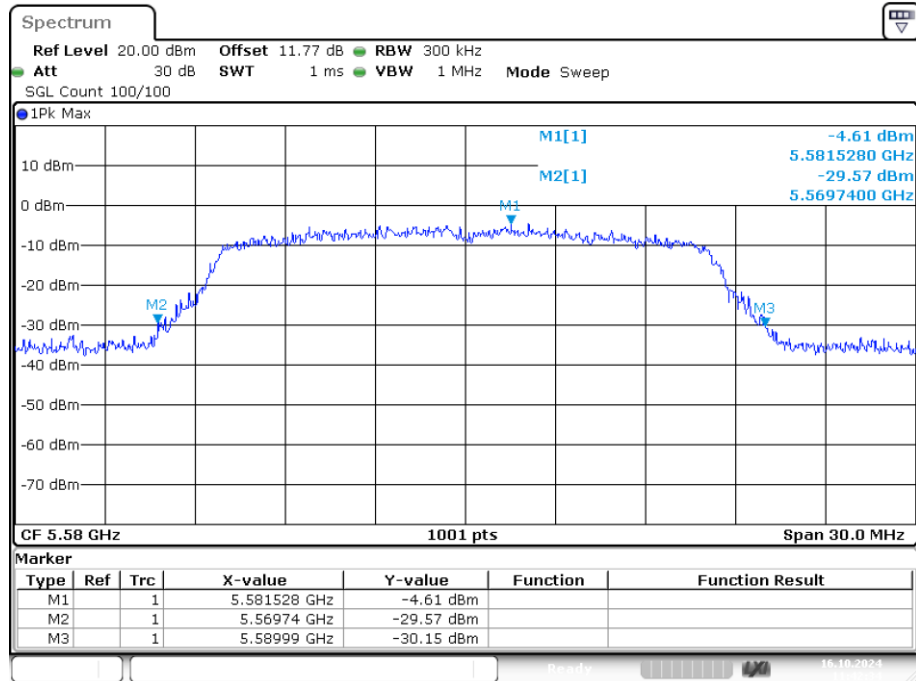
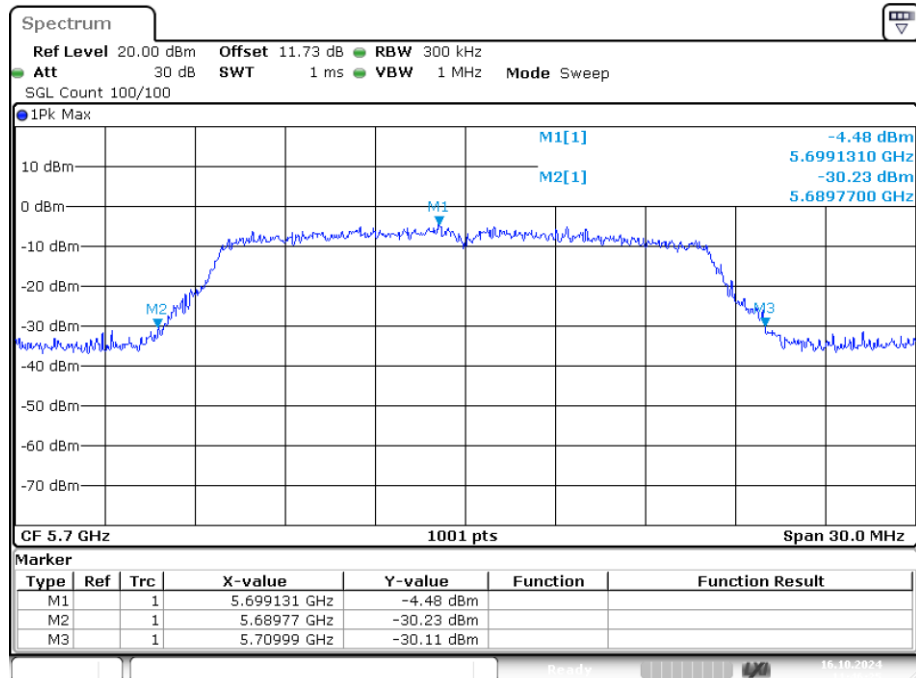


