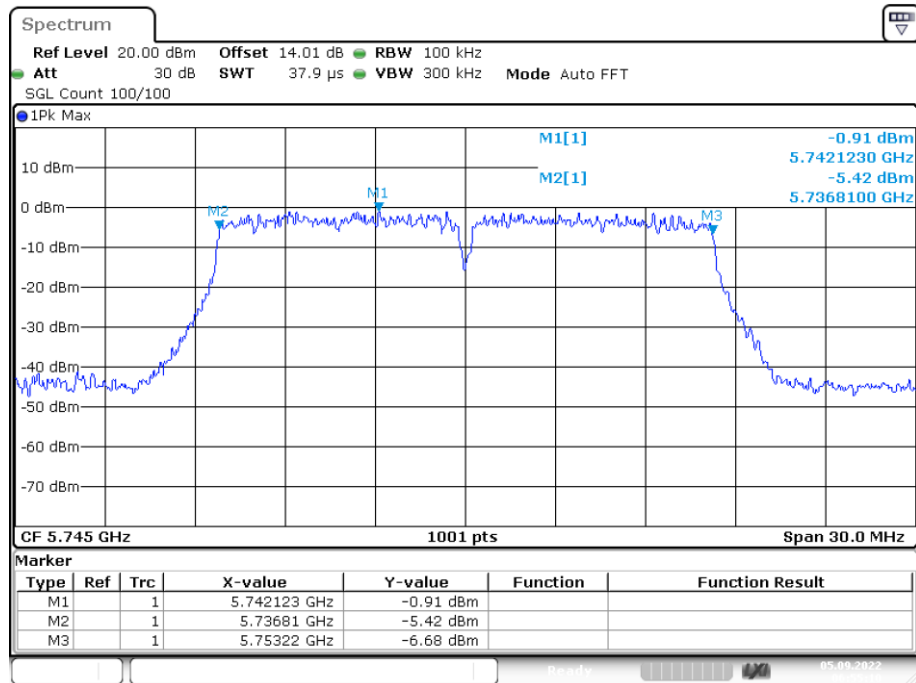
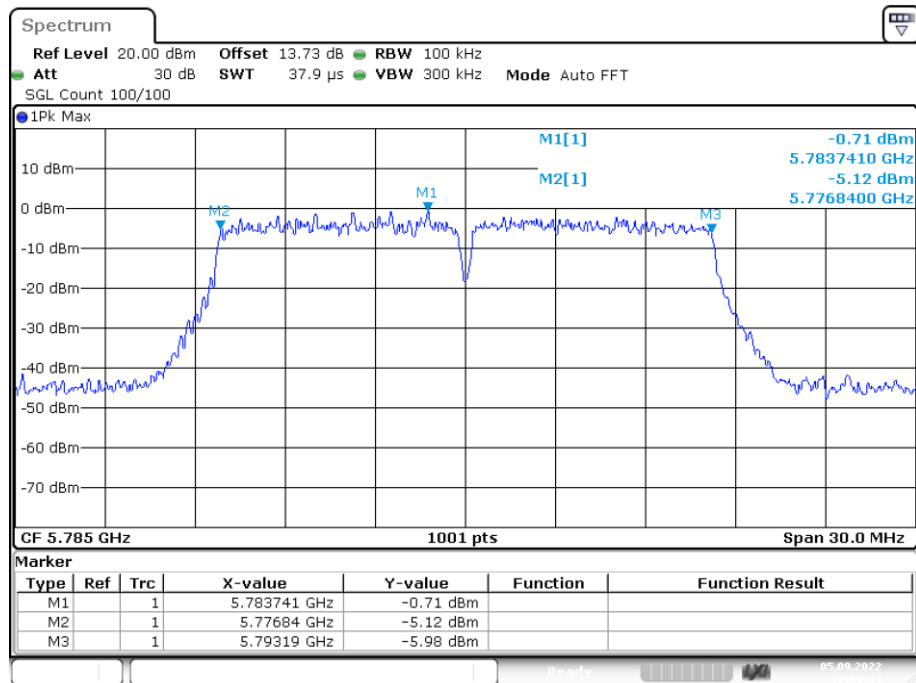
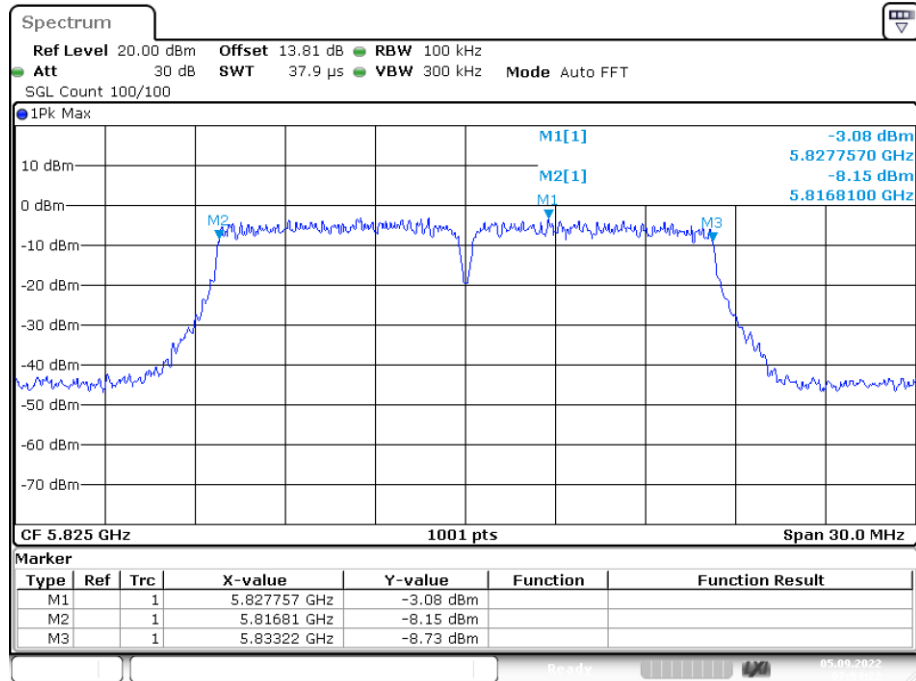
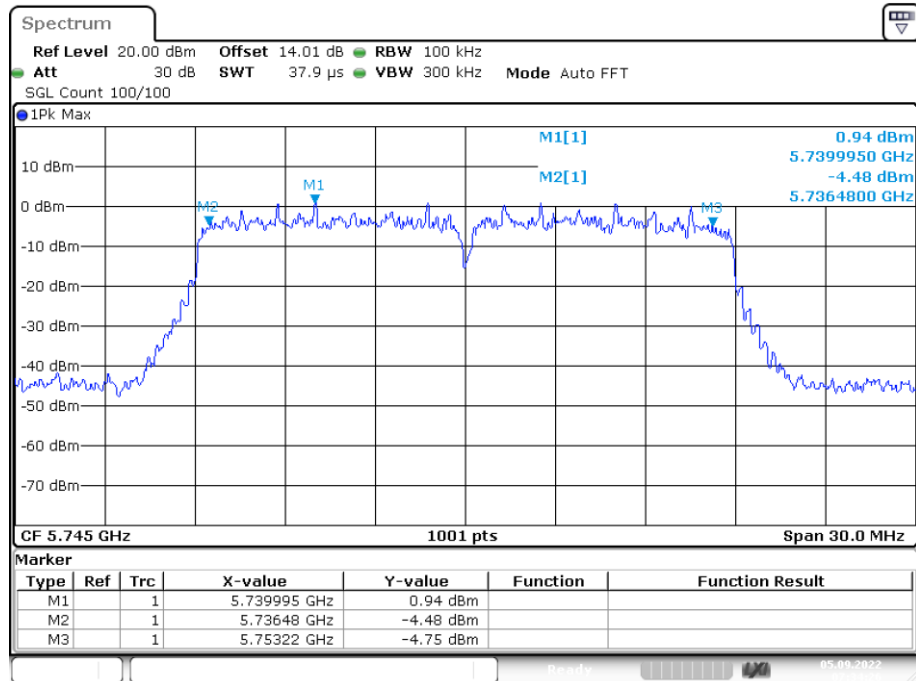
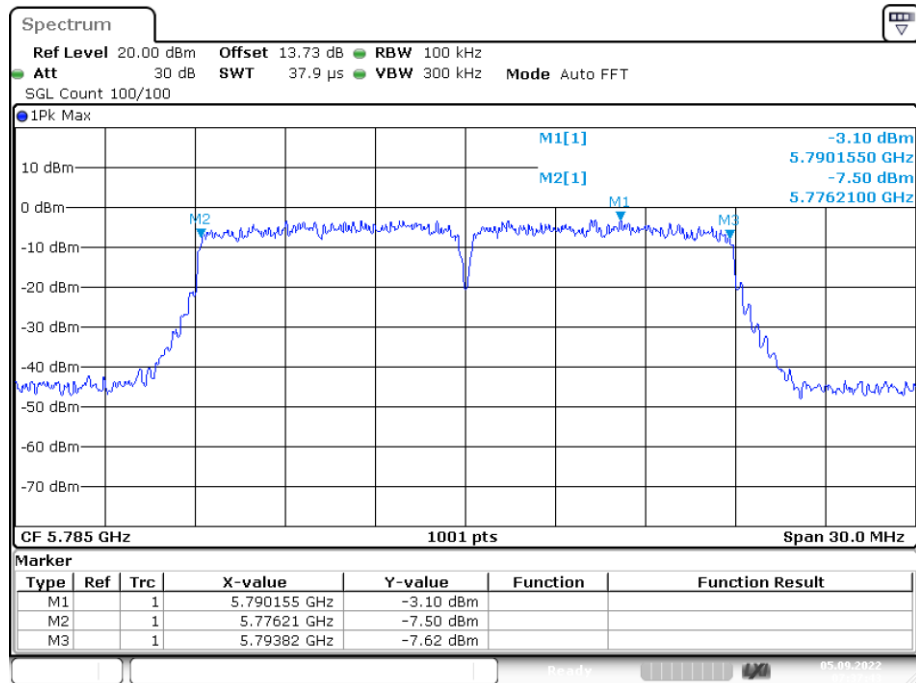
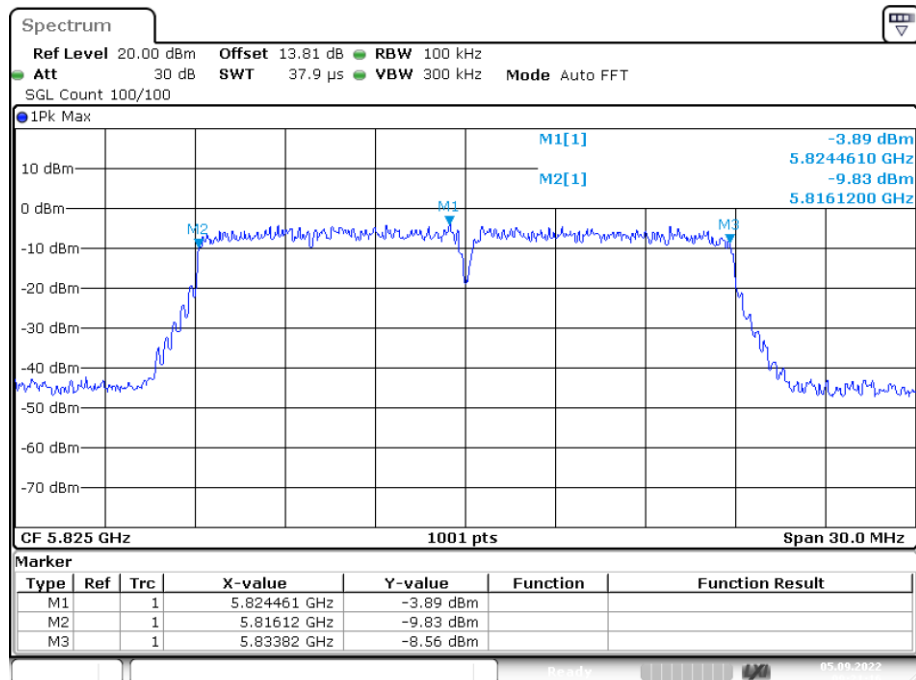


