



FCC RADIO TEST REPORT

FCC ID : IHDT56AE7
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2205-1, XT2205-2
Applicant : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Manufacturer : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Mar. 07, 2022 and testing was performed from May 27, 2022 to May 27, 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 partial 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



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History of this test report

Report No.	Version	Description	Issue Date
FR240812	01	Initial issue of report	Jun. 07, 2022
FR240812	02	1. Revise model name and antenna information 2. Add remark in Applicable Standards	Jun. 09, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
2.1	15.407(d)(6)	Contention Based Protocol	Pass	

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: Keven Cheng

Report Producer: Cindy Liu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2205-1, XT2205-2
FCC ID	IHDT56AE7
IMEI Code	357910940007924
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR /NFC/GNSS/WPC/WPT/FM Receiver WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE
HW Version	DVT2
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

Accessory List	
AC Adapter 1	Brand Name : Motorola
	Model Name : MC-301
	Manufacturer : Salom
AC Adapter 2	Brand Name : Motorola
	Model Name : MC-301
	Manufacturer : Acbel
Battery 1	Brand Name : motorola
	Model Name : NF50
USB Cable 1	Brand Name : Saibao
	Model Name : SC18D13215
USB Cable 2	Brand Name : Cabletech
	Model Name : SC18D13216
USB Cable 3	Brand Name : Luxshare
	Model Name : SC18D13217

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5925 MHz ~ 6425 MHz 6425 MHz ~ 6525 MHz 6525 MHz ~ 6875 MHz 6875 MHz ~ 7125 MHz
Antenna Type	<5925 MHz ~ 6425 MHz> <Ant. 2>: Loop Antenna <Ant. 9>: ILA Antenna <6425 MHz ~ 6525 MHz> <Ant. 2>: Loop Antenna <Ant. 9>: ILA Antenna <6525 MHz ~ 6875 MHz> <Ant. 2>: Loop Antenna <Ant. 9>: ILA Antenna <6875 MHz ~ 7125 MHz> <Ant. 2>: Loop Antenna <Ant. 9>: ILA Antenna
Antenna Gain	<5925 MHz ~ 6425 MHz> <Ant. 2>: -8.5 dBi <Ant. 9>: -8.5 dBi <6425 MHz ~ 6525 MHz> <Ant. 2>: -8.5 dBi <Ant. 9>: -8.5 dBi <6525 MHz ~ 6875 MHz> <Ant. 2>: -8.5 dBi <Ant. 9>: -8.5 dBi <6875 MHz ~ 7125 MHz> <Ant. 2>: -8.5 dBi <Ant. 9>: -8.5 dBi
Type of Modulation	802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax: OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.3 Modification of EUT

No modifications made to the EUT during the testing.



1.4 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 TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. DF02-HY

FCC designation No.: TW1190

1.5 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
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ 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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

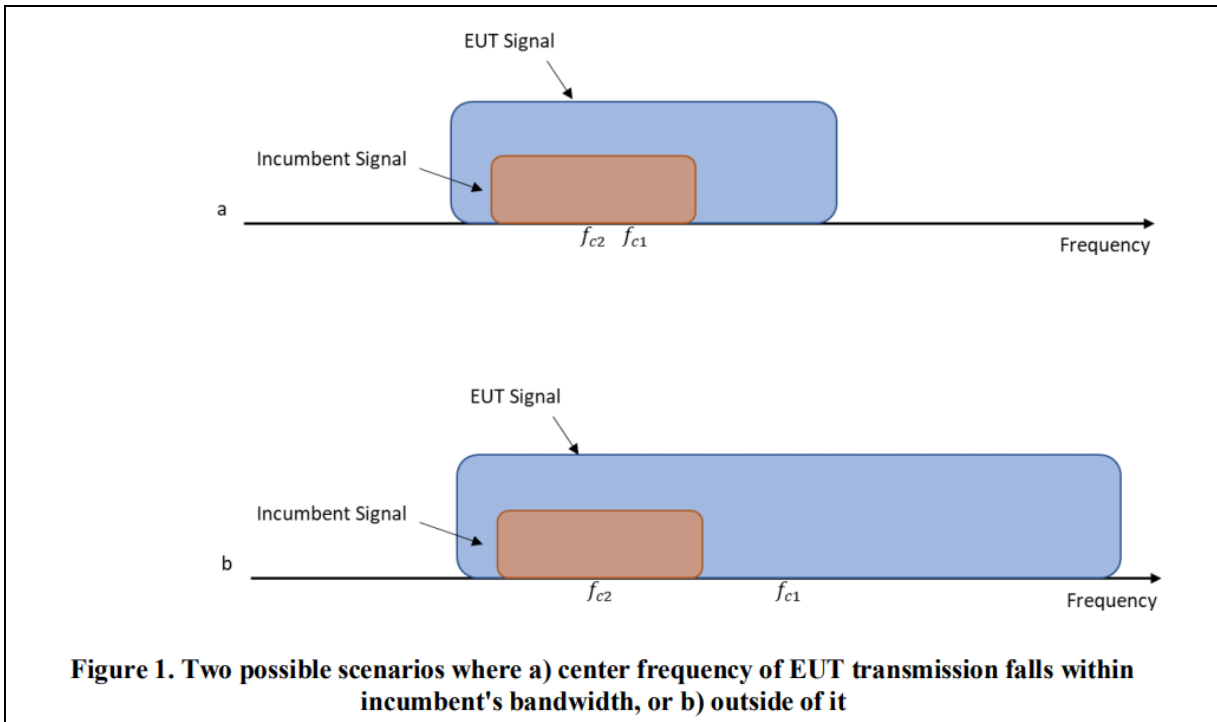
where:

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

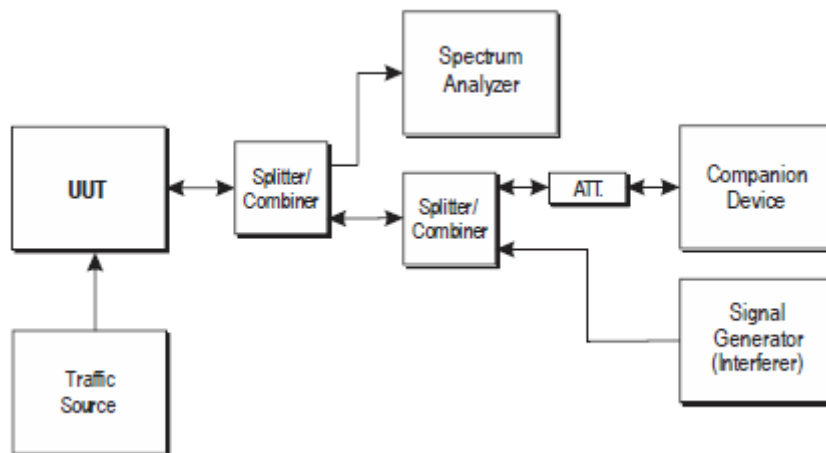
Please refer to the measuring equipment list in this test report.

