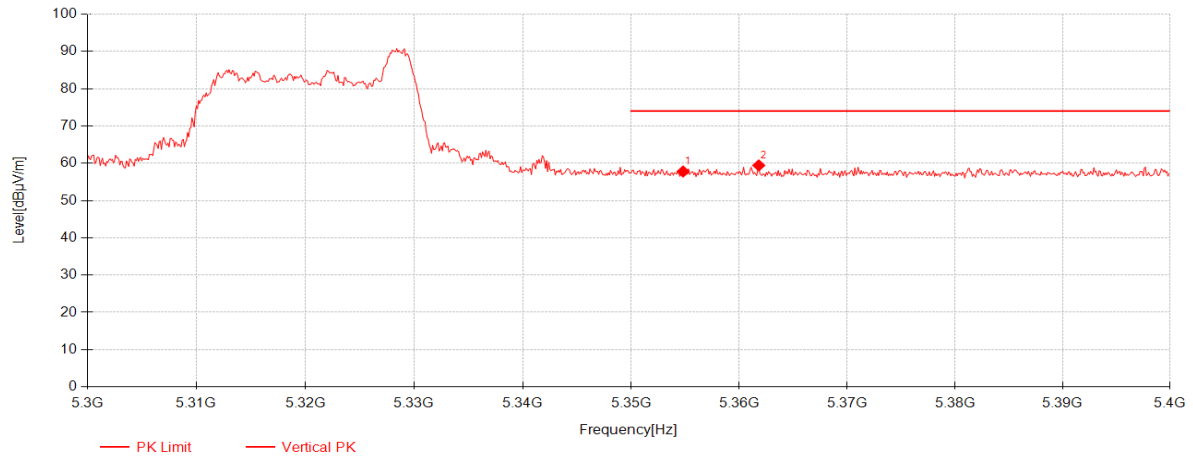
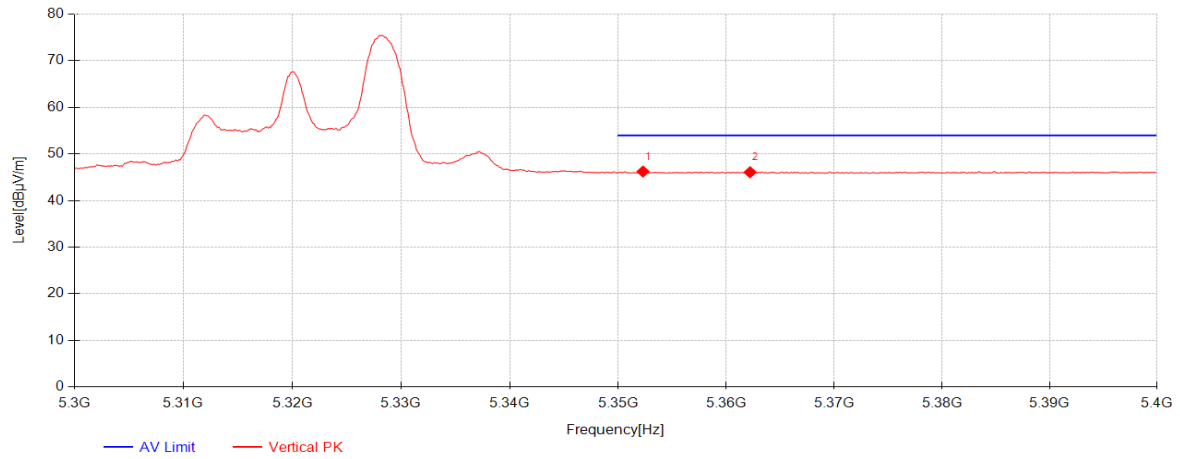


11ax(HE20)_TX_RU52_Right_CH_64_Vertical_Peak



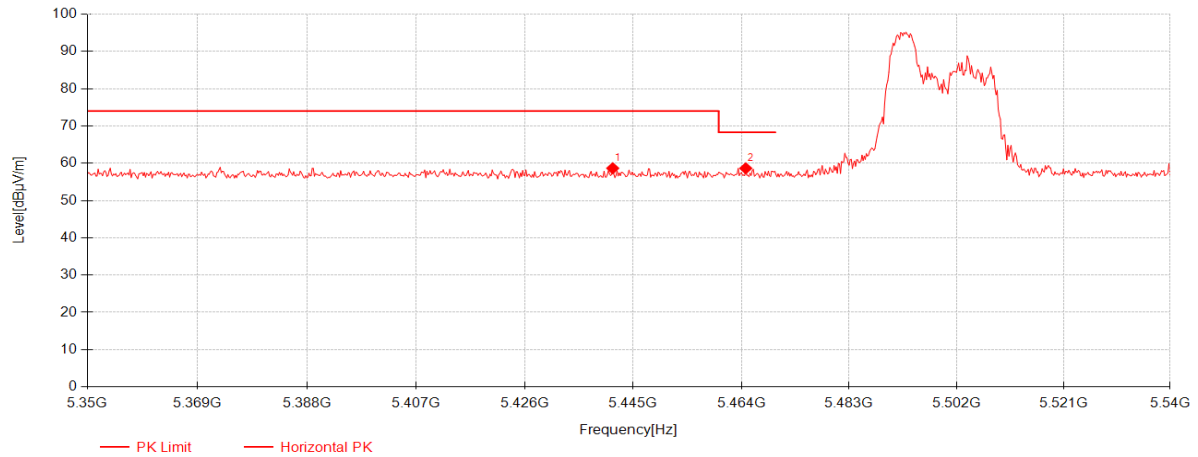
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5354.8	32.23	-12.74	57.79	74.00	16.21	Vertical
2	5361.8	32.27	-12.76	59.43	74.00	14.57	Vertical

11ax(HE20)_TX_RU52_Right_CH_64_Vertical_Average



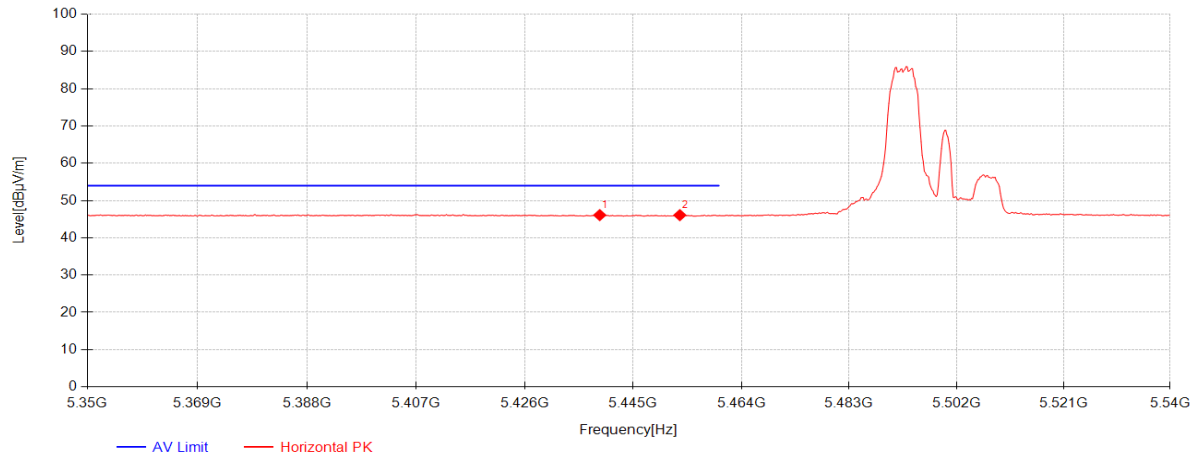
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.3	32.21	-12.73	46.23	54.00	7.77	Vertical
2	5362.2	32.27	-12.77	46.08	54.00	7.92	Vertical

11ax(HE20)_TX_RU52_Left_CH_100_Horizontal_Peak



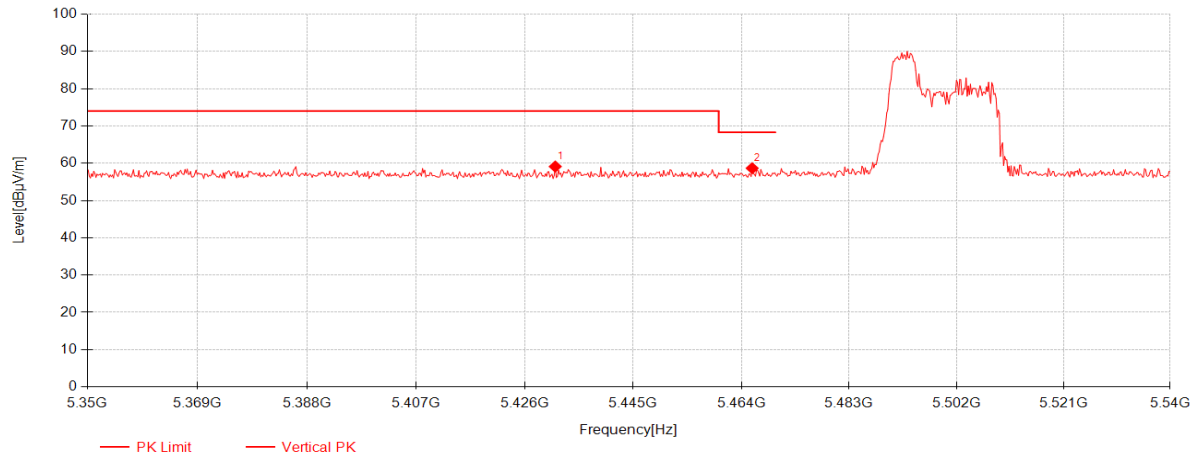
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5441.39	32.25	-12.69	58.66	74.00	15.34	Horizontal
2	5464.76	32.26	-12.58	58.65	68.30	9.65	Horizontal

11ax(HE20)_TX_RU52_Left_CH_100_Horizontal_Average



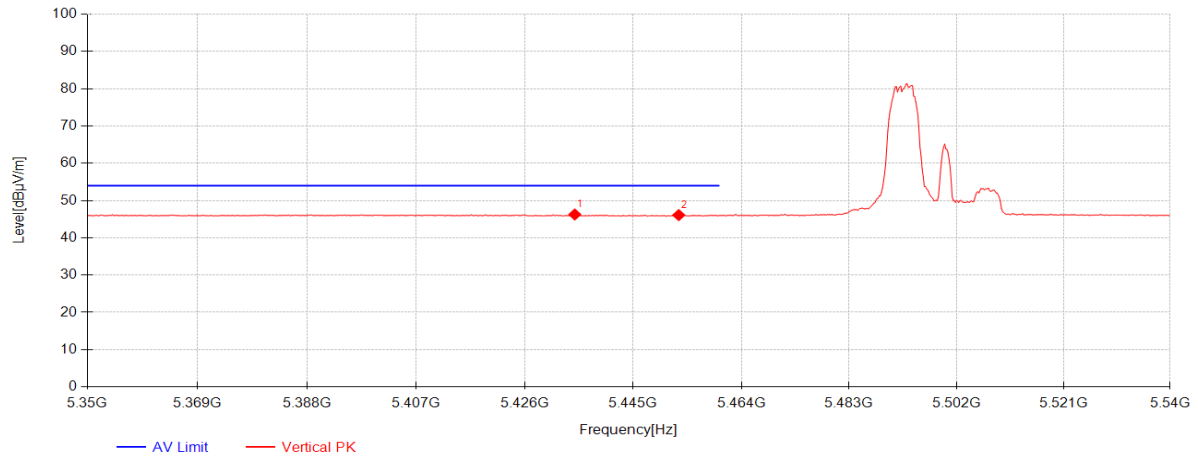
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5439.11	32.27	-12.70	46.09	54.00	7.91	Horizontal
2	5453.17	32.21	-12.63	46.08	54.00	7.92	Horizontal

11ax(HE20)_TX_RU52_Left_CH_100_Vertical_Peak



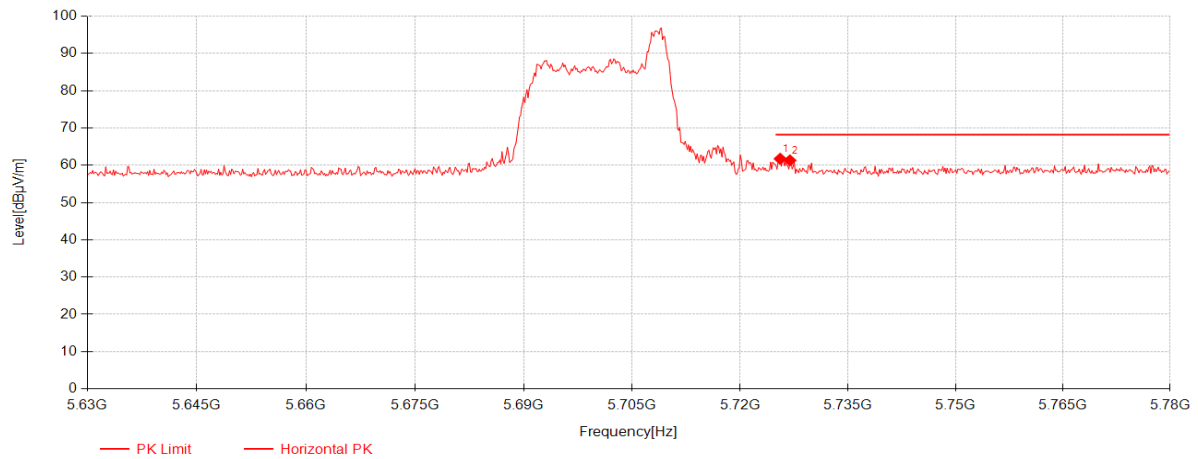
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5431.32	32.31	-12.74	59.12	74.00	14.88	Vertical
2	5465.9	32.26	-12.57	58.67	68.30	9.63	Vertical

11ax(HE20)_TX_RU52_Left_CH_100_Vertical_Average



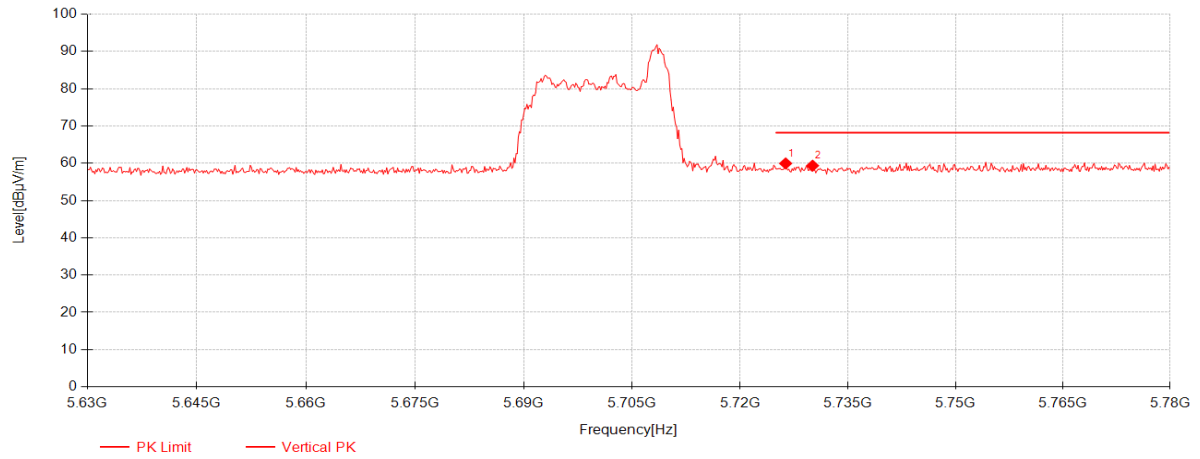
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5434.74	32.29	-12.72	46.27	54.00	7.73	Vertical
2	5452.98	32.21	-12.64	46.10	54.00	7.90	Vertical

11ax(HE20)_TX_RU52_Right_CH_140_Horizontal_Peak



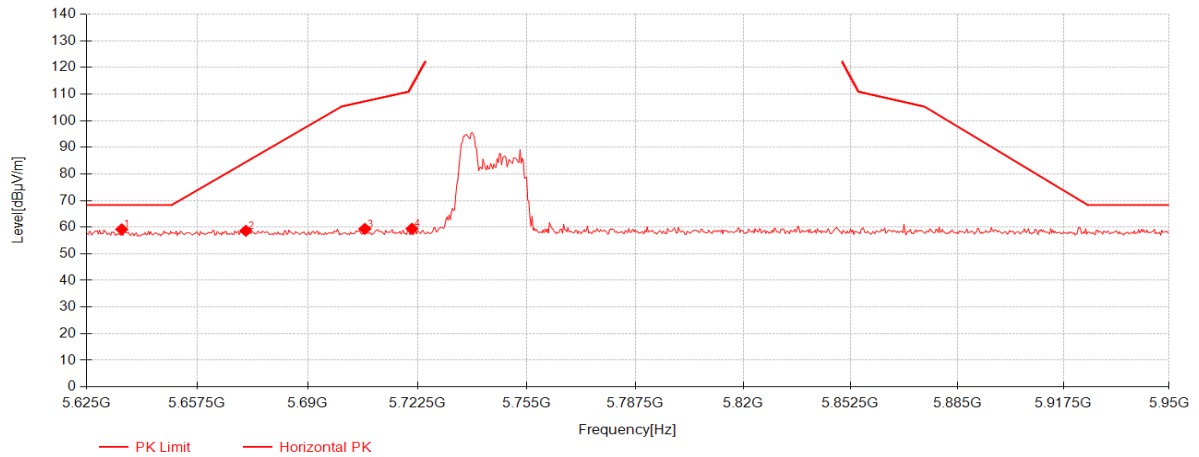
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.55	32.50	-12.26	61.74	68.20	6.46	Horizontal
2	5726.9	32.50	-12.26	61.31	68.20	6.89	Horizontal

11ax(HE20)_TX_RU52_Right_CH_140_Vertical_Peak



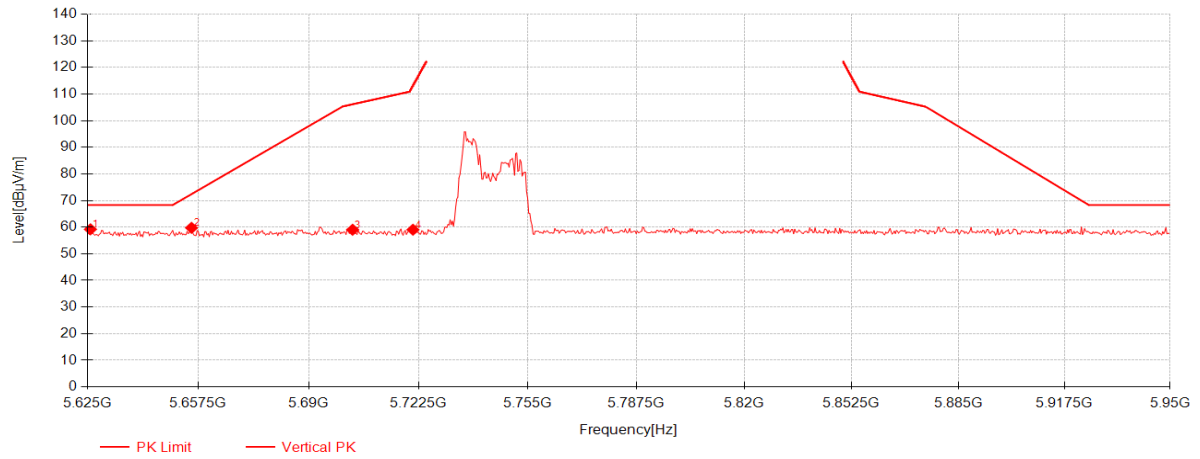
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.3	32.50	-12.26	59.96	68.20	8.24	Vertical
2	5730.05	32.50	-12.24	59.35	68.20	8.85	Vertical

11ax(HE20)_TX_RU52_Left_CH_149_Horizontal_Peak



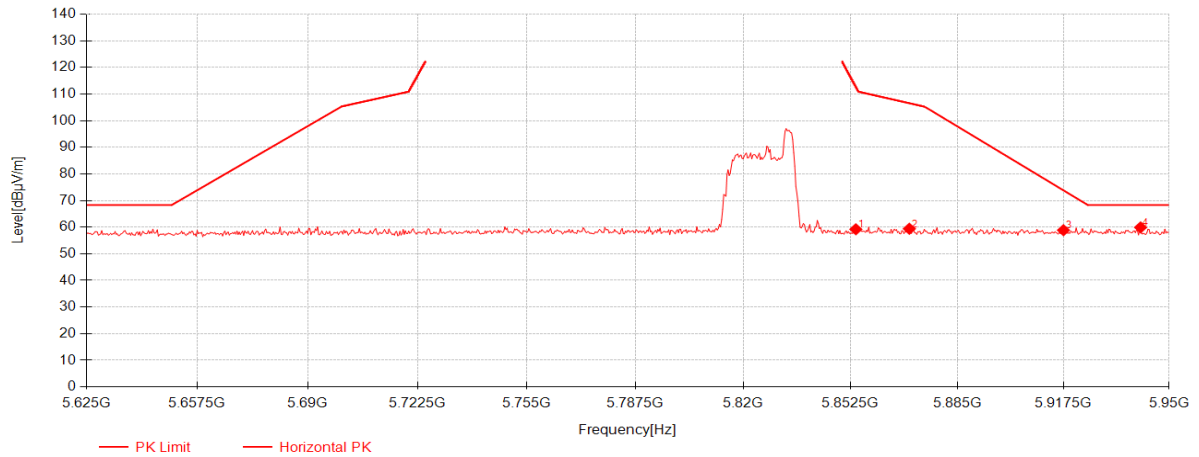
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5635.4	32.53	-12.30	59.17	68.30	9.13	Horizontal
2	5671.8	32.50	-12.33	58.64	84.47	25.83	Horizontal
3	5706.9	32.50	-12.33	59.36	107.23	47.87	Horizontal
4	5720.875	32.50	-12.28	59.44	112.90	53.46	Horizontal

11ax(HE20)_TX_RU52_Left_CH_149_Vertical_Peak



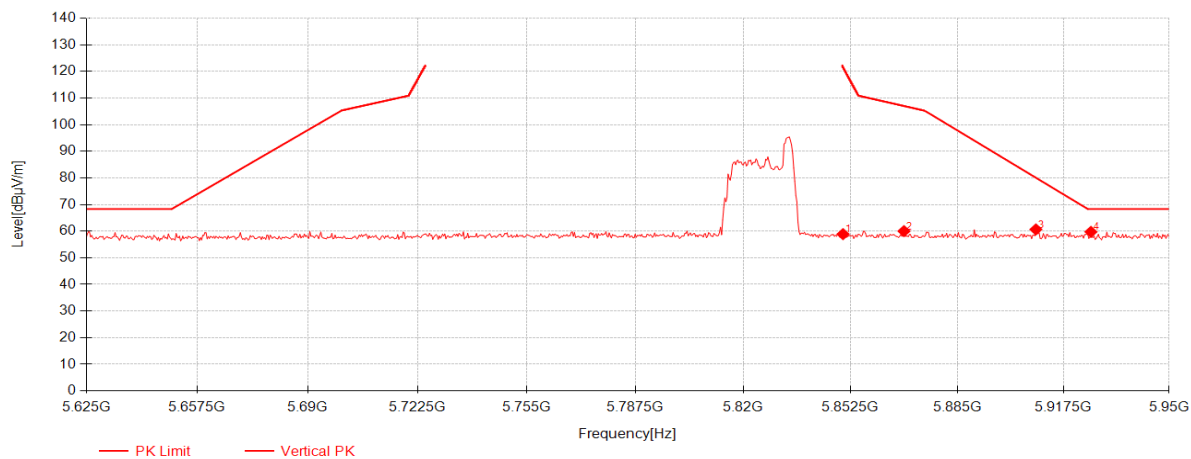
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5625.975	32.55	-12.30	59.20	68.30	9.10	Vertical
2	5655.55	32.50	-12.32	59.75	72.42	12.67	Vertical
3	5703	32.50	-12.34	59.04	106.14	47.10	Vertical
4	5720.875	32.50	-12.28	59.04	112.90	53.86	Vertical

11ax(HE20)_TX_RU52_Right_CH_165_Horizontal_Peak



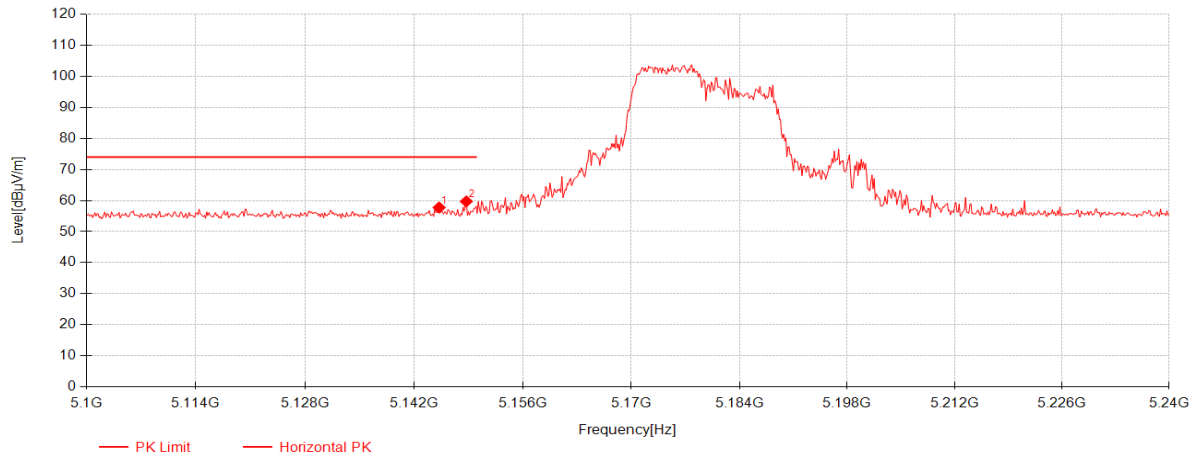
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5854.125	32.62	-12.03	59.21	112.89	53.68	Horizontal
2	5870.375	32.68	-12.04	59.40	106.59	47.19	Horizontal
3	5917.5	32.84	-12.03	58.86	73.83	14.97	Horizontal
4	5941.225	32.88	-12.00	59.91	68.30	8.39	Horizontal

11ax(HE20)_TX_RU52_Right_CH_165_Vetical_Peak



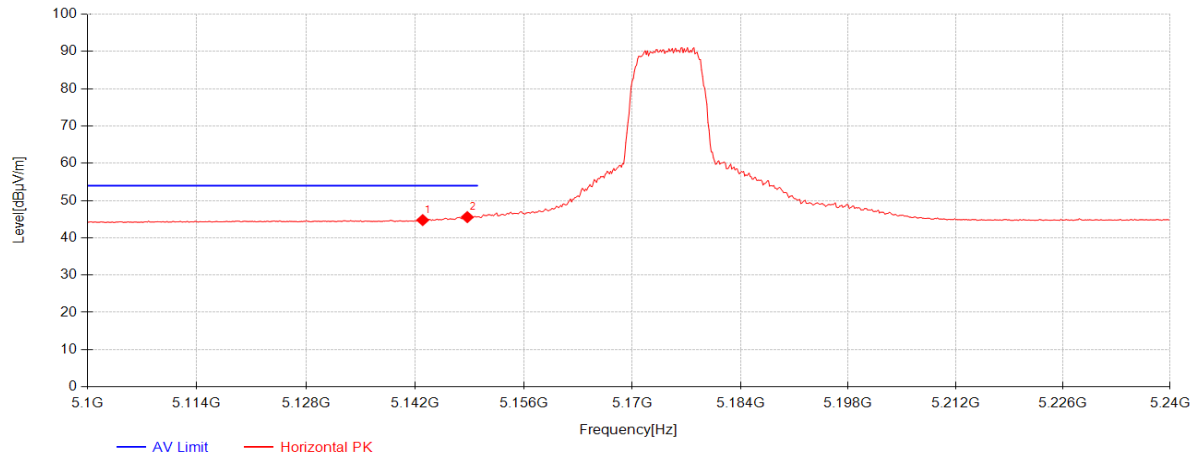
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.225	32.60	-12.03	58.88	121.79	62.91	Vertical
2	5868.75	32.68	-12.04	60.01	107.05	47.04	Vertical
3	5909.05	32.82	-12.05	60.66	80.07	19.41	Vertical
4	5925.95	32.85	-12.02	59.74	68.30	8.56	Vertical

11ax(HE20)_TX_RU106_Left_CH_36_Horizontal_Peak



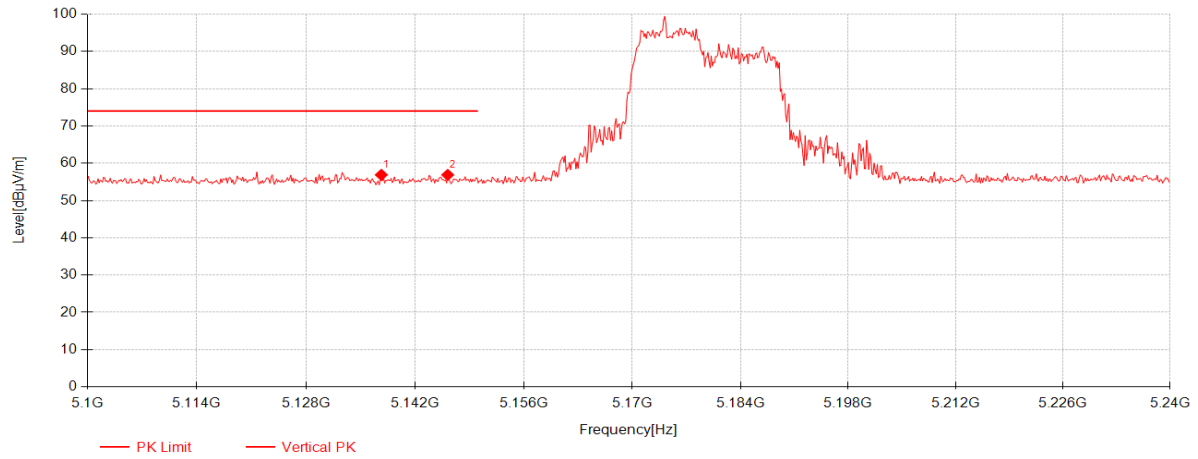
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.22	31.77	-13.06	57.75	74.00	16.25	Horizontal
2	5148.72	31.79	-13.06	59.73	74.00	14.27	Horizontal

11ax(HE20)_TX_RU106_Left_CH_36_Horizontal_Average



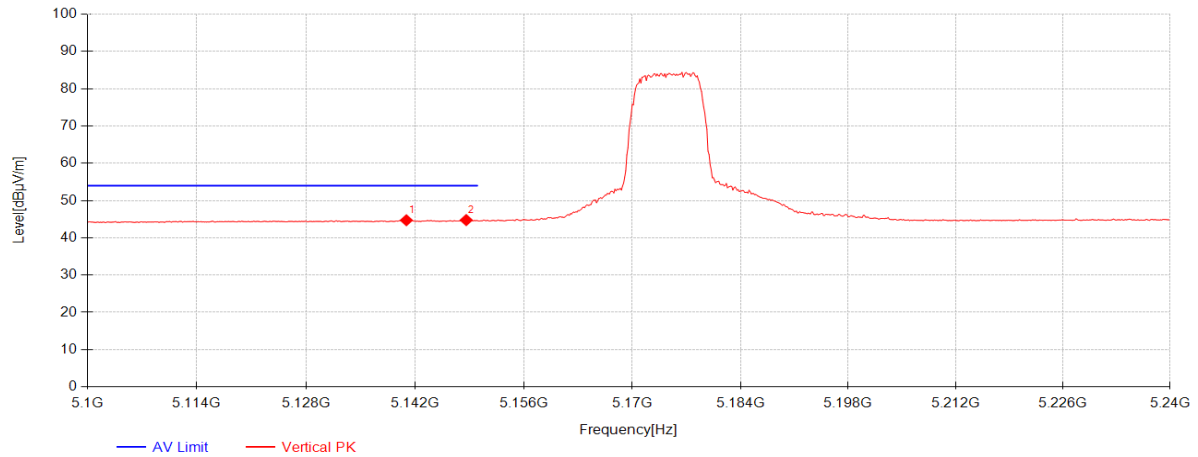
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5142.98	31.76	-13.06	44.75	54.00	9.25	Horizontal
2	5148.72	31.79	-13.06	45.55	54.00	8.45	Horizontal

11ax(HE20)_TX_RU106_Left_CH_36_Vertical_Peak



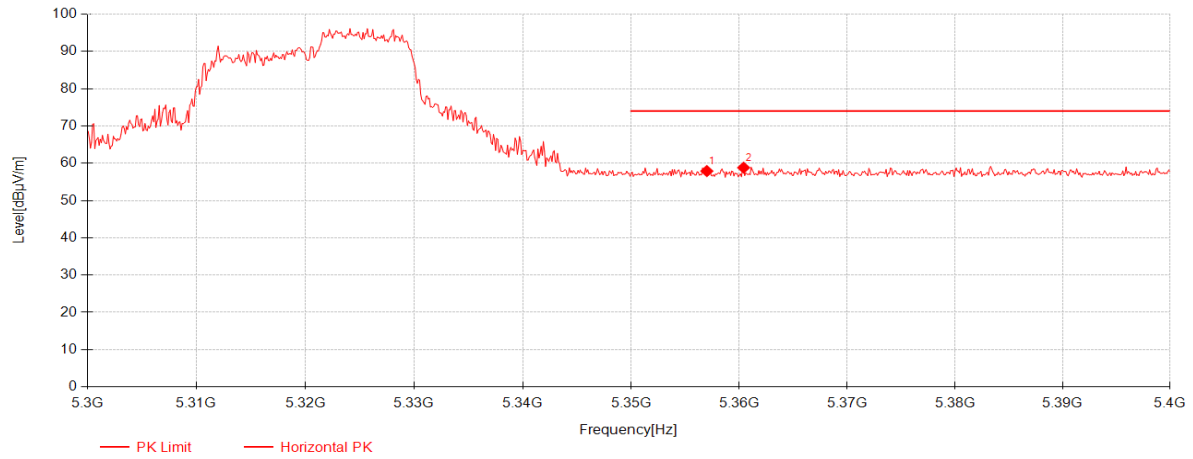
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5137.66	31.73	-13.06	56.89	74.00	17.11	Vertical
2	5146.2	31.78	-13.06	56.89	74.00	17.11	Vertical

11ax(HE20)_TX_RU106_Left_CH_36_Vertical_Average



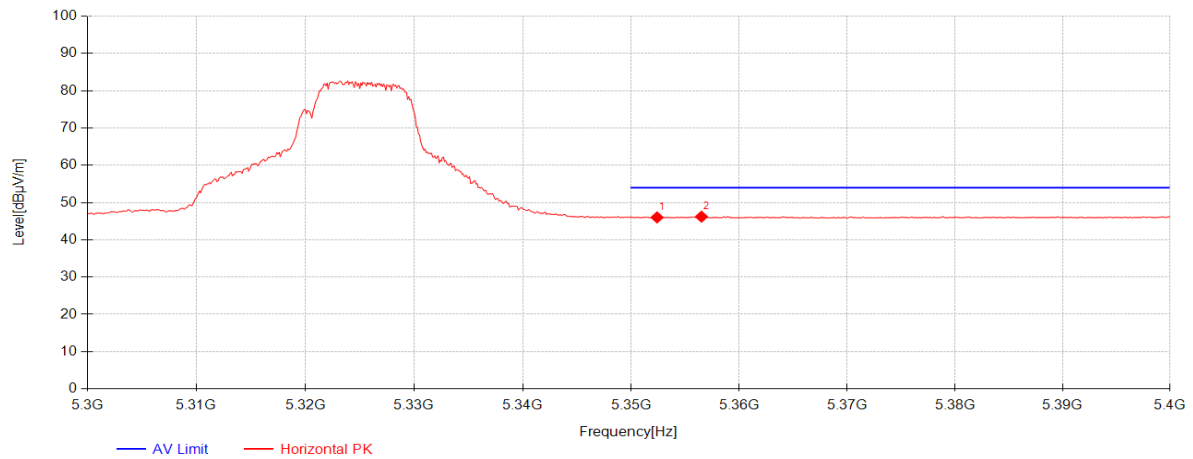
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5140.88	31.75	-13.06	44.71	54.00	9.29	Vertical
2	5148.58	31.79	-13.06	44.75	54.00	9.25	Vertical

11ax(HE20)_TX_RU106_Right_CH_64_Horizontal_Peak



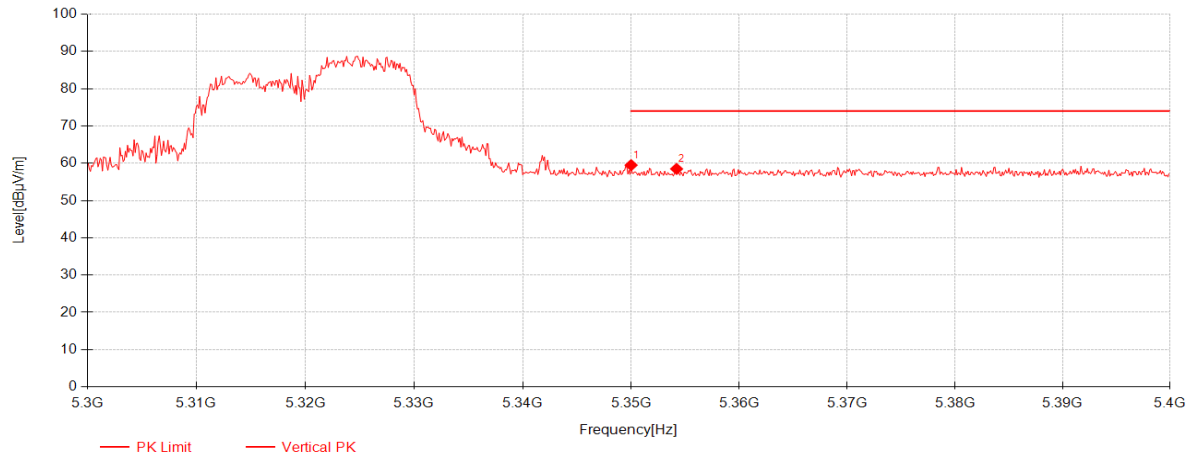
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5357	32.24	-12.75	57.91	74.00	16.09	Horizontal
2	5360.4	32.26	-12.76	58.82	74.00	15.18	Horizontal

11ax(HE20)_TX_RU106_Right_CH_64_Horizontal_Average



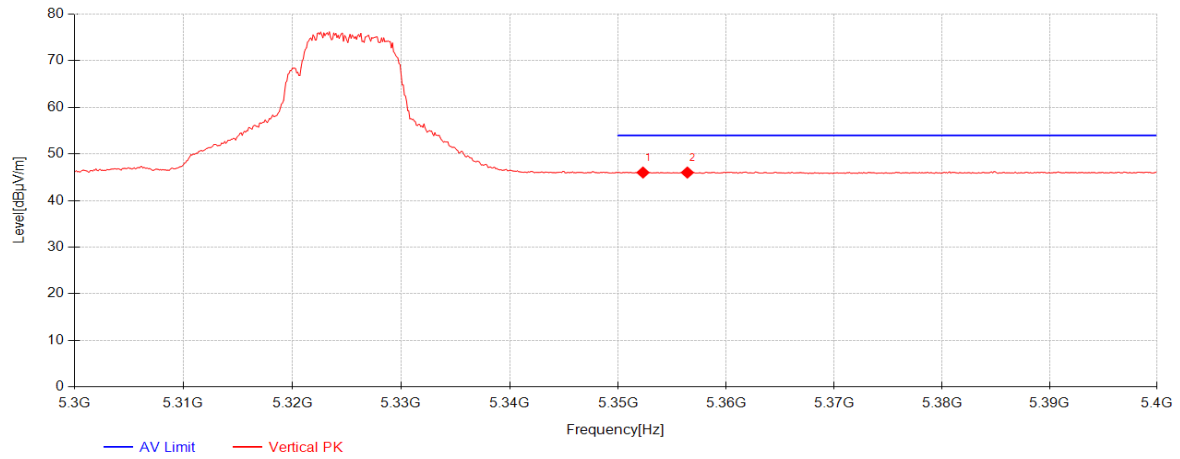
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.4	32.21	-12.73	46.01	54.00	7.99	Horizontal
2	5356.5	32.24	-12.75	46.21	54.00	7.79	Horizontal

11ax(HE20)_TX_RU106_Right_CH_64_Vertical_Peak



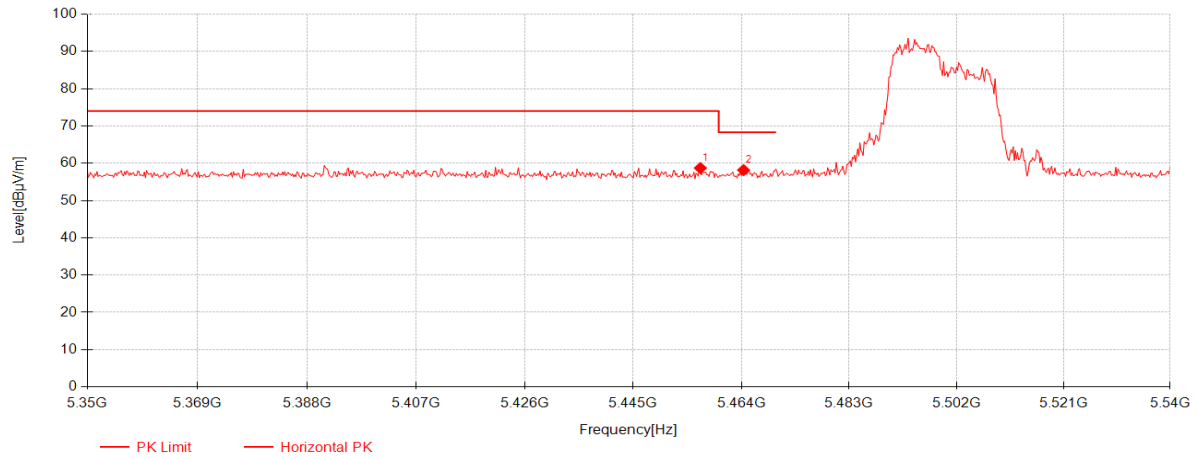
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350	32.20	-12.73	59.49	74.00	14.51	Vertical
2	5354.2	32.23	-12.74	58.49	74.00	15.51	Vertical

11ax(HE20)_TX_RU106_Right_CH_64_Vertical_Average



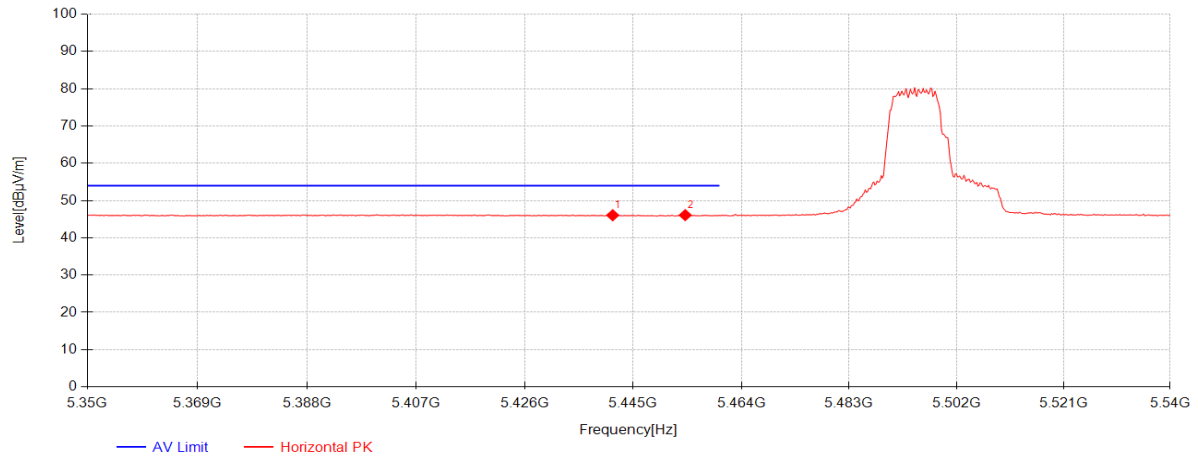
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5352.3	32.21	-12.73	46.01	54.00	7.99	Vertical
2	5356.4	32.24	-12.75	46.01	54.00	7.99	Vertical

