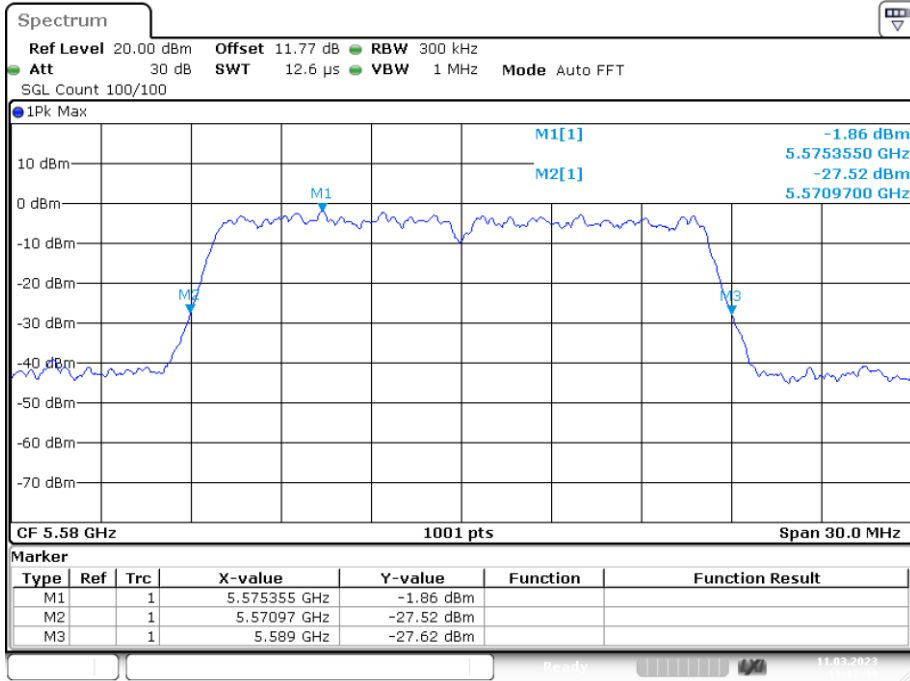
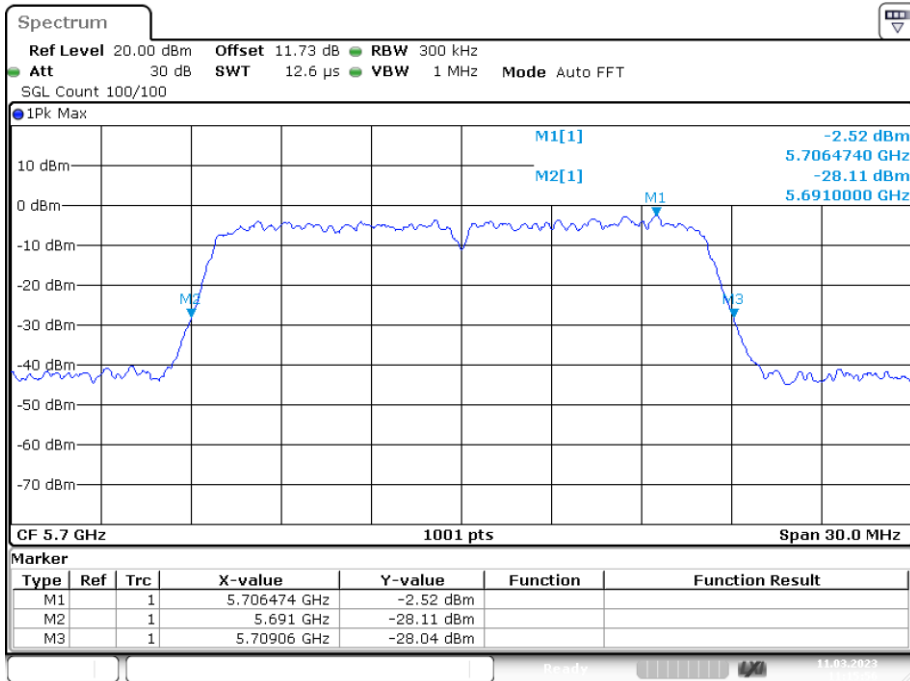


