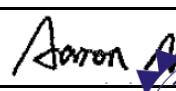
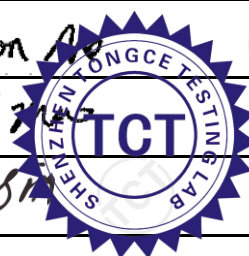


TEST REPORT

FCC ID. :	2ABC5-E0115	
Test Report No..... :	TCT251222E017	
Date of issue..... :	Dec. 26, 2025	
Testing laboratory	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.	
Address..... :	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.	
Manufacturer's name ... :	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.	
Address..... :	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.	
Standard(s)	FCC CFR Title 47 Part 15 Subpart E Section 15.407 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01	
Product Name..... :	Digital Signage	
Trade Mark	N/A	
Model/Type reference..... :	WL1589T	
Rating(s)..... :	Adapter Information: Model: FJ-GN636S1203000N Input: AC 100-240V, 50/60Hz, 1.5A Max Output: DC 12.0V, 3.0A, 36.0W Rechargeable Li-ion Battery DC 10.95V	
Date of receipt of test item	Nov. 28, 2025	
Date (s) of performance of test..... :	Nov. 28, 2025 ~ Dec. 26, 2025	
Tested by (+signature) ... :	Aaron MO	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	

**General disclaimer:**

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1. General Product Information

1.1. EUT description

Product Name.....:	Digital Signage
Model/Type reference.....:	WL1589T
Sample Number.....:	TCT251222E011-0101
Operation Frequency	Band 1: 5180MHz~5240MHz Band 3: 5745MHz~5825MHz
Channel Bandwidth.....:	802.11a: 20MHz 802.11n: 20MHz, 40MHz 802.11ac: 20MHz, 40MHz, 80MHz 802.11ax: 20MHz, 40MHz, 80MHz
Modulation Technology	802.11a/802.11n/802.11ac: Orthogonal Frequency Division Multiplexing (OFDM) 802.11ax: Orthogonal Frequency-Division Multiple Access (OFDMA)
Modulation Type	802.11a/n: 64QAM, 16QAM, QPSK, BPSK 802.11ac: 256QAM, 64QAM, 16QAM, QPSK, BPSK 802.11ax: 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK
Antenna Type.....:	FPC Antenna
Antenna Gain.....:	3.32 dBi
Rating(s).....:	Adapter Information: Model: FJ-GN636S1203000N Input: AC 100-240V, 50/60Hz, 1.5A Max Output: DC 12.0V, 3.0A, 36.0W Rechargeable Li-ion Battery DC 10.95V

Note: 1. The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

2. 802.11ax not support partial RU mode, all test configurations are solely applicable to Full RU.

1.2. Model(s) list

None.

1.3. Test Frequency

Band 1

20MHz		40MHz		80MHz	
Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180	38	5190	42	5210
40	5200	46	5230		
48	5240				

Band 3

20MHz		40MHz		80MHz	
Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745	151	5755	155	5775
157	5785	159	5795		
165	5825				

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Maximum Conducted Output Power	§15.407(a)	PASS
6dB Emission Bandwidth	§15.407(a)	PASS
26dB Emission Bandwidth& 99% Occupied Bandwidth	§15.407(a)	PASS
Power Spectral Density	§15.407(a)	PASS
Restricted Bands around fundamental frequency	§15.407(b)	PASS
Radiated Emission	§15.407(b)	PASS
Frequency Stability	§15.407(g)	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.
5. For the band 5.15-5.25GHz, EUT meet the requirements of 15.407(a)(ii).

3. General Information

3.1. Test environment and mode

Operating Environment:		
Condition	Conducted Emission	Radiated Emission
Temperature:	22.8 °C	23.9 °C
Humidity:	49 % RH	46 % RH
Atmospheric Pressure:	1010 mbar	1010 mbar
Test Software:		
Software Information:	CMD	
Power Level:	Default	
Test Mode:		
Engineer mode:	Keep the EUT in continuous transmitting by select channel and modulations with max duty cycle.	
The sample was placed 0.8m/1.5m for blow/above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.		

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate
802.11a	6 Mbps
802.11n(HT20)	6.5 Mbps
802.11n(HT40)	13.5 Mbps
802.11ac(VHT20)	6.5 Mbps
802.11ac(VHT40)	13.5 Mbps
802.11ac(VHT80)	29.3 Mbps
802.11ax(HE20)	6.5Mbps
802.11ax(HE40)	13.5Mbps

802.11ax(HE80)	29.3 Mbps
----------------	-----------

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

4. Facilities and Accreditations

4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- A2LA-No.: 4320.01

SHENZHEN TONGCE TESTING LAB

The testing lab has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

5. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	Occupied Bandwidth	± 57.74 kHz
5	All emissions, radiated(<1 GHz)	± 4.56 dB
6	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
7	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB

6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

E.U.T Antenna:

The WIFI antenna is FPC antenna which permanently attached, and the best case gain of the antenna is 3.32 dBi.

6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2020														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBuV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	Reference Plane 40cm E.U.T AC power Test table/Insulation plane 80cm LISN Filter AC power EMI Receiver Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m														
Test Mode:	Transmitting Mode														
Test Procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement.														
Test Result:	PASS														

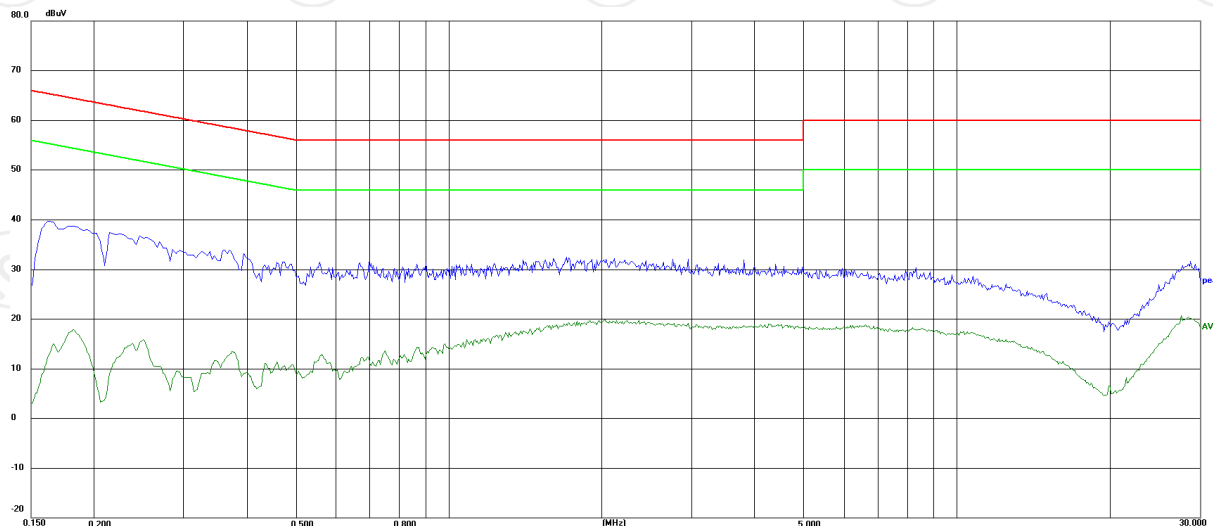
6.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)					
Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date
EMI Test Receiver	R&S	ESCI3	100898	Jun. 26, 2025	Jun. 25, 2026
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 21, 2025	Jan. 20, 2026
10db Attenuator	R&S	ESH3-Z2	102720	Dec. 18, 2024	Dec. 17, 2025
10db Attenuator	R&S	ESH3-Z2	102720	Dec. 15, 2025	Dec. 14, 2026
Line-5	TCT	CE-05	/	Jun. 26, 2025	Jun. 25, 2026
EMI Test Software	EZ EMC	EMEC-3A1	1.1.4.2	/	/

6.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



No.	Frequency (MHz)	QP Value (dBμV)	QP Limit (dBμV)	QP Margin (dB)	AVG Value (dBμV)	AVG Limit (dBμV)	AVG Margin (dB)	Result	Line
1	0.182	38.73	64.40	-25.67	17.82	54.40	-36.58	Pass	Line 1
2	0.250	36.49	61.76	-25.27	15.97	51.76	-35.79	Pass	Line 1
3	0.374	33.95	58.41	-24.46	13.45	48.41	-34.96	Pass	Line 1
4	0.558	31.43	56.00	-24.57	12.94	46.00	-33.06	Pass	Line 1
5	1.718	32.41	56.00	-23.59	19.31	46.00	-26.69	Pass	Line 1
6	2.954	32.10	56.00	-23.90	19.12	46.00	-26.88	Pass	Line 1

Note:

Freq. = Emission frequency in MHz

Reading level (dBμV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB)

Limit (dBμV) = Limit stated in standard

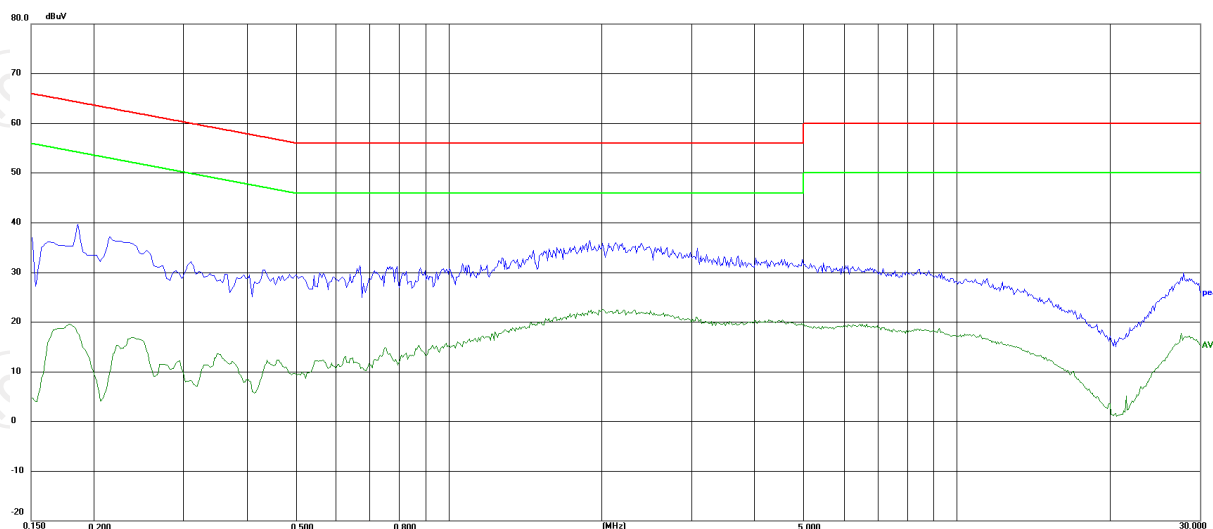
Margin (dB) = Measurement (dBμV) – Limits (dBμV)

Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



No.	Frequency (MHz)	QP Value (dBμV)	QP Limit (dBμV)	QP Margin (dB)	AVG Value (dBμV)	AVG Limit (dBμV)	AVG Margin (dB)	Result	Line
1	0.178	37.44	64.58	-27.14	19.65	54.58	-34.93	Pass	Neutral
2	0.238	35.78	62.17	-26.39	16.95	52.17	-35.22	Pass	Neutral
3	0.350	29.70	58.96	-29.26	13.58	48.96	-35.38	Pass	Neutral
4	0.750	30.39	56.00	-25.61	14.91	46.00	-31.09	Pass	Neutral
5	1.906	36.43	56.00	-19.57	22.38	46.00	-23.62	Pass	Neutral
6	2.498	35.90	56.00	-20.10	22.27	46.00	-23.73	Pass	Neutral

Note:

Freq. = Emission frequency in MHz

Reading level (dBμV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB)

Limit (dBμV) = Limit stated in standard

Margin (dB) = Measurement (dBμV) – Limits (dBμV)

Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80), 802.11ax(HE20), 802.11ax(HE40), 802.11ax(HE80)) and the worst case Mode (5200MHz of 802.11a) was submitted only.

6.3. Maximum Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407(a)& Part 2 J Section 2.1046		
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E		
Limit:	Frequency (MHz)	Band	Limit
	5180 - 5240		24dBm(250mW) for client device
	5260 - 5320		24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz
	5470 - 5725		24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz
	5745 - 5825		30dBm(1W)
Test Setup:	 The diagram illustrates the test setup. On the left is a green rectangular device labeled 'Power meter'. A black line representing an RF cable connects it to a yellow rectangular device on the right labeled 'EUT'.		
Test Mode:	Transmitting mode with modulation		
Test Procedure:	1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a 2. The RF output of EUT was connected to the power meter by RF cable. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Measure the conducted output power and record the results in the test report.		
Test Result:	PASS		

6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date
Power Sensor	KEYSIGHT	U2021XA	MY55080002	Jun. 26, 2025	Jun. 25, 2026

6.4. 6dB Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407(e)& Part 2 J Section 2.1049
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C
Limit:	>500kHz
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report.
Test Result:	PASS

6.4.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025	Jun. 25, 2026
Power detector box	MWRFTest	MW100-RFCB	MW210531TCT	Jan. 21, 2025	Jan. 20, 2026

6.5. 26dB Bandwidth and 99% Occupied Bandwidth

6.5.1. Test Specification

Test Requirement:	47 CFR Part 15C Section 15.407 (a)& Part 2 J Section 2.1049
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D
Limit:	No restriction limits
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 1% to 5% of the OBW. Set the Video bandwidth (VBW) = 3 *RBW. In order to make an accurate measurement. 4. Measure and record the results in the test report.
Test Result:	PASS

6.5.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025	Jun. 25, 2026
Power detector box	MWRFtest	MW100-RFCB	MW210531TCT	Jan. 21, 2025	Jan. 20, 2026

6.6. Power Spectral Density

6.6.1. Test Specification

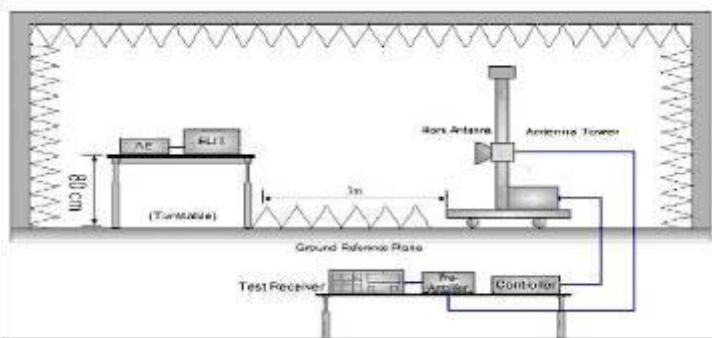
Test Requirement:	FCC Part15 E Section 15.407 (a)
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F
Limit:	$\leq 11.00\text{dBm/MHz}$ for Band 1 5150MHz-5250MHz(client device) $\leq 11.00\text{dBm/MHz}$ for Band 2A&2C 5250-5350&5470-5725 $\leq 30.00\text{dBm/500KHz}$ for Band 3 5725MHz-5850MHz The e.i,r,p spectral density for Band 1 5150MHz – 5250 MHz should not exceed 10dBm/MHz
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. 1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS. 2. Allow the sweeps to continue until the trace stabilizes. 3. Use the peak marker function to determine the maximum amplitude level.
Test Result:	PASS

6.6.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025	Jun. 25, 2026
Power detector box	MWRFTest	MW100-RFCB	MW210531TCT	Jan. 21, 2025	Jan. 20, 2026

6.7. Band edge

6.7.1. Test Specification

Test Requirement:	FCC CFR47 Part 15E Section 15.407																										
Test Method:	ANSI C63.10:2020																										
Limit:	In un-restricted band: For Band 1&2A&2C: -27dBm/MHz For Band 3: <table><tr><th>Frequency (MHz)</th><th>Limit (dBm/MHz)</th><th>Frequency (MHz)</th><th>Limit (dBm/MHz)</th></tr><tr><td>< 5650</td><td>-27</td><td>5850~5855</td><td>27~15.6</td></tr><tr><td>5650~5700</td><td>-27~10</td><td>5855~5875</td><td>15.6~10</td></tr><tr><td>5700~5720</td><td>10~15.6</td><td>5875~5925</td><td>10~-27</td></tr><tr><td>5720~5725</td><td>15.6~27</td><td>> 5925</td><td>-27</td></tr></table> E[dBμV/m] = EIRP[dBm] + 95.2 @3m In restricted band: <table><tr><th>Detector</th><th>Limit@3m</th></tr><tr><td>Peak</td><td>74dBμV/m</td></tr><tr><td>AVG</td><td>54dBμV/m</td></tr></table>	Frequency (MHz)	Limit (dBm/MHz)	Frequency (MHz)	Limit (dBm/MHz)	< 5650	-27	5850~5855	27~15.6	5650~5700	-27~10	5855~5875	15.6~10	5700~5720	10~15.6	5875~5925	10~-27	5720~5725	15.6~27	> 5925	-27	Detector	Limit@3m	Peak	74dBμV/m	AVG	54dBμV/m
Frequency (MHz)	Limit (dBm/MHz)	Frequency (MHz)	Limit (dBm/MHz)																								
< 5650	-27	5850~5855	27~15.6																								
5650~5700	-27~10	5855~5875	15.6~10																								
5700~5720	10~15.6	5875~5925	10~-27																								
5720~5725	15.6~27	> 5925	-27																								
Detector	Limit@3m																										
Peak	74dBμV/m																										
AVG	54dBμV/m																										
Test Setup:																											
Test Mode:	Transmitting mode with modulation																										
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold																										

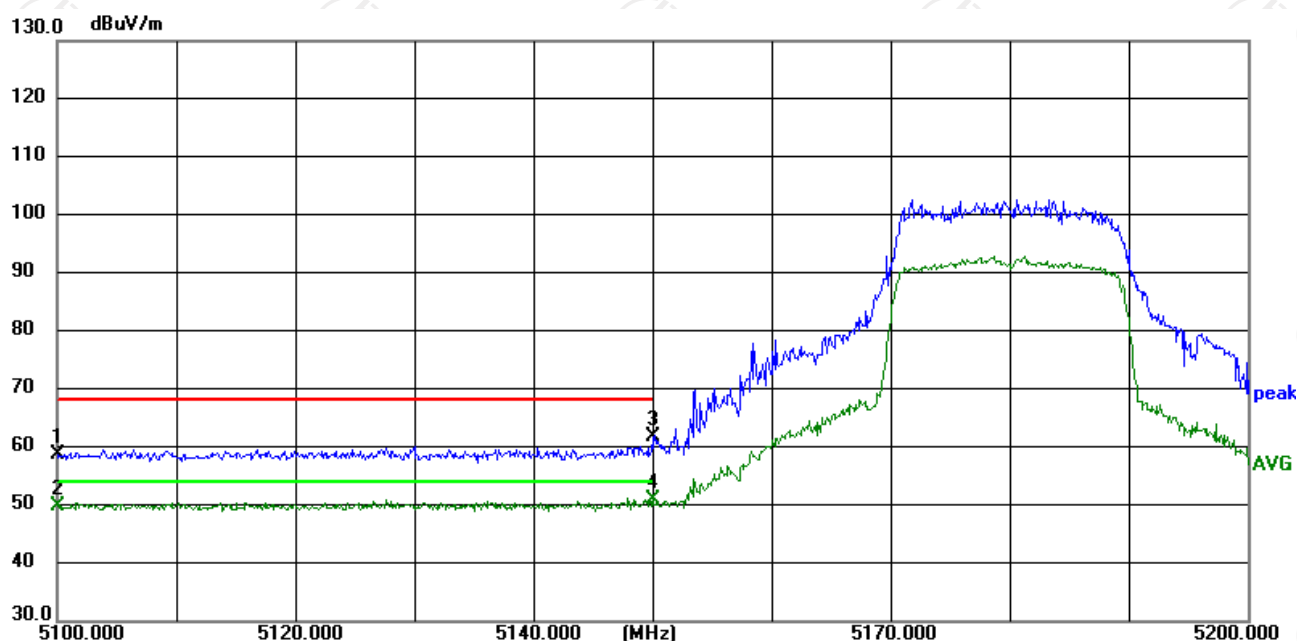
	Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi peak or average method as specified and then reported in a data sheet.
Test Result:	PASS

6.7.2. Test Instruments

Radiated Emission Test Site (966)					
Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date
EMI Test Receiver	R&S	ESCI7	100529	Jan. 21, 2025	Jan. 20, 2026
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025	Jun. 25, 2026
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Jan. 21, 2025	Jan. 20, 2026
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Apr. 11, 2025	Apr. 10, 2026
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025	Jun. 25, 2026
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 30, 2025	Jun. 29, 2026
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 29, 2025	Jun. 28, 2026
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 29, 2025	Jun. 28, 2026
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Jan. 24, 2025	Jan. 23, 2026
Coaxial cable	SKET	RE-03-D	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-03-M	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-03-L	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-04-D	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-04-M	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-04-L	/	Jun. 27, 2025	Jun. 26, 2026
Antenna Mast	Keleto	RE-AM	/	/	/
EMI Test Software	EZ EMC	FA-03A2 RE+	1.1.4.2	/	/

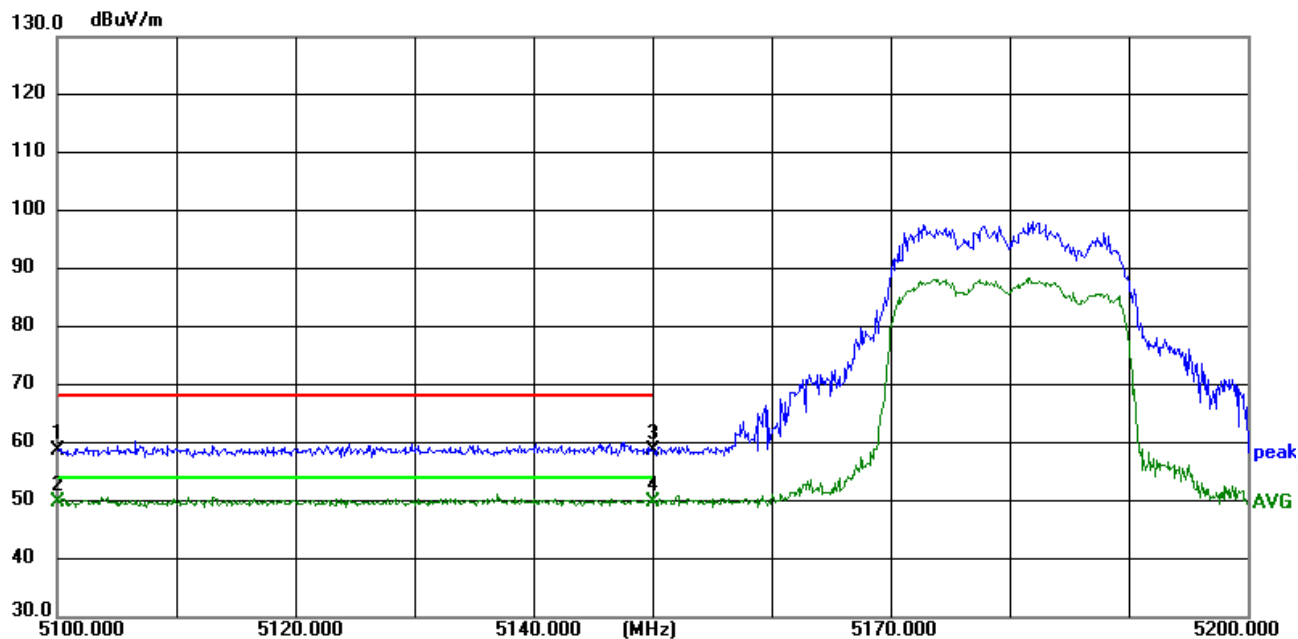
6.7.3. Test Data

AX20-5180



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	67.07	-8.37	58.70	68.20	-9.50	peak	Horizontal
2	5100.000	58.20	-8.37	49.83	54.00	-4.17	AVG	Horizontal
3	5150.000	69.73	-7.87	61.86	68.20	-6.34	peak	Horizontal
4 *	5150.000	58.73	-7.87	50.86	54.00	-3.14	AVG	Horizontal