-26dB Bandwidth NVNT a 5580MHz Ant1

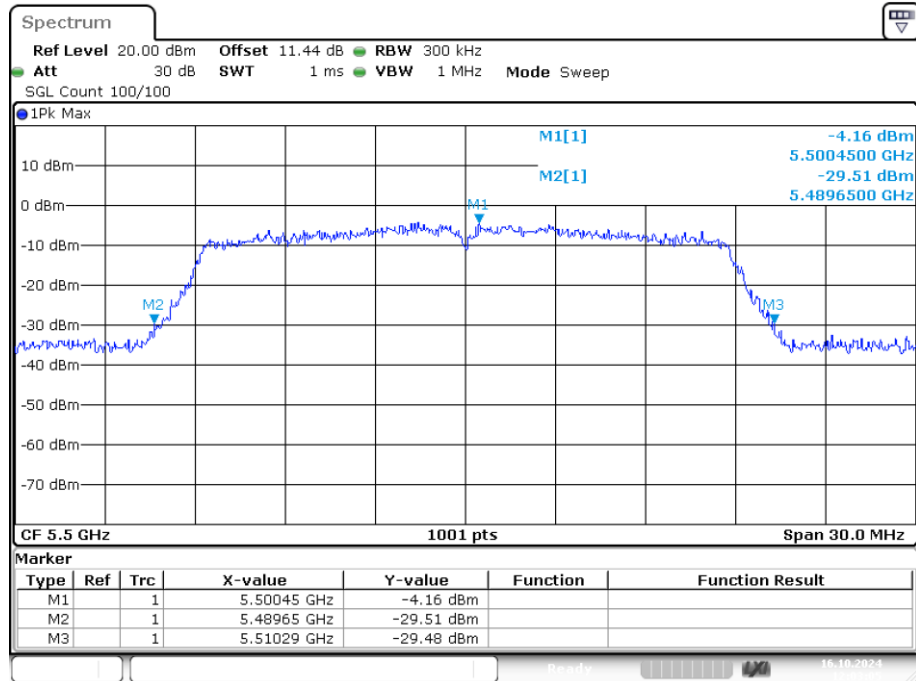


Date: 16.OCT.2024 11:42:34

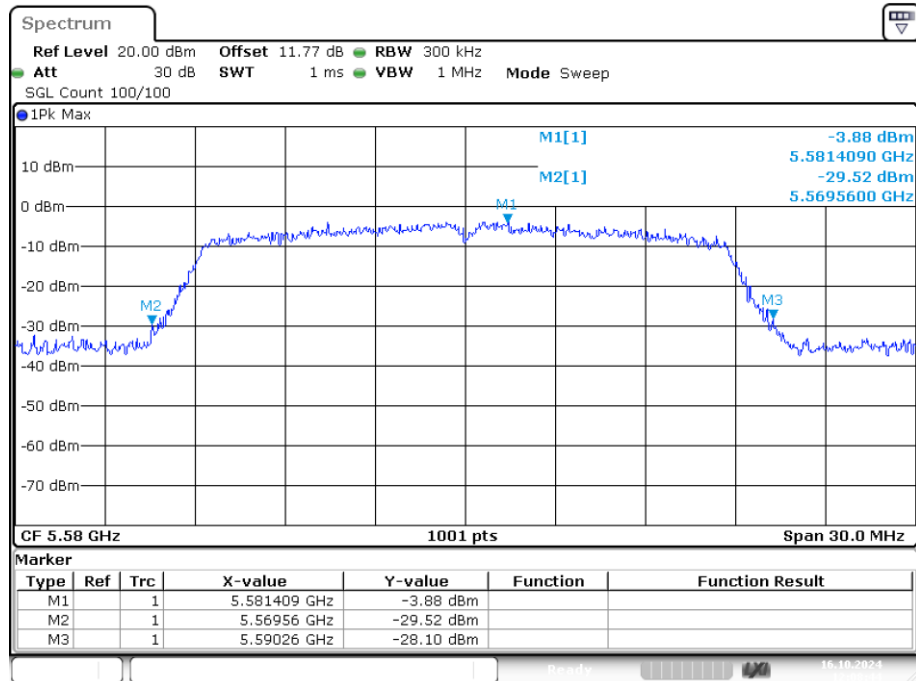
-26dB Bandwidth NVNT a 5700MHz Ant1



Date: 16.OCT.2024 11:46:25

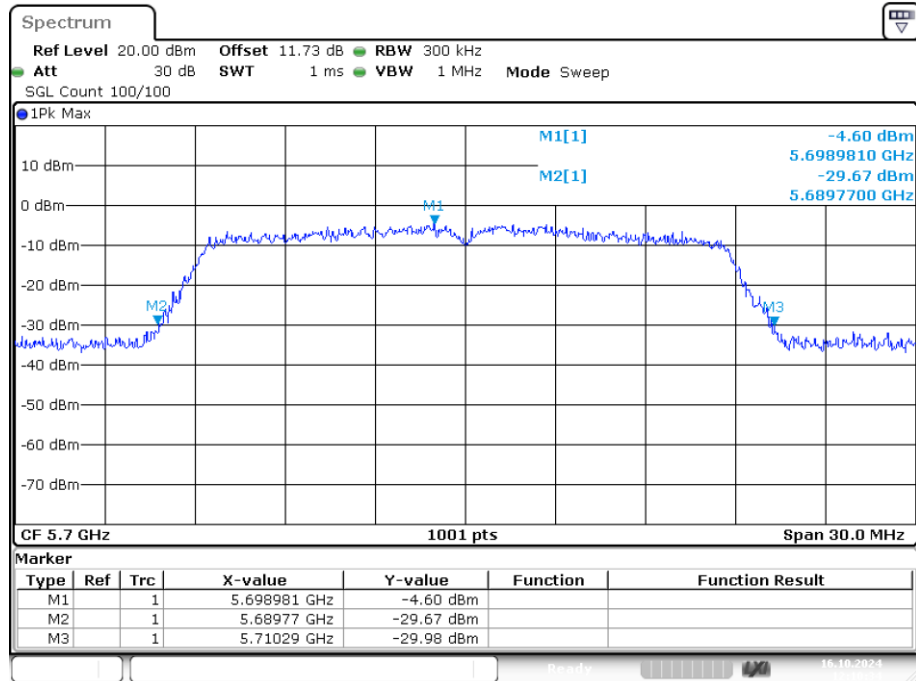
-26dB Bandwidth NVNT ac20 5500MHz Ant1

Date: 16.OCT.2024 12:03:04

-26dB Bandwidth NVNT ac20 5580MHz Ant1

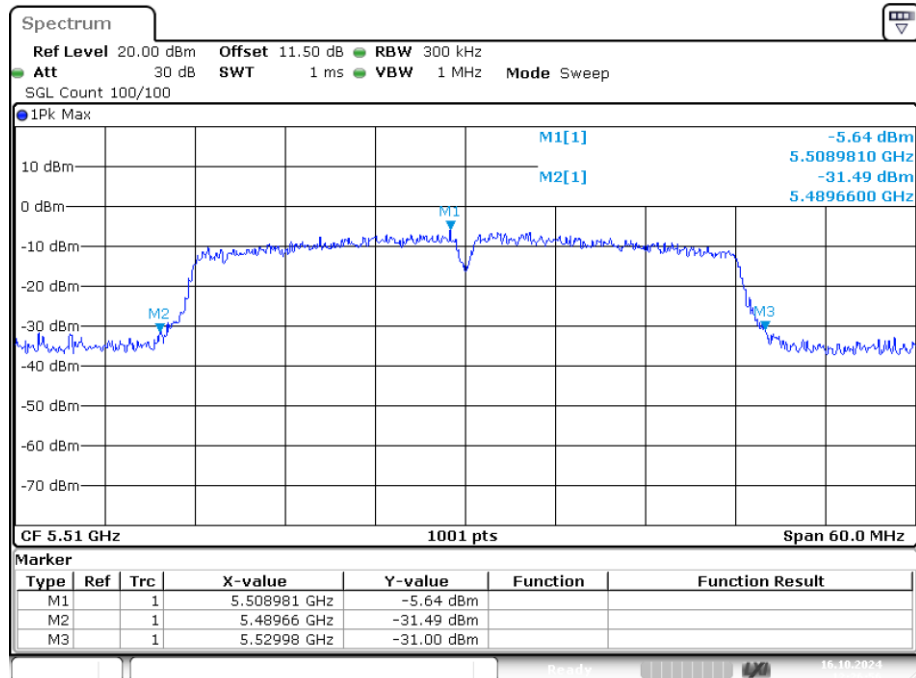
Date: 16.OCT.2024 12:08:43

-26dB Bandwidth NVNT ac20 5700MHz Ant1

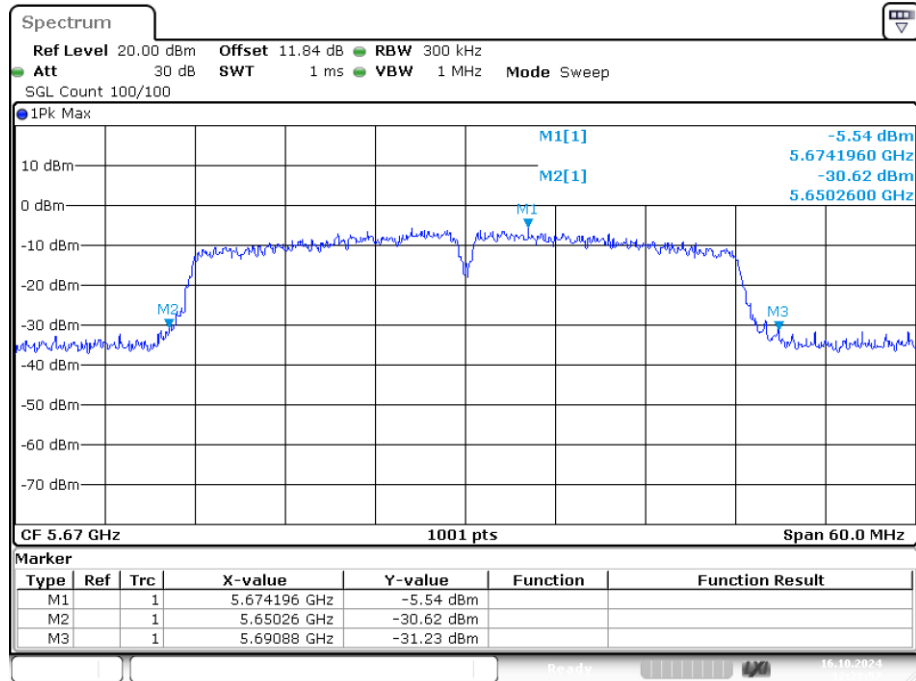


Date: 16.OCT.2024 12:10:33

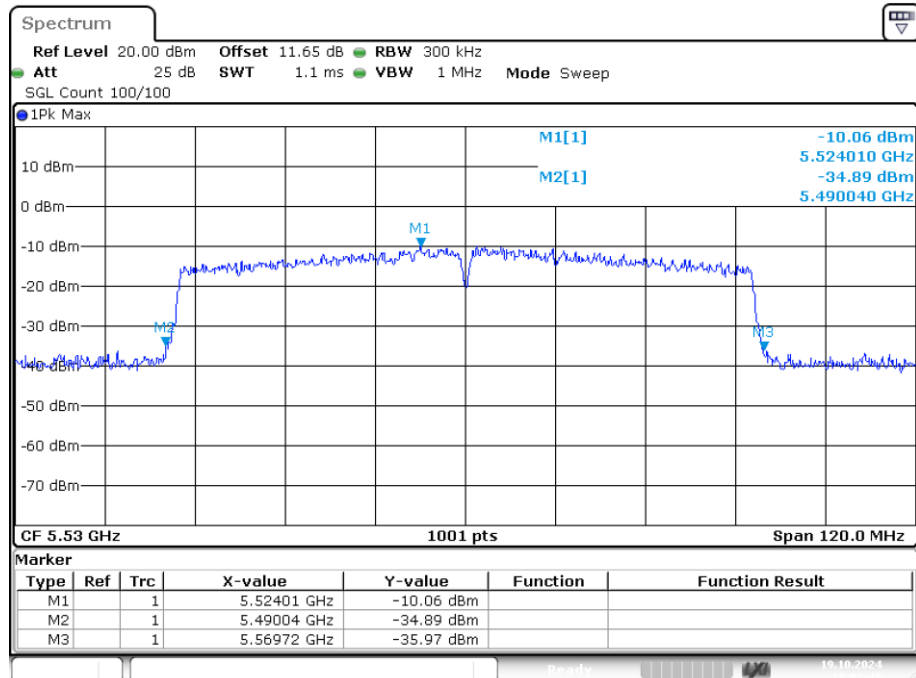
-26dB Bandwidth NVNT ac40 5510MHz Ant1



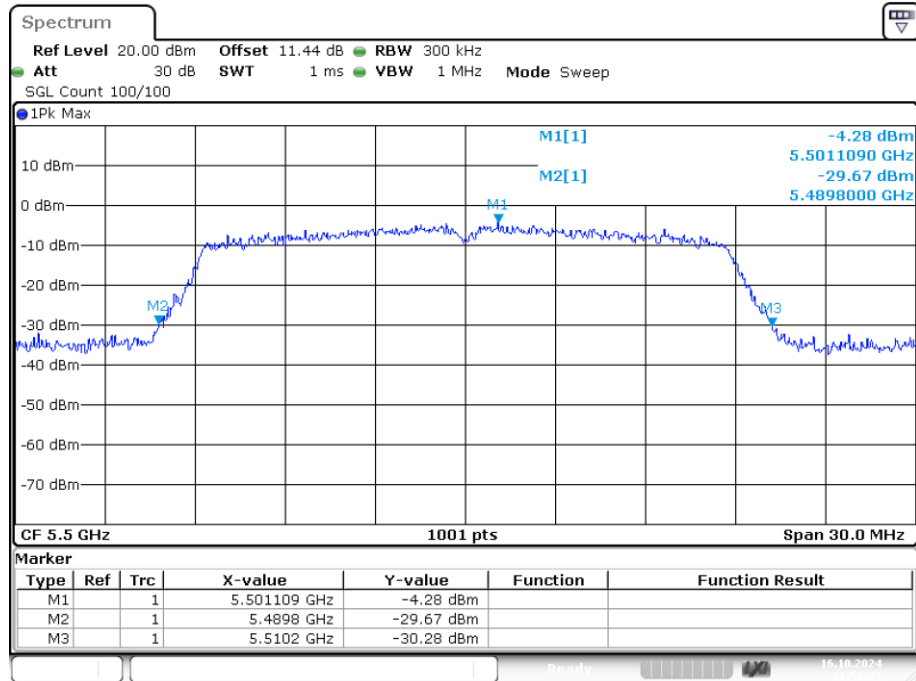
Date: 16.OCT.2024 12:26:56

-26dB Bandwidth NVNT ac40 5670MHz Ant1

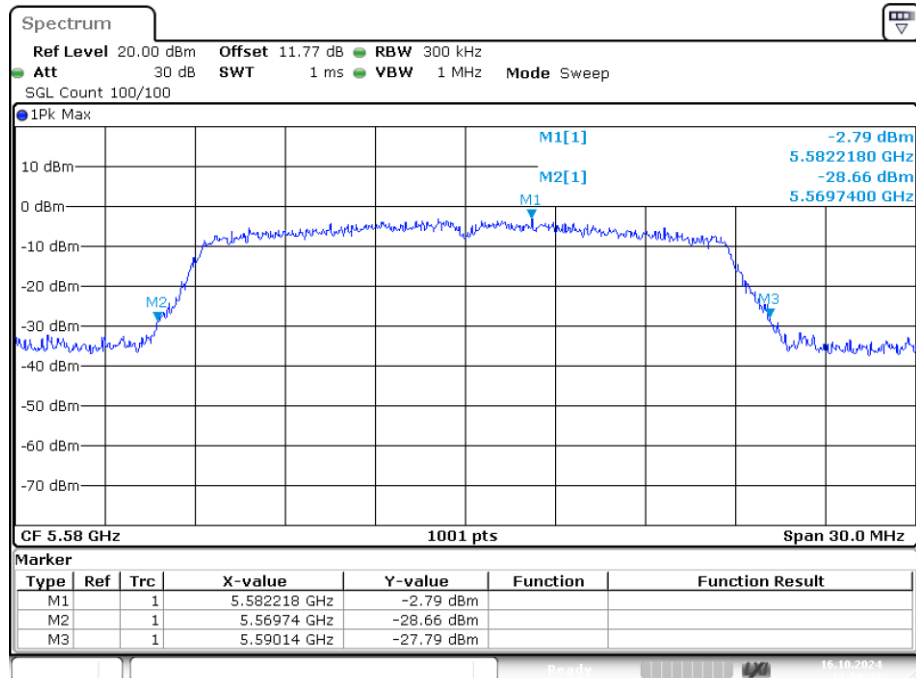
Date: 16.OCT.2024 12:28:56

-26dB Bandwidth NVNT ac80 5530MHz Ant1

Date: 19.OCT.2024 19:03:48

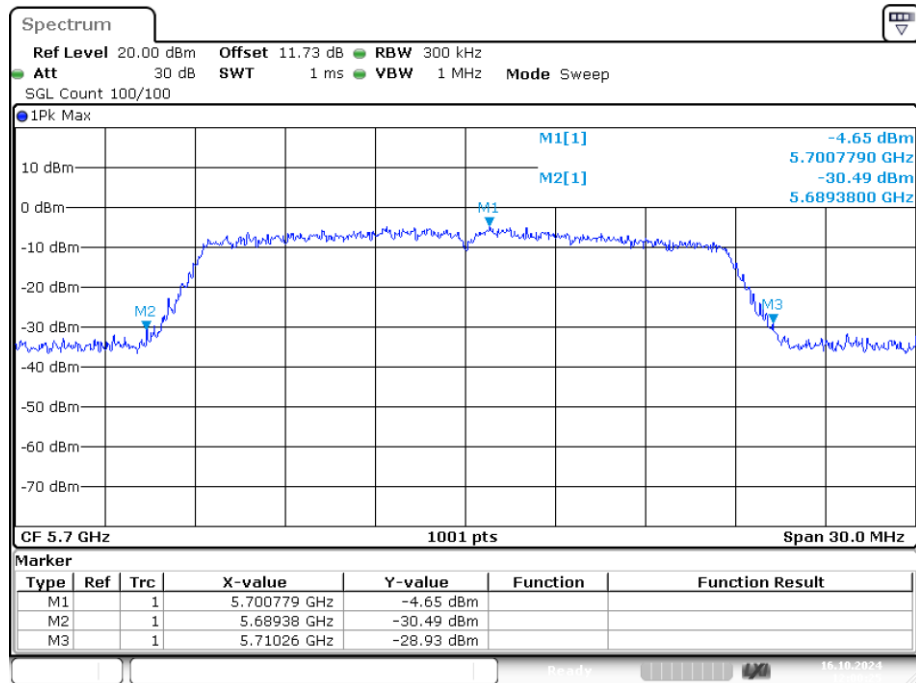
-26dB Bandwidth NVNT n20 5500MHz Ant1

Date: 16.OCT.2024 11:56:30

-26dB Bandwidth NVNT n20 5580MHz Ant1

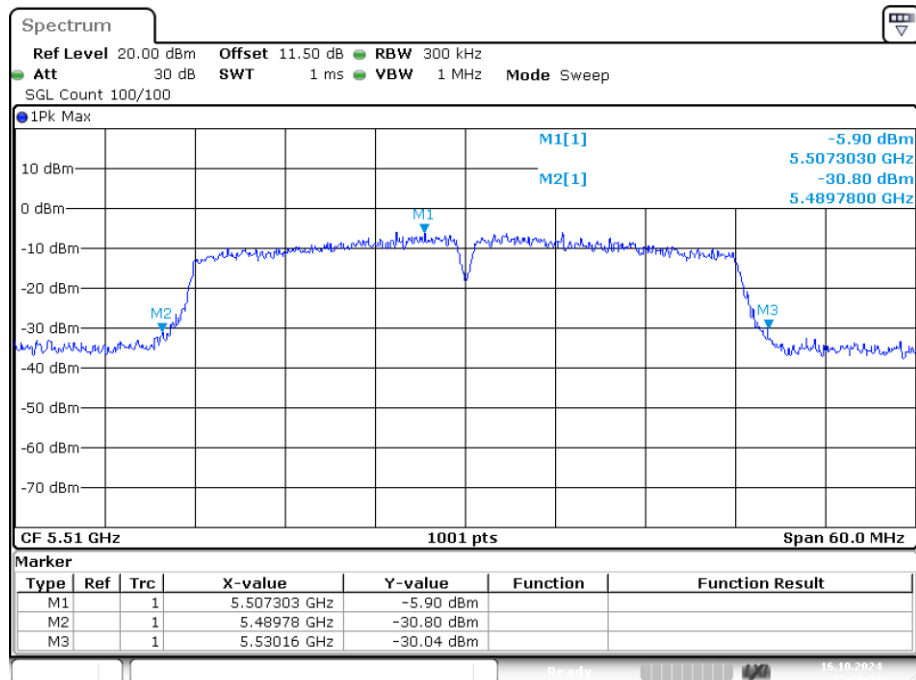
Date: 16.OCT.2024 11:58:23

-26dB Bandwidth NVNT n20 5700MHz Ant1



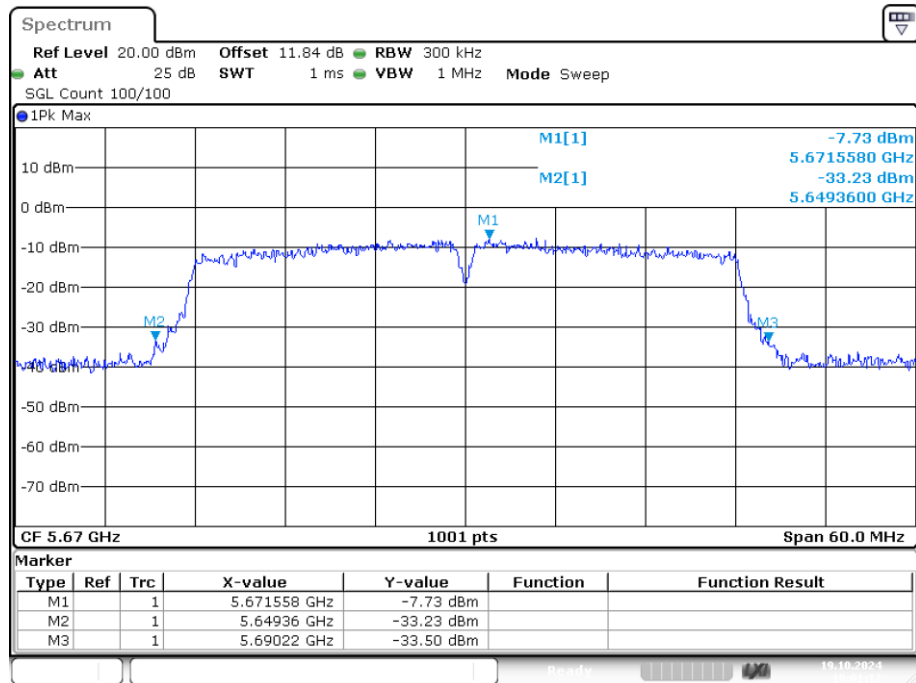
Date: 16.OCT.2024 12:00:25

-26dB Bandwidth NVNT n40 5510MHz Ant1



Date: 16.OCT.2024 12:16:35

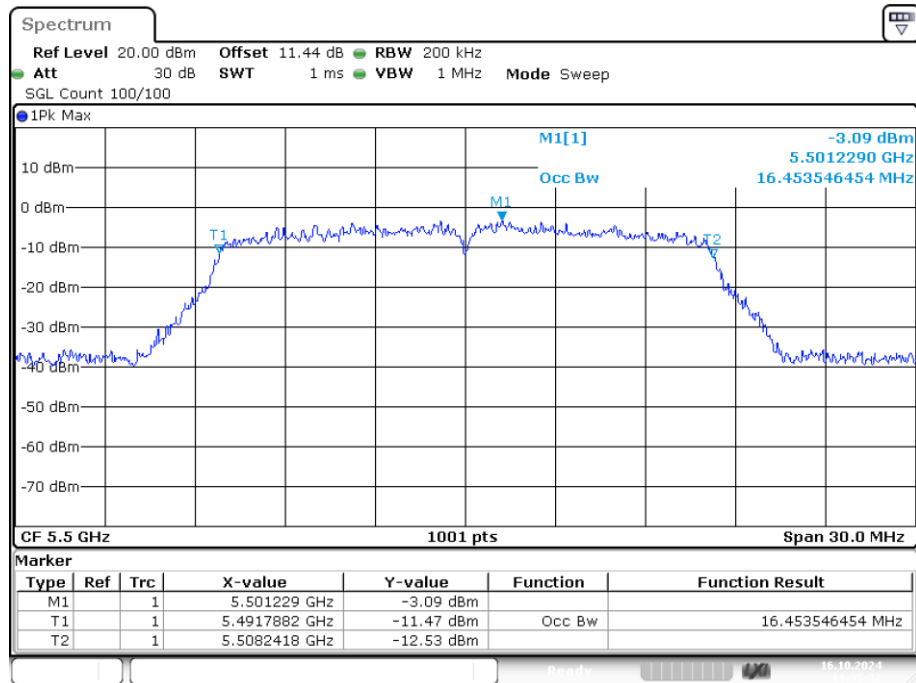
-26dB Bandwidth NVNT n40 5670MHz Ant1



Occupied Channel Bandwidth

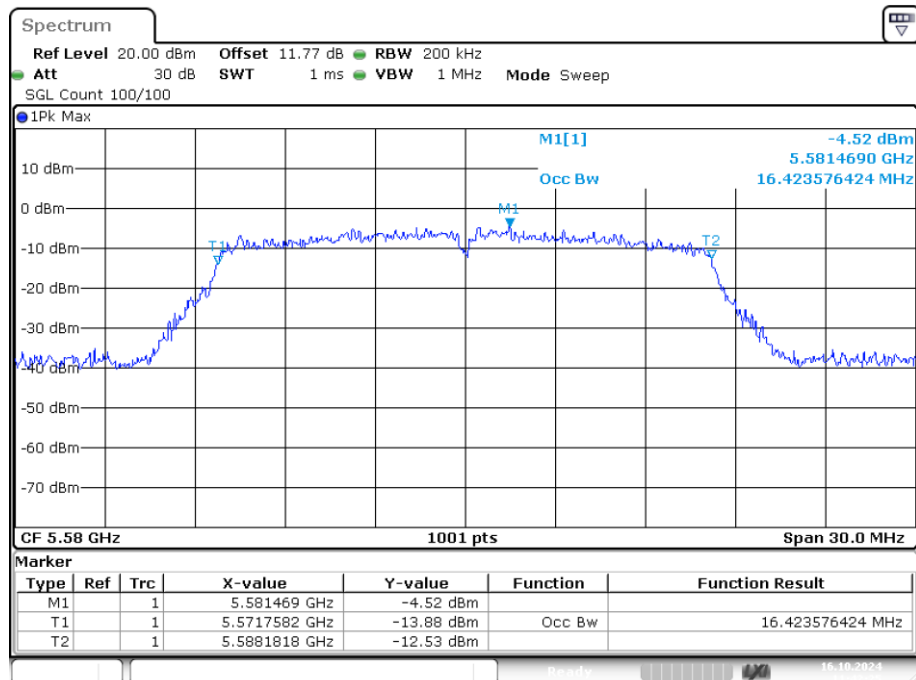
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.454
NVNT	a	5580	Ant1	16.424
NVNT	a	5700	Ant1	16.484
NVNT	ac20	5500	Ant1	17.592
NVNT	ac20	5580	Ant1	17.592
NVNT	ac20	5700	Ant1	17.622
NVNT	ac40	5510	Ant1	36.024
NVNT	ac40	5670	Ant1	36.084
NVNT	ac80	5530	Ant1	75.524
NVNT	n20	5500	Ant1	17.652
NVNT	n20	5580	Ant1	17.532
NVNT	n20	5700	Ant1	17.622
NVNT	n40	5510	Ant1	36.084
NVNT	n40	5670	Ant1	36.324

