

TEST REPORT

FCC ID. :	2AQRM-A65S	
Test Report No..... :	TCT241101E024	
Date of issue..... :	Dec. 04, 2024	
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..... :	FOXX Development Inc.	
Address..... :	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA	
Manufacturer's name ... :	FOXX Development Inc.	
Address..... :	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA	
Standard(s)	FCC CFR Title 47 Part 15 Subpart E Section 15.407 KDB 662911 D01 Multiple Transmitter Output v02r01 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01	
Product Name..... :	Smart Phone	
Trade Mark	FOXXD, FOXX, MIRO	
Model/Type reference..... :	A65S	
Rating(s)..... :	Adapter Information: Model: A65S Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 1.0A, 5W Rechargeable Li-ion Battery DC 3.8V	
Date of receipt of test item	Nov. 01, 2024	
Date (s) of performance of test..... :	Nov. 02, 2024 ~ Dec. 01, 2024	
Tested by (+signature) ... :	Rleo LIU	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	

General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

TABLE OF CONTENTS

1. General Product Information	3
1.1. EUT description	3
1.2. Model(s) list.....	3
1.3. Test Frequency	4
2. Test Result Summary	5
3. General Information.....	6
3.1. Test environment and mode.....	6
3.2. Description of Support Units	7
4. Facilities and Accreditations	8
4.1. Facilities	8
4.2. Location	8
4.3. Measurement Uncertainty.....	8
5. Test Results and Measurement Data	9
5.1. Antenna requirement	9
5.2. Conducted Emission.....	10
5.3. Maximum Conducted Output Power	14
5.4. 6dB Emission Bandwidth.....	16
5.5. 26dB Bandwidth and 99% Occupied Bandwidth	17
5.6. Power Spectral Density.....	18
5.7. Band edge	19
5.8. Unwanted Emissions	25
5.9. Frequency Stability Measurement	33

Appendix A: Test Result of Conducted Test

Appendix B: Photographs of Test Setup

Appendix C: Photographs of EUT

1. General Product Information

1.1. EUT description

Product Name.....:	Smart Phone
Model/Type reference.....:	A65S
Sample Number.....:	TCT241101E021-0101
Operation Frequency	Band 1: 5180 MHz~5240 MHz Band 2A: 5260 MHz~5320 MHz Band 2C: 5500 MHz~5700 MHz Band 3: 5745 MHz~5825 MHz
Channel Bandwidth.....:	802.11a: 20MHz 802.11n: 20MHz, 40MHz 802.11ac: 20MHz, 40MHz
Modulation Technology	Orthogonal Frequency Division Multiplexing (OFDM)
Modulation Type.....:	256QAM, 64QAM, 16QAM, BPSK, QPSK
Antenna Type.....:	Inside Antenna
Antenna Gain.....:	Band 1: -0.49dBi Band 2A: -0.49dBi Band 2C: -0.49dBi Band 3: -0.49dBi
Rating(s).....:	Adapter Information: Model: A65S Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 1.0A, 5W Rechargeable Li-ion Battery DC 3.8V

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

1.2. Model(s) list

None.

1.3. Test Frequency

Band 1

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

Band 2A

20MHz		40MHz	
Channel	Frequency	Channel	Frequency
52	5260	54	5270
60	5300	62	5310
64	5320		

Band 2C

20MHz		40MHz	
Channel	Frequency	Channel	Frequency
100	5500	102	5510
120	5600	118	5590
140	5700	134	5670

Band 3

20MHz		40MHz	
Channel	Frequency	Channel	Frequency
149	5745	151	5755
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:	
Temperature:	24.1 °C
Humidity:	53 % RH
Atmospheric Pressure:	1010 mbar
Test Software:	
Software Information:	Engineering test tool
Power Level:	default
Test Mode:	
Engineering 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(SISO)	6 Mbps
802.11n(HT20) (SISO)	6.5 Mbps
802.11n(HT40) (SISO)	13.5 Mbps
802.11ac(VHT20) (SISO)	6.5 Mbps
802.11ac(VHT40) (SISO)	13.5 Mbps
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation

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.

- IC - Registration No.: 10668A

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

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

4.3. 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	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB

5. Test Results and Measurement Data

5.1. 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 EUT antenna is inside antenna which permanently attached, and the best case gain of the antenna is -0.49dBi.	
 WIFI Antenna	

5.2. Conducted Emission

5.2.1. Test Specification

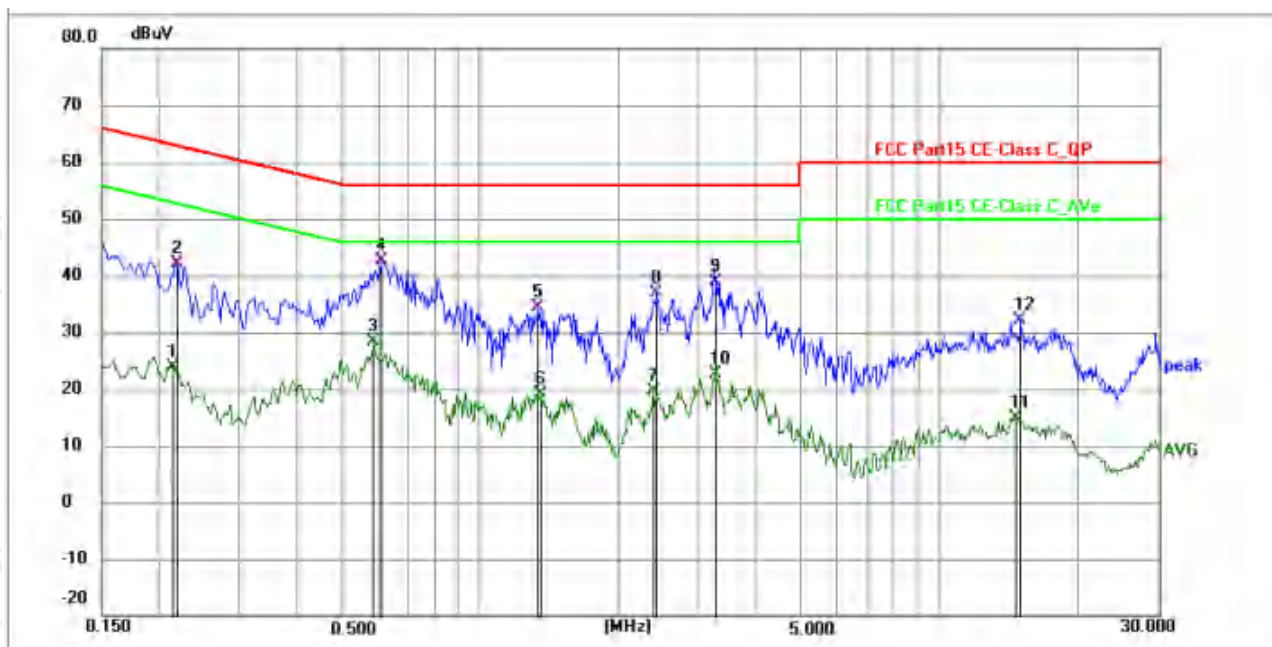
Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2020														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (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 80cm E.U.T AC power LISN Filter AC power EMI Receiver Test table/Insulation plane Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m														
Test Mode:	Charging + 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														

5.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESCI3	100898	Jun. 26, 2025
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 31, 2025
Attenuator	N/A	10dB	164080	Jun. 26, 2025
Line-5	TCT	CE-05	/	Jun. 26, 2025
EMI Test Software	EZ EMC	EMEC-3A1	1.1.4.2	/

5.2.3. 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)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector	P/F	Remark
1	0.2130	13.38	10.56	23.94	53.09	-29.15	AVG	P	
2	0.2174	31.57	10.56	42.13	62.92	-20.79	QP	P	
3	0.5865	17.79	10.62	28.41	46.00	-17.59	AVG	P	
4 *	0.6134	31.98	10.64	42.62	56.00	-13.38	QP	P	
5	1.3380	23.60	10.66	34.26	56.00	-21.74	QP	P	
6	1.3560	8.38	10.66	19.04	46.00	-26.96	AVG	P	
7	2.3955	8.89	10.67	19.56	46.00	-26.44	AVG	P	
8	2.4270	26.13	10.67	36.80	56.00	-19.20	QP	P	
9	3.2505	28.28	10.65	38.93	56.00	-17.07	QP	P	
10	3.2505	11.89	10.65	22.54	46.00	-23.46	AVG	P	
11	14.5995	4.00	10.88	14.88	50.00	-35.12	AVG	P	
12	15.0180	21.17	10.85	32.02	60.00	-27.98	QP	P	

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

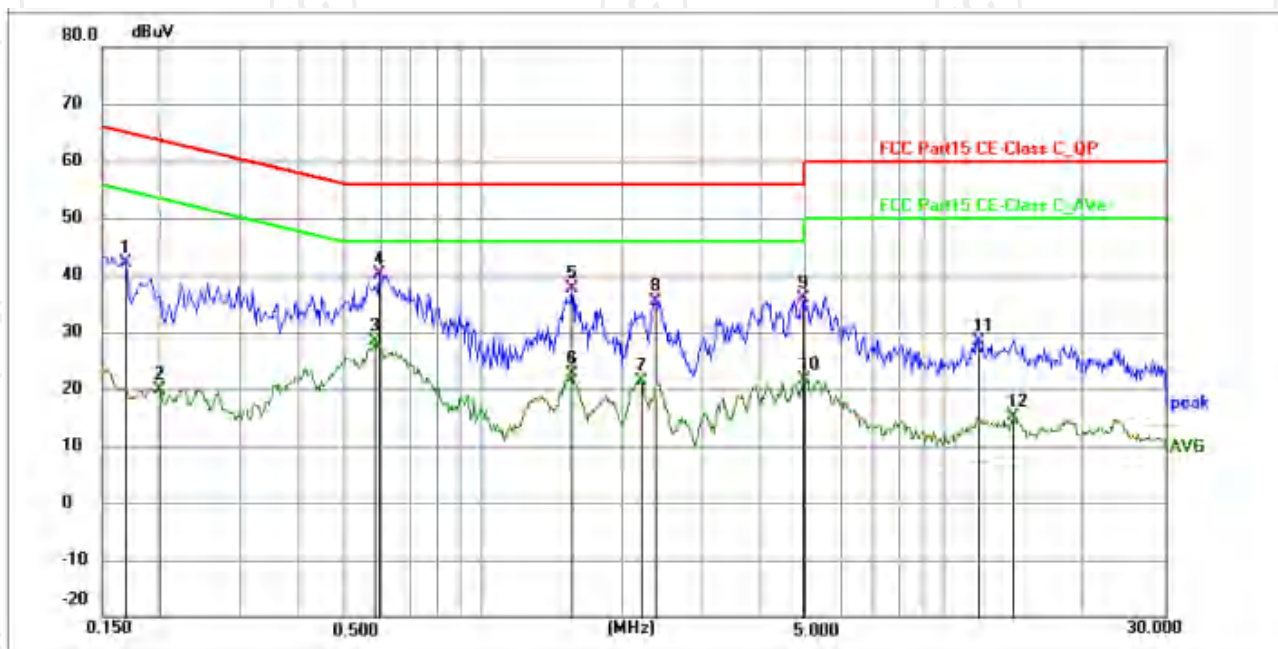
Margin (dB) = Measurement (dBμV) – Limits (dBμV)

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)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector	P/F	Remark
1	0.1680	31.65	10.49	42.14	65.06	-22.92	QP	P	
2	0.1995	9.30	10.56	19.86	53.63	-33.77	AVG	P	
3	0.5820	17.66	10.62	28.28	46.00	-17.72	AVG	P	
4 *	0.5955	29.47	10.63	40.10	56.00	-15.90	QP	P	
5	1.5630	26.88	10.66	37.54	56.00	-18.46	QP	P	
6	1.5630	11.99	10.66	22.65	46.00	-23.35	AVG	P	
7	2.2020	10.77	10.68	21.45	46.00	-24.55	AVG	P	
8	2.3820	24.73	10.67	35.40	56.00	-20.60	QP	P	
9	4.9694	25.16	10.73	35.89	56.00	-20.11	QP	P	
10	4.9830	10.88	10.73	21.61	46.00	-24.39	AVG	P	
11	11.8410	17.51	10.83	28.34	60.00	-31.66	QP	P	
12	14.0775	4.40	10.83	15.23	50.00	-34.77	AVG	P	

Note: 1. 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.

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)) and the worst case Mode (Lowest channel and 802.11n(HT40)) was submitted only.

5.3. Maximum Conducted Output Power

5.3.1. 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:	<table border="1"> <thead> <tr> <th>Frequency Band (MHz)</th><th>Limit</th></tr> </thead> <tbody> <tr> <td>5180 - 5240</td><td>24dBm(250mW) for client device</td></tr> <tr> <td>5260 - 5320</td><td>24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz</td></tr> <tr> <td>5470 - 5725</td><td>24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz</td></tr> <tr> <td>5745 - 5825</td><td>30dBm(1W)</td></tr> </tbody> </table>	Frequency Band (MHz)	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)
Frequency Band (MHz)	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. A green rectangular box labeled 'Power meter' is connected by a black line (representing an RF cable) to a yellow rectangular box 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. 5. Measure the conducted output power and record the results in the test report.										
Test Result:	PASS										
Remark:	Conducted output power= measurement power +10log(1/x), X is duty cycle=1, so 10log(1/1)=0 Conducted output power= measurement power										

5.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Power Meter	Agilent	E4418B	MY45100357	Jun. 26, 2025
Power Sensor	Agilent	8184A	MY41096530	Jun. 26, 2025
Test Software	TST Pass	/	/	/

5.4. 6dB Emission Bandwidth

5.4.1. 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:	 The diagram illustrates the test setup. On the left is a green Spectrum Analyzer with a screen and control buttons. A black cable connects it to a yellow rectangular box on the right labeled 'EUT' (Equipment Under Test).
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

5.4.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Test Software	TST Pass	/	/	/

5.5. 26dB Bandwidth and 99% Occupied Bandwidth

5.5.1. 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:	 The diagram illustrates the test setup. On the left is a green Spectrum Analyzer with a screen and control buttons. A black cable connects it to a yellow rectangular Unit Under Test (EUT) on the right. Below the Spectrum Analyzer is the label 'Spectrum Analyzer' and below the EUT is the label '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

5.5.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Test Software	TST Pass	/	/	/

5.6. Power Spectral Density

5.6.1. Test Specification

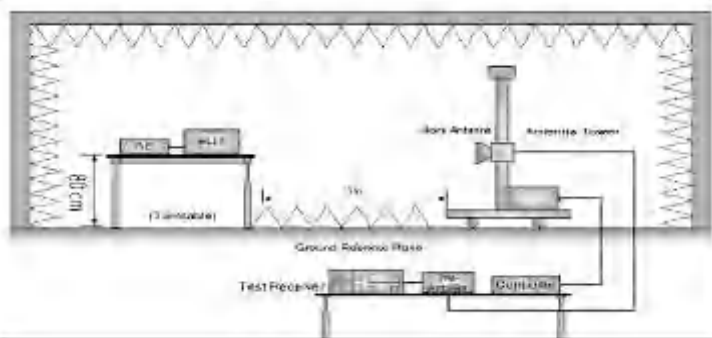
Test Requirement:	FCC Part15 E Section 15.407 (a)
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F
Limit:	$\leq 11.00\text{dBm/MHz}$ for Band 1 5150MHz-5250MHz(client device) $\leq 11.00\text{dBm/MHz}$ for Band 2A&2C 5250-5350&5470-5725 $\leq 30.00\text{dBm/500KHz}$ 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. 4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.
Test Result:	PASS

5.6.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Test Software	TST Pass	/	/	/

5.7. Band edge

5.7.1. 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:			
	Frequency (MHz)	Limit (dBm/MHz)	Frequency (MHz)	Limit (dBm/MHz)
	< 650	-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
E[dBμV/m] = EIRP[dBm] + 95.2 @3m In restricted band:				
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, quasipeak or average method as specified and then reported in a data sheet.
Test Result:	PASS

5.7.2. Test Instruments

Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESCI7	100529	Jan. 31, 2025
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025
Spectrum Analyzer	Agilent	N9020A	MY50101018	Jun. 26, 2025
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Jan. 31, 2025
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Jan. 31, 2025
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 26, 2025
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 02, 2025
Coaxial cable	SKET	RE-03-D	/	Jun. 26, 2025
Coaxial cable	SKET	RE-03-M	/	Jun. 26, 2025
Coaxial cable	SKET	RE-03-L	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-D	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-M	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025
Antenna Mast	Keleto	RE-AM	/	/
EMI Test Software	EZ EMC	FA-03A2 RE+	1.1.4.2	/

5.7.3. Test Data

Band 1&2A: 5180 MHz - 5320 MHz, Test Mode: 802.11a

Test Channel: Lowest channel, Test Polarization: Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5097.68	41.78	5.28	47.06	74	-26.94	Peak	Pass
2	5150.00	43.53	5.33	48.86	74	-25.14	Peak	Pass

Test Channel: Lowest channel, Test Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5072.68	42.76	5.35	48.11	74	-25.89	Peak	Pass
2	5150.00	44.69	5.33	50.02	74	-23.98	Peak	Pass

Test Channel: Highest channel, Test Polarization: Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5350.00	42.86	5.45	48.31	74	-25.69	Peak	Pass
2	5460.00	45.42	5.52	50.94	74	-23.06	Peak	Pass

Test Channel: Highest channel, Test Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5350.00	41.63	5.45	47.08	74	-26.92	Peak	Pass
2	5460.00	45.61	5.52	51.13	74	-22.87	Peak	Pass

Remark: Test frequency up to 40GHz and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

Band 2C: 5500 MHz -5720 MHz, Test Mode: 802.11a

Test Channel: Lowest channel, Test Polarization: Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5350.00	43.31	5.49	48.80	74	-25.20	Peak	Pass
2	5460.00	47.81	5.56	53.37	74	-20.63	Peak	Pass

Test Channel: Lowest channel, Test Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5350.00	44.89	5.49	50.38	74	-23.62	Peak	Pass
2	5460.00	48.19	5.56	53.75	74	-20.25	Peak	Pass

Test Channel: Highest channel, Test Polarization: Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5725.00	45.40	5.53	50.93	68.2	-17.27	Peak	Pass
2	5730.00	42.50	5.59	48.09	68.2	-20.11	Peak	Pass

Test Channel: Highest channel, Test Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5725.00	46.34	5.53	51.87	68.2	-16.33	Peak	Pass
2	5730.00	42.60	5.59	48.19	68.2	-20.01	Peak	Pass

Remark: Test frequency up to 40GHz and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

Band 3: 5745 MHz - 5825 MHz, Test Mode: 802.11a

Test Channel: Lowest channel, Test Polarization: Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5650.00	41.60	5.63	47.23	68.2	-20.97	Peak	Pass
2	5700.00	44.66	5.70	50.36	105.2	-54.84	Peak	Pass
3	5720.00	46.85	5.66	52.51	110.8	-58.29	Peak	Pass
3	5725.00	49.06	5.66	54.72	122.2	-67.48	Peak	Pass

Test Channel: Lowest channel, Test Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5650.00	42.49	5.63	48.12	68.2	-20.08	Peak	Pass
2	5700.00	45.66	5.70	51.36	105.2	-53.84	Peak	Pass
3	5720.00	46.02	5.66	51.68	110.8	-59.12	Peak	Pass
3	5725.00	49.01	5.66	54.67	122.2	-67.53	Peak	Pass

Test Channel: Highest channel, Test Polarization: Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5850.00	48.64	5.73	54.37	122.2	-67.83	Peak	Pass
2	5855.00	46.99	5.72	52.71	110.8	-58.09	Peak	Pass
3	5875.00	46.13	5.70	51.83	105.2	-53.37	Peak	Pass
4	5925.00	42.08	5.66	47.74	68.2	-20.46	Peak	Pass

Test Channel: Highest channel, Test Polarization: Horizontal

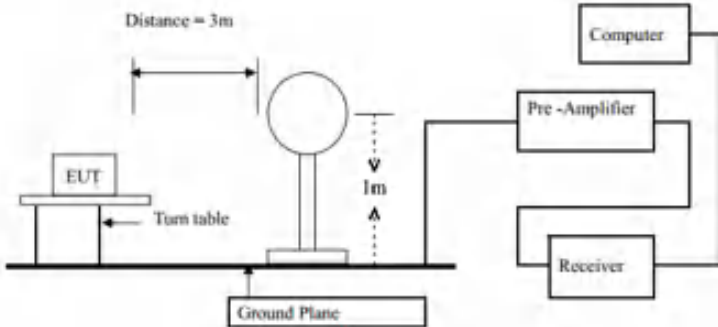
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Marging (dB)	Detector	Result
1	5850.00	48.44	5.73	54.17	122.2	-68.03	Peak	Pass
2	5855.00	46.16	5.72	51.88	110.8	-58.92	Peak	Pass
3	5875.00	45.82	5.70	51.52	105.2	-53.68	Peak	Pass
4	5925.00	42.78	5.66	48.44	68.2	-19.76	Peak	Pass

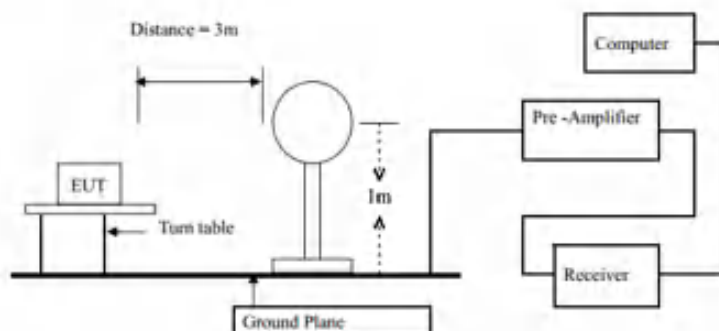
Remark: Test frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.

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

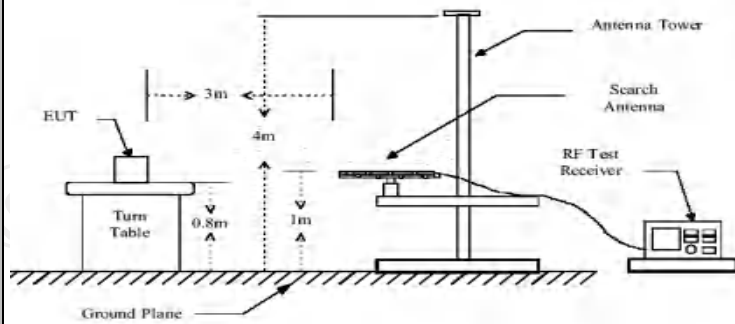
5.8. Unwanted Emissions

5.8.1. Test Specification

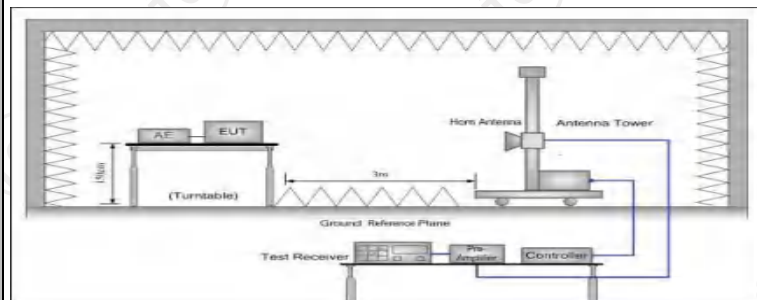
Test Requirement:	FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205				
Test Method:	KDB 789033 D02 v02r01				
Frequency Range:	9kHz to 40GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Operation mode:	Transmitting mode with modulation				
Receiver Setup:	Frequency	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	
	0.490-1.705		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		
	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.

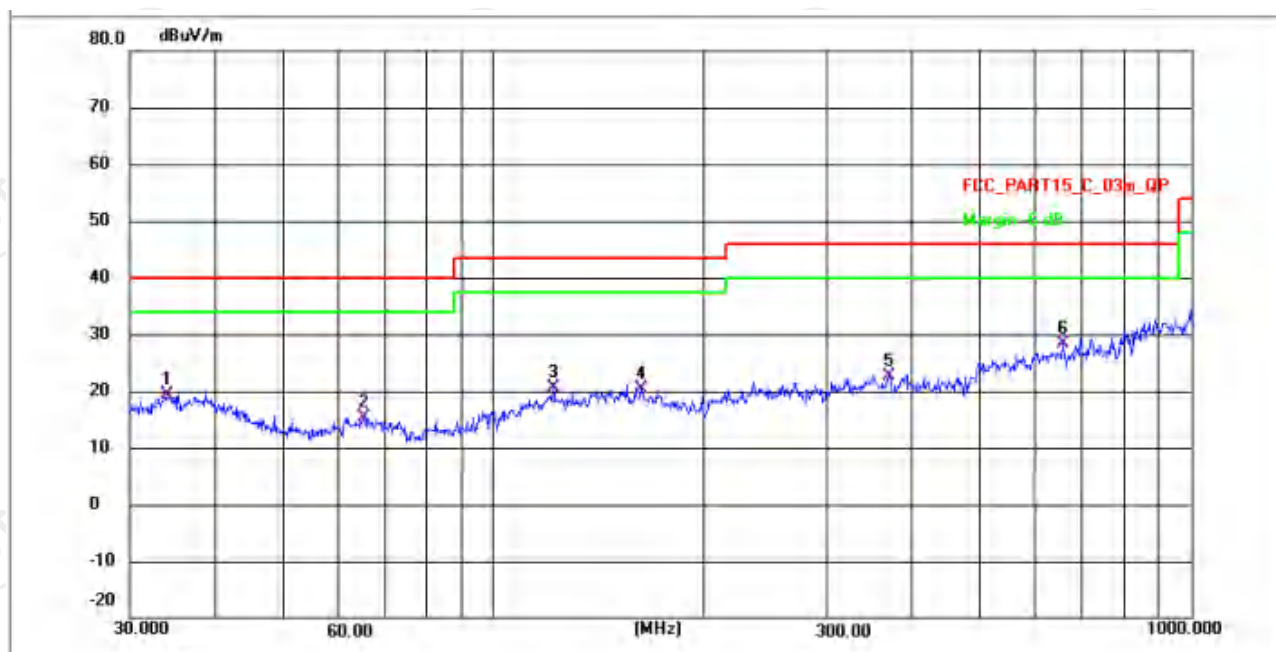
Test results:

PASS

5.8.2. Test Data

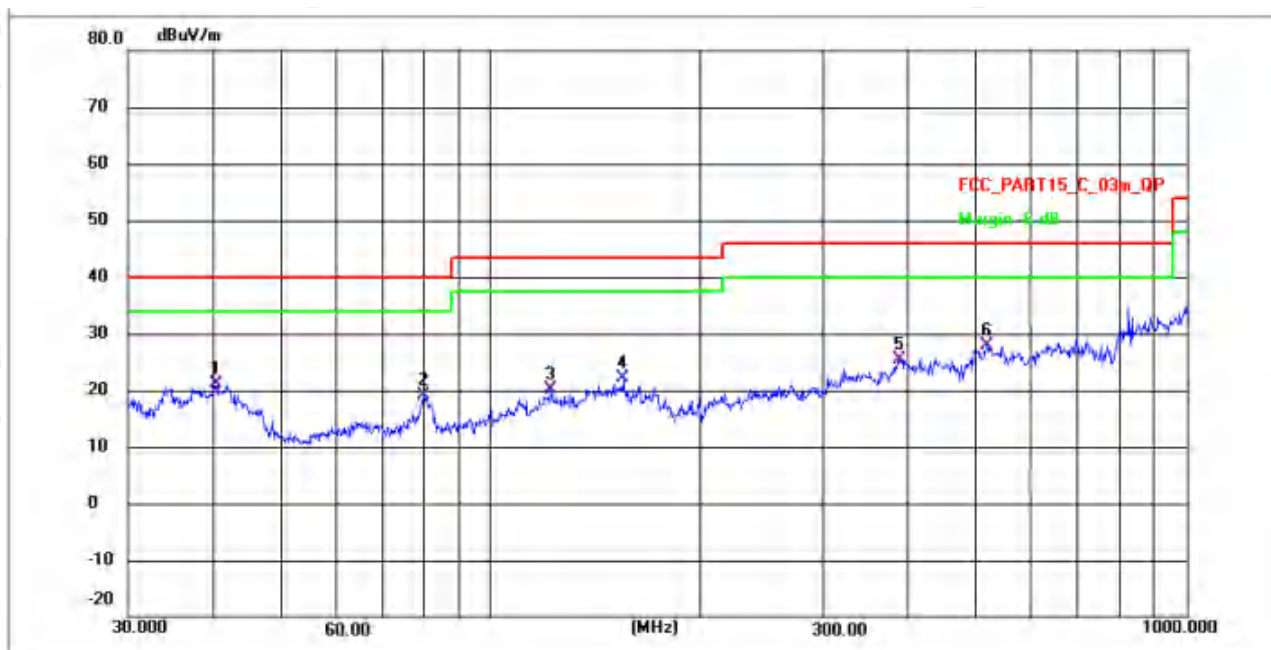
Please refer to following diagram for individual
Below 1GHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	33.9172	29.16	-9.68	19.48	40.00	-20.52	QP	P
2	65.3431	24.76	-9.41	15.35	40.00	-24.65	QP	P
3	121.7617	42.79	-22.27	20.52	43.50	-22.98	QP	P
4	162.8960	42.33	-21.88	20.45	43.50	-23.05	QP	P
5	368.7576	42.65	-20.08	22.57	46.00	-23.43	QP	P
6 *	655.3798	46.26	-17.93	28.33	46.00	-17.67	QP	P

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	40.2754	30.68	-9.64	21.04	40.00	-18.96	QP	P
2	79.8002	28.35	-9.26	19.09	40.00	-20.91	QP	P
3	121.7617	42.29	-22.27	20.02	43.50	-23.48	QP	P
4	154.8204	44.12	-21.97	22.15	43.50	-21.35	QP	P
5	386.6338	45.42	-19.93	25.49	46.00	-20.51	QP	P
6 *	515.4373	46.76	-18.89	27.87	46.00	-18.13	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)) and the worst case Mode (Lowest channel and 802.11n(HT40)) was submitted only.
3. Measurement (dBμV) = Reading level + Correction Factor, correction Factor= Antenna Factor + Cable loss – Pre-amplifier.

Above 1GHz

Modulation Type: Band 1									
802.11a 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	42.35	---	1.78	44.13	---	68.2	---	-24.07
15540	H	40.41	---	5.21	45.62	---	74	54	-8.38
---	H	---	---	---	---	---	---	---	---
10360	V	42.75	---	1.78	44.53	---	68.2	---	-23.67
15540	V	41.51	---	5.21	46.72	---	74	54	-7.28
---	V	---	---	---	---	---	---	---	---

802.11a 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	41.68	---	1.83	43.51	---	68.2	---	-24.69
15600	H	40.38	---	5.23	45.61	---	74	54	-8.39
---	H	---	---	---	---	---	---	---	---
10400	V	41.98	---	1.83	43.81	---	74	---	-30.19
15600	V	40.99	---	5.23	46.22	---	74	54	-7.78
---	V	---	---	---	---	---	---	---	---

802.11a 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	42.42	---	1.85	44.27	---	68.2	---	-23.93
15720	H	41.32	---	5.25	46.57	---	74	54	-7.43
---	H	---	---	---	---	---	---	---	---
10480	V	43.79	---	1.85	45.64	---	68.2	---	-22.56
15720	V	40.11	---	5.25	45.36	---	74	54	-8.64
---	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. All modulation (802.11a, 802.11n, 802.11ac,) have been tested, only the worst case in 802.11a be reported.

Modulation Type: Band 2A									
802.11a CH52:5260MHz									
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)			
10520	H	42.28	---	1.87	44.15	---	68.2	---	-24.05
15780	H	40.34	---	5.01	45.35	---	74	54	-8.65
---	H	---	---	---	---	---	---	---	---
10520	V	42.68	---	1.87	44.55	---	68.2	---	-23.65
15780	V	41.44	---	5.01	46.45	---	74	54	-7.55
---	V	---	---	---	---	---	---	---	---

802.11a CH60:5300MHz									
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)			
10600	H	41.61	---	1.89	43.50	---	74	---	-30.50
15900	H	40.31	---	4.93	45.24	---	74	54	-8.76
---	H	---	---	---	---	---	---	---	---
10600	V	41.91	---	1.89	43.80	---	74	---	-30.20
15900	V	40.92	---	4.93	45.85	---	74	54	-8.15
---	V	---	---	---	---	---	---	---	---

802.11a CH64:5320MHz									
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)			
10640	H	42.35	---	1.94	44.29	---	74	---	-29.71
15960	H	41.25	---	4.83	46.08	---	74	54	-7.92
---	H	---	---	---	---	---	---	---	---
10640	V	43.72	---	1.94	45.66	---	74	---	-28.34
15960	V	40.04	---	4.83	44.87	---	74	54	-9.13
---	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.
6. All modulation (802.11a, 802.11n, 802.11ac,) have been tested, only the worst case in 802.11a be reported.

Modulation Type: Band 2C									
802.11a CH100:5500MHz									
Frequency (MHz)	Ant. Pol.H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11000	H	43.35	---	2.21	45.56	---	68.2	---	-22.64
16500	H	41.41	---	5.32	46.73	---	74	54	-7.27
---	H	---	---	---	---	---	---	---	---
11000	V	43.75	---	2.21	45.96	---	68.2	---	-22.24
16500	V	42.51	---	5.32	47.83	---	74	54	-6.17
---	V	---	---	---	---	---	---	---	---

802.11a CH120:5600MHz									
Frequency (MHz)	Ant. Pol.H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11200	H	42.68	---	2.34	45.02	---	74	---	-28.98
16800	H	41.38	---	5.62	47.00	---	74	54	-7.00
---	H	---	---	---	---	---	---	---	---
11200	V	42.98	---	2.34	45.32	---	74	---	-28.68
16800	V	41.99	---	5.62	47.61	---	74	54	-6.39
---	V	---	---	---	---	---	---	---	---

802.11a CH140:5700MHz									
Frequency (MHz)	Ant. Pol.H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11400	H	43.42	---	2.47	45.89	---	74	---	-28.11
17100	H	42.32	---	6.00	48.32	---	74	54	-5.68
---	H	---	---	---	---	---	---	---	---
11400	V	44.79	---	2.47	47.26	---	74	---	-26.74
17100	V	41.11	---	6.00	47.11	---	74	54	-6.89
---	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. All modulation (802.11a, 802.11n, 802.11ac,) have been tested, only the worst case in 802.11a be reported.

Modulation Type: Band 3									
802.11a CH149:5745MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11490	H	42.35	---	2.48	44.83	---	74	54	-29.17
17235	H	40.41	---	6.50	46.91	---	68.2	---	-21.29
---	H	---	---	---	---	---	---	---	---
11490	V	42.75	---	2.48	45.23	---	74	54	-28.77
17235	V	41.51	---	6.50	48.01	---	68.2	---	-20.19
---	V	---	---	---	---	---	---	---	---

802.11a CH120:5785MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11570	H	41.68	---	2.42	44.1	---	74	54	-29.90
17355	H	40.38	---	7.03	47.41	---	68.2	---	-20.79
---	H	---	---	---	---	---	---	---	---
11570	V	41.98	---	2.42	44.4	---	74	54	-29.60
17355	V	40.99	---	7.03	48.02	---	68.2	---	-20.18
---	V	---	---	---	---	---	---	---	---

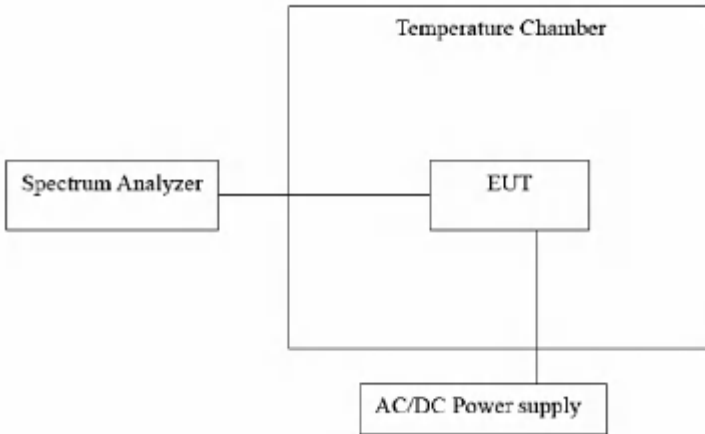
802.11a CH140:5825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11650	H	42.42	---	2.41	44.83	---	74	54	-29.17
17475	H	41.32	---	7.41	48.73	---	68.2	---	-19.47
---	H	---	---	---	---	---	---	---	---
11650	V	43.79	---	2.41	46.20	---	74	54	-27.80
17475	V	40.11	---	7.41	47.52	---	68.2	---	-20.68
---	V	---	---	---	---	---	---	---	---

Note:

- Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
- Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.
- 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.
- All modulation (802.11a, 802.11n, 802.11ac,) have been tested, only the worst case in 802.11a be reported.

5.9. Frequency Stability Measurement

5.9.1. 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] --- EUT[EUT] subgraph TC [Temperature Chamber] EUT end EUT --- P[AC/DC Power supply] </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

Appendix A: Test Result of Conducted Test

1. Duty Cycle

1.1 Test Result

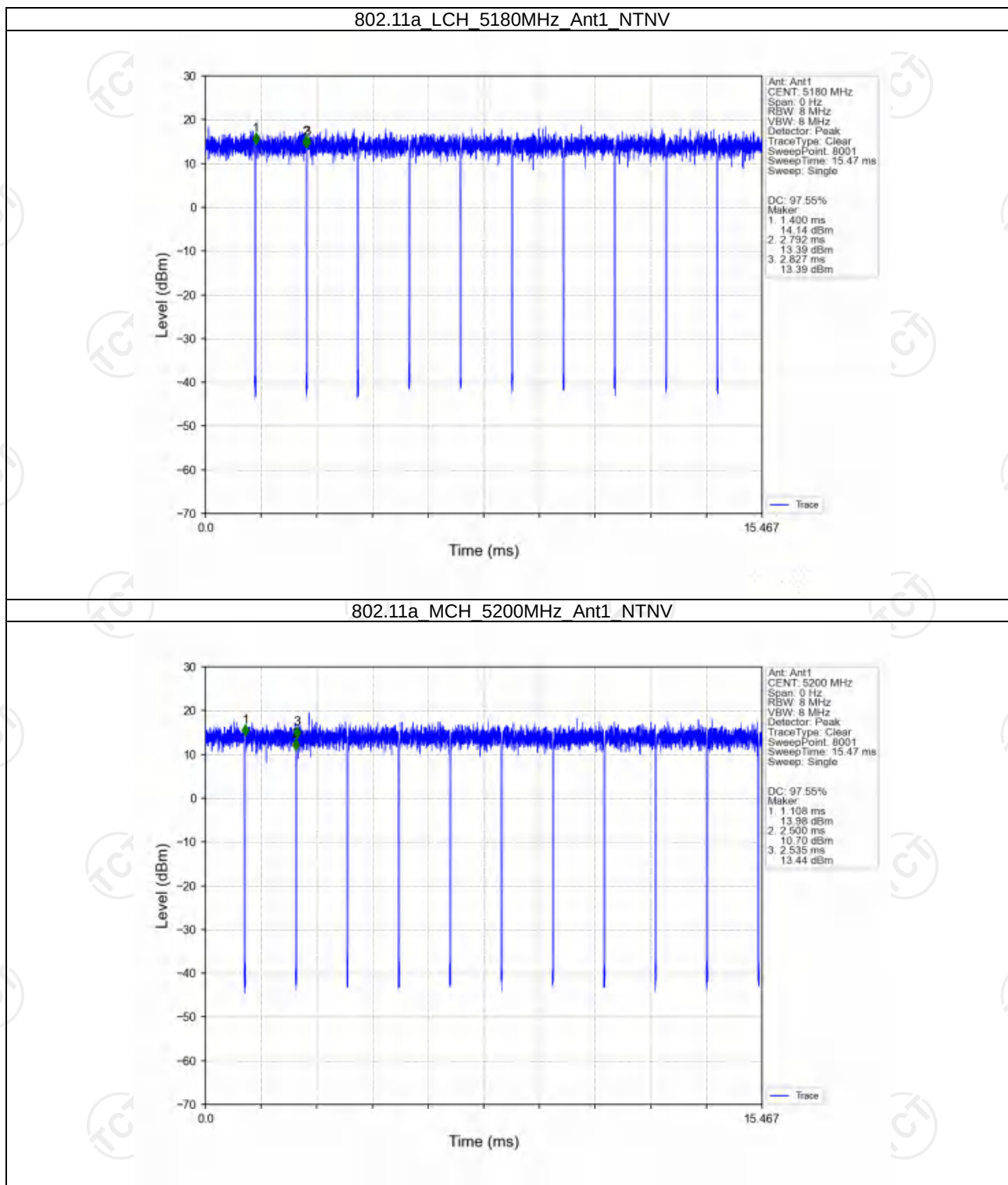
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.392	1.427	97.55	0.11	0.14
		5200	1.392	1.427	97.55	0.11	0.14
		5240	1.392	1.427	97.55	0.11	0.14
		5260	1.392	1.426	97.62	0.10	0.14
		5300	1.392	1.426	97.62	0.10	0.14
		5320	1.391	1.427	97.48	0.11	0.13
		5500	1.393	1.429	97.48	0.11	0.13
		5580	1.392	1.426	97.62	0.10	0.14
		5700	1.392	1.426	97.62	0.10	0.14
		5745	1.392	1.426	97.62	0.10	0.14
		5785	1.392	1.429	97.41	0.11	0.14
		5825	1.392	1.428	97.48	0.11	0.14
802.11n (HT20)	SISO	5180	1.302	1.336	97.46	0.11	0.00
		5200	1.300	1.336	97.31	0.12	0.13
		5240	1.300	1.336	97.31	0.12	0.13
		5260	1.301	1.336	97.38	0.12	0.00
		5300	1.301	1.337	97.31	0.12	0.13
		5320	1.301	1.335	97.45	0.11	0.00
		5500	1.302	1.336	97.46	0.11	0.00
		5580	1.301	1.336	97.38	0.12	0.00
		5700	1.302	1.336	97.46	0.11	0.00
		5745	1.301	1.335	97.45	0.11	0.00
		5785	1.300	1.335	97.38	0.12	0.12
		5825	1.300	1.336	97.31	0.12	0.13
802.11n (HT40)	SISO	5190	0.649	0.683	95.02	0.22	0.14
		5230	0.649	0.683	95.02	0.22	0.14
		5270	0.649	0.683	95.02	0.22	0.13
		5310	0.648	0.683	94.88	0.23	0.14
		5510	0.648	0.683	94.88	0.23	0.13
		5550	0.648	0.683	94.88	0.23	0.14
		5670	0.649	0.684	94.88	0.23	0.14
		5755	0.648	0.682	95.01	0.22	0.14
		5795	0.648	0.682	95.01	0.22	0.14
802.11ac (VHT20)	SISO	5180	1.300	1.336	97.31	0.12	0.14
		5200	1.300	1.336	97.31	0.12	0.13
		5240	1.301	1.335	97.45	0.11	0.00
		5260	1.301	1.337	97.31	0.12	0.13
		5300	1.300	1.335	97.38	0.12	0.12
		5320	1.300	1.335	97.38	0.12	0.12
		5500	1.302	1.336	97.46	0.11	0.00
		5580	1.302	1.336	97.46	0.11	0.00
		5700	1.302	1.336	97.46	0.11	0.00
		5745	1.299	1.335	97.30	0.12	0.13
		5785	1.300	1.336	97.31	0.12	0.13
		5825	1.299	1.335	97.30	0.12	0.13
802.11ac (VHT40)	SISO	5190	0.648	0.682	95.01	0.22	0.14
		5230	0.648	0.683	94.88	0.23	0.14
		5270	0.648	0.683	94.88	0.23	0.13
		5310	0.649	0.684	94.88	0.23	0.13
		5510	0.649	0.683	95.02	0.22	0.14
		5550	0.649	0.684	94.88	0.23	0.13

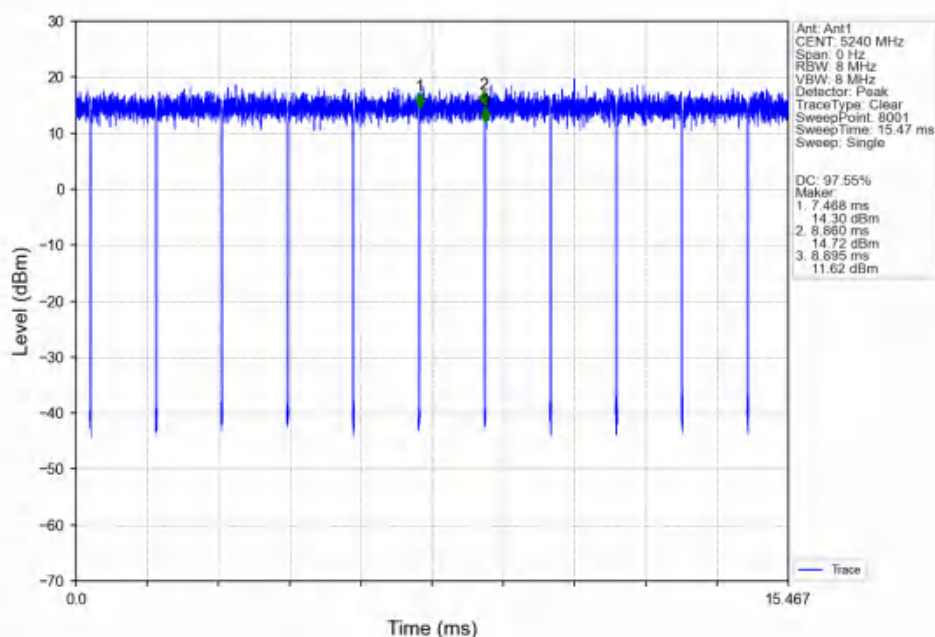
		5670	0.648	0.683	94.88	0.23	0.13
		5755	0.649	0.683	95.02	0.22	0.13
		5795	0.648	0.682	95.01	0.22	0.14

1.2 Test Graph

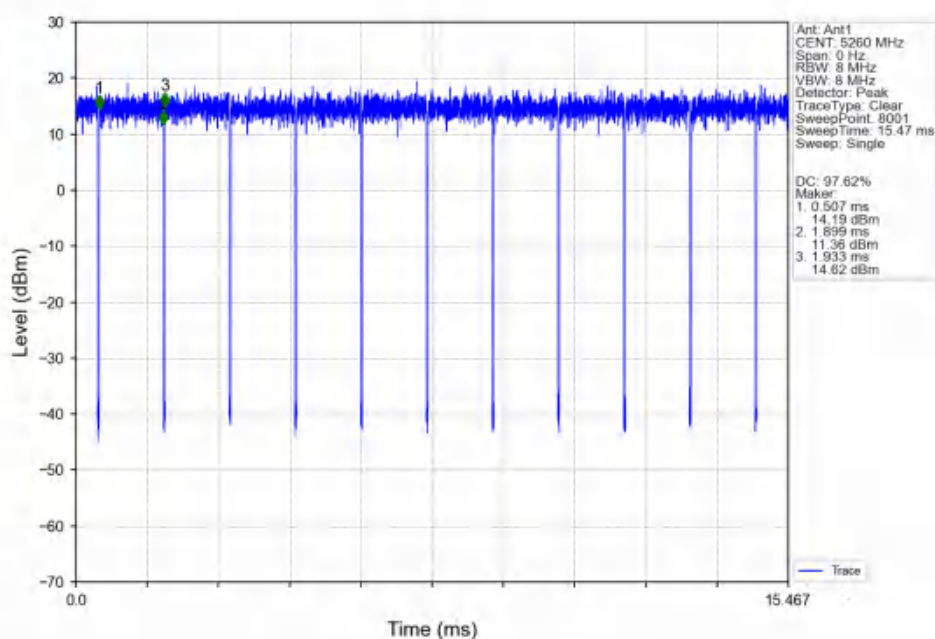
1.2.1 Ant1



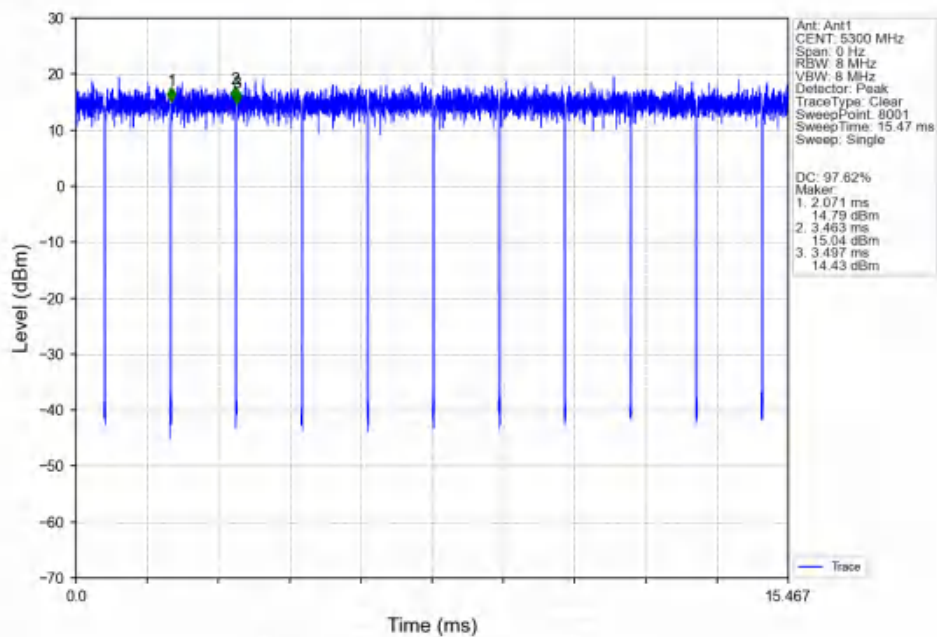
802.11a_HCH_5240MHz_Ant1_NTNV



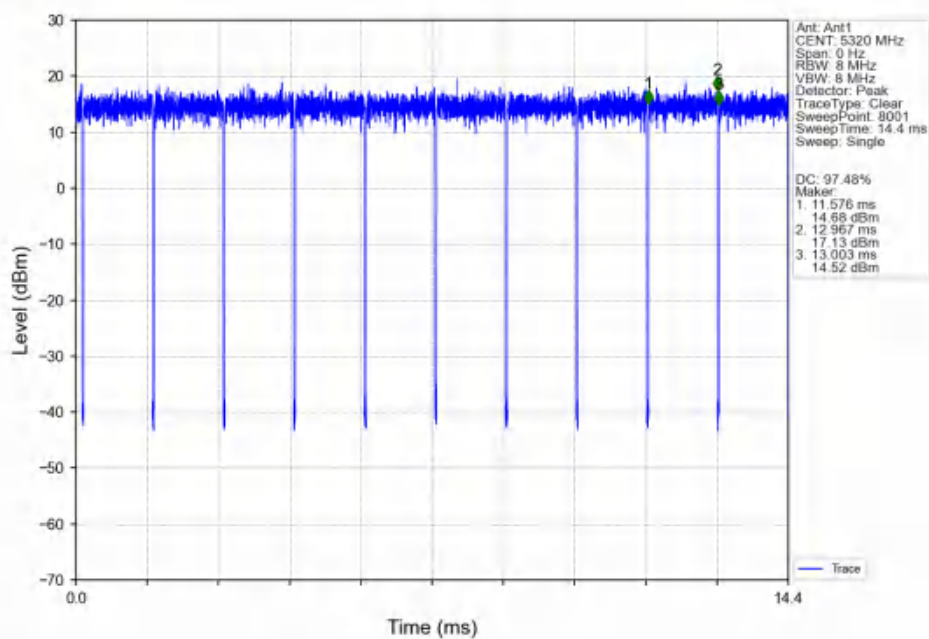
802.11a_LCH_5260MHz_Ant1_NTNV



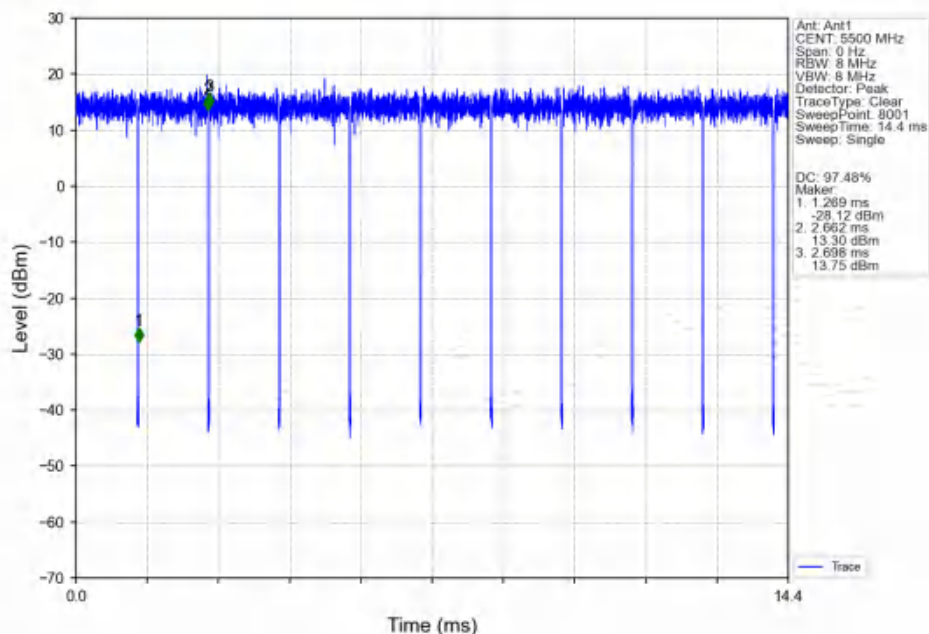
802.11a_MCH_5300MHz_Ant1_NTNV



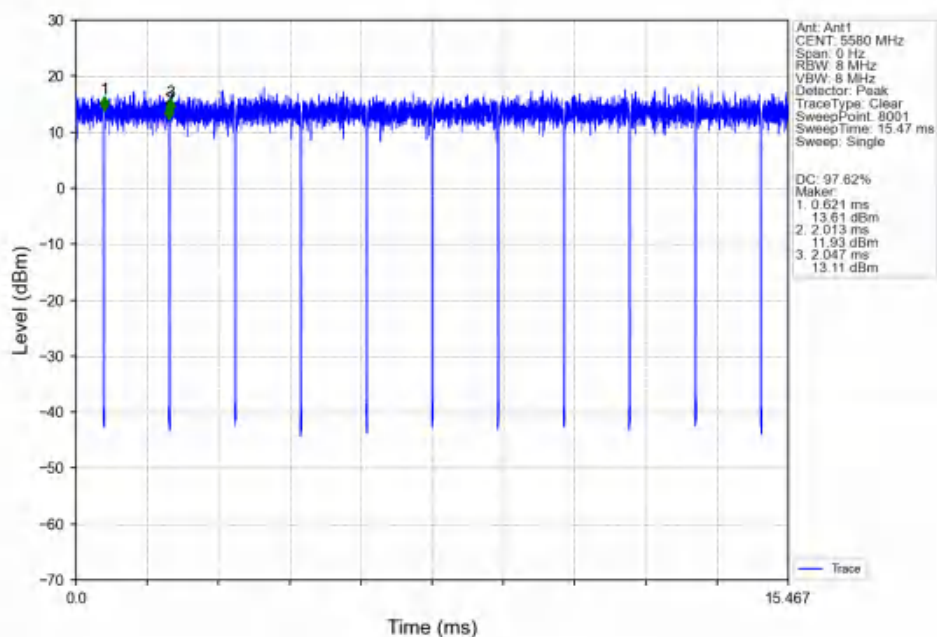
802.11a_HCH_5320MHz_Ant1_NTNV



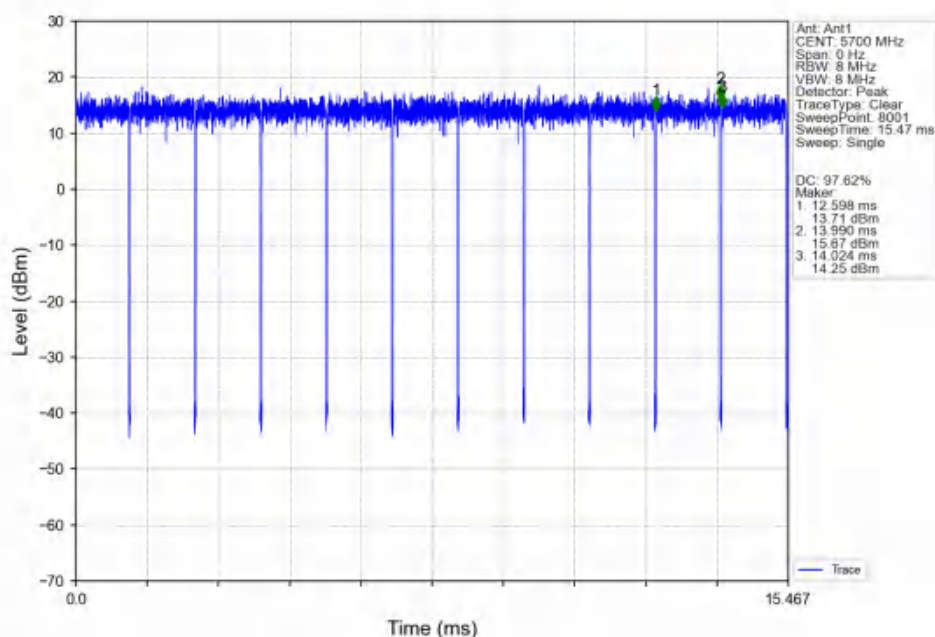
802.11a_LCH_5500MHz_Ant1_NTNV



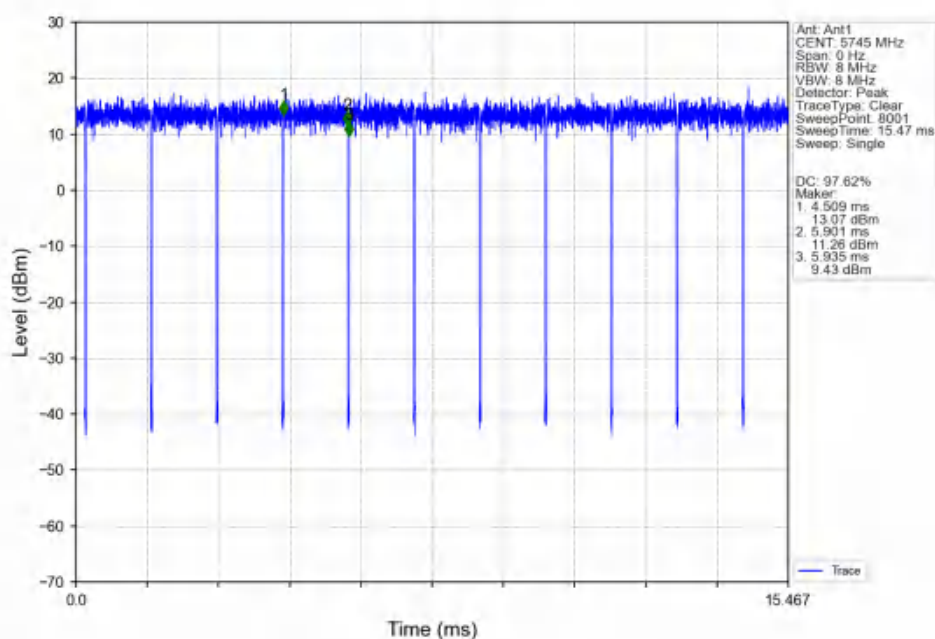
802.11a_MCH_5580MHz_Ant1_NTNV



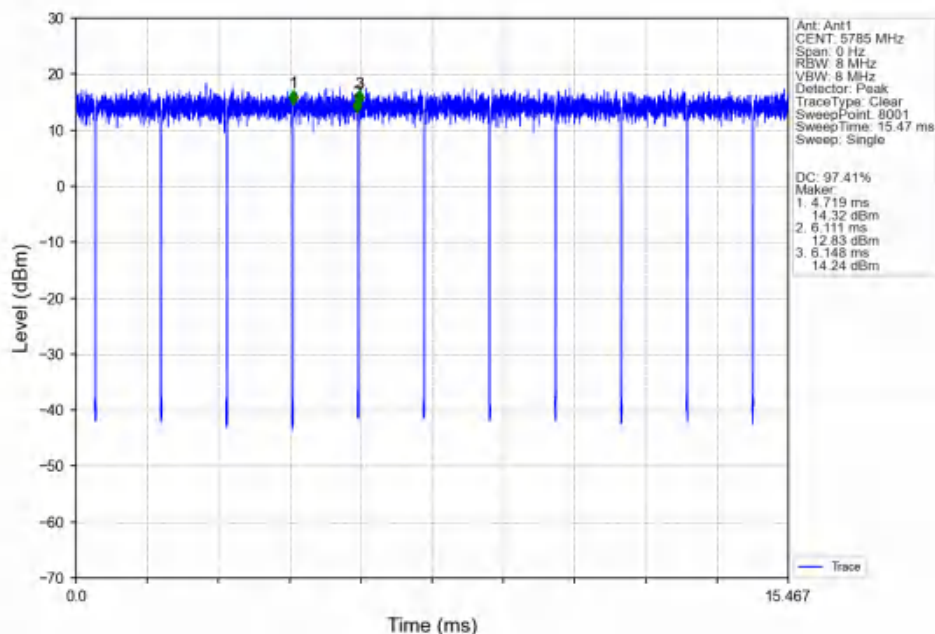
802.11a_HCH_5700MHz_Ant1_NTNV



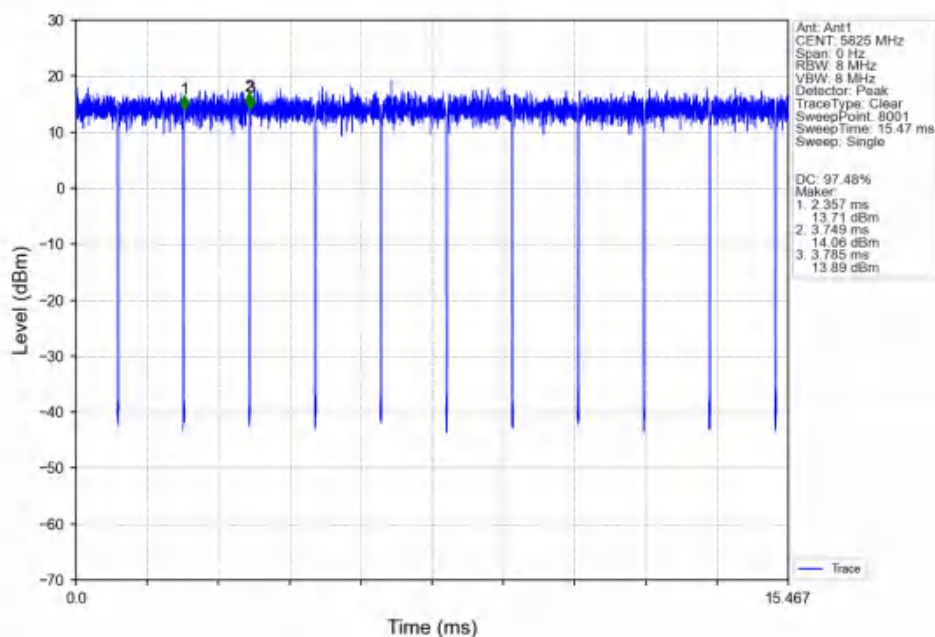
802.11a_LCH_5745MHz_Ant1_NTNV



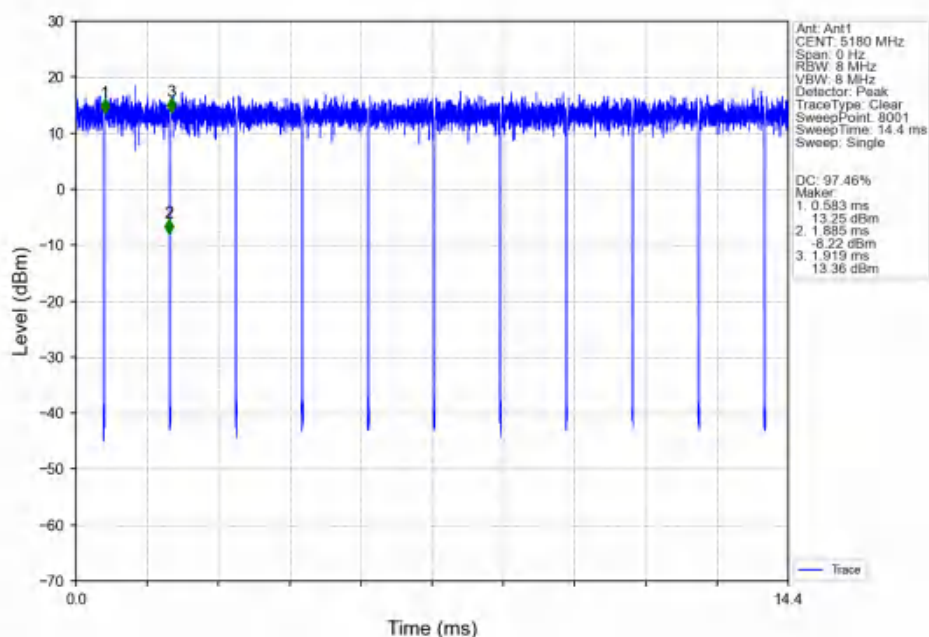
802.11a_MCH_5785MHz_Ant1_NTNV



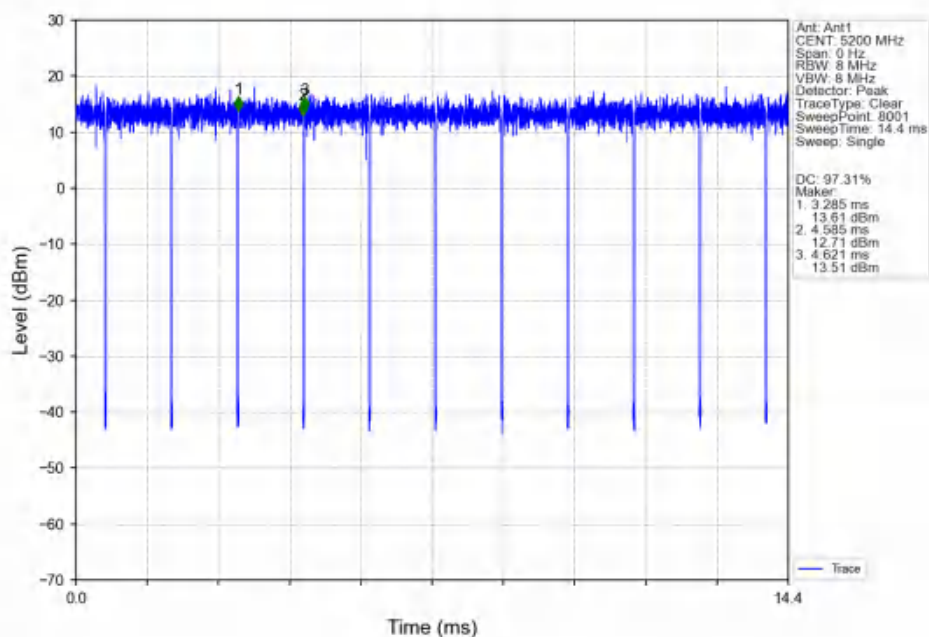
802.11a_HCH_5825MHz_Ant1_NTNV



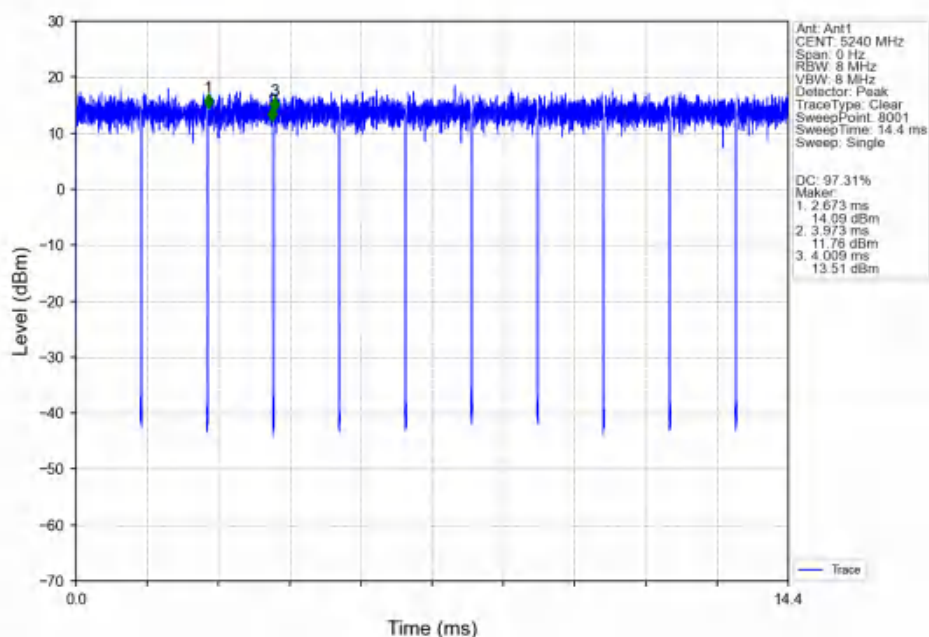
802.11n(HT20) LCH_5180MHz_Ant1_NTNV



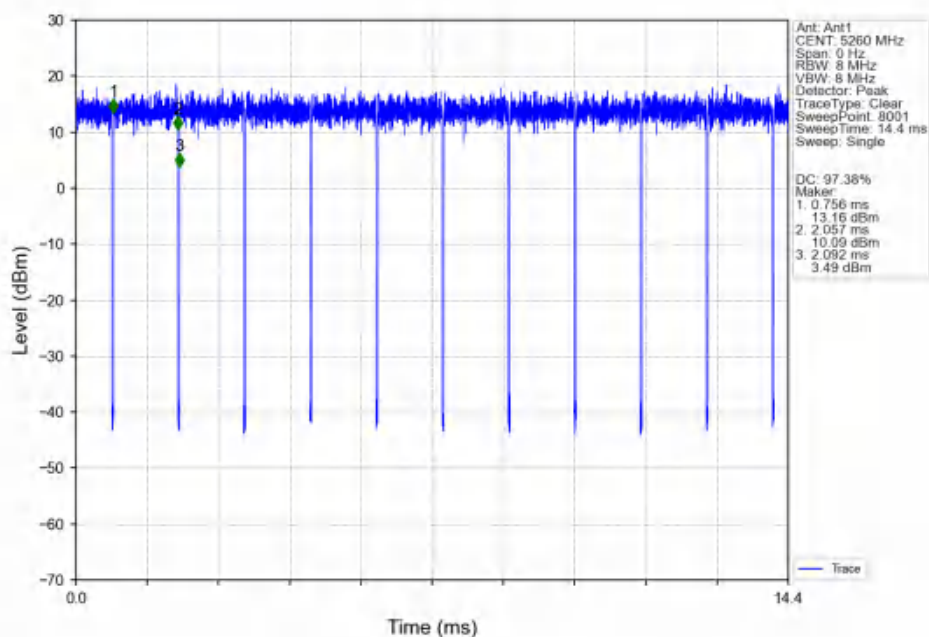
802.11n(HT20) MCH_5200MHz_Ant1_NTNV



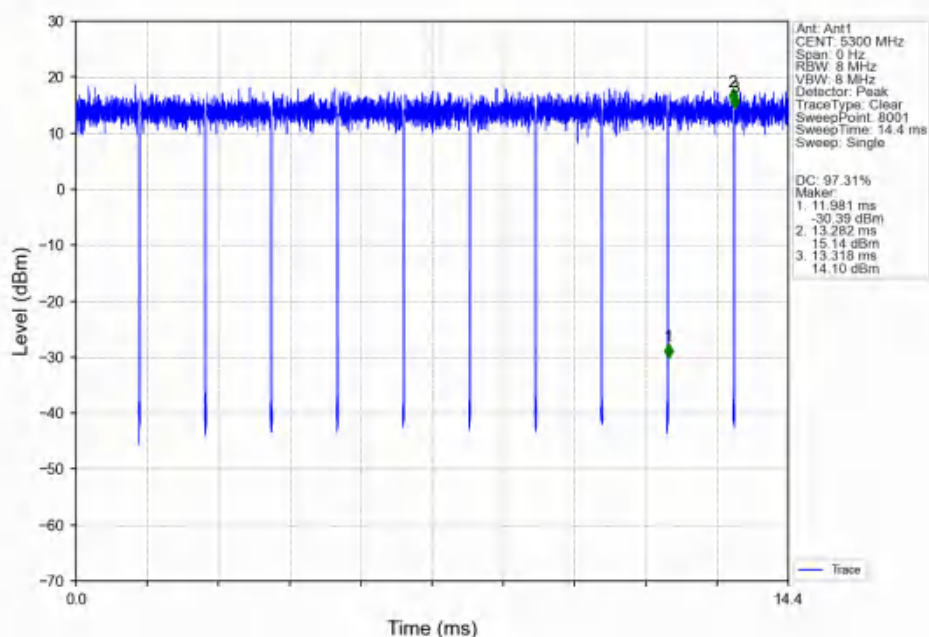
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