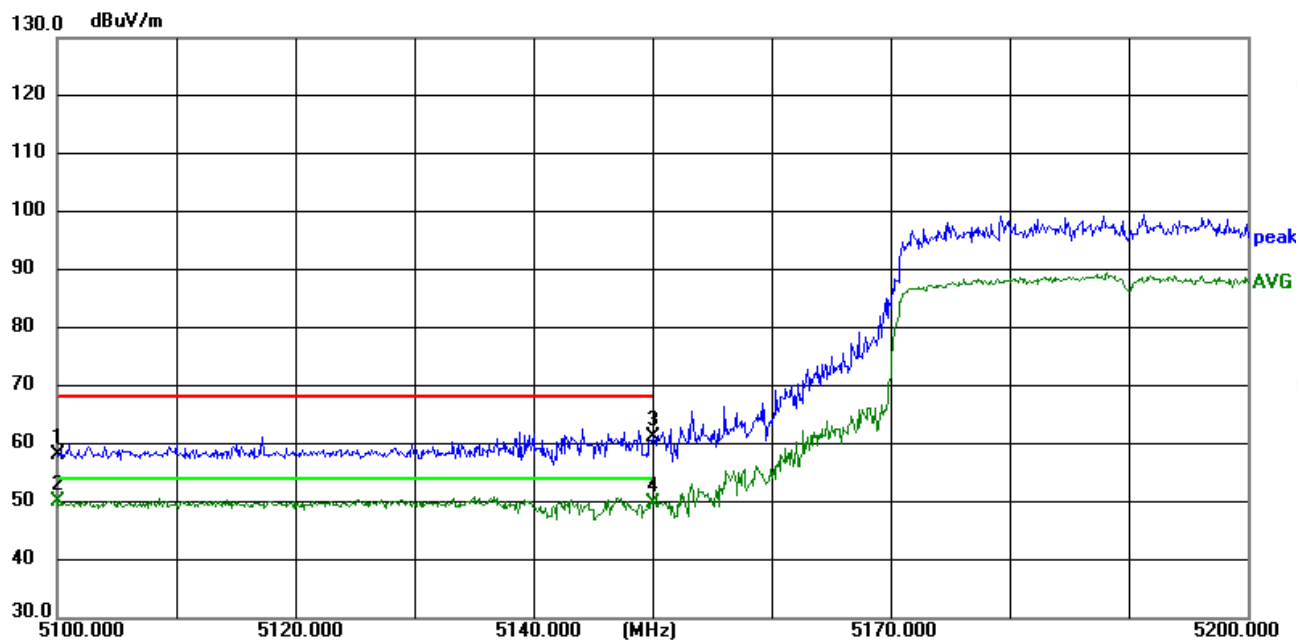
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	67.07	67.07	67.07	68.20	-9.50	peak	Vertical
2	5100.000	58.15	58.15	58.15	54.00	-4.22	AVG	Vertical
3	5150.000	66.66	66.66	66.66	68.20	-9.41	peak	Vertical
4 *	5150.000	57.76	57.76	57.76	54.00	-4.11	AVG	Vertical

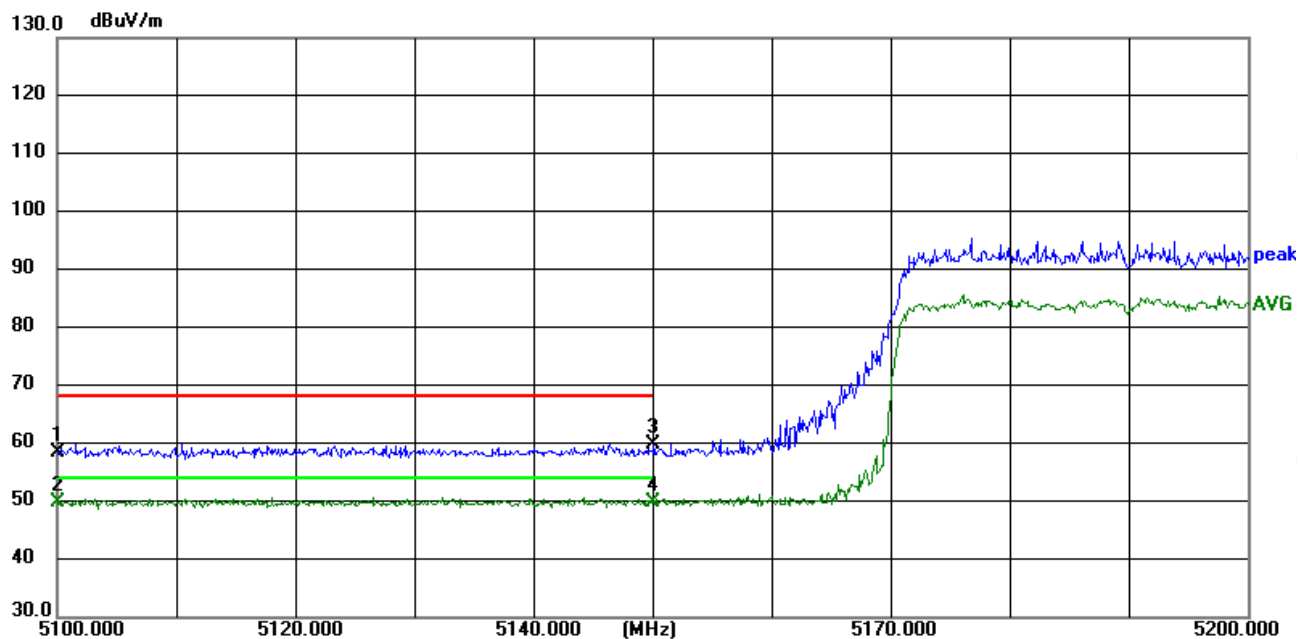
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

AX40-5190



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	66.46	-8.37	58.09	68.20	-10.11	peak	Horizontal
2 *	5100.000	58.62	-8.37	50.25	54.00	-3.75	AVG	Horizontal
3	5150.000	69.06	-7.87	61.19	68.20	-7.01	peak	Horizontal
4	5150.000	57.70	-7.87	49.83	54.00	-4.17	AVG	Horizontal

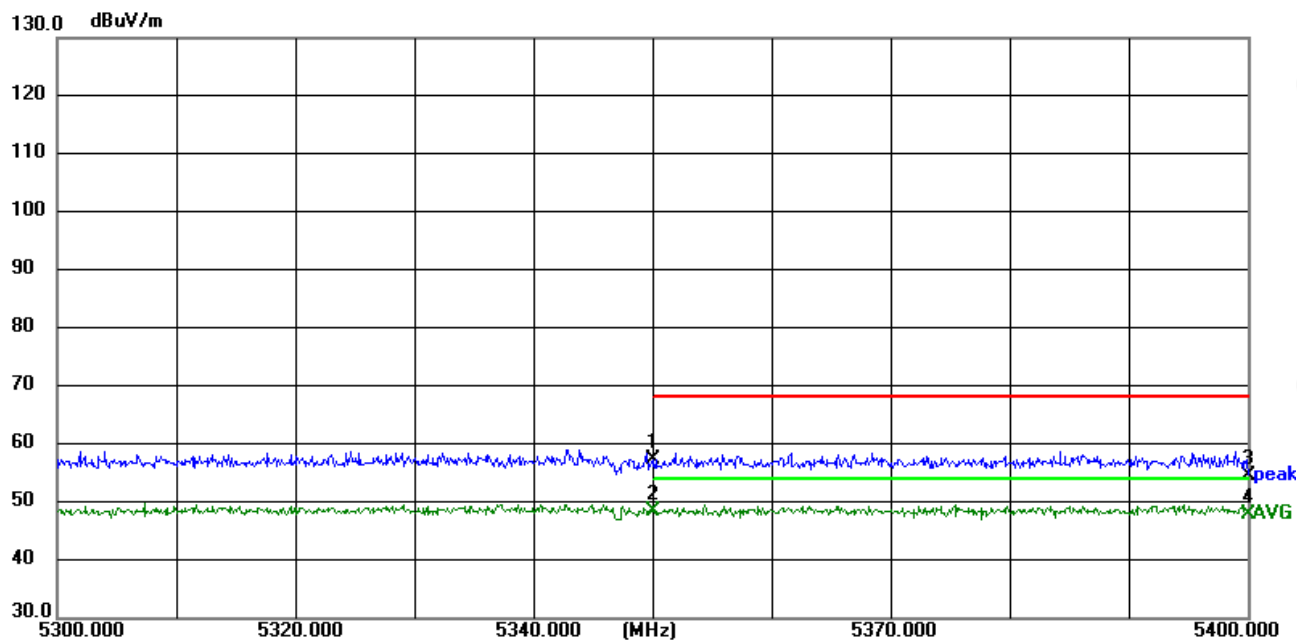
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5100.000	66.85	-8.37	58.48	68.20	-9.72	peak	Vertical
2	5100.000	58.15	-8.37	49.78	54.00	-4.22	AVG	Vertical
3	5150.000	67.61	-7.87	59.74	68.20	-8.46	peak	Vertical
4 *	5150.000	57.86	-7.87	49.99	54.00	-4.01	AVG	Vertical

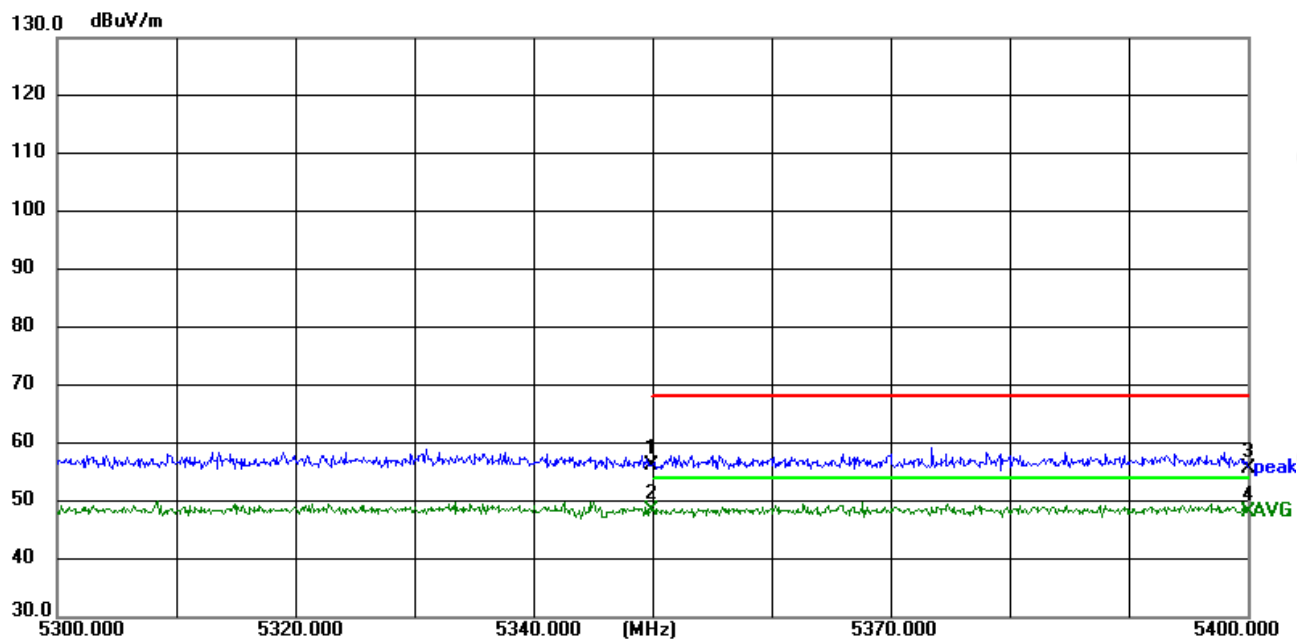
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

AX20-5240



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	65.02	-7.67	57.35	68.20	-10.85	peak	Horizontal
2 *	5350.000	56.22	-7.67	48.55	54.00	-5.45	AVG	Horizontal
3	5400.000	62.10	-7.65	54.45	68.20	-13.75	peak	Horizontal
4	5400.000	55.50	-7.65	47.85	54.00	-6.15	AVG	Horizontal

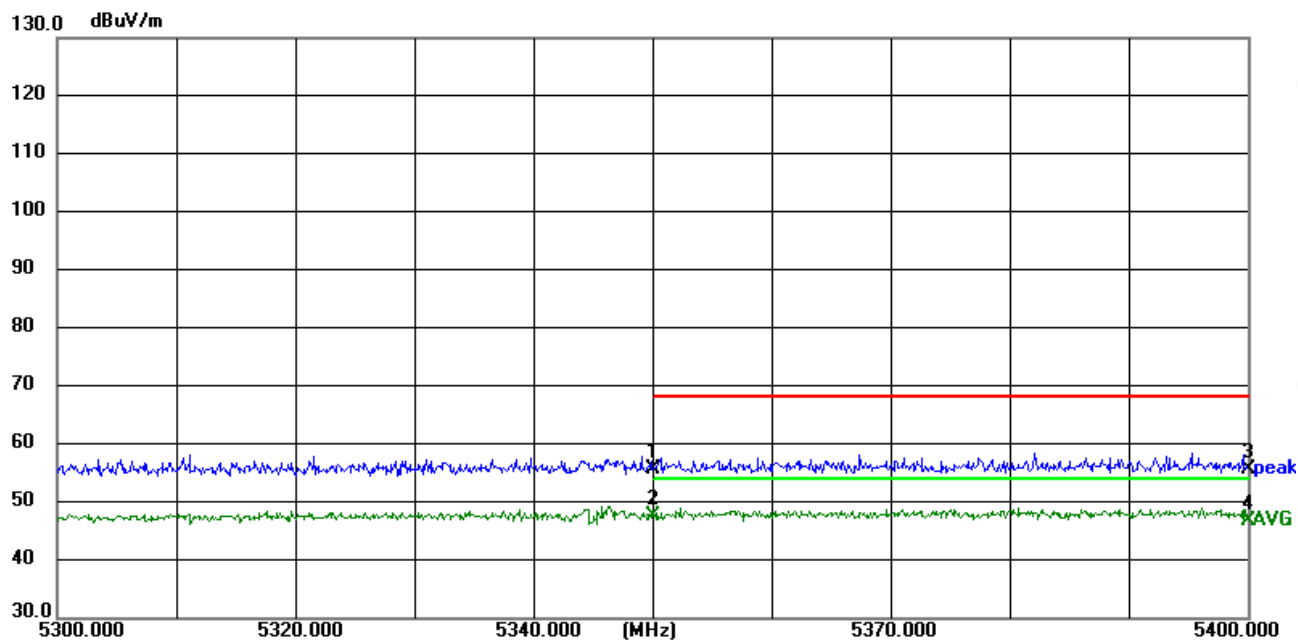
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	63.83	-7.67	56.16	68.20	-12.04	peak	Vertical
2 *	5350.000	56.13	-7.67	48.46	54.00	-5.54	AVG	Vertical
3	5400.000	63.25	-7.65	55.60	68.20	-12.60	peak	Vertical
4	5400.000	55.96	-7.65	48.31	54.00	-5.69	AVG	Vertical

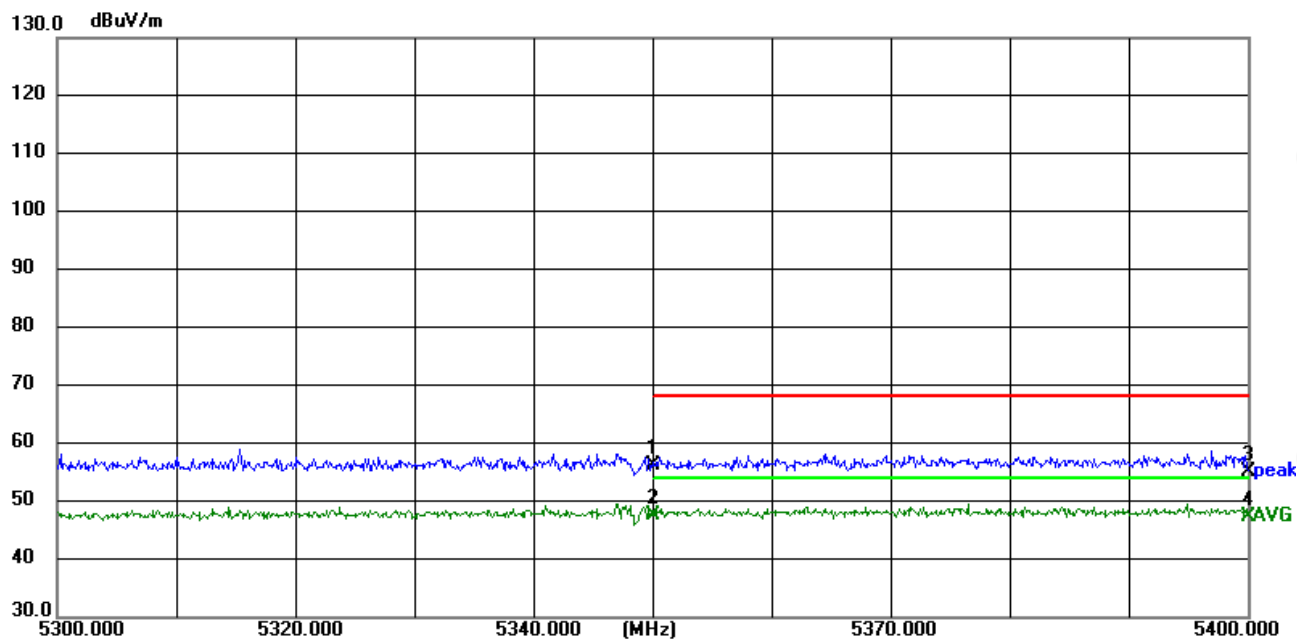
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

AX40-5230



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	63.26	-7.67	55.59	68.20	-12.61	peak	Horizontal
2 *	5350.000	55.37	-7.67	47.70	54.00	-6.30	AVG	Horizontal
3	5400.000	63.22	-7.65	55.57	68.20	-12.63	peak	Horizontal
4	5400.000	54.58	-7.65	46.93	54.00	-7.07	AVG	Horizontal

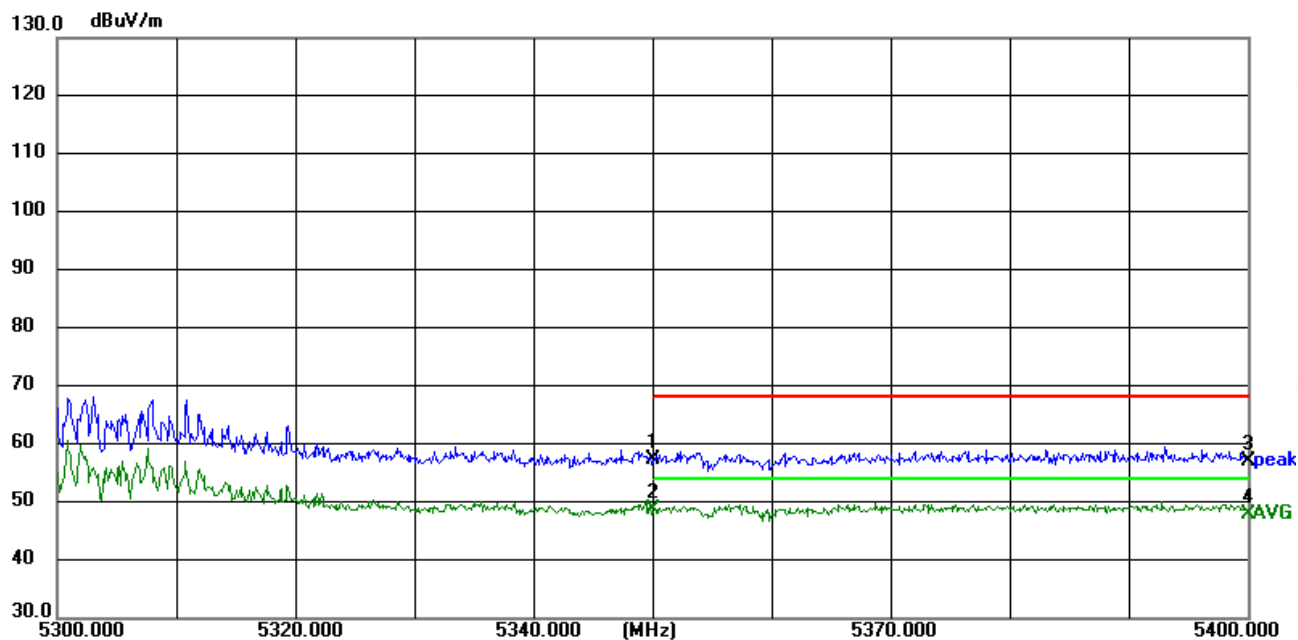
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	63.86	-7.67	56.19	68.20	-12.01	peak	Vertical
2 *	5350.000	55.27	-7.67	47.60	54.00	-6.40	AVG	Vertical
3	5400.000	62.76	-7.65	55.11	68.20	-13.09	peak	Vertical
4	5400.000	54.92	-7.65	47.27	54.00	-6.73	AVG	Vertical

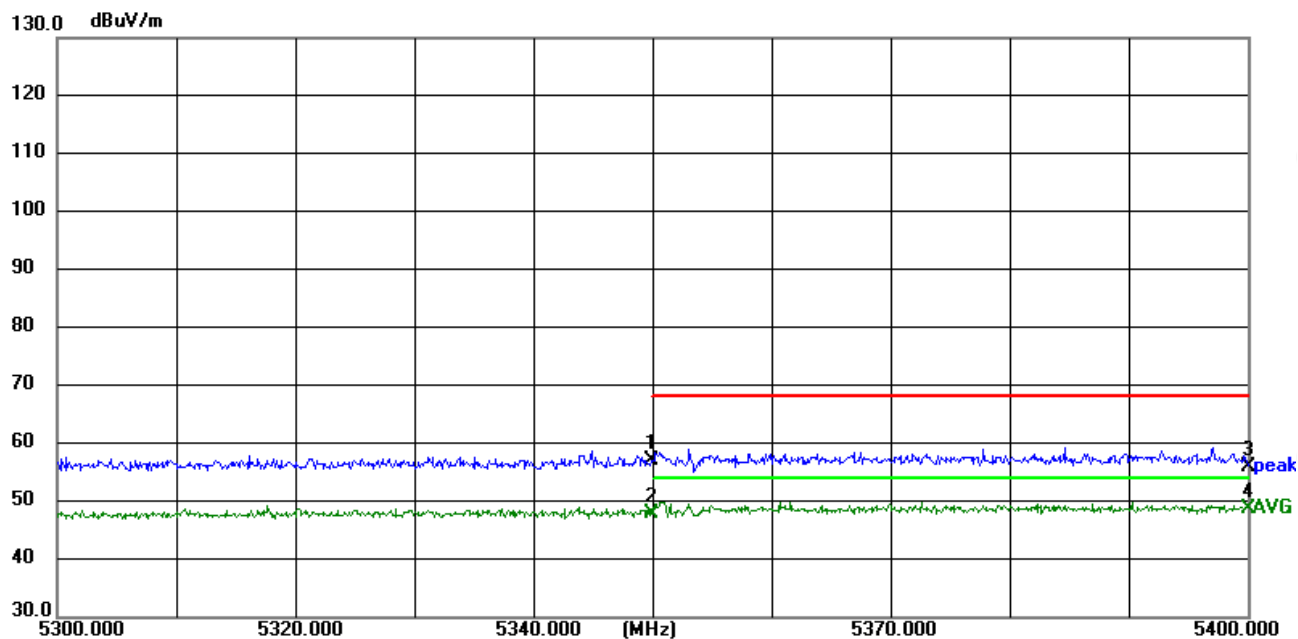
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