11ax(HE20)_TX_RU106_Left_CH_100_Horizontal_Peak



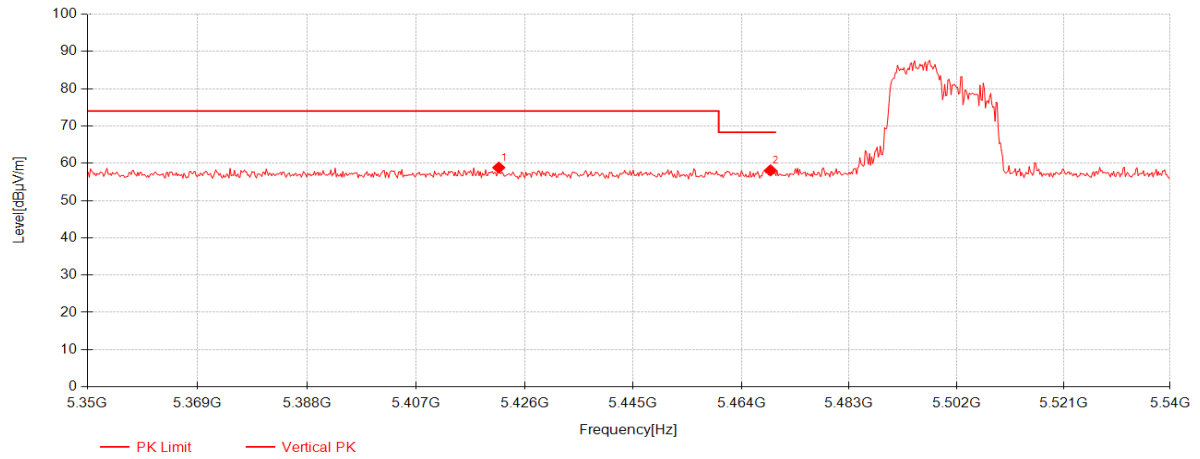
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5456.78	32.23	-12.62	58.72	74.00	15.28	Horizontal
2	5464.38	32.26	-12.58	58.17	68.30	10.13	Horizontal

11ax(HE20)_TX_RU106_Left_CH_100_Horizontal_Average



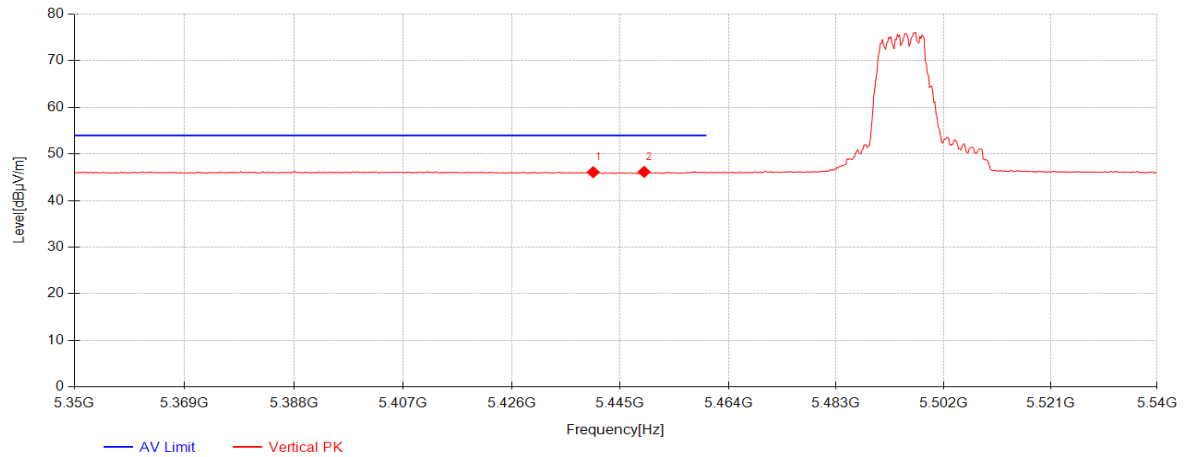
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5441.39	32.25	-12.69	46.06	54.00	7.94	Horizontal
2	5454.12	32.22	-12.63	46.09	54.00	7.91	Horizontal

11ax(HE20)_TX_RU106_Left_CH_100_Vertical_Peak



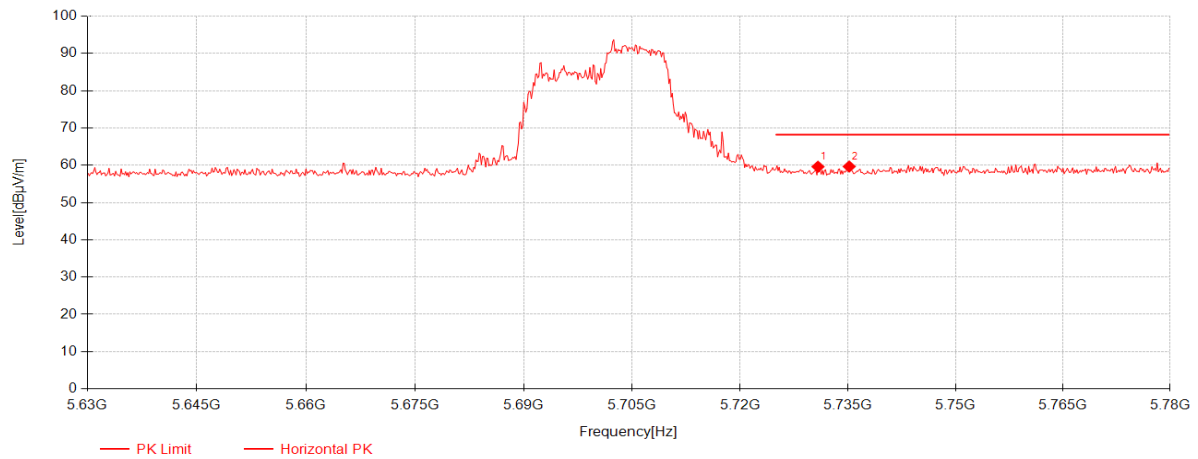
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5421.44	32.37	-12.79	58.83	74.00	15.17	Vertical
2	5469.13	32.28	-12.56	58.10	68.30	10.20	Vertical

11ax(HE20)_TX_RU106_Left_CH_100_Vertical_Average



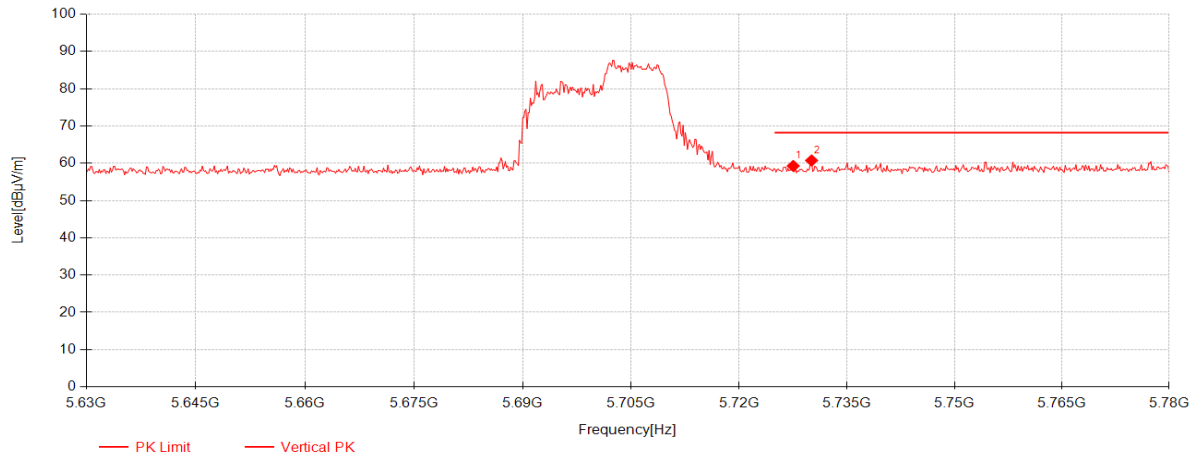
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5440.25	32.26	-12.70	46.08	54.00	7.92	Vertical
2	5449.18	32.20	-12.65	46.15	54.00	7.85	Vertical

11ax(HE20)_TX_RU106_Right_CH_140_Horizontal_Peak



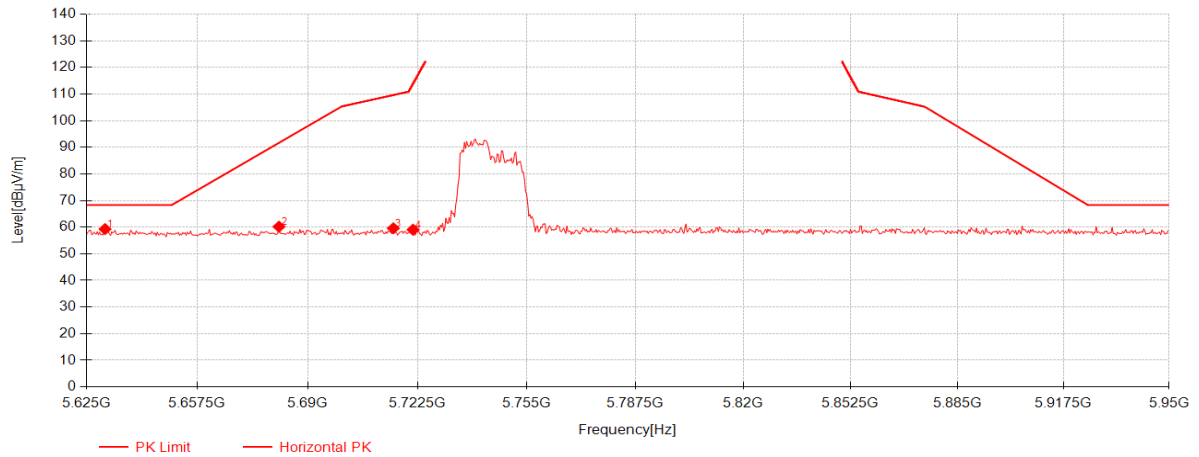
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5730.8	32.50	-12.24	59.62	68.20	8.58	Horizontal
2	5735.15	32.50	-12.23	59.66	68.20	8.54	Horizontal

11ax(HE20)_TX_RU106_Right_CH_140_Vertical_Peak



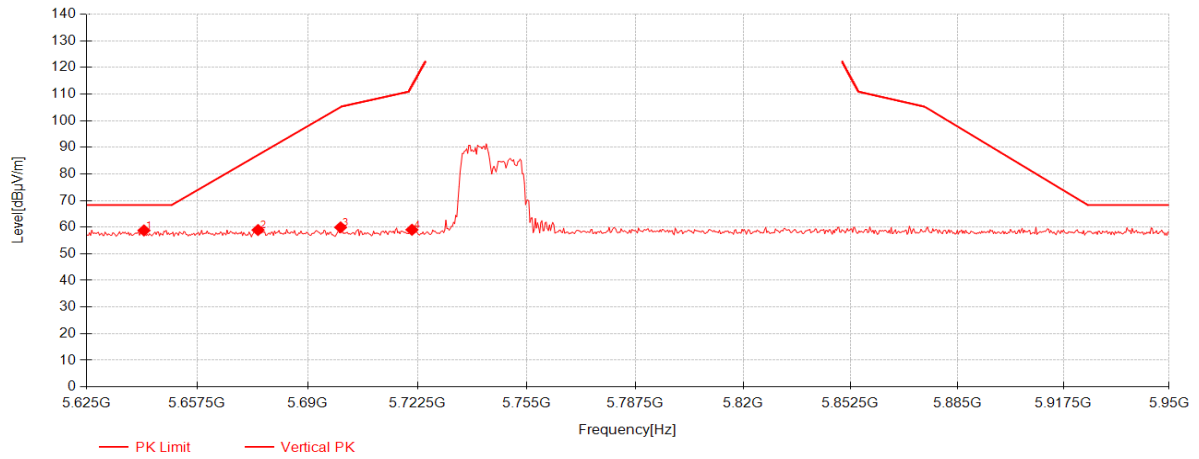
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5727.5	32.50	-12.25	59.29	68.20	8.91	Vertical
2	5730.05	32.50	-12.24	60.75	68.20	7.45	Vertical

11ax(HE20)_TX_RU106_Left_CH_149_Horizontal_Peak



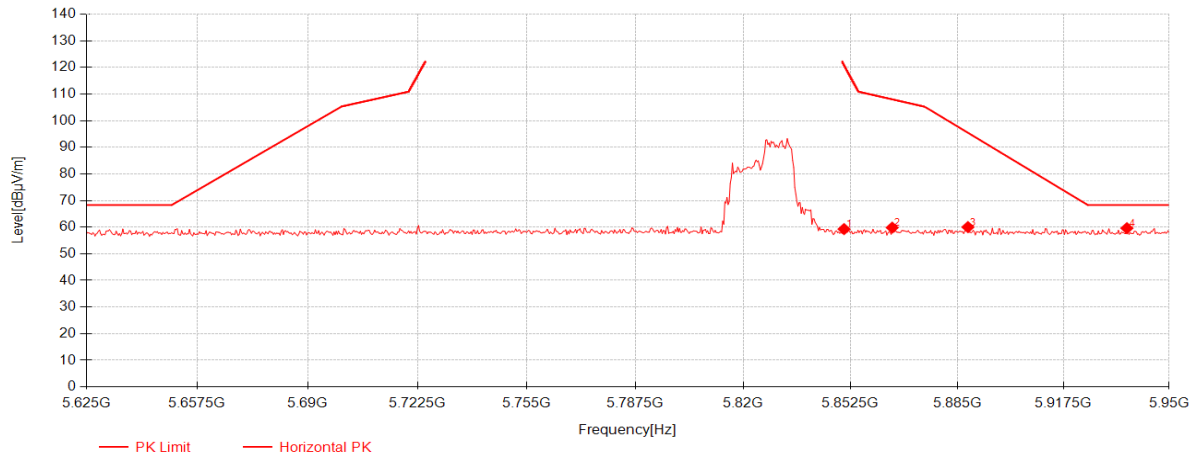
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5630.525	32.54	-12.30	59.28	68.30	9.02	Horizontal
2	5681.55	32.50	-12.34	60.19	91.68	31.49	Horizontal
3	5715.35	32.50	-12.30	59.58	109.60	50.02	Horizontal
4	5721.2	32.50	-12.28	59.04	113.64	54.60	Horizontal

11ax(HE20)_TX_RU106_Left_CH_149_Vertical_Peak



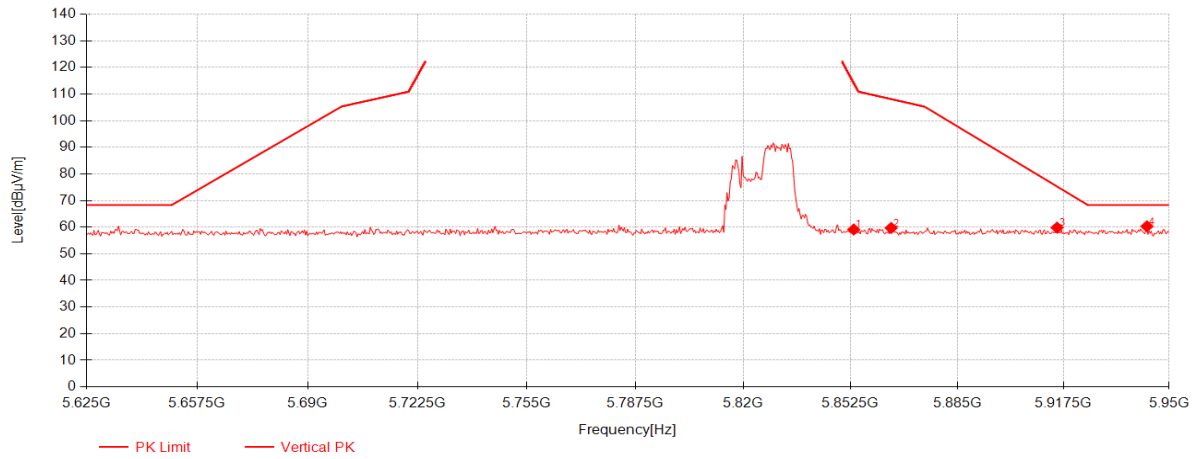
Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.9	32.52	-12.31	58.77	68.30	9.53	Vertical
2	5675.375	32.50	-12.33	58.94	87.12	28.18	Vertical
3	5699.75	32.50	-12.35	59.93	105.12	45.19	Vertical
4	5720.875	32.50	-12.28	59.02	112.90	53.88	Vertical

11ax(HE20)_TX_RU106_Right_CH_165_Horizontal_Peak



Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.55	32.60	-12.03	59.28	121.05	61.77	Horizontal
2	5865.175	32.66	-12.04	59.83	108.05	48.22	Horizontal
3	5888.25	32.75	-12.05	60.03	95.46	35.43	Horizontal
4	5937	32.87	-12.00	59.62	68.30	8.68	Horizontal

11ax(HE20)_TX_RU106_Right_CH_165_Veritical_Peak



Data List							
NO.	Frequency [MHz]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5853.475	32.61	-12.03	59.13	114.38	55.25	Vertical
2	5864.85	32.66	-12.04	59.71	108.14	48.43	Vertical
3	5915.55	32.83	-12.04	59.83	75.27	15.44	Vertical
4	5943.175	32.89	-12.00	60.31	68.30	7.99	Vertical

7.4 Duty Cycle

Test Requirement ANSI C63.10 (2020) Section 12.2

Test Method: ANSI C63.10 (2020) Section 12.2

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C

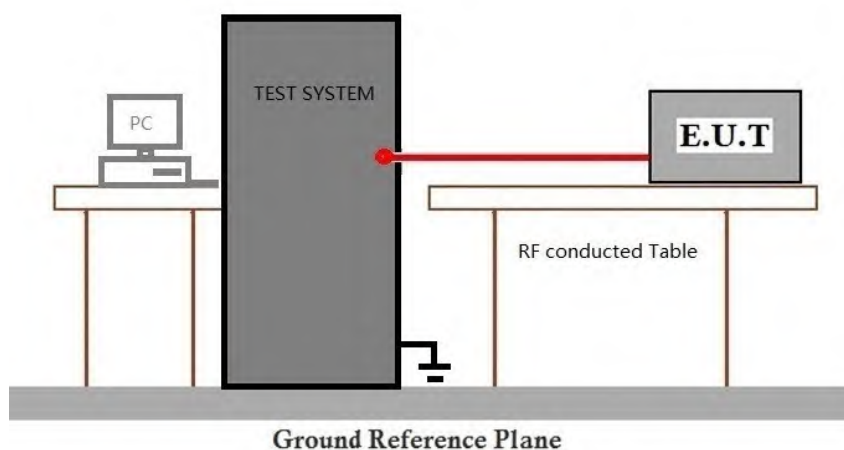
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	09	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.5 99% Bandwidth

Test Requirement ANSI C63.10 (2020) Section 12.5.3

Test Method: ANSI C63.10 (2020) Section 12.5.3

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

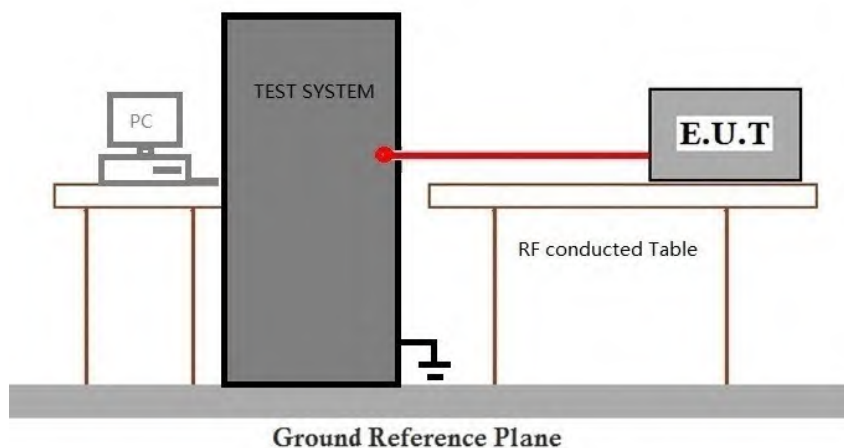
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	09	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: ANSI C63.10 (2020) Section 12.5.2

Measurement Distance: 3m

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C

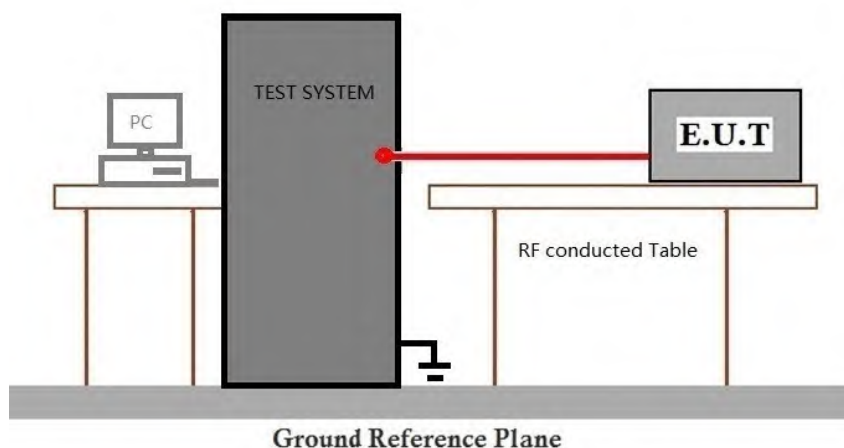
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	09	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)

Test Method: ANSI C63.10 (2020) Section 12.5.1

Limit:

Frequency band(MHz)	Limit
5725-5850	≥ 500 kHz

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C

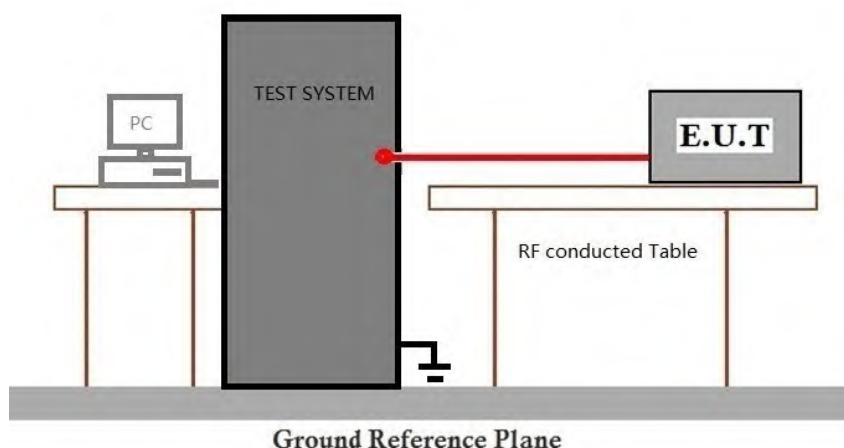
Humidity: 42 % RH

Atmospheric Pressure: 1001 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	11	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: ANSI C63.10 (2020) Section 12.4

Limit:

Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21 °C

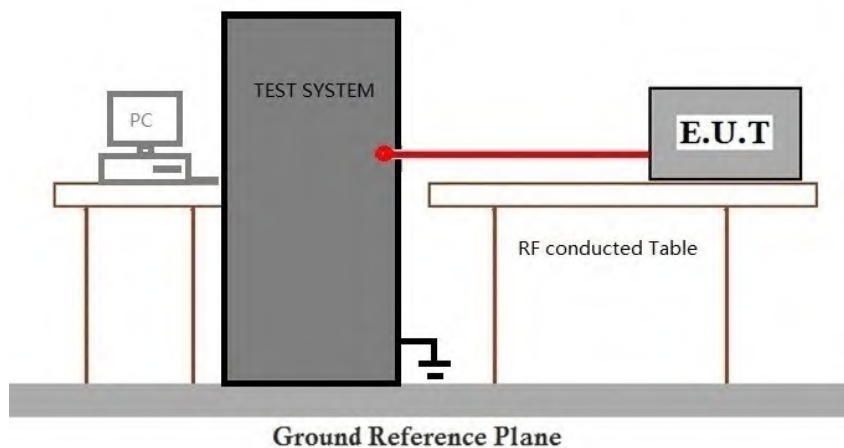
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	09	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

AV Output power Level = Reading level + Cable loss + DCCF

Please Refer to Appendix for Details

7.9 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: ANSI C63.10 (2020) Section 12.6

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

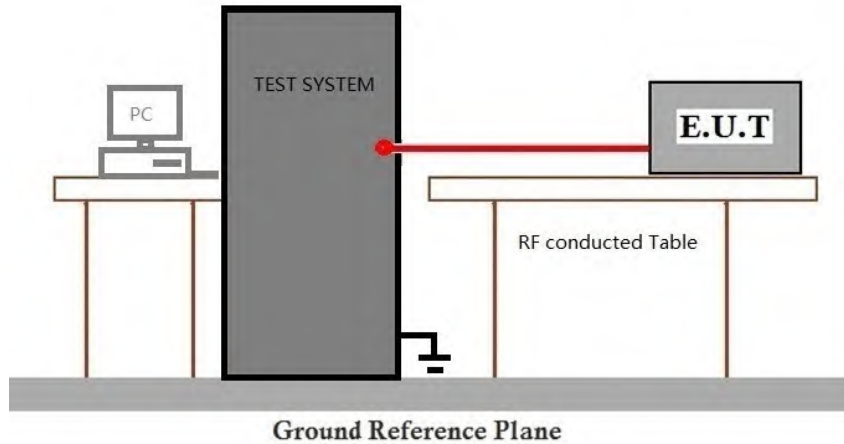
Humidity: 45 % RH

Atmospheric Pressure: 1001 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	09	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

RBW conversion factor from 300kHz to 500kHz (2.22dB) for UNII Band 3 has been considered.

Please Refer to Appendix for Details

7.10 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.			

7.10.1 E.U.T. Operation

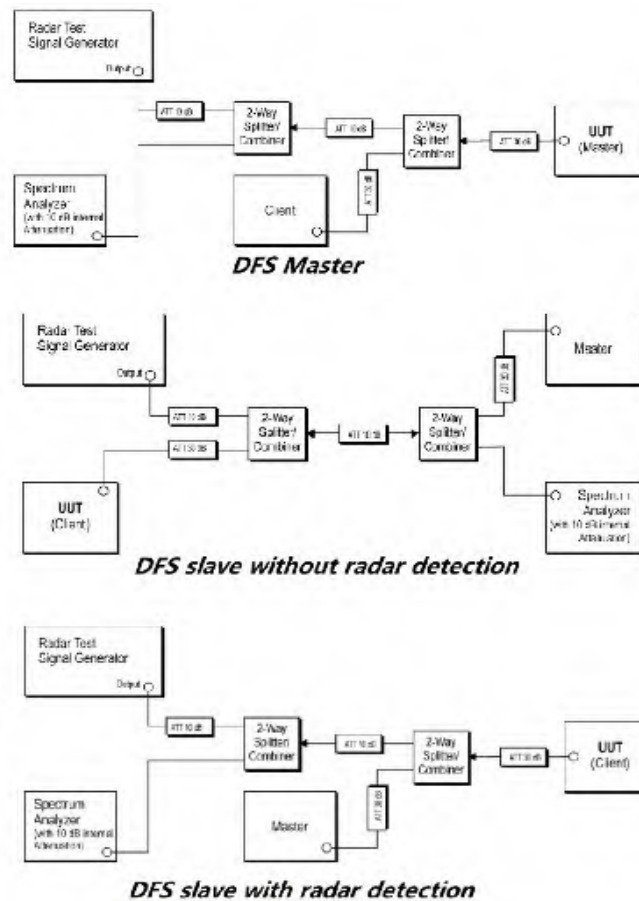
Operating Environment:

Temperature: 21 °C Humidity: 44 % RH Atmospheric Pressure: 1001 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	12	Normal operating_Keep the EUT communication with the companion

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

7.11 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.			

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

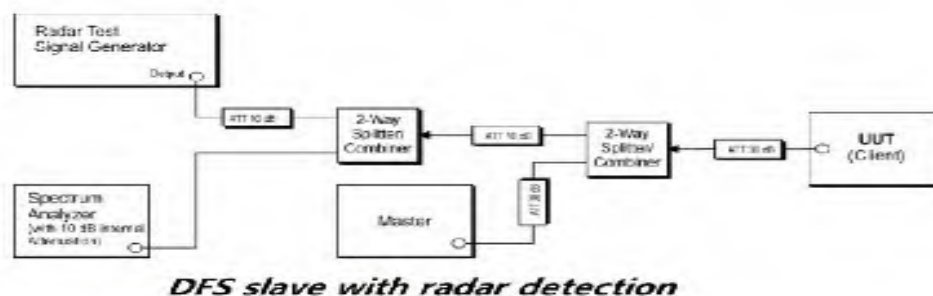
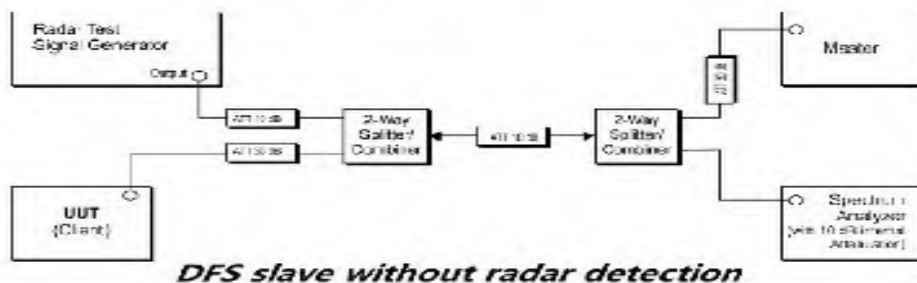
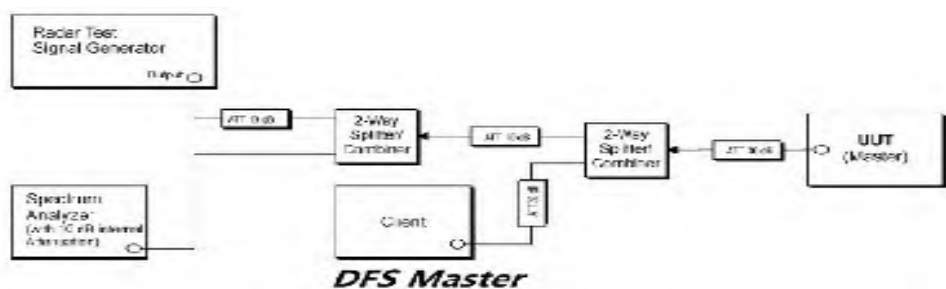
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	12	Normal operating_Keep the EUT communication with the companion

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2511001074MO

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SUCR2511001074MO

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	5.266	6.264	84.07	0.75	0.04
		5200	/	/	5.263	6.263	84.03	0.76	0.04
		5240	/	/	5.266	6.265	84.05	0.75	0.03
		5260	/	/	5.266	6.265	84.05	0.75	0.04
		5300	/	/	5.266	6.265	84.05	0.75	0.04
		5320	/	/	5.266	6.266	84.04	0.76	0.04
		5500	/	/	5.266	6.265	84.05	0.75	0.04
		5580	/	/	5.266	6.265	84.05	0.75	0.04
		5700	/	/	5.266	6.265	84.05	0.75	0.04
		5745	/	/	5.266	6.263	84.08	0.75	0.01
		5785	/	/	5.265	6.265	84.04	0.76	0.04
		5825	/	/	5.265	6.265	84.04	0.76	0.04
802.11ac (VHT20)	SISO	5180	/	/	4.883	5.883	83.00	0.81	0.07
		5200	/	/	4.886	5.884	83.04	0.81	0.04
		5240	/	/	4.885	5.883	83.04	0.81	0.04
		5260	/	/	4.885	5.886	82.99	0.81	0.04
		5300	/	/	4.885	5.884	83.02	0.81	0.04
		5320	/	/	4.885	5.883	83.04	0.81	0.04
		5500	/	/	4.883	5.884	82.99	0.81	0.04
		5580	/	/	4.886	5.884	83.04	0.81	0.04
		5700	/	/	4.885	5.884	83.02	0.81	0.04
		5745	/	/	4.885	5.884	83.02	0.81	0.04
		5785	/	/	4.885	5.883	83.04	0.81	0.04
		5825	/	/	4.885	5.886	82.99	0.81	0.04
802.11ax (HEW20)	SISO	5180	SU	/	3.720	4.720	78.81	1.03	0.03
		5200	SU	/	3.722	4.720	78.86	1.03	0.03
		5240	SU	/	3.722	4.720	78.86	1.03	0.03
		5260	SU	/	3.718	4.718	78.80	1.03	0.04

		5300	SU	/	3.720	4.720	78.81	1.03	0.03
		5320	SU	/	3.720	4.720	78.81	1.03	0.04
		5500	SU	/	3.719	4.720	78.79	1.04	0.06
		5580	SU	/	3.718	4.718	78.80	1.03	0.04
		5700	SU	/	3.720	4.720	78.81	1.03	0.04
		5745	SU	/	3.720	4.720	78.81	1.03	0.03
		5785	SU	/	3.718	4.718	78.80	1.03	0.01
		5825	SU	/	3.720	4.720	78.81	1.03	0.03

2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	17.649	/	Pass
		5200	/	/	1	17.692	/	Pass
		5240	/	/	1	17.740	/	Pass
		5260	/	/	1	17.563	/	Pass
		5300	/	/	1	17.537	/	Pass
		5320	/	/	1	17.578	/	Pass
		5500	/	/	1	17.675	/	Pass
		5580	/	/	1	17.710	/	Pass
		5700	/	/	1	16.631	/	Pass
		5745	/	/	1	17.812	/	Pass
		5785	/	/	1	17.892	/	Pass
		5825	/	/	1	17.756	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.628	/	Pass
		5200	/	/	1	18.643	/	Pass
		5240	/	/	1	18.659	/	Pass
		5260	/	/	1	18.608	/	Pass
		5300	/	/	1	18.661	/	Pass
		5320	/	/	1	18.781	/	Pass
		5500	/	/	1	18.489	/	Pass
		5580	/	/	1	18.550	/	Pass
		5700	/	/	1	18.647	/	Pass
		5745	/	/	1	18.684	/	Pass
		5785	/	/	1	18.859	/	Pass
		5825	/	/	1	18.763	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.307	/	Pass
		5200	SU	/	1	19.394	/	Pass
		5240	SU	/	1	19.387	/	Pass
		5260	SU	/	1	19.377	/	Pass
		5300	SU	/	1	19.426	/	Pass
		5320	SU	/	1	19.430	/	Pass
		5500	SU	/	1	19.306	/	Pass
		5580	SU	/	1	19.304	/	Pass
		5700	SU	/	1	19.320	/	Pass

		5745	SU	/	1	19.386	/	Pass
		5785	SU	/	1	19.343	/	Pass
		5825	SU	/	1	19.430	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	21.286	/	Pass
		5200	/	/	1	21.437	/	Pass
		5240	/	/	1	21.445	/	Pass
		5260	/	/	1	21.417	/	Pass
		5300	/	/	1	21.332	/	Pass
		5320	/	/	1	21.294	/	Pass
		5500	/	/	1	21.636	/	Pass
		5580	/	/	1	23.999	/	Pass
		5700	/	/	1	25.931	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	21.944	/	Pass
		5200	/	/	1	21.717	/	Pass
		5240	/	/	1	21.790	/	Pass
		5260	/	/	1	22.178	/	Pass
		5300	/	/	1	21.721	/	Pass
		5320	/	/	1	27.724	/	Pass
		5500	/	/	1	21.735	/	Pass
		5580	/	/	1	21.702	/	Pass
		5700	/	/	1	21.786	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	21.536	/	Pass
		5200	SU	/	1	28.724	/	Pass
		5240	SU	/	1	25.809	/	Pass
		5260	SU	/	1	21.680	/	Pass
		5300	SU	/	1	21.691	/	Pass
		5320	SU	/	1	26.111	/	Pass
		5500	SU	/	1	21.517	/	Pass
		5580	SU	/	1	21.568	/	Pass
		5700	SU	/	1	21.490	/	Pass

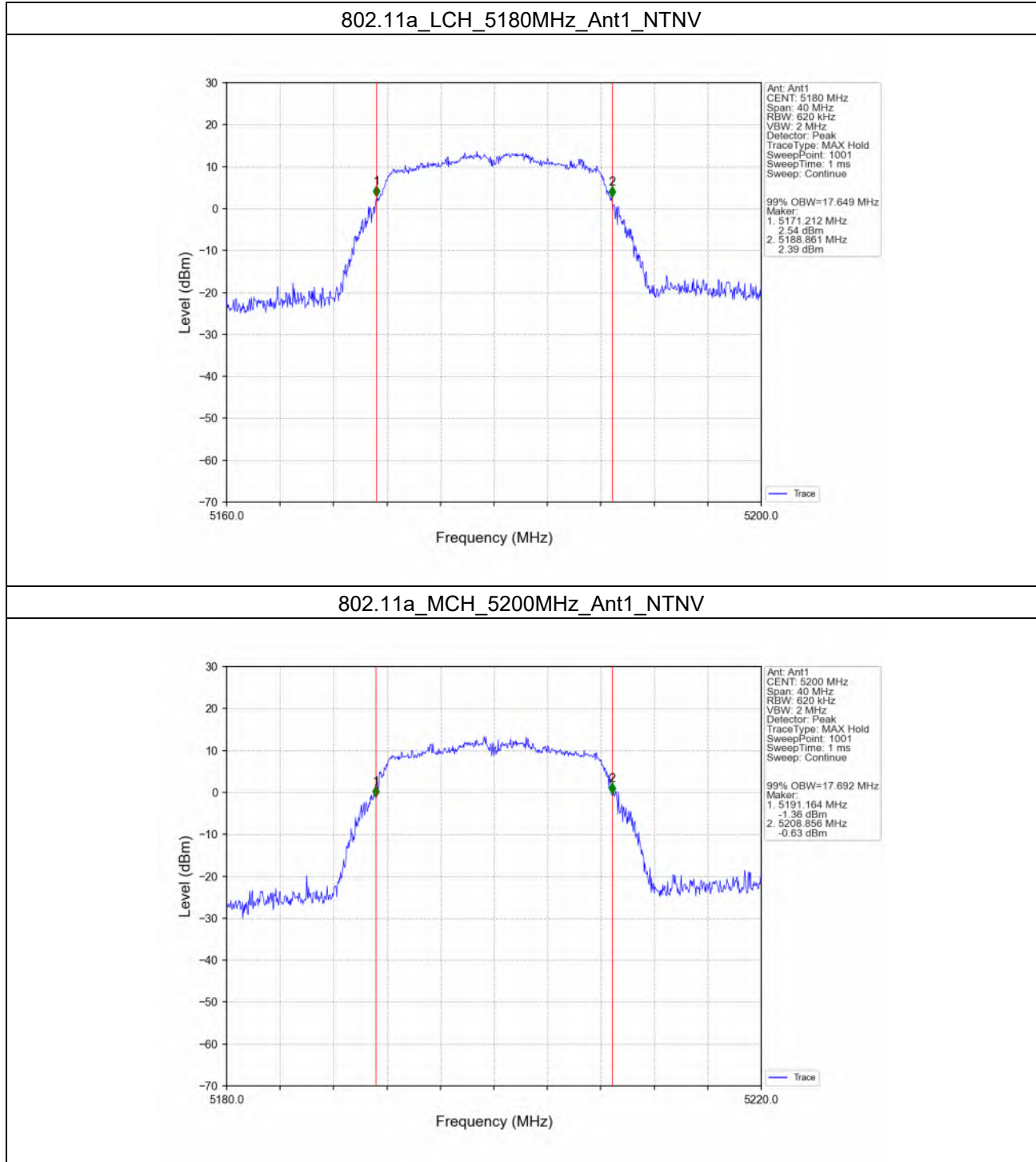
2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	14.762	>=0.5	Pass
		5785	/	/	1	14.264	>=0.5	Pass

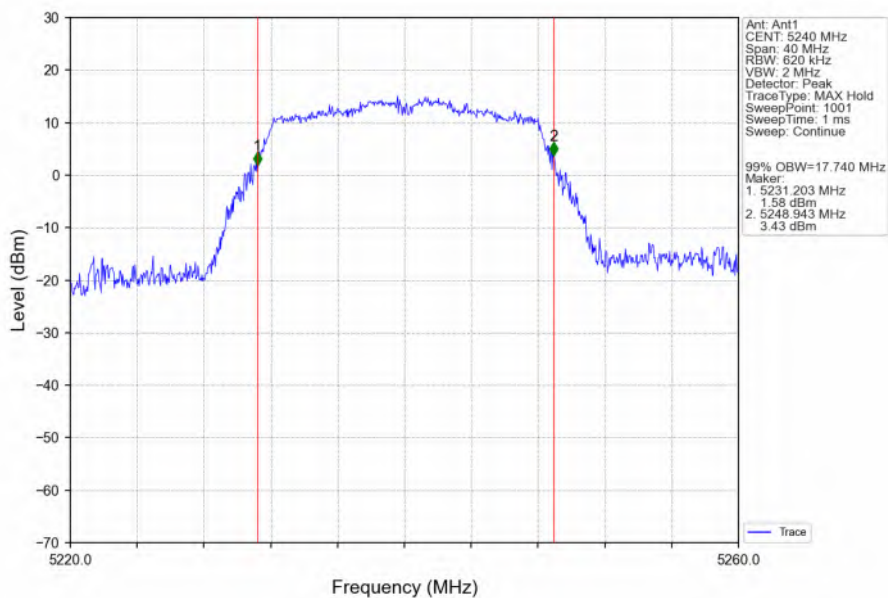
		5825	/	/	1	13.439	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	15.750	≥ 0.5	Pass
		5785	/	/	1	17.587	≥ 0.5	Pass
		5825	/	/	1	6.943	≥ 0.5	Pass
		5745	SU	/	1	13.173	≥ 0.5	Pass
802.11ax (HEW20)	SISO	5785	SU	/	1	18.057	≥ 0.5	Pass
		5825	SU	/	1	14.112	≥ 0.5	Pass