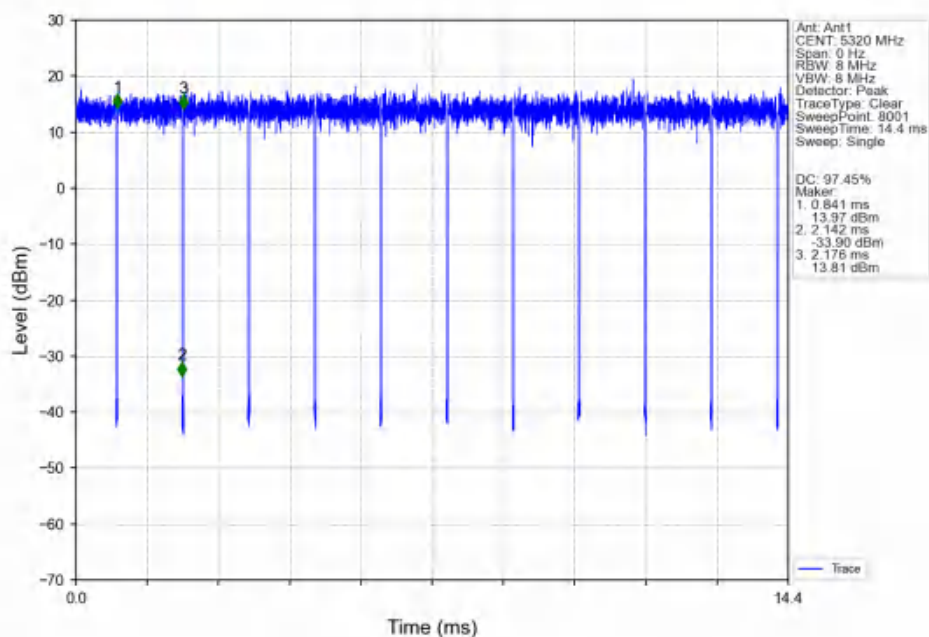
802.11n(HT20) LCH 5260MHz_Ant1_NTNV



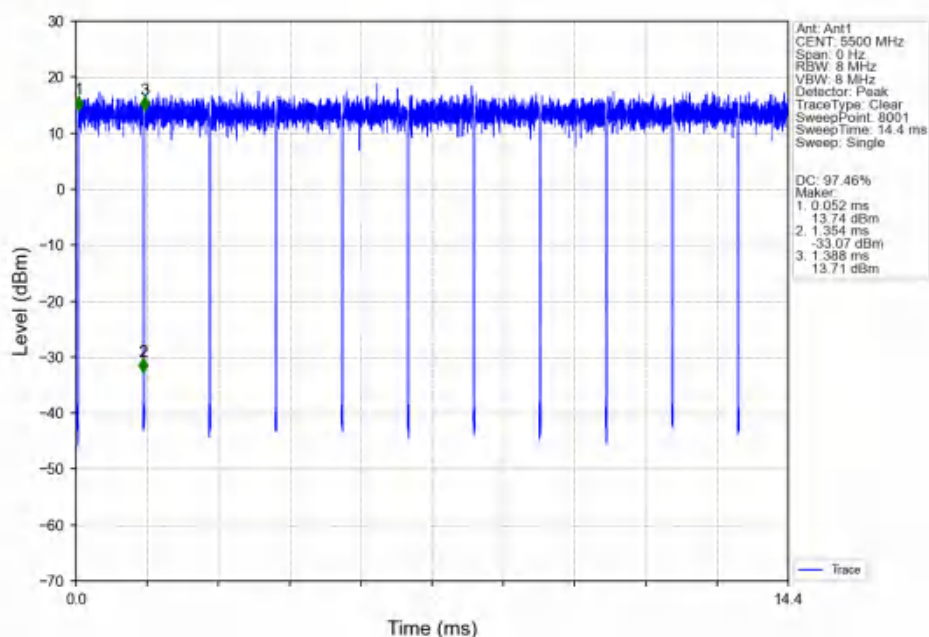
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



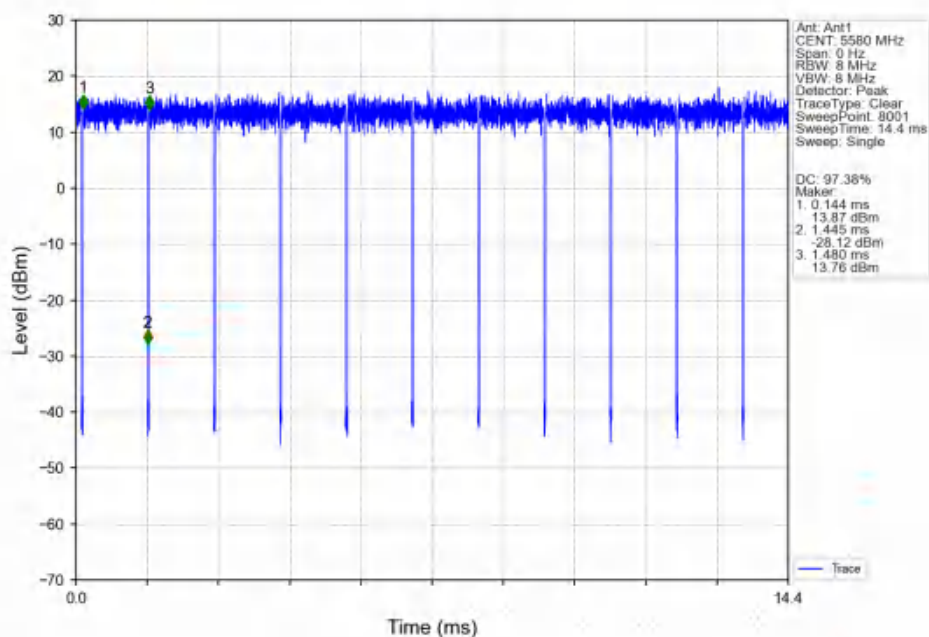
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



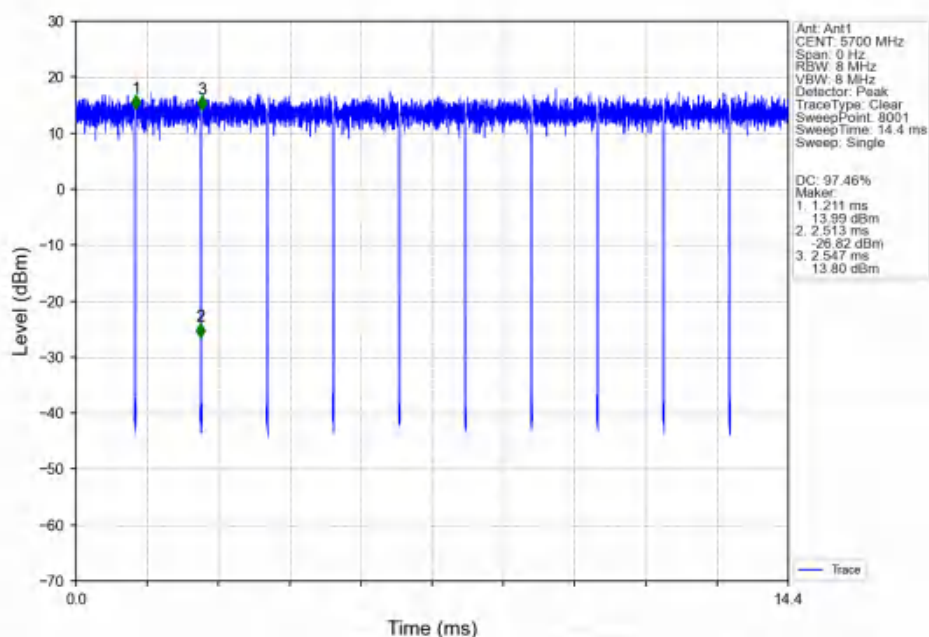
802.11n(HT20) LCH_5500MHz_Ant1_NTNV



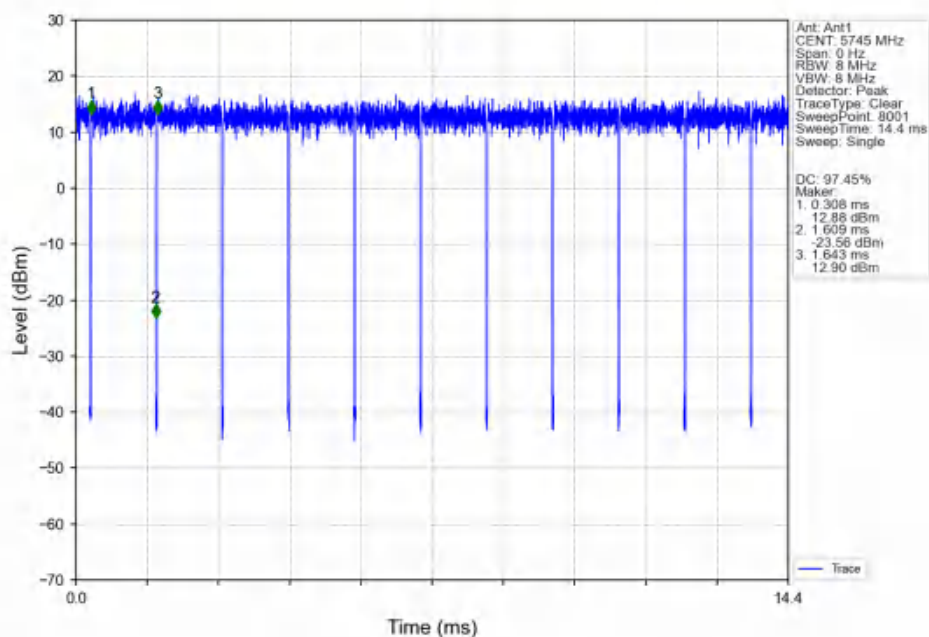
802.11n(HT20) MCH_5580MHz_Ant1_NTNV



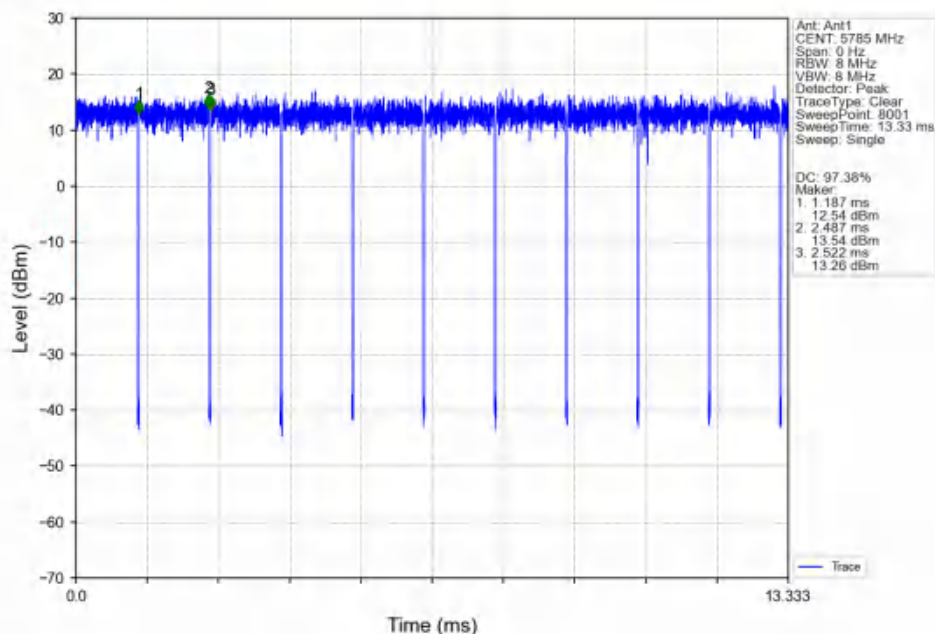
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



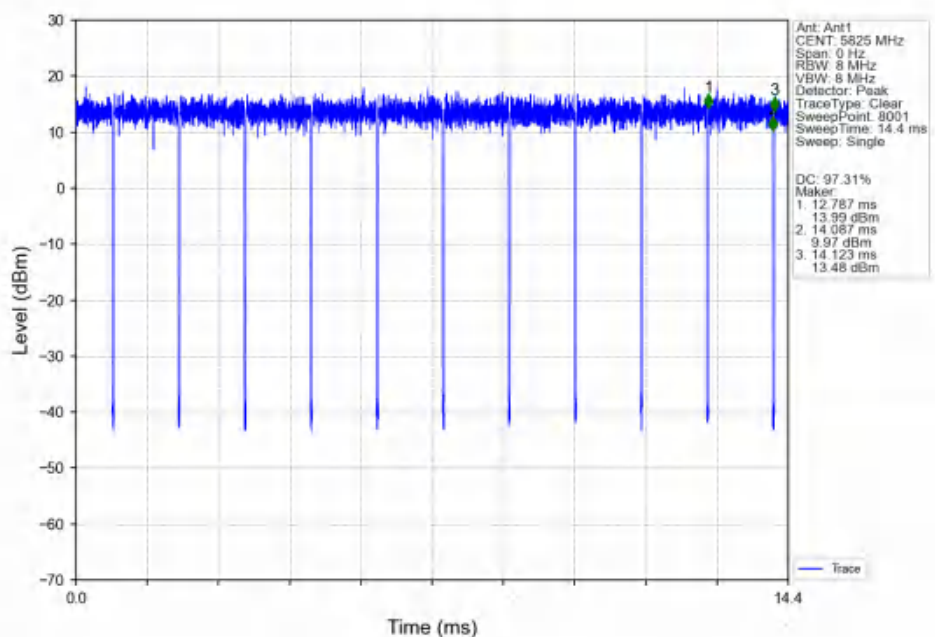
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



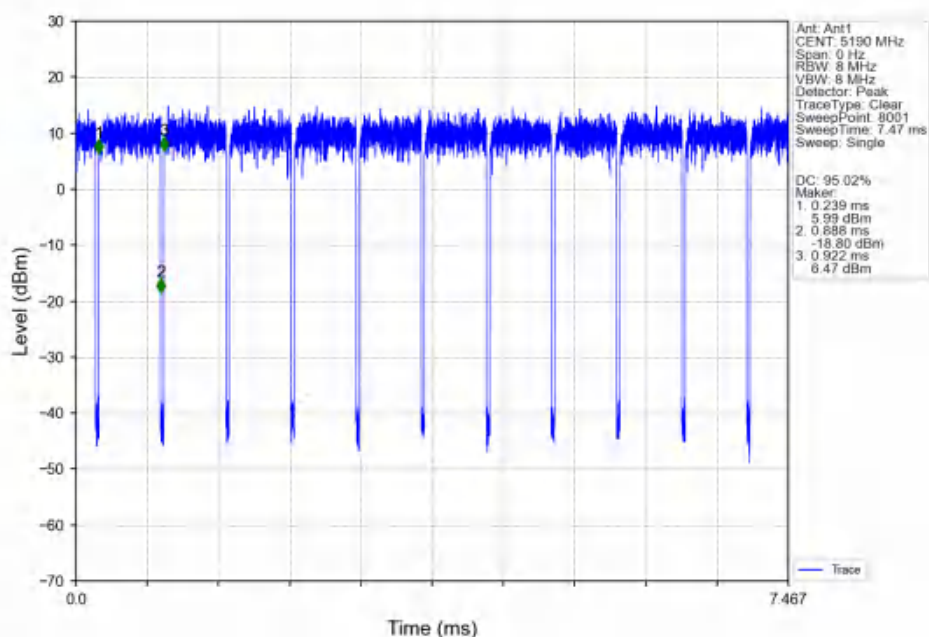
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



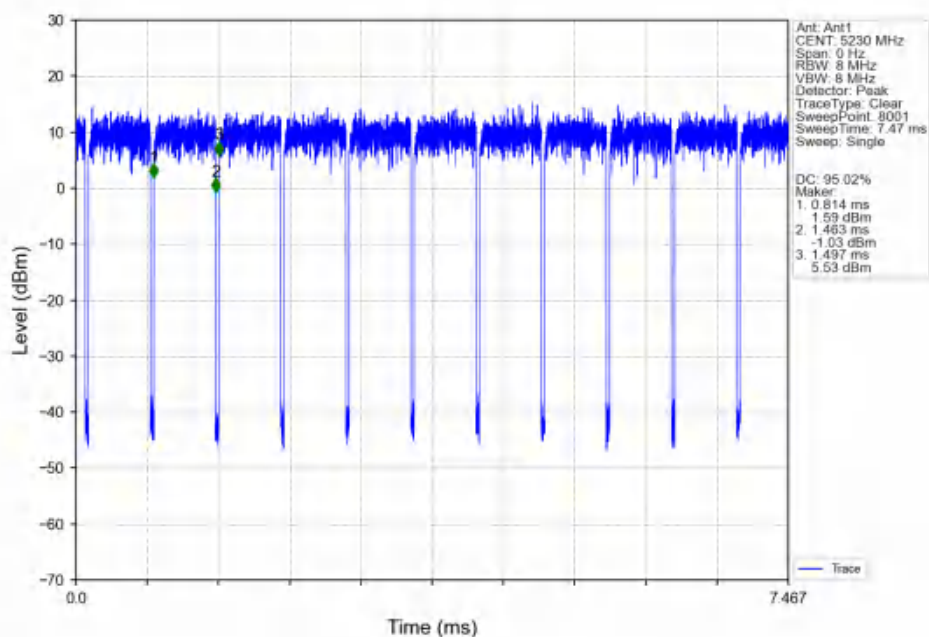
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



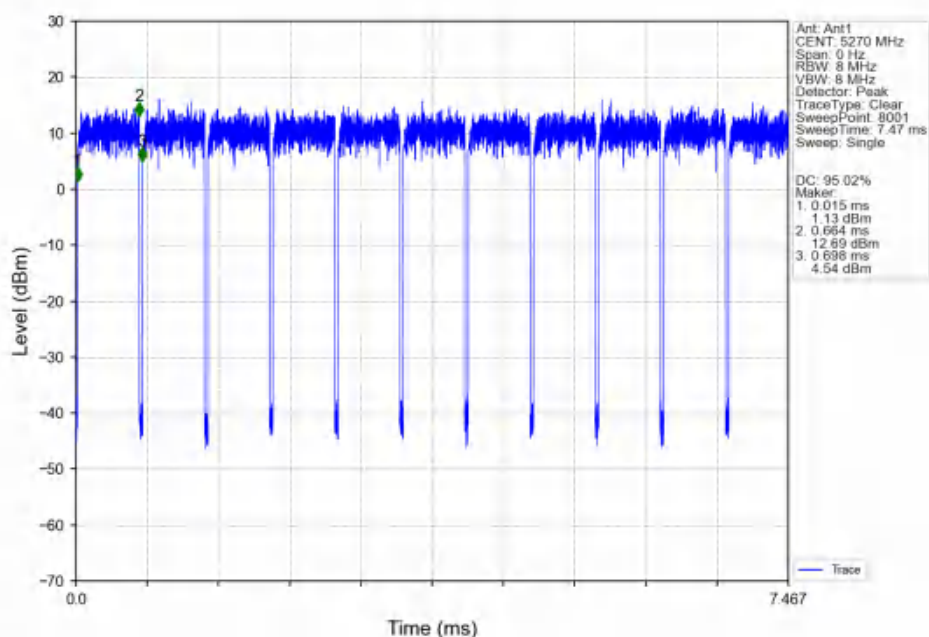
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



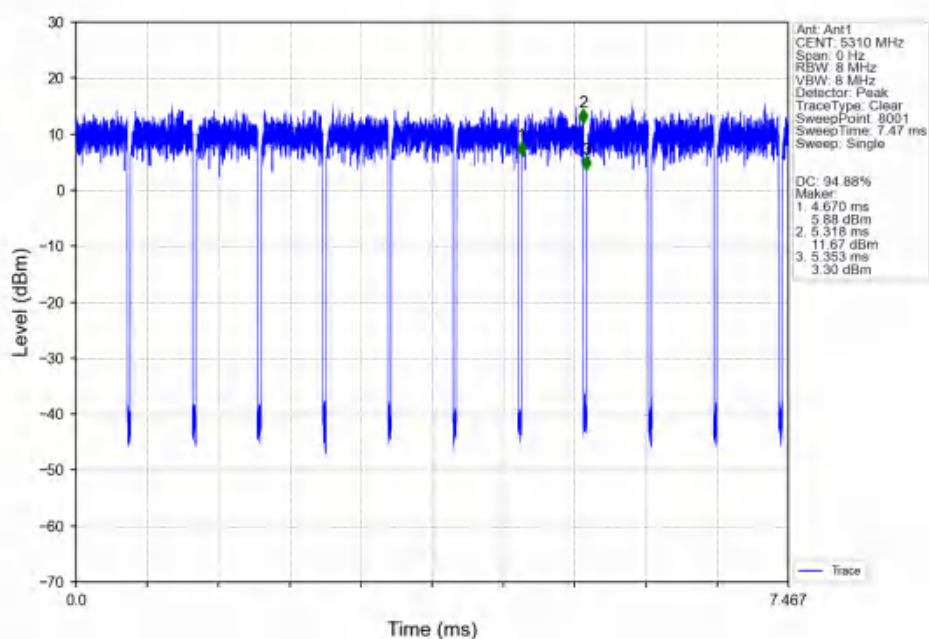
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



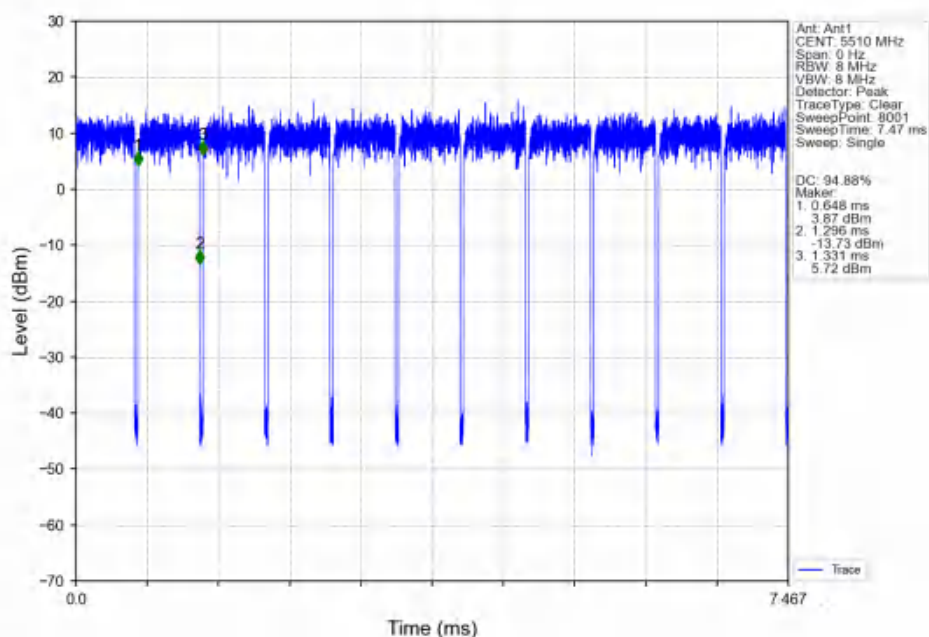
802.11n(HT40) LCH 5270MHz_Ant1_NTNV



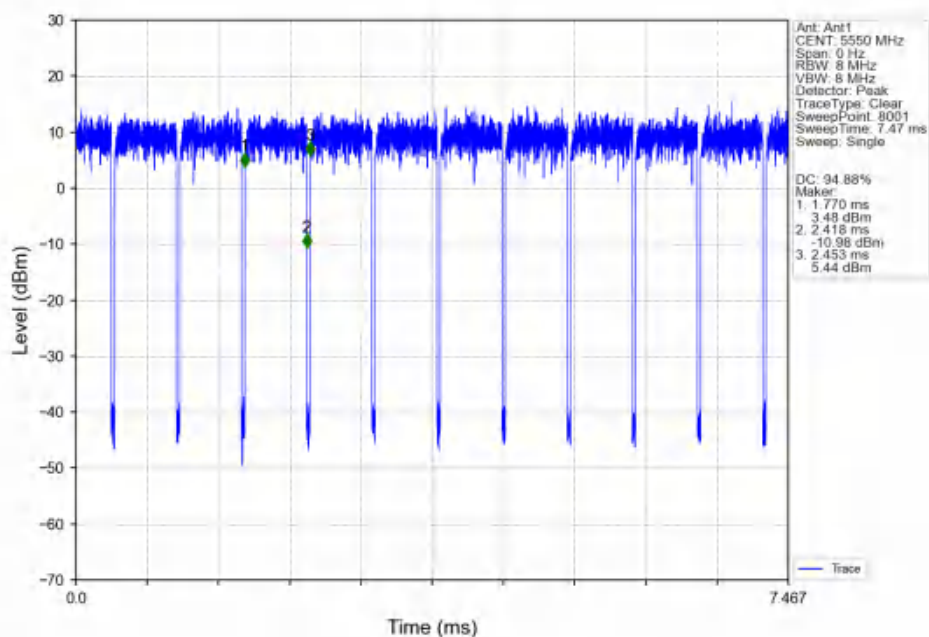
802.11n(HT40) HCH 5310MHz_Ant1_NTNV



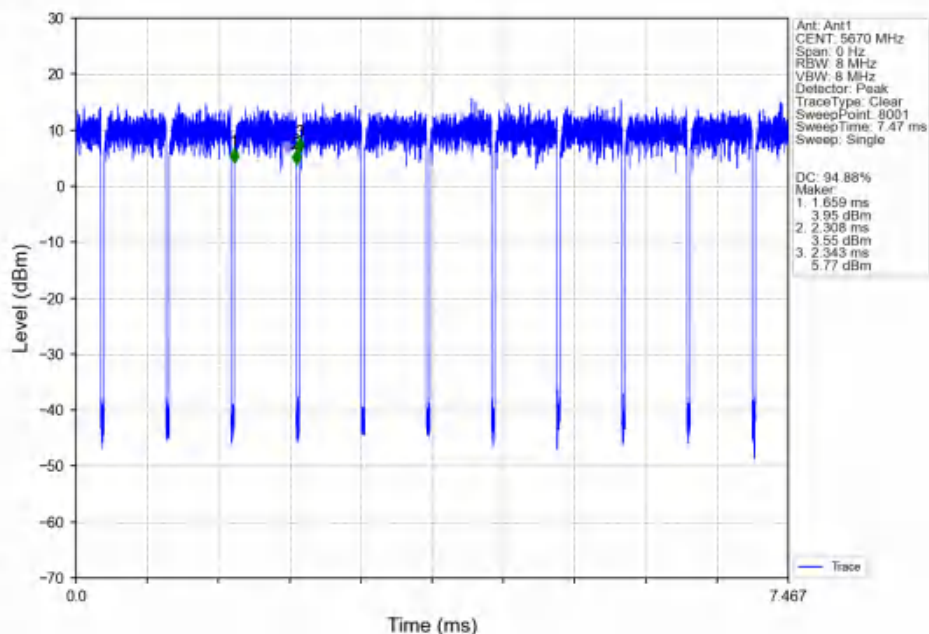
802.11n(HT40) LCH_5510MHz_Ant1_NTNV



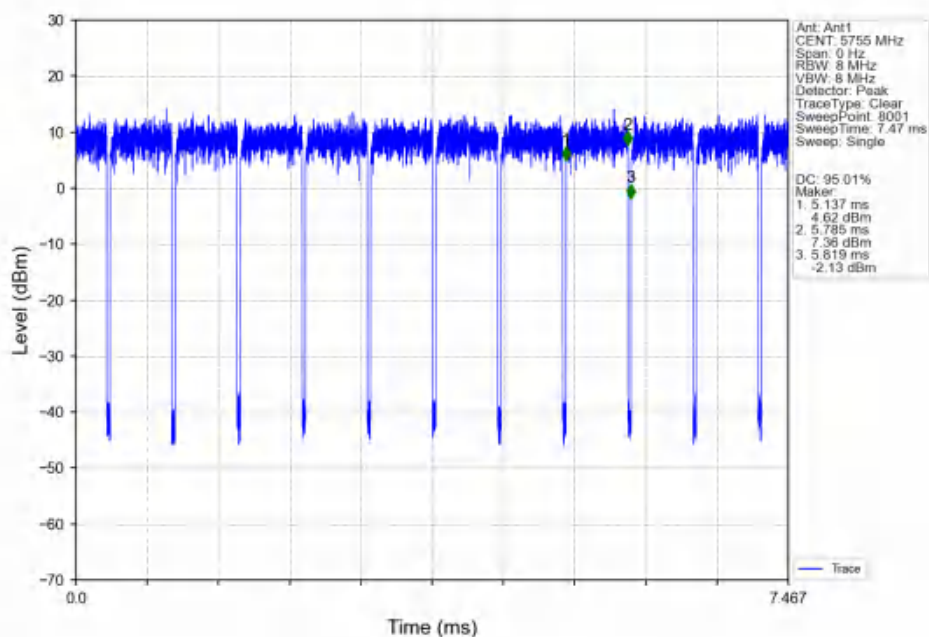
802.11n(HT40) MCH_5550MHz_Ant1_NTNV



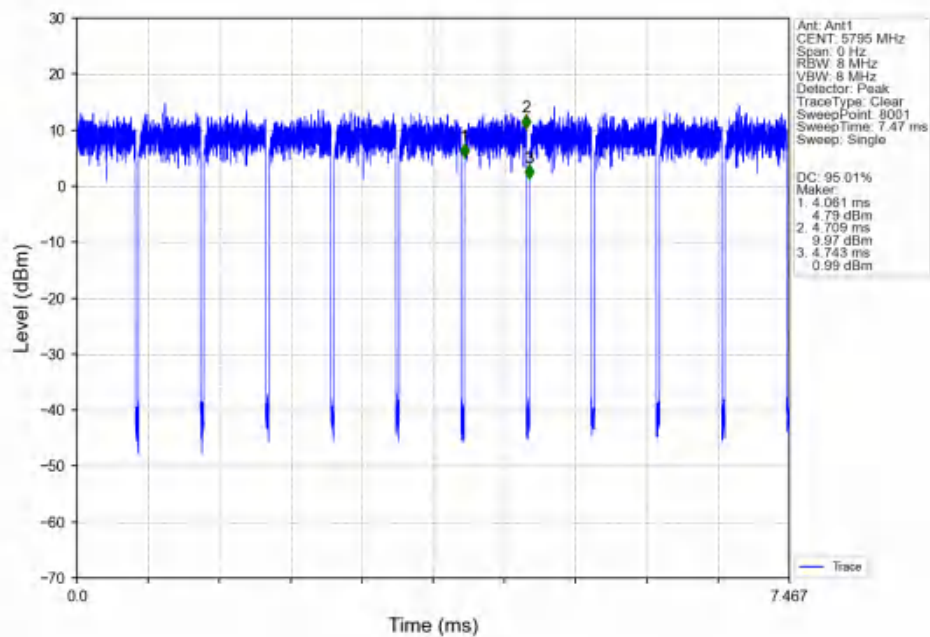
802.11n(HT40) HCH 5670MHz_Ant1_NTNV



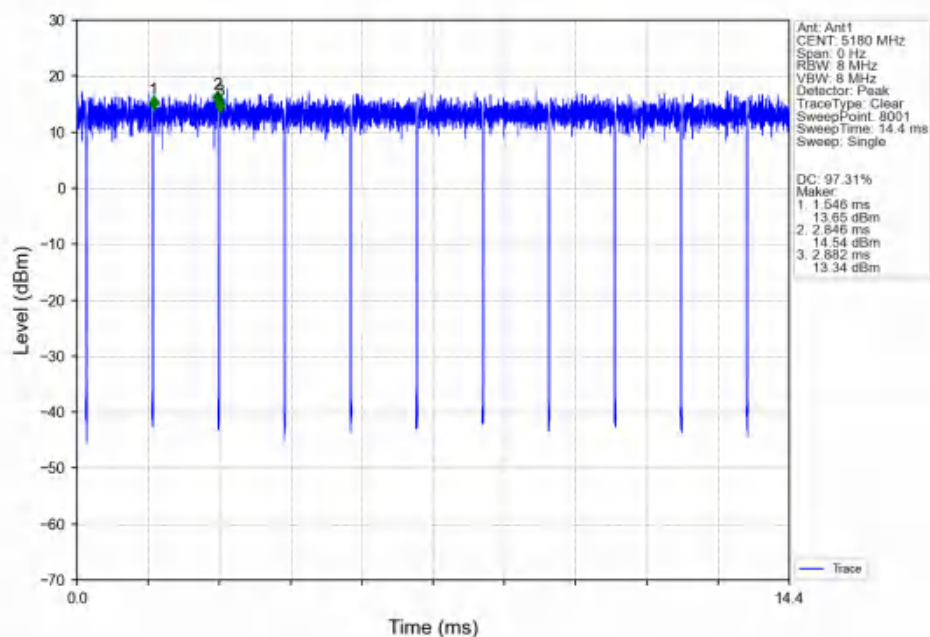
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



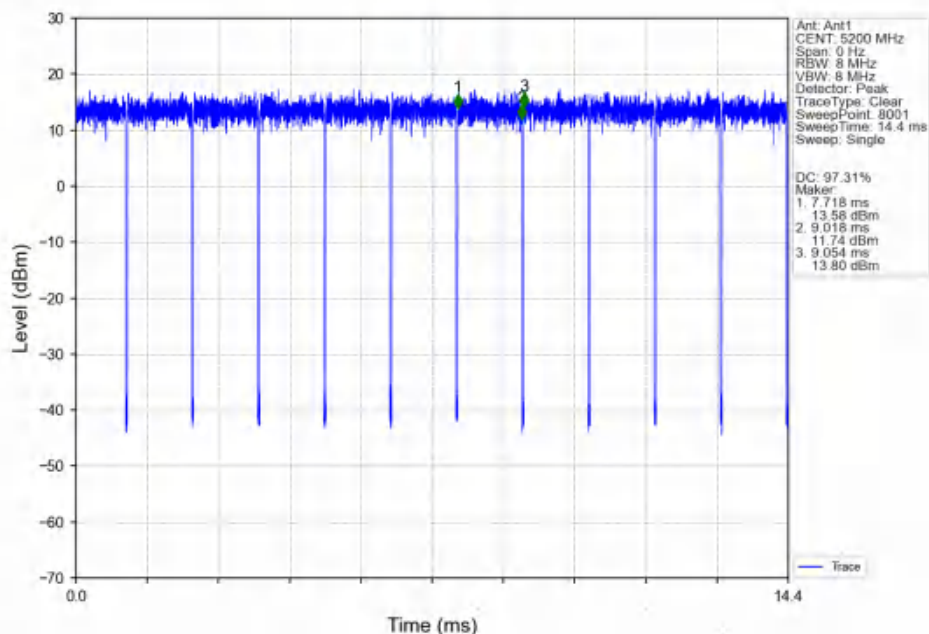
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



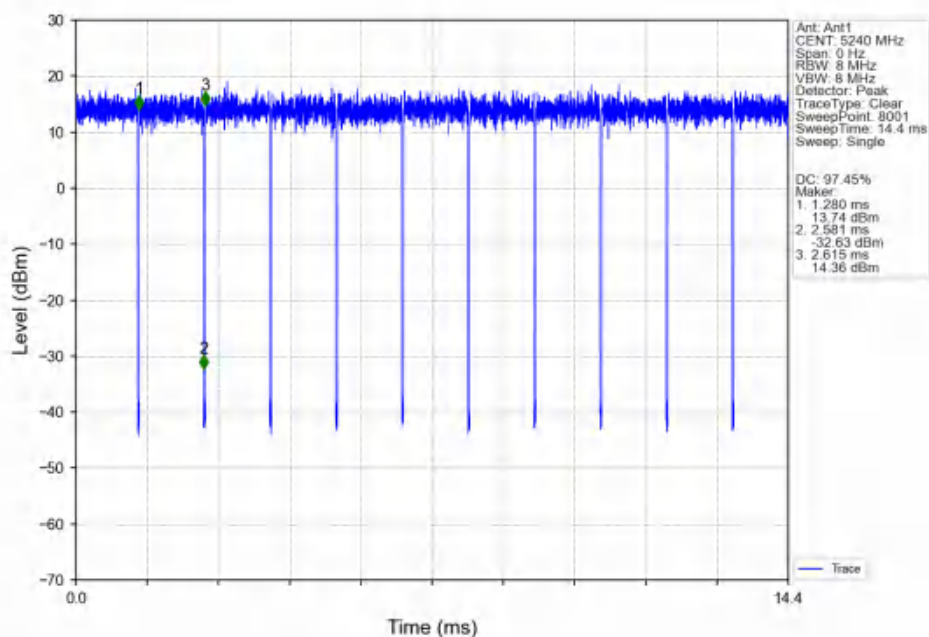
802.11ac(VHT20) LCH 5180MHz_Ant1_NTNV



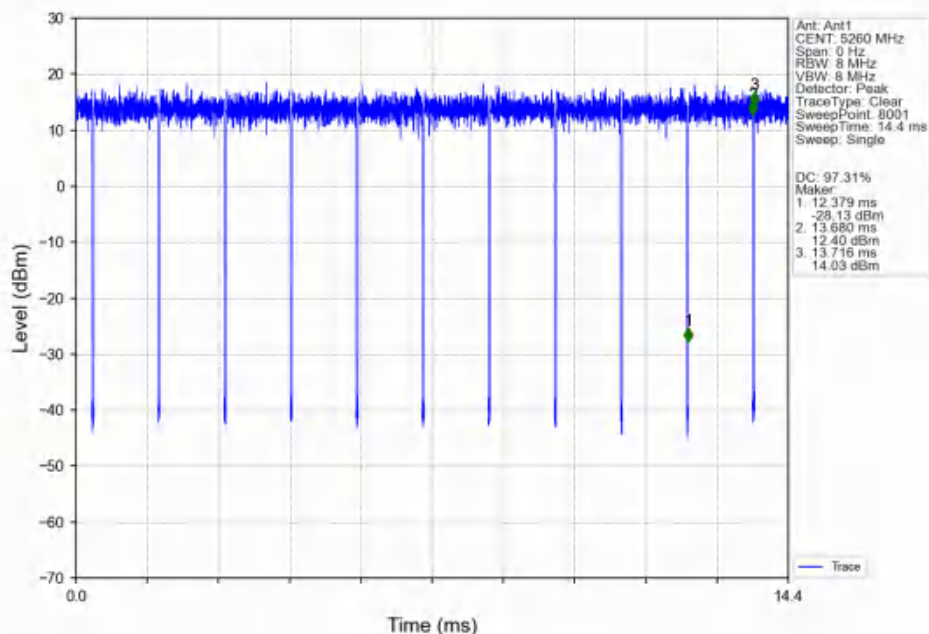
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



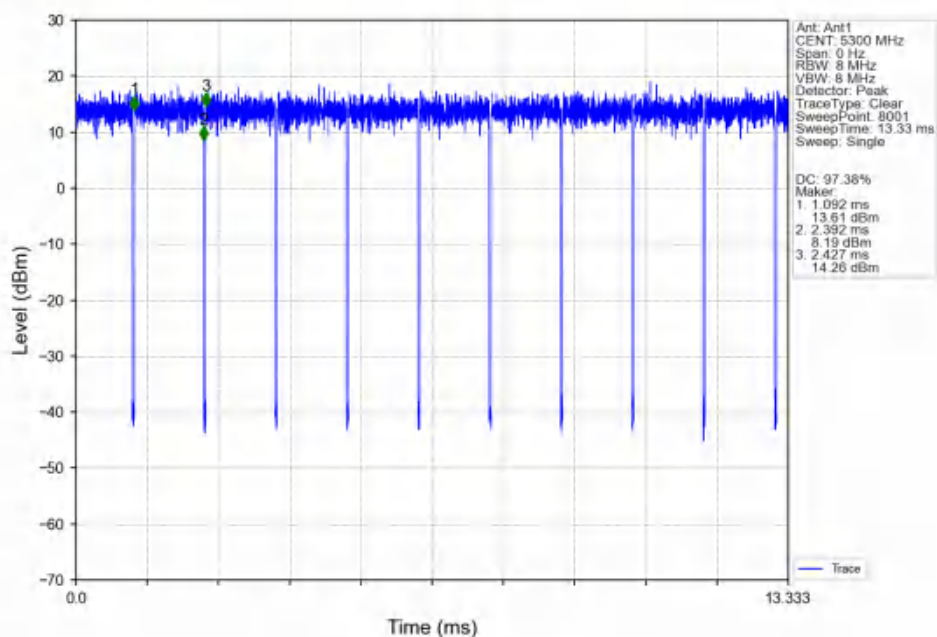
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



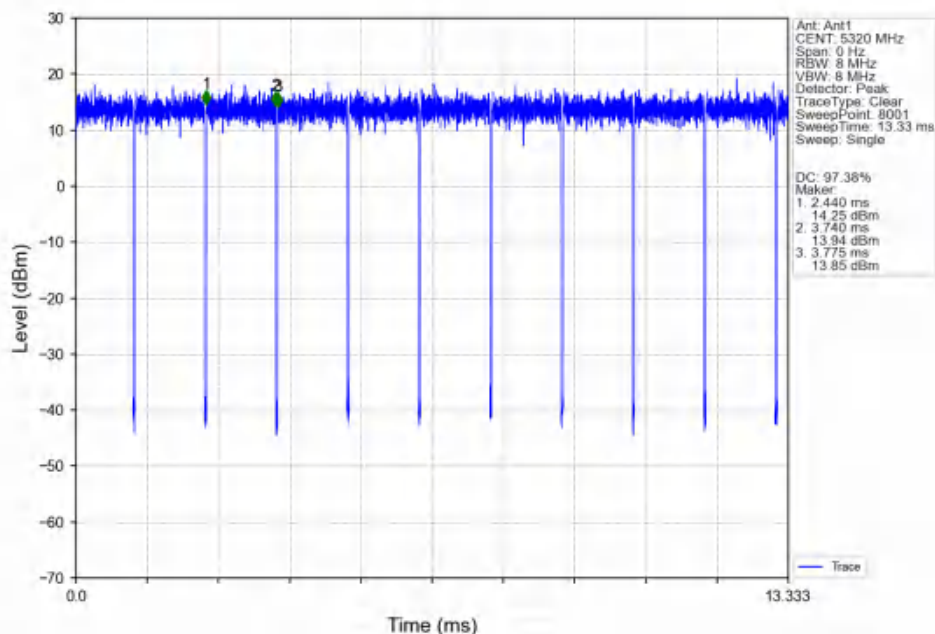
802.11ac(VHT20) LCH_5260MHz_Ant1_NTNV



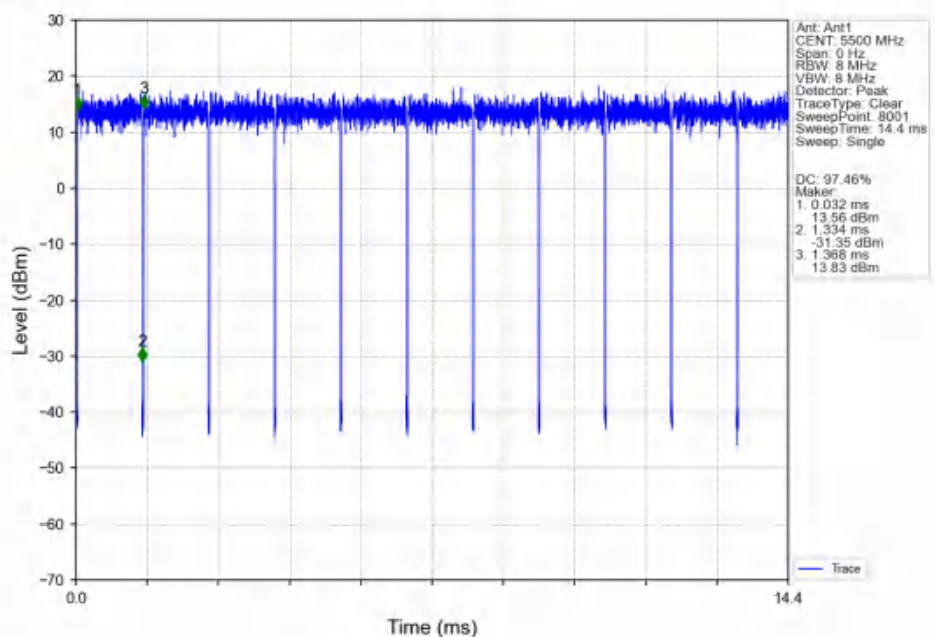
802.11ac(VHT20) MCH_5300MHz_Ant1_NTNV



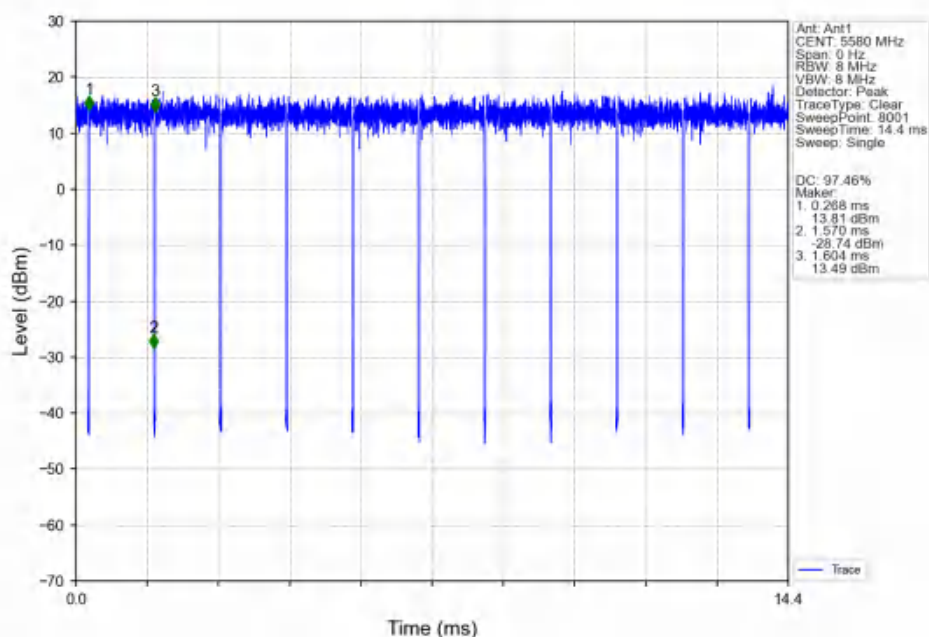
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



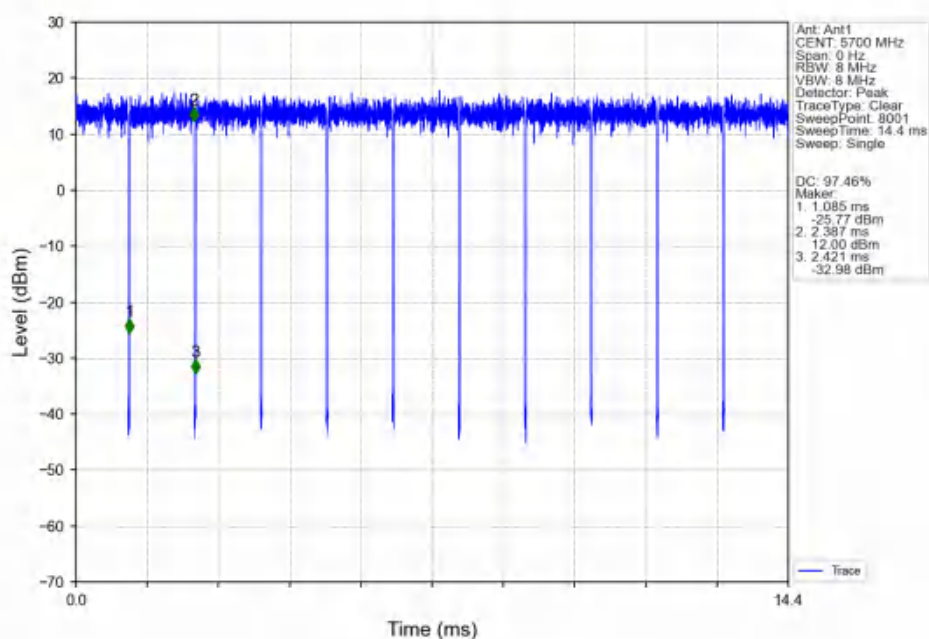
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



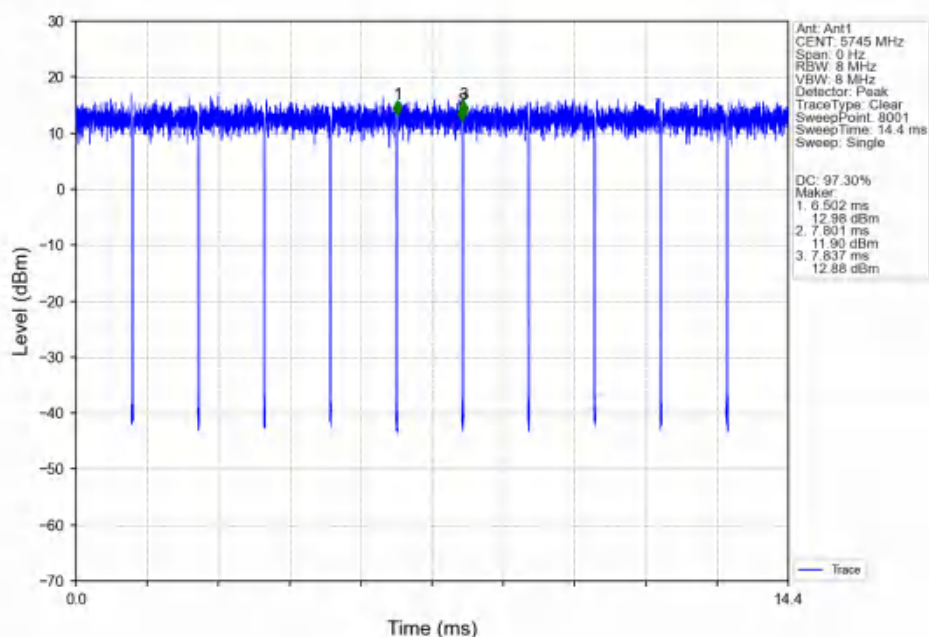
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



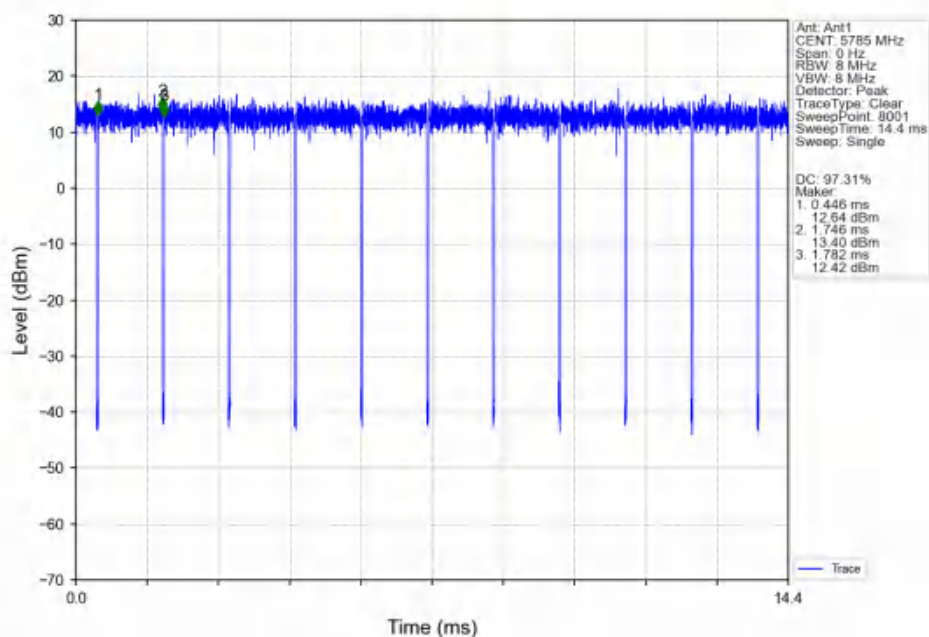
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



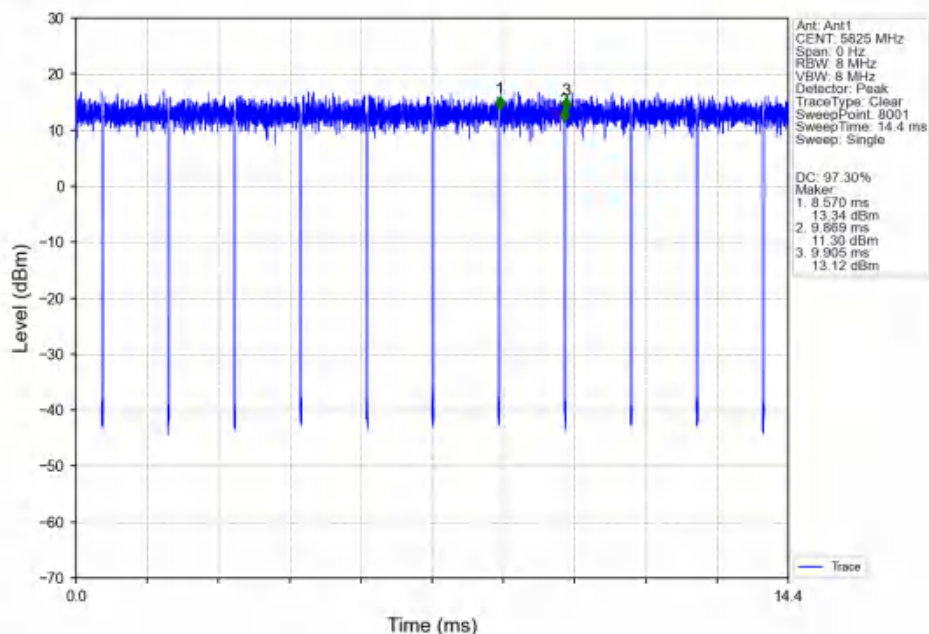
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



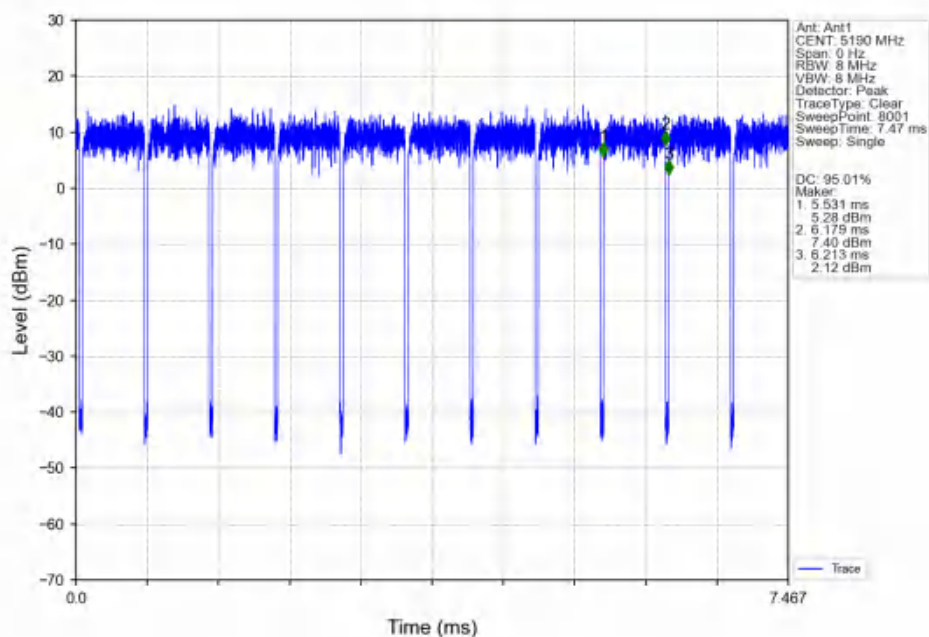
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



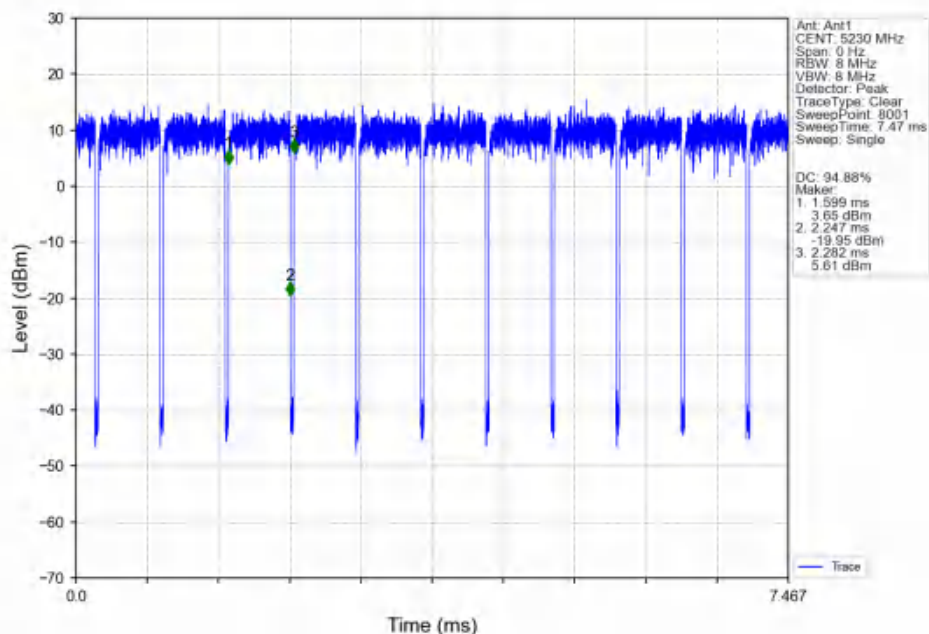
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



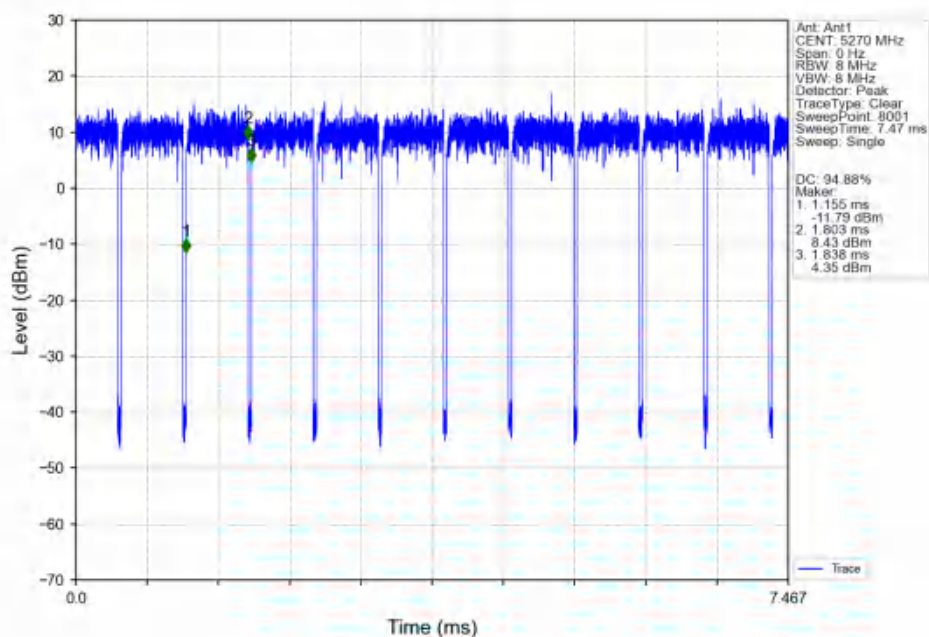
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



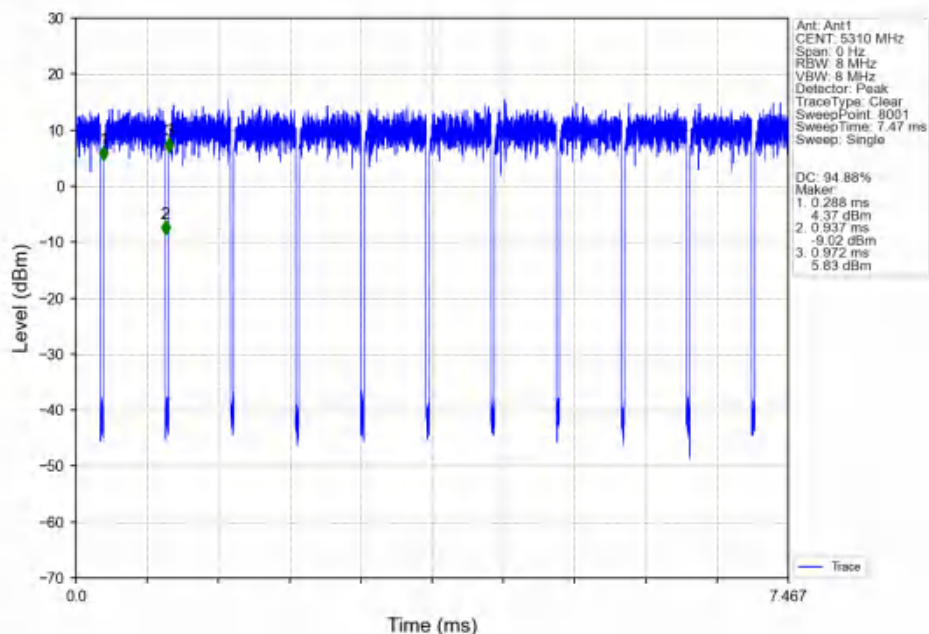
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



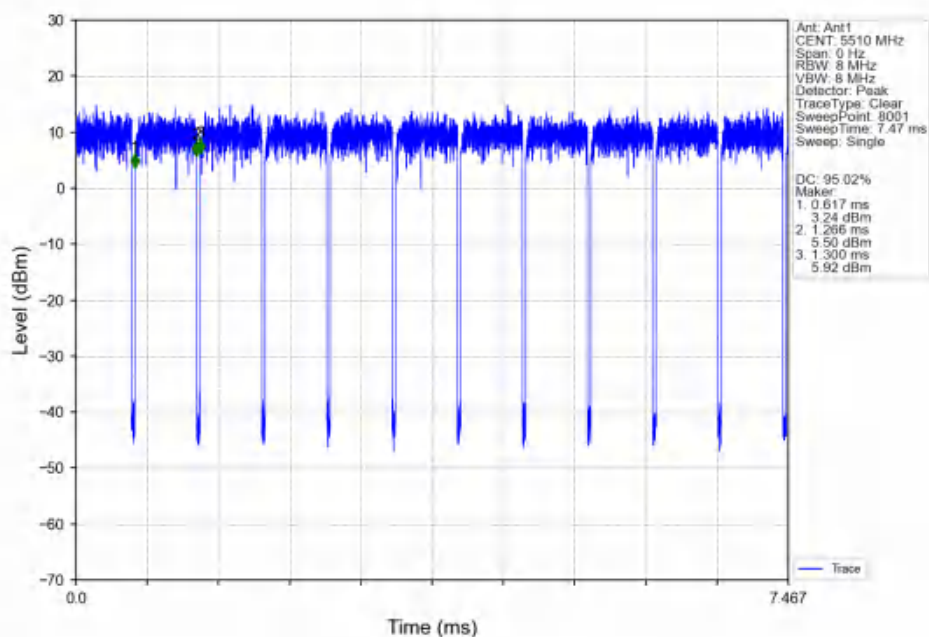
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



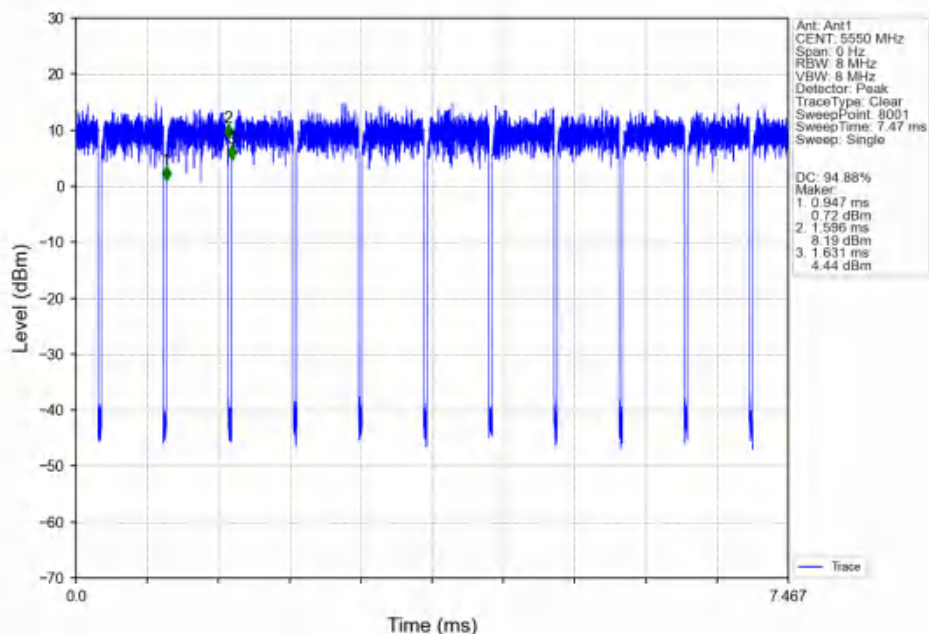
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



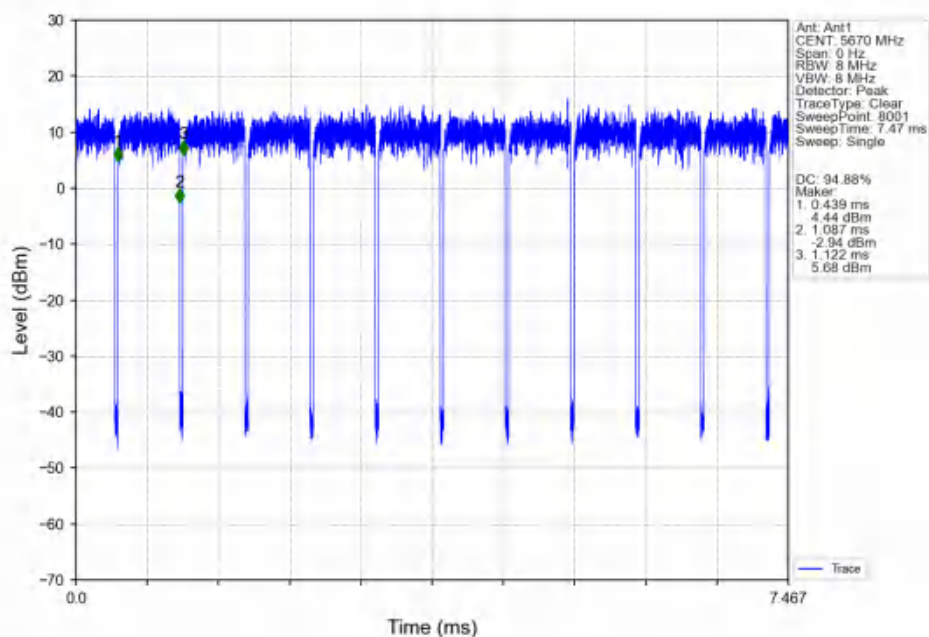
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



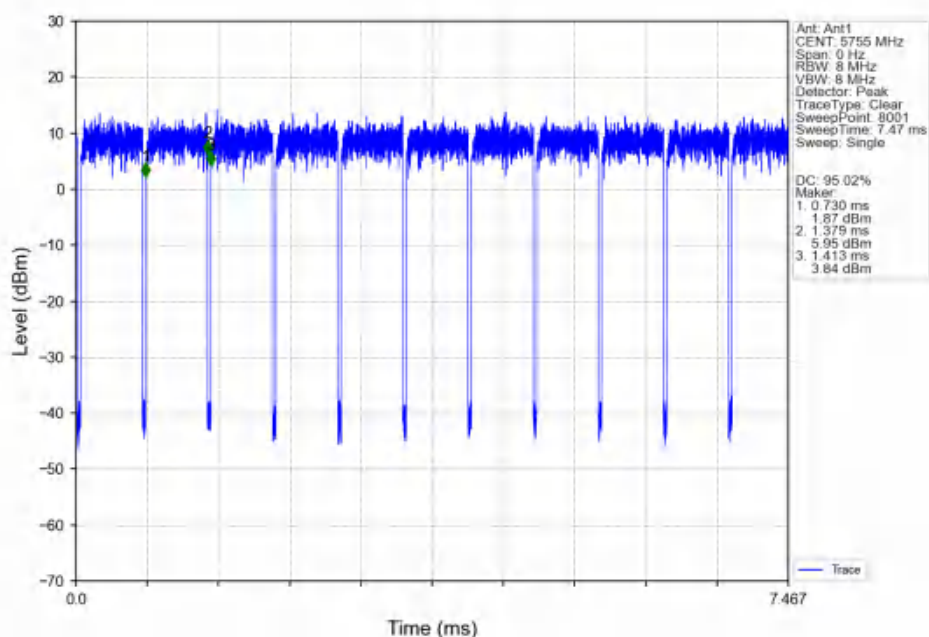
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



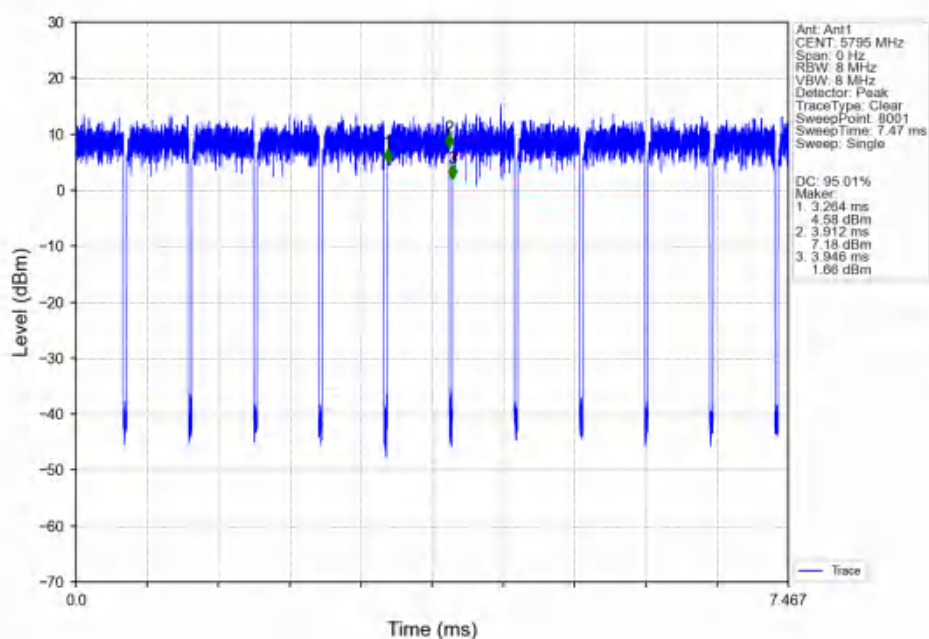
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.543	/	Pass
		5200	1	17.521	/	Pass
		5240	1	17.582	/	Pass
		5260	1	17.507	/	Pass
		5300	1	17.554	/	Pass
		5320	1	17.460	/	Pass
		5500	1	17.570	/	Pass
		5580	1	17.719	/	Pass
		5700	1	17.981	/	Pass
		5745	1	17.883	/	Pass
		5785	1	17.857	/	Pass
		5825	1	17.661	/	Pass
802.11n (HT20)	SISO	5180	1	18.304	/	Pass
		5200	1	18.242	/	Pass
		5240	1	18.244	/	Pass
		5260	1	18.187	/	Pass
		5300	1	18.207	/	Pass
		5320	1	18.293	/	Pass
		5500	1	18.270	/	Pass
		5580	1	18.521	/	Pass
		5700	1	18.773	/	Pass
		5745	1	18.603	/	Pass
		5785	1	18.418	/	Pass
		5825	1	18.436	/	Pass
802.11n (HT40)	SISO	5190	1	36.872	/	Pass
		5230	1	36.775	/	Pass
		5270	1	36.833	/	Pass
		5310	1	36.860	/	Pass
		5510	1	36.945	/	Pass
		5550	1	36.985	/	Pass
		5670	1	37.305	/	Pass
		5755	1	37.060	/	Pass
		5795	1	36.943	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.241	/	Pass
		5200	1	18.305	/	Pass
		5240	1	18.315	/	Pass
		5260	1	18.238	/	Pass
		5300	1	18.247	/	Pass
		5320	1	18.244	/	Pass
		5500	1	18.260	/	Pass
		5580	1	18.472	/	Pass
		5700	1	18.845	/	Pass
		5745	1	18.507	/	Pass
		5785	1	18.441	/	Pass
		5825	1	18.354	/	Pass
802.11ac (VHT40)	SISO	5190	1	36.771	/	Pass
		5230	1	36.793	/	Pass
		5270	1	36.797	/	Pass
		5310	1	36.763	/	Pass
		5510	1	36.878	/	Pass
		5550	1	36.931	/	Pass
		5670	1	37.332	/	Pass

		5755	1	37.161	/	Pass
		5795	1	36.948	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.144	>=0.5	Pass
		5785	1	15.163	>=0.5	Pass
		5825	1	15.156	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	15.183	>=0.5	Pass
		5785	1	15.500	>=0.5	Pass
		5825	1	15.175	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.204	>=0.5	Pass
		5795	1	35.219	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	15.170	>=0.5	Pass
		5785	1	15.167	>=0.5	Pass
		5825	1	15.167	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.190	>=0.5	Pass
		5795	1	35.210	>=0.5	Pass

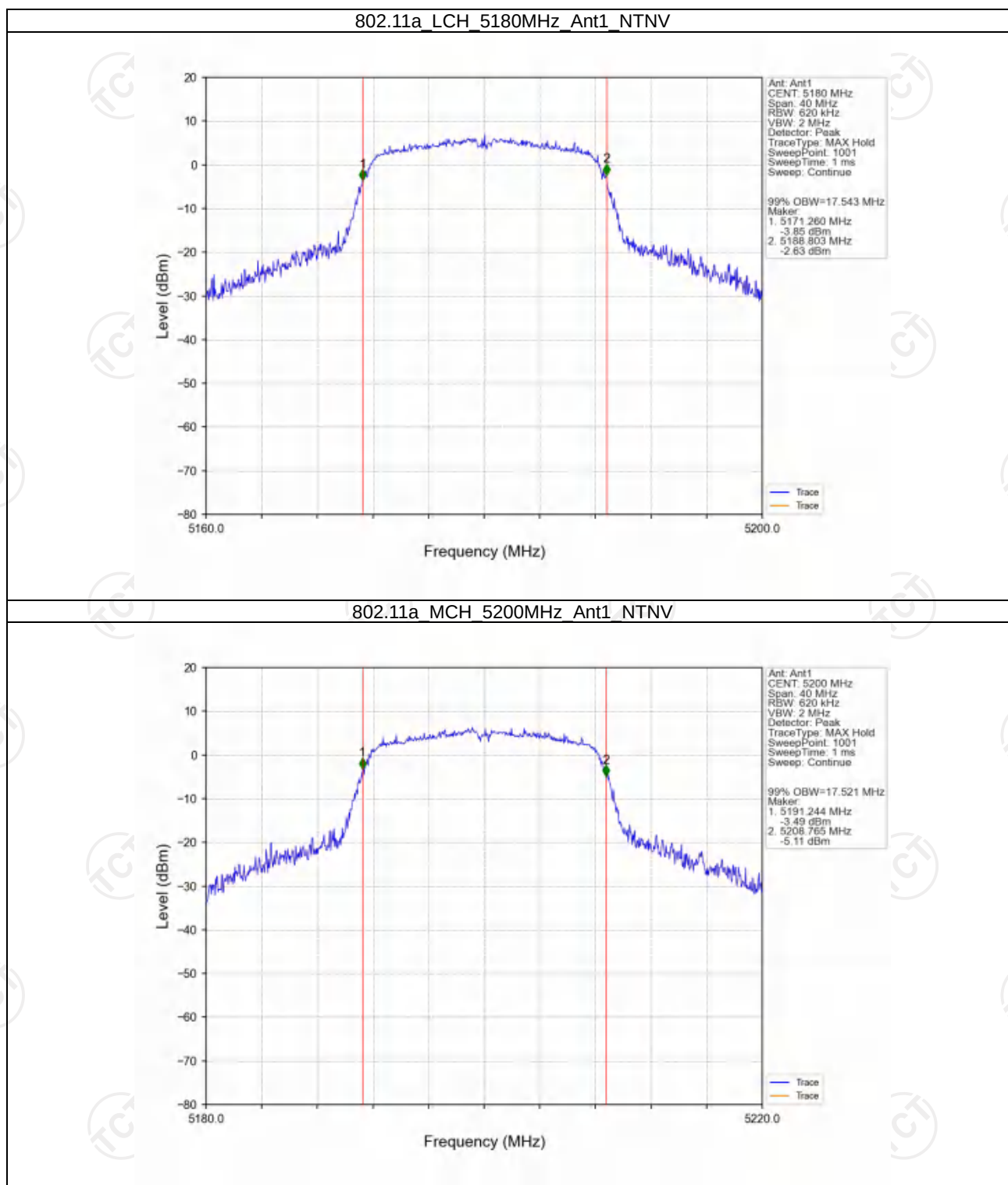
2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	21.216	/	Pass
		5200	1	20.322	/	Pass
		5240	1	19.818	/	Pass
		5260	1	20.749	/	Pass
		5300	1	20.801	/	Pass
		5320	1	20.512	/	Pass
		5500	1	21.027	/	Pass
		5580	1	23.735	/	Pass
802.11n (HT20)	SISO	5700	1	27.857	/	Pass
		5180	1	21.864	/	Pass
		5200	1	20.442	/	Pass
		5240	1	20.067	/	Pass
		5260	1	20.537	/	Pass
		5300	1	20.497	/	Pass
		5320	1	21.593	/	Pass
		5500	1	20.151	/	Pass
802.11n (HT40)	SISO	5580	1	24.765	/	Pass
		5190	1	48.977	/	Pass
		5230	1	47.422	/	Pass
		5270	1	50.164	/	Pass
		5310	1	48.759	/	Pass
		5510	1	55.099	/	Pass
		5550	1	55.089	/	Pass
		5670	1	66.605	/	Pass
802.11ac (VHT20)	SISO	5180	1	20.718	/	Pass
		5200	1	21.756	/	Pass
		5240	1	20.216	/	Pass
		5260	1	20.889	/	Pass
		5300	1	21.905	/	Pass
		5320	1	19.878	/	Pass
		5500	1	20.655	/	Pass
		5580	1	23.307	/	Pass
802.11ac (VHT40)	SISO	5700	1	29.508	/	Pass
		5190	1	53.932	/	Pass
		5230	1	48.725	/	Pass
		5270	1	47.301	/	Pass
		5310	1	48.919	/	Pass