AX80-5210



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	65.15	-7.67	57.48	68.20	-10.72	peak	Horizontal
2 *	5350.000	56.51	-7.67	48.84	54.00	-5.16	AVG	Horizontal
3	5400.000	64.73	-7.65	57.08	68.20	-11.12	peak	Horizontal
4	5400.000	55.44	-7.65	47.79	54.00	-6.21	AVG	Horizontal

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

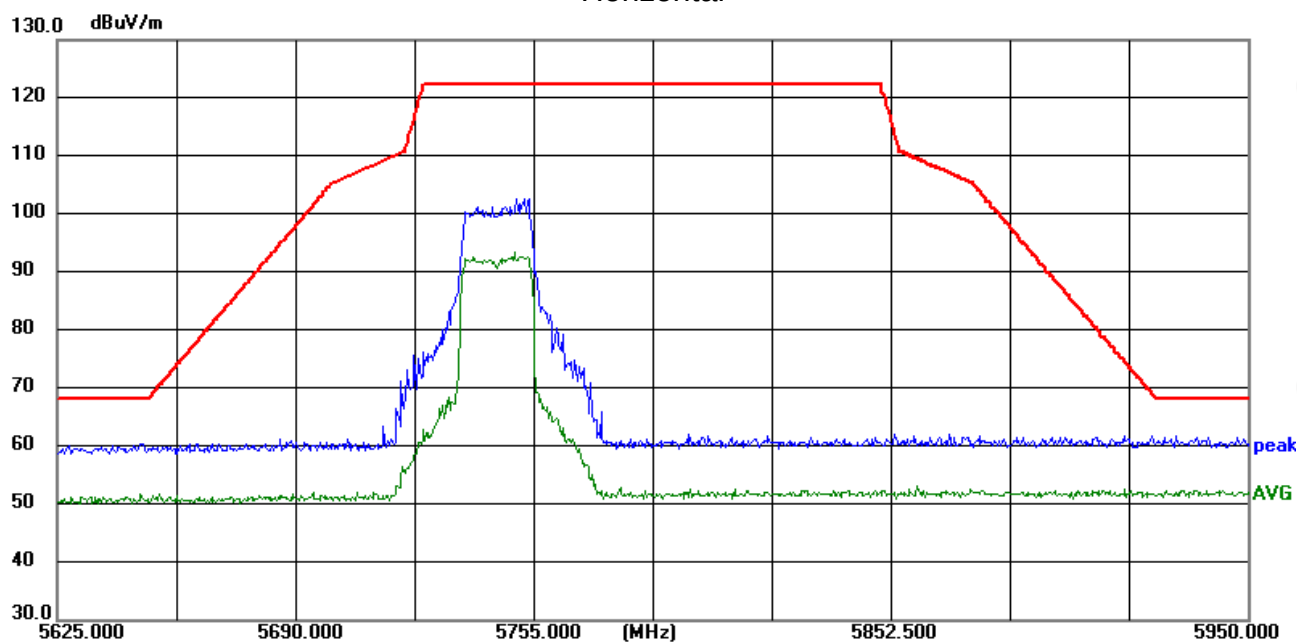


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	5350.000	64.84	-7.67	57.17	68.20	-11.03	peak	Vertical
2	5350.000	55.59	-7.67	47.92	54.00	-6.08	AVG	Vertical
3	5400.000	63.68	-7.65	56.03	68.20	-12.17	peak	Vertical
4 *	5400.000	56.32	-7.65	48.67	54.00	-5.33	AVG	Vertical

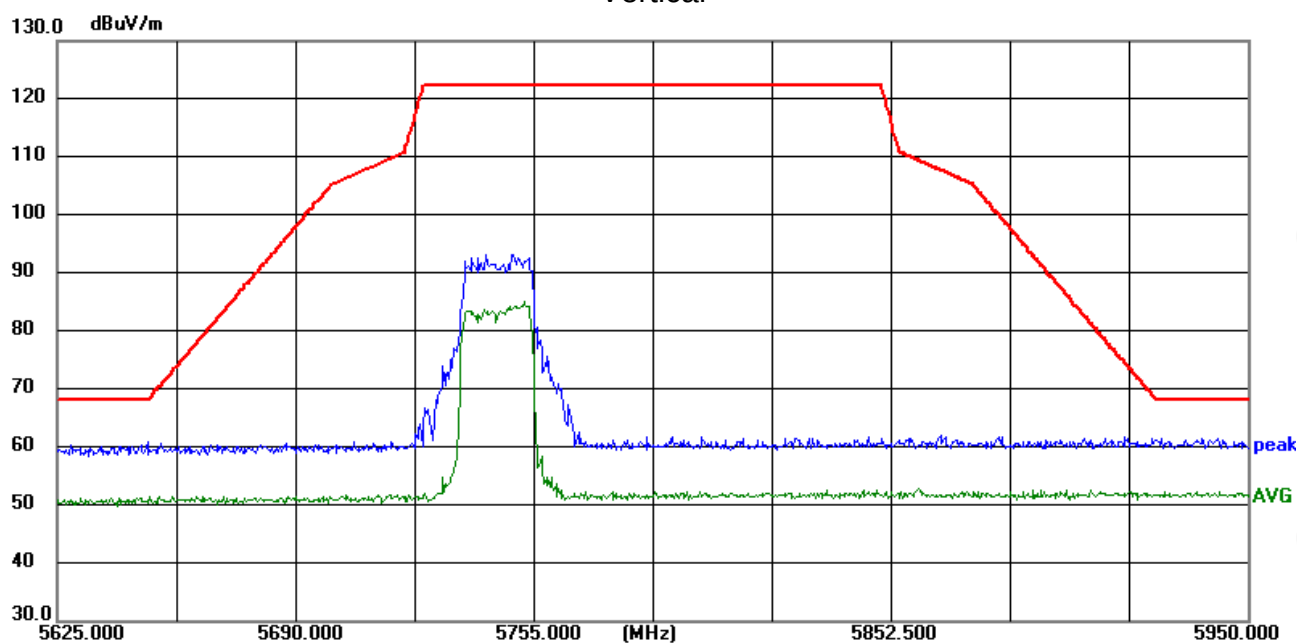
1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

