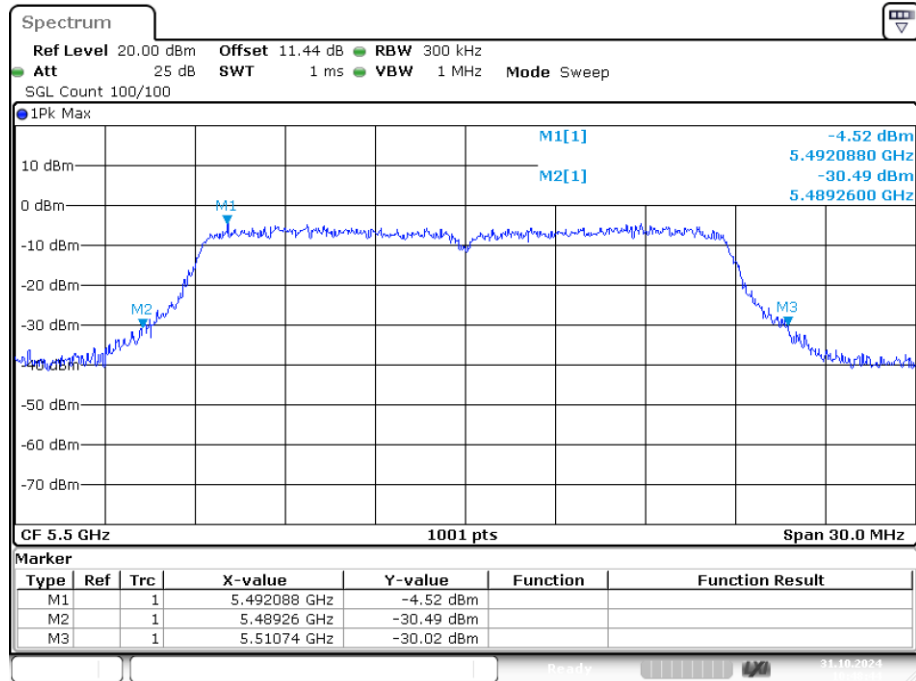
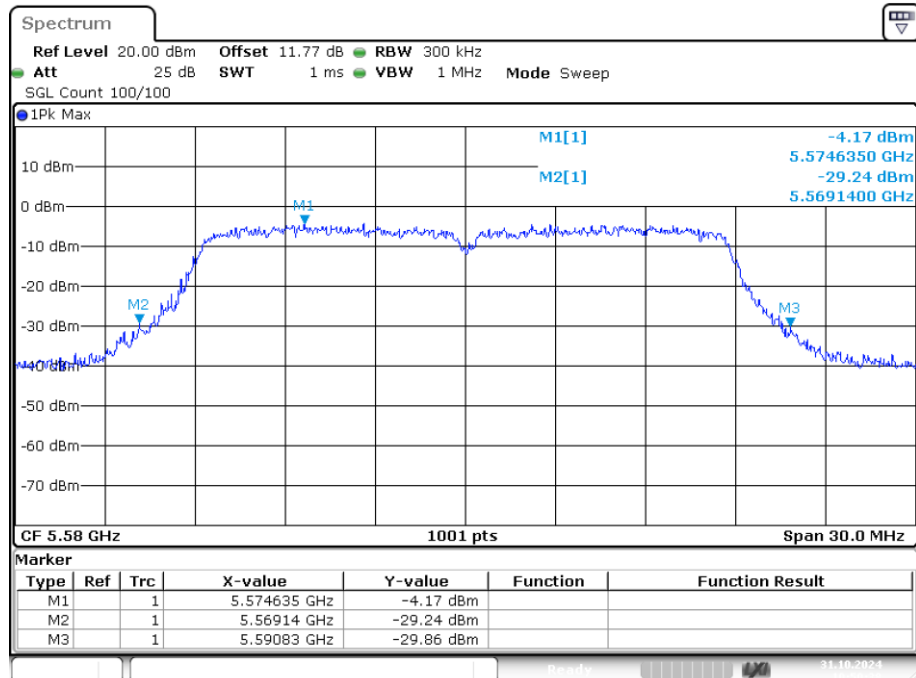


-26dB Bandwidth NVNT n20 5500MHz Ant1



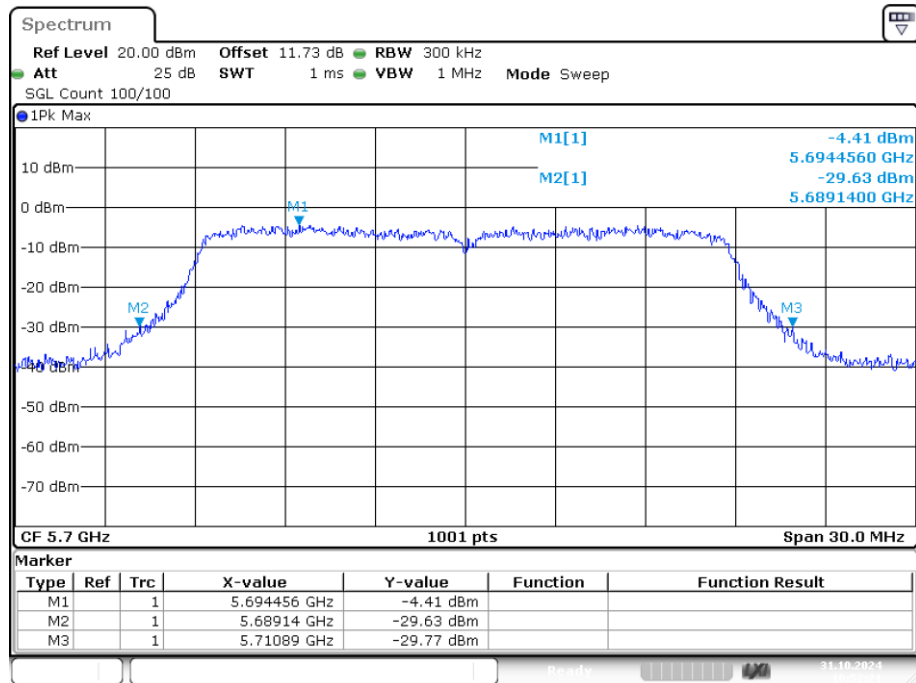
Date: 31.OCT.2024 10:48:44

-26dB Bandwidth NVNT n20 5580MHz Ant1



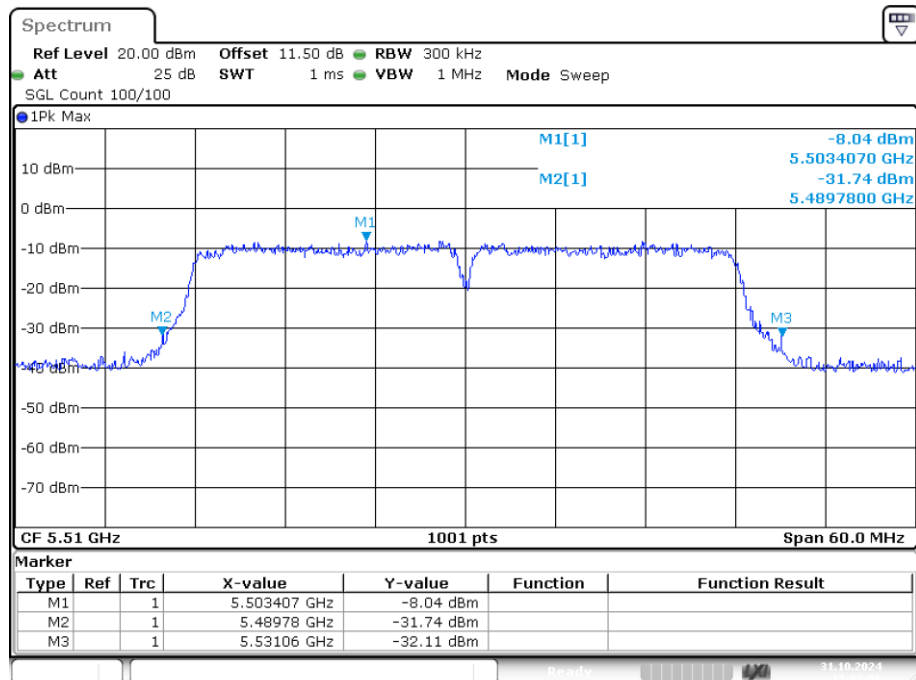
Date: 31.OCT.2024 10:50:37

-26dB Bandwidth NVNT n20 5700MHz Ant1



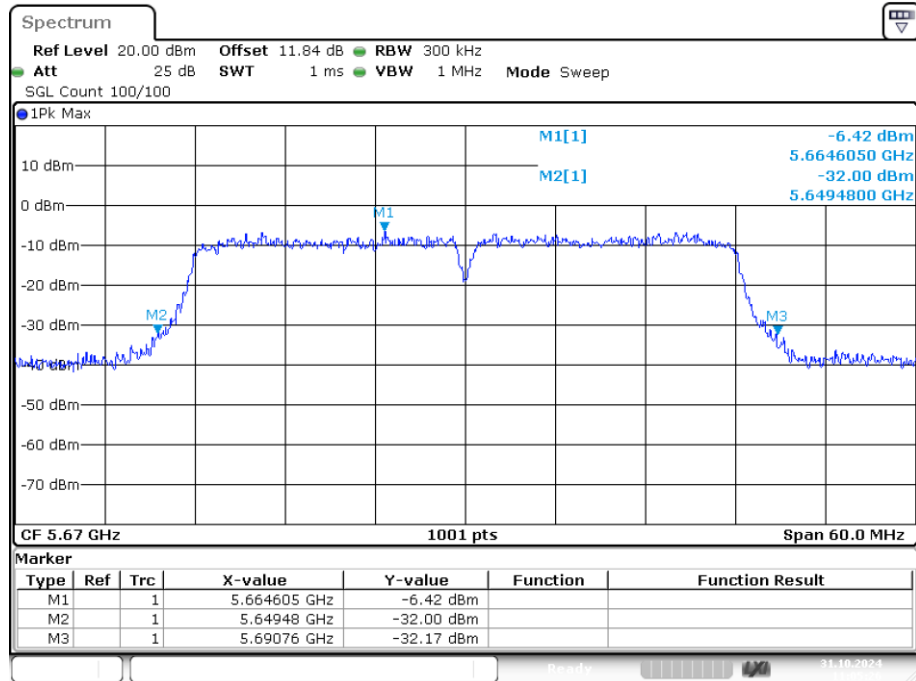
Date: 31.OCT.2024 10:52:21

-26dB Bandwidth NVNT n40 5510MHz Ant1



Date: 31.OCT.2024 11:02:06

-26dB Bandwidth NVNT n40 5670MHz Ant1

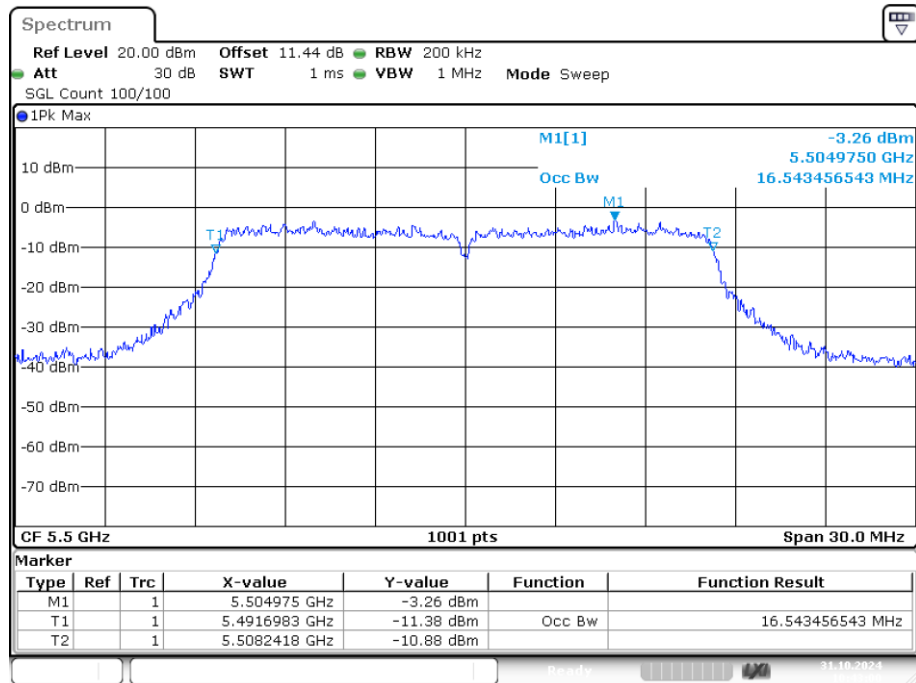


Date: 31.OCT.2024 11:05:27

Occupied Channel Bandwidth

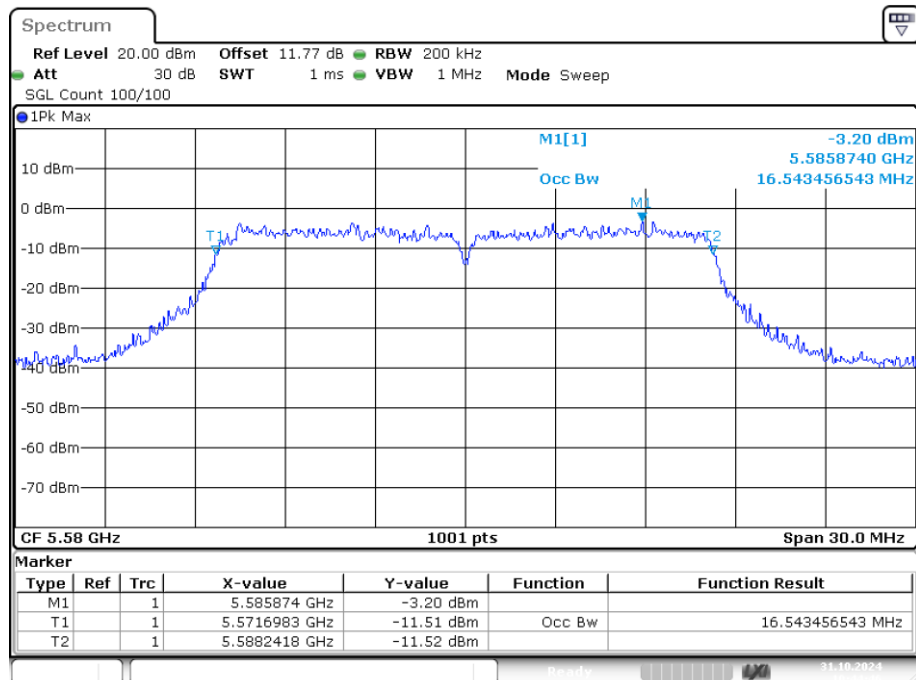
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.543
NVNT	a	5580	Ant1	16.543
NVNT	a	5700	Ant1	16.603
NVNT	ac20	5500	Ant1	17.622
NVNT	ac20	5580	Ant1	17.592
NVNT	ac20	5700	Ant1	17.682
NVNT	ac40	5510	Ant1	36.264
NVNT	ac40	5670	Ant1	36.144
NVNT	ac80	5530	Ant1	75.884
NVNT	n20	5500	Ant1	17.592
NVNT	n20	5580	Ant1	17.622
NVNT	n20	5700	Ant1	17.652
NVNT	n40	5510	Ant1	36.324
NVNT	n40	5670	Ant1	36.264