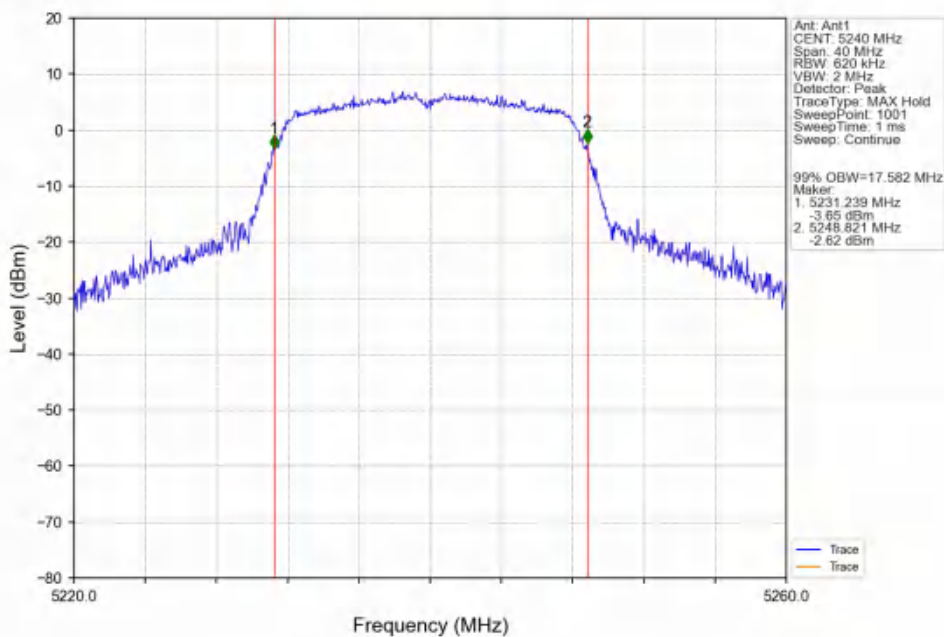
		5510	1	48.769	/	Pass
		5550	1	54.264	/	Pass
		5670	1	68.052	/	Pass

2.2 Test Graph

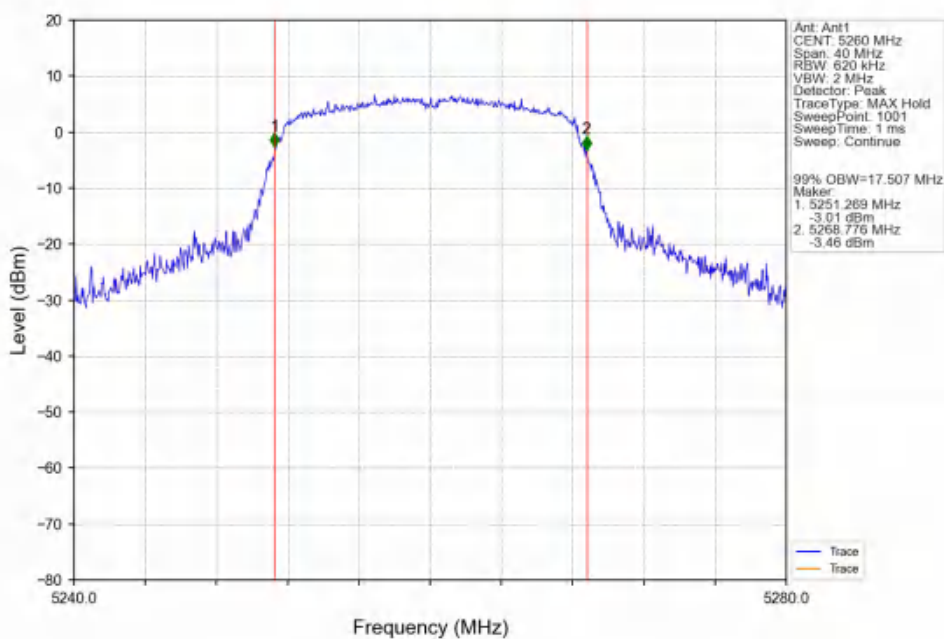
2.2.1 OBW



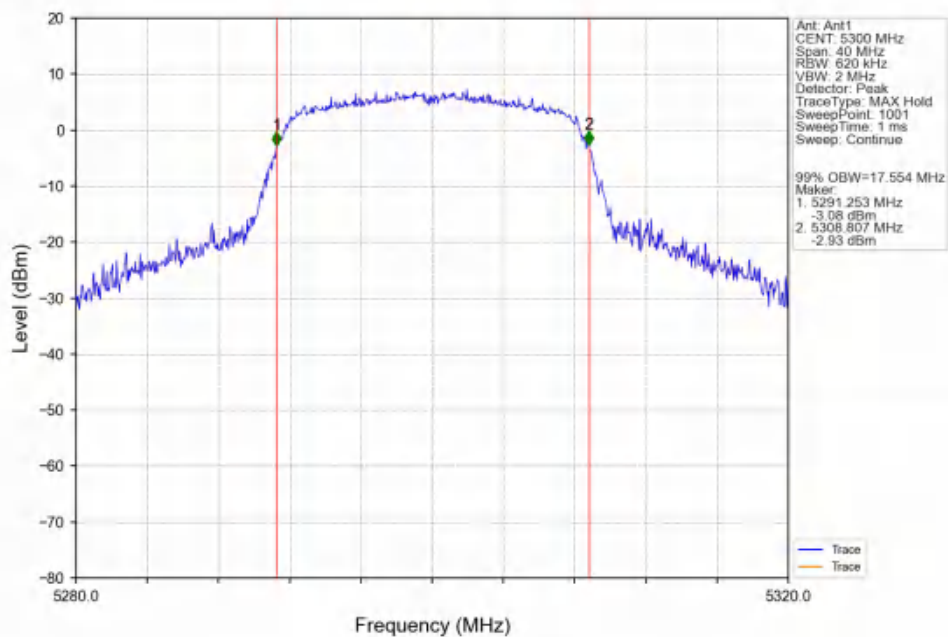
802.11a_HCH_5240MHz_Ant1_NTNV



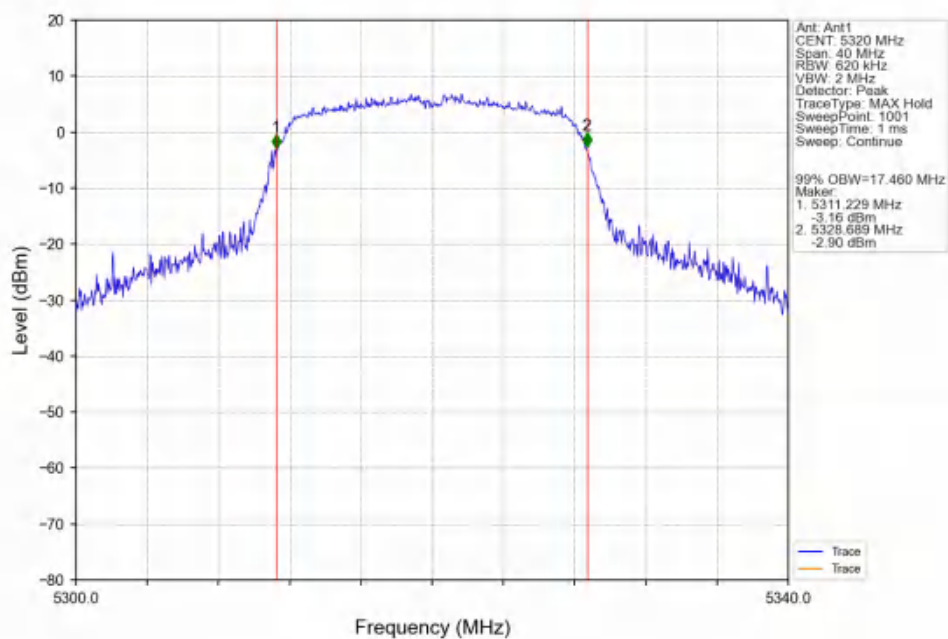
802.11a_LCH_5260MHz_Ant1_NTNV



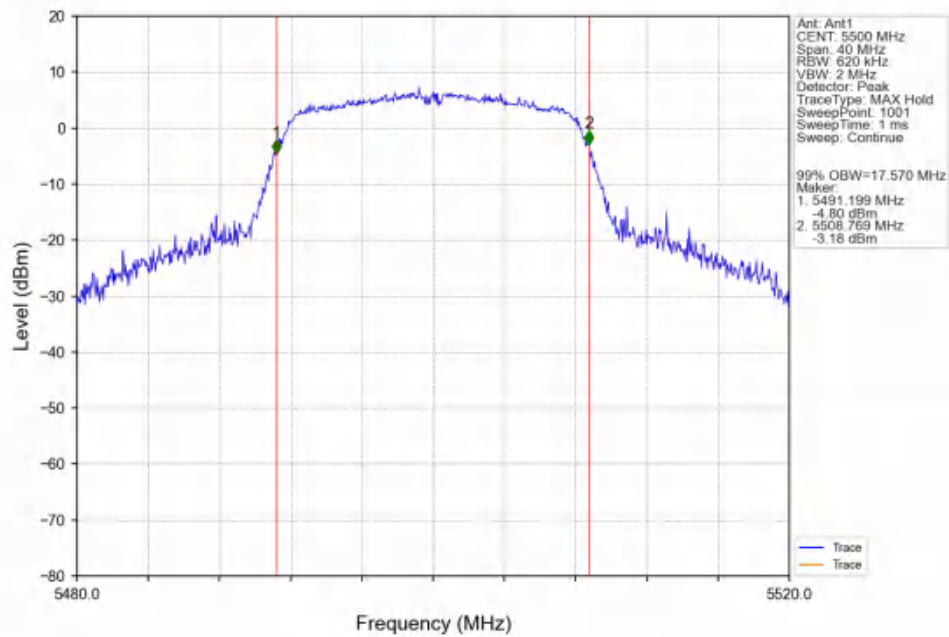
802.11a_MCH_5300MHz_Ant1_NTNV



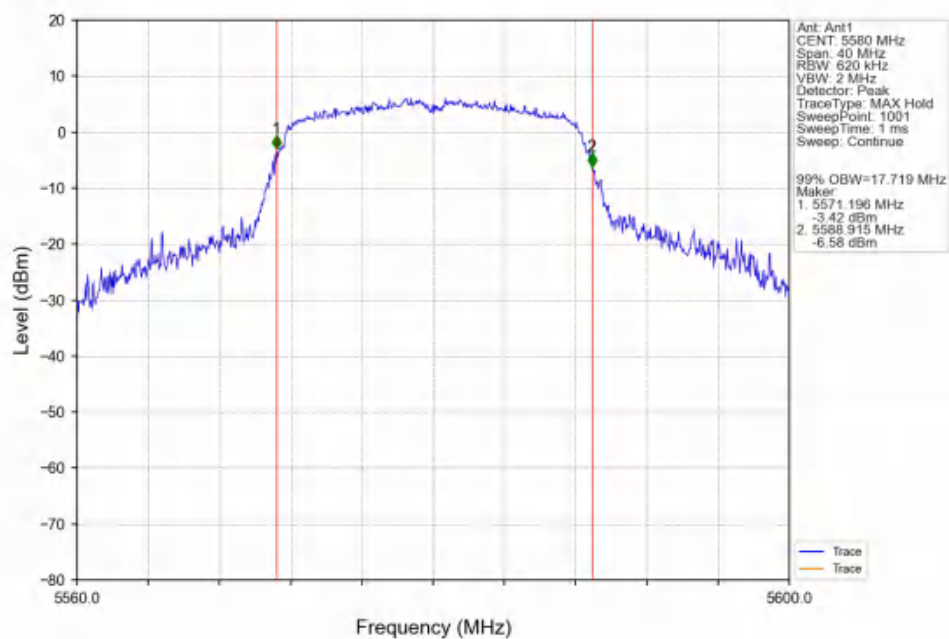
802.11a_HCH_5320MHz_Ant1_NTNV



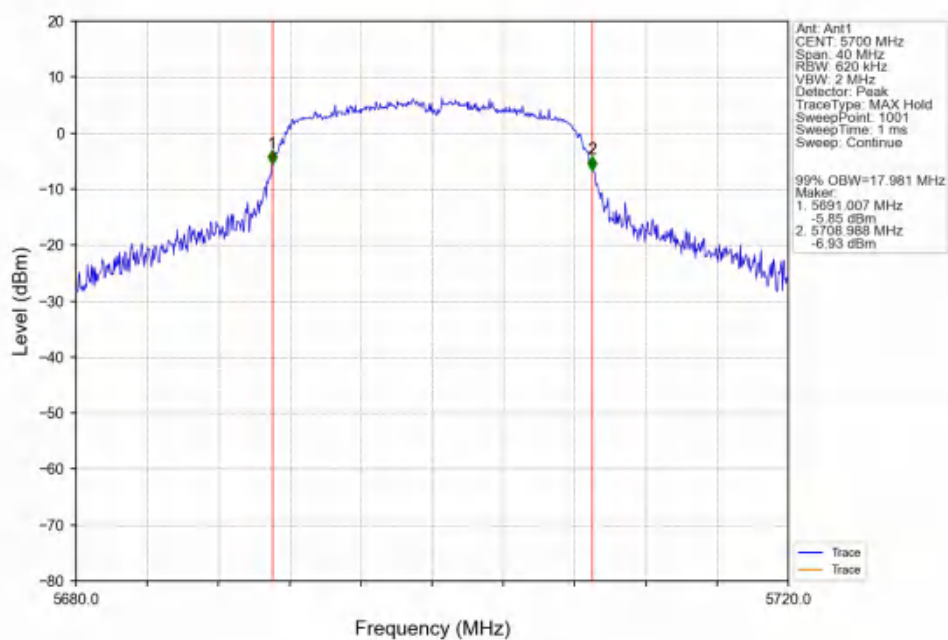
802.11a_LCH_5500MHz_Ant1_NTNV



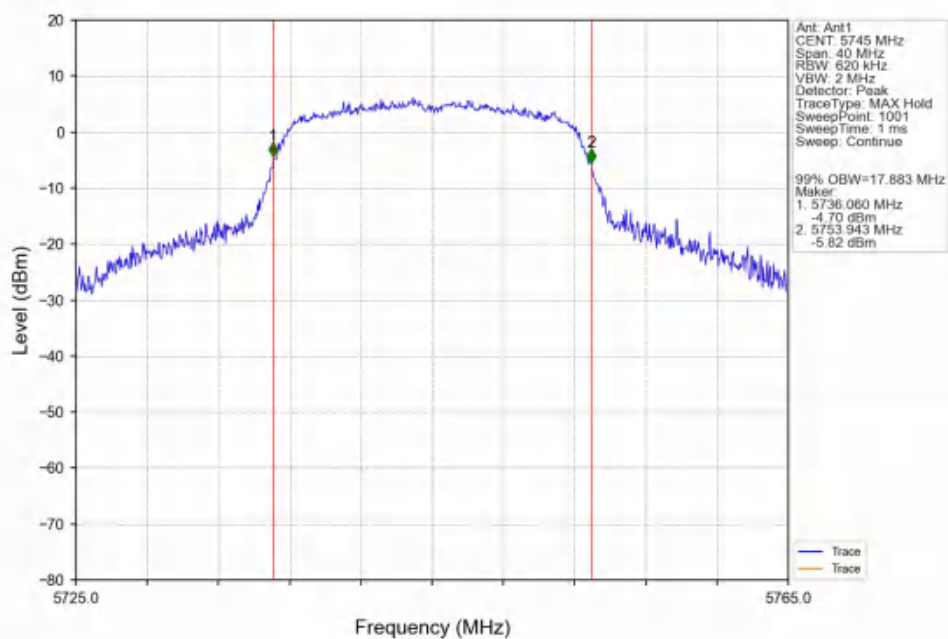
802.11a_MCH_5580MHz_Ant1_NTNV



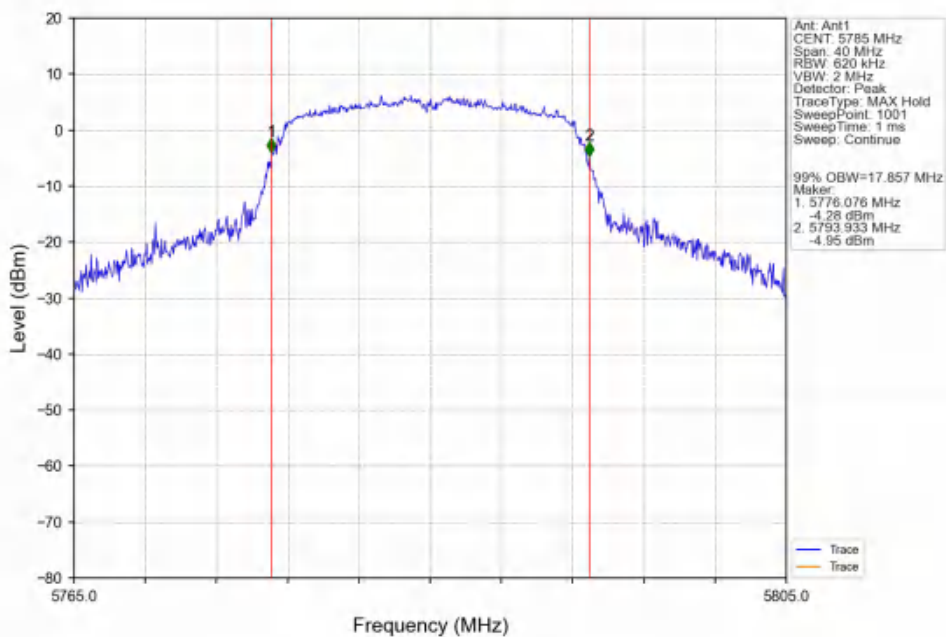
802.11a_HCH_5700MHz_Ant1_NTNV



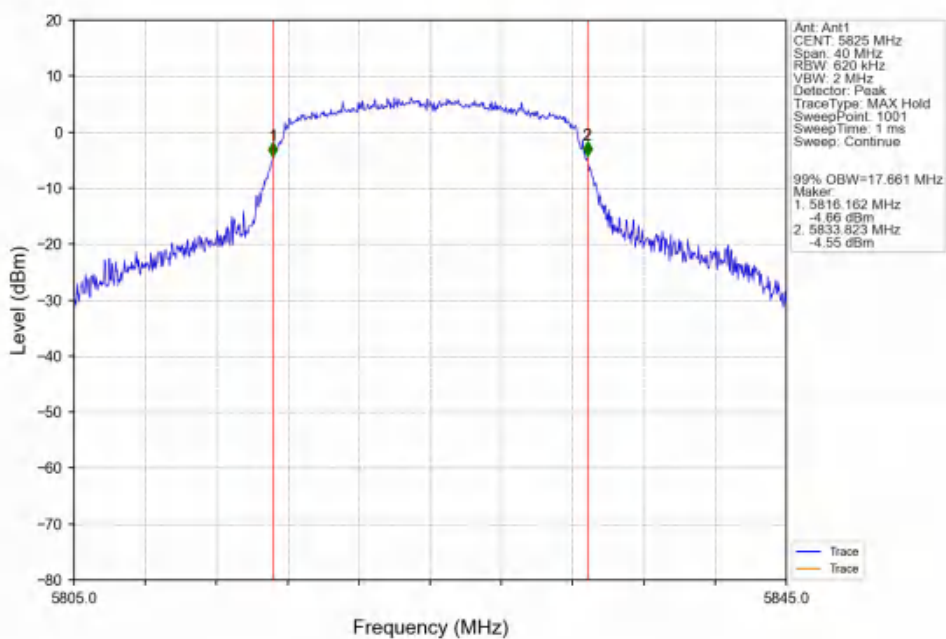
802.11a_LCH_5745MHz_Ant1_NTNV



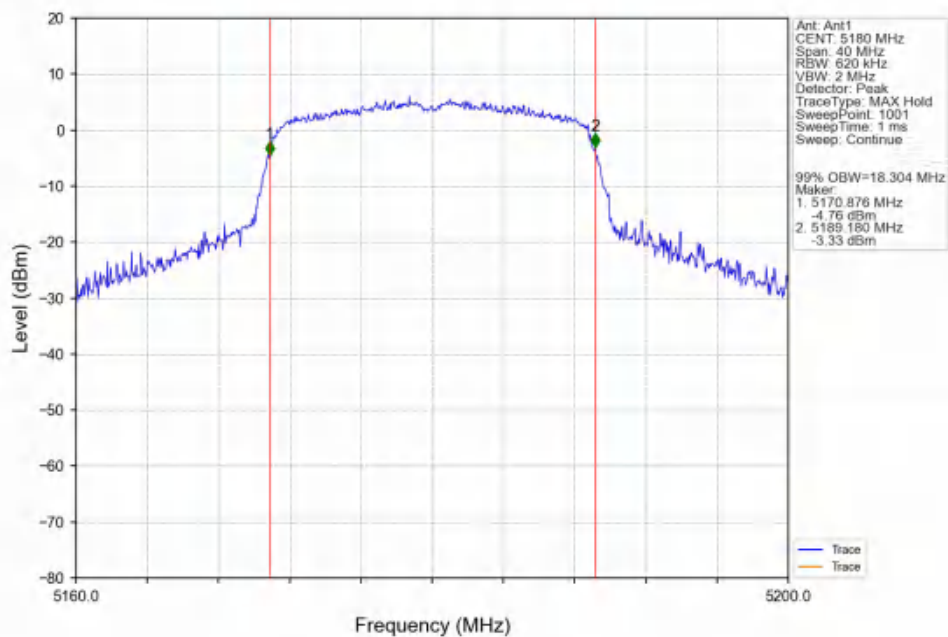
802.11a_MCH_5785MHz_Ant1_NTNV



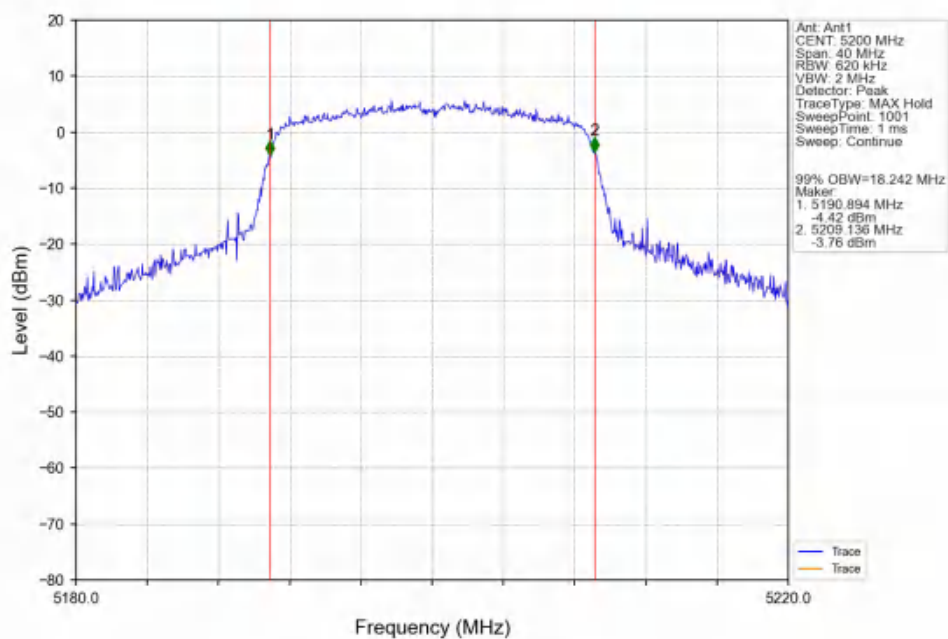
802.11a_HCH_5825MHz_Ant1_NTNV



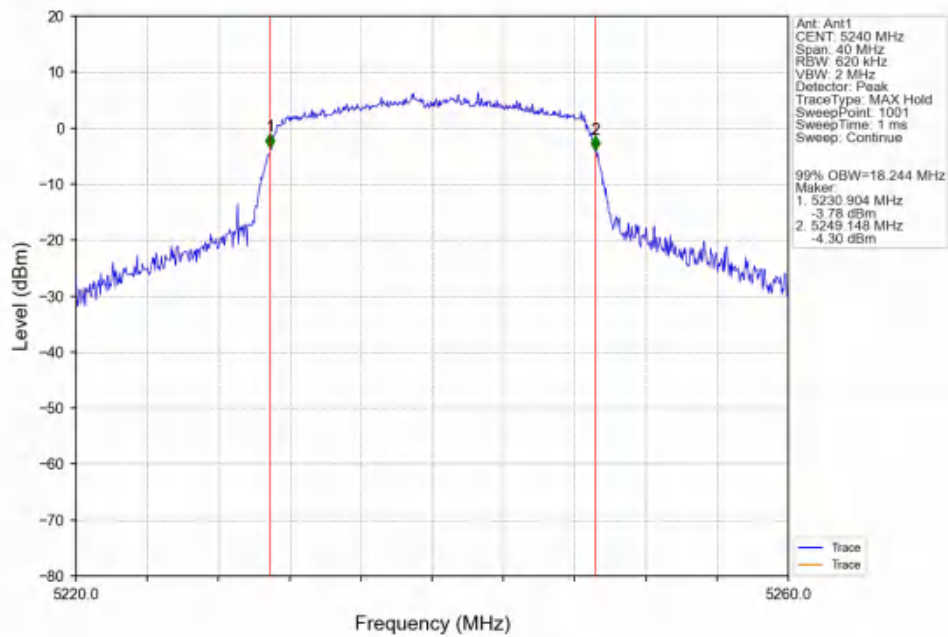
802.11n(HT20) LCH 5180MHz_Ant1_NTNV



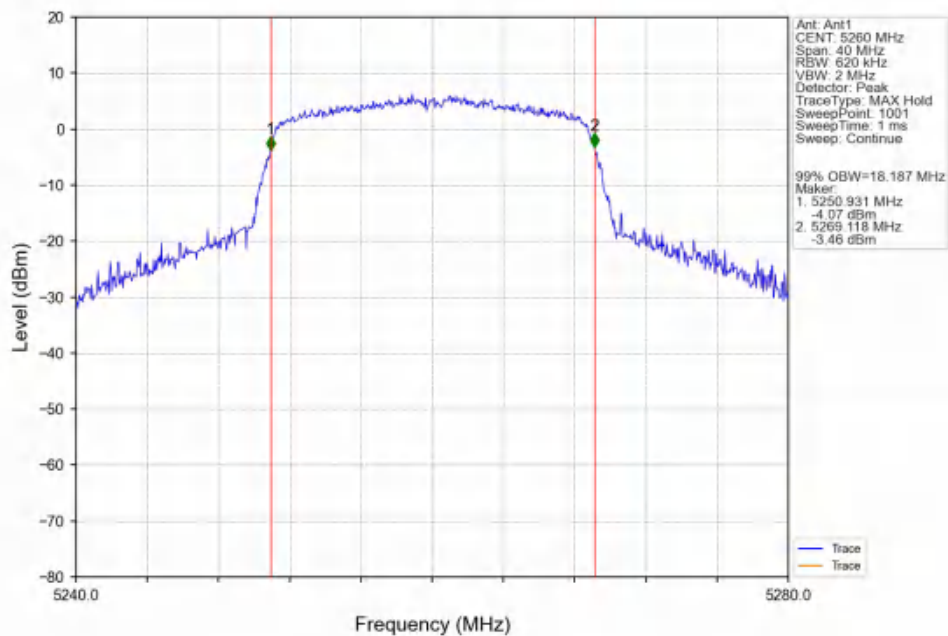
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



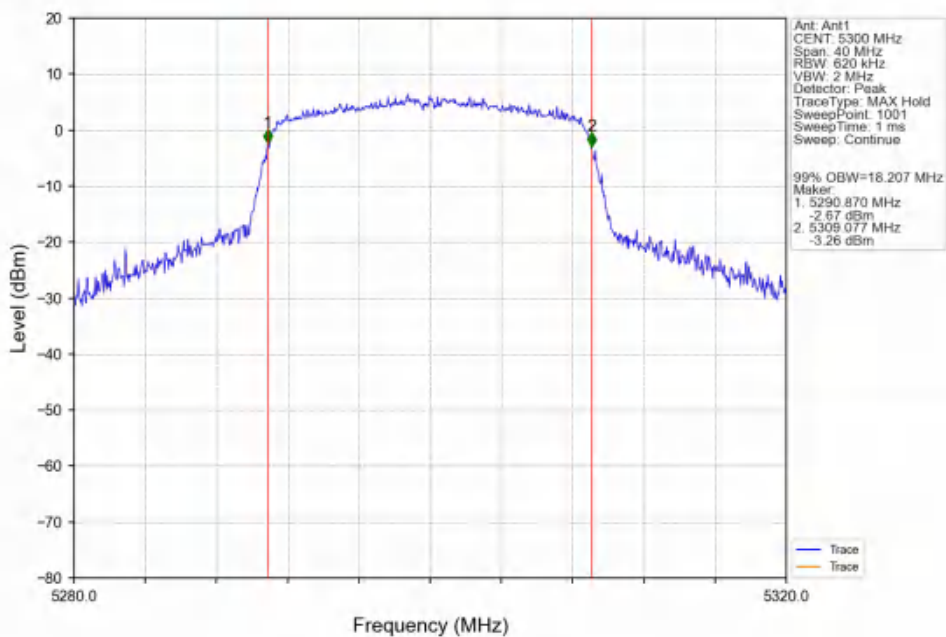
802.11n(HT20) HCH 5240MHz Ant1 NTN



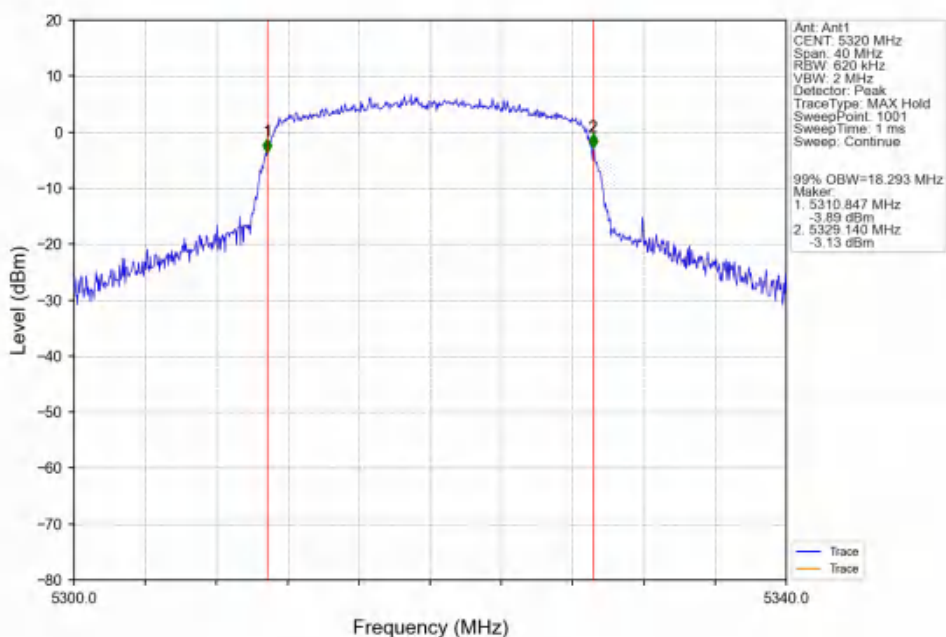
802.11n(HT20) LCH 5260MHz Ant1 NTN



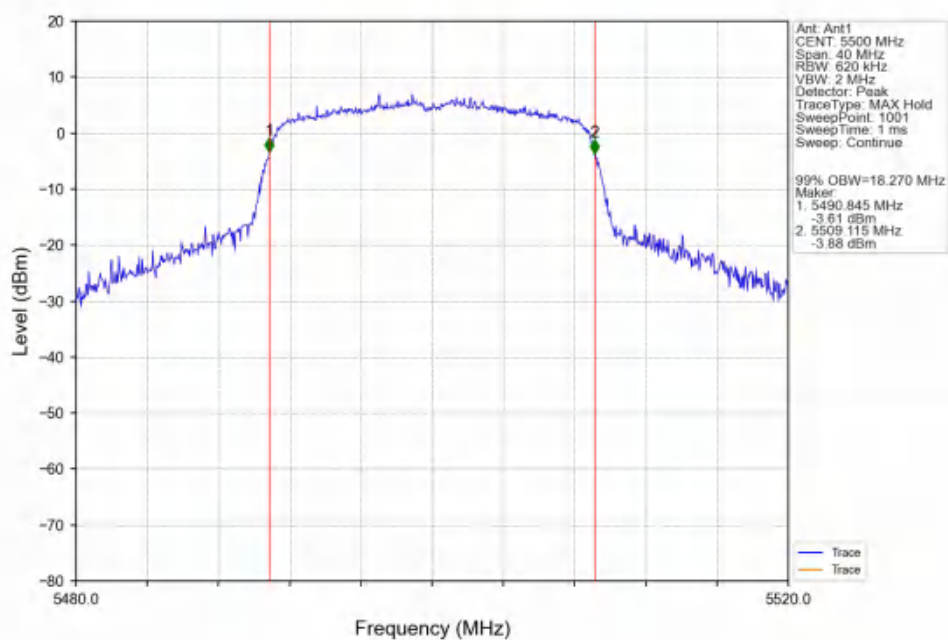
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



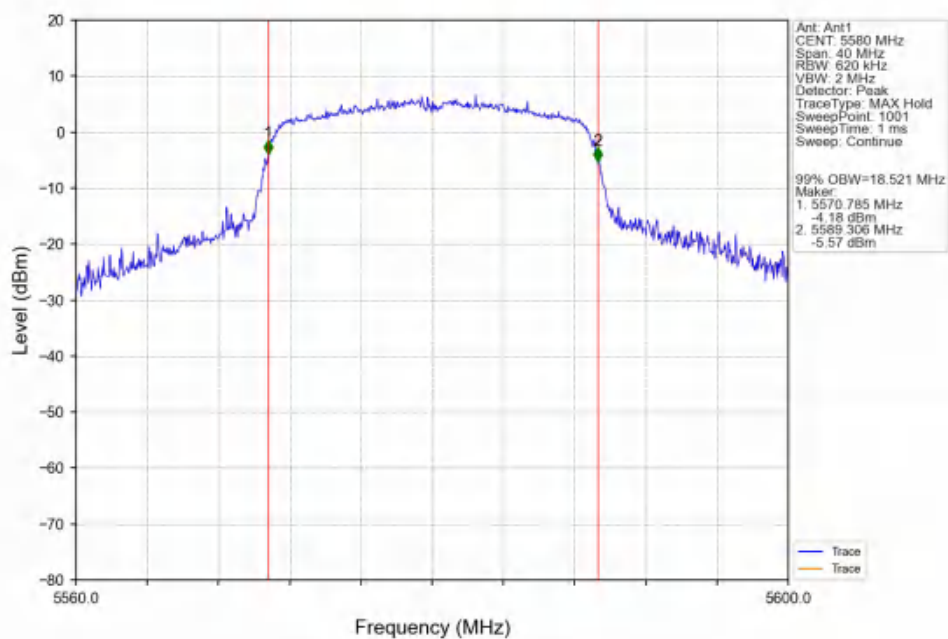
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



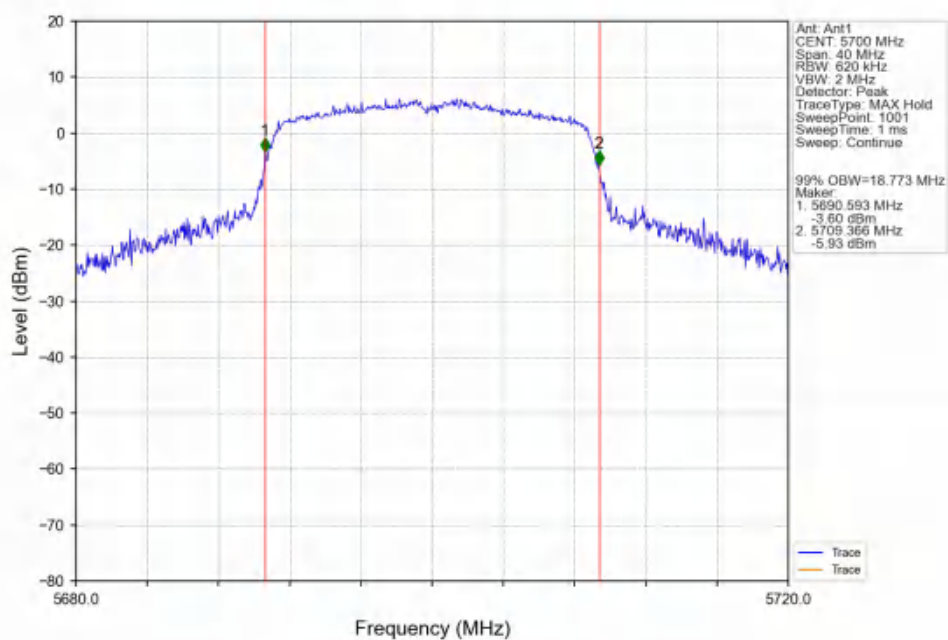
802.11n(HT20) LCH 5500MHz_Ant1_NTNV



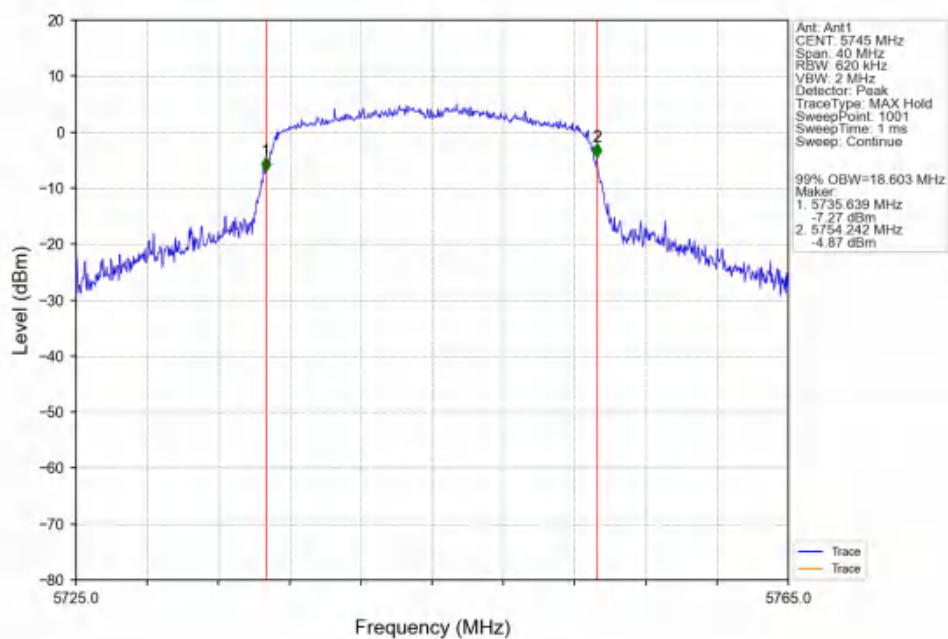
802.11n(HT20) MCH 5580MHz_Ant1_NTNV



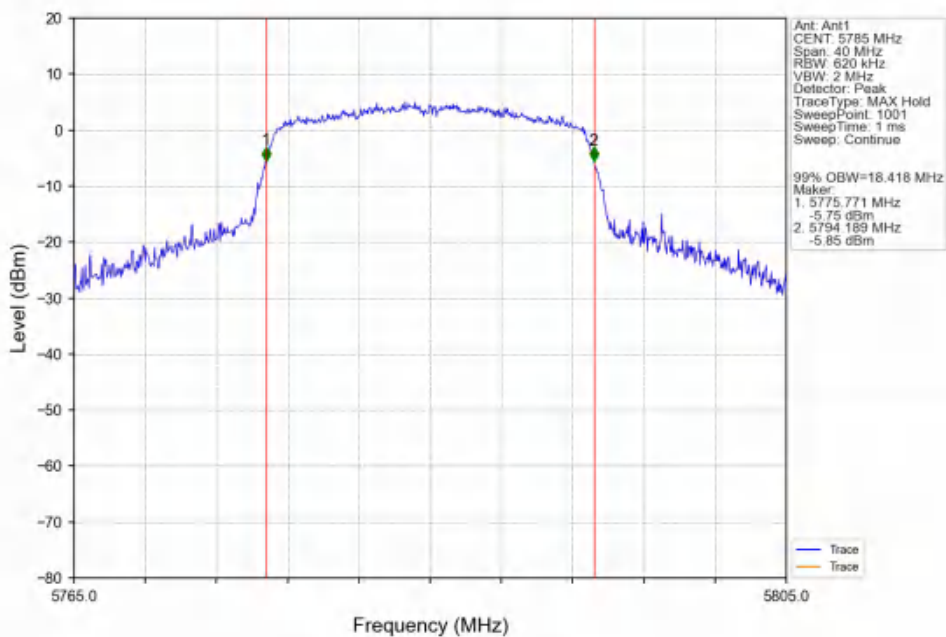
802.11n(HT20) HCH 5700MHz Ant1 NTN



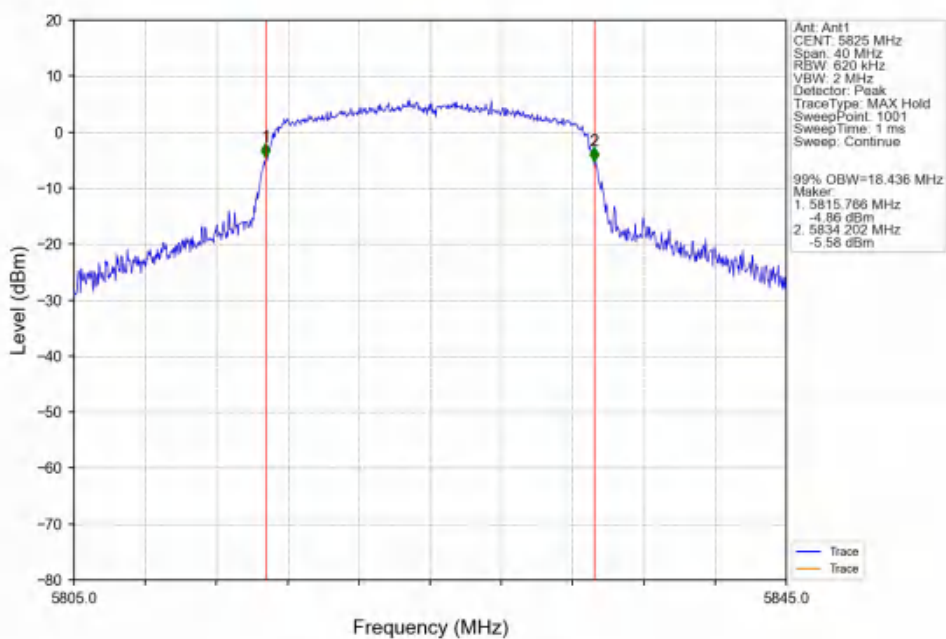
802.11n(HT20) LCH 5745MHz Ant1 NTN



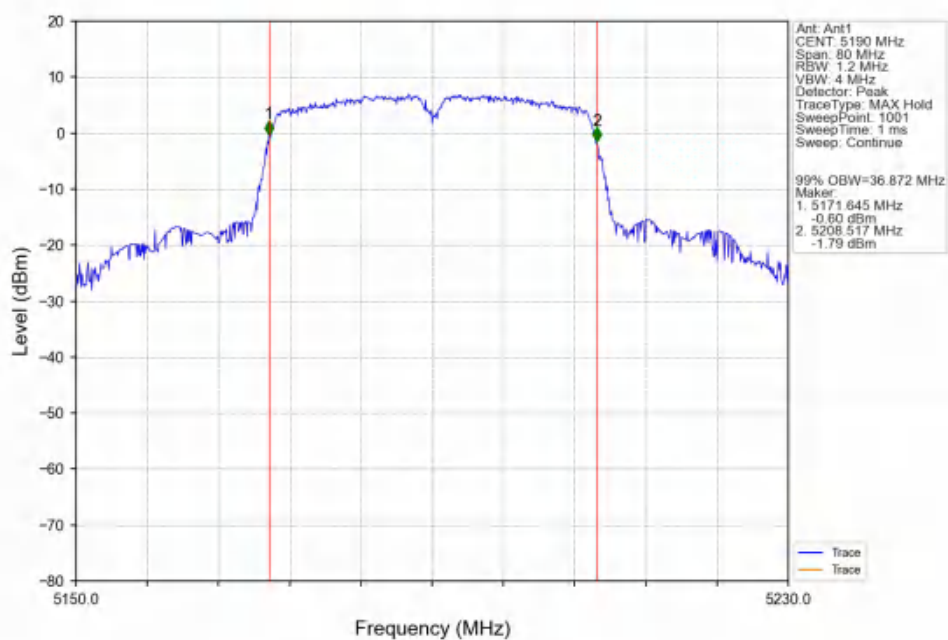
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



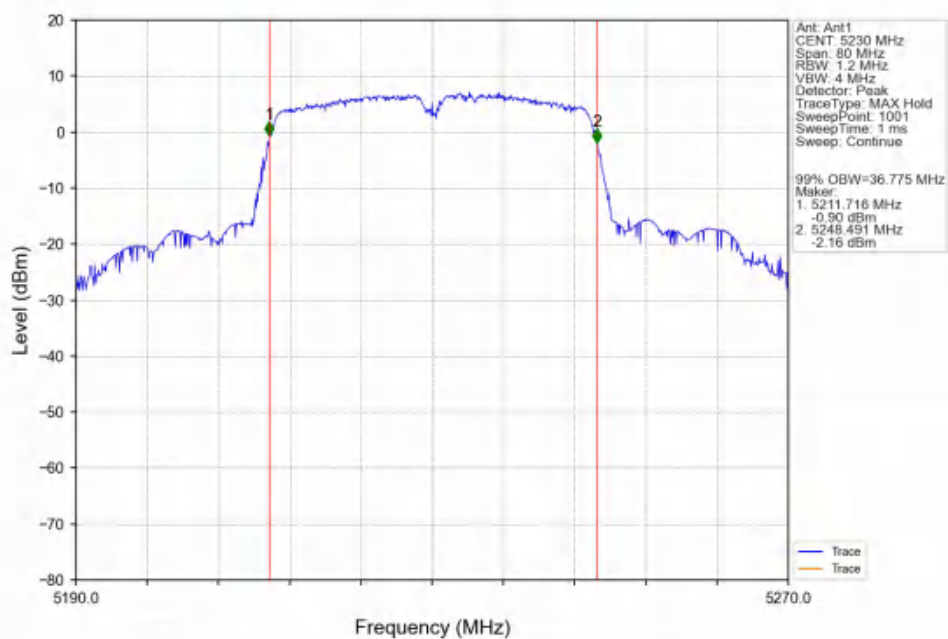
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



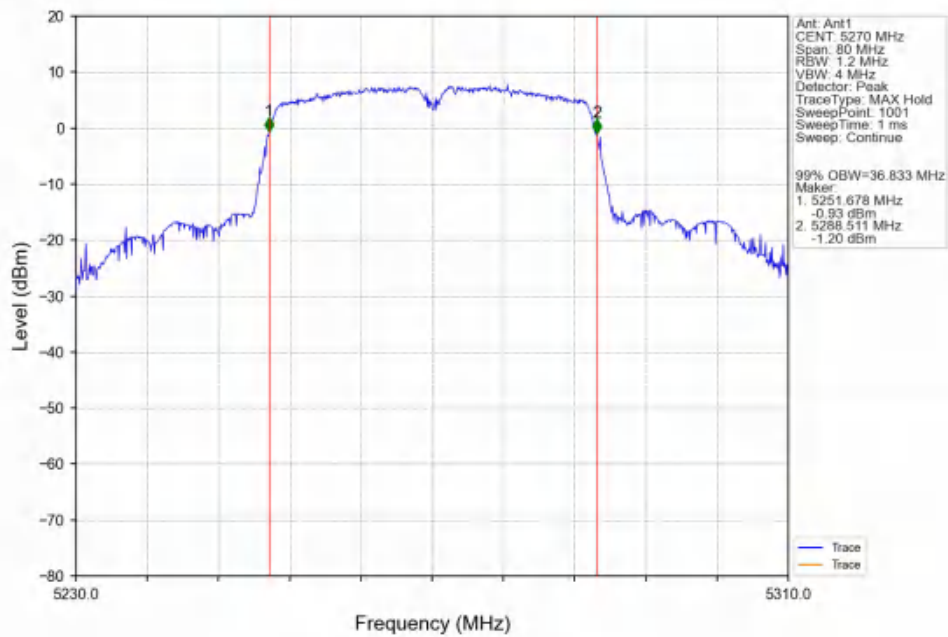
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



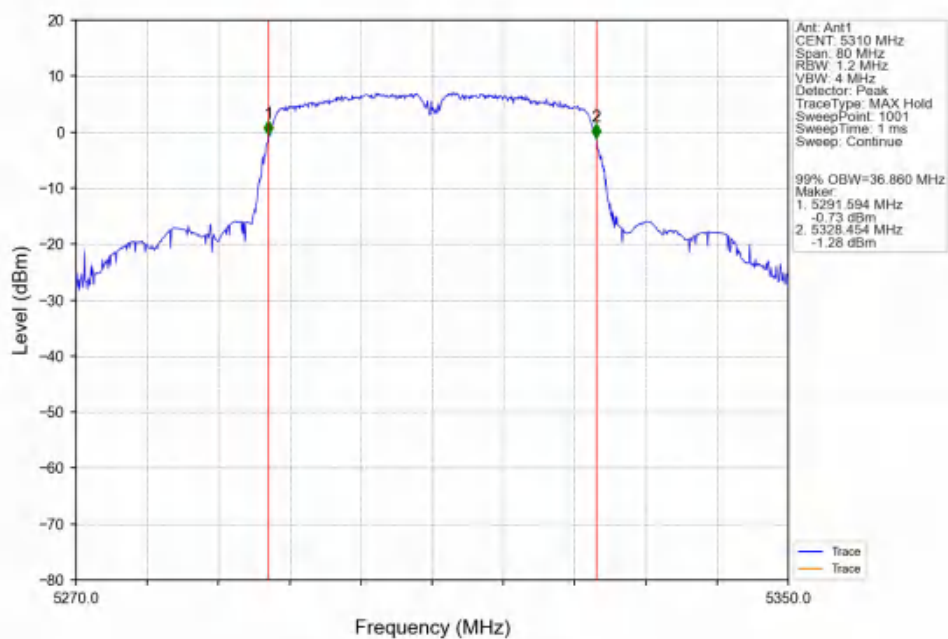
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



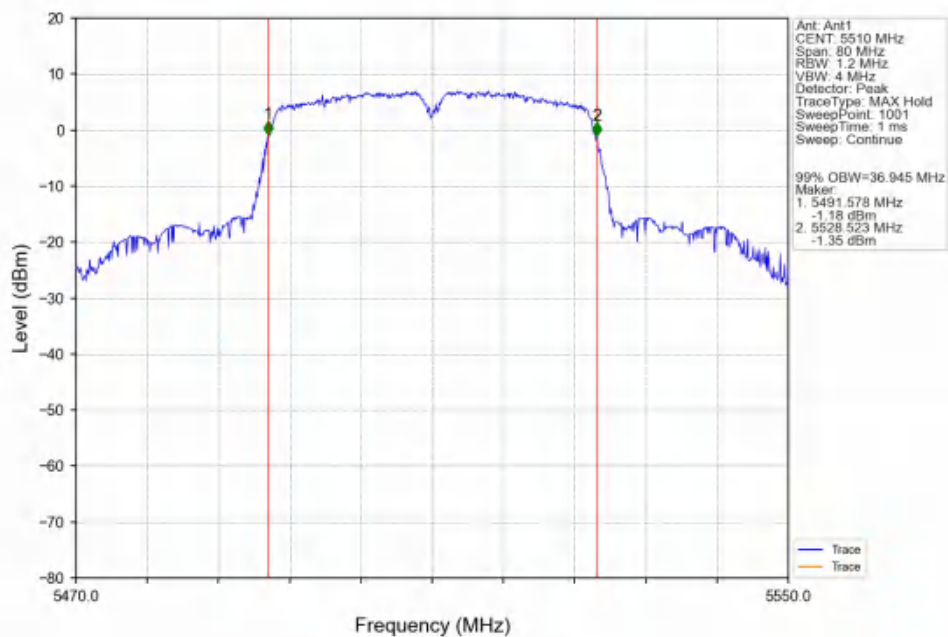
802.11n(HT40) LCH 5270MHz_Ant1_NTNV



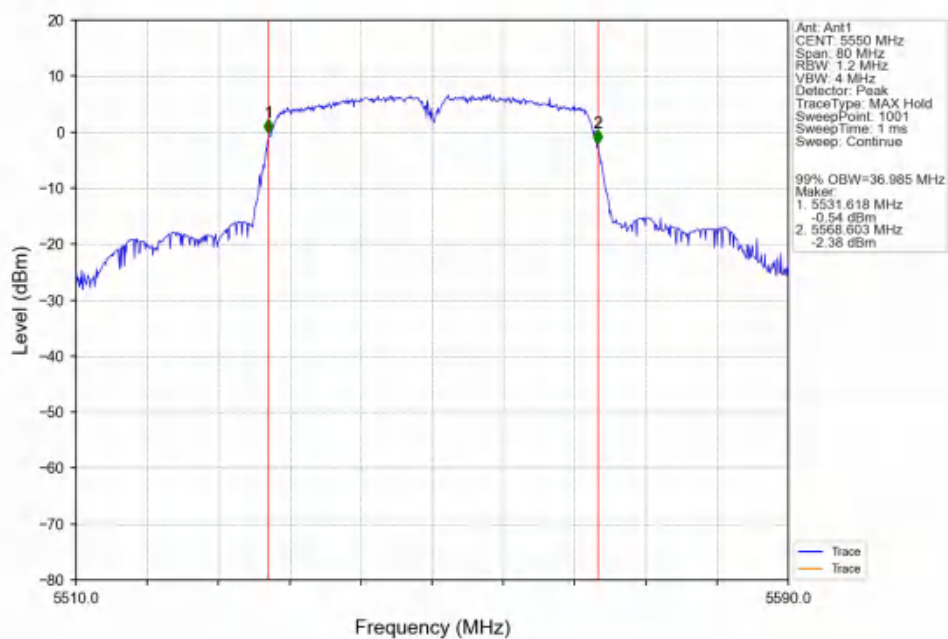
802.11n(HT40) HCH 5310MHz_Ant1_NTNV



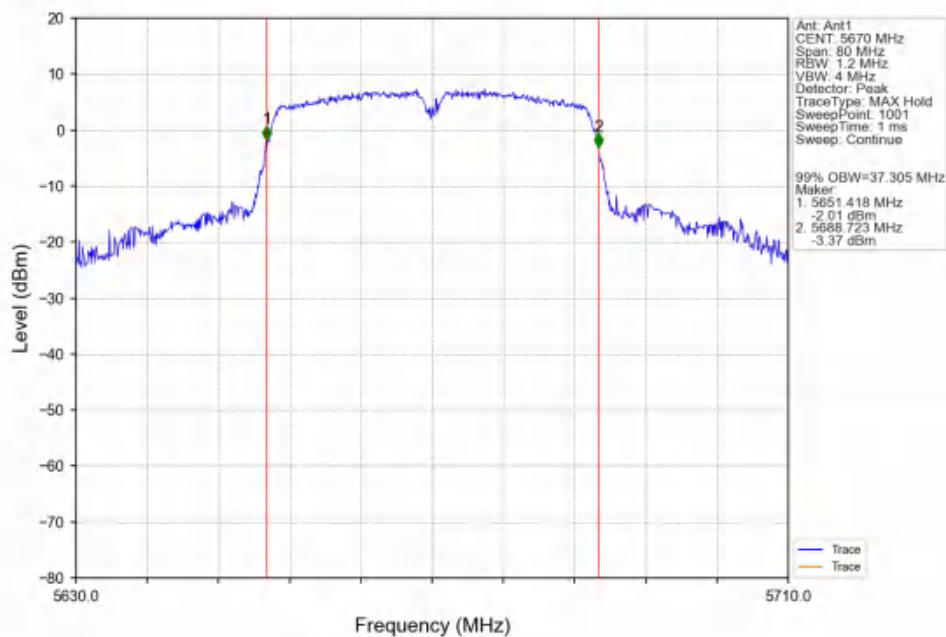
802.11n(HT40) LCH 5510MHz_Ant1_NTNV



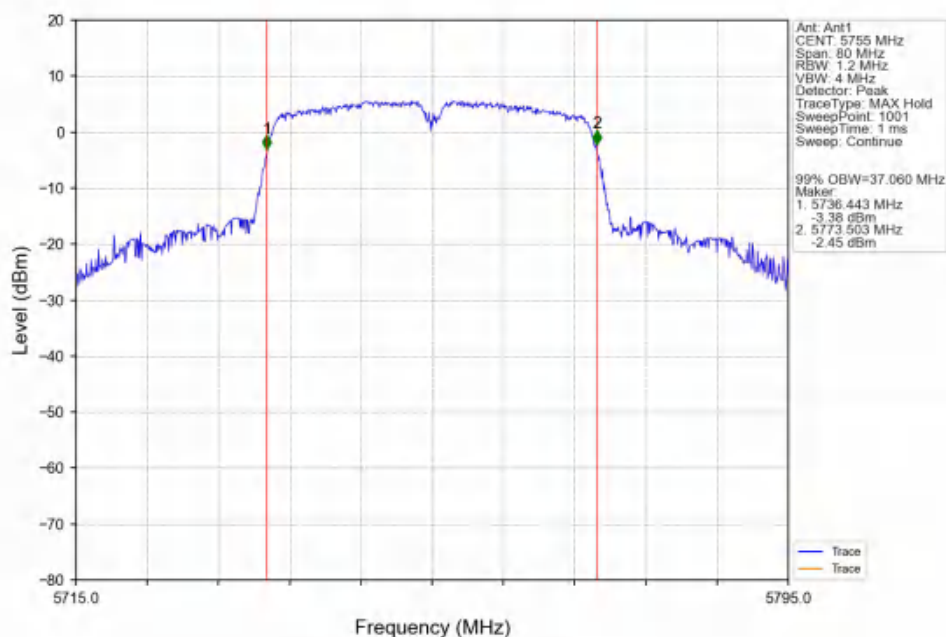
802.11n(HT40) MCH 5550MHz_Ant1_NTNV



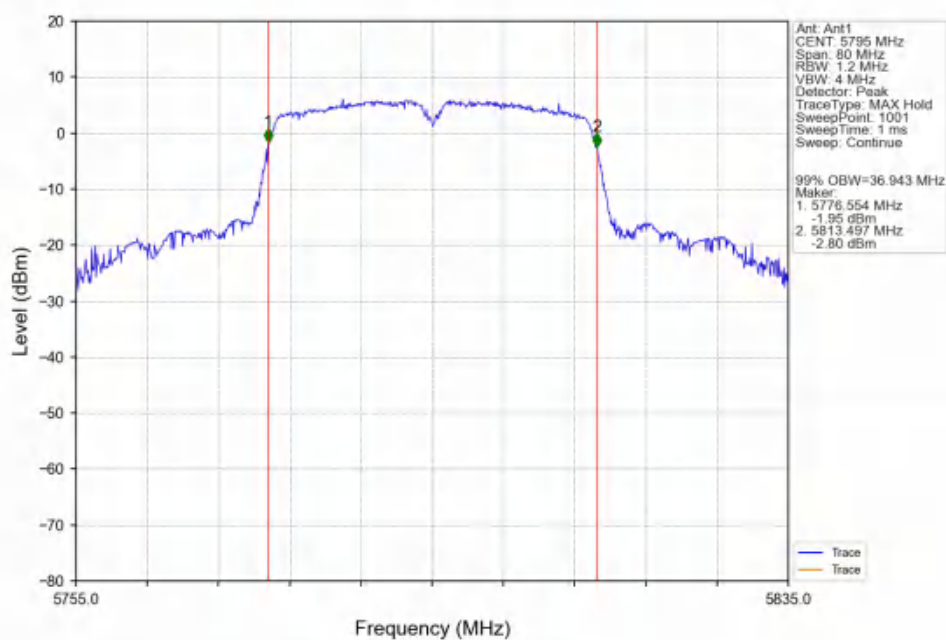
802.11n(HT40) HCH 5670MHz Ant1 NTN



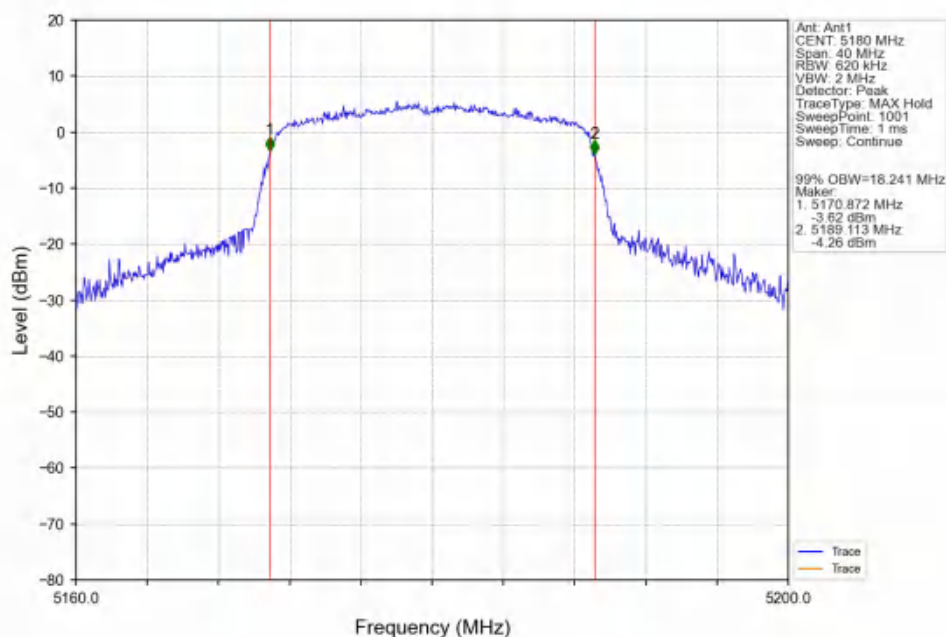
802.11n(HT40) LCH 5755MHz Ant1 NTN



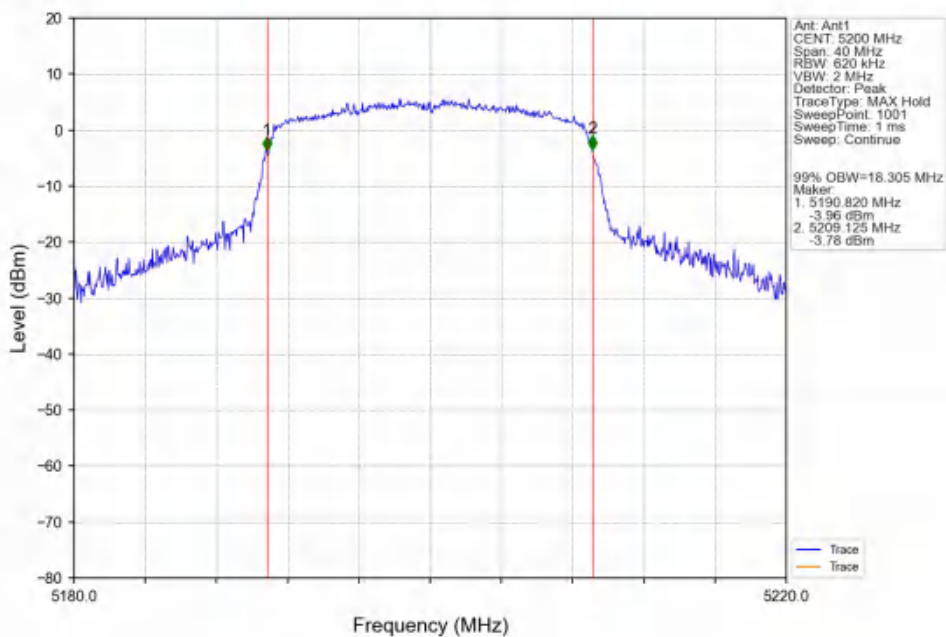
802.11n(HT40) HCH 5795MHz Ant1 NTV



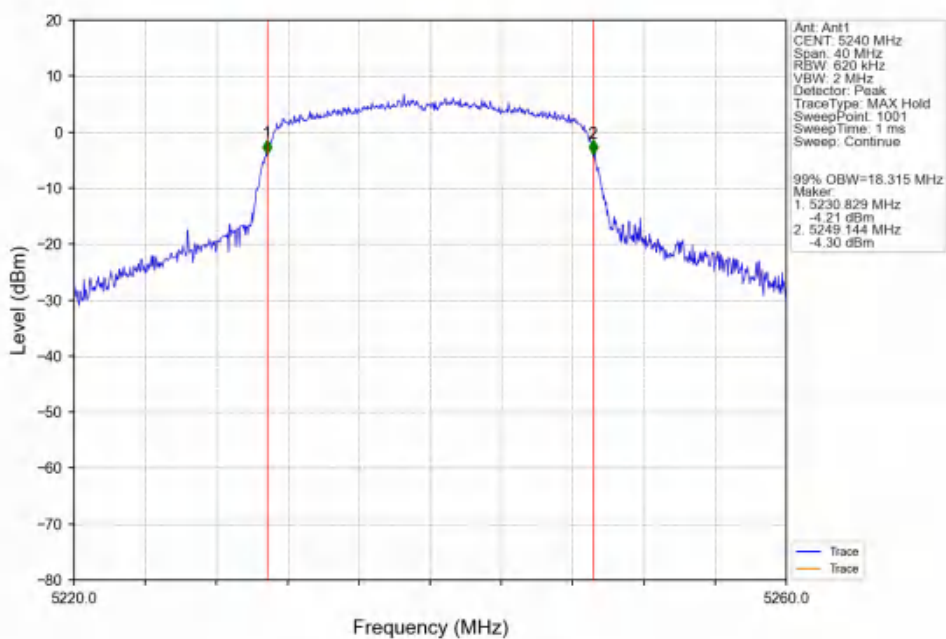
802.11ac(VHT20) LCH 5180MHz Ant1 NTV



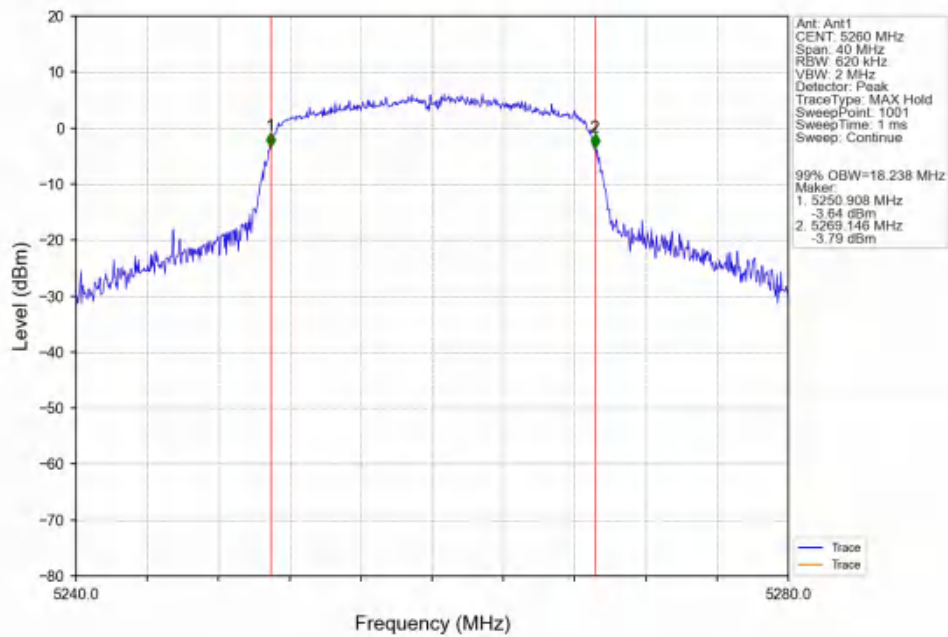
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



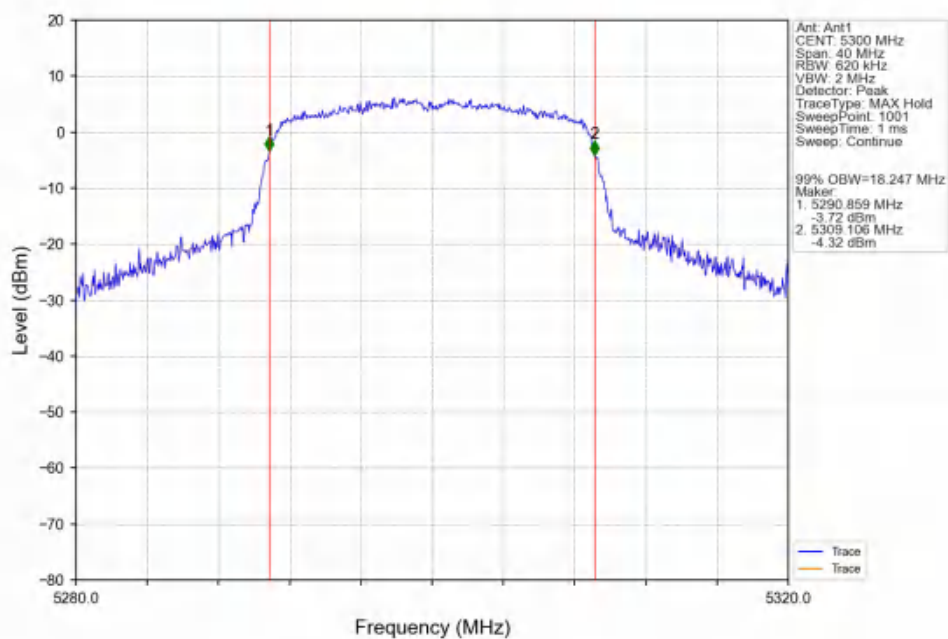
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