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
WLAN AP	ASUS	GT-AXE11000	Dual Band AP
Notebook	Acer	N15C1	LAN



2.1.6 Test Summary of Contention Based Protocol Test

Test Engineer :	Rebecca Li	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	-76.6	100	-62	-68.1	6.1		
				Result: Stop Transmission						
				-82.6	< 90	-62	-74.1	12.1		
				Result: Minimal Operation						
				-83.6	0	-62	-75.1	13.1		
				Result: Normal Operation						
	6145	80	6110	-76.42	100	-62	-67.92	5.92		
				Result: Stop Transmission						
				-80.42	< 90	-62	-71.92	9.92		
				Result: Minimal Operation						
				-81.42	0	-62	-72.92	10.92		
				Result: Normal Operation						
			6145	80	6145	-70.71	100	-62	-62.21	0.21
						Result: Stop Transmission				
						-74.71	< 90	-62	-66.21	4.21
						Result: Minimal Operation				
						-75.71	0	-62	-67.21	5.21
						Result: Normal Operation				
6180	80	6180	-75.71	100	-62	-67.21	5.21			
			Result: Stop Transmission							
			-80.71	< 90	-62	-72.21	10.21			
			Result: Minimal Operation							
-81.71	0	-62	-73.21	11.21						
Result: Normal Operation										

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

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	-78.39	100	-62	-69.89	7.89		
				Result: Stop Transmission						
				-85.39	< 90	-62	-76.89	14.89		
				Result: Minimal Operation						
				-86.39	0	-62	-77.89	15.89		
				Result: Normal Operation						
	6465	80	6430	-74.3	100	-62	-65.8	3.8		
				Result: Stop Transmission						
				-81.3	< 90	-62	-72.8	10.8		
				Result: Minimal Operation						
				-82.3	0	-62	-73.8	11.8		
				Result: Normal Operation						
			6465	80	6465	-70.89	100	-62	-62.39	0.39
						Result: Stop Transmission				
						-76.89	< 90	-62	-68.39	6.39
						Result: Minimal Operation				
						-77.89	0	-62	-69.39	7.39
						Result: Normal Operation				
	6500	80	6500	-73.68	100	-62	-65.18	3.18		
				Result: Stop Transmission						
				-82.68	< 90	-62	-74.18	12.18		
				Result: Minimal Operation						
				-83.68	0	-62	-75.18	13.18		
				Result: Normal Operation						

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

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	-78.36	100	-62	-69.86	7.86		
				Result: Stop Transmission						
				-84.36	< 90	-62	-75.86	13.86		
				Result: Minimal Operation						
				-85.36	0	-62	-76.86	14.86		
				Result: Normal Operation						
	6705	80	6670	-78.15	100	-62	-69.65	7.65		
				Result: Stop Transmission						
				-82.15	< 90	-62	-73.65	11.65		
				Result: Minimal Operation						
				-83.15	0	-62	-74.65	12.65		
				Result: Normal Operation						
			6705	80	6705	-71.52	100	-62	-63.02	1.02
						Result: Stop Transmission				
						-74.52	< 90	-62	-66.02	4.02
						Result: Minimal Operation				
						-75.52	0	-62	-67.02	5.02
						Result: Normal Operation				
6740	80	6740	-78.29	100	-62	-69.79	7.79			
			Result: Stop Transmission							
			-82.29	< 90	-62	-73.79	11.79			
			Result: Minimal Operation							
			-83.29	0	-62	-74.79	12.79			
			Result: Normal Operation							

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

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	-78.38	100	-62	-69.88	7.88		
				Result: Stop Transmission						
				-83.38	< 90	-62	-74.88	12.88		
				Result: Minimal Operation						
				-84.38	0	-62	-75.88	13.88		
				Result: Normal Operation						
	7025	80	6990	-77.61	100	-62	-69.11	7.11		
				Result: Stop Transmission						
				-81.61	< 90	-62	-73.11	11.11		
				Result: Minimal Operation						
				-82.61	0	-62	-74.11	12.11		
				Result: Normal Operation						
			7025	80	7025	-70.92	100	-62	-62.42	0.42
						Result: Stop Transmission				
						-74.92	< 90	-62	-66.42	4.42
						Result: Minimal Operation				
						-75.92	0	-62	-67.42	5.42
						Result: Normal Operation				
7060	80	7060	-77.58	100	-62	-69.08	7.08			
			Result: Stop Transmission							
			-81.58	< 90	-62	-73.08	11.08			
			Result: Minimal Operation							
-82.58	0	-62	-74.08	12.08						
Result: Normal Operation										

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

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

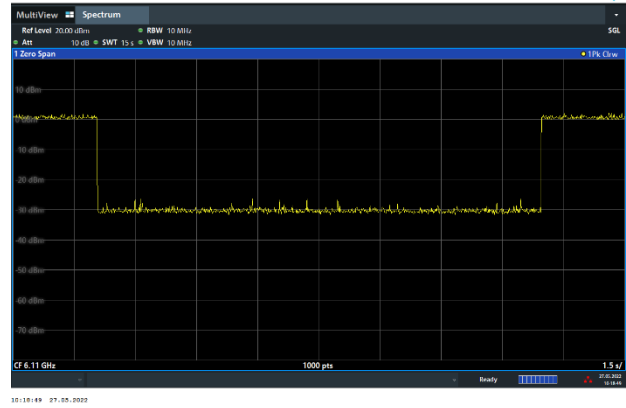
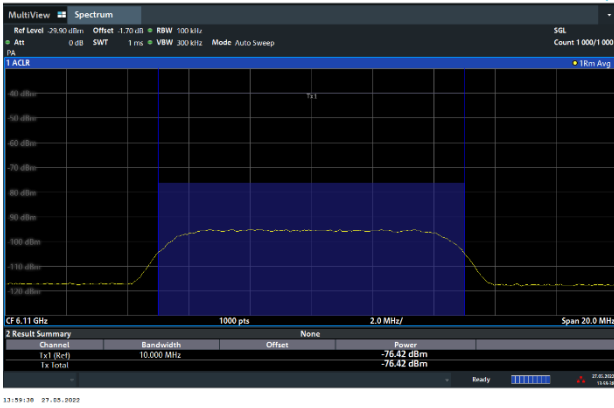
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -76.60dBm</p>	<p>802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.</p>
<p>802.11ax (HE20) / 6135MHz Threshold Level (TL) = -77.60dBm</p>	<p>802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.</p>