OBW NVNT a 5500MHz Ant1



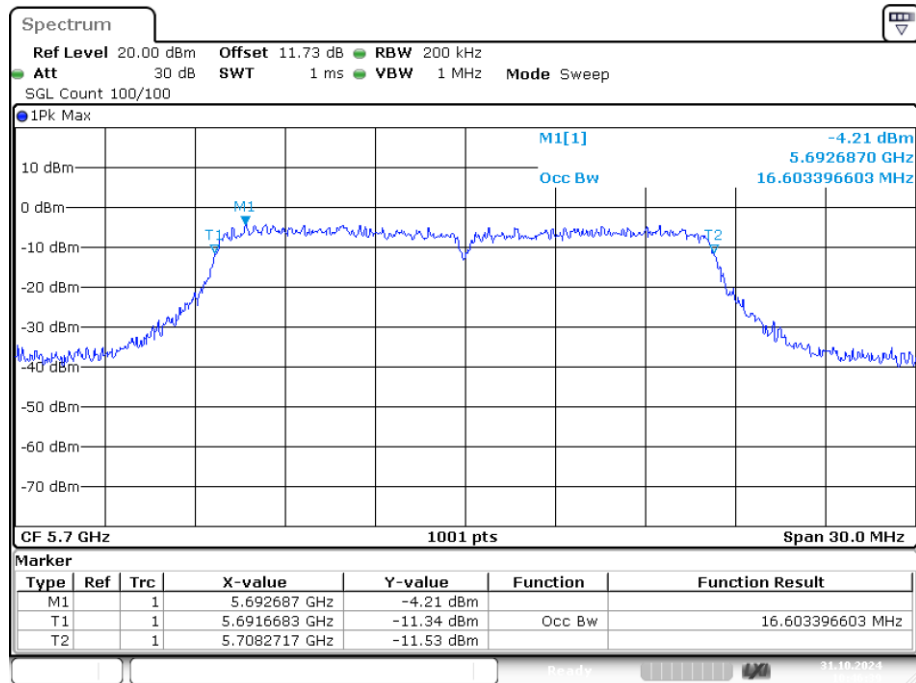
Date: 31.OCT.2024 10:42:59

OBW NVNT a 5580MHz Ant1



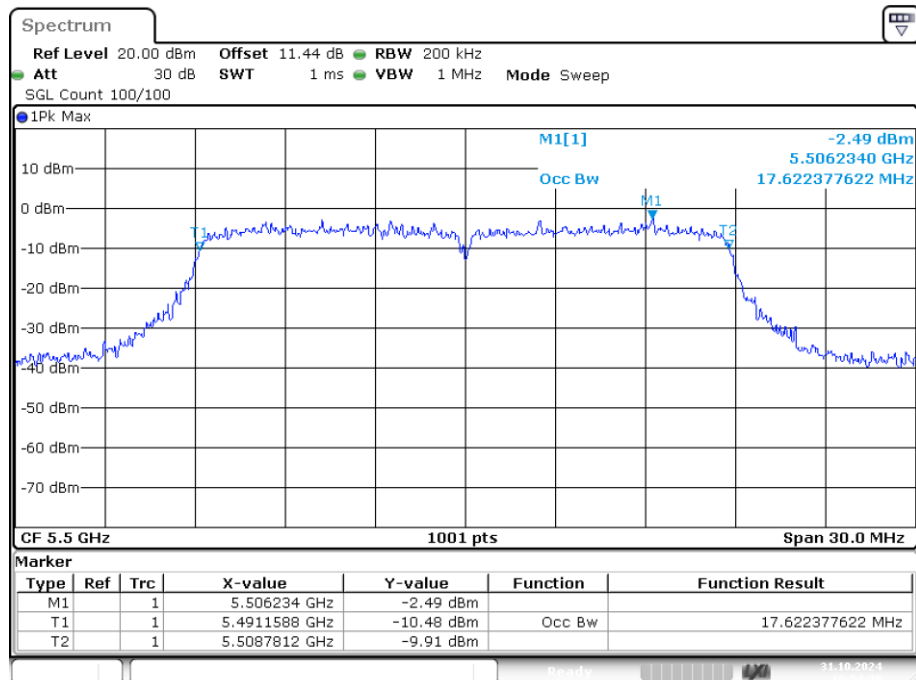
Date: 31.OCT.2024 10:44:46

OBW NVNT a 5700MHz Ant1



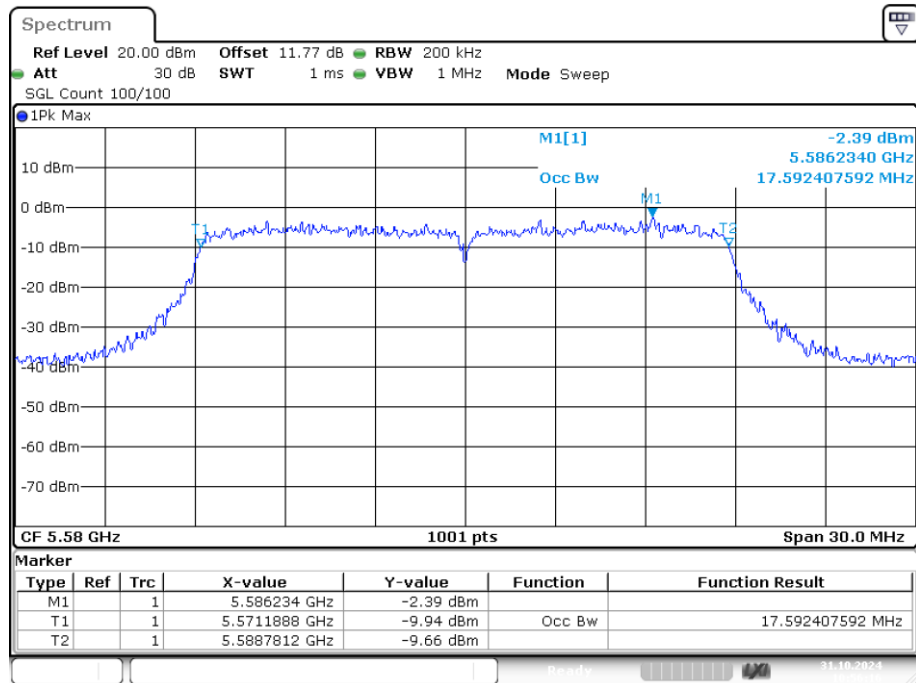
Date: 31.OCT.2024 10:46:38

OBW NVNT ac20 5500MHz Ant1



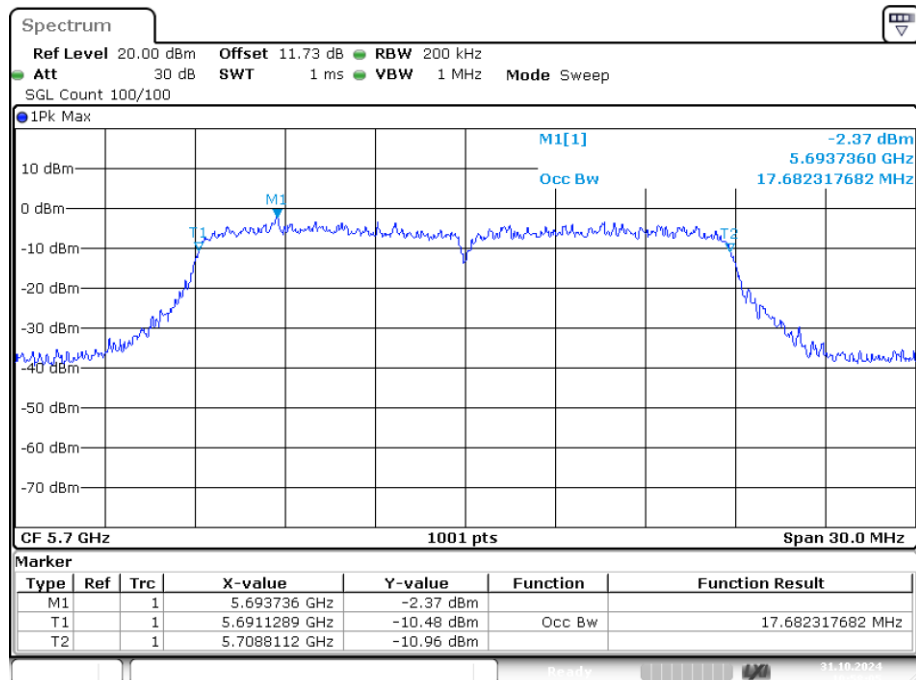
Date: 31.OCT.2024 10:54:29

OBW NVNT ac20 5580MHz Ant1



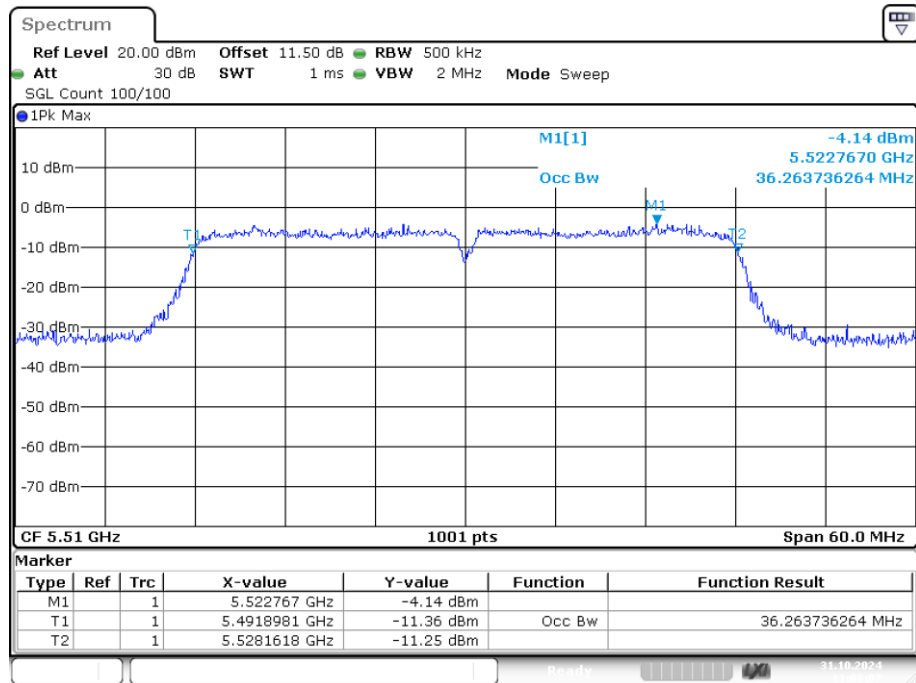
Date: 31.OCT.2024 10:56:17

OBW NVNT ac20 5700MHz Ant1



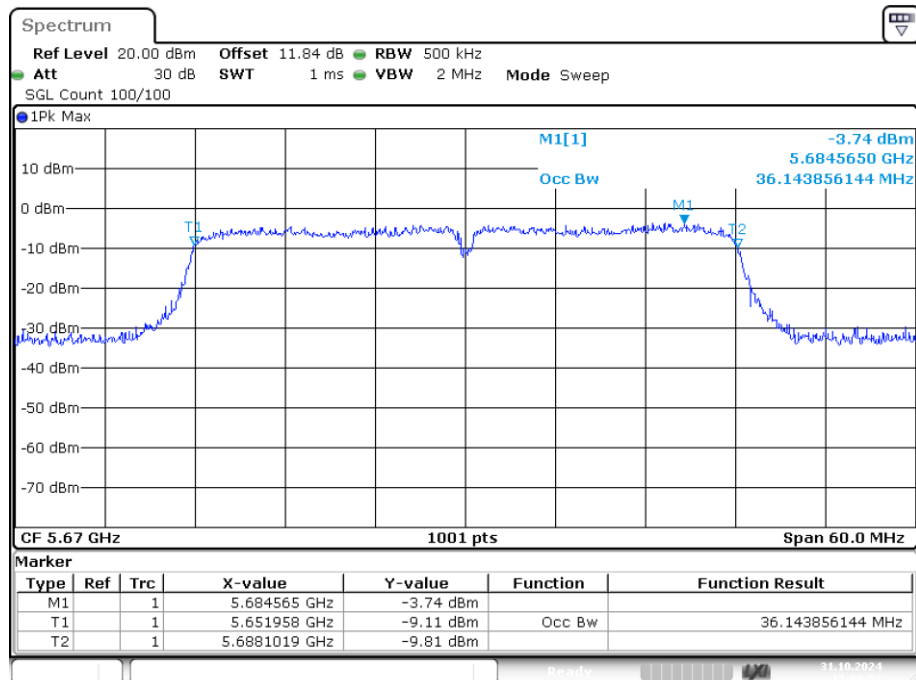
Date: 31.OCT.2024 10:58:05

OBW NVNT ac40 5510MHz Ant1



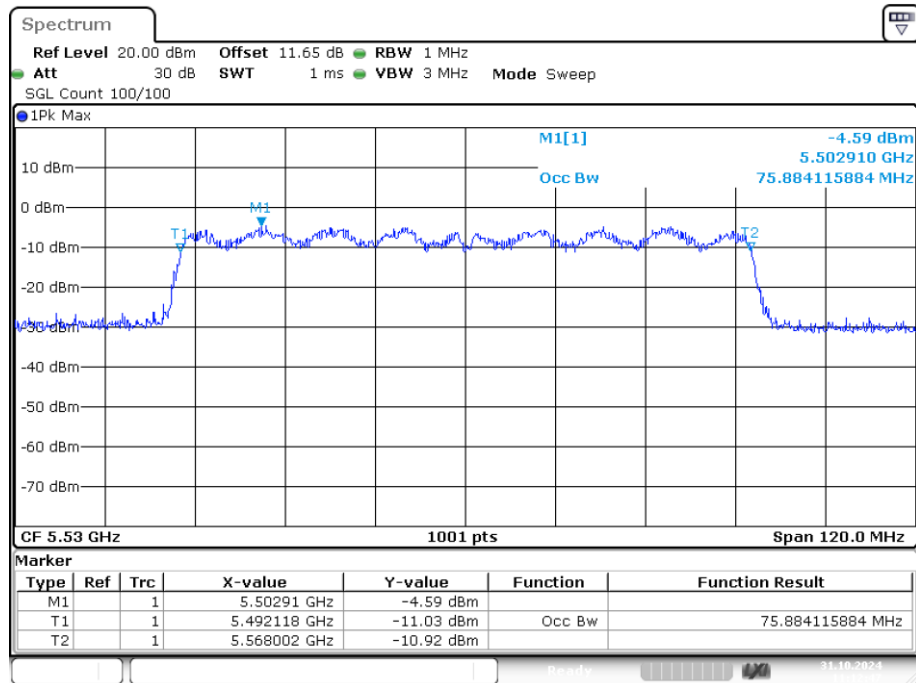
Date: 31.OCT.2024 11:08:07

OBW NVNT ac40 5670MHz Ant1



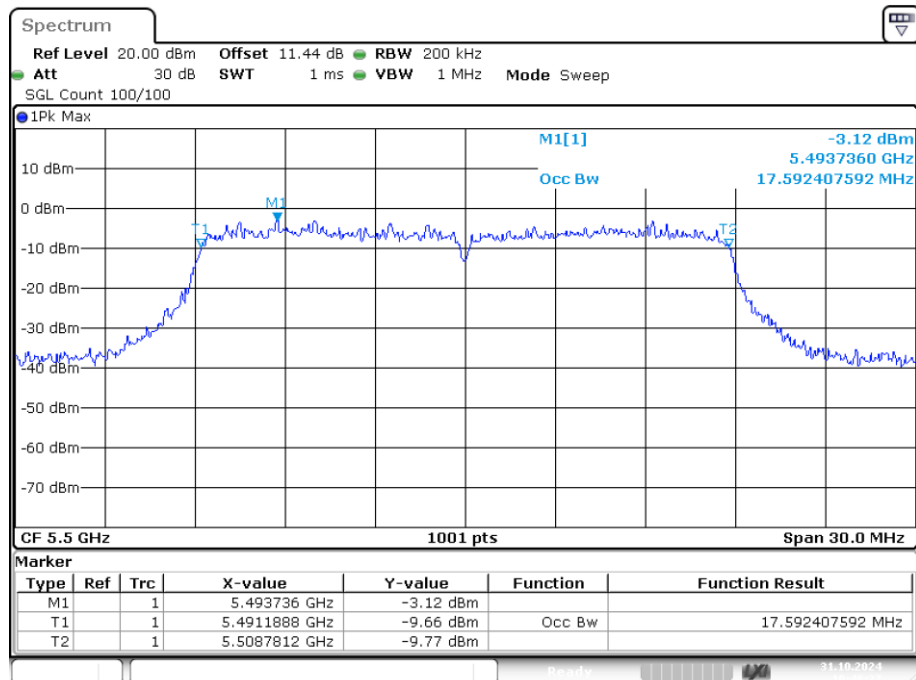
Date: 31.OCT.2024 11:09:51

OBW NVNT ac80 5530MHz Ant1



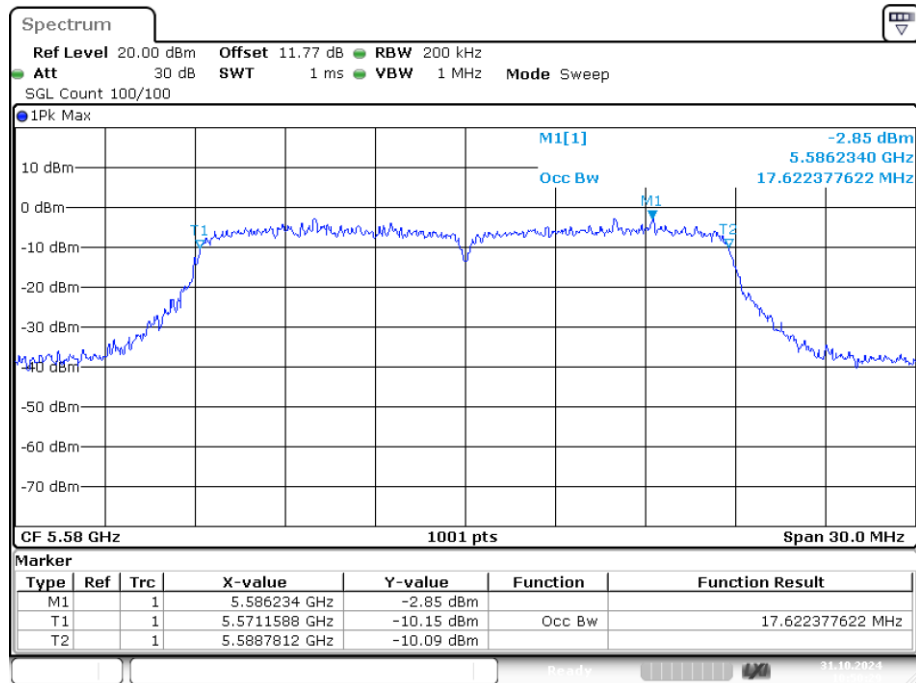
Date: 31.OCT.2024 11:12:47

OBW NVNT n20 5500MHz Ant1



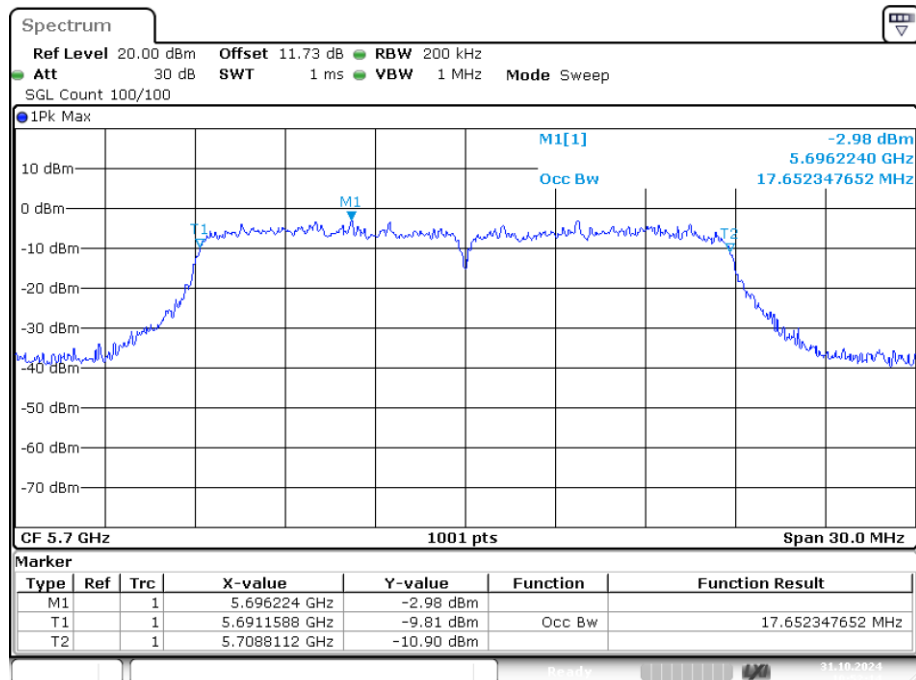
Date: 31.OCT.2024 10:48:37