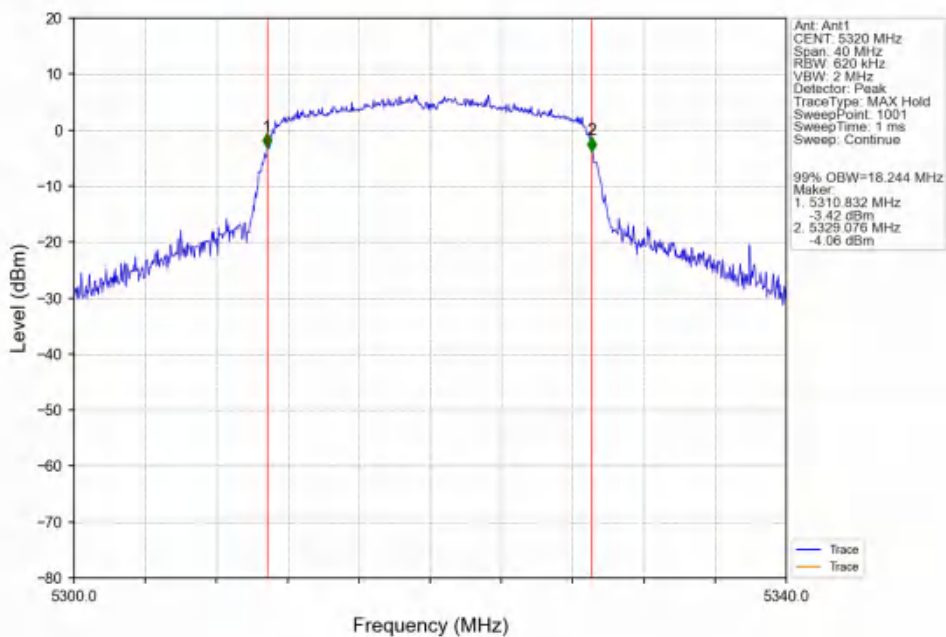
802.11ac(VHT20) LCH 5260MHz Ant1 NTN



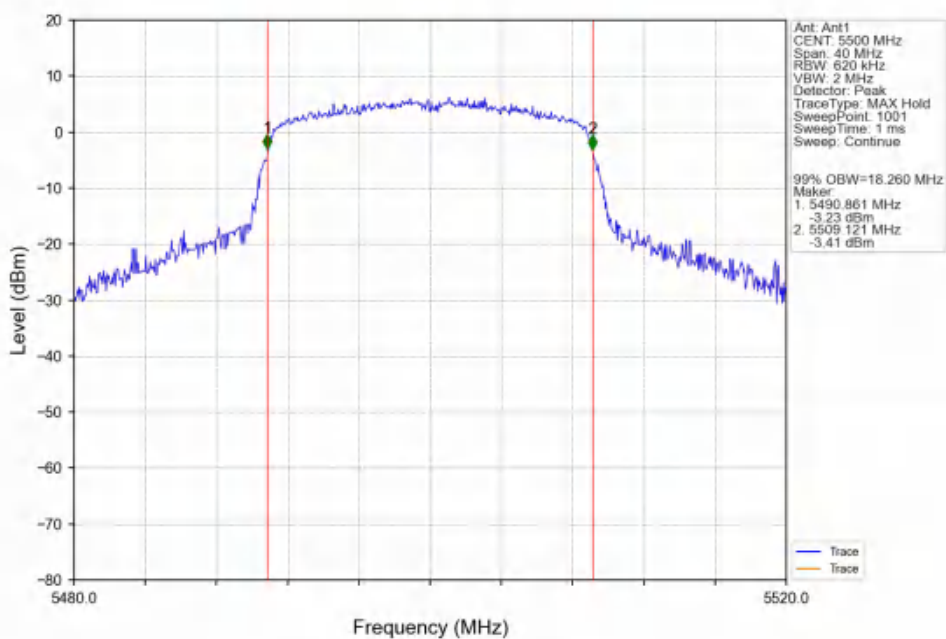
802.11ac(VHT20) MCH 5300MHz Ant1 NTN



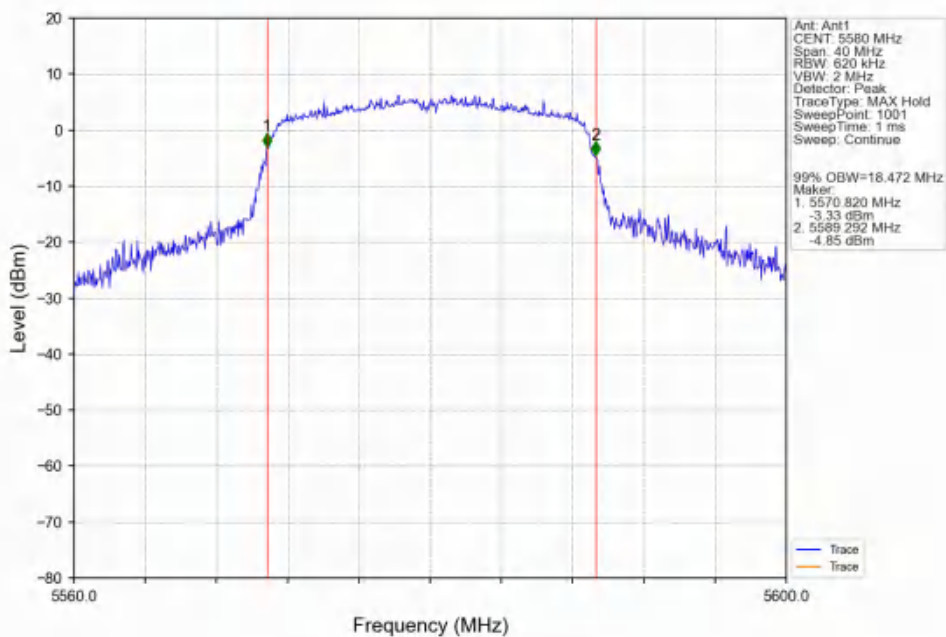
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



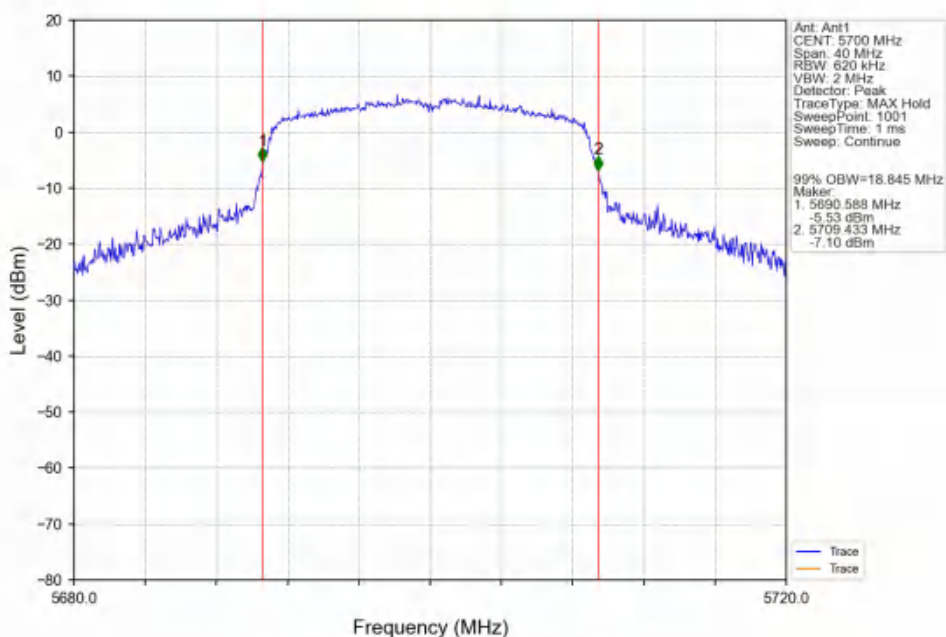
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



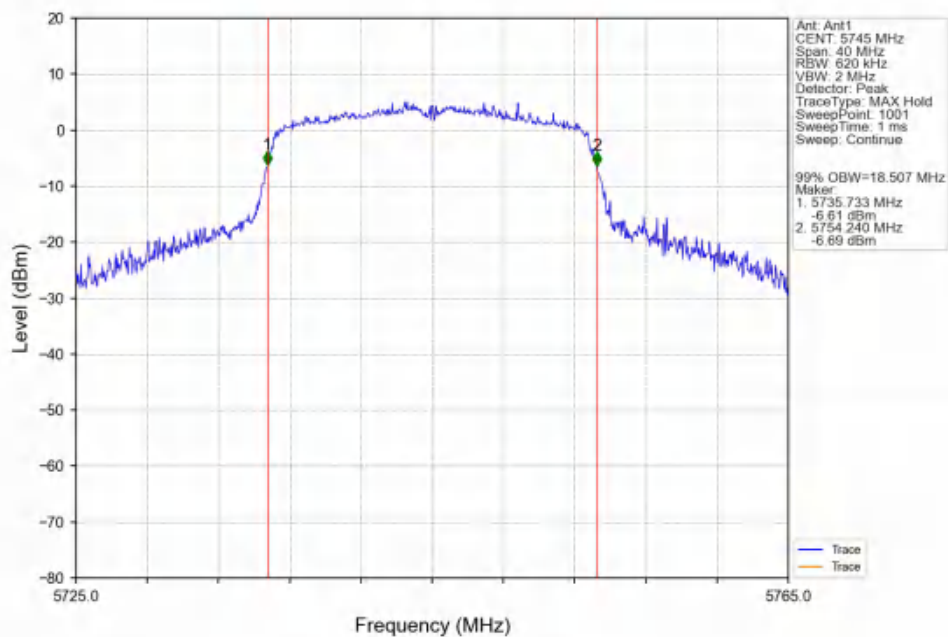
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



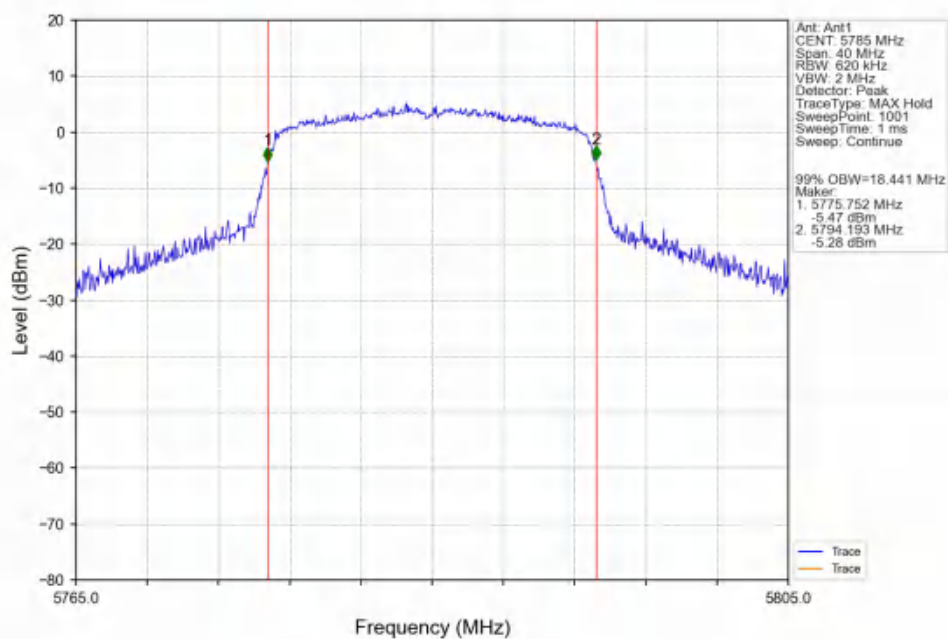
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



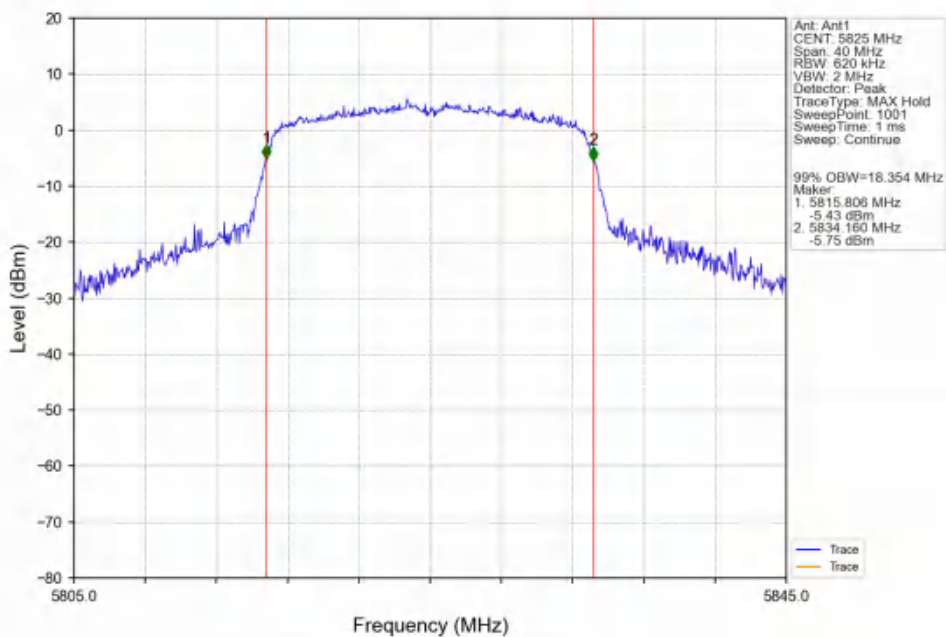
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



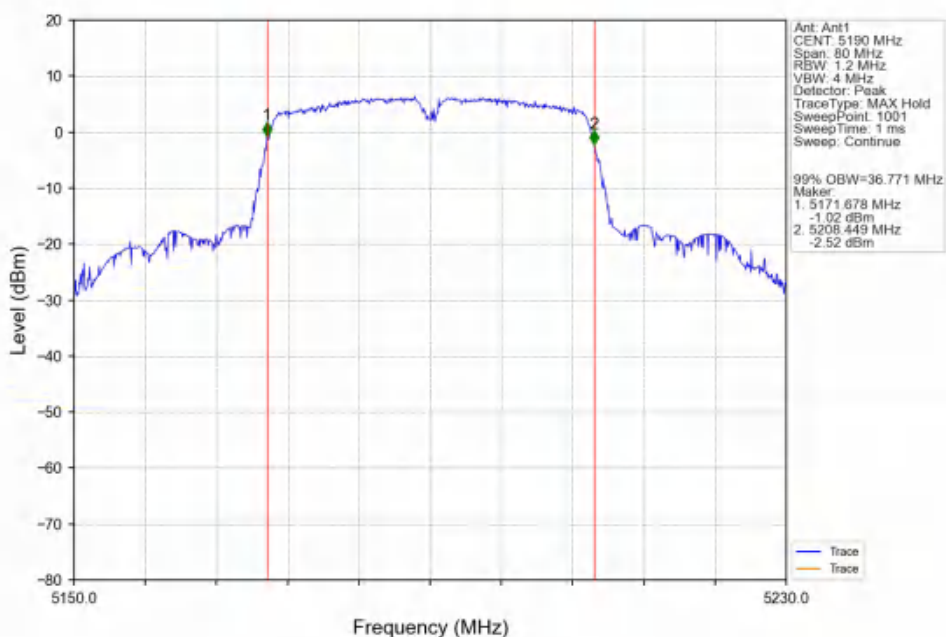
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



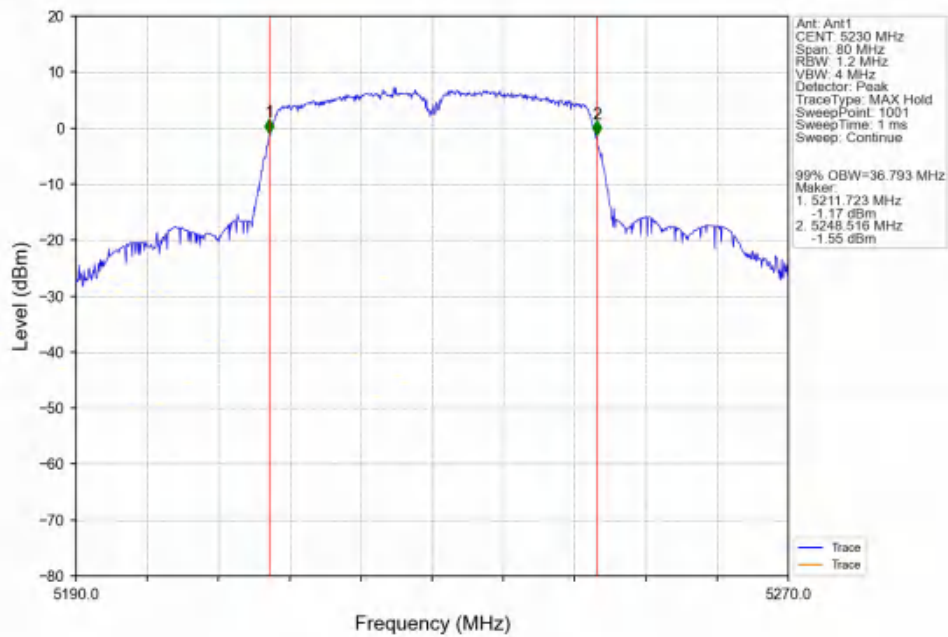
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



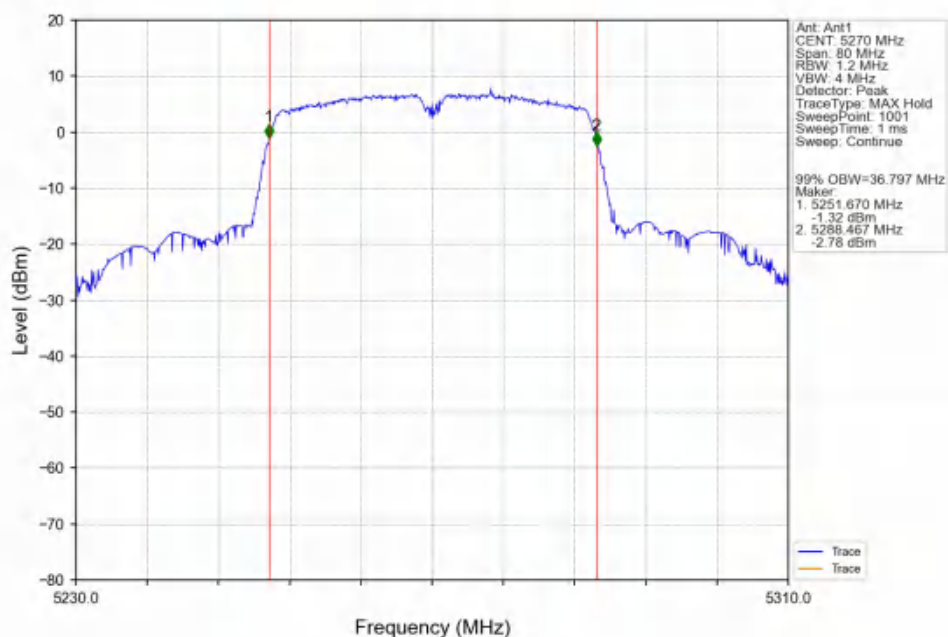
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



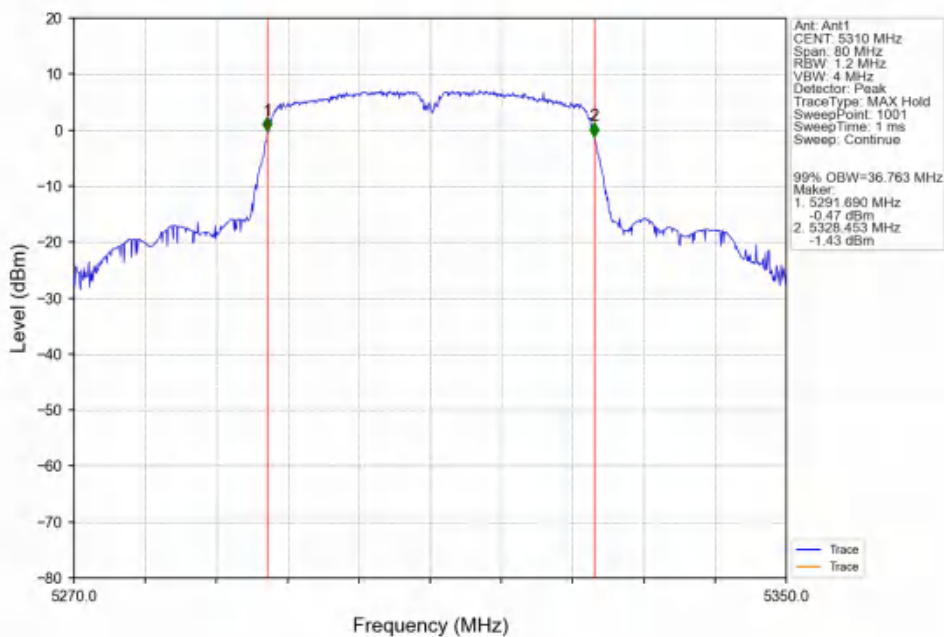
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



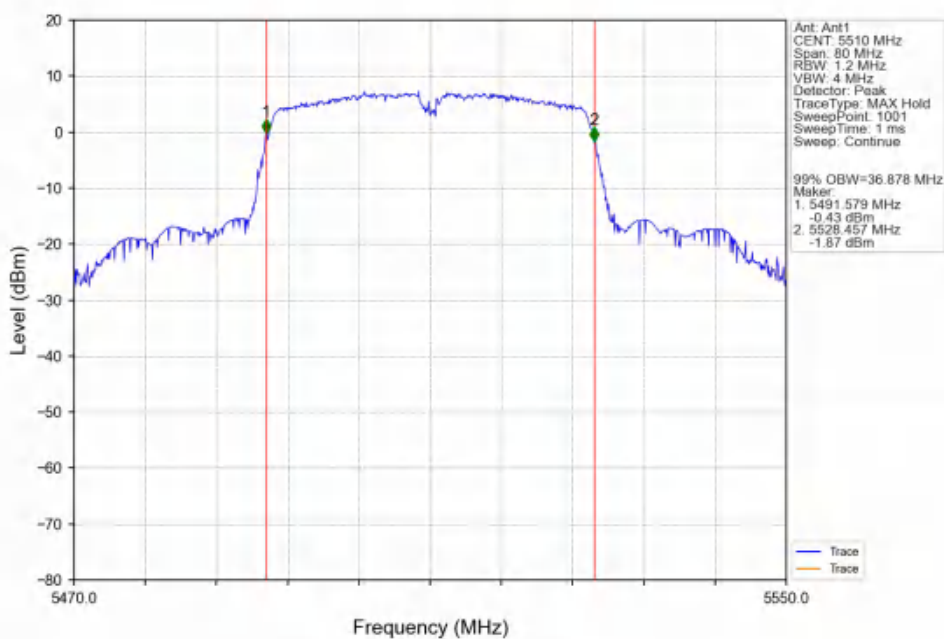
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



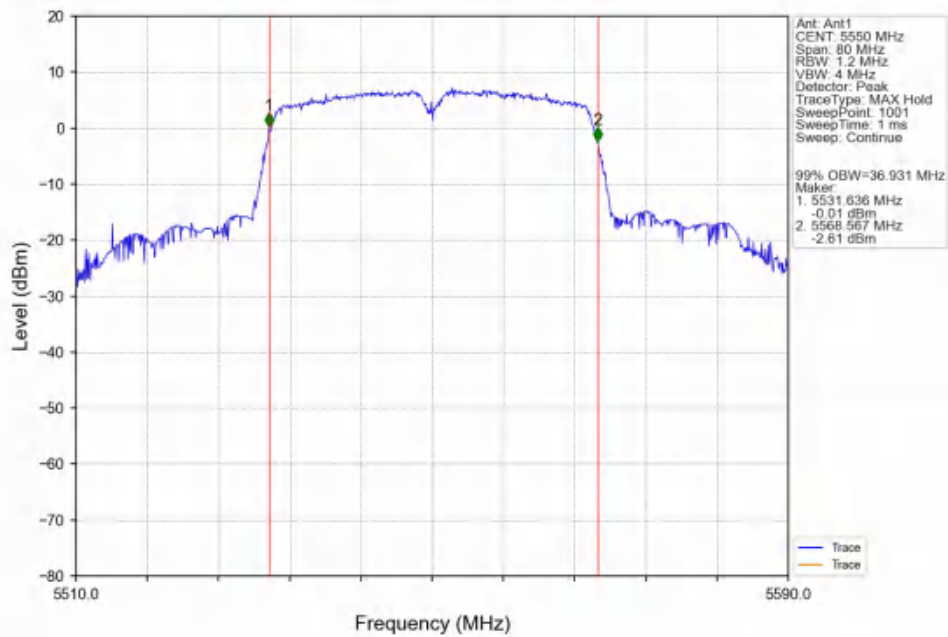
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



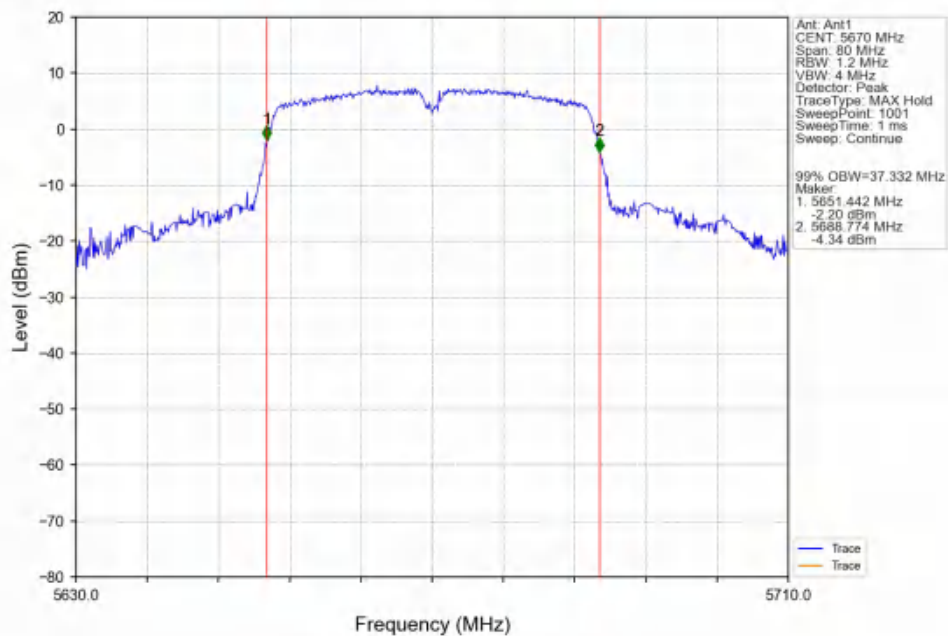
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



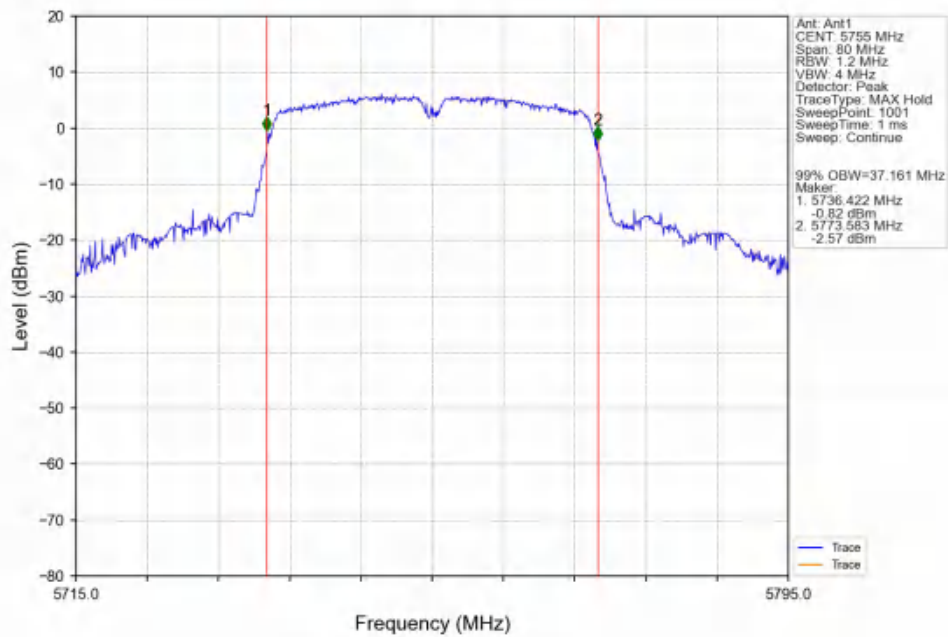
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



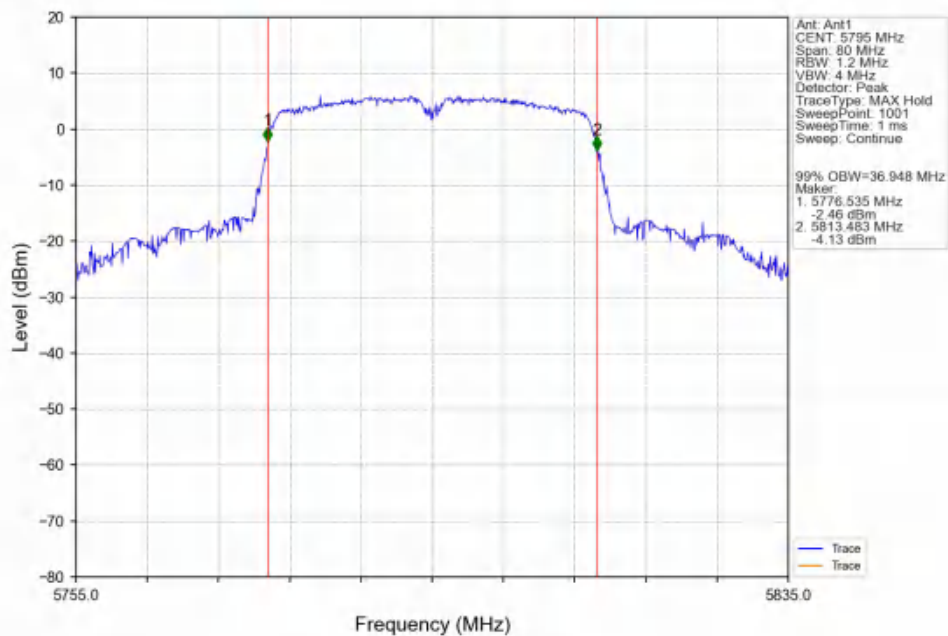
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT40) LCH 5755MHz Ant1 NTN

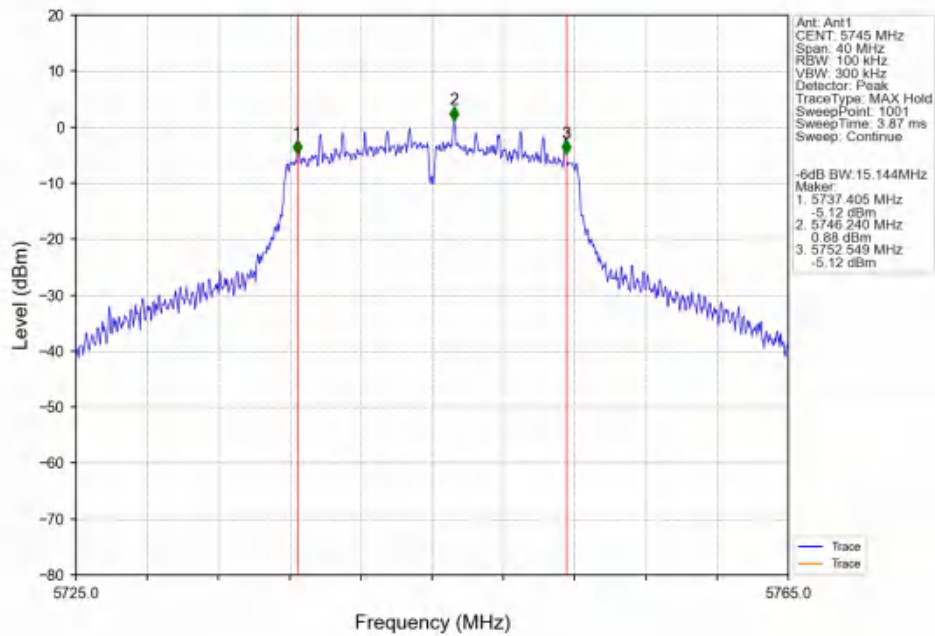


802.11ac(VHT40) HCH 5795MHz Ant1 NTN

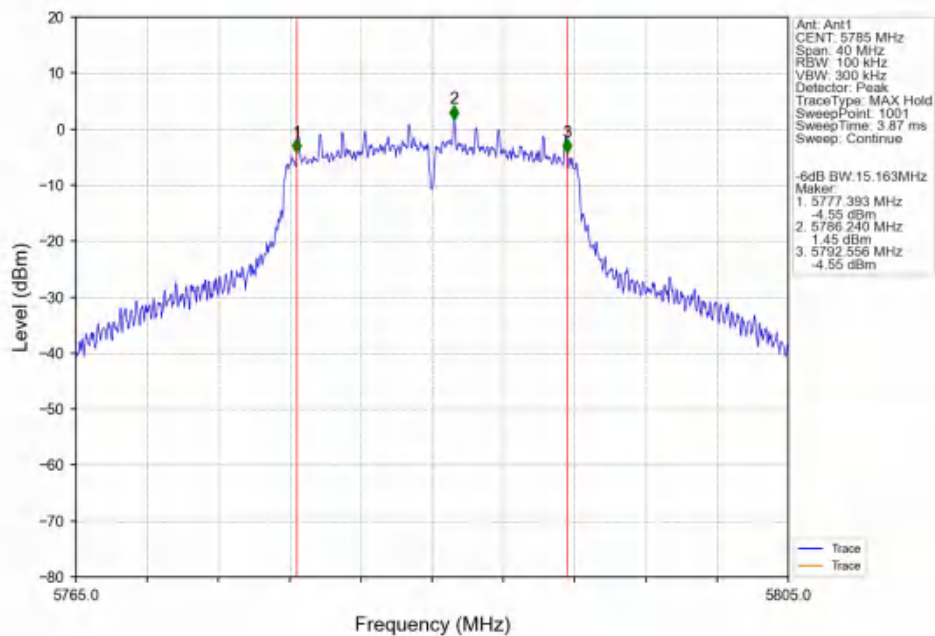


2.2.2 6dB BW

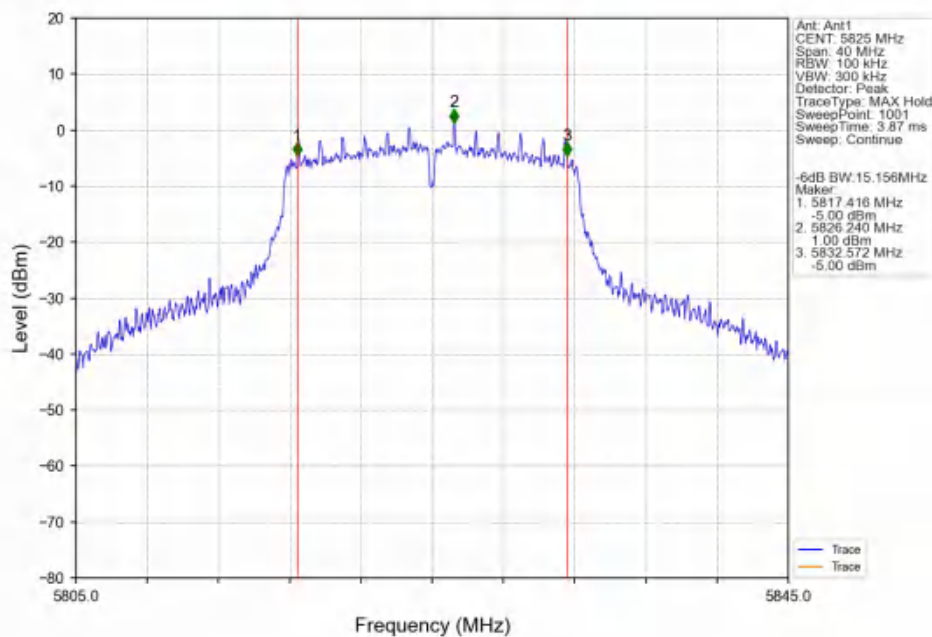
802.11a_LCH_5745MHz_Ant1_NTNV



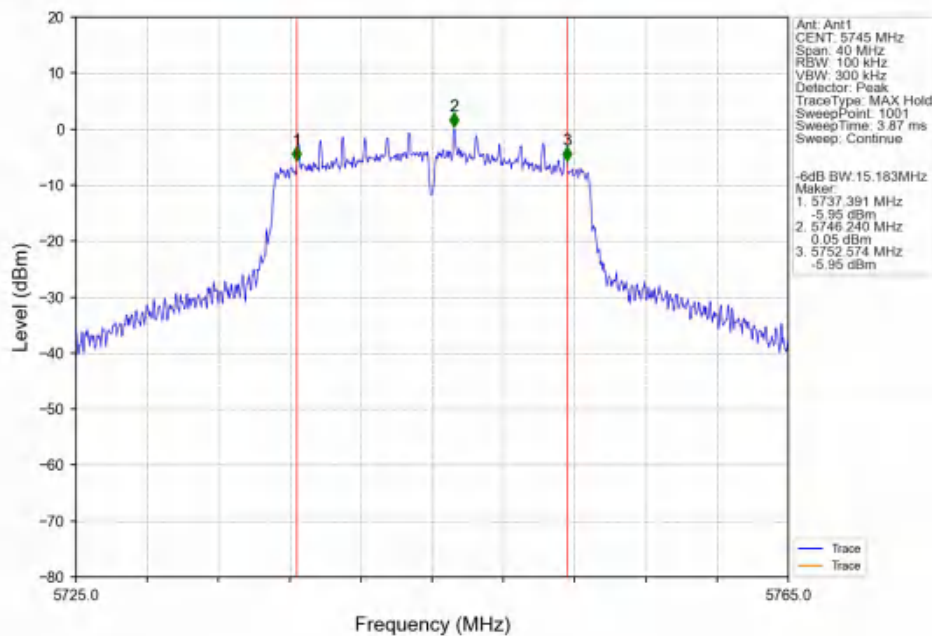
802.11a_MCH_5785MHz_Ant1_NTNV



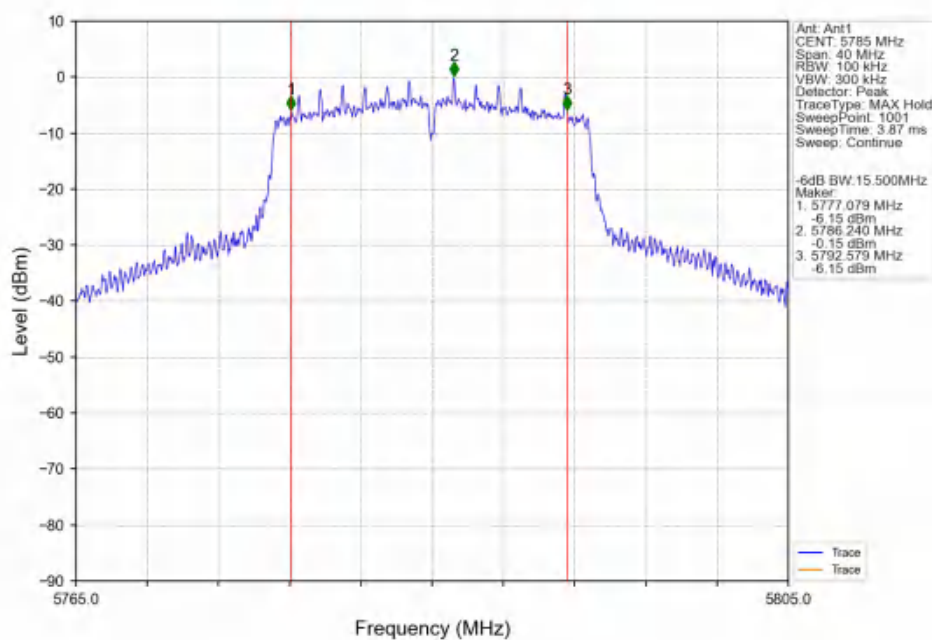
802.11a_HCH_5825MHz_Ant1_NTNV



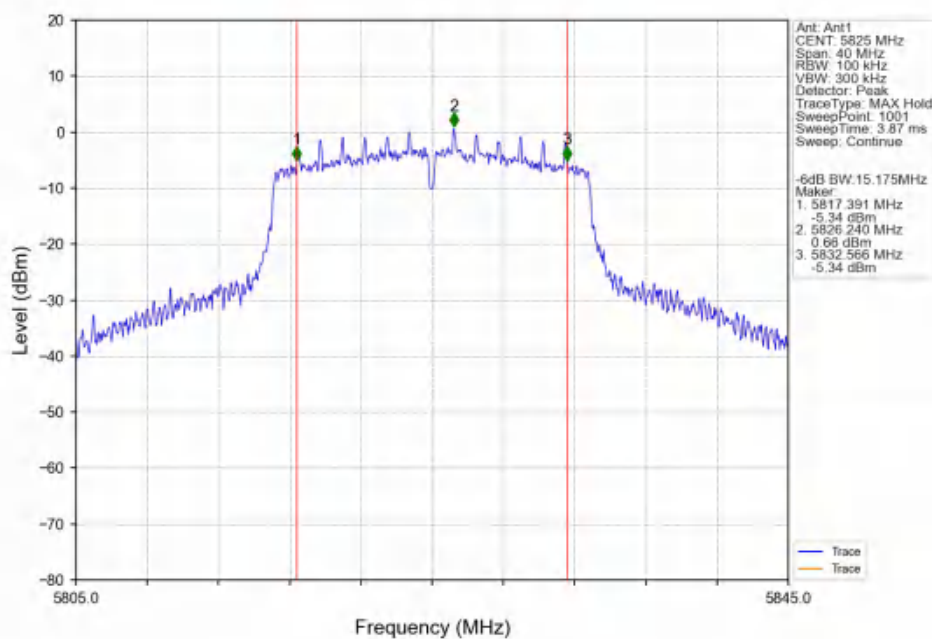
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



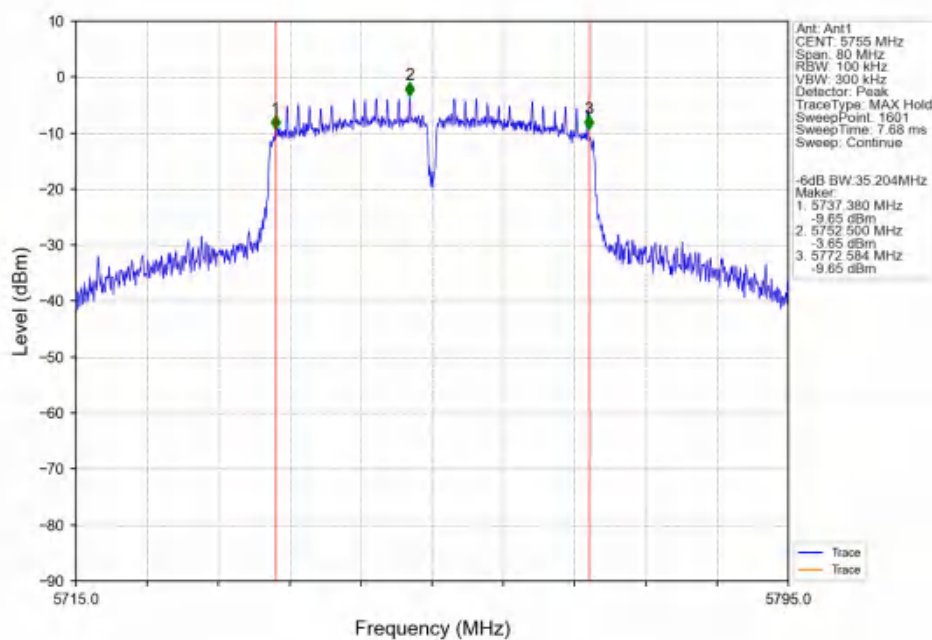
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



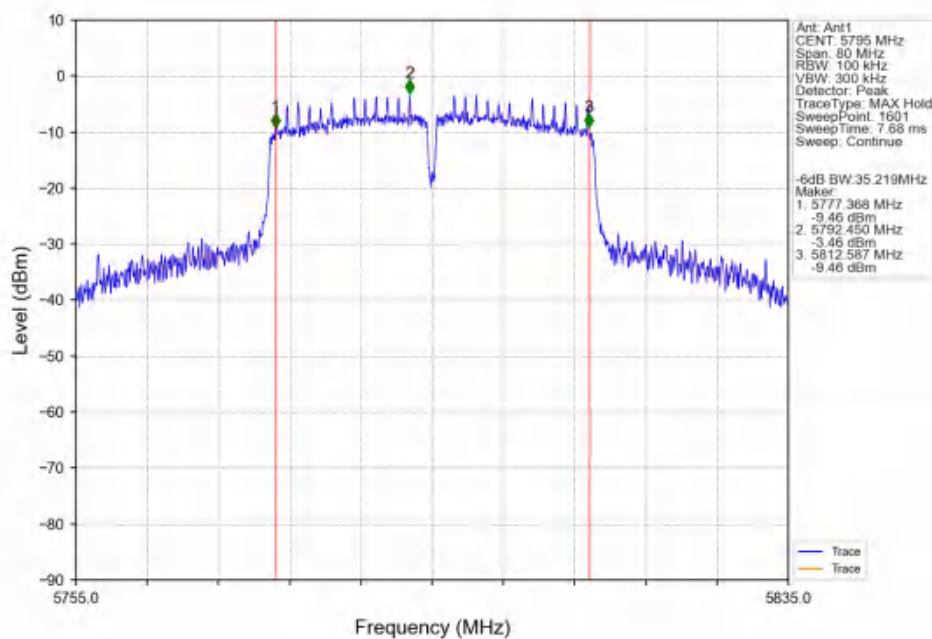
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



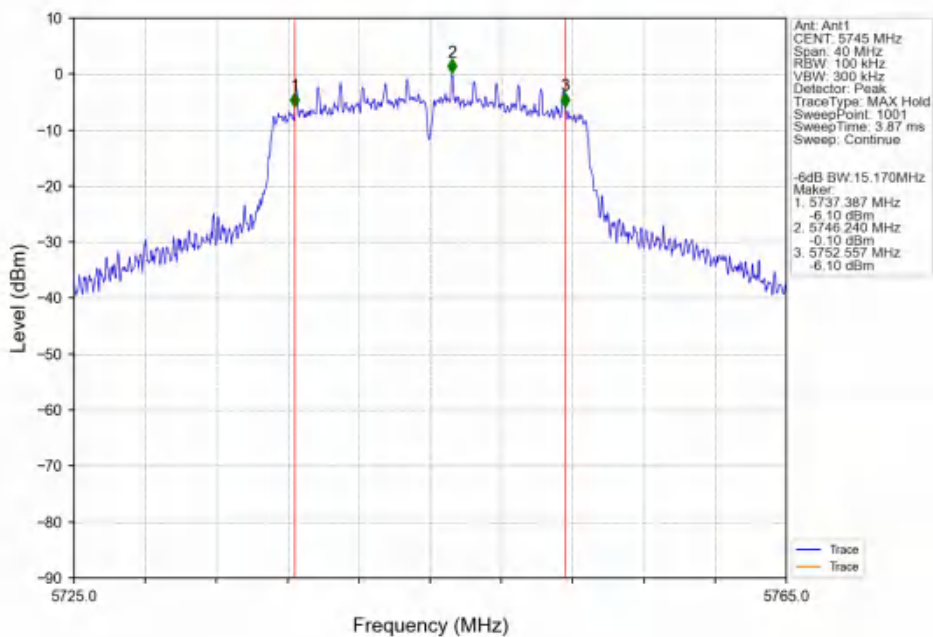
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



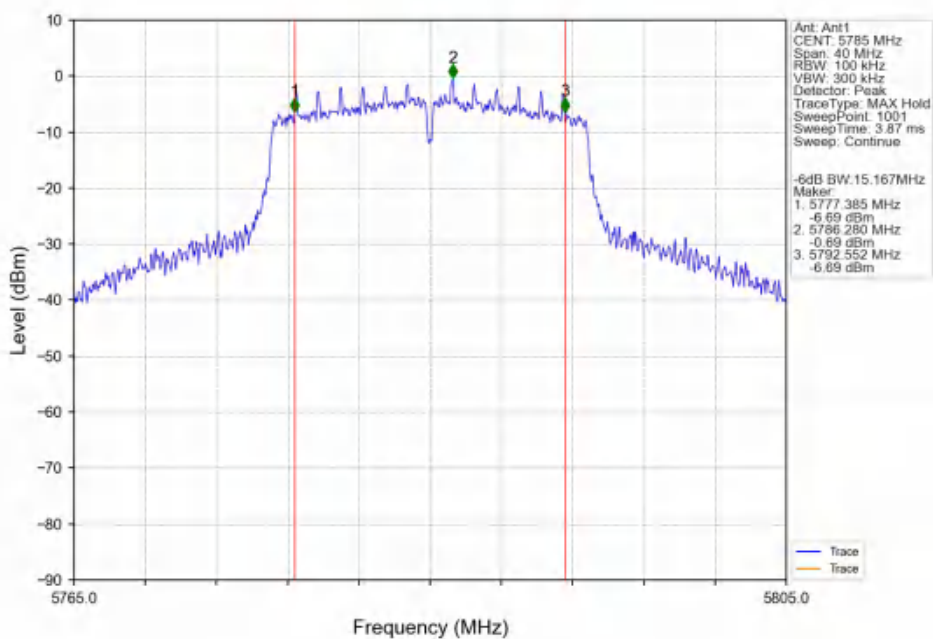
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



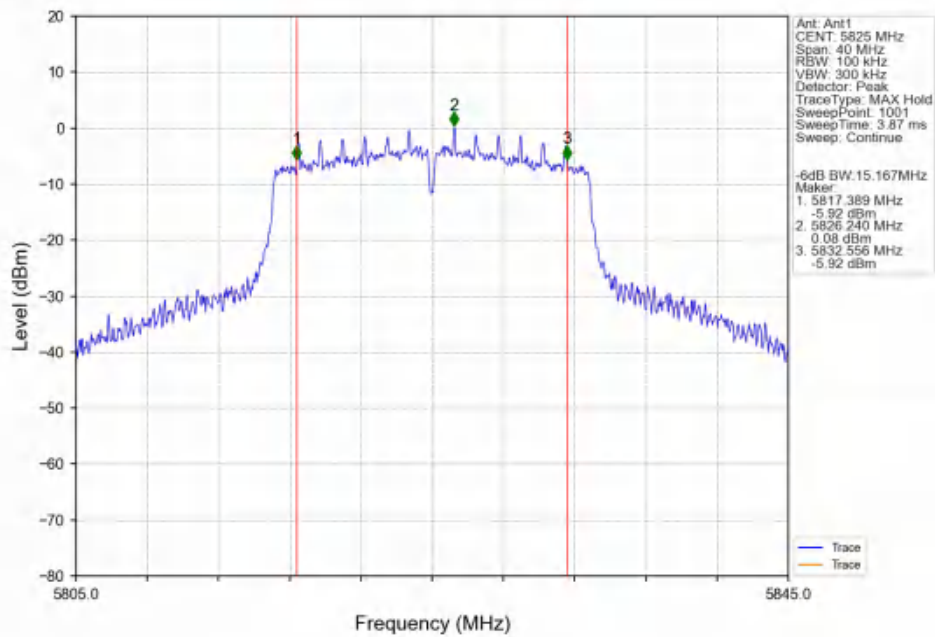
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



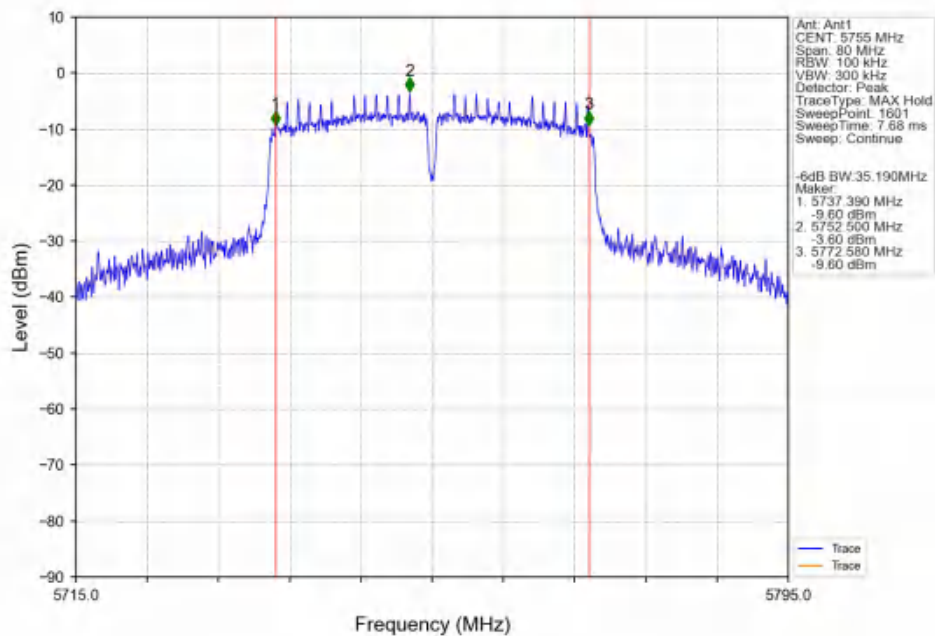
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



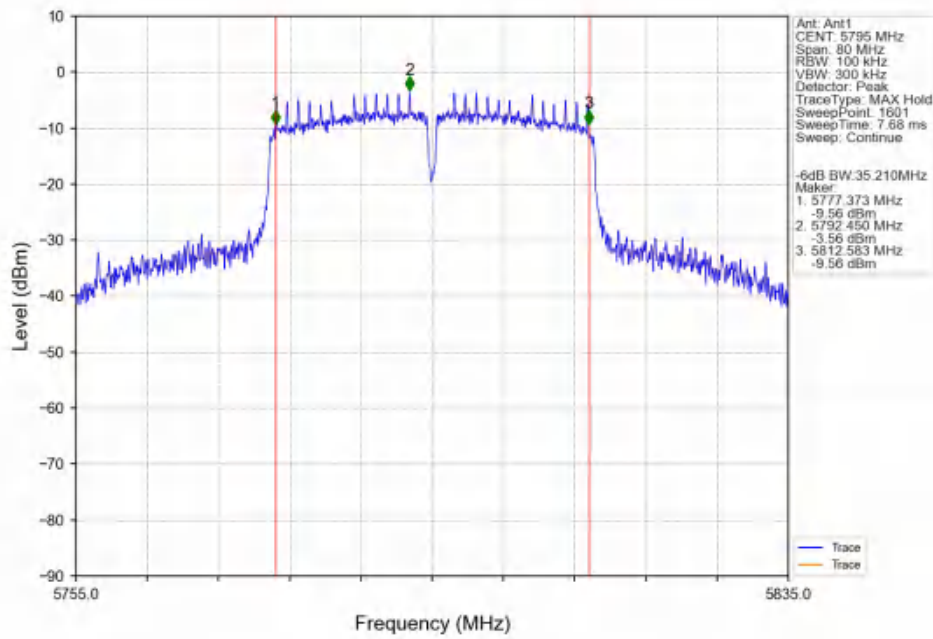
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

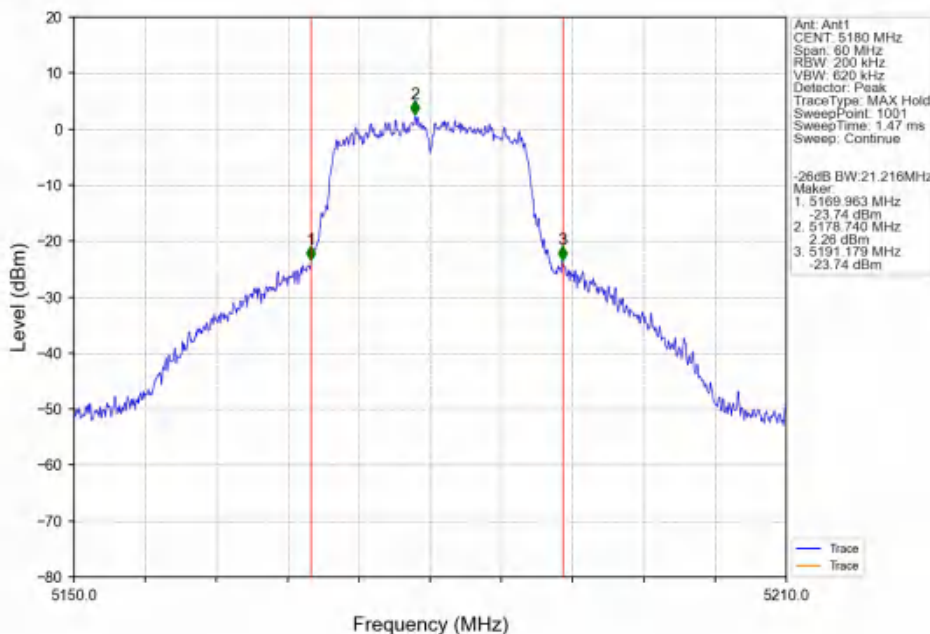


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

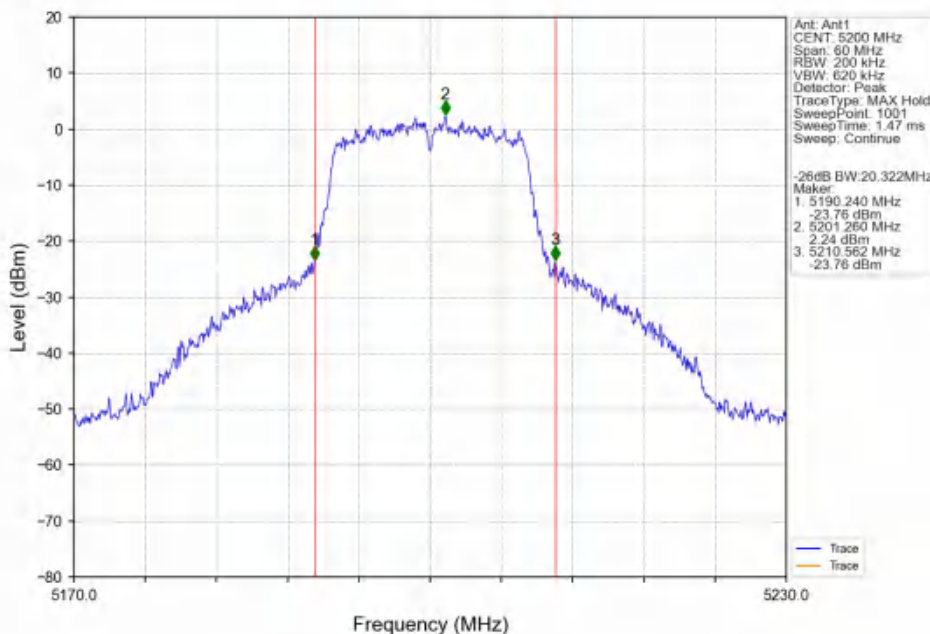


2.2.3 26dB BW

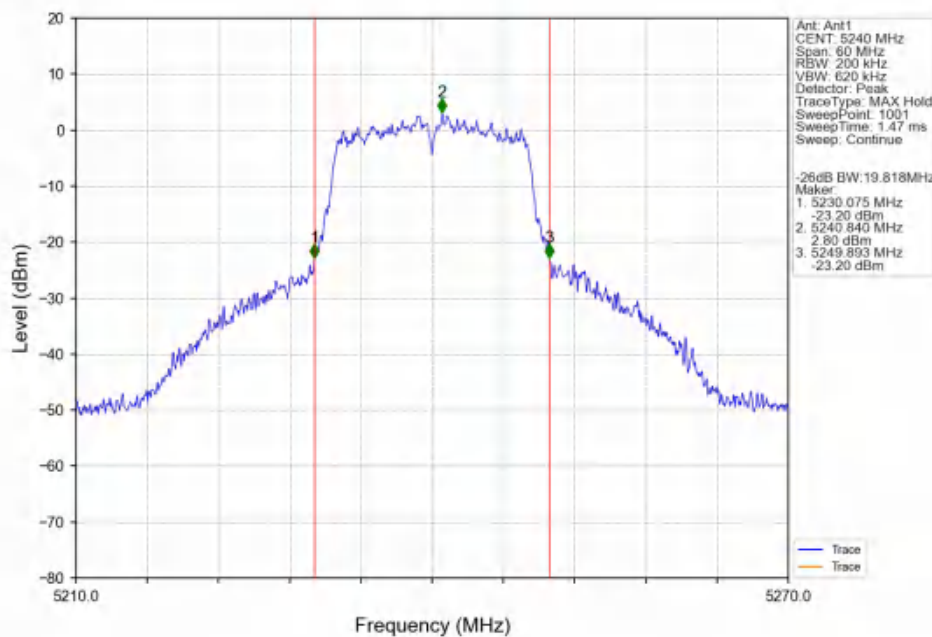
802.11a_LCH_5180MHz_Ant1_NTNV



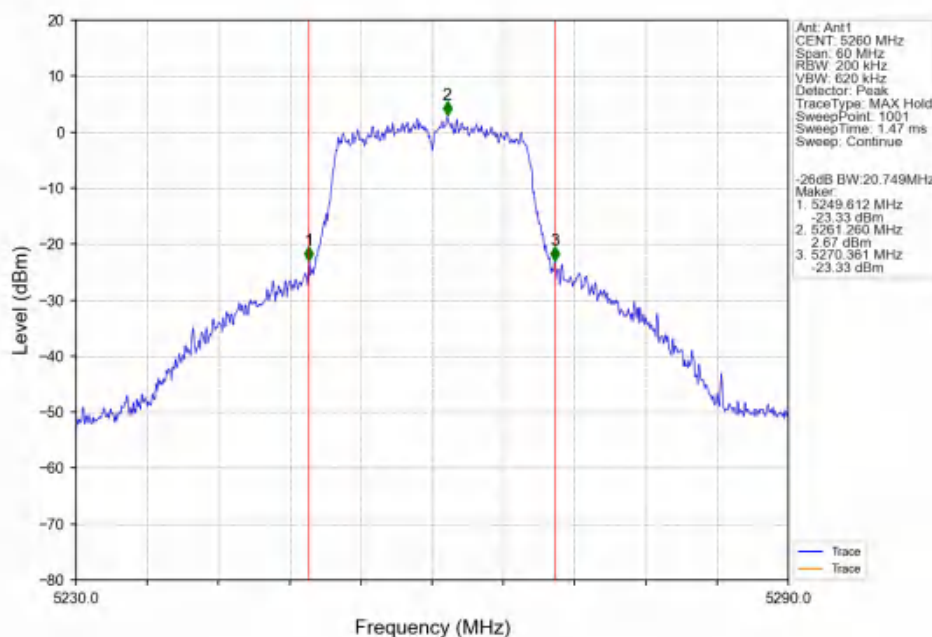
802.11a_MCH_5200MHz_Ant1_NTNV



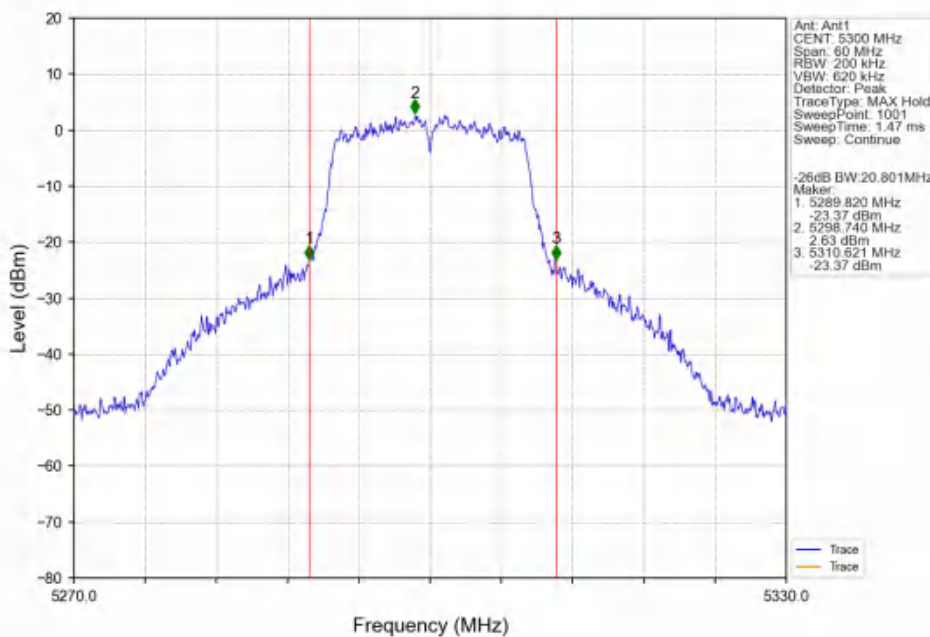
802.11a_HCH_5240MHz_Ant1_NTNV



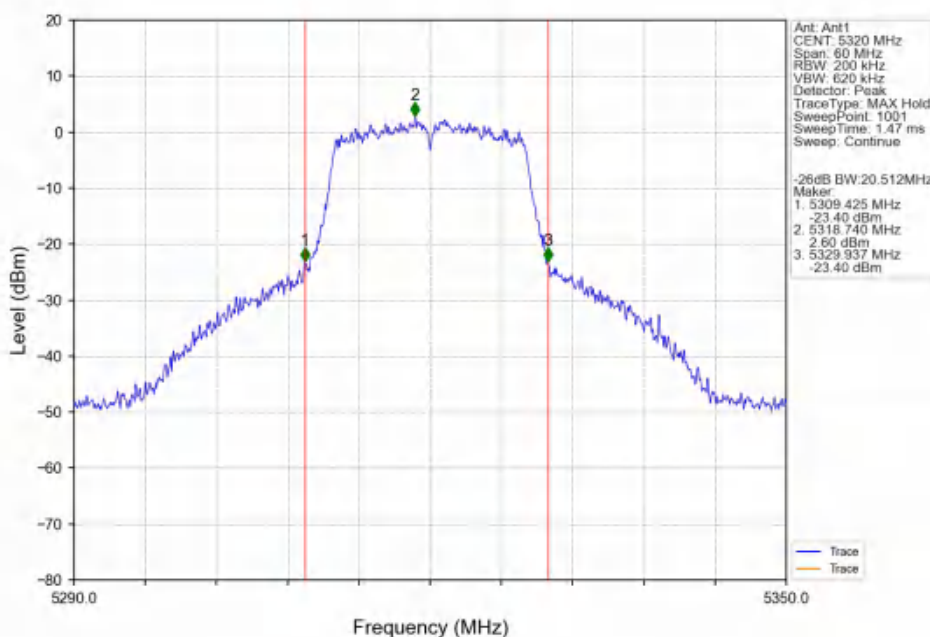
802.11a_LCH_5260MHz_Ant1_NTNV



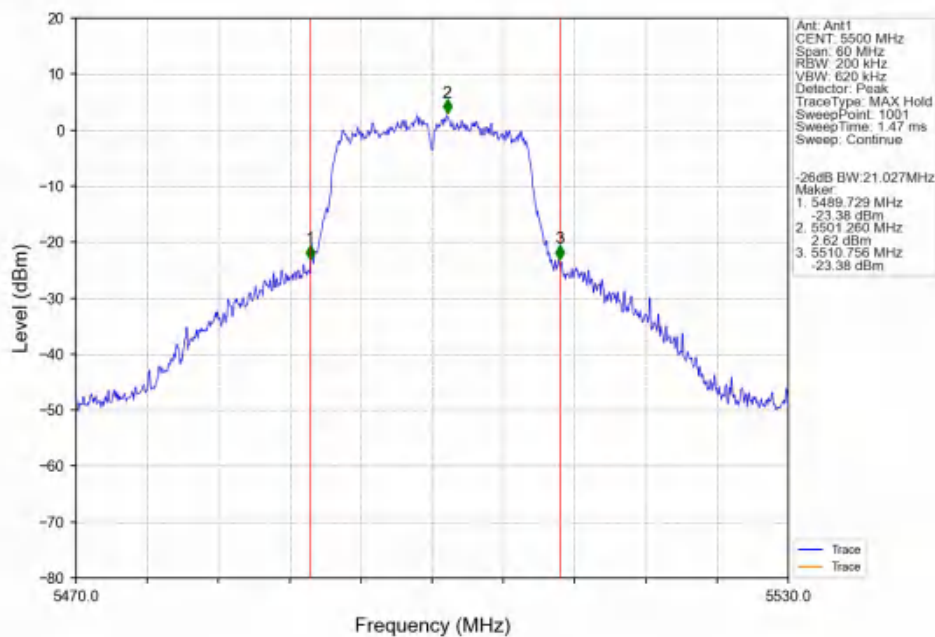
802.11a_MCH_5300MHz_Ant1_NTNV



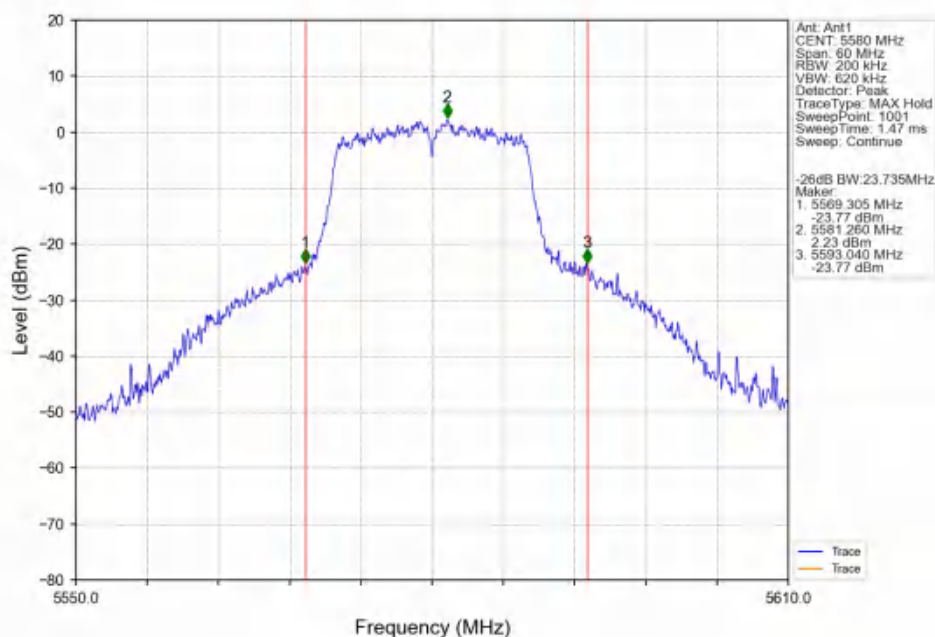
802.11a_HCH_5320MHz_Ant1_NTNV



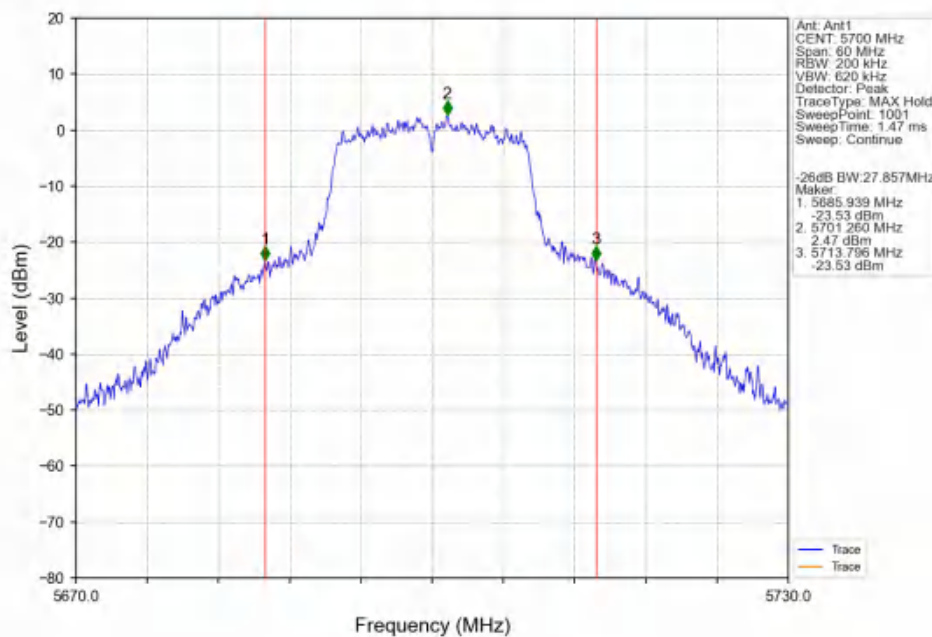
802.11a_LCH_5500MHz_Ant1_NTNV



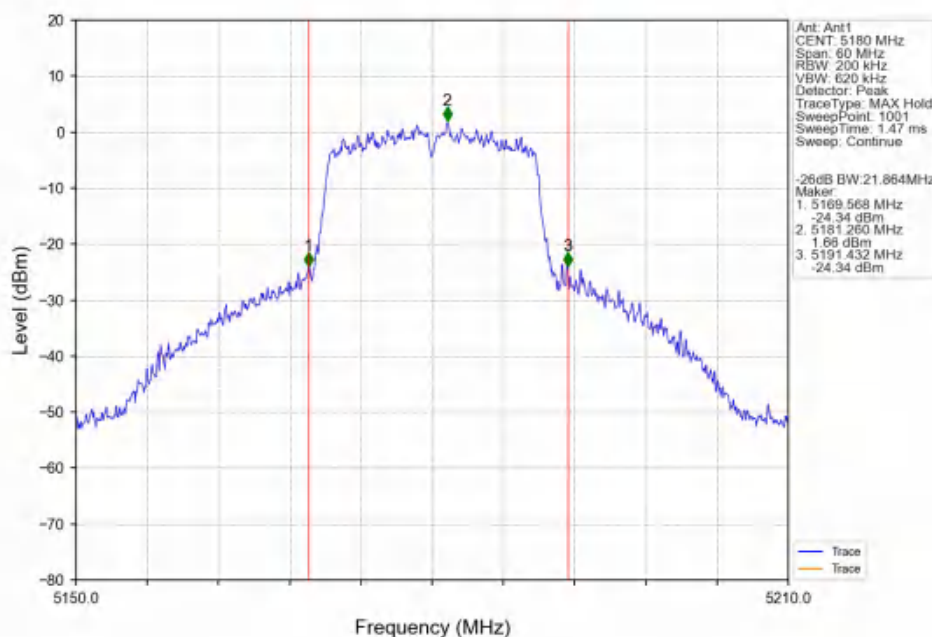
802.11a_MCH_5580MHz_Ant1_NTNV



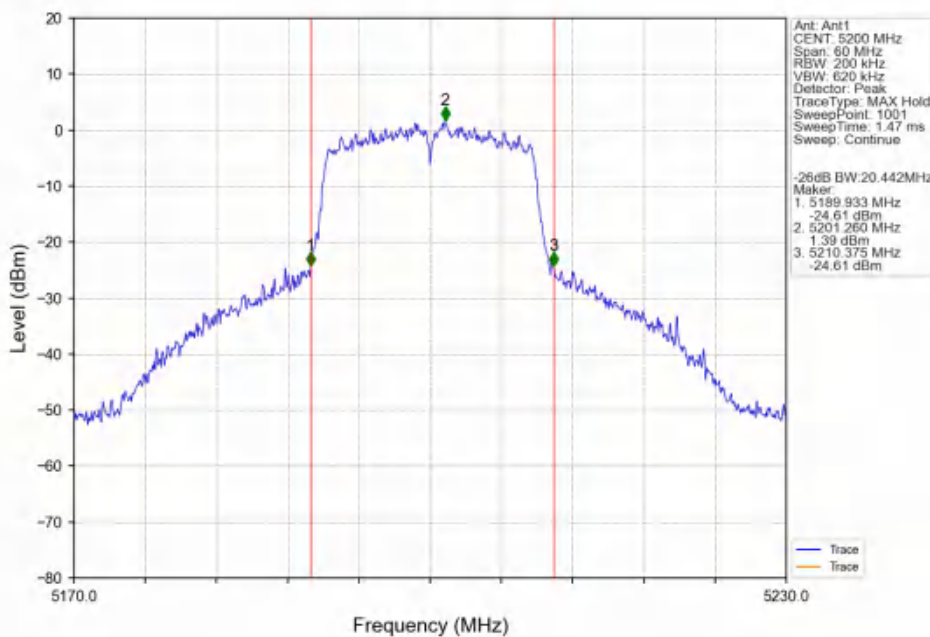
802.11a_HCH_5700MHz_Ant1_NTNV



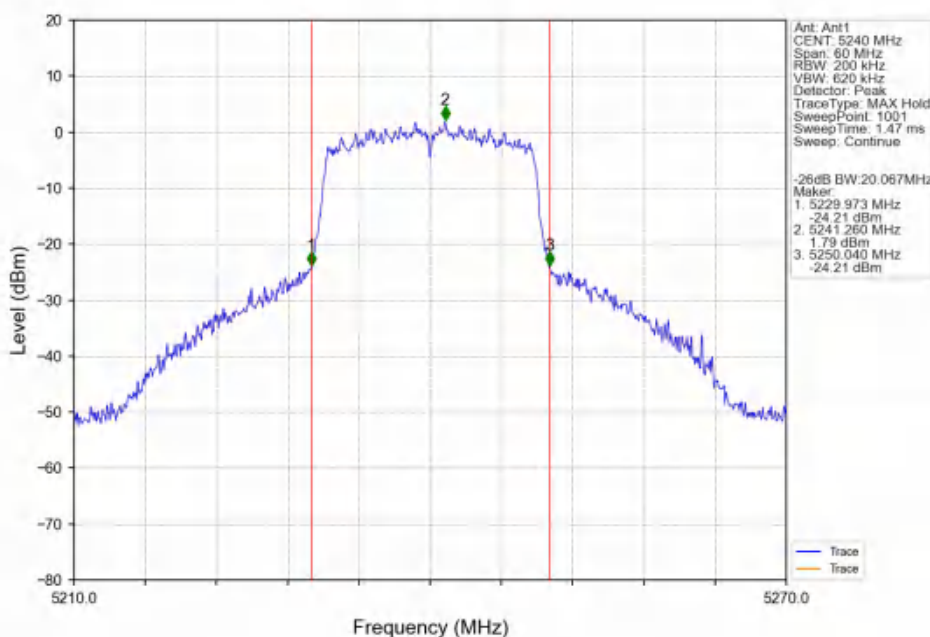
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