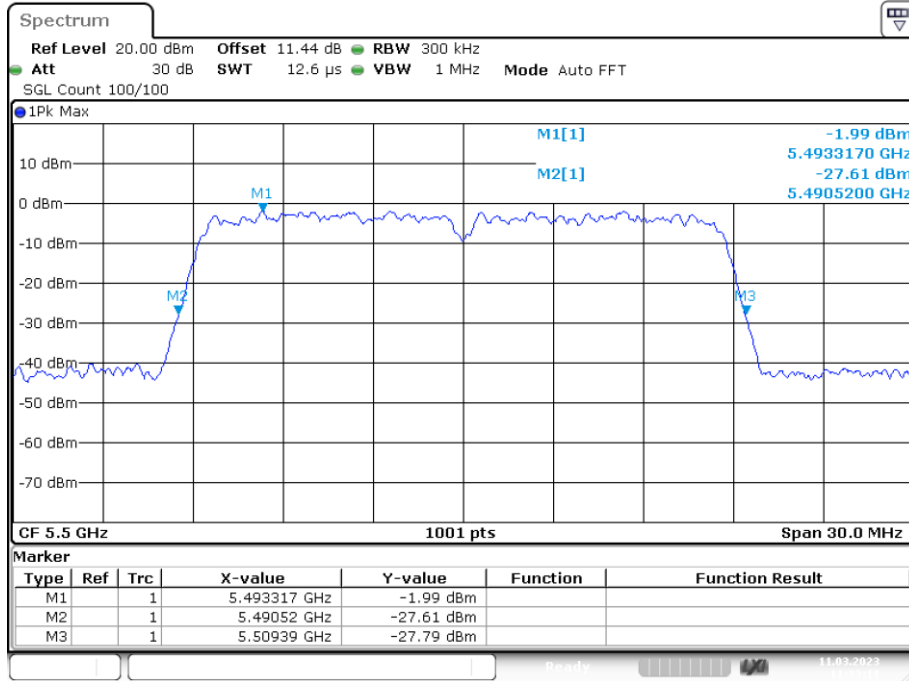
-26dB Bandwidth NVNT a 5580MHz Ant1



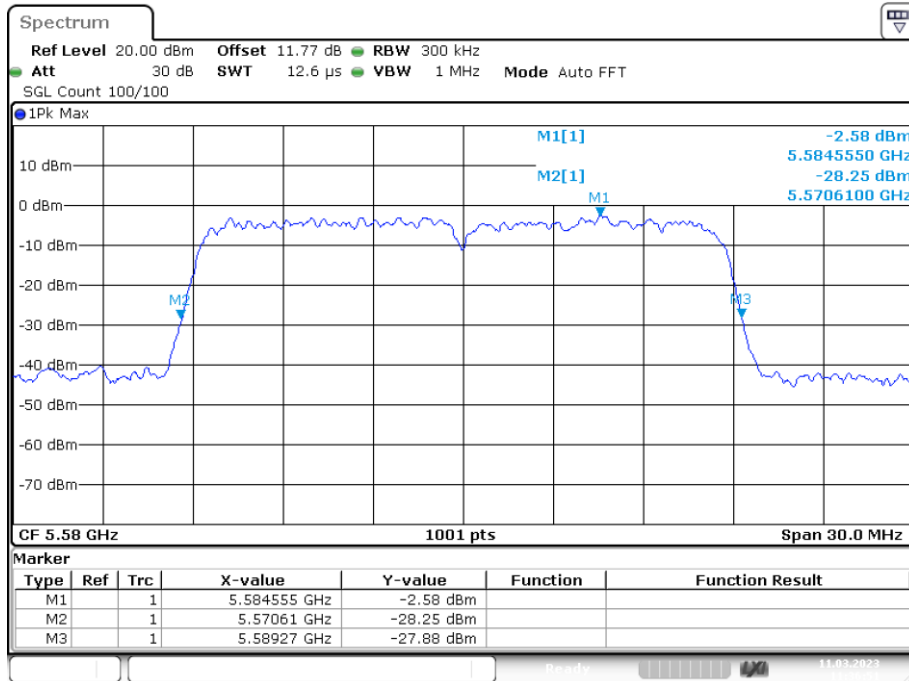
-26dB Bandwidth NVNT a 5700MHz Ant1



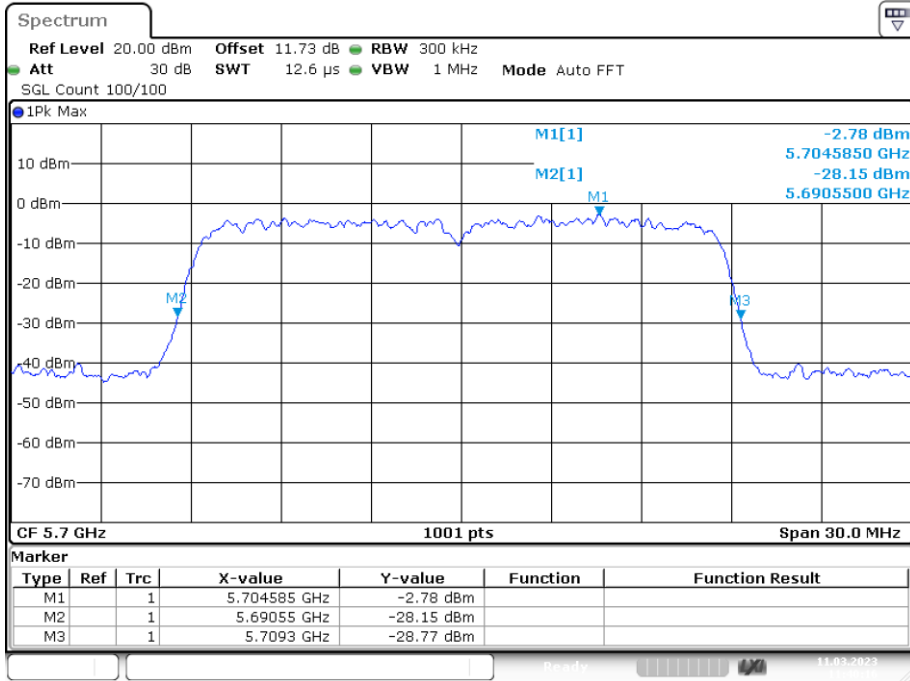
-26dB Bandwidth NVNT ac20 5500MHz Ant1



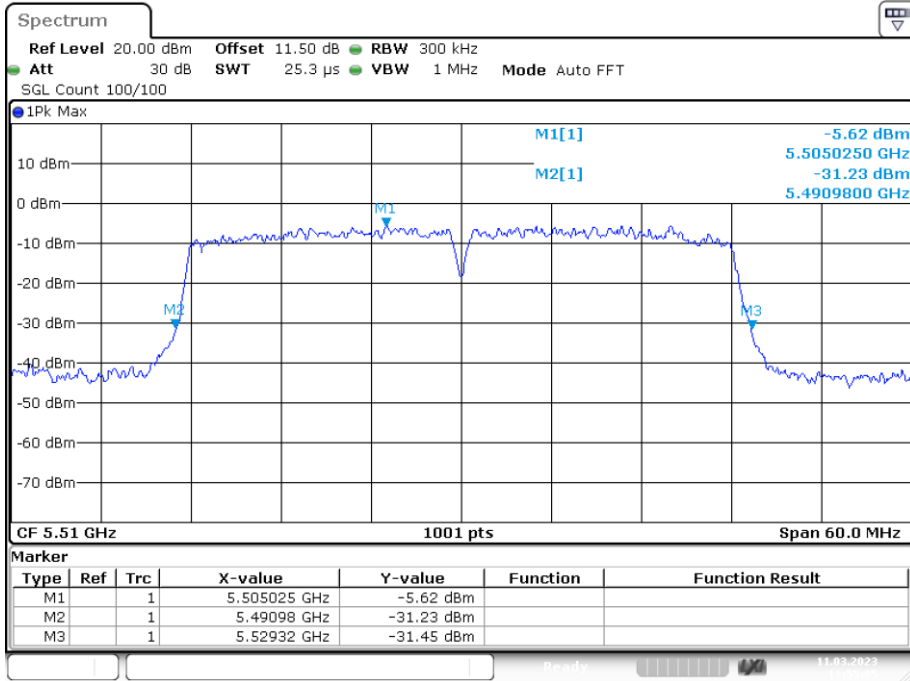
-26dB Bandwidth NVNT ac20 5580MHz Ant1



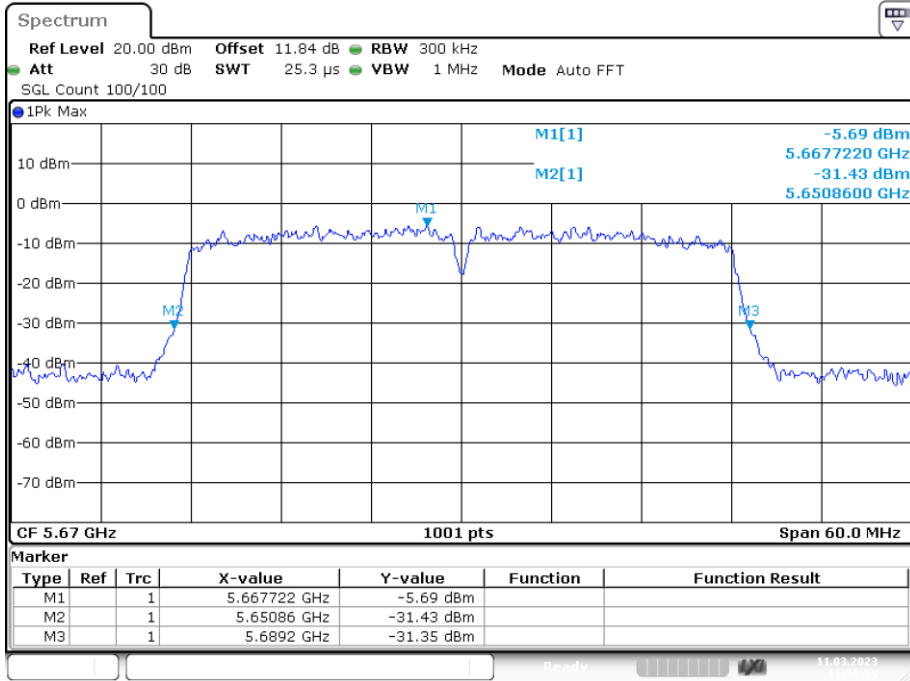
-26dB Bandwidth NVNT ac20 5700MHz Ant1



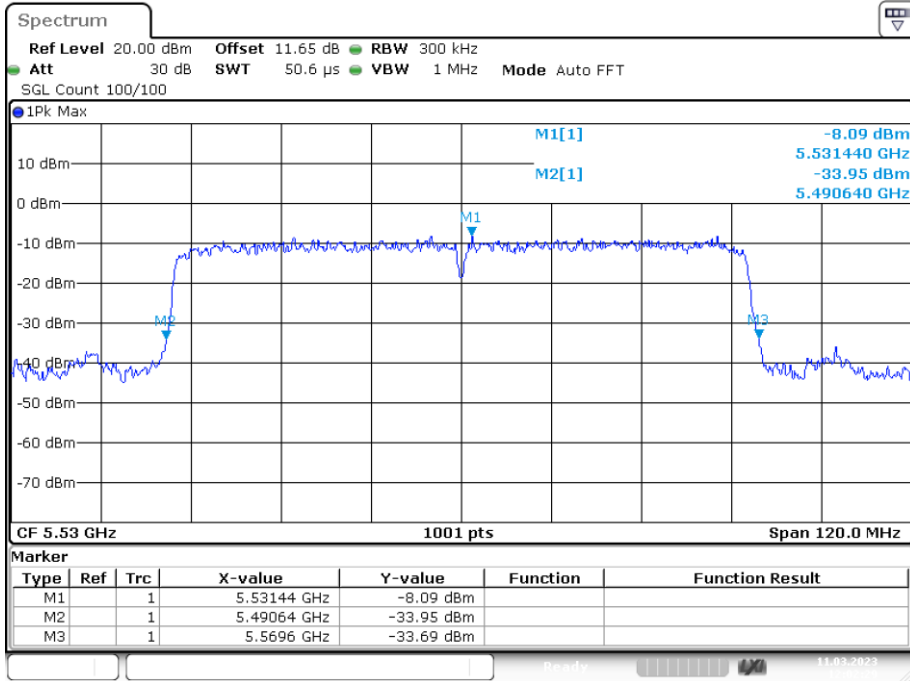
-26dB Bandwidth NVNT ac40 5510MHz Ant1



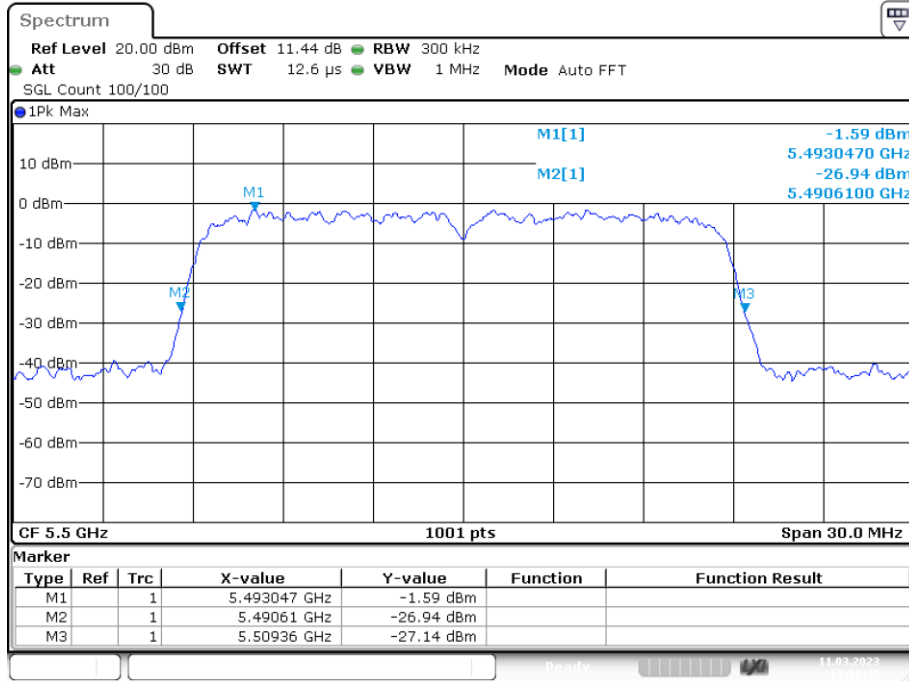
-26dB Bandwidth NVNT ac40 5670MHz Ant1



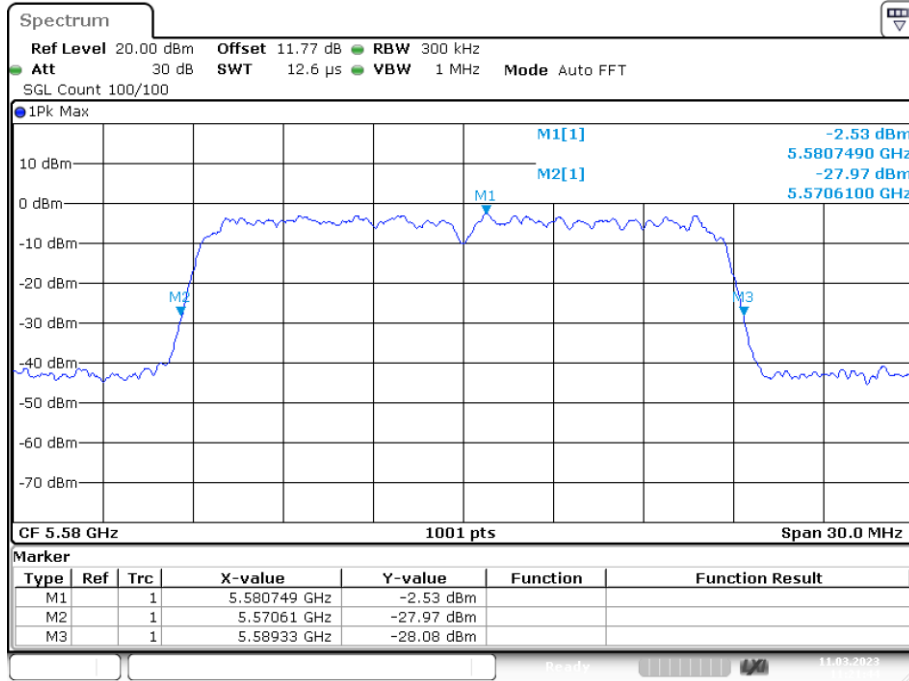
-26dB Bandwidth NVNT ac80 5530MHz Ant1



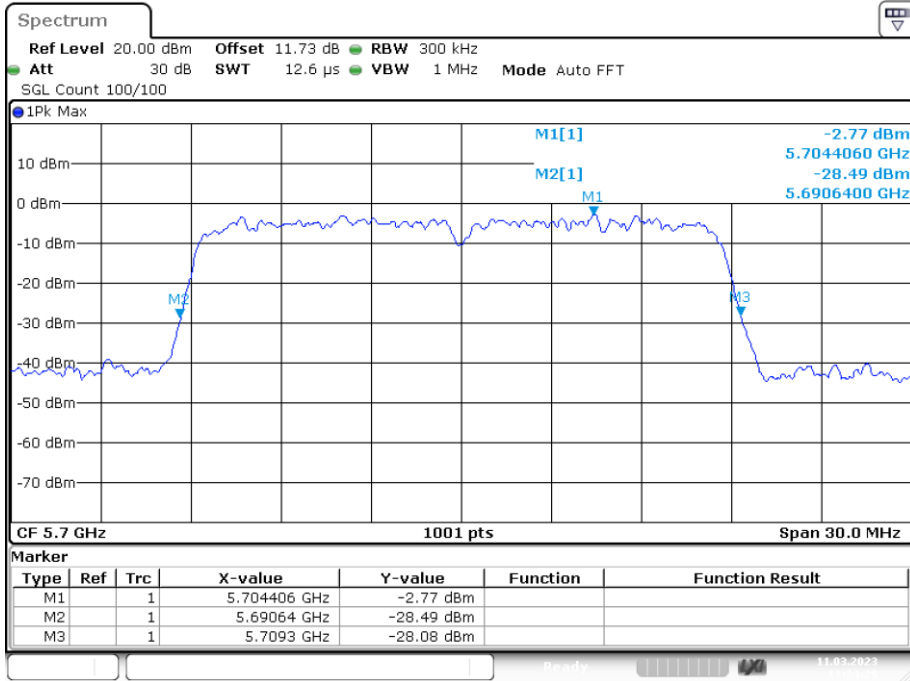
-26dB Bandwidth NVNT n20 5500MHz Ant1



-26dB Bandwidth NVNT n20 5580MHz Ant1

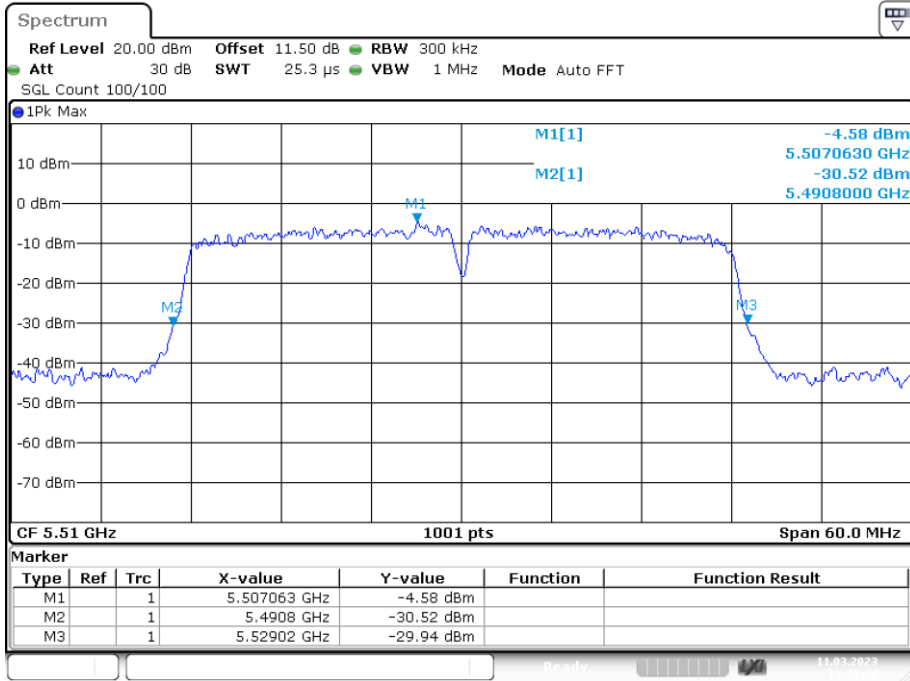


-26dB Bandwidth NVNT n20 5700MHz Ant1

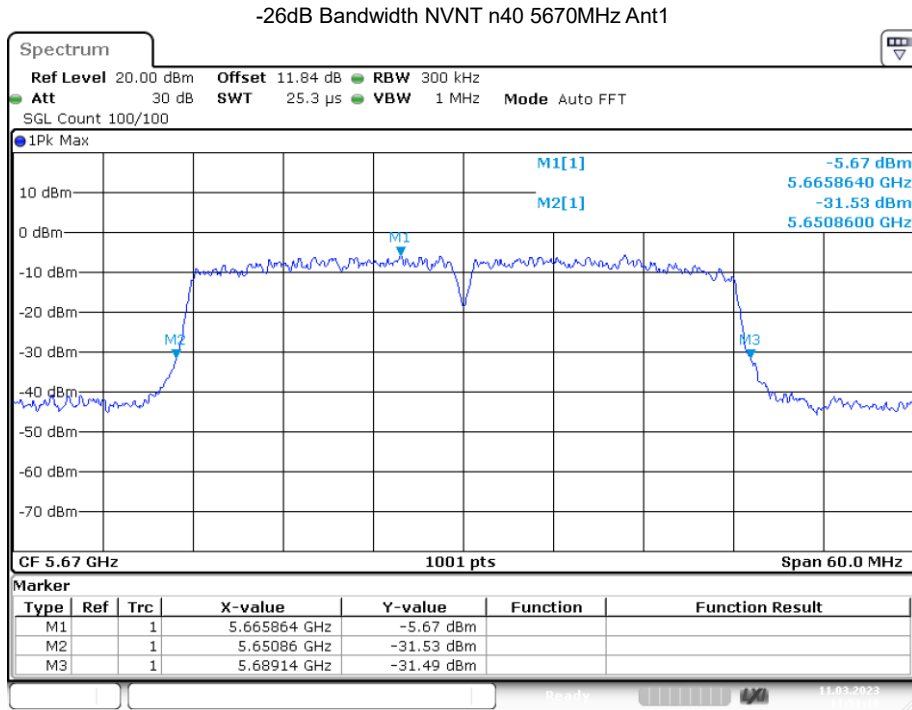


Date: 11.MAR.2023 11:24:30

-26dB Bandwidth NVNT n40 5510MHz Ant1



Date: 11.MAR.2023 11:45:08

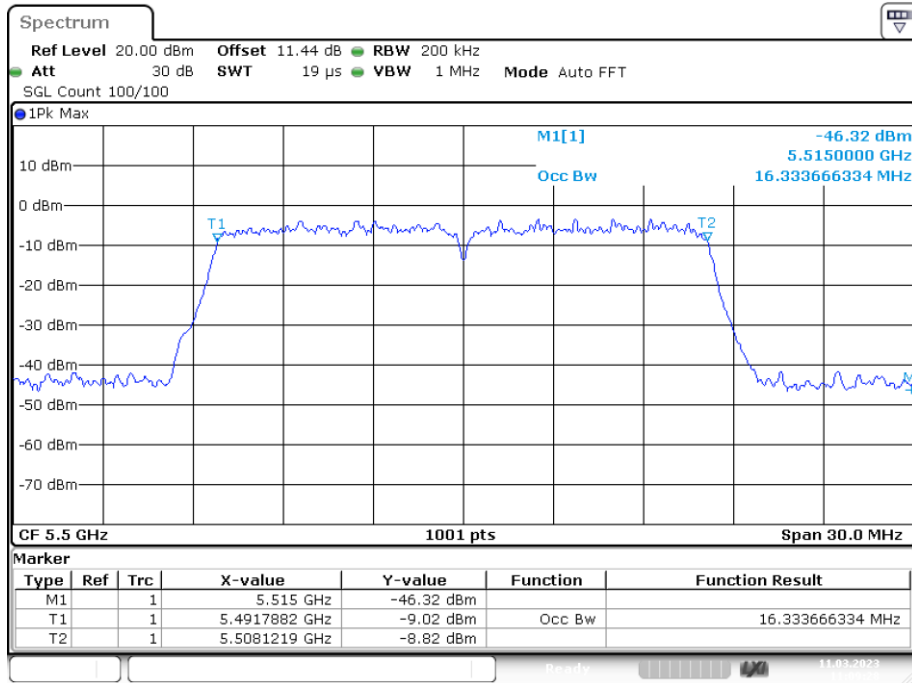


Date: 11.MAR.2023 11:51:16

Occupied Channel Bandwidth

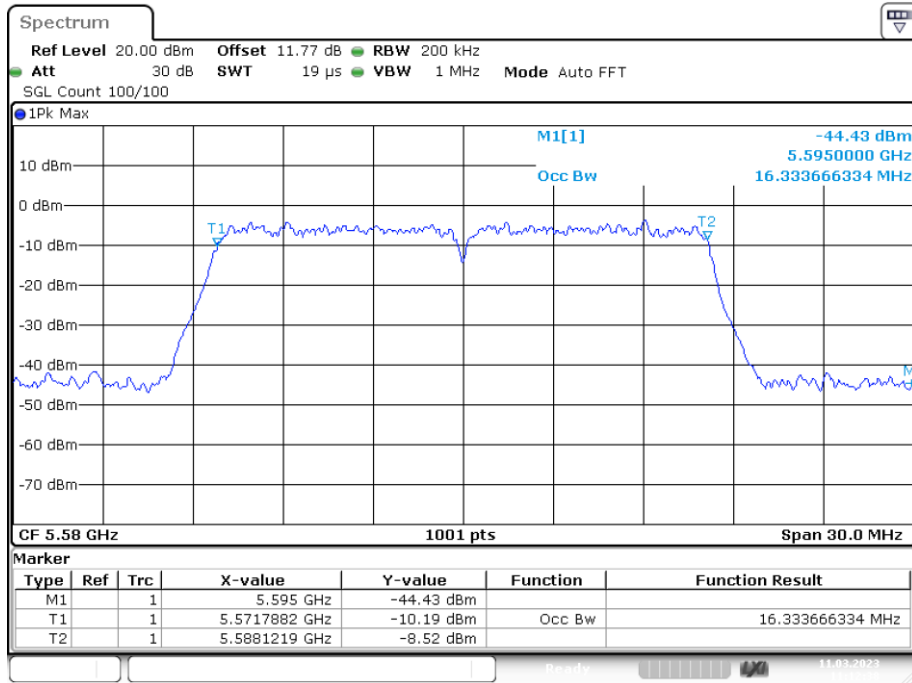
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.334
NVNT	a	5580	Ant1	16.334
NVNT	a	5700	Ant1	16.364
NVNT	ac20	5500	Ant1	17.203
NVNT	ac20	5580	Ant1	17.173
NVNT	ac20	5700	Ant1	17.203
NVNT	ac40	5510	Ant1	35.844
NVNT	ac40	5670	Ant1	35.844
NVNT	ac80	5530	Ant1	75.045
NVNT	n20	5500	Ant1	17.233
NVNT	n20	5580	Ant1	17.173
NVNT	n20	5700	Ant1	17.233
NVNT	n40	5510	Ant1	35.784
NVNT	n40	5670	Ant1	35.964

