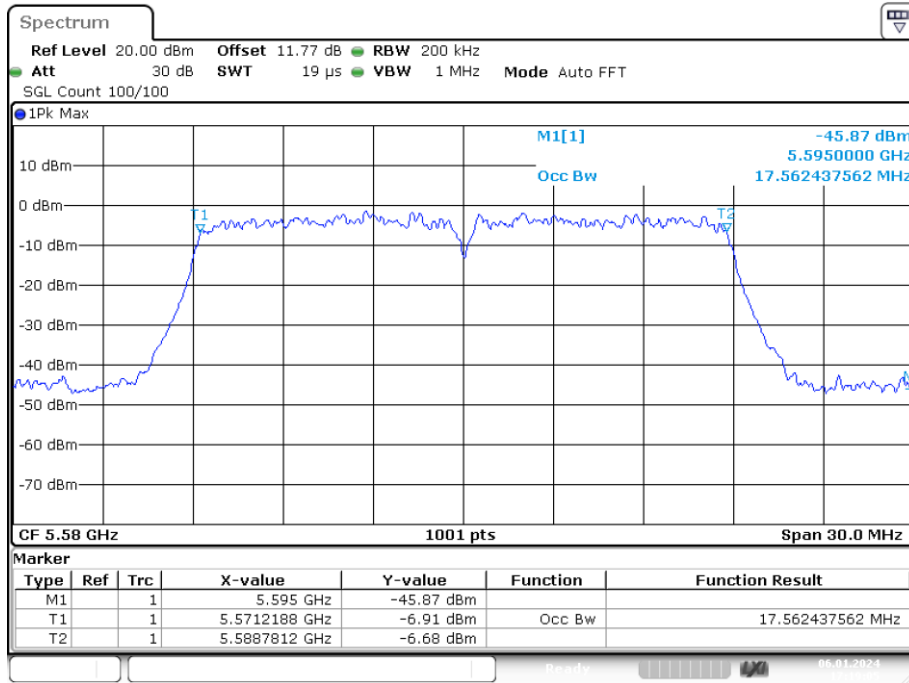
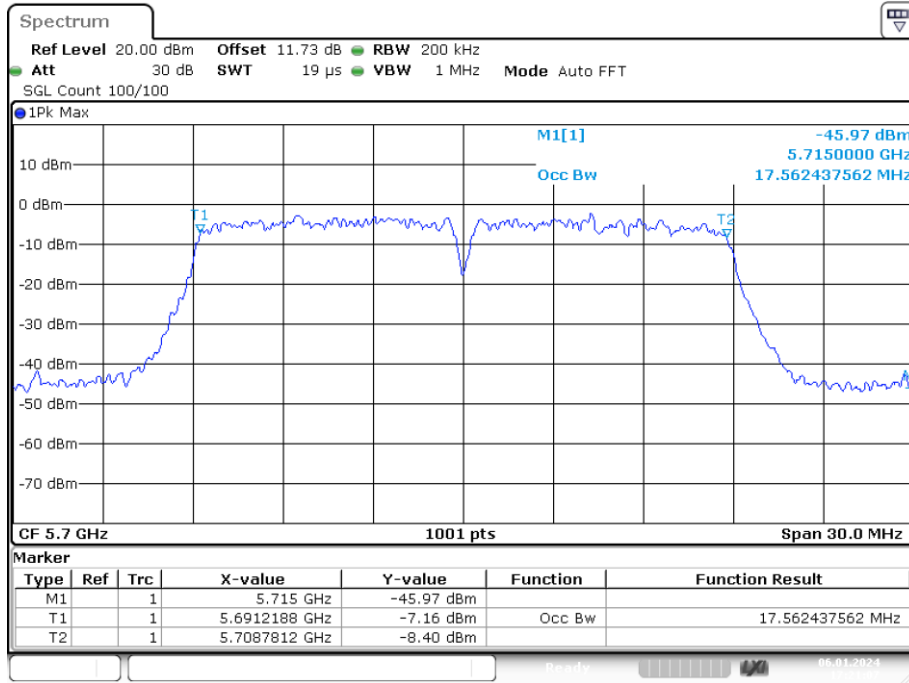