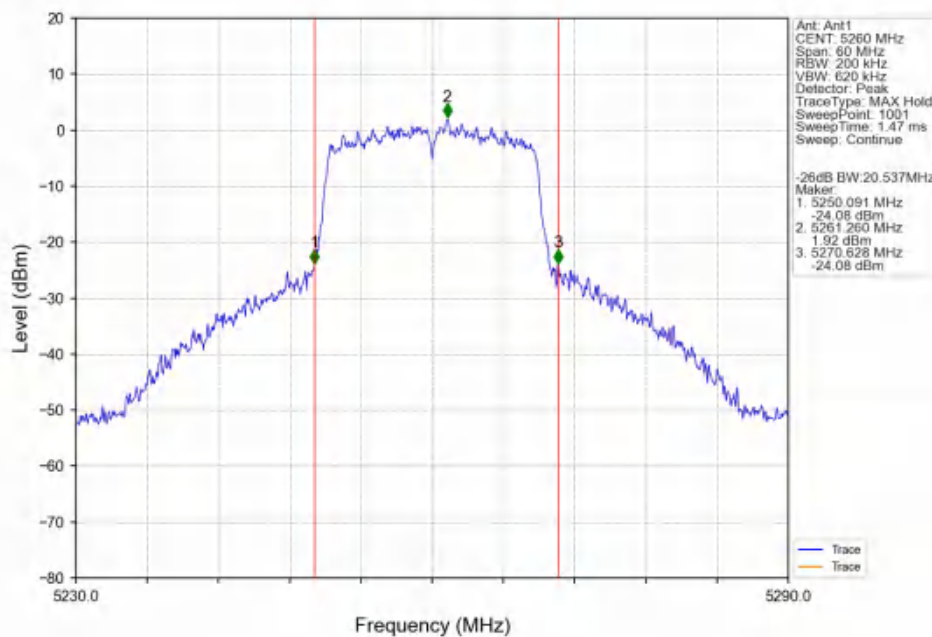
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



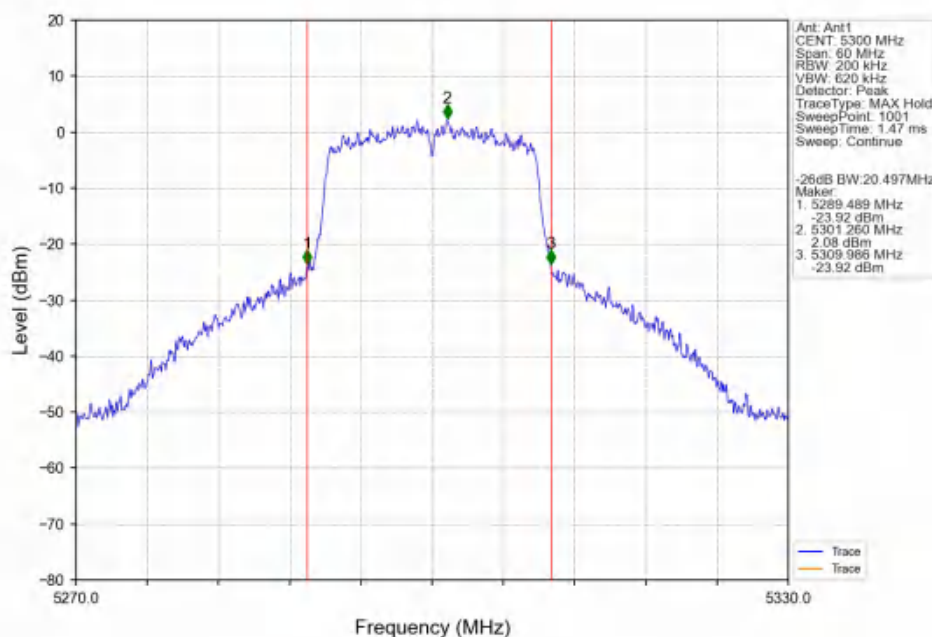
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



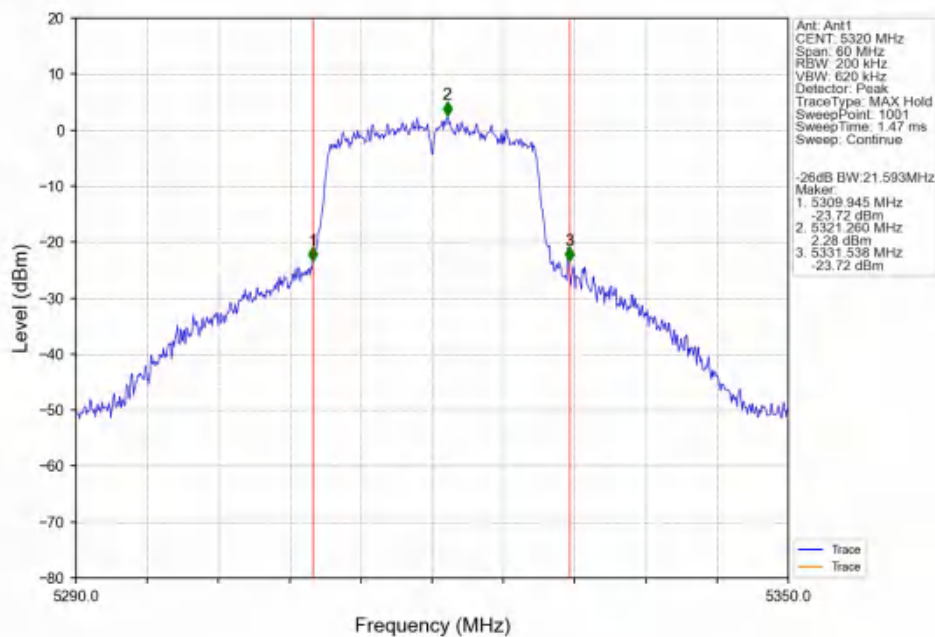
802.11n(HT20) LCH 5260MHz_Ant1_NTNV



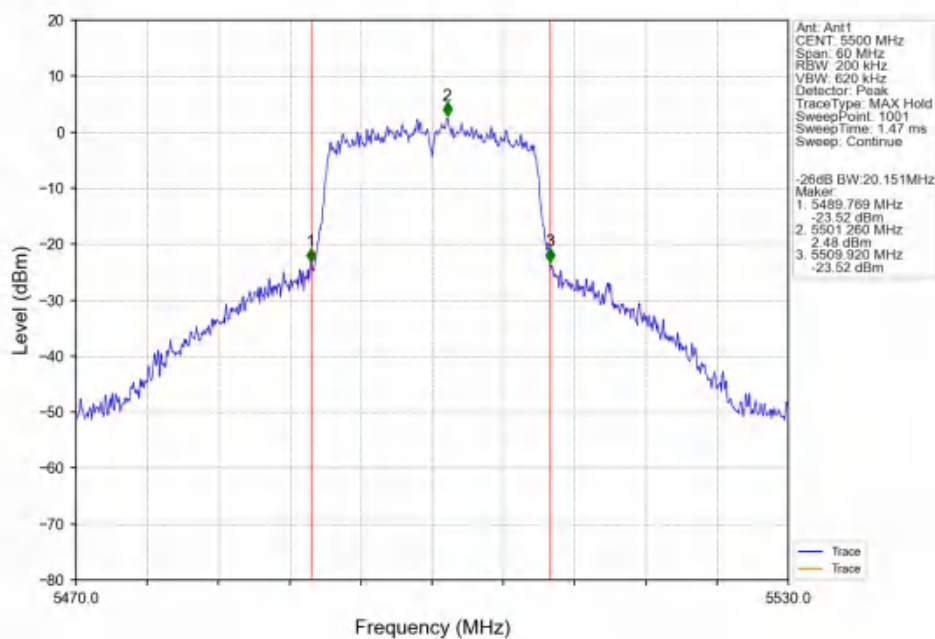
802.11n(HT20) MCH 5300MHz_Ant1_NTNV



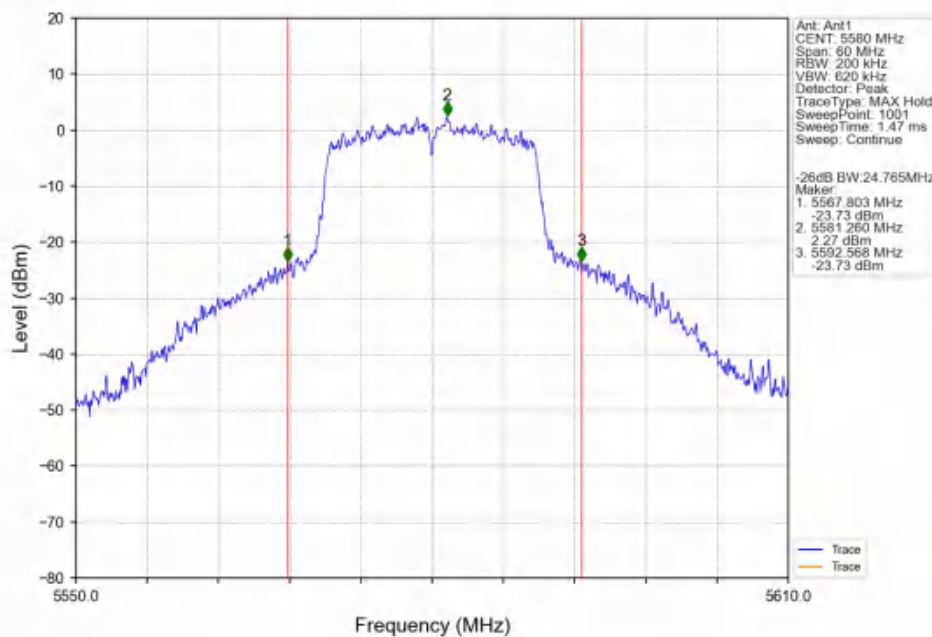
802.11n(HT20) HCH 5320MHz Ant1 NTN



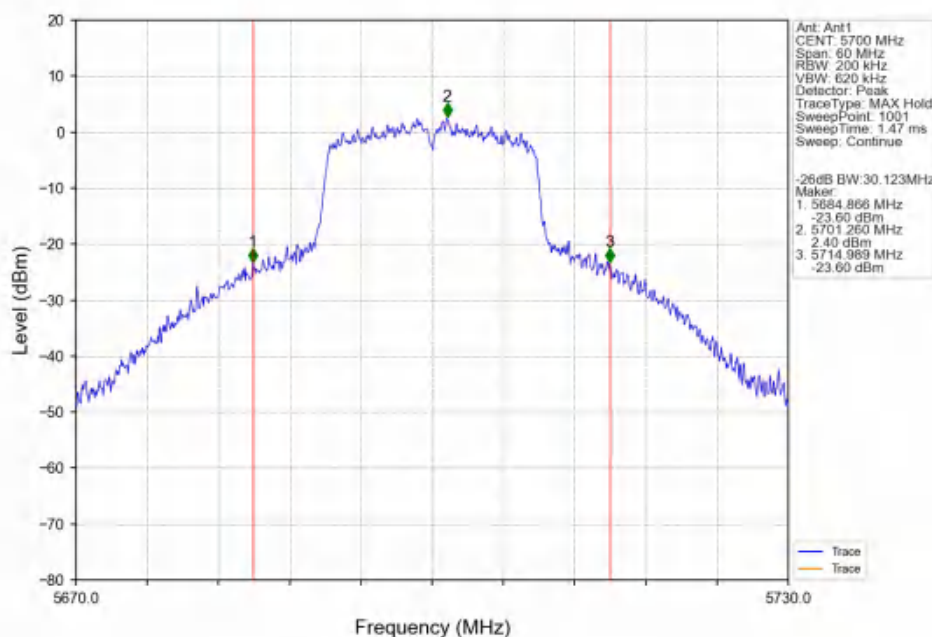
802.11n(HT20) LCH 5500MHz Ant1 NTN



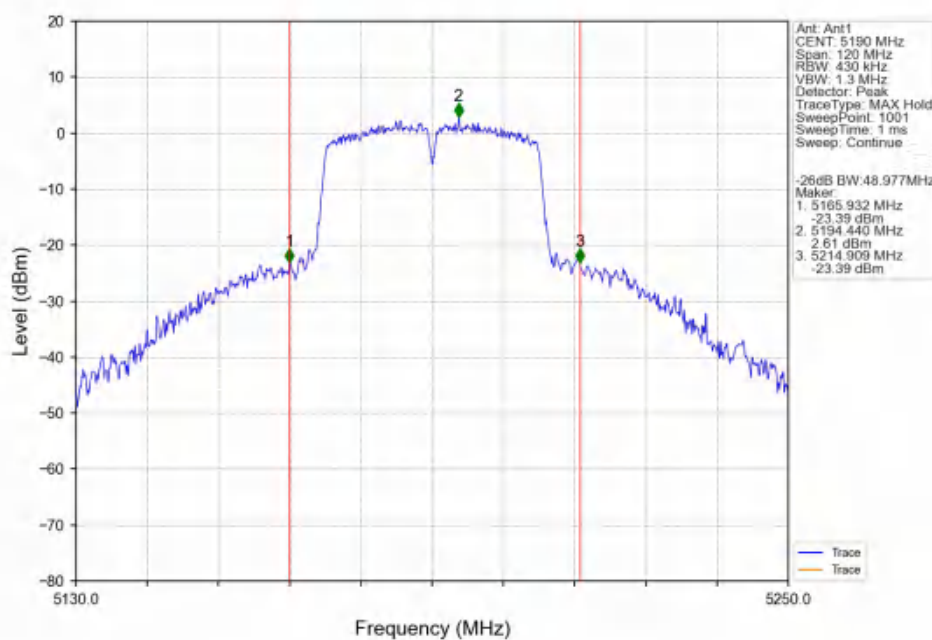
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



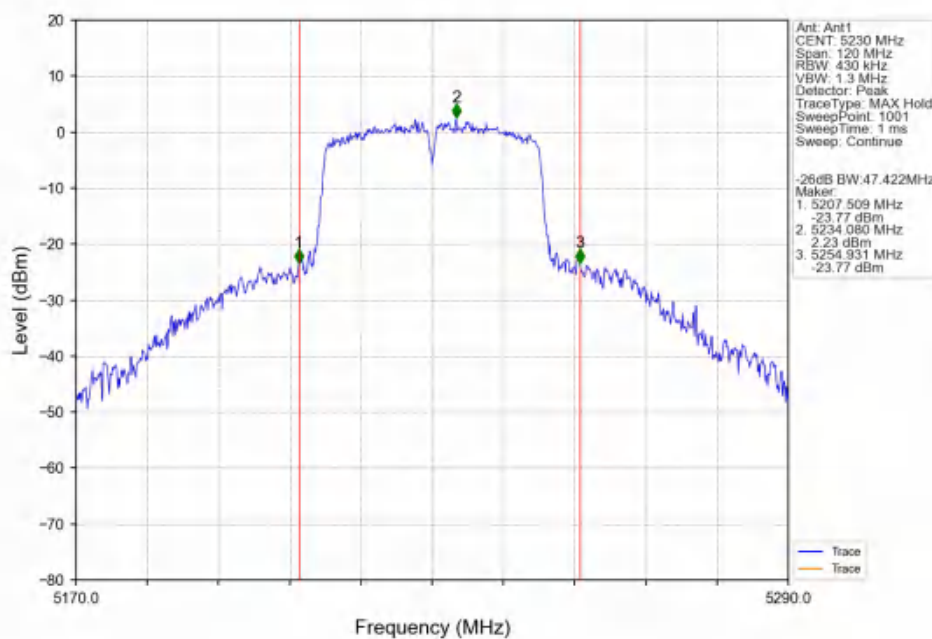
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



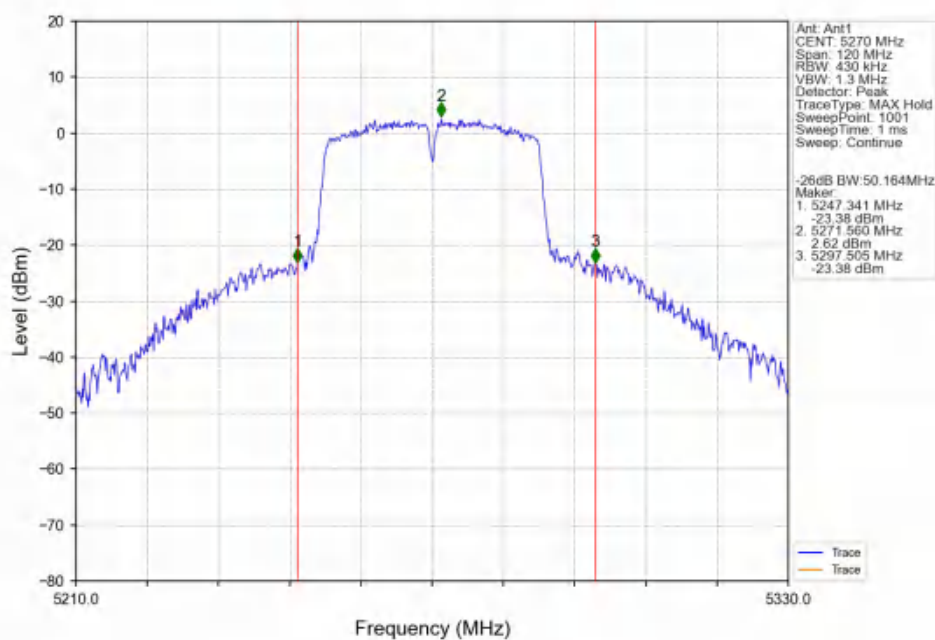
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



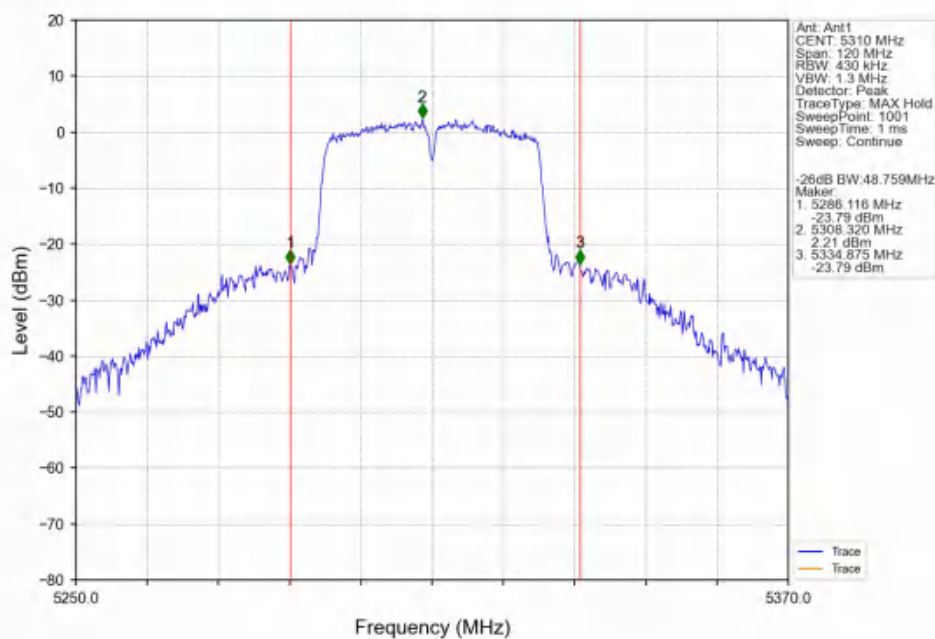
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



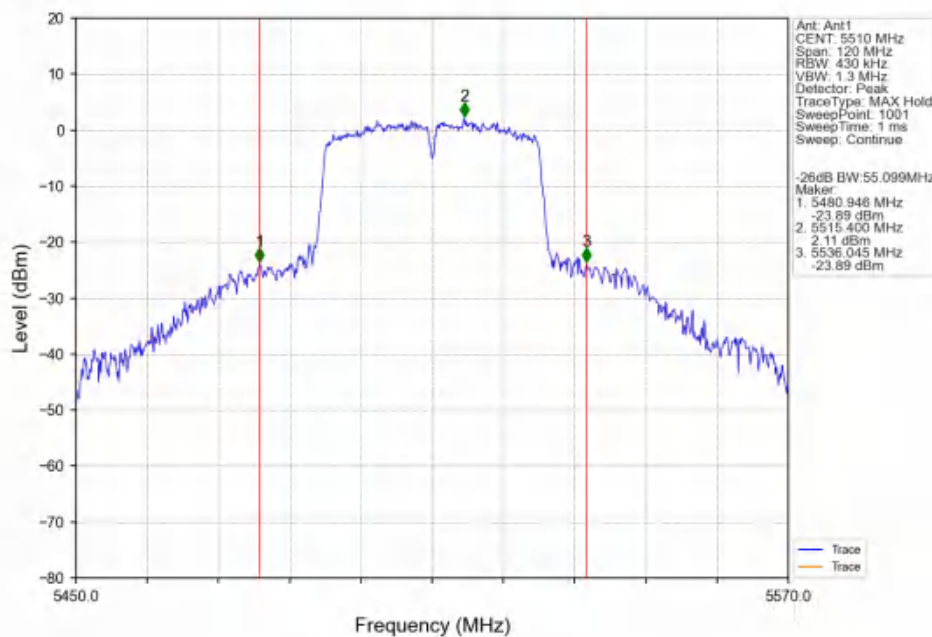
802.11n(HT40) LCH 5270MHz_Ant1_NTNV



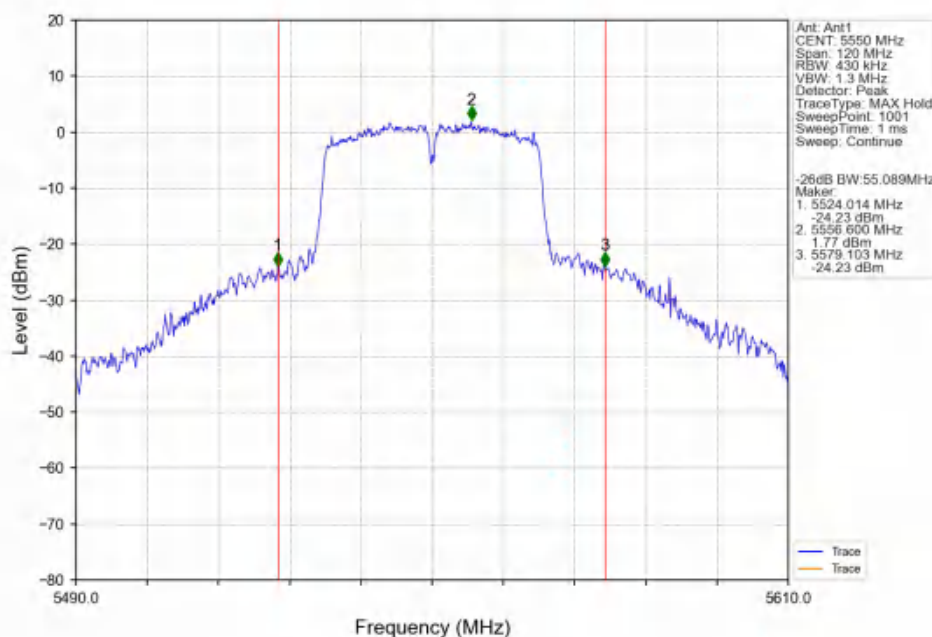
802.11n(HT40) HCH 5310MHz_Ant1_NTNV



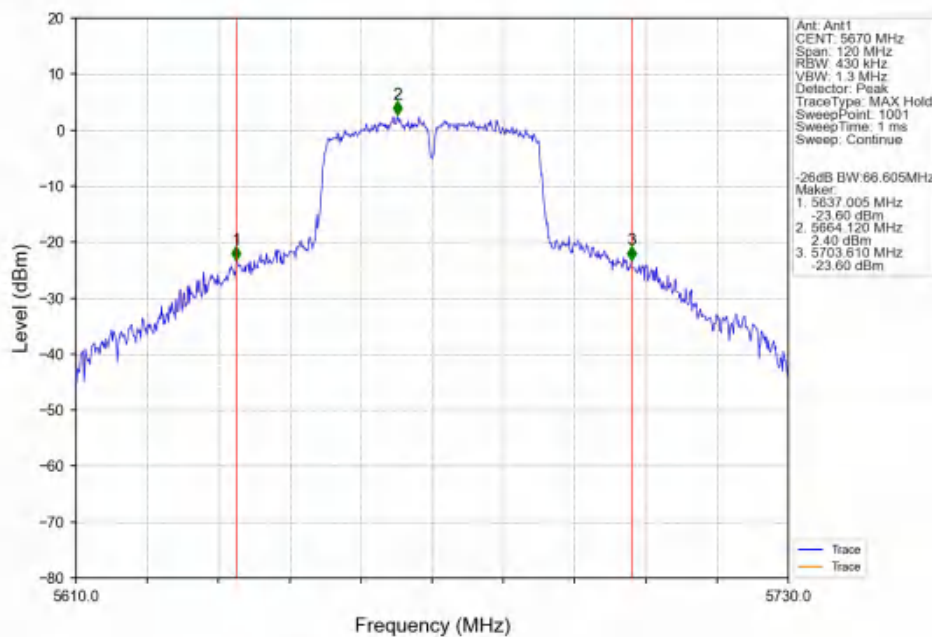
802.11n(HT40) LCH 5510MHz_Ant1_NTNV



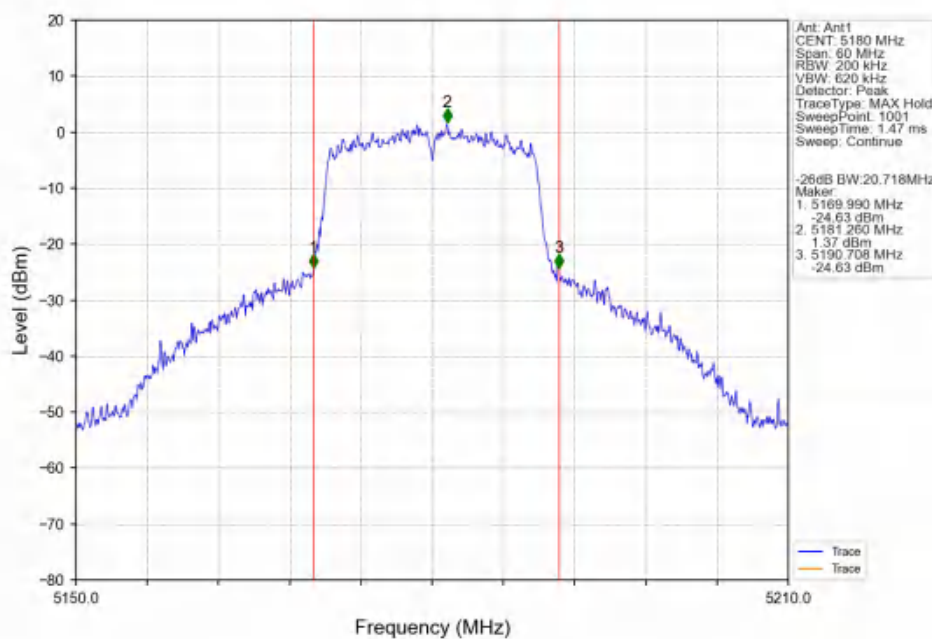
802.11n(HT40) MCH 5550MHz_Ant1_NTNV



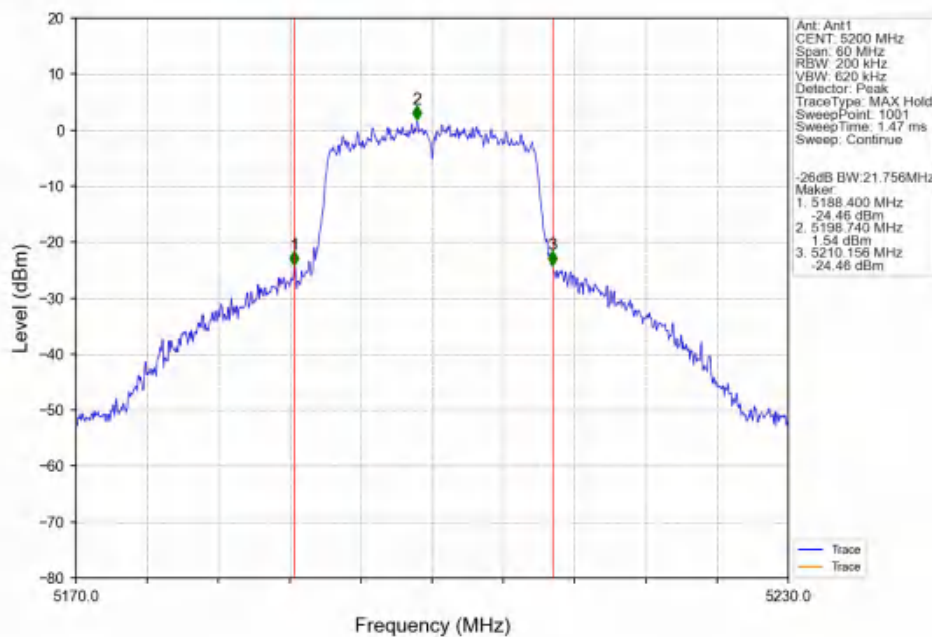
802.11n(HT40) HCH 5670MHz Ant1 NTV



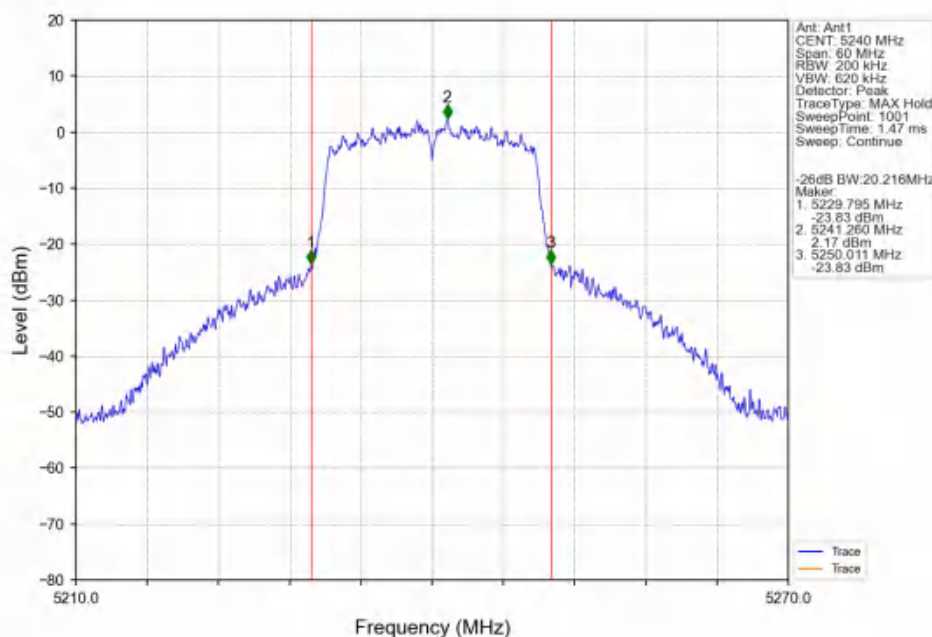
802.11ac(VHT20) LCH 5180MHz Ant1 NTV



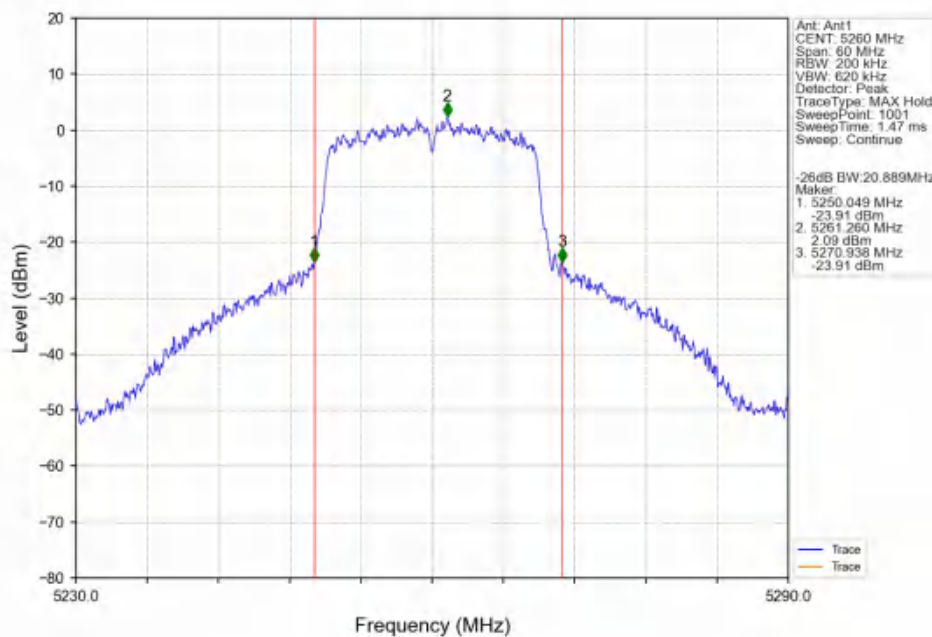
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



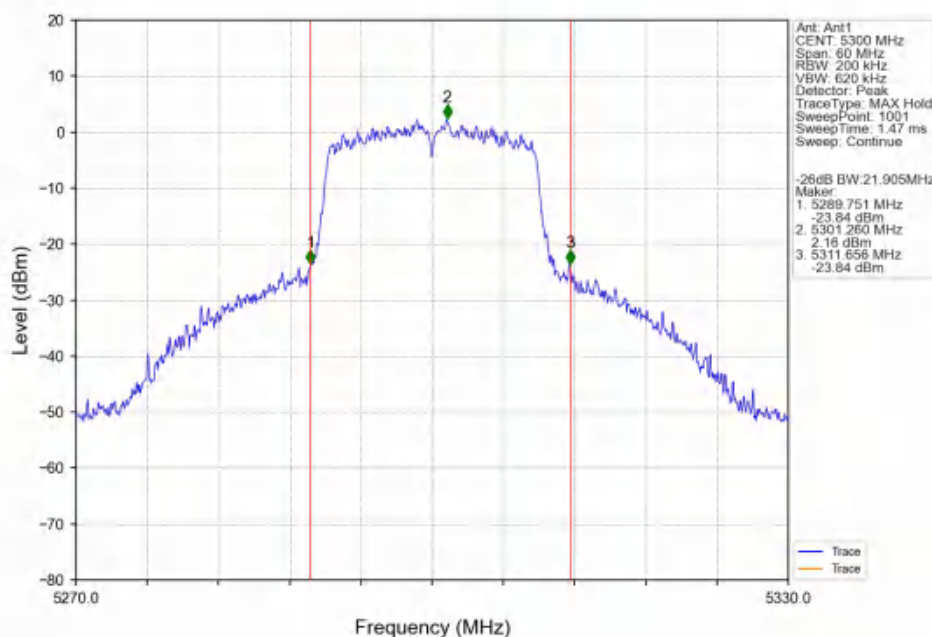
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



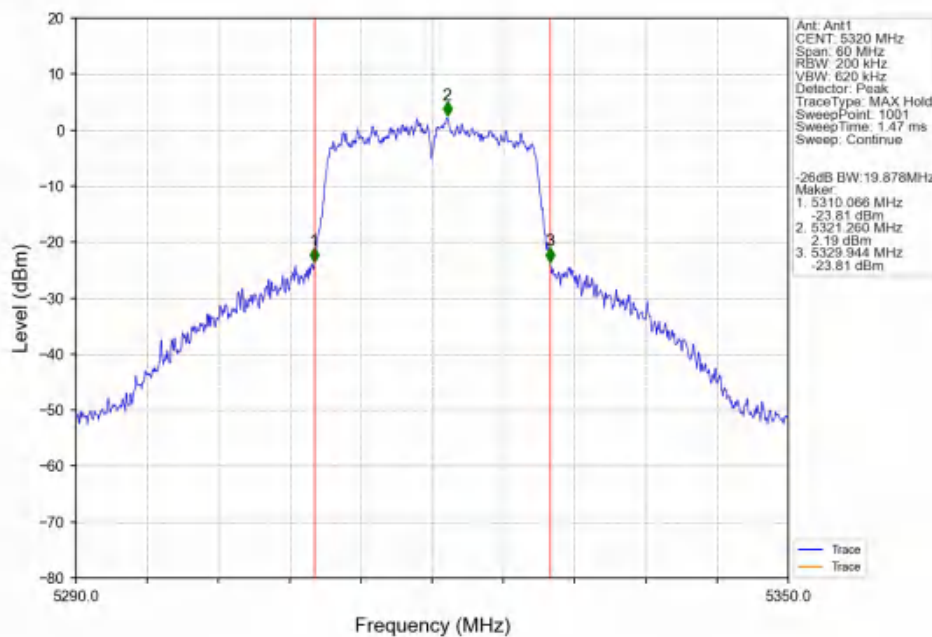
802.11ac(VHT20) LCH 5260MHz Ant1 NTN



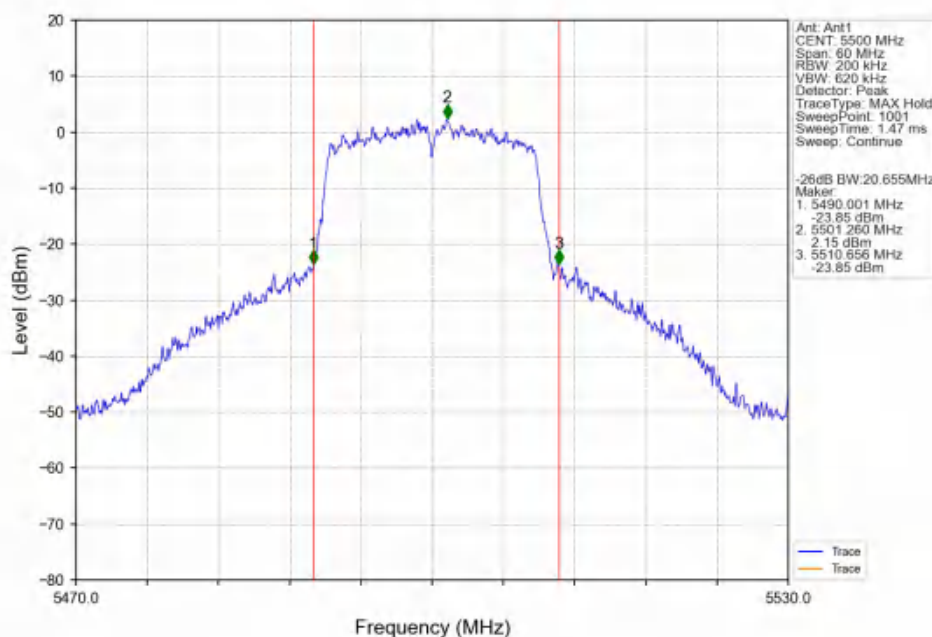
802.11ac(VHT20) MCH 5300MHz Ant1 NTN



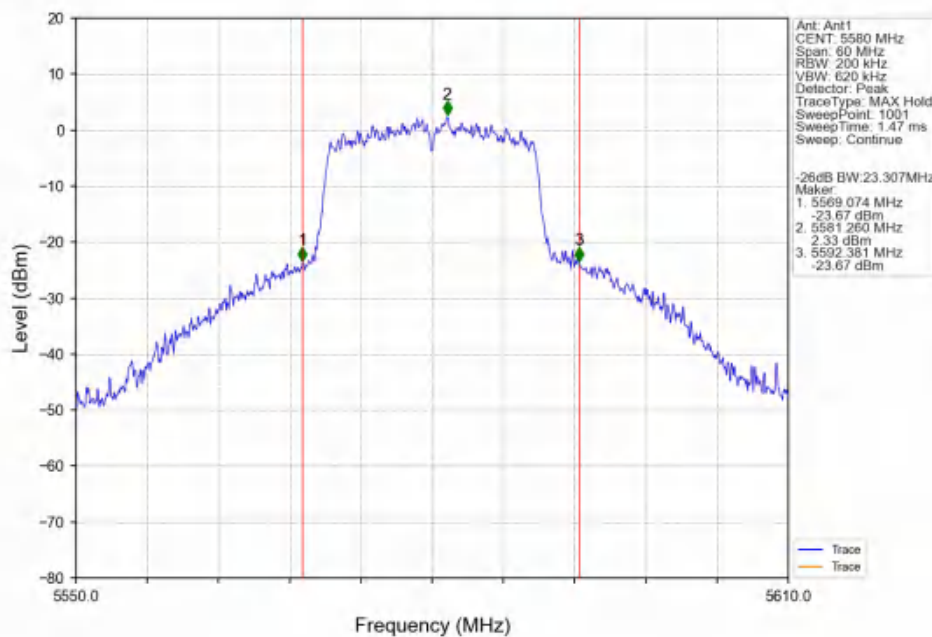
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



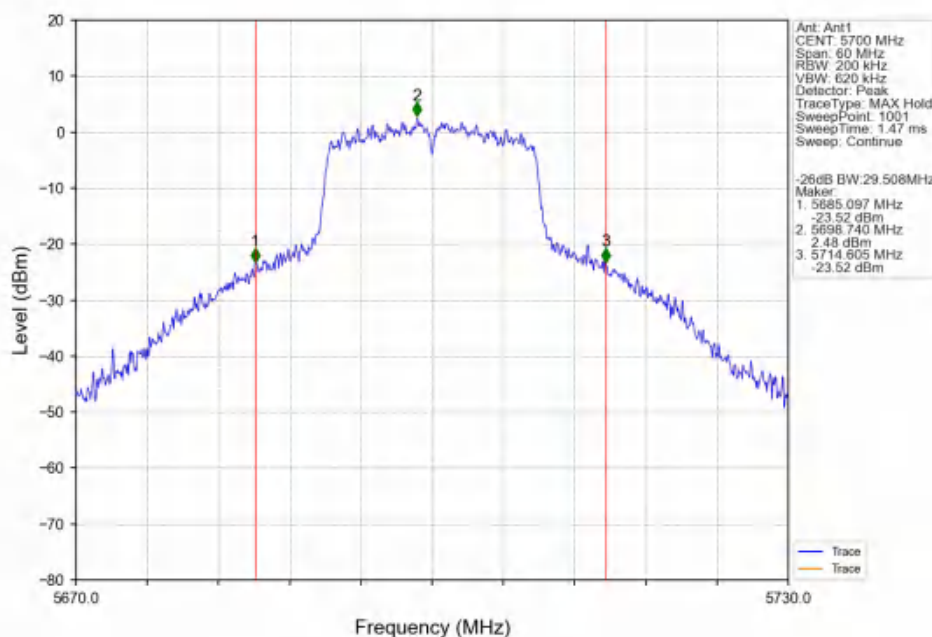
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



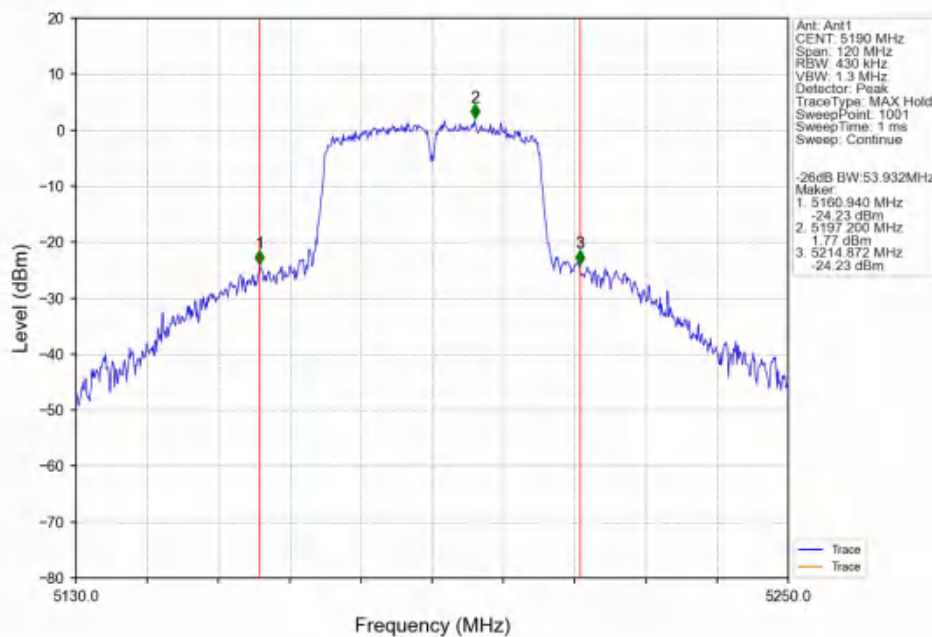
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



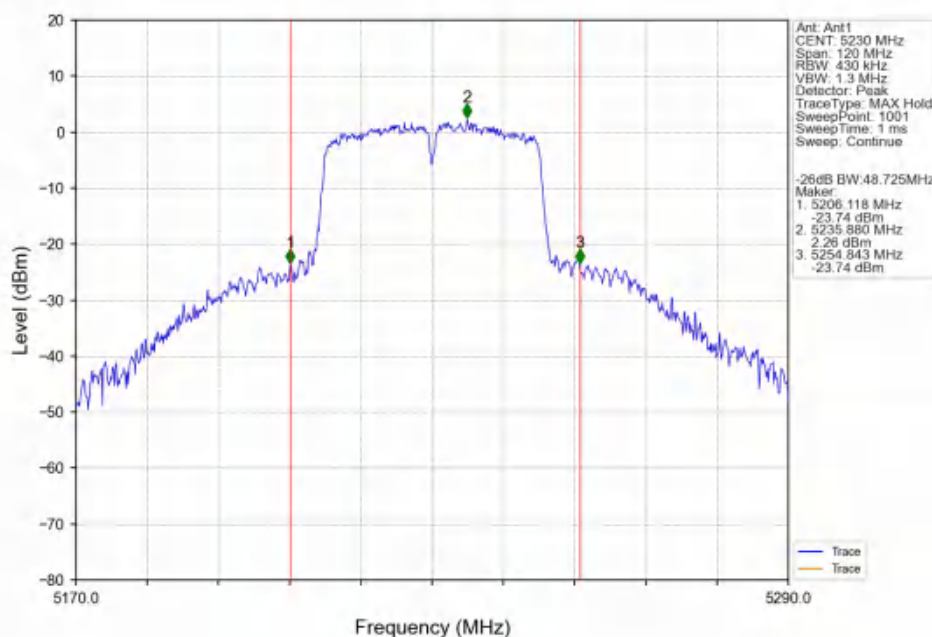
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



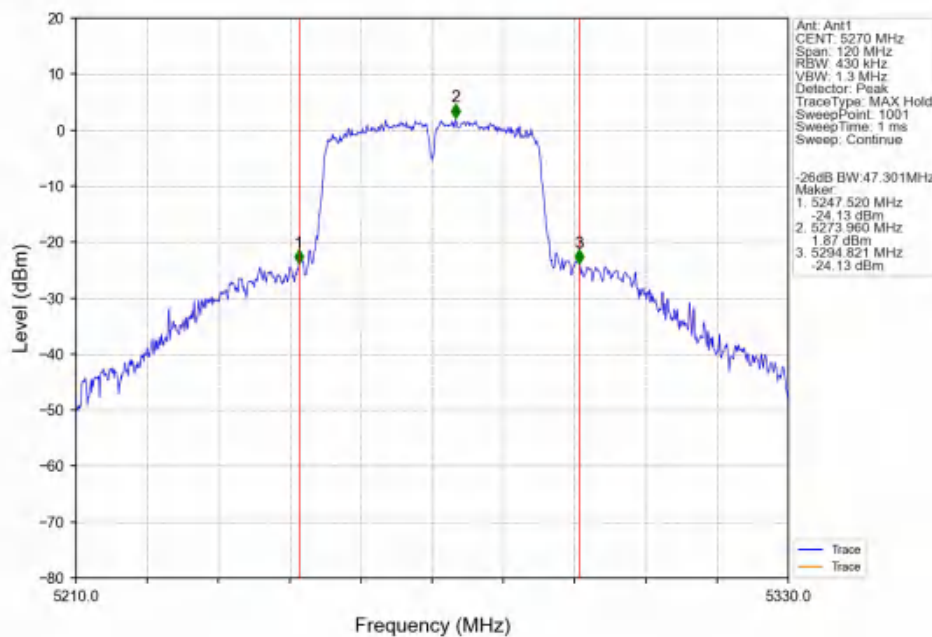
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



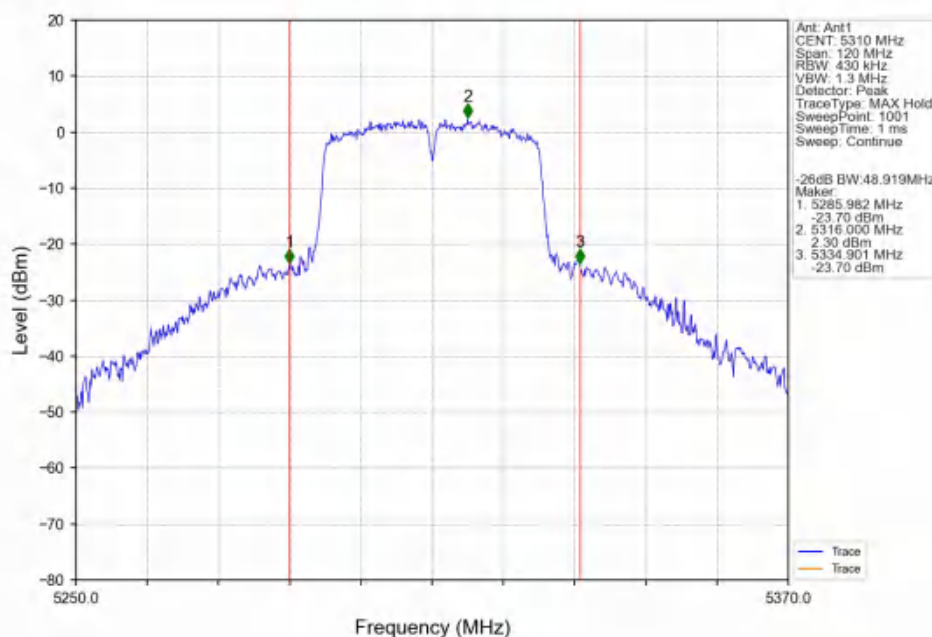
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



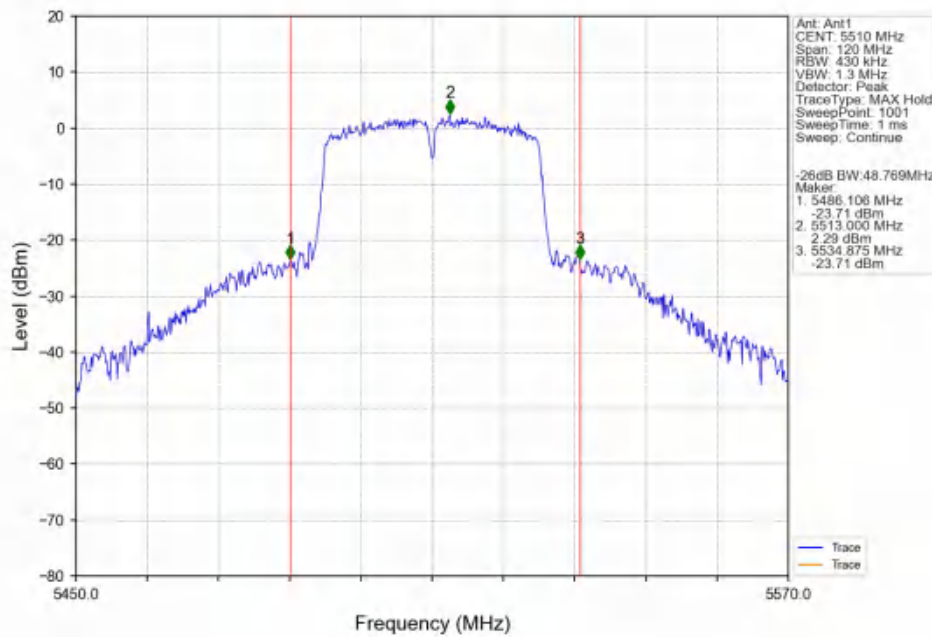
802.11ac(VHT40) LCH 5270MHz Ant1 NTN



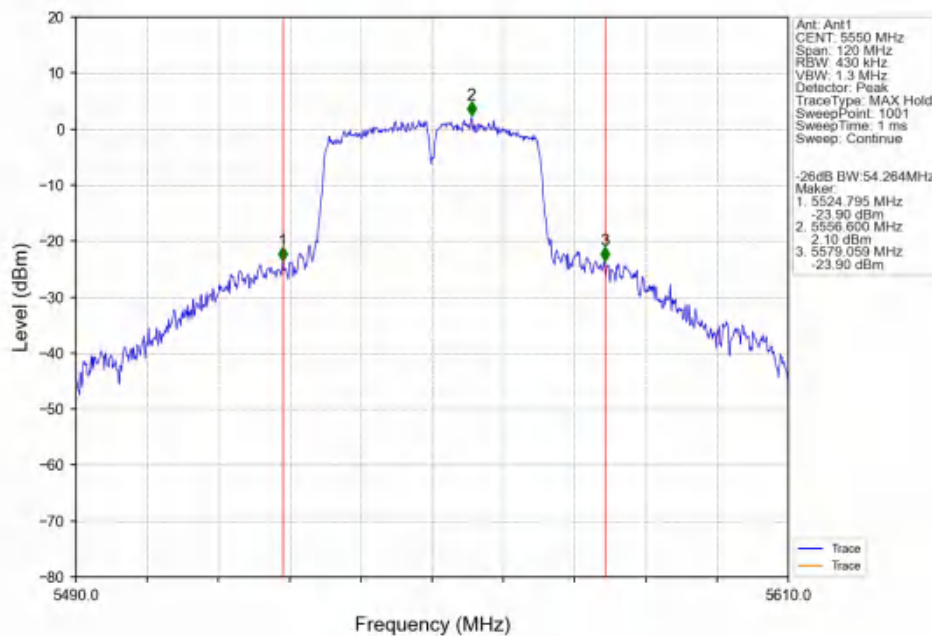
802.11ac(VHT40) HCH 5310MHz Ant1 NTN



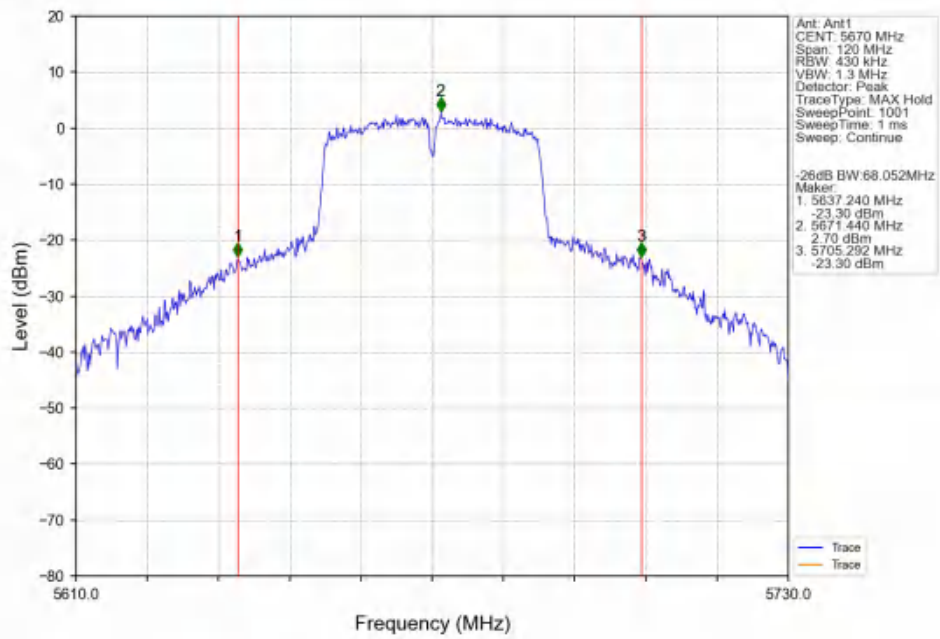
802.11ac(VHT40) LCH 5510MHz Ant1 NTN



802.11ac(VHT40) MCH 5550MHz Ant1 NTN



802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

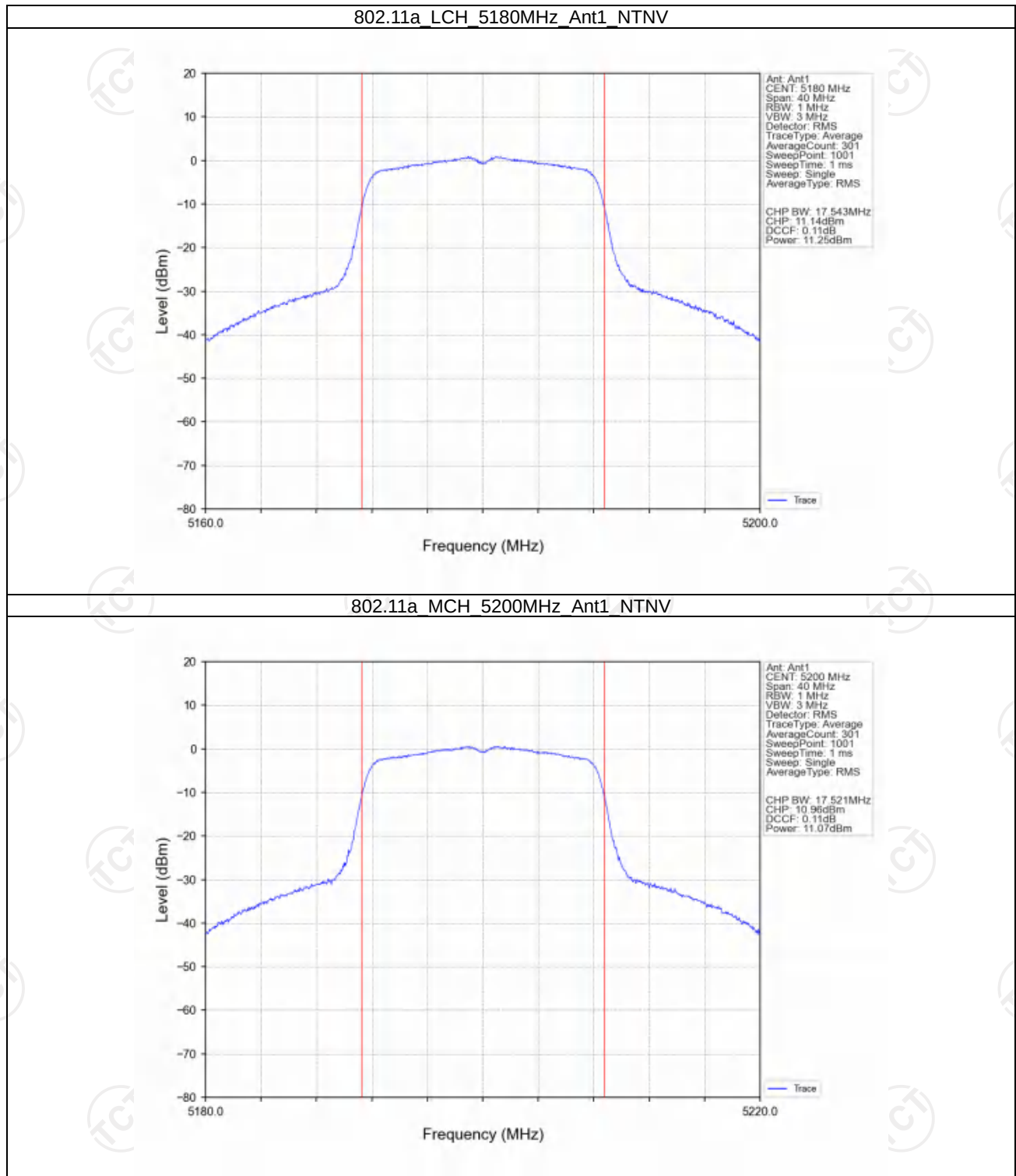
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	11.25	<=23.98	Pass
		5200	11.07	<=23.98	Pass
		5240	11.61	<=23.98	Pass
		5260	11.52	<=23.98	Pass
		5300	11.66	<=23.98	Pass
		5320	11.65	<=23.98	Pass
		5500	11.54	<=23.98	Pass
		5580	11.00	<=23.98	Pass
		5700	11.22	<=23.98	Pass
		5745	10.64	<=30	Pass
		5785	11.19	<=30	Pass
802.11n (HT20)	SISO	5825	10.87	<=30	Pass
		5180	10.44	<=23.98	Pass
		5200	10.40	<=23.98	Pass
		5240	10.82	<=23.98	Pass
		5260	10.80	<=23.98	Pass
		5300	11.03	<=23.98	Pass
		5320	11.23	<=23.98	Pass
		5500	11.14	<=23.98	Pass
		5580	11.13	<=23.98	Pass
		5700	11.27	<=23.98	Pass
		5745	9.79	<=30	Pass
802.11n (HT40)	SISO	5785	9.82	<=30	Pass
		5825	10.54	<=30	Pass
		5190	11.44	<=23.98	Pass
		5230	11.36	<=23.98	Pass
		5270	12.04	<=23.98	Pass
		5310	11.60	<=23.98	Pass
		5510	11.58	<=23.98	Pass
		5550	11.35	<=23.98	Pass
		5670	11.78	<=23.98	Pass
		5755	10.33	<=30	Pass
		5795	10.54	<=30	Pass
802.11ac (VHT20)	SISO	5180	10.42	<=23.98	Pass
		5200	10.62	<=23.98	Pass
		5240	11.08	<=23.98	Pass
		5260	11.02	<=23.98	Pass
		5300	11.13	<=23.98	Pass
		5320	11.13	<=23.98	Pass
		5500	11.02	<=23.98	Pass
		5580	11.10	<=23.98	Pass
		5700	11.37	<=23.98	Pass
		5745	9.65	<=30	Pass
		5785	9.62	<=30	Pass
802.11ac (VHT40)	SISO	5825	9.97	<=30	Pass
		5190	11.07	<=23.98	Pass
		5230	11.30	<=23.98	Pass
		5270	11.47	<=23.98	Pass
		5310	11.67	<=23.98	Pass
		5510	11.67	<=23.98	Pass
		5550	11.39	<=23.98	Pass
		5670	11.83	<=23.98	Pass

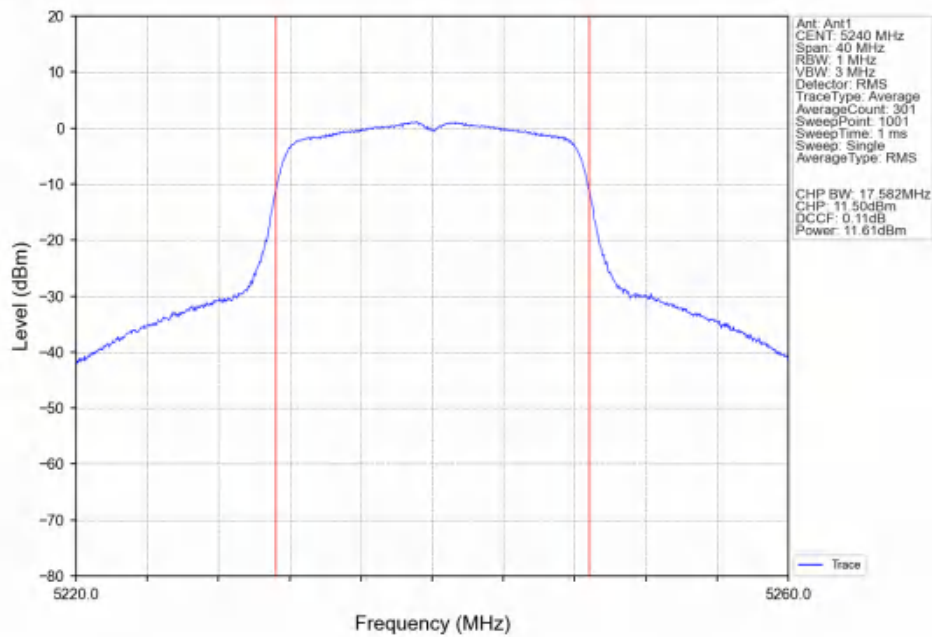
		5755	10.39	<=30	Pass
		5795	10.42	<=30	Pass
Note1: Antenna Gain: Ant1: -0.49dBi;					