2.2 Test Graph

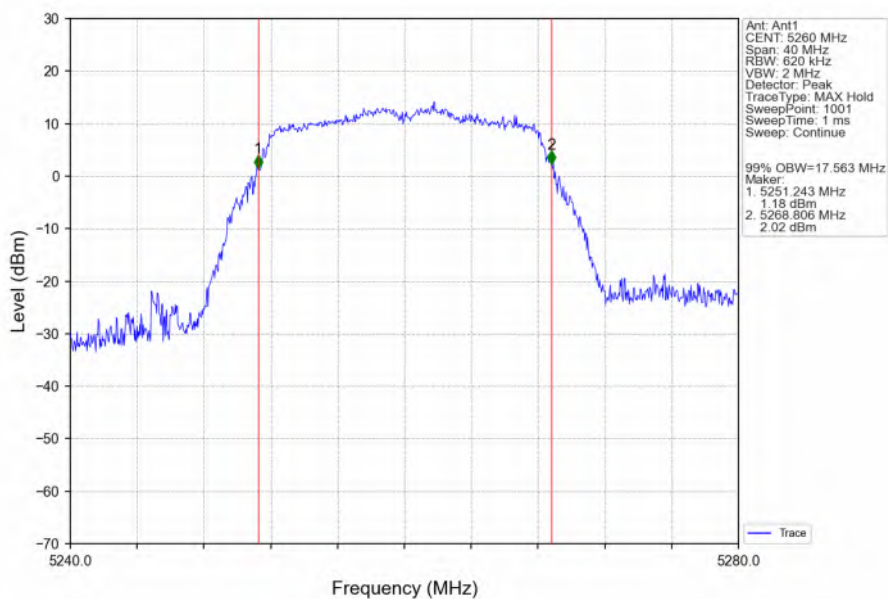
2.2.1 OBW



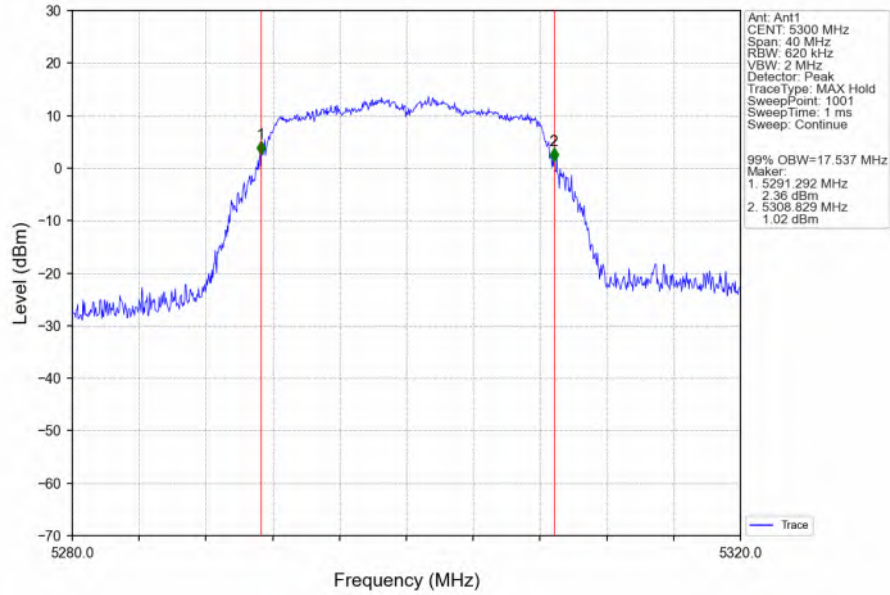
802.11a_HCH_5240MHz_Ant1_NTNV



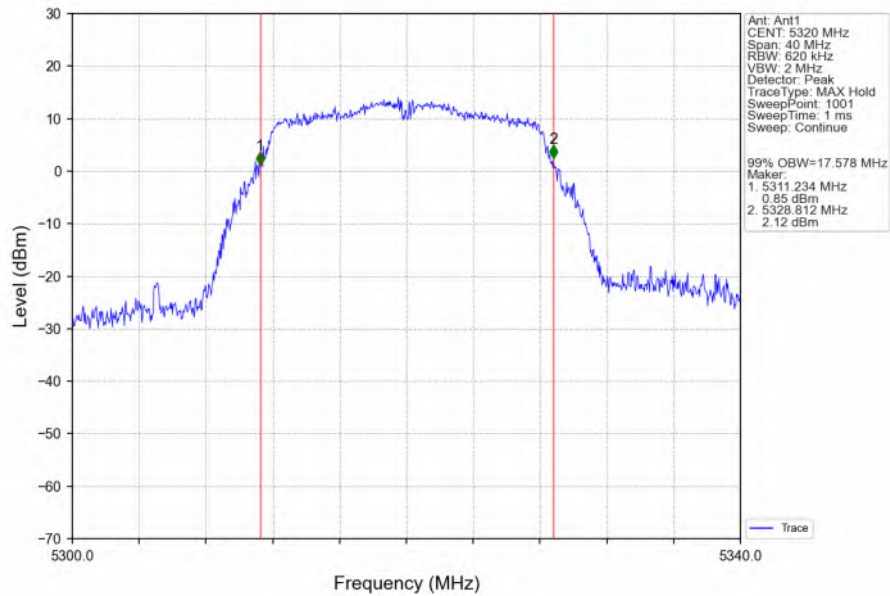
802.11a_LCH_5260MHz_Ant1_NTNV



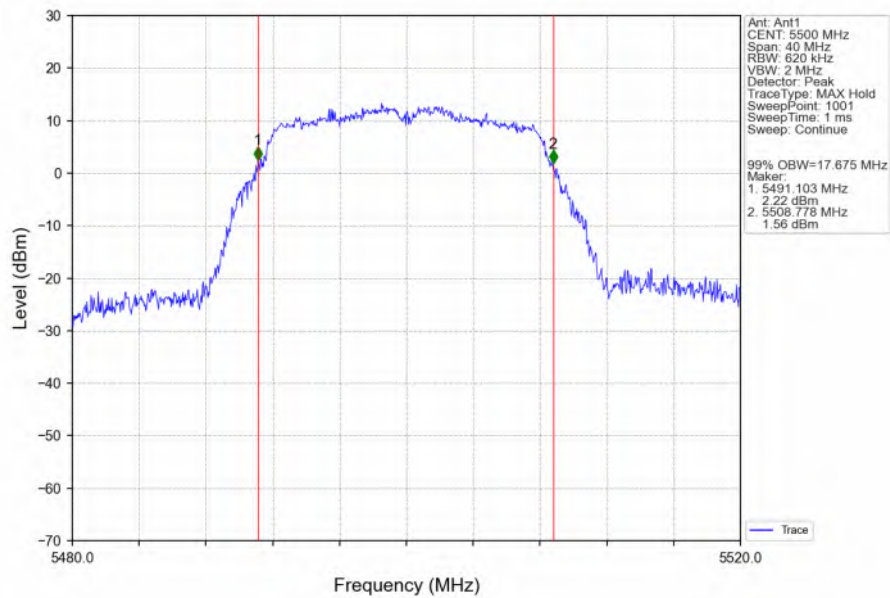
802.11a_MCH_5300MHz_Ant1_NTNV



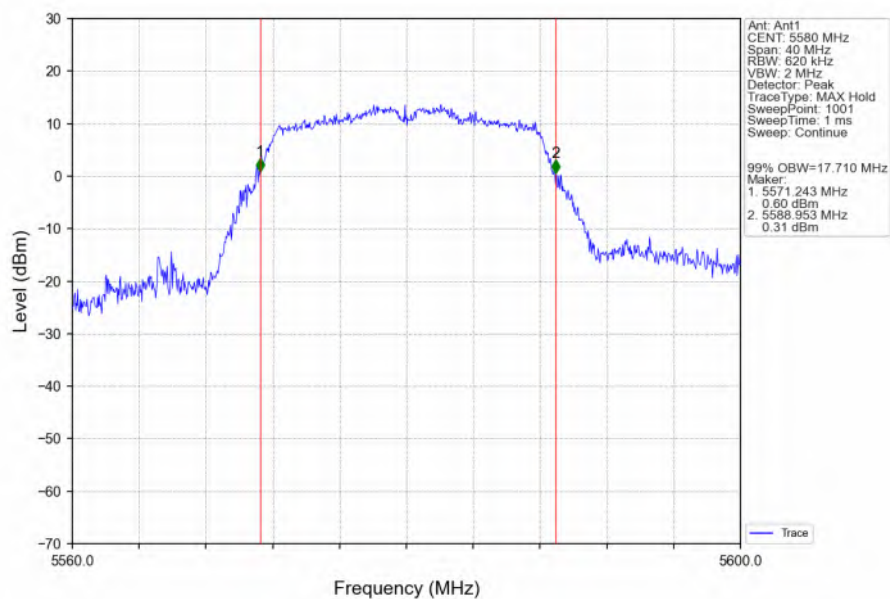
802.11a_HCH_5320MHz_Ant1_NTNV



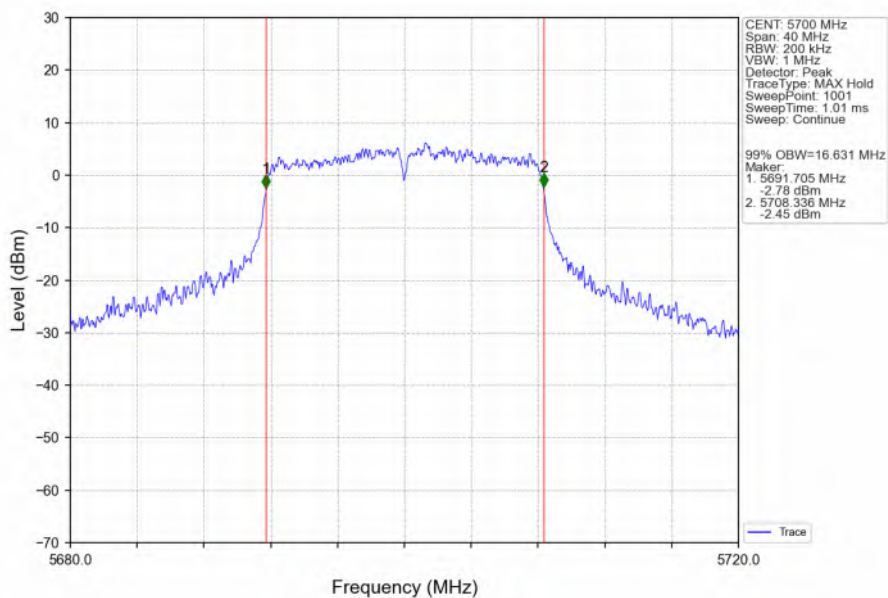
802.11a_LCH_5500MHz_Ant1_NTNV



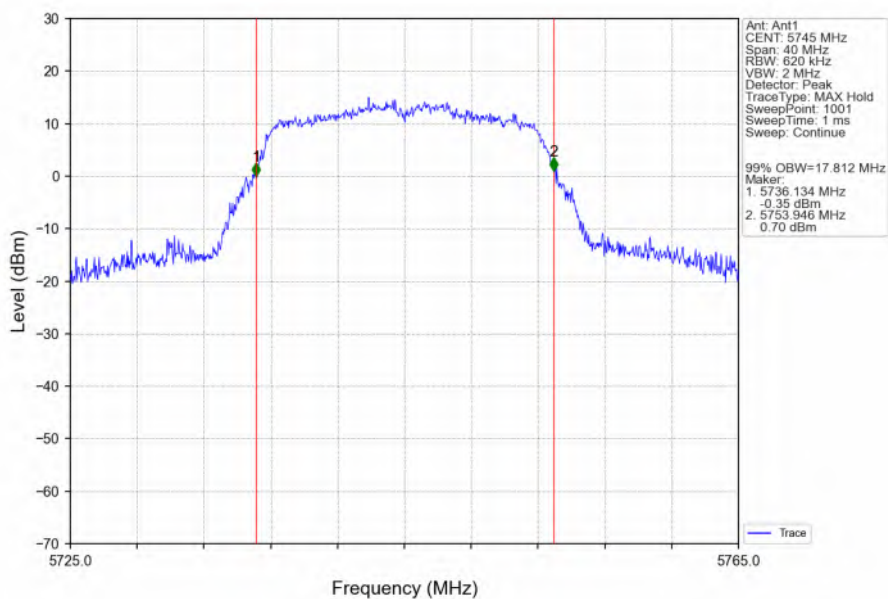
802.11a_MCH_5580MHz_Ant1_NTNV



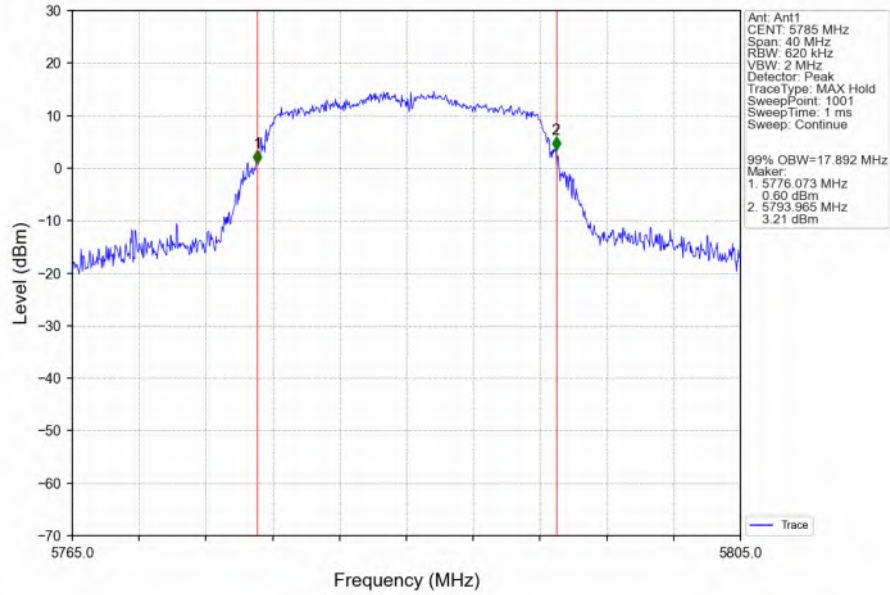
802.11a_HCH_5700MHz_Ant1_NTNV



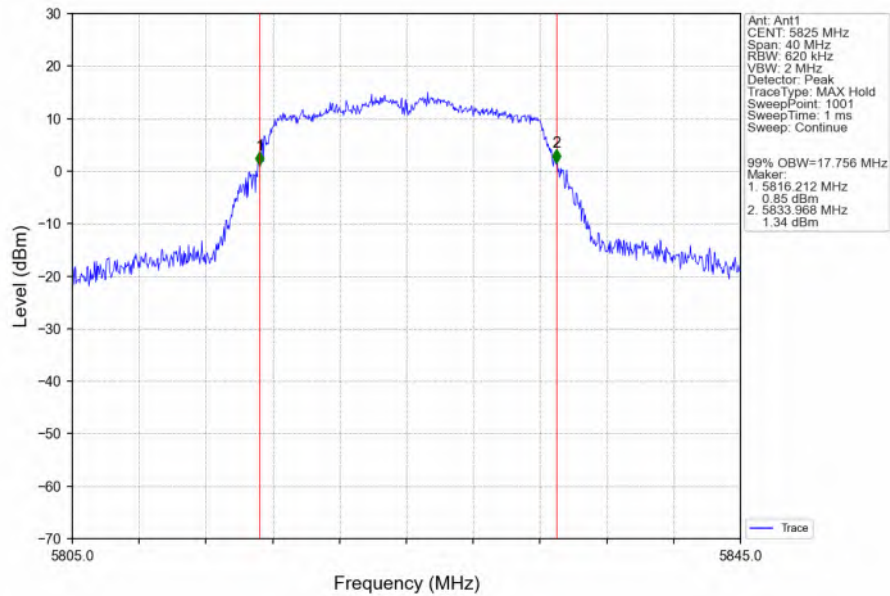
802.11a_LCH_5745MHz_Ant1_NTNV



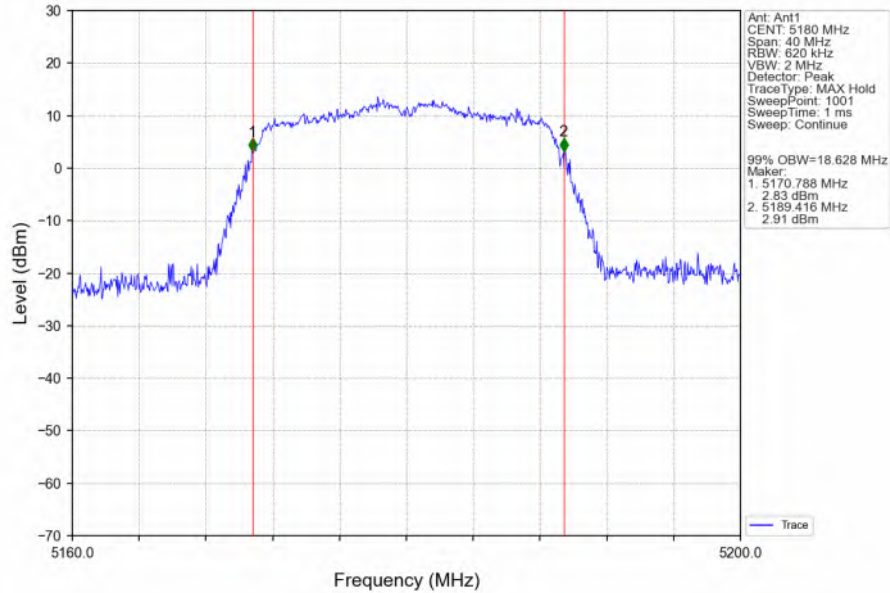
802.11a_MCH_5785MHz_Ant1_NTNV



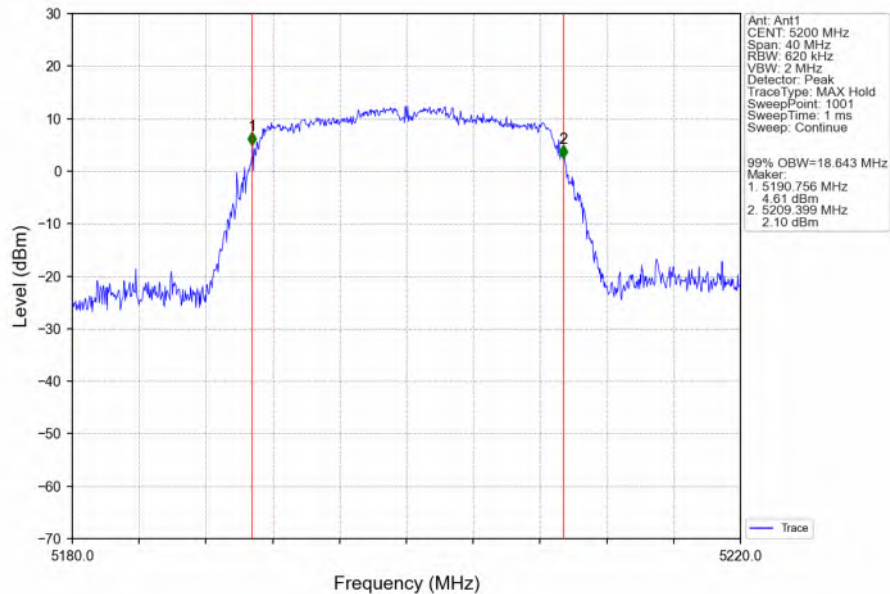
802.11a_HCH_5825MHz_Ant1_NTNV



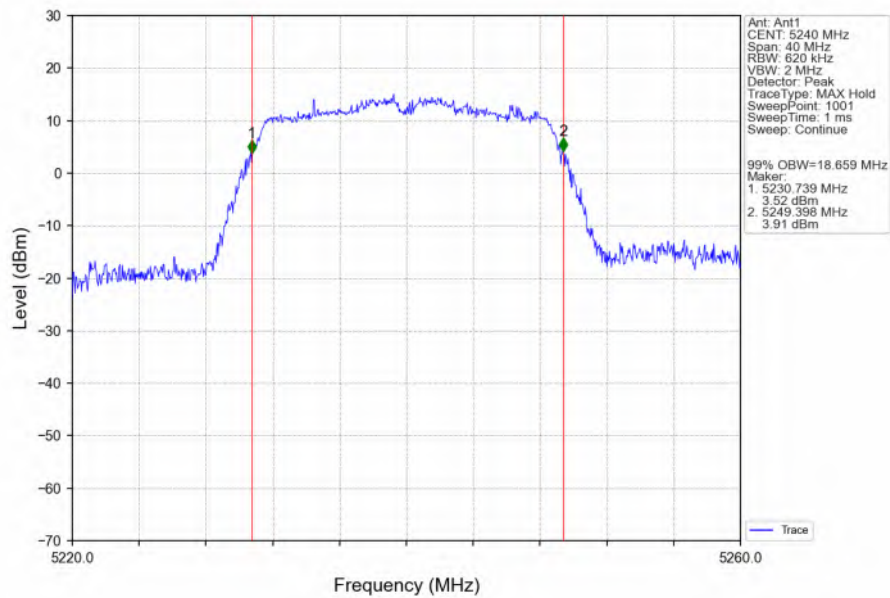
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



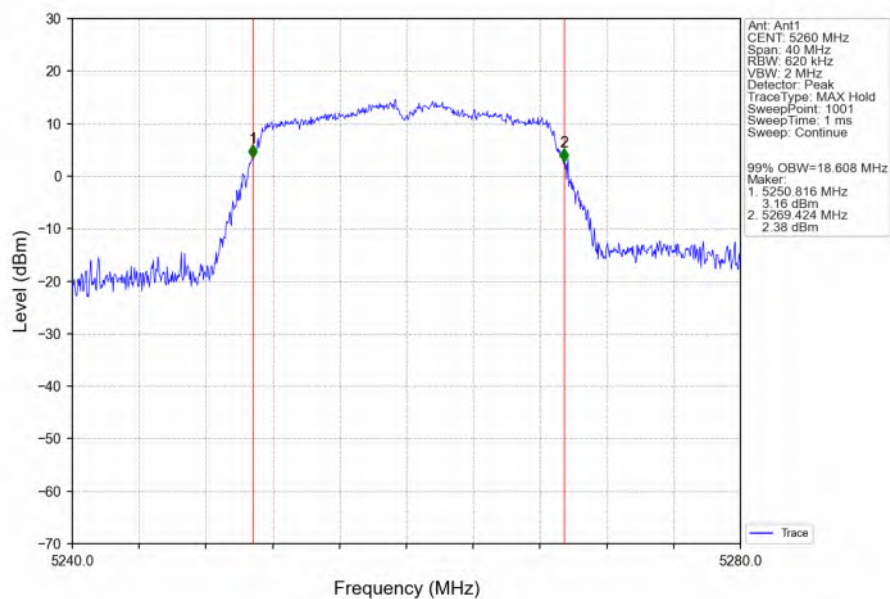
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



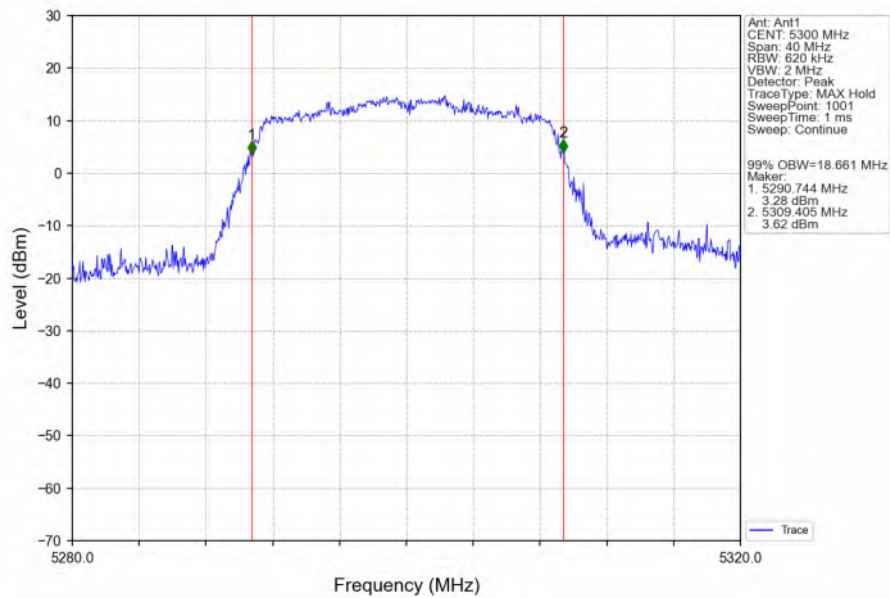
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



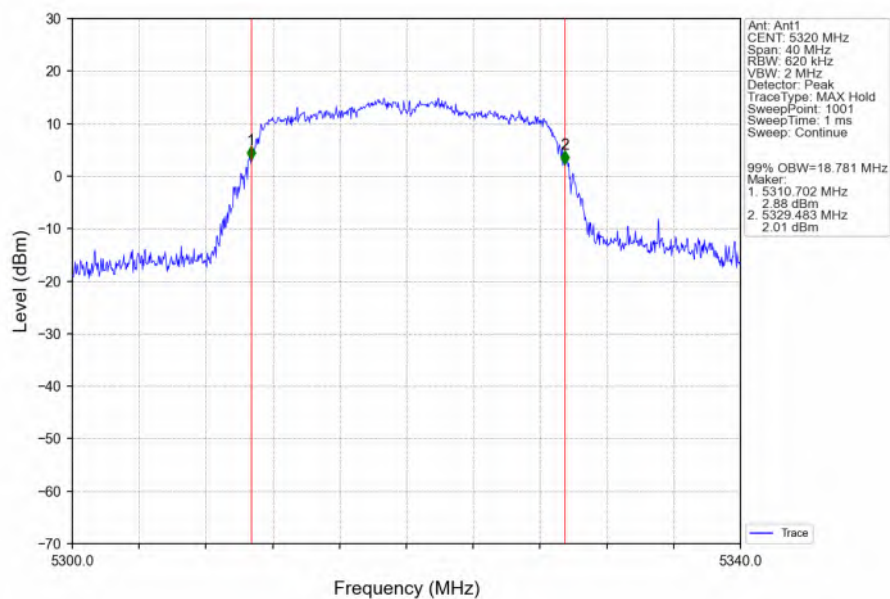
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



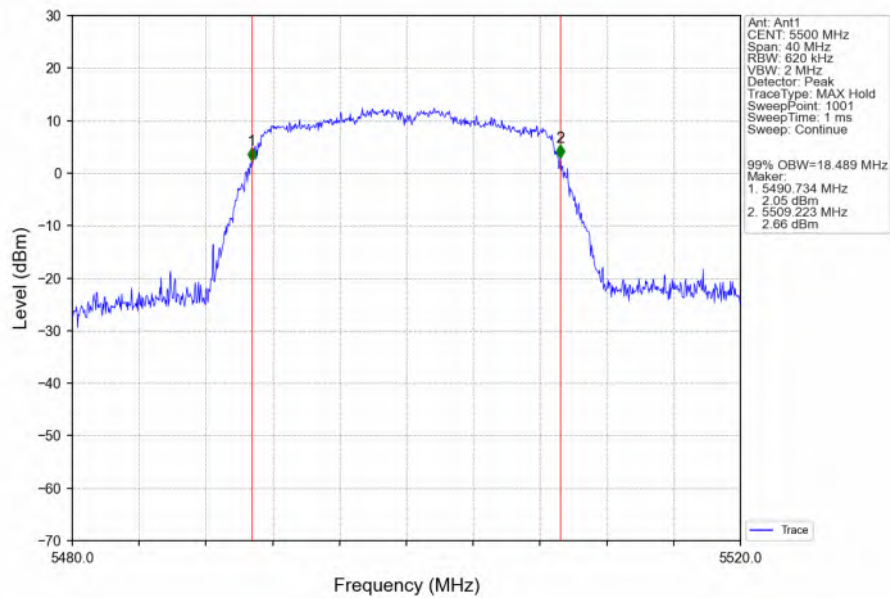
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



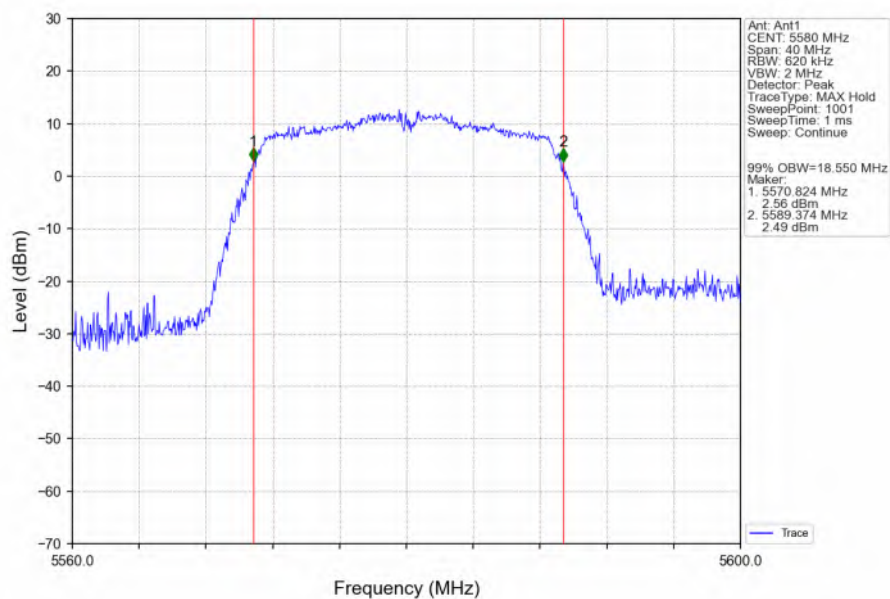
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



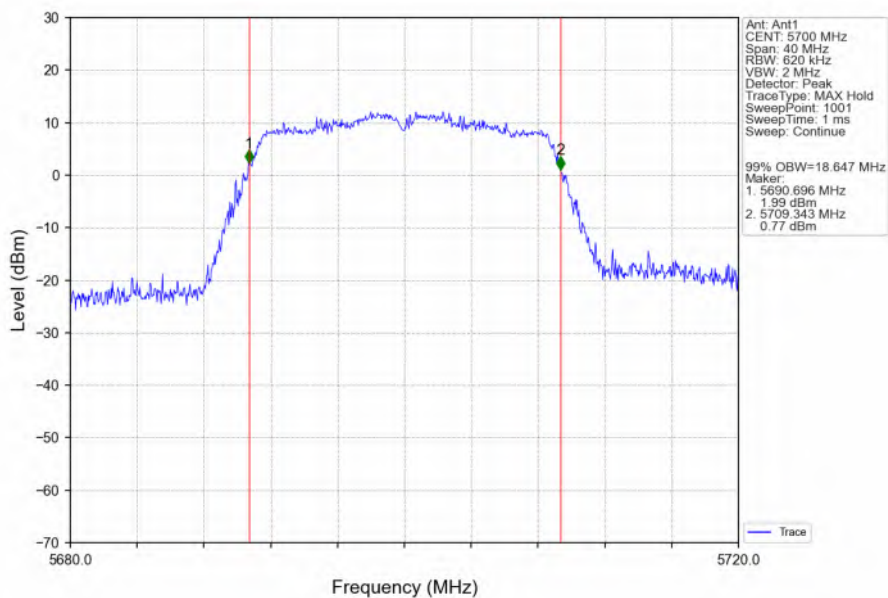
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



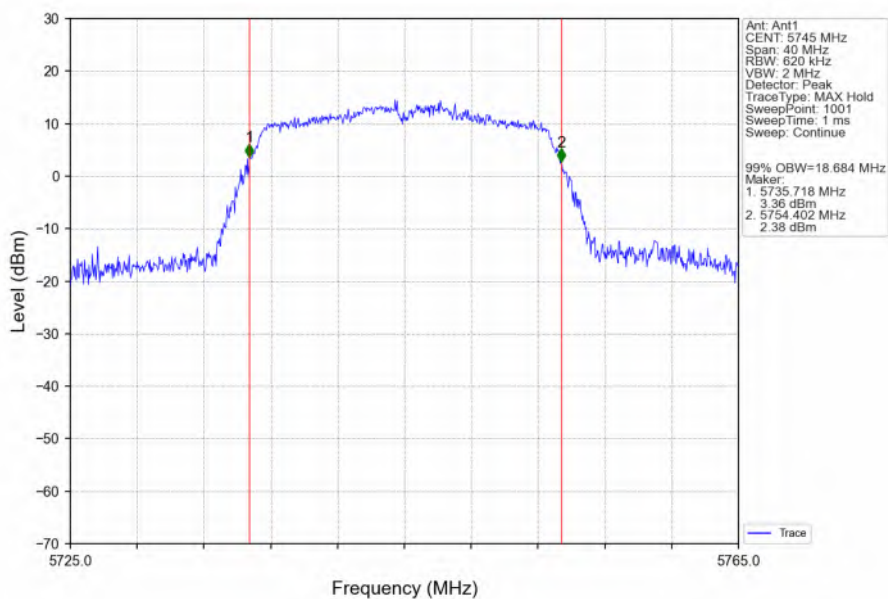
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



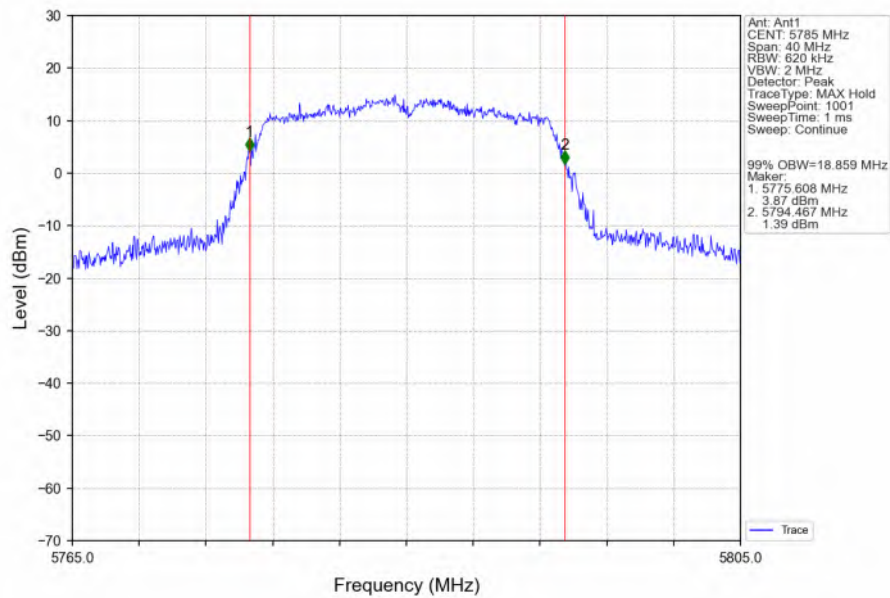
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



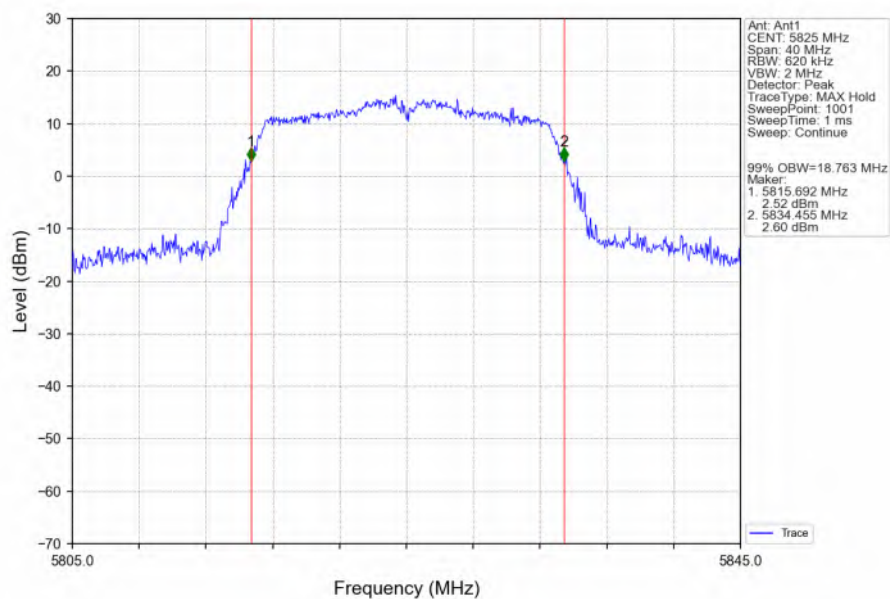
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



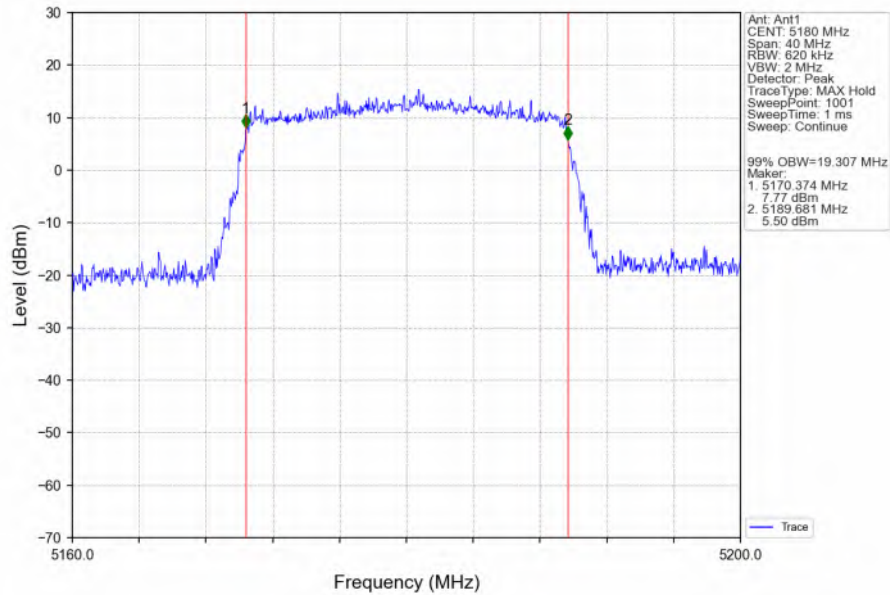
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



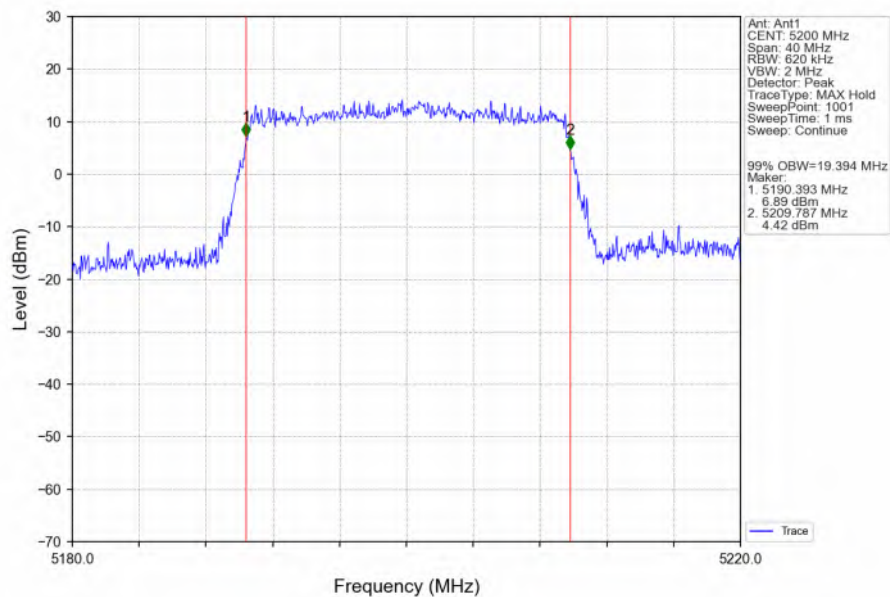
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



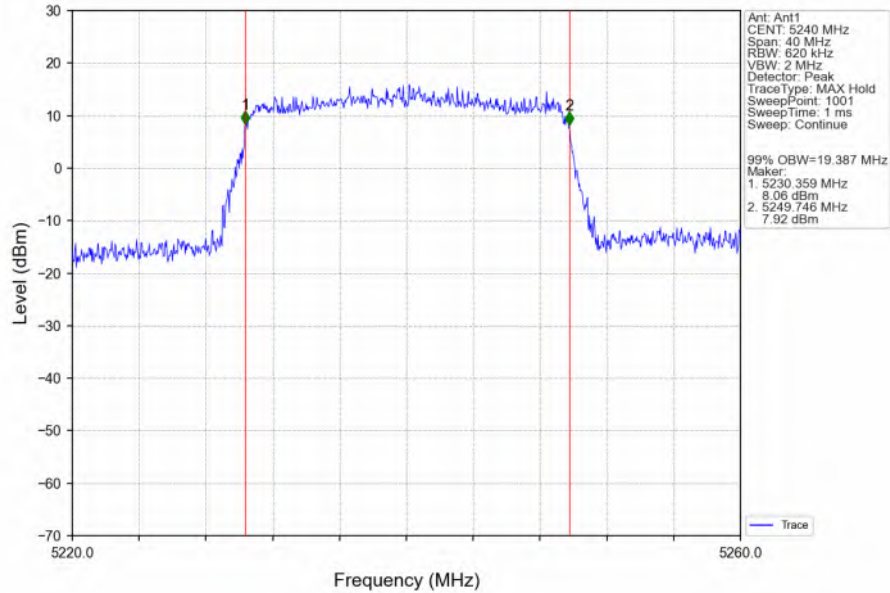
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



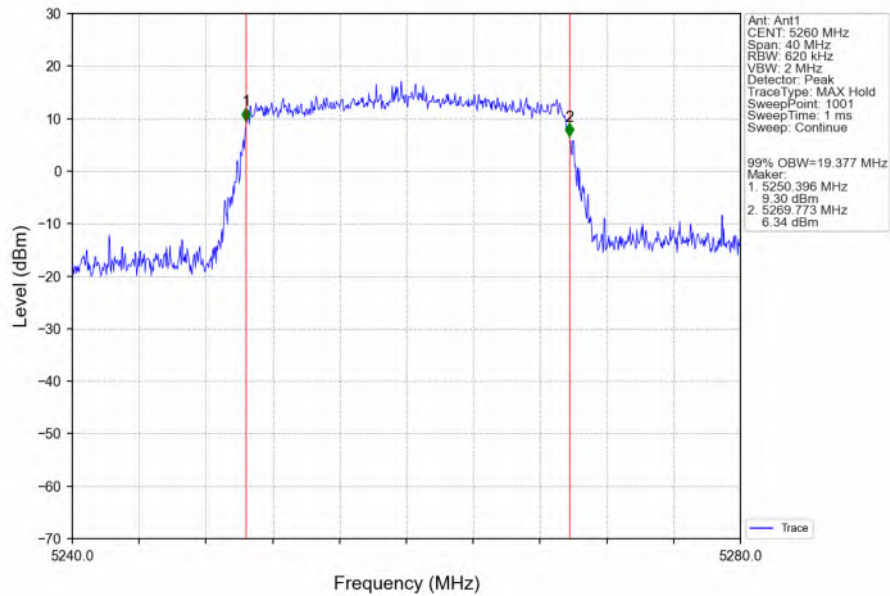
802.11ax(HEW20)_MCH_5200MHz_SU_ / _Ant1_NTNV



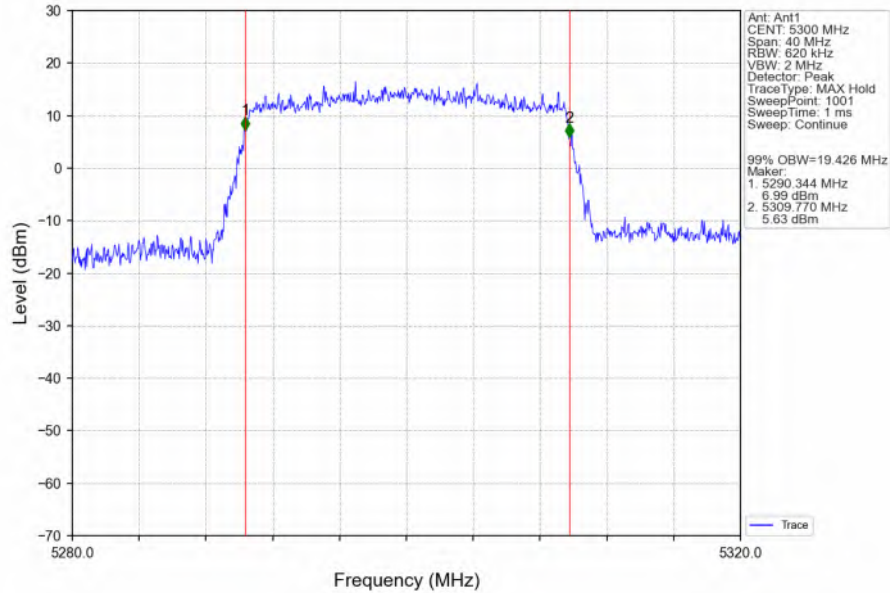
802.11ax(HEW20)_HCH_5240MHz_SU_ / _Ant1_NTNV



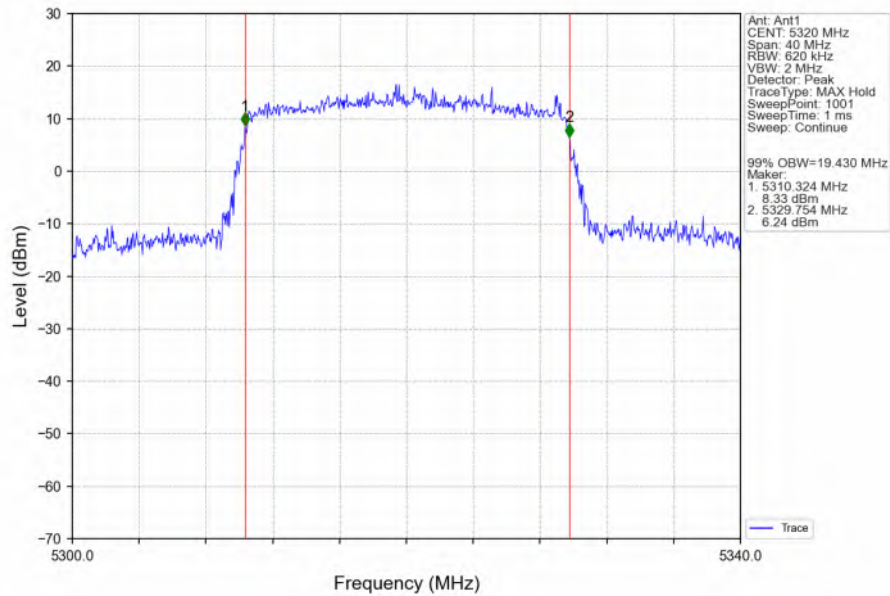
802.11ax(HEW20)_LCH_5260MHz_SU_ / _Ant1_NTNV



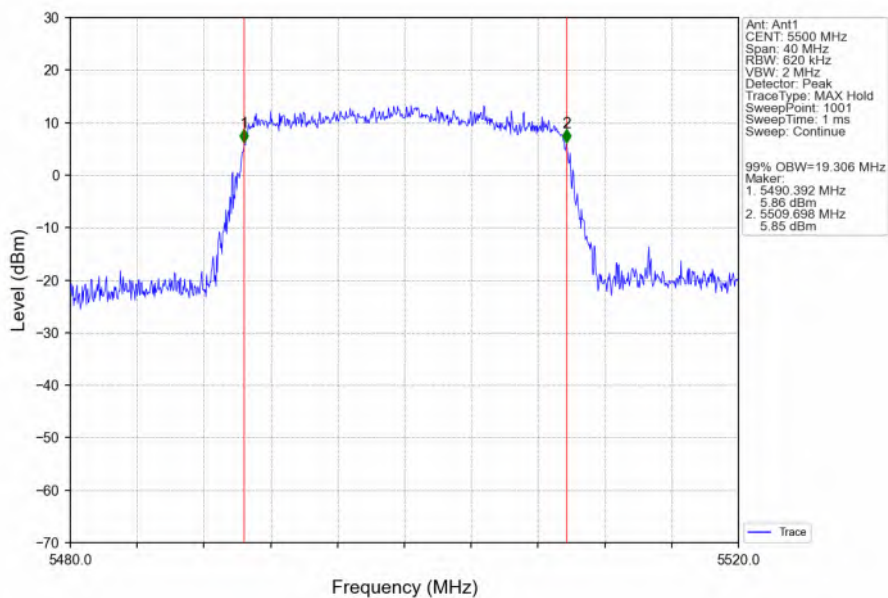
802.11ax(HEW20)_MCH_5300MHz_SU_ / _Ant1_NTNV