OBW NVNT a 5500MHz Ant1



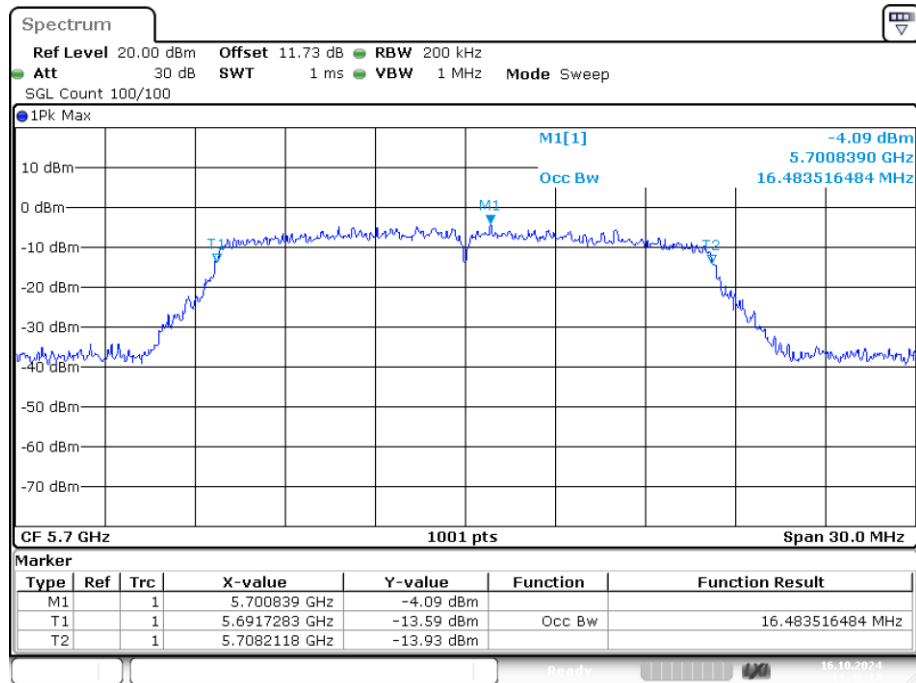
Date: 16.OCT.2024 11:35:33

OBW NVNT a 5580MHz Ant1



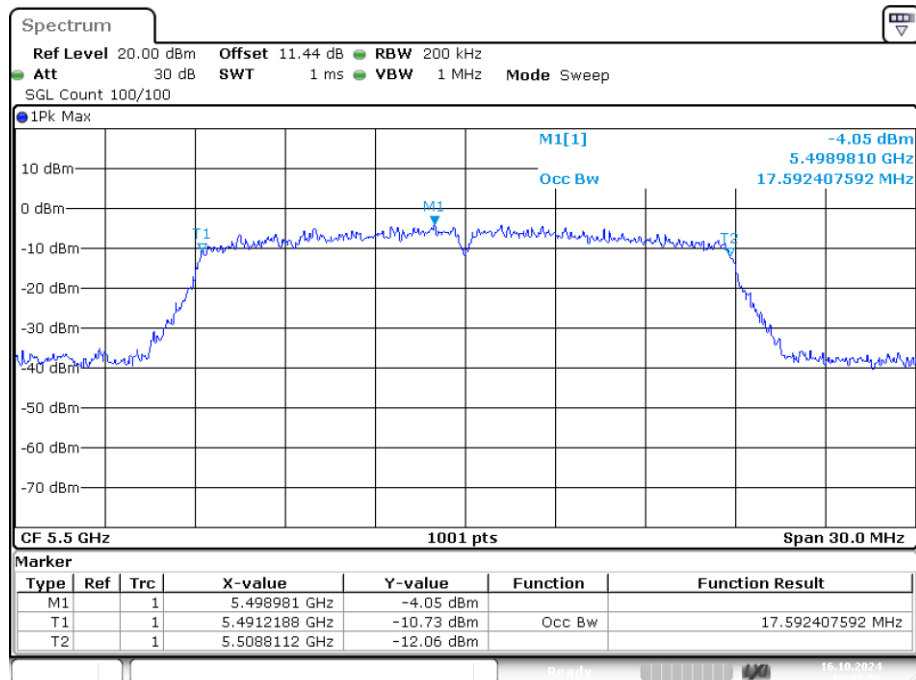
Date: 16.OCT.2024 11:42:25

OBW NVNT a 5700MHz Ant1



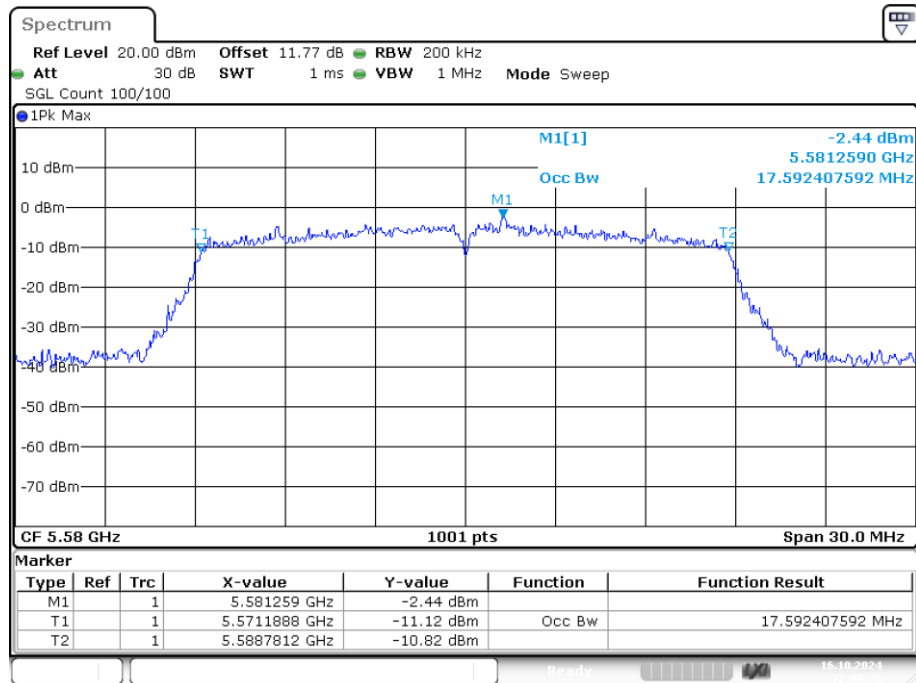
Date: 16.OCT.2024 11:46:17

OBW NVNT ac20 5500MHz Ant1



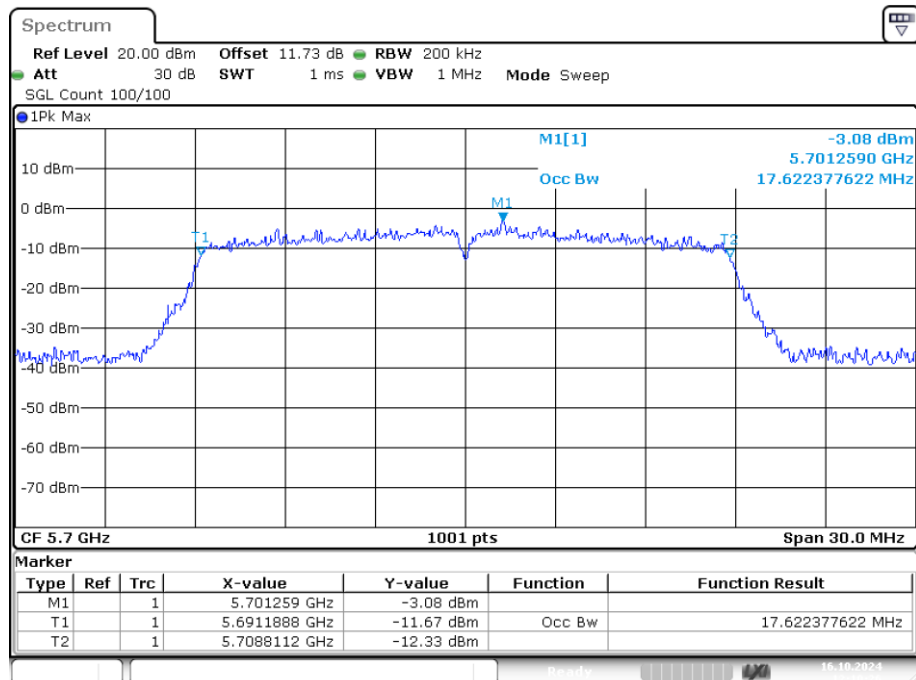
Date: 16.OCT.2024 12:02:56

OBW NVNT ac20 5580MHz Ant1



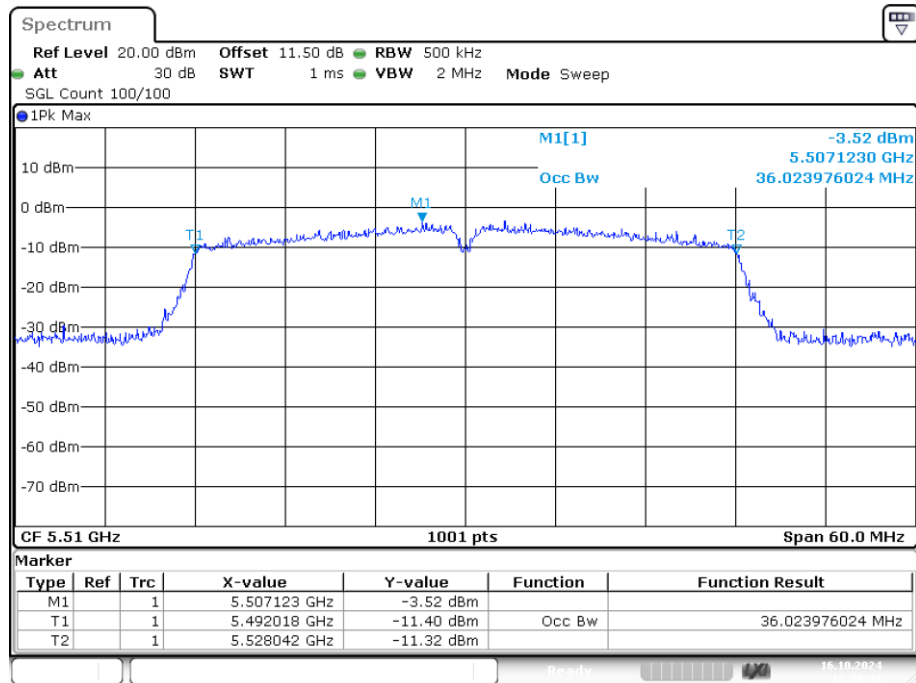
Date: 16.OCT.2024 12:08:35

OBW NVNT ac20 5700MHz Ant1



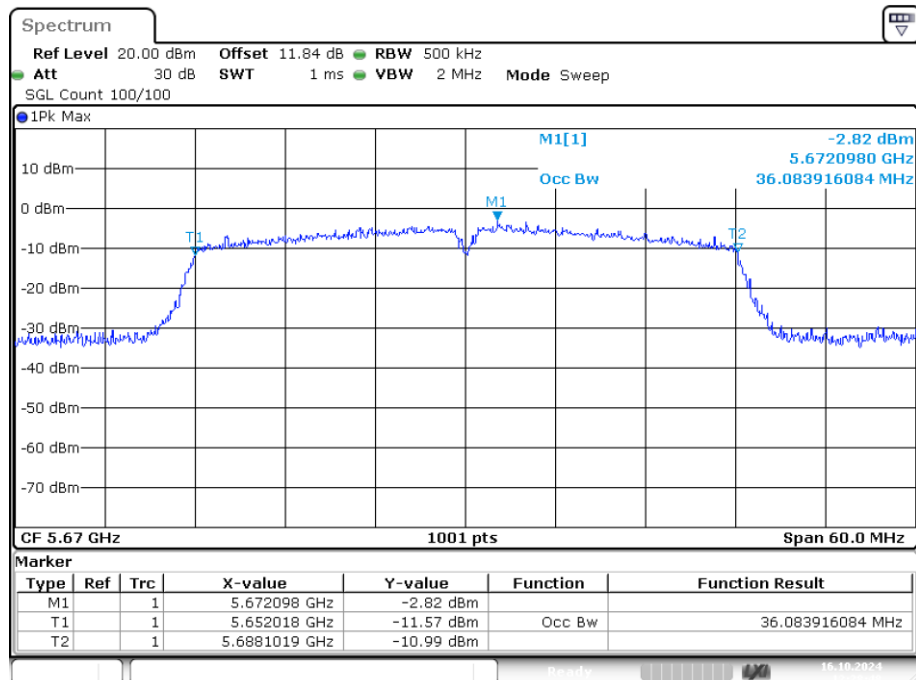
Date: 16.OCT.2024 12:10:26

OBW NVNT ac40 5510MHz Ant1



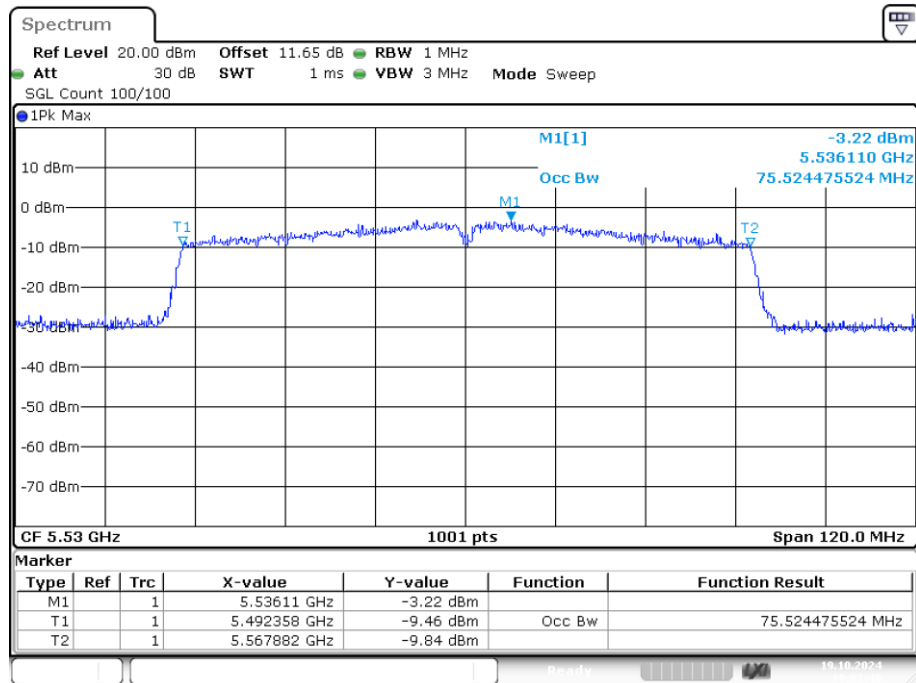
Date: 16.OCT.2024 12:26:48

OBW NVNT ac40 5670MHz Ant1



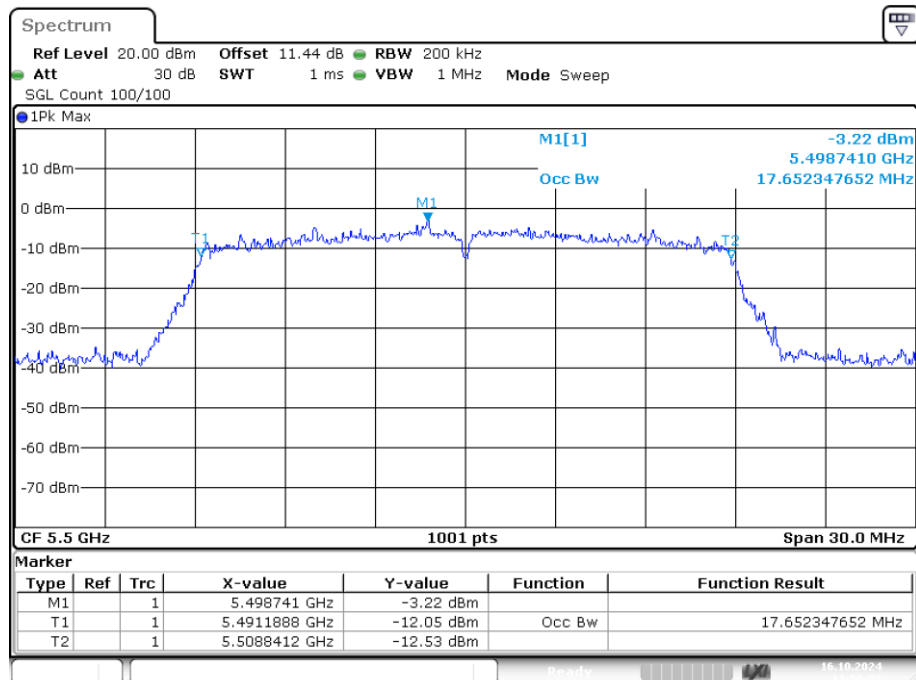
Date: 16.OCT.2024 12:28:48

OBW NVNT ac80 5530MHz Ant1



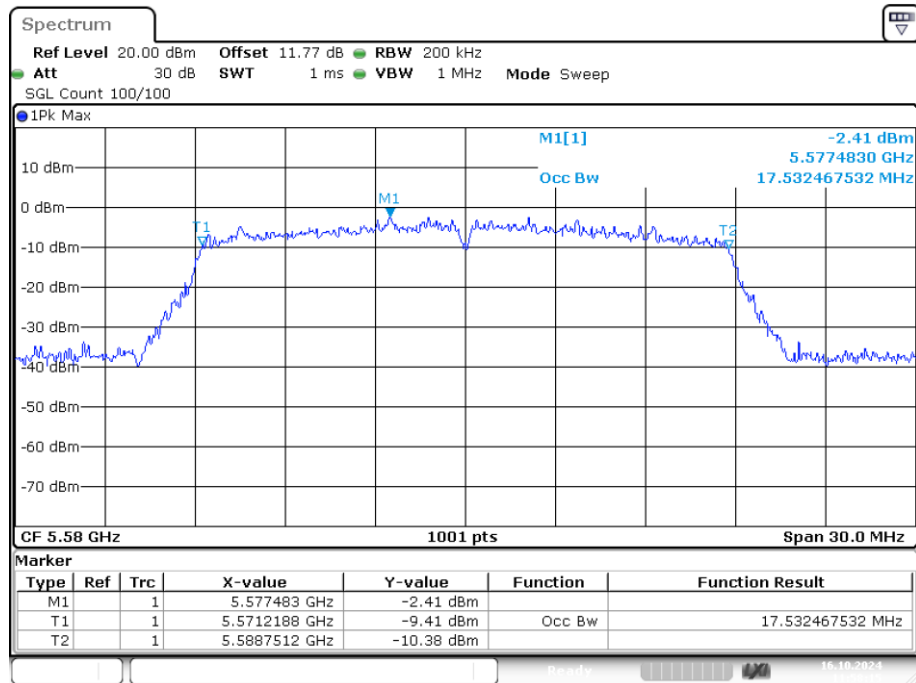
Date: 19.OCT.2024 19:03:40

OBW NVNT n20 5500MHz Ant1



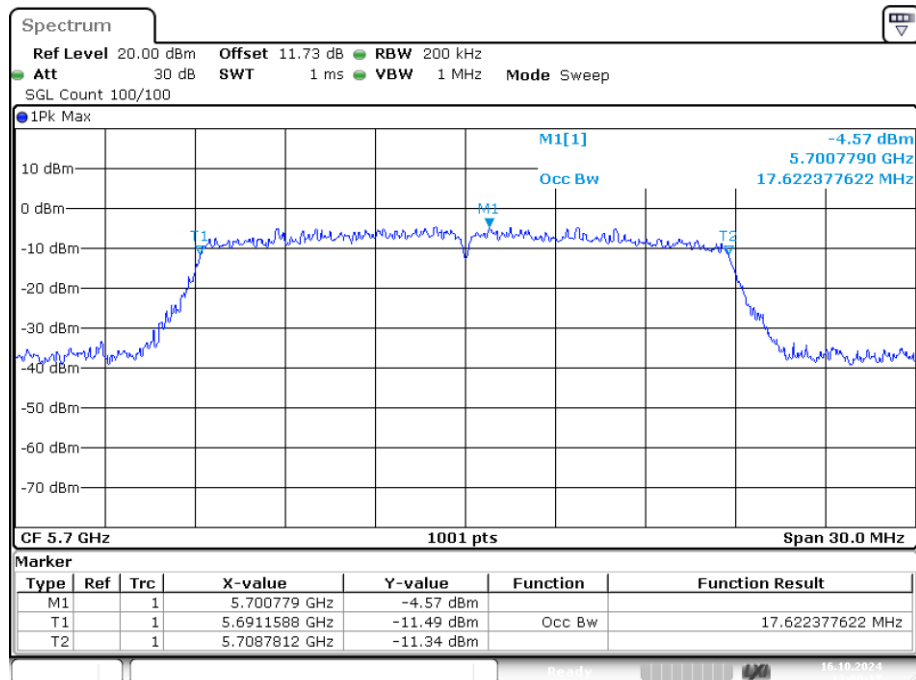
