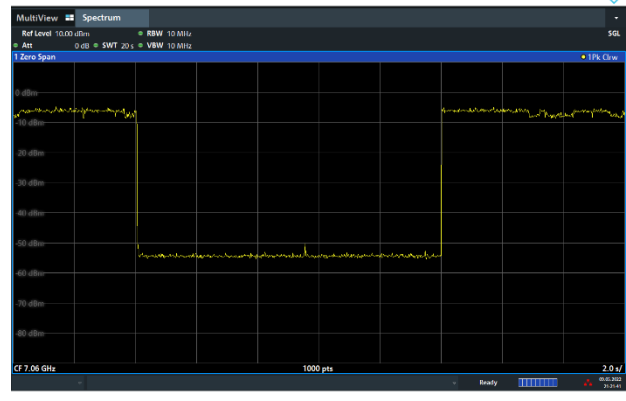
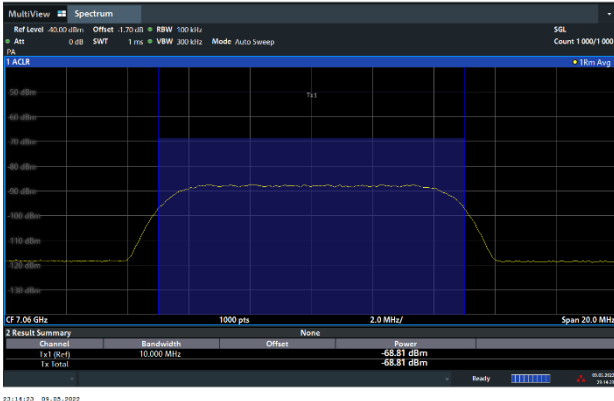




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

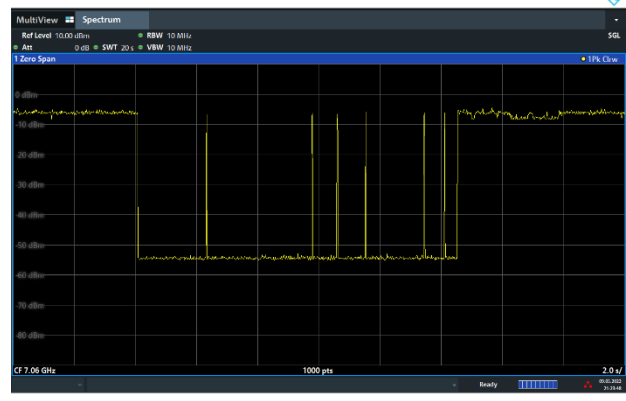
802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -68.81dBm

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



802.11ax (HE160) / 7060MHz (Upper edge)
Threshold Level (TL) = -69.81dBm

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





3 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Jan. 13, 2022	May 09, 2022~ May 10, 2022	Jan. 12, 2023	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101104	10Hz~44GHz	Feb. 16, 2022	May 09, 2022~ May 10, 2022	Feb. 15, 2023	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A1	0.5GHz-18GHz	Calibration from System	May 09, 2022~ May 10, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A2	0.5GHz- 18GHz	Calibration from System	May 09, 2022~ May 10, 2022	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A1	0.5-18GHz	Calibration from System	May 09, 2022~ May 10, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	STI08-0010 (#2)	2GHz-8GHz	Calibration from System	May 09, 2022~ May 10, 2022	Calibration from System	CBP (DF02-HY)