OBW NVNT a 5500MHz Ant1



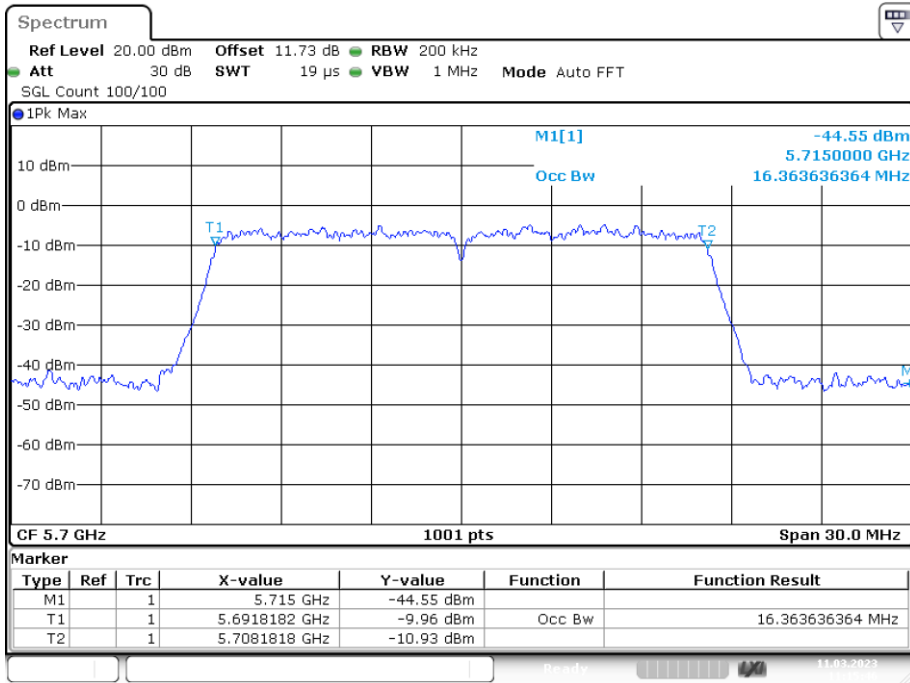
Date: 11.MAR.2023 11:09:28

OBW NVNT a 5580MHz Ant1



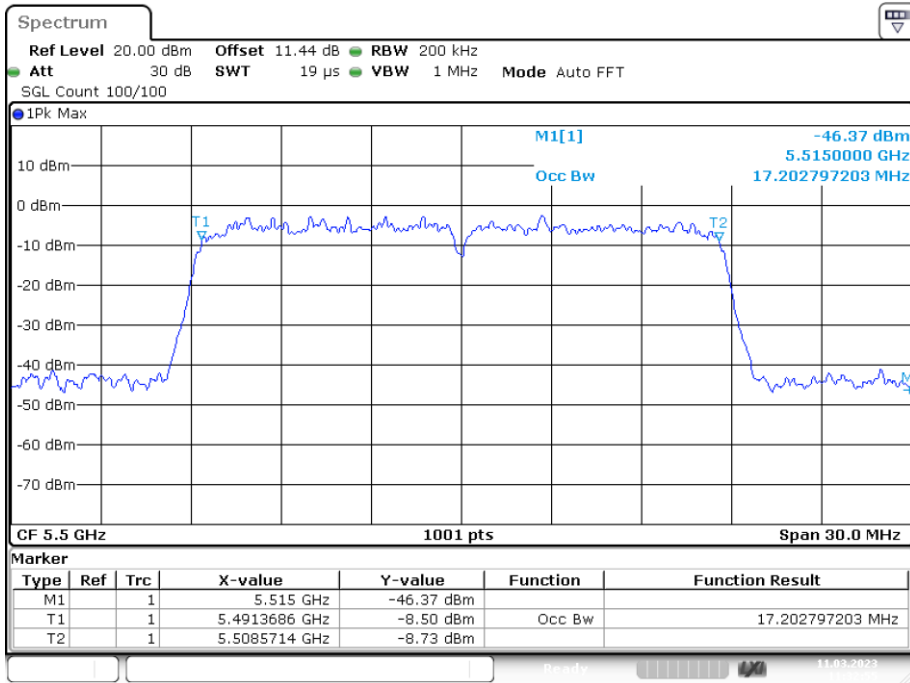
Date: 11.MAR.2023 11:12:38

OBW NVNT a 5700MHz Ant1



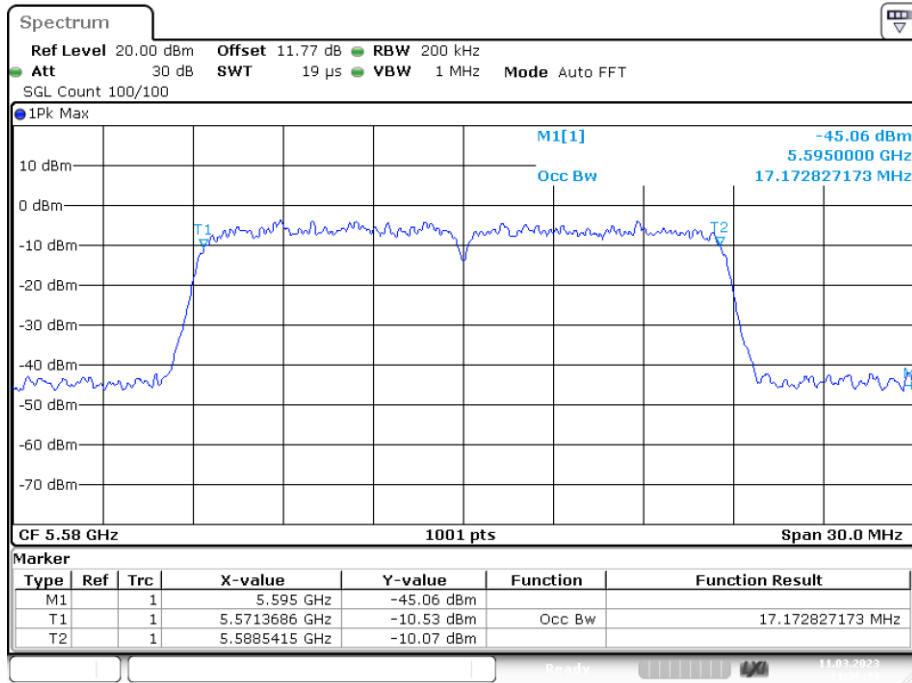
Date: 11.MAR.2023 11:15:46

OBW NVNT ac20 5500MHz Ant1



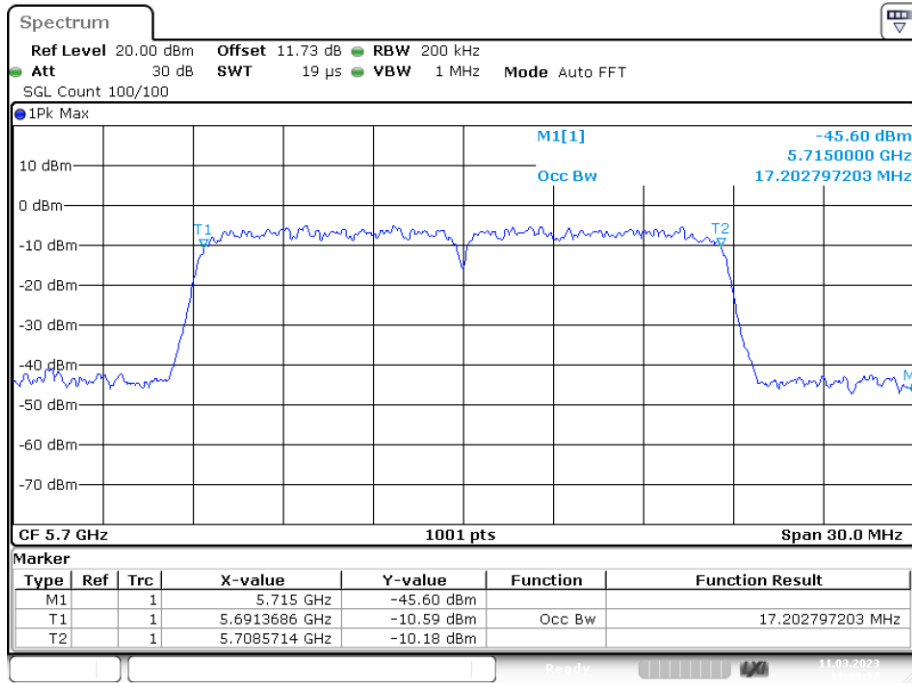
Date: 11.MAR.2023 11:32:55

OBW NVNT ac20 5580MHz Ant1



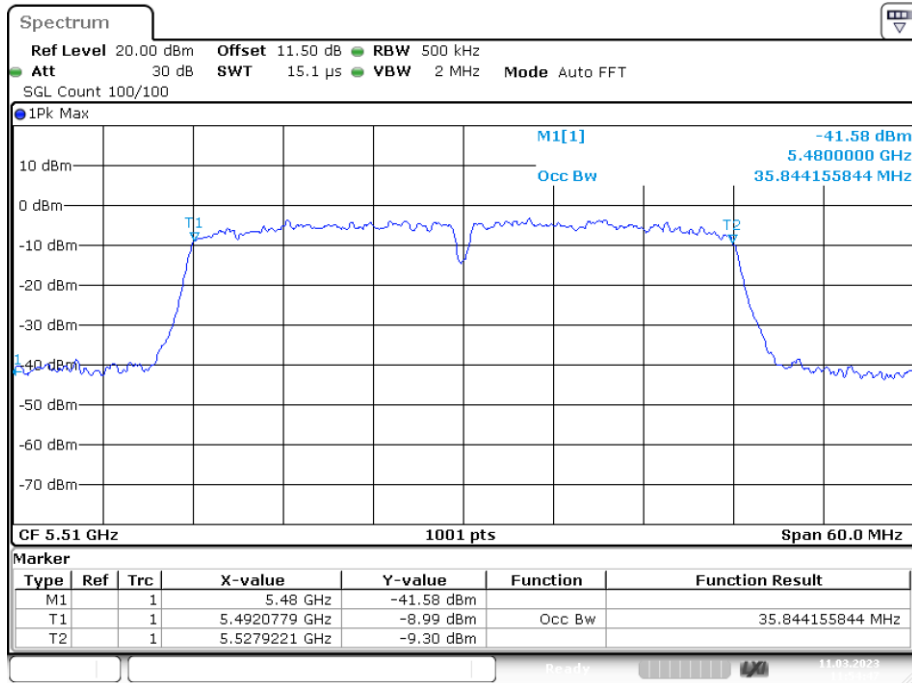
Date: 11.MAR.2023 11:36:32

OBW NVNT ac20 5700MHz Ant1



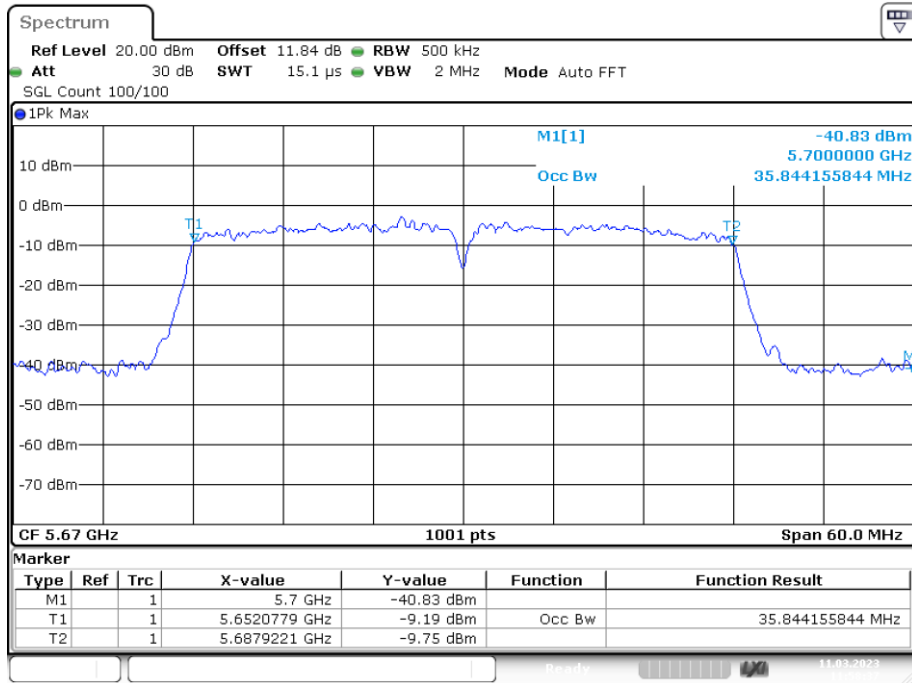
Date: 11.MAR.2023 11:39:57

OBW NVNT ac40 5510MHz Ant1



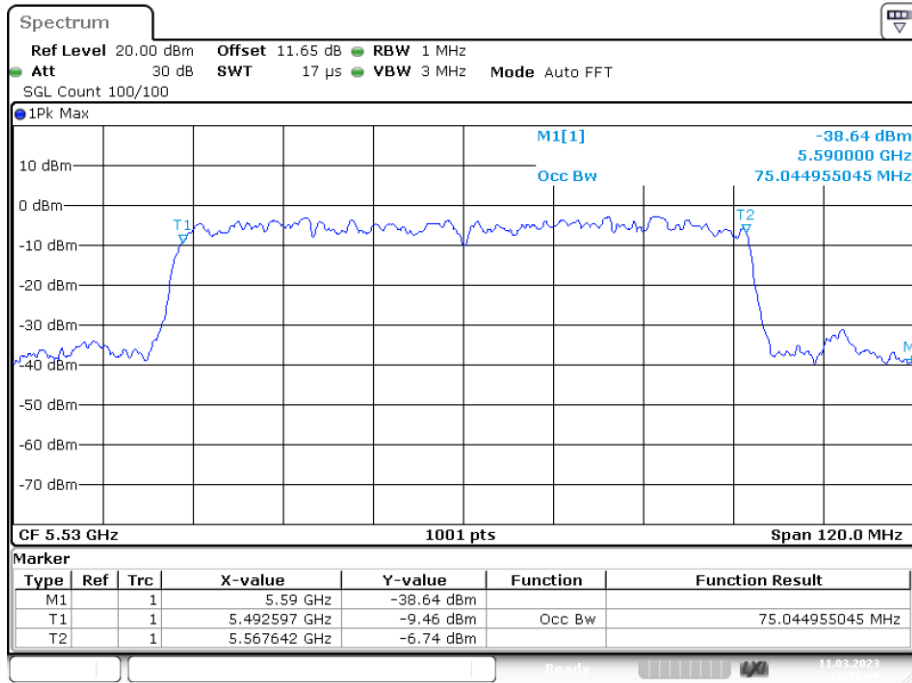
Date: 11.MAR.2023 11:54:47

OBW NVNT ac40 5670MHz Ant1



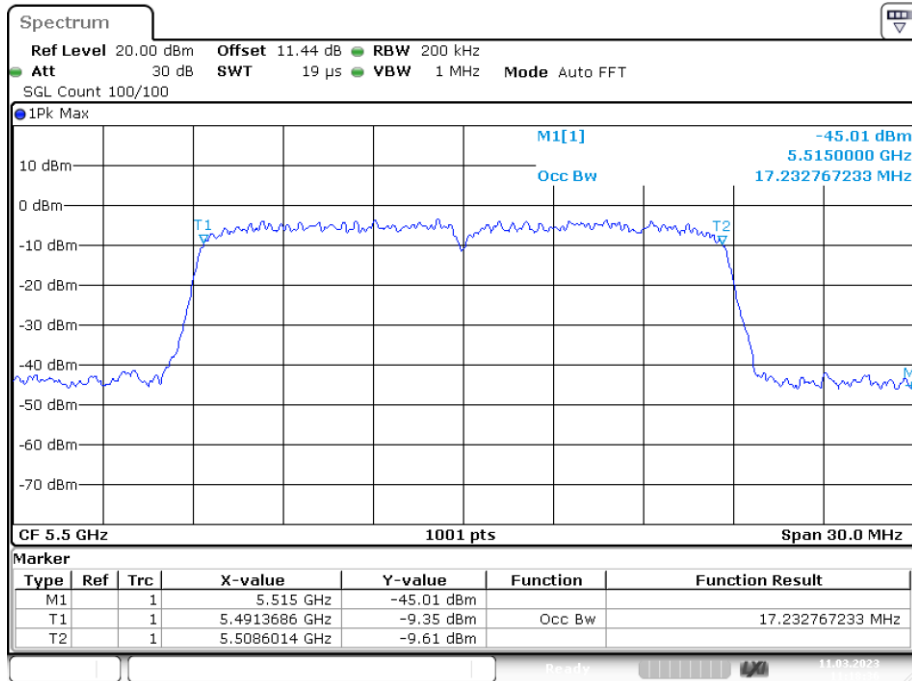
Date: 11.MAR.2023 11:58:36

OBW NVNT ac80 5530MHz Ant1



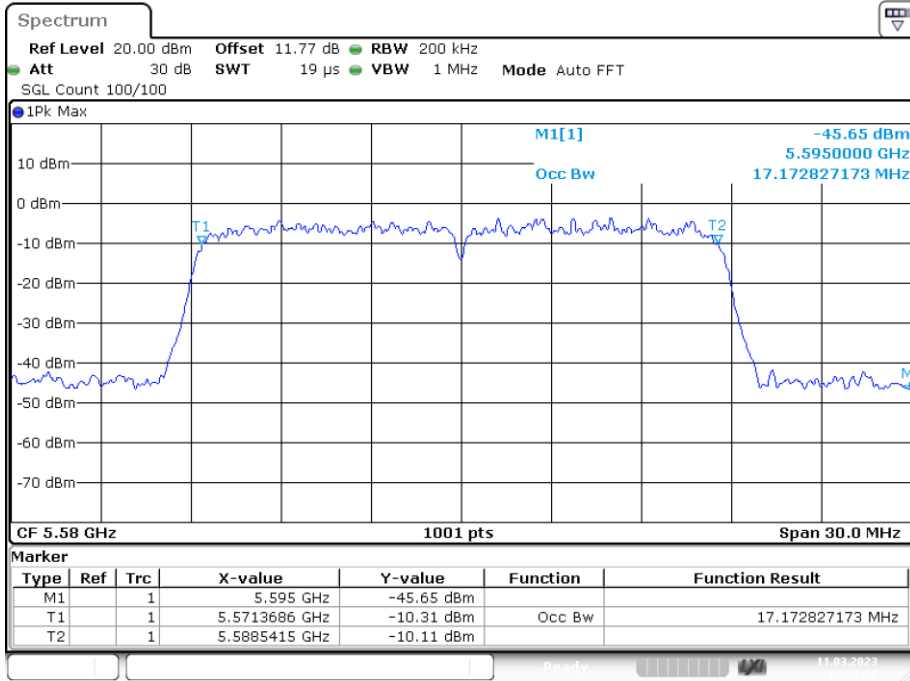
Date: 11.MAR.2023 12:02:08

OBW NVNT n20 5500MHz Ant1