AX20-5745

Horizontal

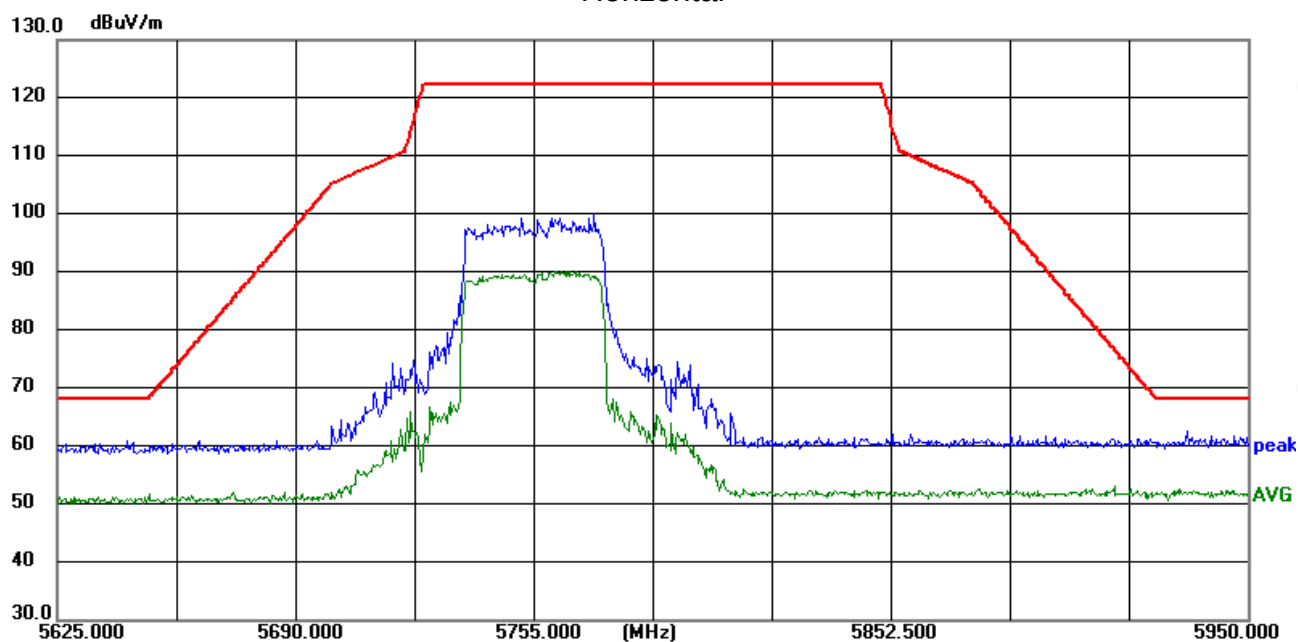


Vertical

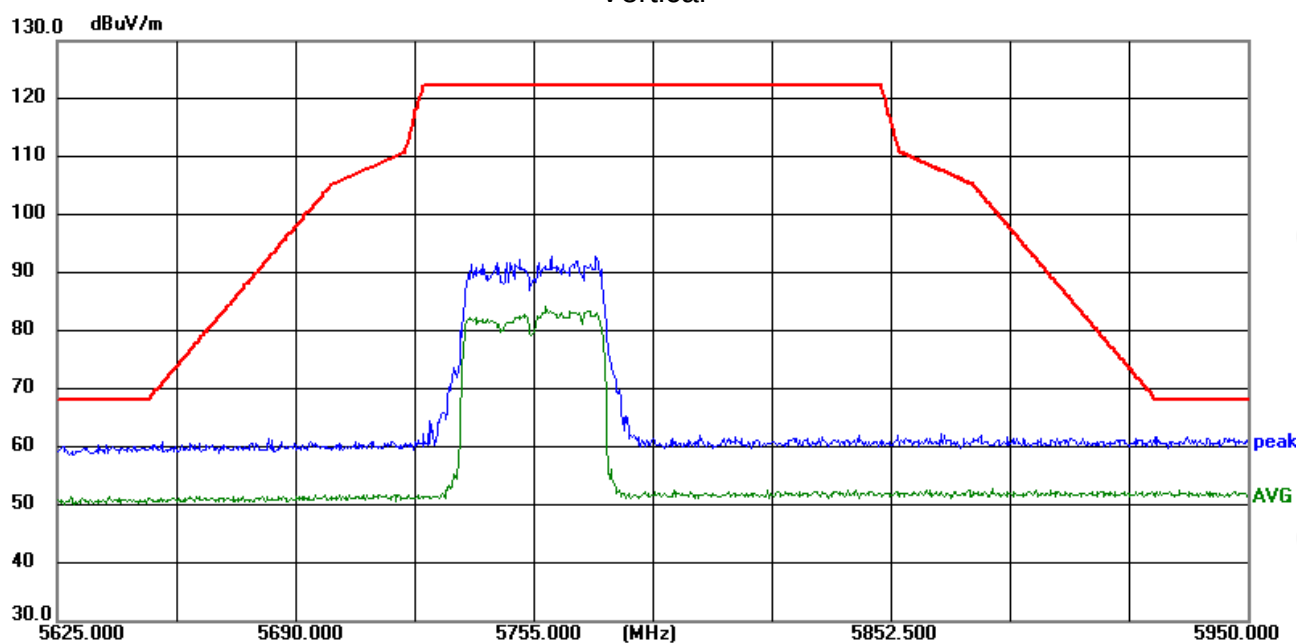


AX40-5755

Horizontal

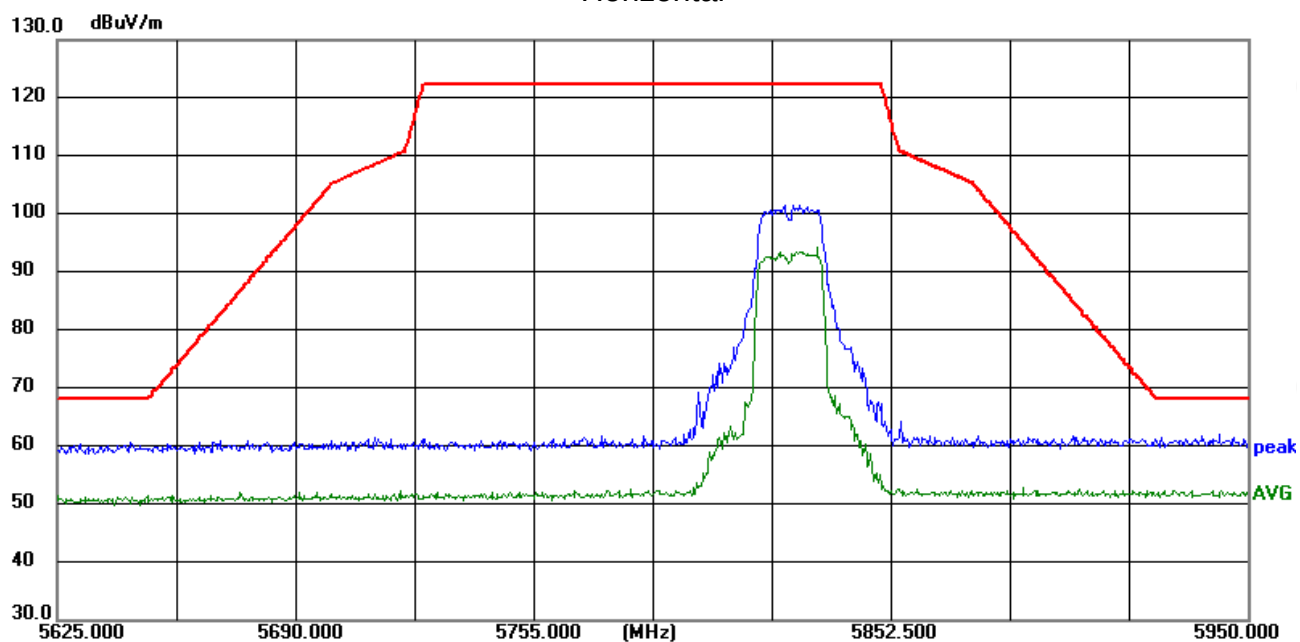


Vertical

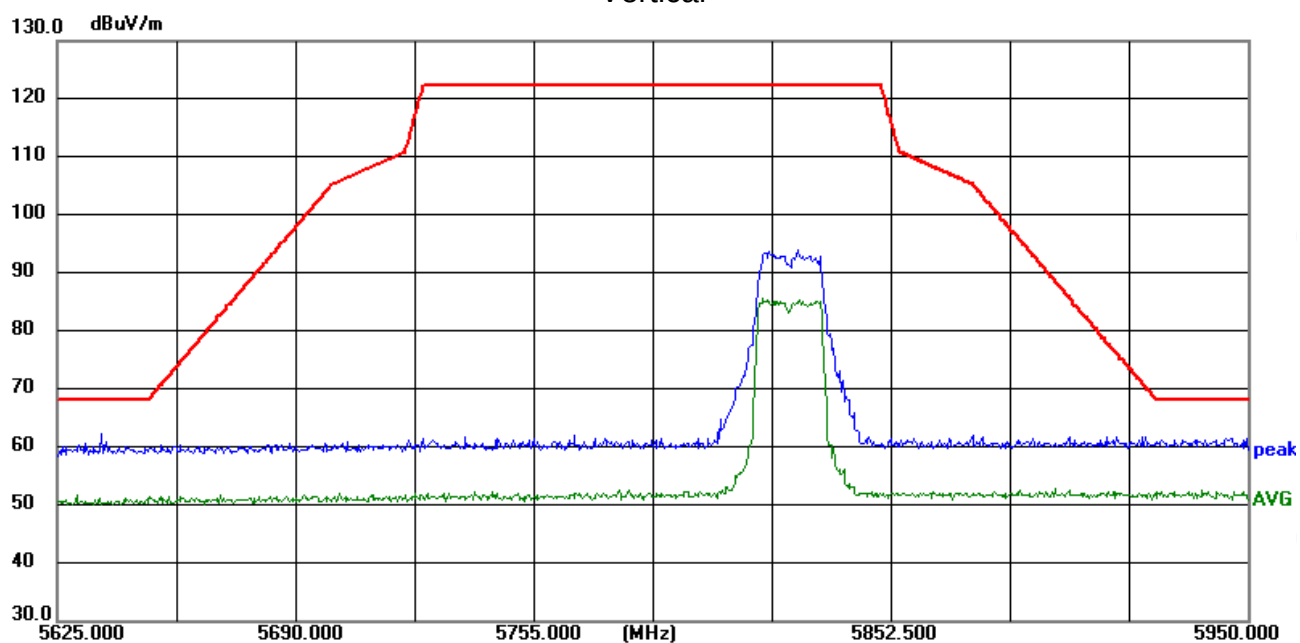


AX20-5825

Horizontal

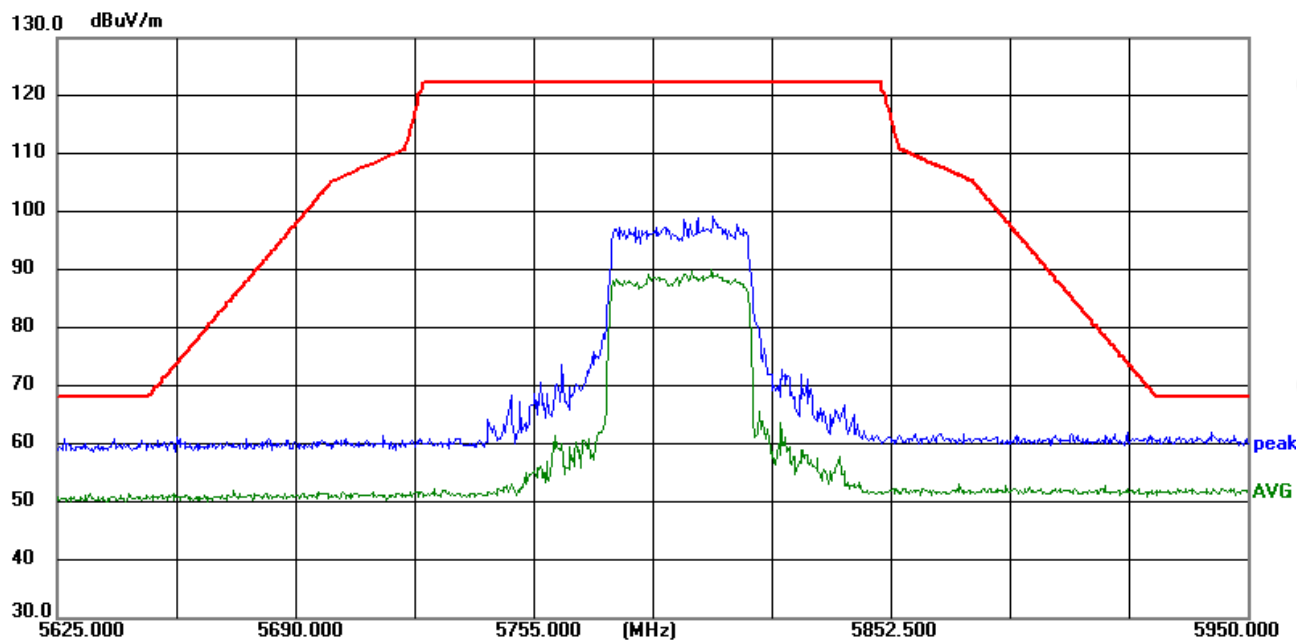


Vertical

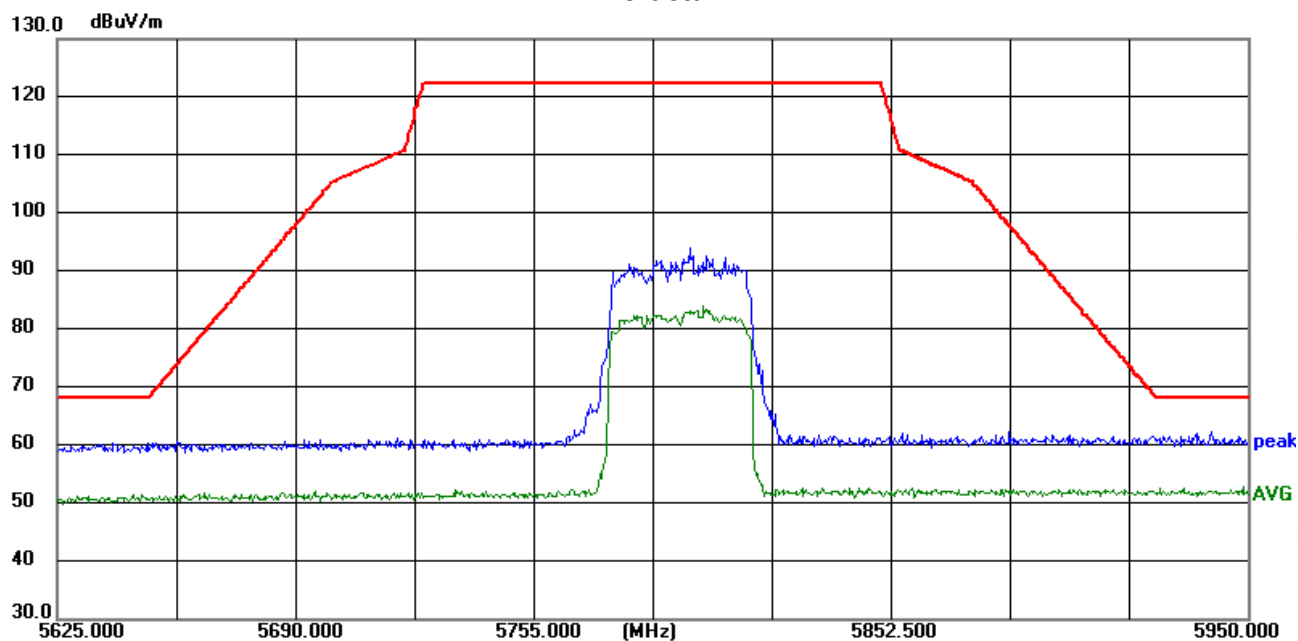


AX40-5795

Horizontal



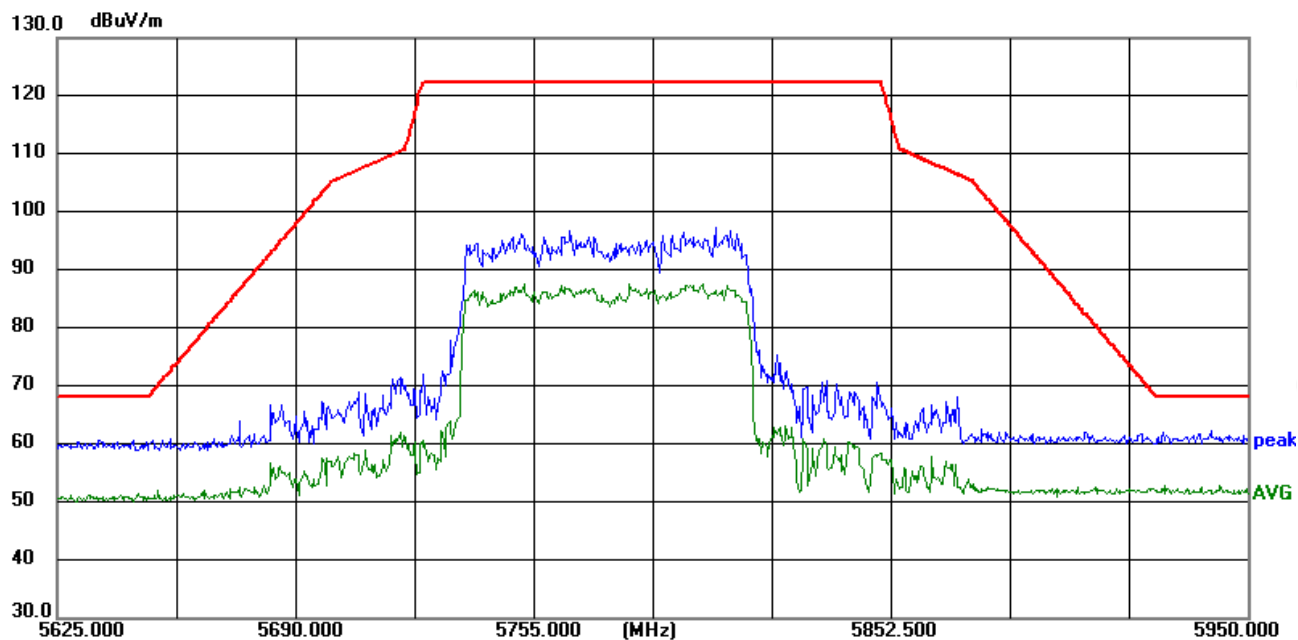
Vertical



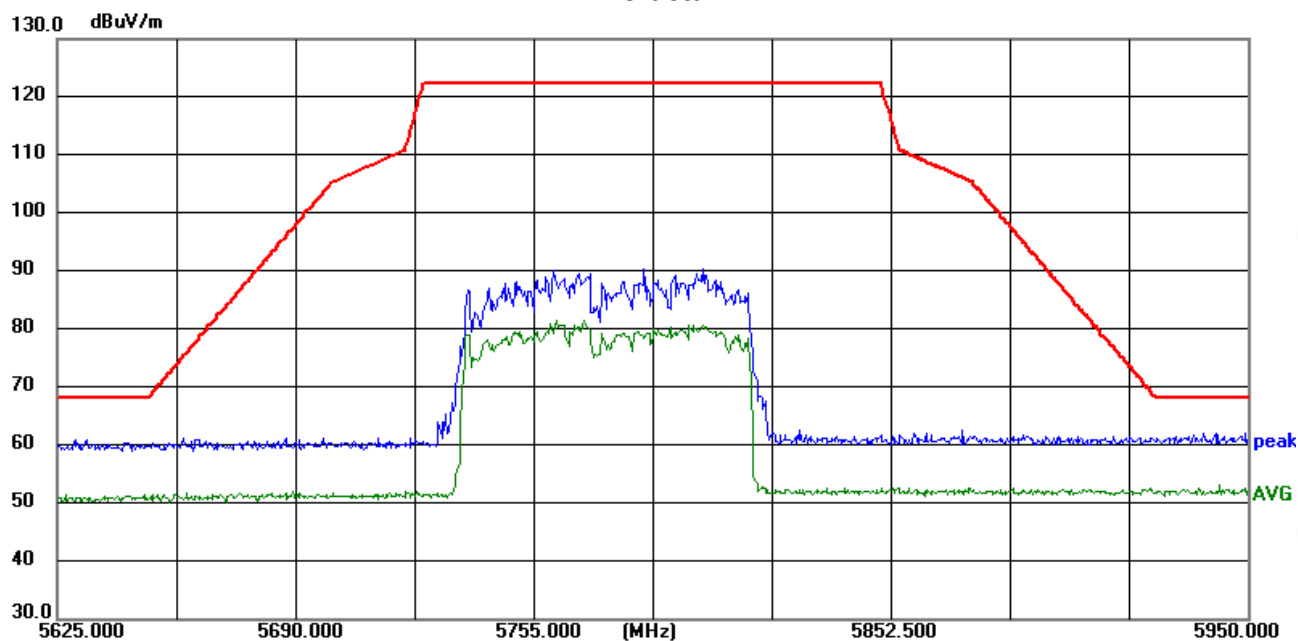
Note: All modulation (802.11a, 802.11n, 802.11ac, 802.11ax) have been tested, only the worst case in 802.11ax be reported.

AX80-5775

Horizontal



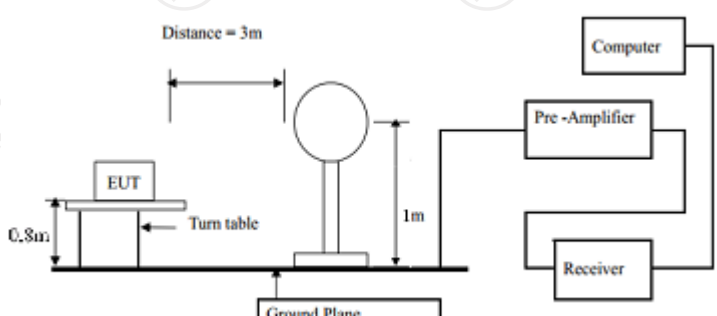
Vertical

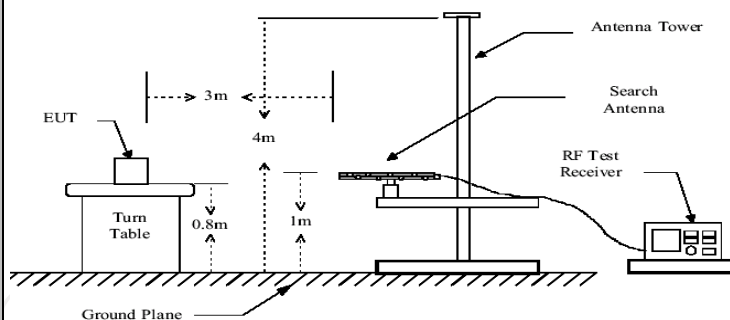


Note: All modulation (802.11a, 802.11n, 802.11ac, 802.11ax) have been tested, only the worst case in 802.11ax be reported.

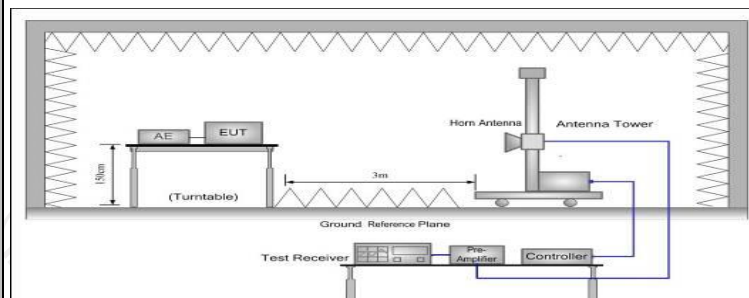
6.8. Unwanted Emissions

6.8.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205				
Test Method:	KDB 789033 D02 v02r01				
Frequency Range:	9kHz to 40GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Operation mode:	Transmitting mode with modulation				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
Peak		1MHz	10Hz	Average Value	
Limit:	Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table, In restricted bands:				
	Frequency		Detector		Limit@3m
	Above 1G		Peak		74dBµV/m
			AVG		54dBµV/m
	Frequency		Field Strength (microvolts/meter)	Measurement Distance (meters)	
	0.009-0.490		2400/F(KHz)	300	
	0.49 -1.705		24000/F(KHz)	3	
	1.705-30		30	30	
	30-88		100	3	
	88-216		150	3	
216-960		200	3		
Above 960		500	3		
Test setup:	In un-restricted bands: 68.2dBuV/m				
	For radiated emissions below 30MHz				
Test setup:					
	30MHz to 1GHz				



Above 1GHz



Test Procedure:

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Test results:

PASS

6.8.2. Test Instruments

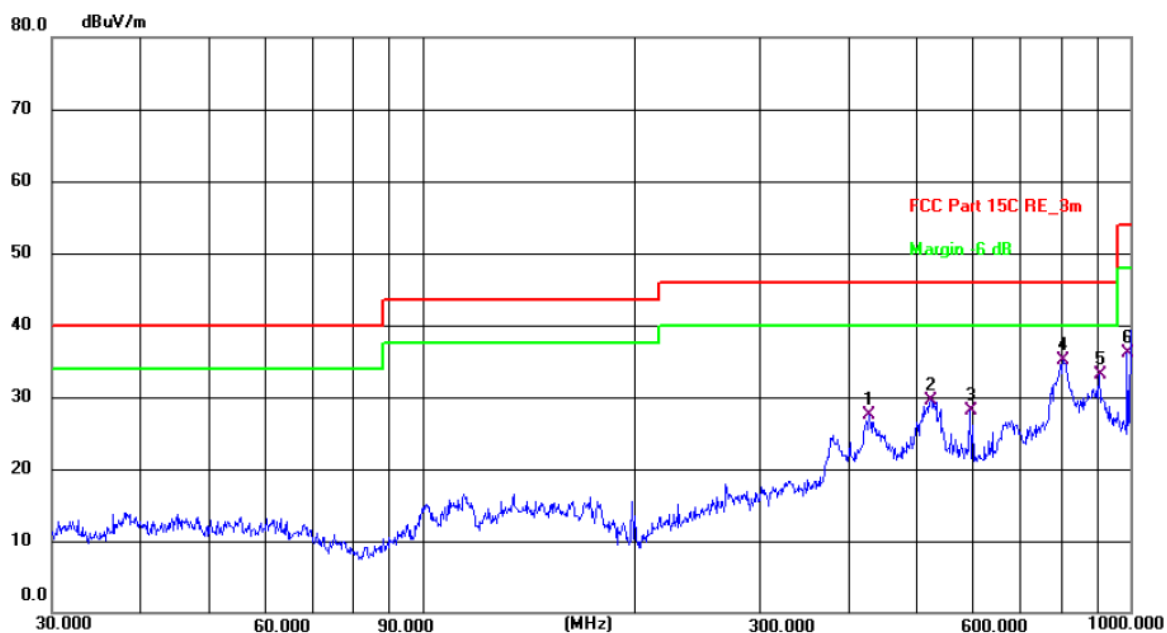
Radiated Emission Test Site (966)					
Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date
EMI Test Receiver	R&S	ESCI7	100529	Jan. 21, 2025	Jan. 20, 2026
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025	Jun. 25, 2026
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Jan. 21, 2025	Jan. 20, 2026
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Apr. 11, 2025	Apr. 10, 2026
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025	Jun. 25, 2026
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 30, 2025	Jun. 29, 2026
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 29, 2025	Jun. 28, 2026
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 29, 2025	Jun. 28, 2026
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Jan. 24, 2025	Jan. 23, 2026
Coaxial cable	SKET	RE-03-D	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-03-M	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-03-L	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-04-D	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-04-M	/	Jun. 27, 2025	Jun. 26, 2026
Coaxial cable	SKET	RE-04-L	/	Jun. 27, 2025	Jun. 26, 2026
Antenna Mast	Keleto	RE-AM	/	/	/
EMI Test Software	EZ EMC	FA-03A2 RE+	1.1.4.2	/	/

6.8.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



Site 3m Anechoic Chamber2

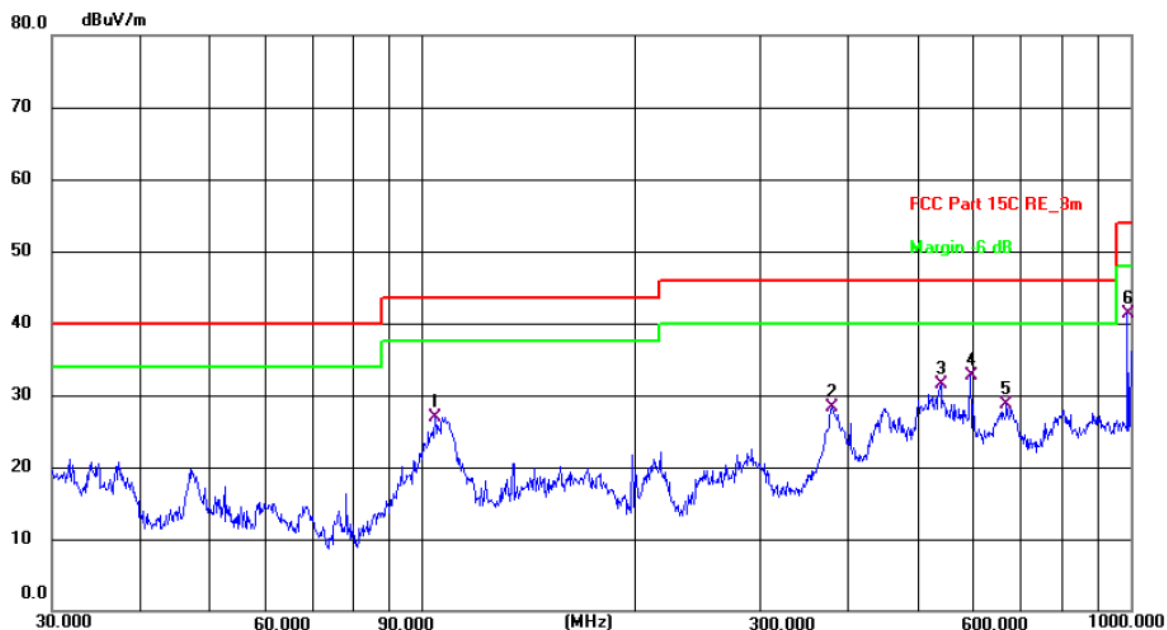
Polarization: **Horizontal**

Temperature: 23.9(C)

Humidity: 46 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	428.9583	41.63	-14.09	27.54	46.00	-18.46	QP	P	
2	523.6352	41.45	-11.96	29.49	46.00	-16.51	QP	P	
3	594.0903	38.49	-10.41	28.08	46.00	-17.92	QP	P	
4 *	805.3084	41.78	-6.66	35.12	46.00	-10.88	QP	P	
5	904.4979	39.19	-6.04	33.15	46.00	-12.85	QP	P	
6	990.4033	41.03	-4.98	36.05	54.00	-17.95	QP	P	

Vertical:



Site 3m Anechoic Chamber2

Polarization: **Vertical**

Temperature: 23.9(C)

Humidity: 46 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	104.5360	47.79	-20.91	26.88	43.50	-16.62	QP	P	
2	379.7475	43.91	-15.61	28.30	46.00	-17.70	QP	P	
3	539.4775	43.35	-11.77	31.58	46.00	-14.42	QP	P	
4	594.0903	43.11	-10.41	32.70	46.00	-13.30	QP	P	
5	668.4351	37.06	-8.45	28.61	46.00	-17.39	QP	P	
6 *	990.4033	46.24	-4.98	41.26	54.00	-12.74	QP	P	

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80), 802.11ax(HE20), 802.11ax(HE40), 802.11ax(HE80)) and the worst case Mode (802.11a 5200MHz) was submitted only.

3. Measurement (dBμV) = Reading level + Correction Factor, correction Factor= Antenna Factor + Cable loss – Pre-amplifier.

Modulation Type: Band 1									
11a CH36: 5180MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10360	H	52.64	---	1.78	54.42	---	68.2	---	-13.78
15540	H	41.59	---	5.21	46.80	---	74	54	-7.2
---	H	---	---	---	---	---	---	---	---
10360	V	55.31	---	1.78	57.09	---	68.2	---	-11.11
15540	V	40.15	---	5.21	45.36	---	74	54	-8.64
---	V	---	---	---	---	---	---	---	---

11a CH40: 5200MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10400	H	56.52	---	1.83	58.35	---	68.2	---	-9.85
15600	H	43.89	---	5.23	49.12	---	74	54	-4.88
---	H	---	---	---	---	---	---	---	---
10400	V	52.32	---	1.83	54.15	---	68.2	---	-14.05
15600	V	43.06	---	5.23	48.29	---	74	54	-5.71
---	V	---	---	---	---	---	---	---	---

11a CH48: 5240MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10480	H	53.80	---	1.85	55.65	---	68.2	---	-12.55
15720	H	42.92	---	5.25	48.17	---	74	54	-5.83
---	H	---	---	---	---	---	---	---	---
10480	V	56.43	---	1.85	58.28	---	68.2	---	-9.92
15720	V	40.96	---	5.25	46.21	---	74	54	-7.79
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH36: 5180MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10360	H	55.45	---	1.78	57.23	---	68.2	---	-10.97
15540	H	42.33	---	5.21	47.54	---	74	54	-6.46
---	H	---	---	---	---	---	---	---	---
10360	V	53.73	---	1.78	55.51	---	68.2	---	-12.69
15540	V	41.75	---	5.21	46.96	---	74	54	-7.04
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH40: 5200MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10400	H	54.30	---	1.83	56.13	---	68.2	---	-12.07
15600	H	40.65	---	5.23	45.88	---	74	54	-8.12
---	H	---	---	---	---	---	---	---	---
10400	V	52.59	---	1.83	54.42	---	68.2	---	-13.78
15600	V	40.83	---	5.23	46.06	---	74	54	-7.94
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH48: 5240MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10480	H	56.66	---	1.85	58.51	---	68.2	---	-9.69
15720	H	42.93	---	5.25	48.18	---	74	54	-5.82
---	H	---	---	---	---	---	---	---	---
10480	V	56.48	---	1.85	58.33	---	68.2	---	-9.87
15720	V	40.94	---	5.25	46.19	---	74	54	-7.81
---	V	---	---	---	---	---	---	---	---

11n(HT40) CH38: 5190MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10380	H	53.23	---	1.8	55.03	---	68.2	---	-13.17
15570	H	41.27	---	5.22	46.49	---	74	54	-7.51
---	H	---	---	---	---	---	---	---	---
10380	V	56.48	---	1.8	58.28	---	68.2	---	-9.92
15570	V	42.75	---	5.22	47.97	---	74	54	-6.03
---	V	---	---	---	---	---	---	---	---

11n(HT40) CH46: 5230MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10460	H	52.79	---	1.85	54.64	---	68.2	---	-13.56
15690	H	40.67	---	5.08	45.75	---	74	54	-8.25
---	H	---	---	---	---	---	---	---	---
10460	V	52.80	---	1.85	54.65	---	68.2	---	-13.55
15690	V	42.90	---	5.08	47.98	---	74	54	-6.02
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH36: 5180MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10360	H	56.55	---	1.78	58.33	---	68.2	---	-9.87
15540	H	42.23	---	5.21	47.44	---	74	54	-6.56
---	H	---	---	---	---	---	---	---	---
10360	V	55.34	---	1.78	57.12	---	68.2	---	-11.08
15540	V	42.82	---	5.21	48.03	---	74	54	-5.97
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH40: 5200MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10400	H	53.24	---	1.83	55.07	---	68.2	---	-13.13
15600	H	40.26	---	5.23	45.49	---	74	54	-8.51
---	H	---	---	---	---	---	---	---	---
10400	V	52.67	---	1.83	54.50	---	68.2	---	-13.70
15600	V	42.30	---	5.23	47.53	---	74	54	-6.47
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH48:5240									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10480	H	54.88	---	1.85	56.73	---	68.2	---	-11.47
15720	H	42.17	---	5.25	47.42	---	74	54	-6.58
---	H	---	---	---	---	---	---	---	---
10480	V	56.12	---	1.85	57.97	---	68.2	---	-10.23
15720	V	40.90	---	5.25	46.15	---	74	54	-7.85
---	V	---	---	---	---	---	---	---	---

11ac(VHT40) CH38:5190									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10380	H	55.31	---	1.8	57.11	---	68.2	---	-11.09
15570	H	40.01	---	5.22	45.23	---	74	54	-8.77
---	H	---	---	---	---	---	---	---	---
10380	V	52.62	---	1.8	54.42	---	68.2	---	-13.78
15570	V	41.82	---	5.22	47.04	---	74	54	-6.96
---	V	---	---	---	---	---	---	---	---

11ac(VHT40) CH46:5230									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10460	H	54.38	---	1.85	56.23	---	68.2	---	-11.97
15690	H	42.27	---	5.08	47.35	---	74	54	-6.65
---	H	---	---	---	---	---	---	---	---
10460	V	52.69	---	1.85	54.54	---	68.2	---	-13.66
15690	V	42.89	---	5.08	47.97	---	74	54	-6.03
---	V	---	---	---	---	---	---	---	---

11ac(VHT80) CH42:5210									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10420	H	52.90	---	1.84	54.74	---	68.2	---	-13.46
15630	H	41.39	---	5.17	46.56	---	74	54	-7.44
---	H	---	---	---	---	---	---	---	---
10420	V	56.73	---	1.84	58.57	---	68.2	---	-9.63
15630	V	42.35	---	5.17	47.52	---	74	54	-6.48
---	V	---	---	---	---	---	---	---	---

11ax(HE20) CH36: 5180MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10360	H	56.84	---	1.78	58.62	---	68.2	---	-9.58
15540	H	41.78	---	5.21	46.99	---	74	54	-7.01
---	H	---	---	---	---	---	---	---	---
10360	V	54.43	---	1.78	56.21	---	68.2	---	-11.99
15540	V	42.98	---	5.21	48.19	---	74	54	-5.81
---	V	---	---	---	---	---	---	---	---

11ax(HE20) CH40: 5200MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10400	H	55.40	---	1.83	57.23	---	68.2	---	-10.97
15600	H	42.58	---	5.23	47.81	---	74	54	-6.19
---	H	---	---	---	---	---	---	---	---
10400	V	52.88	---	1.83	54.71	---	68.2	---	-13.49
15600	V	42.82	---	5.23	48.05	---	74	54	-5.95
---	V	---	---	---	---	---	---	---	---

11ax(HE20) CH48:5240									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10480	H	56.06	---	1.85	57.91	---	68.2	---	-10.29
15720	H	43.06	---	5.25	48.31	---	74	54	-5.69
---	H	---	---	---	---	---	---	---	---
10480	V	53.78	---	1.85	55.63	---	68.2	---	-12.57
15720	V	43.82	---	5.25	49.07	---	74	54	-4.93
---	V	---	---	---	---	---	---	---	---

11ax(HE40) CH38:5190									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10380	H	54.04	---	1.8	55.84	---	68.2	---	-12.36
15570	H	42.74	---	5.22	47.96	---	74	54	-6.04
---	H	---	---	---	---	---	---	---	---
10380	V	52.71	---	1.8	54.51	---	68.2	---	-13.69
15570	V	40.16	---	5.22	45.38	---	74	54	-8.62
---	V	---	---	---	---	---	---	---	---

11ax(HE40) CH46:5230									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10460	H	54.42	---	1.85	56.27	---	68.2	---	-11.93
15690	H	41.70	---	5.08	46.78	---	74	54	-7.22
---	H	---	---	---	---	---	---	---	---
10460	V	55.69	---	1.85	57.54	---	68.2	---	-10.66
15690	V	41.93	---	5.08	47.01	---	74	54	-6.99
---	V	---	---	---	---	---	---	---	---

11ax(HE80) CH42:5210									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
10460	H	55.81	---	1.84	57.65	---	68.2	---	-10.55
15690	H	42.21	---	5.17	47.38	---	74	54	-6.62
---	H	---	---	---	---	---	---	---	---
10460	V	52.86	---	1.84	54.70	---	68.2	---	-13.50
15690	V	41.70	---	5.17	46.87	---	74	54	-7.13
---	V	---	---	---	---	---	---	---	---

Note:

1. *Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier*
2. *Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
4. *Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.*
5. *Data of measurement shown “---“in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.*

Modulation Type: Band 3									
11a CH149: 5745MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11490	H	44.54	---	2.48	47.02	---	74	54	-6.98
17235	H	51.55	---	6.50	58.05	---	68.2	---	-10.15
---	H	---	---	---	---	---	---	---	---
11490	V	44.39	---	2.48	46.87	---	74	54	-7.13
17235	V	51.41	---	6.50	57.91	---	68.2	---	-10.29
---	V	---	---	---	---	---	---	---	---