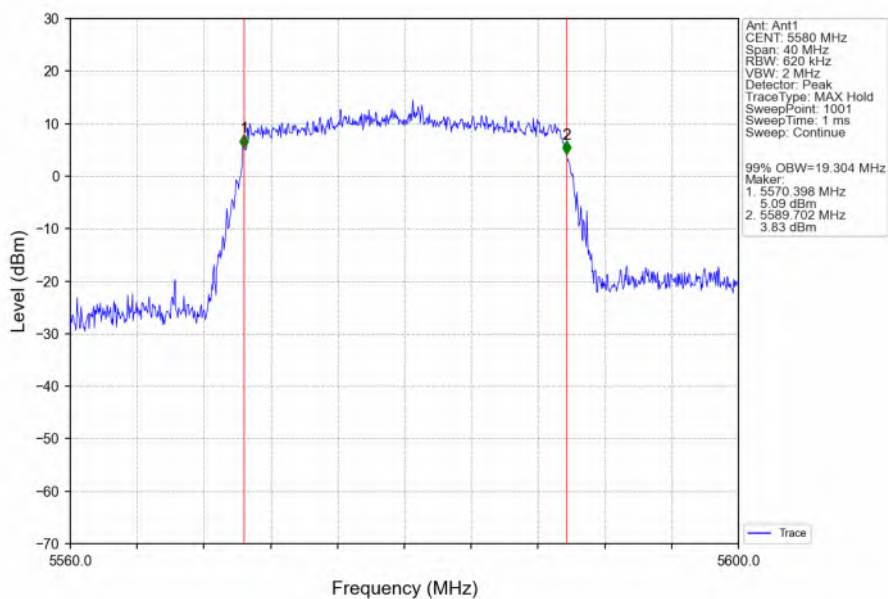
802.11ax(HEW20)_HCH_5320MHz_SU_ / _Ant1_NTNV



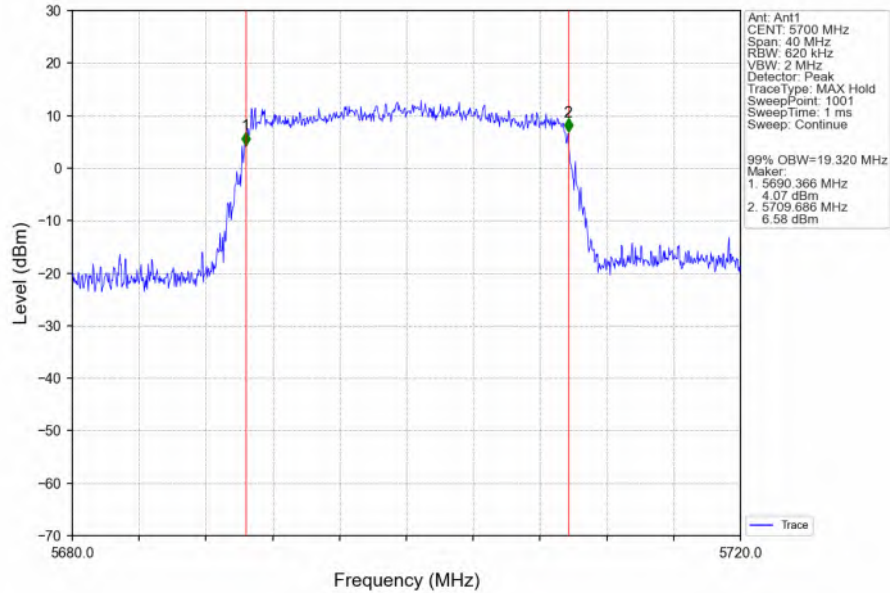
802.11ax(HEW20)_LCH_5500MHz_SU_ / _Ant1_NTNV



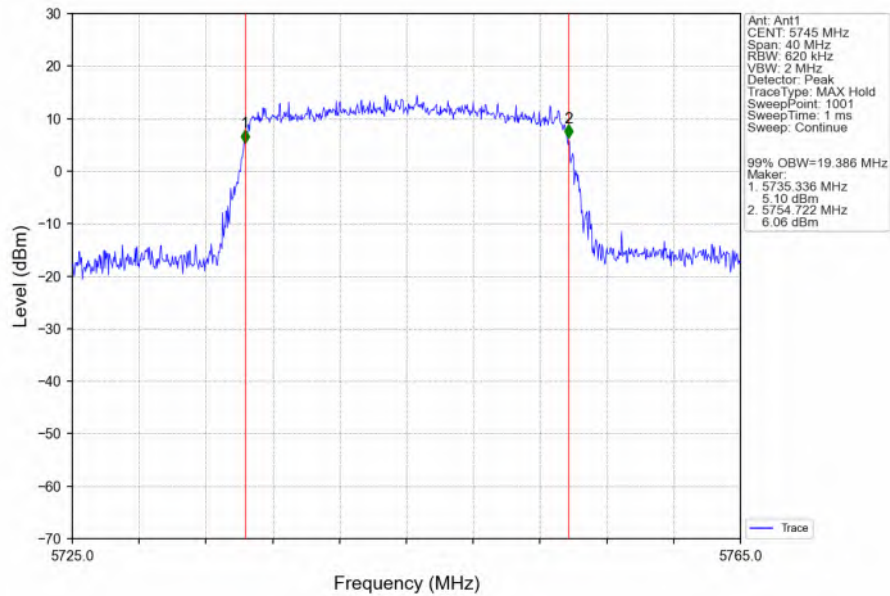
802.11ax(HEW20)_MCH_5580MHz_SU_ / _Ant1_NTNV



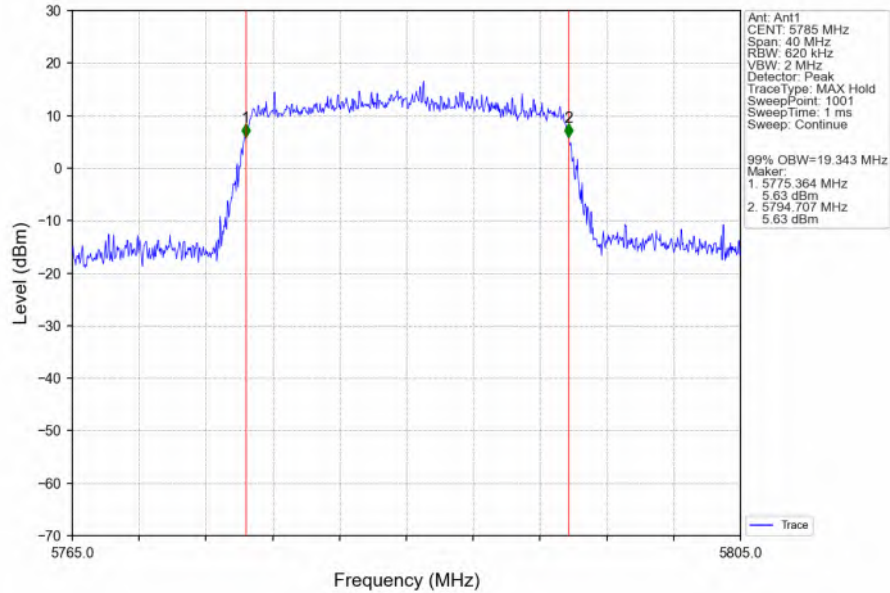
802.11ax(HEW20)_HCH_5700MHz_SU_ / _Ant1_NTNV



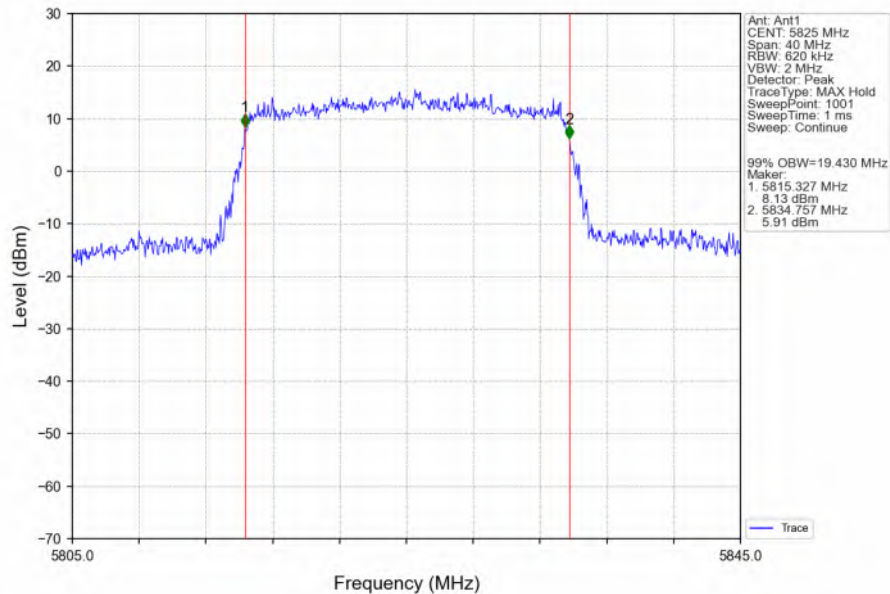
802.11ax(HEW20)_LCH_5745MHz_SU_ / _Ant1_NTNV



802.11ax(HEW20)_MCH_5785MHz_SU_ / _Ant1_NTNV

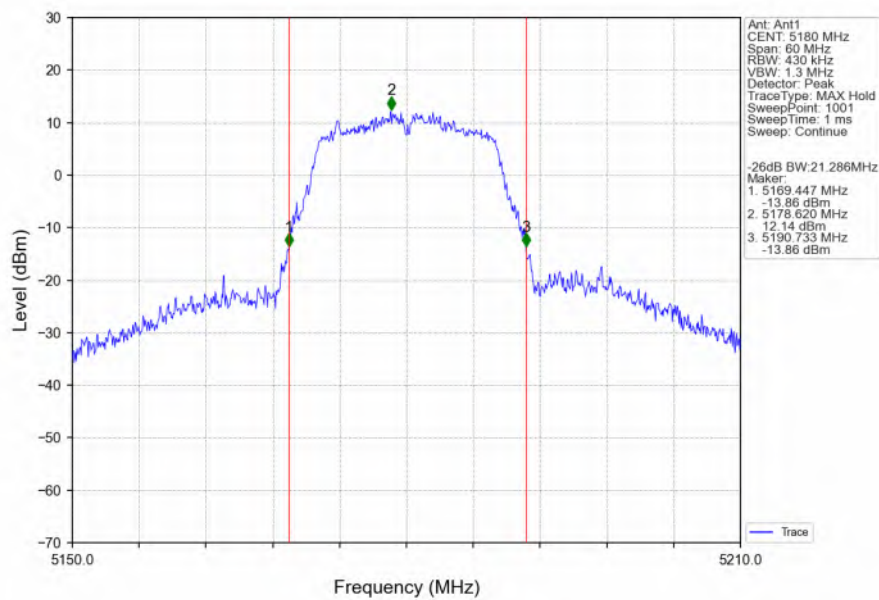


802.11ax(HEW20)_HCH_5825MHz_SU_ / _Ant1_NTNV

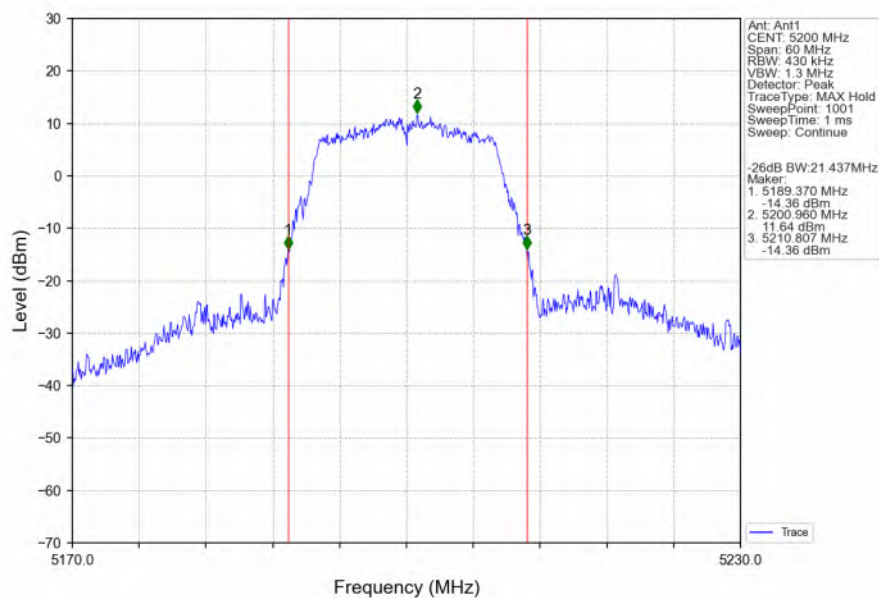


2.2.2 26dB BW

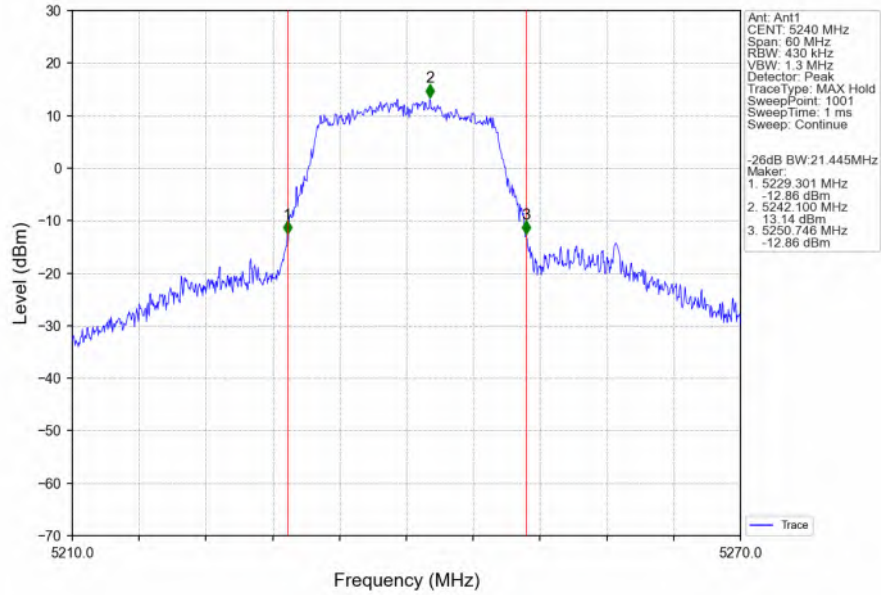
802.11a_LCH_5180MHz_Ant1_NTNV



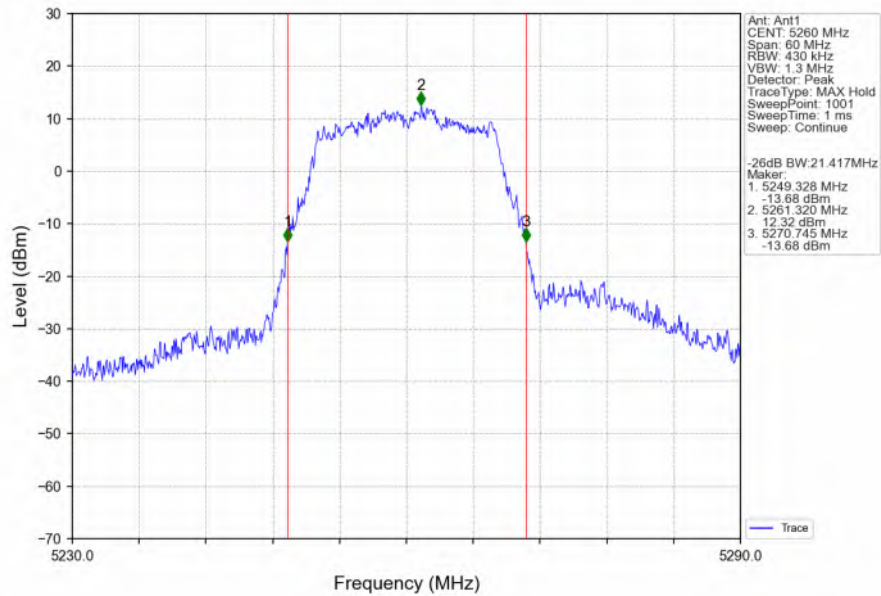
802.11a_MCH_5200MHz_Ant1_NTNV



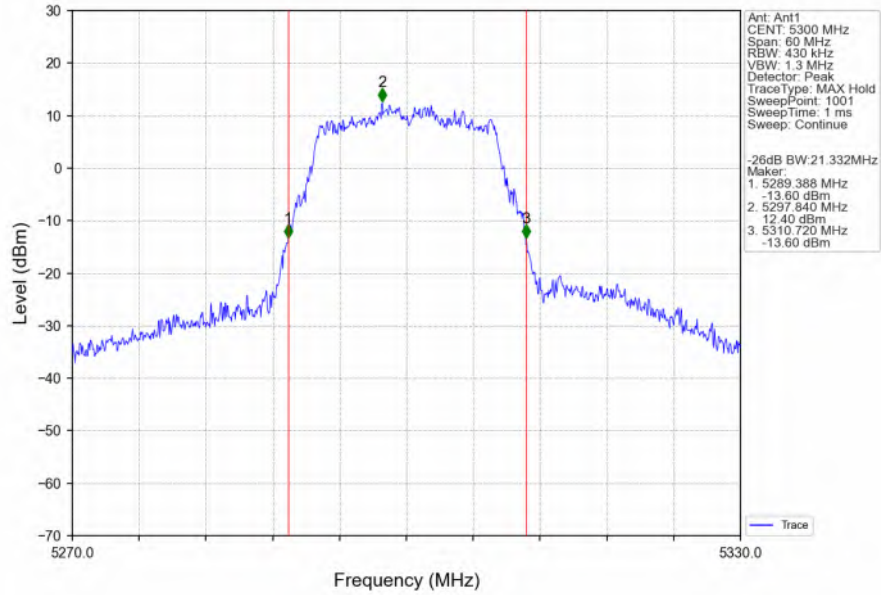
802.11a_HCH_5240MHz_Ant1_NTNV



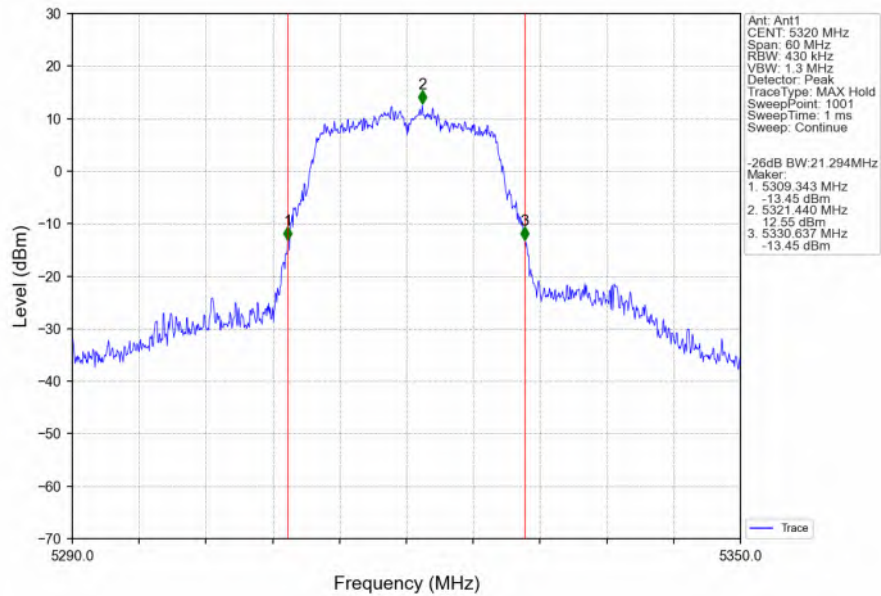
802.11a_LCH_5260MHz_Ant1_NTNV



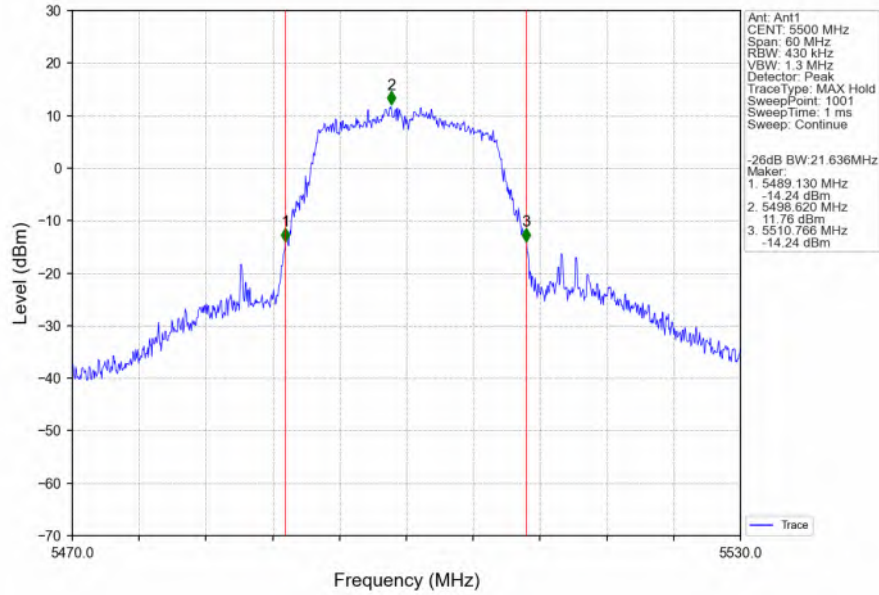
802.11a_MCH_5300MHz_Ant1_NTNV



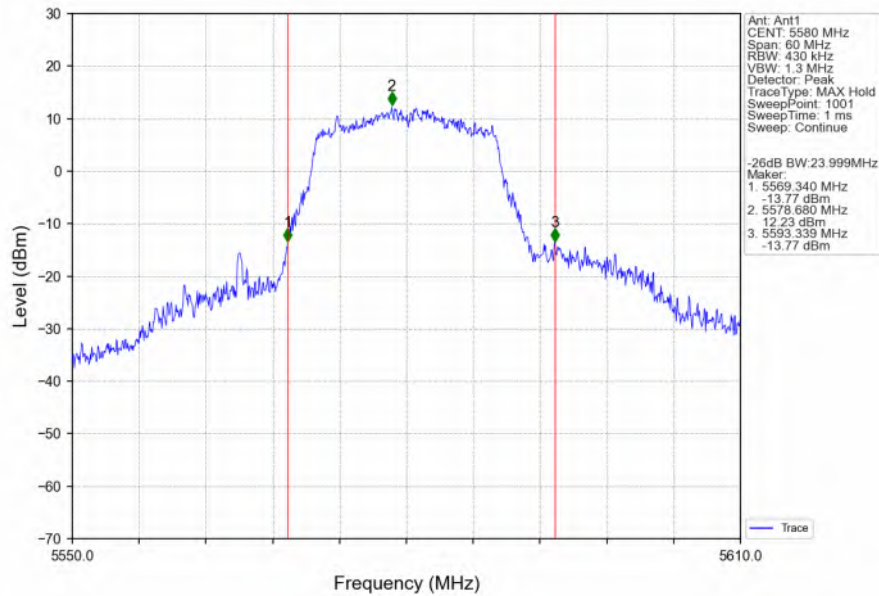
802.11a_HCH_5320MHz_Ant1_NTNV



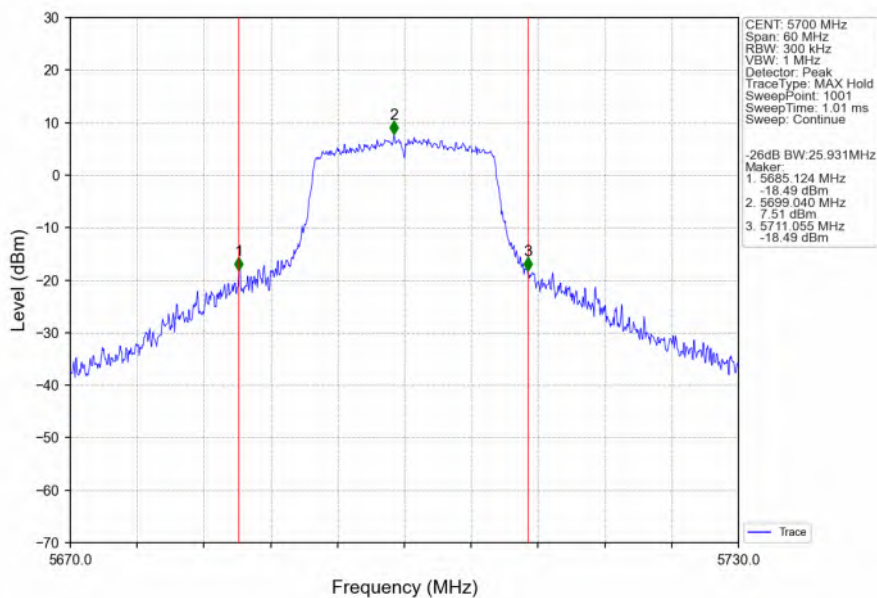
802.11a_LCH_5500MHz_Ant1_NTNV



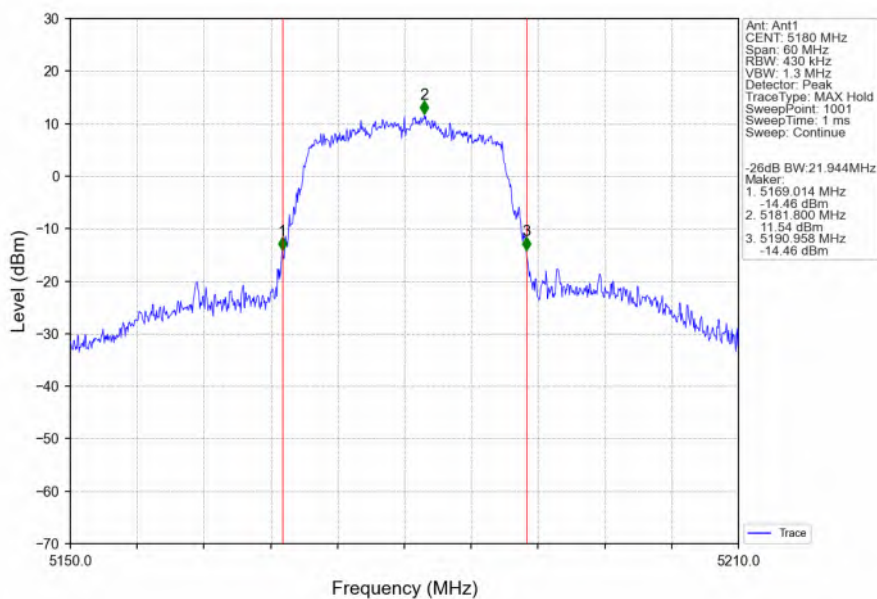
802.11a_MCH_5580MHz_Ant1_NTNV



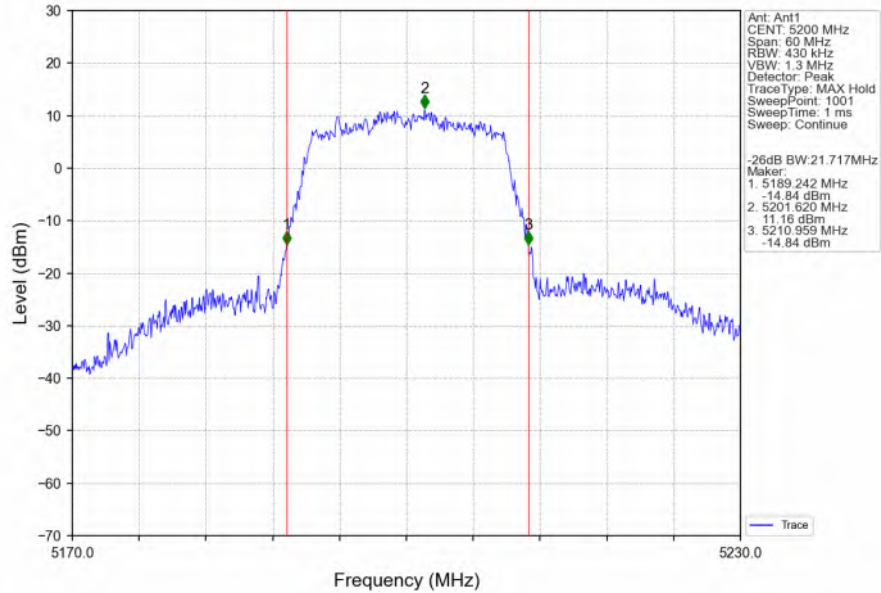
802.11a_HCH_5700MHz_Ant1_NTNV



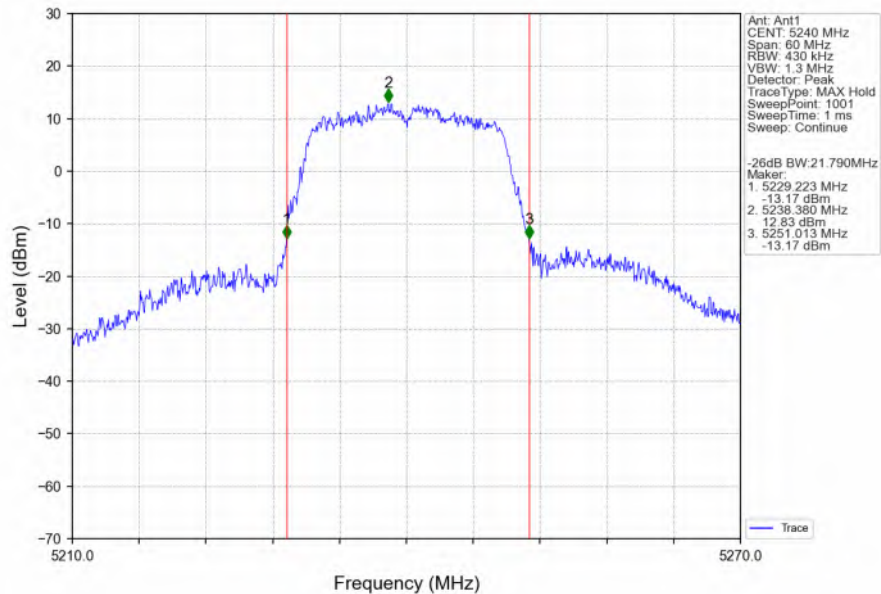
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



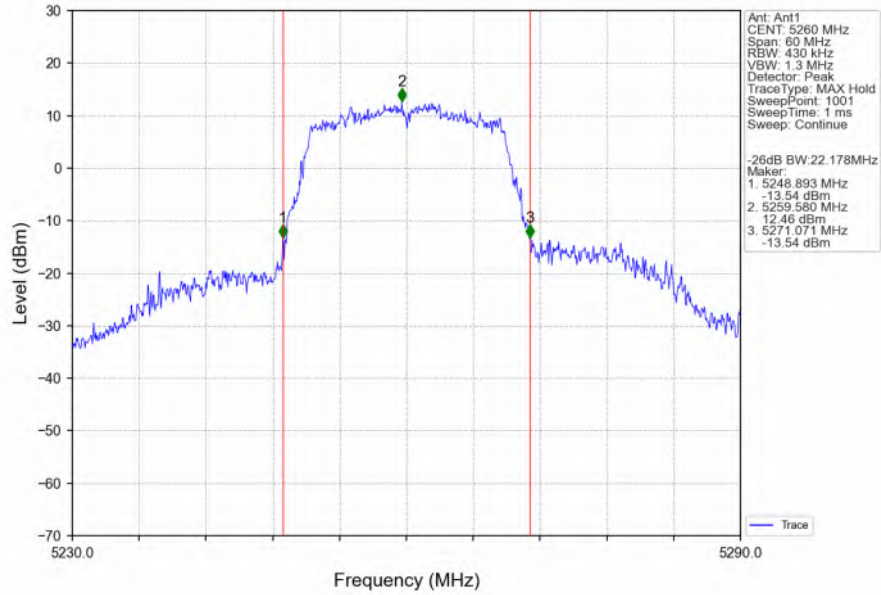
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



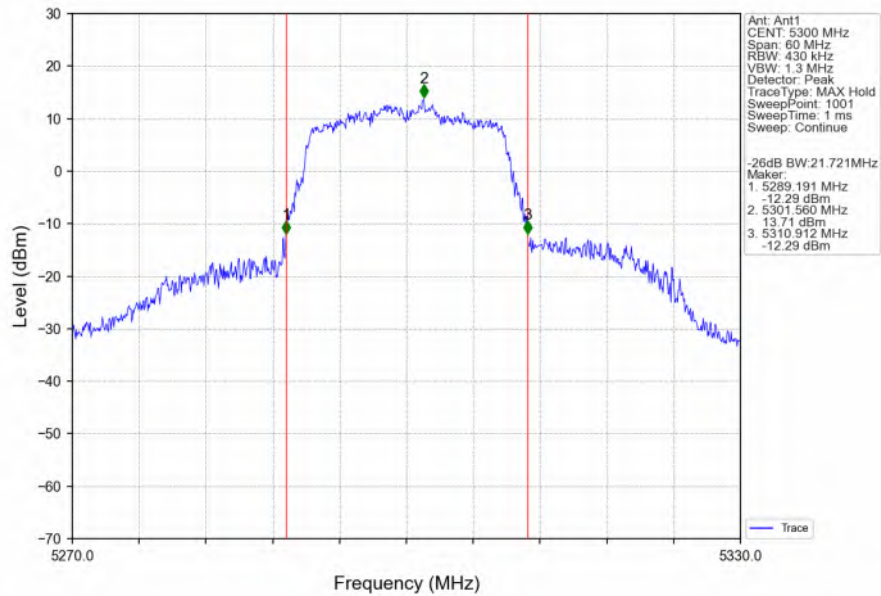
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



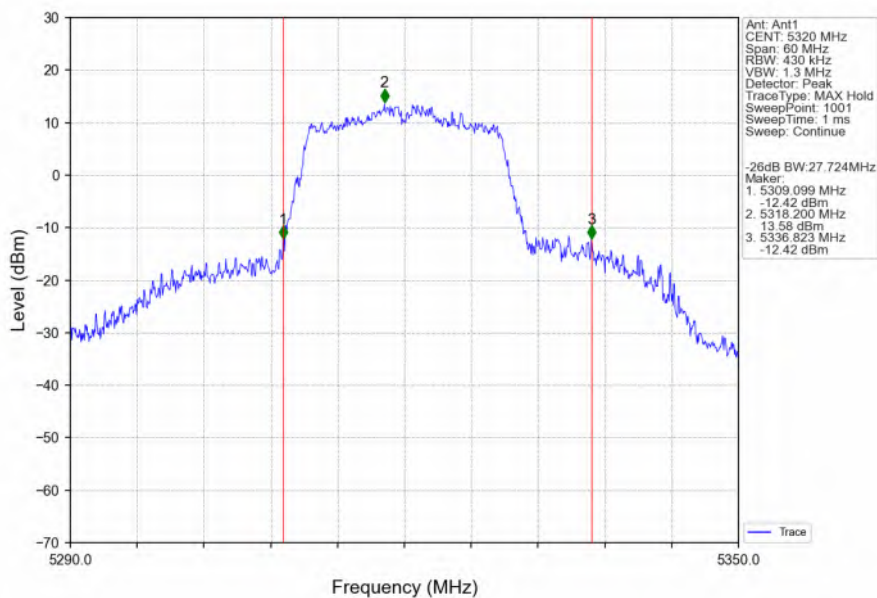
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



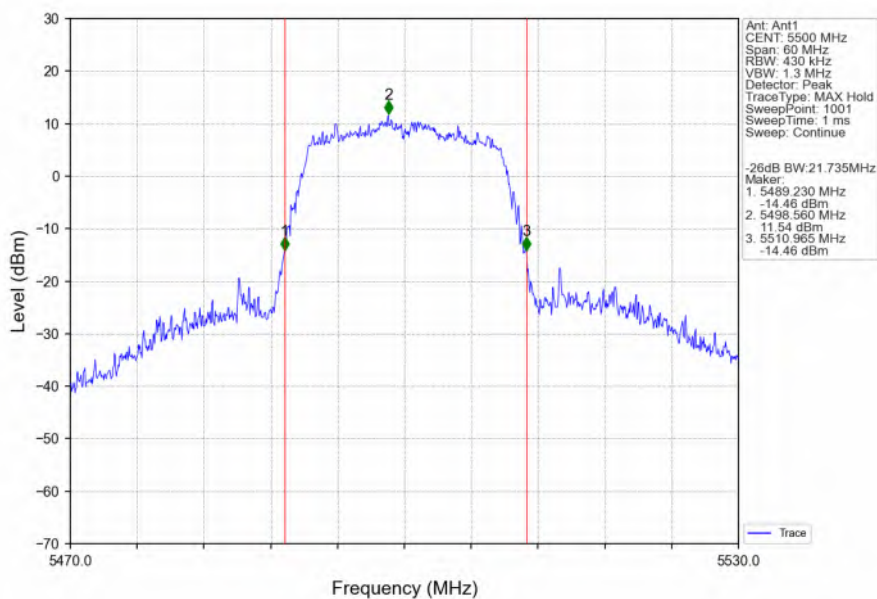
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



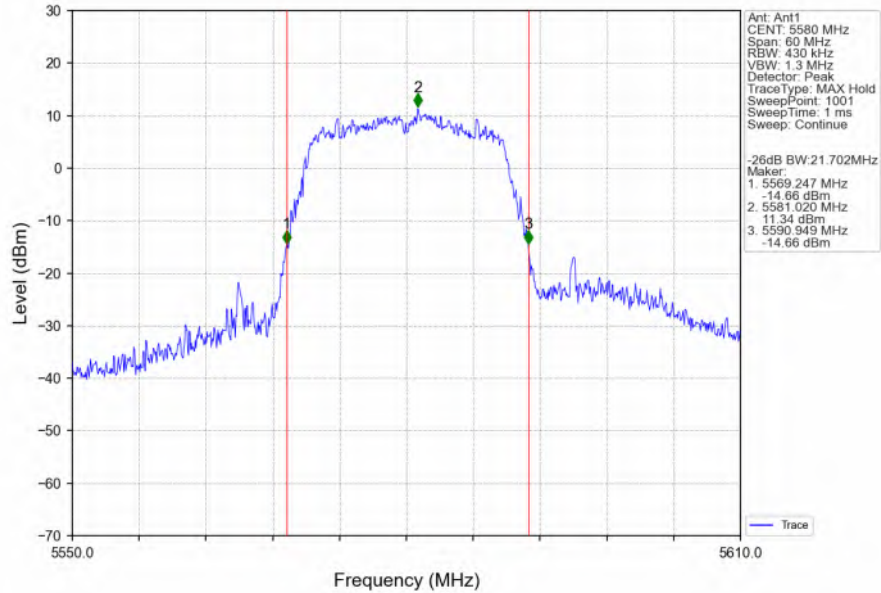
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



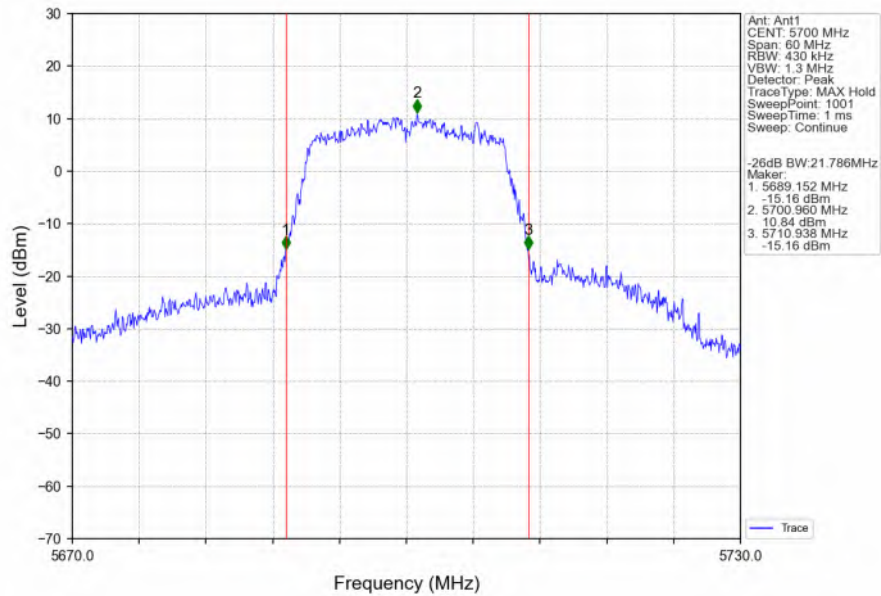
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



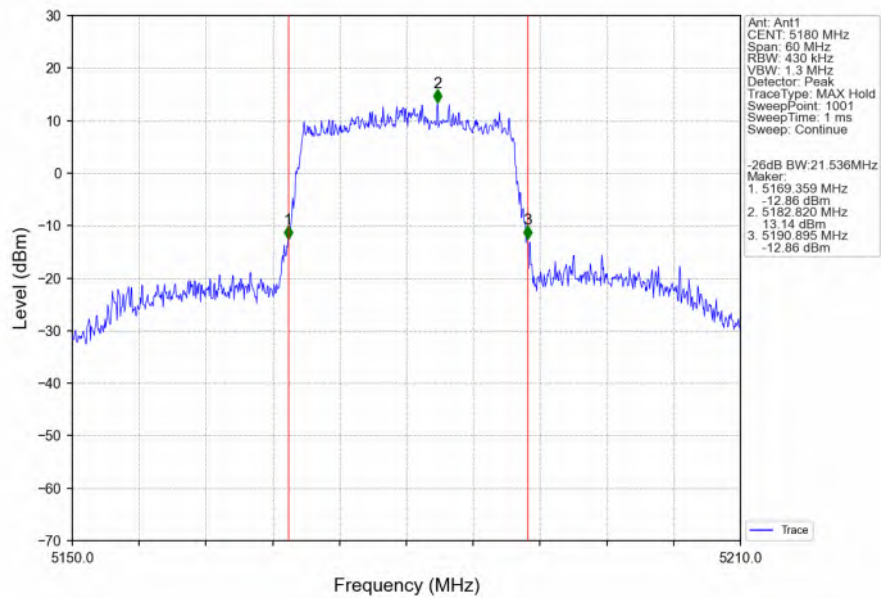
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



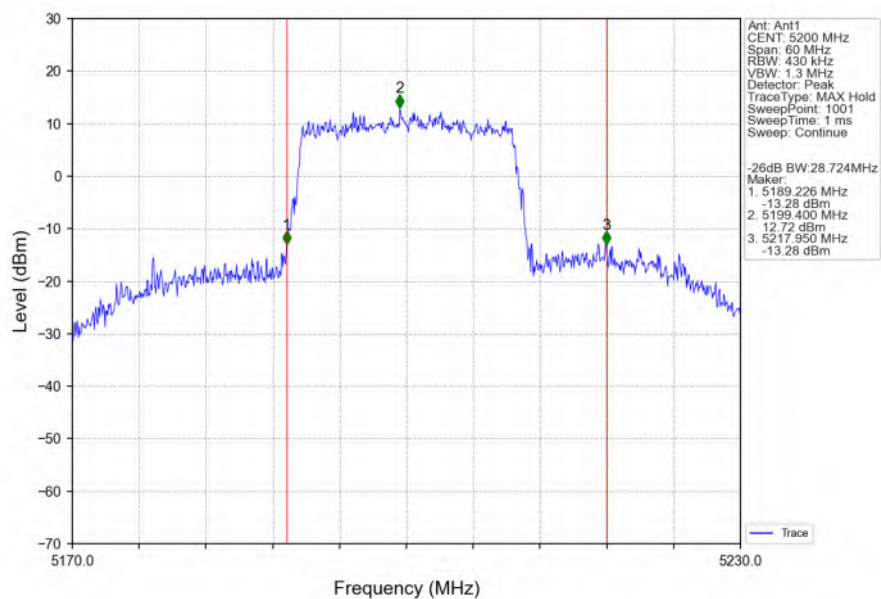
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



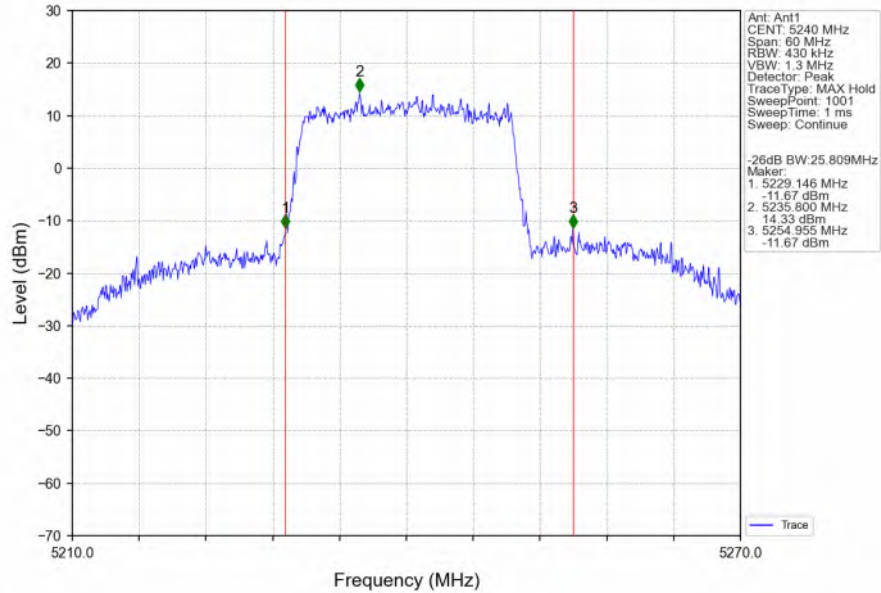
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