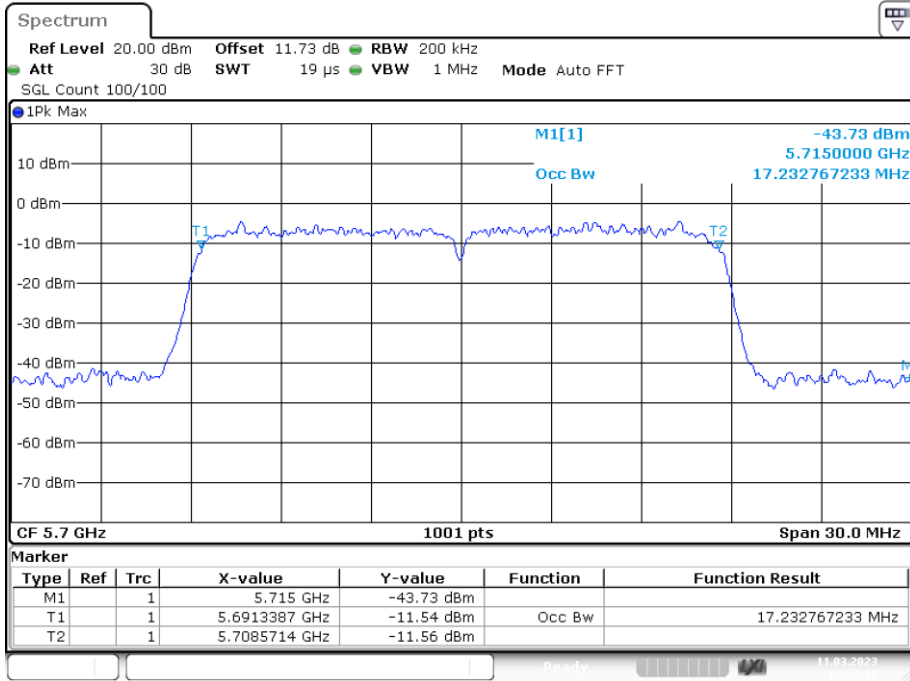


Date: 11.MAR.2023 11:18:36

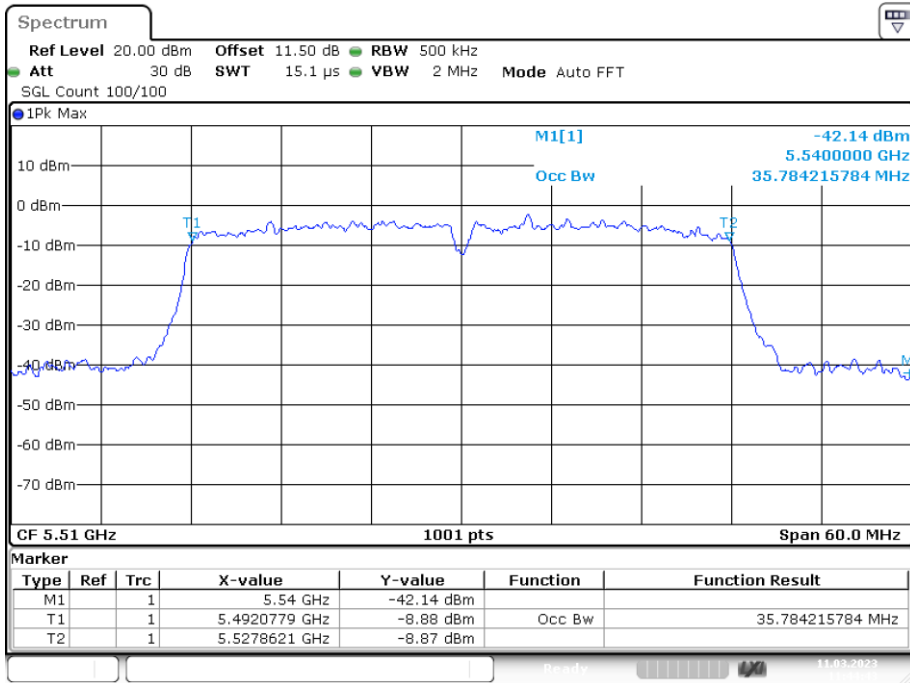
OBW NVNT n20 5580MHz Ant1



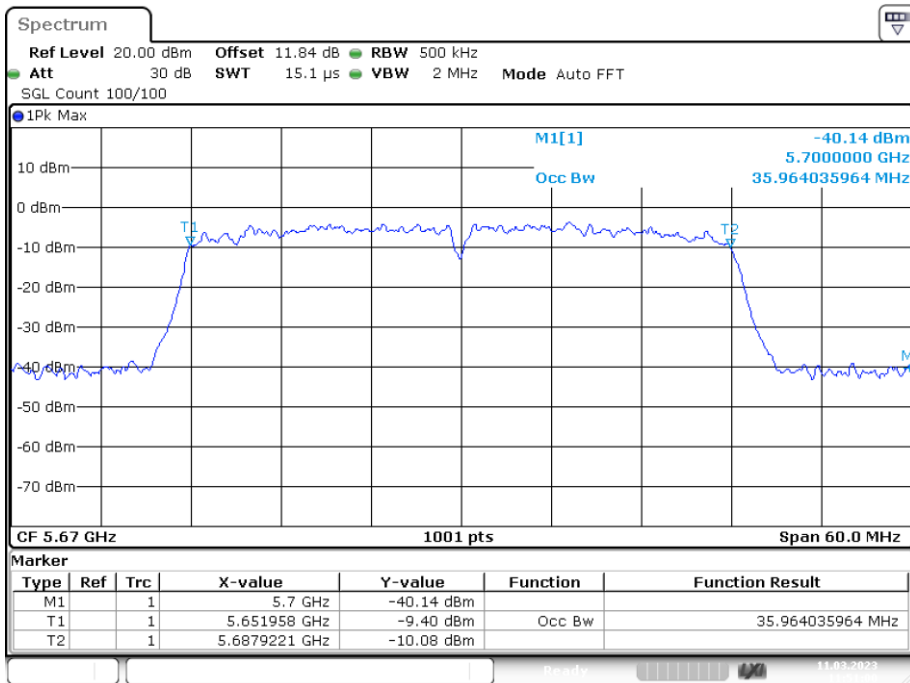
OBW NVNT n20 5700MHz Ant1



OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5670MHz Ant1

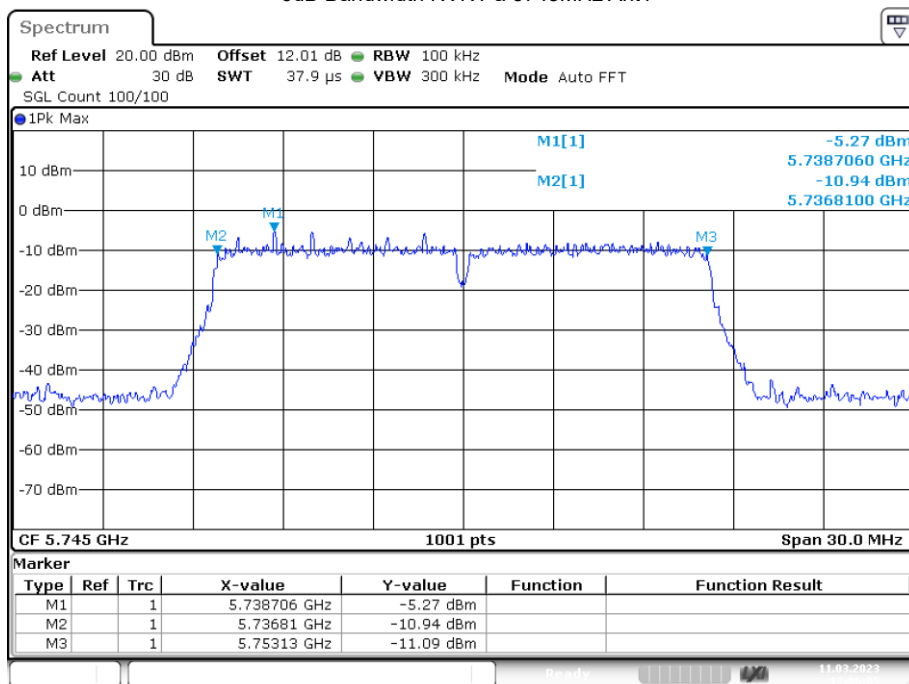


Band 4 (5725-5850 MHz):

-6dB Bandwidth

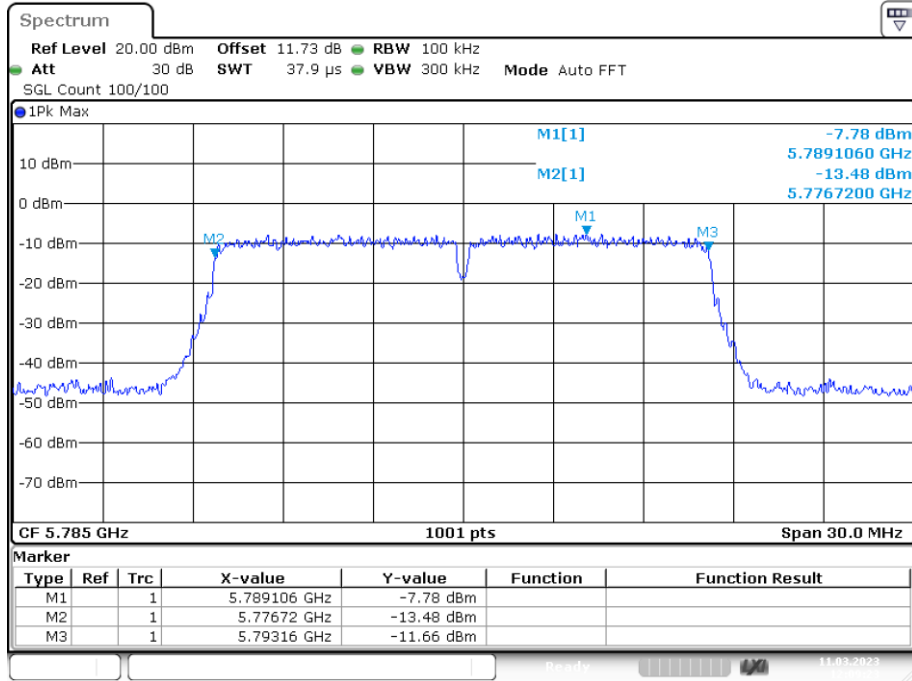
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.32	0.5	Pass
NVNT	a	5785	Ant1	16.44	0.5	Pass
NVNT	a	5825	Ant1	16.44	0.5	Pass
NVNT	ac20	5745	Ant1	17.4	0.5	Pass
NVNT	ac20	5785	Ant1	16.56	0.5	Pass
NVNT	ac20	5825	Ant1	16.32	0.5	Pass
NVNT	ac40	5755	Ant1	33.48	0.5	Pass
NVNT	ac40	5795	Ant1	36.3	0.5	Pass
NVNT	ac80	5775	Ant1	73.92	0.5	Pass
NVNT	n20	5745	Ant1	17.07	0.5	Pass
NVNT	n20	5785	Ant1	17.37	0.5	Pass
NVNT	n20	5825	Ant1	17.04	0.5	Pass
NVNT	n40	5755	Ant1	34.32	0.5	Pass
NVNT	n40	5795	Ant1	35.58	0.5	Pass