OBW NVNT n20 5580MHz Ant1



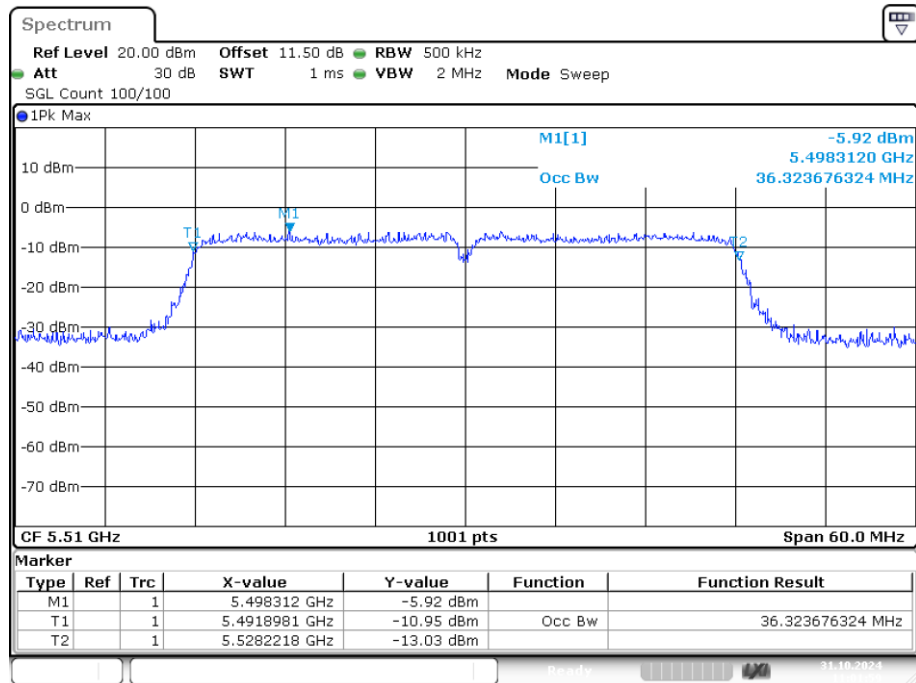
Date: 31.OCT.2024 10:50:30

OBW NVNT n20 5700MHz Ant1



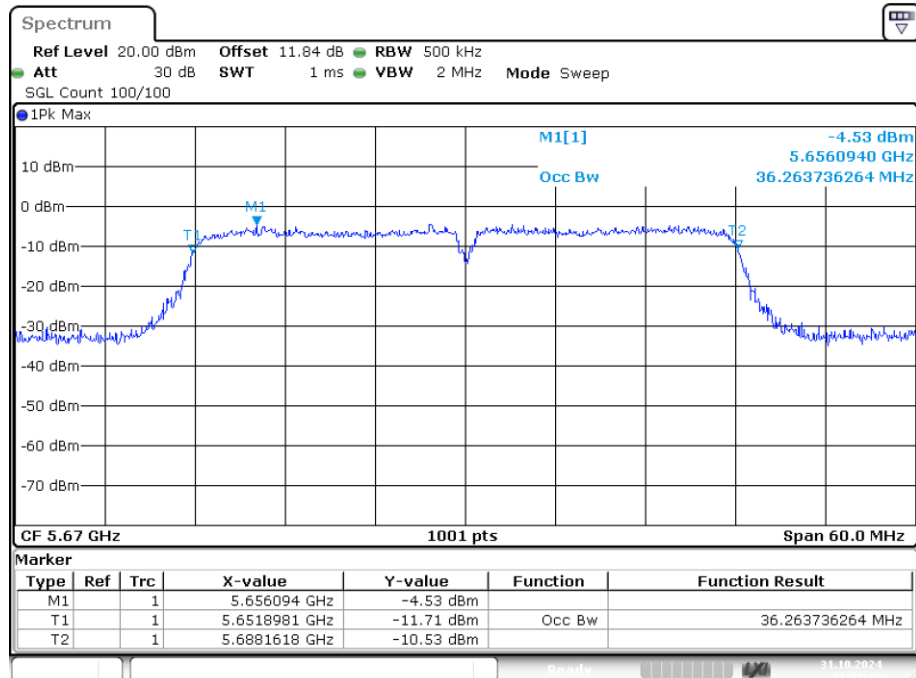
Date: 31.OCT.2024 10:52:14

OBW NVNT n40 5510MHz Ant1



Date: 31.OCT.2024 11:01:58

OBW NVNT n40 5670MHz Ant1

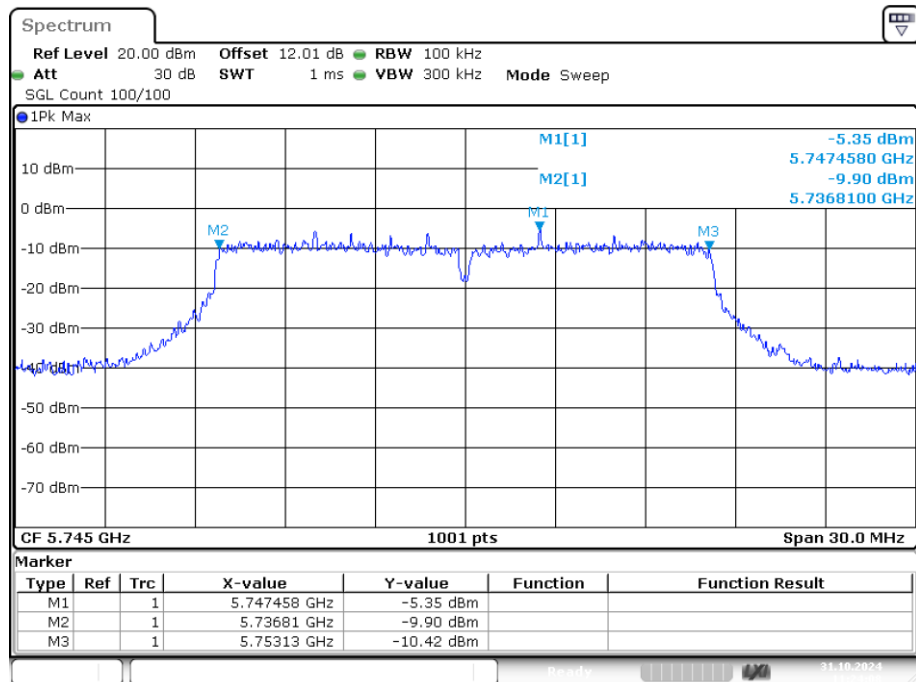


Date: 31.OCT.2024 11:05:19

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

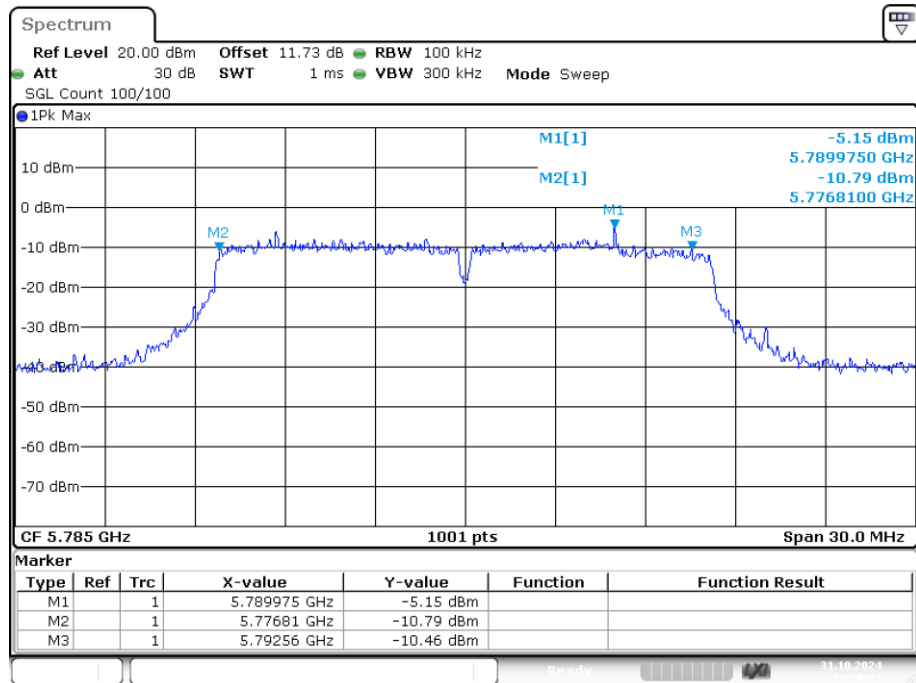
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.32	0.5	Pass
NVNT	a	5785	Ant1	15.75	0.5	Pass
NVNT	a	5825	Ant1	16.35	0.5	Pass
NVNT	ac20	5745	Ant1	16.5	0.5	Pass
NVNT	ac20	5785	Ant1	16.92	0.5	Pass
NVNT	ac20	5825	Ant1	16.68	0.5	Pass
NVNT	ac40	5755	Ant1	35.34	0.5	Pass
NVNT	ac40	5795	Ant1	35.16	0.5	Pass
NVNT	ac80	5775	Ant1	74.28	0.5	Pass
NVNT	n20	5745	Ant1	17.58	0.5	Pass
NVNT	n20	5785	Ant1	15.72	0.5	Pass
NVNT	n20	5825	Ant1	16.95	0.5	Pass
NVNT	n40	5755	Ant1	35.52	0.5	Pass
NVNT	n40	5795	Ant1	35.1	0.5	Pass