-6dB Bandwidth NVNT a 5745MHz Ant1**-6dB Bandwidth NVNT a 5785MHz Ant1**

-6dB Bandwidth NVNT a 5825MHz Ant1**-6dB Bandwidth NVNT ac20 5745MHz Ant1**

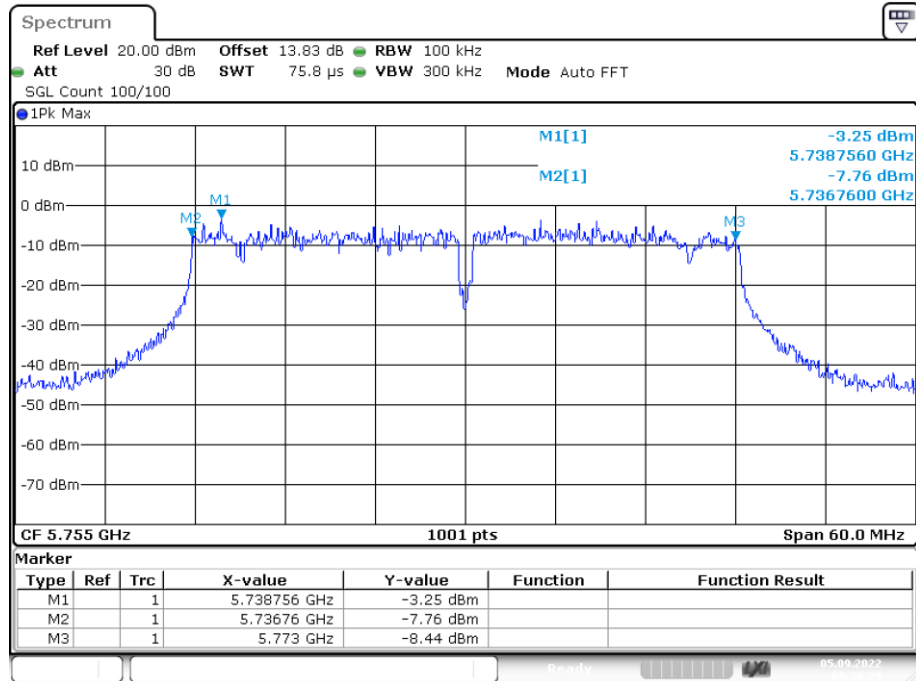
-6dB Bandwidth NVNT ac20 5785MHz Ant1

Date: 5.SEP.2022 07:37:43

-6dB Bandwidth NVNT ac20 5825MHz Ant1

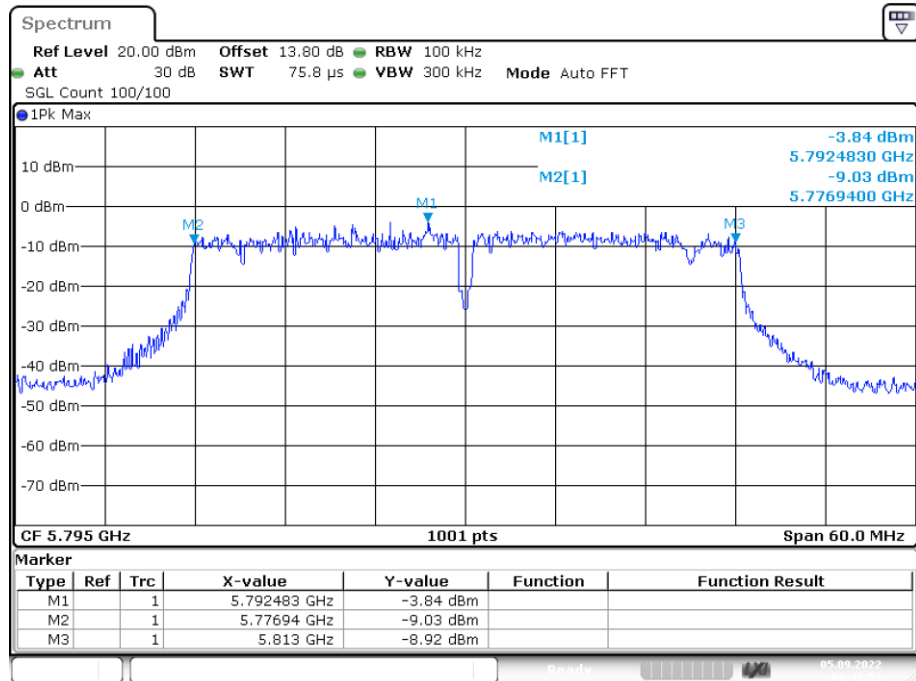
Date: 5.SEP.2022 09:21:16

-6dB Bandwidth NVNT ac40 5755MHz Ant1



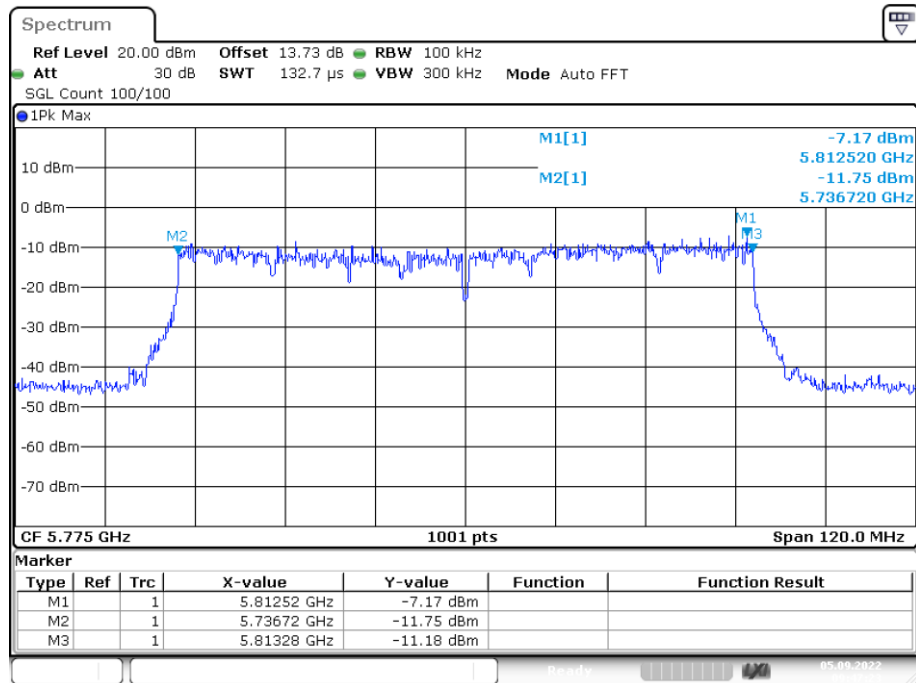
Date: 5.SEP.2022 09:39:29

-6dB Bandwidth NVNT ac40 5795MHz Ant1



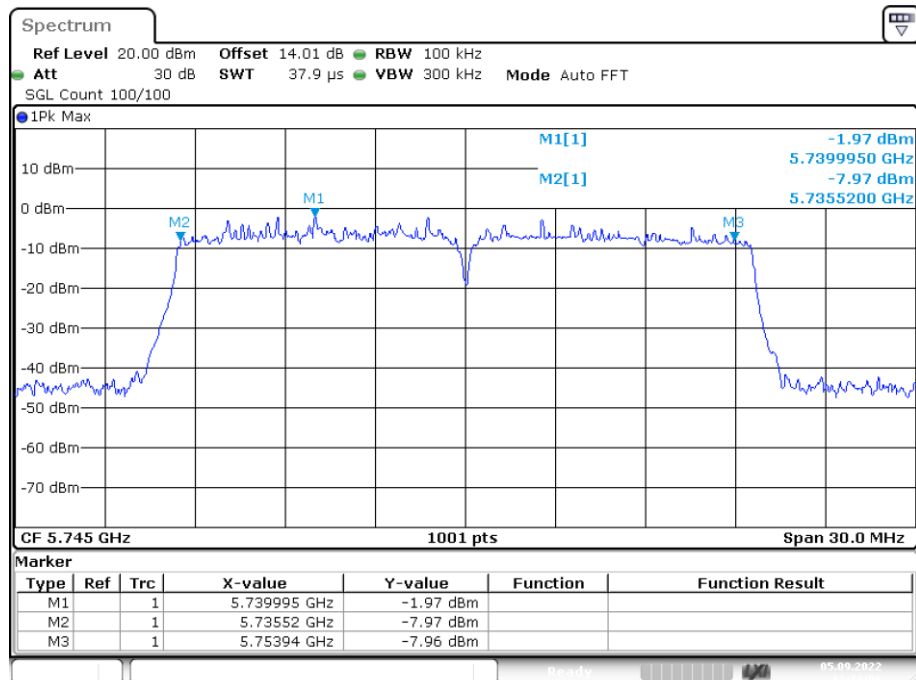
Date: 5.SEP.2022 09:42:53

-6dB Bandwidth NVNT ac80 5775MHz Ant1



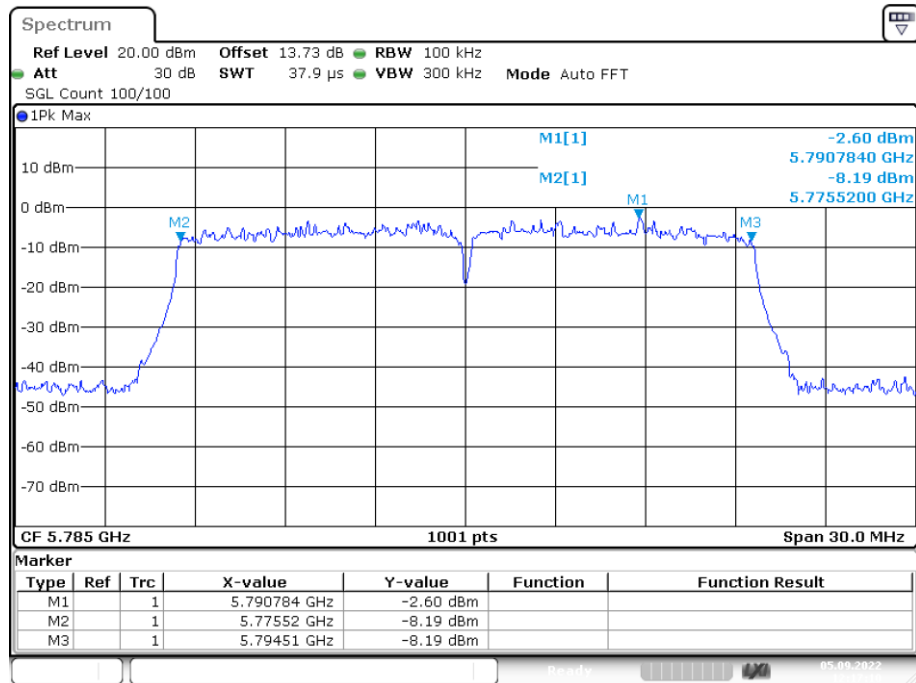
Date: 5.SEP.2022 09:47:23

-6dB Bandwidth NVNT ax20 5745MHz Ant1



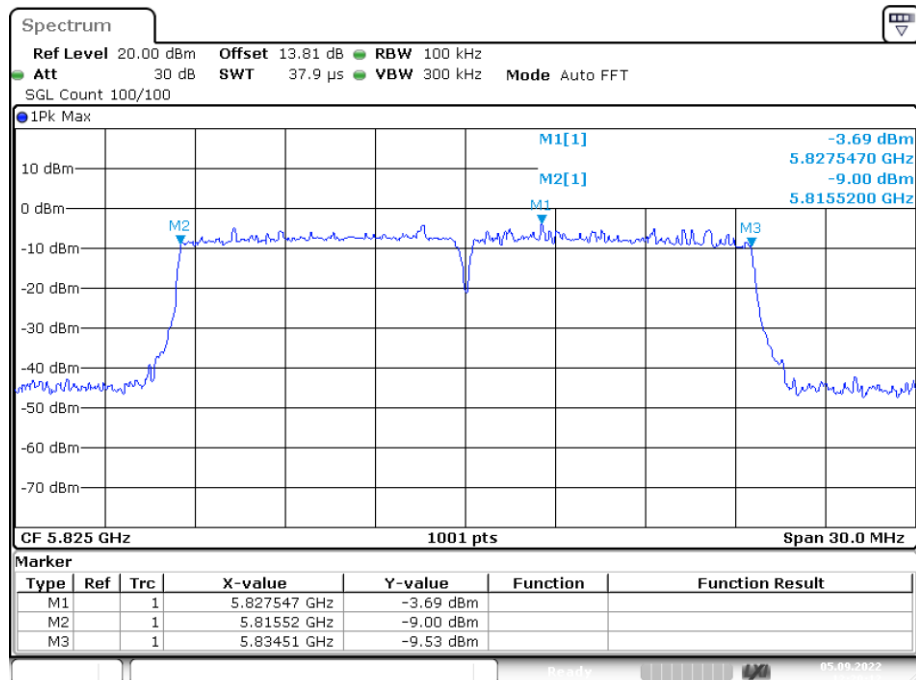
Date: 5.SEP.2022 12:13:07

-6dB Bandwidth NVNT ax20 5785MHz Ant1



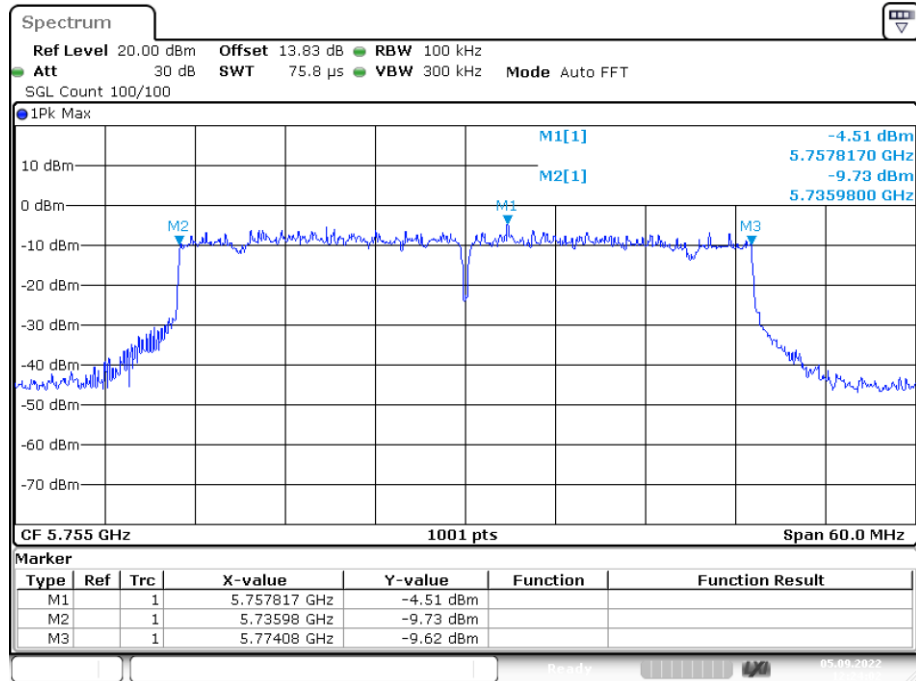
Date: 5.SEP.2022 12:17:09

-6dB Bandwidth NVNT ax20 5825MHz Ant1



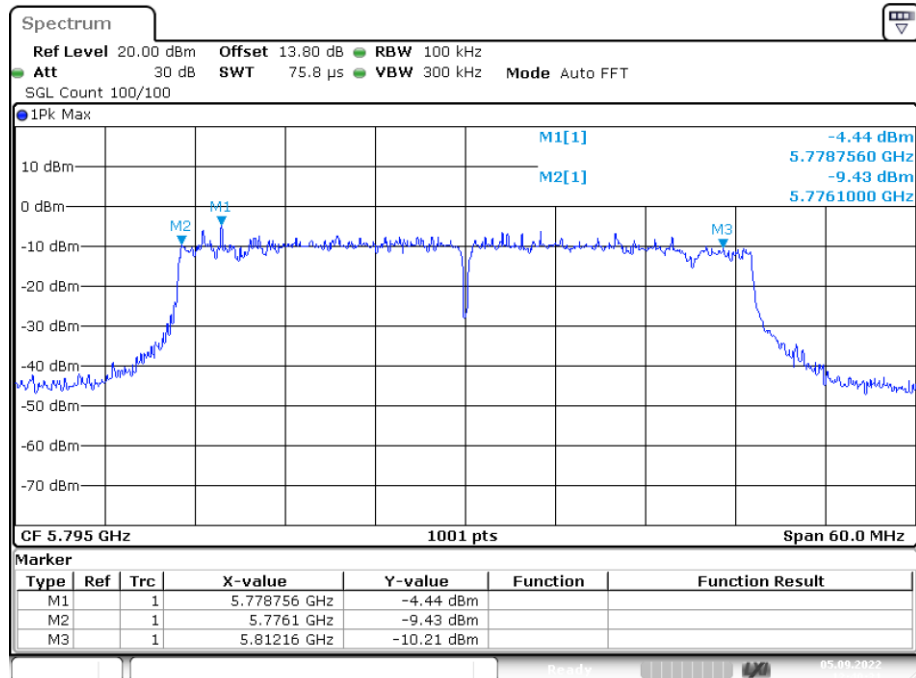
Date: 5.SEP.2022 12:20:11

-6dB Bandwidth NVNT ax40 5755MHz Ant1

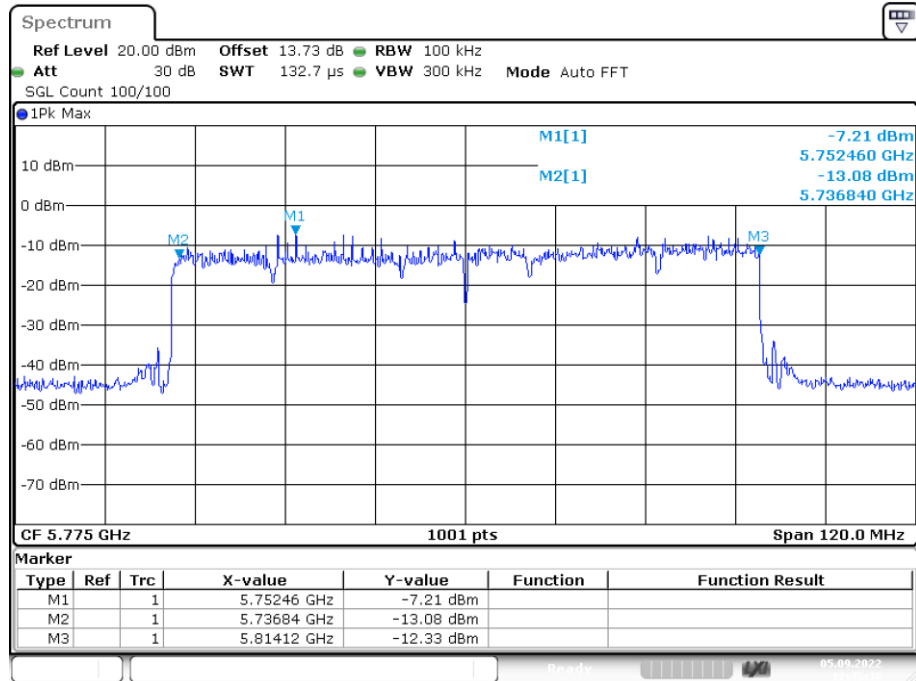


Date: 5.SEP.2022 12:24:01

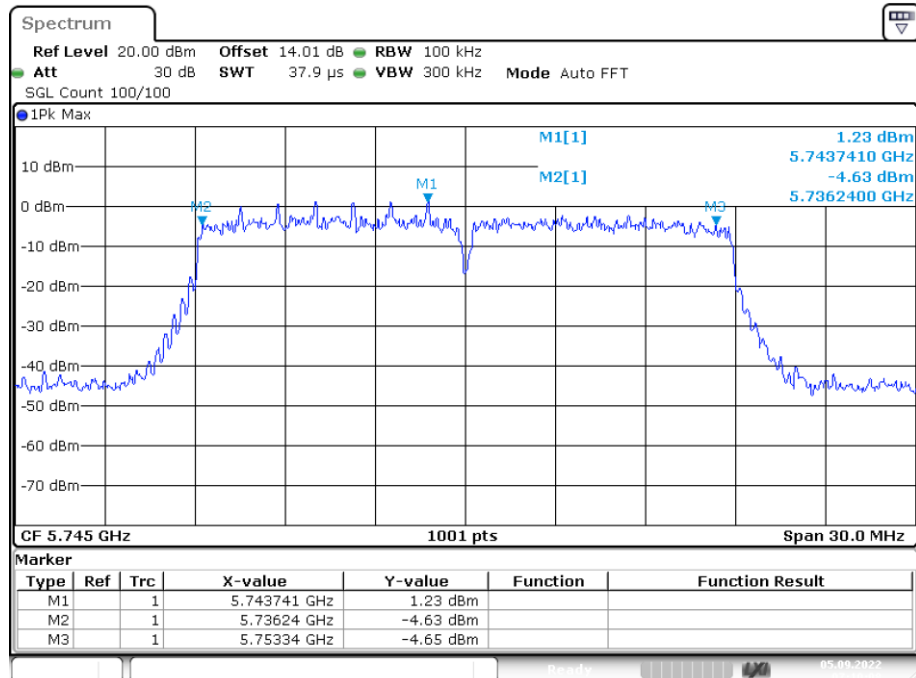
-6dB Bandwidth NVNT ax40 5795MHz Ant1



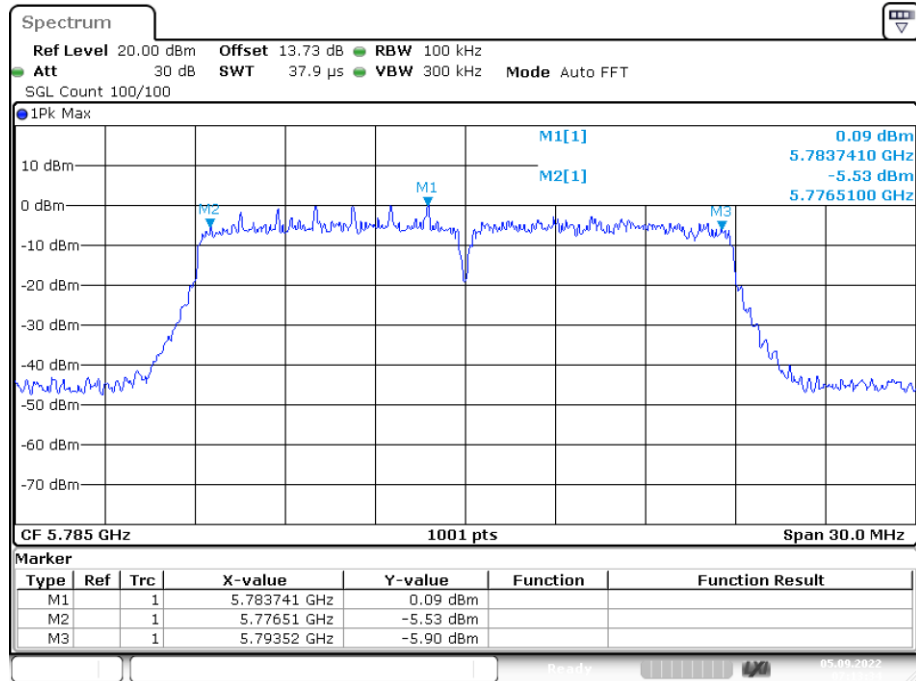
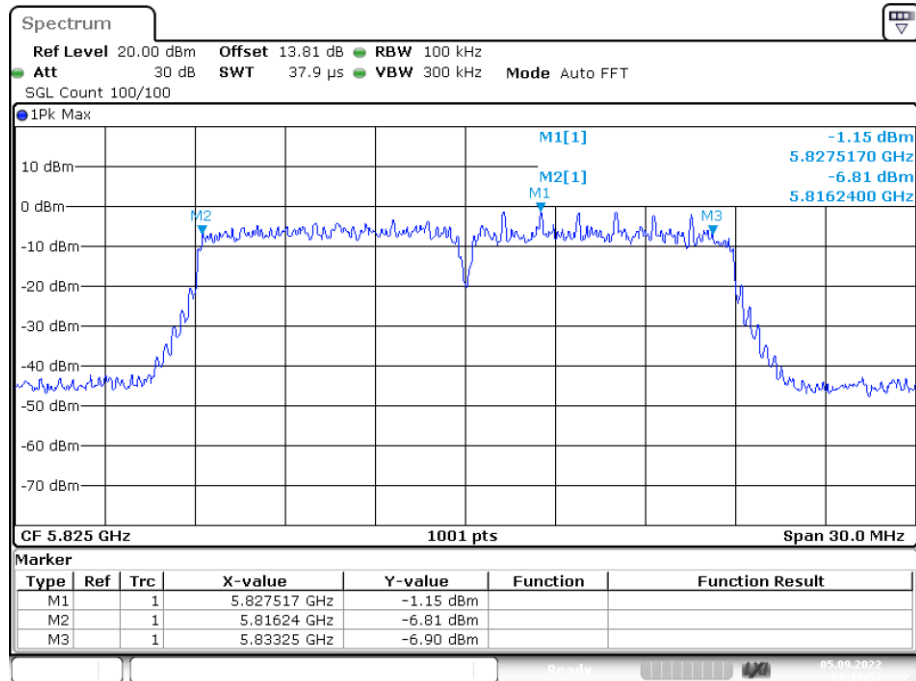
Date: 5.SEP.2022 12:40:31