11a CH157: 5785MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	43.13	---	2.42	45.55	---	74	54	-8.45
17355	H	51.67	---	7.03	58.70	---	68.2	---	-9.50
---	H	---	---	---	---	---	---	---	---
11570	V	43.28	---	2.42	45.70	---	74	54	-8.30
17355	V	51.30	---	7.03	58.33	---	68.2	---	-9.87
---	V	---	---	---	---	---	---	---	---

11a CH165: 5825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	43.06	---	2.41	45.47	---	74	54	-8.53
17475	H	50.21	---	7.41	57.62	---	68.2	---	-10.58
---	H	---	---	---	---	---	---	---	---
11650	V	42.92	---	2.41	45.33	---	74	54	-8.67
17475	V	50.18	---	7.41	57.59	---	68.2	---	-10.61
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH149: 5745MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11490	H	43.16	---	2.48	45.64	---	74	54	-8.36
17235	H	51.21	---	6.50	57.71	---	68.2	---	-10.49
---	H	---	---	---	---	---	---	---	---
11490	V	42.39	---	2.48	44.87	---	74	54	-9.13
17235	V	51.12	---	6.50	57.62	---	68.2	---	-10.58
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH157: 5785MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	42.58	---	2.42	45.00	---	74	54	-9.00
17355	H	50.38	---	7.03	57.41	---	68.2	---	-10.79
---	H	---	---	---	---	---	---	---	---
11570	V	41.83	---	2.42	44.25	---	74	54	-9.75
17355	V	50.27	---	7.03	57.30	---	68.2	---	-10.90
---	V	---	---	---	---	---	---	---	---

11n(HT20) CH165: 5825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	42.20	---	2.41	44.61	---	74	54	-9.39
17475	H	50.62	---	7.41	58.03	---	68.2	---	-10.17
---	H	---	---	---	---	---	---	---	---
11650	V	41.85	---	2.41	44.26	---	74	54	-9.74
17475	V	50.39	---	7.41	57.80	---	68.2	---	-10.40
---	V	---	---	---	---	---	---	---	---

11n(HT40) CH151: 5755MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11510	H	41.84	---	2.47	44.31	---	74	54	-9.69
17265	H	52.42	---	6.62	59.04	---	68.2	---	-9.16
---	H	---	---	---	---	---	---	---	---
11510	V	41.36	---	2.47	43.83	---	74	54	-10.17
17265	V	52.29	---	6.62	58.91	---	68.2	---	-9.29
---	V	---	---	---	---	---	---	---	---

11n(HT40) CH159: 5795MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11590	H	42.31	---	2.40	44.71	---	74	54	-9.29
17385	H	50.77	---	7.15	57.92	---	68.2	---	-10.28
---	H	---	---	---	---	---	---	---	---
11590	V	42.13	---	2.40	44.53	---	74	54	-9.47
17385	V	50.65	---	7.15	57.80	---	68.2	---	-10.40
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH149: 5745MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11490	H	40.76	---	2.48	43.24	---	74	54	-10.76
17235	H	50.41	---	6.50	56.91	---	68.2	---	-11.29
---	H	---	---	---	---	---	---	---	---
11490	V	40.60	---	2.48	43.08	---	74	54	-10.92
17235	V	50.18	---	6.50	56.68	---	68.2	---	-11.52
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH157: 5785MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	40.52	---	2.42	42.94	---	74	54	-11.06
17355	H	50.34	---	7.03	57.37	---	68.2	---	-10.83
---	H	---	---	---	---	---	---	---	---
11570	V	40.26	---	2.42	42.68	---	74	54	-11.32
17355	V	50.03	---	7.03	57.06	---	68.2	---	-11.14
---	V	---	---	---	---	---	---	---	---

11ac(VHT20) CH165: 5825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	42.29	---	2.41	44.70	---	74	54	-9.30
17475	H	52.57	---	7.41	59.98	---	68.2	---	-8.22
---	H	---	---	---	---	---	---	---	---
11650	V	41.90	---	2.41	44.31	---	74	54	-9.69
17475	V	52.34	---	7.41	59.75	---	68.2	---	-8.45
---	V	---	---	---	---	---	---	---	---

11ac(VHT40) CH151: 5755MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11510	H	40.42	---	2.47	42.89	---	74	54	-11.11
17265	H	50.25	---	6.62	56.87	---	68.2	---	-11.33
---	H	---	---	---	---	---	---	---	---
11510	V	40.36	---	2.47	42.83	---	74	54	-11.17
17265	V	50.17	---	6.62	56.79	---	68.2	---	-11.41
---	V	---	---	---	---	---	---	---	---

11ac(VHT40) CH159: 5795MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11590	H	41.35	---	2.40	43.75	---	74	54	-10.25
17385	H	51.33	---	7.15	58.48	---	68.2	---	-9.72
---	H	---	---	---	---	---	---	---	---
11590	V	41.09	---	2.40	43.49	---	74	54	-10.51
17385	V	51.24	---	7.15	58.39	---	68.2	---	-9.81
---	V	---	---	---	---	---	---	---	---

11ac(VHT80) CH155: 5775MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11550	H	44.85	---	2.44	47.29	---	74	54	-6.71
17325	H	38.32	---	6.89	45.21	---	68.2	---	-22.99
---	H	---	---	---	---	---	---	---	---
11550	V	44.98	---	2.44	47.42	---	74	54	-6.58
17325	V	38.24	---	6.89	45.13	---	68.2	---	-23.07
---	V	---	---	---	---	---	---	---	---

11ax(HE20) CH149: 5745MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11490	H	41.21	---	2.48	43.69	---	74	54	-10.31
17235	H	51.72	---	6.50	58.22	---	68.2	---	-9.98
---	H	---	---	---	---	---	---	---	---
11490	V	41.15	---	2.48	43.63	---	74	54	-10.37
17235	V	51.38	---	6.50	57.88	---	68.2	---	-10.32
---	V	---	---	---	---	---	---	---	---

11ax(HE20) CH157: 5785MHz

Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	42.46	---	2.42	44.88	---	74	54	-9.12
17355	H	52.31	---	7.03	59.34	---	68.2	---	-8.86
---	H	---	---	---	---	---	---	---	---
11570	V	42.24	---	2.42	44.66	---	74	54	-9.34
17355	V	52.42	---	7.03	59.45	---	68.2	---	-8.75
---	V	---	---	---	---	---	---	---	---

11ax(HE20) CH165: 5825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	40.44	---	2.41	42.85	---	74	54	-11.15
17475	H	50.95	---	7.41	58.36	---	68.2	---	-9.84
---	H	---	---	---	---	---	---	---	---
11650	V	40.26	---	2.41	42.67	---	74	54	-11.33
17475	V	50.58	---	7.41	57.99	---	68.2	---	-10.21
---	V	---	---	---	---	---	---	---	---

11ax(HE40) CH151: 5755MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11510	H	41.63	---	2.47	44.10	---	74	54	-9.90
17265	H	52.30	---	6.62	58.92	---	68.2	---	-9.28
---	H	---	---	---	---	---	---	---	---
11510	V	41.38	---	2.47	43.85	---	74	54	-10.15
17265	V	52.26	---	6.62	58.88	---	68.2	---	-9.32
---	V	---	---	---	---	---	---	---	---

11ax(HE40) CH159: 5795MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11590	H	40.59	---	2.40	42.99	---	74	54	-11.01
17385	H	50.47	---	7.15	57.62	---	68.2	---	-10.58
---	H	---	---	---	---	---	---	---	---
11590	V	40.33	---	2.40	42.73	---	74	54	-11.27
17385	V	50.11	---	7.15	57.26	---	68.2	---	-10.94
---	V	---	---	---	---	---	---	---	---

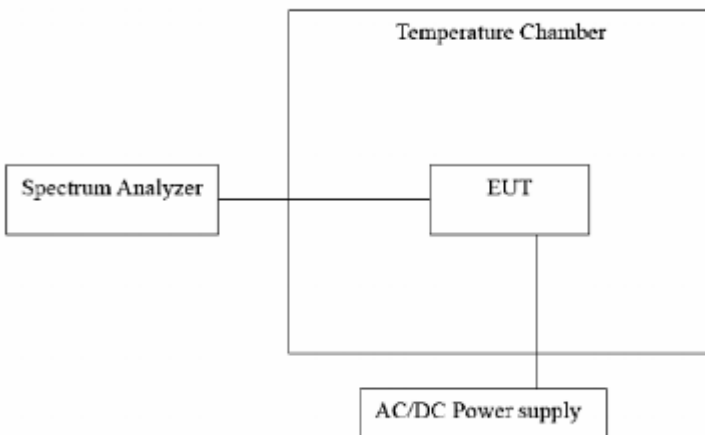
11ax(HE80) CH155: 5775MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11550	H	44.83	---	2.44	47.27	---	74	54	-6.73
17325	H	38.12	---	6.89	45.01	---	68.2	---	-23.19
---	H	---	---	---	---	---	---	---	---
11550	V	45.05	---	2.44	47.49	---	74	54	-6.51
17325	V	38.67	---	6.89	45.56	---	68.2	---	-22.64
---	V	---	---	---	---	---	---	---	---

Note:

1. *Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier*
2. *Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
4. *Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.*
5. *Data of measurement shown “---”in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.*

6.9. Frequency Stability Measurement

6.9.1. Test Specification

Test Requirement:	FCC Part15 Section 15.407(g) &Part2 J Section 2.1055
Test Method:	ANSI C63.10:2020
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 45 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
Test Setup:	 <pre> graph LR SA[Spectrum Analyzer] --- TC[Temperature Chamber] subgraph TC [Temperature Chamber] EUT[EUT] end P[AC/DC Power supply] --- EUT </pre>
Test Procedure:	The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
Test Result:	PASS

6.9.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025	Jun. 25, 2026
DC power supply	Kingrang	KR3005K	/	Jun. 26, 2025	Jun. 25, 2026
Programable temprature and humidity chamber	JQ	JQ-2000	510101234	Jun. 26, 2025	Jun. 25, 2026

Appendix A: Test Result of Conducted Test

1. Duty Cycle

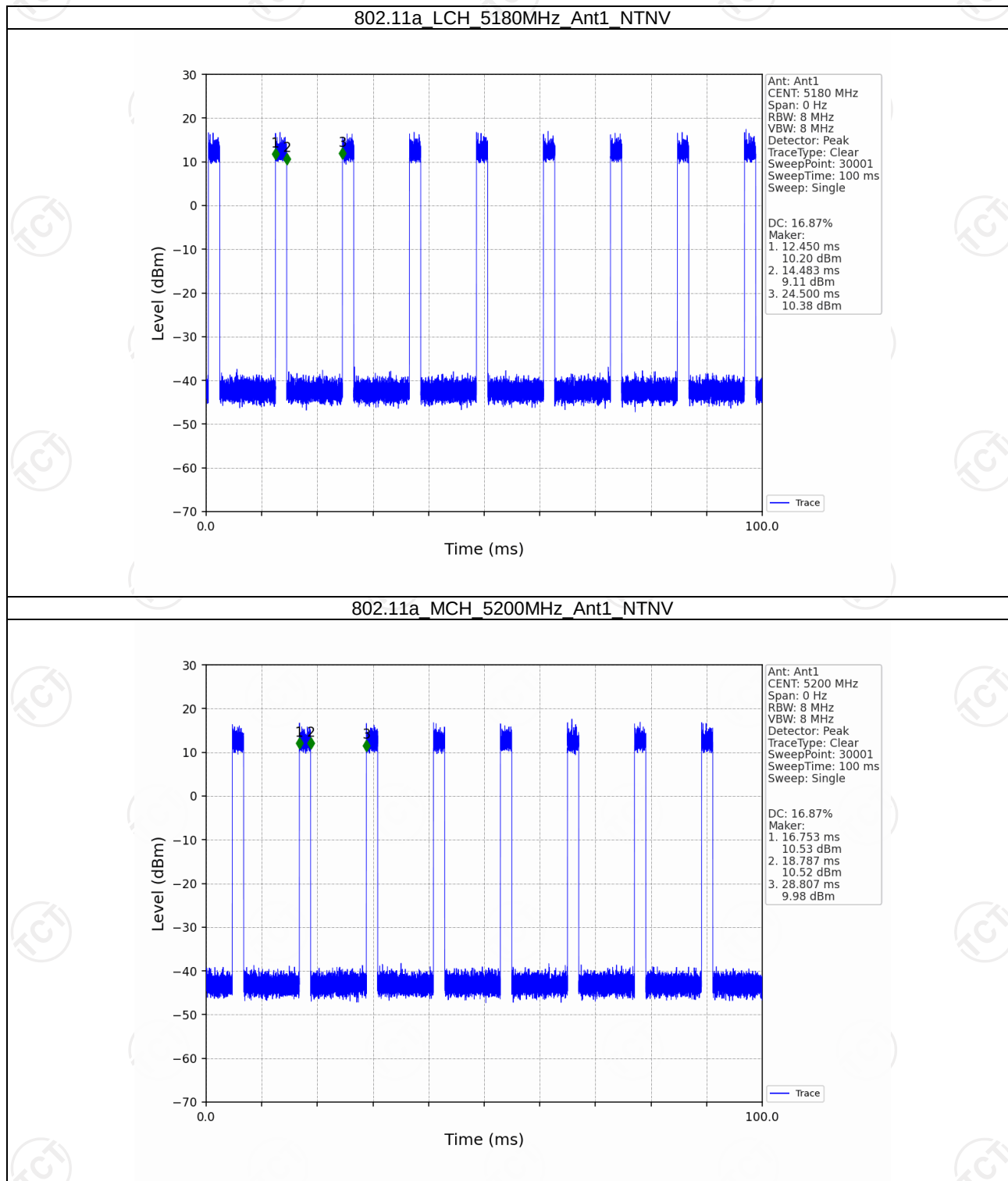
1.1 Test Result

1.1.1 Ant1

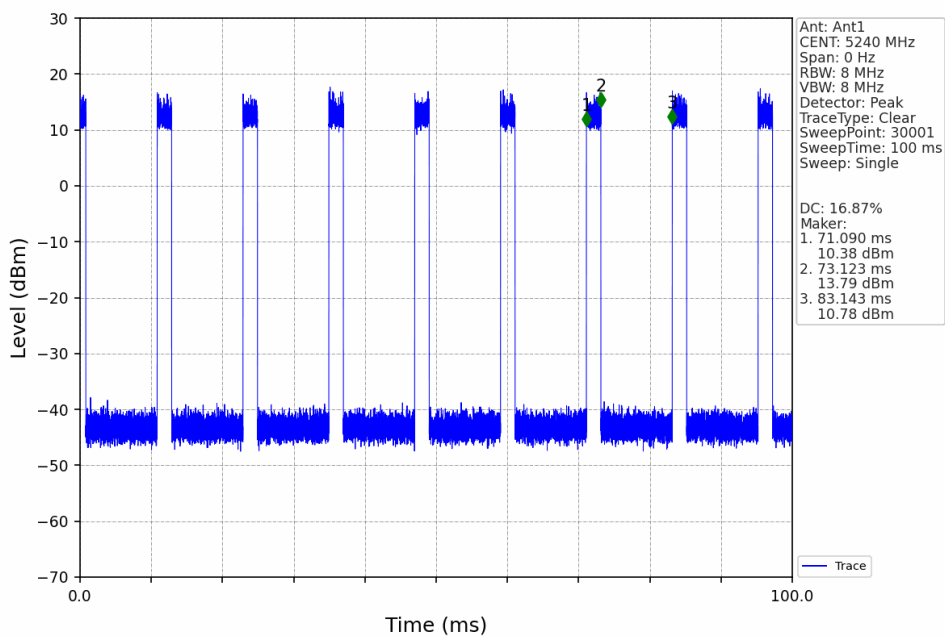
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.033	12.050	16.87	7.73	0.03
		5200	/	/	2.034	12.054	16.87	7.73	0.03
		5240	/	/	2.033	12.053	16.87	7.73	0.03
		5745	/	/	2.033	12.086	16.82	7.74	0.08
		5785	/	/	2.033	12.050	16.87	7.73	0.03
		5825	/	/	2.033	12.053	16.87	7.73	0.02
802.11n (HT20)	SISO	5180	/	/	1.893	11.917	15.88	7.99	0.03
		5200	/	/	1.894	11.914	15.90	7.99	0.00
		5240	/	/	1.893	11.917	15.88	7.99	0.03
		5745	/	/	1.894	11.917	15.89	7.99	0.01
		5785	/	/	1.894	11.914	15.90	7.99	0.03
		5825	/	/	1.893	11.913	15.89	7.99	0.03
802.11n (HT40)	SISO	5190	/	/	0.933	10.953	8.52	10.70	0.03
		5230	/	/	0.933	10.953	8.52	10.70	0.01
		5755	/	/	0.933	11.177	8.35	10.78	0.18
		5795	/	/	0.934	10.954	8.53	10.69	0.03
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.920	15.94	7.98	0.03
		5200	/	/	1.900	11.923	15.94	7.98	0.03
		5240	/	/	1.900	11.924	15.93	7.98	0.03
		5745	/	/	1.900	11.917	15.94	7.97	0.03
		5785	/	/	1.900	11.916	15.94	7.97	0.03
		5825	/	/	1.900	11.920	15.94	7.98	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.937	10.960	8.55	10.68	0.00
		5230	/	/	0.937	10.954	8.55	10.68	0.03
		5755	/	/	0.937	10.957	8.55	10.68	0.03
		5795	/	/	0.937	10.957	8.55	10.68	0.03
802.11ac (VHT80)	SISO	5210	/	/	0.457	10.477	4.36	13.60	0.03
		5775	/	/	0.456	10.476	4.35	13.61	0.03
802.11ax (HEW20)	SISO	5180	SU	/	1.720	11.740	14.65	8.34	0.02
		5200	SU	/	1.720	11.737	14.65	8.34	0.02
		5240	SU	/	1.720	11.743	14.65	8.34	0.03
		5745	SU	/	1.723	11.983	14.38	8.42	0.30
		5785	SU	/	1.720	11.743	14.65	8.34	0.03
		5825	SU	/	1.723	11.743	14.67	8.33	0.00
802.11ax (HEW40)	SISO	5190	SU	/	0.897	10.920	8.21	10.85	0.00
		5230	SU	/	0.897	10.917	8.22	10.85	0.03
		5755	SU	/	0.896	10.920	8.21	10.86	0.01
		5795	SU	/	0.896	10.916	8.21	10.86	0.00
802.11ax (HEW80)	SISO	5210	SU	/	0.463	10.487	4.41	13.55	0.03
		5775	SU	/	0.464	10.484	4.43	13.54	0.03