-6dB Bandwidth NVNT a 5745MHz Ant1



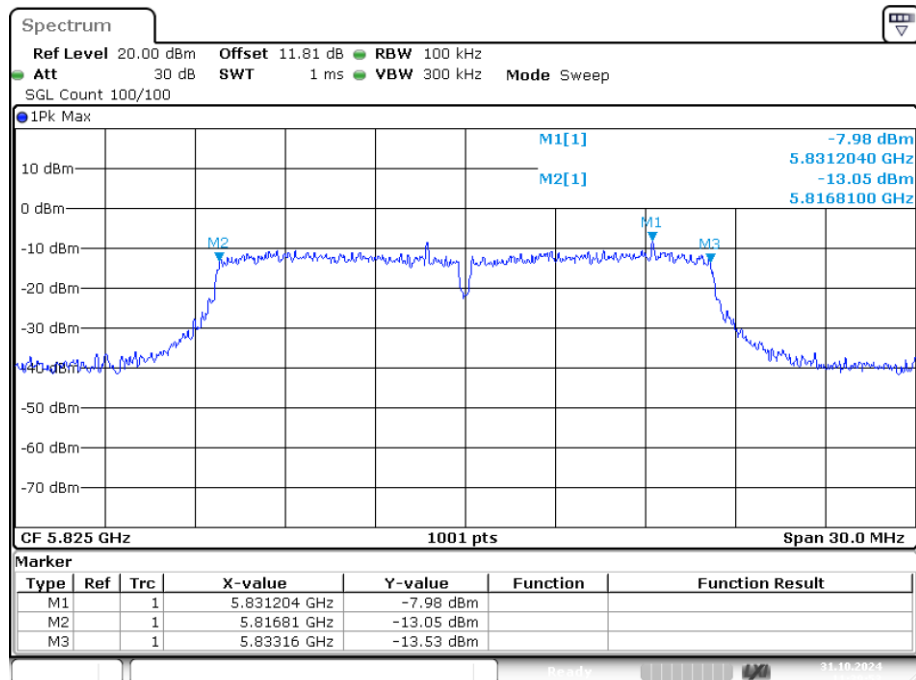
Date: 31.OCT.2024 11:24:08

-6dB Bandwidth NVNT a 5785MHz Ant1



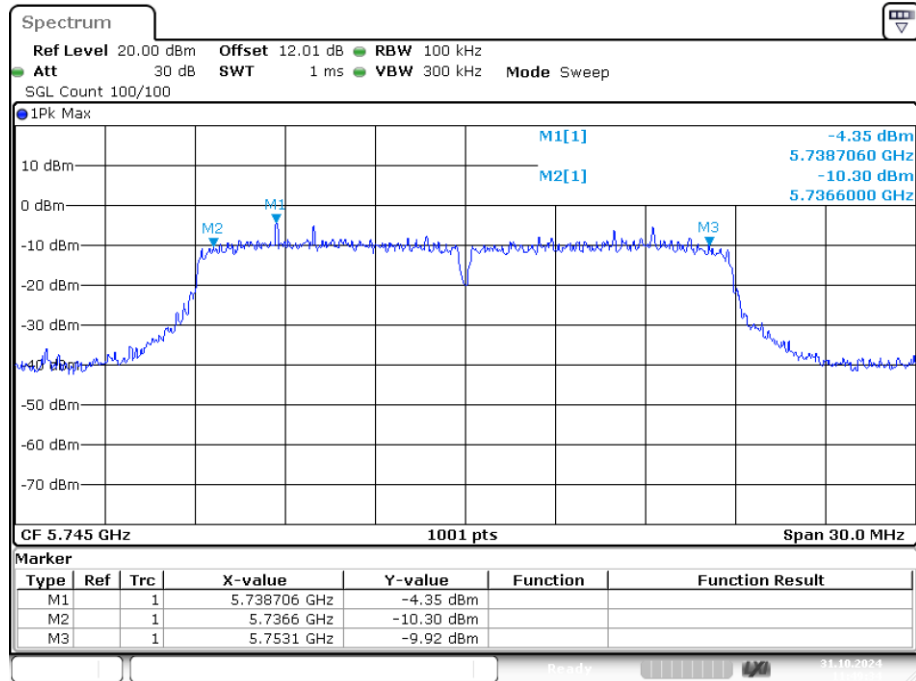
Date: 31.OCT.2024 11:38:12

-6dB Bandwidth NVNT a 5825MHz Ant1



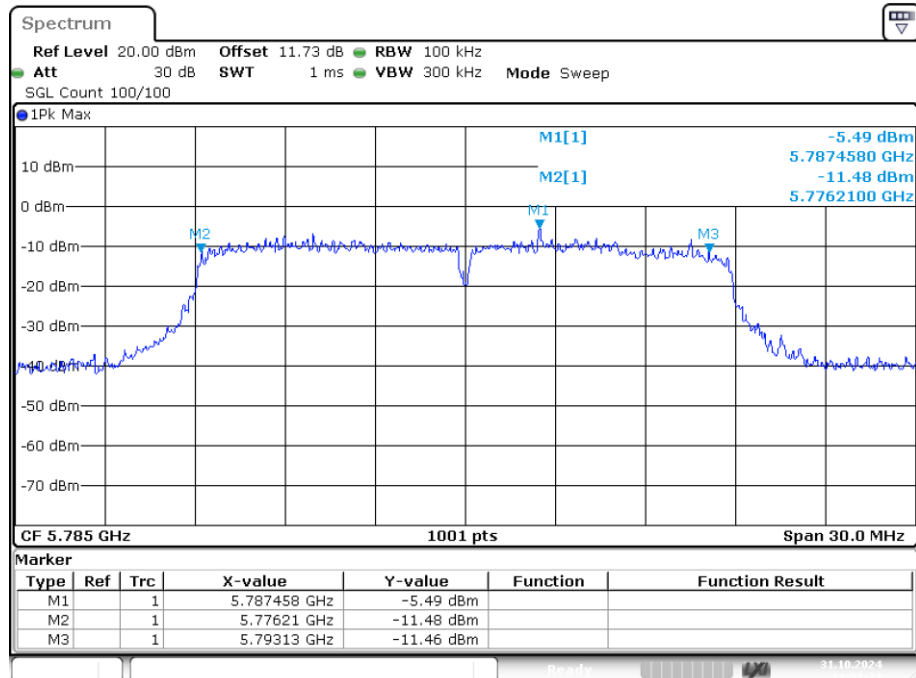
Date: 31.OCT.2024 11:39:53

-6dB Bandwidth NVNT ac20 5745MHz Ant1



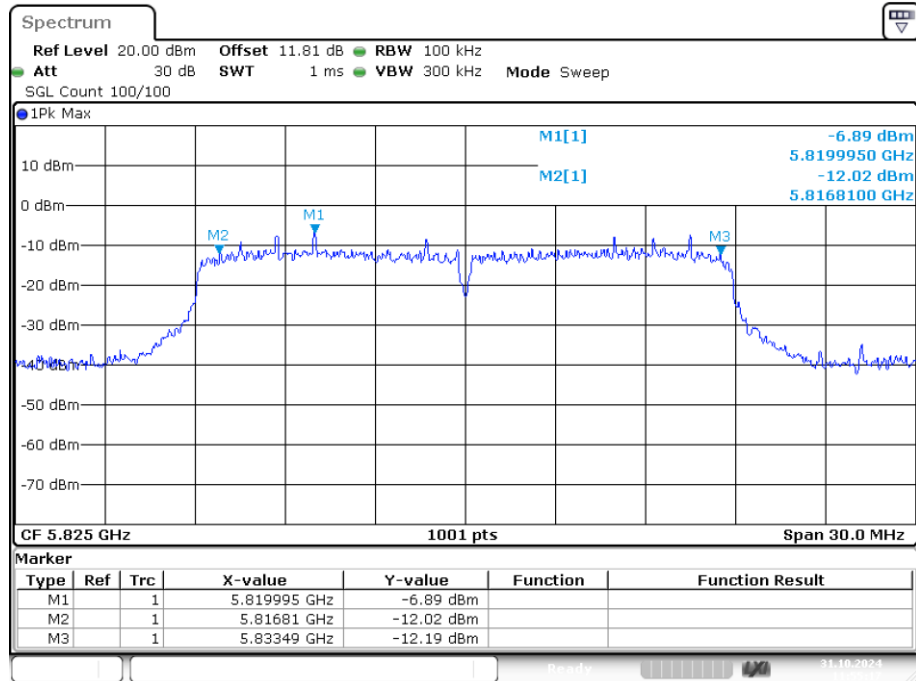
Date: 31.OCT.2024 11:49:35

-6dB Bandwidth NVNT ac20 5785MHz Ant1



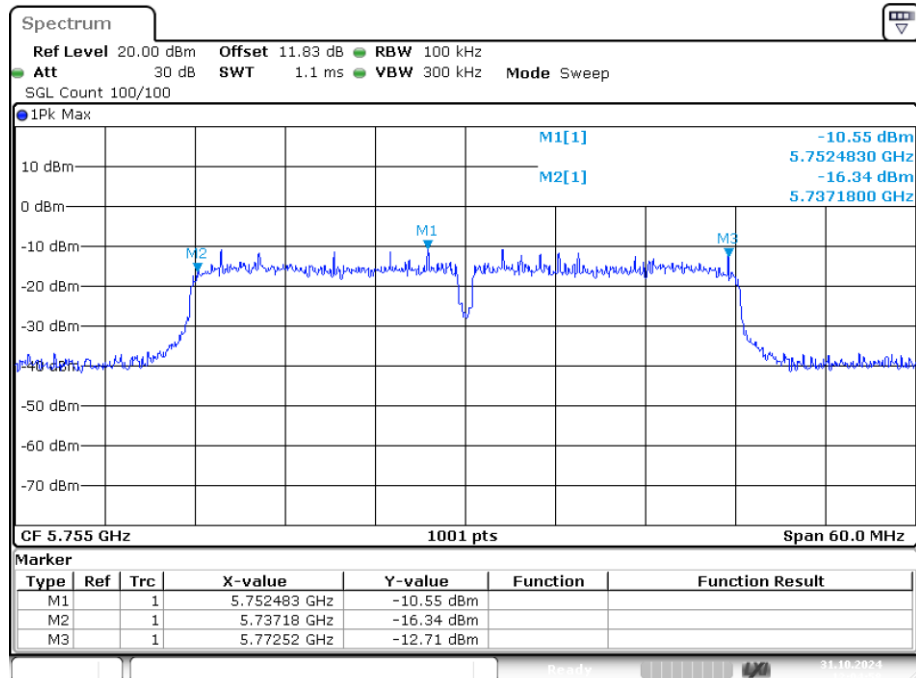
Date: 31.OCT.2024 11:53:23

-6dB Bandwidth NVNT ac20 5825MHz Ant1



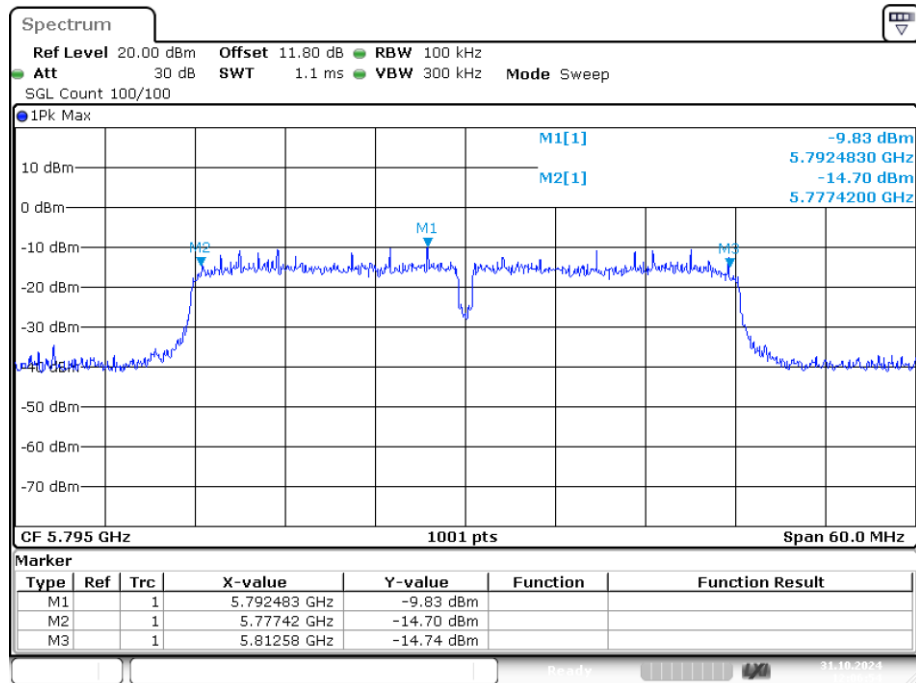
Date: 31.OCT.2024 11:55:16

-6dB Bandwidth NVNT ac40 5755MHz Ant1



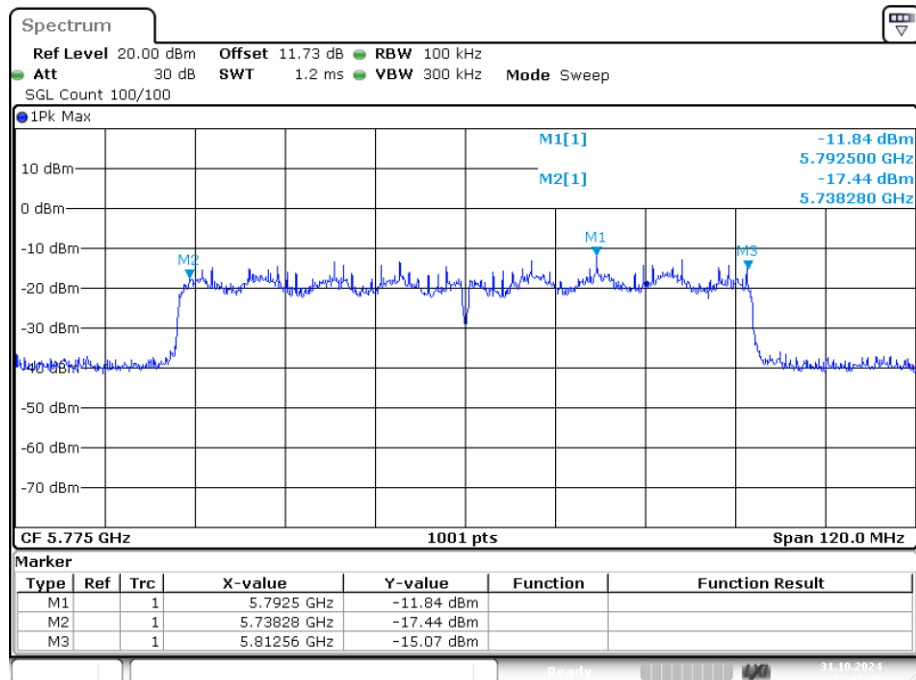
Date: 31.OCT.2024 12:04:58

-6dB Bandwidth NVNT ac40 5795MHz Ant1

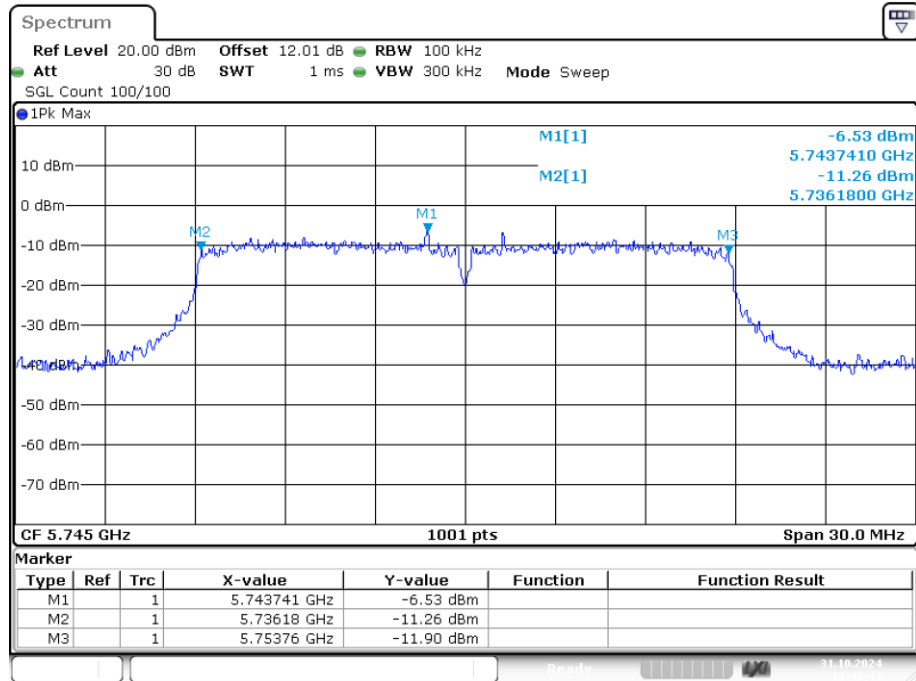


Date: 31.OCT.2024 12:06:54

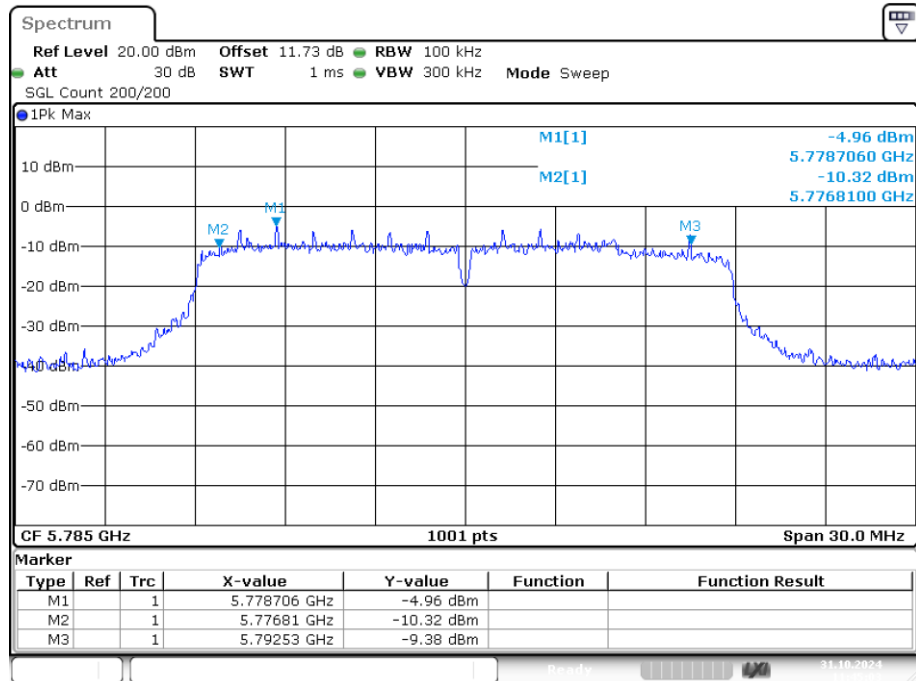
-6dB Bandwidth NVNT ac80 5775MHz Ant1



Date: 31.OCT.2024 13:47:30

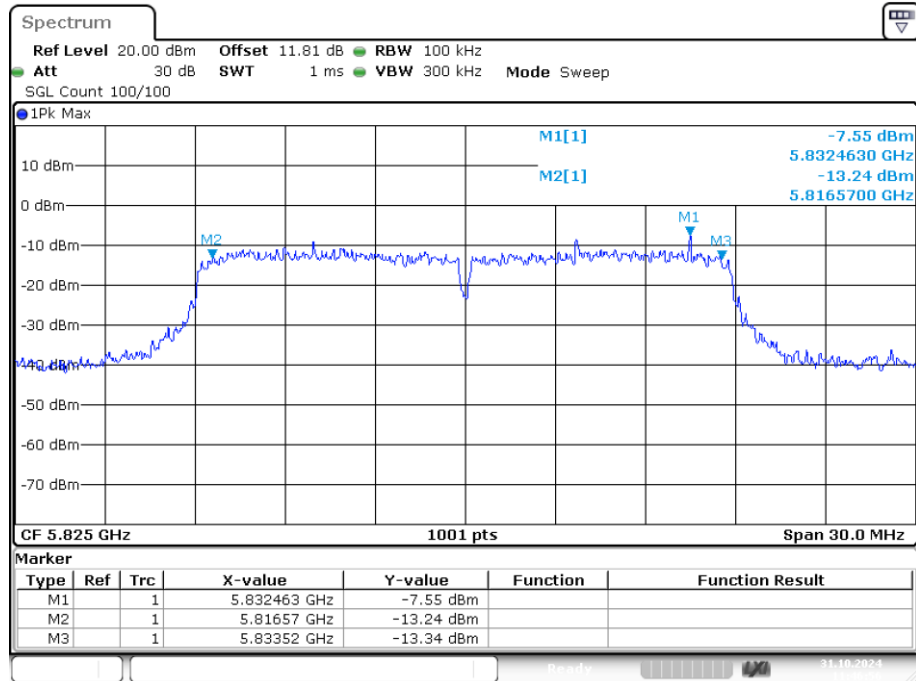
-6dB Bandwidth NVNT n20 5745MHz Ant1

Date: 31.OCT.2024 11:42:41

-6dB Bandwidth NVNT n20 5785MHz Ant1

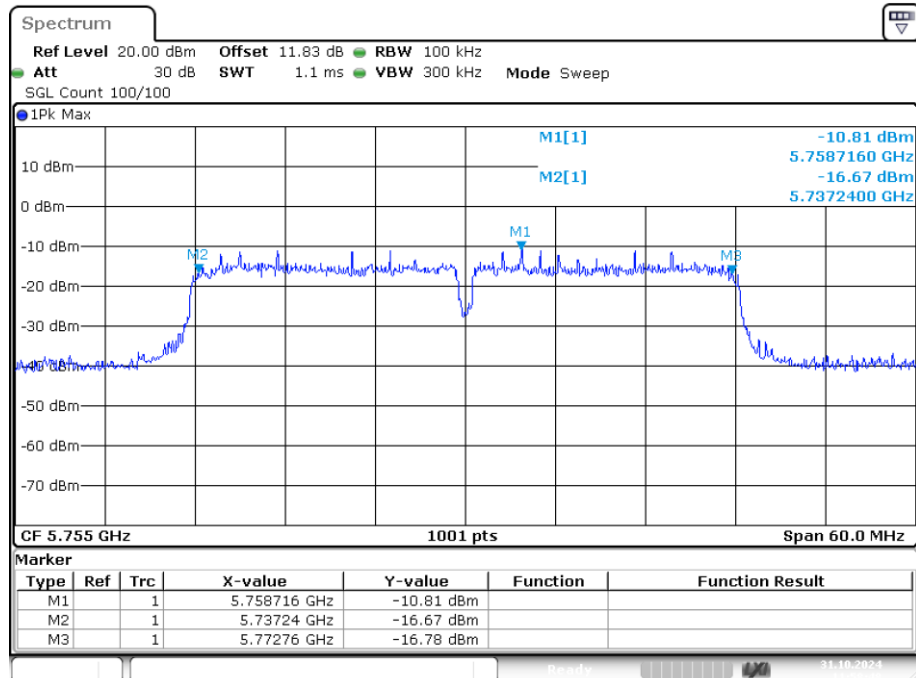
Date: 31.OCT.2024 11:45:03

-6dB Bandwidth NVNT n20 5825MHz Ant1



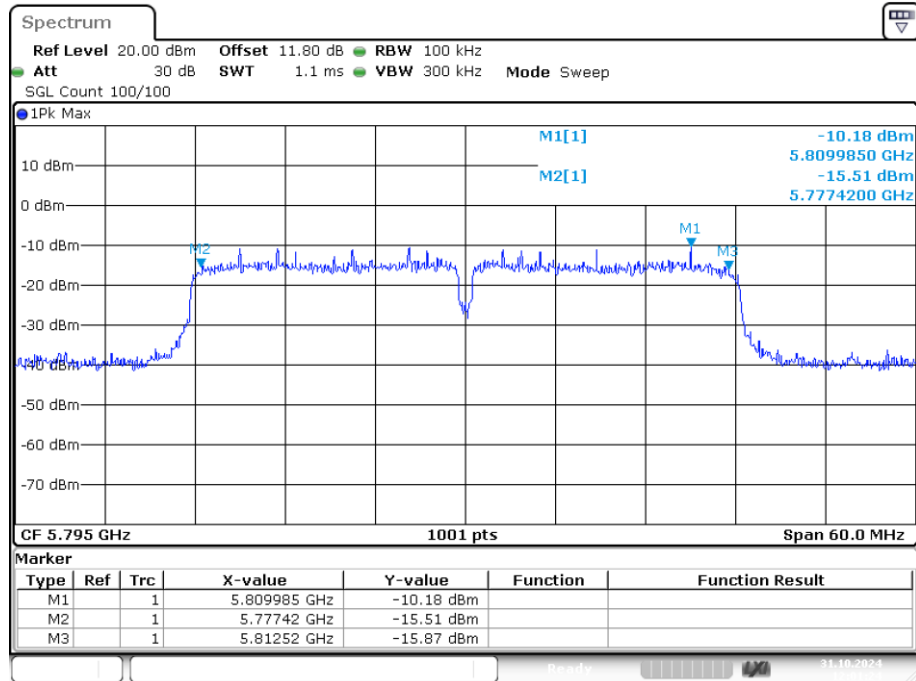
Date: 31.OCT.2024 11:46:56

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 31.OCT.2024 11:58:48

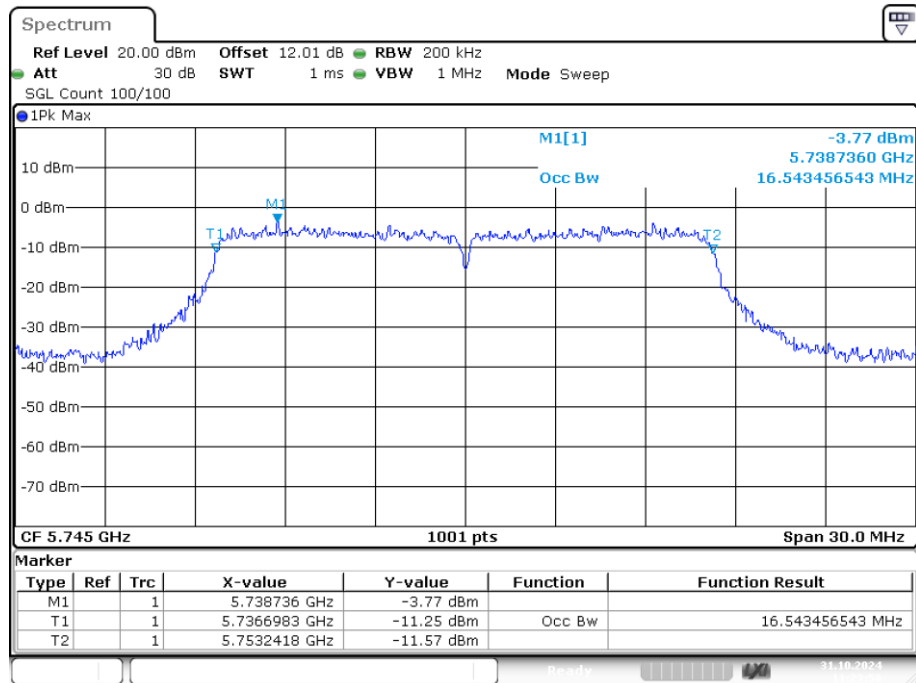
-6dB Bandwidth NVNT n40 5795MHz Ant1



Occupied Channel Bandwidth

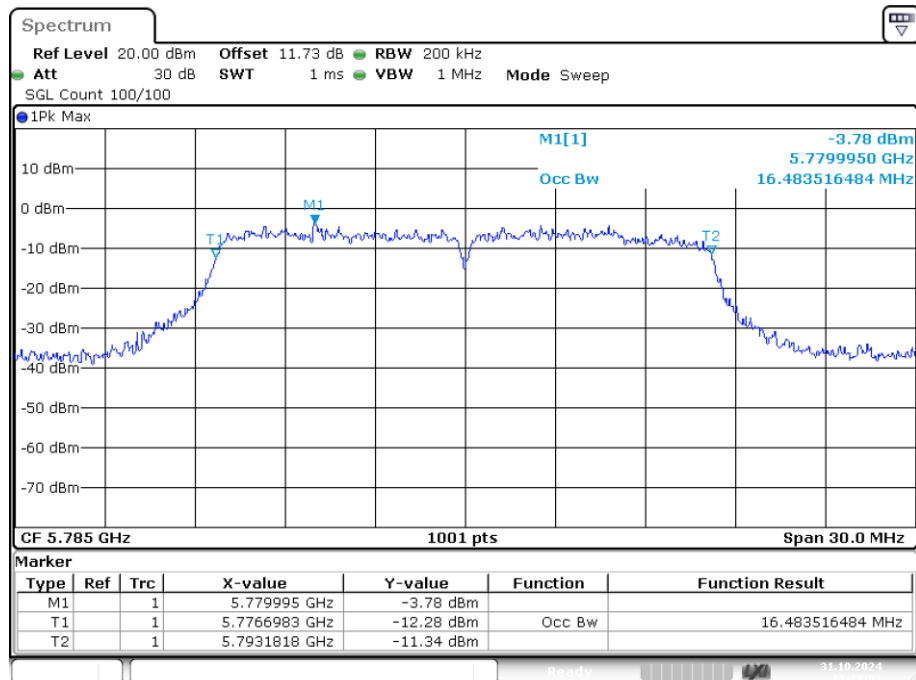
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.543
NVNT	a	5785	Ant1	16.484
NVNT	a	5825	Ant1	16.663
NVNT	ac20	5745	Ant1	17.682
NVNT	ac20	5785	Ant1	17.562
NVNT	ac20	5825	Ant1	17.652
NVNT	ac40	5755	Ant1	36.444
NVNT	ac40	5795	Ant1	36.503
NVNT	ac80	5775	Ant1	76.004
NVNT	n20	5745	Ant1	17.622
NVNT	n20	5785	Ant1	17.562
NVNT	n20	5825	Ant1	17.682
NVNT	n40	5755	Ant1	36.444
NVNT	n40	5795	Ant1	36.324