Date: 16.OCT.2024 11:56:22

OBW NVNT n20 5580MHz Ant1



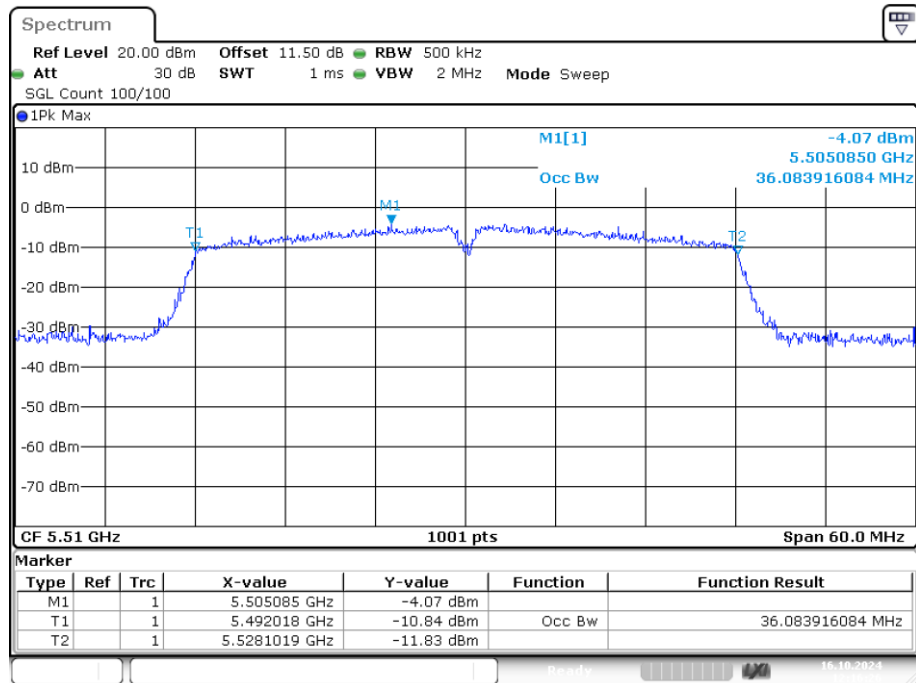
Date: 16.OCT.2024 11:58:15

OBW NVNT n20 5700MHz Ant1



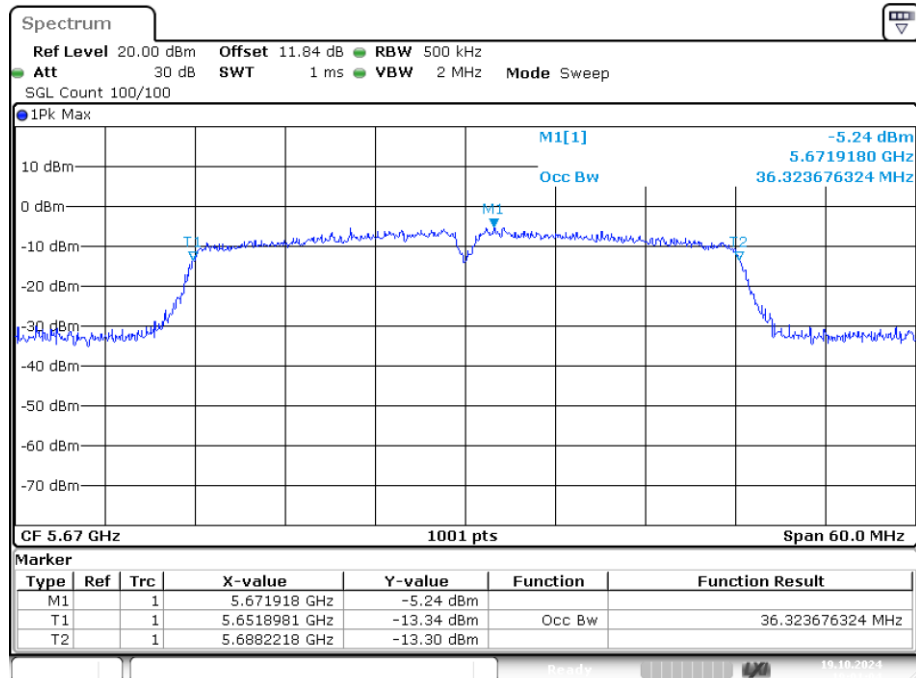
Date: 16.OCT.2024 12:00:17

OBW NVNT n40 5510MHz Ant1



Date: 16.OCT.2024 12:16:27

OBW NVNT n40 5670MHz Ant1

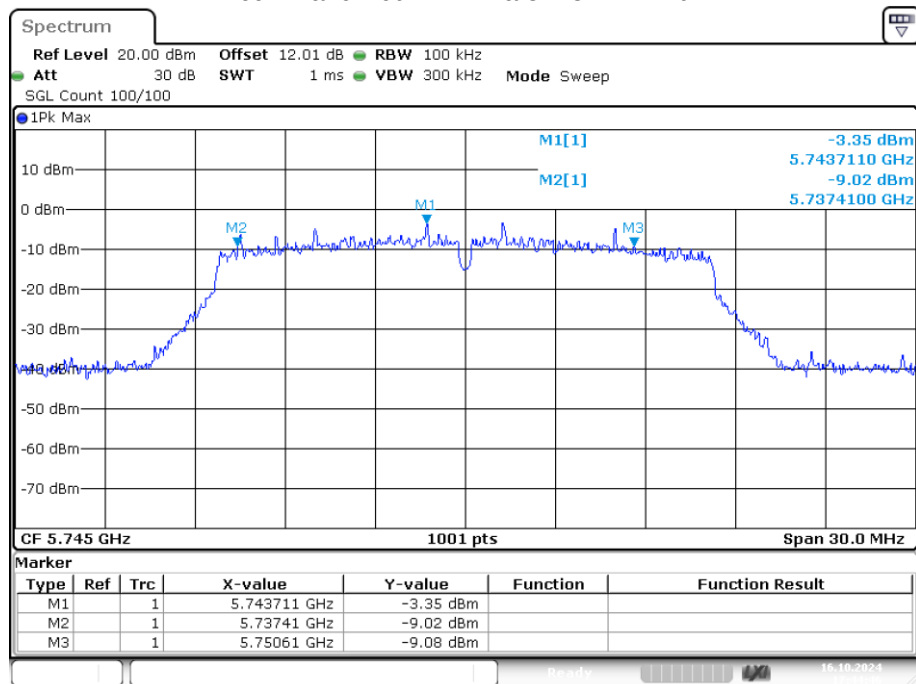


Date: 19.OCT.2024 19:01:04

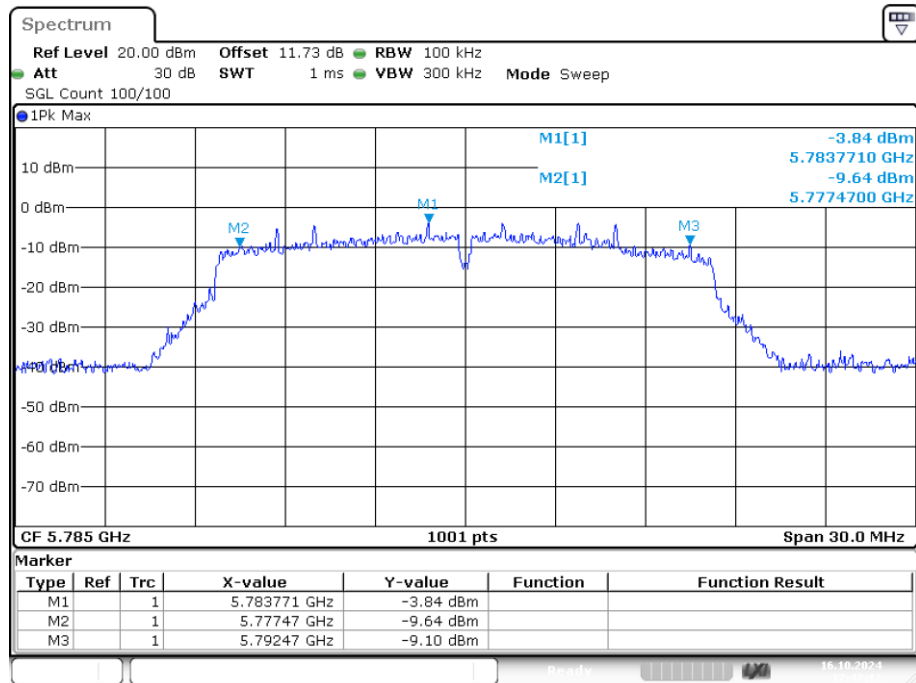
**Band 4 (5725-5850 MHz):
-6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	13.2	0.5	Pass
NVNT	a	5785	Ant1	15	0.5	Pass
NVNT	a	5825	Ant1	15.15	0.5	Pass
NVNT	ac20	5745	Ant1	13.89	0.5	Pass
NVNT	ac20	5785	Ant1	12.63	0.5	Pass
NVNT	ac20	5825	Ant1	15.06	0.5	Pass
NVNT	ac40	5755	Ant1	33.84	0.5	Pass
NVNT	ac40	5795	Ant1	33.84	0.5	Pass
NVNT	ac80	5775	Ant1	75	0.5	Pass
NVNT	n20	5745	Ant1	14.88	0.5	Pass
NVNT	n20	5785	Ant1	15	0.5	Pass
NVNT	n20	5825	Ant1	14.7	0.5	Pass
NVNT	n40	5755	Ant1	35.04	0.5	Pass
NVNT	n40	5795	Ant1	35.16	0.5	Pass