1.2 Test Graph

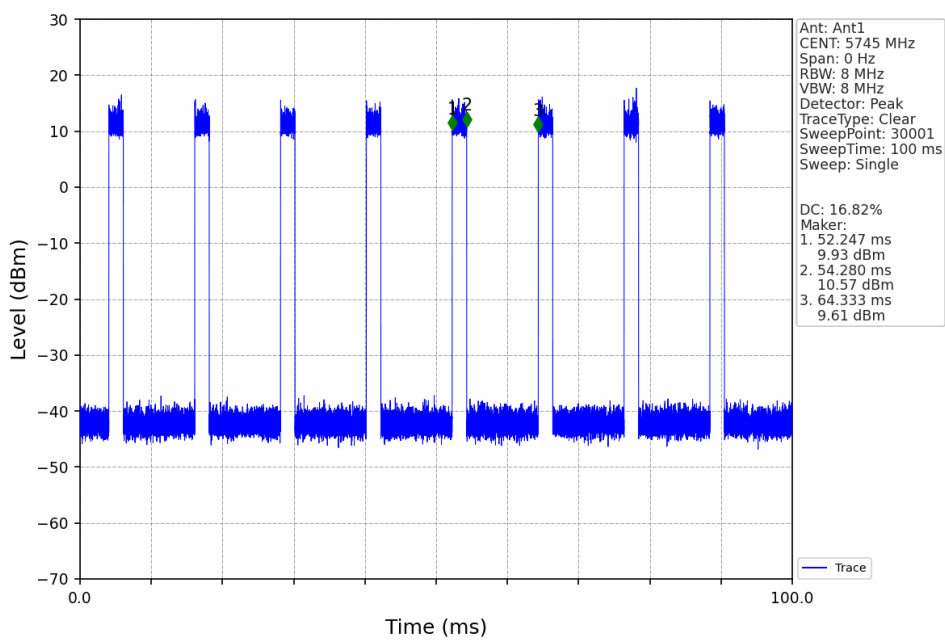
1.2.1 Ant1



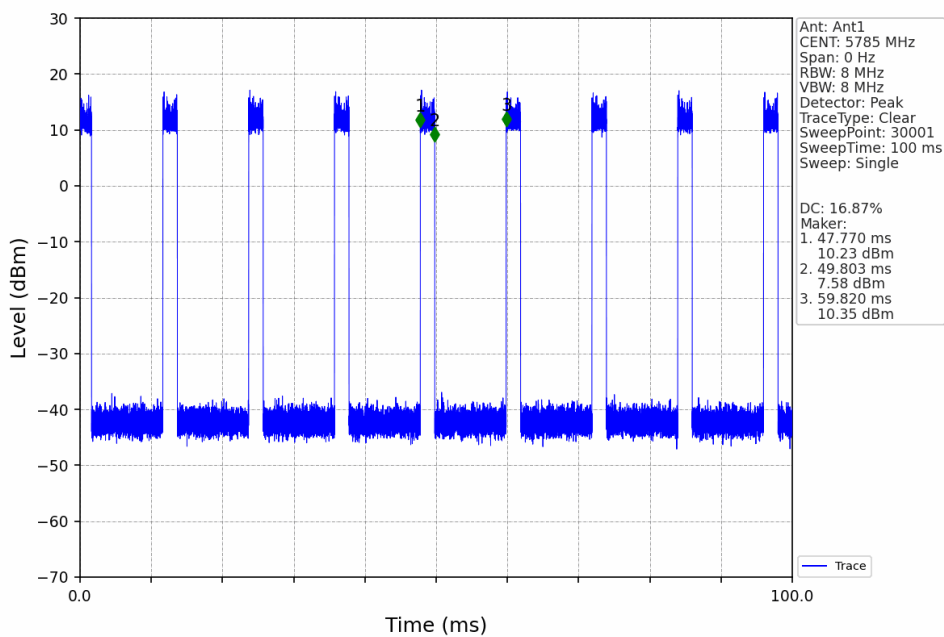
802.11a HCH 5240MHz Ant1 NTNV



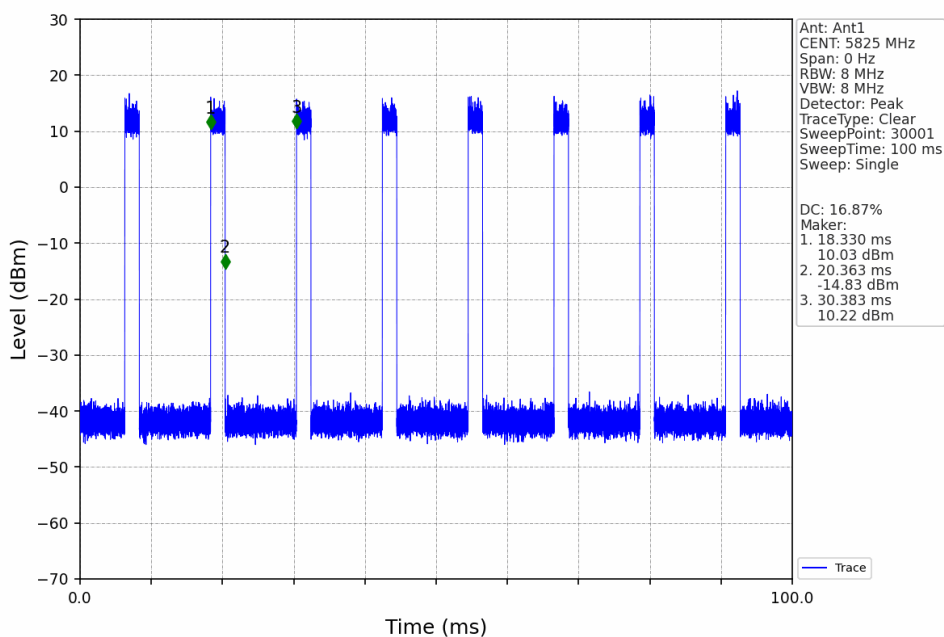
802.11a LCH 5745MHz Ant1 NTNV



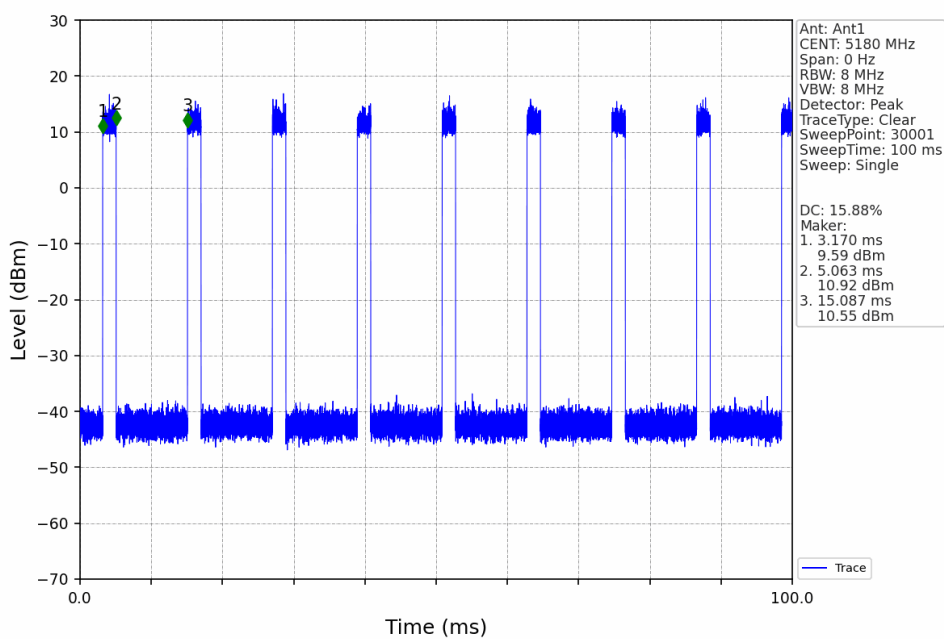
802.11a MCH 5785MHz Ant1 NTN



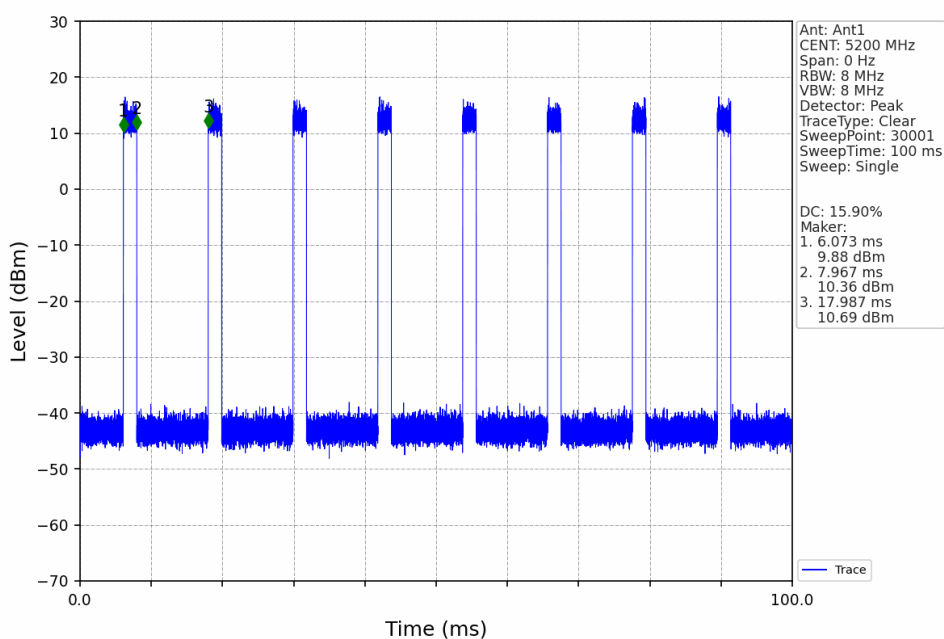
802.11a HCH 5825MHz Ant1 NTN



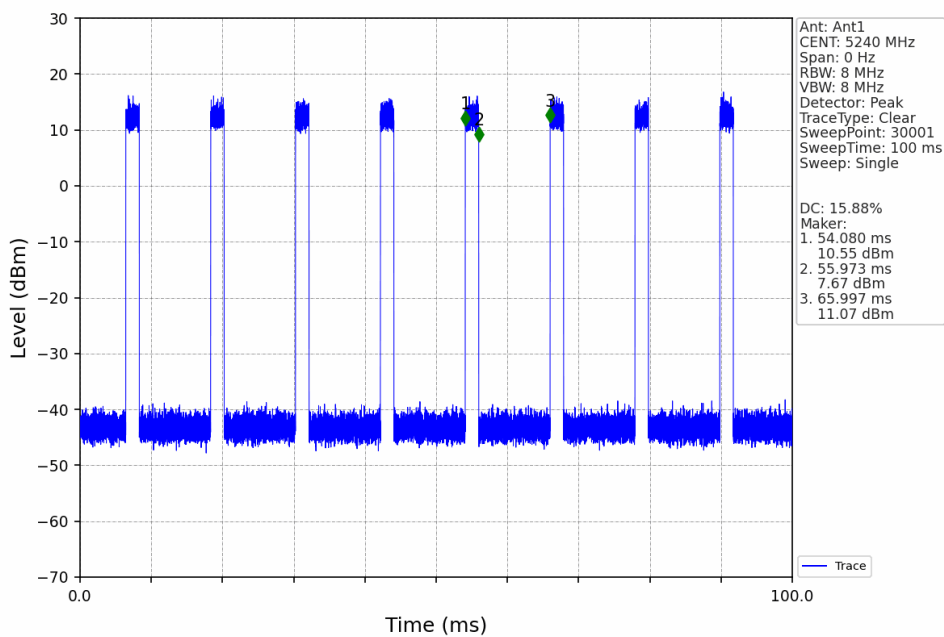
802.11n(HT20) LCH 5180MHz_Ant1_NTNV



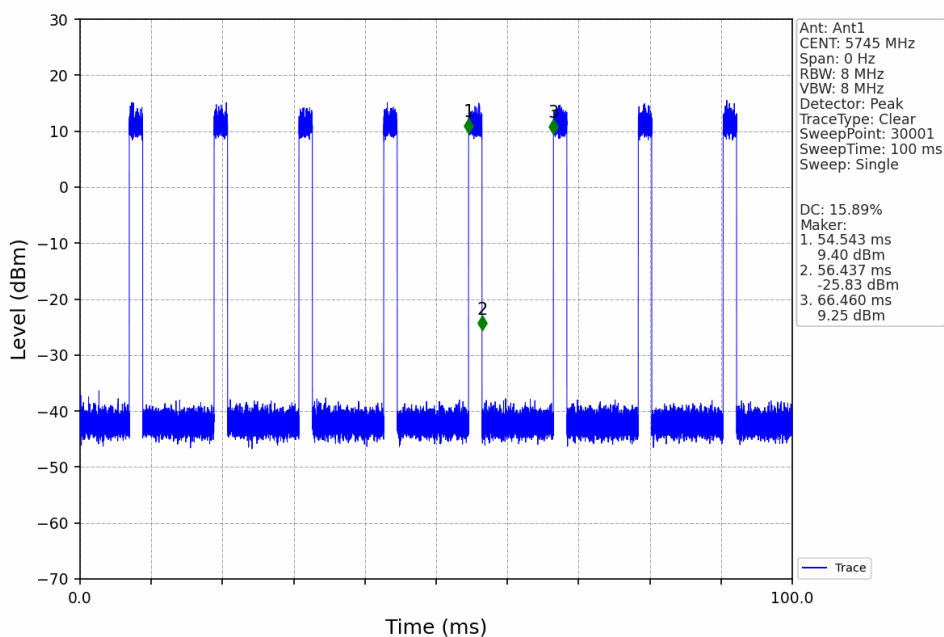
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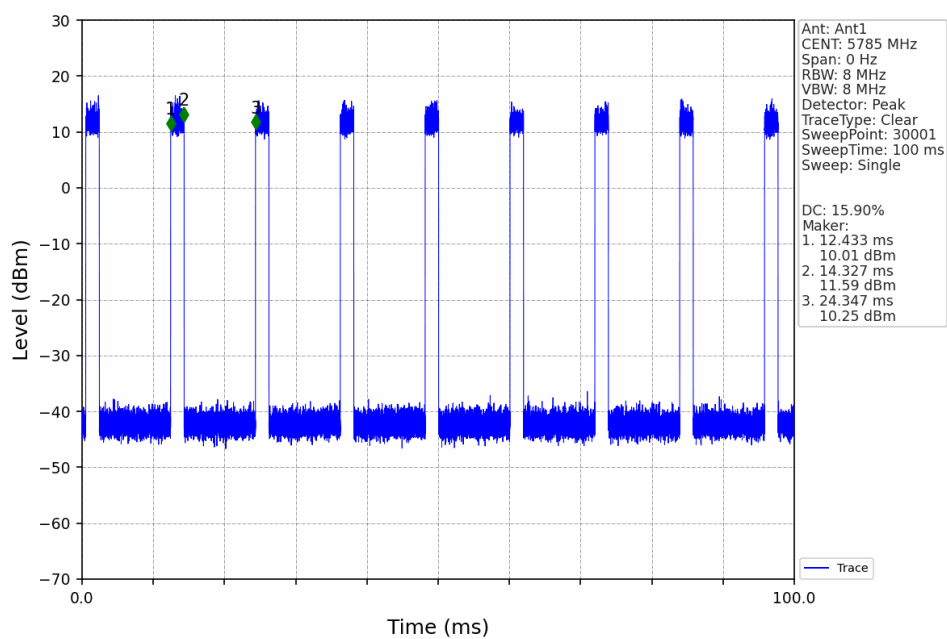
802.11n(HT20) HCH 5240MHz Ant1_NTNV



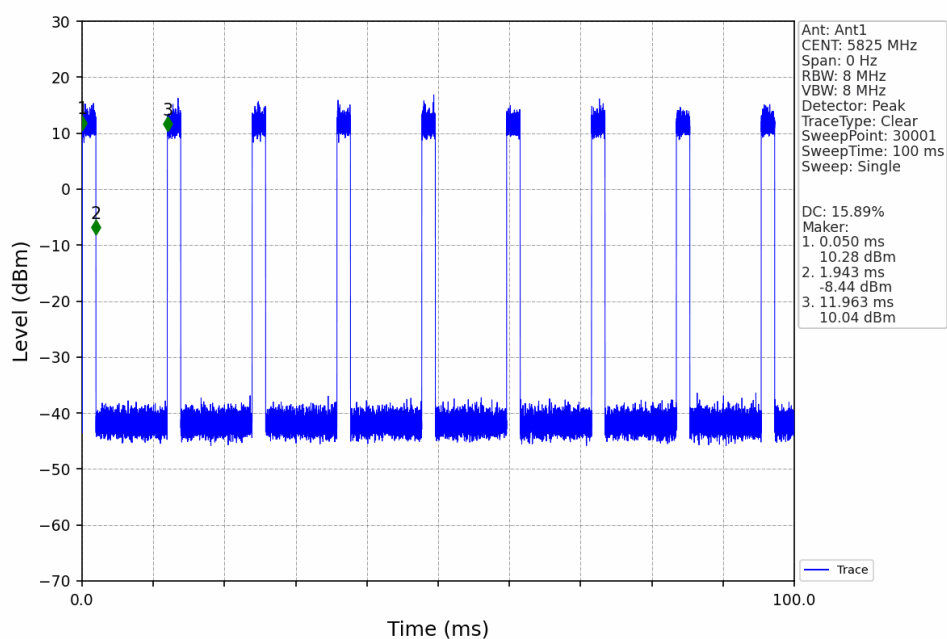
802.11n(HT20) LCH 5745MHz Ant1_NTNV



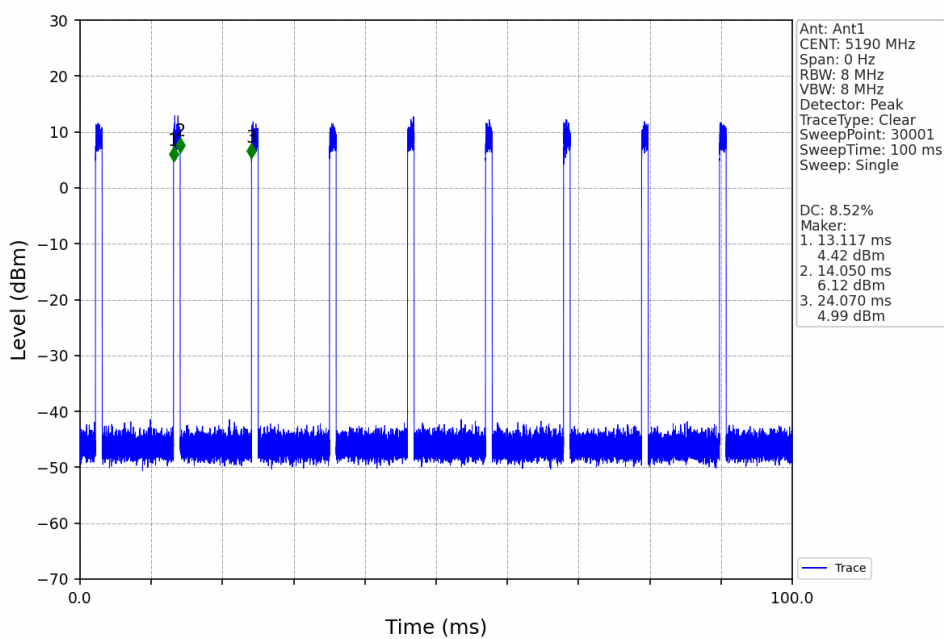
802.11n(HT20) MCH 5785MHz Ant1 NTN



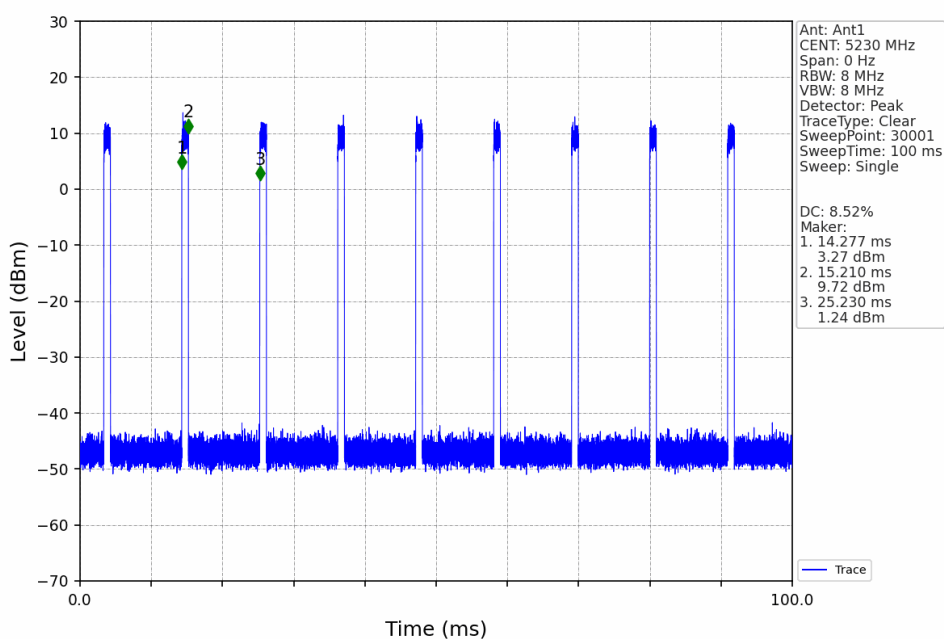
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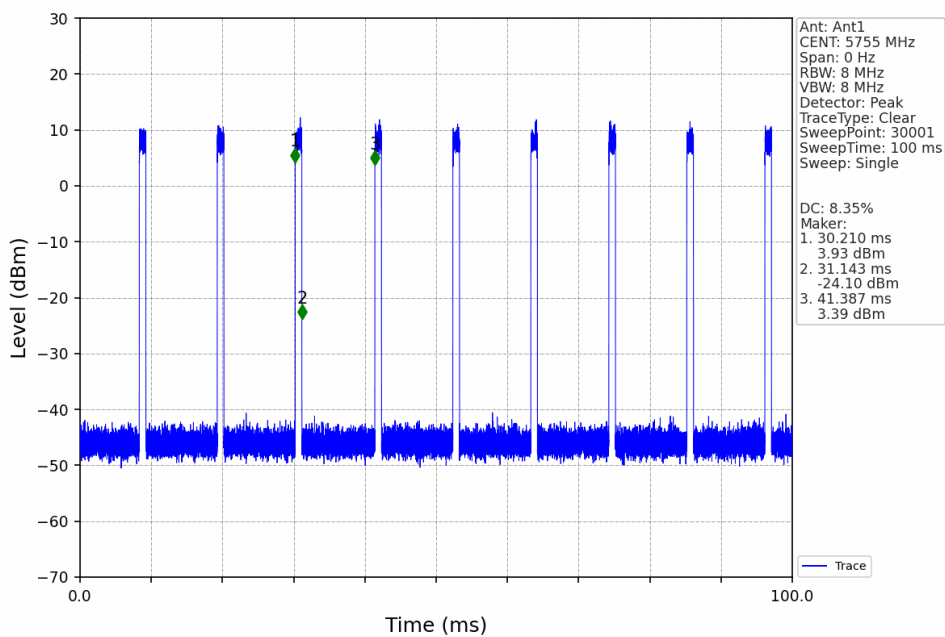
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



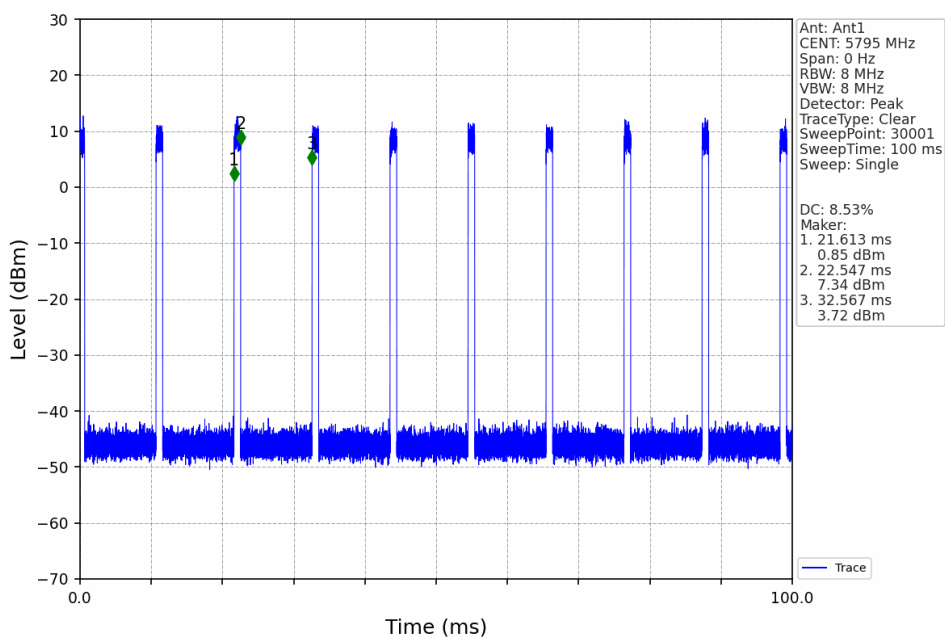
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



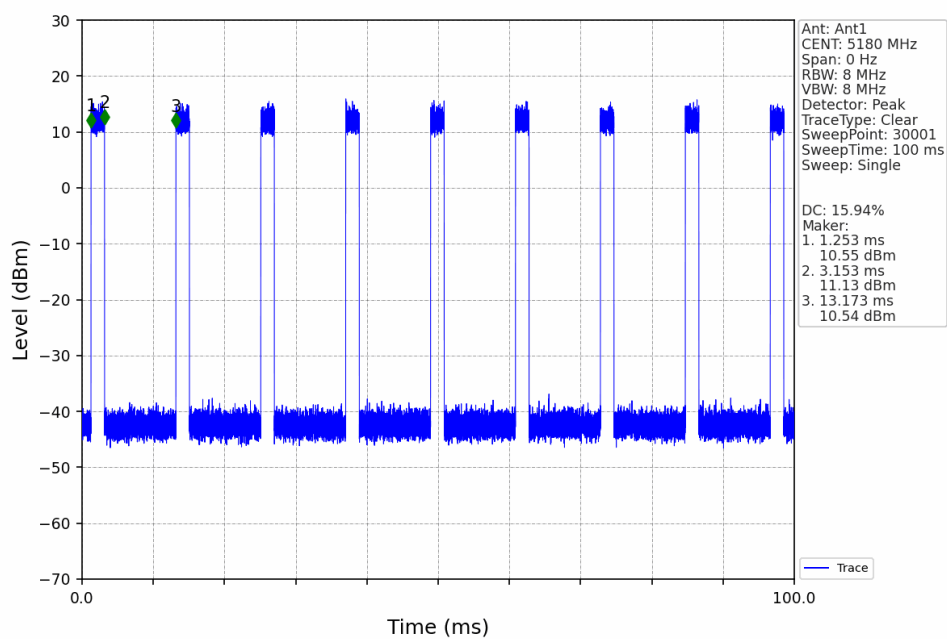
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



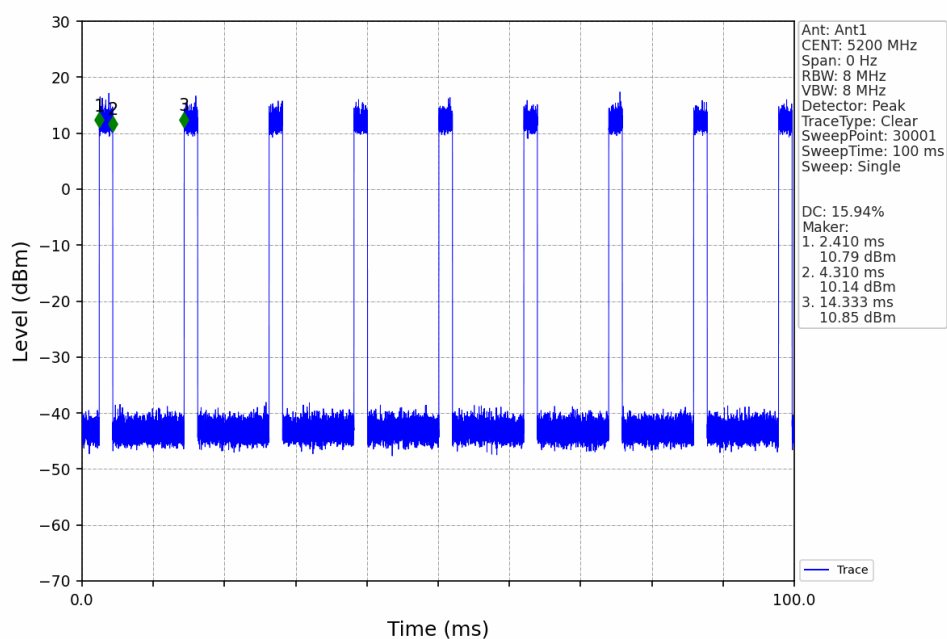
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