OBW NVNT a 5745MHz Ant1



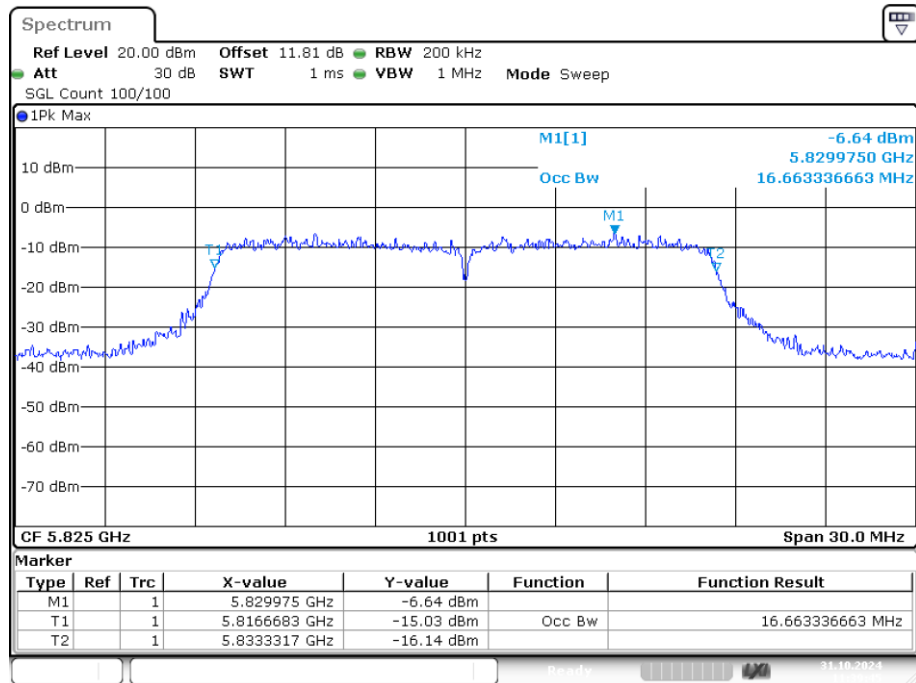
Date: 31.OCT.2024 11:23:58

OBW NVNT a 5785MHz Ant1



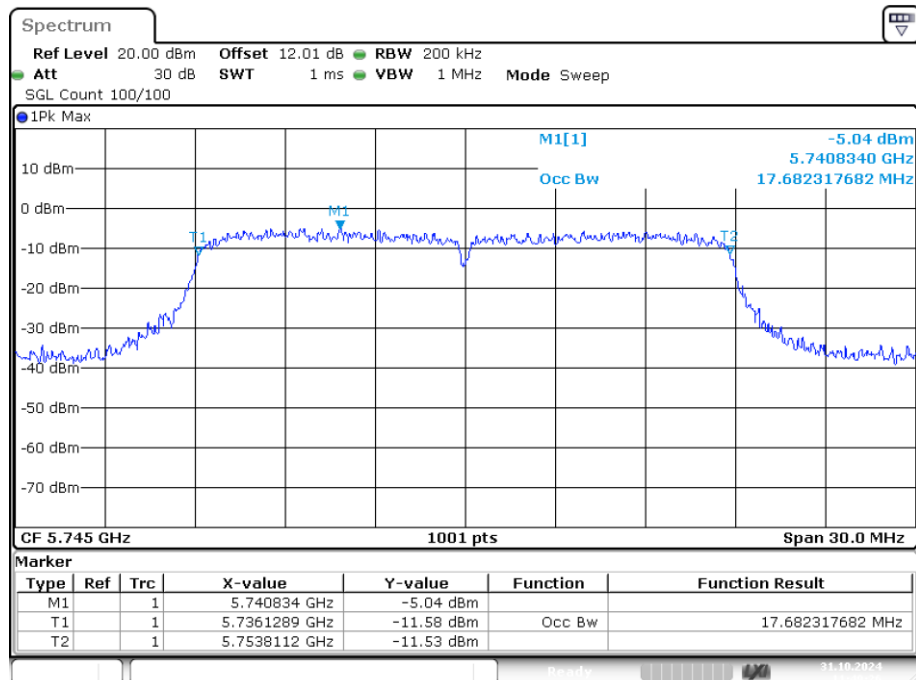
Date: 31.OCT.2024 11:38:02

OBW NVNT a 5825MHz Ant1



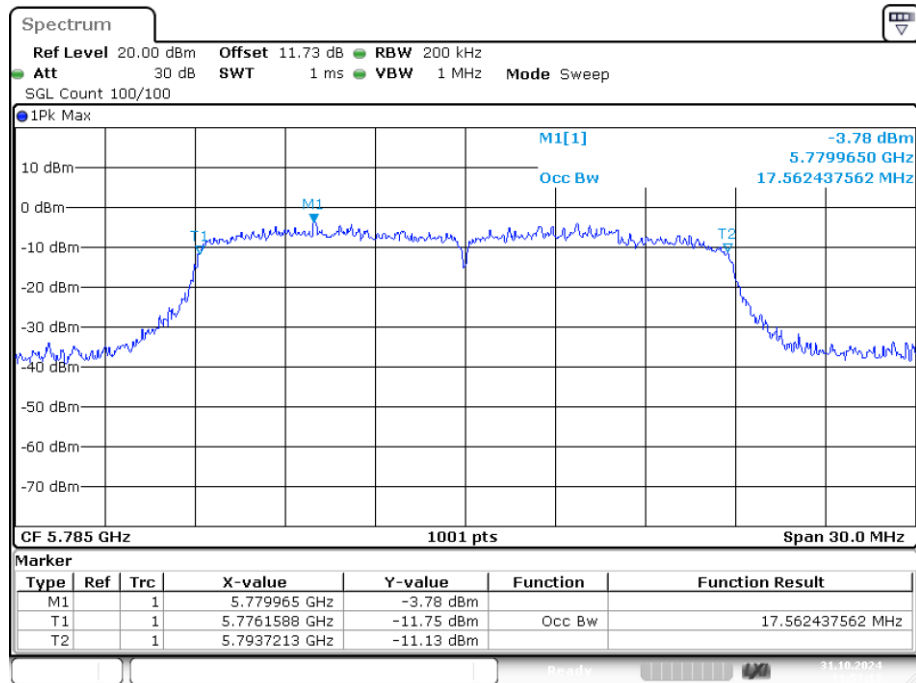
Date: 31.OCT.2024 11:39:45

OBW NVNT ac20 5745MHz Ant1



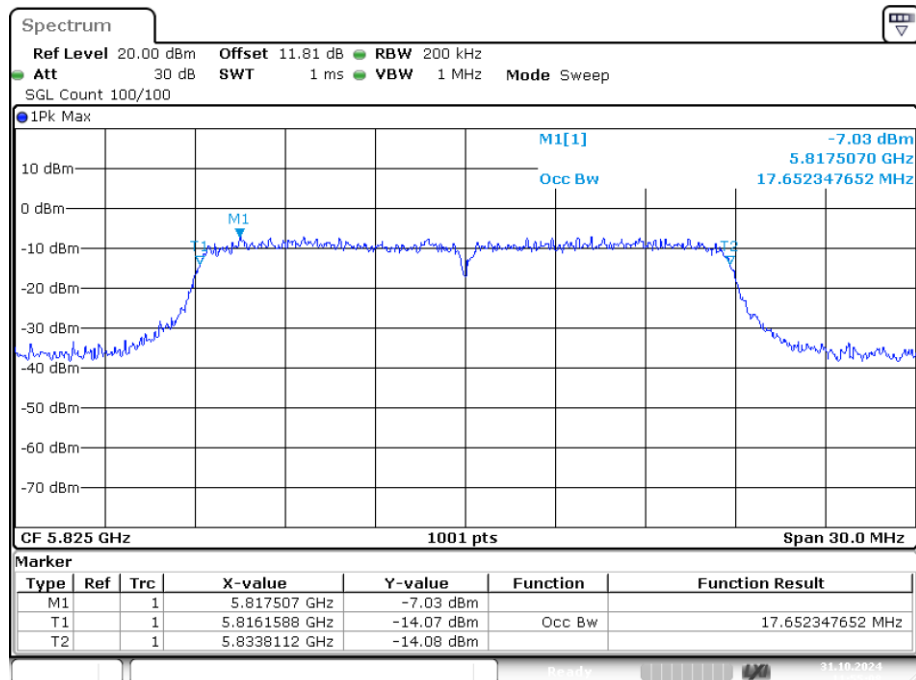
Date: 31.OCT.2024 11:49:25

OBW NVNT ac20 5785MHz Ant1



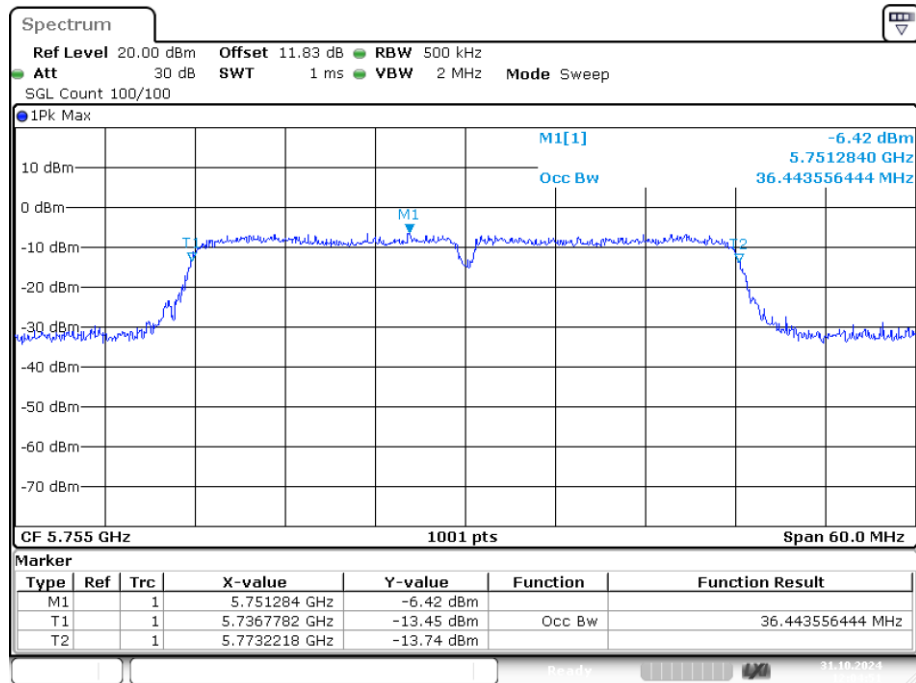
Date: 31.OCT.2024 11:53:12

OBW NVNT ac20 5825MHz Ant1



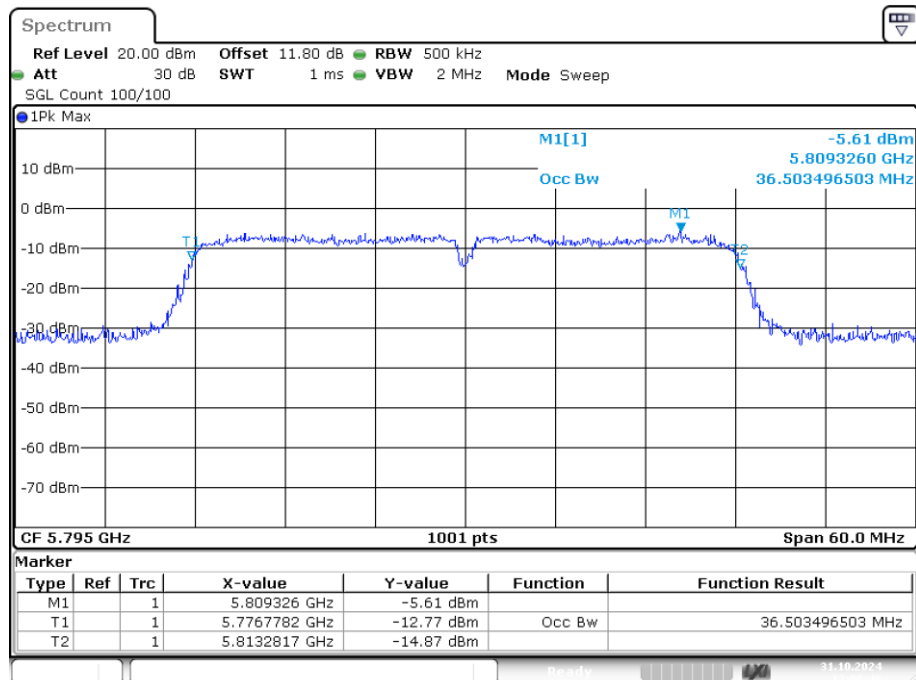
Date: 31.OCT.2024 11:55:08

OBW NVNT ac40 5755MHz Ant1



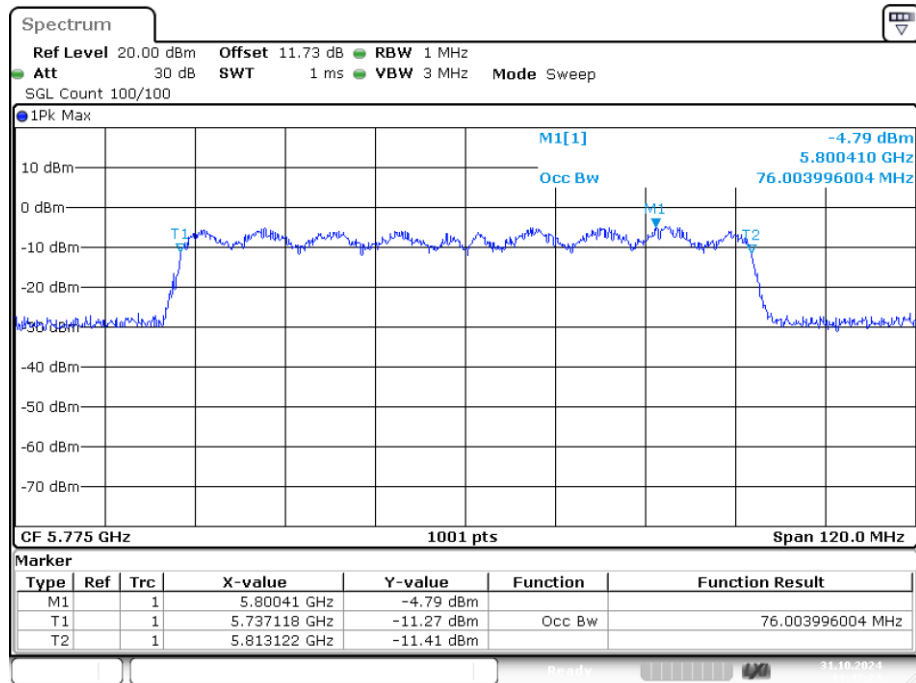
Date: 31.OCT.2024 12:04:51

OBW NVNT ac40 5795MHz Ant1



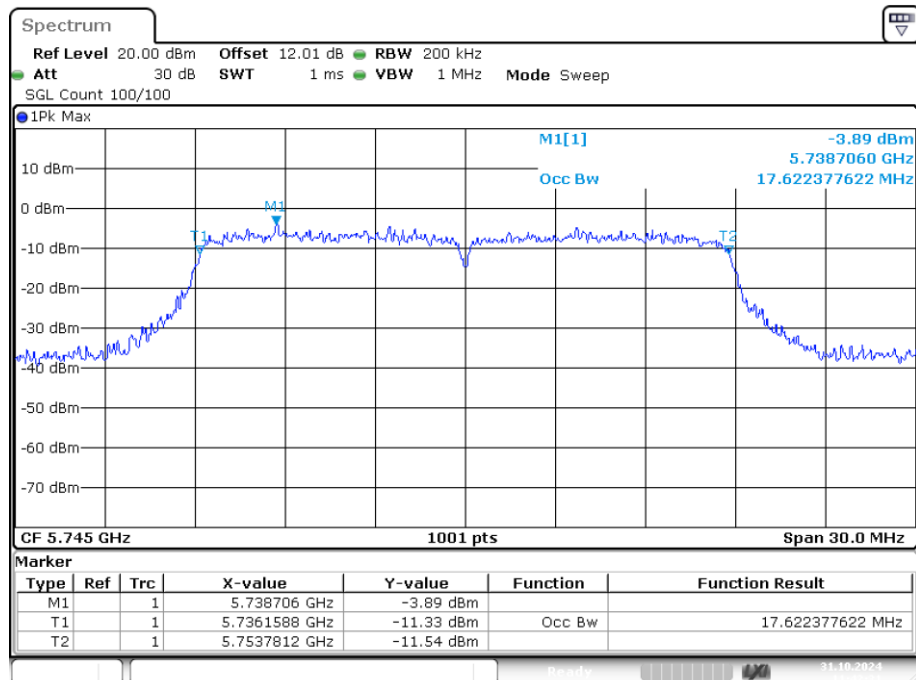
Date: 31.OCT.2024 12:06:46

OBW NVNT ac80 5775MHz Ant1



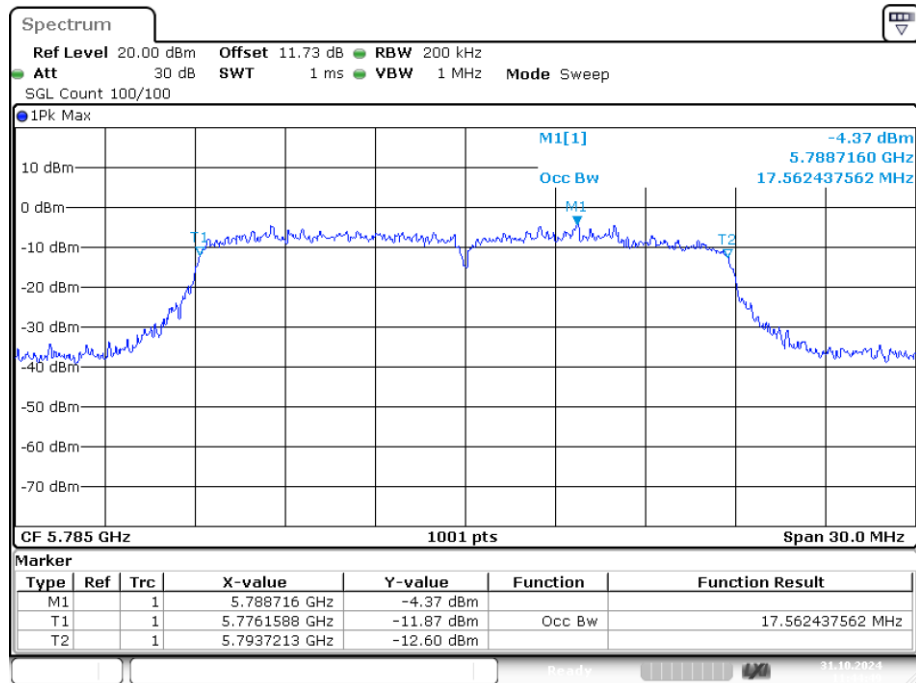
Date: 31.OCT.2024 13:47:23

OBW NVNT n20 5745MHz Ant1



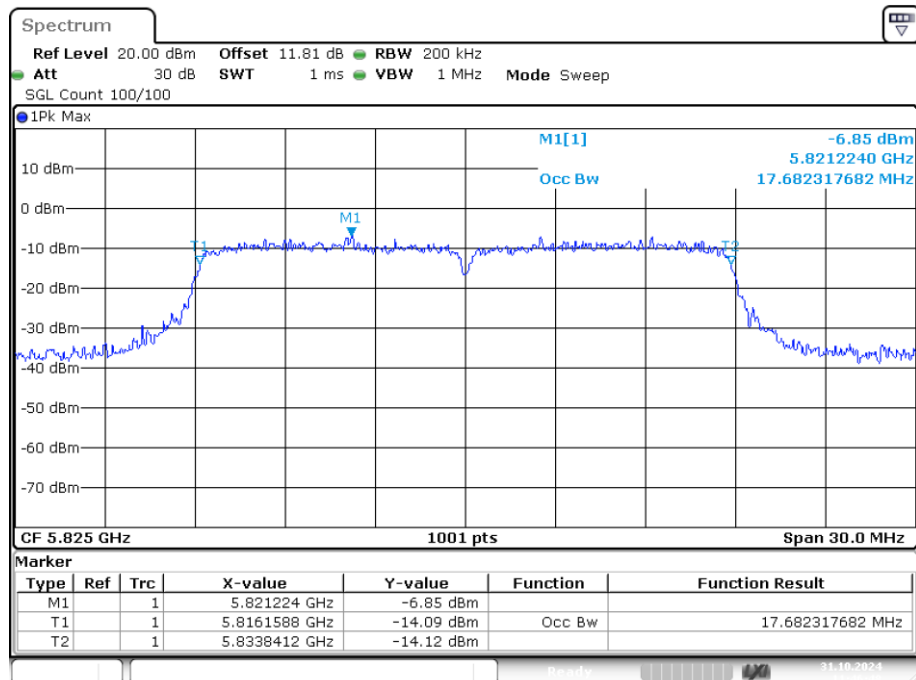
Date: 31.OCT.2024 11:42:31

OBW NVNT n20 5785MHz Ant1



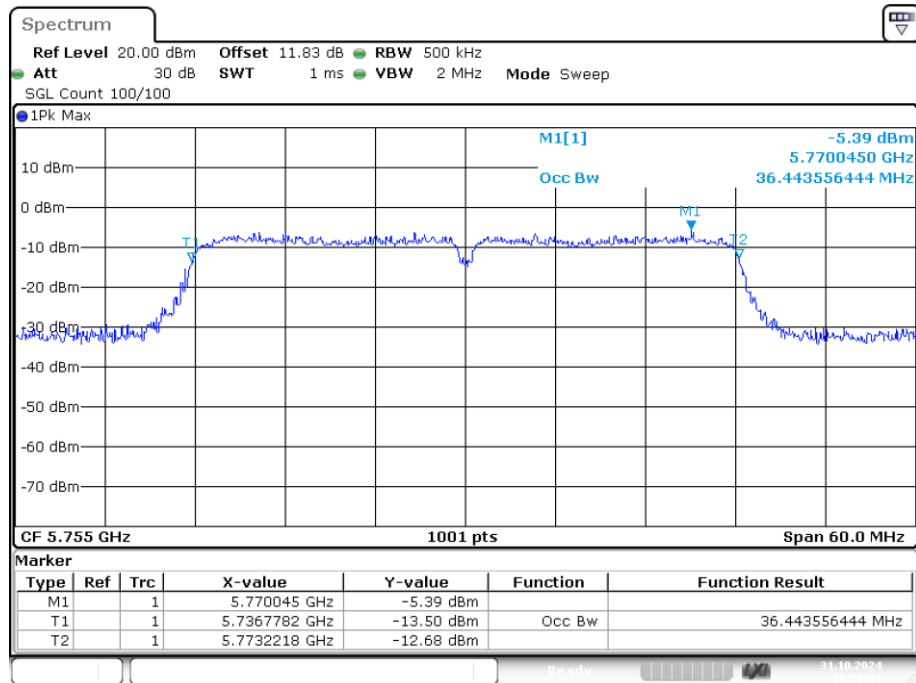
Date: 31.OCT.2024 11:44:49

OBW NVNT n20 5825MHz Ant1



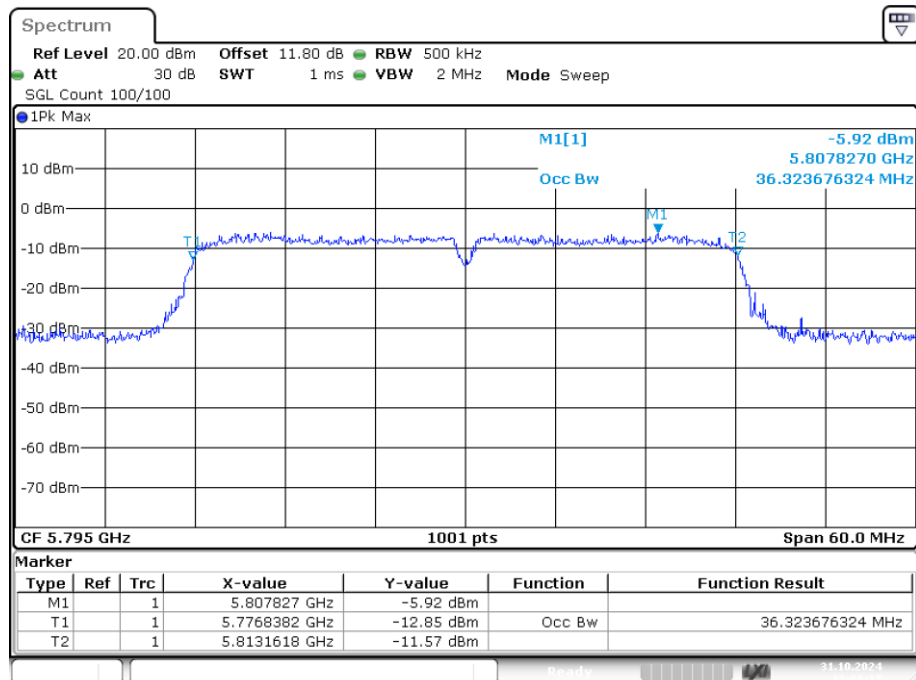
Date: 31.OCT.2024 11:46:48

OBW NVNT n40 5755MHz Ant1



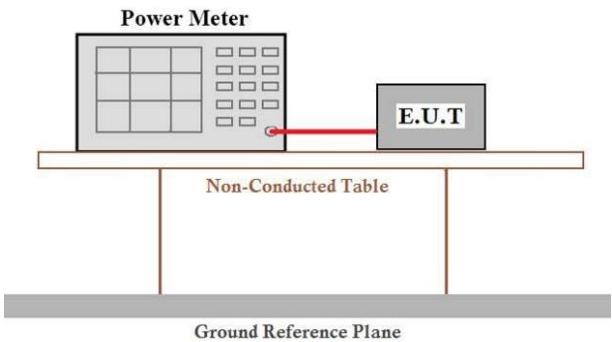
Date: 31.OCT.2024 11:58:40

OBW NVNT n40 5795MHz Ant1



Date: 31.OCT.2024 12:01:17

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 via a red cable to an 'E.U.T.' (Equipment Under Test). Both are placed on a 'Non-Conducted Table'. The table is supported by two vertical legs and sits on 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 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)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.466	24	Pass
NVNT	a	5200	Ant1	12.122	24	Pass
NVNT	a	5240	Ant1	13.637	24	Pass
NVNT	ac20	5180	Ant1	12.536	24	Pass
NVNT	ac20	5200	Ant1	13.03	24	Pass
NVNT	ac20	5240	Ant1	12.598	24	Pass
NVNT	ac40	5190	Ant1	13.94	24	Pass
NVNT	ac40	5230	Ant1	14.21	24	Pass
NVNT	ac80	5210	Ant1	14.425	24	Pass
NVNT	n20	5180	Ant1	12.998	24	Pass
NVNT	n20	5200	Ant1	12.803	24	Pass
NVNT	n20	5240	Ant1	13.652	24	Pass
NVNT	n40	5190	Ant1	13.102	24	Pass
NVNT	n40	5230	Ant1	13.96	24	Pass

Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	14.541	24	Pass
NVNT	a	5280	Ant1	14.314	24	Pass
NVNT	a	5320	Ant1	14.247	24	Pass
NVNT	ac20	5260	Ant1	13.482	24	Pass