-6dB Bandwidth NVNT a 5745MHz Ant1

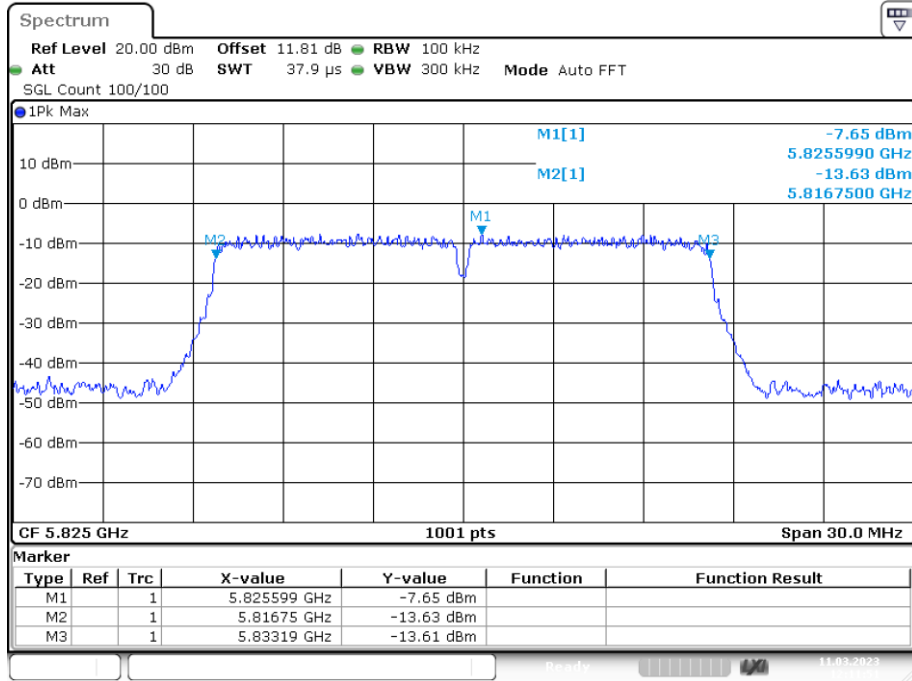


Date: 11.MAR.2023 12:06:05

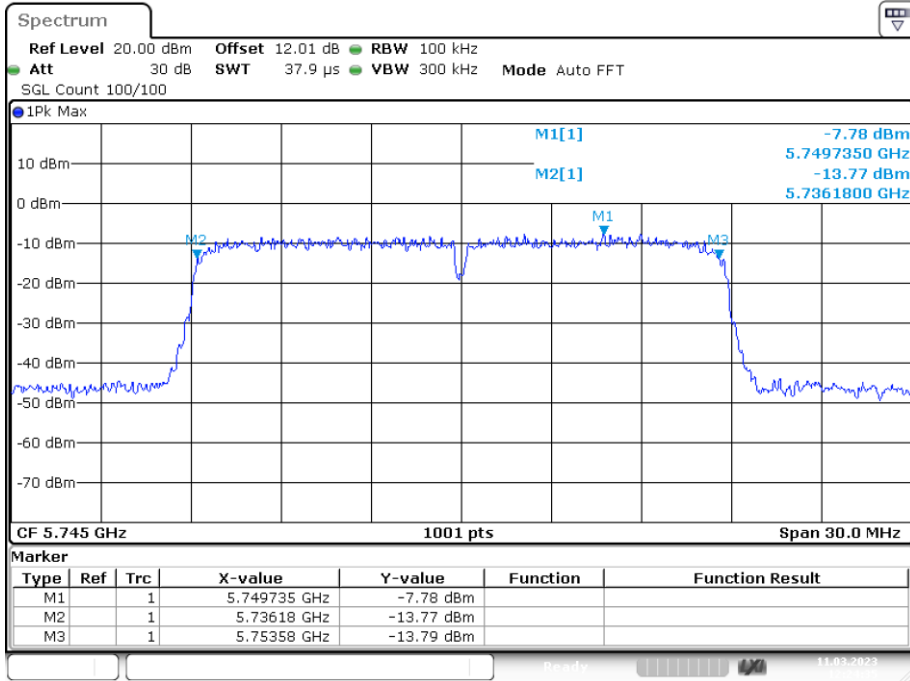
-6dB Bandwidth NVNT a 5785MHz Ant1



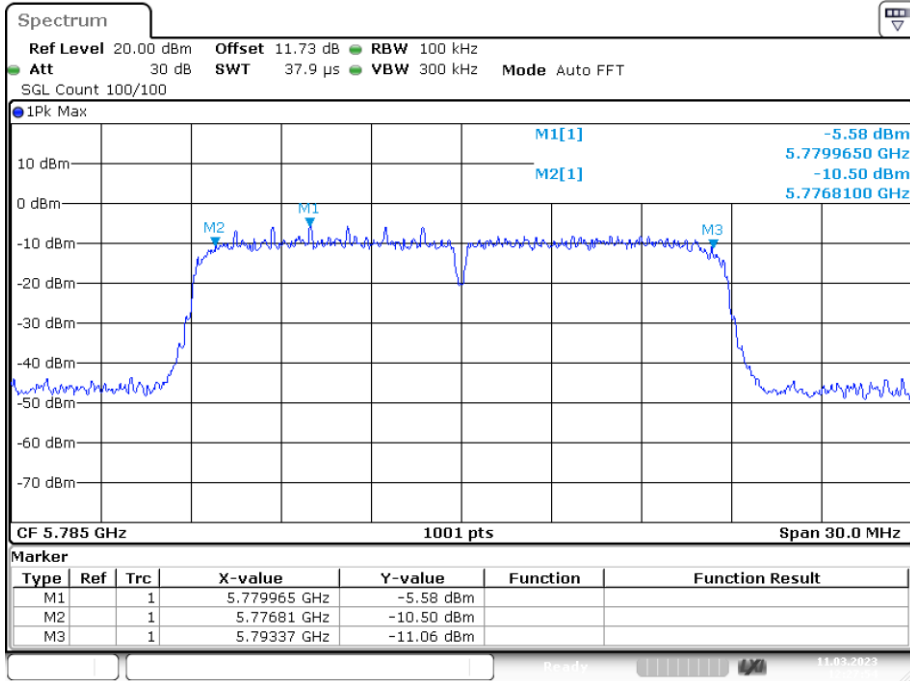
-6dB Bandwidth NVNT a 5825MHz Ant1



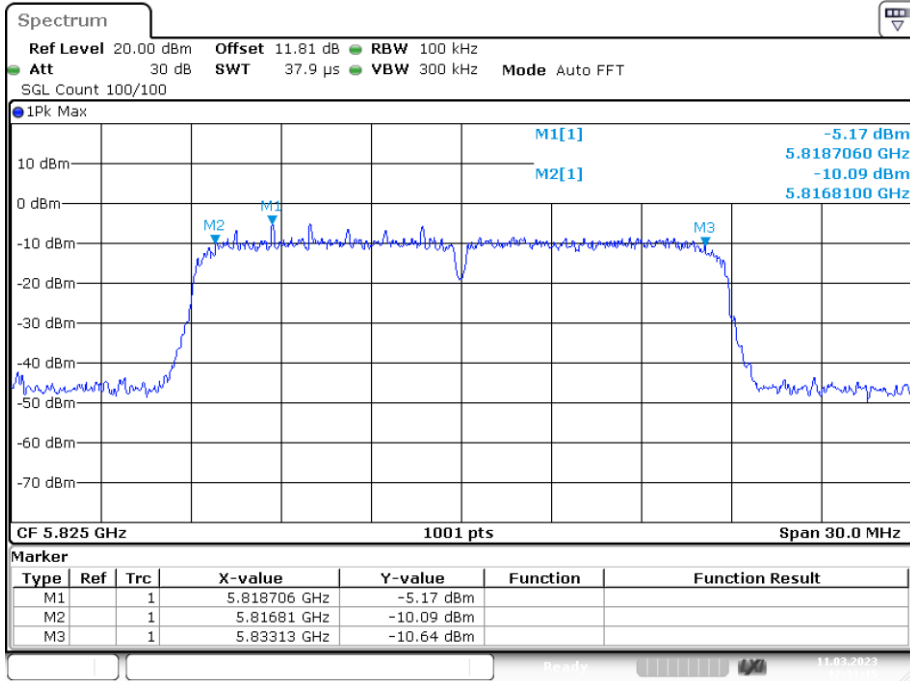
-6dB Bandwidth NVNT ac20 5745MHz Ant1



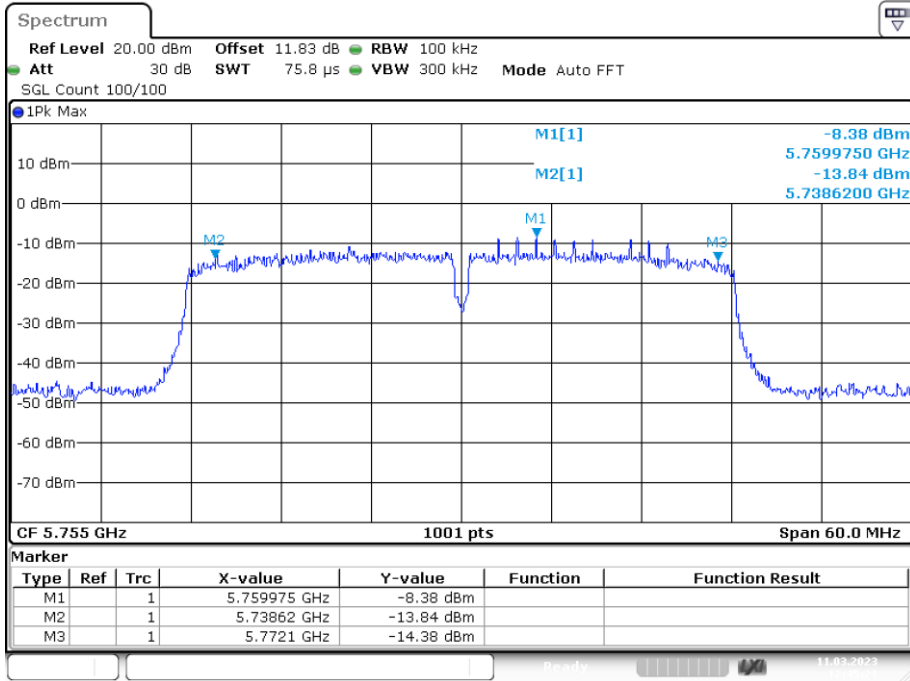
-6dB Bandwidth NVNT ac20 5785MHz Ant1



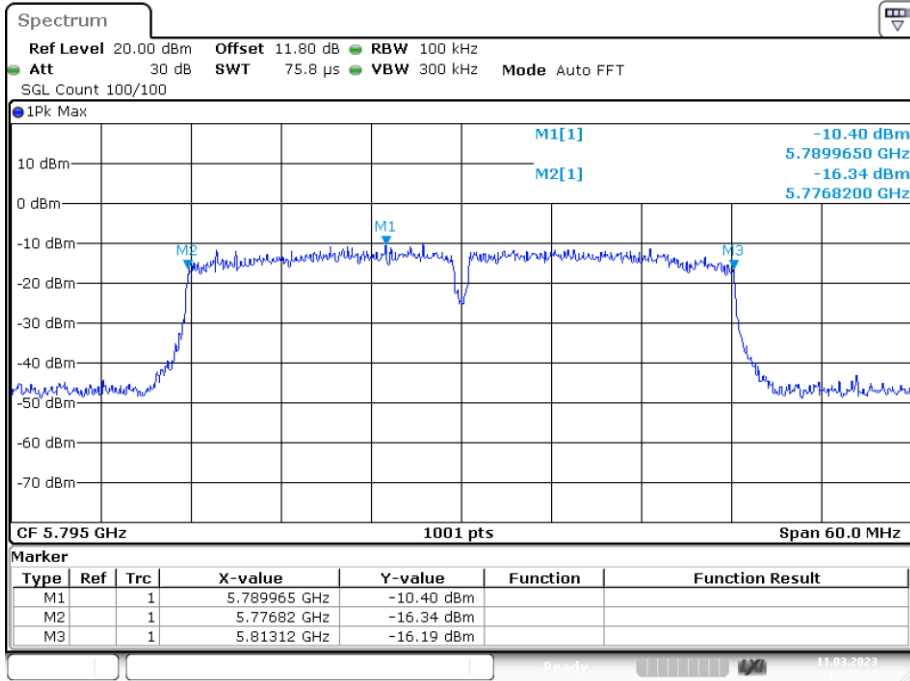
-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1