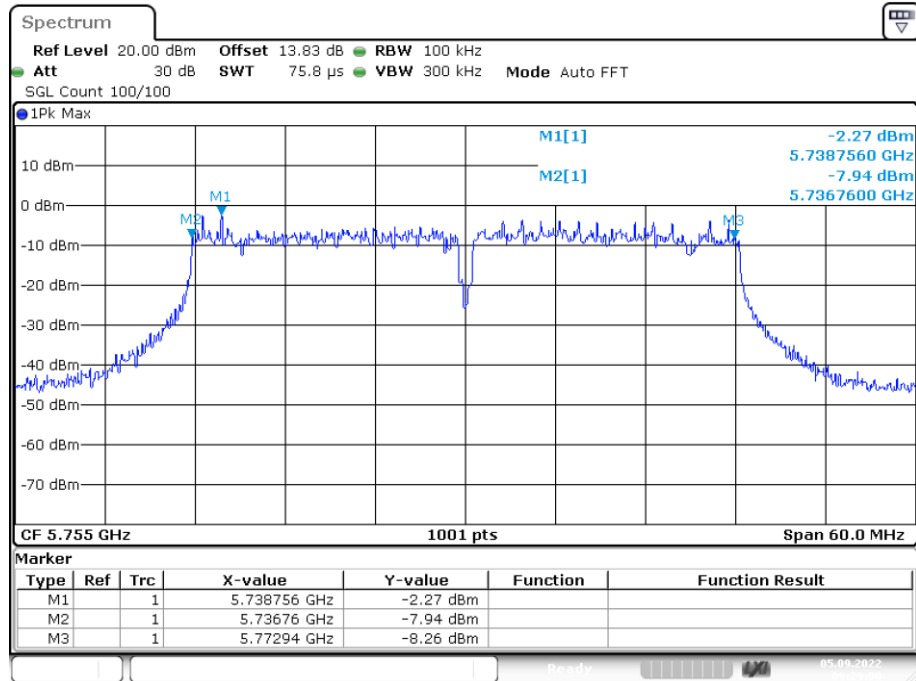
-6dB Bandwidth NVNT ax80 5775MHz Ant1

Date: 5.SEP.2022 12:45:39

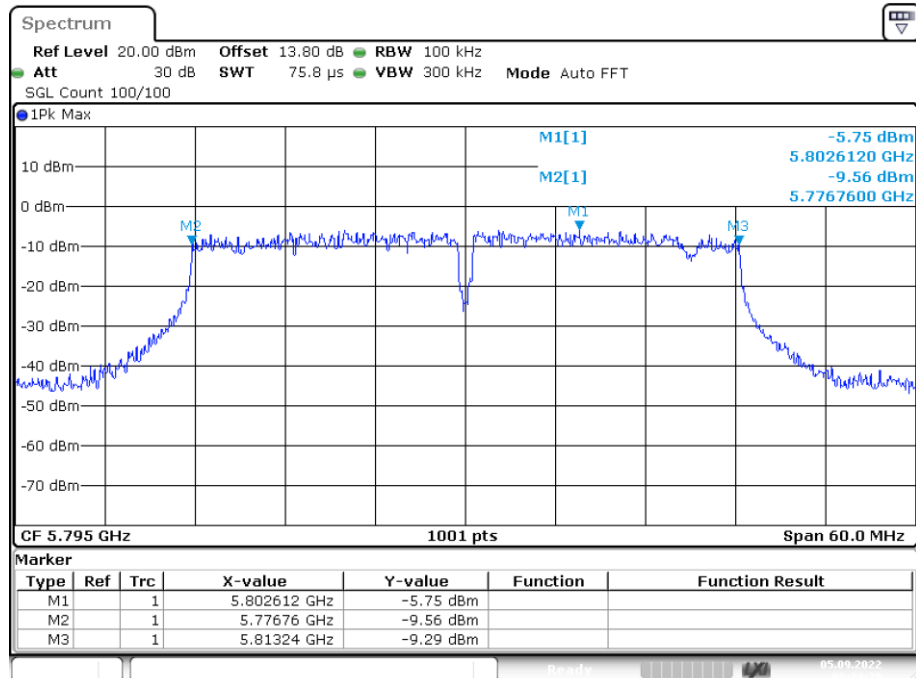
-6dB Bandwidth NVNT n20 5745MHz Ant1

Date: 5.SEP.2022 07:10:07

-6dB Bandwidth NVNT n20 5785MHz Ant1**-6dB Bandwidth NVNT n20 5825MHz Ant1**

-6dB Bandwidth NVNT n40 5755MHz Ant1

Date: 5.SEP.2022 09:28:59

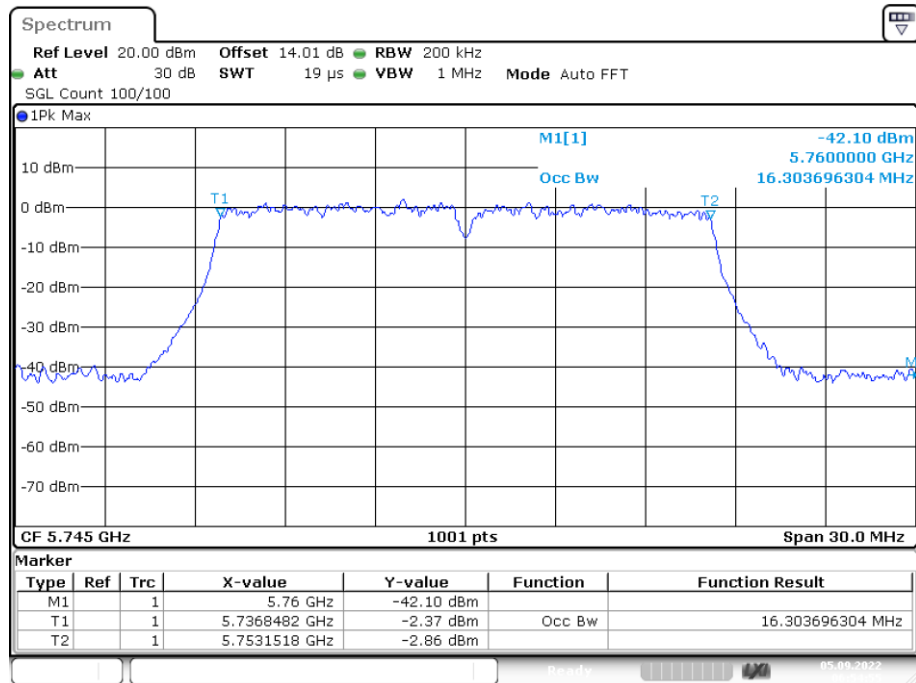
-6dB Bandwidth NVNT n40 5795MHz Ant1

Date: 5.SEP.2022 09:34:28

Occupied Channel Bandwidth

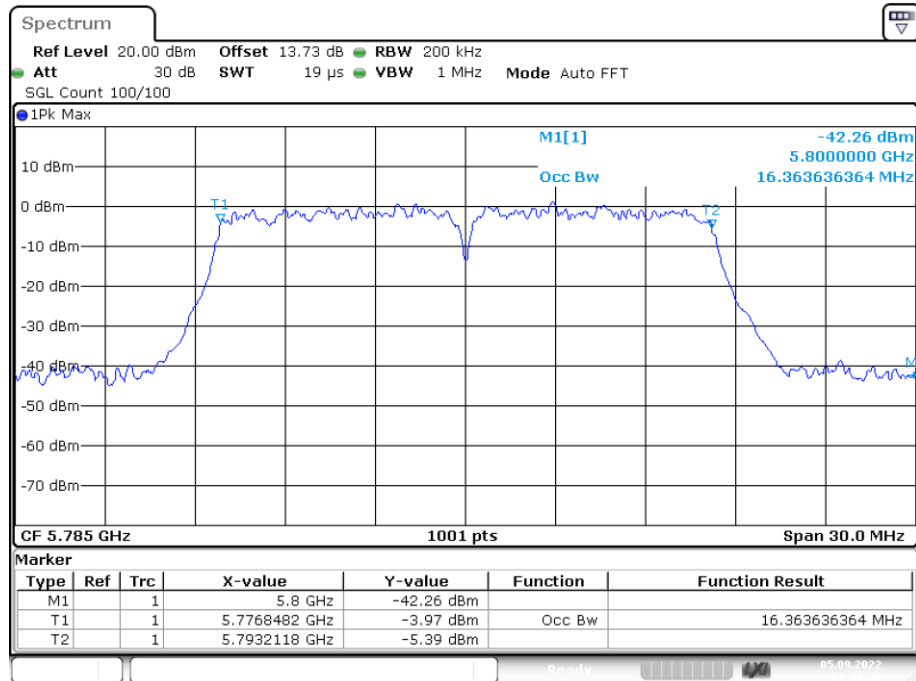
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.304
NVNT	a	5785	Ant1	16.364
NVNT	a	5825	Ant1	16.304
NVNT	ac20	5745	Ant1	17.592
NVNT	ac20	5785	Ant1	17.532
NVNT	ac20	5825	Ant1	17.562
NVNT	ac40	5755	Ant1	36.683
NVNT	ac40	5795	Ant1	36.503
NVNT	ac80	5775	Ant1	76.004
NVNT	ax20	5745	Ant1	18.851
NVNT	ax20	5785	Ant1	18.911
NVNT	ax20	5825	Ant1	18.851
NVNT	ax40	5755	Ant1	37.642
NVNT	ax40	5795	Ant1	37.702
NVNT	ax80	5775	Ant1	77.323
NVNT	n20	5745	Ant1	17.502
NVNT	n20	5785	Ant1	17.562
NVNT	n20	5825	Ant1	17.532
NVNT	n40	5755	Ant1	36.324
NVNT	n40	5795	Ant1	36.324