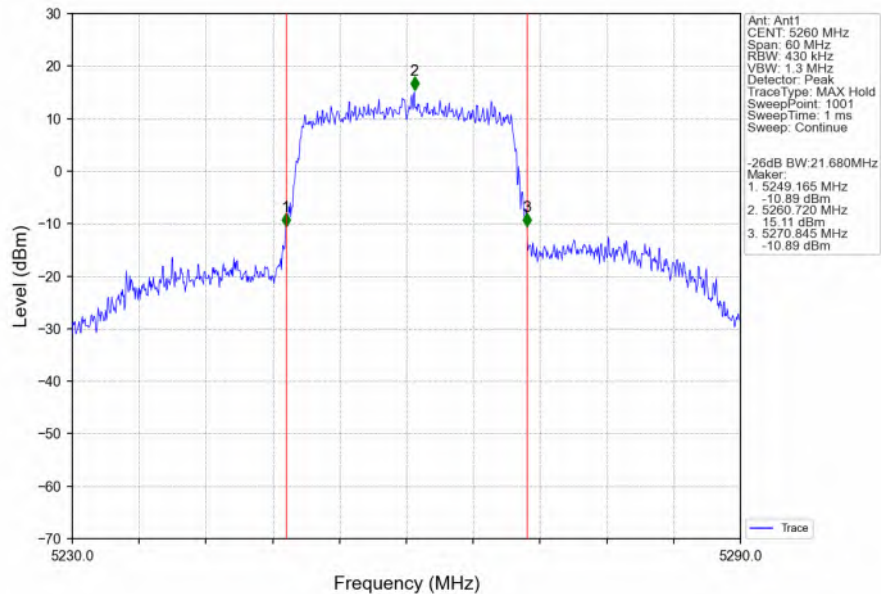
802.11ax(HEW20)_MCH_5200MHz_SU_ / _Ant1_NTNV



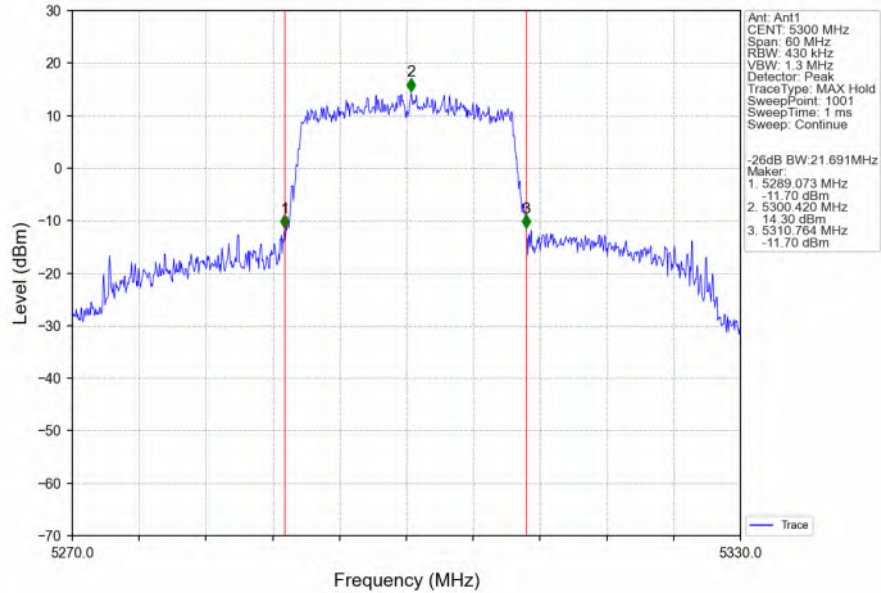
802.11ax(HEW20)_HCH_5240MHz_SU_ / _Ant1_NTNV



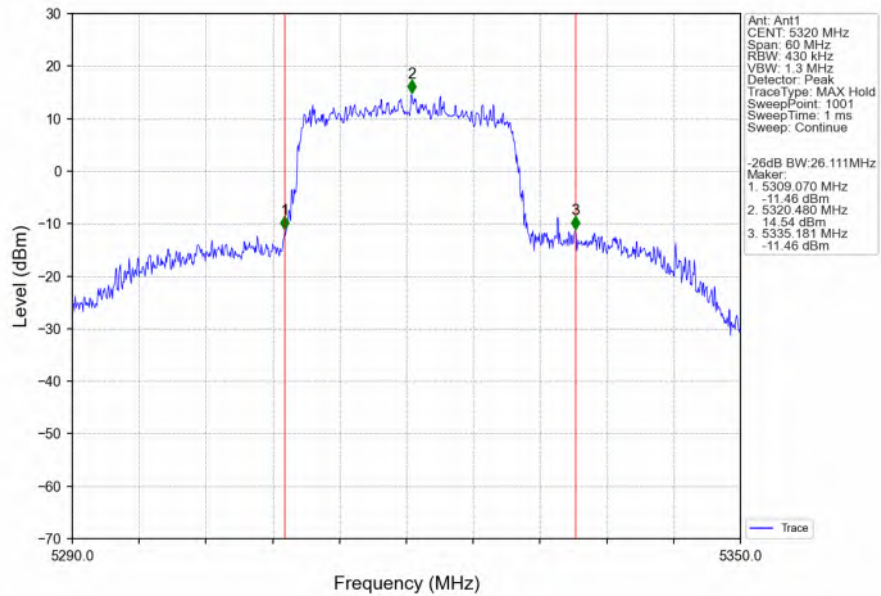
802.11ax(HEW20)_LCH_5260MHz_SU_ / _Ant1_NTNV



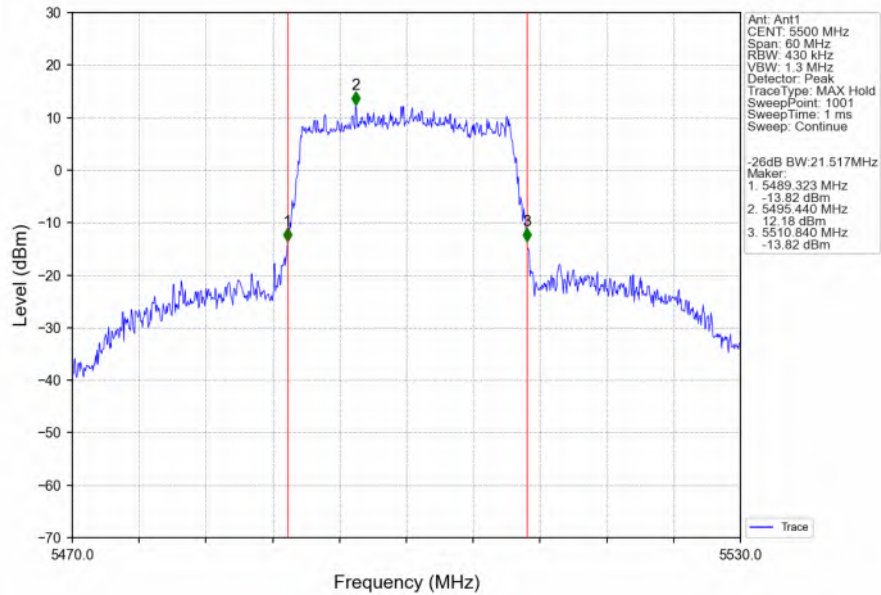
802.11ax(HEW20)_MCH_5300MHz_SU_/_Ant1_NTNV



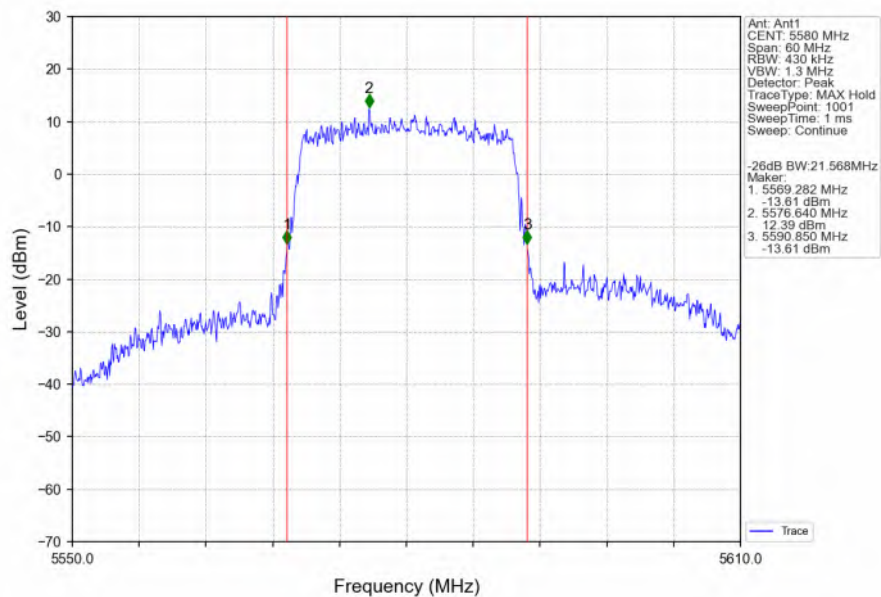
802.11ax(HEW20)_HCH_5320MHz_SU_/_Ant1_NTNV



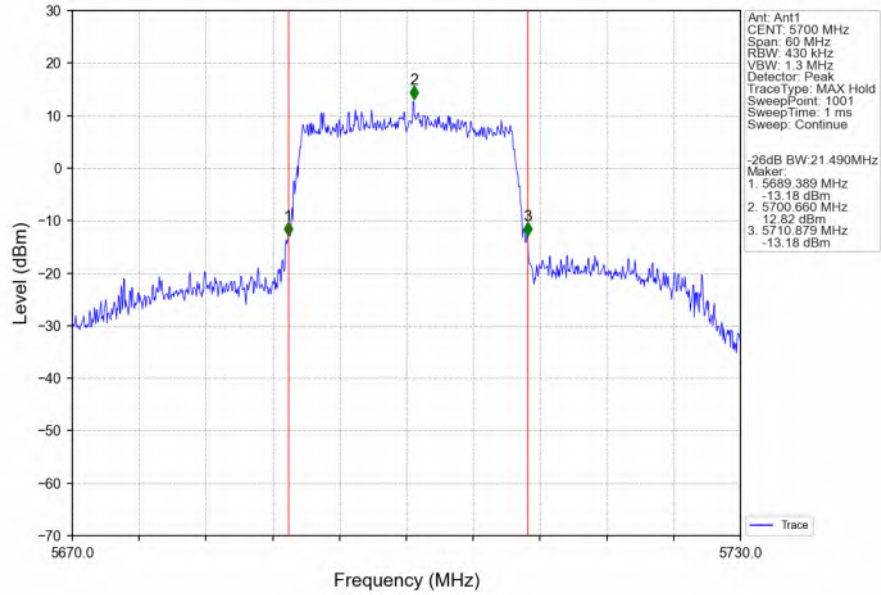
802.11ax(HEW20)_LCH_5500MHz_SU_ / _Ant1_NTNV



802.11ax(HEW20)_MCH_5580MHz_SU_ / _Ant1_NTNV

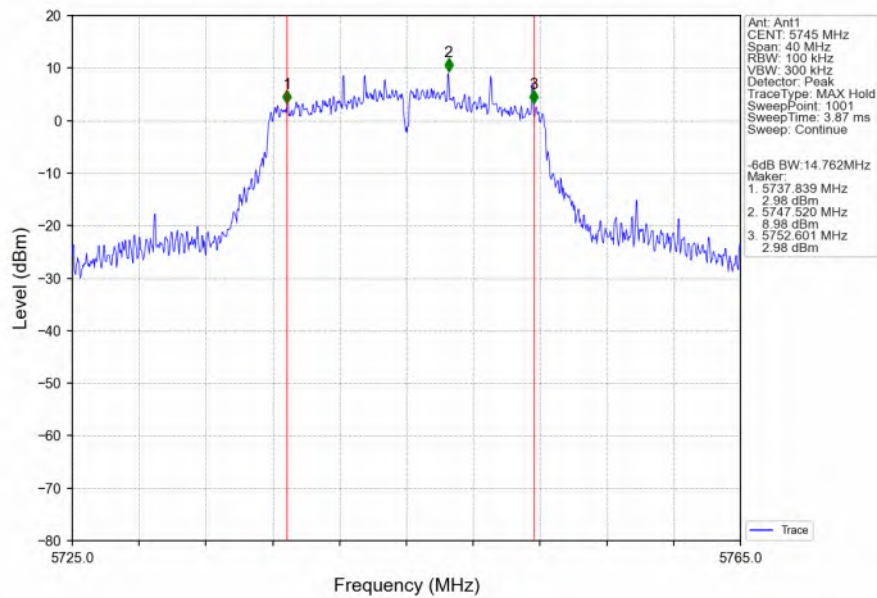


802.11ax(HEW20)_HCH_5700MHz_SU_/_Ant1_NTNV

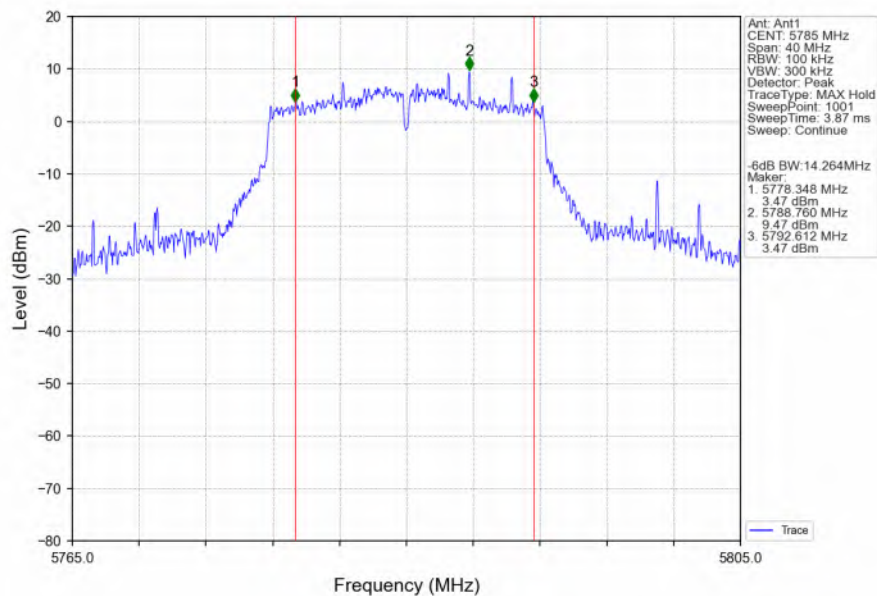


2.2.3 6dB BW

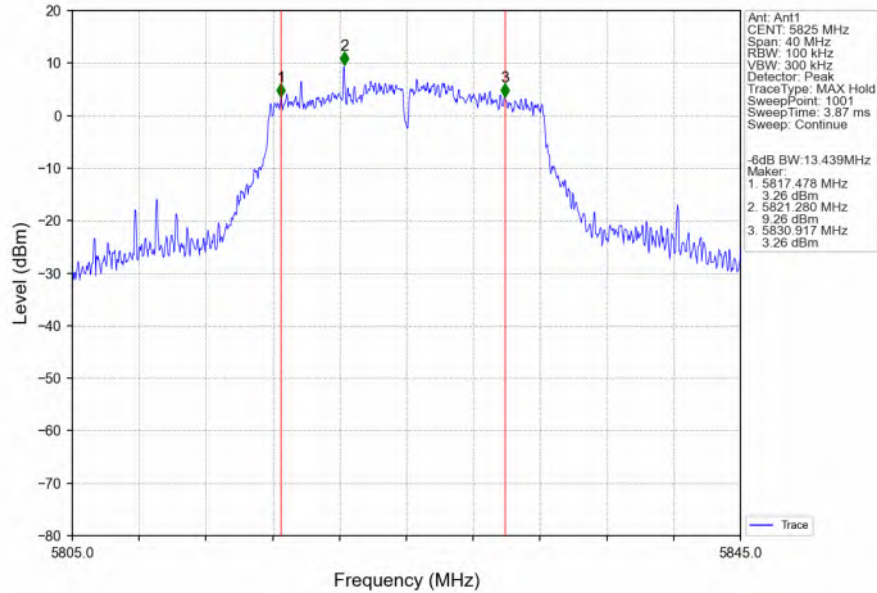
802.11a_LCH_5745MHz_Ant1_NTNV



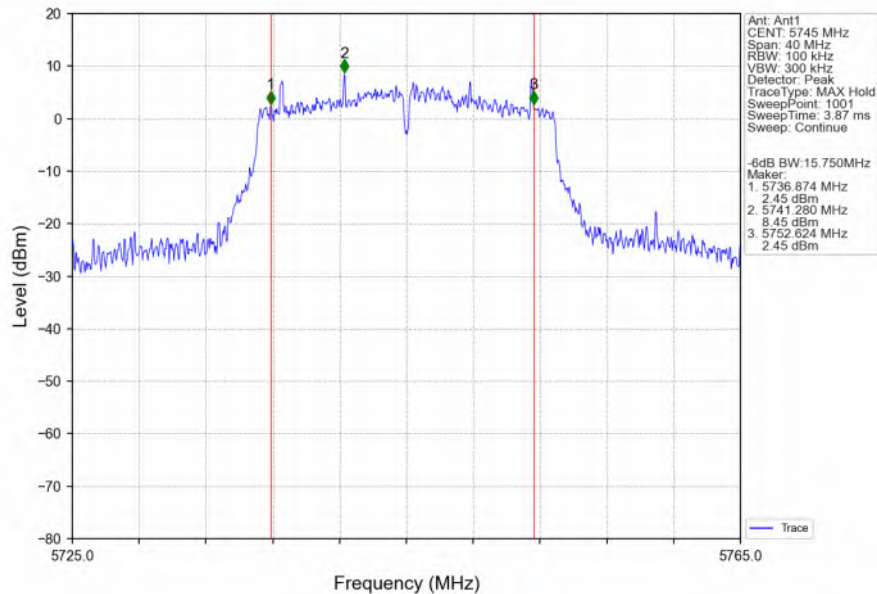
802.11a_MCH_5785MHz_Ant1_NTNV



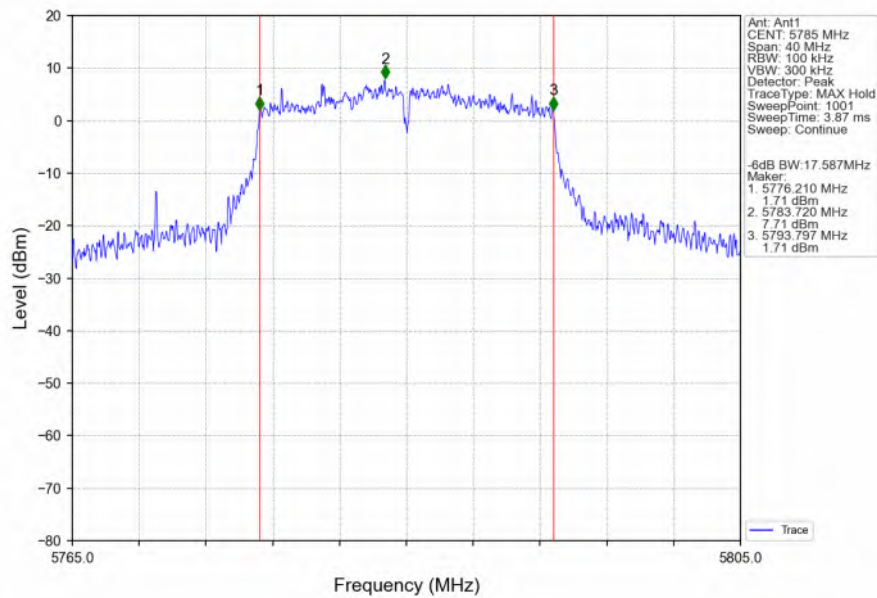
802.11a_HCH_5825MHz_Ant1_NTNV



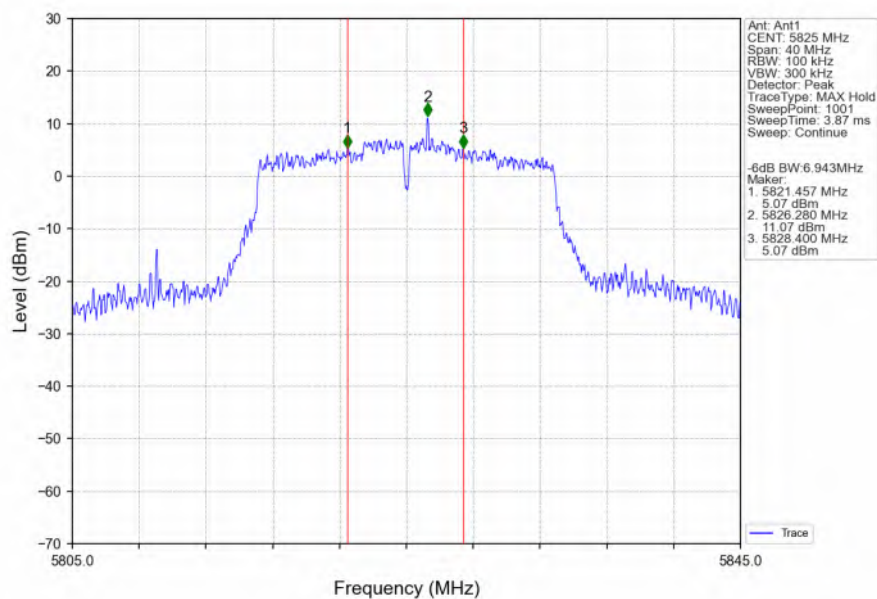
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



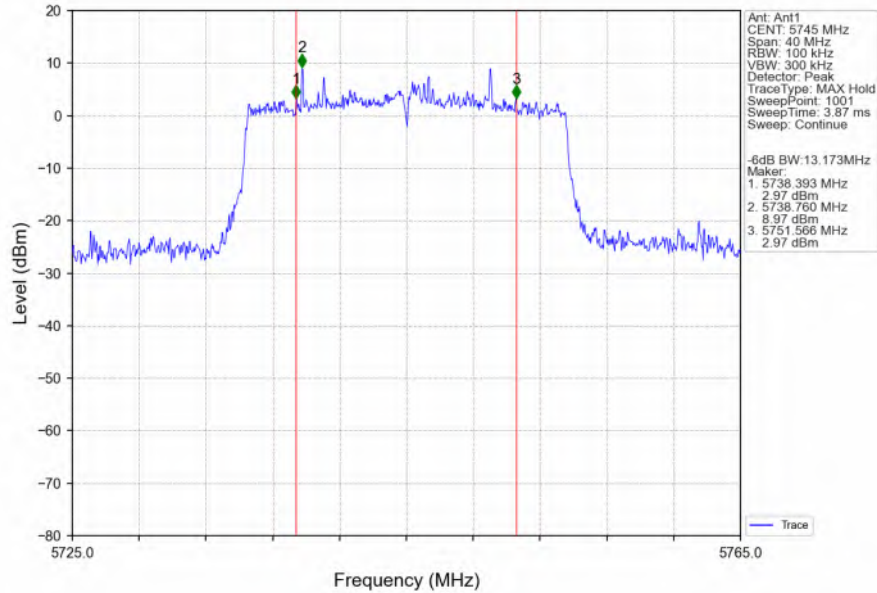
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



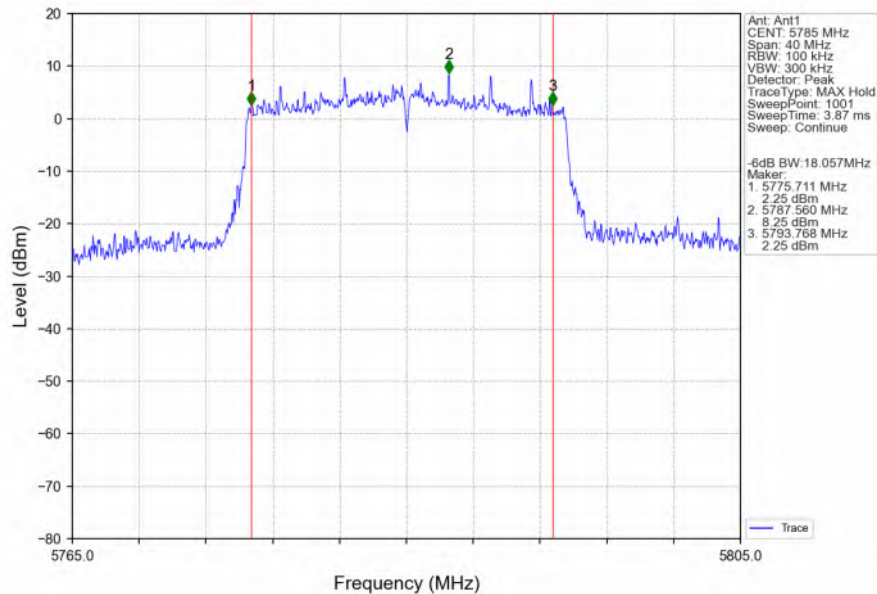
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



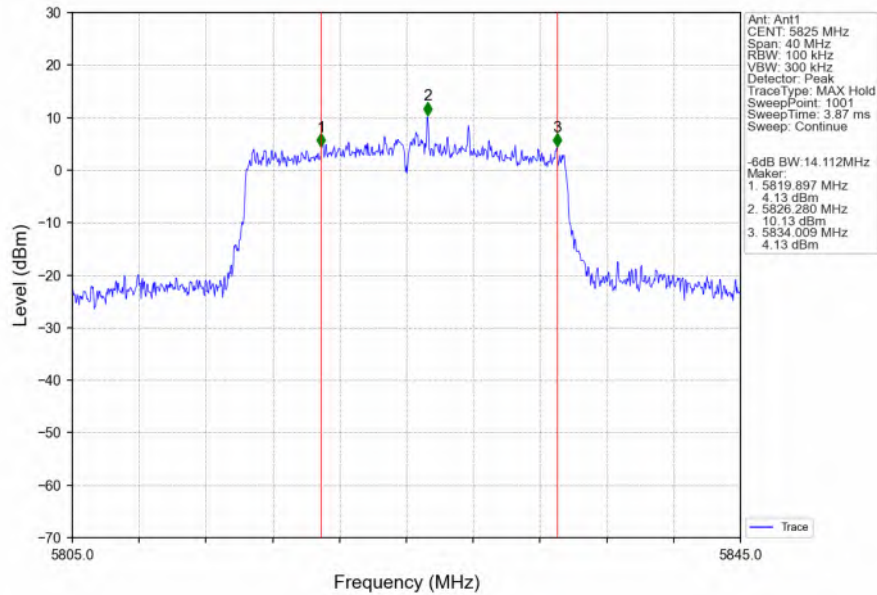
802.11ax(HEW20)_LCH_5745MHz_SU_ / _Ant1_NTNV



802.11ax(HEW20)_MCH_5785MHz_SU_ / _Ant1_NTNV



802.11ax(HEW20)_HCH_5825MHz_SU_ / _Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	18.36	<=23.98	Pass
		5200	/	/	17.57	<=23.98	Pass
		5240	/	/	19.55	<=23.98	Pass
		5260	/	/	18.16	<=23.98	Pass
		5300	/	/	18.40	<=23.98	Pass
		5320	/	/	18.37	<=23.98	Pass
		5500	/	/	17.71	<=23.98	Pass
		5580	/	/	18.19	<=23.98	Pass
		5700	/	/	19.75	<=23.98	Pass
		5745	/	/	18.73	<=30	Pass
		5785	/	/	19.43	<=30	Pass
		5825	/	/	19.11	<=30	Pass
802.11n (HT20)	SISO	5180	/	/	17.16	<=23.98	Pass
		5200	/	/	17.21	<=23.98	Pass
		5240	/	/	19.44	<=23.98	Pass
		5260	/	/	19.08	<=23.98	Pass
		5300	/	/	19.31	<=23.98	Pass
		5320	/	/	19.68	<=23.98	Pass
		5500	/	/	17.35	<=23.98	Pass
		5580	/	/	16.85	<=23.98	Pass
		5700	/	/	16.69	<=23.98	Pass
		5745	/	/	18.74	<=30	Pass
		5785	/	/	19.22	<=30	Pass
		5825	/	/	19.57	<=30	Pass
802.11ac (VHT20)	SISO	5180	/	/	17.23	<=23.98	Pass
		5200	/	/	17.28	<=23.98	Pass
		5240	/	/	19.48	<=23.98	Pass
		5260	/	/	19.07	<=23.98	Pass
		5300	/	/	19.37	<=23.98	Pass
		5320	/	/	19.67	<=23.98	Pass
		5500	/	/	17.37	<=23.98	Pass

		5580	/	/	16.83	<=23.98	Pass
		5700	/	/	16.78	<=23.98	Pass
		5745	/	/	18.71	<=30	Pass
		5785	/	/	19.26	<=30	Pass
		5825	/	/	19.58	<=30	Pass
802.11ax (HEW20)	SISO	5180	RU26	Left	6.60	<=23.98	Pass
			RU52	Left	10.12	<=23.98	Pass
			RU106	Left	12.73	<=23.98	Pass
			SU	/	17.33	<=23.98	Pass
		5200	RU26	Left	6.62	<=23.98	Pass
			RU52	Left	9.47	<=23.98	Pass
			RU106	Left	12.30	<=23.98	Pass
			SU	/	18.32	<=23.98	Pass
		5240	RU26	Right	7.75	<=23.98	Pass
			RU52	Right	10.75	<=23.98	Pass
			RU106	Right	13.73	<=23.98	Pass
			SU	/	19.61	<=23.98	Pass
		5260	RU26	Left	7.33	<=23.98	Pass
			RU52	Left	9.16	<=23.98	Pass
			RU106	Left	12.00	<=23.98	Pass
			SU	/	19.78	<=23.98	Pass
		5300	RU26	Left	10.09	<=23.98	Pass
			RU52	Left	11.66	<=23.98	Pass
			RU106	Left	12.50	<=23.98	Pass
			SU	/	19.83	<=23.98	Pass
		5320	RU26	Right	10.57	<=23.98	Pass
			RU52	Right	12.44	<=23.98	Pass
			RU106	Right	13.90	<=23.98	Pass
			SU	/	19.79	<=23.98	Pass
		5500	RU26	Left	8.23	<=23.98	Pass
			RU52	Left	10.94	<=23.98	Pass
			RU106	Left	12.55	<=23.98	Pass
			SU	/	17.49	<=23.98	Pass
		5580	RU26	Left	8.31	<=23.98	Pass
			RU52	Left	10.40	<=23.98	Pass
			RU106	Left	11.77	<=23.98	Pass
			SU	/	16.95	<=23.98	Pass
		5700	RU26	Right	6.40	<=23.98	Pass
			RU52	Right	9.73	<=23.98	Pass
			RU106	Right	11.89	<=23.98	Pass
			SU	/	16.72	<=23.98	Pass

		5745	RU26	Left	8.74	≤ 30	Pass
			RU52	Left	11.26	≤ 30	Pass
			RU106	Left	12.45	≤ 30	Pass
			SU	/	18.87	≤ 30	Pass
		5785	RU26	Left	9.19	≤ 30	Pass
			RU52	Left	11.73	≤ 30	Pass
			RU106	Left	13.00	≤ 30	Pass
			SU	/	19.33	≤ 30	Pass
		5825	RU26	Right	9.43	≤ 30	Pass
			RU52	Right	11.60	≤ 30	Pass
			RU106	Right	13.52	≤ 30	Pass
			SU	/	19.62	≤ 30	Pass

Note1: Antenna Gain:

- Band: 1 Ant1: -0.70dBi;
- Band: 3 Ant1: -1.50dBi;
- Band: 2A Ant1: -0.80dBi;
- Band: 2C Ant1: -1.20dBi;

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	8.52	<=11	Pass
		5200	/	/	7.54	<=11	Pass
		5240	/	/	9.74	<=11	Pass
		5260	/	/	8.17	<=11	Pass
		5300	/	/	8.62	<=11	Pass
		5320	/	/	8.44	<=11	Pass
		5500	/	/	7.80	<=11	Pass
		5580	/	/	8.24	<=11	Pass
		5700	/	/	9.88	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	8.17	<=11	Pass
		5200	/	/	7.28	<=11	Pass
		5240	/	/	9.31	<=11	Pass
		5260	/	/	9.12	<=11	Pass
		5300	/	/	9.67	<=11	Pass
		5320	/	/	9.74	<=11	Pass
		5500	/	/	7.31	<=11	Pass
		5580	/	/	6.98	<=11	Pass
		5700	/	/	7.15	<=11	Pass
802.11ax (HEW20)	SISO	5180	RU26	Left	4.22	<=11	Pass
			RU52	Left	4.51	<=11	Pass
			RU106	Left	5.23	<=11	Pass
			SU	/	7.61	<=11	Pass
		5200	RU26	Left	4.10	<=11	Pass
			RU52	Left	3.87	<=11	Pass
			RU106	Left	5.30	<=11	Pass
			SU	/	7.48	<=11	Pass
		5240	RU26	Right	5.30	<=11	Pass
			RU52	Right	5.66	<=11	Pass
			RU106	Right	4.37	<=11	Pass
			SU	/	8.79	<=11	Pass
		5260	RU26	Left	4.70	<=11	Pass
			RU52	Left	3.51	<=11	Pass

			RU106	Left	3.99	<=11	Pass
			SU	/	9.38	<=11	Pass
		5300	RU26	Left	7.47	<=11	Pass
			RU52	Left	6.37	<=11	Pass
			RU106	Left	6.37	<=11	Pass
			SU	/	9.35	<=11	Pass
		5320	RU26	Right	8.00	<=11	Pass
			RU52	Right	7.22	<=11	Pass
			RU106	Right	6.02	<=11	Pass
			SU	/	9.11	<=11	Pass
		5500	RU26	Left	5.77	<=11	Pass
			RU52	Left	5.58	<=11	Pass
			RU106	Left	4.29	<=11	Pass
			SU	/	6.78	<=11	Pass
		5580	RU26	Left	5.67	<=11	Pass
			RU52	Left	5.16	<=11	Pass
			RU106	Left	3.36	<=11	Pass
			SU	/	6.35	<=11	Pass
		5700	RU26	Right	4.04	<=11	Pass
			RU52	Right	5.13	<=11	Pass
			RU106	Right	3.27	<=11	Pass
			SU	/	6.20	<=11	Pass

Note1: Antenna Gain:
- Band: 1 Ant1: -0.70dBi;
- Band: 3 Ant1: -1.50dBi;
- Band: 2A Ant1: -0.80dBi;
- Band: 2C Ant1: -1.20dBi;

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	6.02	<=30	Pass
		5785	/	/	6.39	<=30	Pass
		5825	/	/	6.53	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	5.96	<=30	Pass
		5785	/	/	6.27	<=30	Pass
		5825	/	/	6.62	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU26	Left	3.71	<=30	Pass
			RU52	Left	3.24	<=30	Pass
			RU106	Left	1.58	<=30	Pass
			SU	/	5.68	<=30	Pass
		5785	RU26	Left	4.60	<=30	Pass

			RU52	Left	3.12	<=30	Pass
			RU106	Left	2.86	<=30	Pass
			SU	/	5.91	<=30	Pass
		5825	RU26	Right	4.26	<=30	Pass
			RU52	Right	4.25	<=30	Pass
			RU106	Right	3.15	<=30	Pass
			SU	/	6.18	<=30	Pass

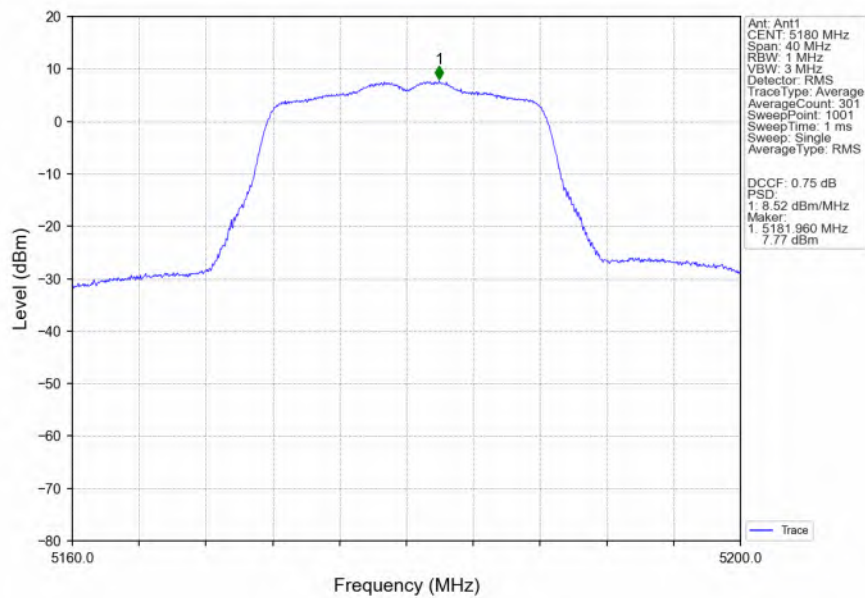
Note1: Antenna Gain:

- Band: 1 Ant1: -0.70dBi;
- Band: 3 Ant1: -1.50dBi;
- Band: 2A Ant1: -0.80dBi;
- Band: 2C Ant1: -1.20dBi;

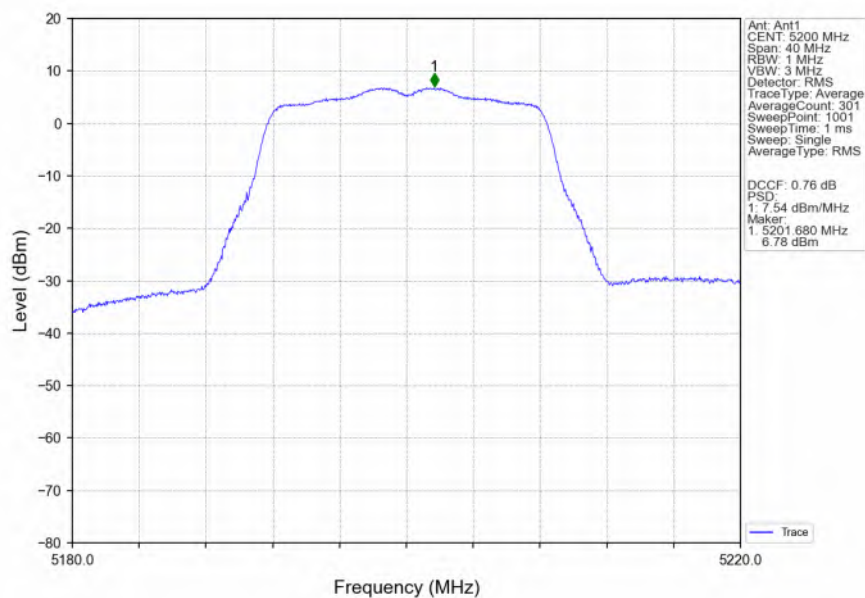
4.2 Test Graph

4.2.1 PSD

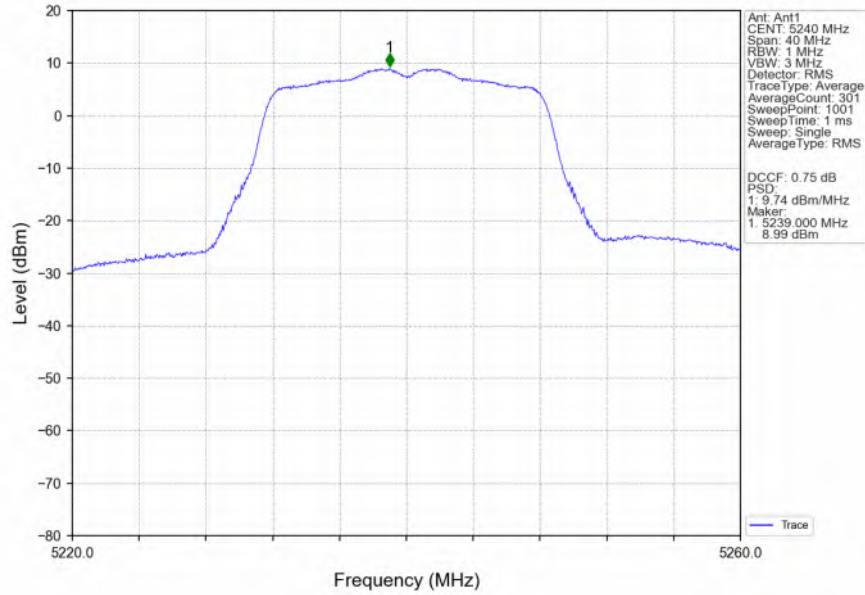
802.11a_LCH_5180MHz_Ant1_NTNV



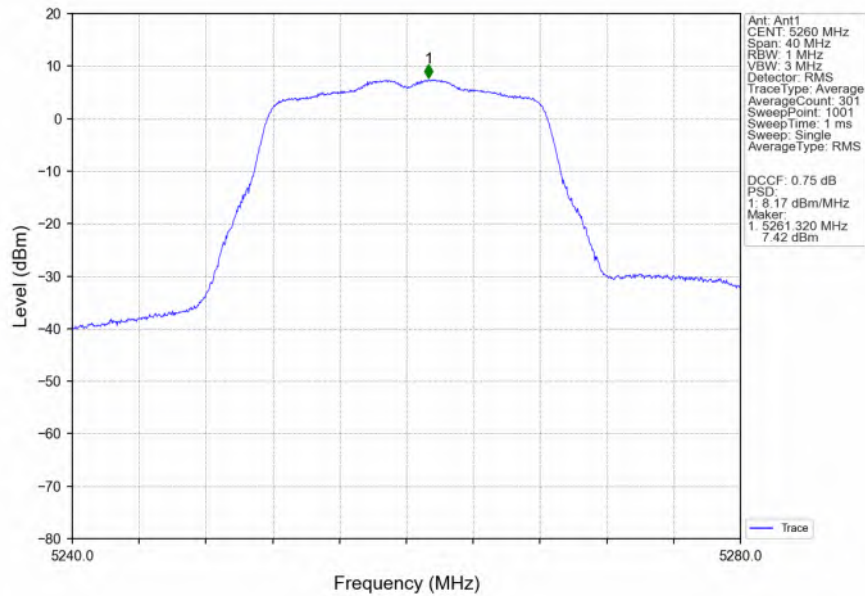
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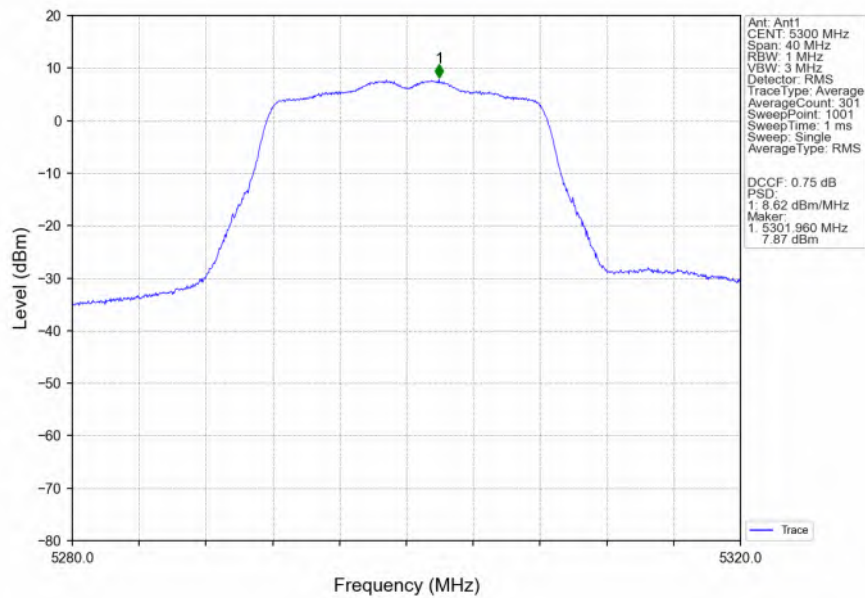
802.11a_HCH_5240MHz_Ant1_NTNV