NVNT	ac20	5280	Ant1	12.996	24	Pass
NVNT	ac20	5320	Ant1	13.516	24	Pass
NVNT	ac40	5270	Ant1	13.882	24	Pass
NVNT	ac40	5310	Ant1	13.785	24	Pass
NVNT	ac80	5290	Ant1	13.682	24	Pass
NVNT	n20	5260	Ant1	13.848	24	Pass
NVNT	n20	5280	Ant1	14.373	24	Pass
NVNT	n20	5320	Ant1	14.46	24	Pass
NVNT	n40	5270	Ant1	13.696	24	Pass
NVNT	n40	5310	Ant1	13.114	24	Pass

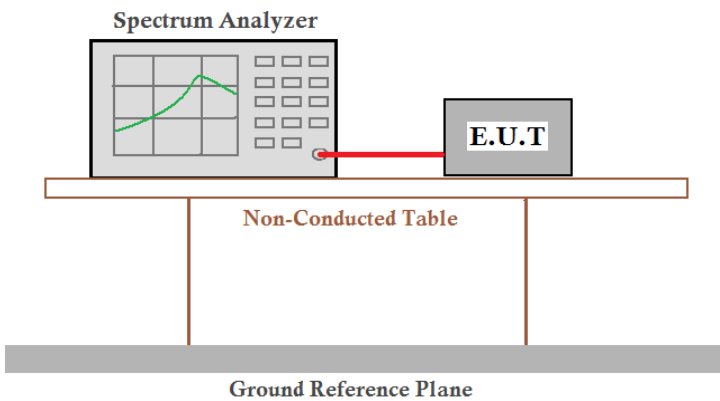
Band 3 (5740 -5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	13.503	24	Pass
NVNT	a	5580	Ant1	13.366	24	Pass
NVNT	a	5700	Ant1	13.292	24	Pass
NVNT	ac20	5500	Ant1	14.204	24	Pass
NVNT	ac20	5580	Ant1	14.116	24	Pass
NVNT	ac20	5700	Ant1	13.948	24	Pass
NVNT	ac40	5510	Ant1	14.292	24	Pass
NVNT	ac40	5670	Ant1	14.864	24	Pass
NVNT	ac80	5530	Ant1	12.99	24	Pass
NVNT	n20	5500	Ant1	13.36	24	Pass
NVNT	n20	5580	Ant1	13.688	24	Pass
NVNT	n20	5700	Ant1	13.78	24	Pass
NVNT	n40	5510	Ant1	12.87	24	Pass
NVNT	n40	5670	Ant1	14.289	24	Pass

Band 4 (5725 – 5850 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.175	30	Pass
NVNT	a	5785	Ant1	13.026	30	Pass
NVNT	a	5825	Ant1	12.201	30	Pass
NVNT	ac20	5745	Ant1	12.819	30	Pass
NVNT	ac20	5785	Ant1	12.953	30	Pass
NVNT	ac20	5825	Ant1	12.633	30	Pass
NVNT	ac40	5755	Ant1	12.529	30	Pass
NVNT	ac40	5795	Ant1	12.818	30	Pass
NVNT	ac80	5775	Ant1	12.837	30	Pass
NVNT	n20	5745	Ant1	12.669	30	Pass
NVNT	n20	5785	Ant1	12.634	30	Pass
NVNT	n20	5825	Ant1	12.245	30	Pass
NVNT	n40	5755	Ant1	12.497	30	Pass
NVNT	n40	5795	Ant1	12.803	30	Pass

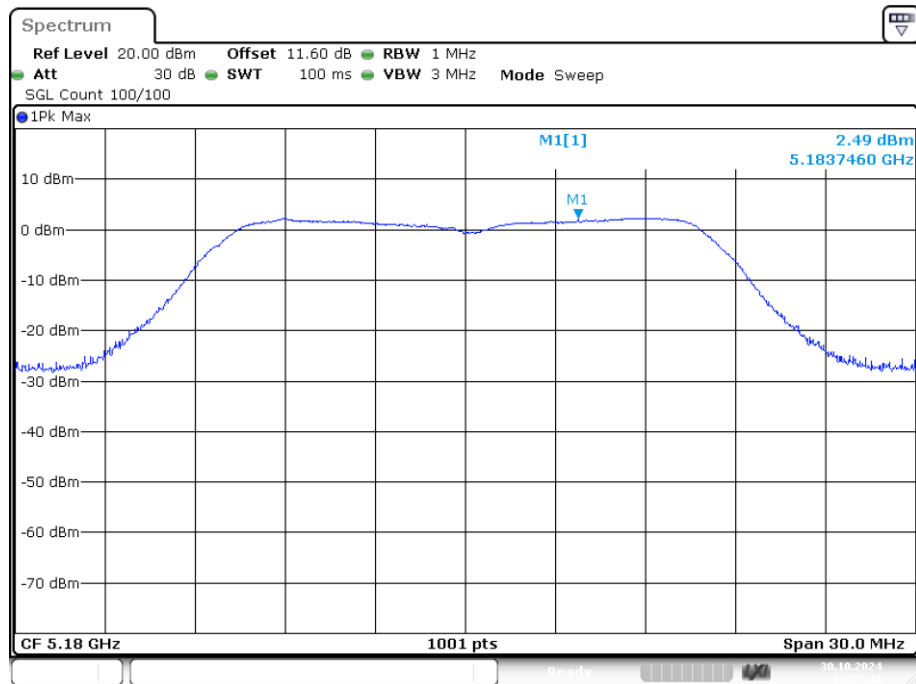
4.5 Power Spectral Density

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 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 3 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

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

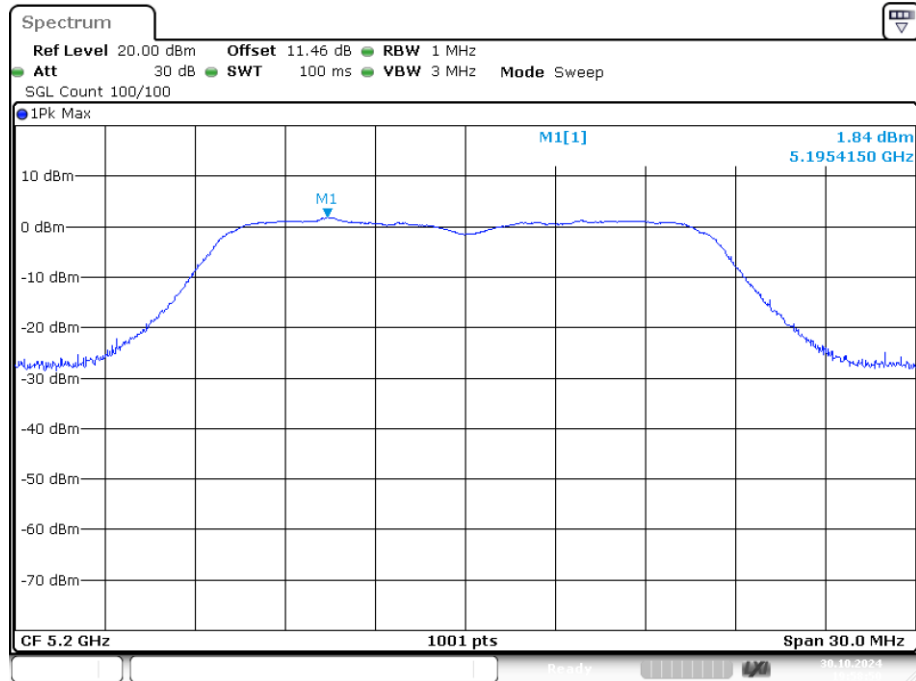
Condition	Mode	Frequency (MHz)	Antenna	EIRP PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.488	11	Pass
NVNT	a	5200	Ant1	1.838	11	Pass
NVNT	a	5240	Ant1	2.4	11	Pass
NVNT	ac20	5180	Ant1	0.411	11	Pass
NVNT	ac20	5200	Ant1	1.592	11	Pass
NVNT	ac20	5240	Ant1	1.727	11	Pass
NVNT	ac40	5190	Ant1	-0.675	11	Pass
NVNT	ac40	5230	Ant1	1.018	11	Pass
NVNT	ac80	5210	Ant1	-4.03	11	Pass
NVNT	n20	5180	Ant1	2.394	11	Pass
NVNT	n20	5200	Ant1	1.577	11	Pass
NVNT	n20	5240	Ant1	2.23	11	Pass
NVNT	n40	5190	Ant1	-0.624	11	Pass
NVNT	n40	5230	Ant1	-0.395	11	Pass