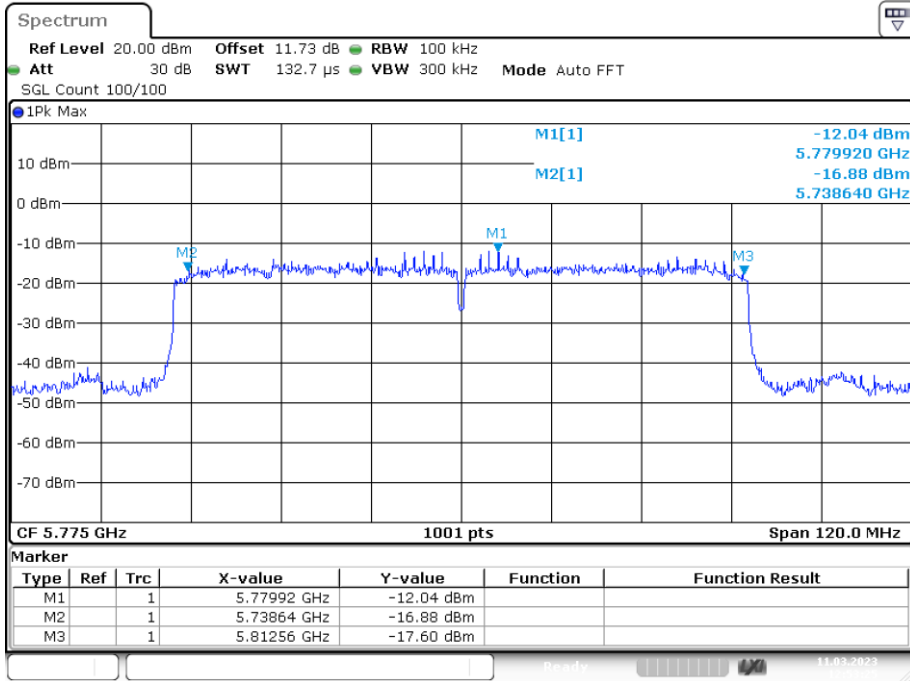


-6dB Bandwidth NVNT ac40 5795MHz Ant1



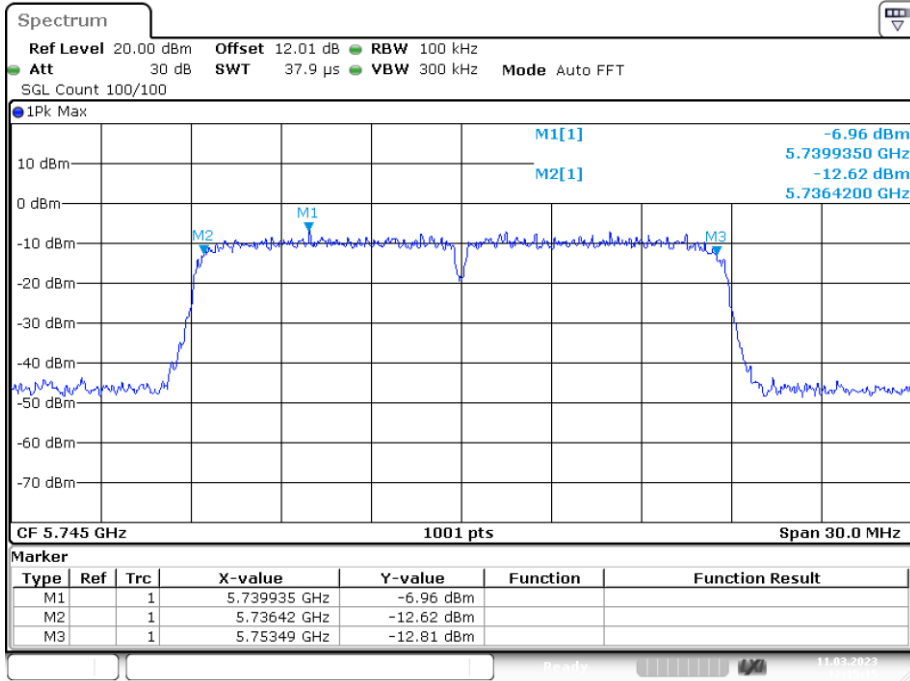
Date: 11.MAR.2023 12:49:27

-6dB Bandwidth NVNT ac80 5775MHz Ant1

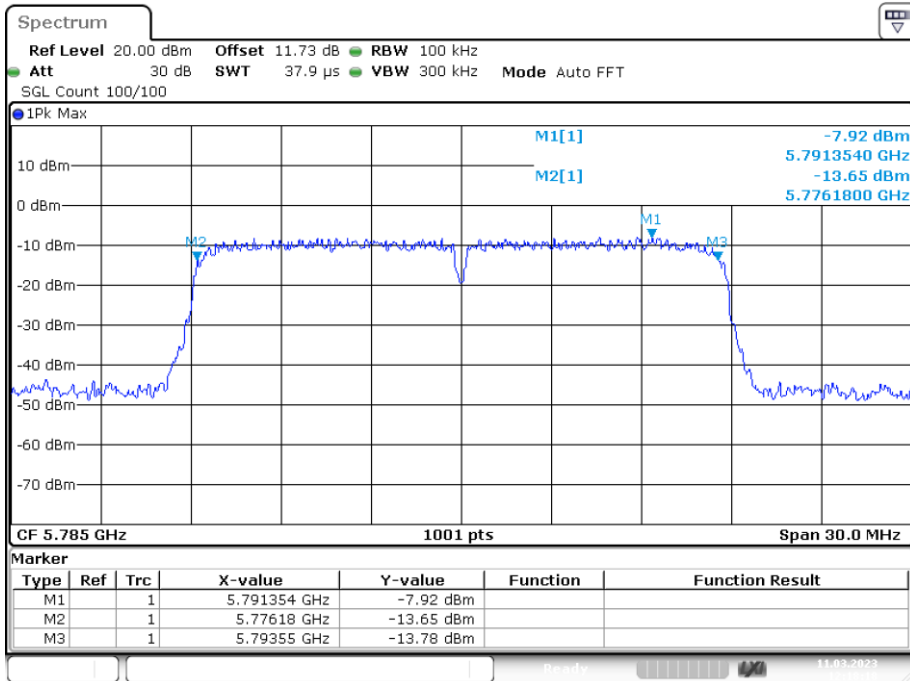


Date: 11.MAR.2023 12:53:25

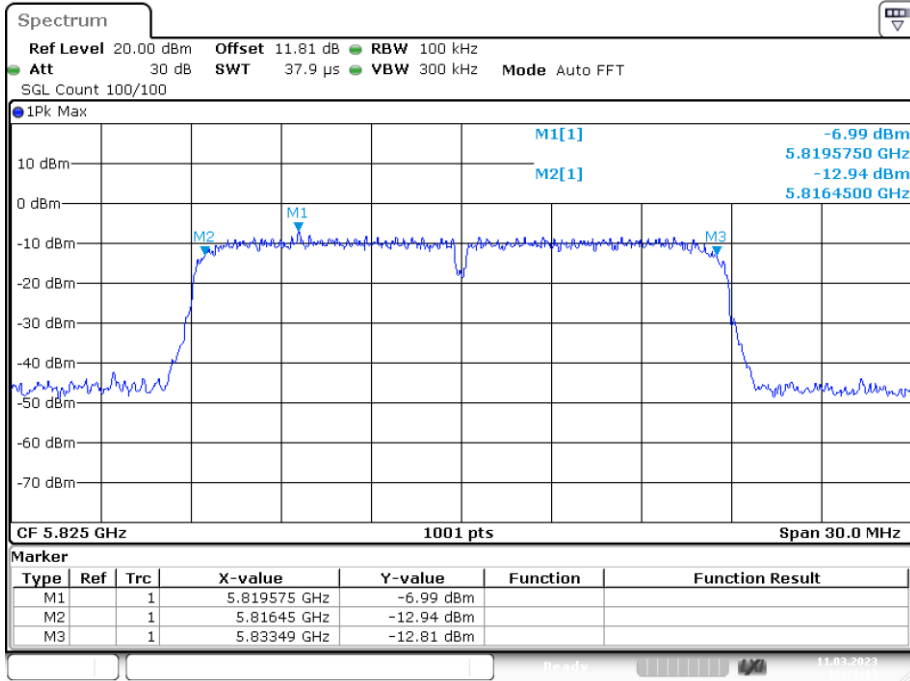
-6dB Bandwidth NVNT n20 5745MHz Ant1



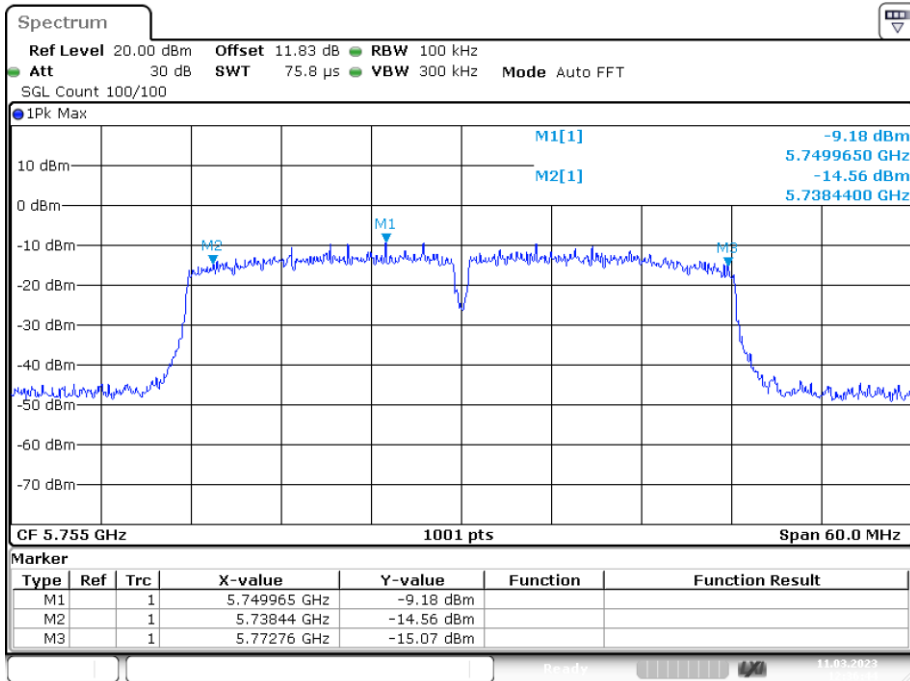
-6dB Bandwidth NVNT n20 5785MHz Ant1

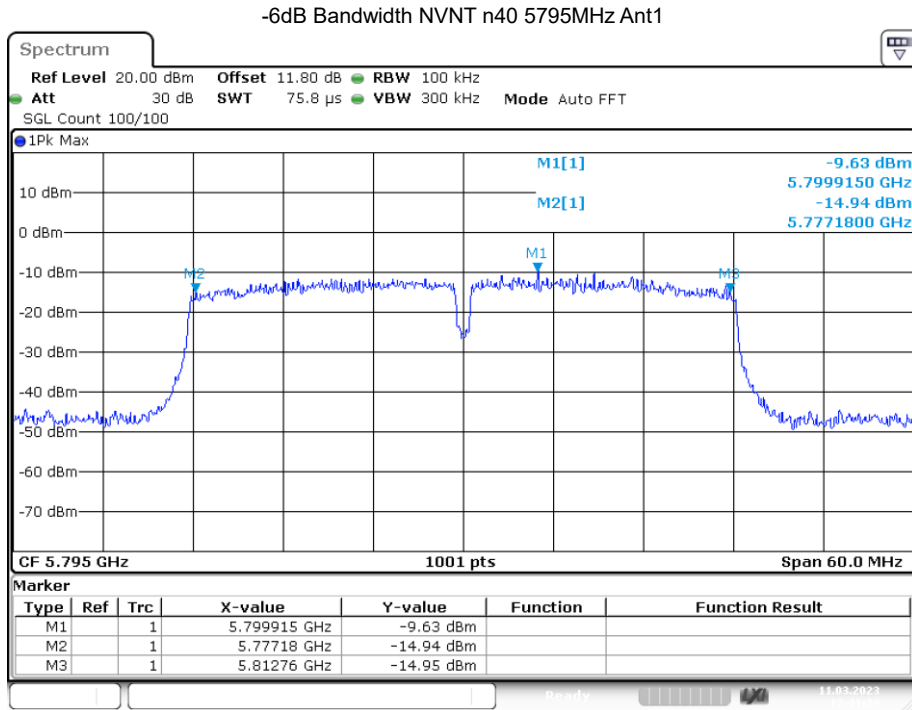


-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1

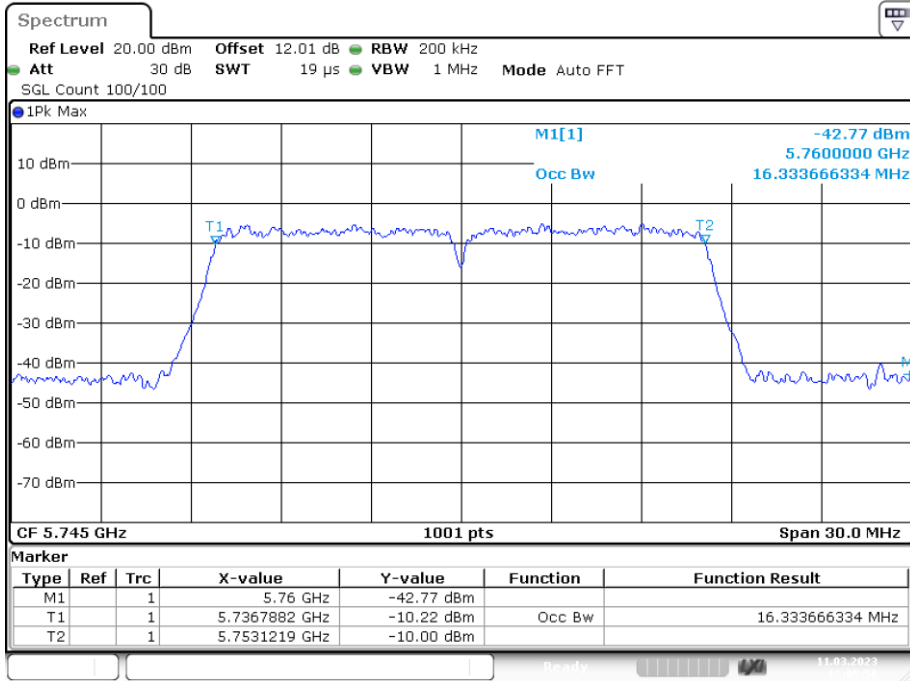




Occupied Channel Bandwidth

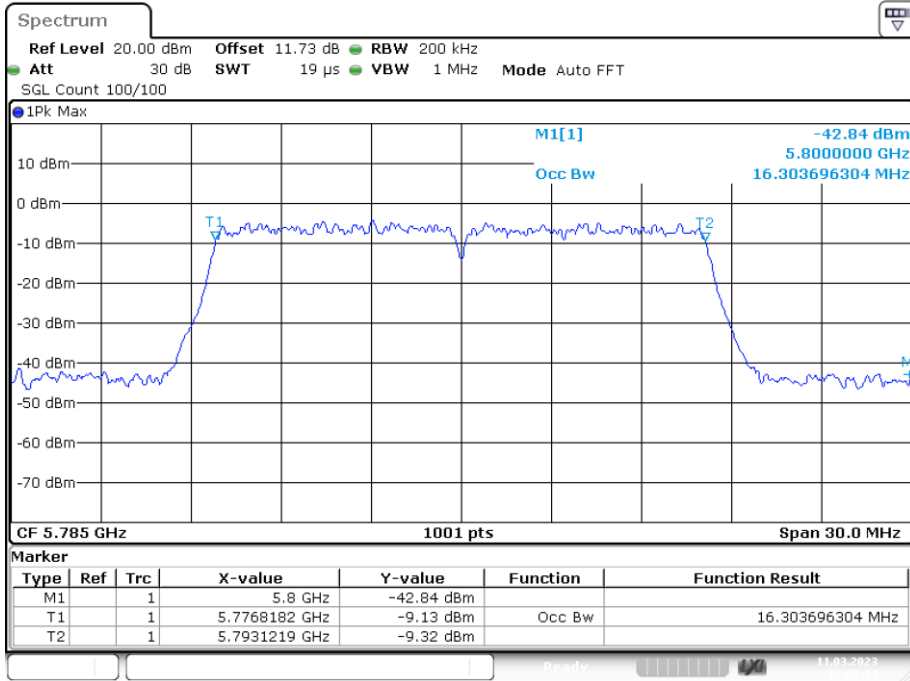
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.334
NVNT	a	5785	Ant1	16.304
NVNT	a	5825	Ant1	16.334
NVNT	ac20	5745	Ant1	17.233
NVNT	ac20	5785	Ant1	17.233
NVNT	ac20	5825	Ant1	17.233
NVNT	ac40	5755	Ant1	35.784
NVNT	ac40	5795	Ant1	35.844
NVNT	ac80	5775	Ant1	75.165
NVNT	n20	5745	Ant1	17.233
NVNT	n20	5785	Ant1	17.203
NVNT	n20	5825	Ant1	17.263
NVNT	n40	5755	Ant1	35.784
NVNT	n40	5795	Ant1	35.784