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

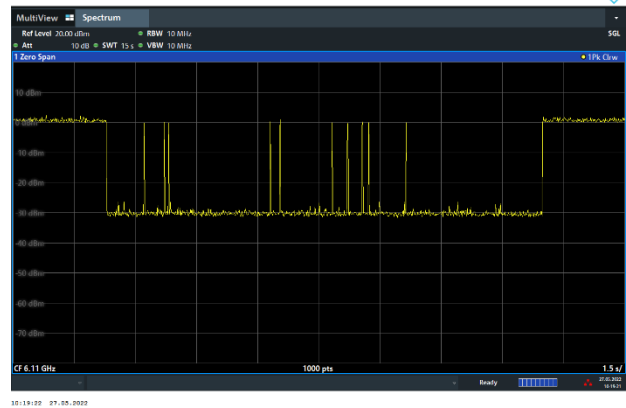
802.11ax (HE80) / 6110MHz (Lower edge)
Threshold Level (TL) = -76.42dBm

802.11ax (HE80) / CH39 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6110MHz (Lower edge)
Threshold Level (TL) = -77.42dBm

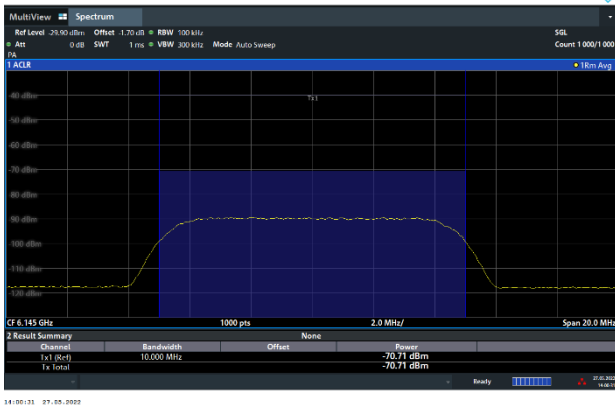
802.11ax (HE80) / CH39 (Lower edge)
Transmit when the interferer is 1dB lower.



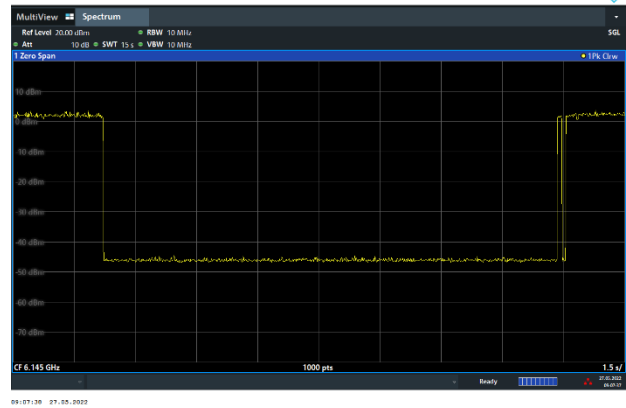


Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

802.11ax (HE80) / 6145MHz (Middle)
Threshold Level (TL) = -70.71dBm

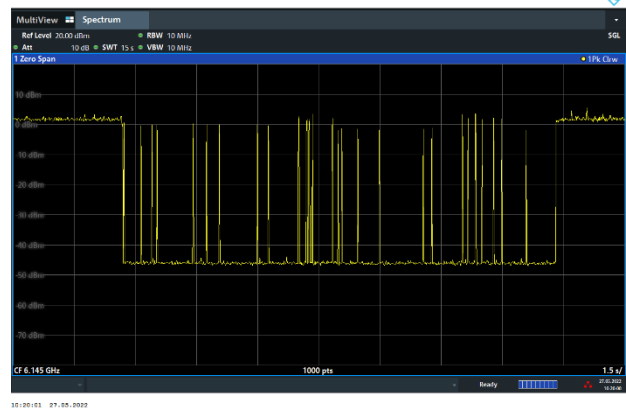


802.11ax (HE80) / CH39 (Middle)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6145MHz (Middle)
Threshold Level (TL) = -71.71dBm

802.11ax (HE80) / CH39 (Middle)
Transmit when the interferer is 1dB lower.

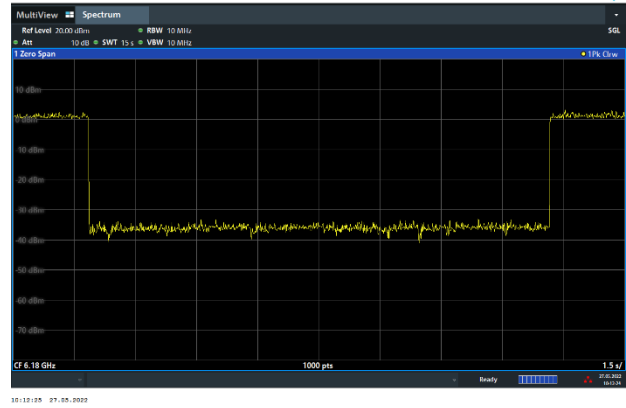
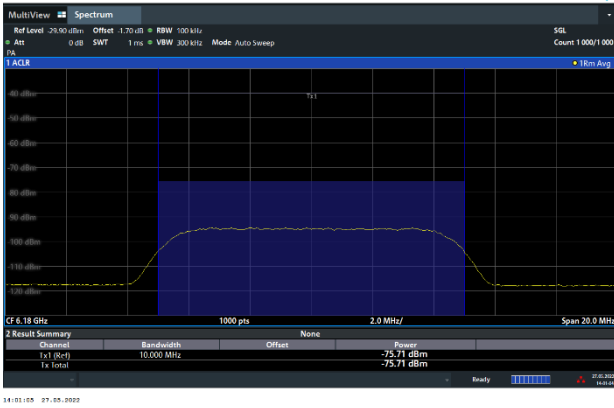




Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

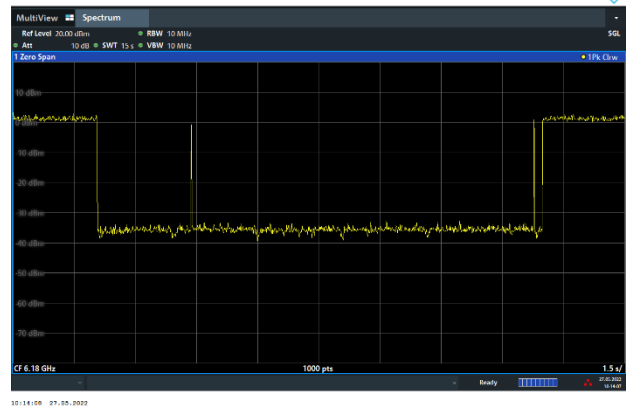
802.11ax (HE80) / 6180MHz (Upper edge)
Threshold Level (TL) = -75.71dBm

802.11ax (HE80) / CH39 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6180MHz (Upper edge)
Threshold Level (TL) = -76.71dBm

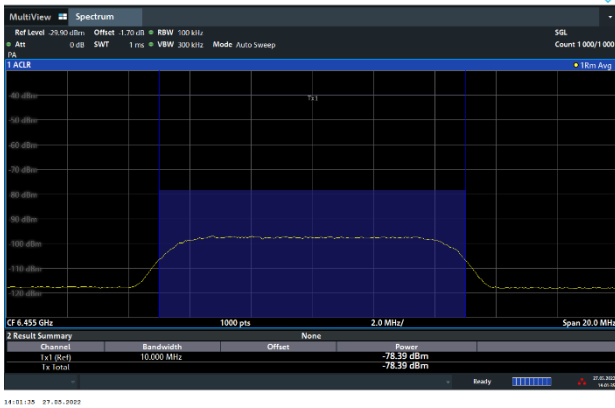
802.11ax (HE80) / CH39 (Upper edge)
Transmit when the interferer is 1dB lower.