PSD NVNT a 5180MHz Ant1



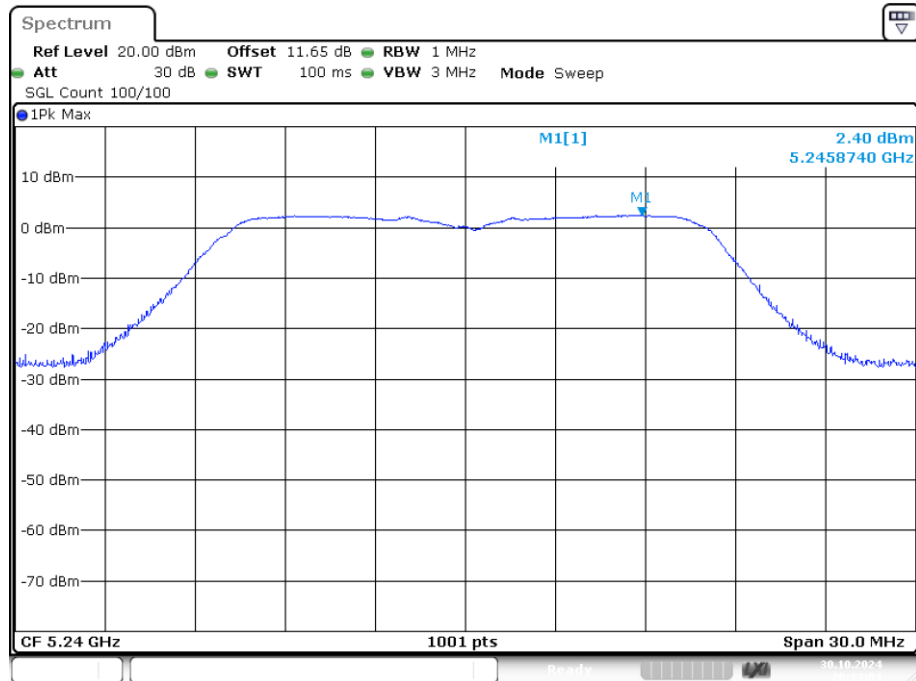
Date: 30.OCT.2024 19:55:40

PSD NVNT a 5200MHz Ant1



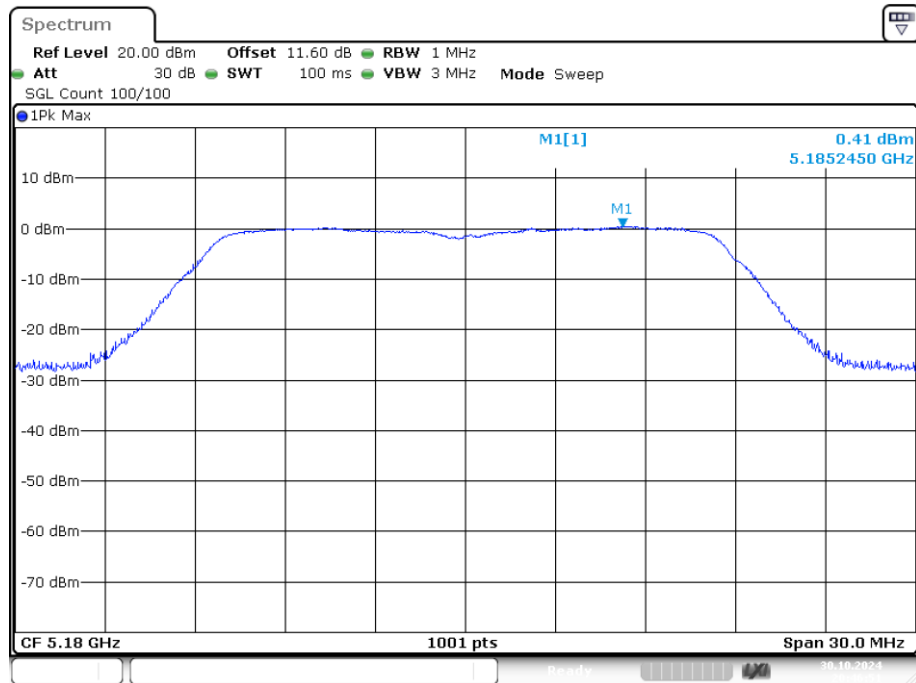
Date: 30.OCT.2024 19:58:50

PSD NVNT a 5240MHz Ant1



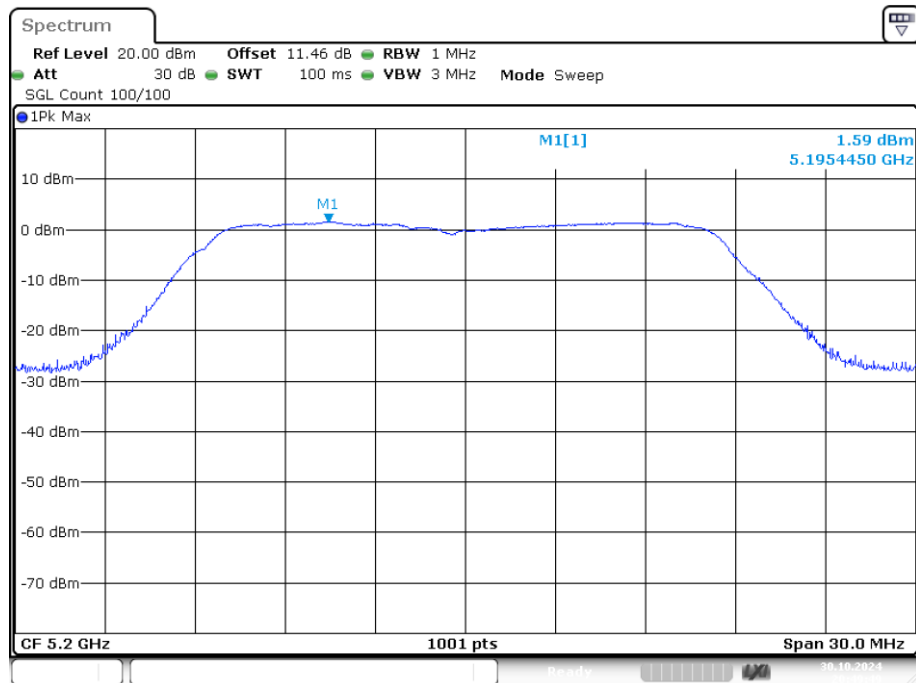
Date: 30.OCT.2024 20:14:04

PSD NVNT ac20 5180MHz Ant1



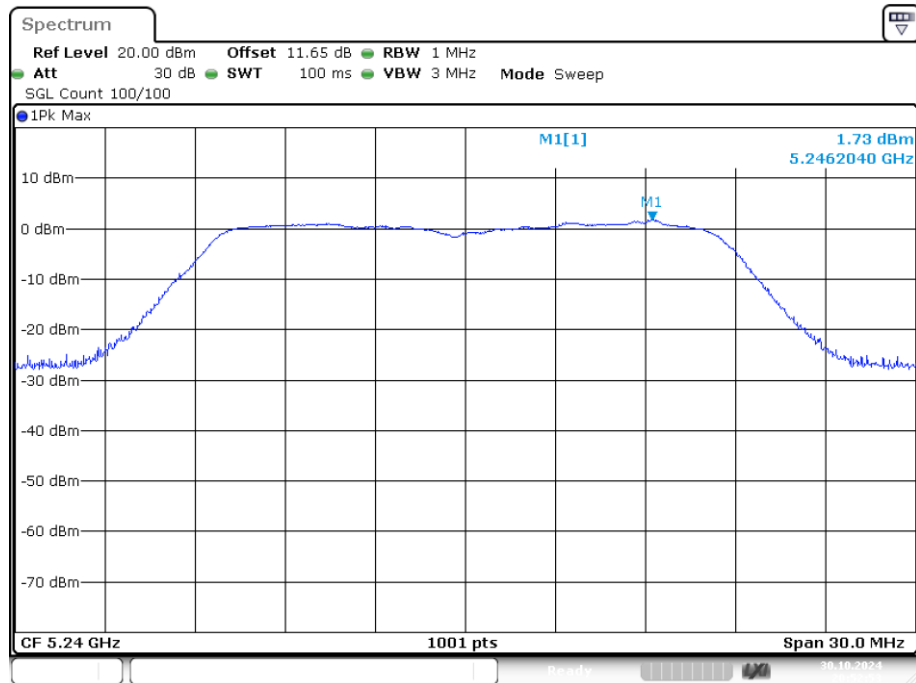
Date: 30.OCT.2024 20:46:50

PSD NVNT ac20 5200MHz Ant1



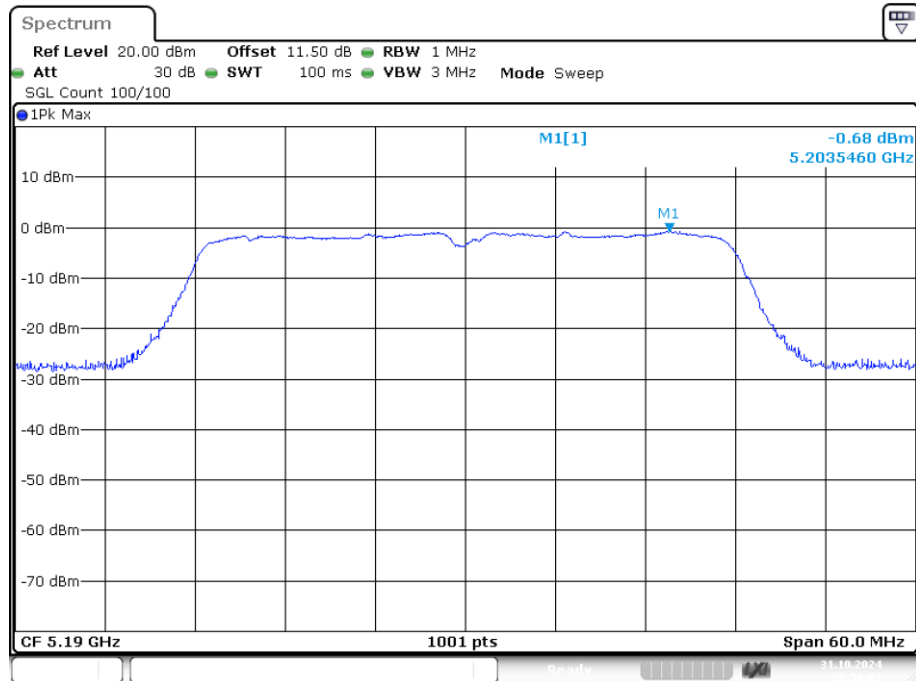
Date: 30.OCT.2024 20:49:49

PSD NVNT ac20 5240MHz Ant1



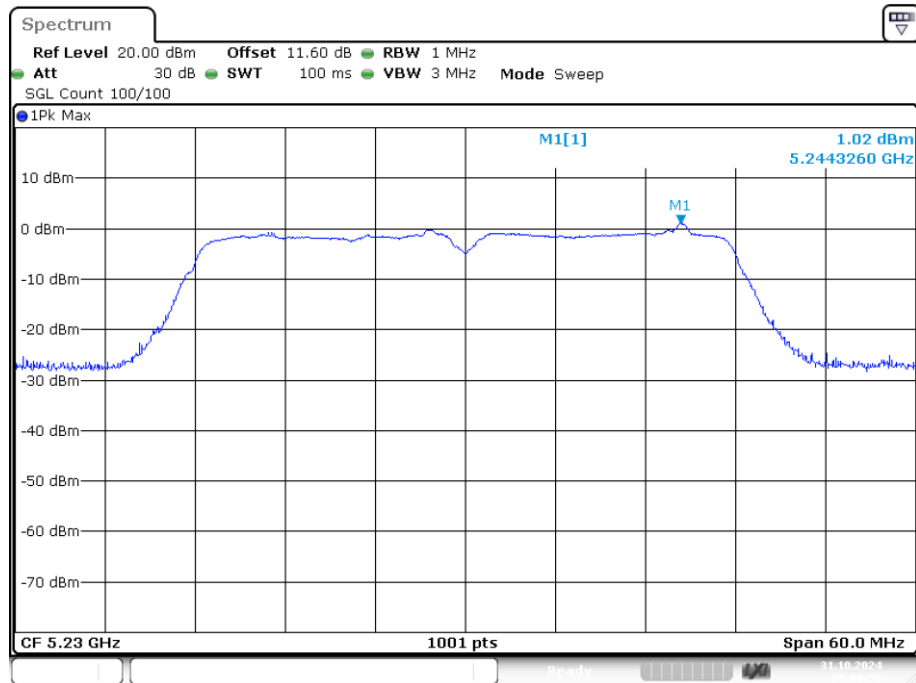
Date: 30.OCT.2024 20:52:54

PSD NVNT ac40 5190MHz Ant1



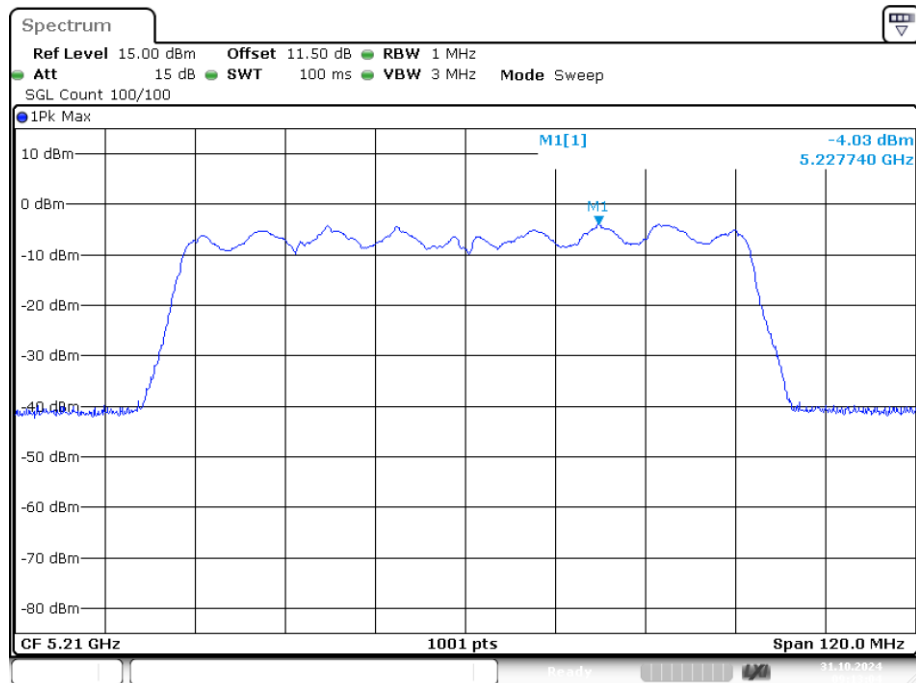
Date: 31.OCT.2024 08:56:03

PSD NVNT ac40 5230MHz Ant1



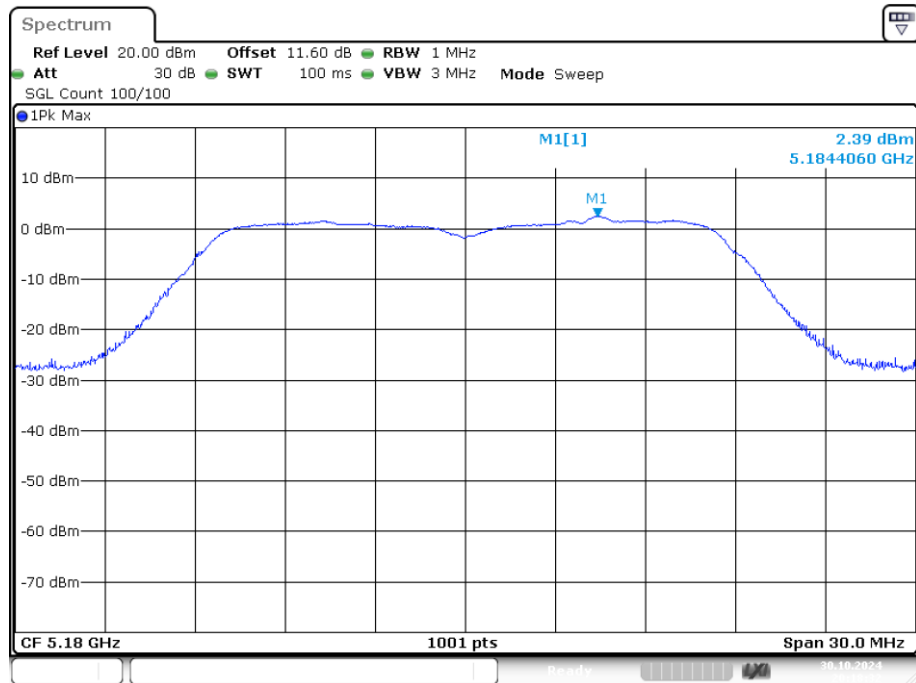
Date: 31.OCT.2024 09:09:55

PSD NVNT ac80 5210MHz Ant1



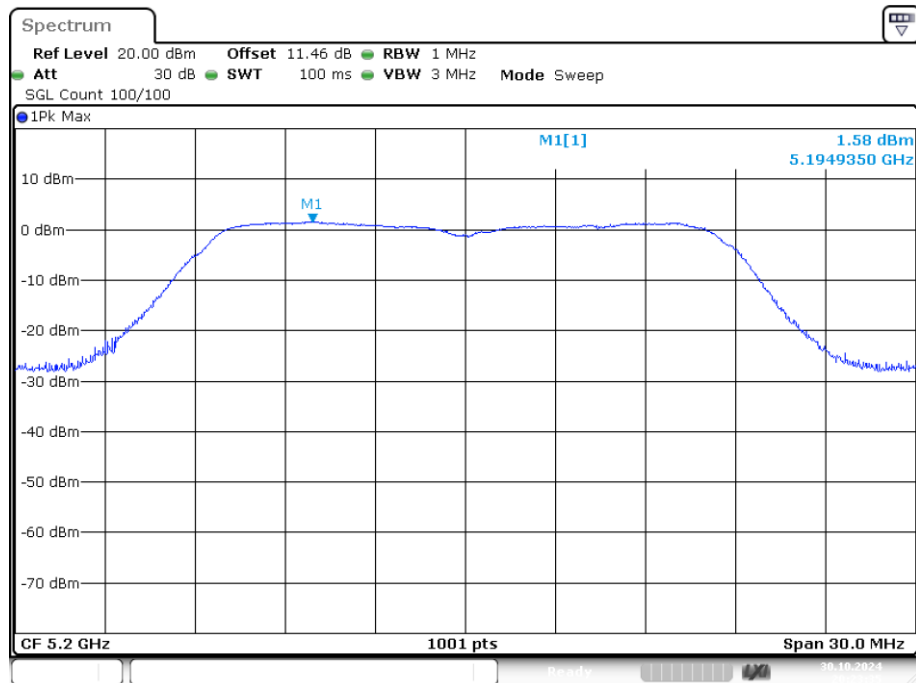
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PSD NVNT n20 5180MHz Ant1