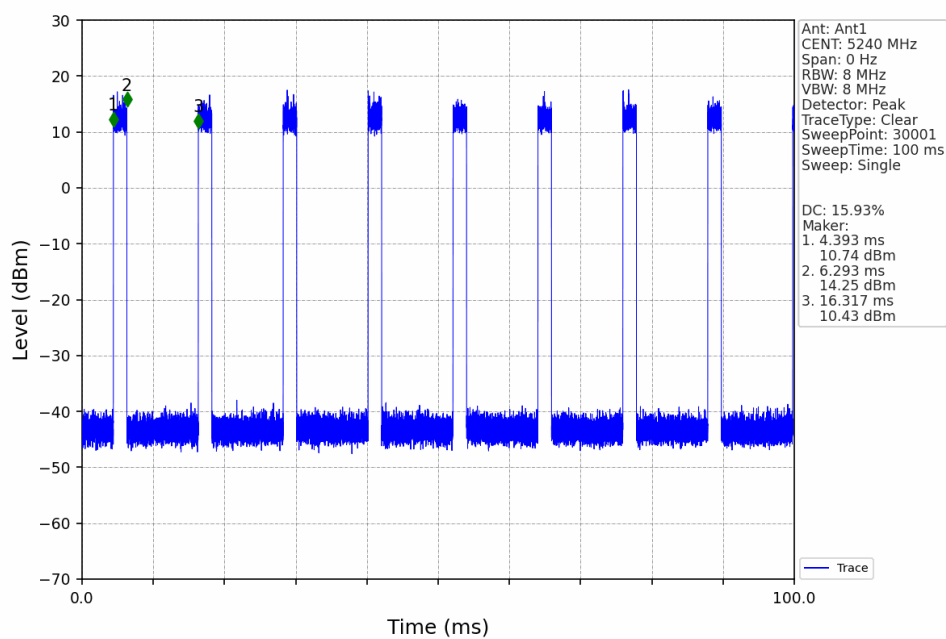
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



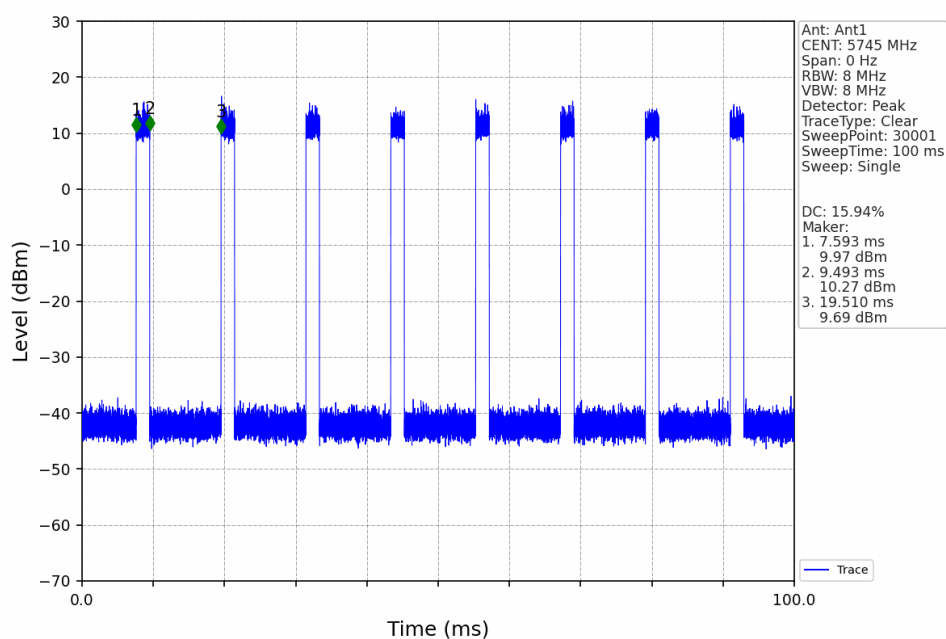
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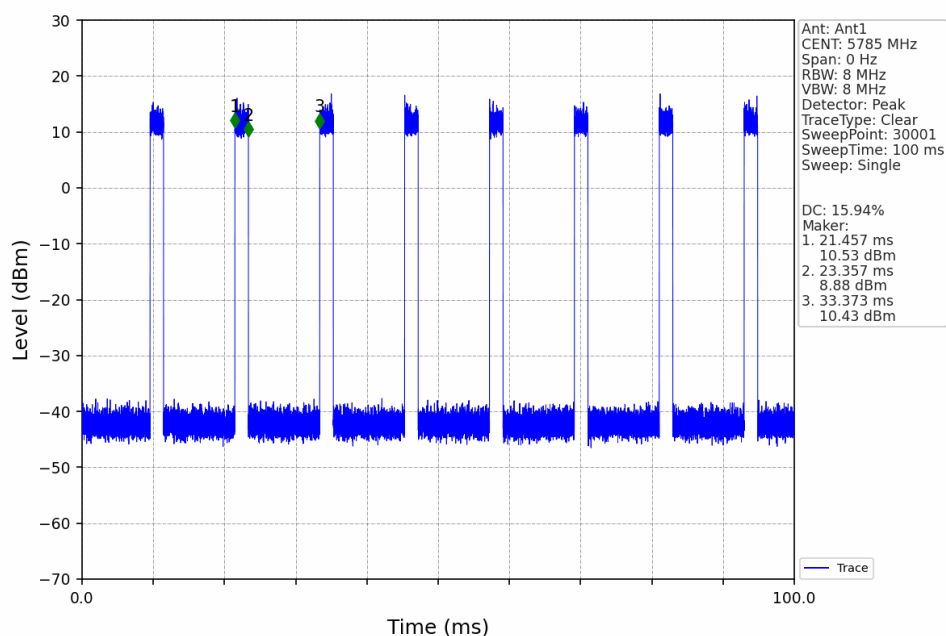
802.11ac(VHT20) HCH 5240MHz_Ant1_NTNV



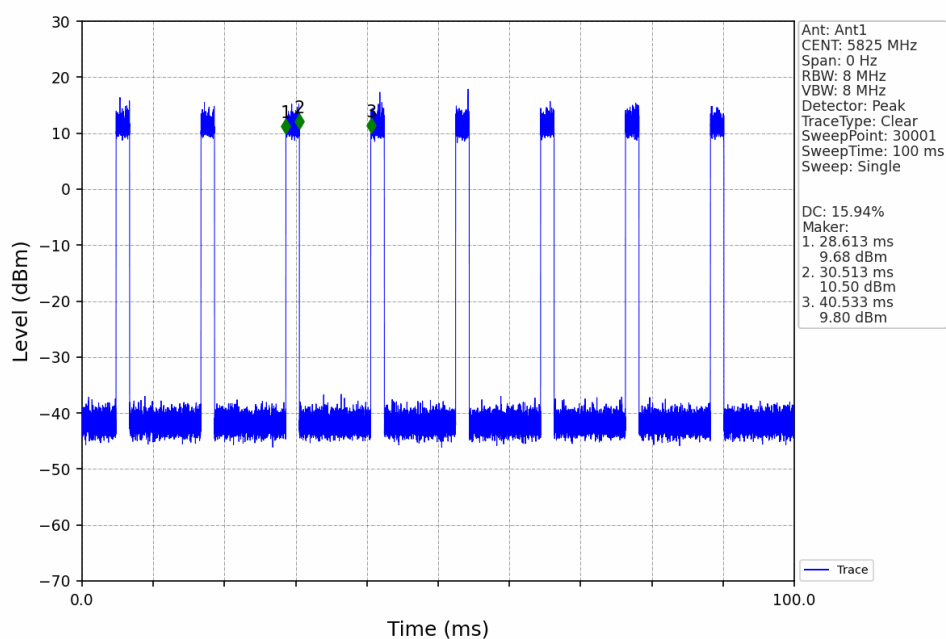
802.11ac(VHT20) LCH 5745MHz_Ant1_NTNV



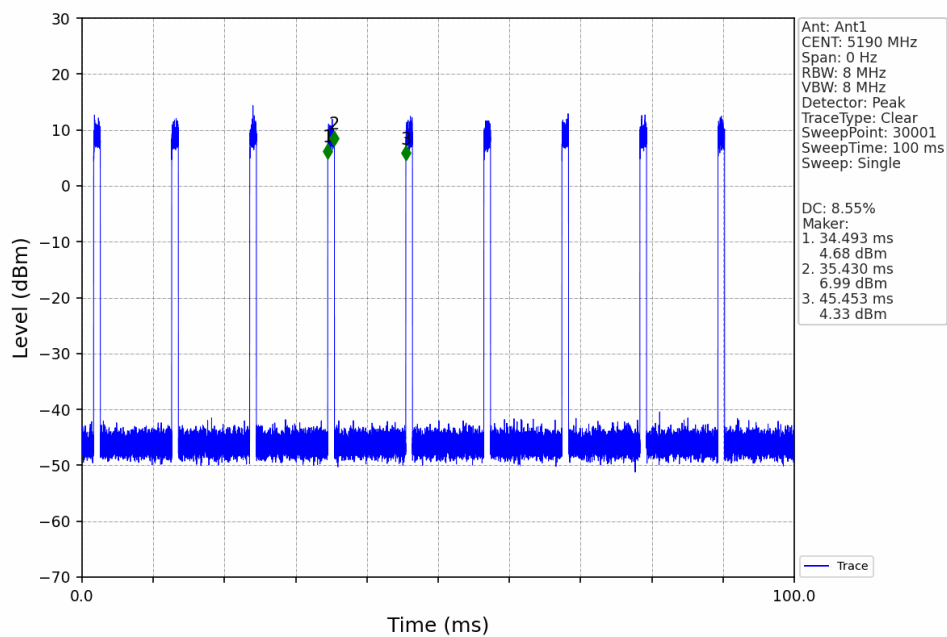
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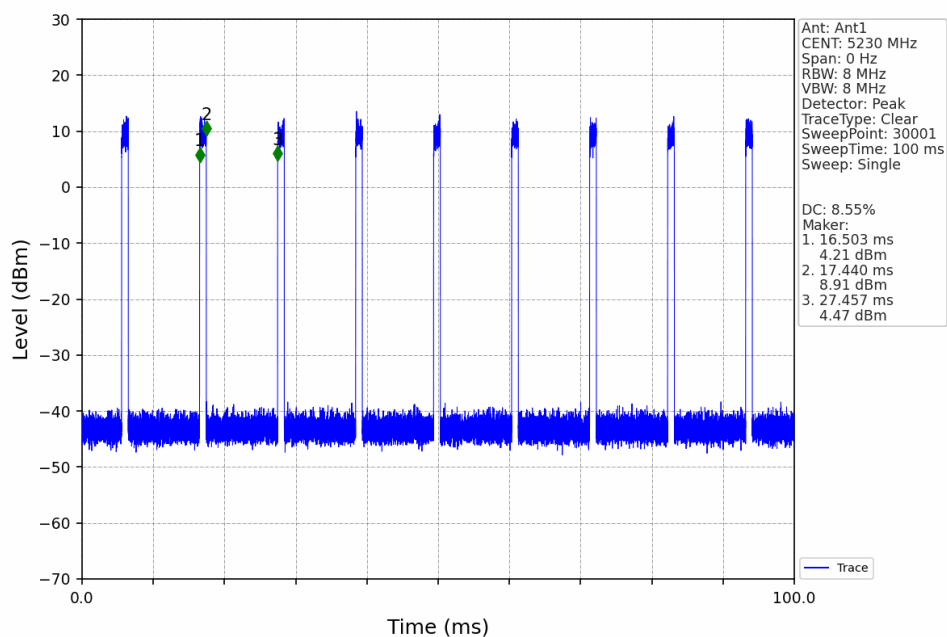
802.11ac(VHT20) HCH 5825MHz Ant1_NTNV



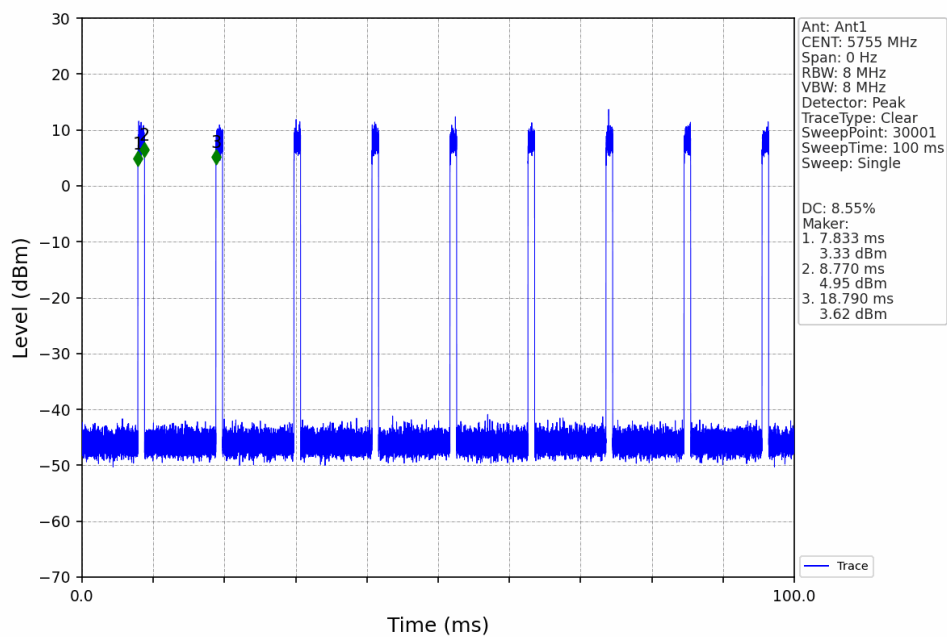
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



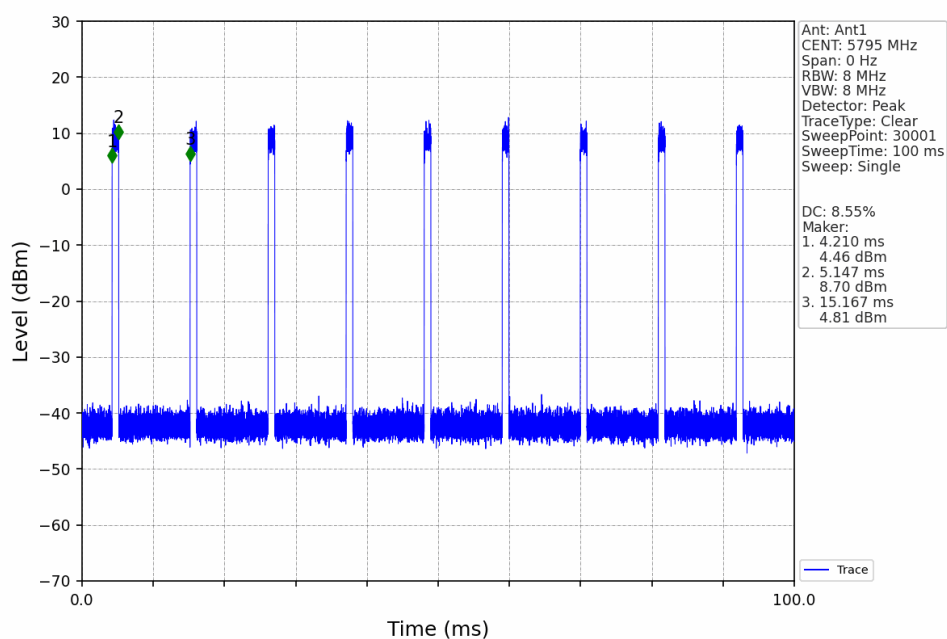
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



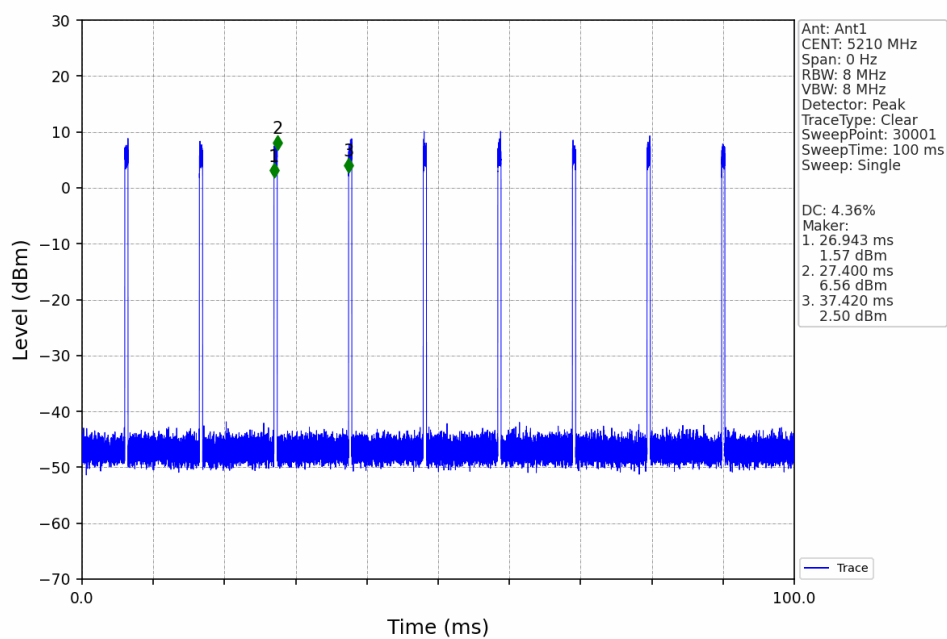
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



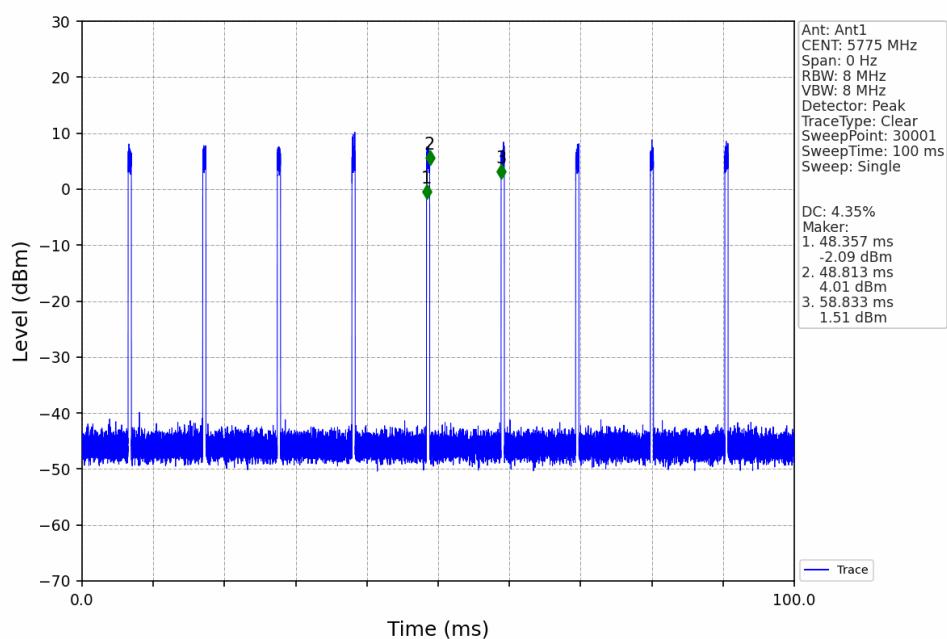
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



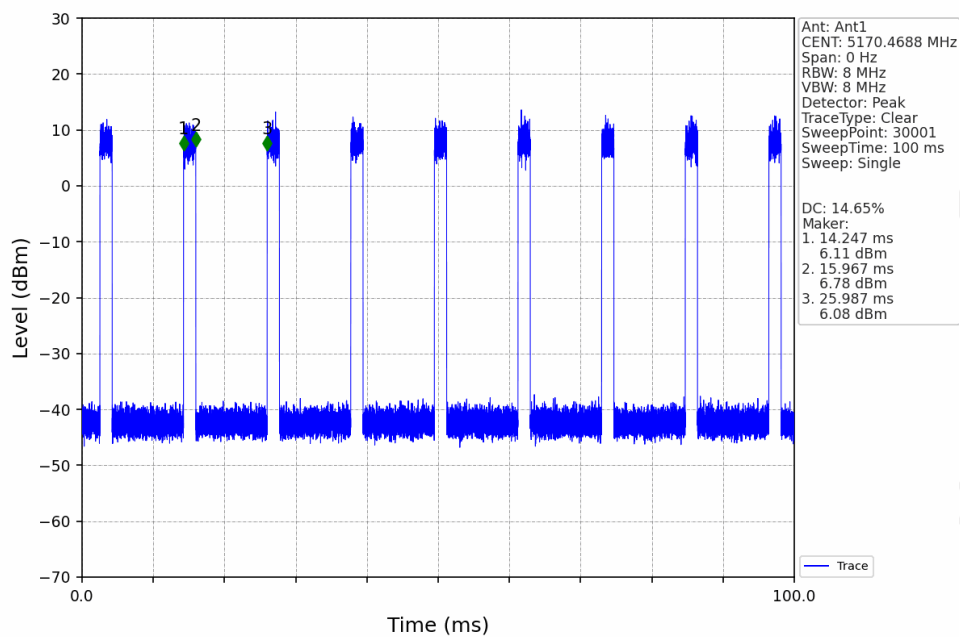
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