-6dB Bandwidth NVNT a 5745MHz Ant1

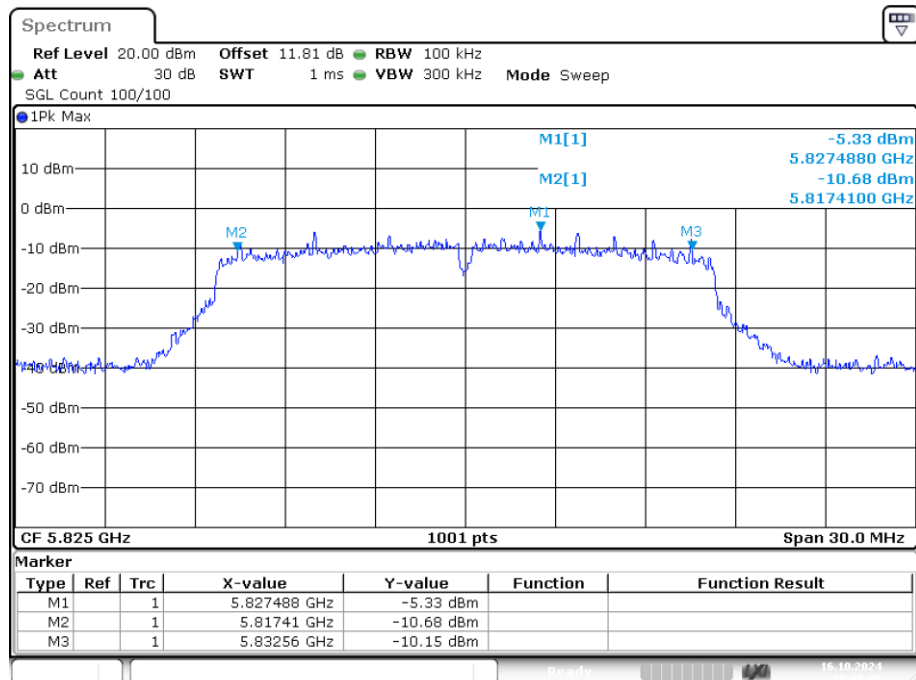


-6dB Bandwidth NVNT a 5785MHz Ant1



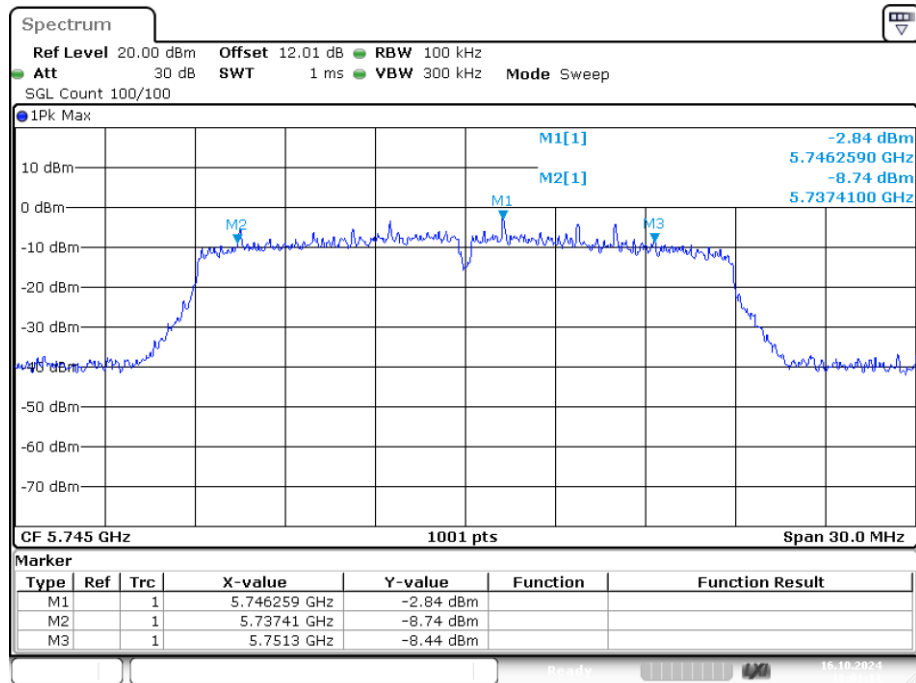
Date: 16.OCT.2024 17:47:12

-6dB Bandwidth NVNT a 5825MHz Ant1



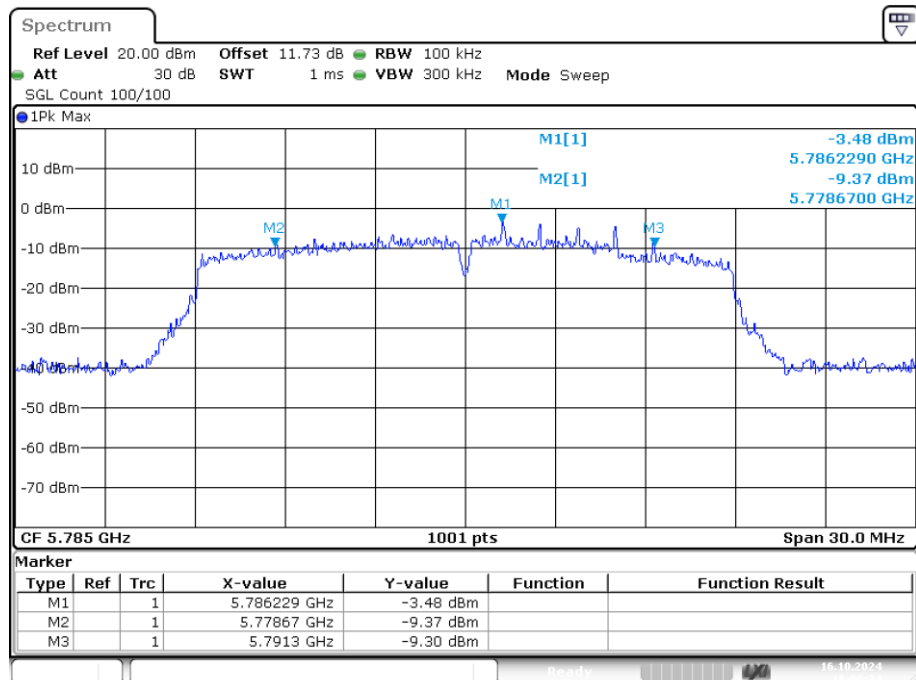
Date: 16.OCT.2024 17:49:00

-6dB Bandwidth NVNT ac20 5745MHz Ant1



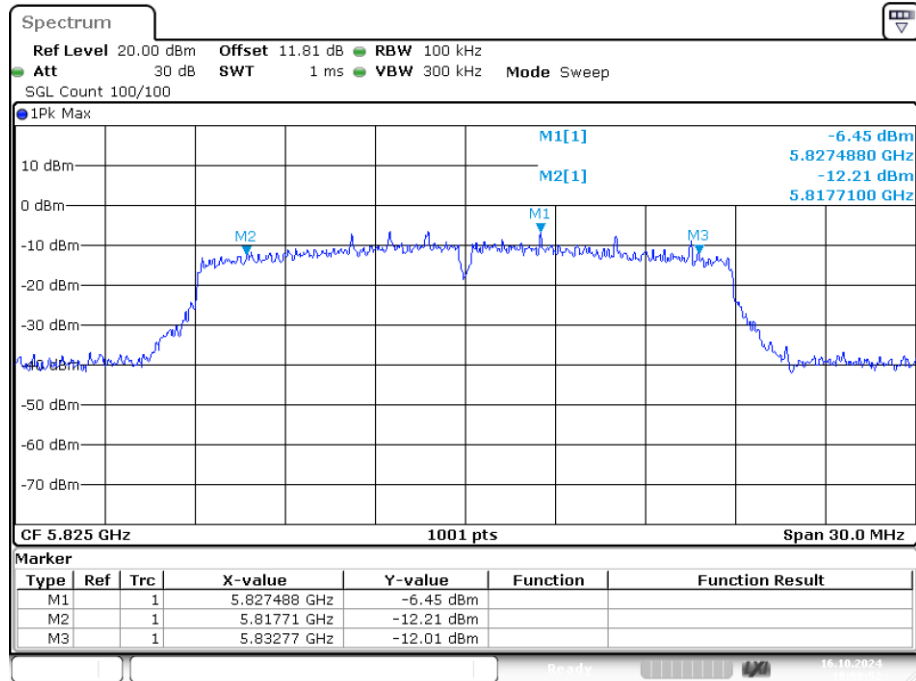
Date: 16.OCT.2024 18:01:10

-6dB Bandwidth NVNT ac20 5785MHz Ant1



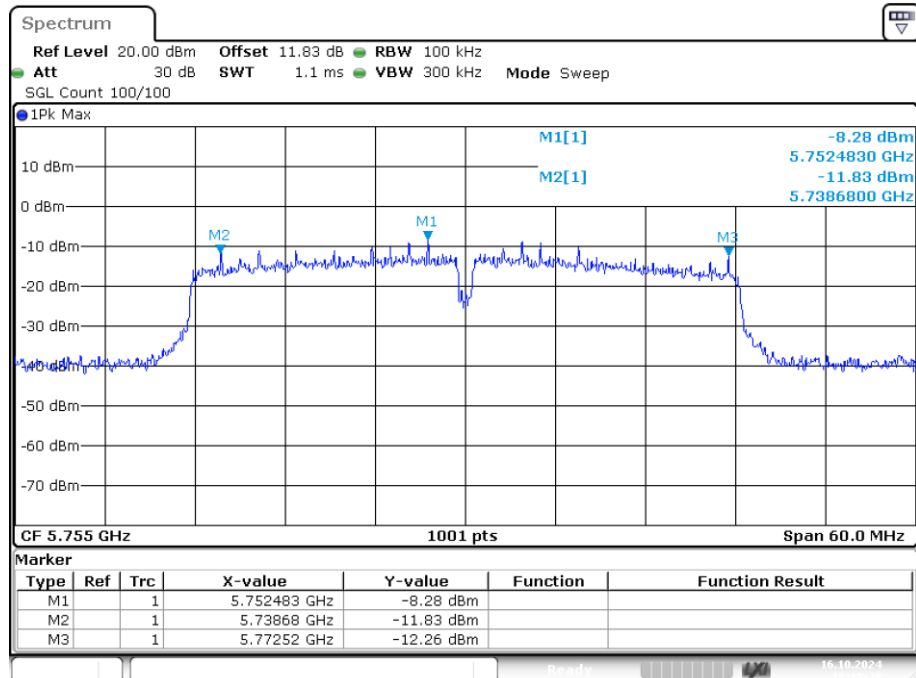
Date: 16.OCT.2024 18:06:34

-6dB Bandwidth NVNT ac20 5825MHz Ant1



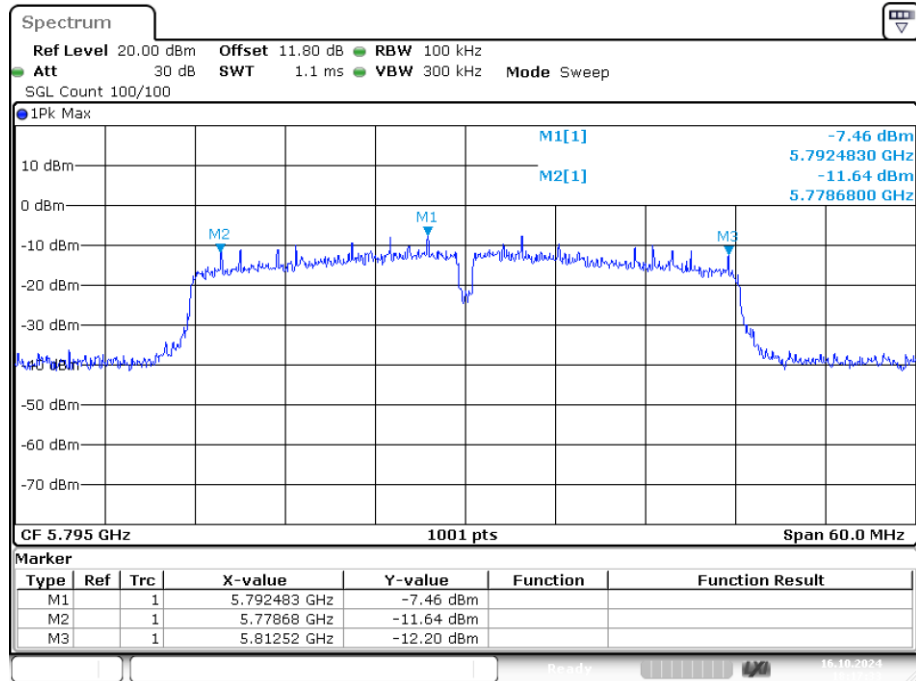
Date: 16.OCT.2024 18:08:51

-6dB Bandwidth NVNT ac40 5755MHz Ant1

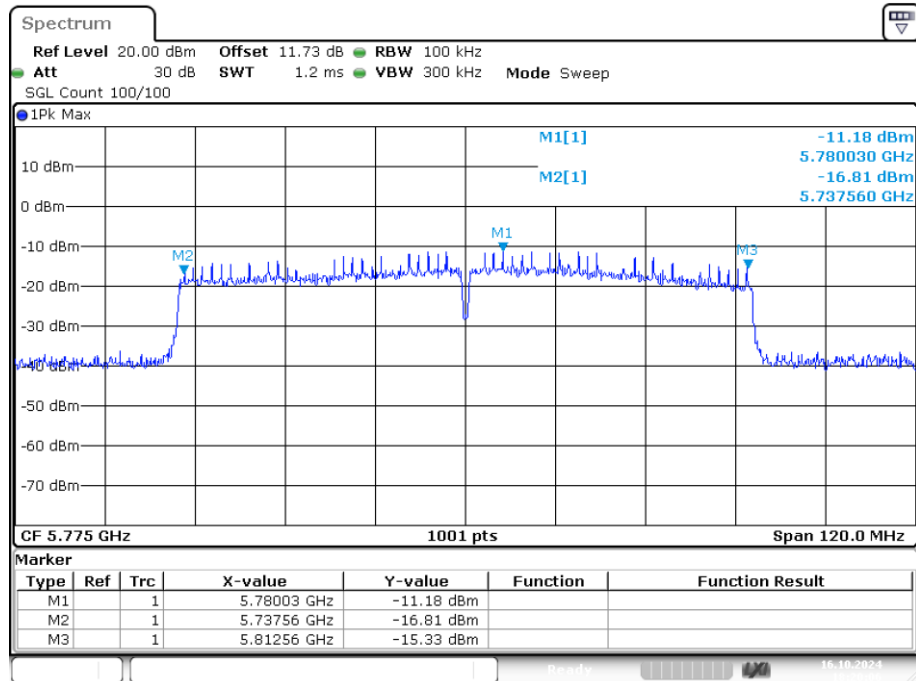


Date: 16.OCT.2024 18:15:28

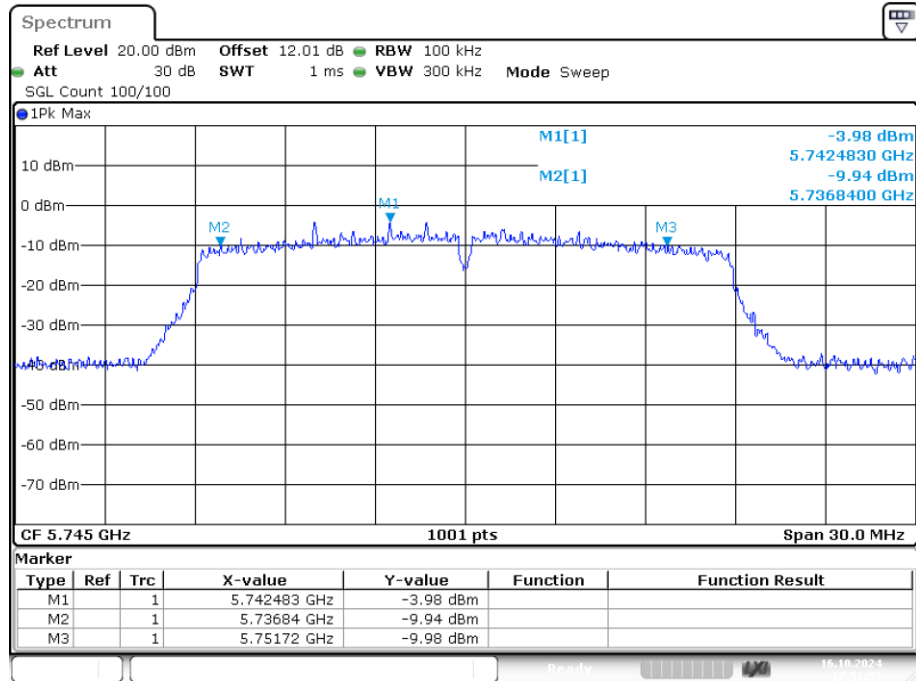
-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