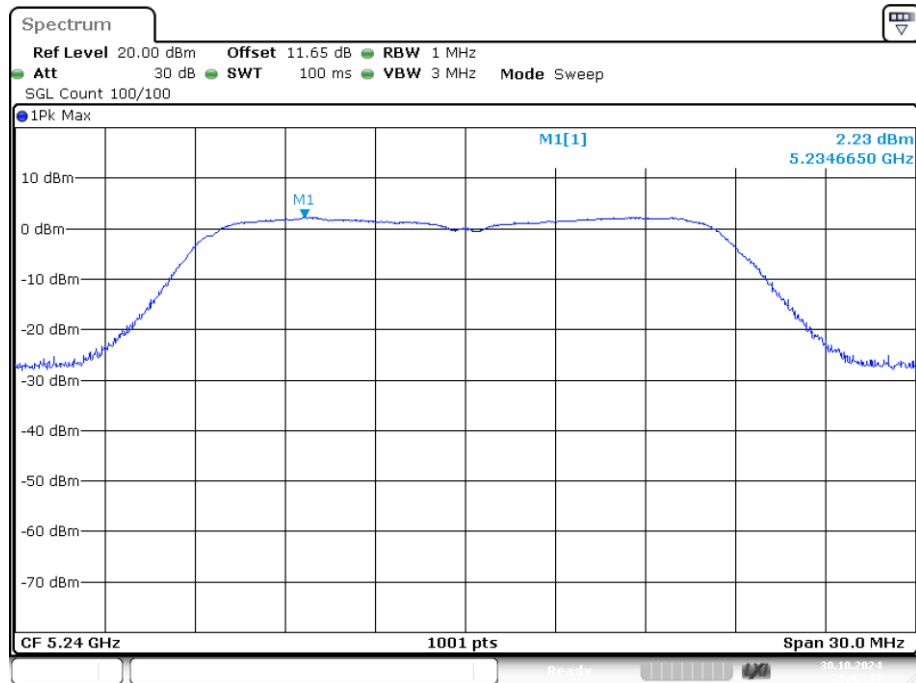
Date: 30.OCT.2024 20:18:32

PSD NVNT n20 5200MHz Ant1



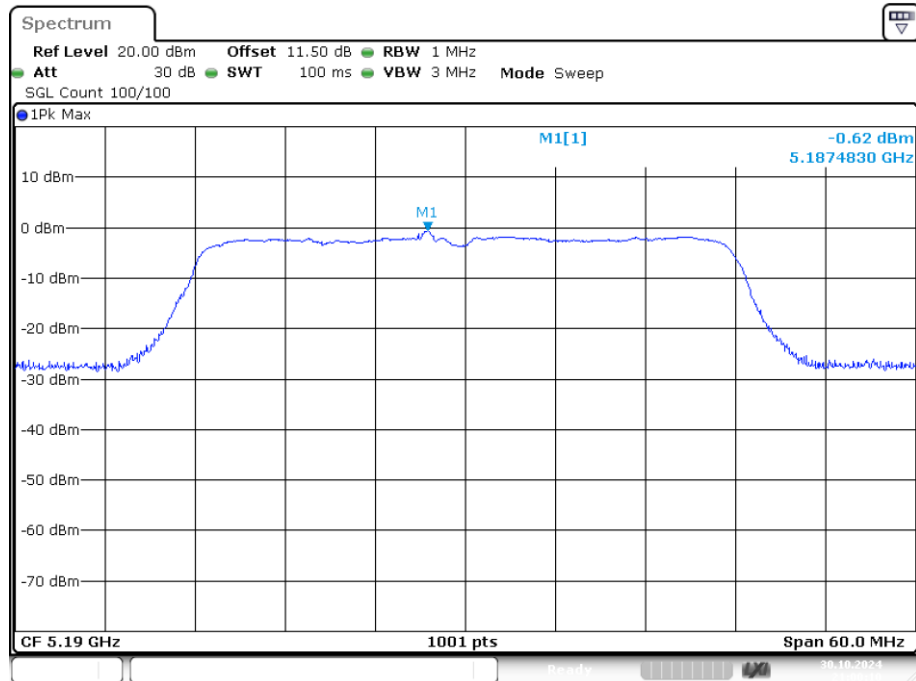
Date: 30.OCT.2024 20:23:35

PSD NVNT n20 5240MHz Ant1

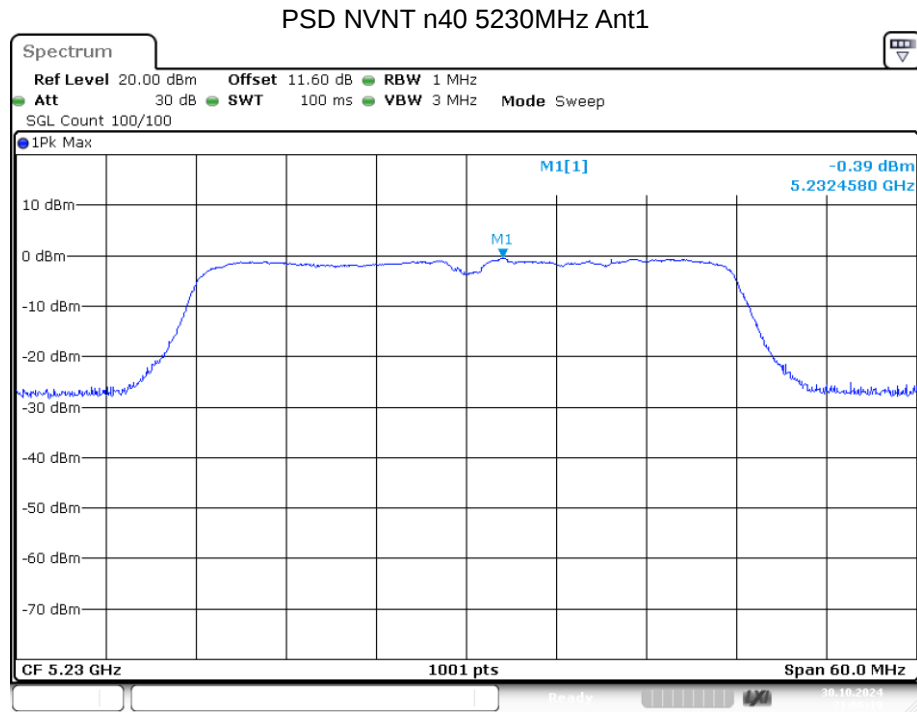


Date: 30.OCT.2024 20:42:18

PSD NVNT n40 5190MHz Ant1



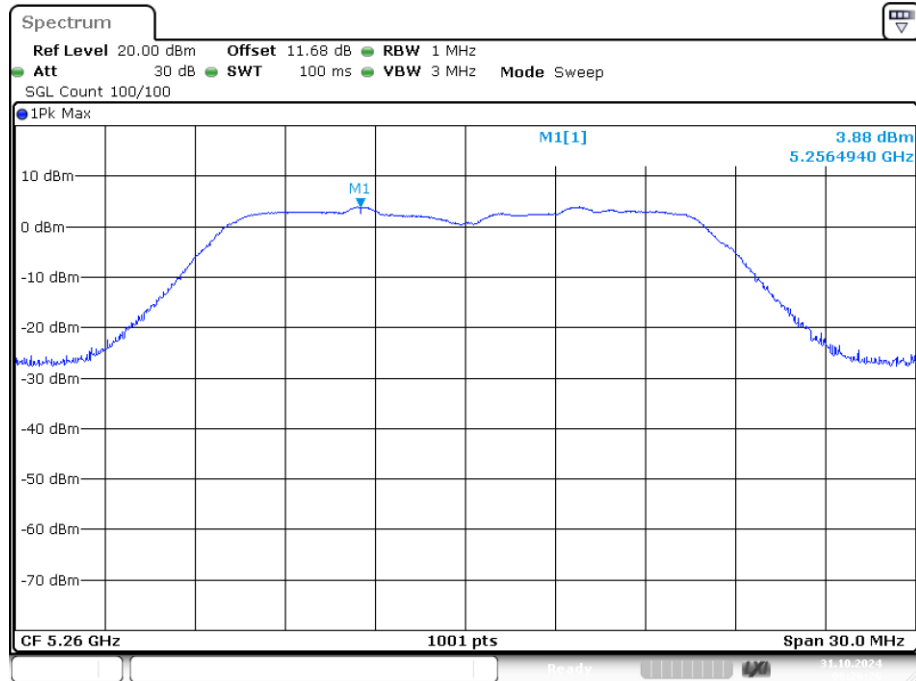
Date: 30.OCT.2024 21:00:10



Band 2 (5250 -5350 MHz)

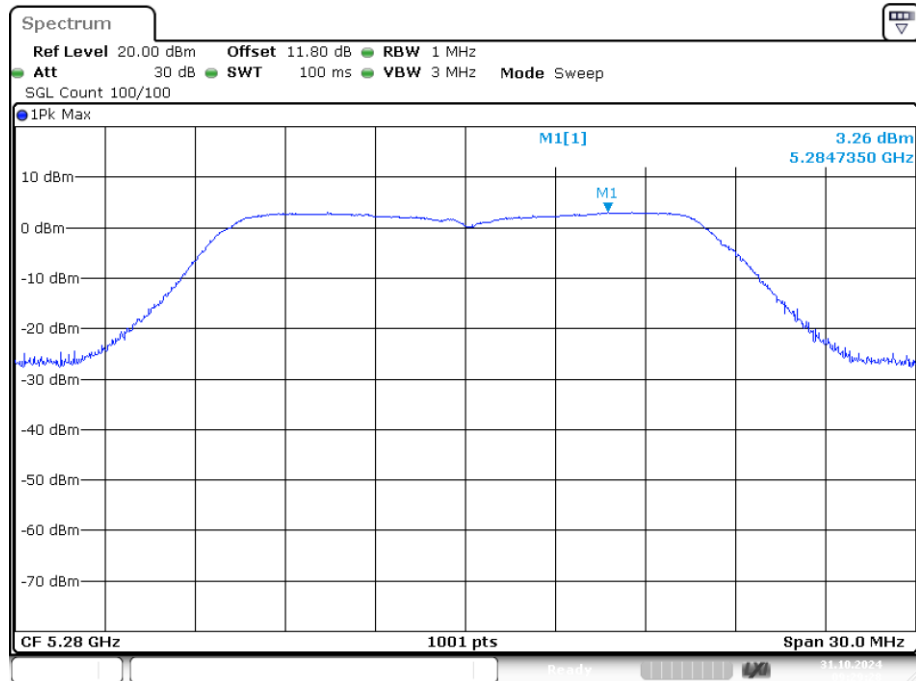
Condition	Mode	Frequency (MHz)	Antenna	EIRP PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	3.877	11	Pass
NVNT	a	5280	Ant1	3.261	11	Pass
NVNT	a	5320	Ant1	3.147	11	Pass
NVNT	ac20	5260	Ant1	-6.034	11	Pass
NVNT	ac20	5280	Ant1	-6.546	11	Pass
NVNT	ac20	5320	Ant1	-6.071	11	Pass
NVNT	ac40	5270	Ant1	-0.588	11	Pass
NVNT	ac40	5310	Ant1	-0.719	11	Pass
NVNT	ac80	5290	Ant1	-3.364	11	Pass
NVNT	n20	5260	Ant1	2.3	11	Pass
NVNT	n20	5280	Ant1	3.08	11	Pass
NVNT	n20	5320	Ant1	2.861	11	Pass
NVNT	n40	5270	Ant1	-0.372	11	Pass
NVNT	n40	5310	Ant1	-1.665	11	Pass

PSD NVNT a 5260MHz Ant1



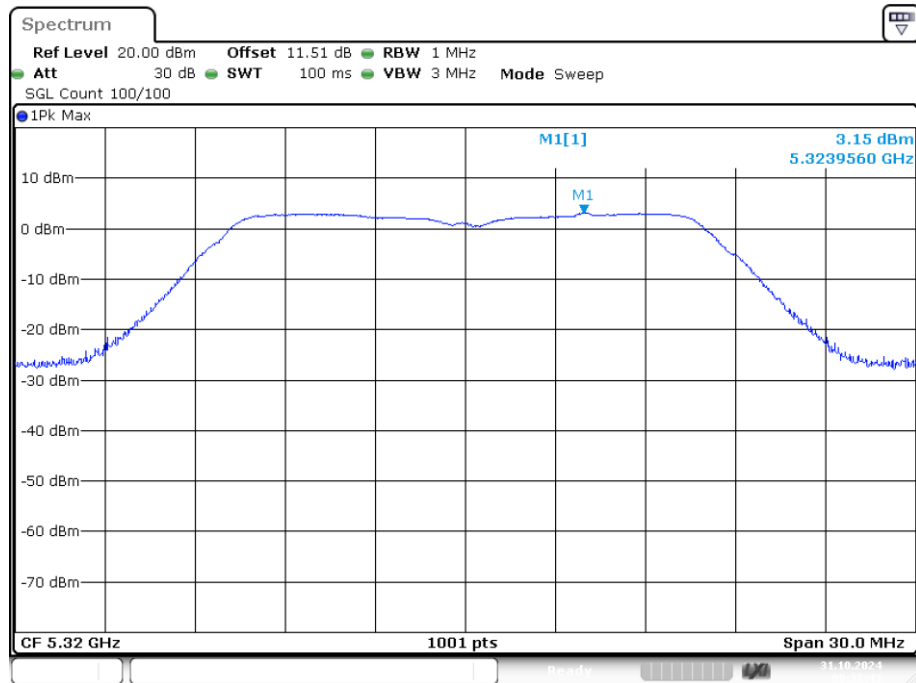
Date: 31.OCT.2024 09:26:26

PSD NVNT a 5280MHz Ant1



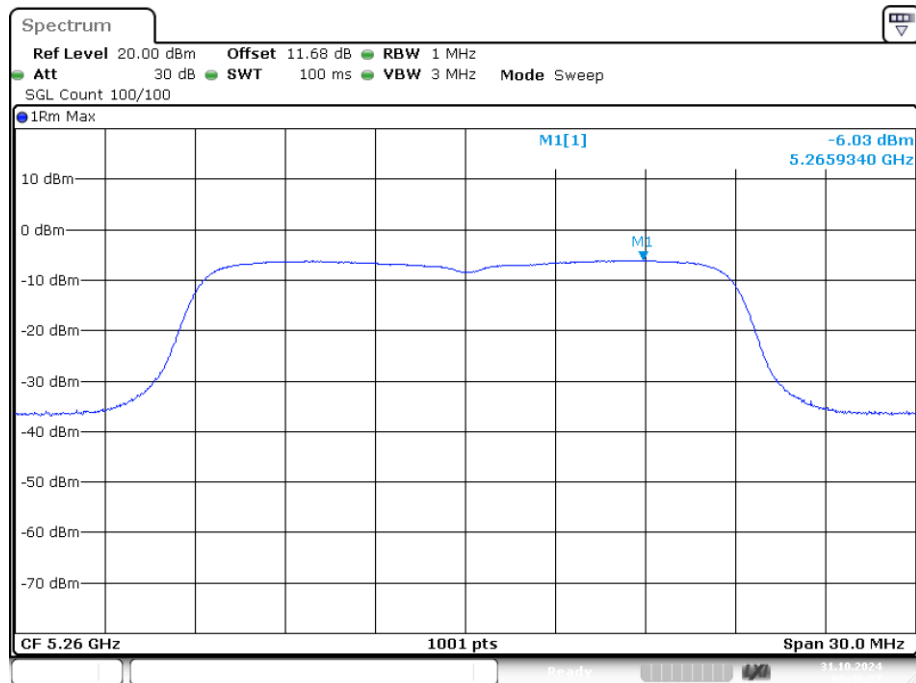
Date: 31.OCT.2024 09:29:28

PSD NVNT a 5320MHz Ant1



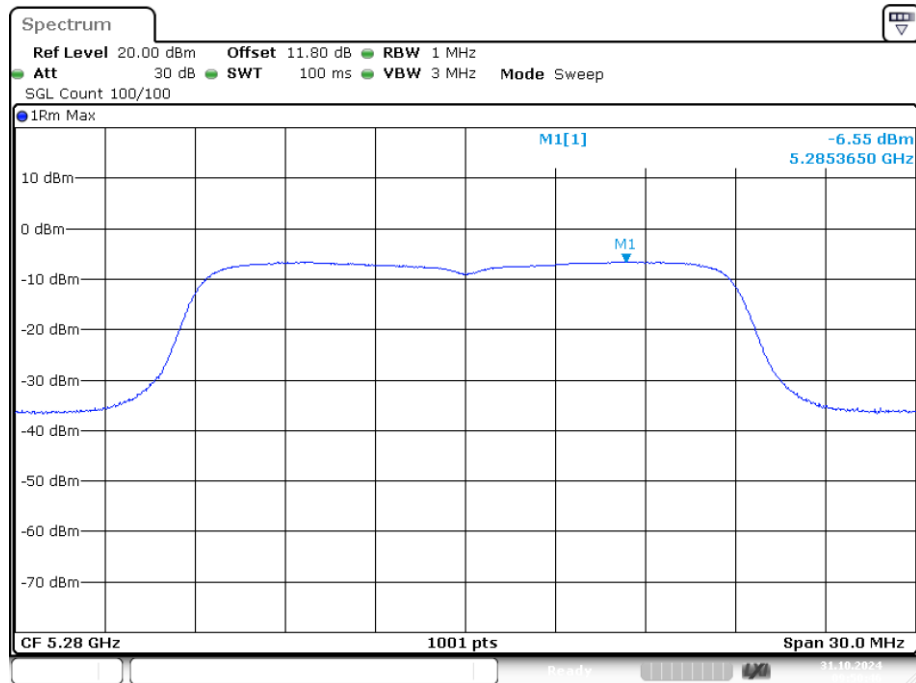
Date: 31.OCT.2024 09:32:43

PSD NVNT ac20 5260MHz Ant1



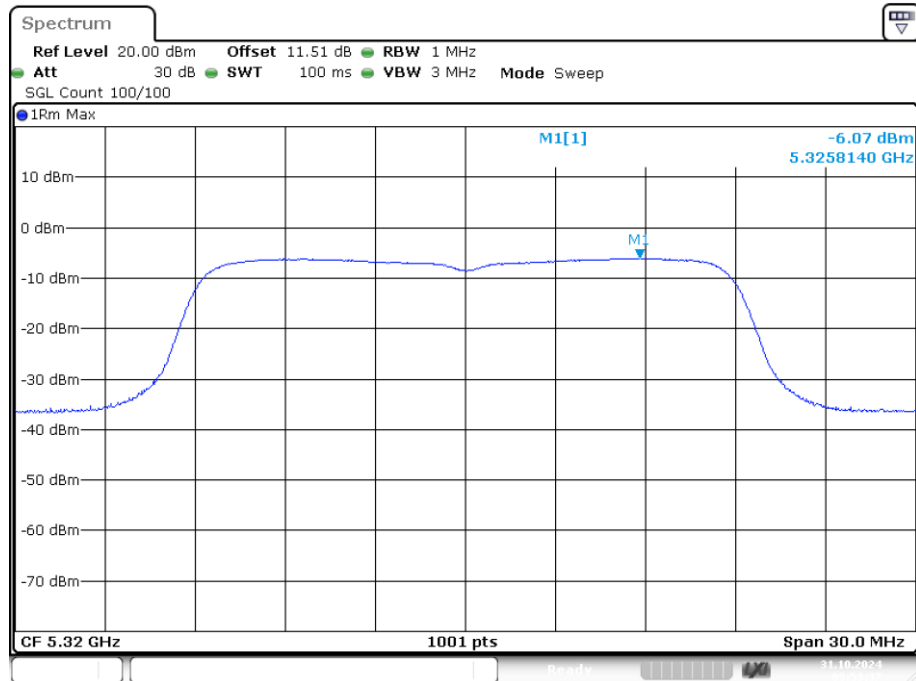
Date: 31.OCT.2024 09:46:27

PSD NVNT ac20 5280MHz Ant1



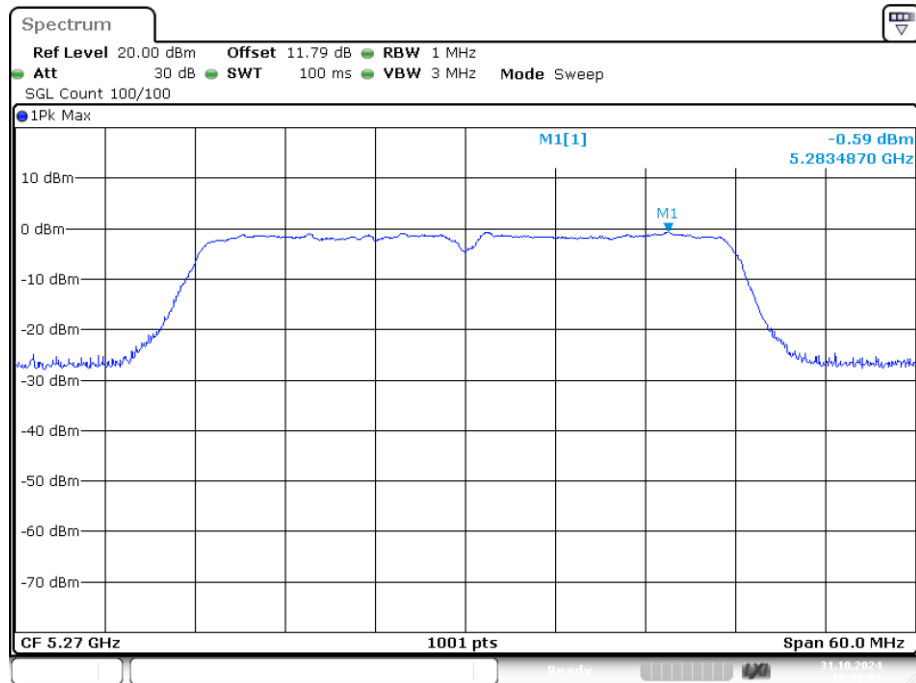
Date: 31.OCT.2024 09:50:45

PSD NVNT ac20 5320MHz Ant1



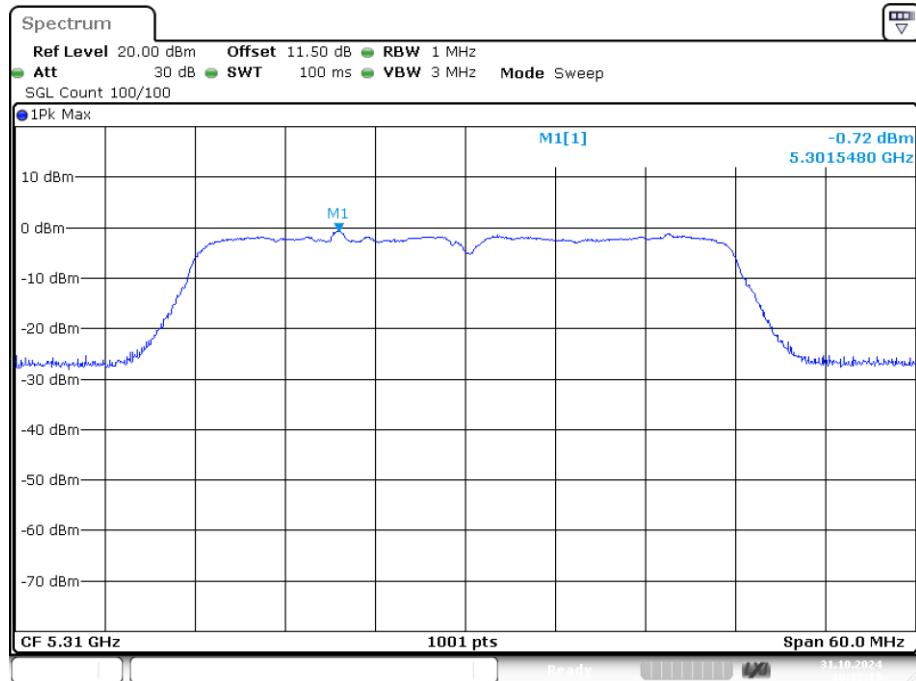
Date: 31.OCT.2024 09:53:37

PSD NVNT ac40 5270MHz Ant1



Date: 31.OCT.2024 10:09:07

PSD NVNT ac40 5310MHz Ant1



Date: 31.OCT.2024 10:12:13