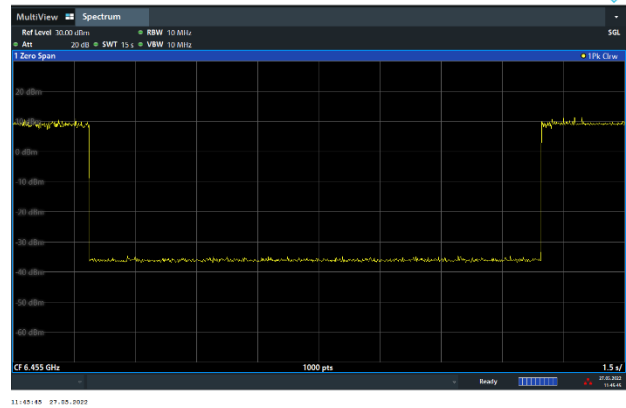


Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -78.39dBm

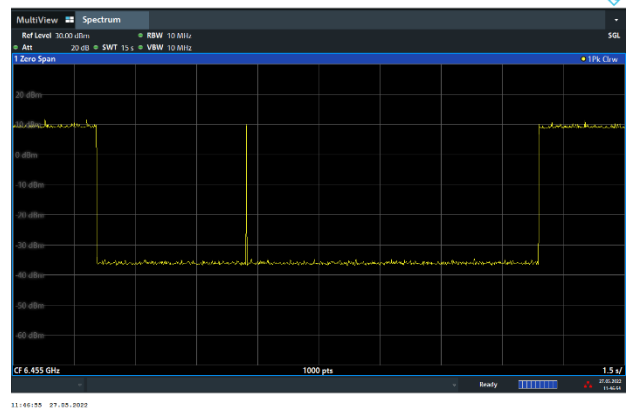


802.11ax (HE20) / CH101
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6455MHz
Threshold Level (TL) = -79.39dBm

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

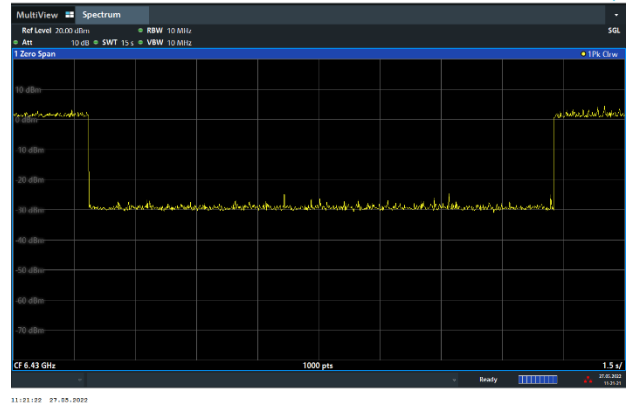
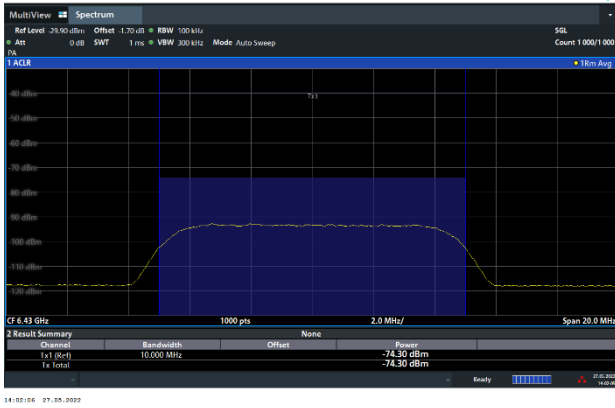




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

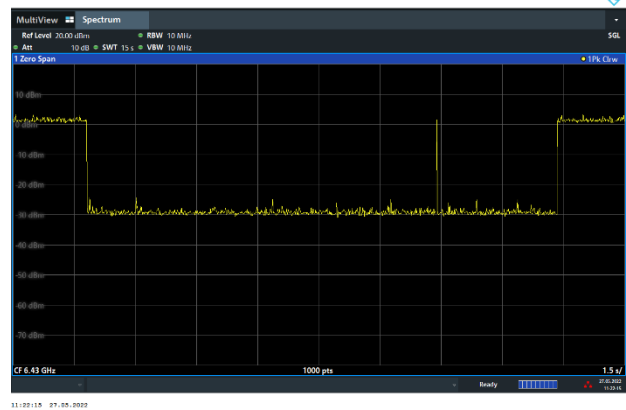
802.11ax (HE80) / 6430MHz (Lower edge)
Threshold Level (TL) = -74.30dBm

802.11ax (HE80) / CH103 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6430MHz (Lower edge)
Threshold Level (TL) = -75.30dBm

802.11ax (HE80) / CH103 (Lower edge)
Transmit when the interferer is 1dB lower.



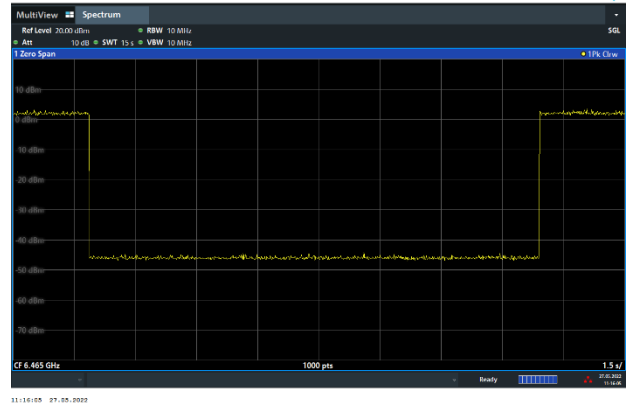
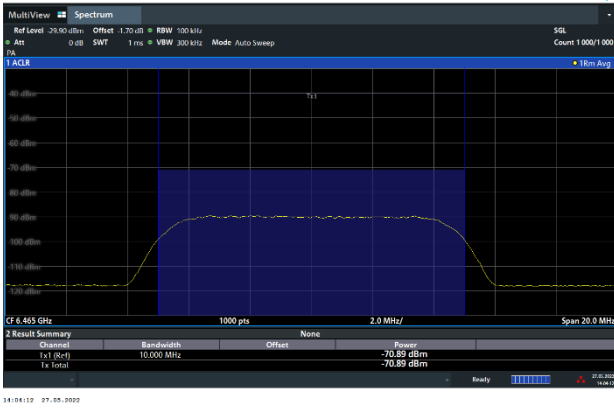


Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

802.11ax (HE80) / 6465MHz (Middle)
Threshold Level (TL) = -70.89dBm

802.11ax (HE80) / CH103 (Middle)

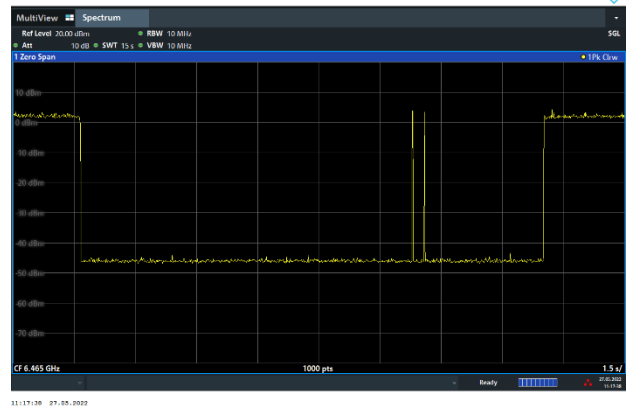
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6465MHz (Middle)
Threshold Level (TL) = -71.89dBm

802.11ax (HE80) / CH103 (Middle)

Transmit when the interferer is 1dB lower.

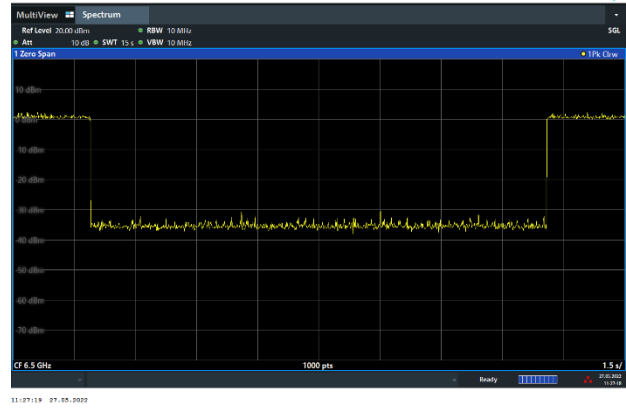
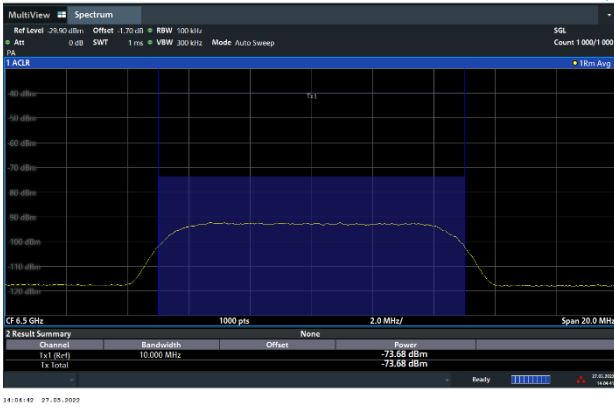




Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

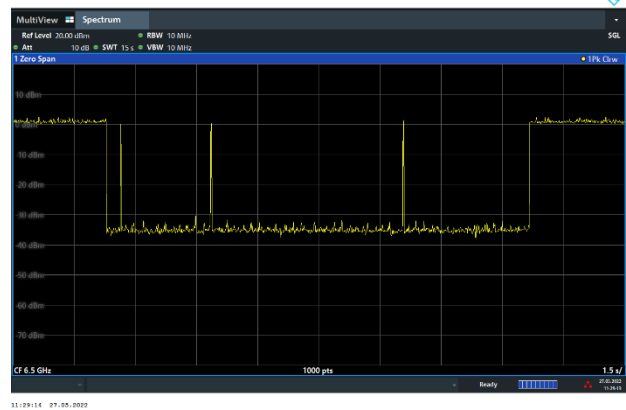
802.11ax (HE80) / 6500MHz (Upper edge)
Threshold Level (TL) = -73.68dBm

802.11ax (HE80) / CH103 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6500MHz (Upper edge)
Threshold Level (TL) = -74.68dBm

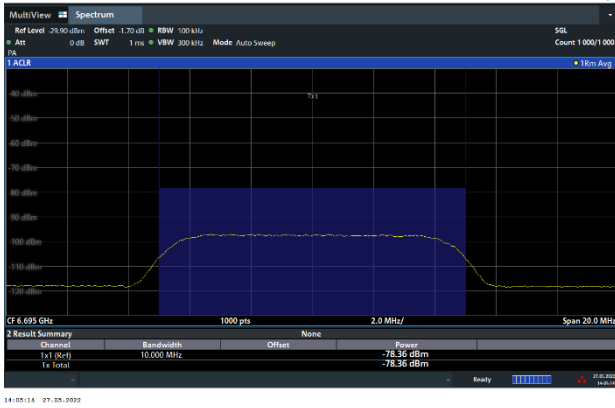
802.11ax (HE80) / CH103 (Upper edge)
Transmit when the interferer is 1dB lower.



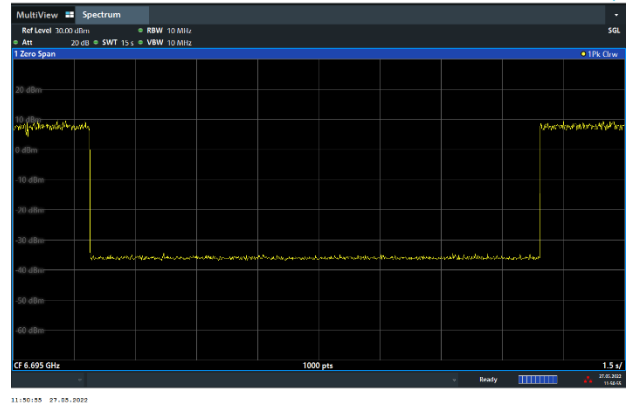


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -78.36dBm

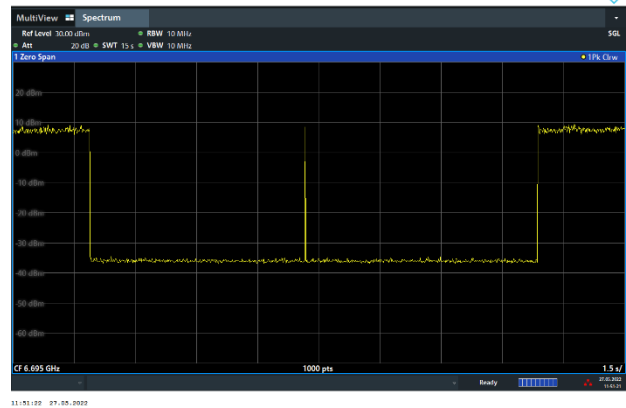


802.11ax (HE20) / CH149
Test result is pass due to no transmission occur.