OBW NVNT a 5745MHz Ant1



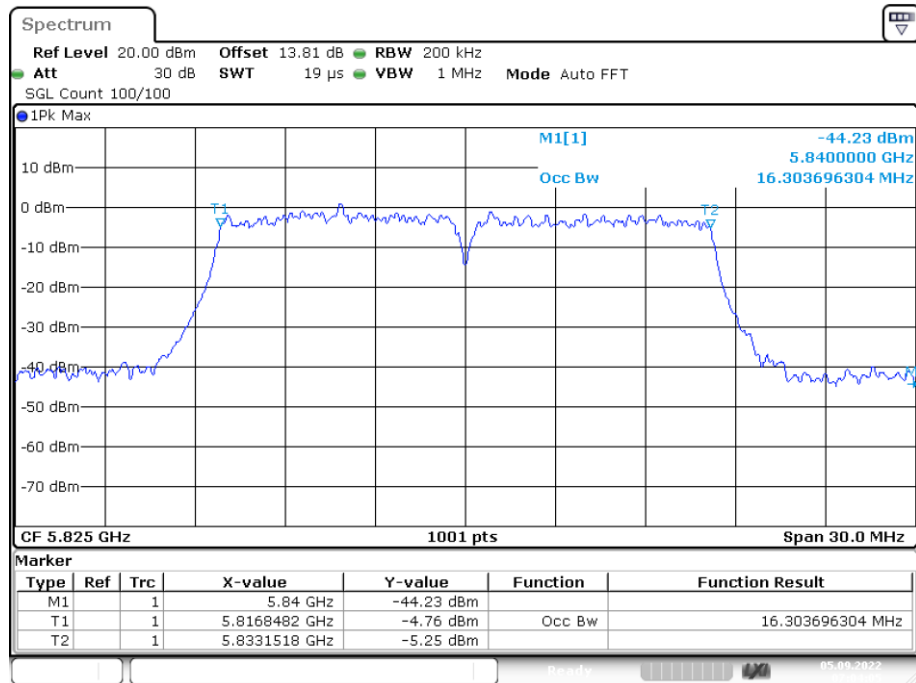
Date: 5.SEP.2022 06:54:55

OBW NVNT a 5785MHz Ant1



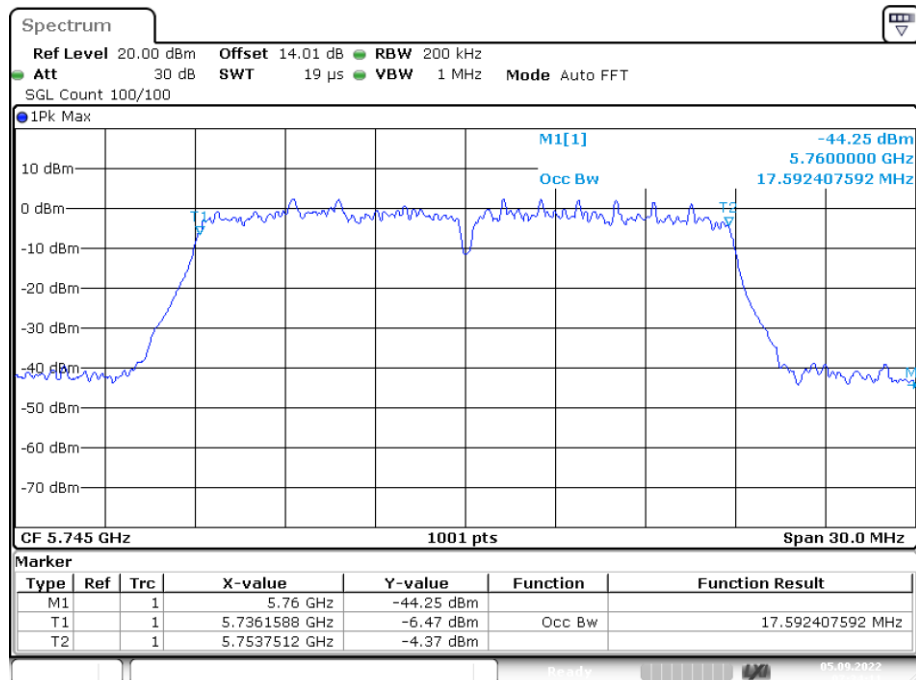
Date: 5.SEP.2022 07:00:19

OBW NVNT a 5825MHz Ant1



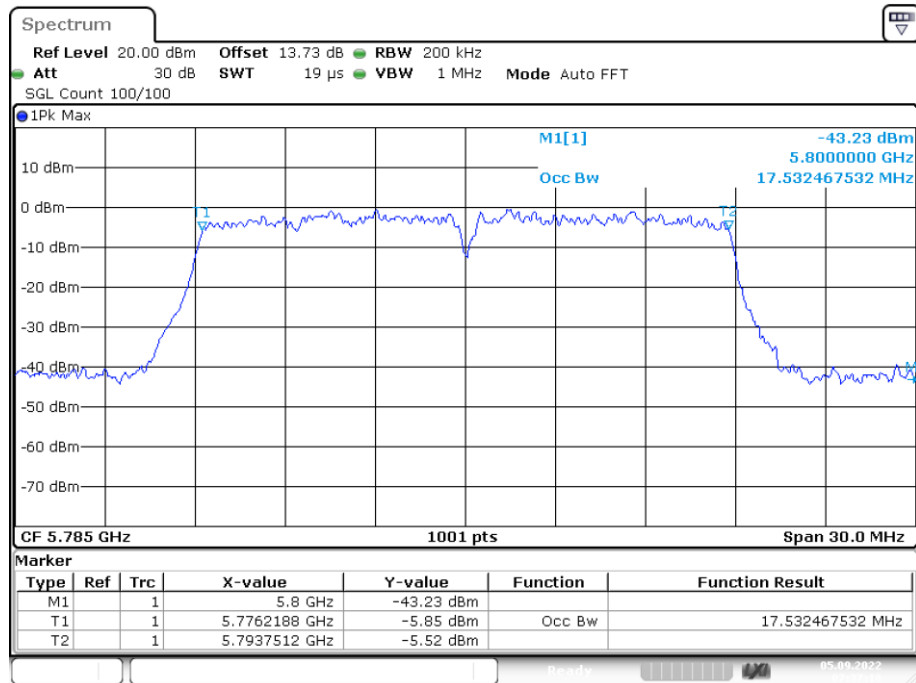
Date: 5.SEP.2022 07:04:05

OBW NVNT ac20 5745MHz Ant1



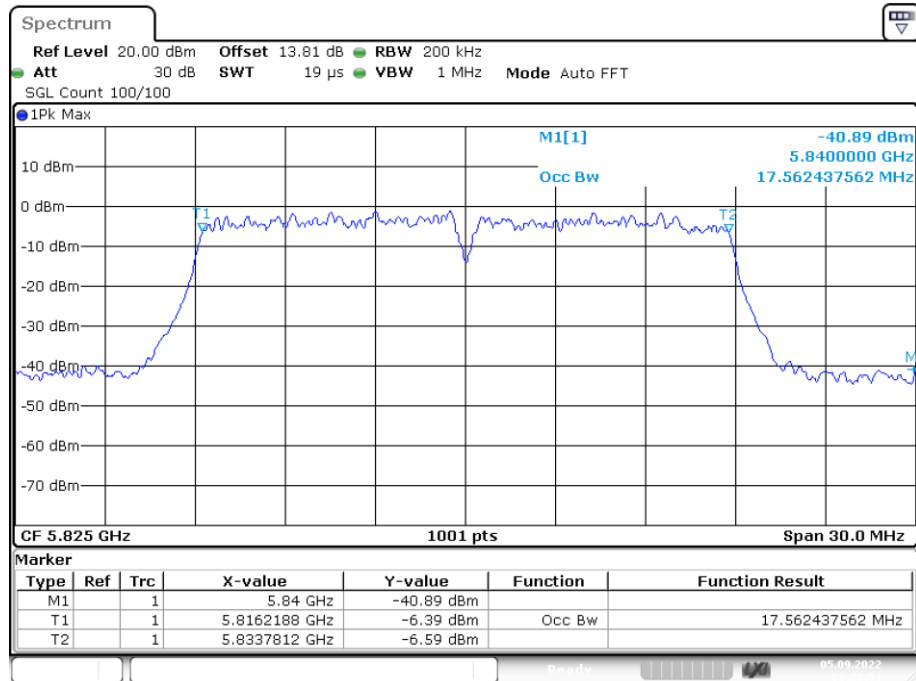
Date: 5.SEP.2022 07:34:11

OBW NVNT ac20 5785MHz Ant1



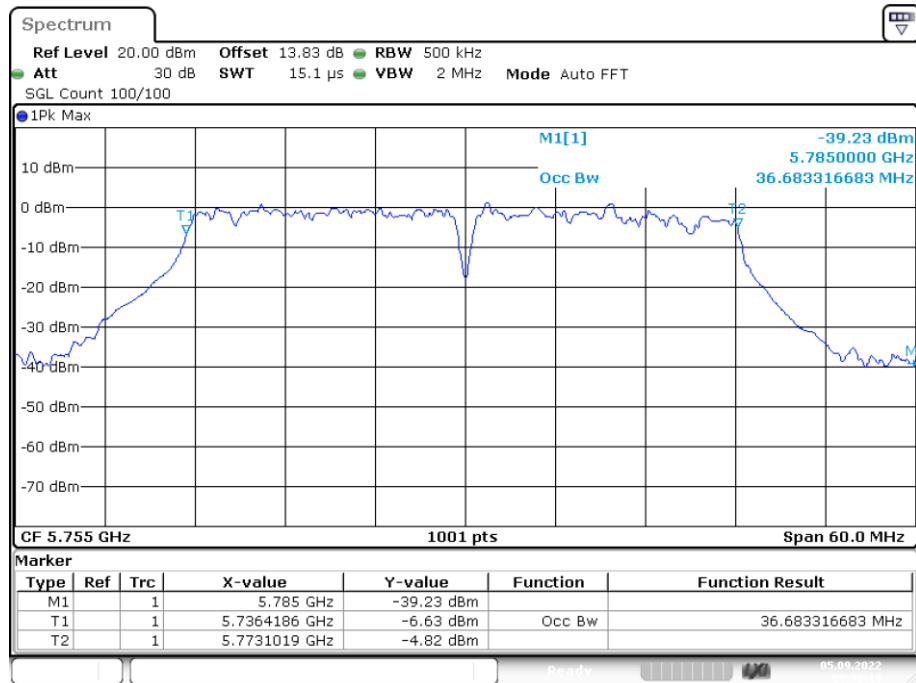
Date: 5.SEP.2022 07:37:19

OBW NVNT ac20 5825MHz Ant1

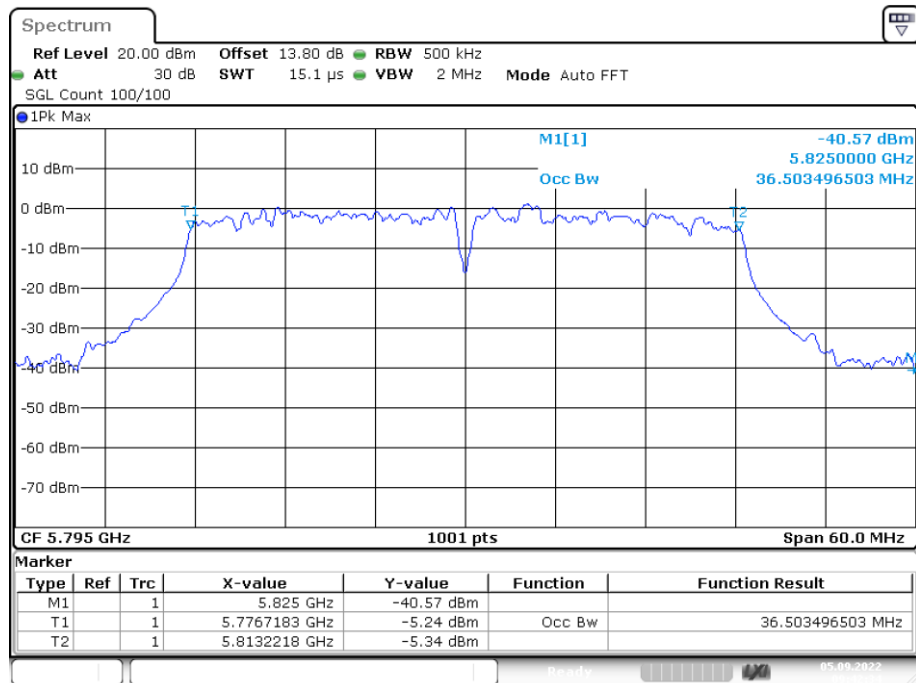


Date: 5.SEP.2022 09:20:51

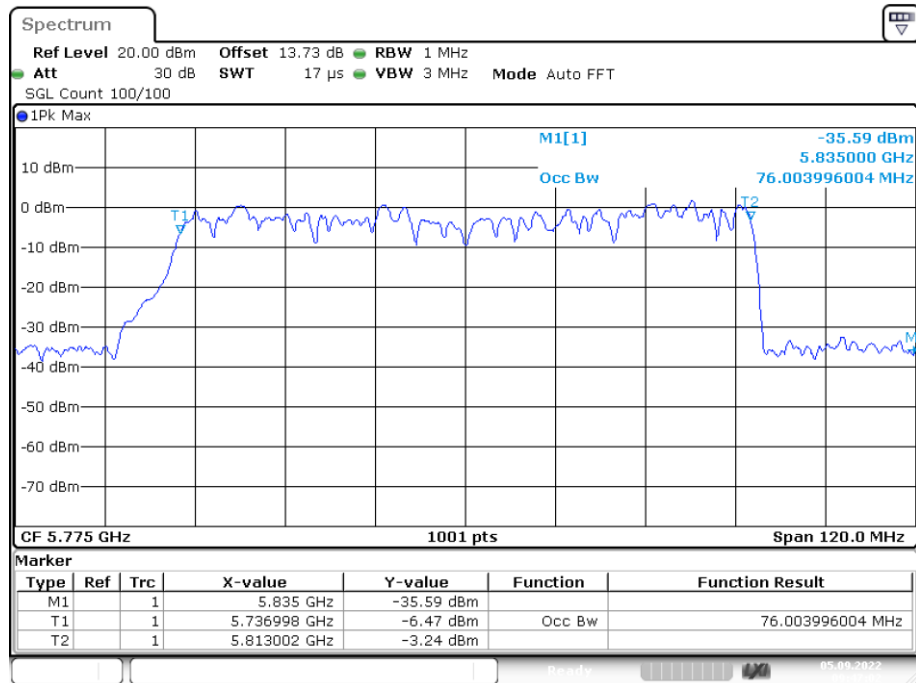
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1