3.2 Test Graph

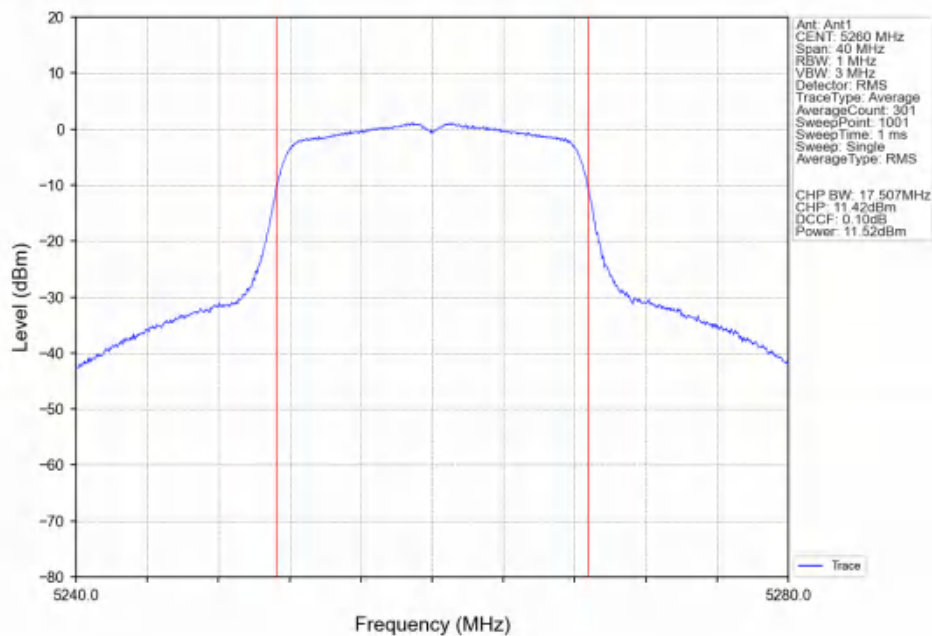
3.2.1 Power



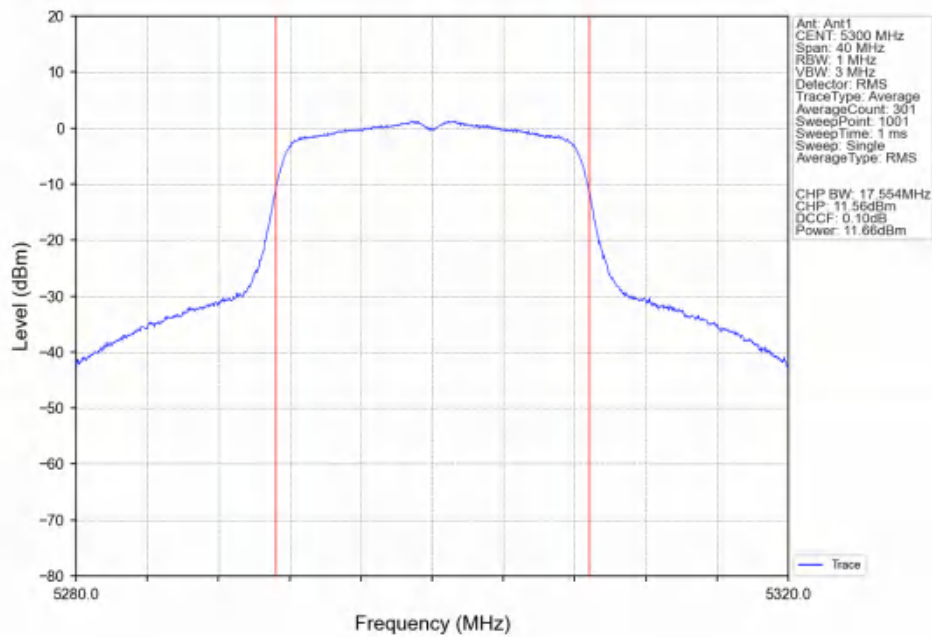
802.11a_HCH_5240MHz_Ant1_NTNV



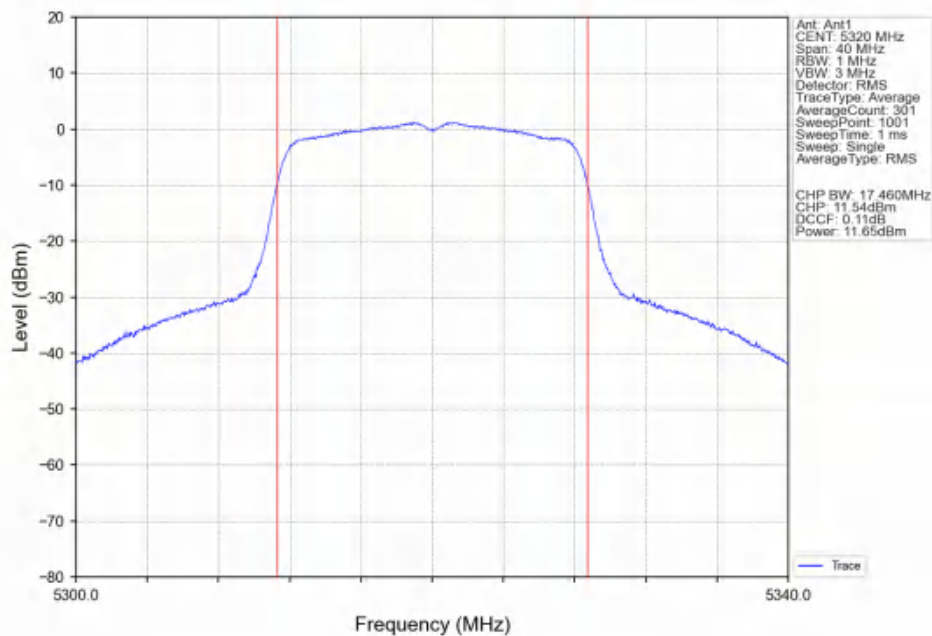
802.11a_LCH_5260MHz_Ant1_NTNV



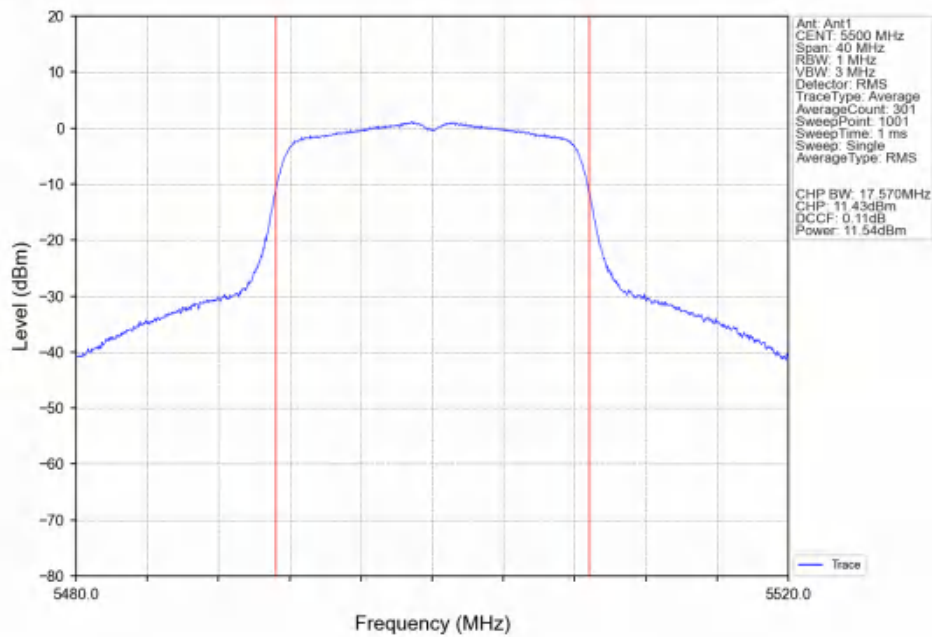
802.11a_MCH_5300MHz_Ant1_NTNV



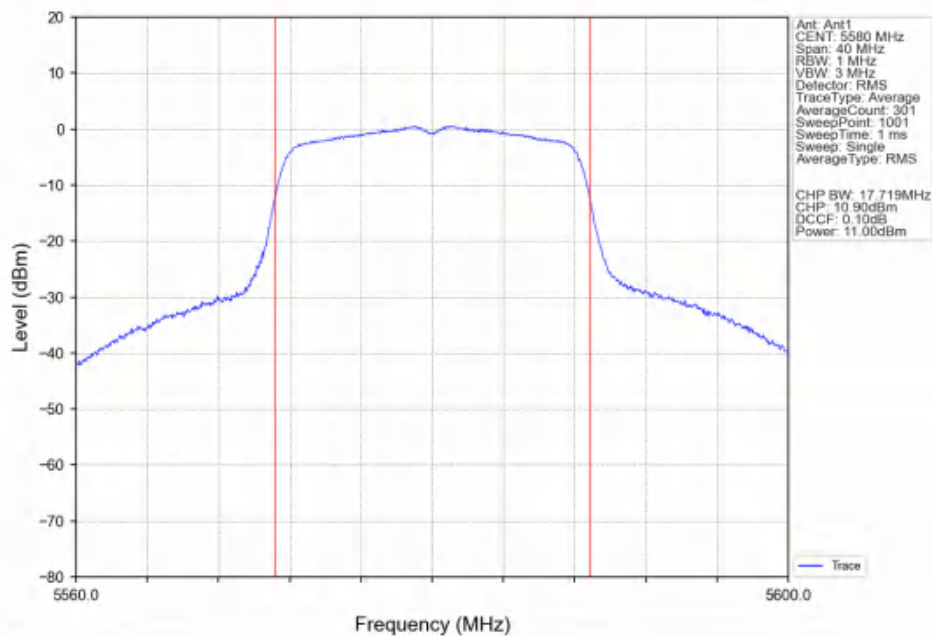
802.11a_HCH_5320MHz_Ant1_NTNV



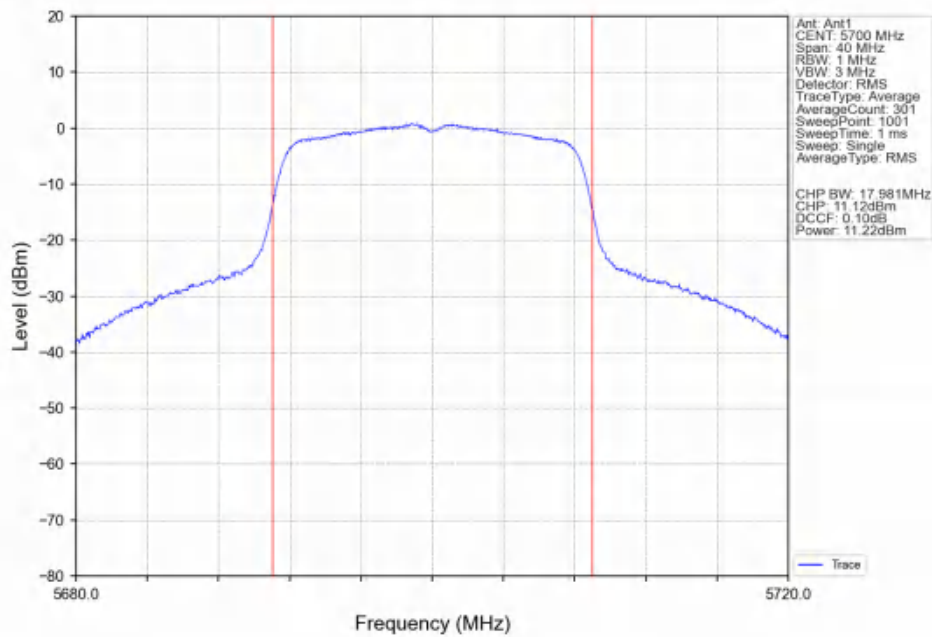
802.11a_LCH_5500MHz_Ant1_NTNV



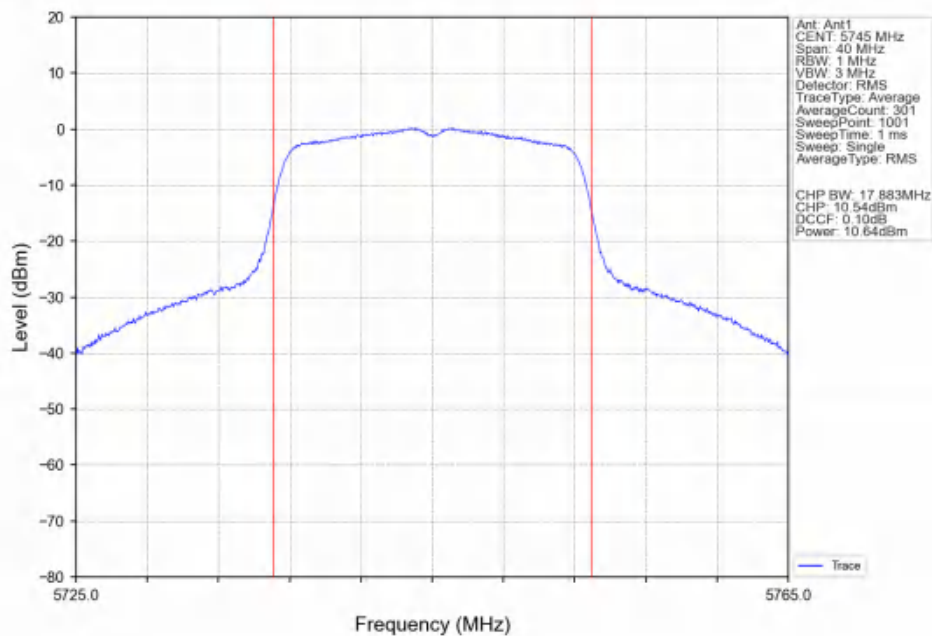
802.11a_MCH_5580MHz_Ant1_NTNV



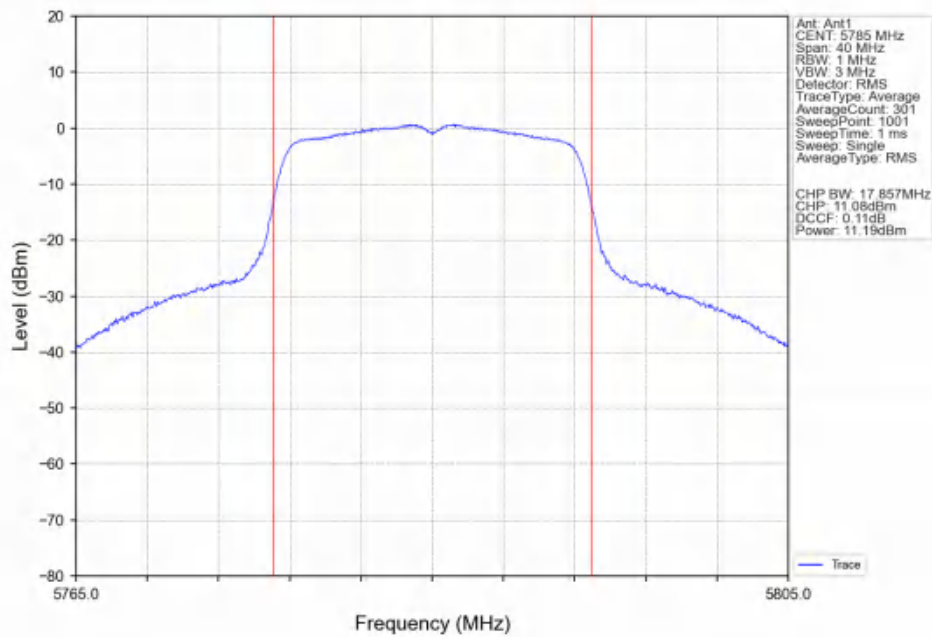
802.11a_HCH_5700MHz_Ant1_NTNV



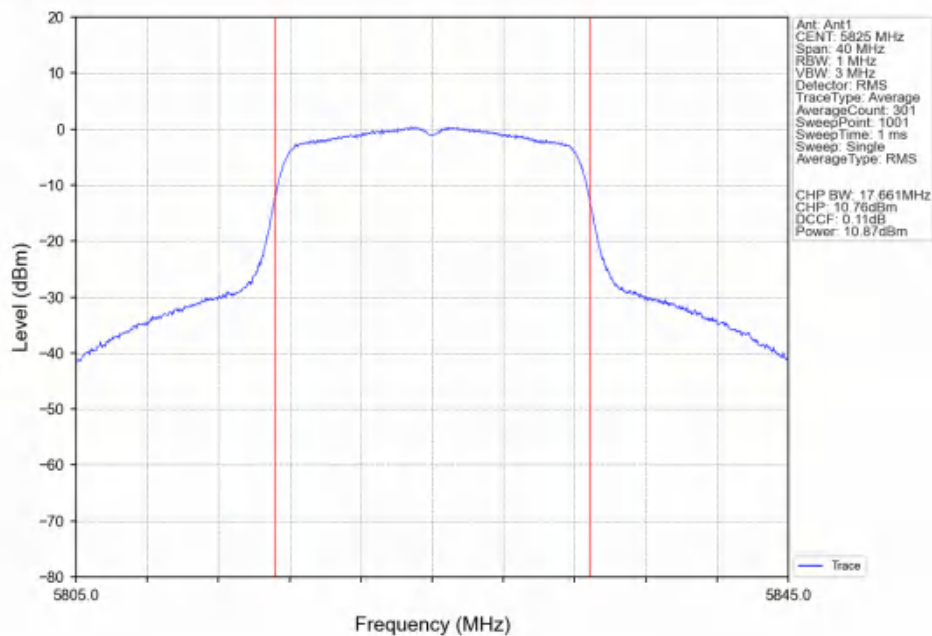
802.11a_LCH_5745MHz_Ant1_NTNV



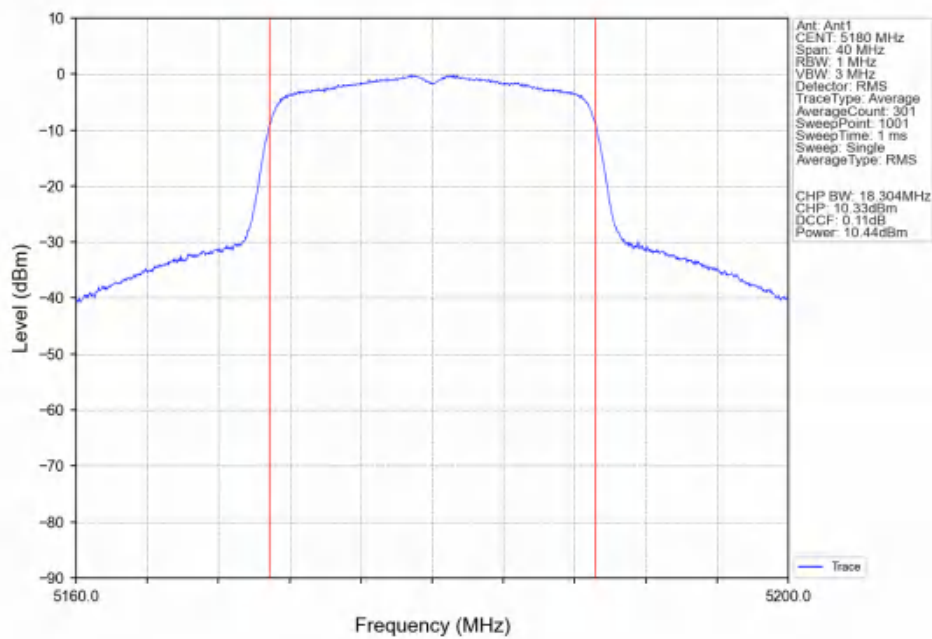
802.11a_MCH_5785MHz_Ant1_NTNV



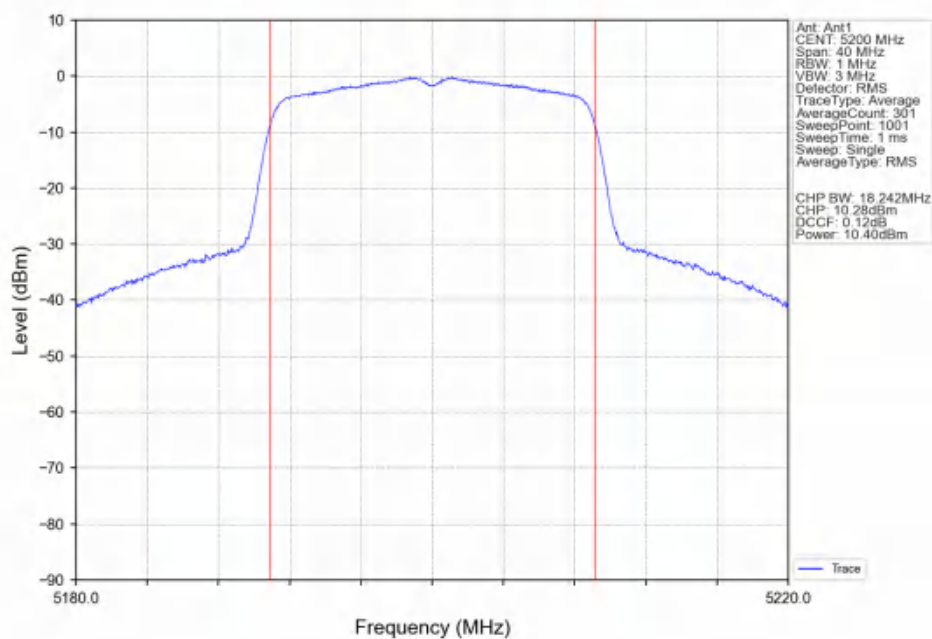
802.11a_HCH_5825MHz_Ant1_NTNV



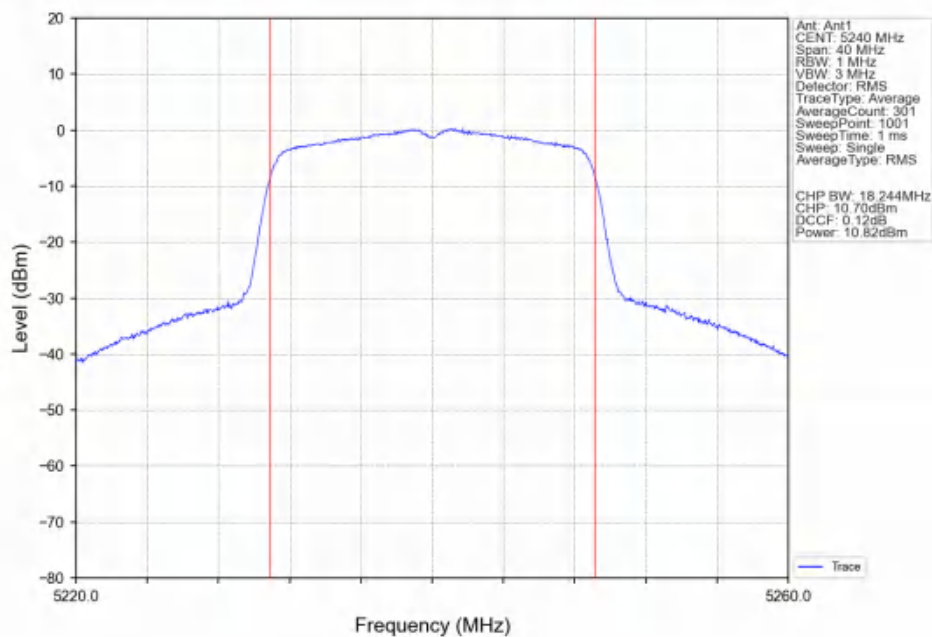
802.11n(HT20) LCH 5180MHz_Ant1_NTNV



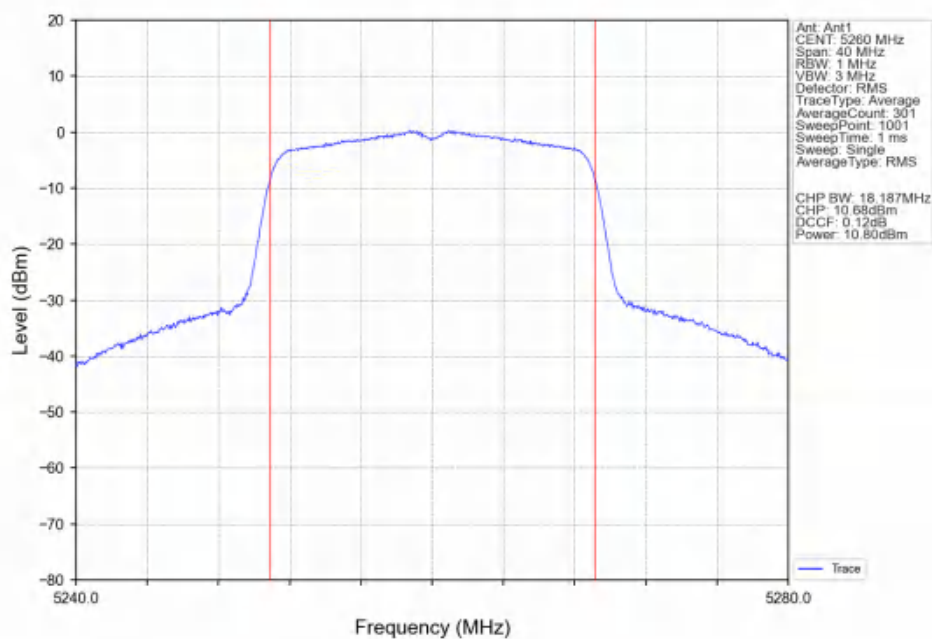
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



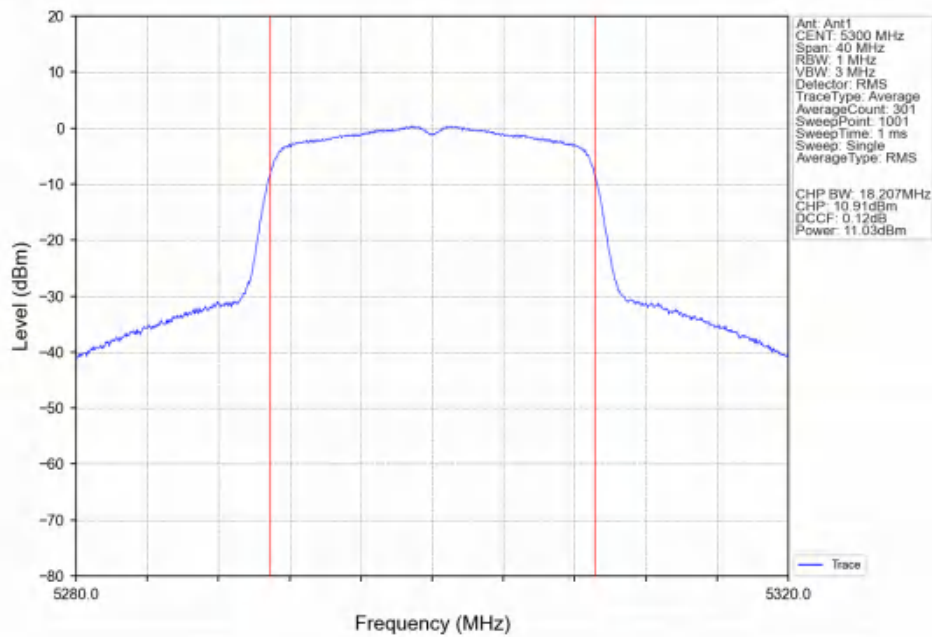
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



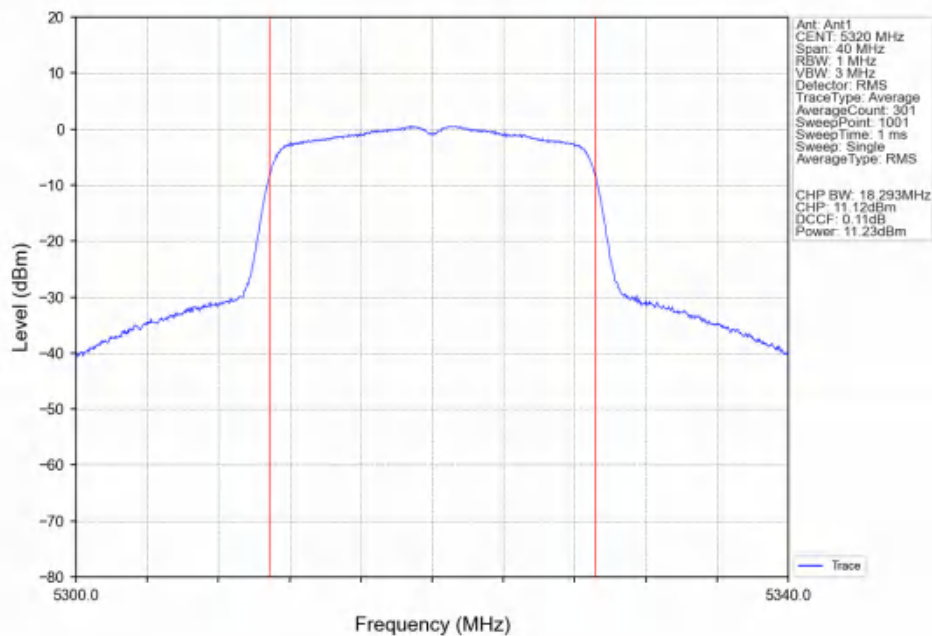
802.11n(HT20) LCH 5260MHz_Ant1_NTNV



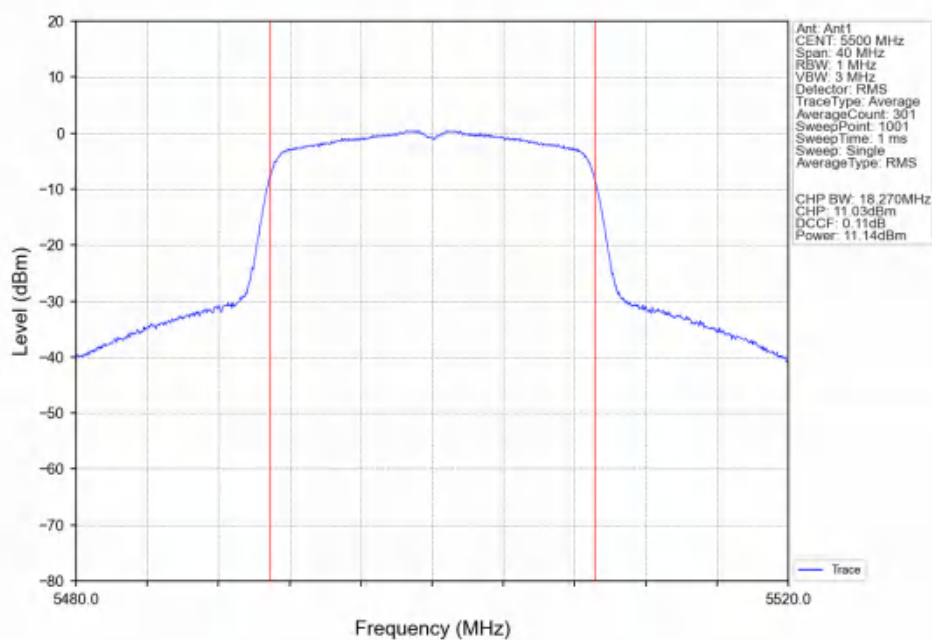
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



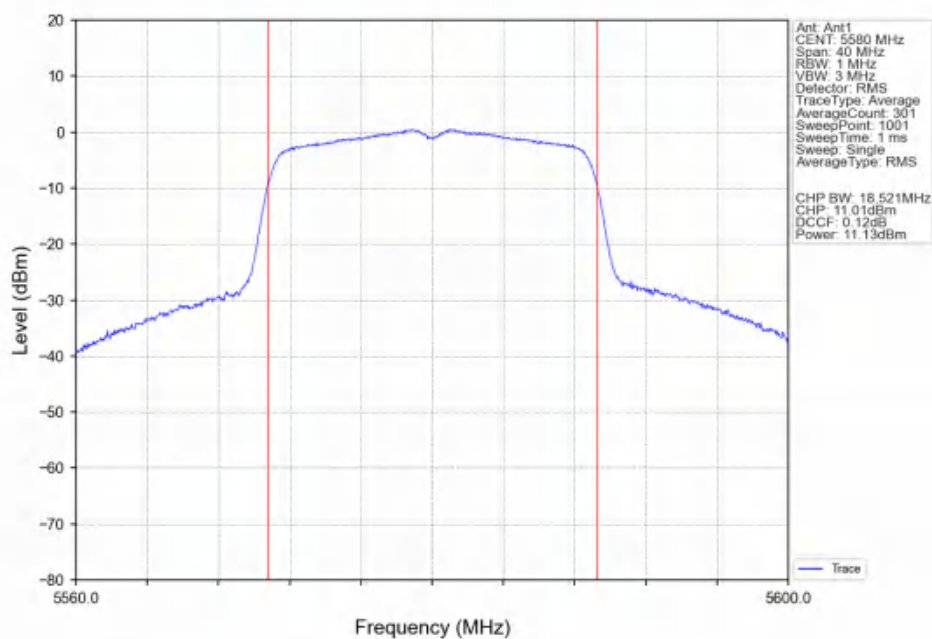
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



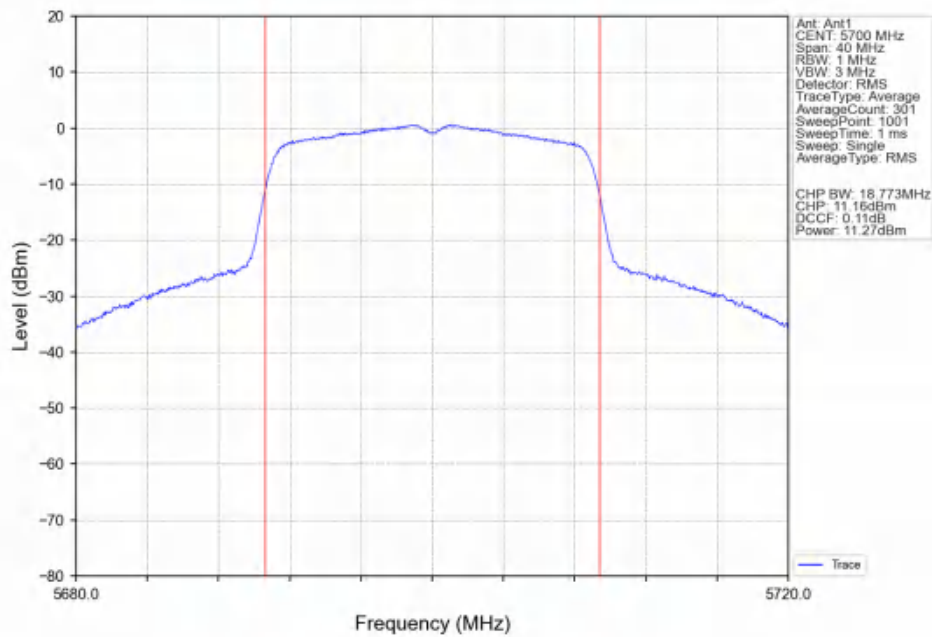
802.11n(HT20) LCH 5500MHz_Ant1_NTNV



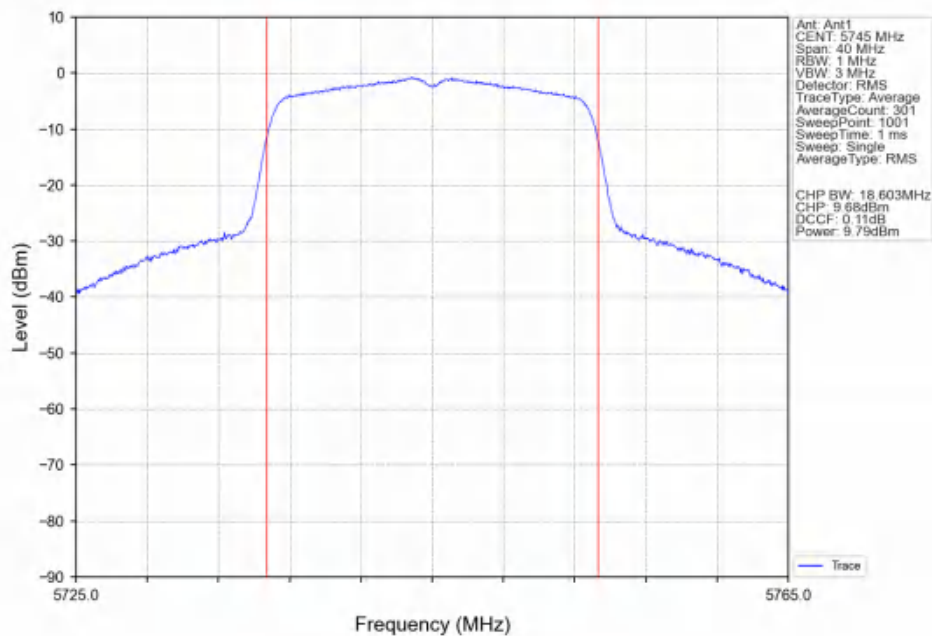
802.11n(HT20) MCH 5580MHz_Ant1_NTNV



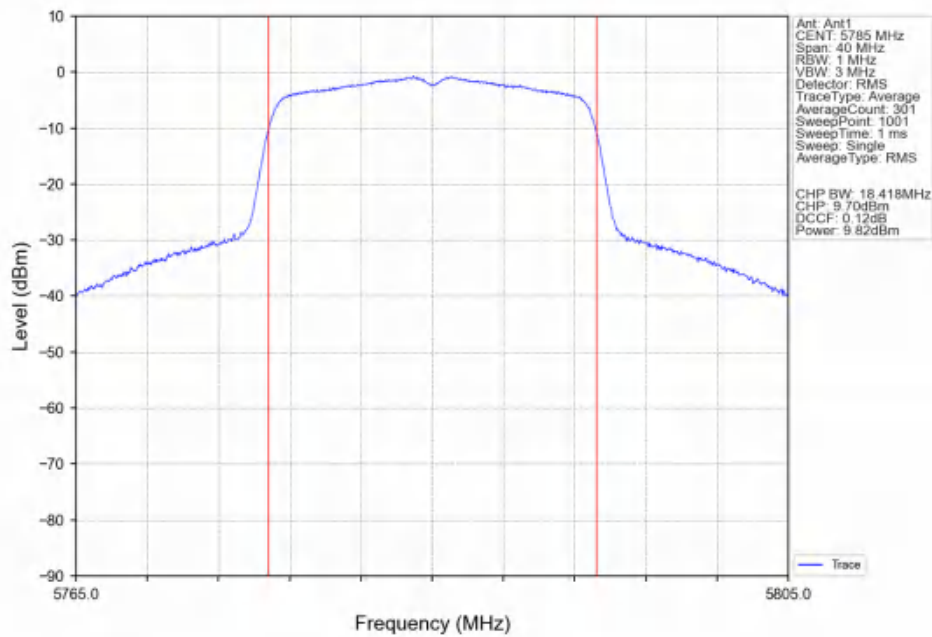
802.11n(HT20) HCH 5700MHz Ant1 NTN



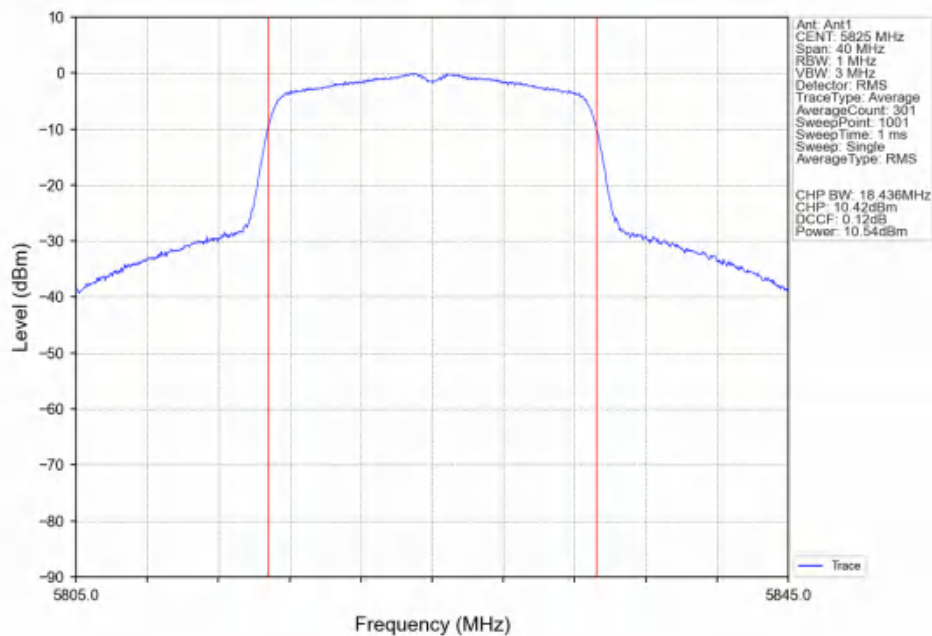
802.11n(HT20) LCH 5745MHz Ant1 NTN



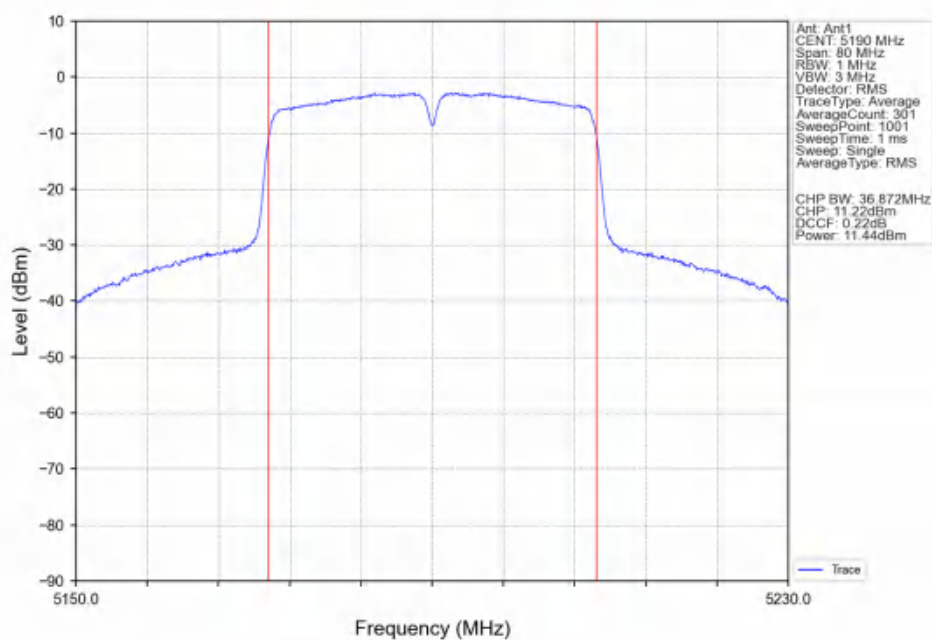
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



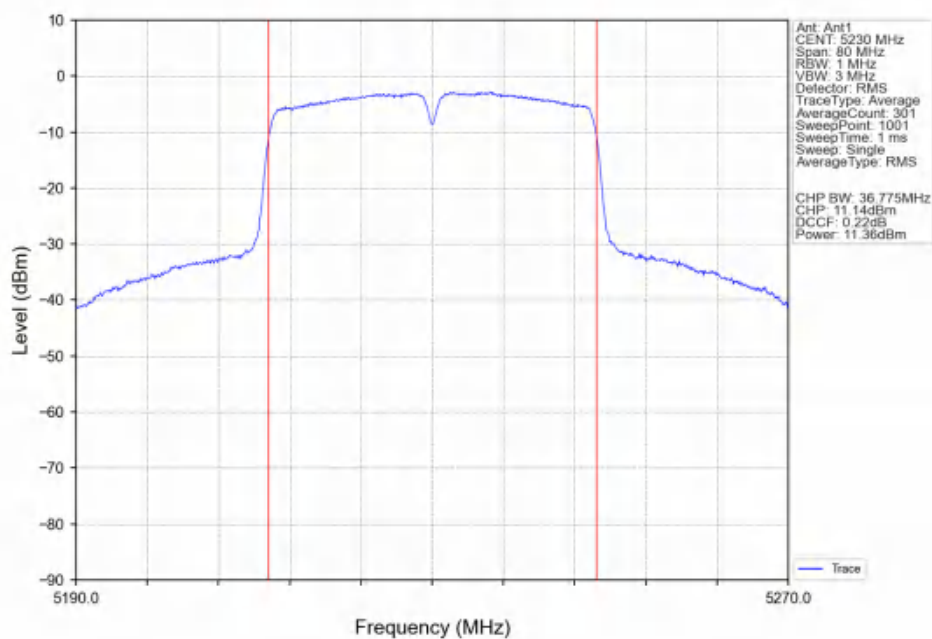
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



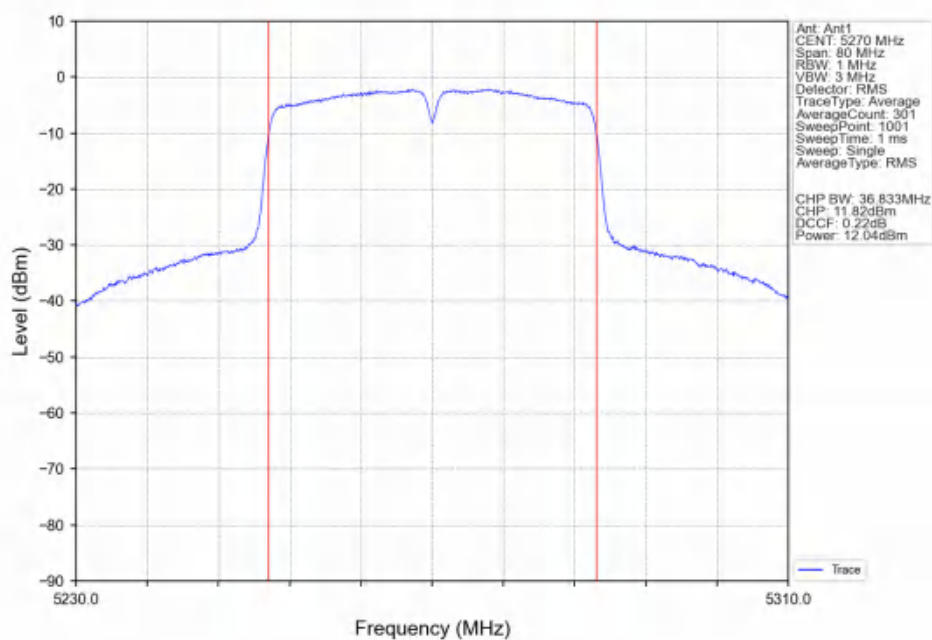
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



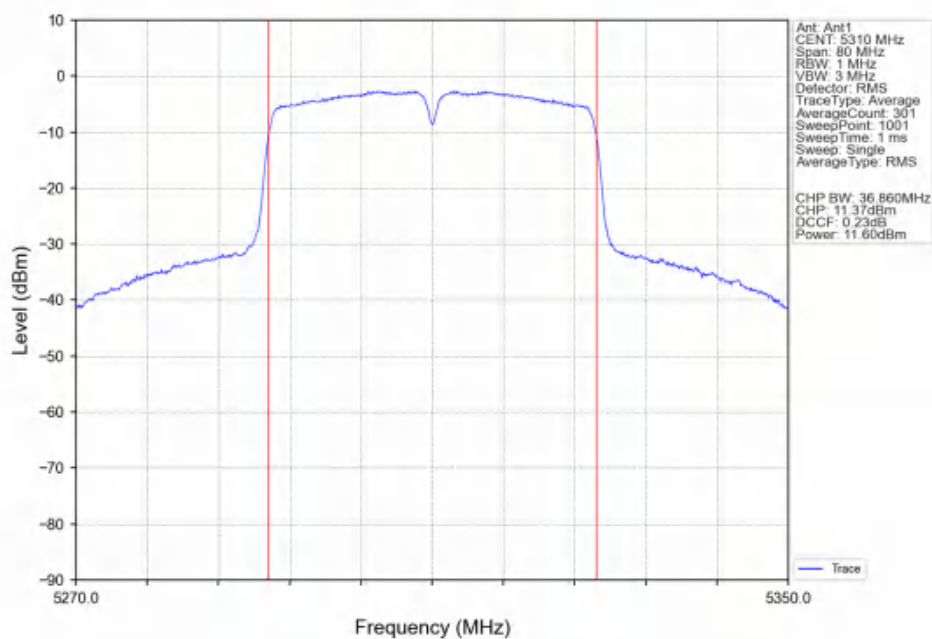
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



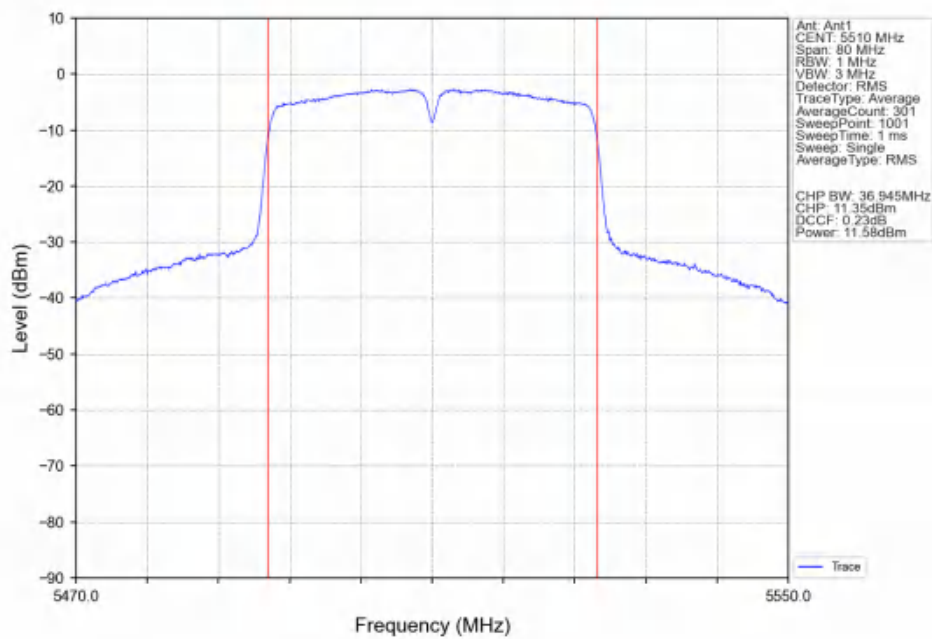
802.11n(HT40) LCH 5270MHz_Ant1_NTNV



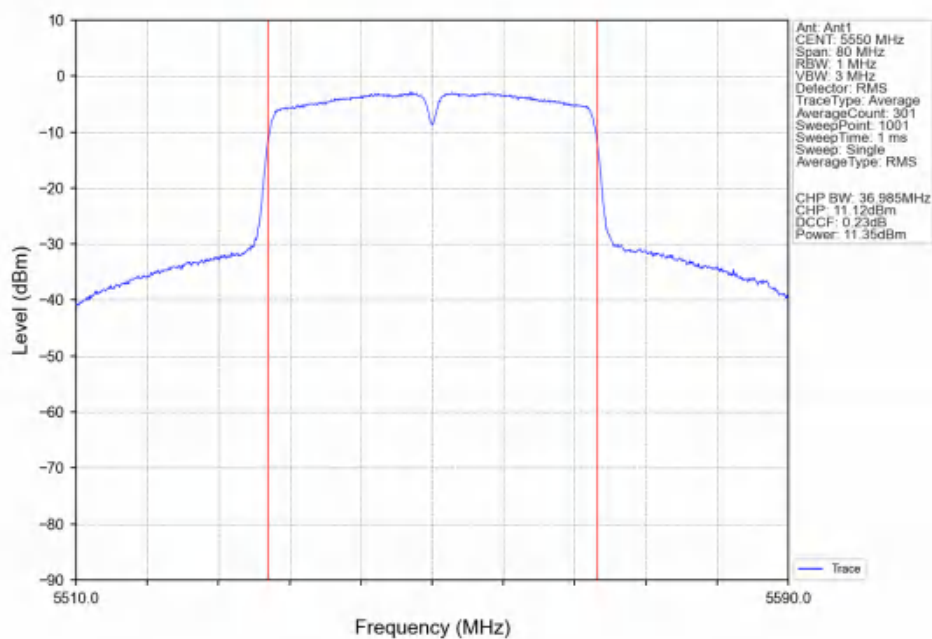
802.11n(HT40) HCH 5310MHz_Ant1_NTNV



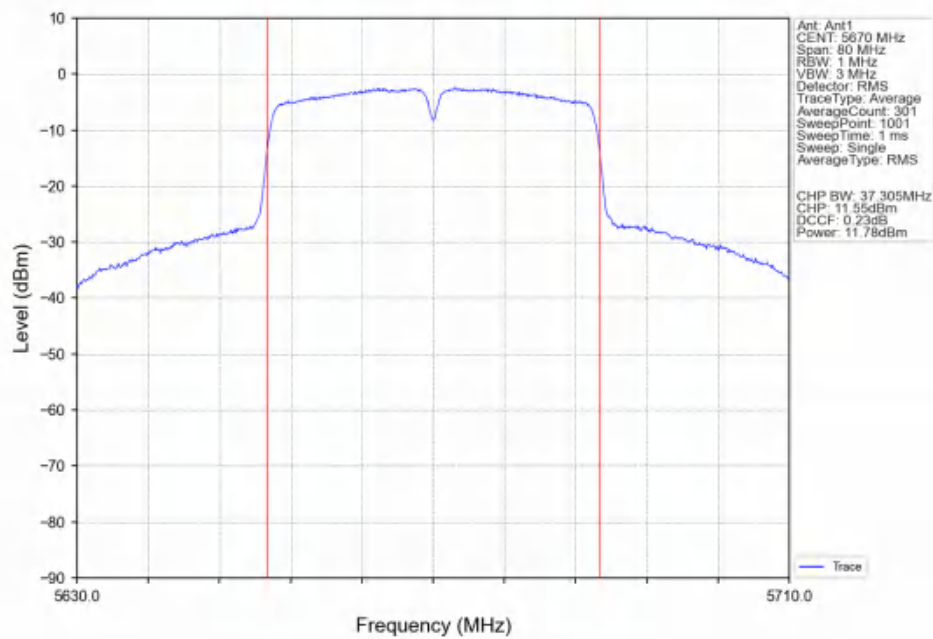
802.11n(HT40) LCH 5510MHz_Ant1_NTNV



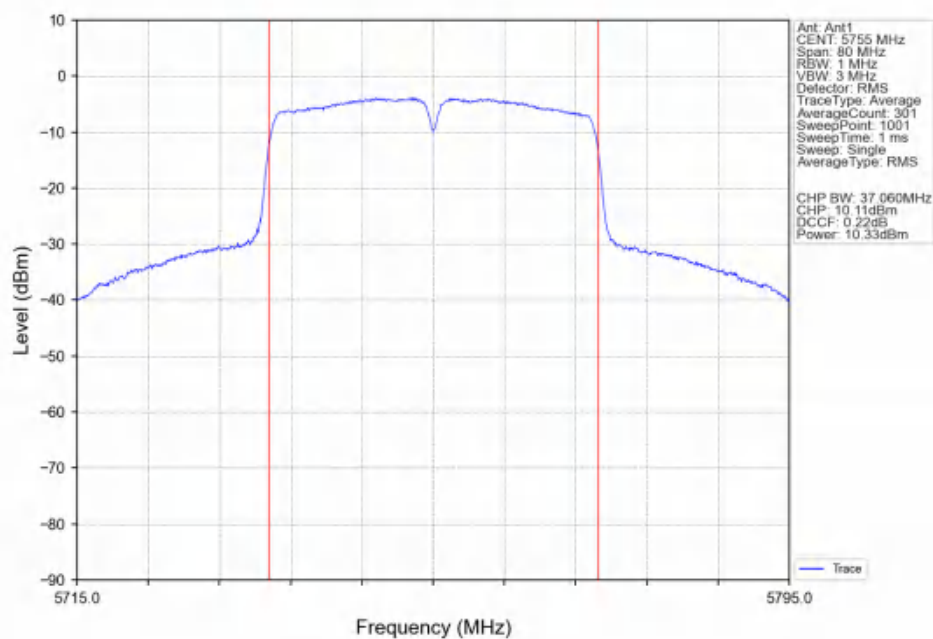
802.11n(HT40) MCH 5550MHz_Ant1_NTNV



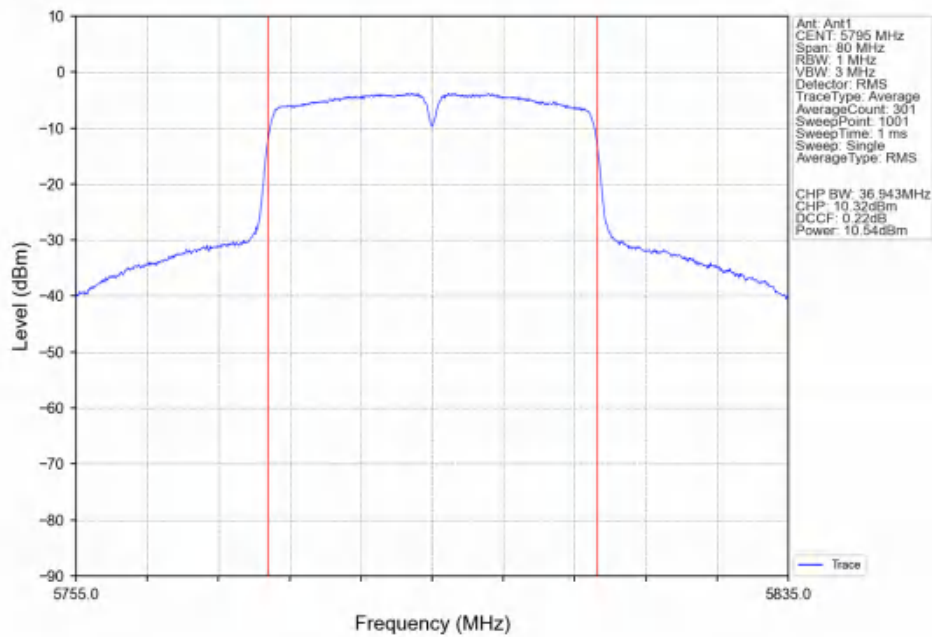
802.11n(HT40) HCH 5670MHz Ant1 NTN



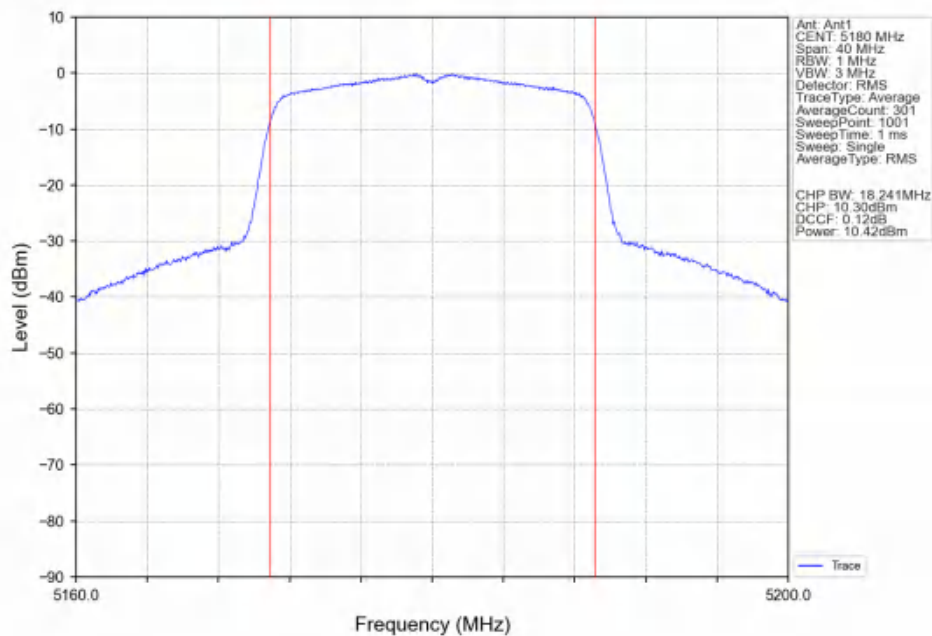
802.11n(HT40) LCH 5755MHz Ant1 NTN



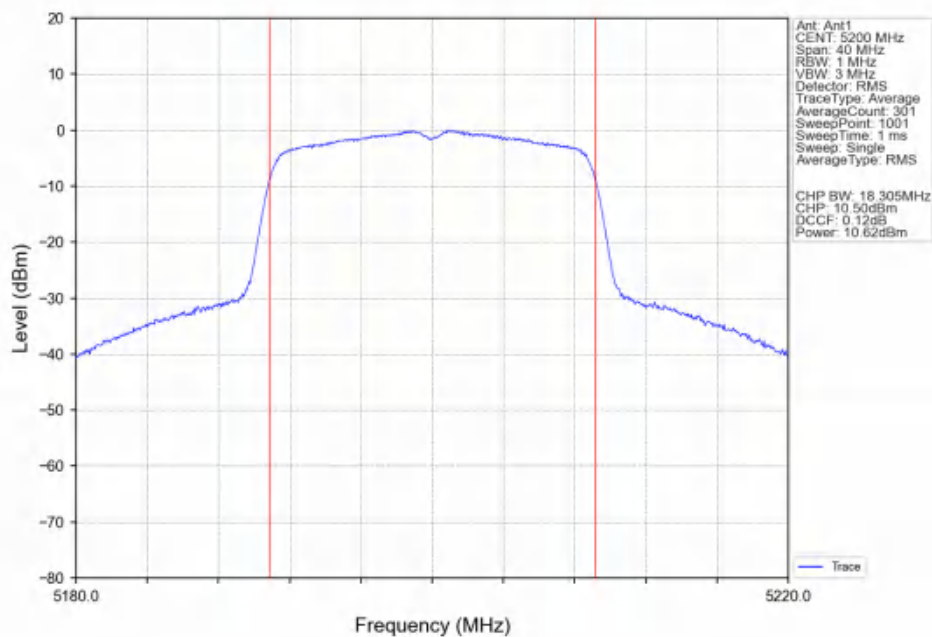
802.11n(HT40) HCH 5795MHz Ant1 NTV



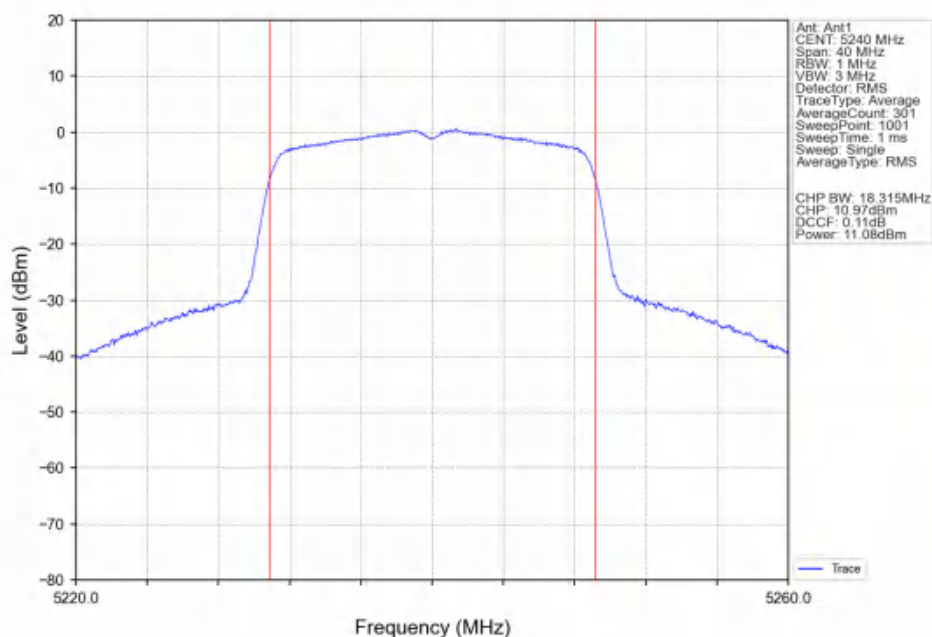
802.11ac(VHT20) LCH 5180MHz Ant1 NTV



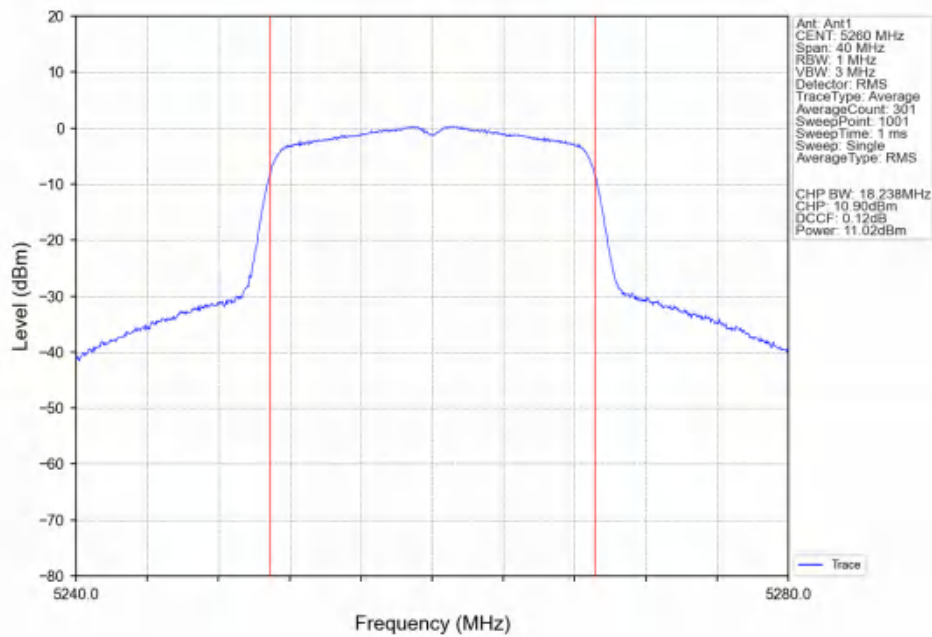
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



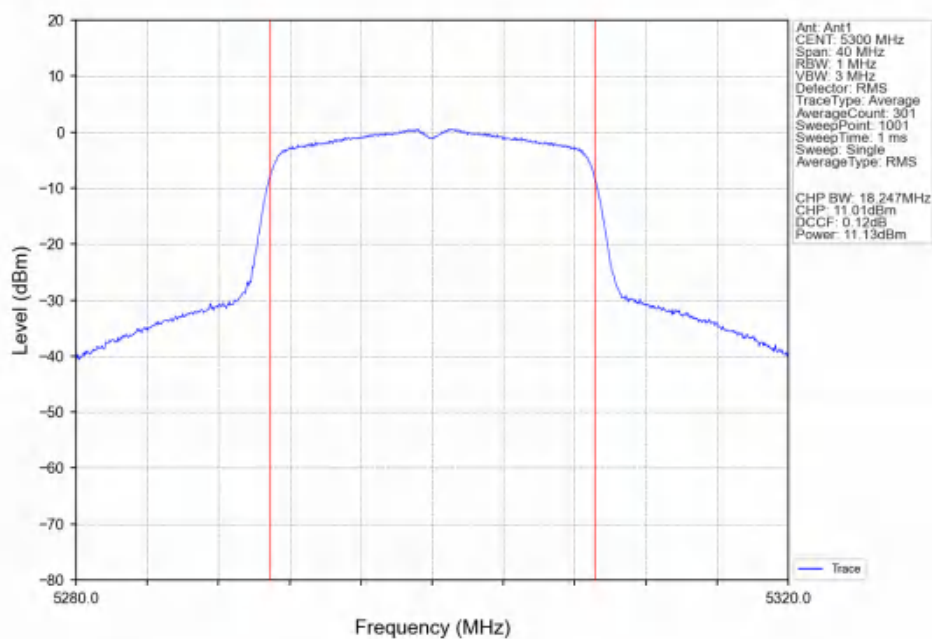
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



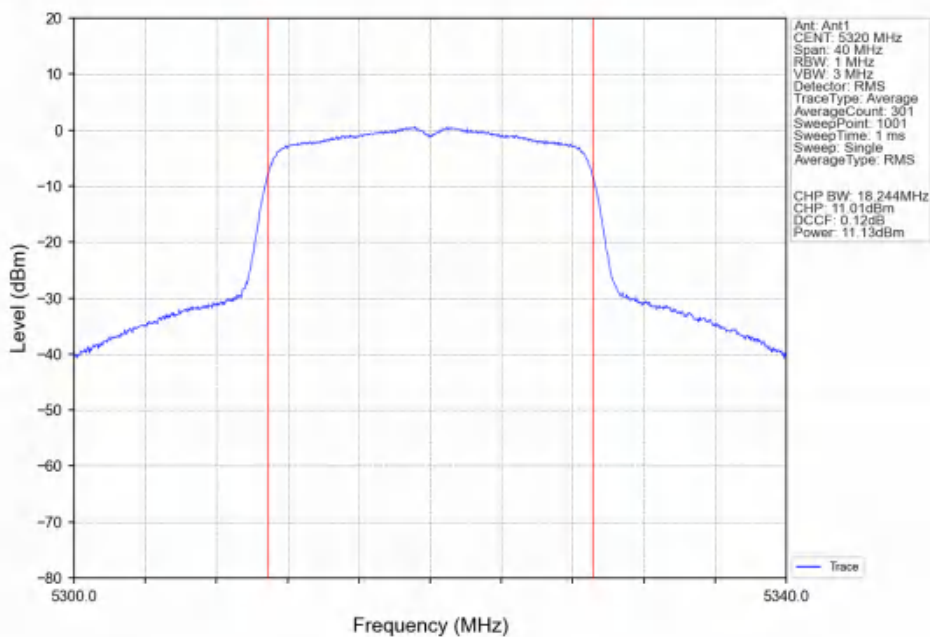
802.11ac(VHT20) LCH 5260MHz Ant1 NTN



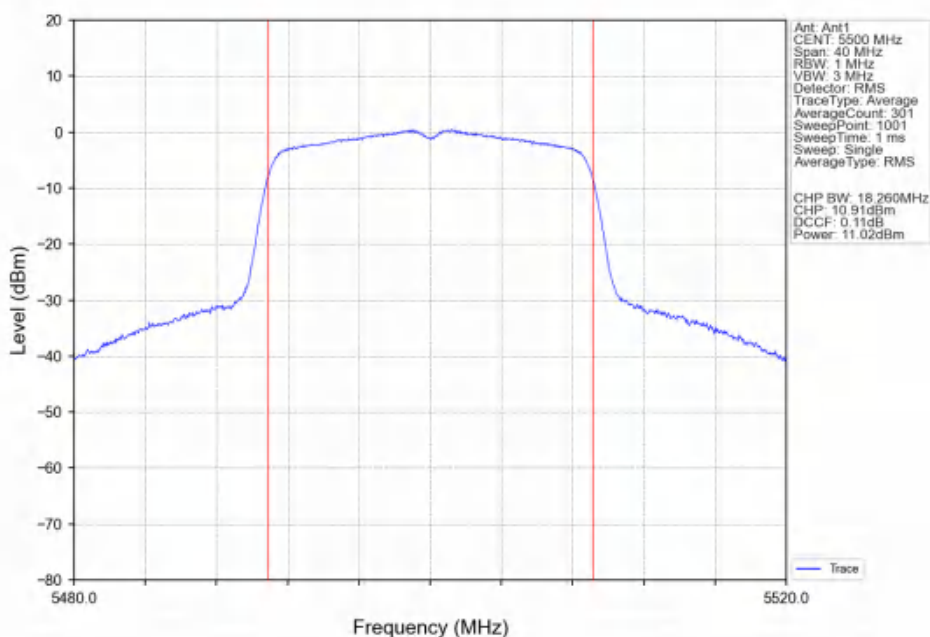
802.11ac(VHT20) MCH 5300MHz Ant1 NTN



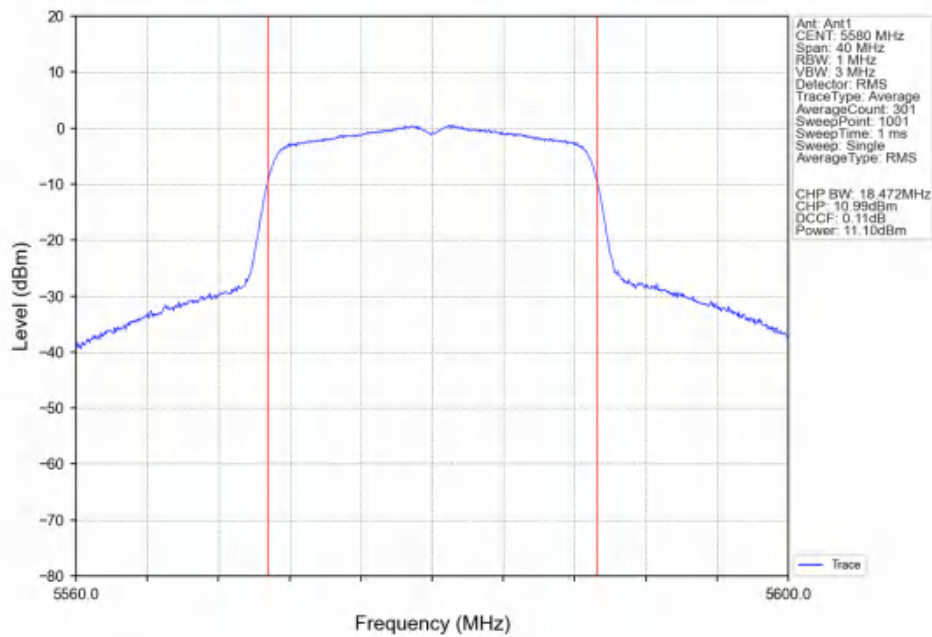
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



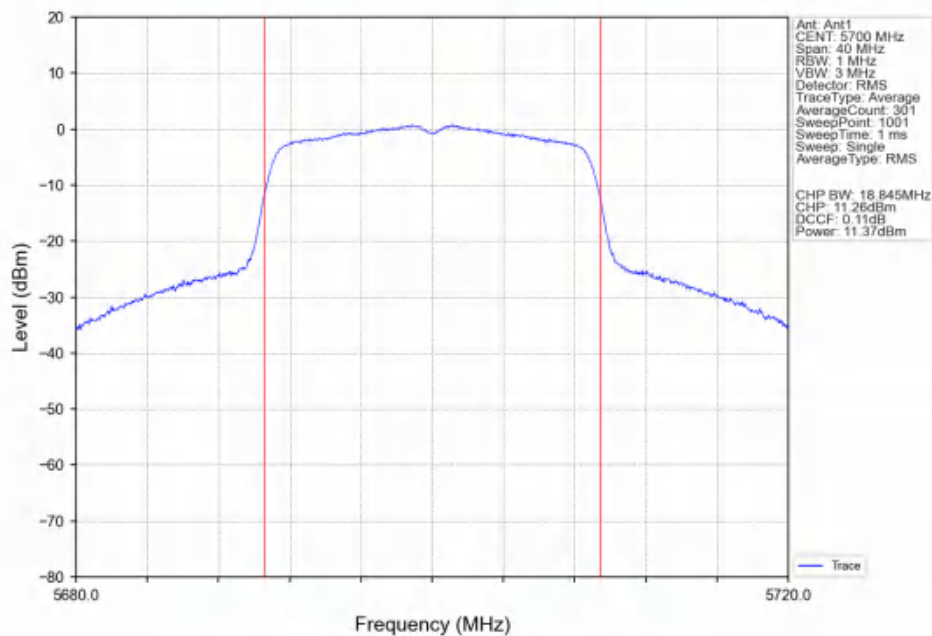
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



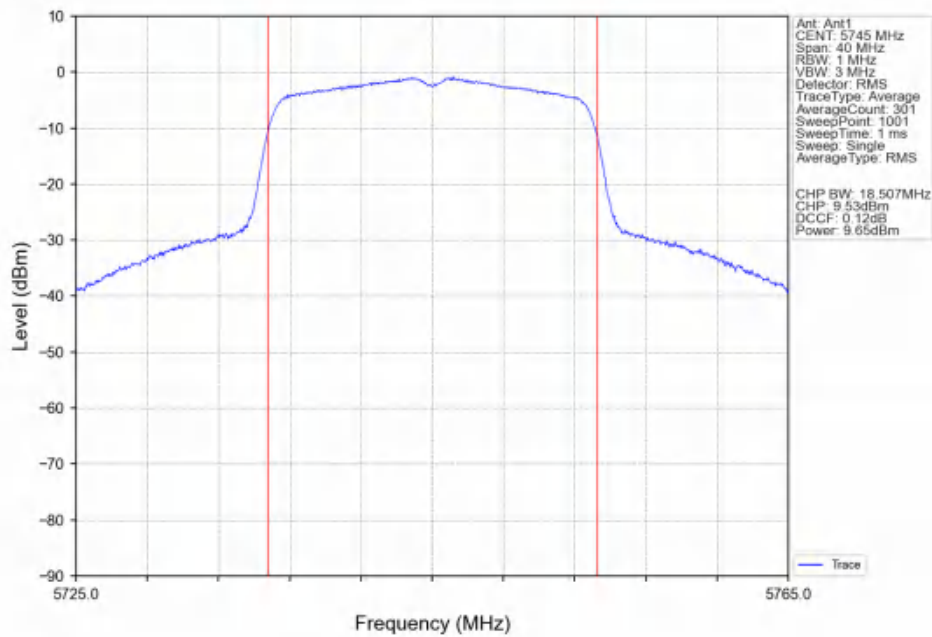
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



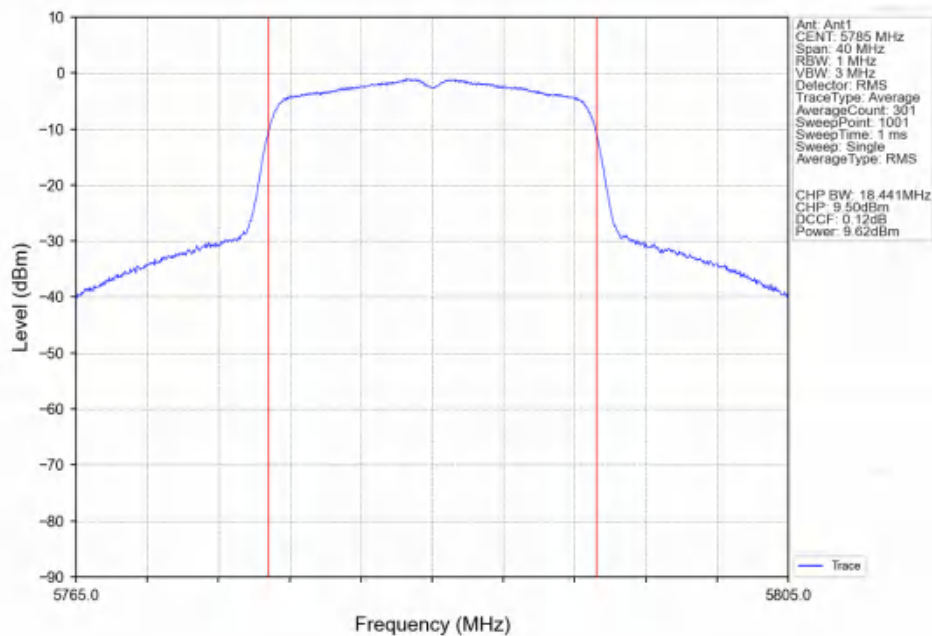
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



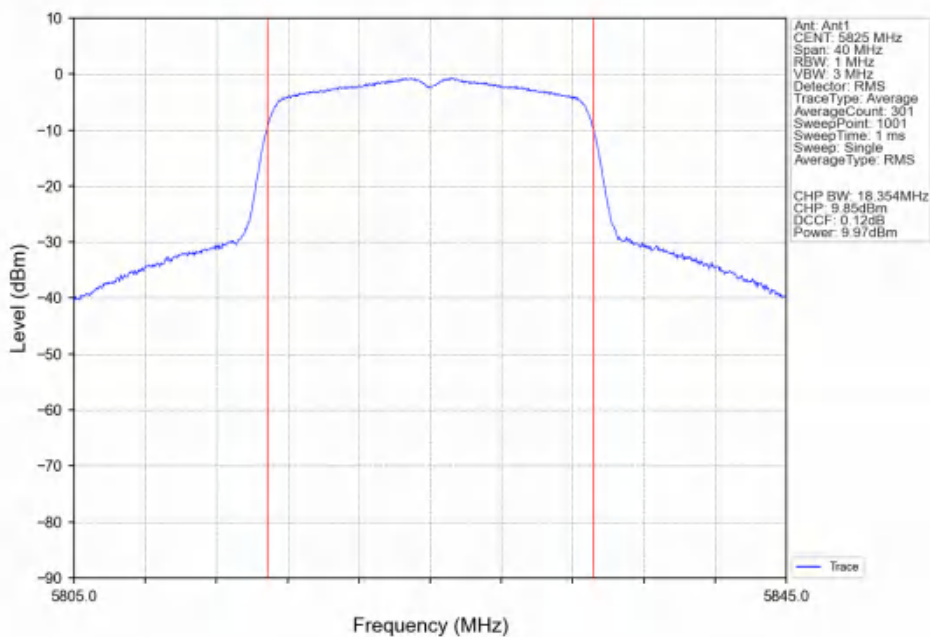
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



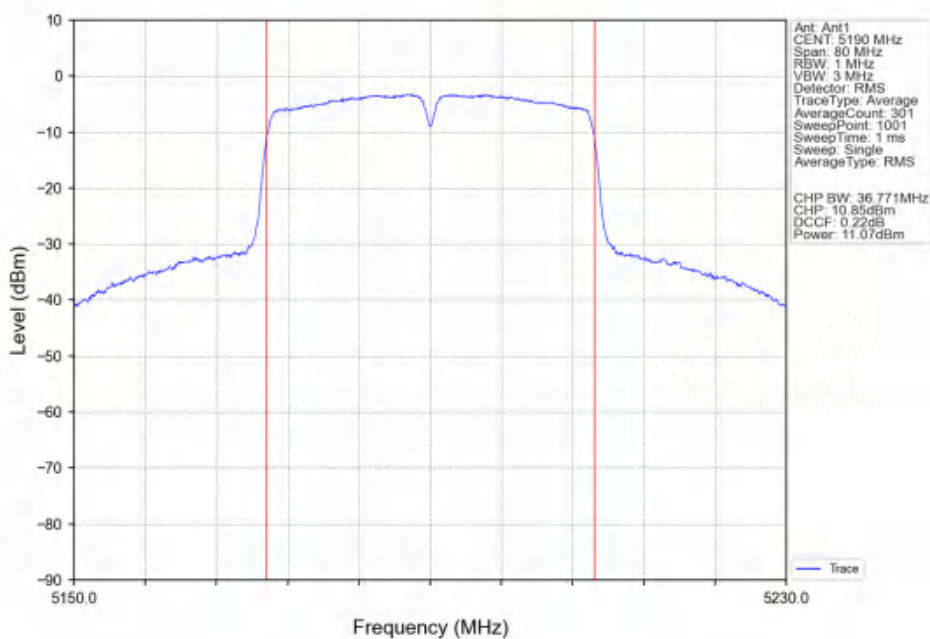
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