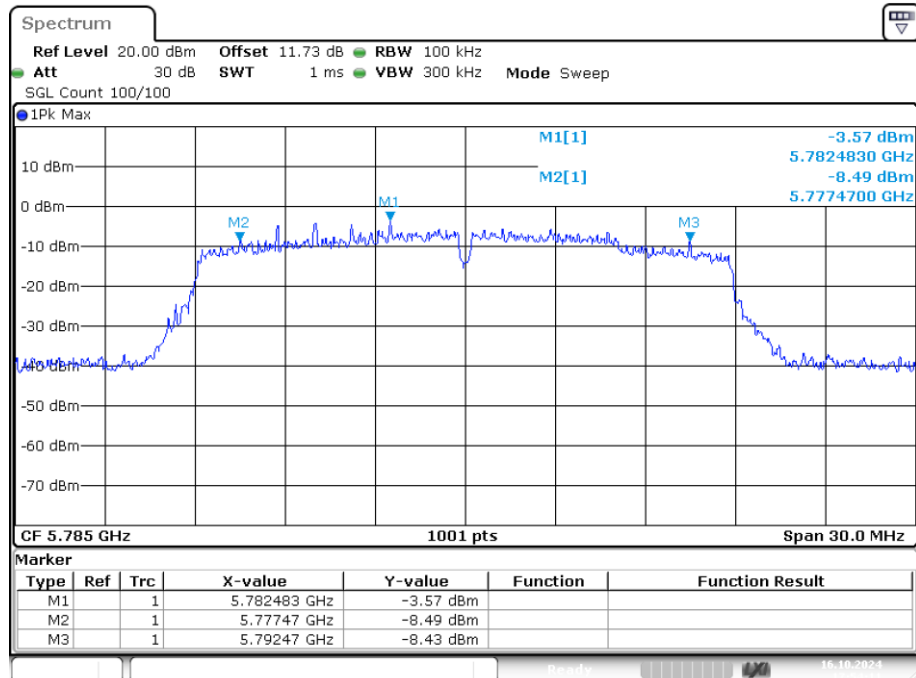


-6dB Bandwidth NVNT n20 5745MHz Ant1



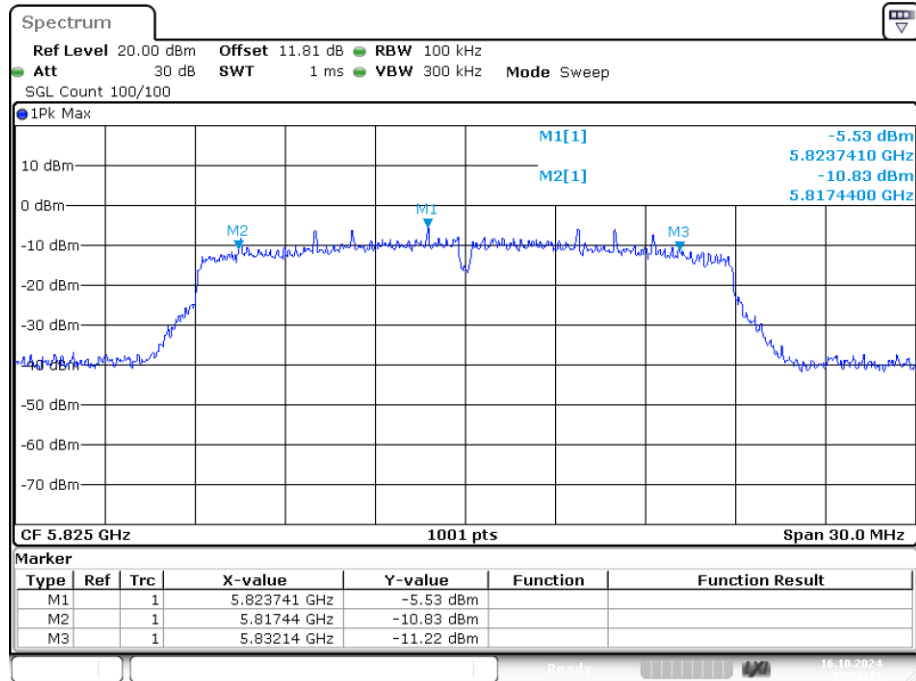
Date: 16.OCT.2024 17:51:54

-6dB Bandwidth NVNT n20 5785MHz Ant1



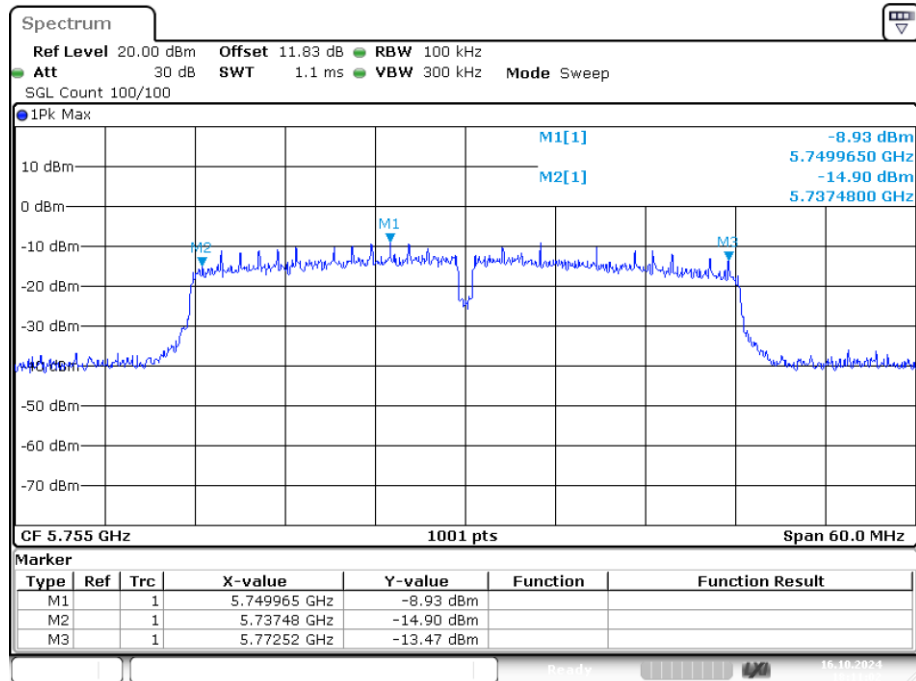
Date: 16.OCT.2024 17:54:11

-6dB Bandwidth NVNT n20 5825MHz Ant1



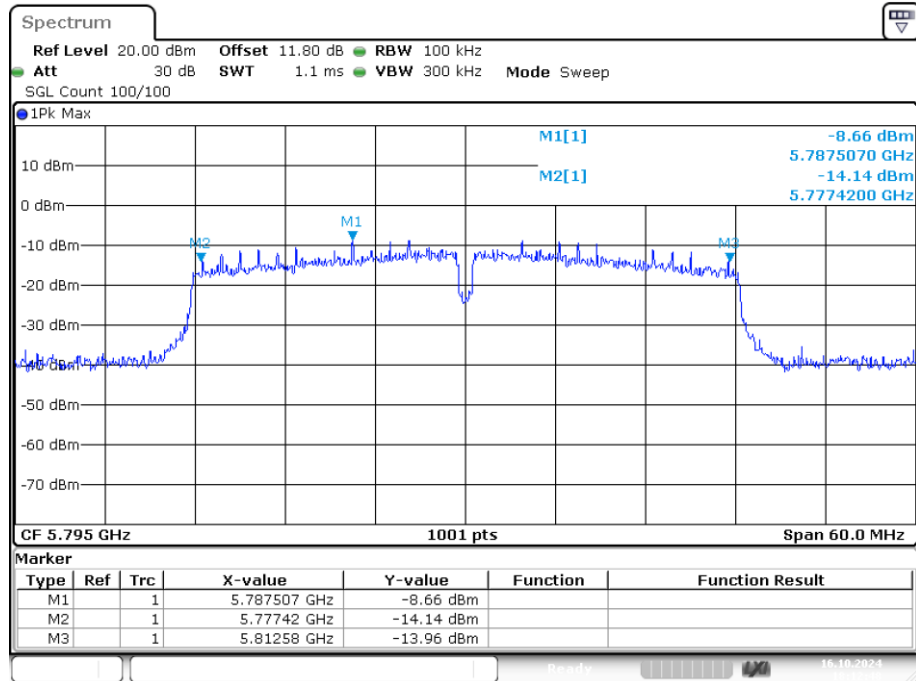
Date: 16.OCT.2024 17:56:11

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 16.OCT.2024 18:11:01

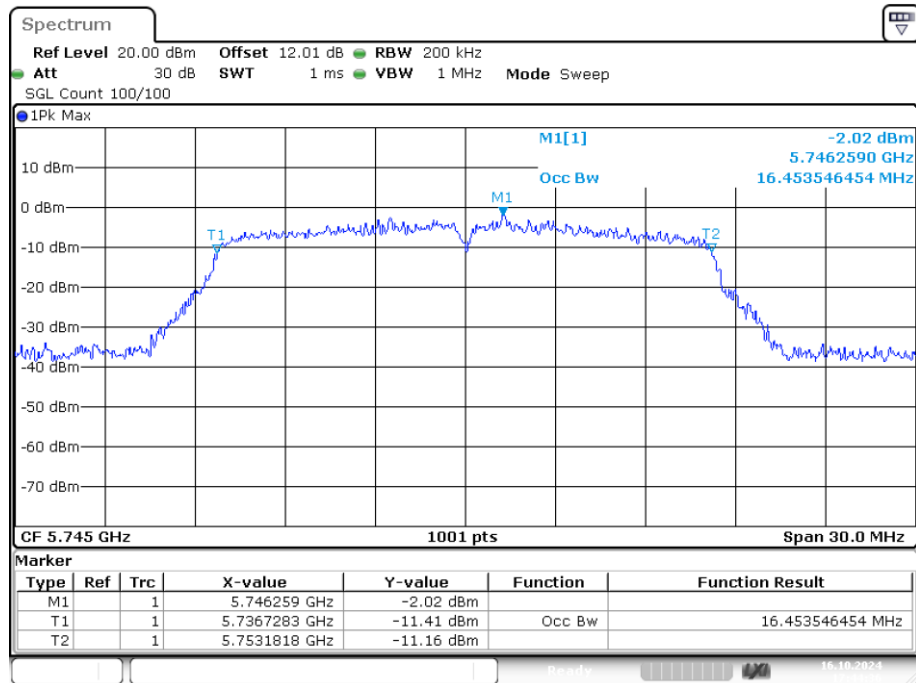
-6dB Bandwidth NVNT n40 5795MHz Ant1



Occupied Channel Bandwidth

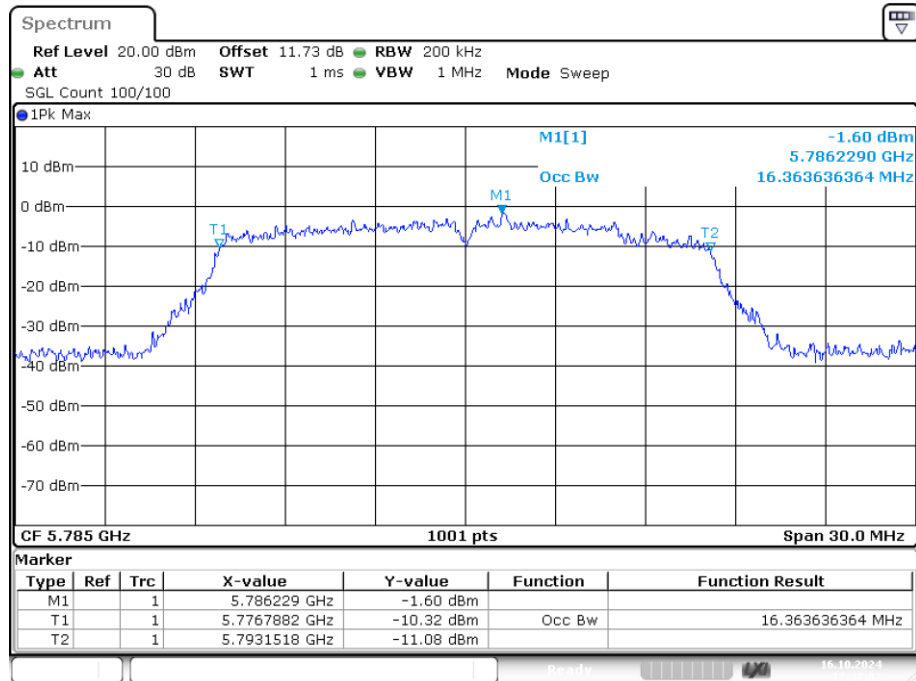
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.454
NVNT	a	5785	Ant1	16.364
NVNT	a	5825	Ant1	16.484
NVNT	ac20	5745	Ant1	17.592
NVNT	ac20	5785	Ant1	17.473
NVNT	ac20	5825	Ant1	17.622
NVNT	ac40	5755	Ant1	36.204
NVNT	ac40	5795	Ant1	36.144
NVNT	ac80	5775	Ant1	75.644
NVNT	n20	5745	Ant1	17.622
NVNT	n20	5785	Ant1	17.473
NVNT	n20	5825	Ant1	17.622
NVNT	n40	5755	Ant1	36.264
NVNT	n40	5795	Ant1	36.204