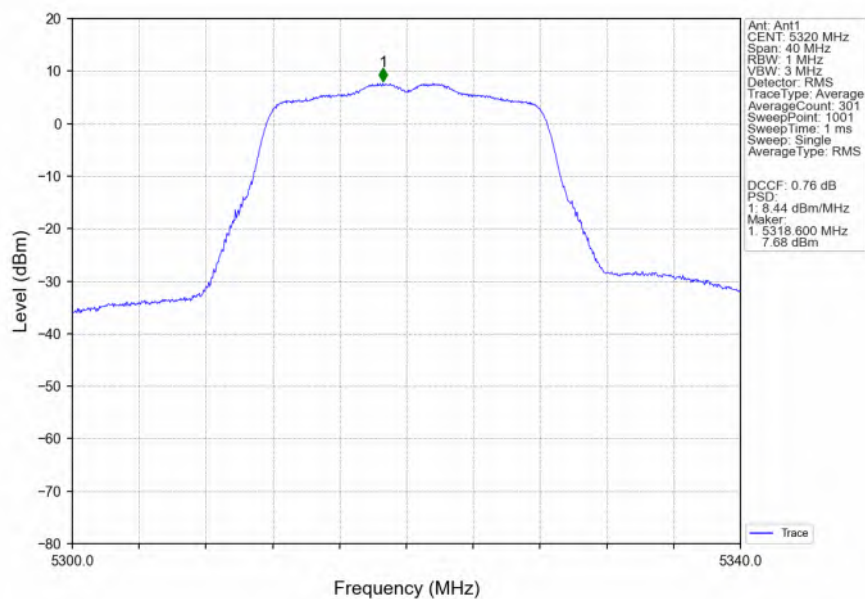
802.11a_LCH_5260MHz_Ant1_NTNV



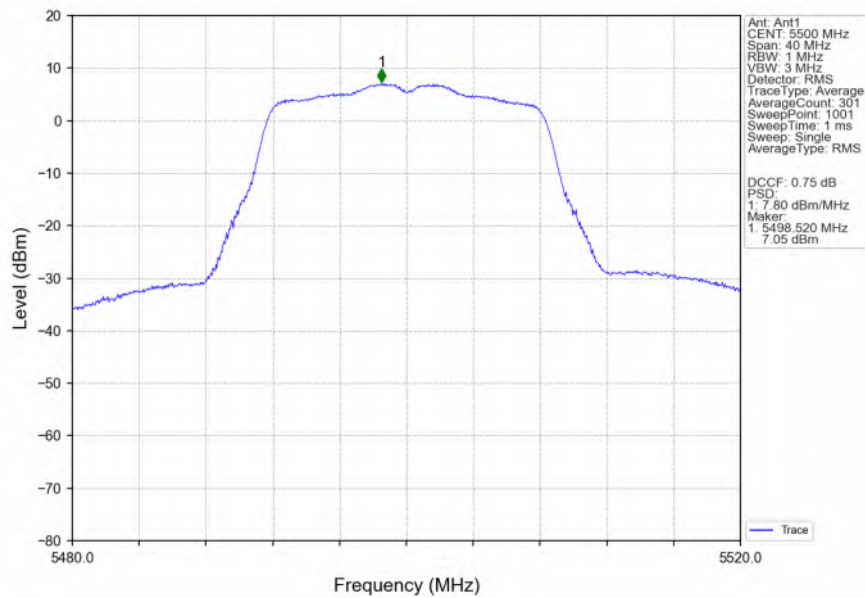
802.11a_MCH_5300MHz_Ant1_NTNV



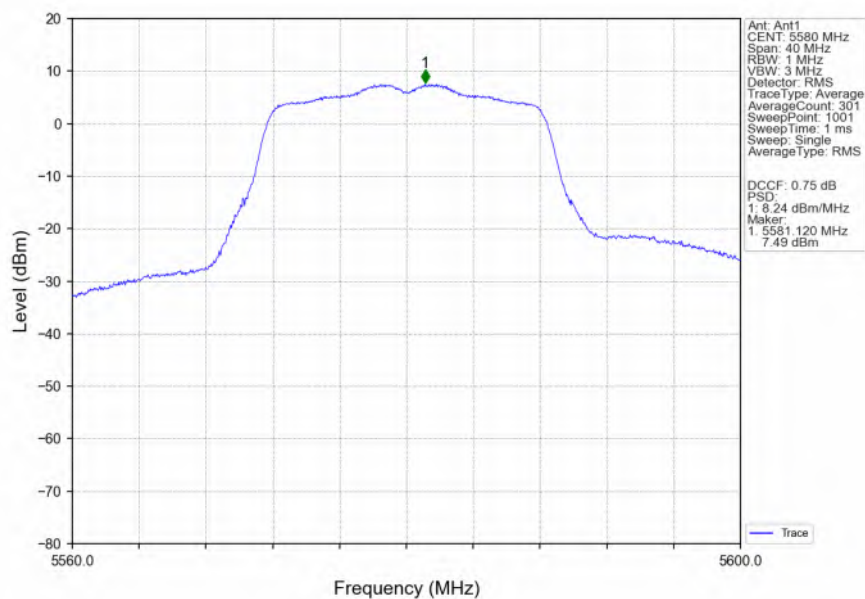
802.11a_HCH_5320MHz_Ant1_NTNV



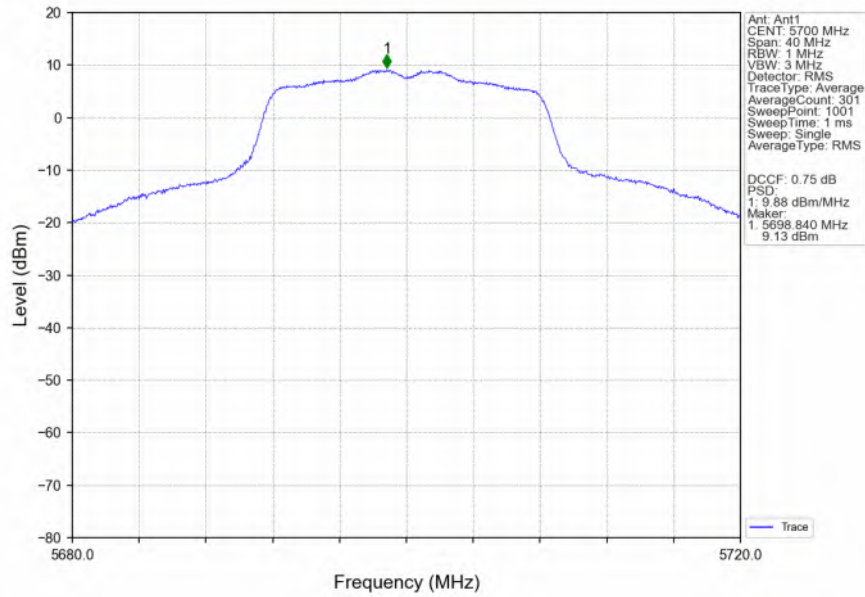
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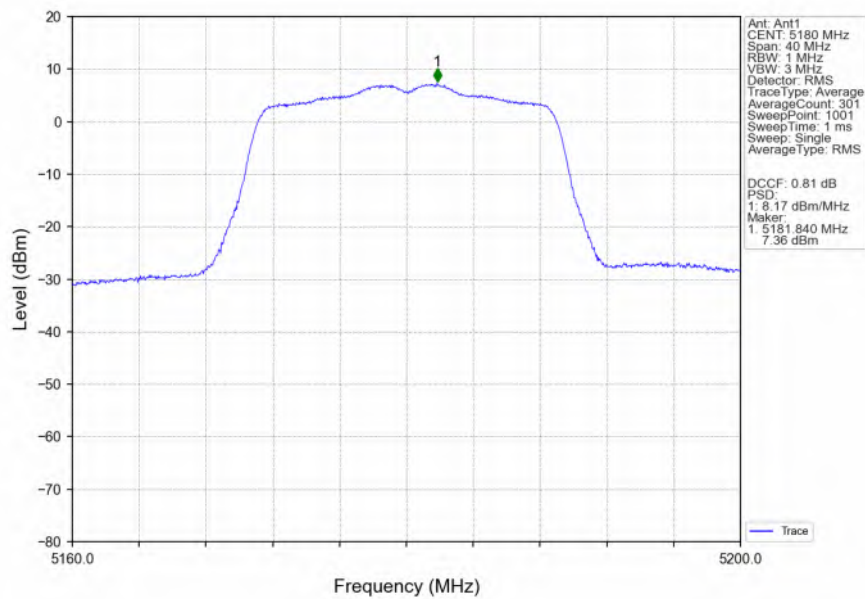
802.11a_MCH_5580MHz_Ant1_NTNV



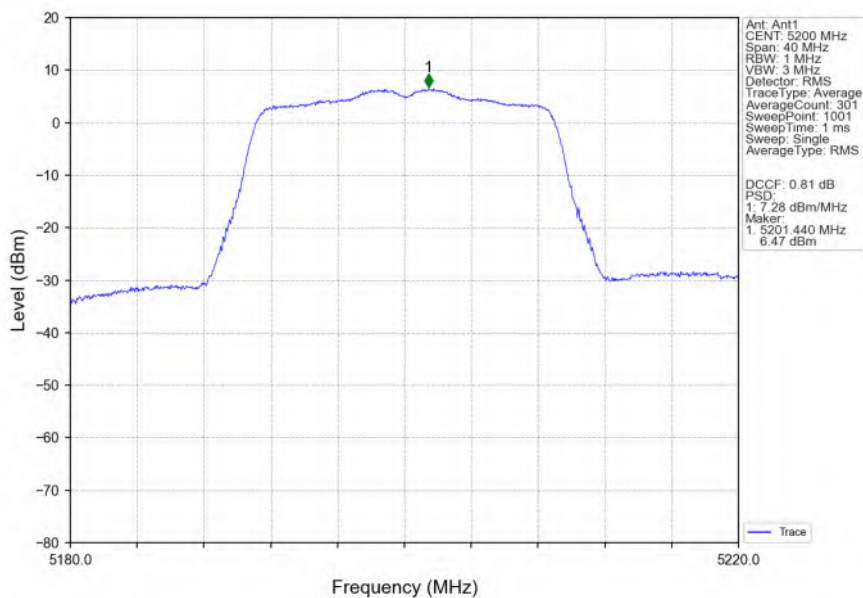
802.11a_HCH_5700MHz_Ant1_NTNV



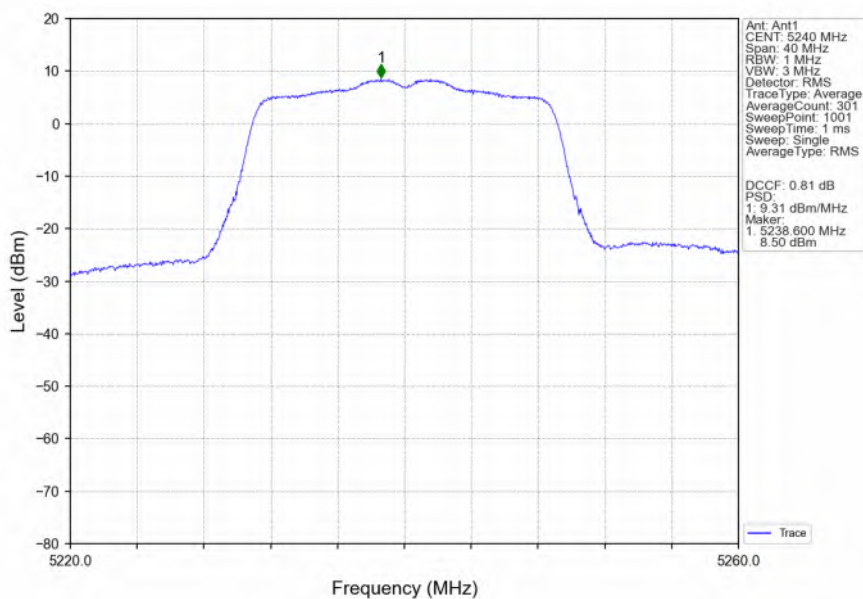
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



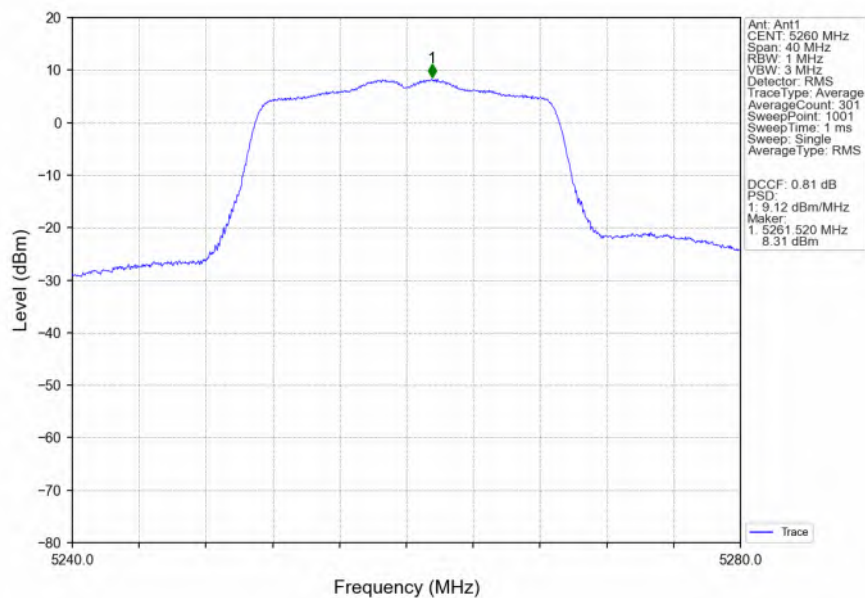
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



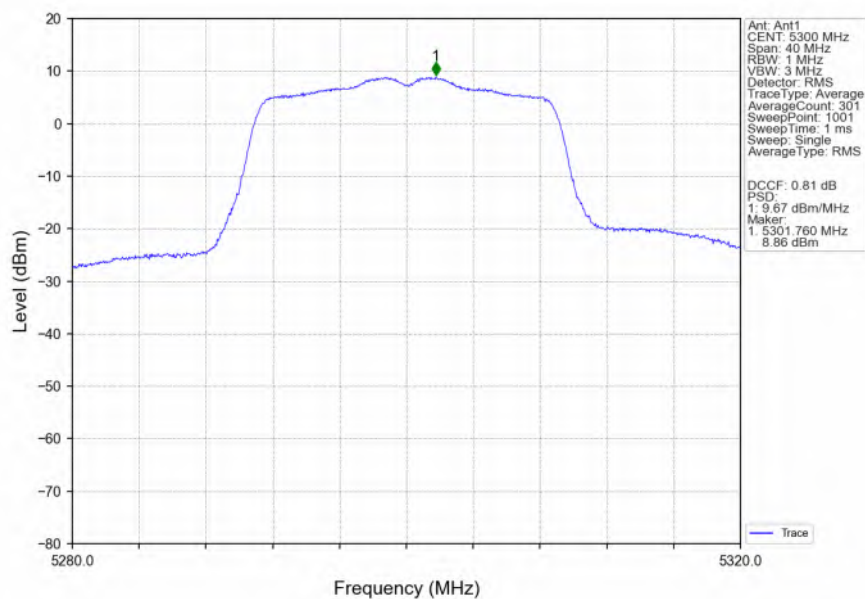
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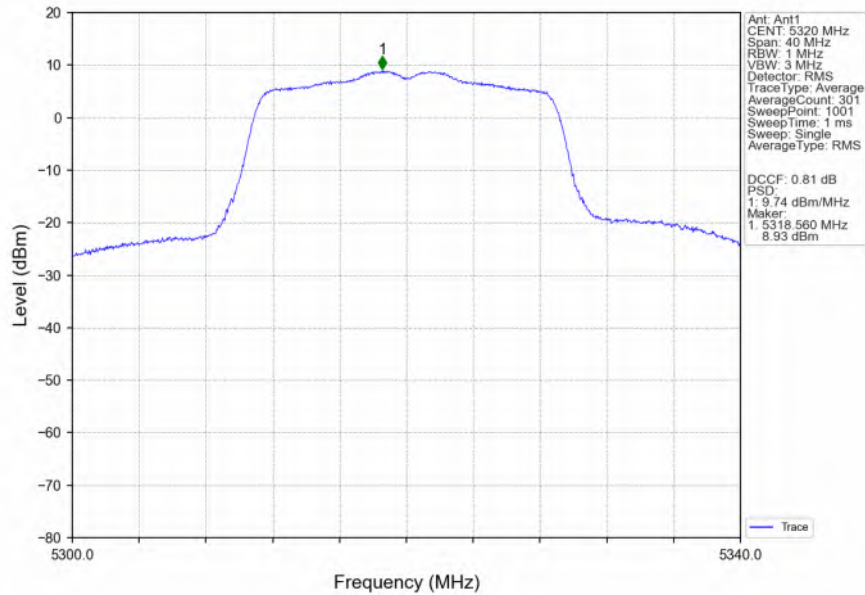
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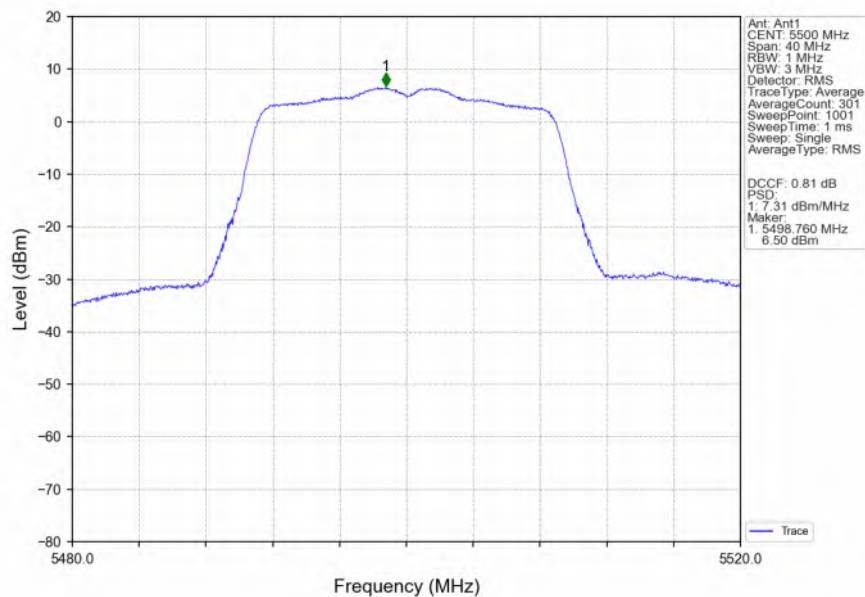
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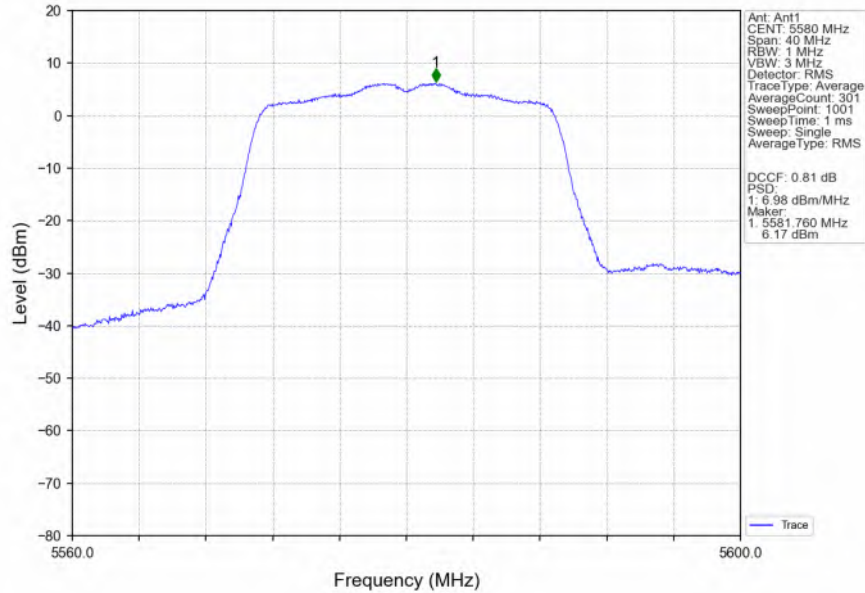
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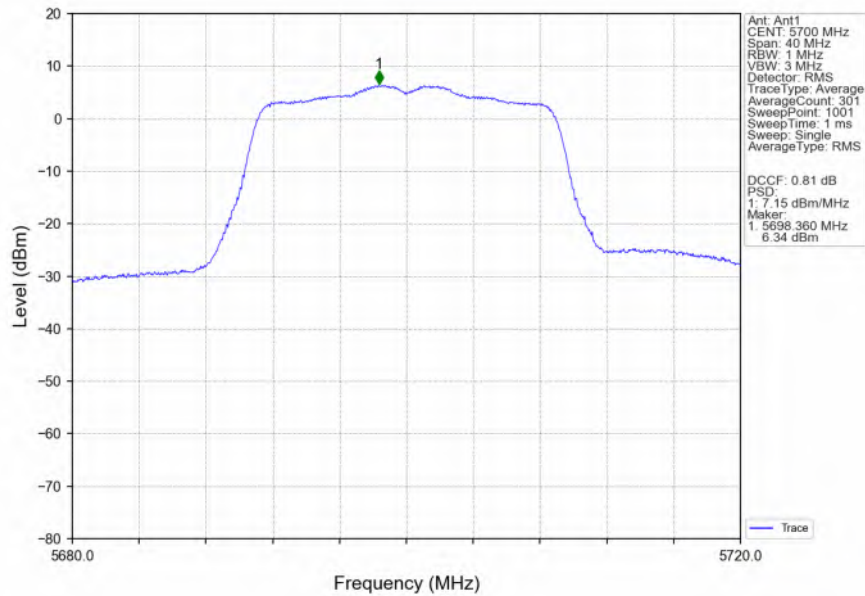
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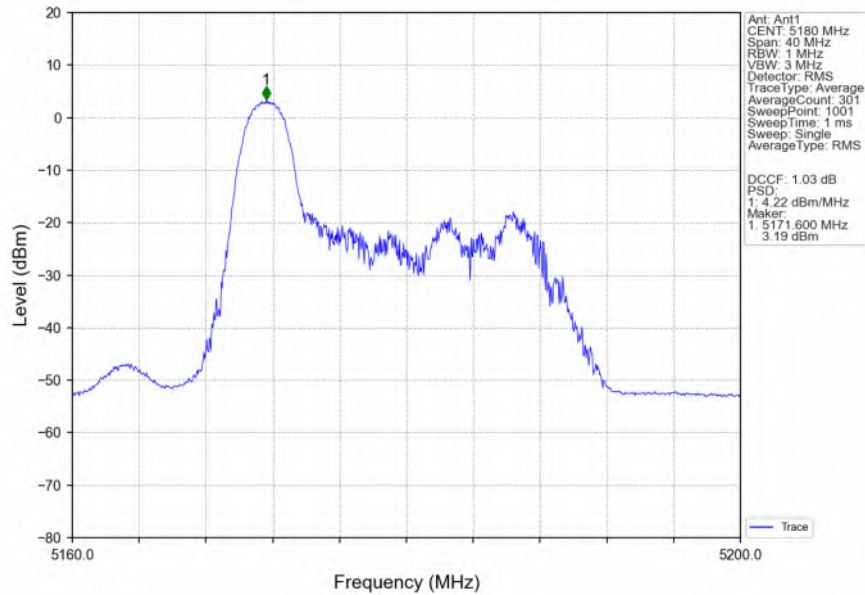
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



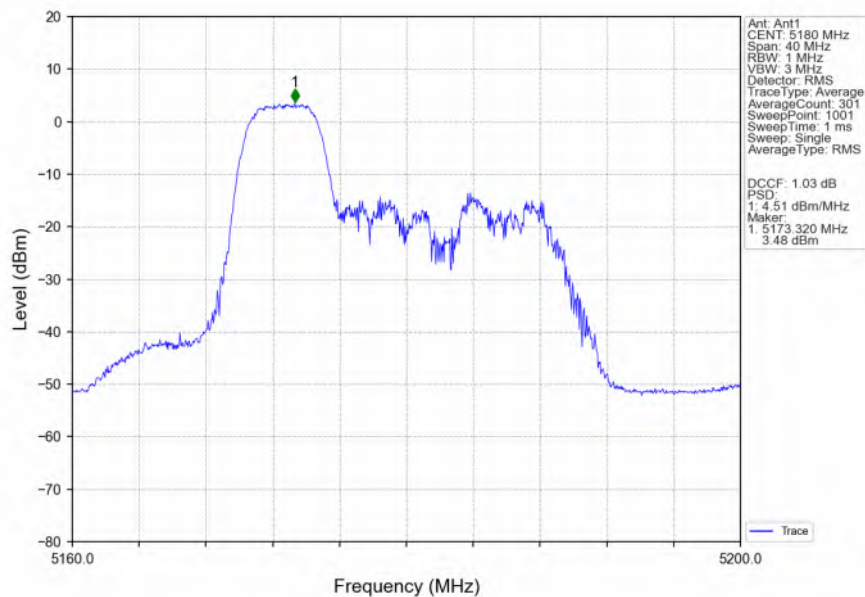
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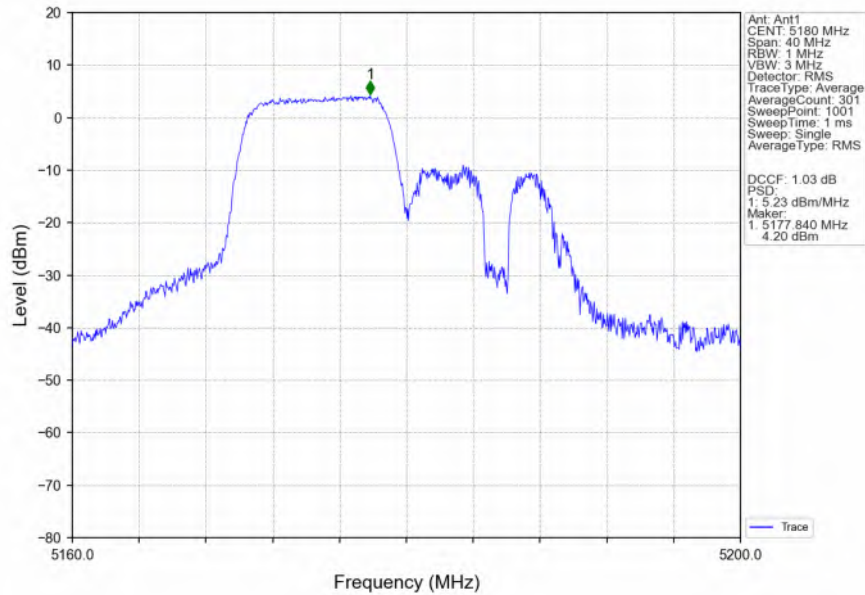
802.11ax(HEW20)_LCH_5180MHz_RU26_Left_Ant1_NTNV



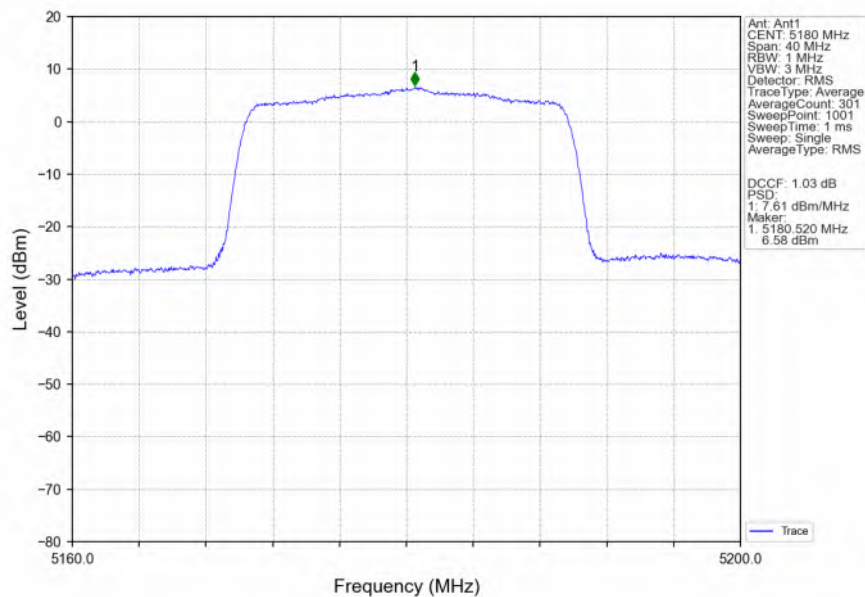
802.11ax(HEW20)_LCH_5180MHz_RU52_Left_Ant1_NTNV



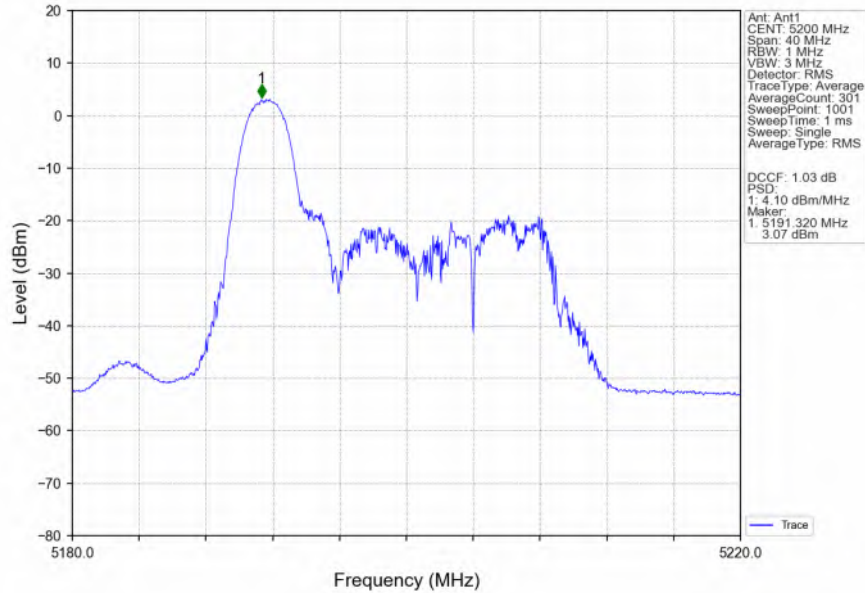
802.11ax(HEW20)_LCH_5180MHz_RU106_Left_Ant1_NTNV



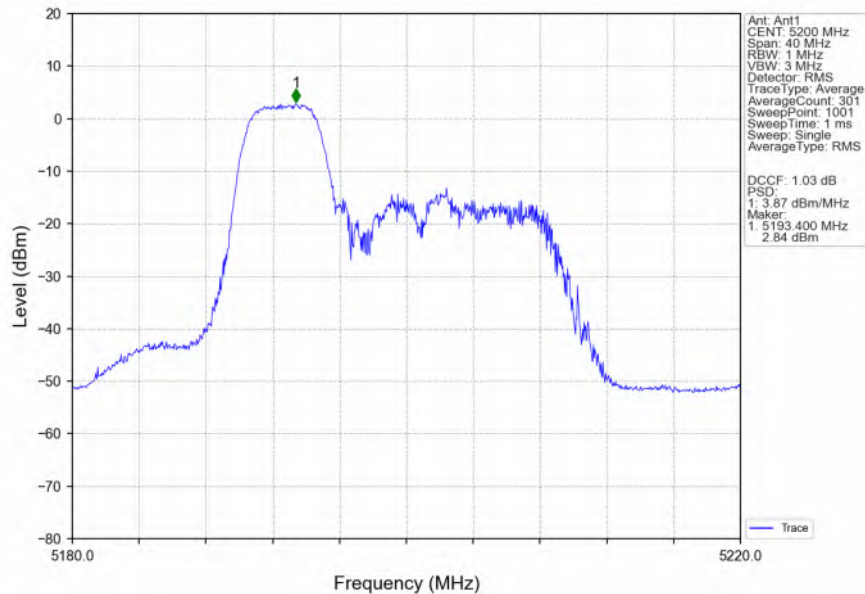
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



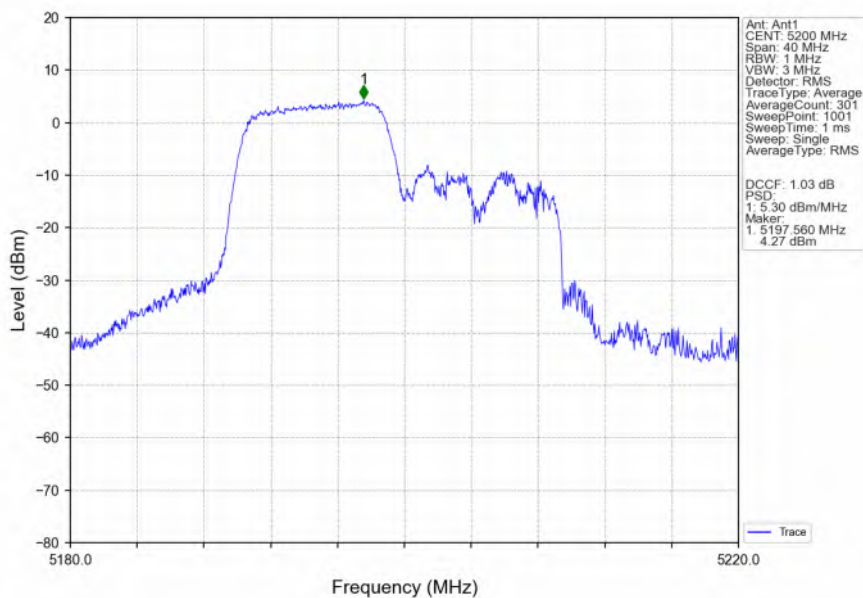
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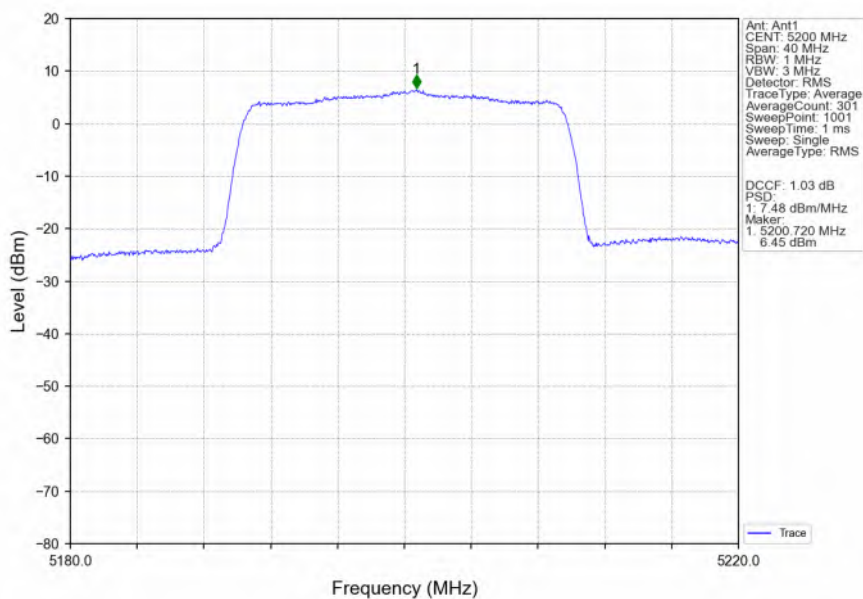
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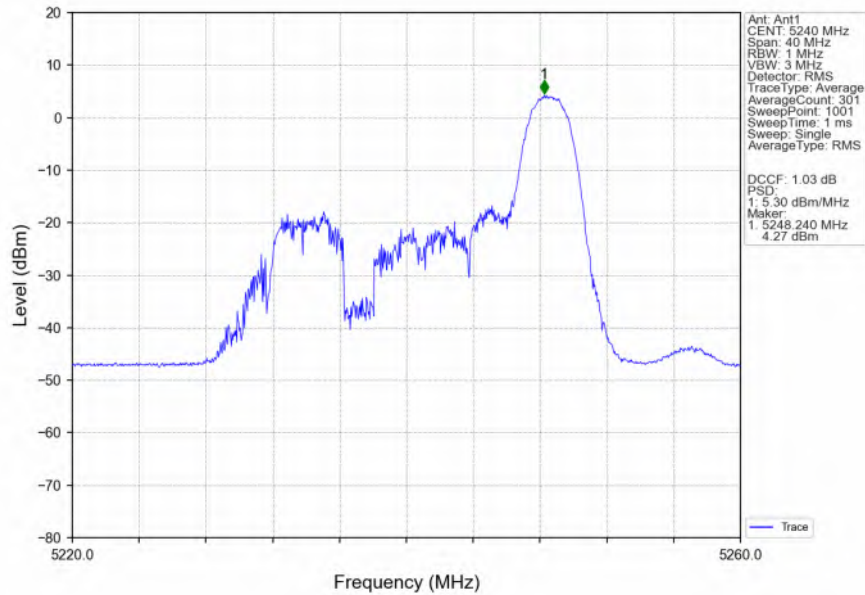
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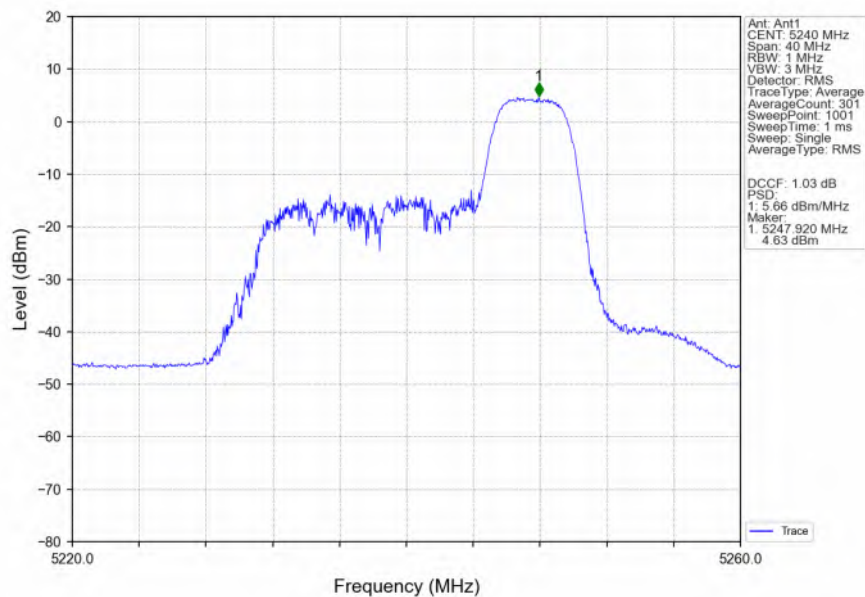
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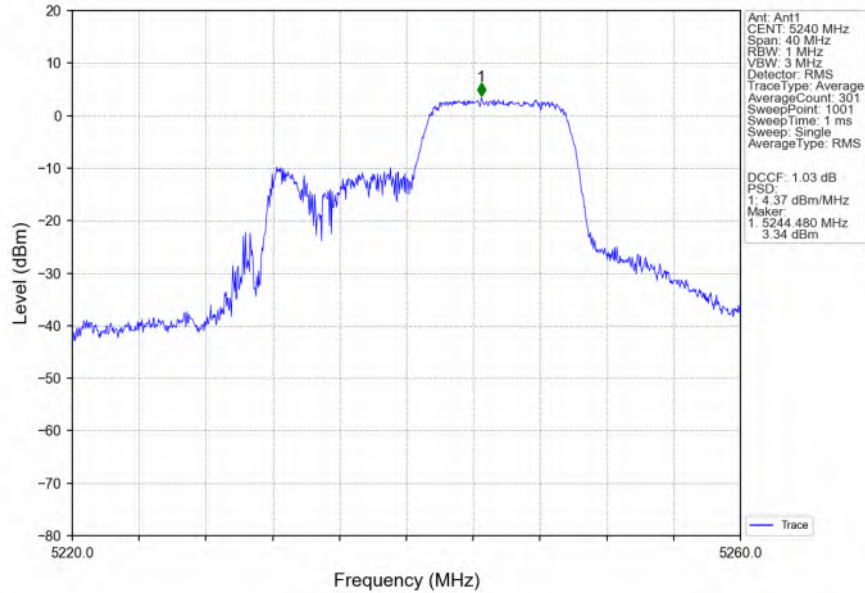
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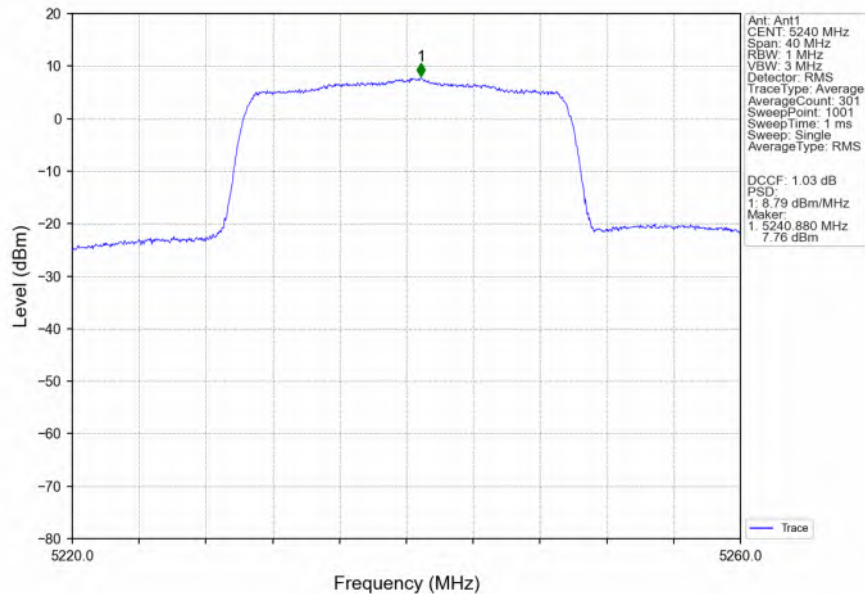
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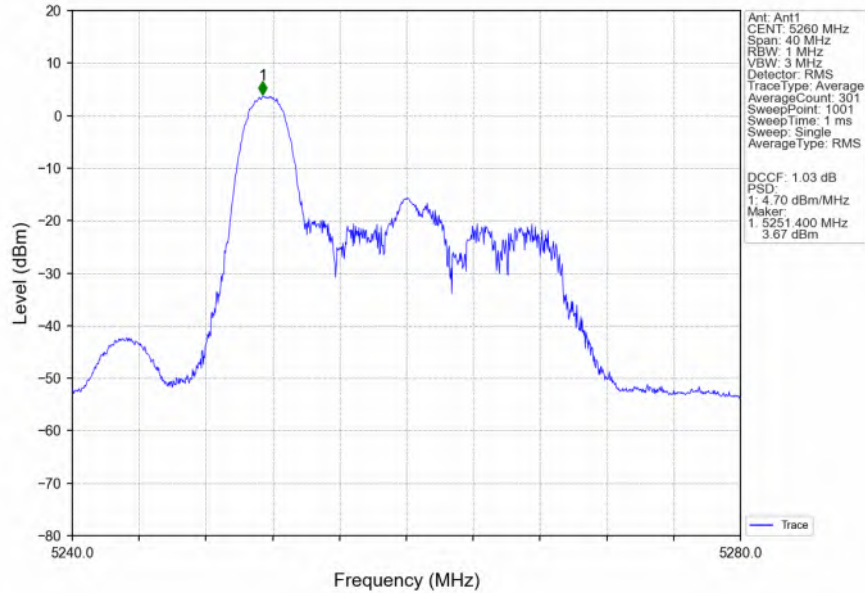
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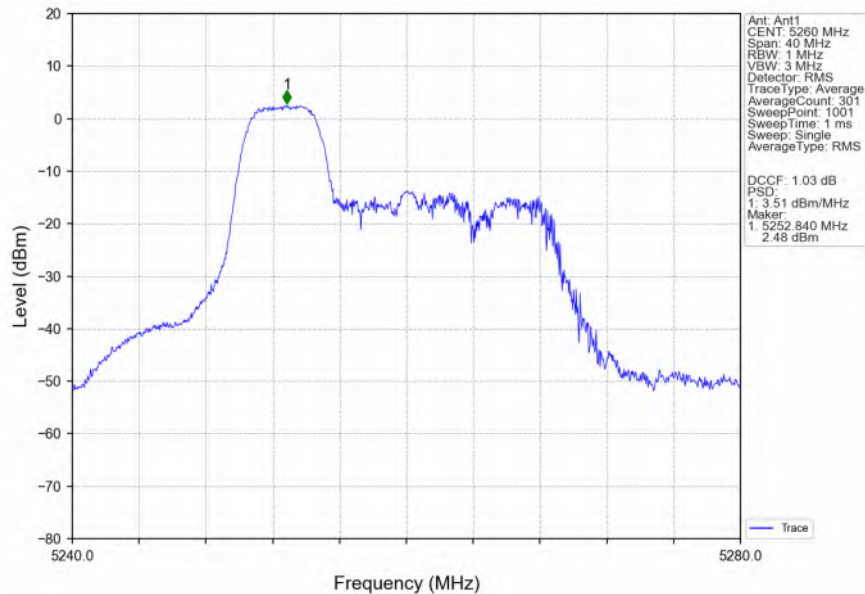
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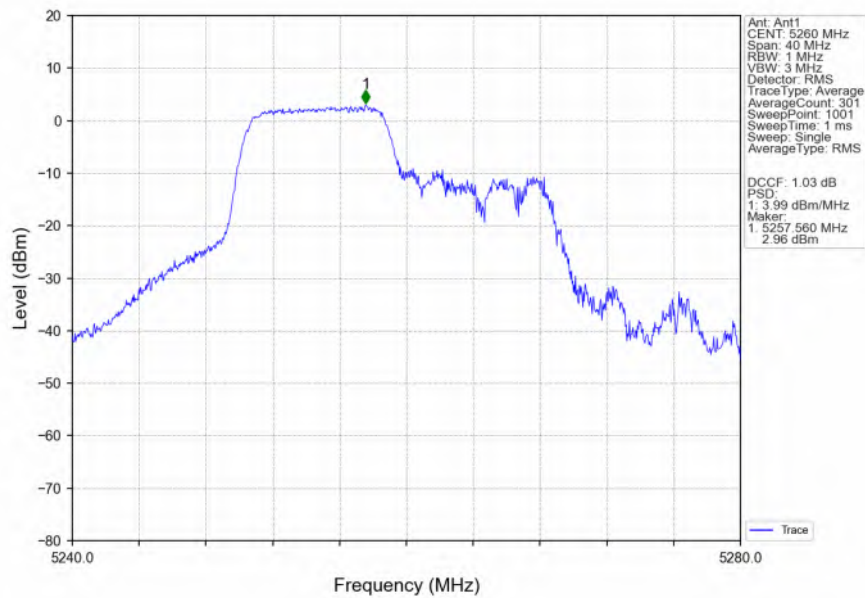
802.11ax(HEW20)_LCH_5260MHz_RU26_Left_Ant1_NTNV