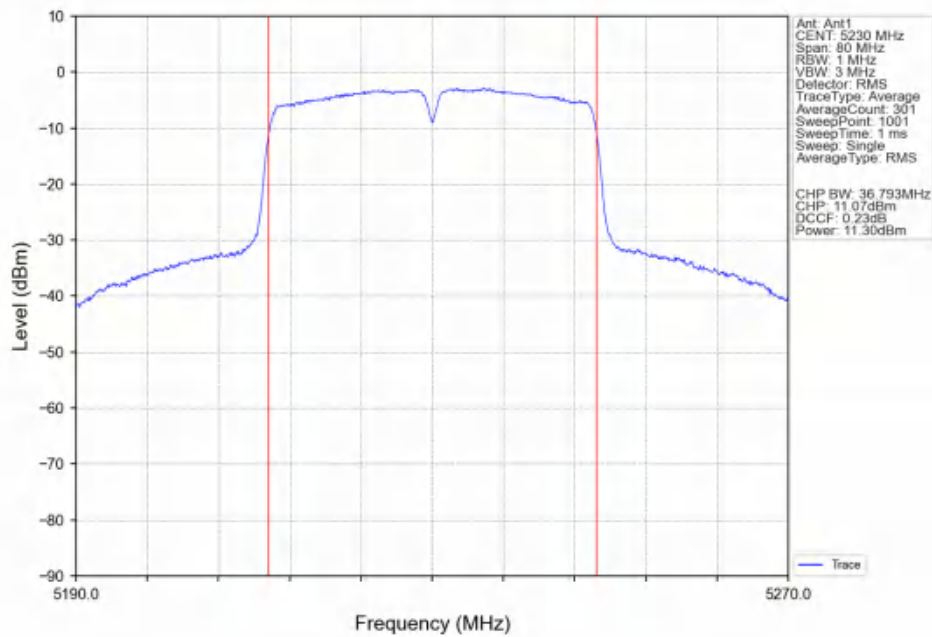
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



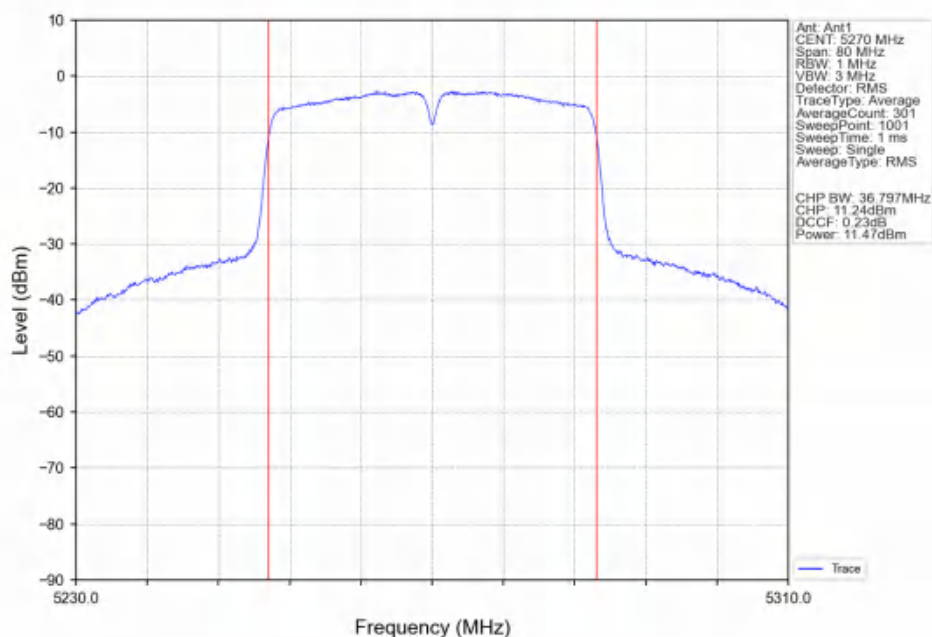
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



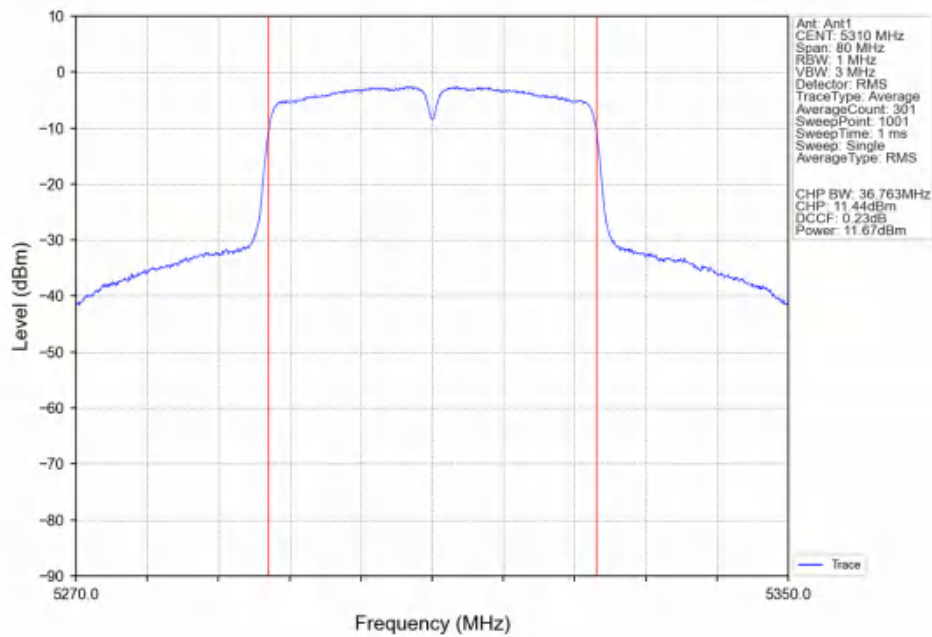
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



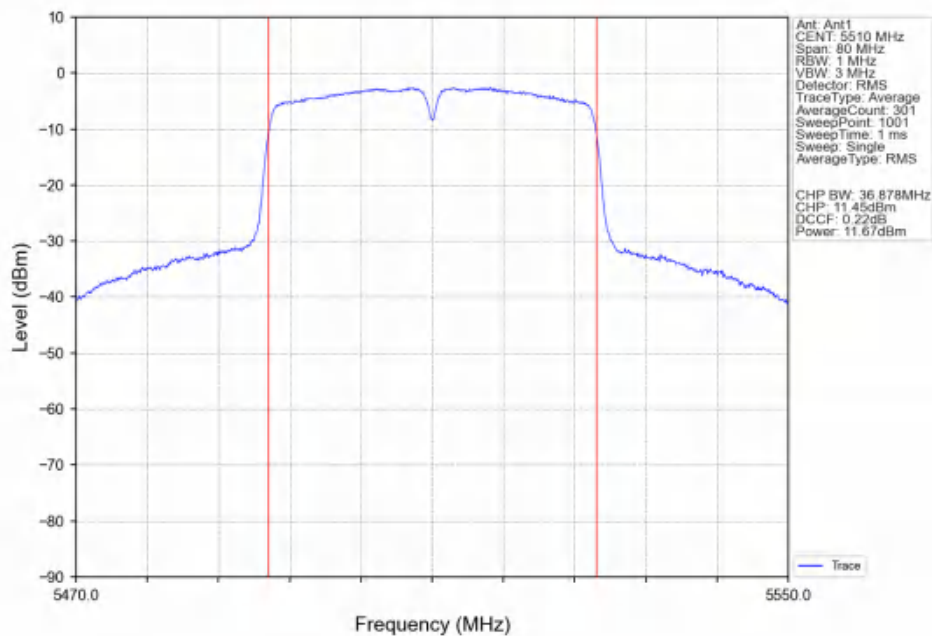
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



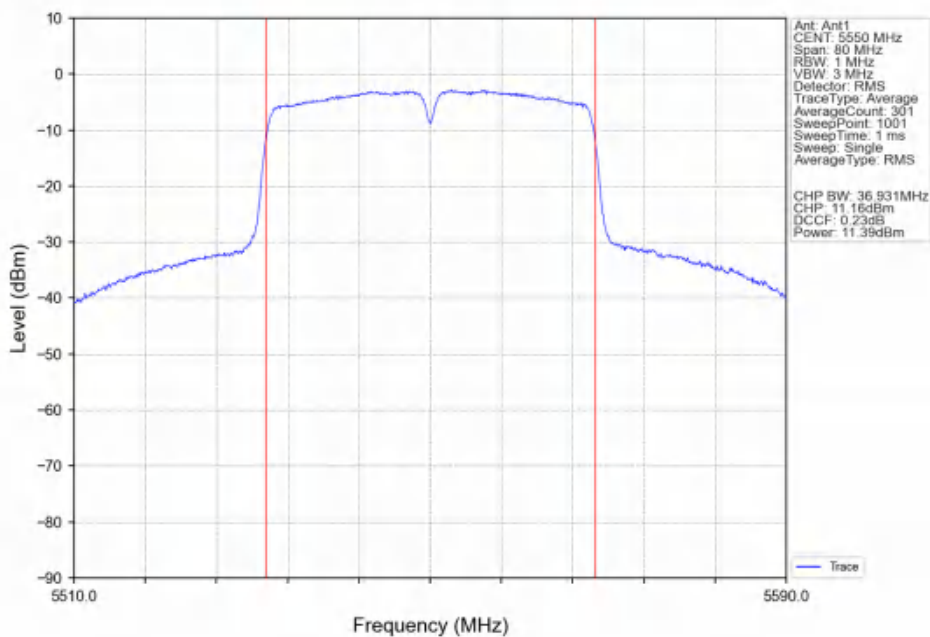
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



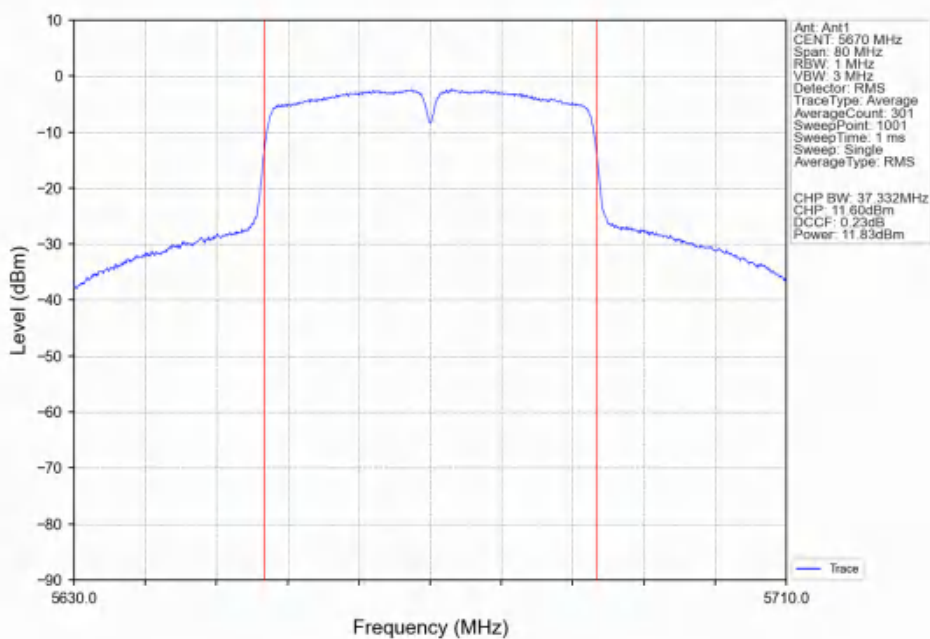
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



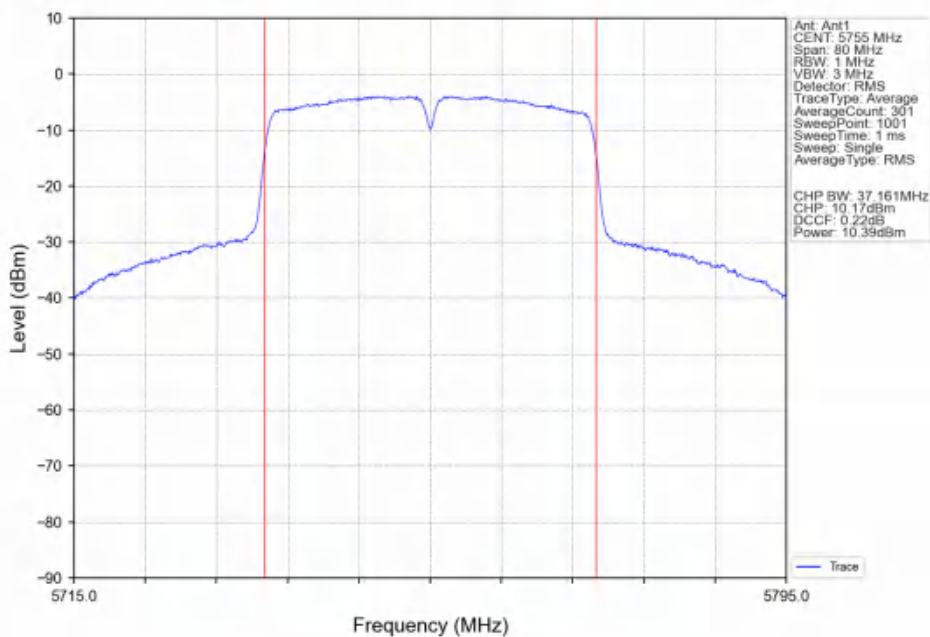
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



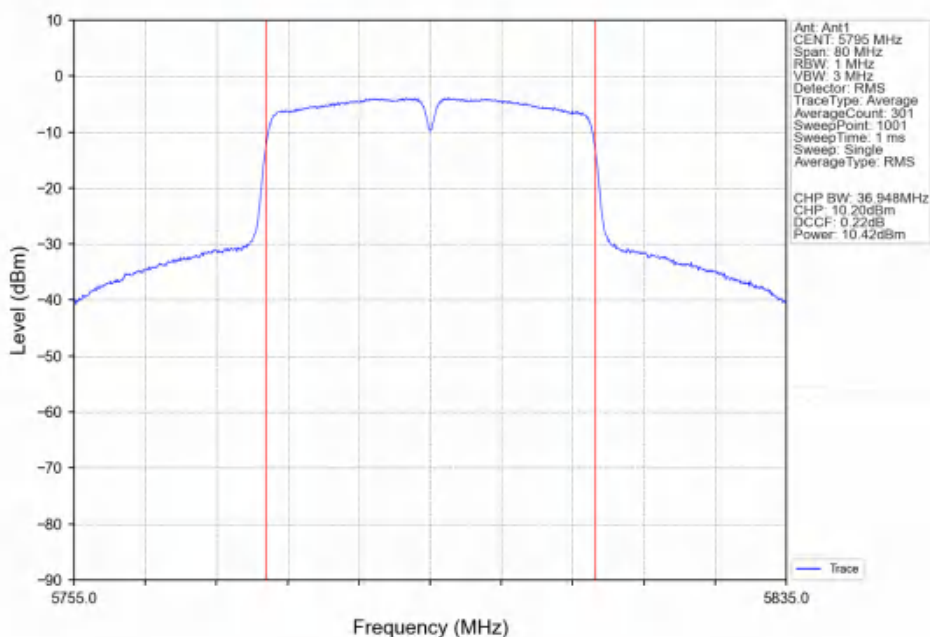
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	1.04	<=11	Pass
		5200	0.80	<=11	Pass
		5240	1.37	<=11	Pass
		5260	1.18	<=11	Pass
		5300	1.53	<=11	Pass
		5320	1.51	<=11	Pass
		5500	1.39	<=11	Pass
		5580	0.64	<=11	Pass
802.11n (HT20)	SISO	5700	1.03	<=11	Pass
		5180	0.30	<=11	Pass
		5200	-0.02	<=11	Pass
		5240	0.42	<=11	Pass
		5260	0.42	<=11	Pass
		5300	0.55	<=11	Pass
		5320	0.86	<=11	Pass
		5500	0.81	<=11	Pass
802.11n (HT40)	SISO	5580	0.75	<=11	Pass
		5700	0.88	<=11	Pass
		5190	-2.47	<=11	Pass
		5230	-2.54	<=11	Pass
		5270	-1.78	<=11	Pass
		5310	-2.33	<=11	Pass
		5510	-2.42	<=11	Pass
		5550	-2.45	<=11	Pass
802.11ac (VHT20)	SISO	5670	-2.23	<=11	Pass
		5180	0.04	<=11	Pass
		5200	0.13	<=11	Pass
		5240	0.71	<=11	Pass
		5260	0.52	<=11	Pass
		5300	0.66	<=11	Pass
		5320	0.60	<=11	Pass
		5500	0.58	<=11	Pass
802.11ac (VHT40)	SISO	5580	0.67	<=11	Pass
		5700	0.99	<=11	Pass
		5190	-2.95	<=11	Pass
		5230	-2.74	<=11	Pass
		5270	-2.49	<=11	Pass
		5310	-2.39	<=11	Pass
		5510	-2.34	<=11	Pass
		5550	-2.60	<=11	Pass
		5670	-2.19	<=11	Pass

Note1: Antenna Gain: Ant1: -0.49dBi;

4.1.2 PSD-Band3

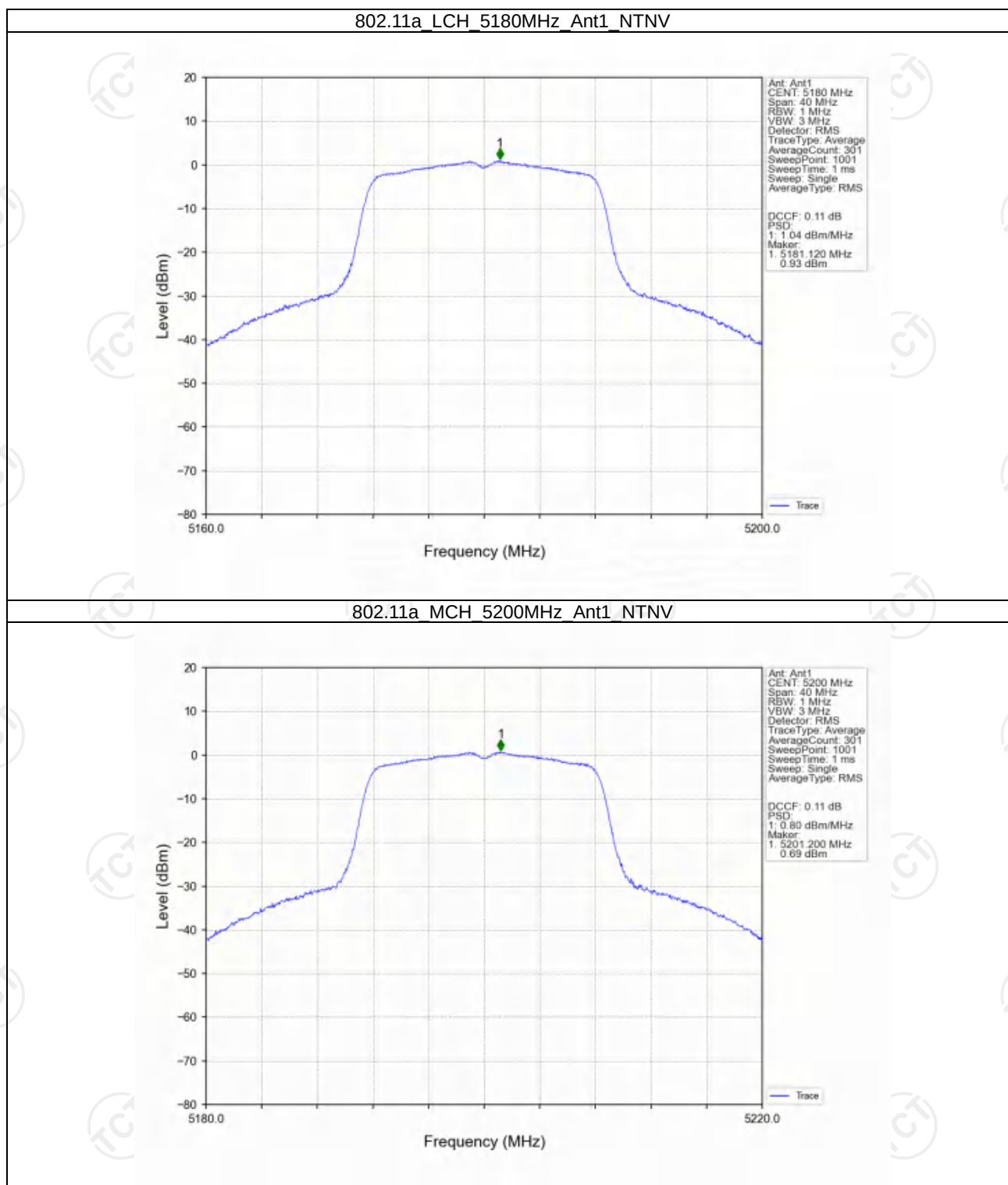
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-2.48	<=30	Pass
		5785	-1.96	<=30	Pass
		5825	-2.42	<=30	Pass
802.11n	SISO	5745	-3.45	<=30	Pass

(HT20)		5785	-3.32	<=30	Pass
		5825	-2.83	<=30	Pass
802.11n (HT40)	SISO	5755	-6.62	<=30	Pass
		5795	-6.51	<=30	Pass
802.11ac (VHT20)	SISO	5745	-3.55	<=30	Pass
		5785	-3.56	<=30	Pass
		5825	-3.25	<=30	Pass
802.11ac (VHT40)	SISO	5755	-6.62	<=30	Pass
		5795	-6.53	<=30	Pass

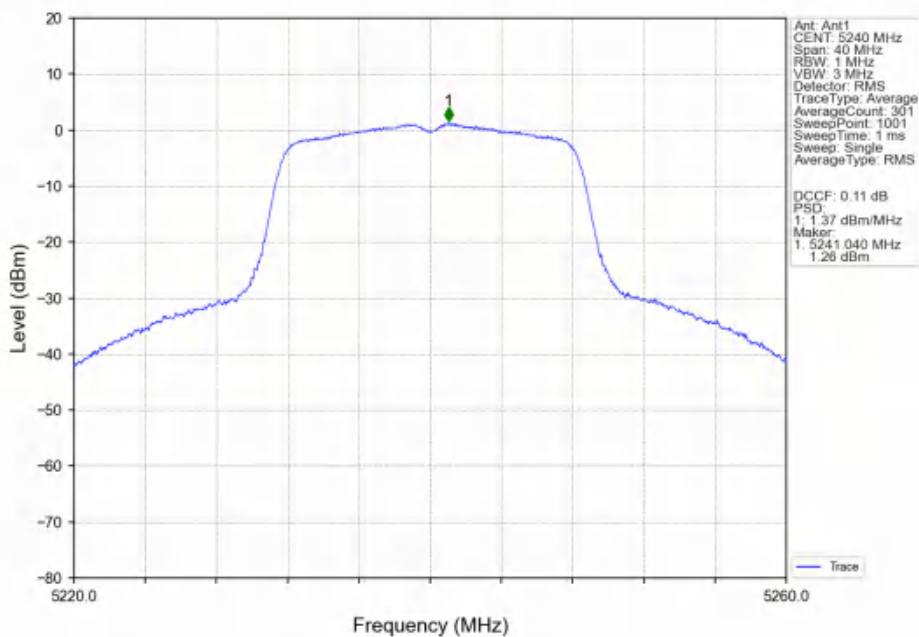
Note1: Antenna Gain: Ant1: -0.49dBi;

4.2 Test Graph

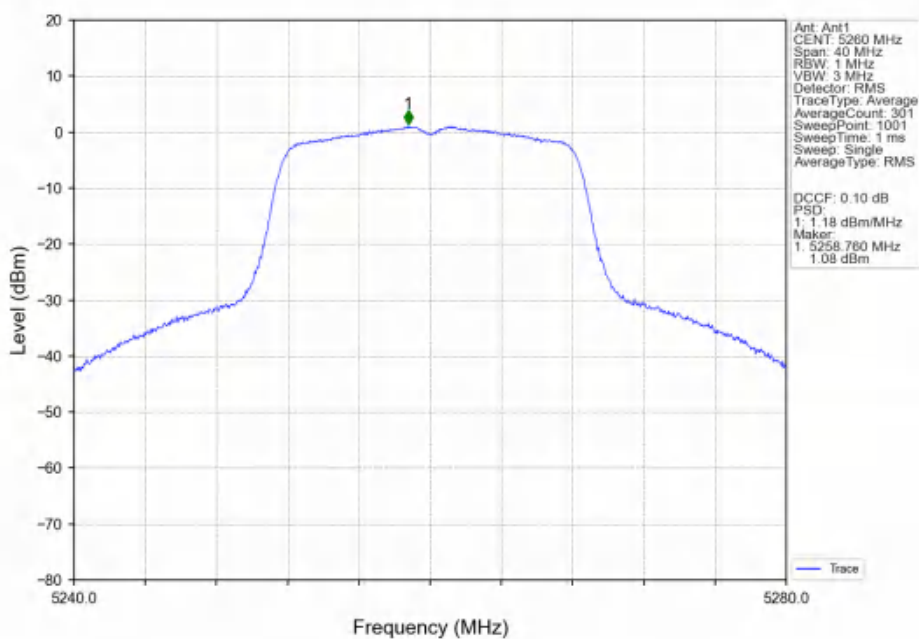
4.2.1 PSD



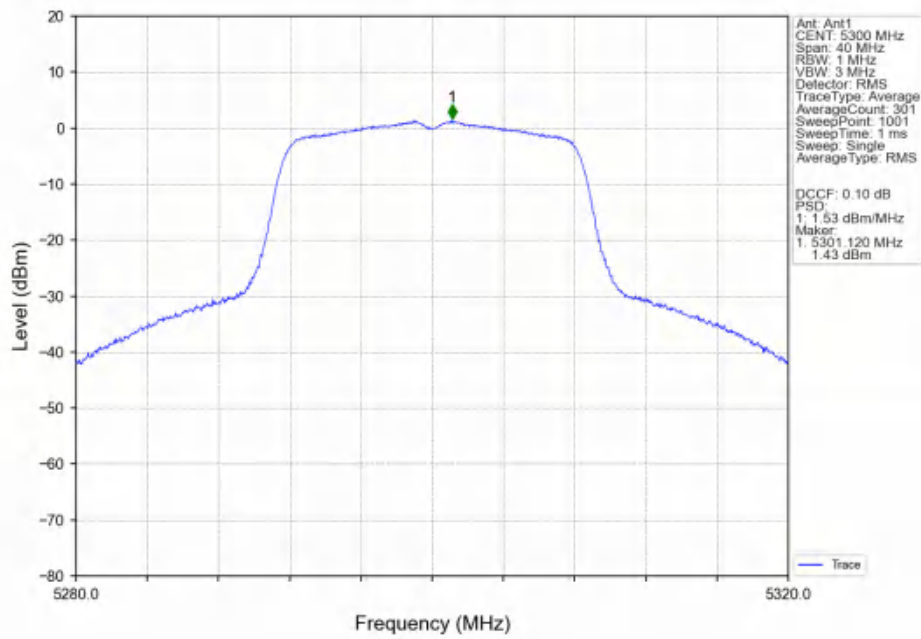
802.11a_HCH_5240MHz_Ant1_NTNV



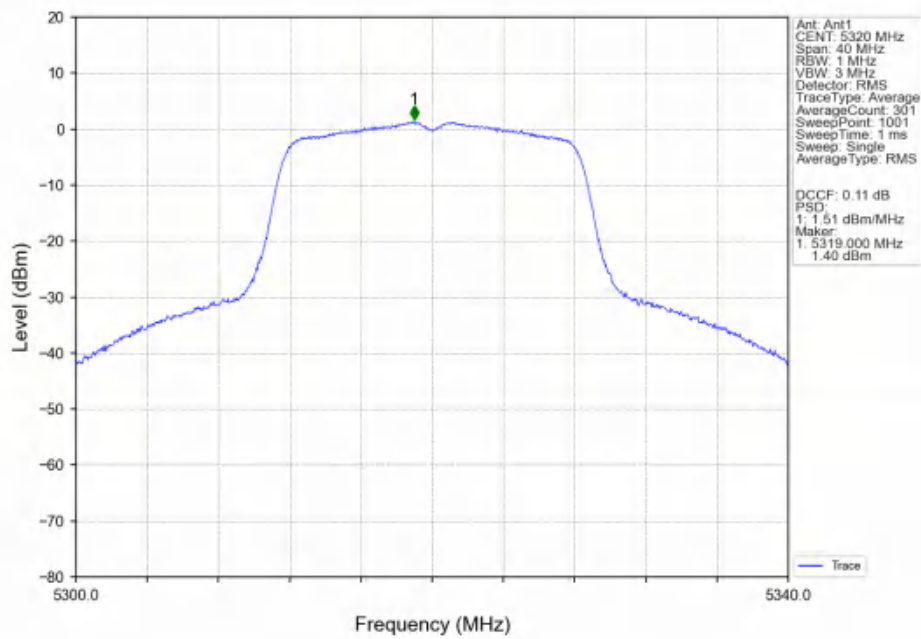
802.11a_LCH_5260MHz_Ant1_NTNV



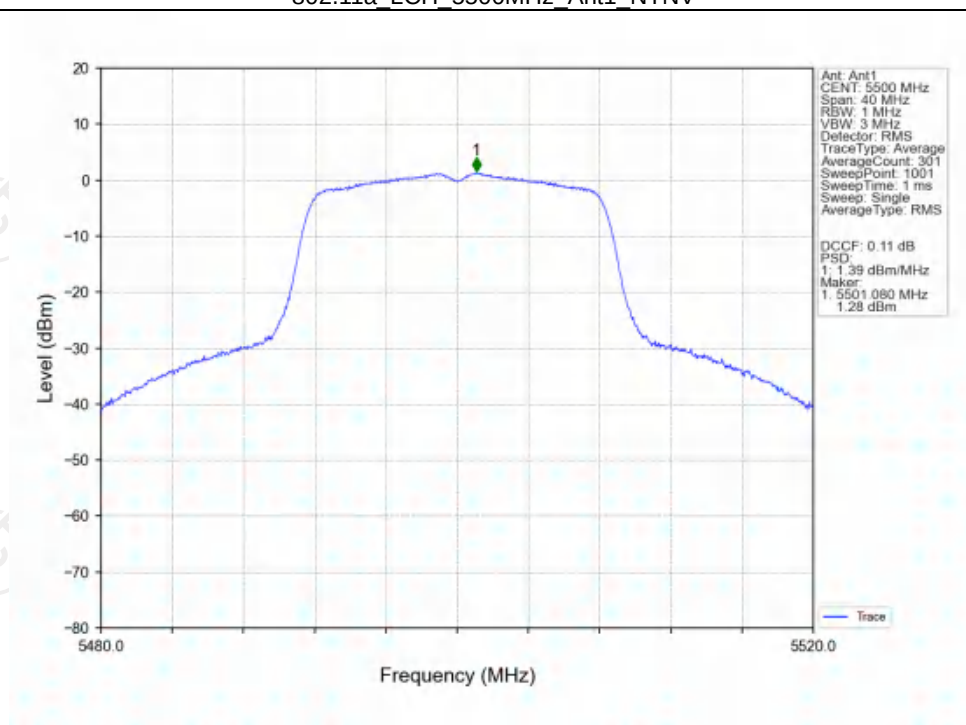
802.11a_MCH_5300MHz_Ant1_NTNV



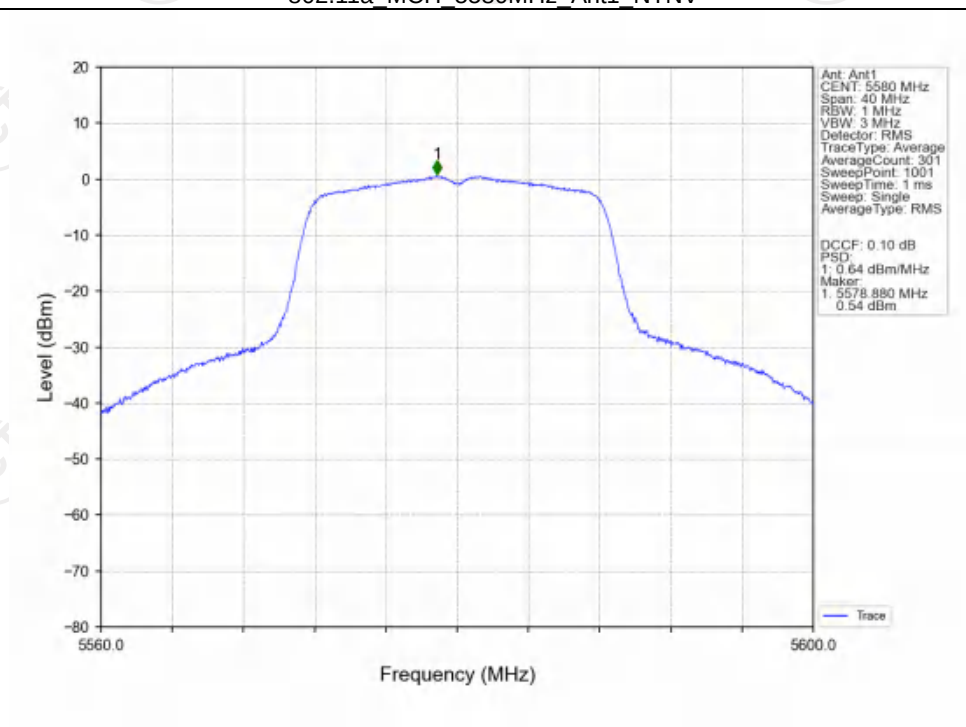
802.11a_HCH_5320MHz_Ant1_NTNV



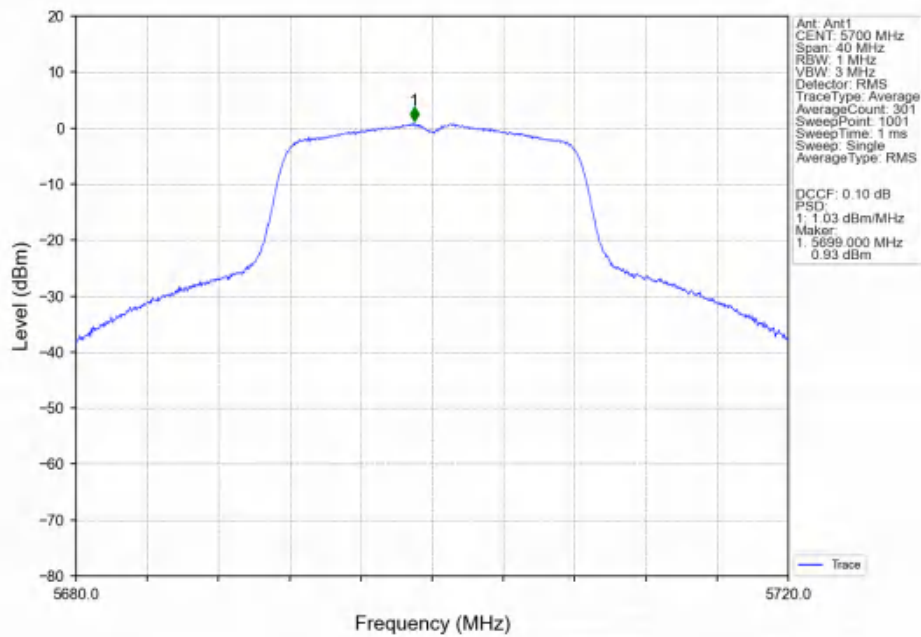
802.11a_LCH_5500MHz_Ant1_NTNV



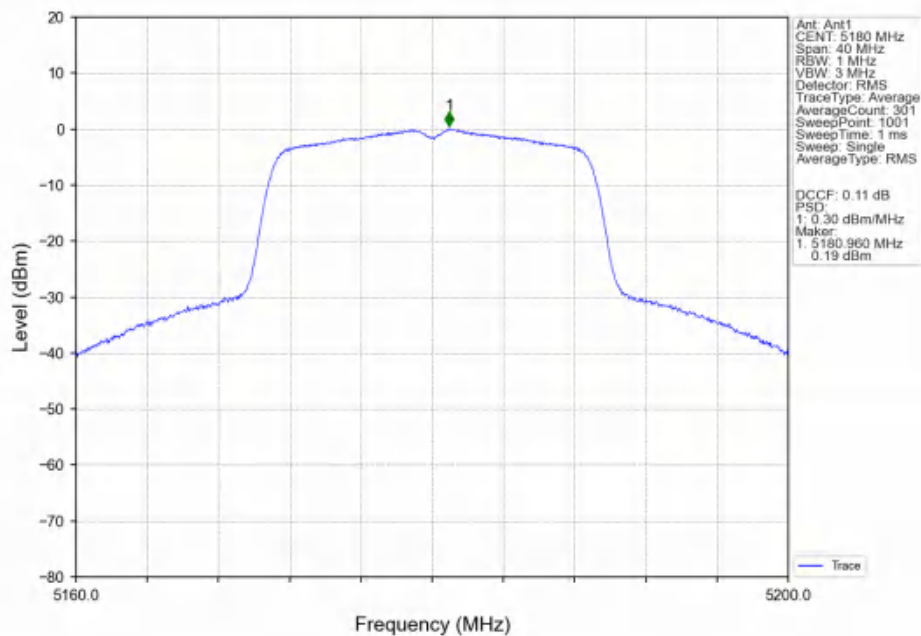
802.11a_MCH_5580MHz_Ant1_NTNV



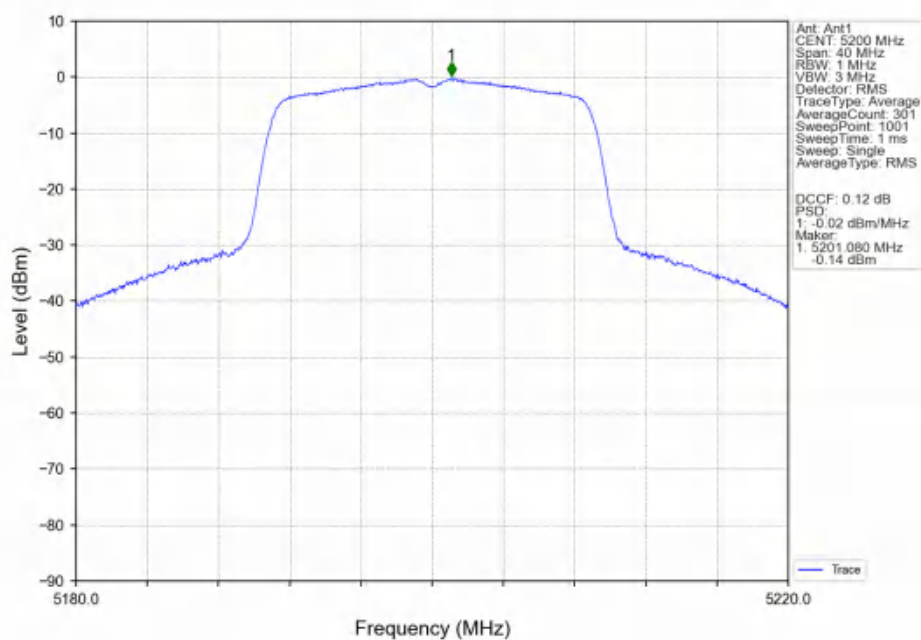
802.11a_HCH_5700MHz_Ant1_NTNV



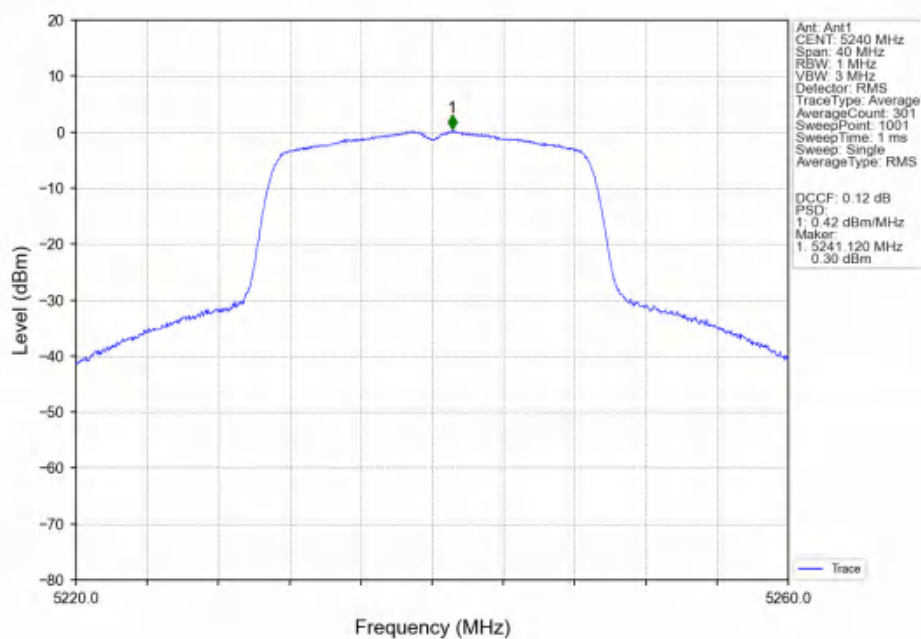
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



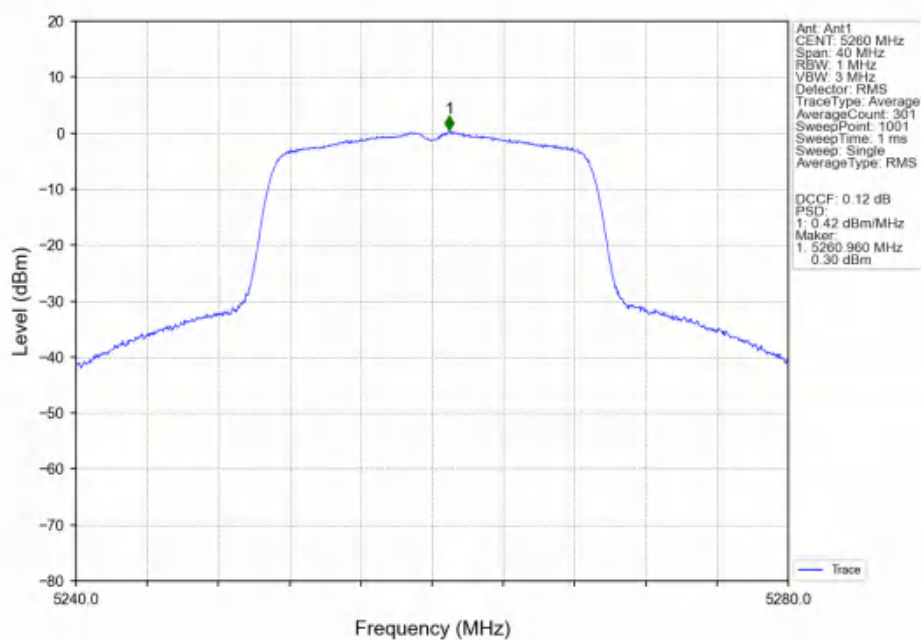
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



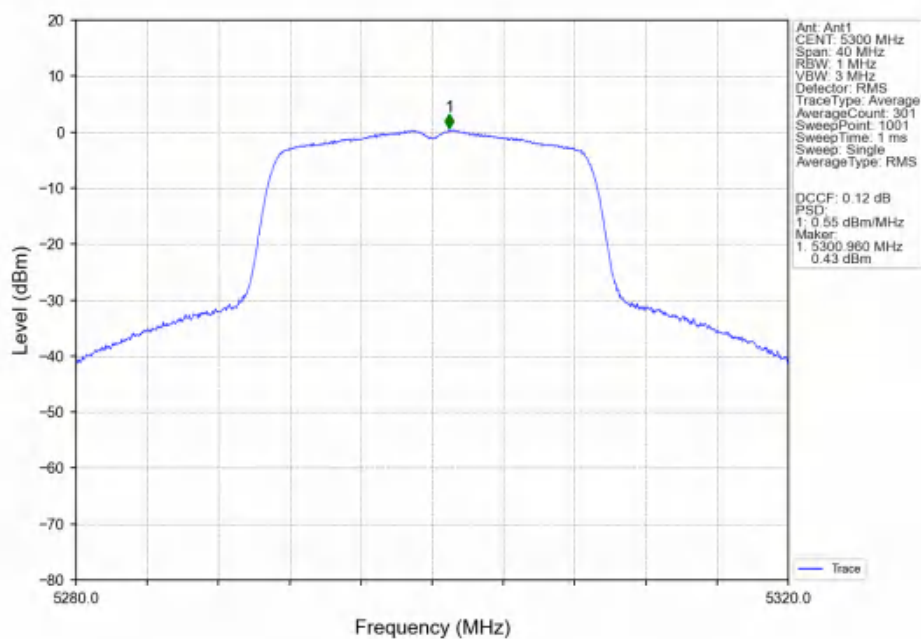
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



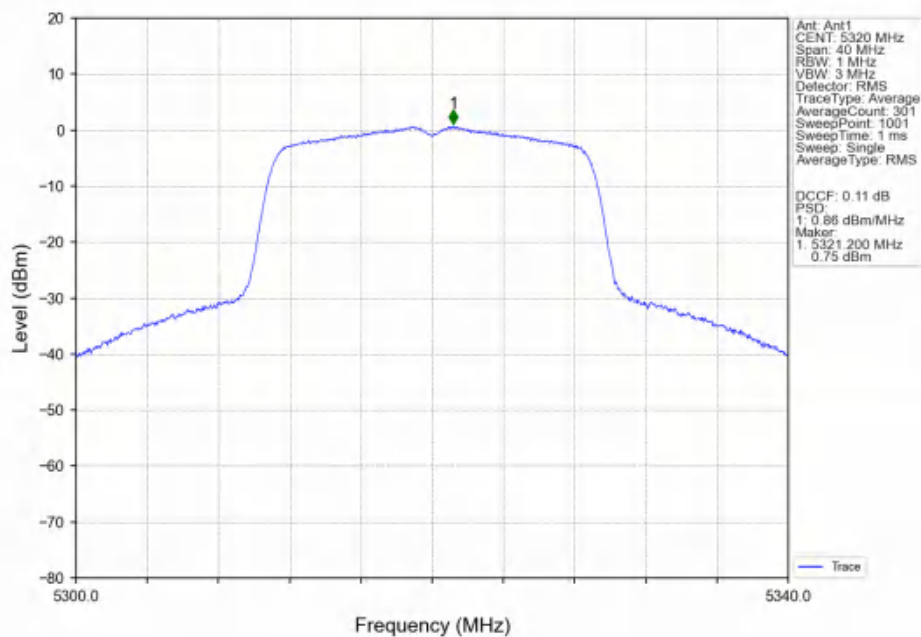
802.11n(HT20) LCH 5260MHz_Ant1_NTNV



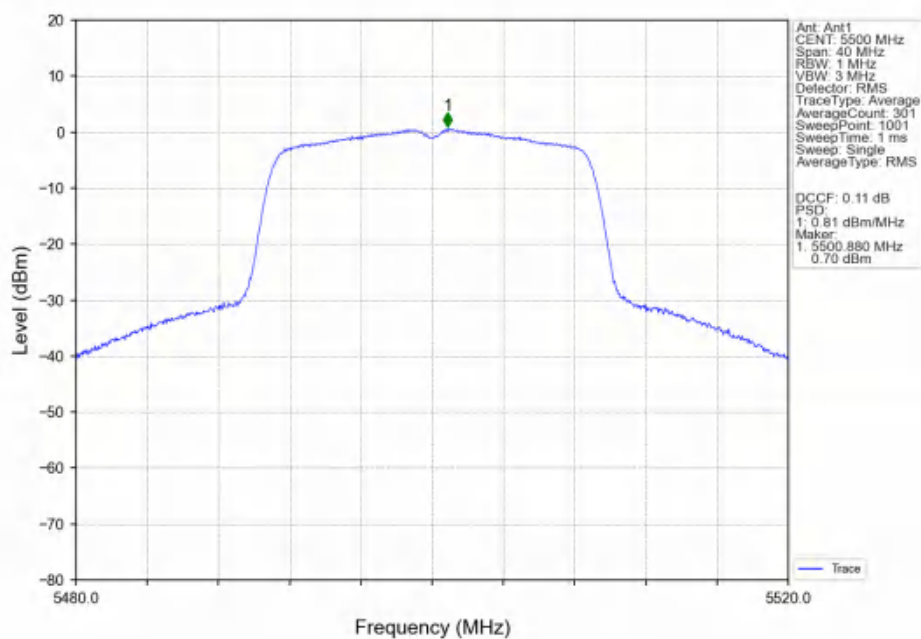
802.11n(HT20) MCH 5300MHz_Ant1_NTNV



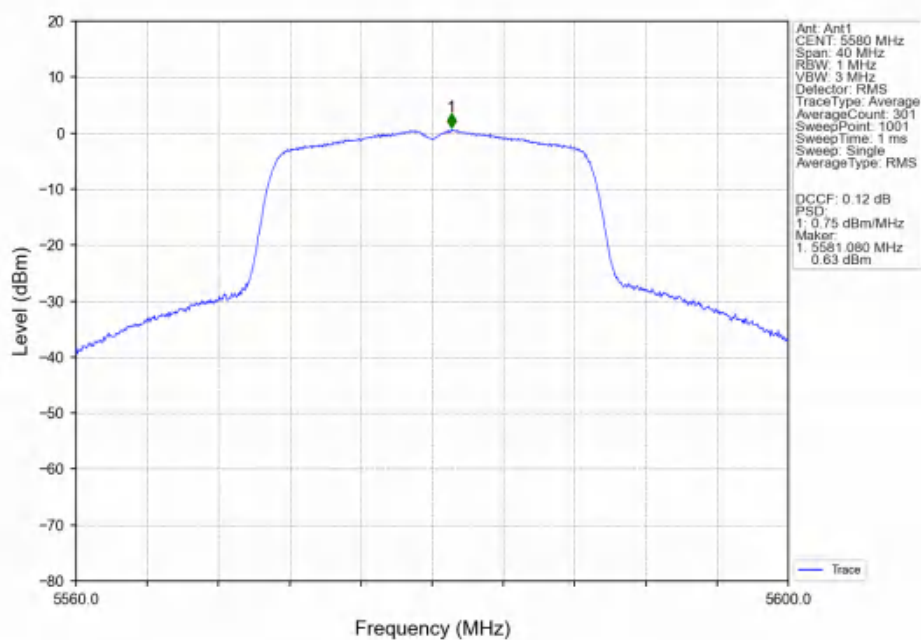
802.11n(HT20) HCH 5320MHz Ant1 NTN



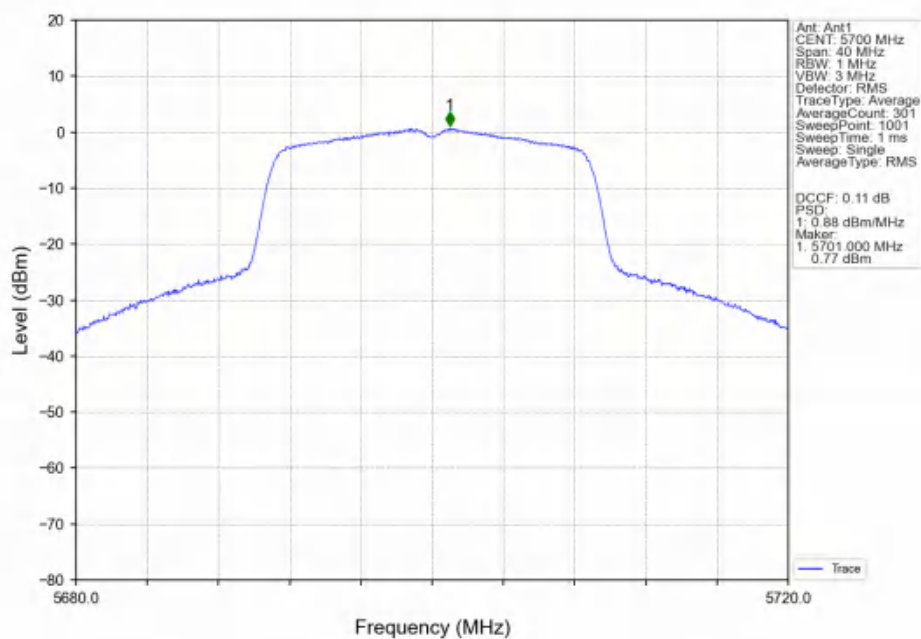
802.11n(HT20) LCH 5500MHz Ant1 NTN



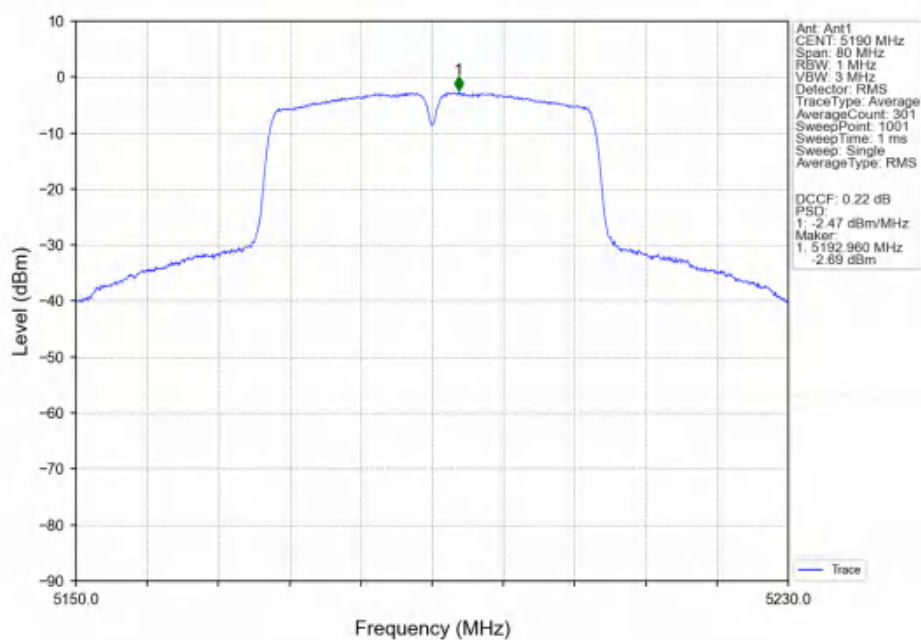
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



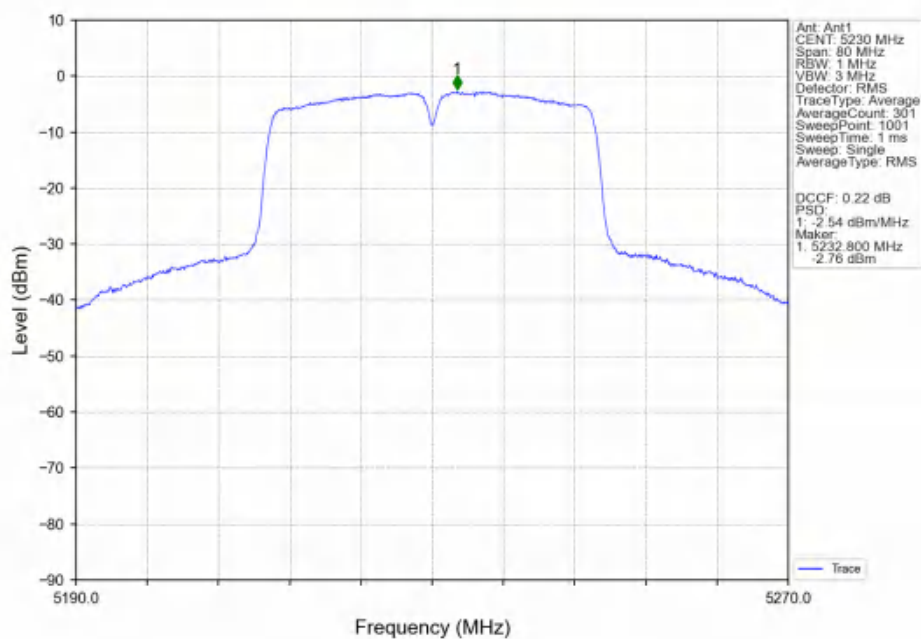
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



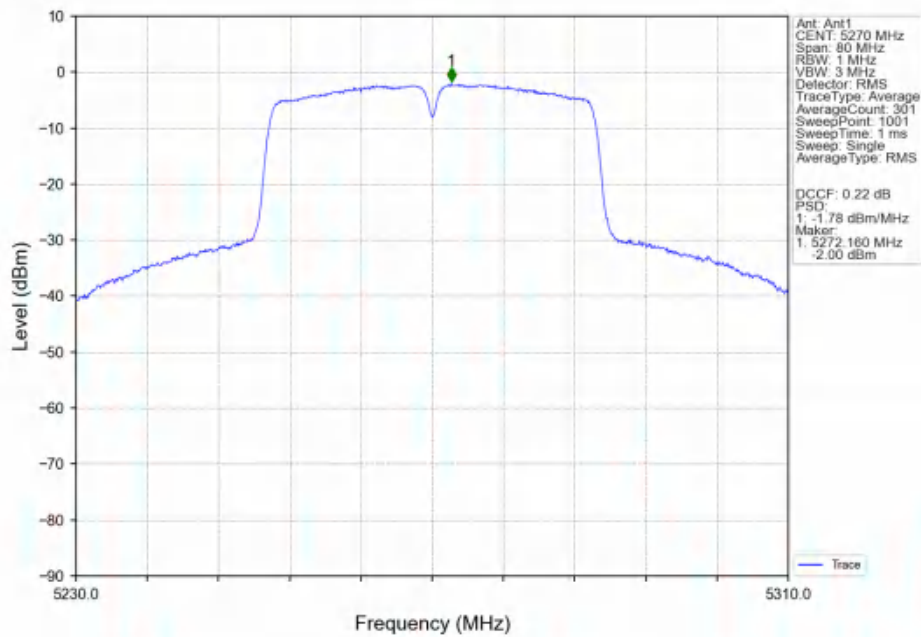
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



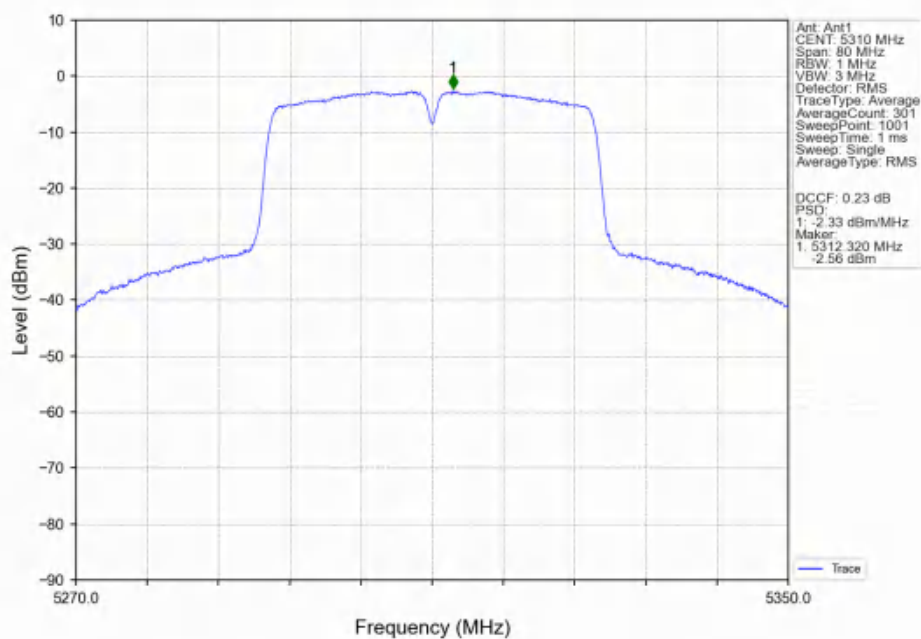
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



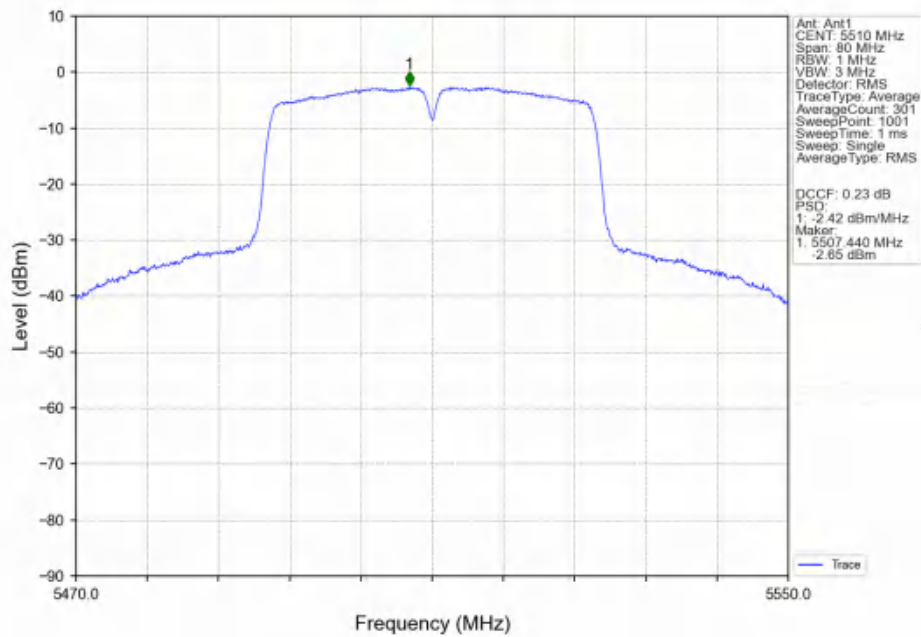
802.11n(HT40) LCH 5270MHz_Ant1_NTNV



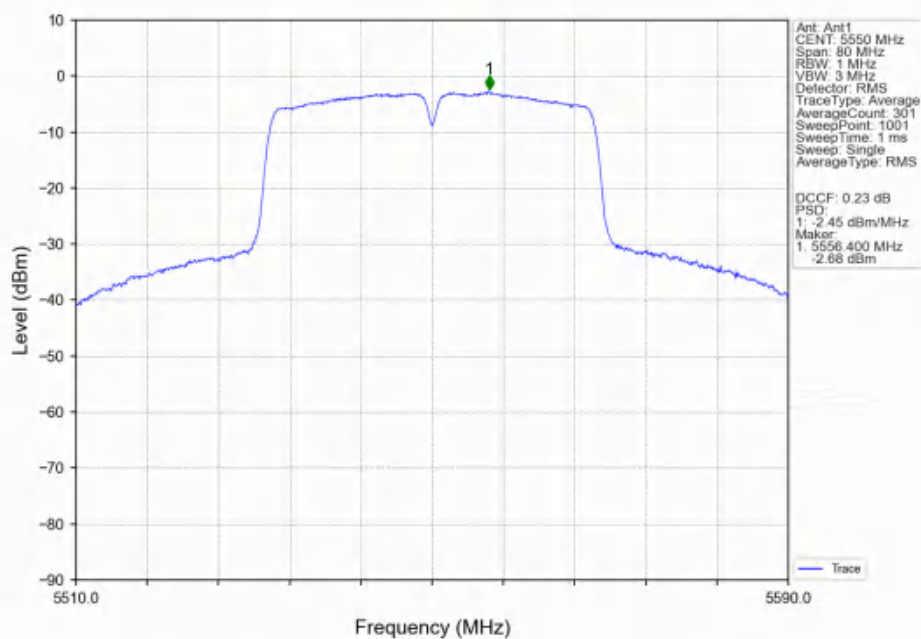
802.11n(HT40) HCH 5310MHz_Ant1_NTNV



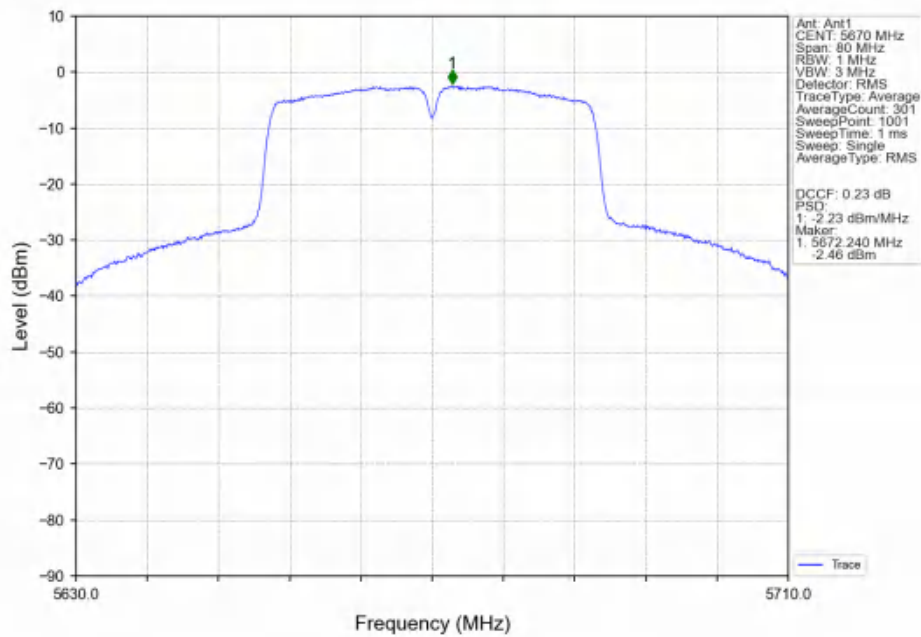
802.11n(HT40) LCH 5510MHz_Ant1_NTNV



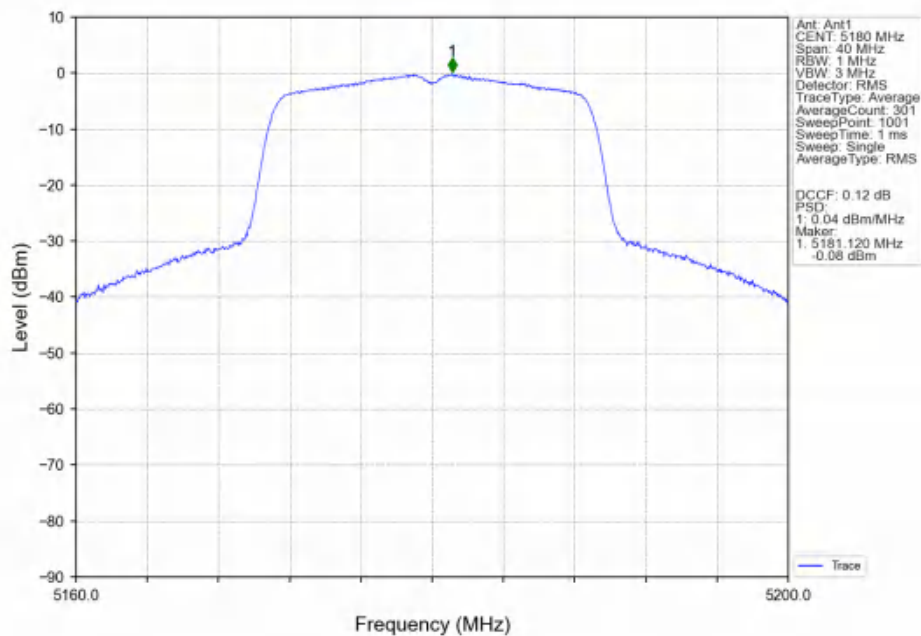
802.11n(HT40) MCH 5550MHz_Ant1_NTNV



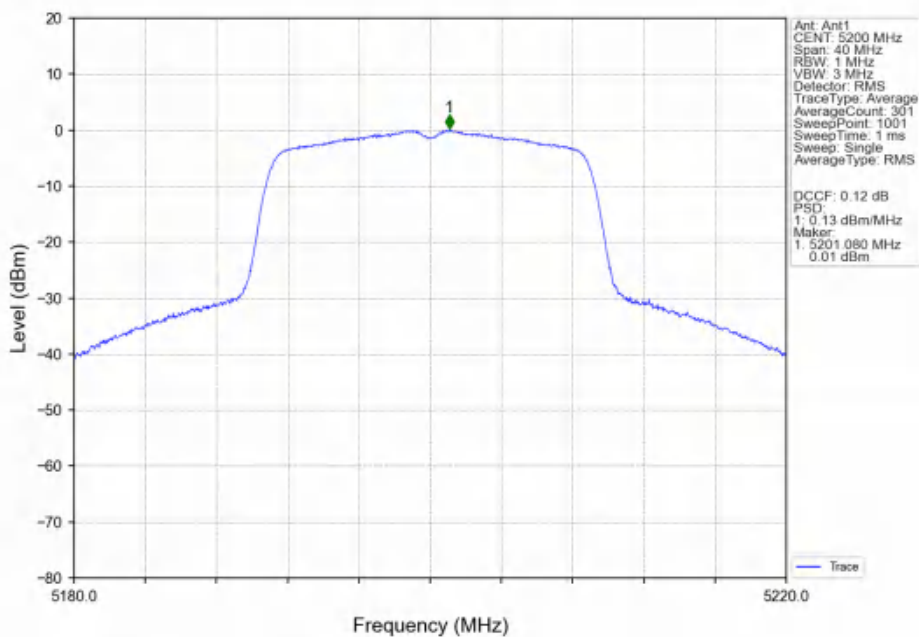
802.11n(HT40) HCH 5670MHz_Ant1_NTNV



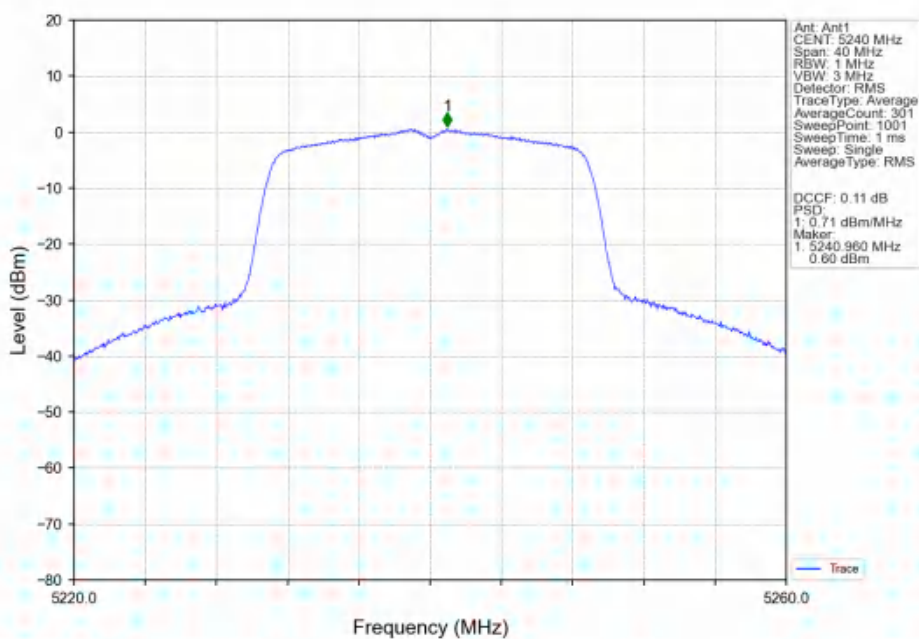
802.11ac(VHT20) LCH 5180MHz_Ant1_NTNV



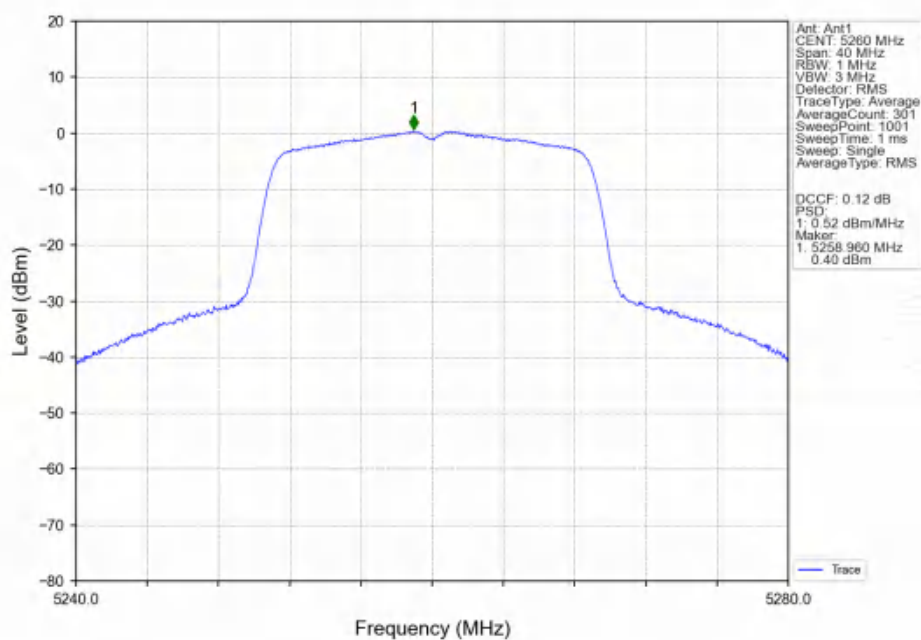
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



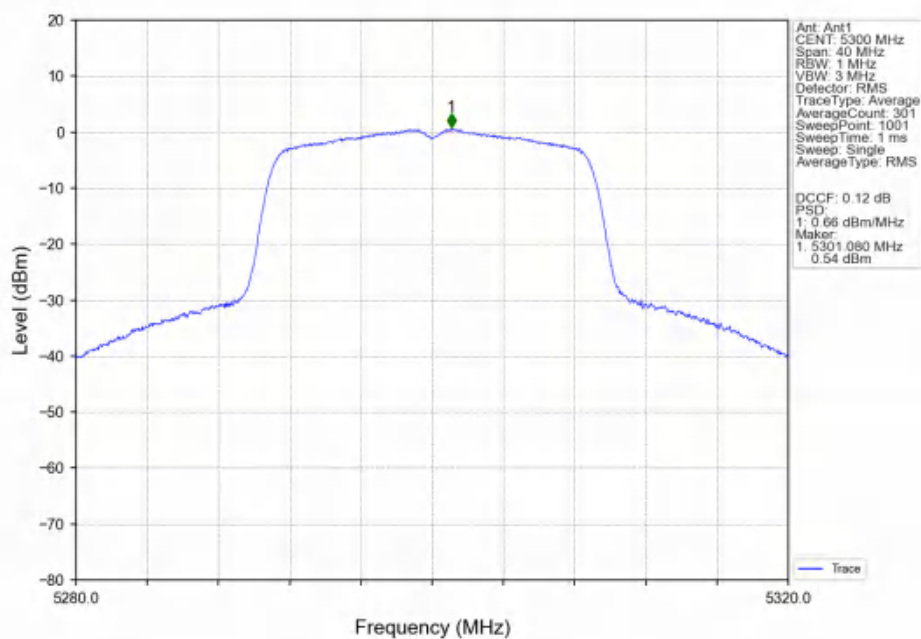
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