802.11ax (HE20) / 6695MHz
Threshold Level (TL) = -79.36dBm

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

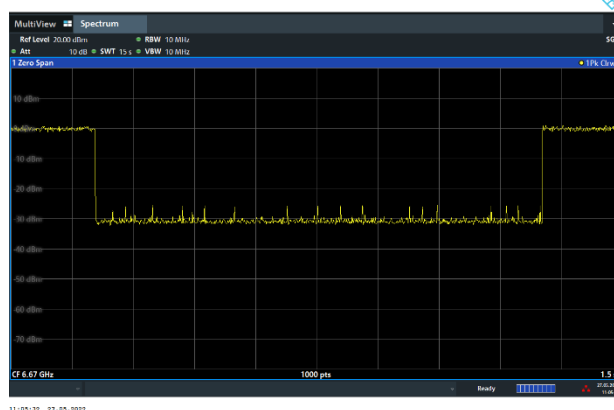
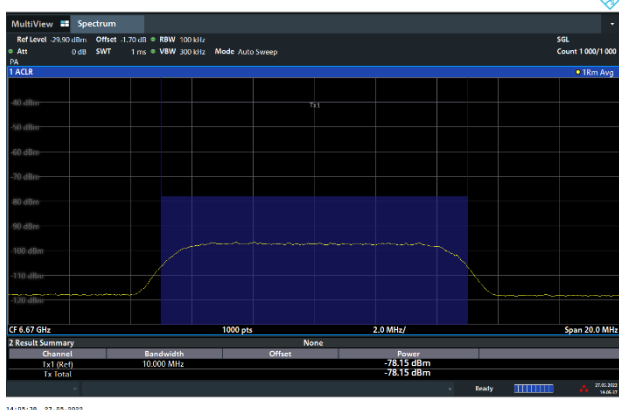




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

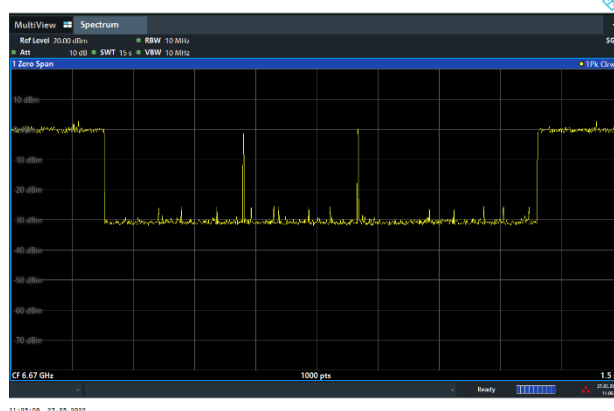
802.11ax (HE80) / 6670MHz (Lower edge)
Threshold Level (TL) = -78.15dBm

802.11ax (HE80) / CH151 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6670MHz (Lower edge)
Threshold Level (TL) = -79.15dBm

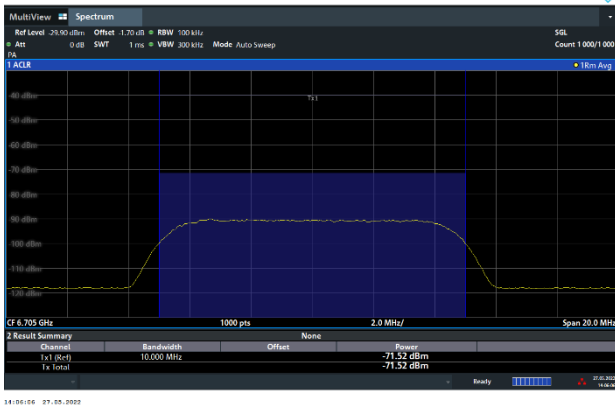
802.11ax (HE80) / CH151 (Lower edge)
Transmit when the interferer is 1dB lower.



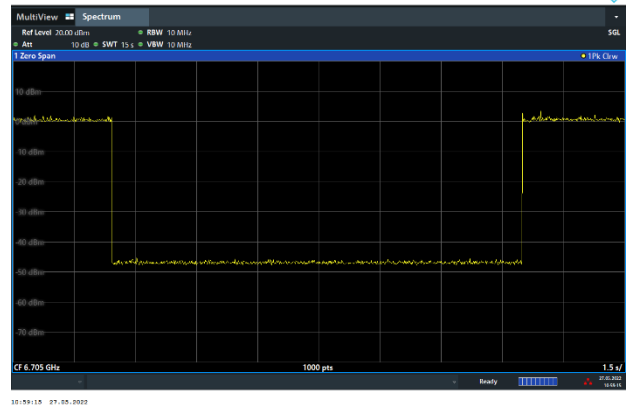


Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

802.11ax (HE80) / 6705MHz (Middle)
Threshold Level (TL) = -71.52dBm

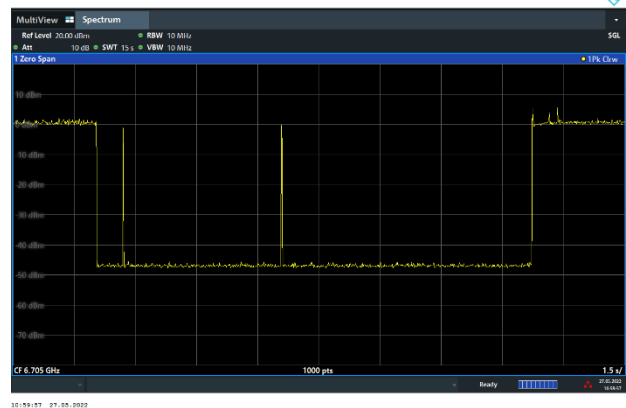


802.11ax (HE80) / CH151 (Middle)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6705MHz (Middle)
Threshold Level (TL) = -72.52dBm

802.11ax (HE80) / CH151 (Middle)
Transmit when the interferer is 1dB lower.

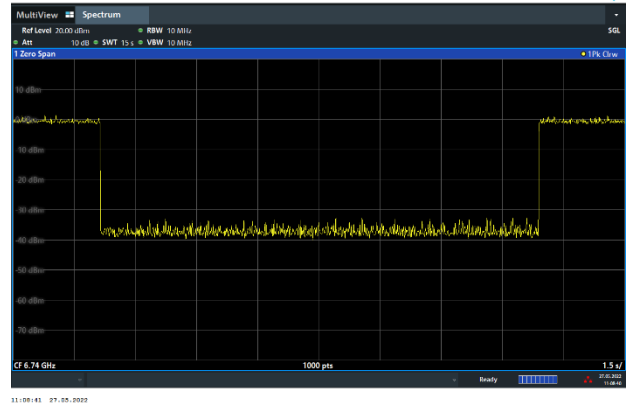
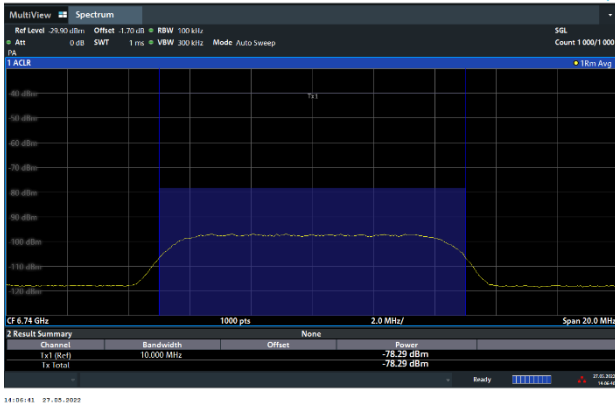




Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)

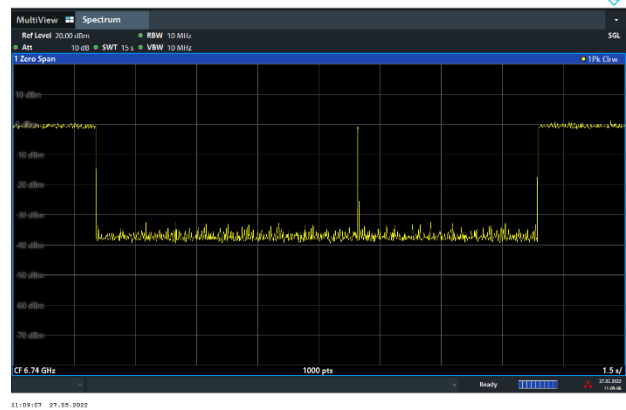
802.11ax (HE80) / 6740MHz (Upper edge)
Threshold Level (TL) = -78.29dBm

802.11ax (HE80) / CH151 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6740MHz (Upper edge)
Threshold Level (TL) = -79.29dBm

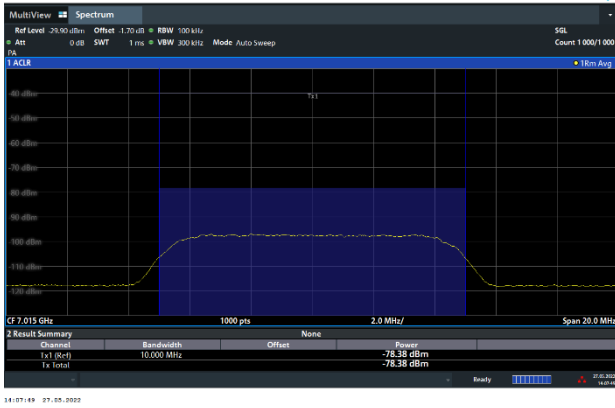
802.11ax (HE80) / CH151 (Upper edge)
Transmit when the interferer is 1dB lower.



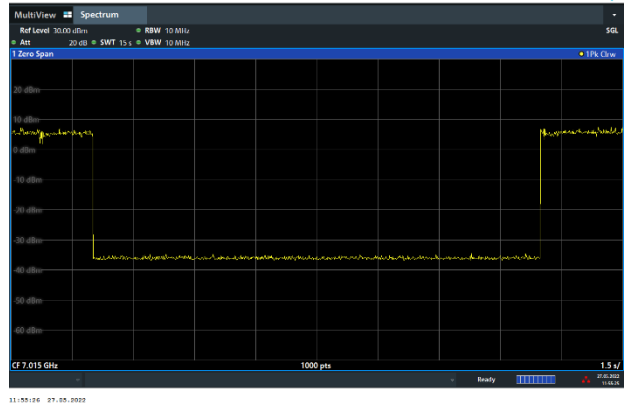


Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -78.38dBm

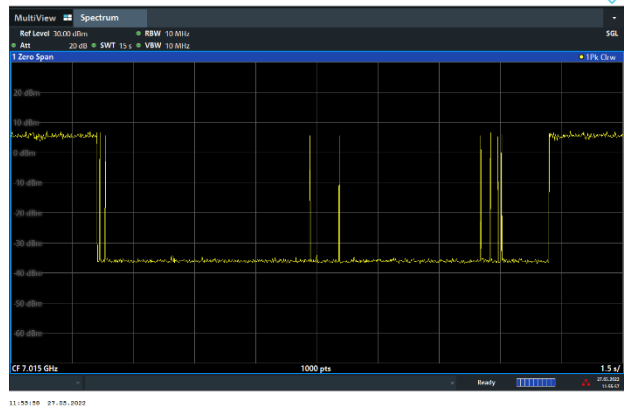


802.11ax (HE20) / CH213
Test result is pass due to no transmission occur.



802.11ax (HE20) / 7015MHz
Threshold Level (TL) = -79.38dBm

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

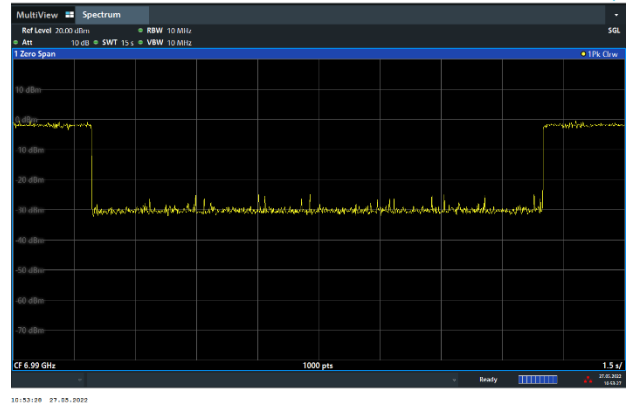
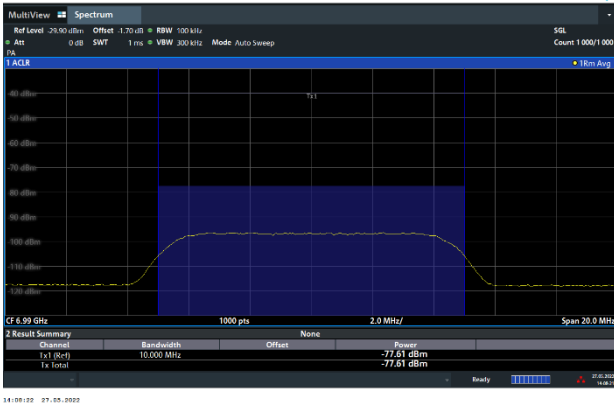




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

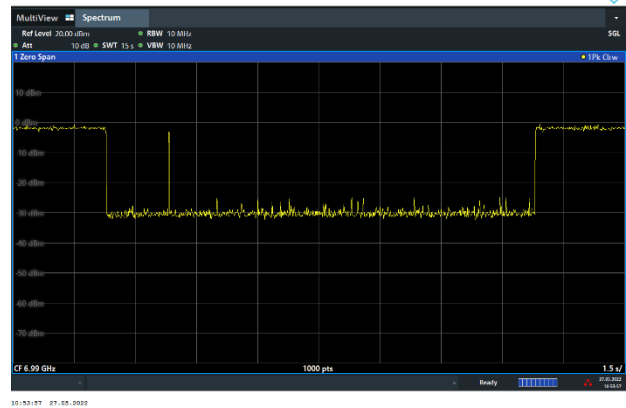
802.11ax (HE80) / 6990MHz (Lower edge)
Threshold Level (TL) = -77.61dBm

802.11ax (HE80) / CH215 (Lower edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 6990MHz (Lower edge)
Threshold Level (TL) = -78.61dBm

802.11ax (HE80) / CH215 (Lower edge)
Transmit when the interferer is 1dB lower.