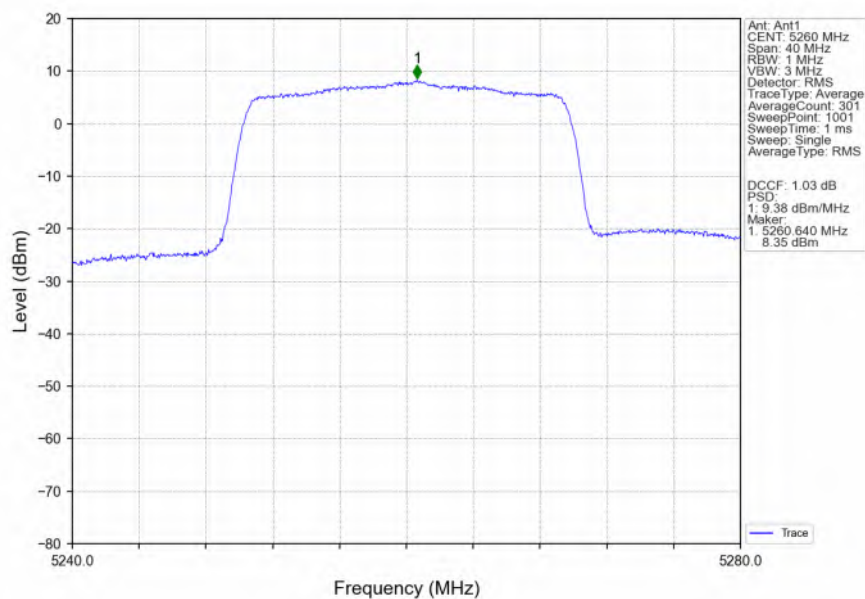
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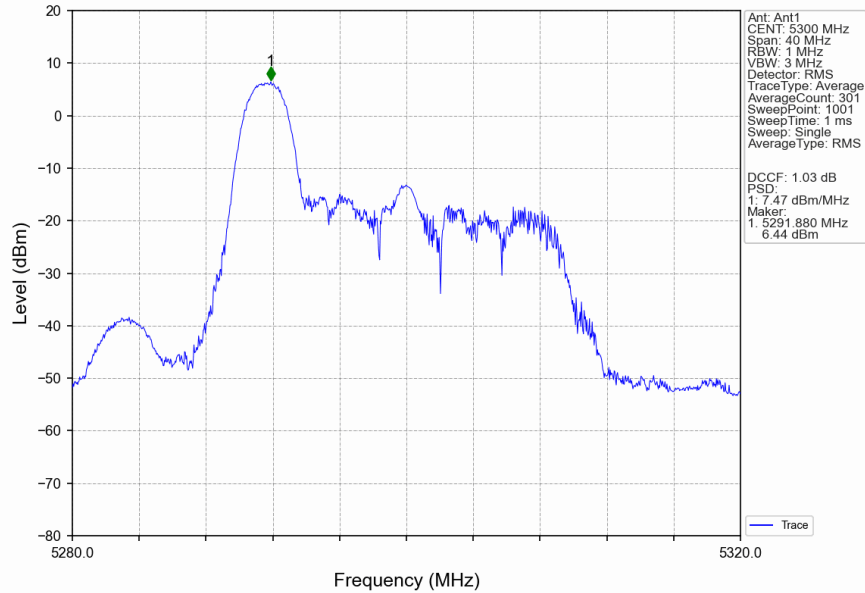
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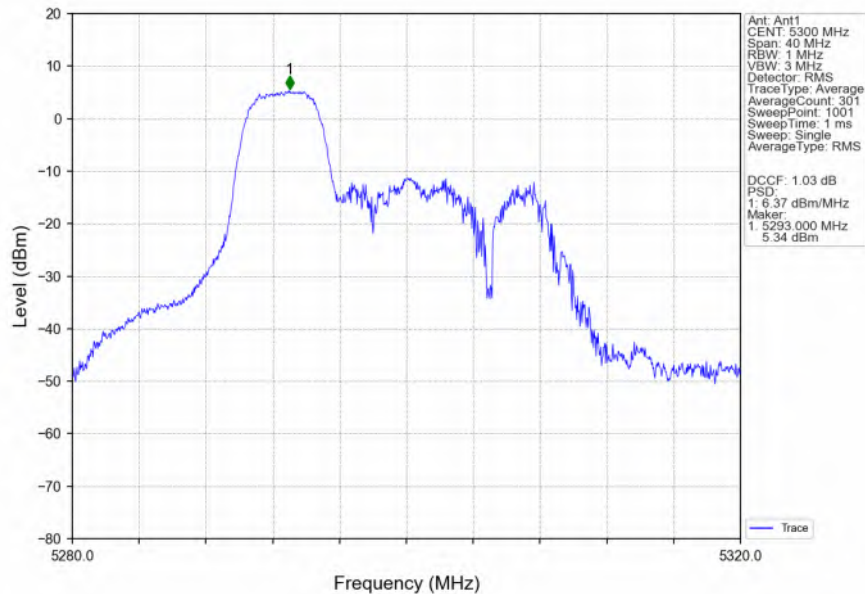
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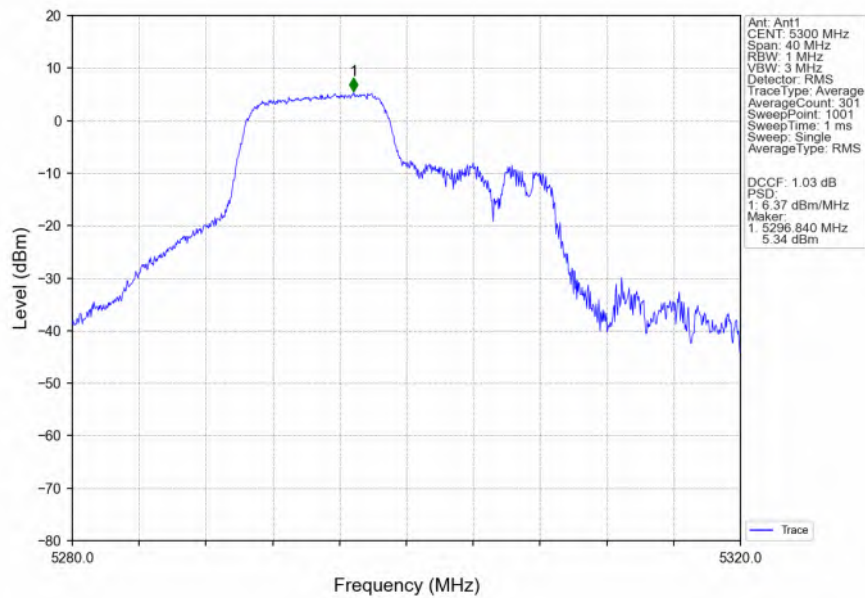
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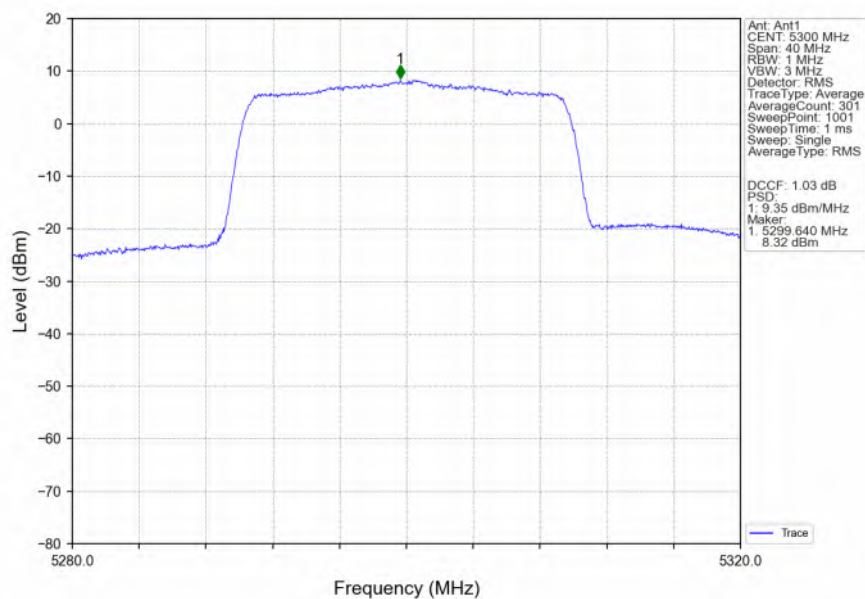
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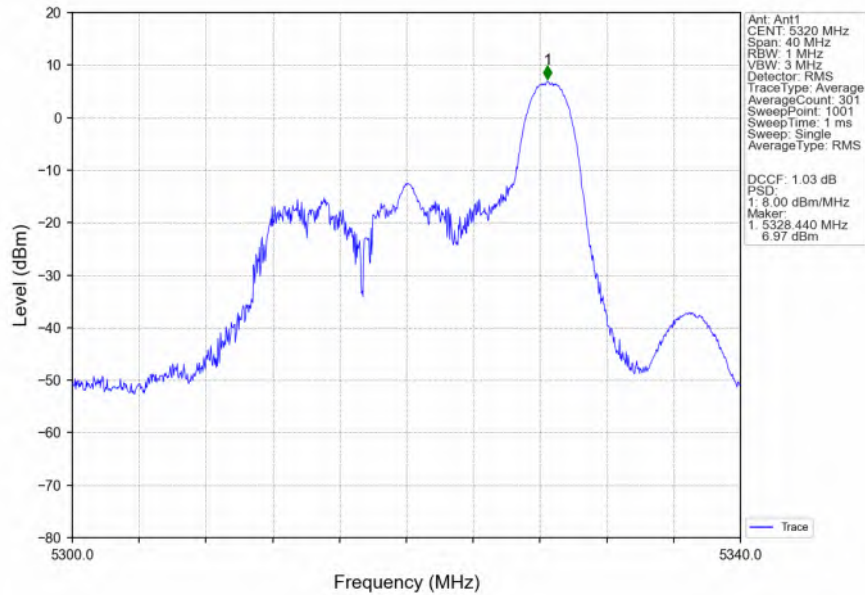
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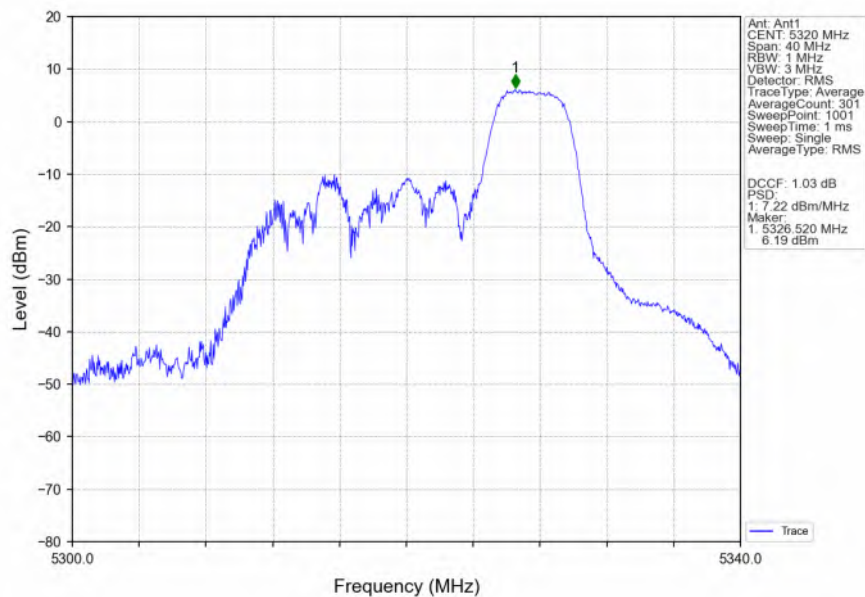
802.11ax(HEW20)_MCH_5300MHz_SU_/_Ant1_NTNV



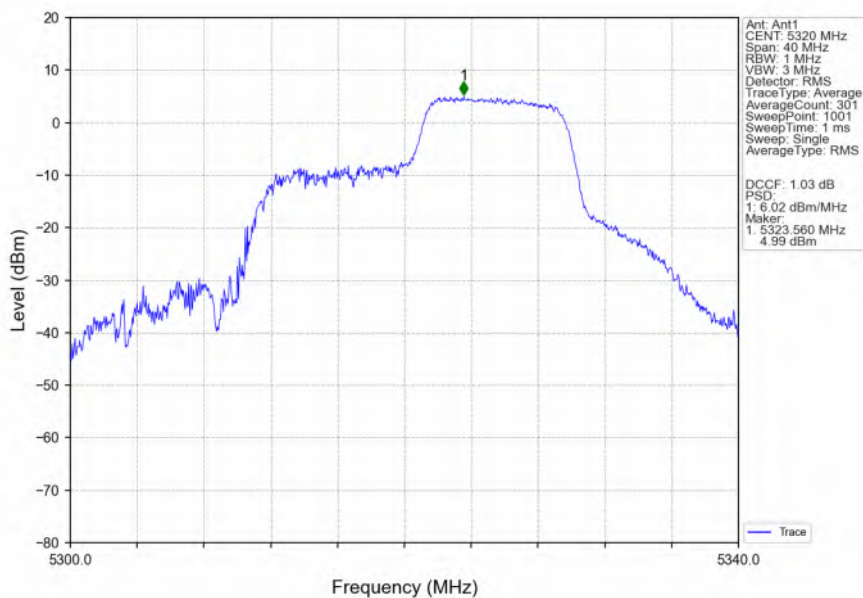
802.11ax(HEW20)_HCH_5320MHz_RU26_Right_Ant1_NTNV



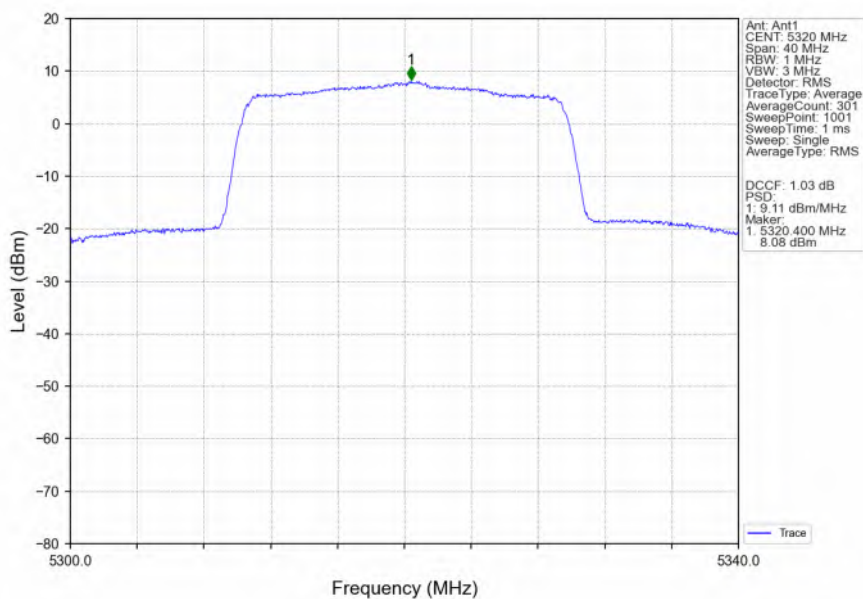
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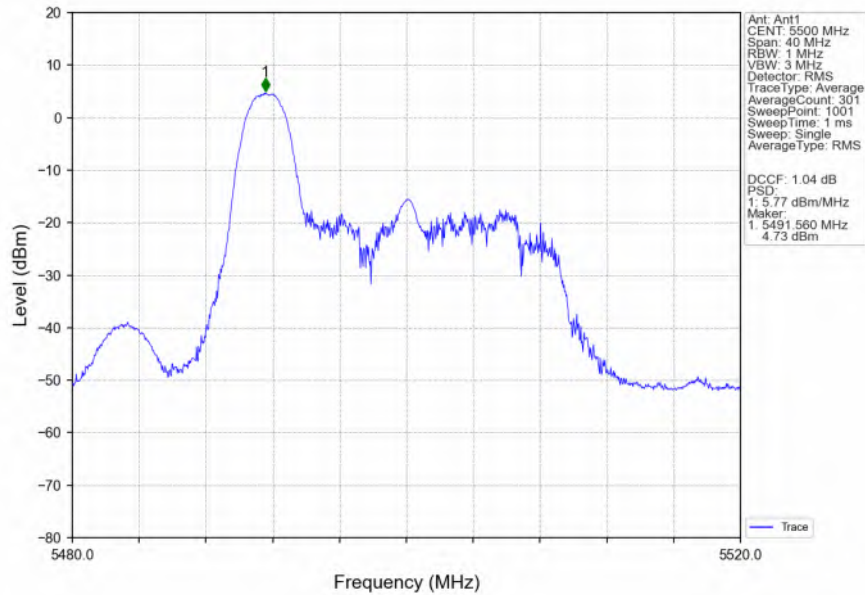
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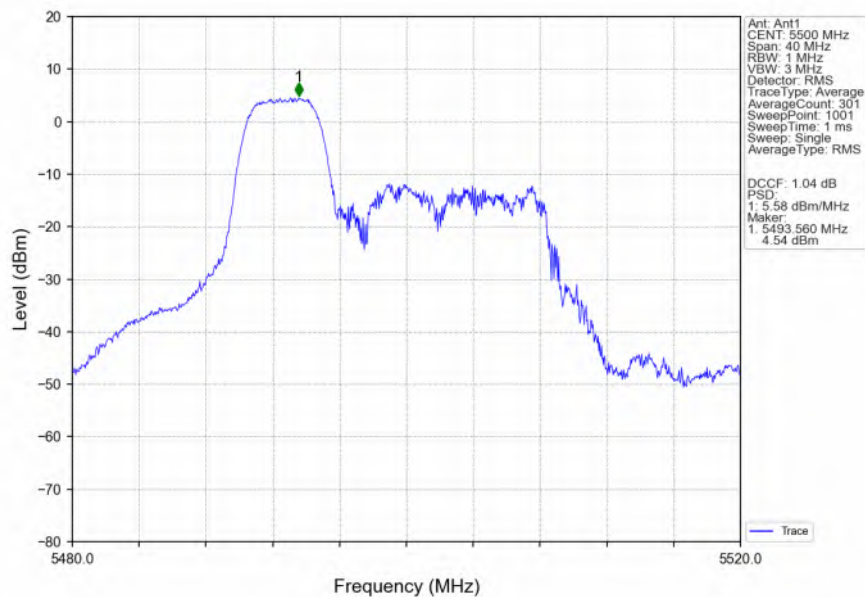
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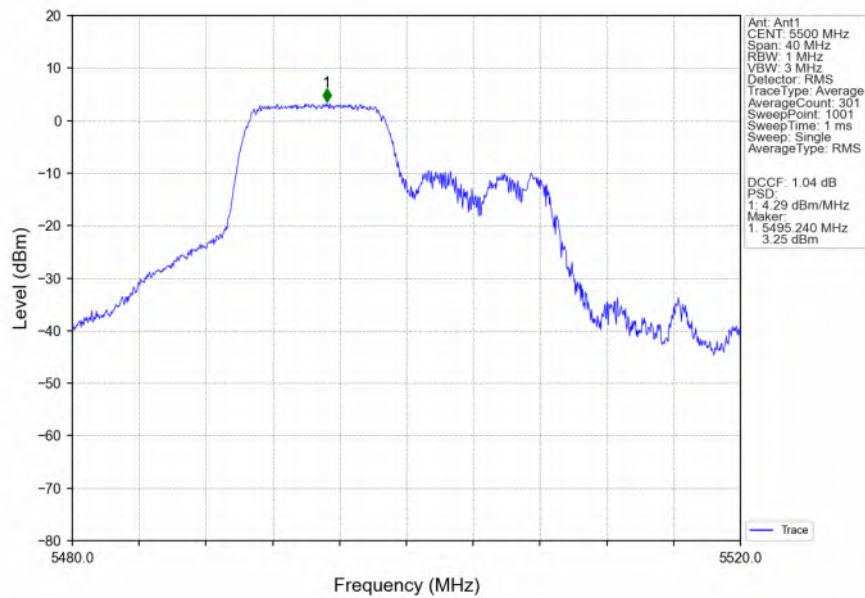
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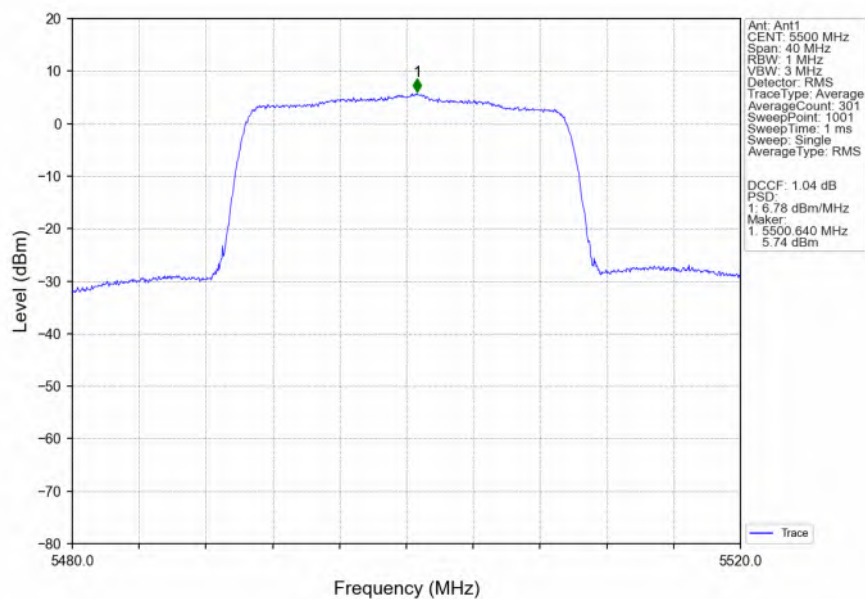
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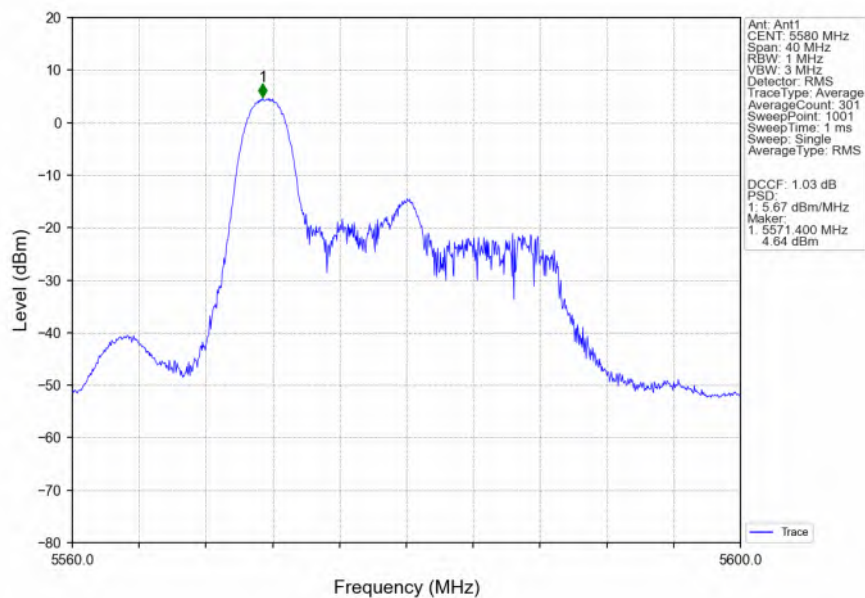
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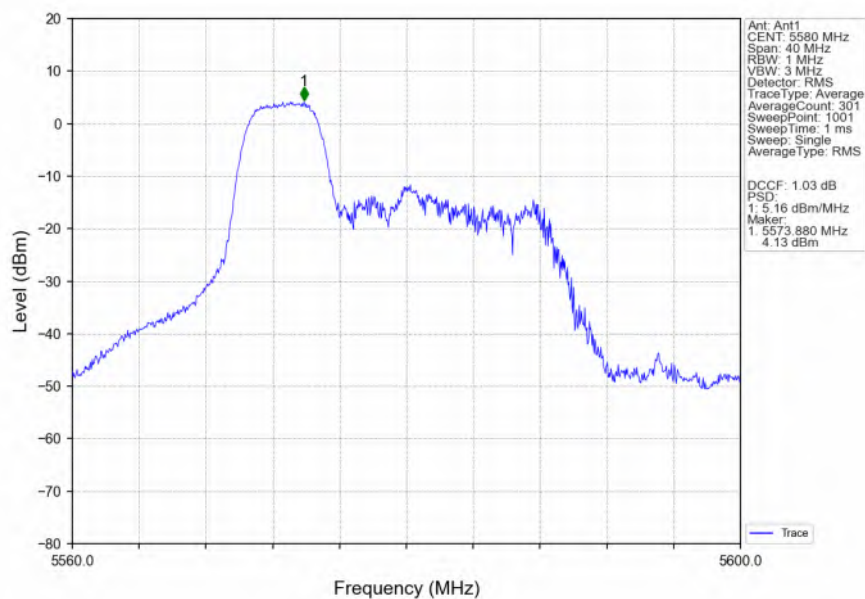
802.11ax(HEW20)_LCH_5500MHz_SU_ / _Ant1_NTNV



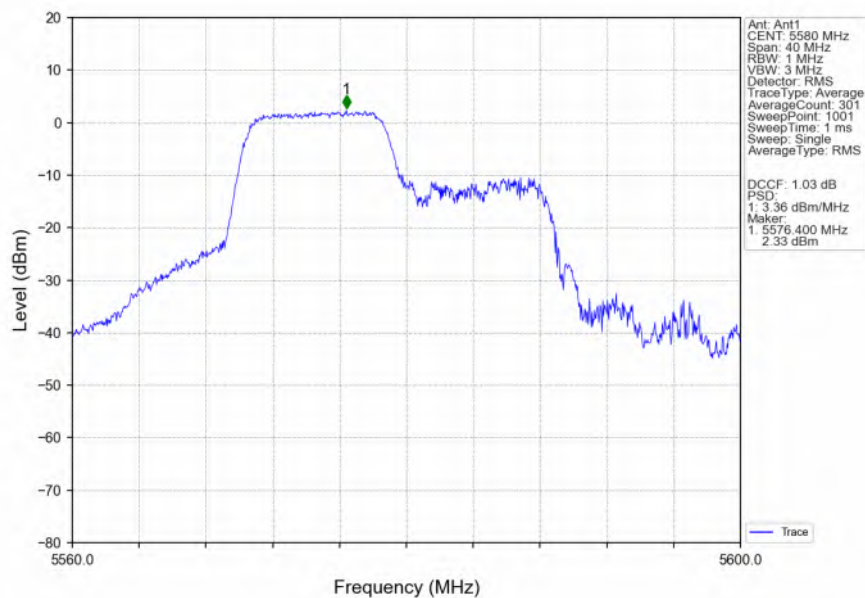
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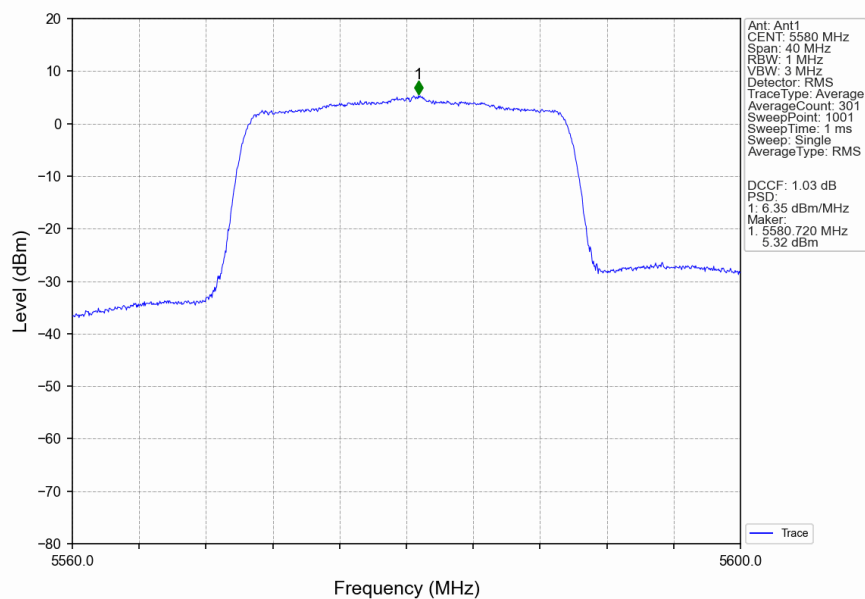
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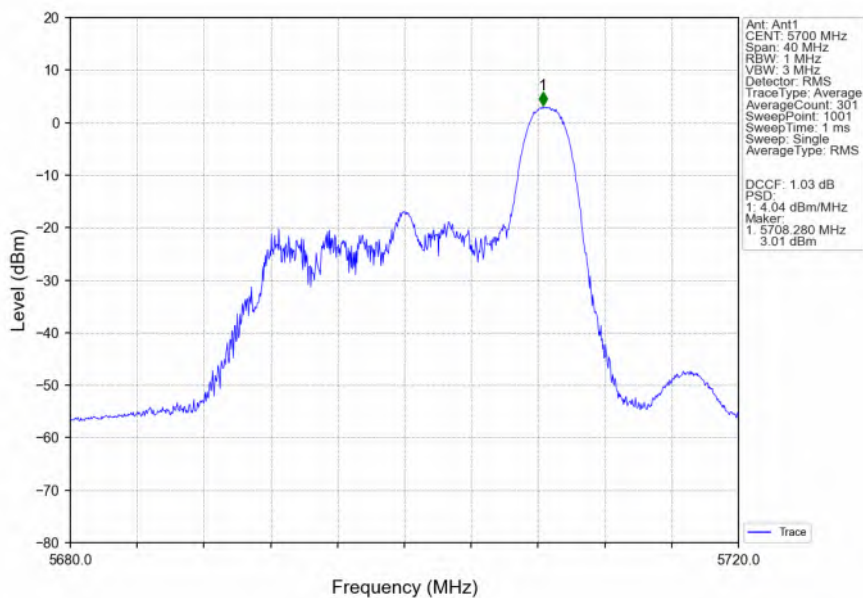
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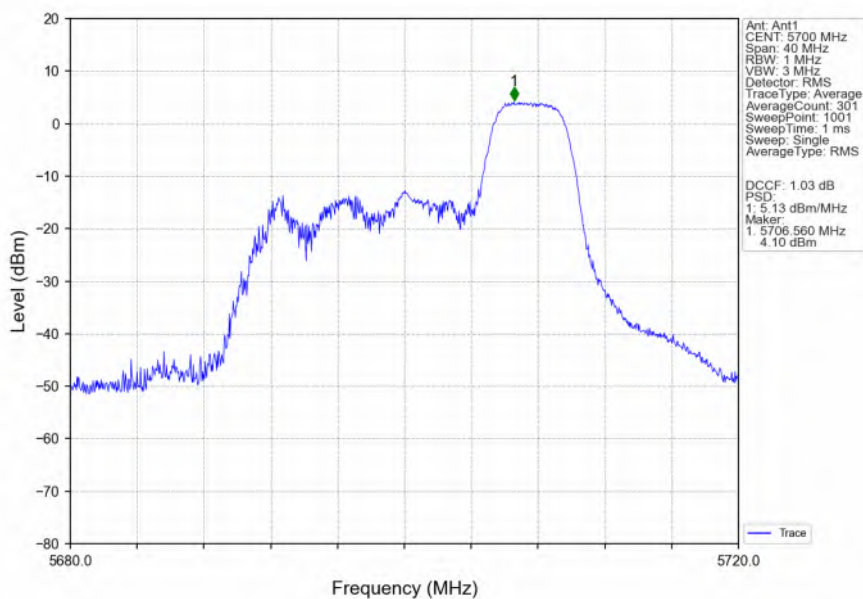
802.11ax(HEW20)_MCH_5580MHz_SU_/_Ant1_NTNV



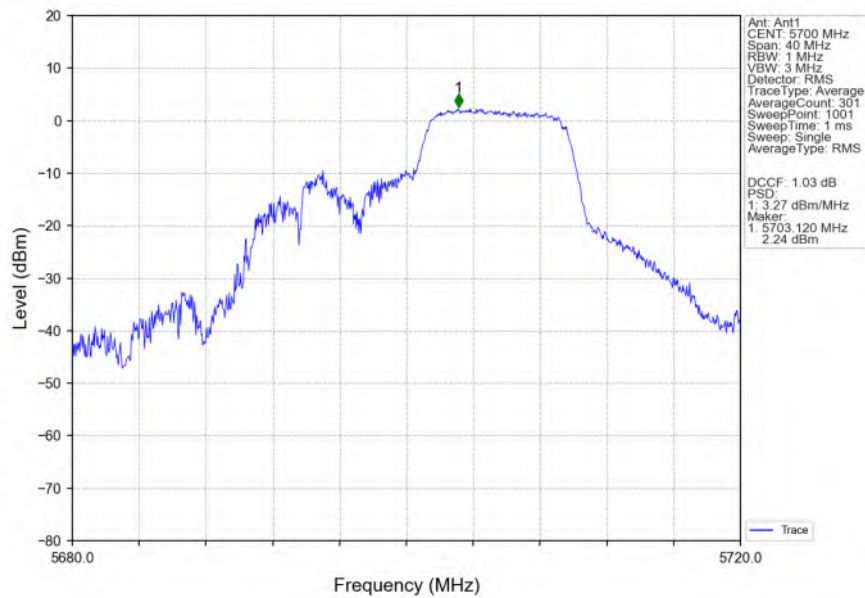
802.11ax(HEW20)_HCH_5700MHz_RU26_Right_Ant1_NTNV



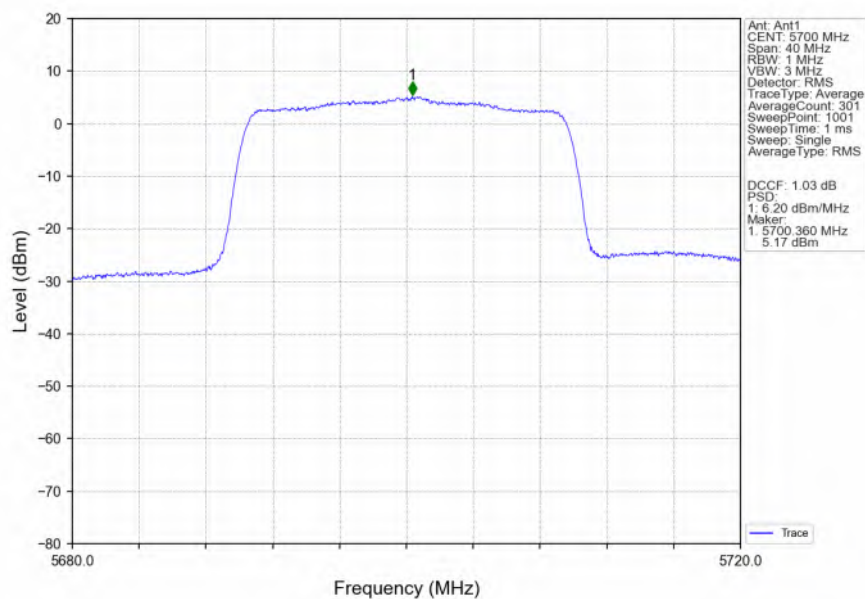
802.11ax(HEW20)_HCH_5700MHz_RU52_Right_Ant1_NTNV



802.11ax(HEW20)_HCH_5700MHz_RU106_Right_Ant1_NTNV

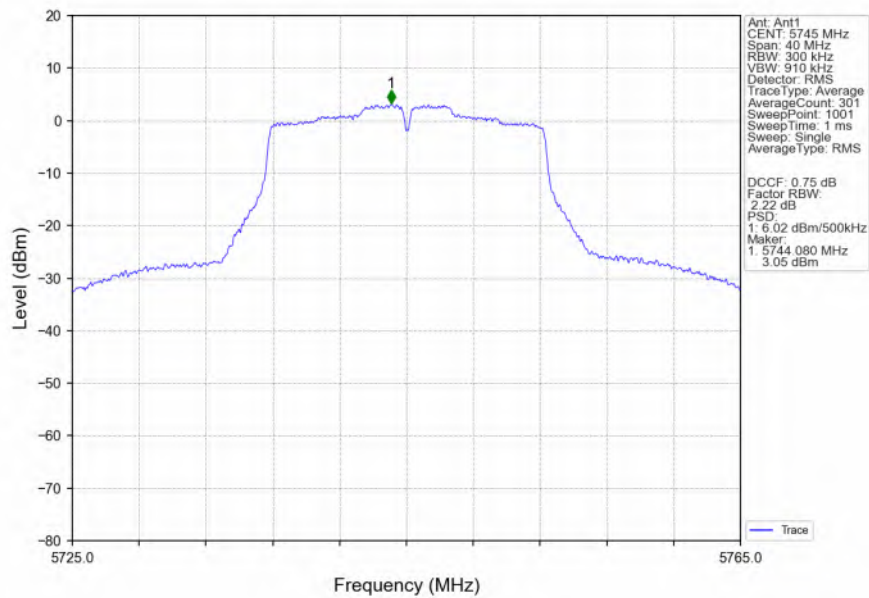


802.11ax(HEW20)_HCH_5700MHz_SU_/_Ant1_NTNV

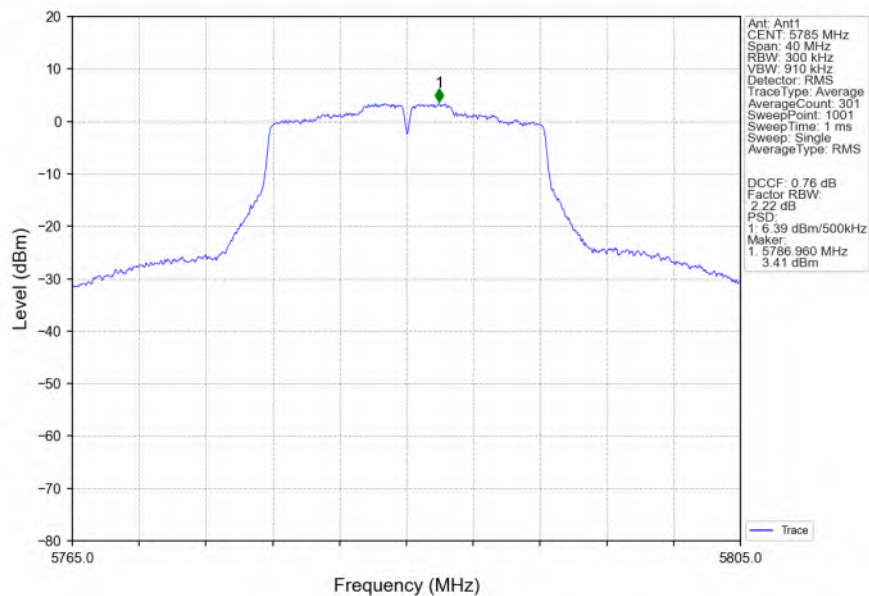


4.2.2 PSD-Band3

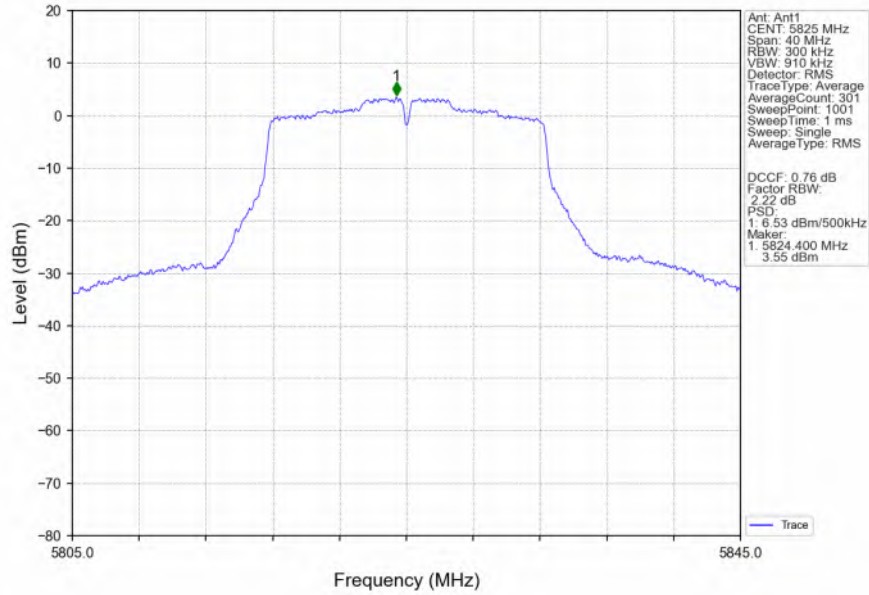
802.11a_LCH_5745MHz_Ant1_NTNV



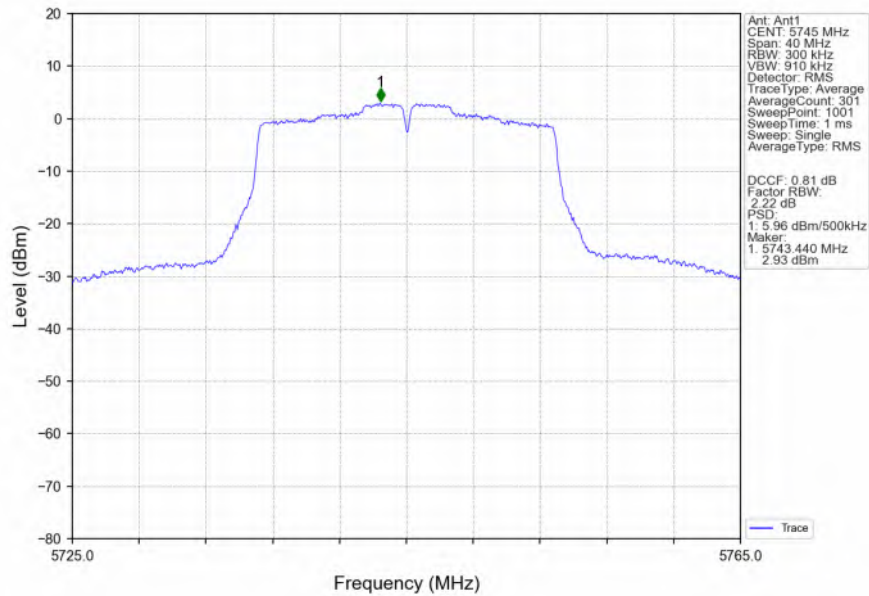
802.11a_MCH_5785MHz_Ant1_NTNV



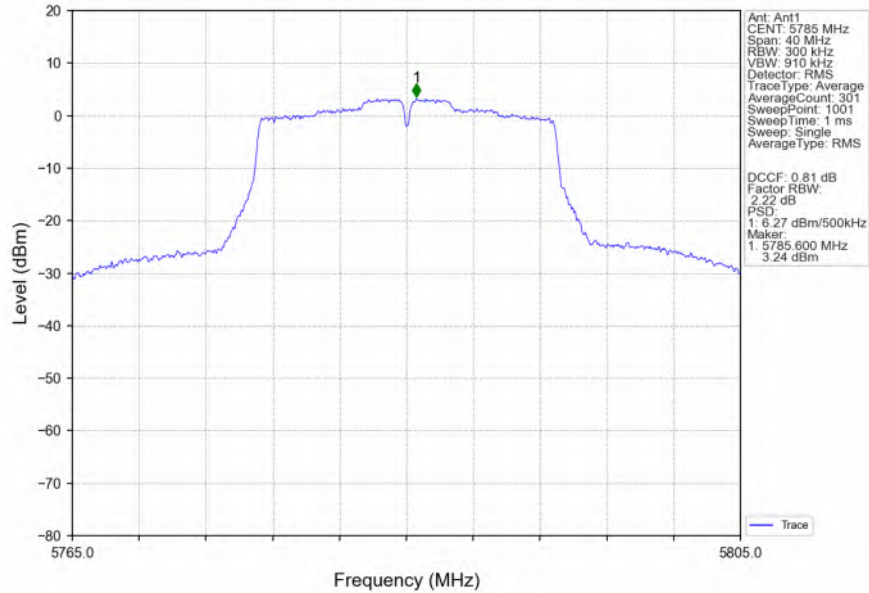
802.11a_HCH_5825MHz_Ant1_NTNV



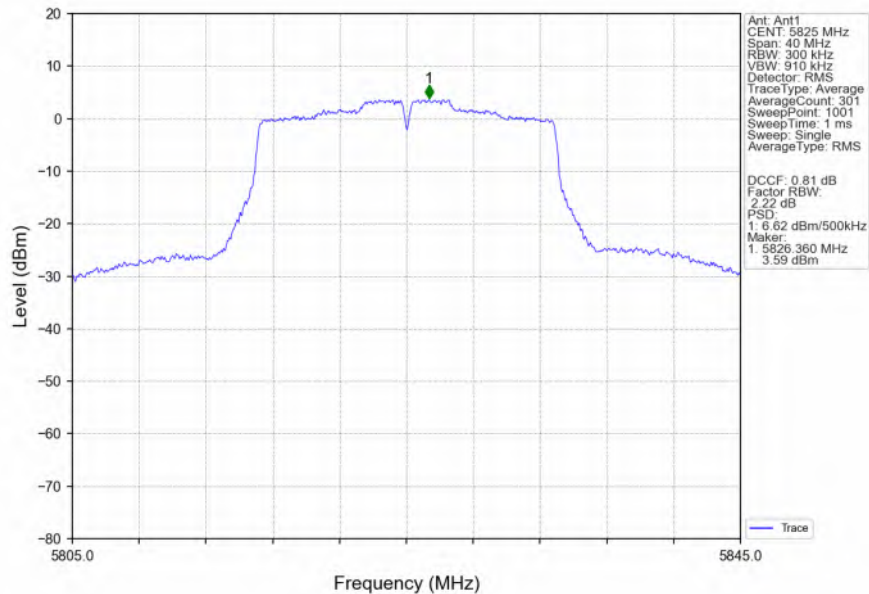
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