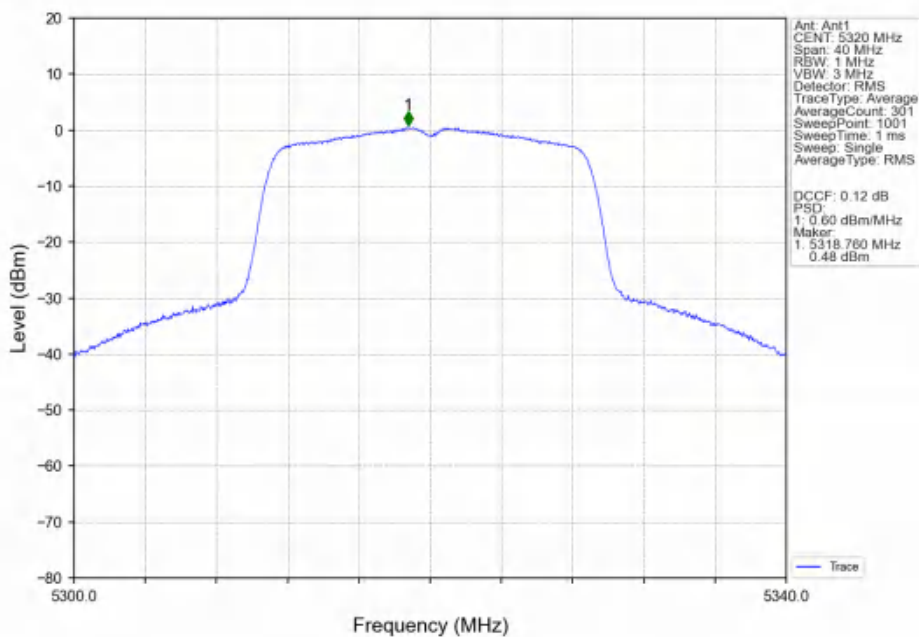
802.11ac(VHT20) LCH 5260MHz Ant1 NTN



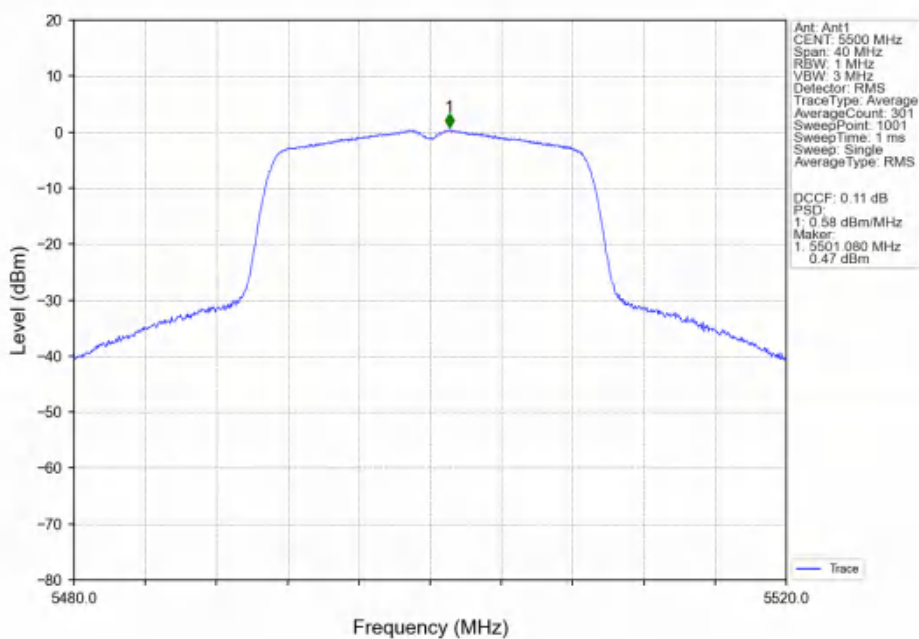
802.11ac(VHT20) MCH 5300MHz Ant1 NTN



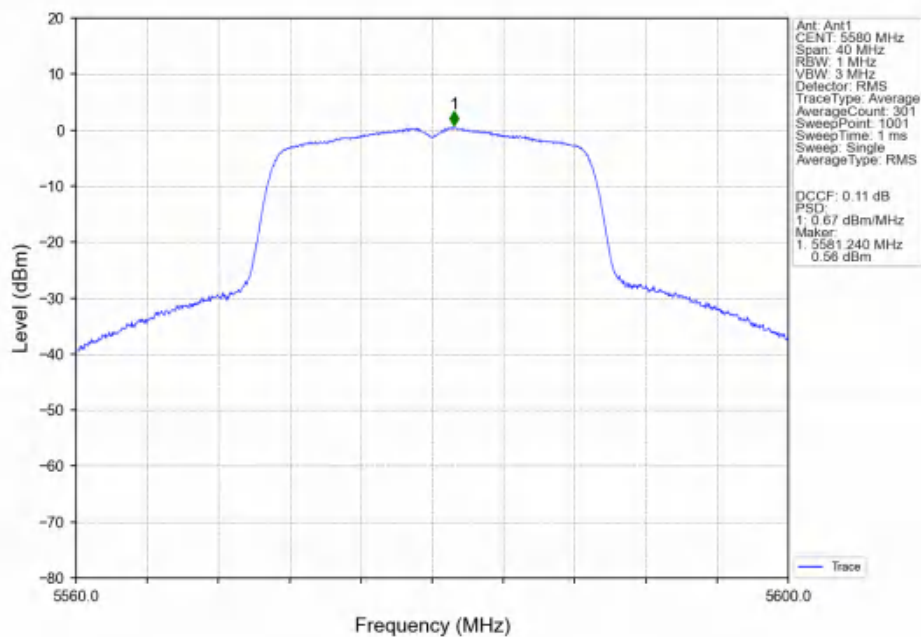
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



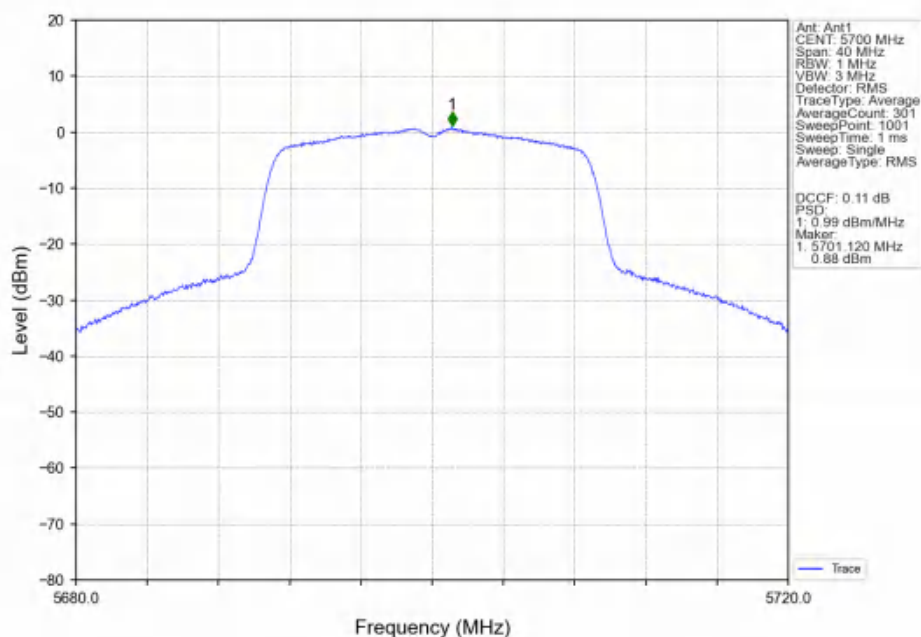
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



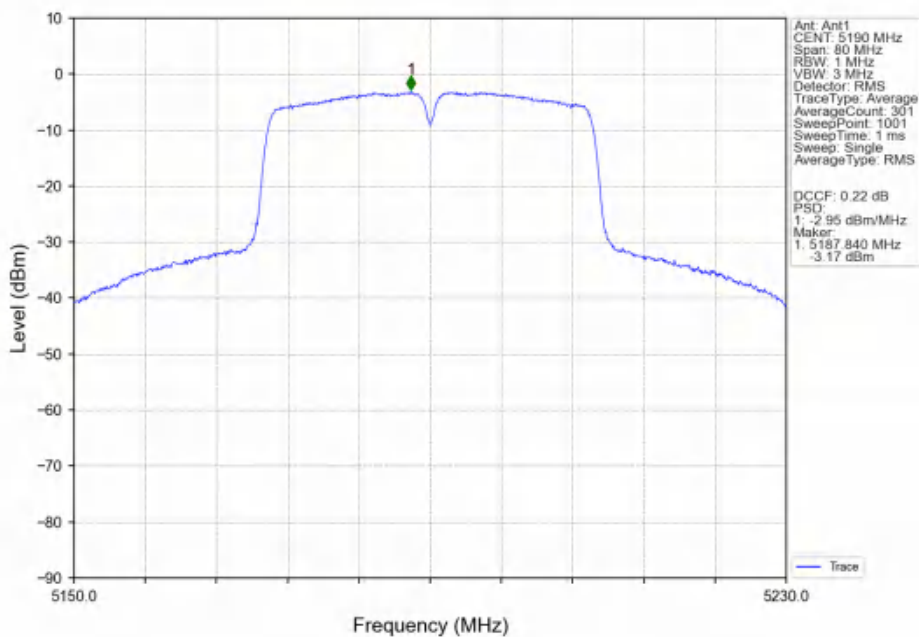
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



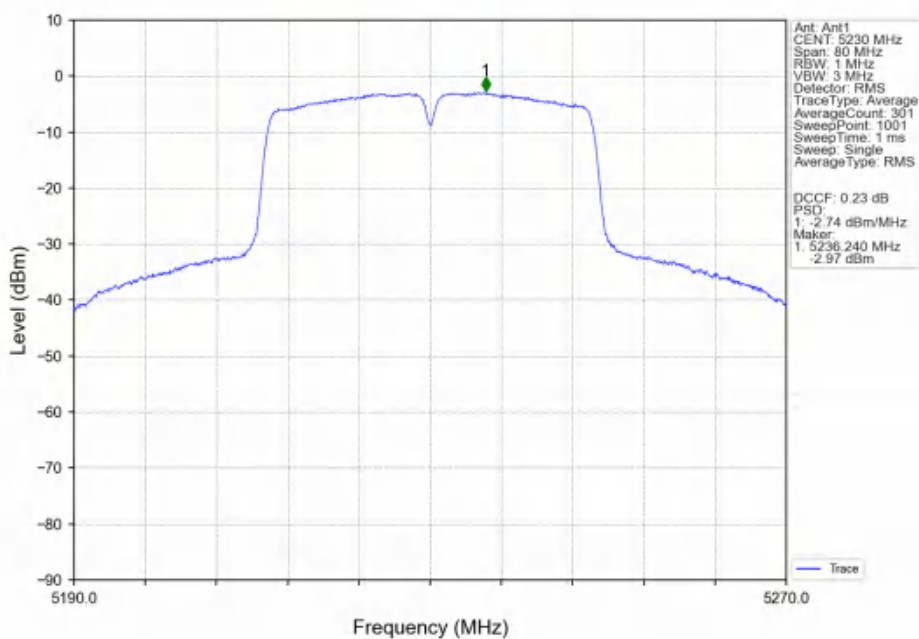
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



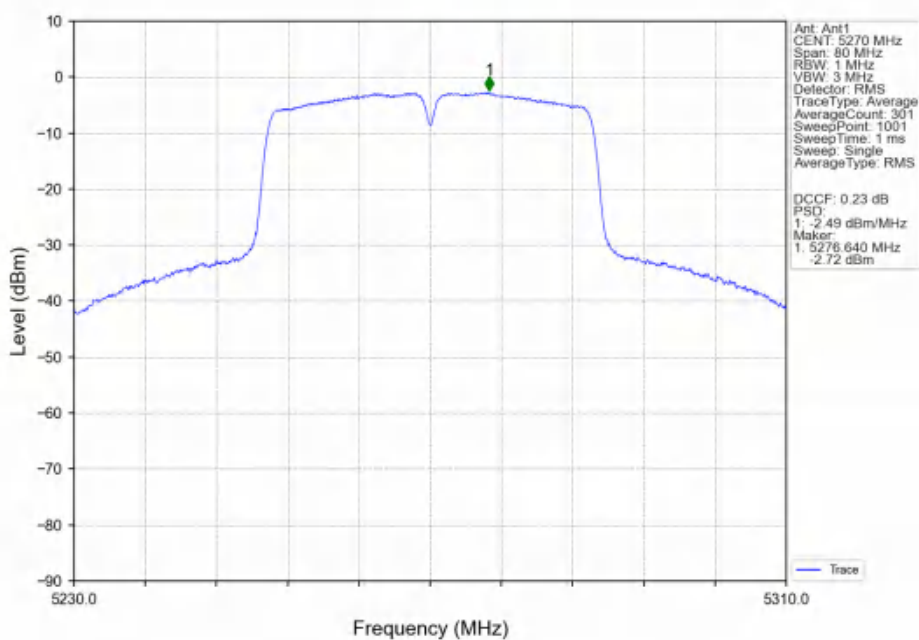
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



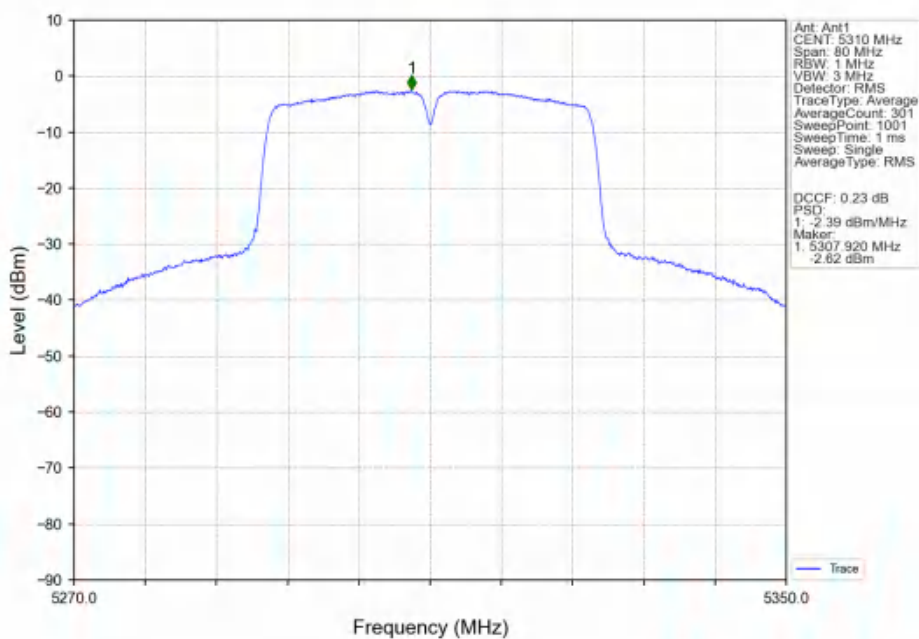
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



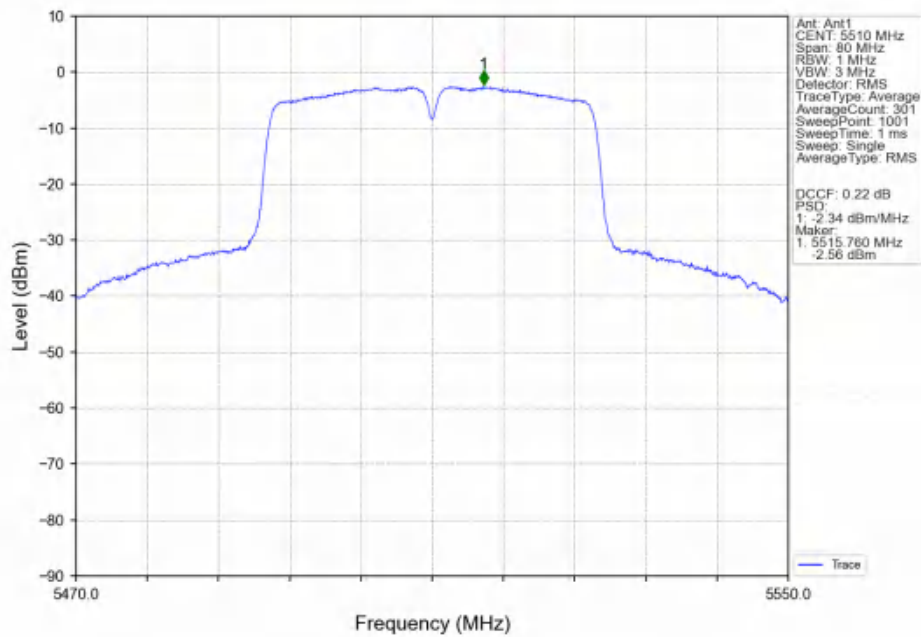
802.11ac(VHT40) LCH 5270MHz Ant1 NTN



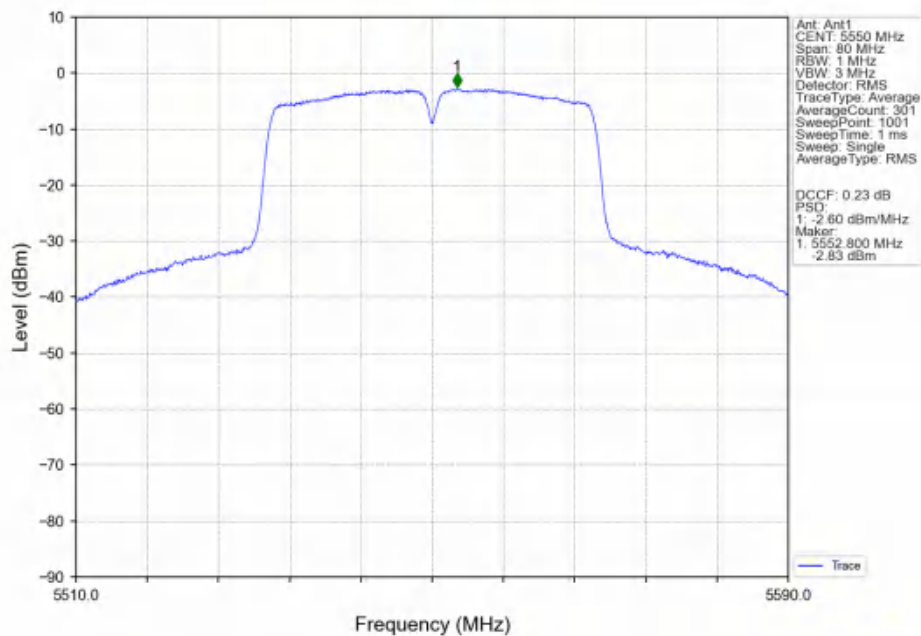
802.11ac(VHT40) HCH 5310MHz Ant1 NTN



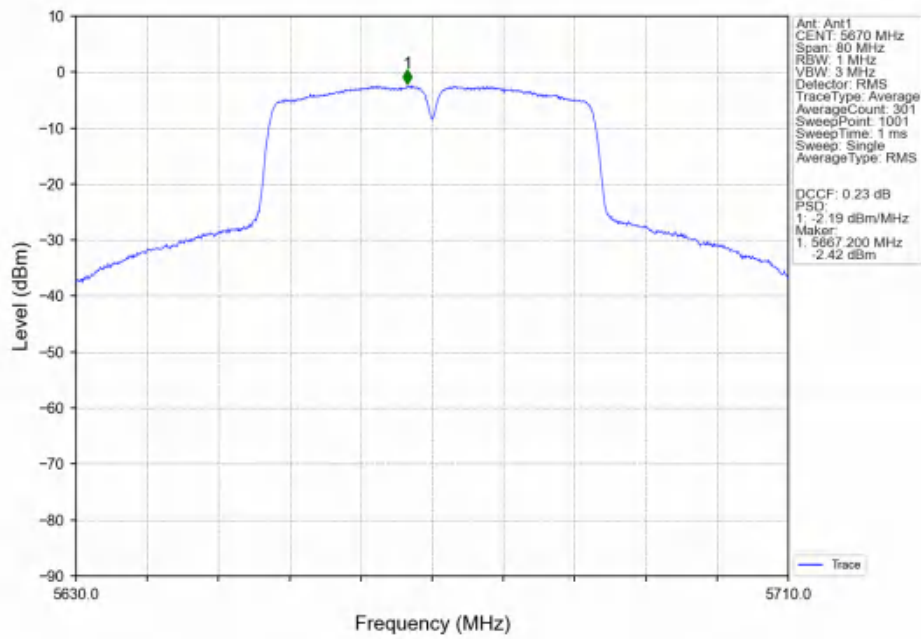
802.11ac(VHT40) LCH 5510MHz Ant1 NTN



802.11ac(VHT40) MCH 5550MHz Ant1 NTN

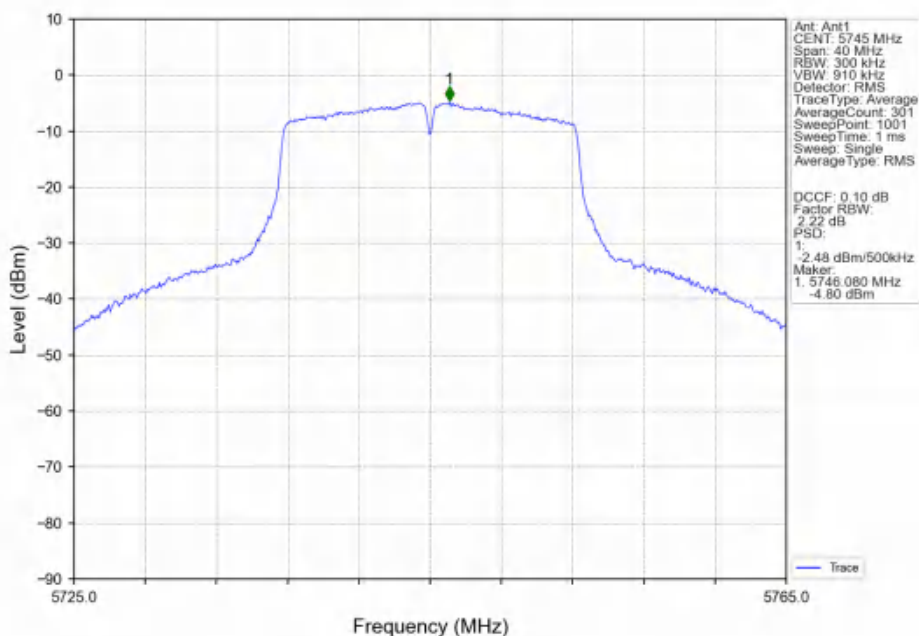


802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

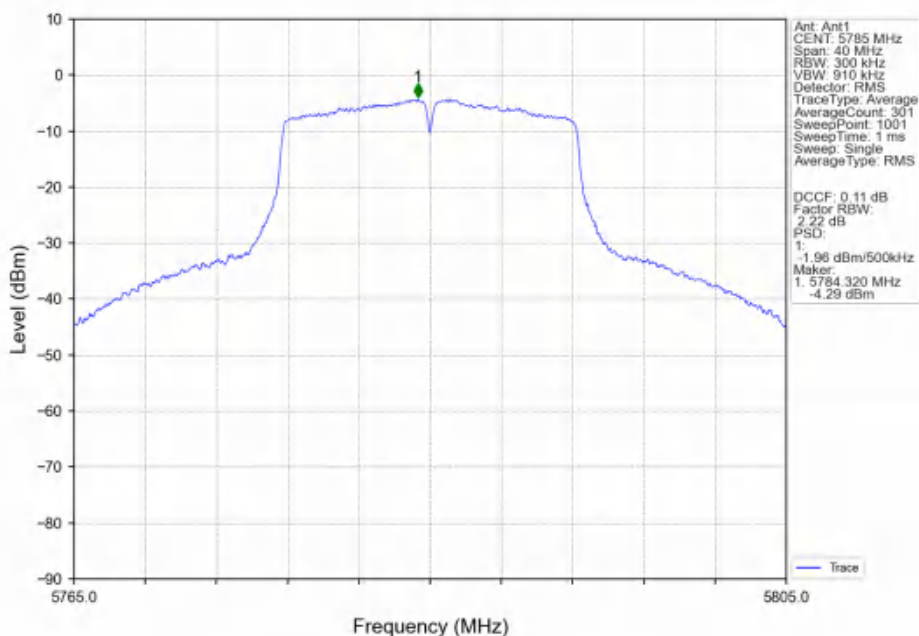


4.2.2 PSD-Band3

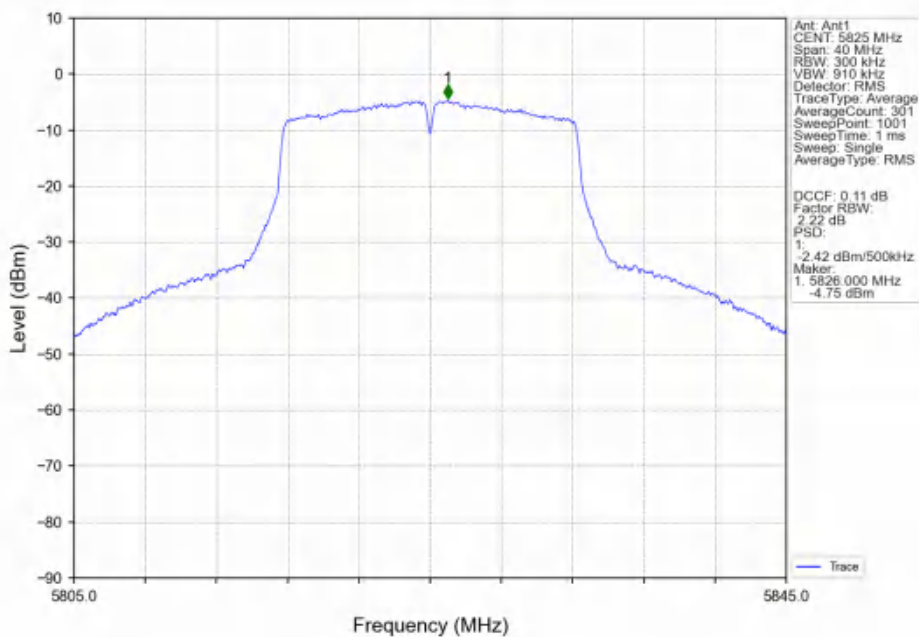
802.11a_LCH_5745MHz_Ant1_NTNV



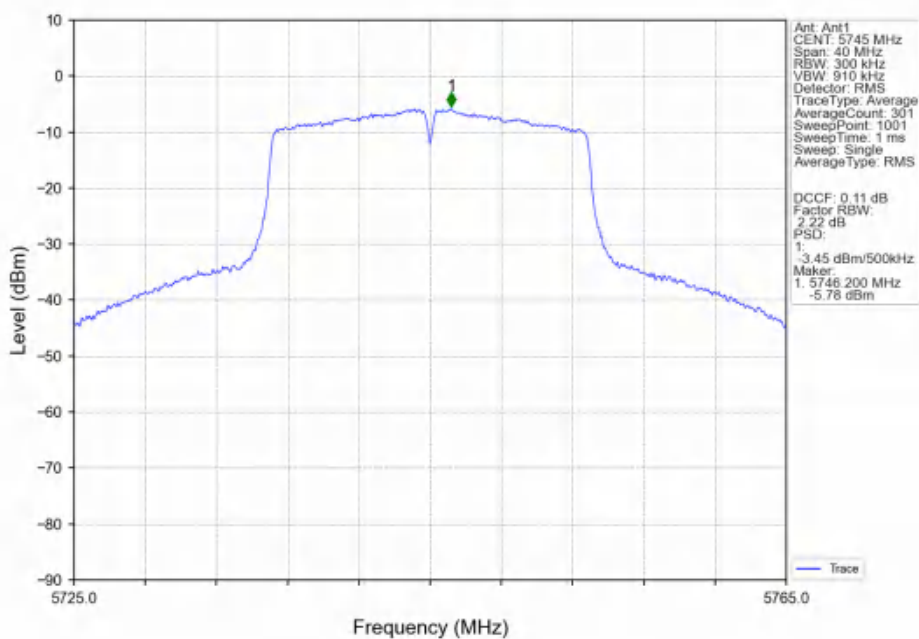
802.11a_MCH_5785MHz_Ant1_NTNV



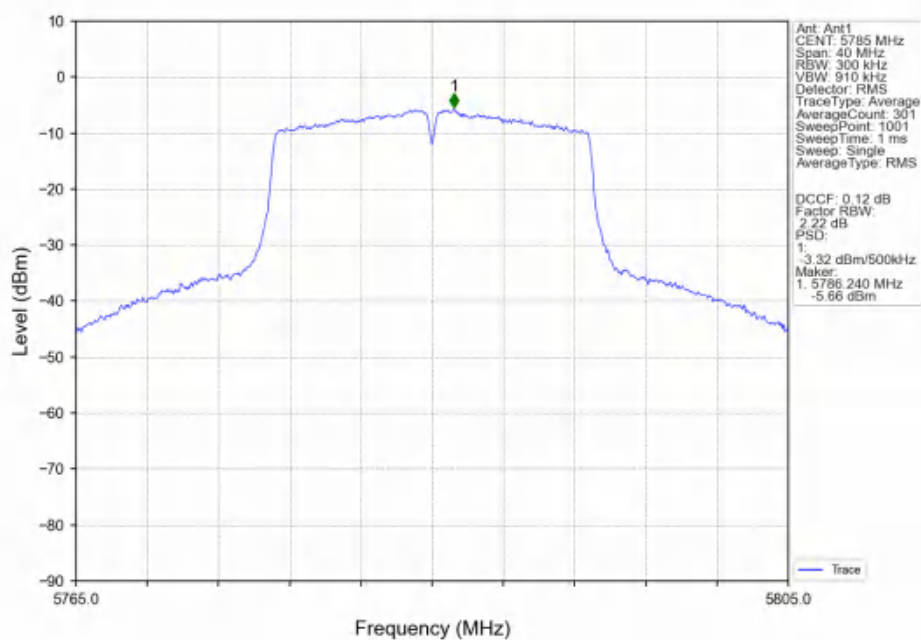
802.11a_HCH_5825MHz_Ant1_NTNV



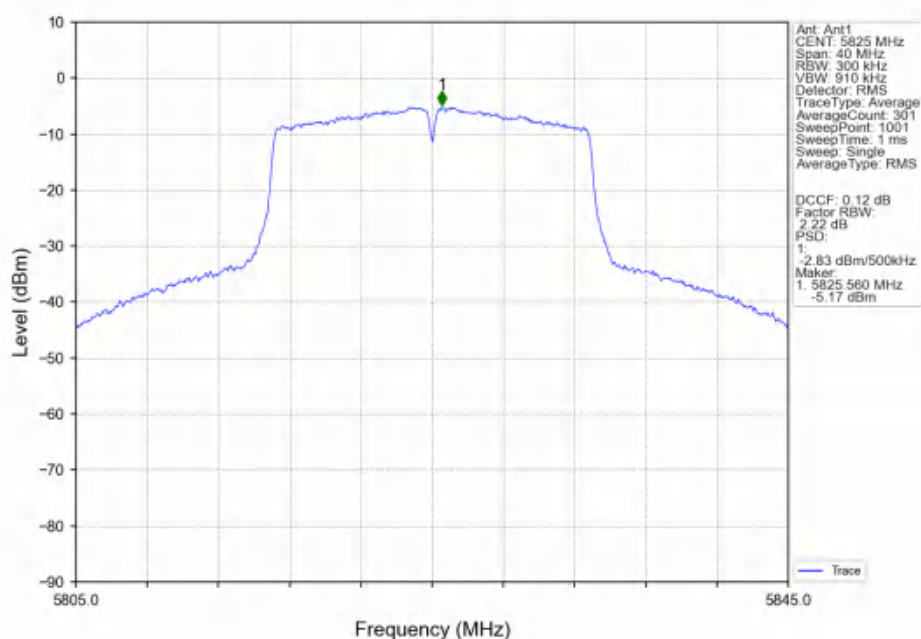
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



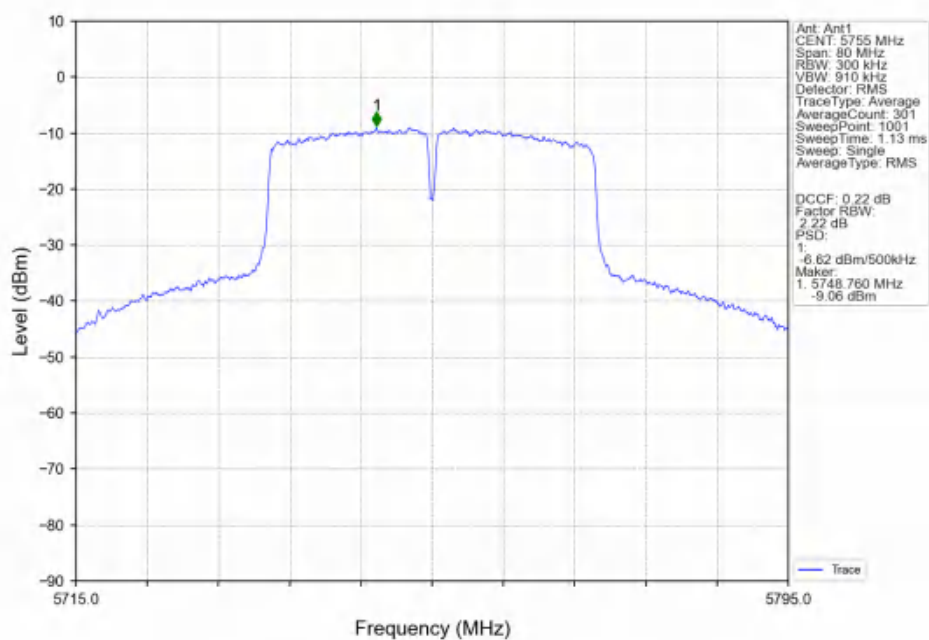
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



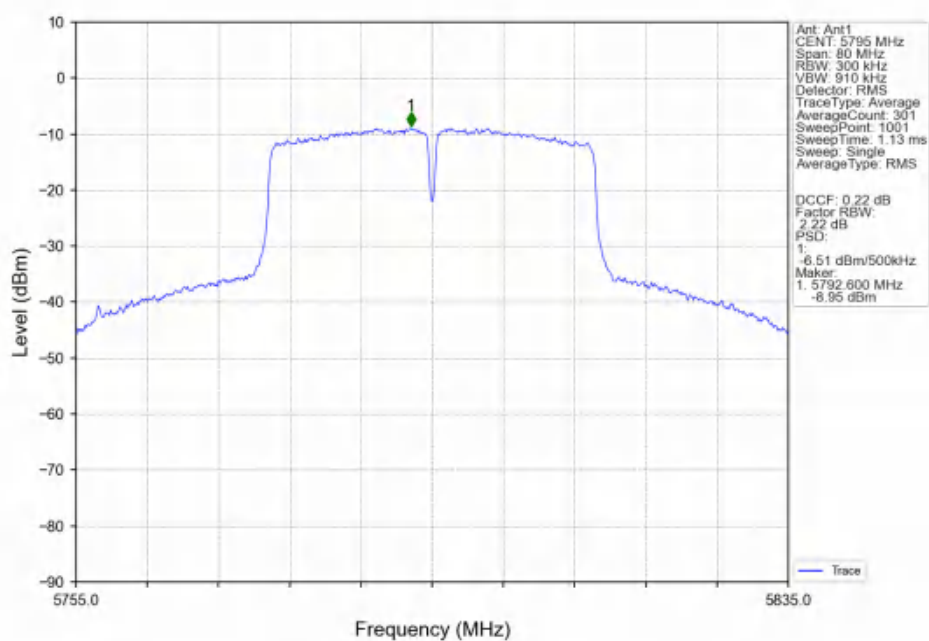
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



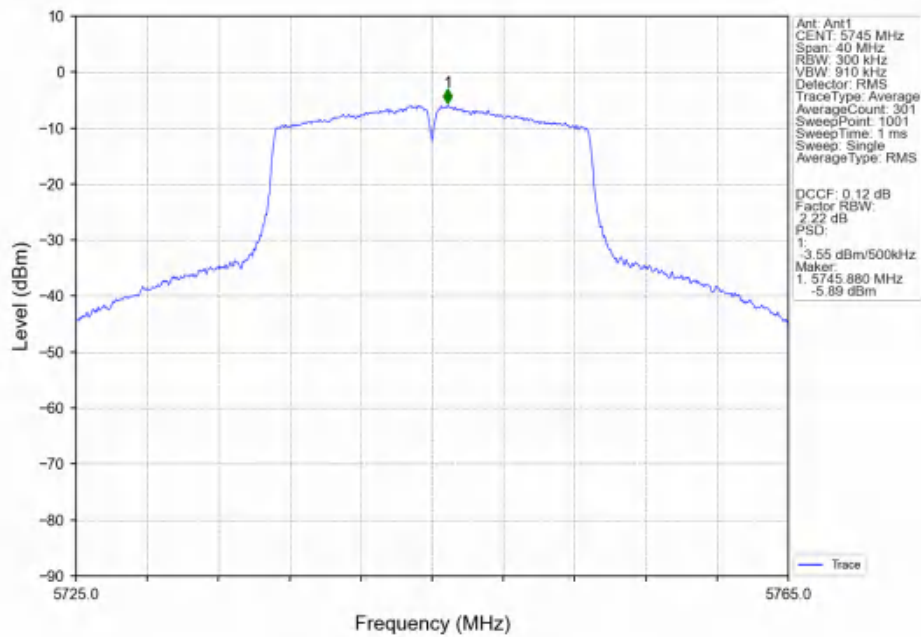
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



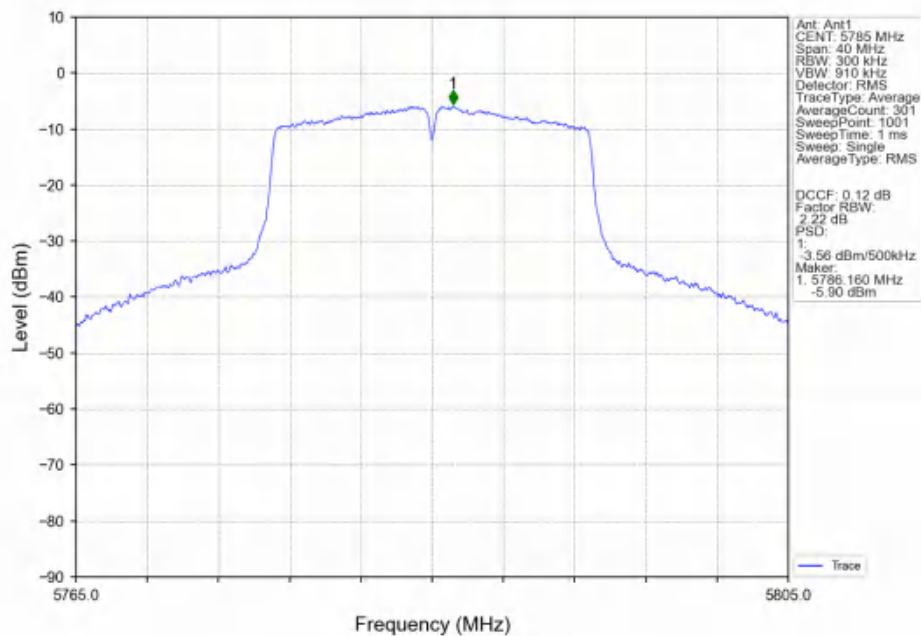
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



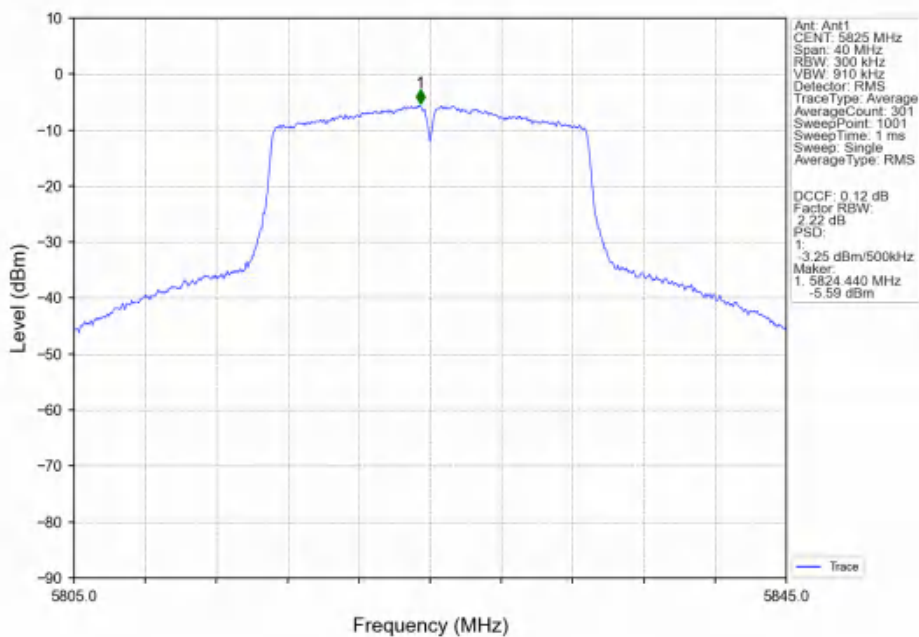
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



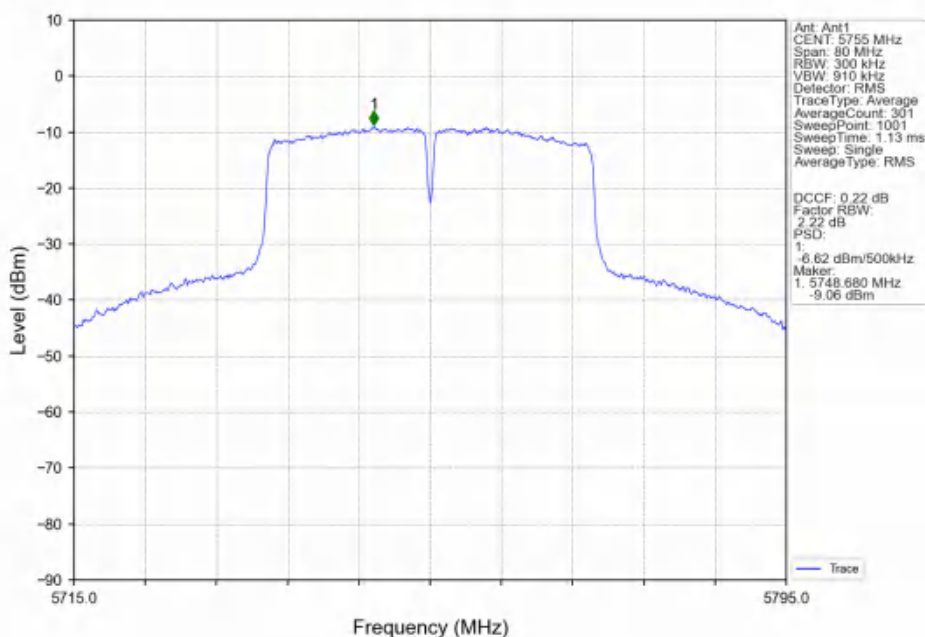
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



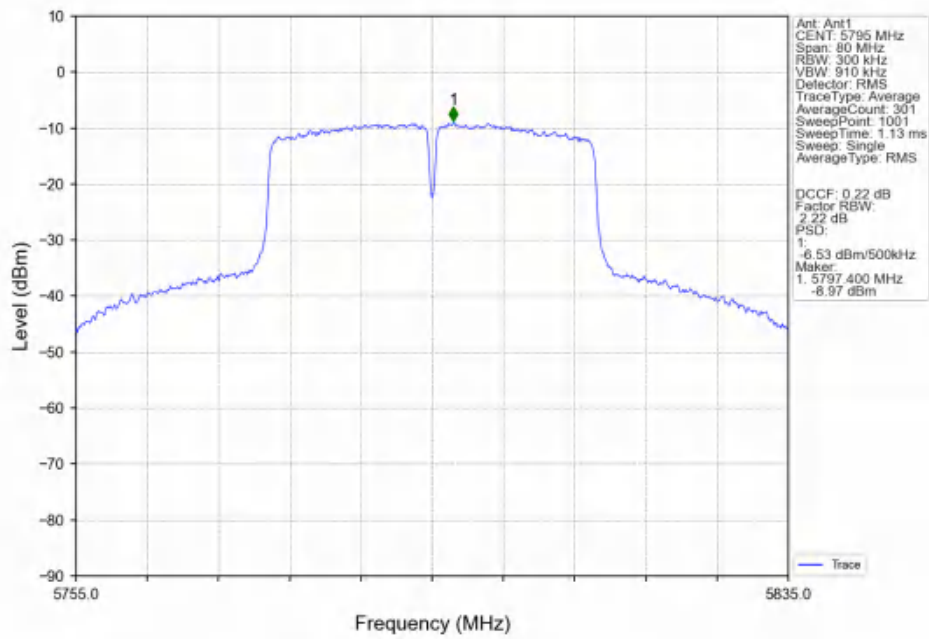
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1		Limit (MHz)	Verdict
				Voltage (VAC)	Measured Frequency (MHz)		
802.11a	SISO	5180	20	102	5179.920	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5179.980	5150 to 5250	Pass
			-20	120	5179.960	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5180.020	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.080	5150 to 5250	Pass
			50	120	5180.000	5150 to 5250	Pass
		5200	20	102	5199.920	5150 to 5250	Pass
				120	5200.040	5150 to 5250	Pass
				138	5200.000	5150 to 5250	Pass
			-30	120	5200.020	5150 to 5250	Pass
			-20	120	5200.060	5150 to 5250	Pass
			-10	120	5200.020	5150 to 5250	Pass
			0	120	5200.040	5150 to 5250	Pass
			10	120	5200.080	5150 to 5250	Pass
			30	120	5200.040	5150 to 5250	Pass
			40	120	5199.980	5150 to 5250	Pass
			50	120	5199.980	5150 to 5250	Pass
		5240	20	102	5240.020	5150 to 5250	Pass
				120	5239.920	5150 to 5250	Pass
				138	5240.040	5150 to 5250	Pass
			-30	120	5239.980	5150 to 5250	Pass
			-20	120	5240.000	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5239.940	5150 to 5250	Pass
			10	120	5239.980	5150 to 5250	Pass
			30	120	5240.000	5150 to 5250	Pass
			40	120	5239.900	5150 to 5250	Pass
			50	120	5240.080	5150 to 5250	Pass
		5260	20	102	5260.020	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
				138	5260.020	5250 to 5350	Pass
			-30	120	5260.040	5250 to 5350	Pass
			-20	120	5260.020	5250 to 5350	Pass
			-10	120	5259.940	5250 to 5350	Pass
			0	120	5259.980	5250 to 5350	Pass
			10	120	5260.000	5250 to 5350	Pass
			30	120	5260.020	5250 to 5350	Pass
			40	120	5260.100	5250 to 5350	Pass
			50	120	5260.020	5250 to 5350	Pass
		5300	20	102	5299.980	5250 to 5350	Pass
				120	5299.980	5250 to 5350	Pass
				138	5300.060	5250 to 5350	Pass
			-30	120	5299.940	5250 to 5350	Pass
			-20	120	5300.000	5250 to 5350	Pass
			-10	120	5299.940	5250 to 5350	Pass
			0	120	5299.920	5250 to 5350	Pass

					Report No.: TC1241101E024						
					10	120	5300.020	5250 to 5350	Pass		
					30	120	5300.000	5250 to 5350	Pass		
					40	120	5300.020	5250 to 5350	Pass		
					50	120	5300.020	5250 to 5350	Pass		
					5320	20	102	5320.000	5250 to 5350	Pass	
							120	5320.040	5250 to 5350	Pass	
							138	5320.000	5250 to 5350	Pass	
						-30	120	5320.040	5250 to 5350	Pass	
						-20	120	5319.980	5250 to 5350	Pass	
						-10	120	5319.980	5250 to 5350	Pass	
						0	120	5320.000	5250 to 5350	Pass	
						10	120	5320.080	5250 to 5350	Pass	
						30	120	5319.920	5250 to 5350	Pass	
						40	120	5319.960	5250 to 5350	Pass	
						50	120	5320.020	5250 to 5350	Pass	
						5500	20	102	5500.000	5470 to 5725	Pass
								120	5499.960	5470 to 5725	Pass
								138	5500.020	5470 to 5725	Pass
					-30		120	5499.960	5470 to 5725	Pass	
					-20		120	5499.960	5470 to 5725	Pass	
					-10		120	5499.980	5470 to 5725	Pass	
					0		120	5500.000	5470 to 5725	Pass	
					10		120	5500.020	5470 to 5725	Pass	
					30		120	5499.940	5470 to 5725	Pass	
					40		120	5500.000	5470 to 5725	Pass	
					50		120	5500.000	5470 to 5725	Pass	
					5580		20	102	5580.040	5470 to 5725	Pass
								120	5580.020	5470 to 5725	Pass
								138	5580.000	5470 to 5725	Pass
						-30	120	5580.060	5470 to 5725	Pass	
						-20	120	5579.940	5470 to 5725	Pass	
						-10	120	5580.020	5470 to 5725	Pass	
						0	120	5579.920	5470 to 5725	Pass	
						10	120	5579.980	5470 to 5725	Pass	
						30	120	5580.040	5470 to 5725	Pass	
						40	120	5579.940	5470 to 5725	Pass	
						50	120	5580.040	5470 to 5725	Pass	
						5700	20	102	5700.000	5470 to 5725	Pass
								120	5699.960	5470 to 5725	Pass
								138	5699.980	5470 to 5725	Pass
					-30		120	5699.920	5470 to 5725	Pass	
					-20		120	5700.020	5470 to 5725	Pass	
					-10		120	5699.980	5470 to 5725	Pass	
					0		120	5699.940	5470 to 5725	Pass	
					10		120	5699.980	5470 to 5725	Pass	
					30		120	5700.020	5470 to 5725	Pass	
					40		120	5699.960	5470 to 5725	Pass	
					50		120	5699.960	5470 to 5725	Pass	
					5745		20	102	5745.000	5725 to 5850	Pass
								120	5744.960	5725 to 5850	Pass
								138	5744.980	5725 to 5850	Pass
						-30	120	5744.940	5725 to 5850	Pass	
						-20	120	5744.980	5725 to 5850	Pass	
						-10	120	5744.940	5725 to 5850	Pass	
						0	120	5745.000	5725 to 5850	Pass	
						10	120	5744.960	5725 to 5850	Pass	
						30	120	5745.020	5725 to 5850	Pass	
						40	120	5745.000	5725 to 5850	Pass	
						50	120	5745.000	5725 to 5850	Pass	
						5785	20	102	5784.940	5725 to 5850	Pass
								120	5784.960	5725 to 5850	Pass
								138	5785.020	5725 to 5850	Pass
					-30		120	5785.020	5725 to 5850	Pass	
					-20		120	5785.040	5725 to 5850	Pass	

802.11n (HT20)	SISO		-10	120	5784.980	5725 to 5850	Pass
			0	120	5784.940	5725 to 5850	Pass
			10	120	5785.040	5725 to 5850	Pass
			30	120	5784.920	5725 to 5850	Pass
			40	120	5785.020	5725 to 5850	Pass
			50	120	5784.980	5725 to 5850	Pass
		5825	20	102	5824.960	5725 to 5850	Pass
				120	5825.000	5725 to 5850	Pass
				138	5825.000	5725 to 5850	Pass
			-30	120	5824.920	5725 to 5850	Pass
			-20	120	5824.960	5725 to 5850	Pass
			-10	120	5825.060	5725 to 5850	Pass
			0	120	5825.020	5725 to 5850	Pass
			10	120	5824.960	5725 to 5850	Pass
			30	120	5824.960	5725 to 5850	Pass
			40	120	5824.980	5725 to 5850	Pass
			50	120	5824.960	5725 to 5850	Pass
		5180	20	102	5180.000	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
				138	5179.940	5150 to 5250	Pass
			-30	120	5180.060	5150 to 5250	Pass
			-20	120	5180.020	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.020	5150 to 5250	Pass
			30	120	5180.040	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
			50	120	5180.000	5150 to 5250	Pass
		5200	20	102	5200.060	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				138	5199.960	5150 to 5250	Pass
			-30	120	5199.980	5150 to 5250	Pass
			-20	120	5200.040	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass
			30	120	5200.000	5150 to 5250	Pass
			40	120	5200.020	5150 to 5250	Pass
			50	120	5199.940	5150 to 5250	Pass
		5240	20	102	5240.060	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				138	5240.100	5150 to 5250	Pass
			-30	120	5240.060	5150 to 5250	Pass
			-20	120	5239.980	5150 to 5250	Pass
			-10	120	5240.060	5150 to 5250	Pass
			0	120	5240.040	5150 to 5250	Pass
			10	120	5240.040	5150 to 5250	Pass
			30	120	5240.020	5150 to 5250	Pass
			40	120	5240.060	5150 to 5250	Pass
			50	120	5240.000	5150 to 5250	Pass
		5260	20	102	5260.020	5250 to 5350	Pass
				120	5260.000	5250 to 5350	Pass
				138	5260.020	5250 to 5350	Pass
			-30	120	5260.060	5250 to 5350	Pass
			-20	120	5260.000	5250 to 5350	Pass
			-10	120	5260.100	5250 to 5350	Pass
			0	120	5260.020	5250 to 5350	Pass
			10	120	5259.940	5250 to 5350	Pass
			30	120	5260.020	5250 to 5350	Pass
			40	120	5260.060	5250 to 5350	Pass
			50	120	5259.980	5250 to 5350	Pass
		5300	20	102	5300.020	5250 to 5350	Pass
				120	5300.040	5250 to 5350	Pass
				138	5299.980	5250 to 5350	Pass

			-30	120	5300.020	5250 to 5350	Pass
			-20	120	5299.920	5250 to 5350	Pass
			-10	120	5300.000	5250 to 5350	Pass
			0	120	5299.980	5250 to 5350	Pass
			10	120	5299.960	5250 to 5350	Pass
			30	120	5300.040	5250 to 5350	Pass
			40	120	5299.960	5250 to 5350	Pass
			50	120	5299.960	5250 to 5350	Pass
5320		20		102	5319.980	5250 to 5350	Pass
				120	5320.080	5250 to 5350	Pass
				138	5320.000	5250 to 5350	Pass
			-30	120	5319.980	5250 to 5350	Pass
			-20	120	5319.980	5250 to 5350	Pass
			-10	120	5320.020	5250 to 5350	Pass
			0	120	5320.000	5250 to 5350	Pass
			10	120	5319.940	5250 to 5350	Pass
			30	120	5320.000	5250 to 5350	Pass
			40	120	5320.000	5250 to 5350	Pass
			50	120	5320.000	5250 to 5350	Pass
5500		20		102	5500.000	5470 to 5725	Pass
				120	5500.060	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5499.980	5470 to 5725	Pass
			-20	120	5500.000	5470 to 5725	Pass
			-10	120	5499.980	5470 to 5725	Pass
			0	120	5499.940	5470 to 5725	Pass
			10	120	5500.020	5470 to 5725	Pass
			30	120	5500.020	5470 to 5725	Pass
			40	120	5500.020	5470 to 5725	Pass
			50	120	5500.040	5470 to 5725	Pass
5580		20		102	5580.100	5470 to 5725	Pass
				120	5580.020	5470 to 5725	Pass
				138	5580.020	5470 to 5725	Pass
			-30	120	5580.000	5470 to 5725	Pass
			-20	120	5579.980	5470 to 5725	Pass
			-10	120	5579.980	5470 to 5725	Pass
			0	120	5580.020	5470 to 5725	Pass
			10	120	5580.040	5470 to 5725	Pass
			30	120	5580.060	5470 to 5725	Pass
			40	120	5580.020	5470 to 5725	Pass
			50	120	5580.000	5470 to 5725	Pass
5700		20		102	5699.940	5470 to 5725	Pass
				120	5699.900	5470 to 5725	Pass
				138	5700.000	5470 to 5725	Pass
			-30	120	5699.940	5470 to 5725	Pass
			-20	120	5700.060	5470 to 5725	Pass
			-10	120	5699.940	5470 to 5725	Pass
			0	120	5699.960	5470 to 5725	Pass
			10	120	5699.960	5470 to 5725	Pass
			30	120	5700.000	5470 to 5725	Pass
			40	120	5699.960	5470 to 5725	Pass
			50	120	5699.980	5470 to 5725	Pass
5745		20		102	5744.960	5725 to 5850	Pass
				120	5744.940	5725 to 5850	Pass
				138	5745.020	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5744.920	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5744.960	5725 to 5850	Pass
			10	120	5744.960	5725 to 5850	Pass
			30	120	5744.940	5725 to 5850	Pass
			40	120	5745.040	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
5785		20		102	5784.940	5725 to 5850	Pass

802.11n (HT40)	SISO			120	5784.920	5725 to 5850	Pass
				138	5784.980	5725 to 5850	Pass
			-30	120	5784.980	5725 to 5850	Pass
			-20	120	5784.960	5725 to 5850	Pass
			-10	120	5784.980	5725 to 5850	Pass
			0	120	5785.080	5725 to 5850	Pass
			10	120	5784.980	5725 to 5850	Pass
			30	120	5784.980	5725 to 5850	Pass
			40	120	5784.980	5725 to 5850	Pass
			50	120	5784.920	5725 to 5850	Pass
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5824.960	5725 to 5850	Pass
				138	5825.040	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5824.940	5725 to 5850	Pass
			0	120	5825.000	5725 to 5850	Pass
			10	120	5824.980	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5824.980	5725 to 5850	Pass
			50	120	5824.980	5725 to 5850	Pass
		5190	20	102	5190.040	5150 to 5250	Pass
				120	5190.120	5150 to 5250	Pass
				138	5190.040	5150 to 5250	Pass
			-30	120	5190.000	5150 to 5250	Pass
			-20	120	5190.040	5150 to 5250	Pass
			-10	120	5190.000	5150 to 5250	Pass
			0	120	5190.000	5150 to 5250	Pass
			10	120	5190.000	5150 to 5250	Pass
			30	120	5190.000	5150 to 5250	Pass
			40	120	5190.000	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5230.080	5150 to 5250	Pass
				120	5230.120	5150 to 5250	Pass
				138	5230.000	5150 to 5250	Pass
			-30	120	5230.000	5150 to 5250	Pass
			-20	120	5229.960	5150 to 5250	Pass
			-10	120	5230.000	5150 to 5250	Pass
			0	120	5230.080	5150 to 5250	Pass
			10	120	5230.040	5150 to 5250	Pass
			30	120	5230.000	5150 to 5250	Pass
			40	120	5230.000	5150 to 5250	Pass
			50	120	5230.000	5150 to 5250	Pass
		5270	20	102	5270.000	5250 to 5350	Pass
				120	5270.000	5250 to 5350	Pass
				138	5270.000	5250 to 5350	Pass
			-30	120	5270.040	5250 to 5350	Pass
			-20	120	5270.000	5250 to 5350	Pass
			-10	120	5270.000	5250 to 5350	Pass
			0	120	5270.040	5250 to 5350	Pass
			10	120	5270.000	5250 to 5350	Pass
			30	120	5270.000	5250 to 5350	Pass
			40	120	5270.000	5250 to 5350	Pass
			50	120	5270.000	5250 to 5350	Pass
		5310	20	102	5310.000	5250 to 5350	Pass
				120	5310.040	5250 to 5350	Pass
				138	5310.000	5250 to 5350	Pass
			-30	120	5310.040	5250 to 5350	Pass
			-20	120	5309.960	5250 to 5350	Pass
			-10	120	5310.000	5250 to 5350	Pass
			0	120	5310.000	5250 to 5350	Pass
			10	120	5310.000	5250 to 5350	Pass
			30	120	5310.040	5250 to 5350	Pass
			40	120	5310.080	5250 to 5350	Pass

		5510	50	120	5310.040	5250 to 5350	Pass
			20	102	5510.040	5470 to 5725	Pass
				120	5510.000	5470 to 5725	Pass
				138	5510.000	5470 to 5725	Pass
			-30	120	5510.080	5470 to 5725	Pass
			-20	120	5510.000	5470 to 5725	Pass
			-10	120	5510.000	5470 to 5725	Pass
			0	120	5510.000	5470 to 5725	Pass
			10	120	5510.000	5470 to 5725	Pass
			30	120	5509.960	5470 to 5725	Pass
			40	120	5509.960	5470 to 5725	Pass
			50	120	5510.000	5470 to 5725	Pass
		5550	20	102	5550.000	5470 to 5725	Pass
				120	5550.080	5470 to 5725	Pass
				138	5550.000	5470 to 5725	Pass
				120	5550.000	5470 to 5725	Pass
			-30	120	5550.000	5470 to 5725	Pass
			-20	120	5550.000	5470 to 5725	Pass
			-10	120	5550.000	5470 to 5725	Pass
			0	120	5550.000	5470 to 5725	Pass
			10	120	5550.000	5470 to 5725	Pass
			30	120	5550.040	5470 to 5725	Pass
			40	120	5550.000	5470 to 5725	Pass
			50	120	5550.080	5470 to 5725	Pass
		5670	20	102	5669.960	5470 to 5725	Pass
				120	5669.960	5470 to 5725	Pass
				138	5670.000	5470 to 5725	Pass
				120	5670.000	5470 to 5725	Pass
			-30	120	5670.000	5470 to 5725	Pass
			-20	120	5670.000	5470 to 5725	Pass
			-10	120	5669.960	5470 to 5725	Pass
			0	120	5670.000	5470 to 5725	Pass
			10	120	5670.000	5470 to 5725	Pass
			30	120	5670.040	5470 to 5725	Pass
			40	120	5670.000	5470 to 5725	Pass
			50	120	5669.960	5470 to 5725	Pass
		5755	20	102	5755.000	5725 to 5850	Pass
				120	5755.000	5725 to 5850	Pass
				138	5754.960	5725 to 5850	Pass
				120	5754.960	5725 to 5850	Pass
			-30	120	5754.960	5725 to 5850	Pass
			-20	120	5755.000	5725 to 5850	Pass
			-10	120	5755.040	5725 to 5850	Pass
			0	120	5754.960	5725 to 5850	Pass
			10	120	5754.960	5725 to 5850	Pass
			30	120	5755.000	5725 to 5850	Pass
			40	120	5754.960	5725 to 5850	Pass
			50	120	5755.000	5725 to 5850	Pass
		5795	20	102	5795.000	5725 to 5850	Pass
				120	5794.960	5725 to 5850	Pass
				138	5795.000	5725 to 5850	Pass
				120	5794.960	5725 to 5850	Pass
			-30	120	5794.960	5725 to 5850	Pass
			-20	120	5794.960	5725 to 5850	Pass
			-10	120	5794.920	5725 to 5850	Pass
			0	120	5795.000	5725 to 5850	Pass
			10	120	5794.920	5725 to 5850	Pass
			30	120	5795.000	5725 to 5850	Pass
			40	120	5795.000	5725 to 5850	Pass
			50	120	5795.000	5725 to 5850	Pass
802.11ac (VHT20)	SISO	5180	20	102	5180.040	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				138	5179.960	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
			-30	120	5180.000	5150 to 5250	Pass
			-20	120	5180.060	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5179.980	5150 to 5250	Pass
			10	120	5180.080	5150 to 5250	Pass

			30	120	5179.940	5150 to 5250	Pass
			40	120	5180.060	5150 to 5250	Pass
			50	120	5180.000	5150 to 5250	Pass
		5200	20	102	5199.940	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				138	5200.040	5150 to 5250	Pass
			-30	120	5200.060	5150 to 5250	Pass
			-20	120	5199.920	5150 to 5250	Pass
			-10	120	5200.060	5150 to 5250	Pass
			0	120	5200.040	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass
			30	120	5200.000	5150 to 5250	Pass
			40	120	5200.000	5150 to 5250	Pass
			50	120	5200.040	5150 to 5250	Pass
		5240	20	102	5240.000	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass
			-30	120	5239.980	5150 to 5250	Pass
			-20	120	5239.980	5150 to 5250	Pass
			-10	120	5239.960	5150 to 5250	Pass
			0	120	5240.040	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5240.020	5150 to 5250	Pass
			40	120	5240.000	5150 to 5250	Pass
			50	120	5239.980	5150 to 5250	Pass
		5260	20	102	5260.020	5250 to 5350	Pass
				120	5260.060	5250 to 5350	Pass
				138	5259.960	5250 to 5350	Pass
			-30	120	5260.000	5250 to 5350	Pass
			-20	120	5259.980	5250 to 5350	Pass
			-10	120	5260.020	5250 to 5350	Pass
			0	120	5260.000	5250 to 5350	Pass
			10	120	5259.980	5250 to 5350	Pass
			30	120	5260.040	5250 to 5350	Pass
			40	120	5260.000	5250 to 5350	Pass
			50	120	5260.040	5250 to 5350	Pass
		5300	20	102	5299.980	5250 to 5350	Pass
				120	5300.020	5250 to 5350	Pass
				138	5300.000	5250 to 5350	Pass
			-30	120	5300.020	5250 to 5350	Pass
			-20	120	5300.040	5250 to 5350	Pass
			-10	120	5300.060	5250 to 5350	Pass
			0	120	5300.020	5250 to 5350	Pass
			10	120	5299.960	5250 to 5350	Pass
			30	120	5299.940	5250 to 5350	Pass
			40	120	5299.980	5250 to 5350	Pass
			50	120	5300.040	5250 to 5350	Pass
		5320	20	102	5319.960	5250 to 5350	Pass
				120	5320.020	5250 to 5350	Pass
				138	5320.000	5250 to 5350	Pass
			-30	120	5319.980	5250 to 5350	Pass
			-20	120	5320.020	5250 to 5350	Pass
			-10	120	5319.960	5250 to 5350	Pass
			0	120	5319.980	5250 to 5350	Pass
			10	120	5320.020	5250 to 5350	Pass
			30	120	5319.980	5250 to 5350	Pass
			40	120	5319.980	5250 to 5350	Pass
			50	120	5320.040	5250 to 5350	Pass
		5500	20	102	5499.980	5470 to 5725	Pass
				120	5500.020	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5500.040	5470 to 5725	Pass
			-20	120	5499.980	5470 to 5725	Pass
			-10	120	5499.960	5470 to 5725	Pass

			0	120	5500.000	5470 to 5725	Pass	
				10	120	5500.060	5470 to 5725	Pass
				30	120	5500.040	5470 to 5725	Pass
				40	120	5500.020	5470 to 5725	Pass
				50	120	5499.980	5470 to 5725	Pass
		5580	20	102	5580.040	5470 to 5725	Pass	
				120	5580.040	5470 to 5725	Pass	
				138	5579.980	5470 to 5725	Pass	
			-30	120	5580.020	5470 to 5725	Pass	
			-20	120	5580.020	5470 to 5725	Pass	
			-10	120	5580.040	5470 to 5725	Pass	
			0	120	5579.980	5470 to 5725	Pass	
			10	120	5580.040	5470 to 5725	Pass	
			30	120	5580.040	5470 to 5725	Pass	
			40	120	5580.040	5470 to 5725	Pass	
			50	120	5580.060	5470 to 5725	Pass	
			5700	20	102	5700.000	5470 to 5725	Pass
					120	5699.920	5470 to 5725	Pass
					138	5700.000	5470 to 5725	Pass
				-30	120	5699.940	5470 to 5725	Pass
		-20		120	5699.980	5470 to 5725	Pass	
		-10		120	5700.000	5470 to 5725	Pass	
		0		120	5699.980	5470 to 5725	Pass	
		10		120	5699.940	5470 to 5725	Pass	
		30		120	5700.000	5470 to 5725	Pass	
		40		120	5699.920	5470 to 5725	Pass	
		50		120	5699.980	5470 to 5725	Pass	
		5745	20	102	5744.900	5725 to 5850	Pass	
				120	5744.940	5725 to 5850	Pass	
				138	5744.960	5725 to 5850	Pass	
			-30	120	5745.040	5725 to 5850	Pass	
			-20	120	5744.920	5725 to 5850	Pass	
			-10	120	5744.960	5725 to 5850	Pass	
			0	120	5745.020	5725 to 5850	Pass	
			10	120	5744.940	5725 to 5850	Pass	
			30	120	5745.040	5725 to 5850	Pass	
			40	120	5745.000	5725 to 5850	Pass	
			50	120	5745.000	5725 to 5850	Pass	
		5785	20	102	5785.040	5725 to 5850	Pass	
				120	5784.980	5725 to 5850	Pass	
				138	5785.000	5725 to 5850	Pass	
			-30	120	5784.980	5725 to 5850	Pass	
			-20	120	5785.000	5725 to 5850	Pass	
			-10	120	5785.000	5725 to 5850	Pass	
			0	120	5784.920	5725 to 5850	Pass	
			10	120	5784.940	5725 to 5850	Pass	
			30	120	5784.960	5725 to 5850	Pass	
			40	120	5784.940	5725 to 5850	Pass	
			50	120	5785.000	5725 to 5850	Pass	
		5825	20	102	5825.100	5725 to 5850	Pass	
				120	5825.020	5725 to 5850	Pass	
				138	5824.960	5725 to 5850	Pass	
			-30	120	5825.020	5725 to 5850	Pass	
			-20	120	5825.000	5725 to 5850	Pass	
			-10	120	5825.000	5725 to 5850	Pass	
0	120		5825.040	5725 to 5850	Pass			
10	120		5824.980	5725 to 5850	Pass			
30	120		5824.980	5725 to 5850	Pass			
40	120		5825.000	5725 to 5850	Pass			
50	120		5824.980	5725 to 5850	Pass			
802.11ac (VHT40)	SISO	5190	20	102	5190.040	5150 to 5250	Pass	
				120	5190.000	5150 to 5250	Pass	
				138	5190.040	5150 to 5250	Pass	
			-30	120	5189.960	5150 to 5250	Pass	

			-20	120	5190.000	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.040	5150 to 5250	Pass
			10	120	5189.960	5150 to 5250	Pass
			30	120	5190.000	5150 to 5250	Pass
			40	120	5190.040	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5230.040	5150 to 5250	Pass
				120	5230.040	5150 to 5250	Pass
				138	5230.000	5150 to 5250	Pass
			-30	120	5230.000	5150 to 5250	Pass
			-20	120	5230.120	5150 to 5250	Pass
			-10	120	5230.000	5150 to 5250	Pass
			0	120	5230.000	5150 to 5250	Pass
			10	120	5230.040	5150 to 5250	Pass
			30	120	5230.000	5150 to 5250	Pass
			40	120	5230.000	5150 to 5250	Pass
			50	120	5230.000	5150 to 5250	Pass
		5270	20	102	5270.040	5250 to 5350	Pass
				120	5270.040	5250 to 5350	Pass
				138	5270.000	5250 to 5350	Pass
			-30	120	5270.000	5250 to 5350	Pass
			-20	120	5269.960	5250 to 5350	Pass
			-10	120	5270.000	5250 to 5350	Pass
			0	120	5270.000	5250 to 5350	Pass
			10	120	5270.000	5250 to 5350	Pass
			30	120	5270.040	5250 to 5350	Pass
			40	120	5270.000	5250 to 5350	Pass
			50	120	5270.040	5250 to 5350	Pass
		5310	20	102	5310.040	5250 to 5350	Pass
				120	5310.000	5250 to 5350	Pass
				138	5310.040	5250 to 5350	Pass
			-30	120	5310.040	5250 to 5350	Pass
			-20	120	5310.080	5250 to 5350	Pass
			-10	120	5310.080	5250 to 5350	Pass
			0	120	5310.000	5250 to 5350	Pass
			10	120	5310.000	5250 to 5350	Pass
			30	120	5310.000	5250 to 5350	Pass
			40	120	5310.000	5250 to 5350	Pass
			50	120	5310.040	5250 to 5350	Pass
		5510	20	102	5510.040	5470 to 5725	Pass
				120	5510.000	5470 to 5725	Pass
				138	5510.000	5470 to 5725	Pass
			-30	120	5510.000	5470 to 5725	Pass
			-20	120	5510.000	5470 to 5725	Pass
			-10	120	5510.000	5470 to 5725	Pass
			0	120	5510.000	5470 to 5725	Pass
			10	120	5510.000	5470 to 5725	Pass
			30	120	5510.000	5470 to 5725	Pass
			40	120	5510.000	5470 to 5725	Pass
			50	120	5510.040	5470 to 5725	Pass
		5550	20	102	5550.000	5470 to 5725	Pass
				120	5550.000	5470 to 5725	Pass
				138	5550.040	5470 to 5725	Pass
			-30	120	5550.040	5470 to 5725	Pass
			-20	120	5550.000	5470 to 5725	Pass
			-10	120	5550.040	5470 to 5725	Pass
			0	120	5550.040	5470 to 5725	Pass
			10	120	5550.080	5470 to 5725	Pass
			30	120	5550.040	5470 to 5725	Pass
			40	120	5550.040	5470 to 5725	Pass
			50	120	5550.000	5470 to 5725	Pass
		5670	20	102	5670.000	5470 to 5725	Pass
				120	5670.000	5470 to 5725	Pass

				138	5670.000	5470 to 5725	Pass
			-30	120	5670.000	5470 to 5725	Pass
			-20	120	5670.040	5470 to 5725	Pass
			-10	120	5670.000	5470 to 5725	Pass
			0	120	5670.040	5470 to 5725	Pass
			10	120	5670.000	5470 to 5725	Pass
			30	120	5670.080	5470 to 5725	Pass
			40	120	5670.000	5470 to 5725	Pass
			50	120	5670.040	5470 to 5725	Pass
		5755	20	102	5755.000	5725 to 5850	Pass
				120	5755.000	5725 to 5850	Pass
				138	5755.000	5725 to 5850	Pass
			-30	120	5754.960	5725 to 5850	Pass
			-20	120	5754.960	5725 to 5850	Pass
			-10	120	5754.960	5725 to 5850	Pass
			0	120	5755.000	5725 to 5850	Pass
			10	120	5755.000	5725 to 5850	Pass
			30	120	5755.000	5725 to 5850	Pass
			40	120	5755.000	5725 to 5850	Pass
			50	120	5755.000	5725 to 5850	Pass
		5795	20	102	5795.000	5725 to 5850	Pass
				120	5795.000	5725 to 5850	Pass
				138	5795.040	5725 to 5850	Pass
			-30	120	5795.000	5725 to 5850	Pass
			-20	120	5795.000	5725 to 5850	Pass
			-10	120	5794.920	5725 to 5850	Pass
			0	120	5795.000	5725 to 5850	Pass
			10	120	5795.000	5725 to 5850	Pass
			30	120	5795.000	5725 to 5850	Pass
			40	120	5795.000	5725 to 5850	Pass
			50	120	5795.000	5725 to 5850	Pass

Appendix B: Photographs of Test Setup

Please refer to document Appendix No.: TCT241101E021-A

Appendix C: Photographs of EUT

Please refer to document Appendix No.: TCT241101E021-B & TCT241101E021-C

*******END OF REPORT*******