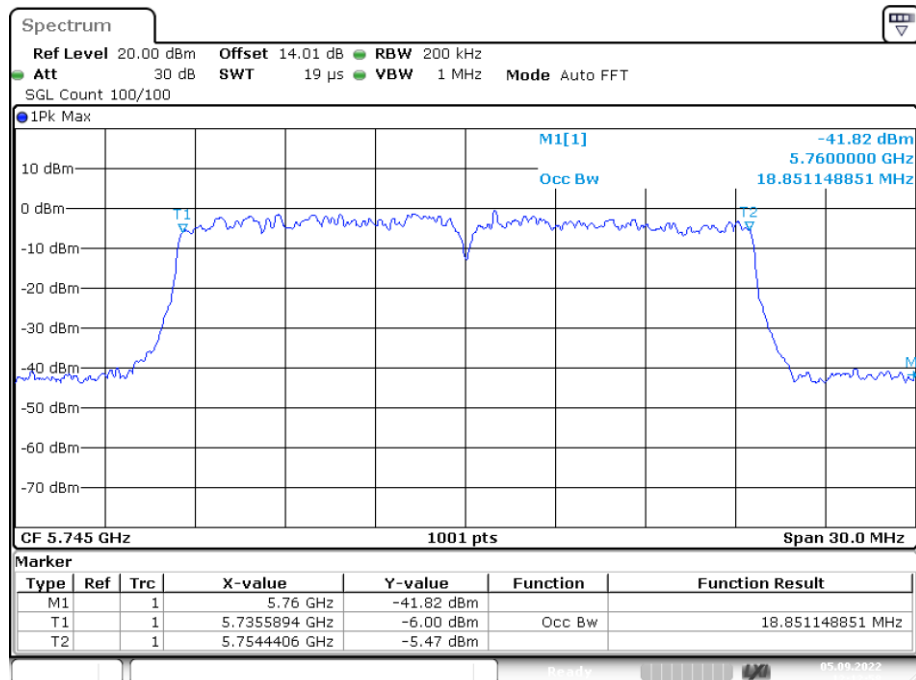


OBW NVNT ac80 5775MHz Ant1



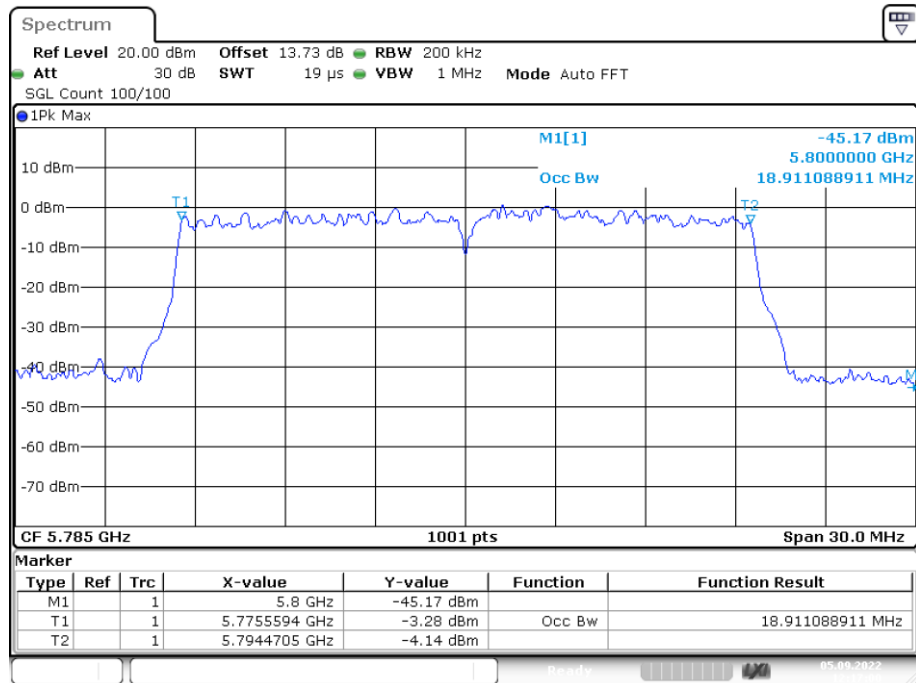
Date: 5.SEP.2022 09:47:02

OBW NVNT ax20 5745MHz Ant1



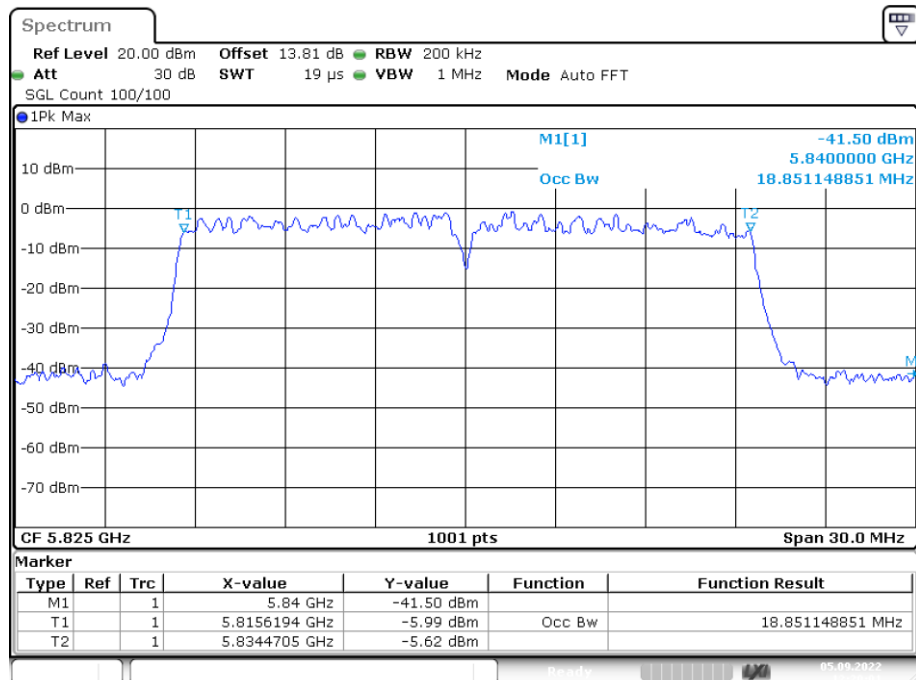
Date: 5.SEP.2022 12:12:58

OBW NVNT ax20 5785MHz Ant1



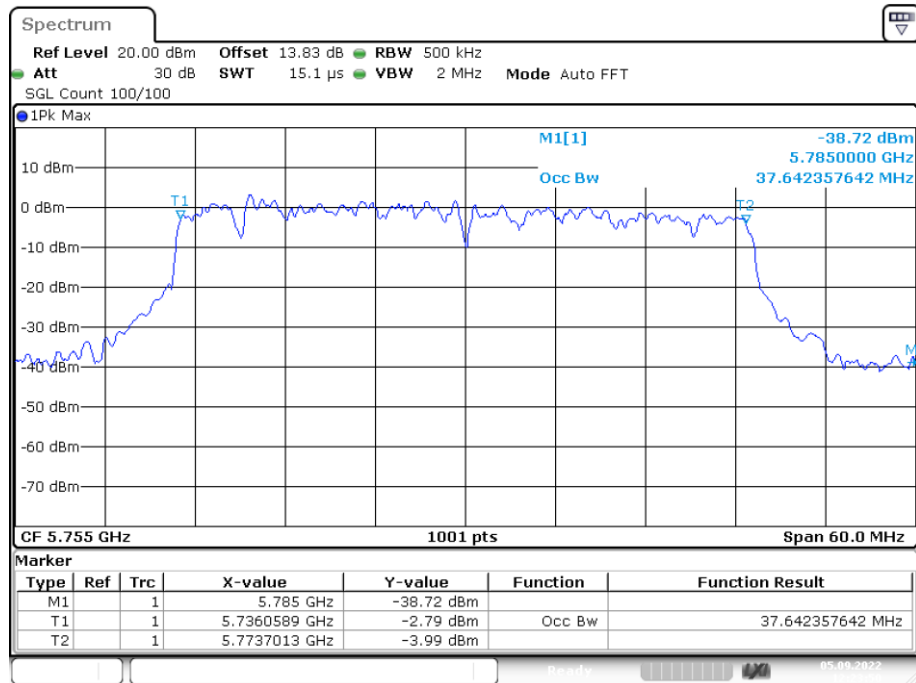
Date: 5.SEP.2022 12:17:00

OBW NVNT ax20 5825MHz Ant1



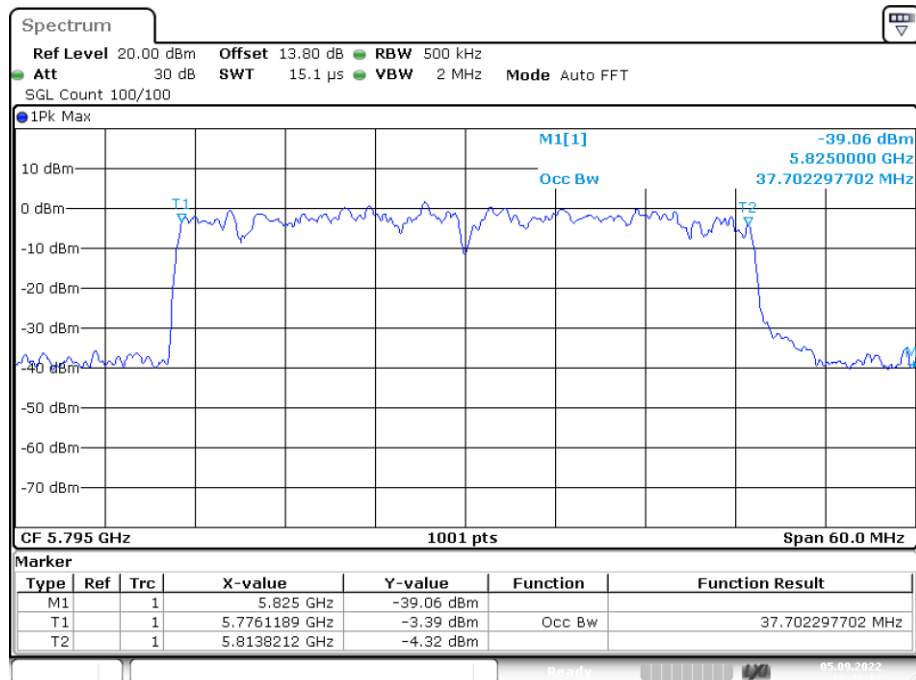
Date: 5.SEP.2022 12:20:00

OBW NVNT ax40 5755MHz Ant1



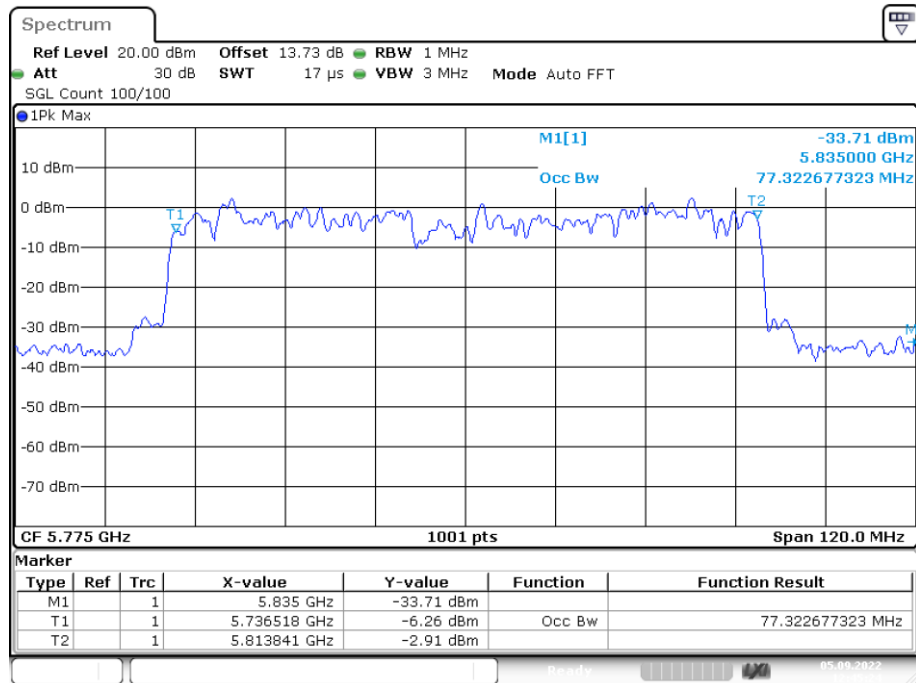
Date: 5.SEP.2022 12:23:49

OBW NVNT ax40 5795MHz Ant1

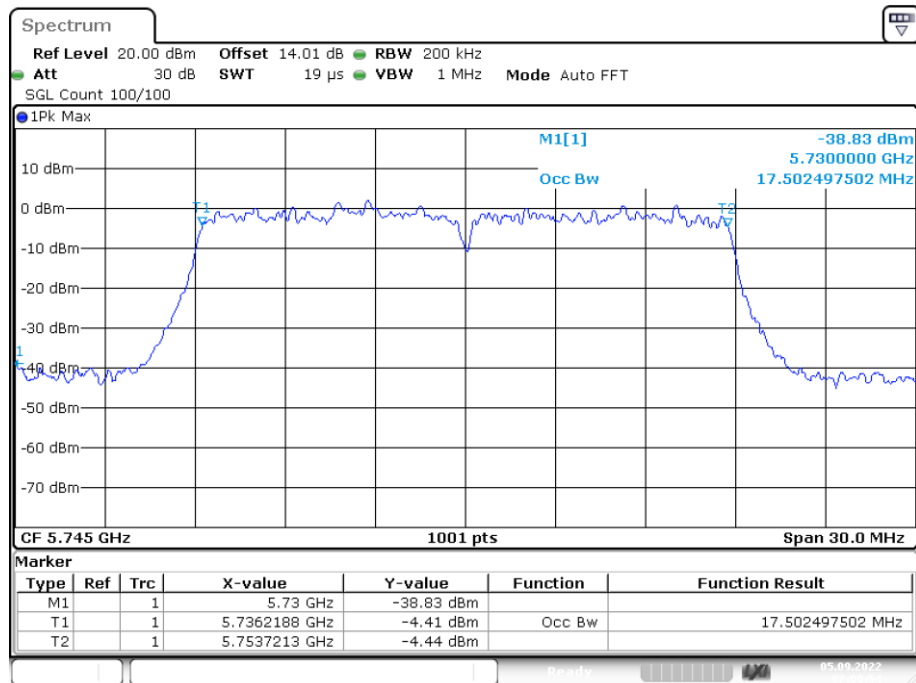


Date: 5.SEP.2022 12:40:17

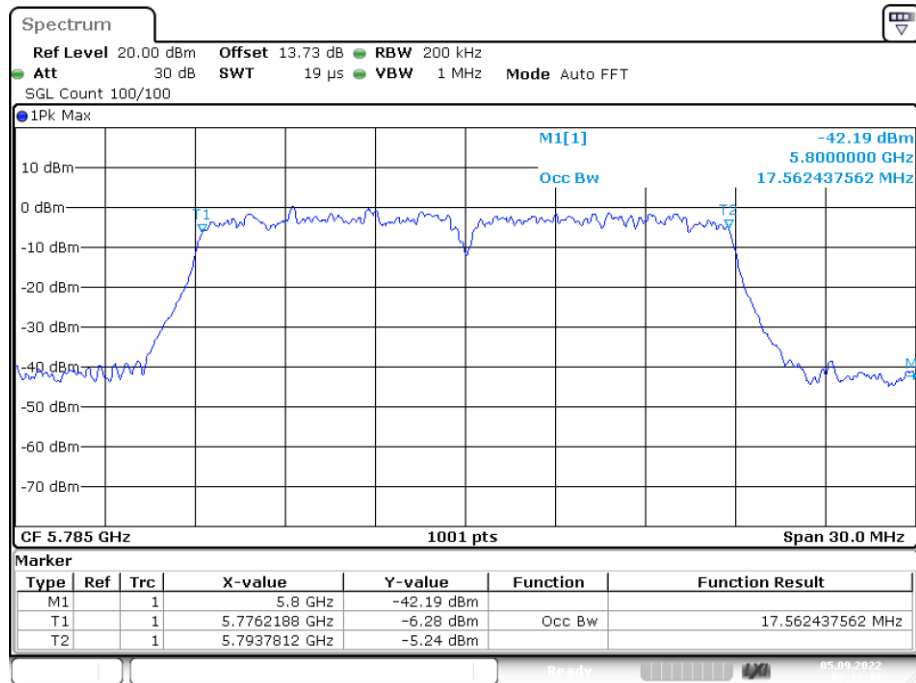
OBW NVNT ax80 5775MHz Ant1



OBW NVNT n20 5745MHz Ant1

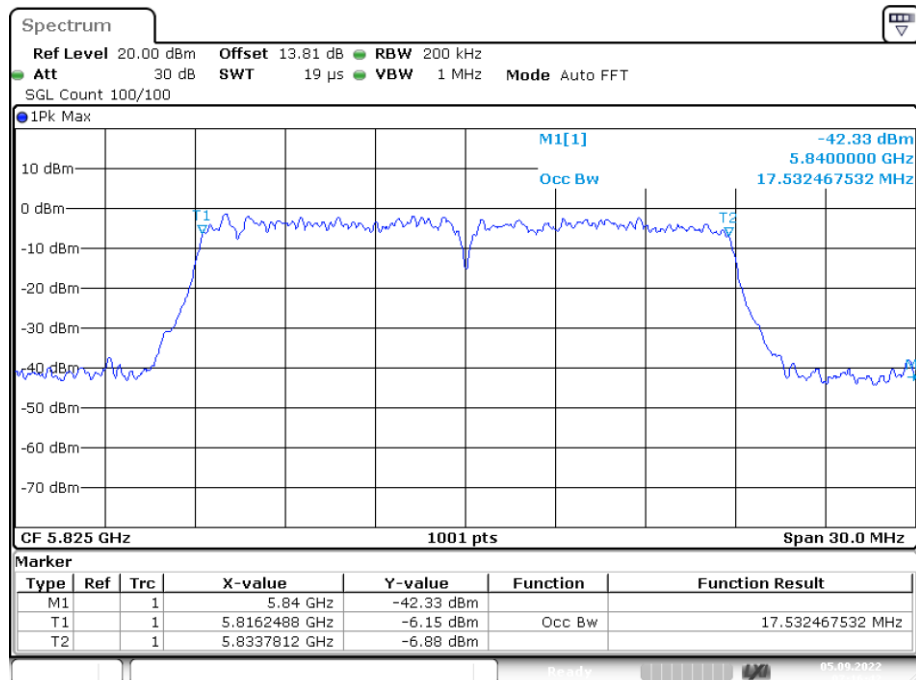


OBW NVNT n20 5785MHz Ant1



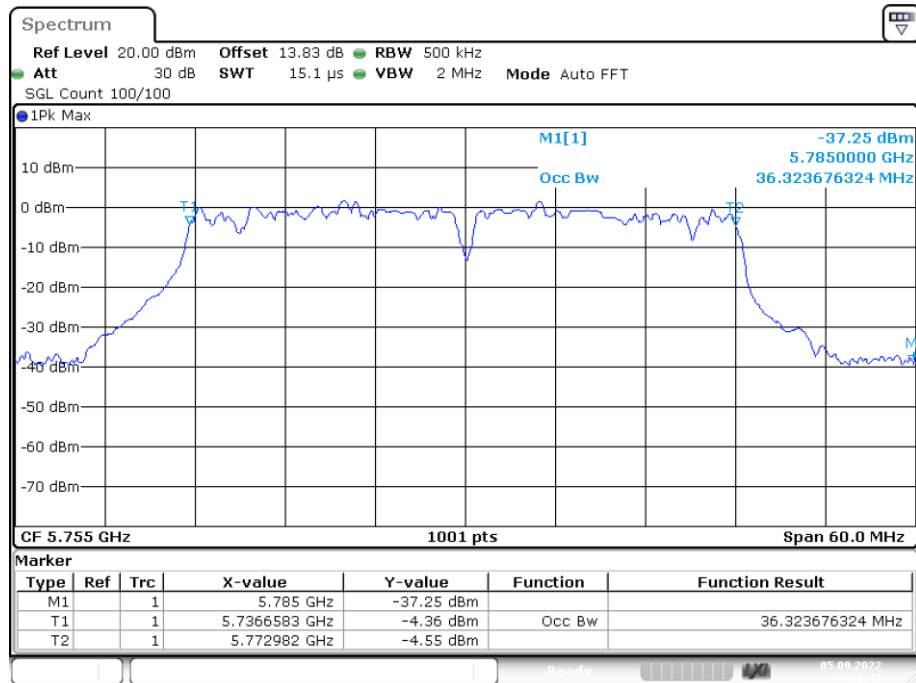
Date: 5.SEP.2022 07:13:20

OBW NVNT n20 5825MHz Ant1



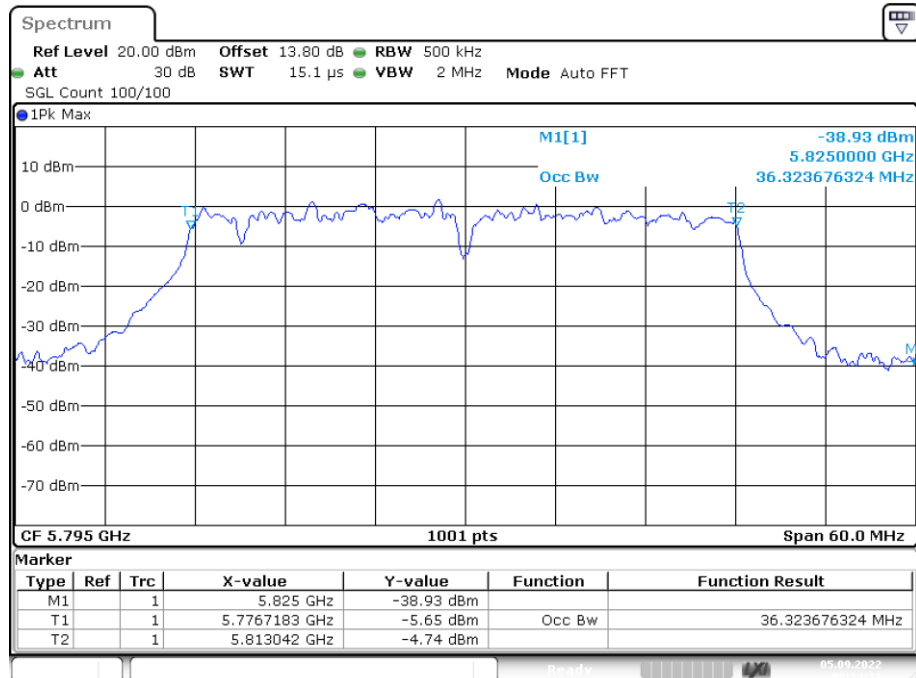
Date: 5.SEP.2022 07:16:42

OBW NVNT n40 5755MHz Ant1



Date: 5.SEP.2022 09:28:42

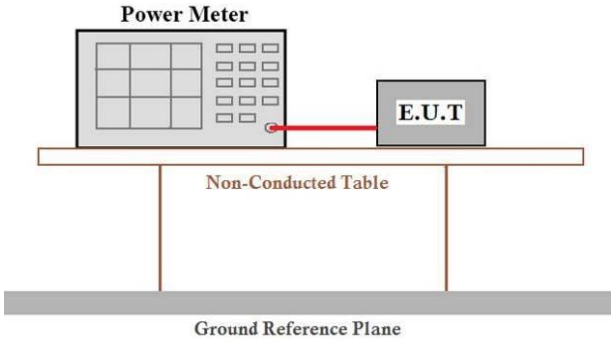
OBW NVNT n40 5795MHz Ant1



Date: 5.SEP.2022 09:34:10

Note: Both antennas have been tested and only the worst data of antenna 1 is shown.

4.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	For the band 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW. For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W.
Test setup:	 The diagram illustrates the test setup. A 'Power Meter' is connected to an 'E.U.T.' (Equipment Under Test) by a red cable. Both the Power Meter and the E.U.T. are placed on a 'Non-Conducted Table'. This table is supported by a 'Ground Reference Plane'.
Test procedure:	Measurement using an RF average power meter (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding $10 \log(1/x)$ where x is the duty cycle (e.g., $10 \log(1/0.25)$ if the duty cycle is 25 percent).
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data**Band 1 (5150-5250 MHz)**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	18.042	0	18.042	24	Pass
NVNT	a	5200	Ant1	18.183	0	18.183	24	Pass
NVNT	a	5240	Ant1	18.053	0	18.053	24	Pass
NVNT	ac20	5180	Ant1+2	18.466	0	18.466	22.44	Pass
NVNT	ac20	5200	Ant1+2	18.174	0	18.174	22.44	Pass
NVNT	ac20	5240	Ant1+2	19.43	0	19.430	22.44	Pass
NVNT	ac40	5190	Ant1+2	18.048	0	18.048	22.44	Pass
NVNT	ac40	5230	Ant1+2	18.349	0	18.349	22.44	Pass
NVNT	ac80	5210	Ant1+2	18.331	0	18.331	22.44	Pass
NVNT	ax20	5180	Ant1+2	16.109	0	16.109	22.44	Pass
NVNT	ax20	5200	Ant1+2	16.626	0	16.626	22.44	Pass
NVNT	ax20	5240	Ant1+2	15.8	0	15.800	22.44	Pass
NVNT	ax40	5190	Ant1+2	16.531	0	16.531	22.44	Pass
NVNT	ax40	5230	Ant1+2	16.643	0	16.643	22.44	Pass
NVNT	ax80	5210	Ant1+2	16.732	0	16.732	22.44	Pass
NVNT	n20	5180	Ant1+2	20.379	0	20.379	22.44	Pass
NVNT	n20	5200	Ant1+2	20.325	0	20.325	22.44	Pass
NVNT	n20	5240	Ant1+2	20.247	0	20.247	22.44	Pass
NVNT	n40	5190	Ant1+2	19.647	0	19.647	22.44	Pass
NVNT	n40	5230	Ant1+2	20.037	0	20.037	22.44	Pass

Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	18.306	0	18.306	24	Pass
NVNT	a	5280	Ant1	17.966	0	17.966	24	Pass
NVNT	a	5320	Ant1	17.915	0	17.915	24	Pass
NVNT	ac20	5260	Ant1+2	18.726	0	18.726	22.44	Pass
NVNT	ac20	5280	Ant1+2	19.267	0	19.267	22.44	Pass
NVNT	ac20	5320	Ant1+2	18.965	0	18.965	22.44	Pass
NVNT	ac40	5270	Ant1+2	17.572	0	17.572	22.44	Pass
NVNT	ac40	5310	Ant1+2	17.706	0	17.706	22.44	Pass
NVNT	ac80	5290	Ant1+2	17.881	0	17.881	22.44	Pass
NVNT	ax20	5260	Ant1+2	15.922	0	15.922	22.44	Pass
NVNT	ax20	5280	Ant1+2	15.644	0	15.644	22.44	Pass
NVNT	ax20	5320	Ant1+2	15.683	0	15.683	22.44	Pass
NVNT	ax40	5270	Ant1+2	16.240	0	16.240	22.44	Pass
NVNT	ax40	5310	Ant1+2	15.579	0	15.579	22.44	Pass
NVNT	ax80	5290	Ant1+2	15.815	0	15.815	22.44	Pass
NVNT	n20	5260	Ant1+2	20.545	0	20.545	22.44	Pass
NVNT	n20	5280	Ant1+2	20.125	0	20.125	22.44	Pass
NVNT	n20	5320	Ant1+2	20.190	0	20.190	22.44	Pass
NVNT	n40	5270	Ant1+2	20.315	0	20.315	22.44	Pass
NVNT	n40	5310	Ant1+2	19.818	0	19.818	22.44	Pass