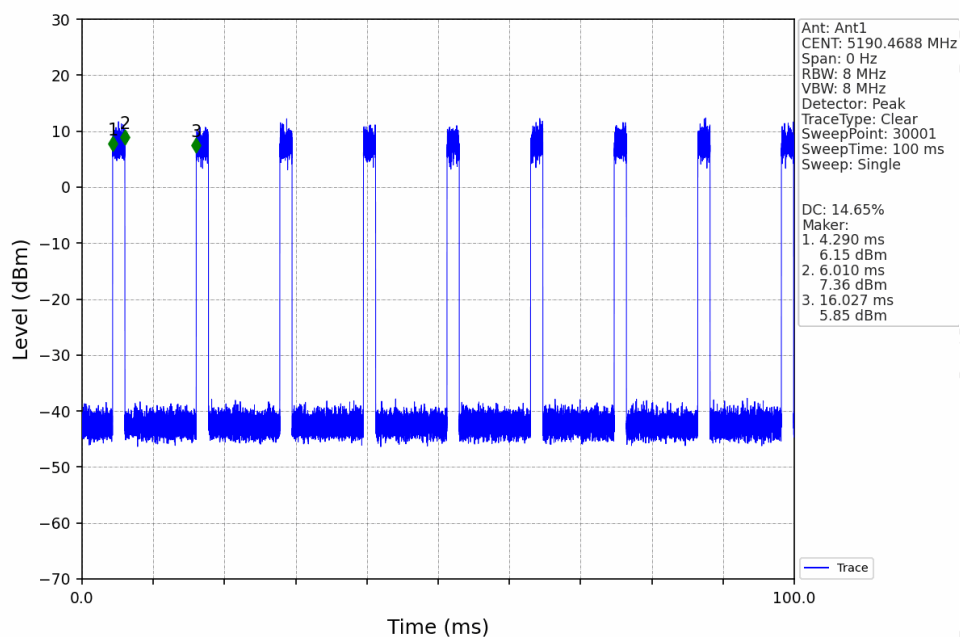
802.11ac(VHT80) MCH 5775MHz_Ant1_NTNV



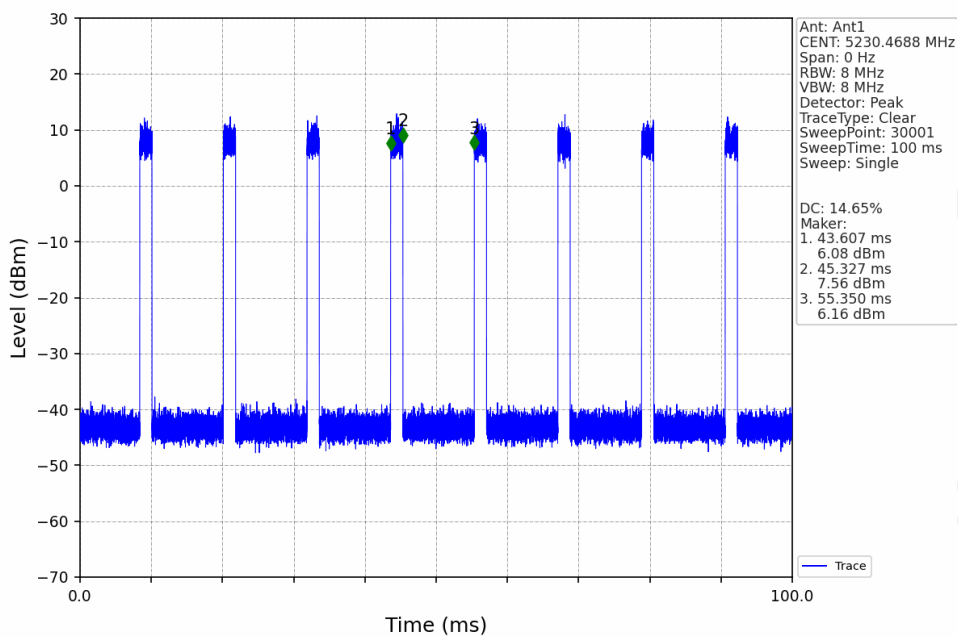
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTNV



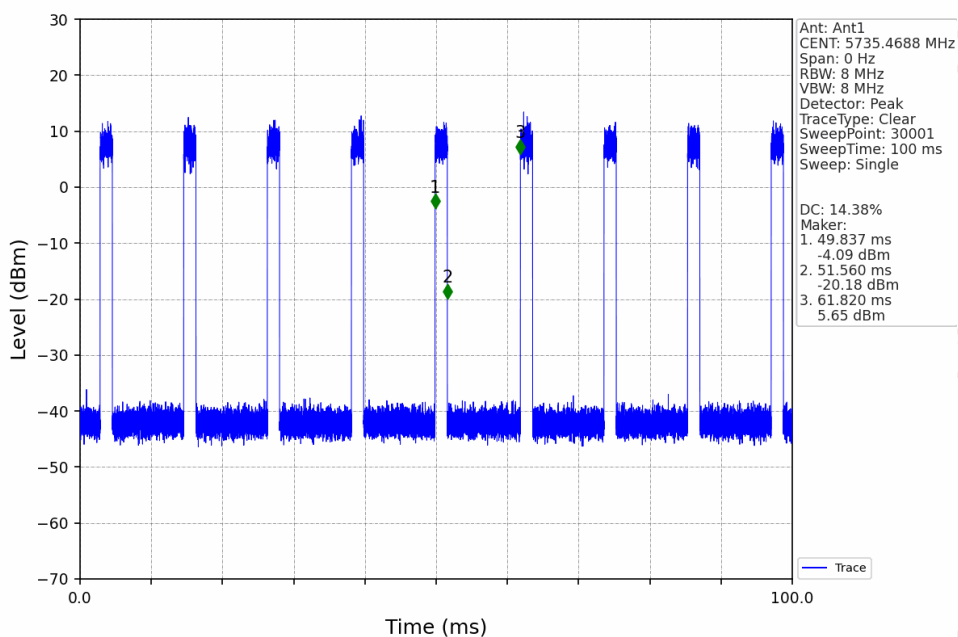
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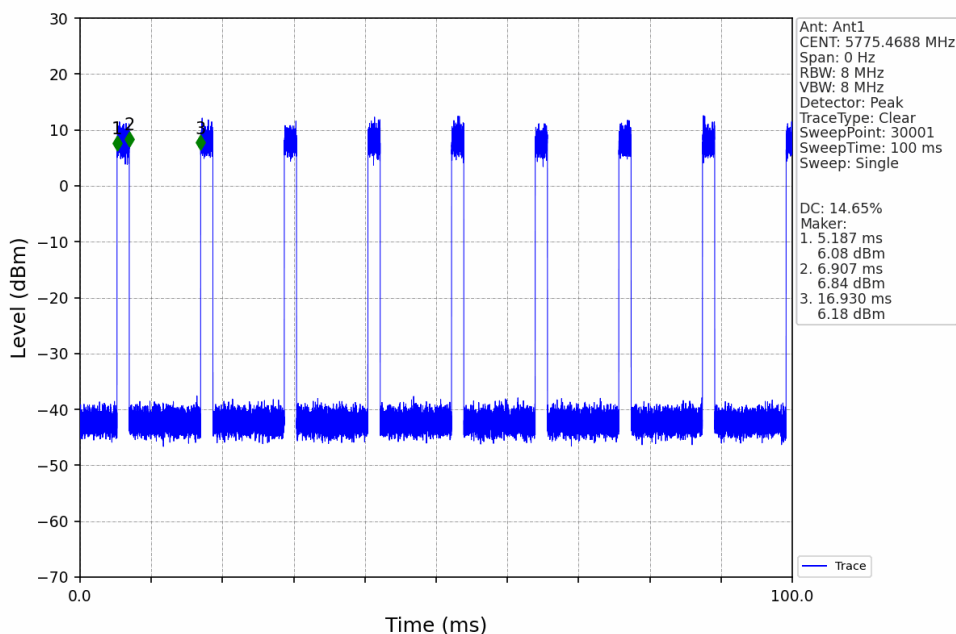
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTNV



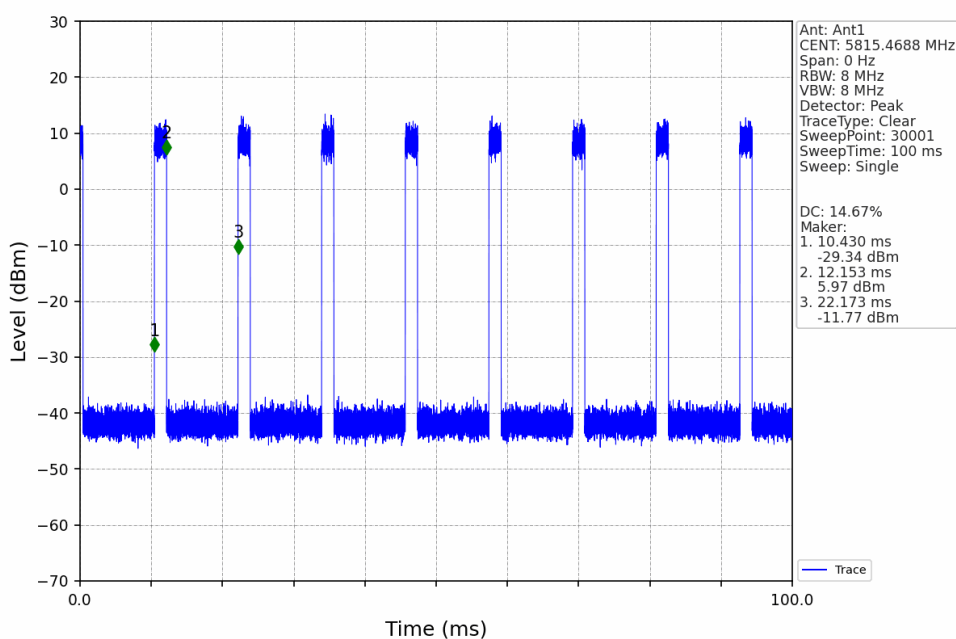
802.11ax(HEW20) LCH 5745MHz SU / Ant1 NTNV



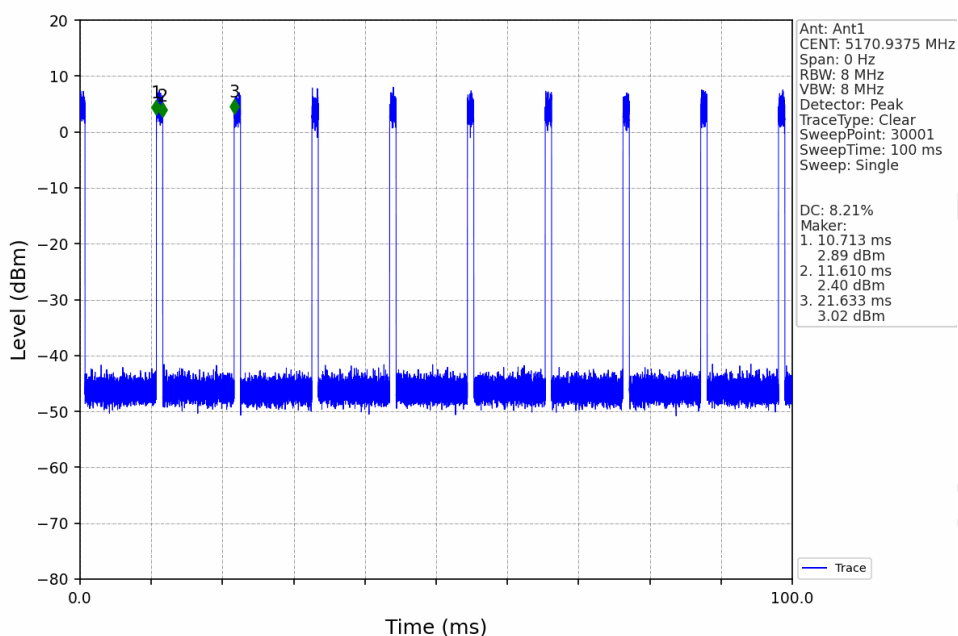
802.11ax(HEW20)_MCH 5785MHz SU / _Ant1_NTNV



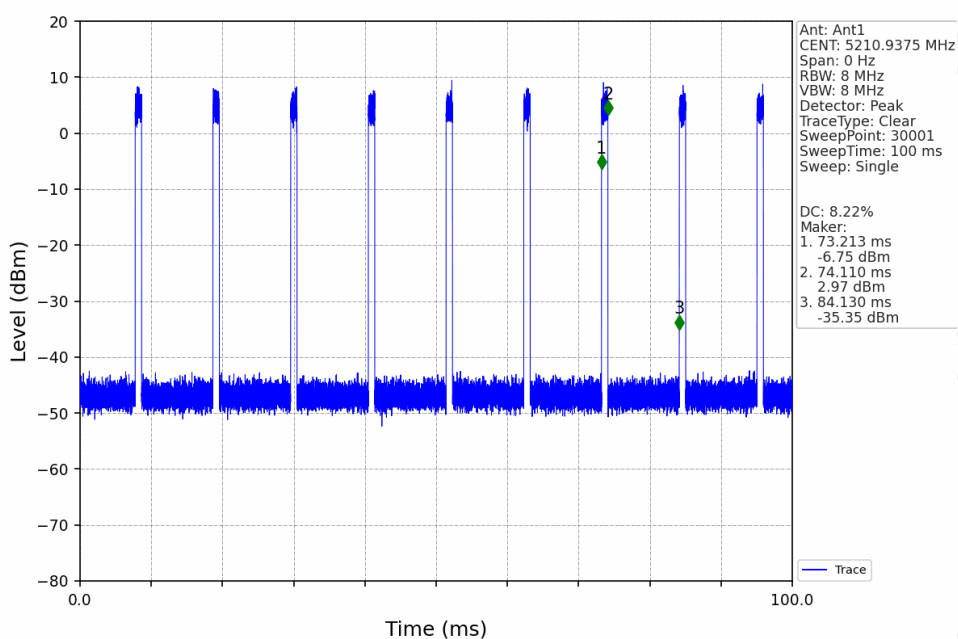
802.11ax(HEW20)_HCH 5825MHz SU / _Ant1_NTNV



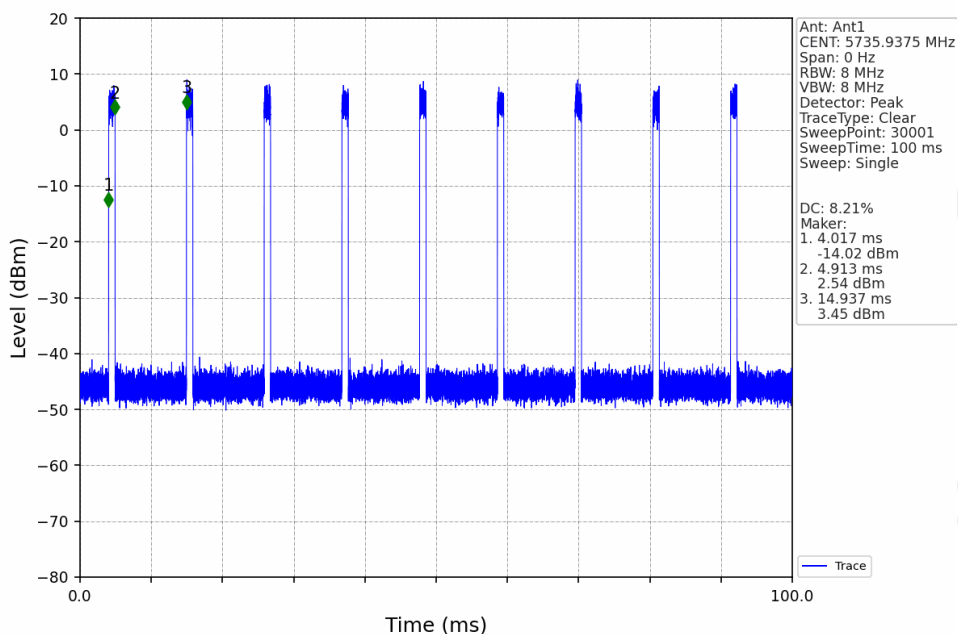
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTV



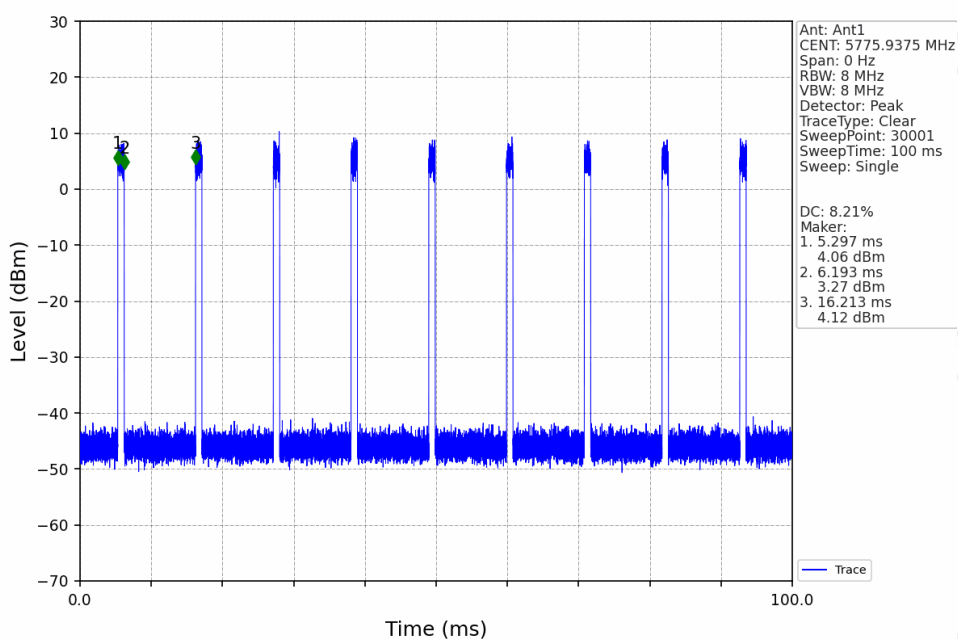
802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTV



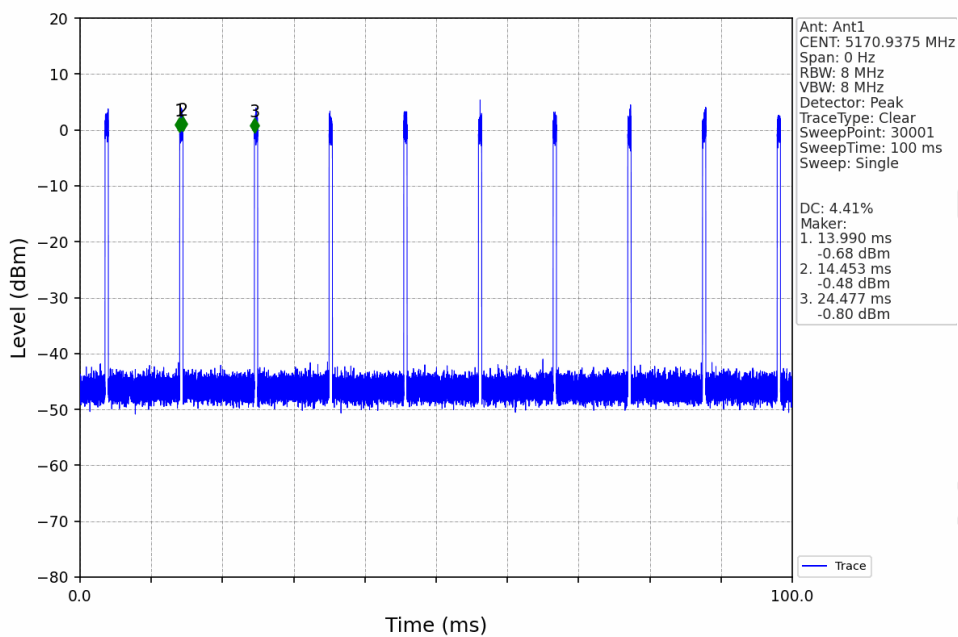
802.11ax(HEW40) LCH 5755MHz SU / Ant1 NTNV



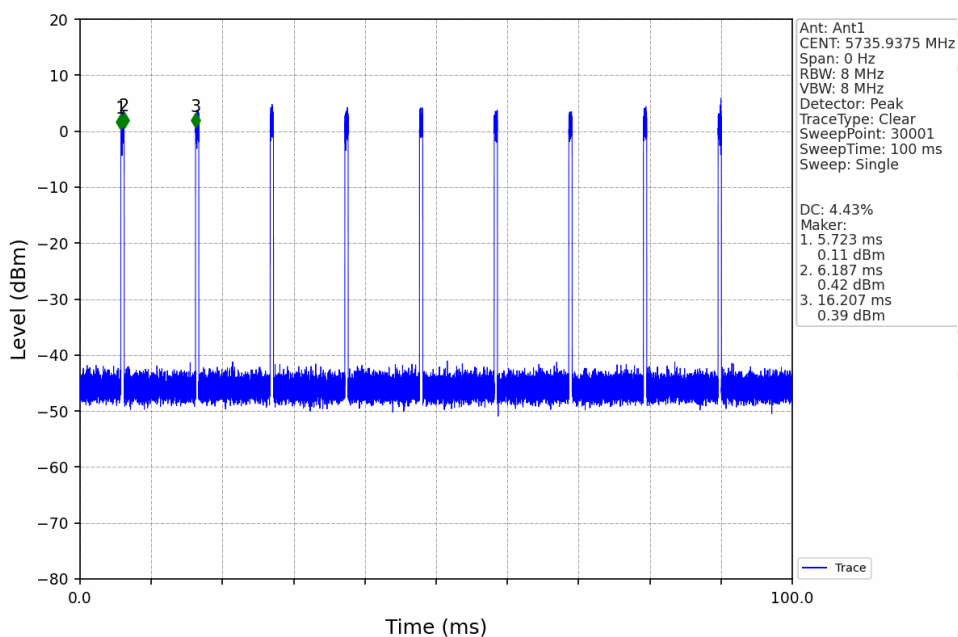
802.11ax(HEW40) HCH 5795MHz SU / Ant1 NTNV



802.11ax(HEW80)_MCH 5210MHz SU / Ant1 NTN



802.11ax(HEW80)_MCH 5775MHz SU / Ant1 NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	17.713	/	Pass
		5200	/	/	1	17.656	/	Pass
		5240	/	/	1	17.422	/	Pass
		5745	/	/	1	17.914	/	Pass
		5785	/	/	1	17.719	/	Pass
		5825	/	/	1	17.840	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.693	/	Pass
		5200	/	/	1	18.581	/	Pass
		5240	/	/	1	18.768	/	Pass
		5745	/	/	1	19.239	/	Pass
		5785	/	/	1	18.669	/	Pass
		5825	/	/	1	19.122	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.681	/	Pass
		5230	/	/	1	36.990	/	Pass
		5755	/	/	1	37.311	/	Pass
		5795	/	/	1	37.224	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.740	/	Pass
		5200	/	/	1	18.462	/	Pass
		5240	/	/	1	18.753	/	Pass
		5745	/	/	1	18.822	/	Pass
		5785	/	/	1	19.236	/	Pass
		5825	/	/	1	18.875	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.928	/	Pass
		5230	/	/	1	36.866	/	Pass
		5755	/	/	1	37.258	/	Pass
		5795	/	/	1	37.133	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.470	/	Pass
		5775	/	/	1	76.669	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.366	/	Pass
		5200	SU	/	1	19.312	/	Pass
		5240	SU	/	1	19.273	/	Pass
		5745	SU	/	1	19.485	/	Pass
		5785	SU	/	1	19.389	/	Pass
		5825	SU	/	1	19.411	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	37.974	/	Pass
		5230	SU	/	1	38.233	/	Pass
		5755	SU	/	1	38.329	/	Pass
		5795	SU	/	1	38.171	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	77.455	/	Pass
		5775	SU	/	1	78.083	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	26.014	/	Pass
		5200	/	/	1	25.480	/	Pass
		5240	/	/	1	25.313	/	Pass

802.11n (HT20)	SISO	5180	/	/	1	26.872	/	Pass
		5200	/	/	1	25.293	/	Pass
		5240	/	/	1	26.476	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	46.226	/	Pass
		5230	/	/	1	45.675	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	26.226	/	Pass
		5200	/	/	1	26.286	/	Pass
		5240	/	/	1	25.894	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	45.688	/	Pass
		5230	/	/	1	45.108	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	86.743	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	25.111	/	Pass
		5200	SU	/	1	25.504	/	Pass
		5240	SU	/	1	23.445	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	43.316	/	Pass
		5230	SU	/	1	44.350	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	88.683	/	Pass

2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.429	>=0.5	Pass
		5785	/	/	1	16.557	>=0.5	Pass
		5825	/	/	1	16.414	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.625	>=0.5	Pass
		5785	/	/	1	17.623	>=0.5	Pass
		5825	/	/	1	17.793	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.260	>=0.5	Pass
		5795	/	/	1	36.354	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.799	>=0.5	Pass
		5785	/	/	1	17.591	>=0.5	Pass
		5825	/	/	1	17.673	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.369	>=0.5	Pass
		5795	/	/	1	36.322	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	71.365	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	18.971	>=0.5	Pass
		5785	SU	/	1	19.068	>=0.5	Pass
		5825	SU	/	1	19.070	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	37.215	>=0.5	Pass
		5795	SU	/	1	37.824	>=0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	74.524	>=0.5	Pass