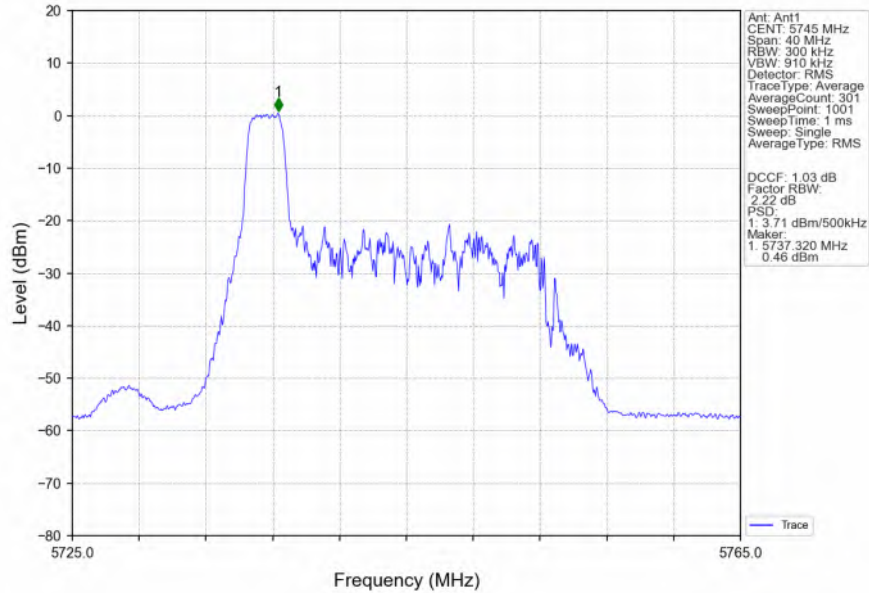
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



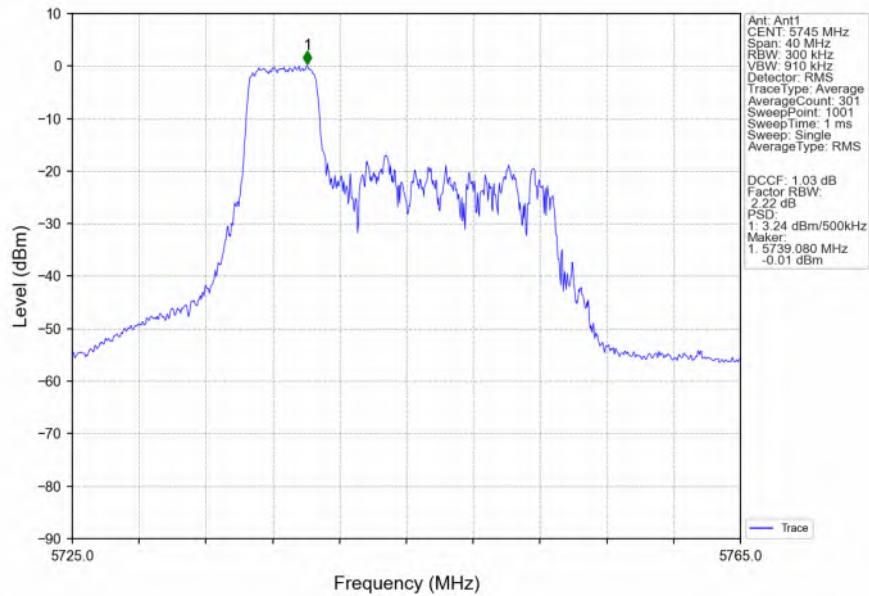
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



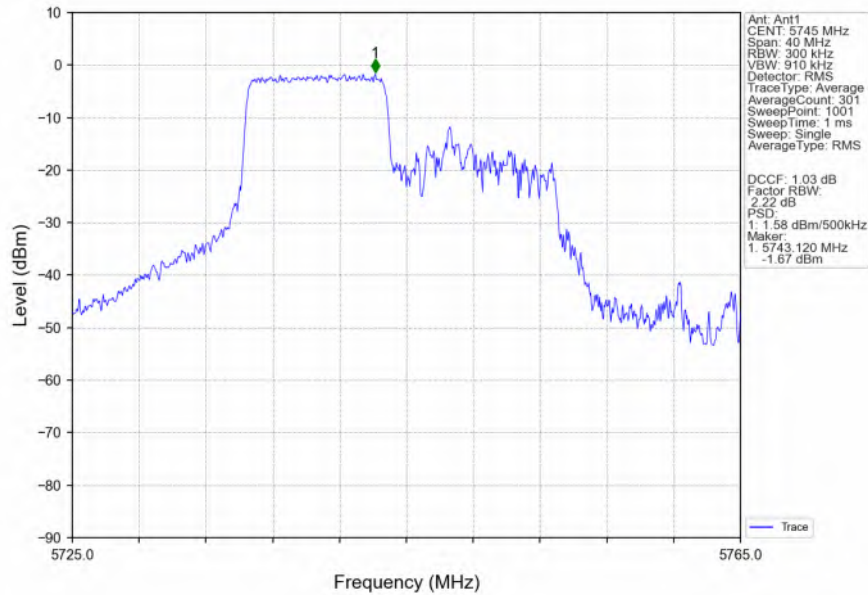
802.11ax(HEW20)_LCH_5745MHz_RU26_Left_Ant1_NTNV



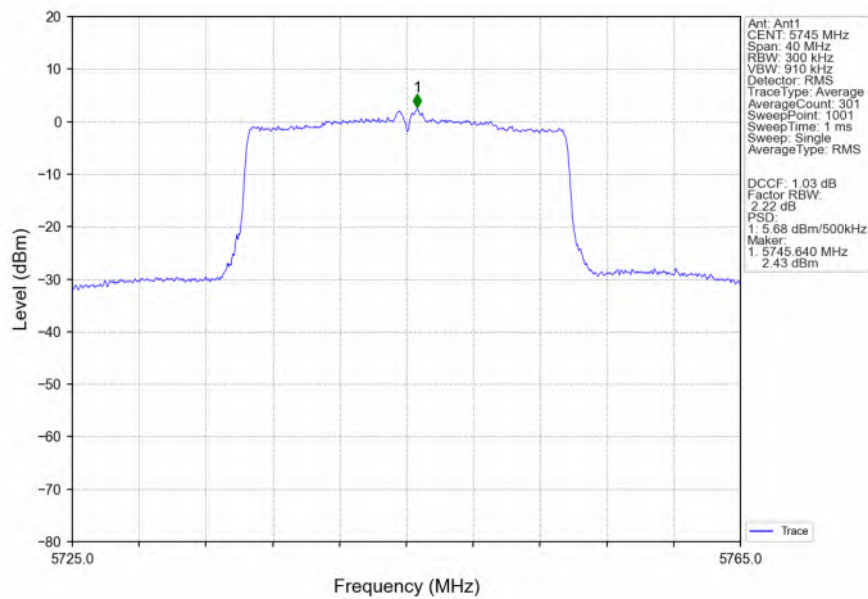
802.11ax(HEW20)_LCH_5745MHz_RU52_Left_Ant1_NTNV



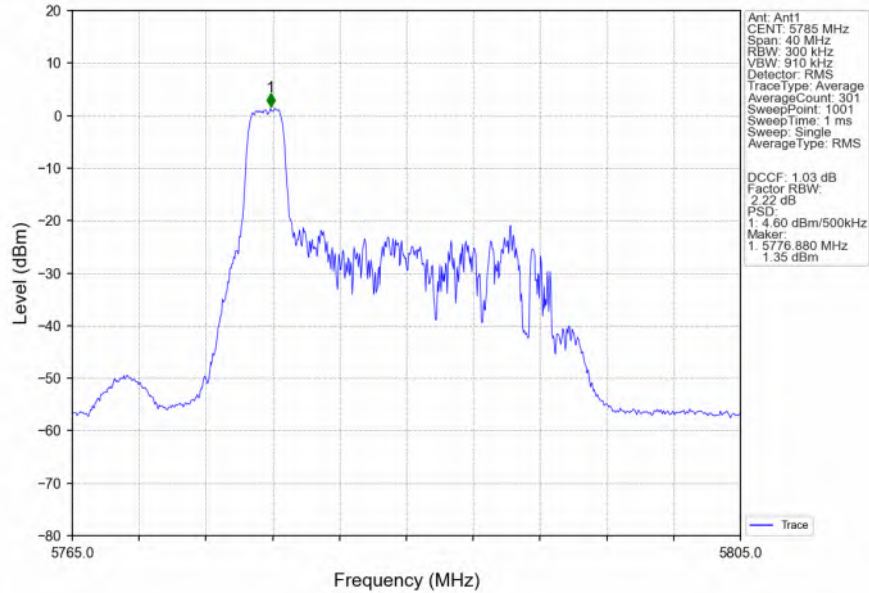
802.11ax(HEW20)_LCH_5745MHz_RU106_Left_Ant1_NTNV



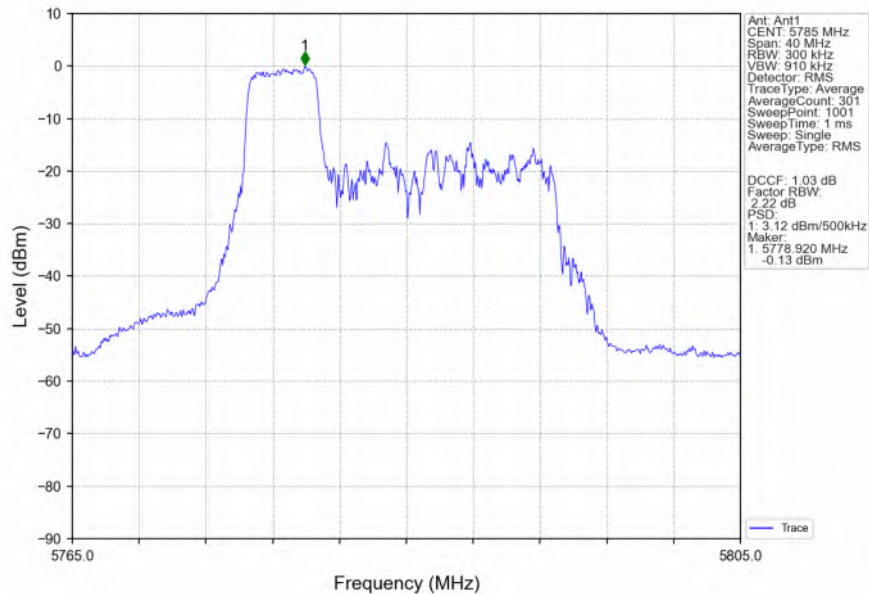
802.11ax(HEW20)_LCH_5745MHz_SU_ / _Ant1_NTNV



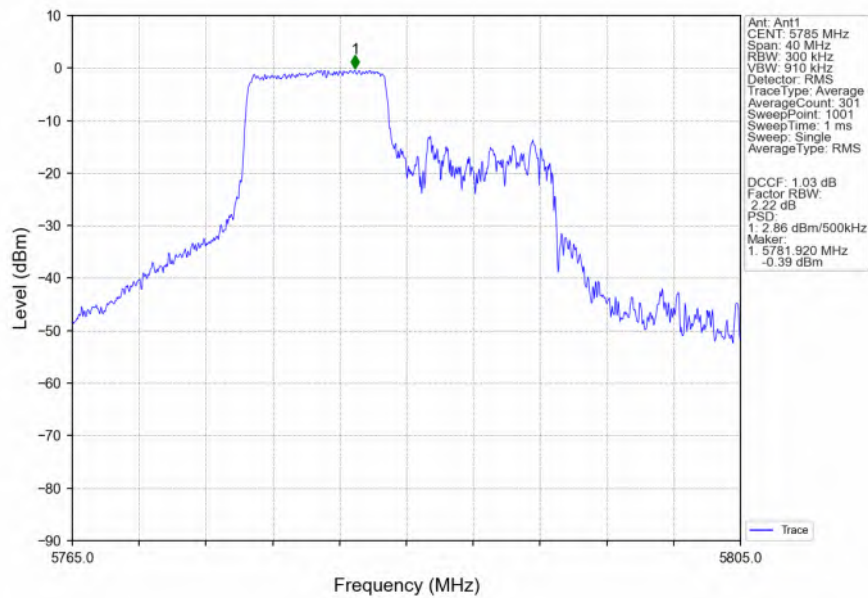
802.11ax(HEW20)_MCH_5785MHz_RU26_Left_Ant1_NTNV



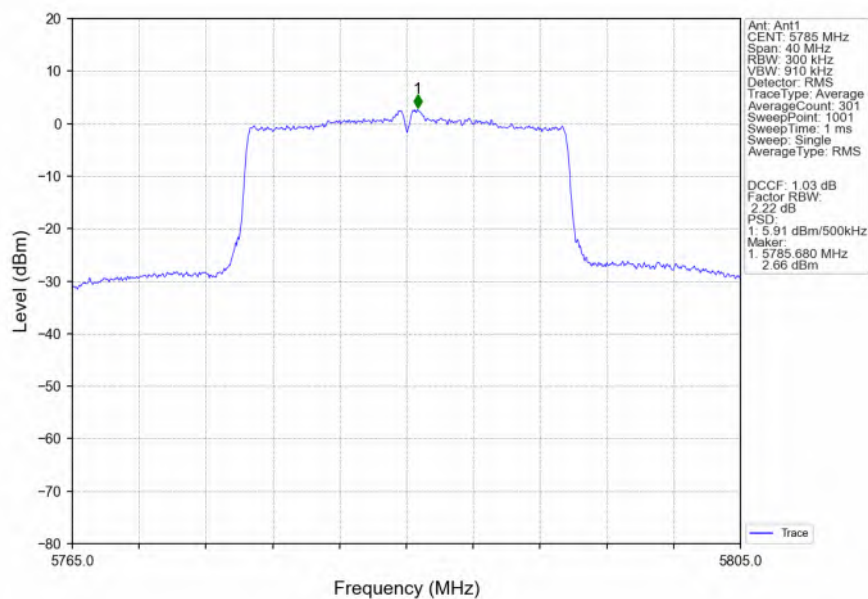
802.11ax(HEW20)_MCH_5785MHz_RU52_Left_Ant1_NTNV



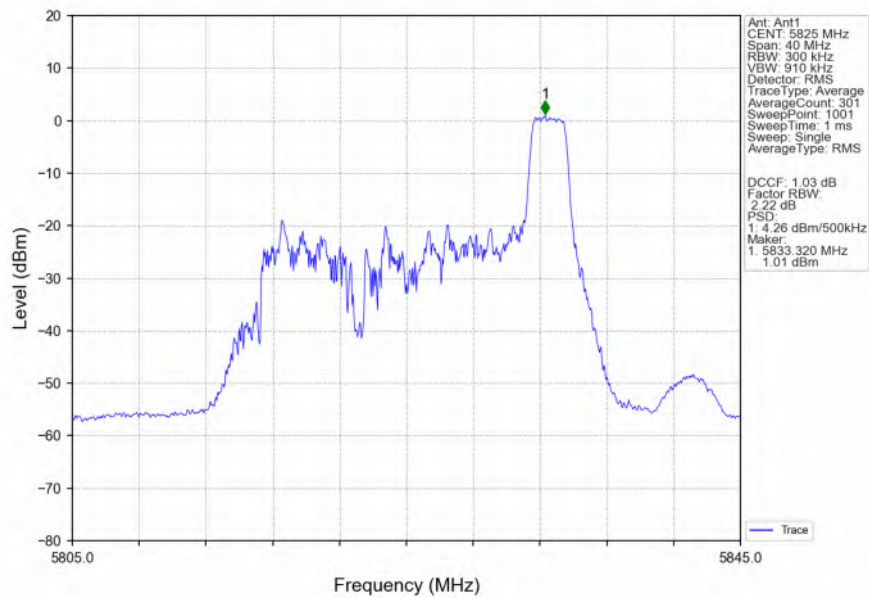
802.11ax(HEW20)_MCH_5785MHz_RU106_Left_Ant1_NTNV



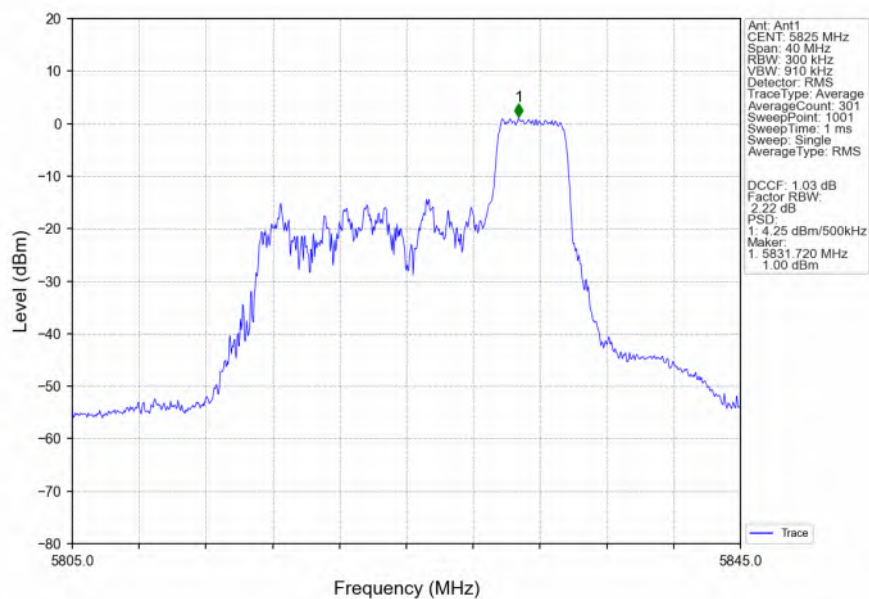
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



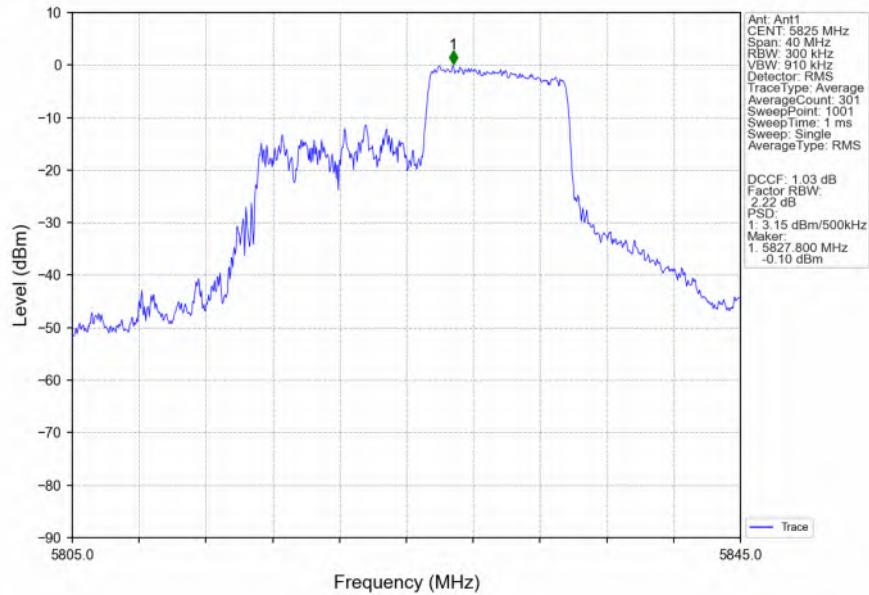
802.11ax(HEW20)_HCH_5825MHz_RU26_Right_Ant1_NTNV



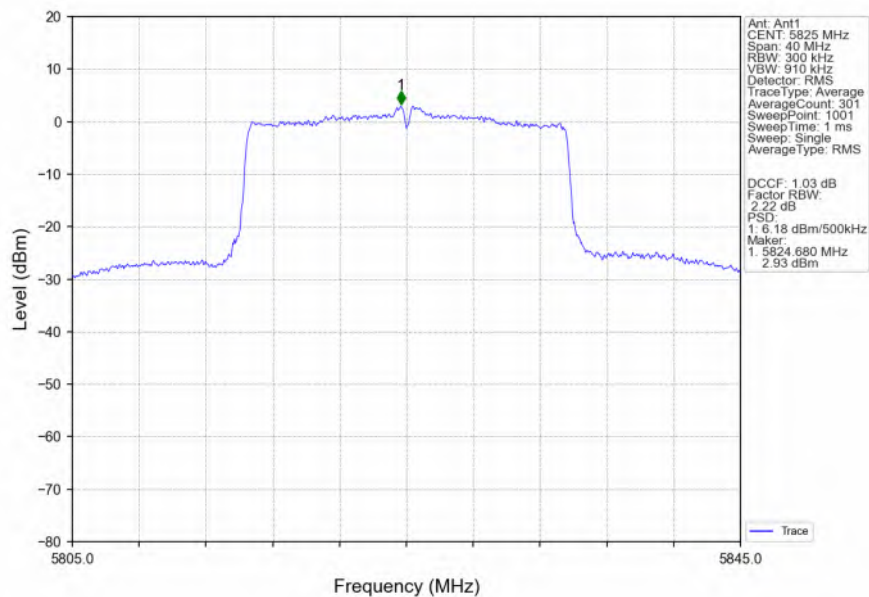
802.11ax(HEW20)_HCH_5825MHz_RU52_Right_Ant1_NTNV



802.11ax(HEW20)_HCH_5825MHz_RU106_Right_Ant1_NTNV



802.11ax(HEW20)_HCH_5825MHz_SU_/_Ant1_NTNV



5. Signal Calibration

5.1 Test Result

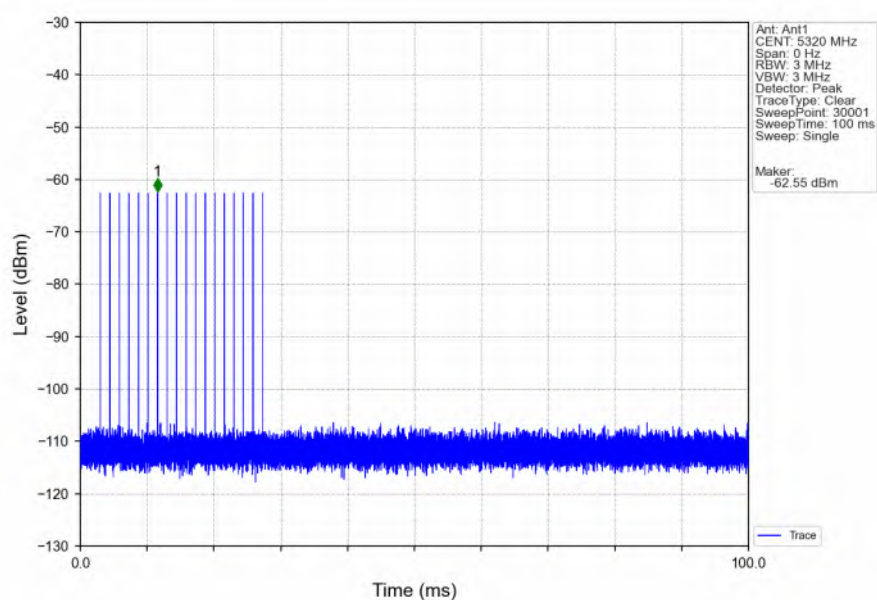
5.1.1 SC

Band: 2A						
Mode	Bandwidth (MHz)	Frequency (MHz)	Radar Signal		Signal Calibration	
			Type	Trial Id	Result	Limit
802.11ax (HEW20)	20	5320	0	0	Refer To Test Graph	Pass
			1	0	Refer To Test Graph	Pass
			2	0	Refer To Test Graph	Pass
			3	0	Refer To Test Graph	Pass
			4	0	Refer To Test Graph	Pass
			5	0	Refer To Test Graph	Pass
			6	0	Refer To Test Graph	Pass

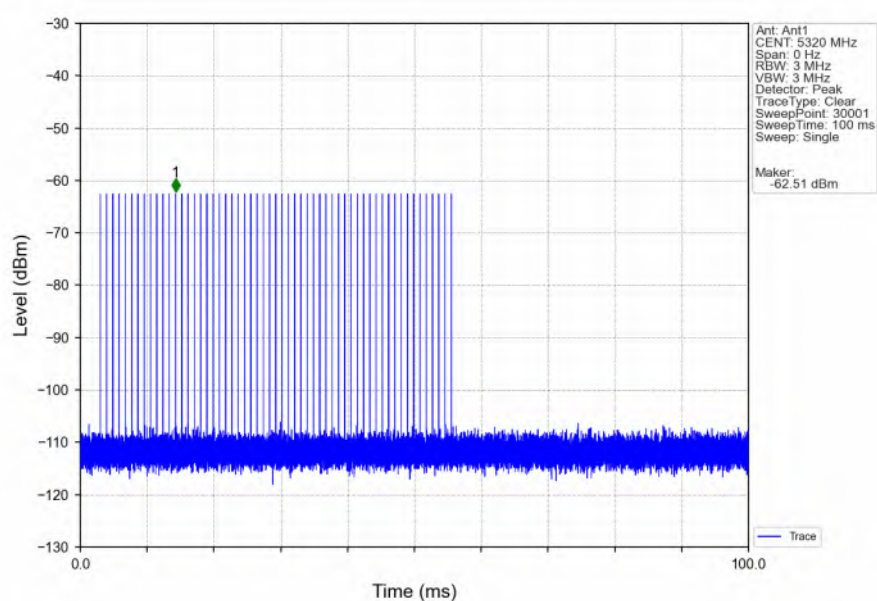
5.2 Test Graph

5.2.1 SC

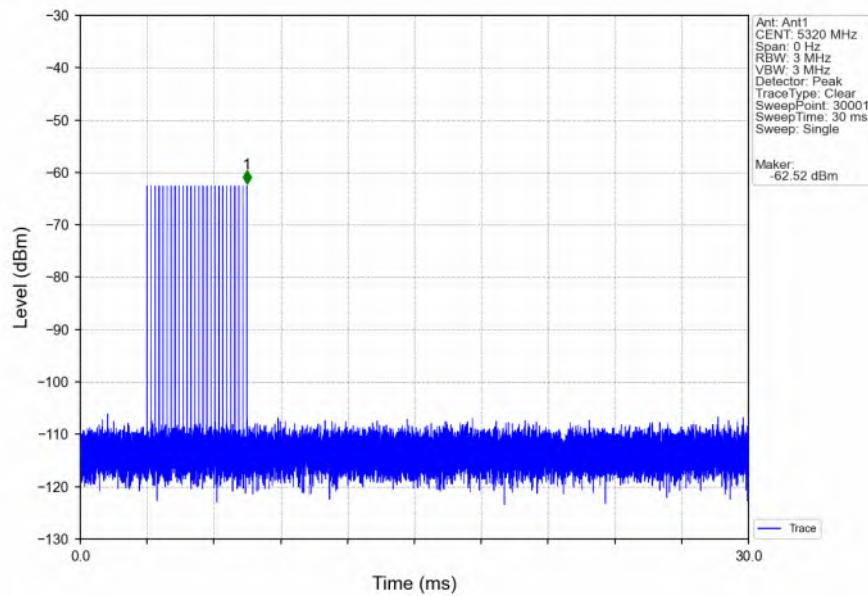
Signal Calibration_802.11ax(HEW20)_2A_5320MHz_RadarType0_Trial0



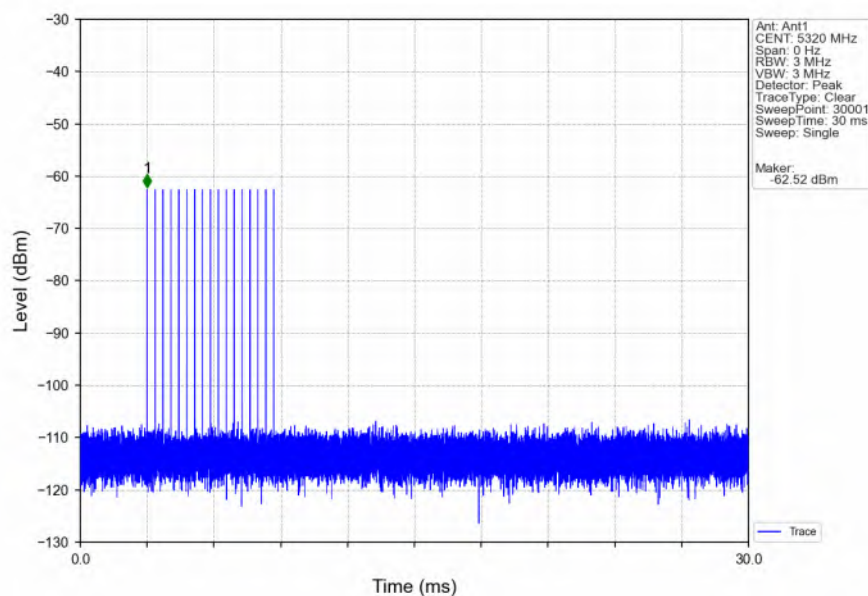
Signal Calibration_802.11ax(HEW20)_2A_5320MHz_RadarType1_Trial0



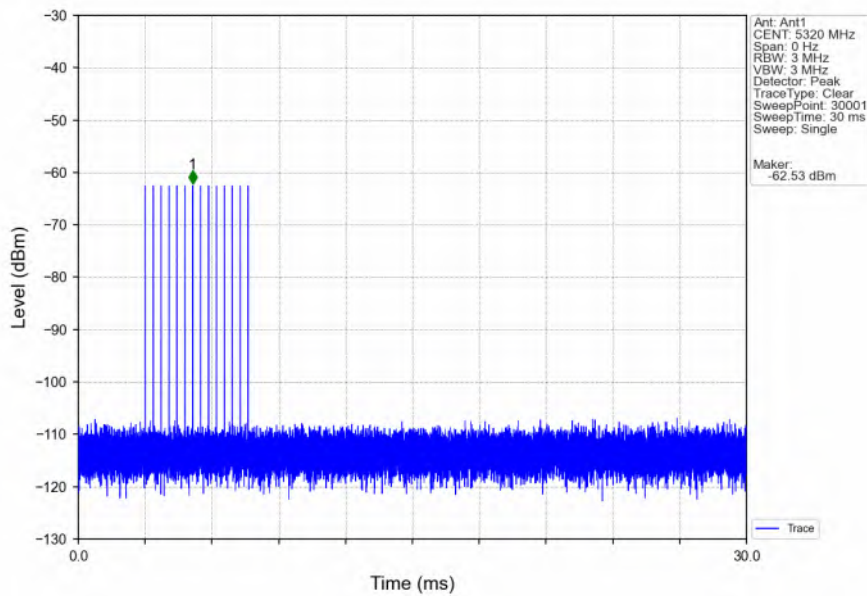
Signal Calibration_802.11ax(HEW20)_2A_5320MHz_RadarType2_Trial0



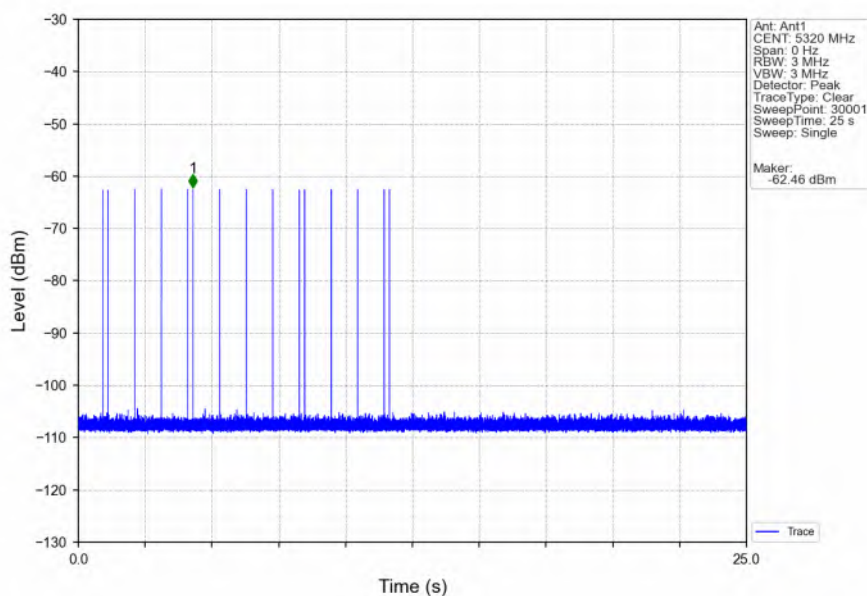
Signal Calibration_802.11ax(HEW20)_2A_5320MHz_RadarType3_Trial0



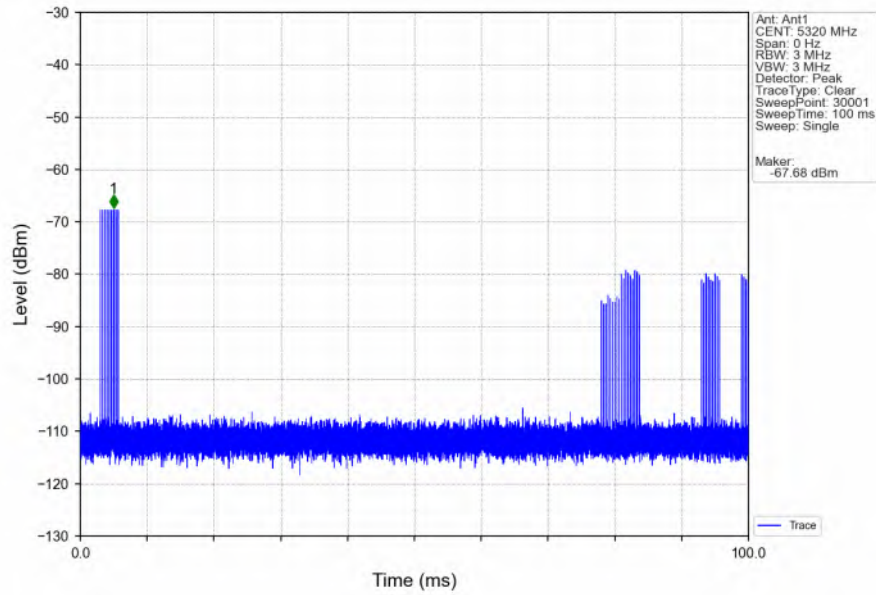
Signal Calibration_802.11ax(HEW20)_2A_5320MHz_RadarType4_Trial0



Signal Calibration_802.11ax(HEW20)_2A_5320MHz_RadarType5_Trial0



Signal Calibration_802.11ax(HEW20)_2A_5320MHz_RadarType6_Trial0





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6. Channel Loading (Payload)

6.1 Test Result

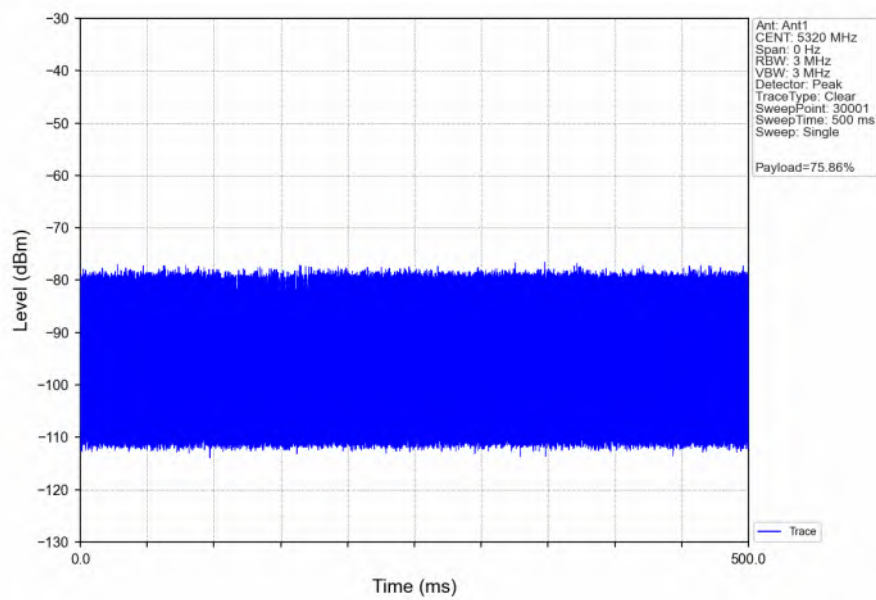
6.1.1 Payload

Band: 2A					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Loading (Payload) (%)		Verdict
			Result	Limit	
802.11ax (HEW20)	20	5320	75.86	≥ 17	Pass

6.2 Test Graph

6.2.1 Payload

Channel Loading (Payload)_802.11ax(HEW20)_2A_5320MHz





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7. Channel Move Time and Closing Transmission Time

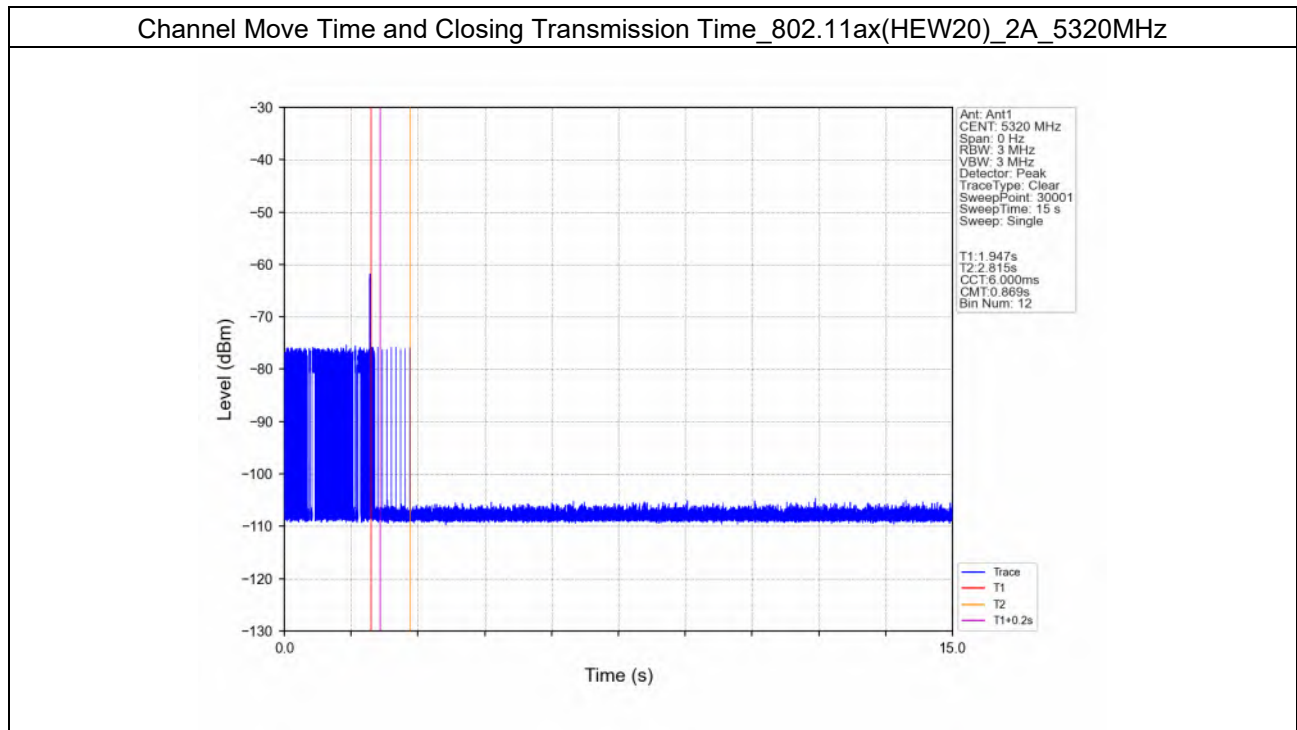
7.1 Test Result

7.1.1 CMT_CTT

Band: 2A							
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Closing Transmission Time (ms)		Channel Move Time (s)		Verdict
			Result	Limit	Result	Limit	
802.11ax (HEW20)	20	5320	6.000	<= 60	0.869	<=10	Pass

7.2 Test Graph

7.2.1 CMT_CTT



8. Non-Occupancy Period

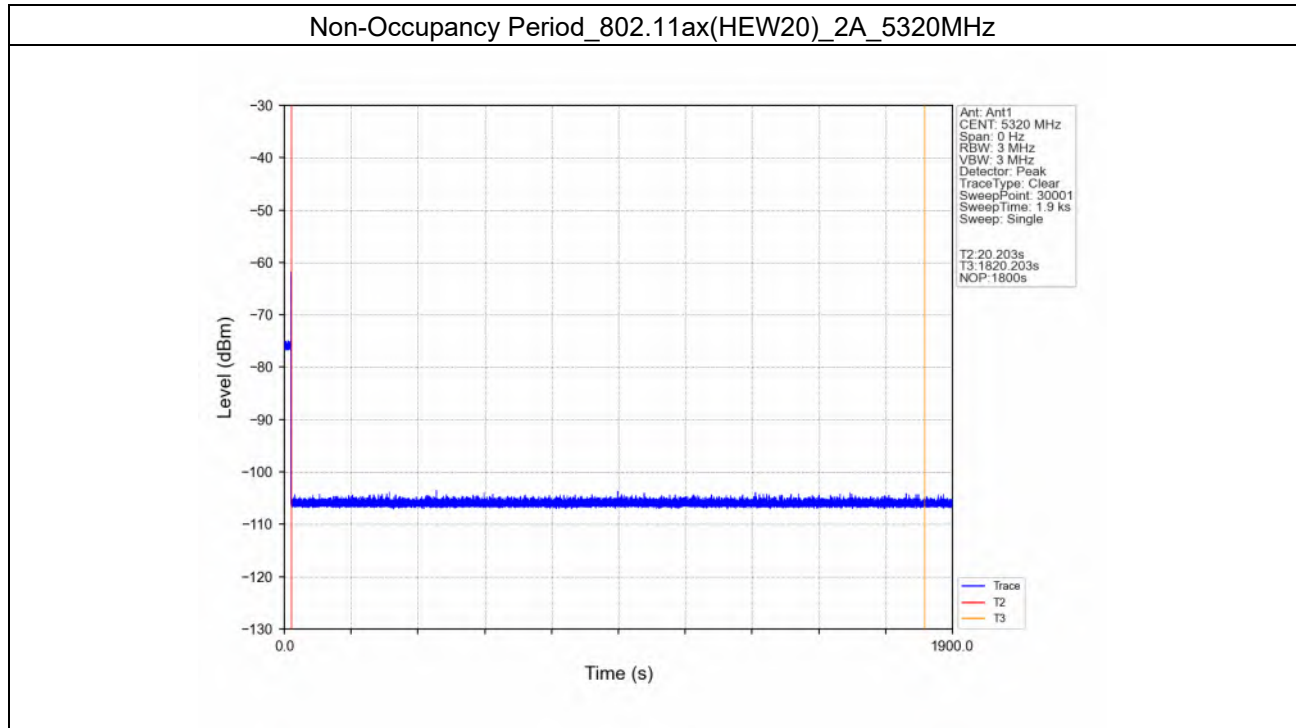
8.1 Test Result

8.1.1 Period

Band: 2A					
Mode	Bandwidth (MHz)	Frequency (MHz)	Non-Occupancy Period		Verdict
			Result	Limit	
802.11ax (HEW20)	20	5320	Refer To Test Graph		Pass

8.2 Test Graph

8.2.1 Period



- End of the Report -