Band 3 (5740 -5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	18.371	0	18.371	24	Pass
NVNT	a	5580	Ant1	18.364	0	18.364	24	Pass
NVNT	a	5700	Ant1	17.652	0	17.652	24	Pass
NVNT	ac20	5500	Ant1+2	18.561	0	18.561	22.44	Pass
NVNT	ac20	5580	Ant1+2	18.787	0	18.787	22.44	Pass
NVNT	ac20	5700	Ant1+2	18.84	0	18.840	22.44	Pass
NVNT	ac40	5510	Ant1+2	18.325	0	18.325	22.44	Pass
NVNT	ac40	5670	Ant1+2	18.17	0	18.170	22.44	Pass
NVNT	ac80	5530	Ant1+2	18.095	0	18.095	22.44	Pass
NVNT	ax20	5500	Ant1+2	16.037	0	16.037	22.44	Pass
NVNT	ax20	5580	Ant1+2	15.946	0	15.946	22.44	Pass
NVNT	ax20	5700	Ant1+2	16.042	0	16.042	22.44	Pass
NVNT	ax40	5510	Ant1+2	16.049	0	16.049	22.44	Pass
NVNT	ax40	5670	Ant1+2	16.452	0	16.452	22.44	Pass
NVNT	ax80	5530	Ant1+2	16.324	0	16.324	22.44	Pass
NVNT	n20	5500	Ant1+2	19.554	0	19.554	22.44	Pass
NVNT	n20	5580	Ant1+2	19.667	0	19.667	22.44	Pass
NVNT	n20	5700	Ant1+2	19.75	0	19.750	22.44	Pass
NVNT	n40	5510	Ant1+2	20.063	0	20.063	22.44	Pass
NVNT	n40	5670	Ant1+2	20.503	0	20.503	22.44	Pass

Band 4 (5725 – 5850 MHz)

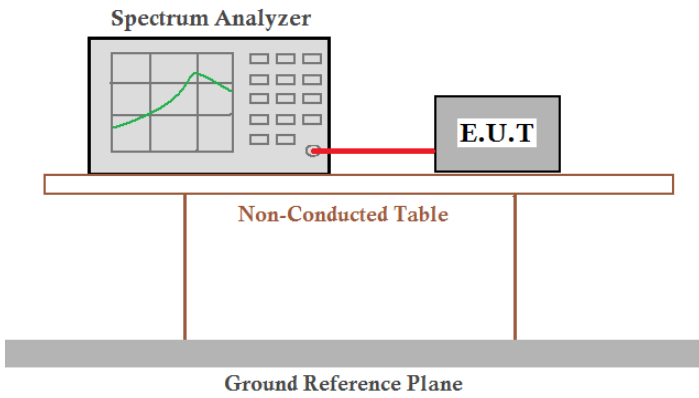
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	17.591	0	17.591	30	Pass
NVNT	a	5785	Ant1	18.179	0	18.179	30	Pass
NVNT	a	5825	Ant1	17.701	0	17.701	30	Pass
NVNT	ac20	5745	Ant1+2	19.484	0	19.484	28.44	Pass
NVNT	ac20	5785	Ant1+2	18.792	0	18.792	28.44	Pass
NVNT	ac20	5825	Ant1+2	19.16	0	19.160	28.44	Pass
NVNT	ac40	5755	Ant1+2	18.019	0	18.019	28.44	Pass
NVNT	ac40	5795	Ant1+2	17.913	0	17.913	28.44	Pass
NVNT	ac80	5775	Ant1+2	18.18	0	18.180	28.44	Pass
NVNT	ax20	5745	Ant1+2	15.939	0	15.939	28.44	Pass
NVNT	ax20	5785	Ant1+2	15.885	0	15.885	28.44	Pass
NVNT	ax20	5825	Ant1+2	15.871	0	15.871	28.44	Pass
NVNT	ax40	5755	Ant1+2	16.167	0	16.167	28.44	Pass
NVNT	ax40	5795	Ant1+2	15.739	0	15.739	28.44	Pass
NVNT	ax80	5775	Ant1+2	16.067	0	16.067	28.44	Pass
NVNT	n20	5745	Ant1+2	20.13	0	20.130	28.44	Pass
NVNT	n20	5785	Ant1+2	20.498	0	20.498	28.44	Pass
NVNT	n20	5825	Ant1+2	19.95	0	19.950	28.44	Pass
NVNT	n40	5755	Ant1+2	20.482	0	20.482	28.44	Pass
NVNT	n40	5795	Ant1+2	20.285	0	20.285	28.44	Pass

Note: 1. Except for mode a, other modes test the MIMO status.

2. Directional gain=7.56dBi, so the Conducted Power Limit need to reduce 1.56.

3. In SISO mode, both antennas have been tested, and only the worst data of antenna 1 is displayed.

4.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	$\leq 11.00\text{dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz $\leq 30.00\text{dBm/500KHz}$ for 5725MHz-5850MHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test procedure:	1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power..." 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E)2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PSD.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data**Band 1 (5150-5250 MHz)**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.794	11	Pass
NVNT	a	5200	Ant1	6.965	11	Pass
NVNT	a	5240	Ant1	6.865	11	Pass
NVNT	ac20	5180	Ant1+2	7.658	9.44	Pass
NVNT	ac20	5200	Ant1+2	7.267	9.44	Pass
NVNT	ac20	5240	Ant1+2	8.569	9.44	Pass
NVNT	ac40	5190	Ant1+2	4.244	9.44	Pass
NVNT	ac40	5230	Ant1+2	4.441	9.44	Pass
NVNT	ac80	5210	Ant1+2	2.013	9.44	Pass
NVNT	ax20	5180	Ant1+2	5.441	9.44	Pass
NVNT	ax20	5200	Ant1+2	5.961	9.44	Pass
NVNT	ax20	5240	Ant1+2	5.143	9.44	Pass
NVNT	ax40	5190	Ant1+2	3.873	9.44	Pass
NVNT	ax40	5230	Ant1+2	4.031	9.44	Pass
NVNT	ax80	5210	Ant1+2	0.345	9.44	Pass
NVNT	n20	5180	Ant1+2	8.935	9.44	Pass
NVNT	n20	5200	Ant1+2	8.973	9.44	Pass
NVNT	n20	5240	Ant1+2	9.119	9.44	Pass
NVNT	n40	5190	Ant1+2	5.352	9.44	Pass
NVNT	n40	5230	Ant1+2	5.686	9.44	Pass

Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	7.137	11	Pass
NVNT	a	5280	Ant1	6.808	11	Pass
NVNT	a	5320	Ant1	6.694	11	Pass
NVNT	ac20	5260	Ant1+2	7.994	9.44	Pass
NVNT	ac20	5280	Ant1+2	8.274	9.44	Pass
NVNT	ac20	5320	Ant1+2	8.143	9.44	Pass
NVNT	ac40	5270	Ant1+2	3.722	9.44	Pass
NVNT	ac40	5310	Ant1+2	3.824	9.44	Pass
NVNT	ac80	5290	Ant1+2	2.199	9.44	Pass
NVNT	ax20	5260	Ant1+2	5.127	9.44	Pass
NVNT	ax20	5280	Ant1+2	5.024	9.44	Pass
NVNT	ax20	5320	Ant1+2	5.039	9.44	Pass
NVNT	ax40	5270	Ant1+2	3.554	9.44	Pass
NVNT	ax40	5310	Ant1+2	3.092	9.44	Pass
NVNT	ax80	5290	Ant1+2	0.613	9.44	Pass
NVNT	n20	5260	Ant1+2	9.210	9.44	Pass
NVNT	n20	5280	Ant1+2	9.156	9.44	Pass
NVNT	n20	5320	Ant1+2	9.305	9.44	Pass
NVNT	n40	5270	Ant1+2	5.966	9.44	Pass
NVNT	n40	5310	Ant1+2	5.498	9.44	Pass

Band 3 (5740 -5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	7.17	11	Pass
NVNT	a	5580	Ant1	7.122	11	Pass
NVNT	a	5700	Ant1	6.412	11	Pass
NVNT	ac20	5500	Ant1+2	7.627	9.44	Pass
NVNT	ac20	5580	Ant1+2	8.902	9.44	Pass
NVNT	ac20	5700	Ant1+2	8.000	9.44	Pass
NVNT	ac40	5510	Ant1+2	4.769	9.44	Pass
NVNT	ac40	5670	Ant1+2	4.424	9.44	Pass
NVNT	ac80	5530	Ant1+2	1.729	9.44	Pass
NVNT	ax20	5500	Ant1+2	5.605	9.44	Pass
NVNT	ax20	5580	Ant1+2	5.425	9.44	Pass
NVNT	ax20	5700	Ant1+2	5.406	9.44	Pass
NVNT	ax40	5510	Ant1+2	3.027	9.44	Pass
NVNT	ax40	5670	Ant1+2	3.984	9.44	Pass
NVNT	ax80	5530	Ant1+2	0.613	9.44	Pass
NVNT	n20	5500	Ant1+2	8.636	9.44	Pass
NVNT	n20	5580	Ant1+2	8.776	9.44	Pass
NVNT	n20	5700	Ant1+2	8.891	9.44	Pass
NVNT	n40	5510	Ant1+2	5.964	9.44	Pass
NVNT	n40	5670	Ant1+2	6.358	9.44	Pass

Band 4 (5725 – 5850 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	3.442	30	Pass
NVNT	a	5785	Ant1	4.026	30	Pass
NVNT	a	5825	Ant1	3.510	30	Pass
NVNT	ac20	5745	Ant1+2	5.414	28.44	Pass
NVNT	ac20	5785	Ant1+2	4.814	28.44	Pass
NVNT	ac20	5825	Ant1+2	5.130	28.44	Pass
NVNT	ac40	5755	Ant1+2	1.189	28.44	Pass
NVNT	ac40	5795	Ant1+2	1.179	28.44	Pass
NVNT	ac80	5775	Ant1+2	-1.134	28.44	Pass
NVNT	ax20	5745	Ant1+2	2.652	28.44	Pass
NVNT	ax20	5785	Ant1+2	2.479	28.44	Pass
NVNT	ax20	5825	Ant1+2	2.532	28.44	Pass
NVNT	ax40	5755	Ant1+2	0.645	28.44	Pass
NVNT	ax40	5795	Ant1+2	0.317	28.44	Pass
NVNT	ax80	5775	Ant1+2	-3.188	28.44	Pass
NVNT	n20	5745	Ant1+2	5.986	28.44	Pass
NVNT	n20	5785	Ant1+2	6.345	28.44	Pass
NVNT	n20	5825	Ant1+2	5.788	28.44	Pass
NVNT	n40	5755	Ant1+2	2.852	28.44	Pass
NVNT	n40	5795	Ant1+2	2.747	28.44	Pass

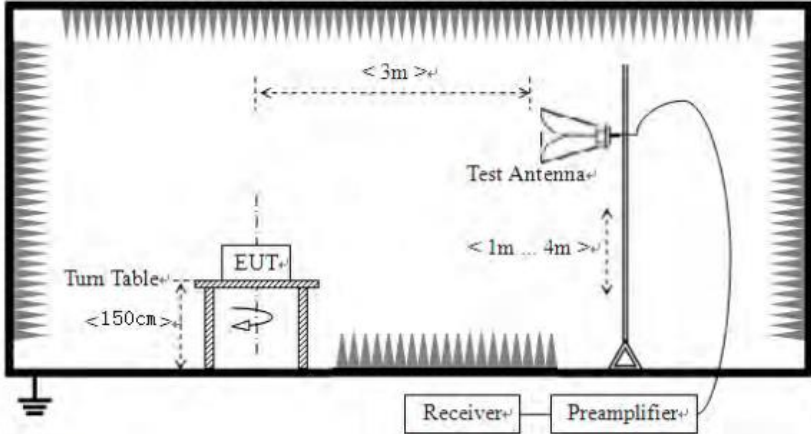
Note: 1. Except for mode a, other modes test the MIMO status.

2. Directional gain=7.56dBi, so the Conducted Power Limit need to reduce 1.56.

3. In SISO mode, both antennas have been tested, and only the worst data of antenna 1 is displayed.

4.6 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205																								
Test Method:	ANSI C63.10:2013																								
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																								
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr><tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr></table>					Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	AV	1MHz	3MHz	Average Value	
Frequency	Detector	RBW	VBW	Remark																					
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value																					
Above 1GHz	Peak	1MHz	3MHz	Peak Value																					
	AV	1MHz	3MHz	Average Value																					
Limit:	<table><tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr><tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr><tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr><tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr><tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr><tr><td>68.2</td><td>Peak Value</td></tr></table> Undesirable emission limits: (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. (3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.					Frequency	Limit (dBuV/m @3m)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	68.2	Peak Value
Frequency	Limit (dBuV/m @3m)	Remark																							
30MHz-88MHz	40.0	Quasi-peak Value																							
88MHz-216MHz	43.5	Quasi-peak Value																							
216MHz-960MHz	46.0	Quasi-peak Value																							
960MHz-1GHz	54.0	Quasi-peak Value																							
Above 1GHz	54.0	Average Value																							
	68.2	Peak Value																							
Test Procedure:	a. The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. 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. d. 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 table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. 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 setup:	Above 1GHz																								

	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Remark:

According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

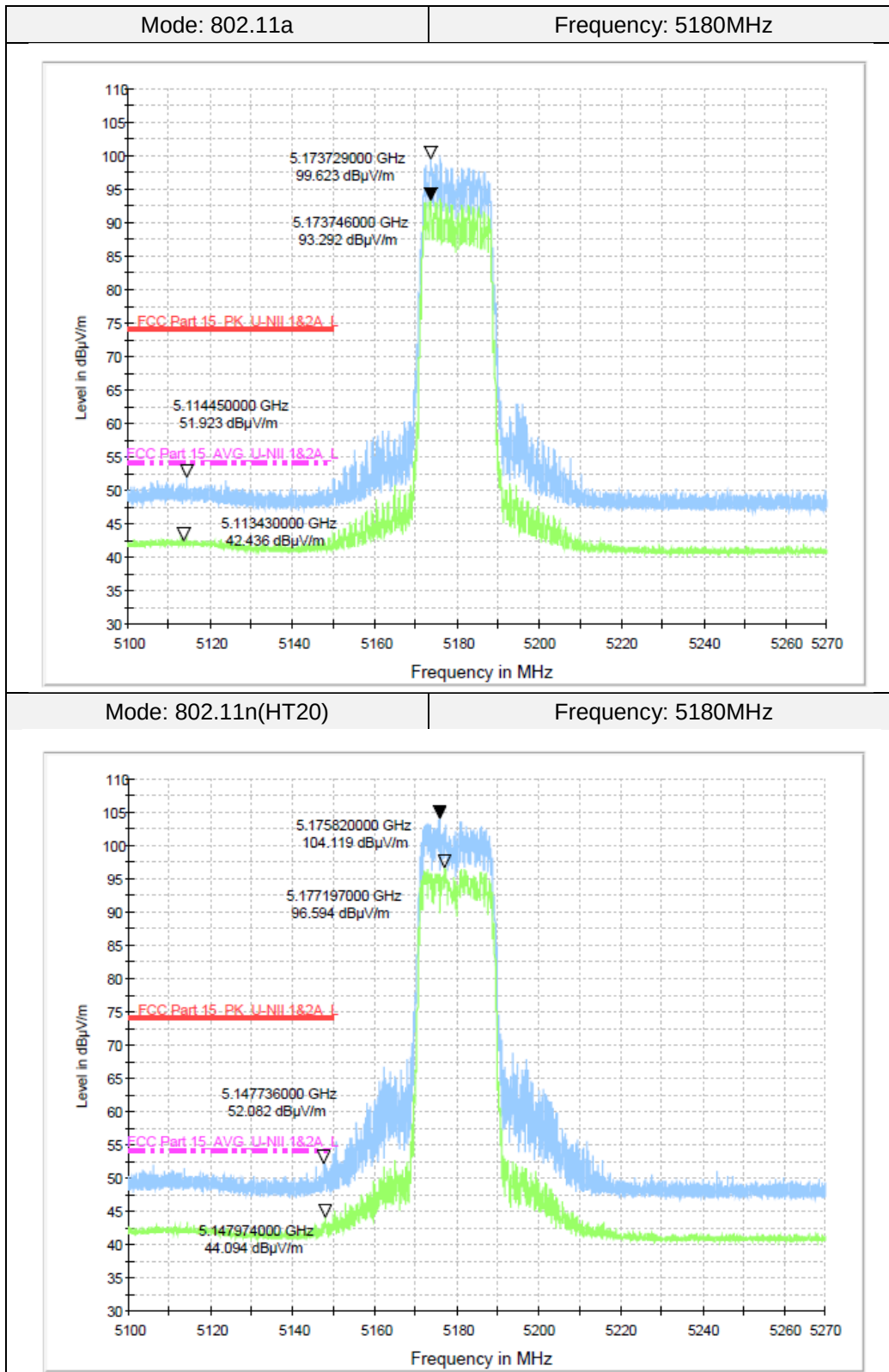
$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2,$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

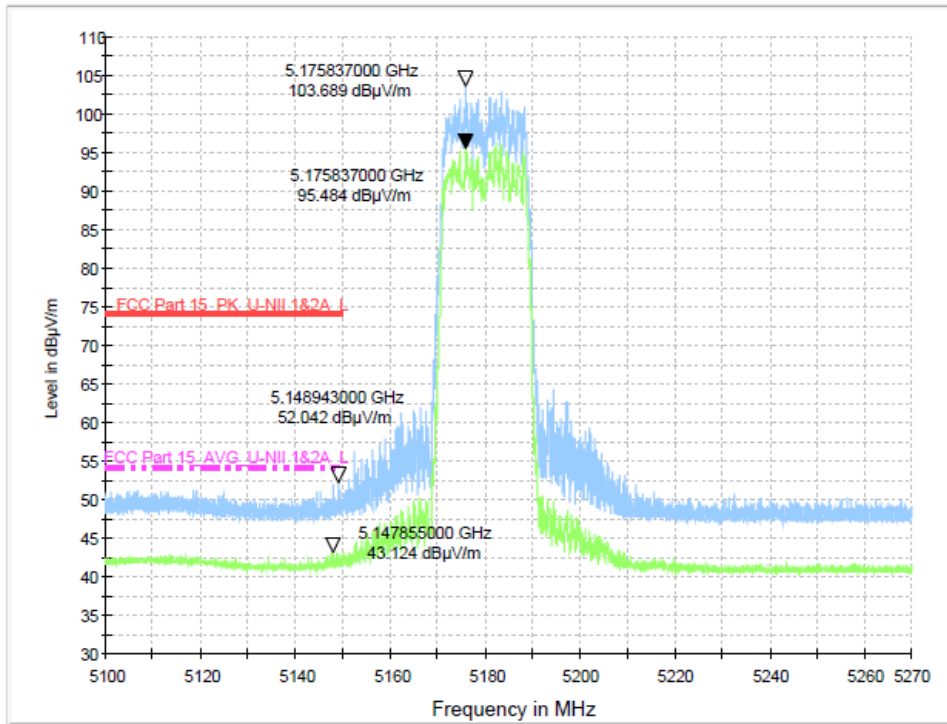
Measurement Data:

Band1



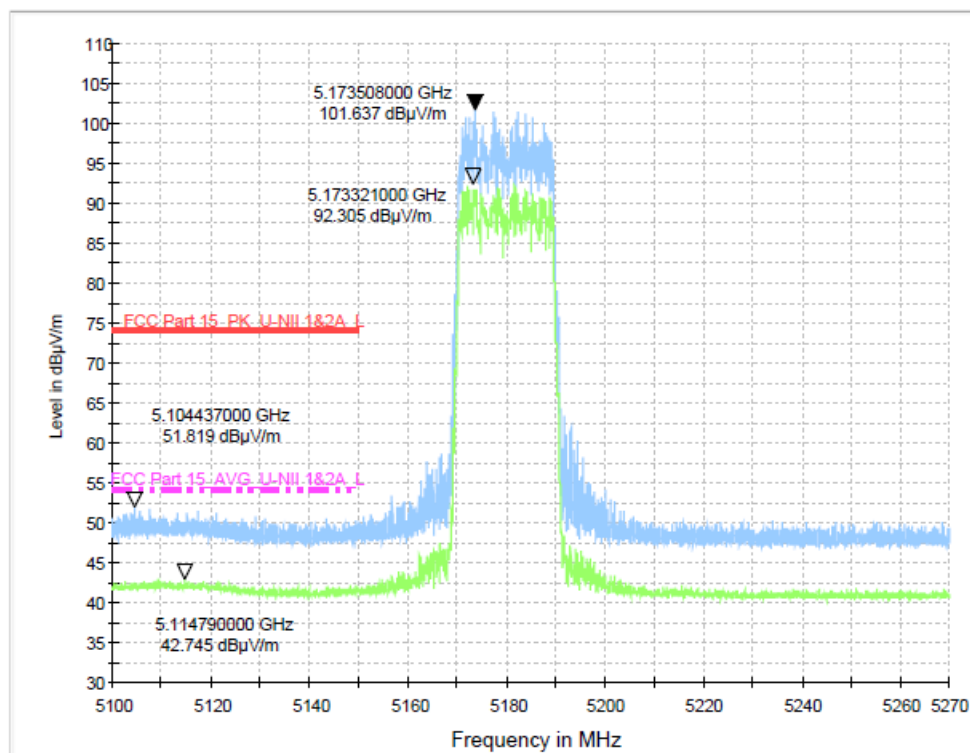
Mode: 802.11ac20

Frequency: 5180MHz



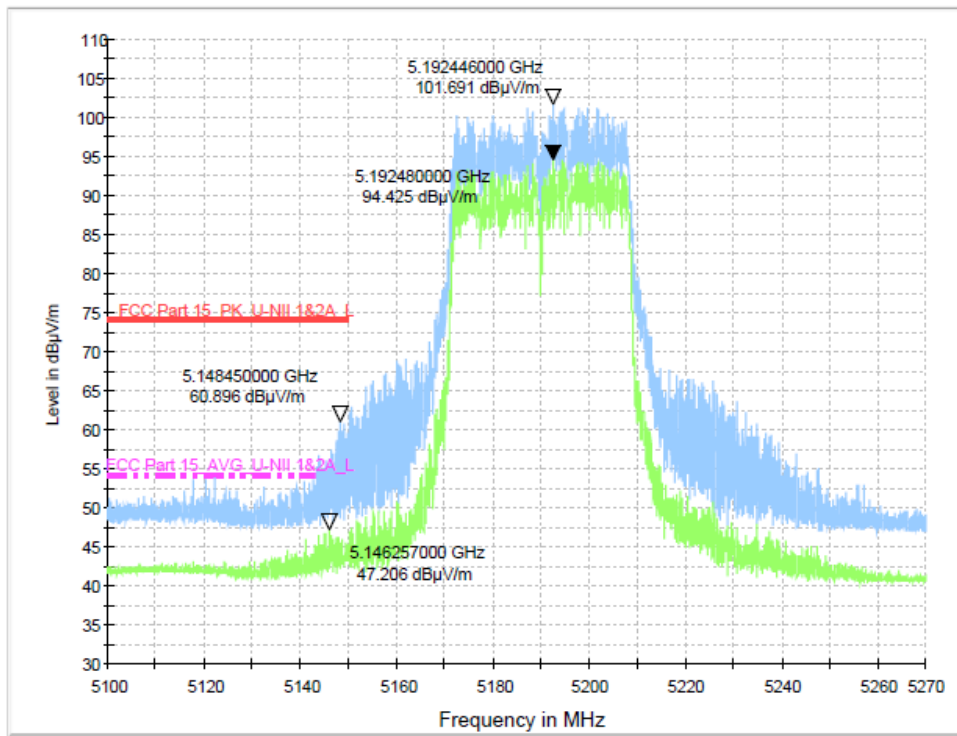
Mode: 802.11ax20

Frequency: 5180MHz



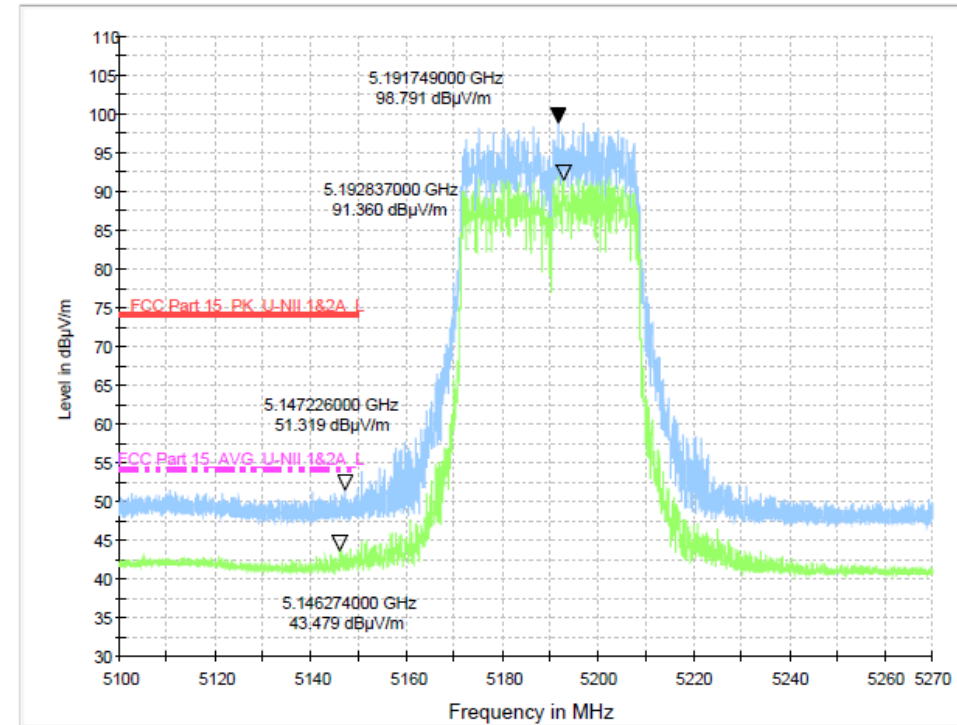
Mode: 802.11n40

Frequency: 5190MHz



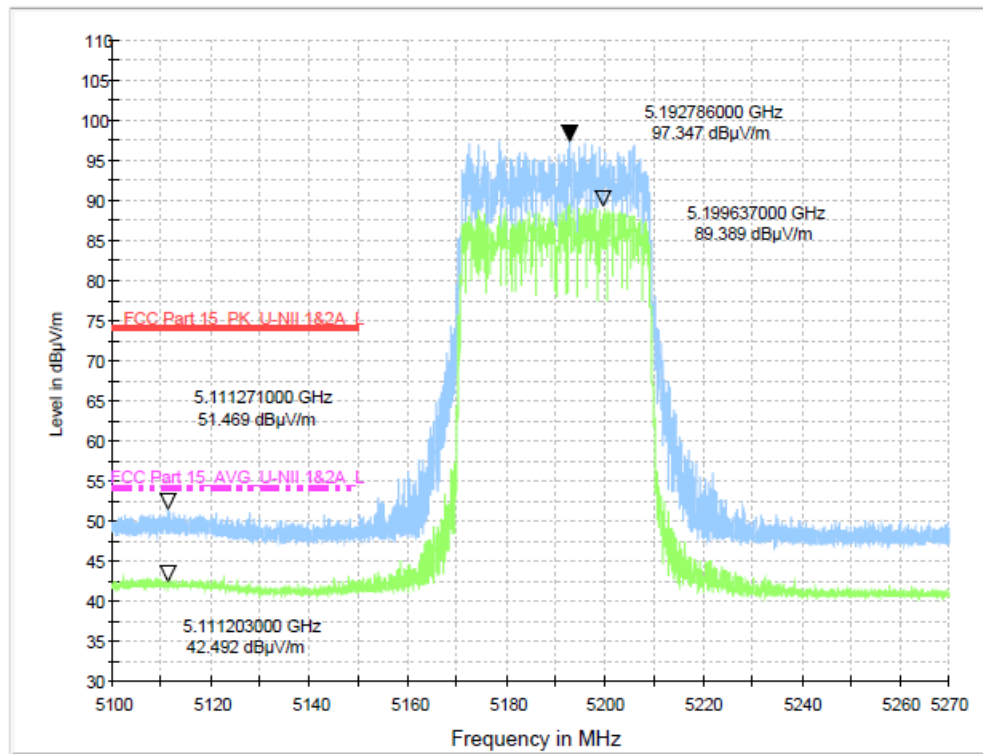
Mode: 802.11ac40

Frequency: 5190MHz



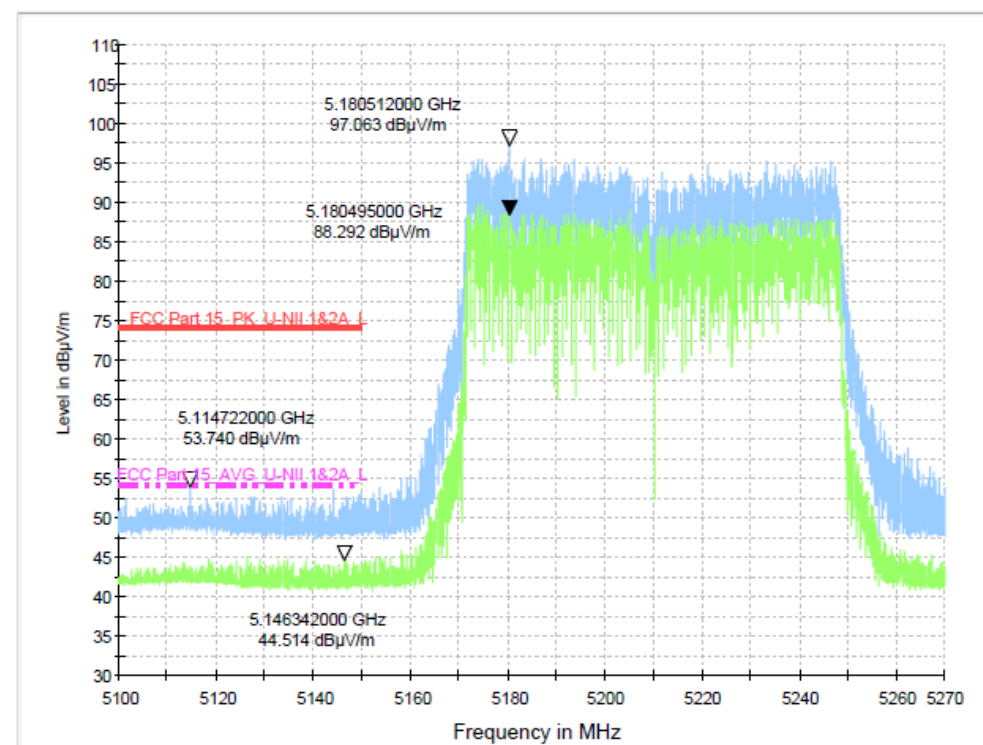
Mode: 802.11ax40

Frequency: 5190MHz



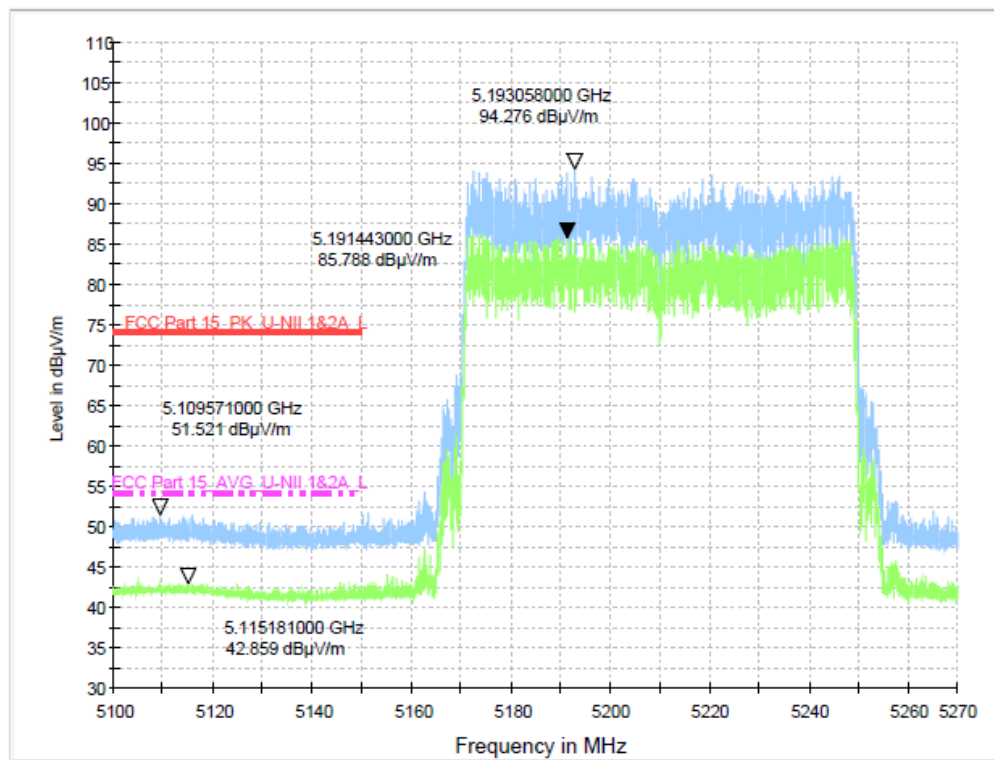
Mode: 802.11ac80

Frequency: 5210MHz

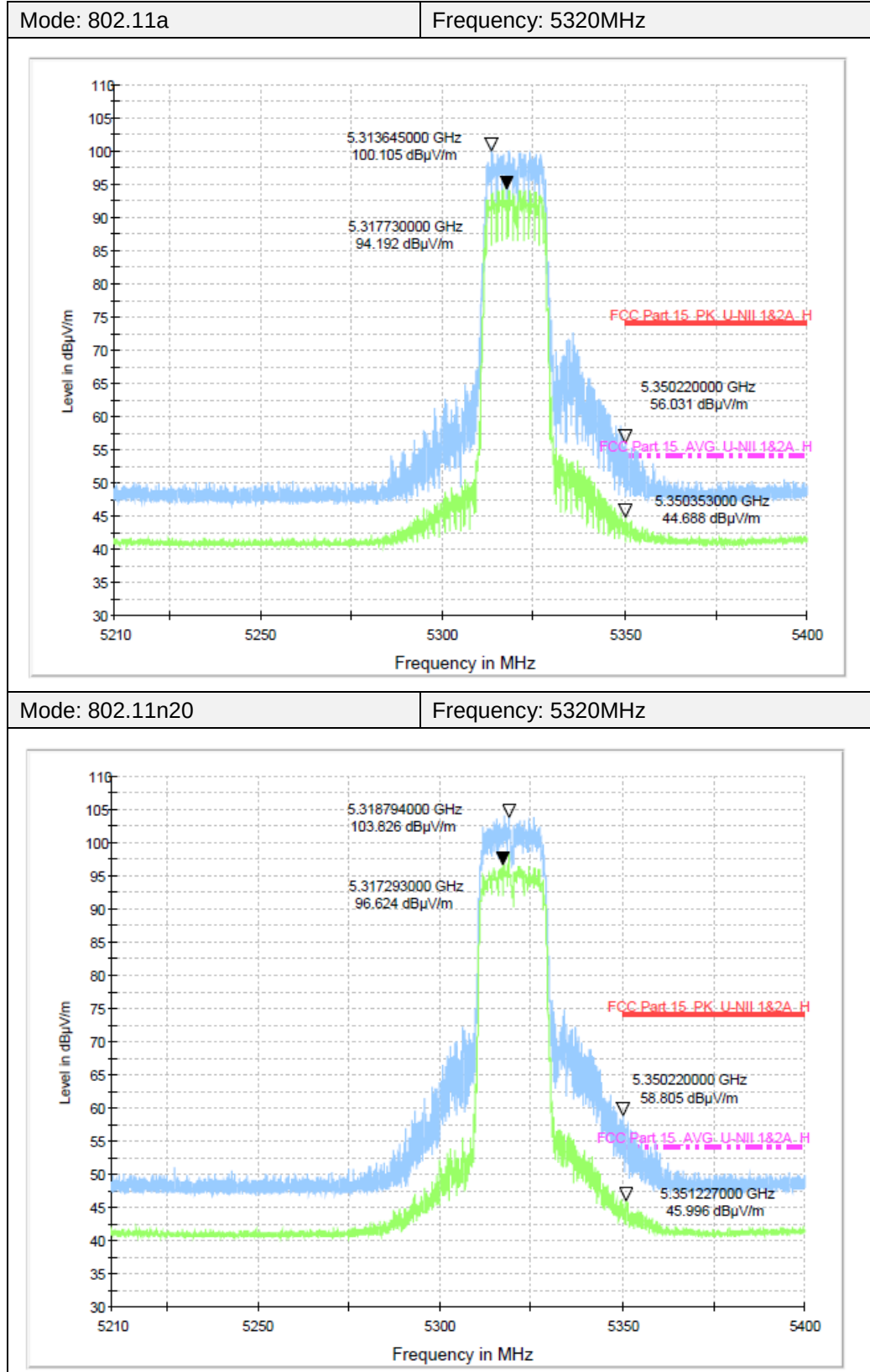


Mode: 802.11ax80

Frequency: 5210MHz

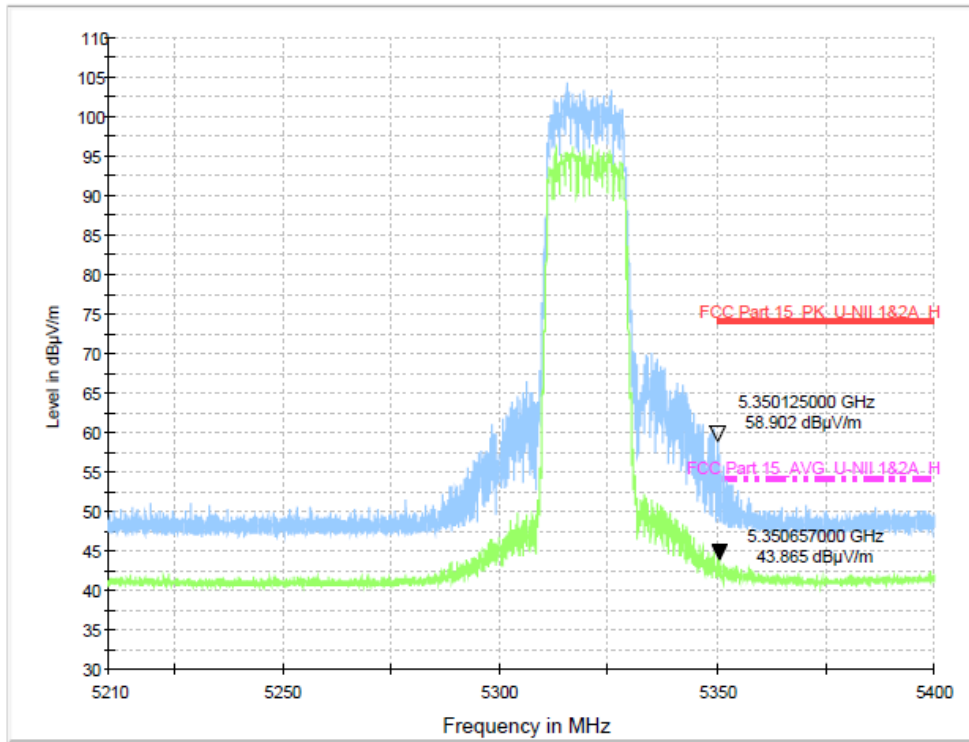


- Note: 1. Except for mode a, other modes test the MIMO status.