OBW NVNT a 5745MHz Ant1



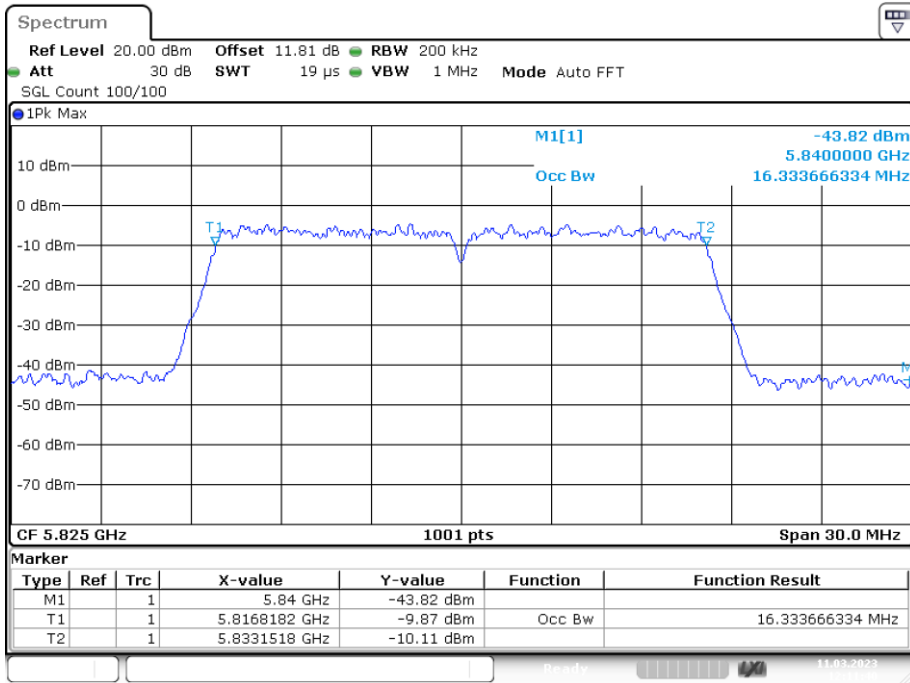
Date: 11.MAR.2023 12:05:56

OBW NVNT a 5785MHz Ant1

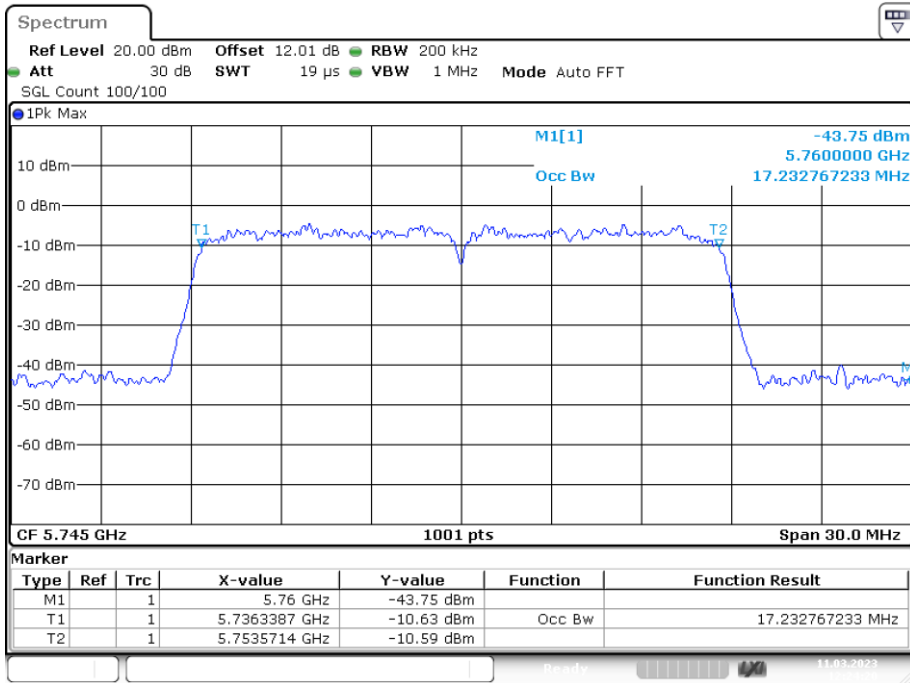


Date: 11.MAR.2023 12:09:13

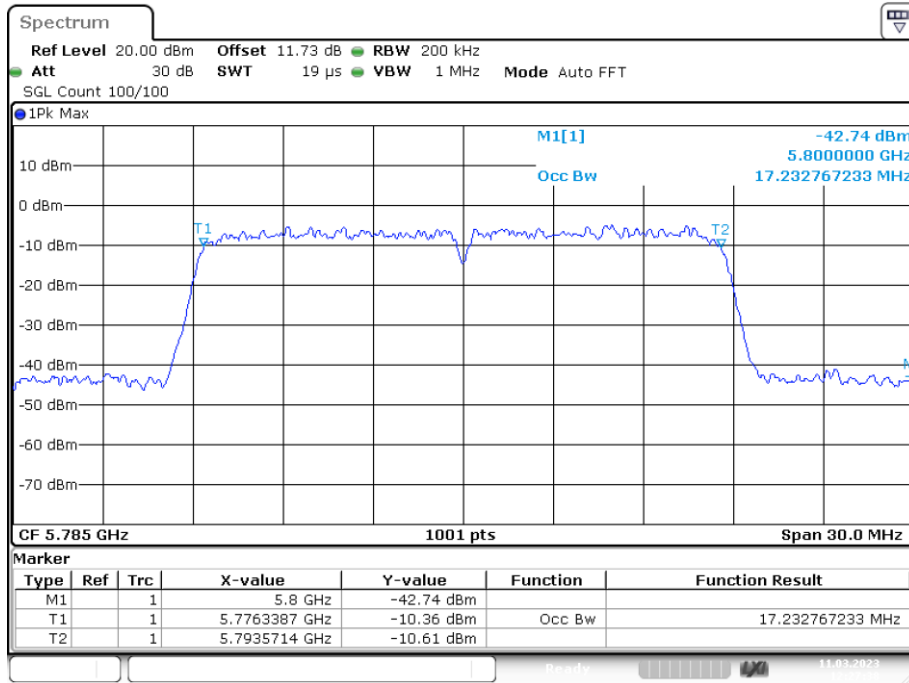
OBW NVNT a 5825MHz Ant1



OBW NVNT ac20 5745MHz Ant1

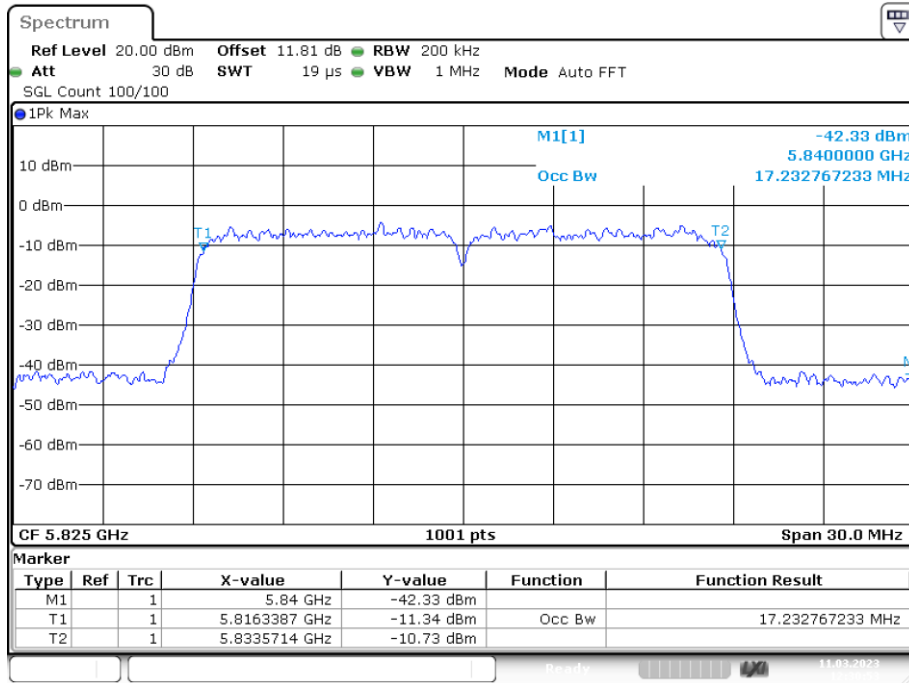


OBW NVNT ac20 5785MHz Ant1



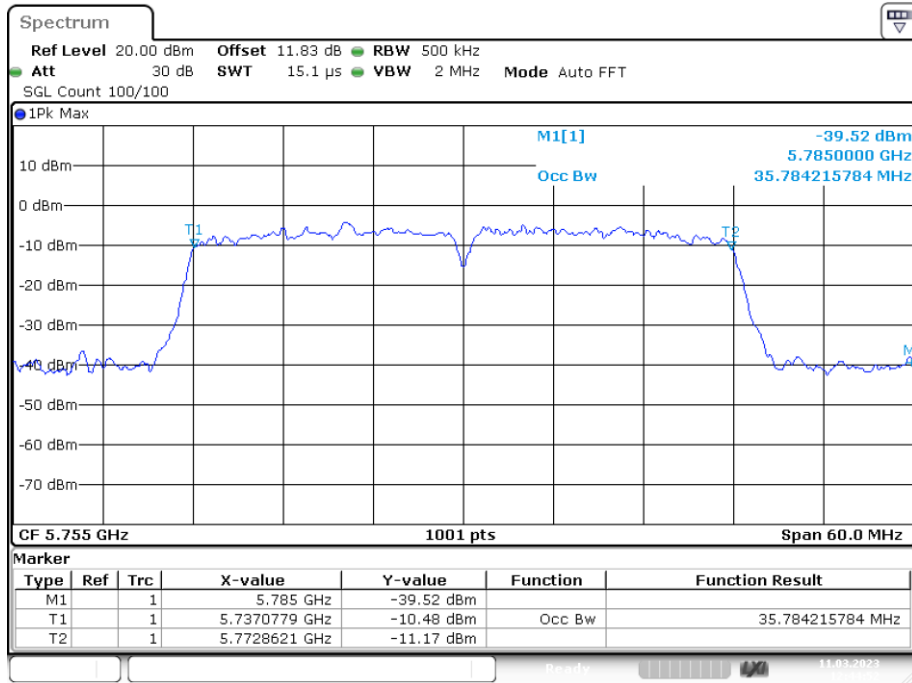
Date: 11.MAR.2023 12:27:38

OBW NVNT ac20 5825MHz Ant1

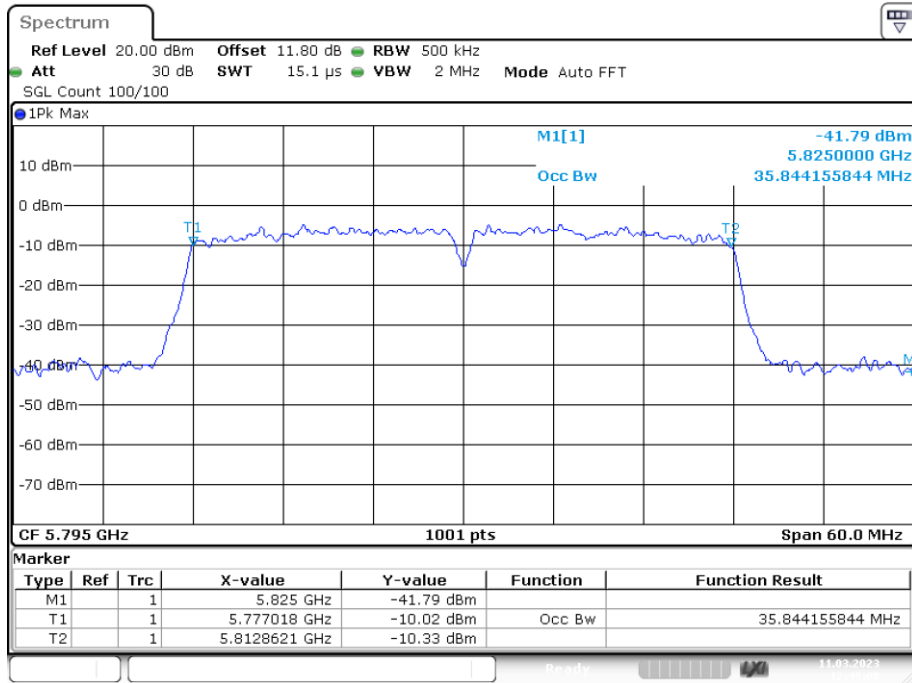


Date: 11.MAR.2023 12:30:53

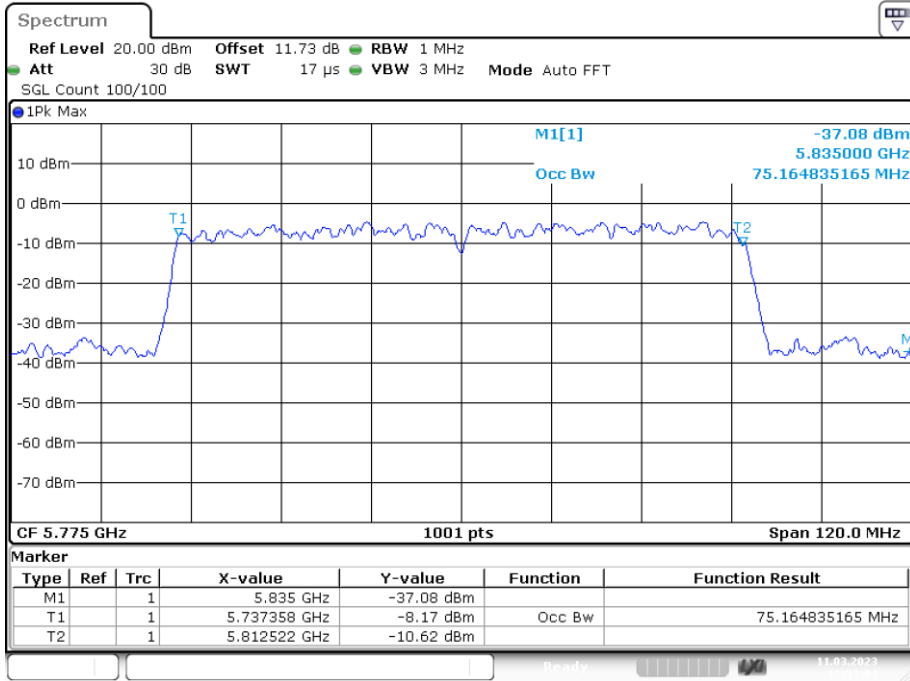
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1

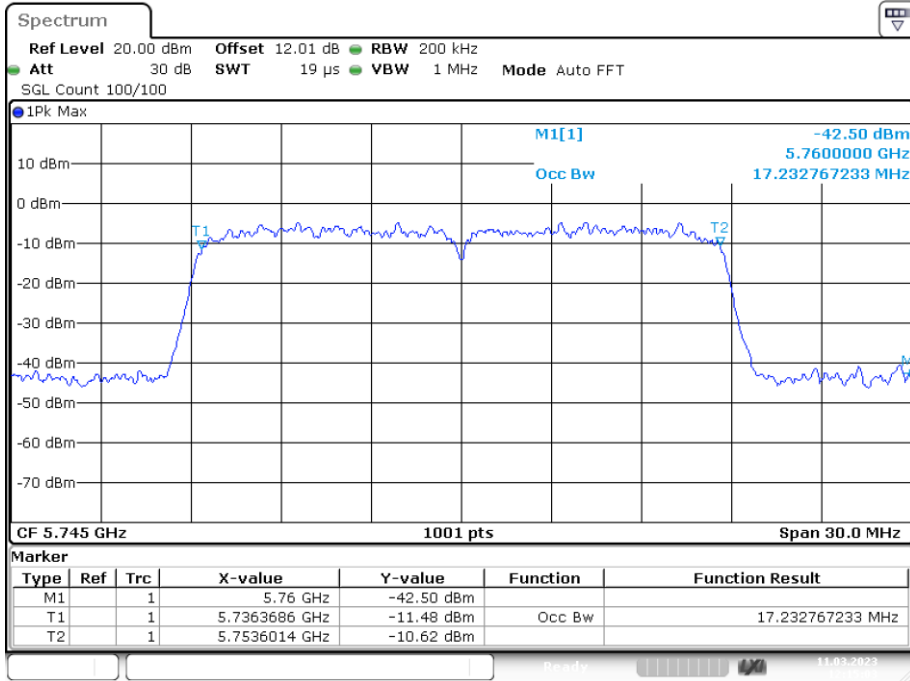


OBW NVNT ac80 5775MHz Ant1



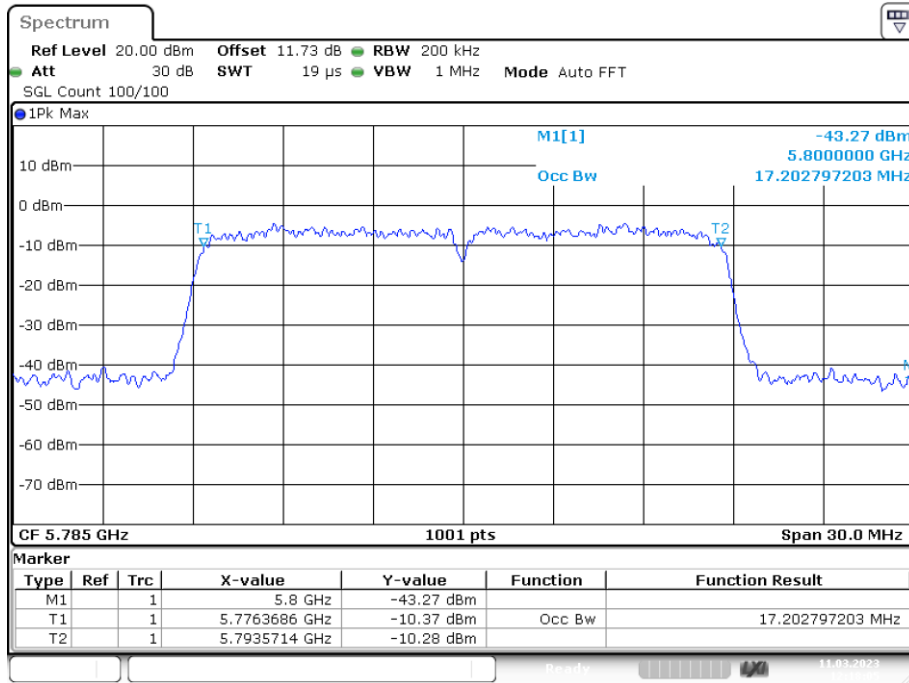
Date: 11.MAR.2023 12:53:04

OBW NVNT n20 5745MHz Ant1



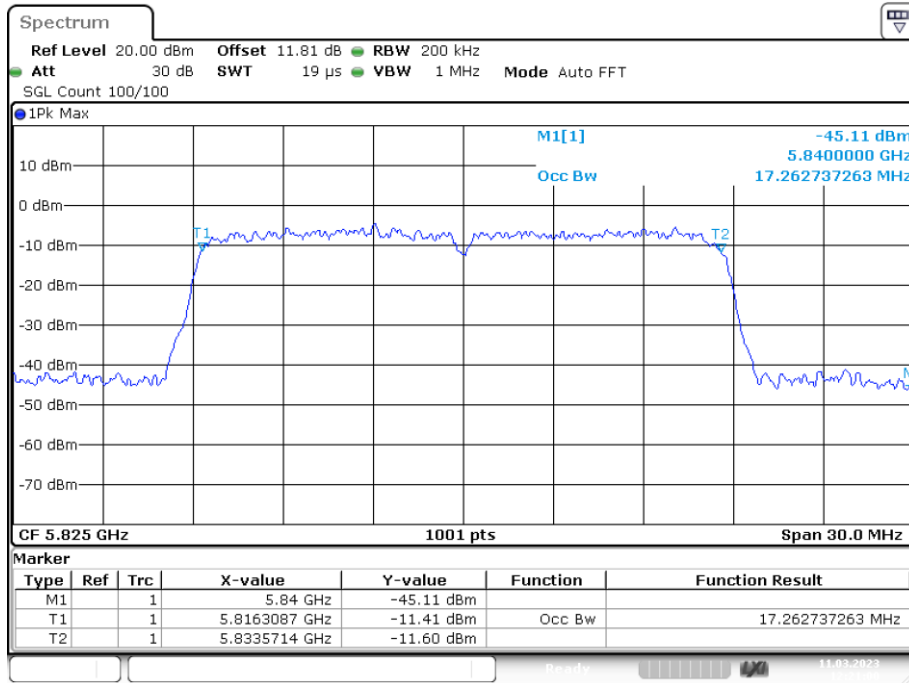
Date: 11.MAR.2023 12:15:03

OBW NVNT n20 5785MHz Ant1



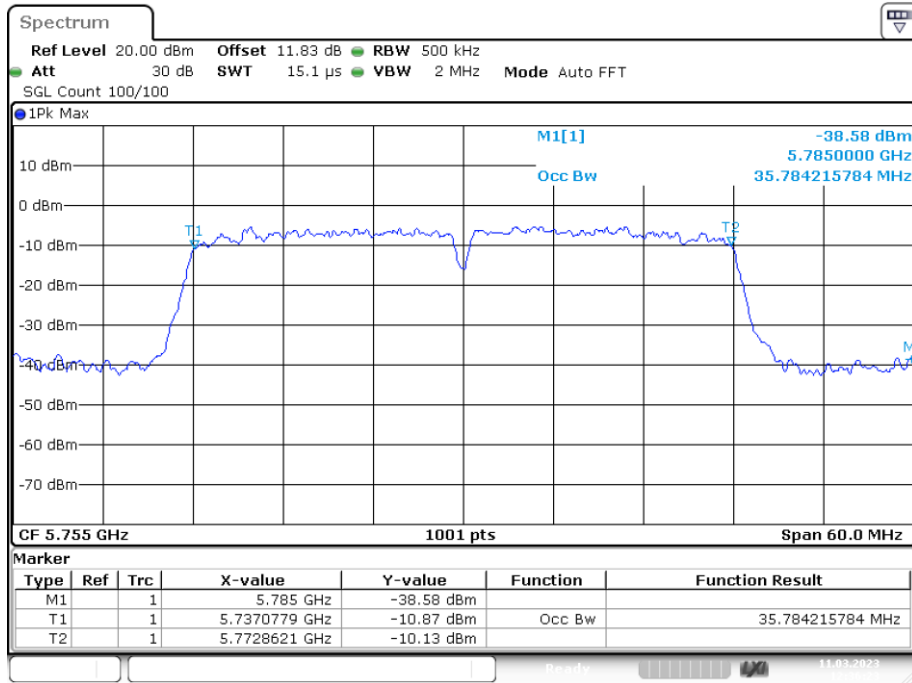
Date: 11.MAR.2023 12:18:05

OBW NVNT n20 5825MHz Ant1

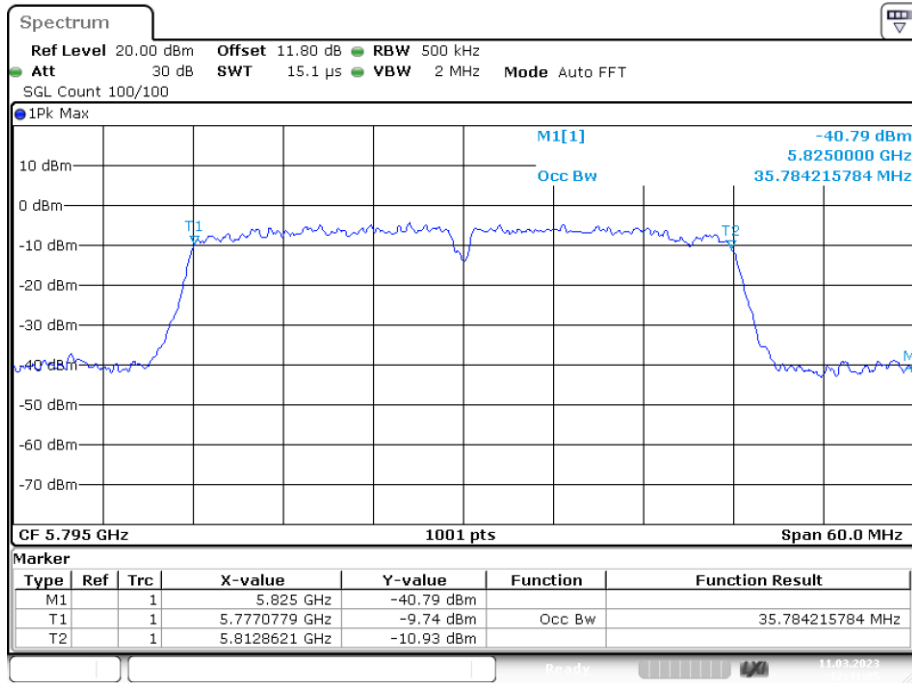


Date: 11.MAR.2023 12:20:59

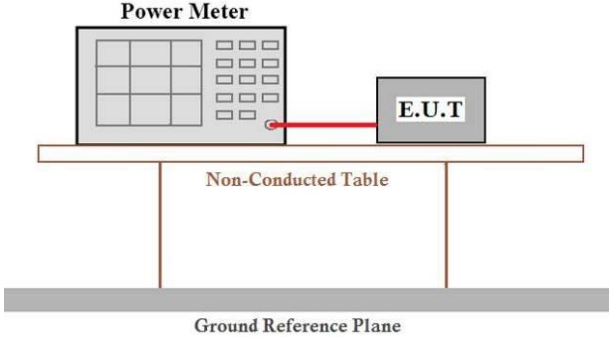
OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