OBW NVNT a 5745MHz Ant1



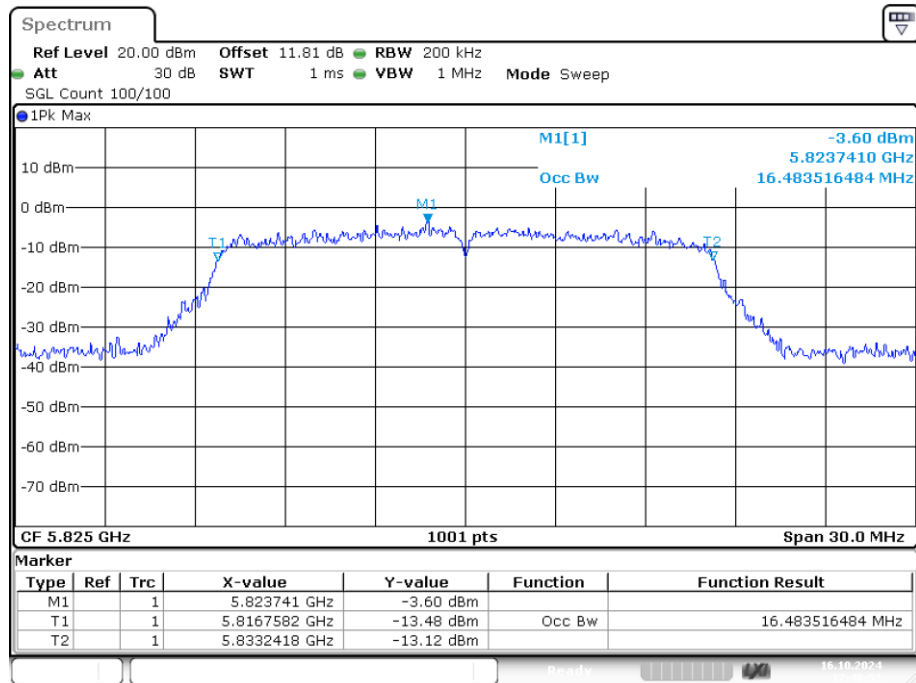
Date: 16.OCT.2024 17:44:35

OBW NVNT a 5785MHz Ant1



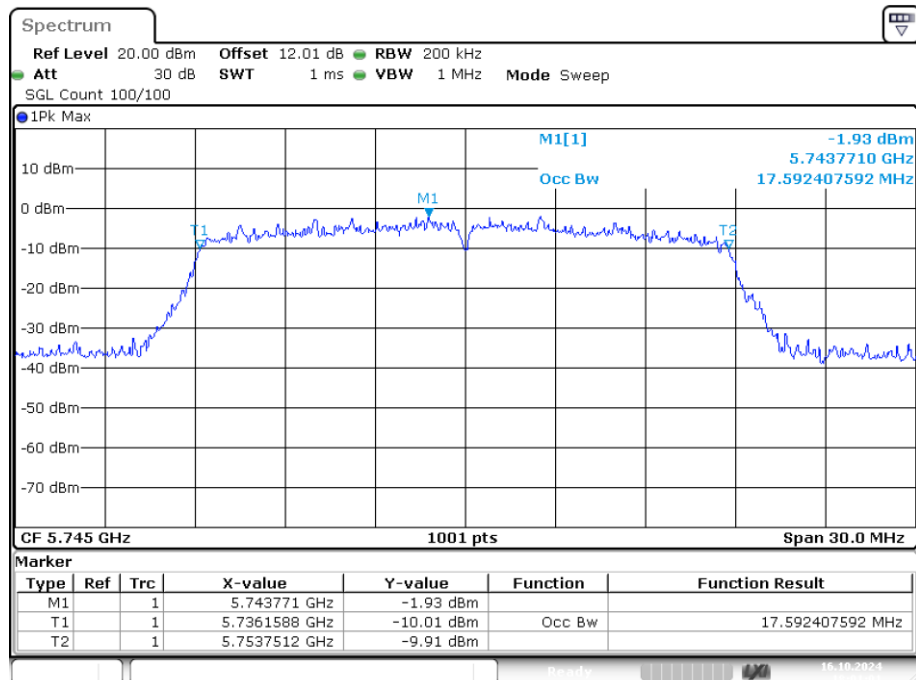
Date: 16.OCT.2024 17:47:01

OBW NVNT a 5825MHz Ant1



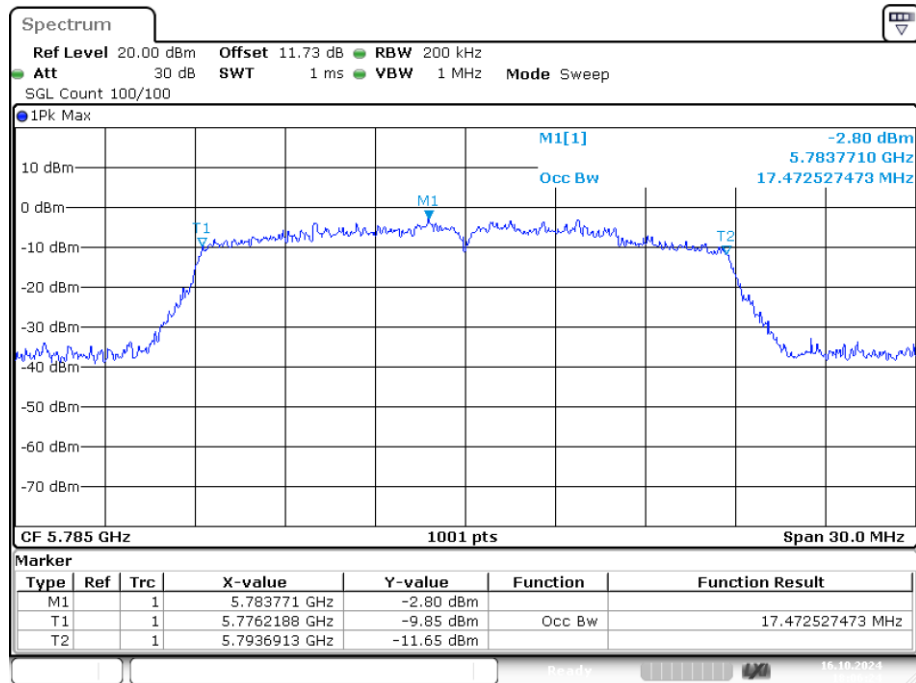
Date: 16.OCT.2024 17:48:52

OBW NVNT ac20 5745MHz Ant1



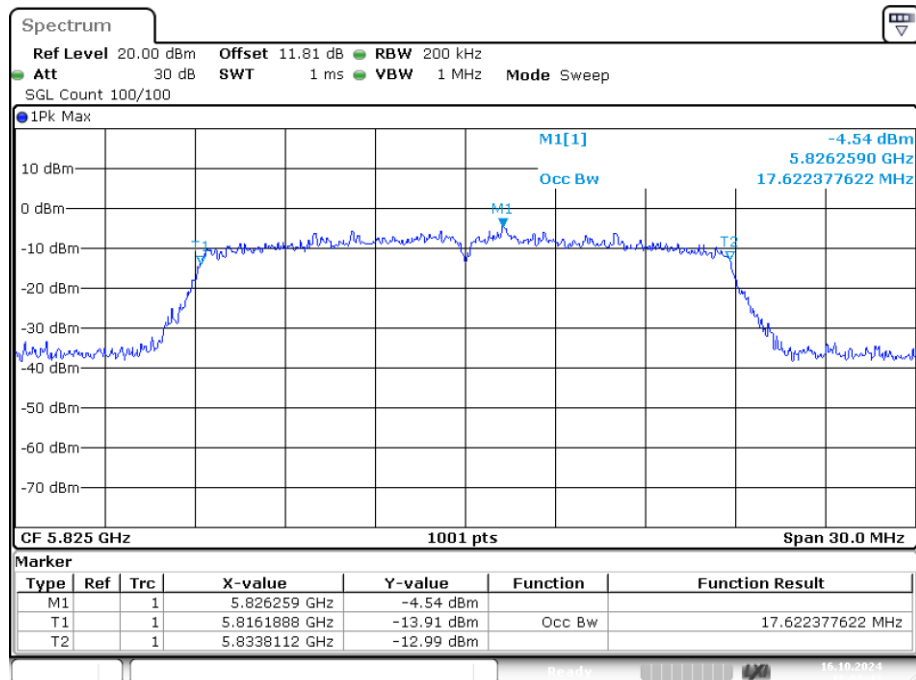
Date: 16.OCT.2024 18:01:00

OBW NVNT ac20 5785MHz Ant1



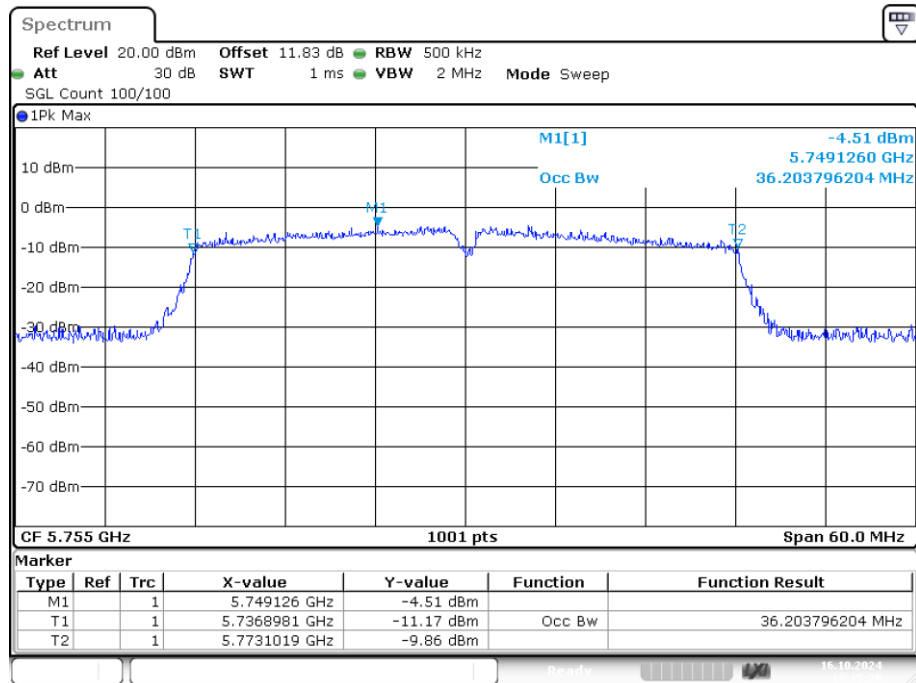
Date: 16.OCT.2024 18:06:24

OBW NVNT ac20 5825MHz Ant1



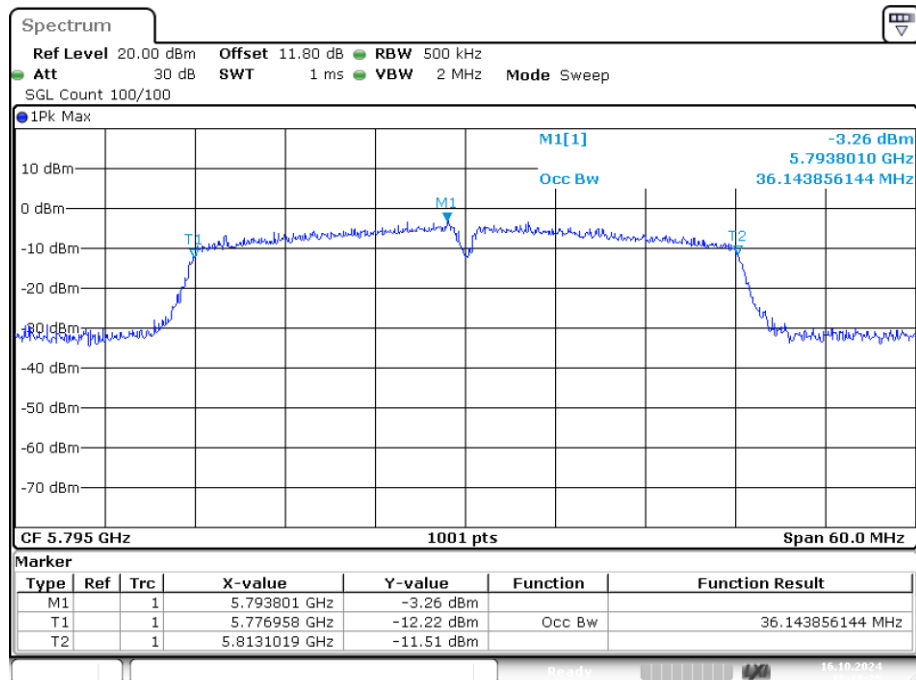
Date: 16.OCT.2024 18:08:43

OBW NVNT ac40 5755MHz Ant1



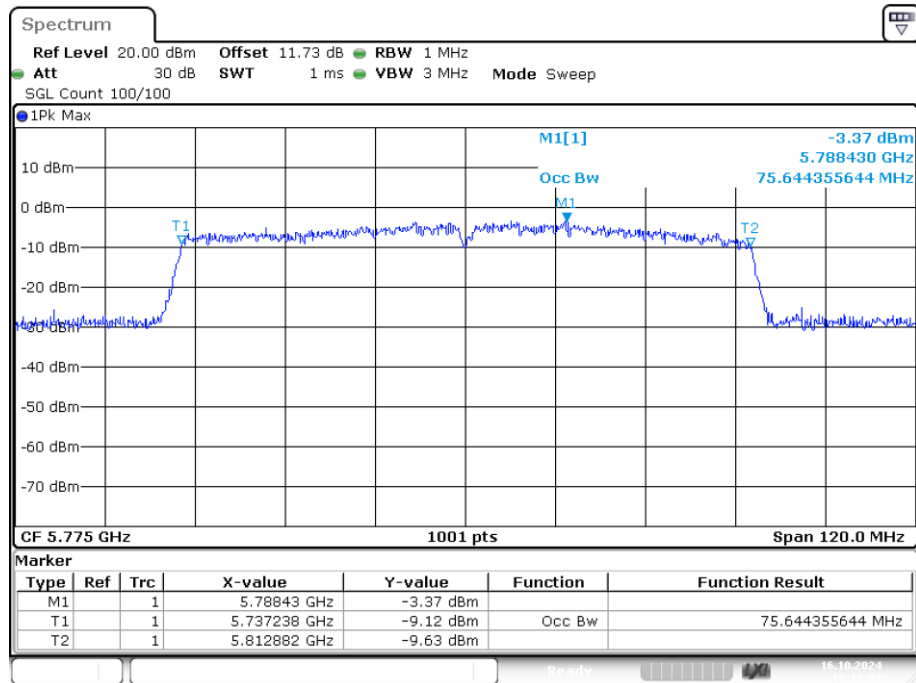
Date: 16.OCT.2024 18:15:20

OBW NVNT ac40 5795MHz Ant1

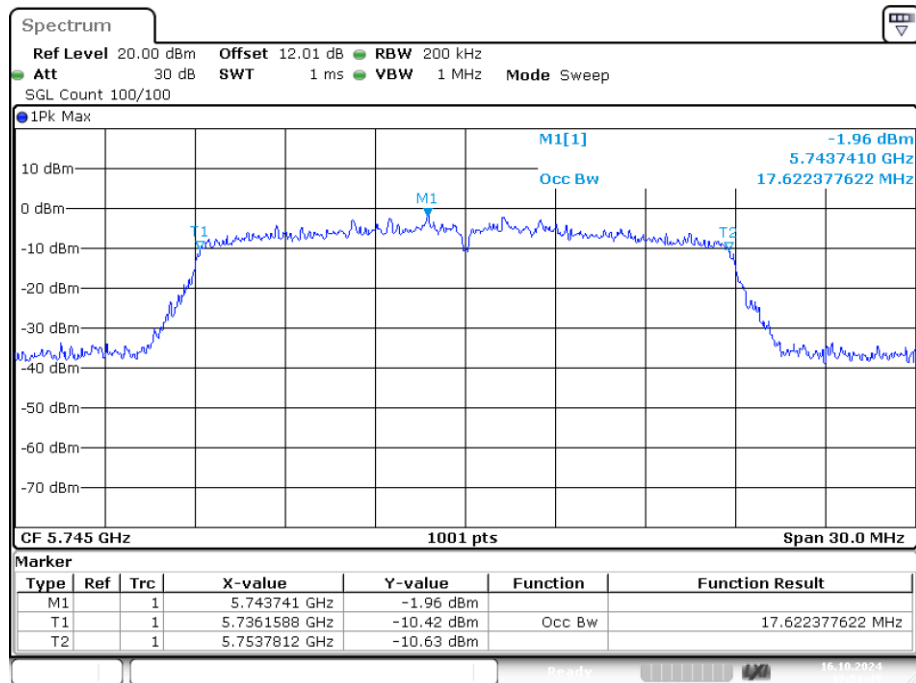


Date: 16.OCT.2024 18:17:25

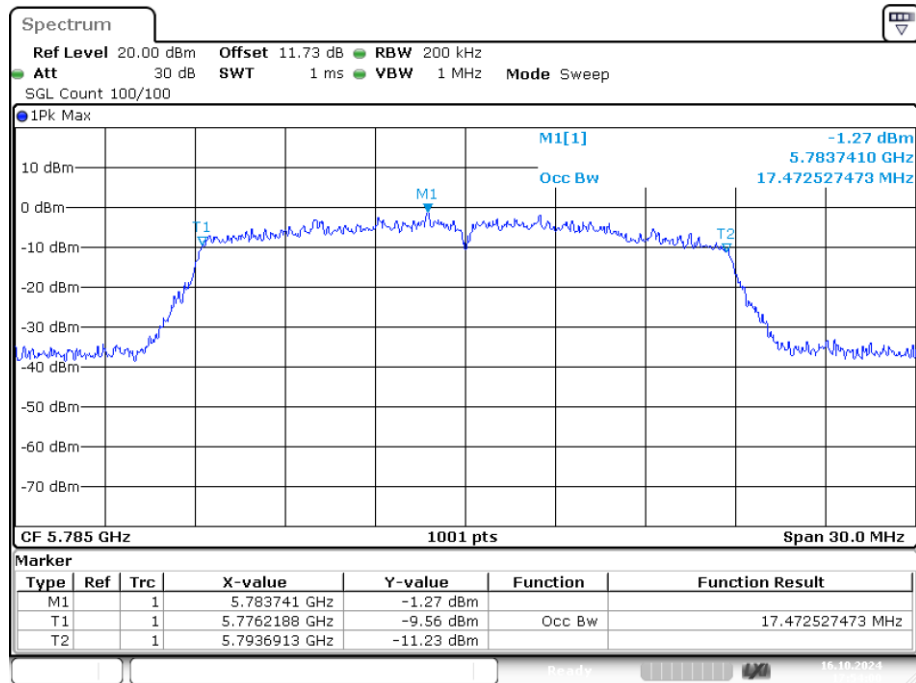
OBW NVNT ac80 5775MHz Ant1



OBW NVNT n20 5745MHz Ant1

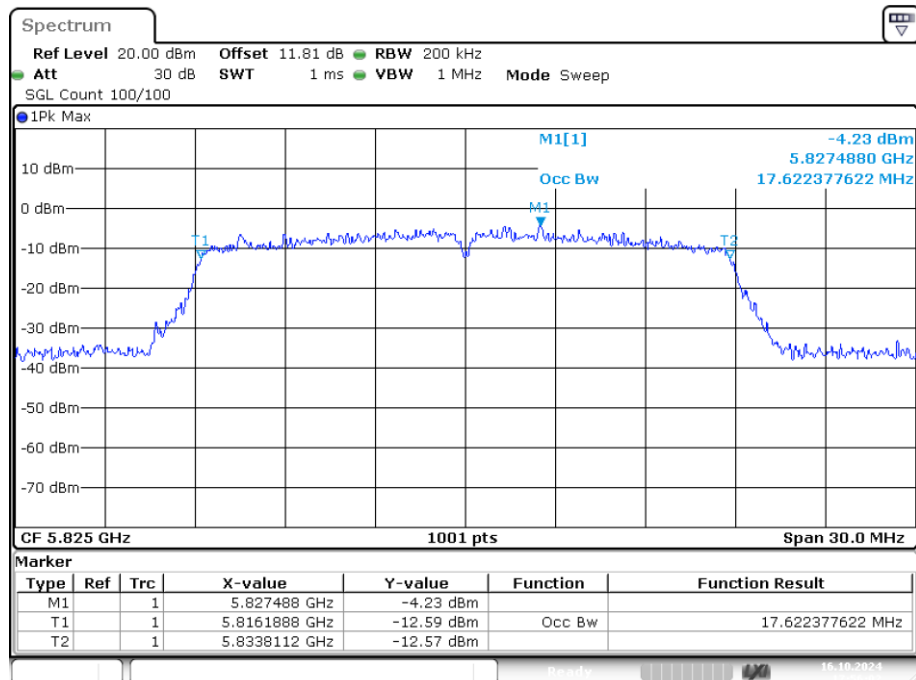


OBW NVNT n20 5785MHz Ant1



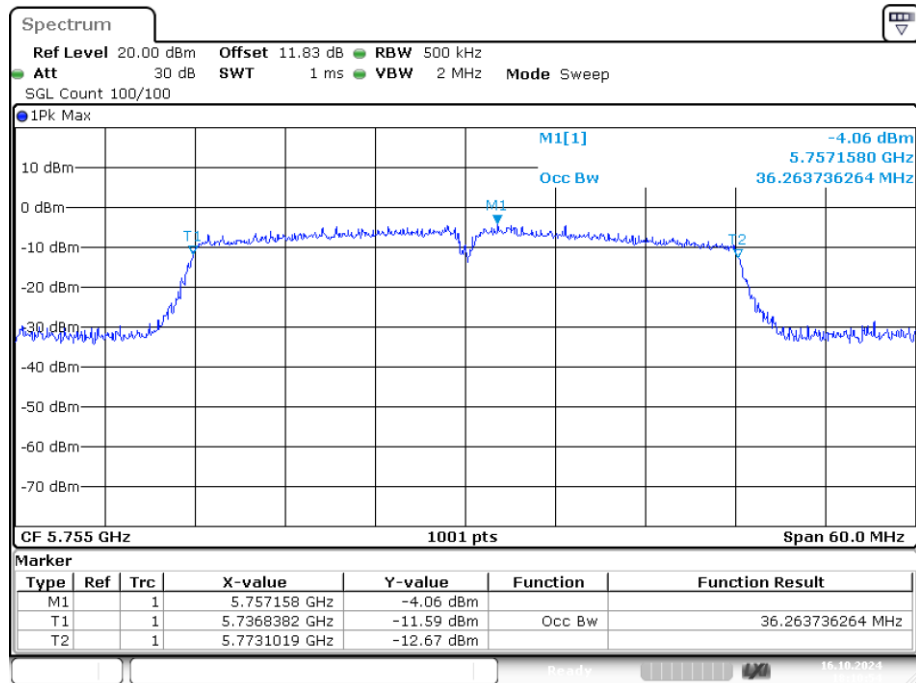
Date: 16.OCT.2024 17:54:00

OBW NVNT n20 5825MHz Ant1



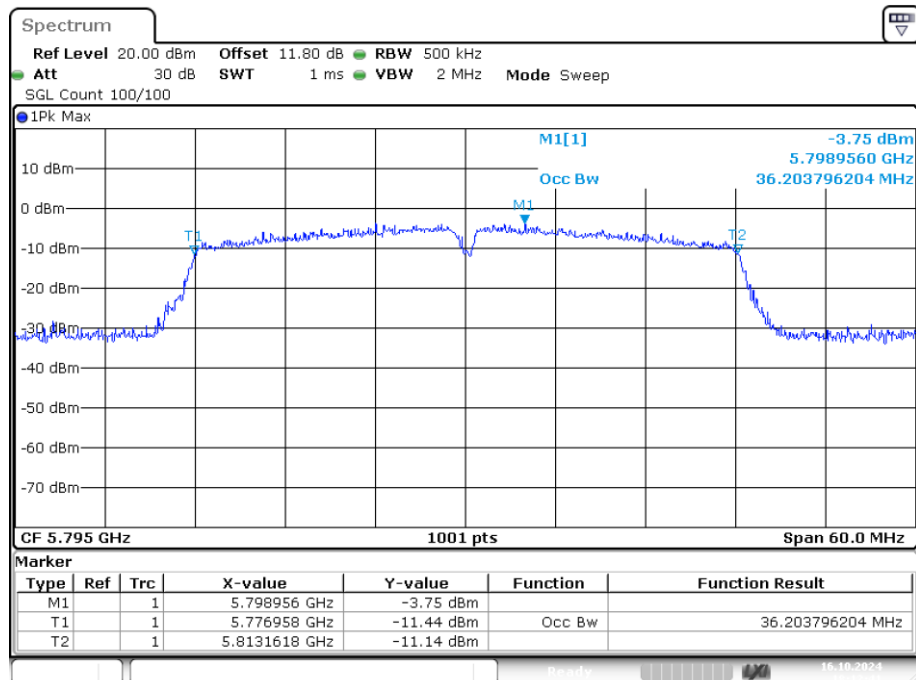
Date: 16.OCT.2024 17:56:03

OBW NVNT n40 5755MHz Ant1



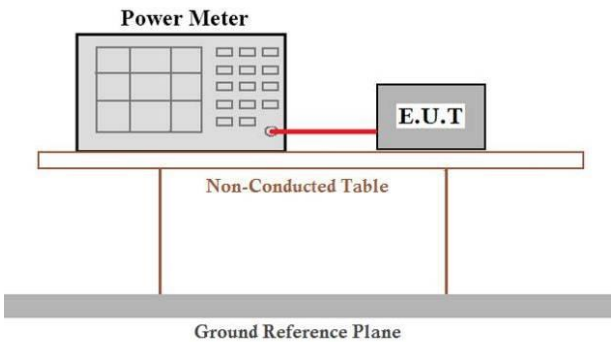
Date: 16.OCT.2024 18:10:53

OBW NVNT n40 5795MHz Ant1



Date: 16.OCT.2024 18:12:41

4.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 Issue 2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	FCC Part15 E Section 15.407: 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. RSS-247 Issue 2: Frequency band 5150-5250 MHz: For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. Frequency band 5250-5350 MHz: The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;
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 components are positioned on a 'Non-Conducted Table'. This table is supported by two vertical legs and sits on a 'Ground Reference Plane', which is represented by a thick grey horizontal bar at the bottom of the diagram.
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 3 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