2. Mode a represents the worst data of antenna 1

Band2

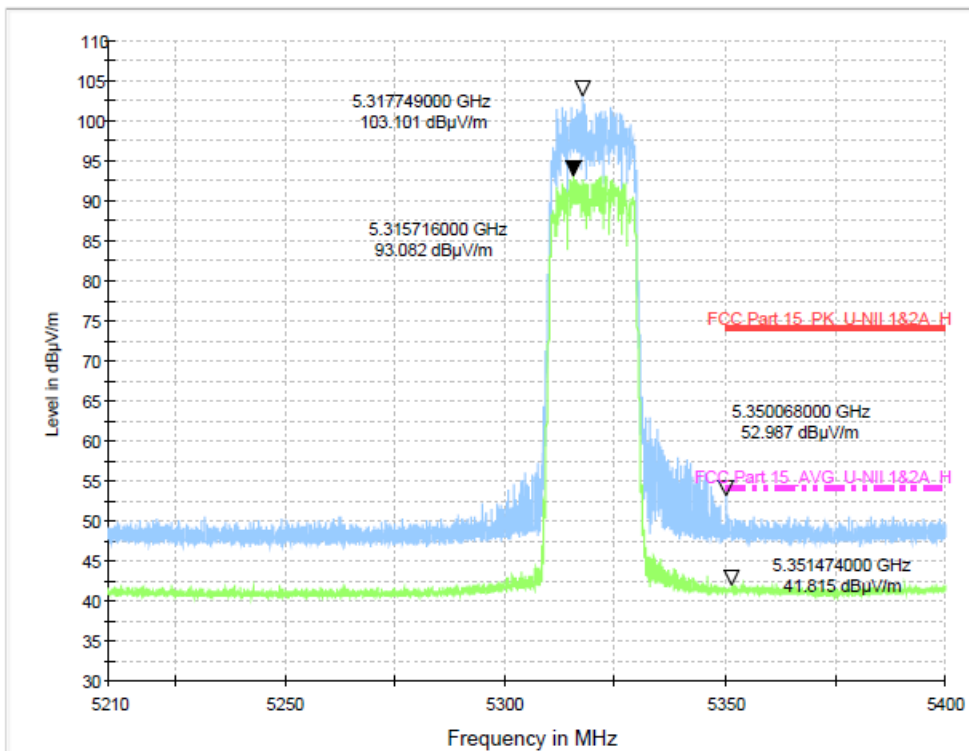
Mode: 802.11ac20

Frequency: 5320MHz



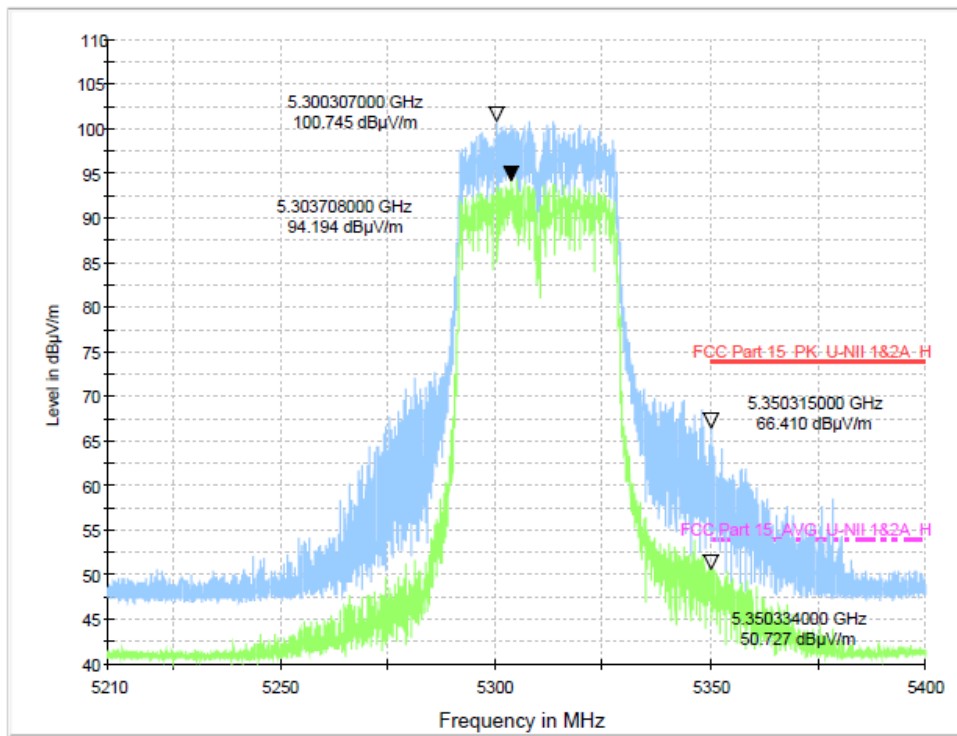
Mode: 802.11ax20

Frequency: 5320MHz



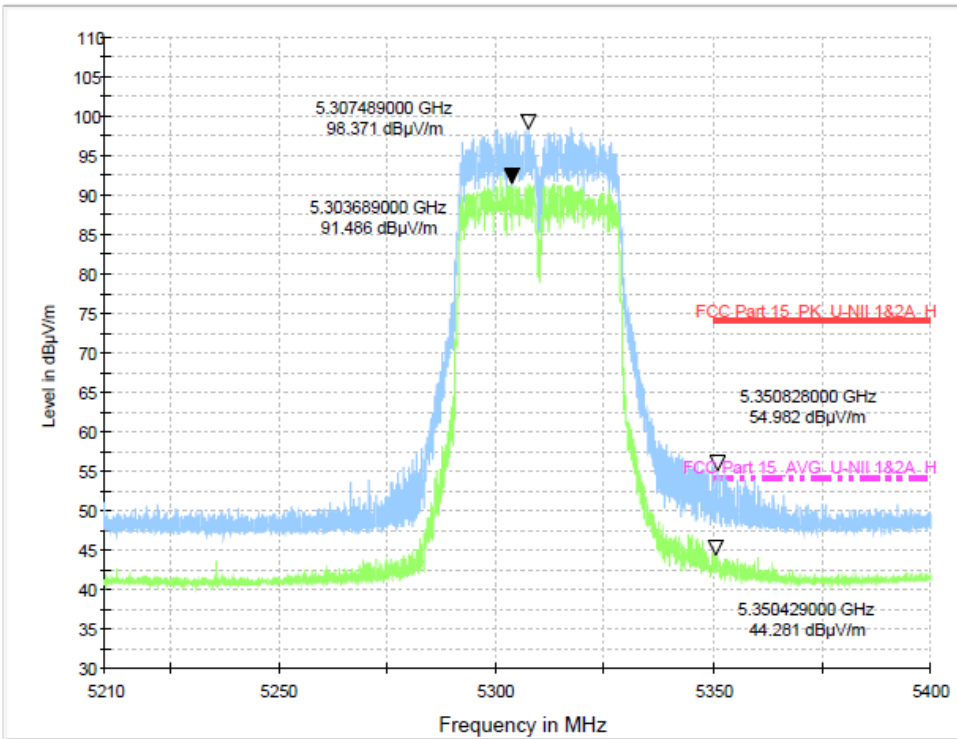
Mode: 802.11n40

Frequency: 5310MHz



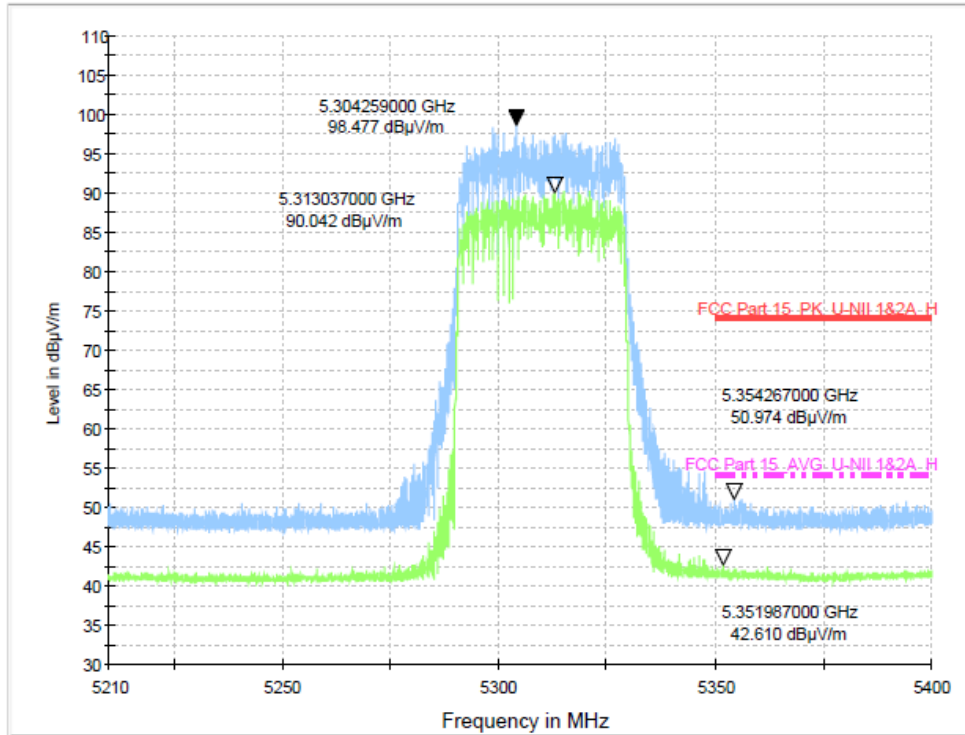
Mode: 802.11ac40

Frequency: 5310MHz



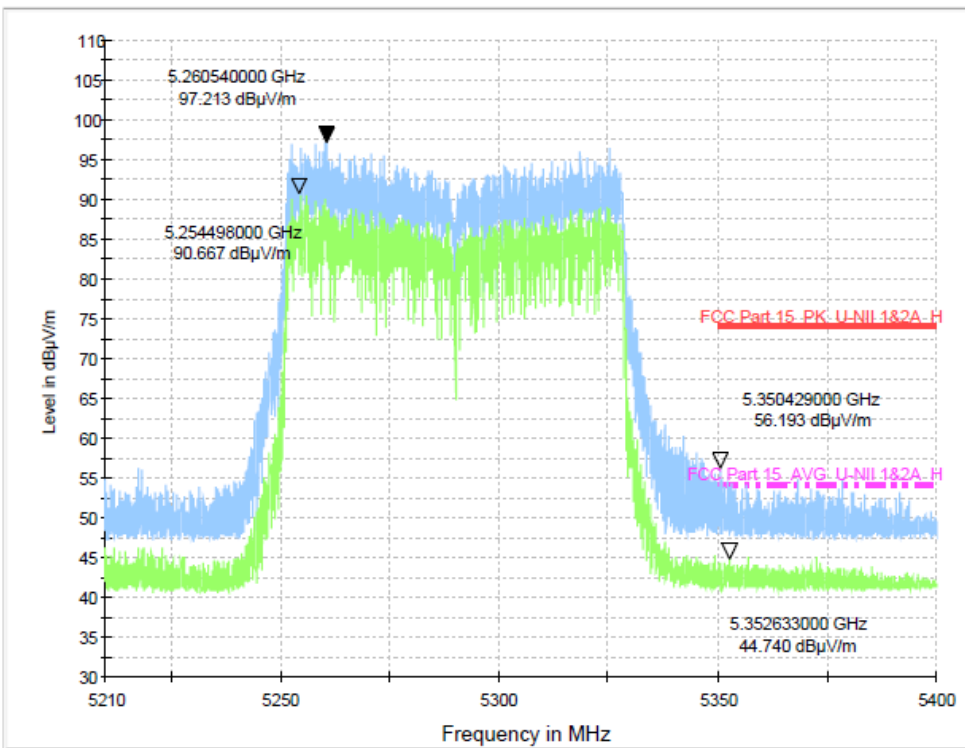
Mode: 802.11ax40

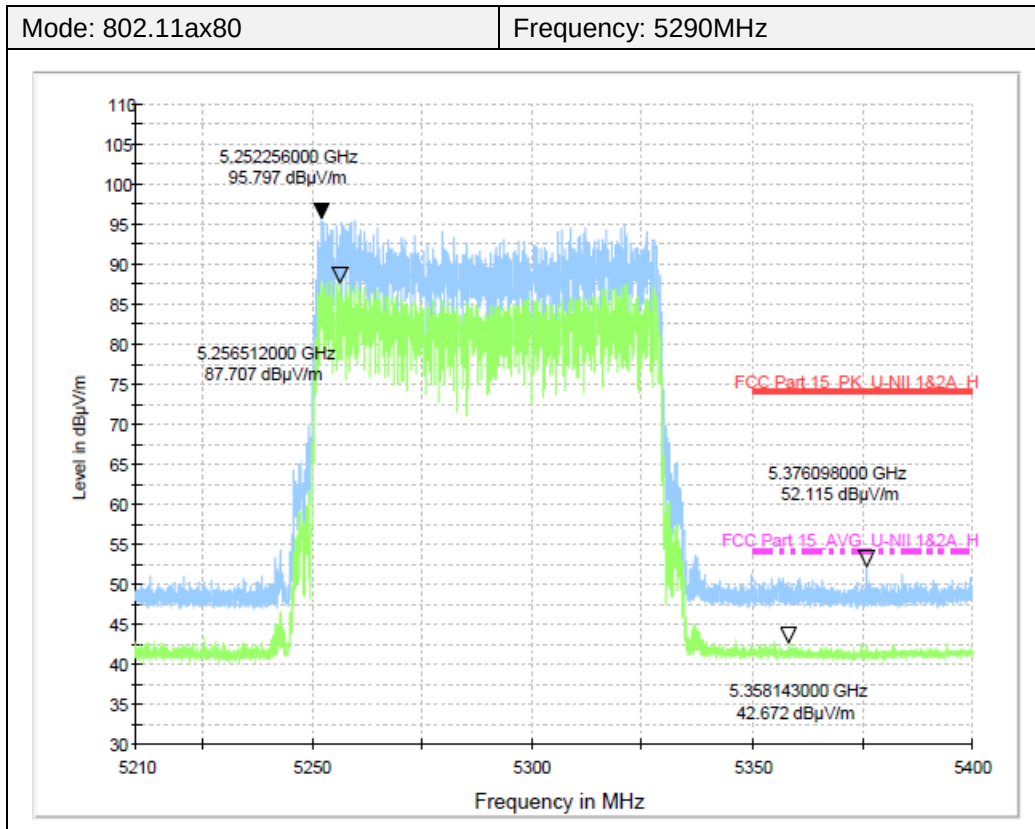
Frequency: 5310MHz



Mode: 802.11ac80

Frequency: 5290MHz





Note: 1. Except for mode a, other modes test the MIMO status.

2. Mode a represents the worst data of antenna 1

Band3