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:	 <p>The diagram illustrates the test setup. A Power Meter is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test procedure:	<p>Measurement using an RF average power meter</p> <p>(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</p> <ol style="list-style-type: none"> The EUT is configured to transmit continuously or to transmit with a constant duty cycle. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. <p>(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B).</p> <p>(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.</p> <p>(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).</p>
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	16.665	0	16.665	24	Pass
NVNT	a	5200	Ant1	16.279	0	16.279	24	Pass
NVNT	a	5240	Ant1	16.326	0	16.326	24	Pass
NVNT	ac20	5180	Ant1	16.412	0	16.412	24	Pass
NVNT	ac20	5200	Ant1	16.239	0	16.239	24	Pass
NVNT	ac20	5240	Ant1	16.493	0	16.493	24	Pass
NVNT	ac40	5190	Ant1	15.624	0	15.624	24	Pass
NVNT	ac40	5230	Ant1	15.715	0	15.715	24	Pass
NVNT	ac80	5210	Ant1	16.741	0	16.741	24	Pass
NVNT	n20	5180	Ant1	16.527	0	16.527	24	Pass
NVNT	n20	5200	Ant1	16.521	0	16.521	24	Pass
NVNT	n20	5240	Ant1	16.006	0	16.006	24	Pass
NVNT	n40	5190	Ant1	15.937	0	15.937	24	Pass
NVNT	n40	5230	Ant1	15.859	0	15.859	24	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	16.319	0	16.319	24	Pass
NVNT	a	5280	Ant1	16.555	0	16.555	24	Pass
NVNT	a	5320	Ant1	16.675	0	16.675	24	Pass
NVNT	ac20	5260	Ant1	16.664	0	16.664	24	Pass
NVNT	ac20	5280	Ant1	16.865	0	16.865	24	Pass
NVNT	ac20	5320	Ant1	17.082	0	17.082	24	Pass
NVNT	ac40	5270	Ant1	16.687	0	16.687	24	Pass
NVNT	ac40	5310	Ant1	16.839	0	16.839	24	Pass
NVNT	ac80	5290	Ant1	16.937	0	16.937	24	Pass
NVNT	n20	5260	Ant1	16.547	0	16.547	24	Pass
NVNT	n20	5280	Ant1	16.94	0	16.94	24	Pass
NVNT	n20	5320	Ant1	16.947	0	16.947	24	Pass
NVNT	n40	5270	Ant1	16.65	0	16.65	24	Pass
NVNT	n40	5310	Ant1	16.717	0	16.717	24	Pass

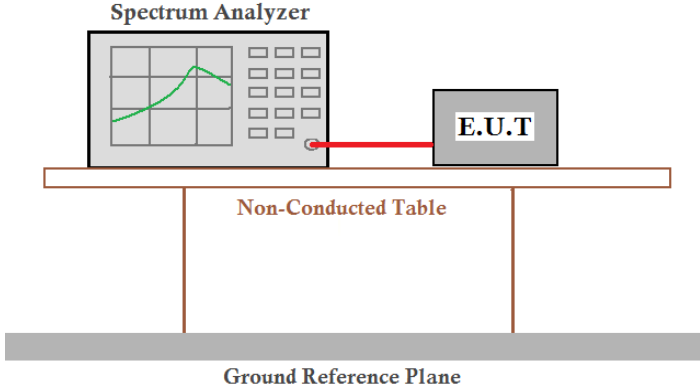
Band 3 (5450 -5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	16.995	0	16.995	24	Pass
NVNT	a	5580	Ant1	16.915	0	16.915	24	Pass
NVNT	a	5700	Ant1	16.251	0	16.251	24	Pass
NVNT	ac20	5500	Ant1	16.732	0	16.732	24	Pass
NVNT	ac20	5580	Ant1	16.998	0	16.998	24	Pass
NVNT	ac20	5700	Ant1	16.378	0	16.378	24	Pass
NVNT	ac40	5510	Ant1	17.013	0	17.013	24	Pass
NVNT	ac40	5670	Ant1	16.42	0	16.42	24	Pass
NVNT	ac80	5530	Ant1	17.016	0	17.016	24	Pass
NVNT	n20	5500	Ant1	16.571	0	16.571	24	Pass
NVNT	n20	5580	Ant1	16.839	0	16.839	24	Pass
NVNT	n20	5700	Ant1	16.32	0	16.32	24	Pass
NVNT	n40	5510	Ant1	17.022	0	17.022	24	Pass
NVNT	n40	5670	Ant1	16.484	0	16.484	24	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	16.109	0	16.109	30	Pass
NVNT	a	5785	Ant1	16.631	0	16.631	30	Pass
NVNT	a	5825	Ant1	16.443	0	16.443	30	Pass
NVNT	ac20	5745	Ant1	16.473	0	16.473	30	Pass
NVNT	ac20	5785	Ant1	16.325	0	16.325	30	Pass
NVNT	ac20	5825	Ant1	16.331	0	16.331	30	Pass
NVNT	ac40	5755	Ant1	15.555	0	15.555	30	Pass
NVNT	ac40	5795	Ant1	15.727	0	15.727	30	Pass
NVNT	ac80	5775	Ant1	15.586	0	15.586	30	Pass
NVNT	n20	5745	Ant1	16.096	0	16.096	30	Pass
NVNT	n20	5785	Ant1	16.422	0	16.422	30	Pass
NVNT	n20	5825	Ant1	16.357	0	16.357	30	Pass
NVNT	n40	5755	Ant1	15.477	0	15.477	30	Pass
NVNT	n40	5795	Ant1	15.734	0	15.734	30	Pass

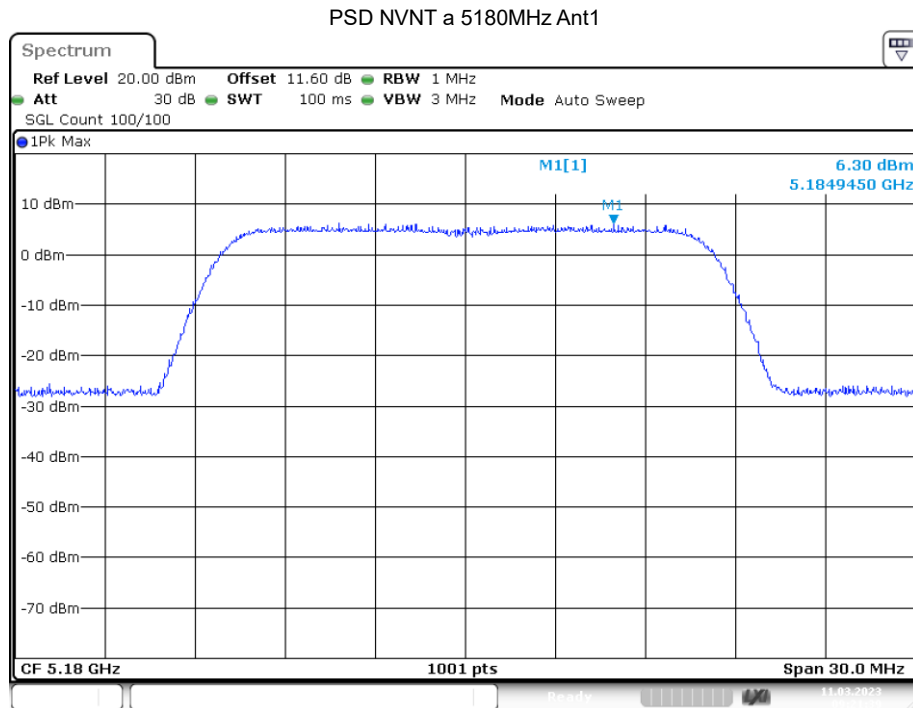
4.5 Power Spectral Density

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:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test procedure:	<ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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

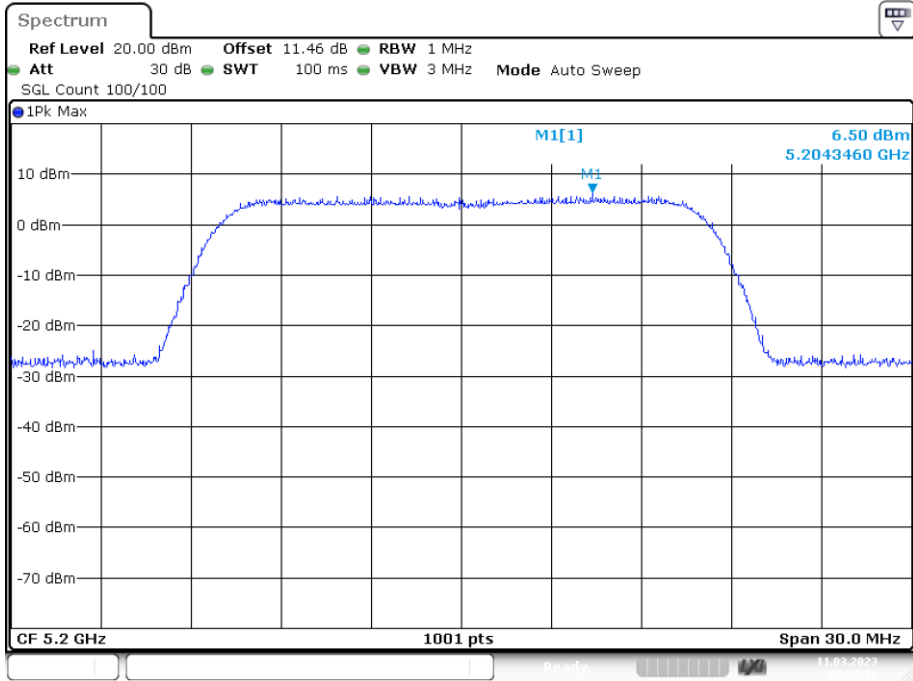
Measurement Data

Band 1 (5150-5250 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.299	11	Pass
NVNT	a	5200	Ant1	6.5	11	Pass
NVNT	a	5240	Ant1	6.391	11	Pass
NVNT	ac20	5180	Ant1	6.042	11	Pass
NVNT	ac20	5200	Ant1	5.829	11	Pass
NVNT	ac20	5240	Ant1	6.264	11	Pass
NVNT	ac40	5190	Ant1	2.038	11	Pass
NVNT	ac40	5230	Ant1	2.096	11	Pass
NVNT	ac80	5210	Ant1	0.139	11	Pass
NVNT	n20	5180	Ant1	6.426	11	Pass
NVNT	n20	5200	Ant1	5.97	11	Pass
NVNT	n20	5240	Ant1	5.85	11	Pass
NVNT	n40	5190	Ant1	2.409	11	Pass
NVNT	n40	5230	Ant1	2.654	11	Pass

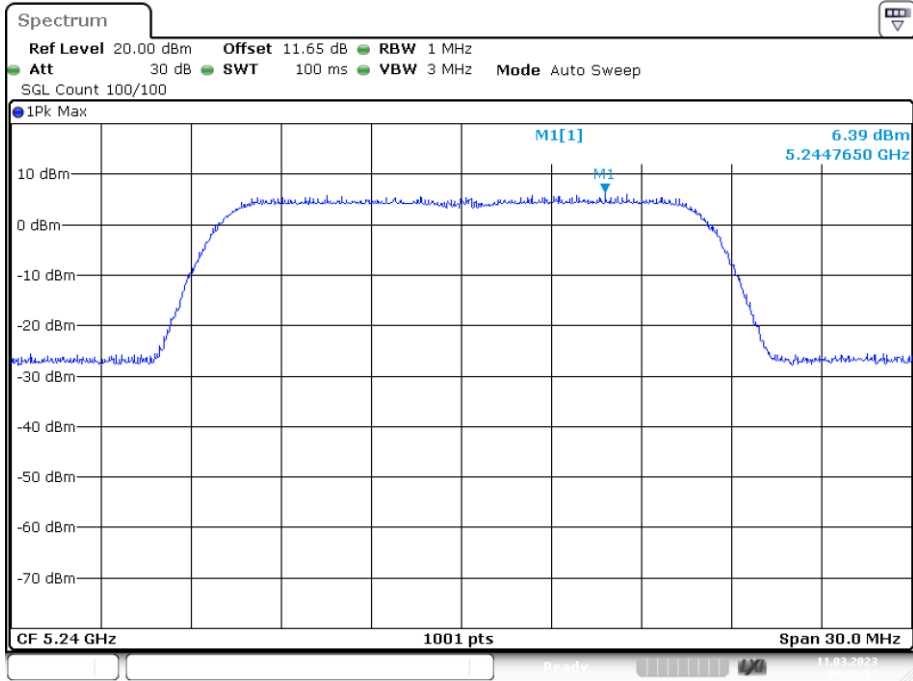


PSD NVNT a 5200MHz Ant1



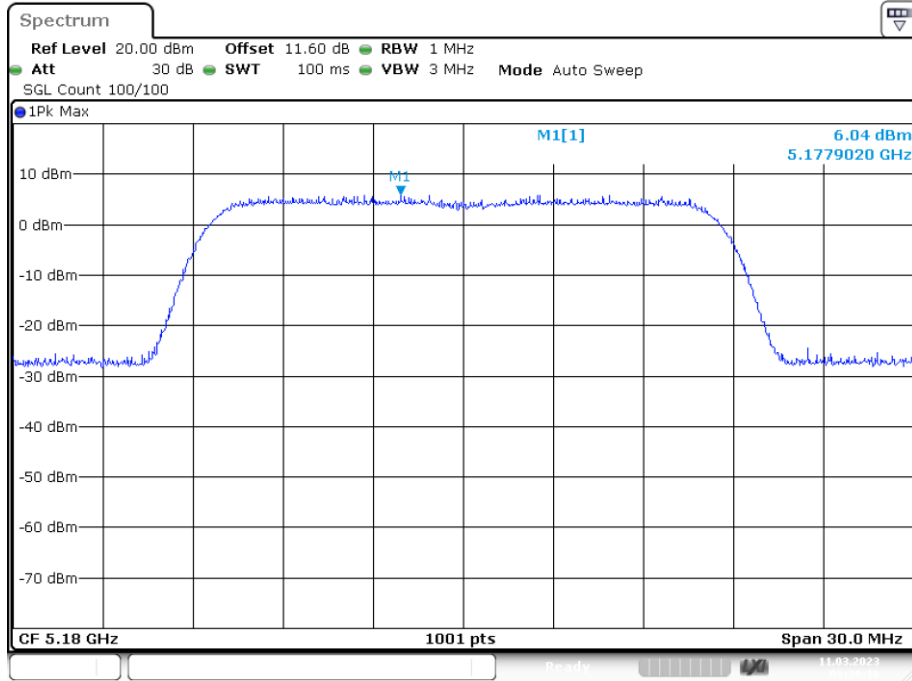
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PSD NVNT a 5240MHz Ant1



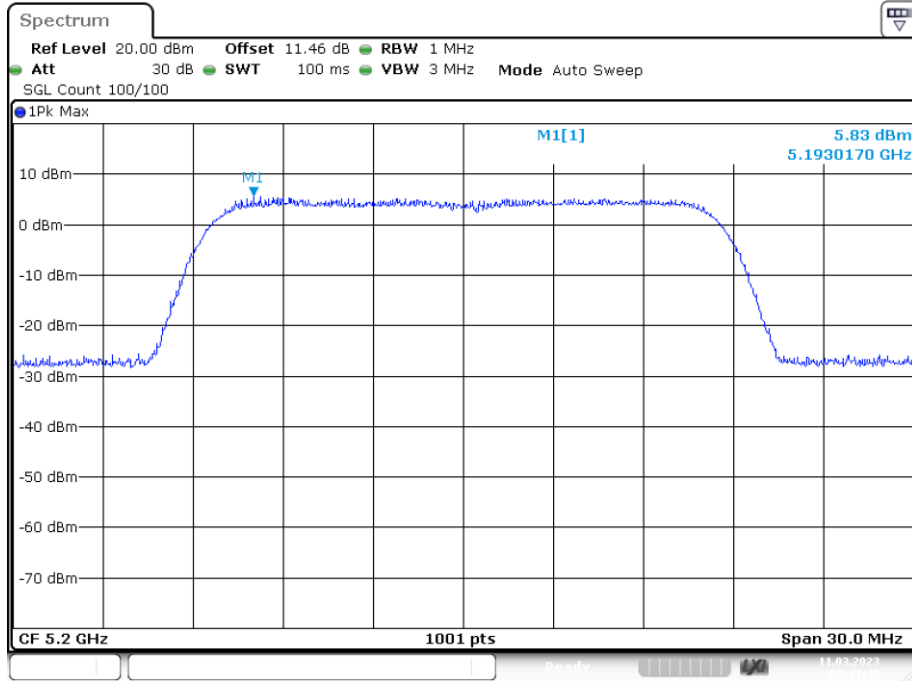
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PSD NVNT ac20 5180MHz Ant1



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PSD NVNT ac20 5200MHz Ant1



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