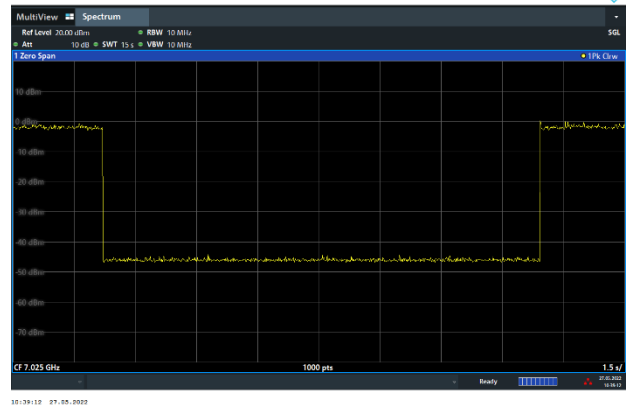
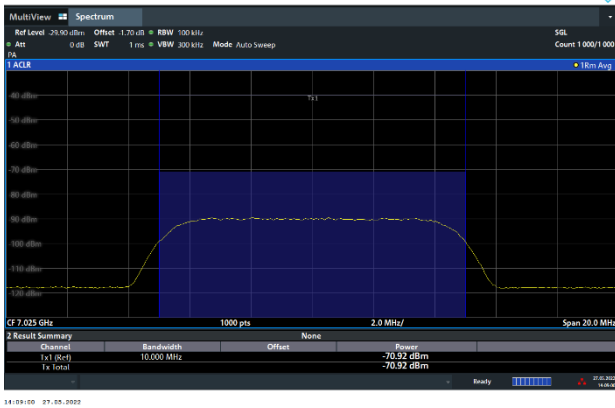


Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

802.11ax (HE80) / 7025MHz (Middle)
Threshold Level (TL) = -70.92dBm

802.11ax (HE80) / CH215 (Middle)

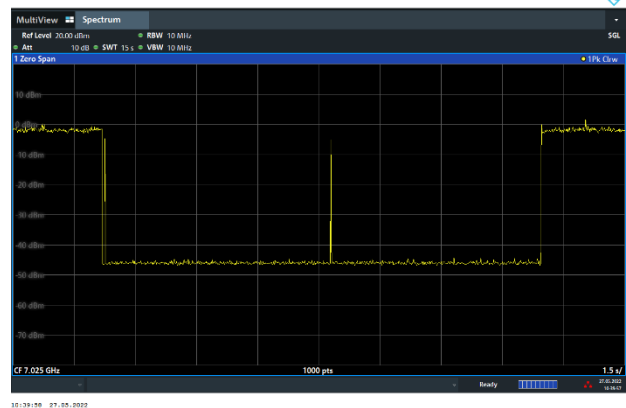
Test result is pass due to no transmission occur.



802.11ax (HE80) / 7025MHz (Middle)
Threshold Level (TL) = -71.92dBm

802.11ax (HE80) / CH215 (Middle)

Transmit when the interferer is 1dB lower.

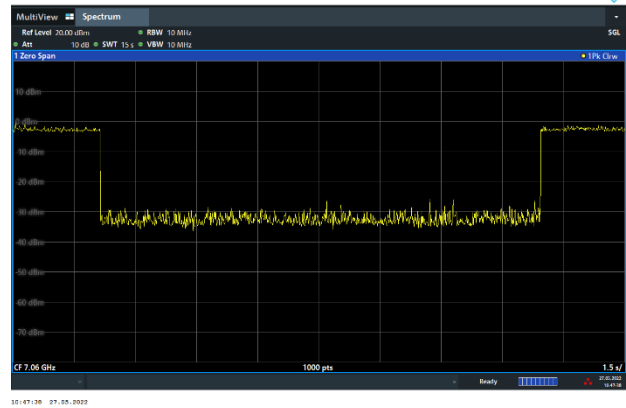
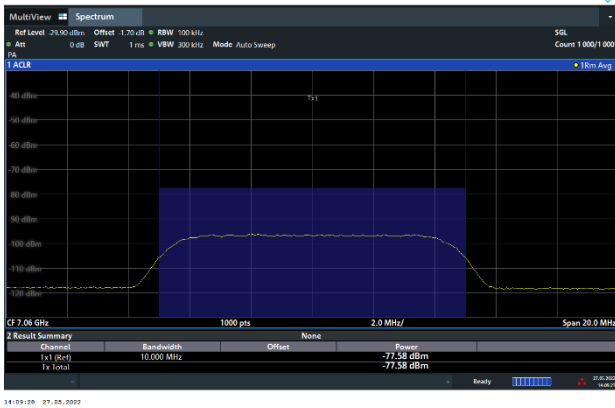




Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)

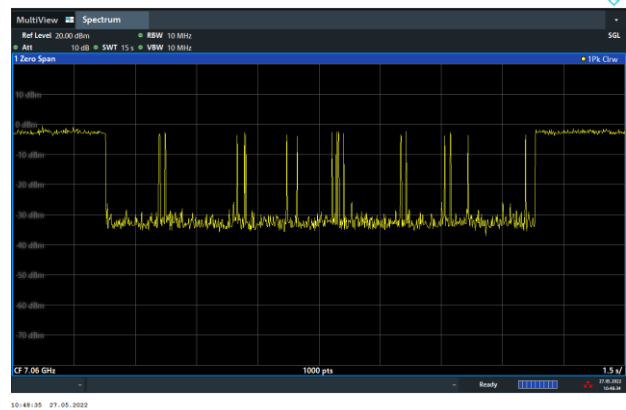
802.11ax (HE80) / 7060MHz (Upper edge)
Threshold Level (TL) = -77.58dBm

802.11ax (HE80) / CH215 (Upper edge)
Test result is pass due to no transmission occur.



802.11ax (HE80) / 7060MHz (Upper edge)
Threshold Level (TL) = -78.58dBm

802.11ax (HE80) / CH215 (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 27, 2022	Jan. 12, 2023	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101104	10Hz~44GHz	Feb. 16, 2022	May 27, 2022	Feb. 15, 2023	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A1	0.5GHz-18GHz	Calibration from System	May 27, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	2Way Divider	DCMB1KW7A2	0.5GHz-18GHz	Calibration from System	May 27, 2022	Calibration from System	CBP (DF02-HY)
Coupler	MVE	MVE4816	A400014	0.5-18GHz	Calibration from System	May 27, 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 27, 2022	Calibration from System	CBP (DF02-HY)

————THE END————