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

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	IC Limit (dBm)	FCC Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.487	23	24	Pass
NVNT	a	5200	Ant1	12.984	23	24	Pass
NVNT	a	5240	Ant1	13.664	23	24	Pass
NVNT	ac20	5180	Ant1	13.032	23	24	Pass
NVNT	ac20	5200	Ant1	12.971	23	24	Pass
NVNT	ac20	5240	Ant1	12.625	23	24	Pass
NVNT	ac40	5190	Ant1	13.321	23	24	Pass
NVNT	ac40	5230	Ant1	13.112	23	24	Pass
NVNT	ac80	5210	Ant1	12.645	23	24	Pass
NVNT	n20	5180	Ant1	12.808	23	24	Pass
NVNT	n20	5200	Ant1	12.871	23	24	Pass
NVNT	n20	5240	Ant1	13.512	23	24	Pass
NVNT	n40	5190	Ant1	13.321	23	24	Pass
NVNT	n40	5230	Ant1	12.711	23	24	Pass

Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	12.4	24	Pass
NVNT	a	5280	Ant1	12.551	24	Pass
NVNT	a	5320	Ant1	12.02	24	Pass
NVNT	ac20	5260	Ant1	11.783	24	Pass
NVNT	ac20	5280	Ant1	12.017	24	Pass
NVNT	ac20	5320	Ant1	11.297	24	Pass
NVNT	ac40	5270	Ant1	12.747	24	Pass
NVNT	ac40	5310	Ant1	12.241	24	Pass
NVNT	ac80	5290	Ant1	12.676	24	Pass
NVNT	n20	5260	Ant1	12.322	24	Pass
NVNT	n20	5280	Ant1	12.397	24	Pass
NVNT	n20	5320	Ant1	11.737	24	Pass
NVNT	n40	5270	Ant1	12.724	24	Pass
NVNT	n40	5310	Ant1	12.242	24	Pass

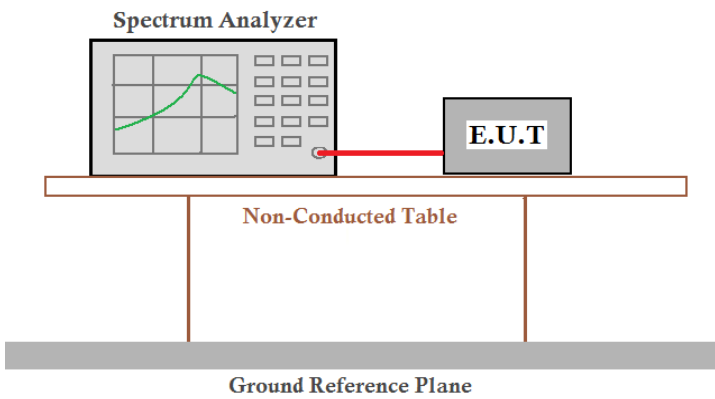
Band 3 (5740 -5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	11.943	24	Pass
NVNT	a	5580	Ant1	11.001	24	Pass
NVNT	a	5700	Ant1	10.957	24	Pass
NVNT	ac20	5500	Ant1	11.519	24	Pass
NVNT	ac20	5580	Ant1	12.106	24	Pass
NVNT	ac20	5700	Ant1	11.328	24	Pass
NVNT	ac40	5510	Ant1	12.744	24	Pass
NVNT	ac40	5670	Ant1	12.868	24	Pass
NVNT	ac80	5530	Ant1	12.169	24	Pass
NVNT	n20	5500	Ant1	11.472	24	Pass
NVNT	n20	5580	Ant1	12.678	24	Pass
NVNT	n20	5700	Ant1	11.351	24	Pass
NVNT	n40	5510	Ant1	12.539	24	Pass
NVNT	n40	5670	Ant1	12.305	24	Pass

Band 4 (5725 – 5850 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.424	30	Pass
NVNT	a	5785	Ant1	12.811	30	Pass
NVNT	a	5825	Ant1	13.001	30	Pass
NVNT	ac20	5745	Ant1	12.99	30	Pass
NVNT	ac20	5785	Ant1	12.284	30	Pass
NVNT	ac20	5825	Ant1	12.144	30	Pass
NVNT	ac40	5755	Ant1	12.22	30	Pass
NVNT	ac40	5795	Ant1	12.957	30	Pass
NVNT	ac80	5775	Ant1	12.789	30	Pass
NVNT	n20	5745	Ant1	12.492	30	Pass
NVNT	n20	5785	Ant1	13.289	30	Pass
NVNT	n20	5825	Ant1	12.964	30	Pass
NVNT	n40	5755	Ant1	12.227	30	Pass
NVNT	n40	5795	Ant1	12.729	30	Pass

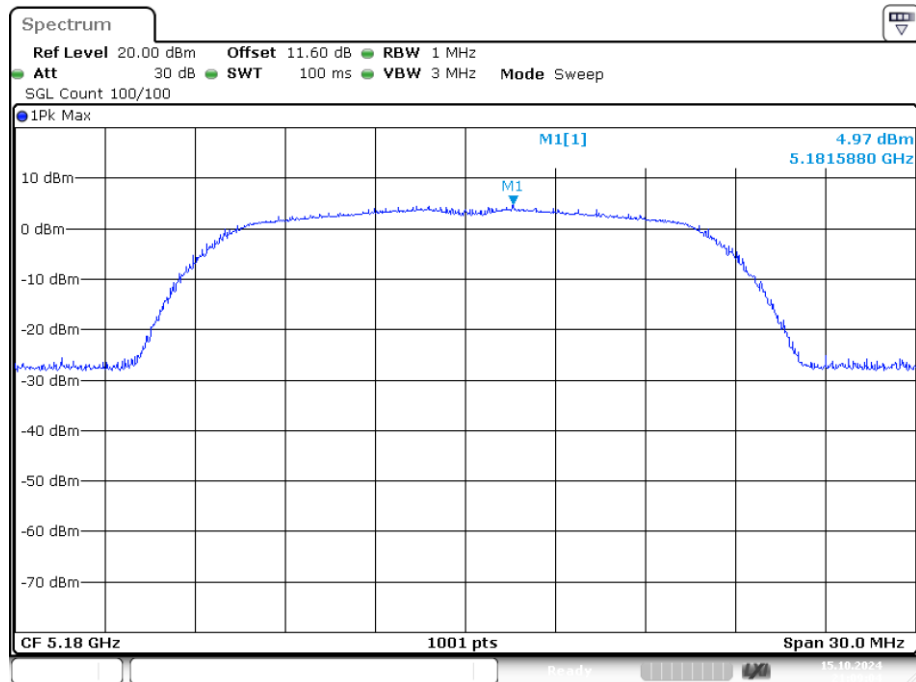
4.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 Issue 2
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 For 5150MHz-5250MHz: The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.
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 two vertical legs. Below the table is 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 E2) 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 E2)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 3 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

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

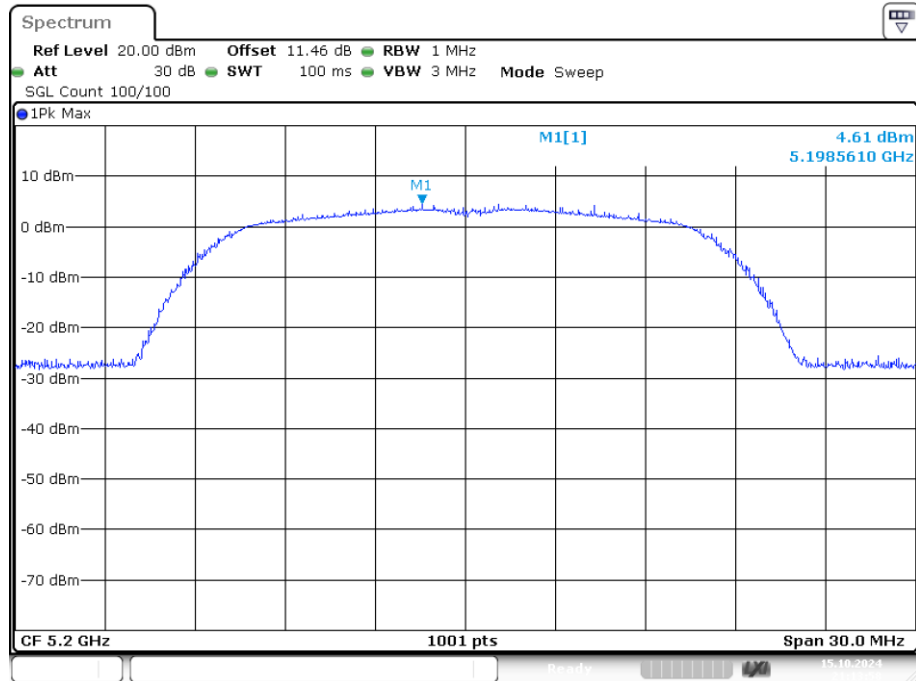
Condition	Mode	Frequency (MHz)	Antenna	EIRP PSD (dBm)	IC Limit (dBm)	FCC Limit (dBm)	Verdict
NVNT	a	5180	Ant1	4.97	10	11	Pass
NVNT	a	5200	Ant1	4.609	10	11	Pass
NVNT	a	5240	Ant1	5.527	10	11	Pass
NVNT	ac20	5180	Ant1	4.122	10	11	Pass
NVNT	ac20	5200	Ant1	4.022	10	11	Pass
NVNT	ac20	5240	Ant1	3.697	10	11	Pass
NVNT	ac40	5190	Ant1	1.739	10	11	Pass
NVNT	ac40	5230	Ant1	1.13	10	11	Pass
NVNT	ac80	5210	Ant1	-2.587	10	11	Pass
NVNT	n20	5180	Ant1	4.376	10	11	Pass
NVNT	n20	5200	Ant1	4.139	10	11	Pass
NVNT	n20	5240	Ant1	4.401	10	11	Pass
NVNT	n40	5190	Ant1	1.446	10	11	Pass
NVNT	n40	5230	Ant1	0.533	10	11	Pass

PSD NVNT a 5180MHz Ant1



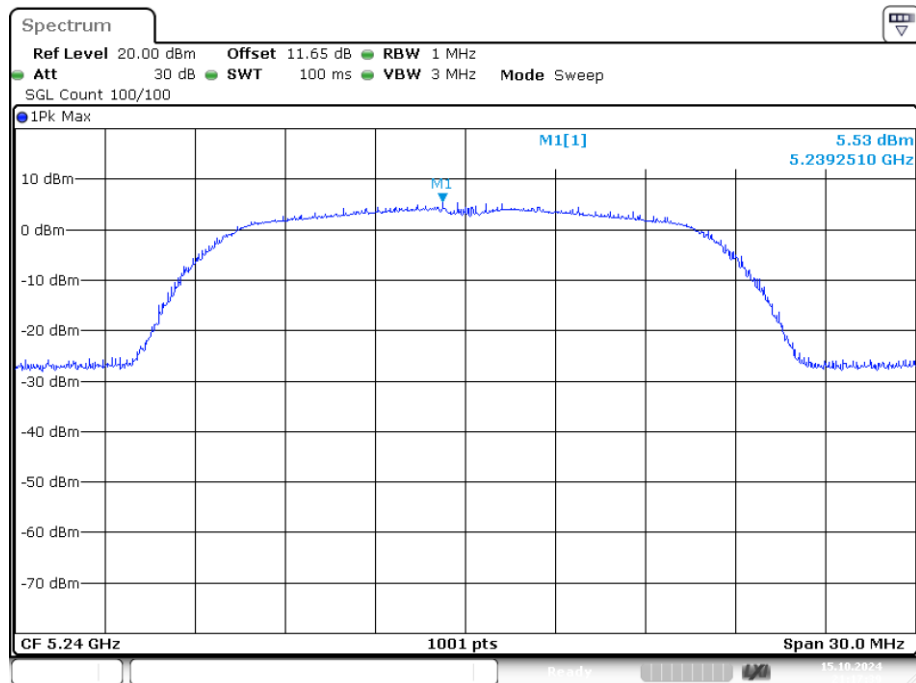
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PSD NVNT a 5200MHz Ant1



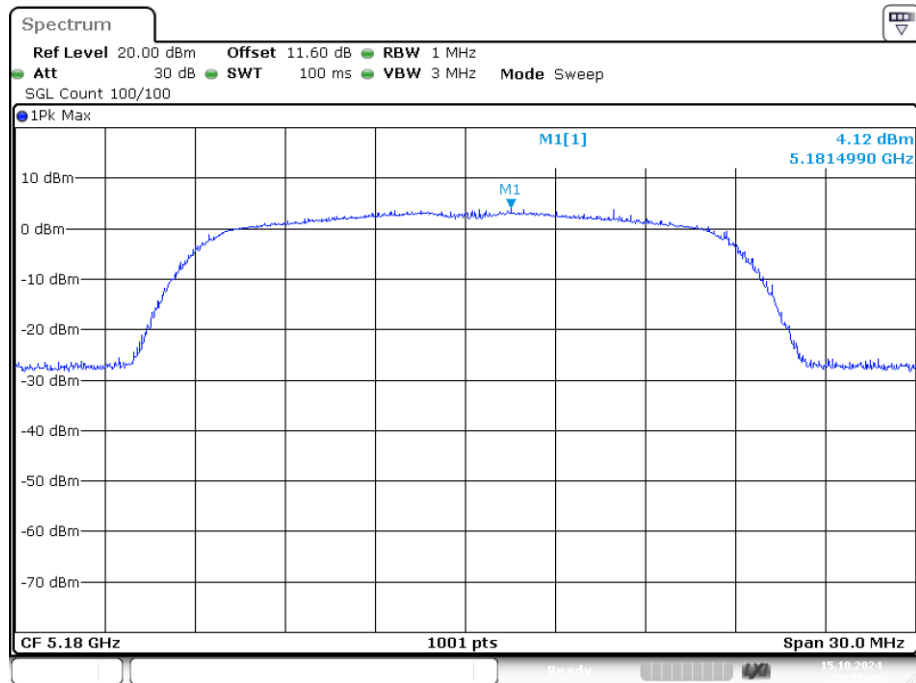
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PSD NVNT a 5240MHz Ant1



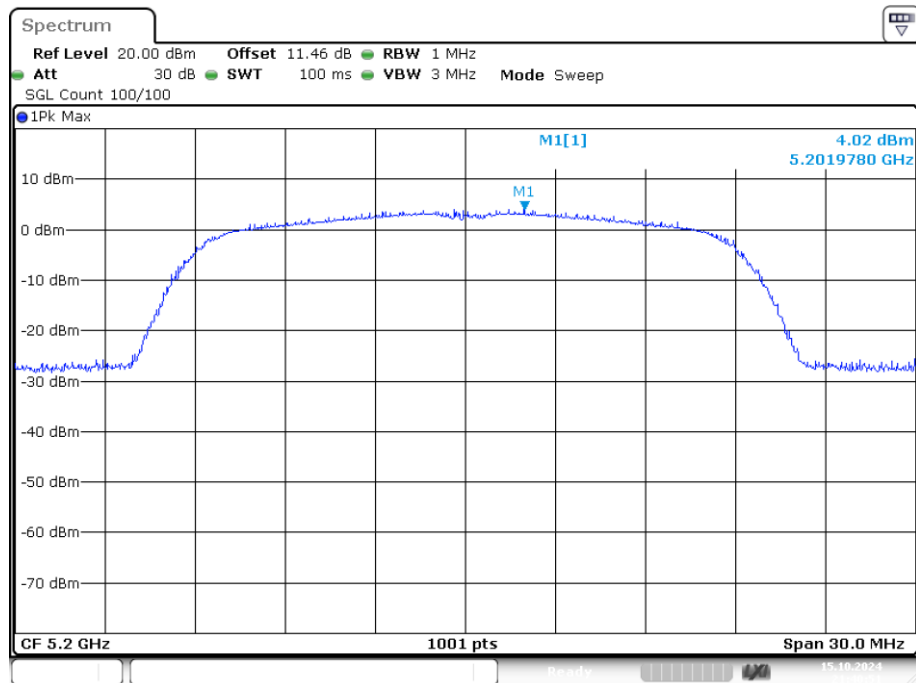
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PSD NVNT ac20 5180MHz Ant1



Date: 15.OCT.2024 21:37:29

PSD NVNT ac20 5200MHz Ant1



Date: 15.OCT.2024 21:40:51