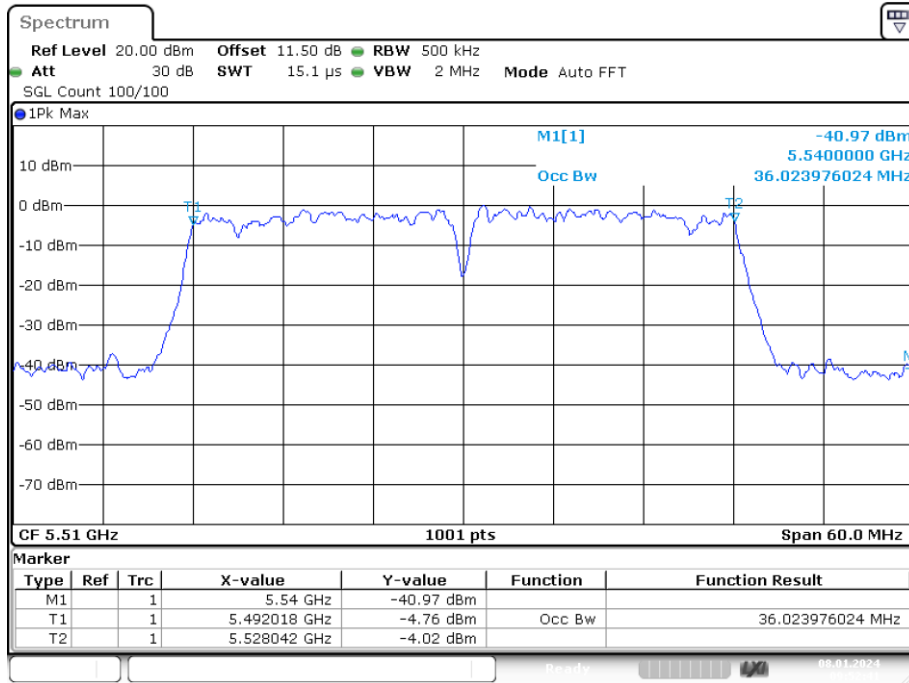
OBW NVNT n20 5580MHz Ant1



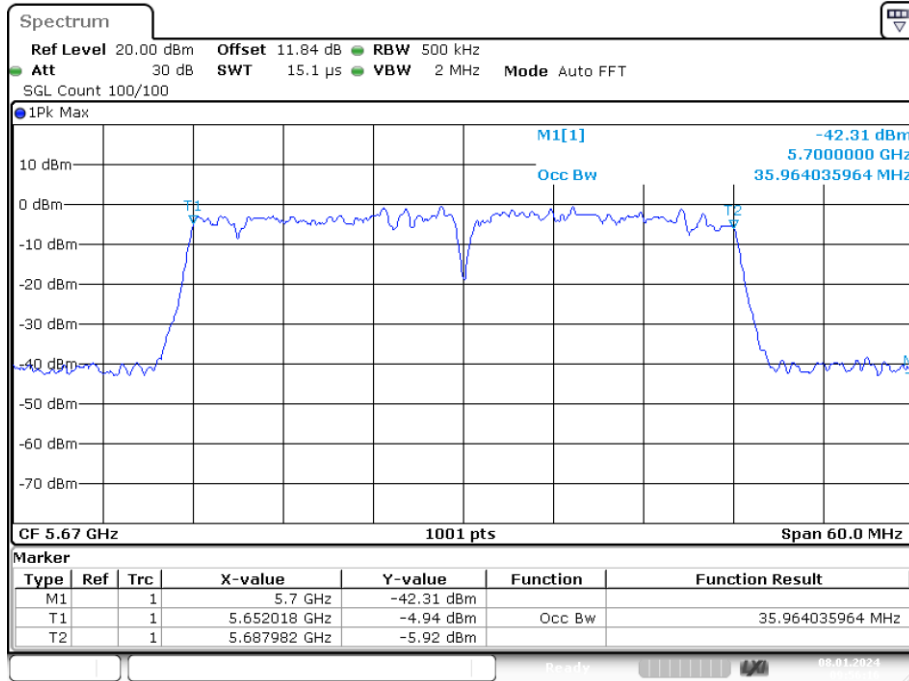
OBW NVNT n20 5700MHz Ant1



OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5670MHz Ant1

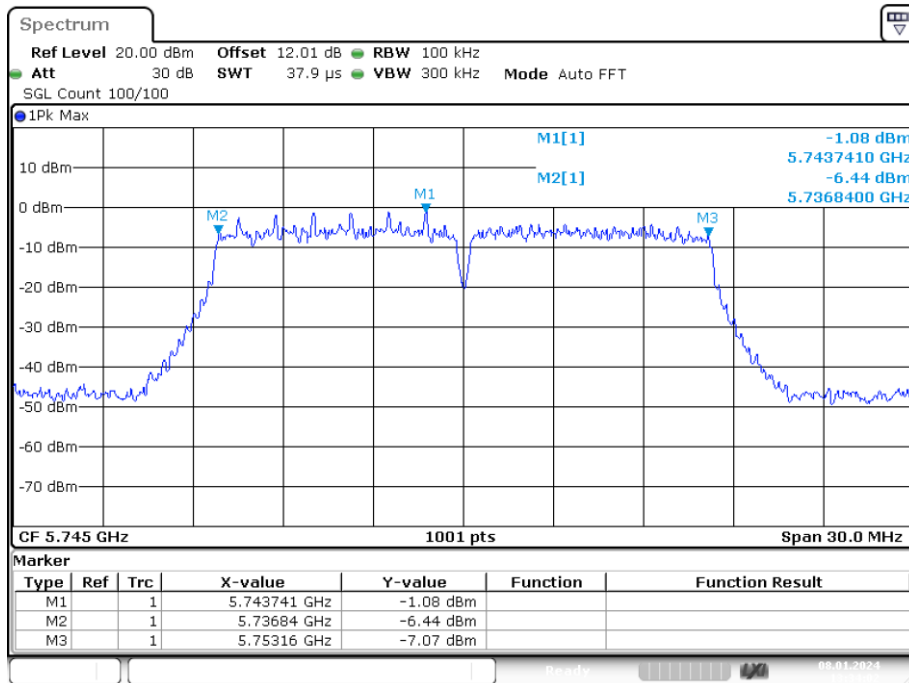


Band 4 (5725-5850 MHz):

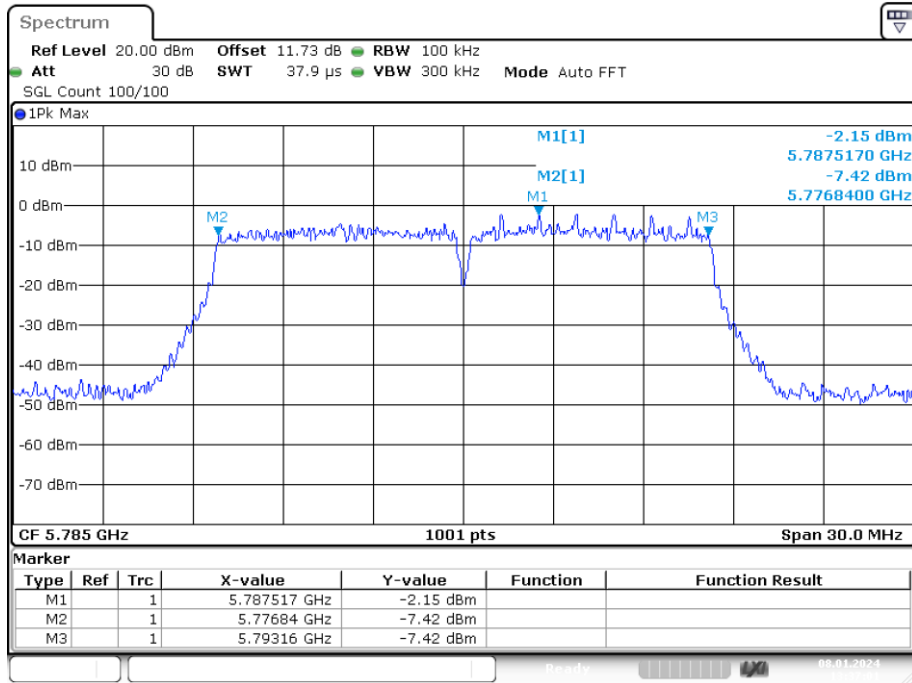
-6dB Bandwidth

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	16.32	0.5	Pass
NVNT	a	5825	Ant1	16.41	0.5	Pass
NVNT	ac20	5745	Ant1	17.58	0.5	Pass
NVNT	ac20	5785	Ant1	17.31	0.5	Pass
NVNT	ac20	5825	Ant1	17.64	0.5	Pass
NVNT	ac40	5755	Ant1	34.44	0.5	Pass
NVNT	ac40	5795	Ant1	36.12	0.5	Pass
NVNT	ac80	5775	Ant1	76.44	0.5	Pass
NVNT	ax20	5745	Ant1	19.05	0.5	Pass
NVNT	ax20	5785	Ant1	18.96	0.5	Pass
NVNT	ax20	5825	Ant1	19.08	0.5	Pass
NVNT	ax40	5755	Ant1	35.34	0.5	Pass
NVNT	ax40	5795	Ant1	37.92	0.5	Pass
NVNT	ax80	5775	Ant1	77.28	0.5	Pass
NVNT	n20	5745	Ant1	17.58	0.5	Pass
NVNT	n20	5785	Ant1	17.19	0.5	Pass
NVNT	n20	5825	Ant1	17.61	0.5	Pass
NVNT	n40	5755	Ant1	36.36	0.5	Pass
NVNT	n40	5795	Ant1	36.3	0.5	Pass

-6dB Bandwidth NVNT a 5745MHz Ant1

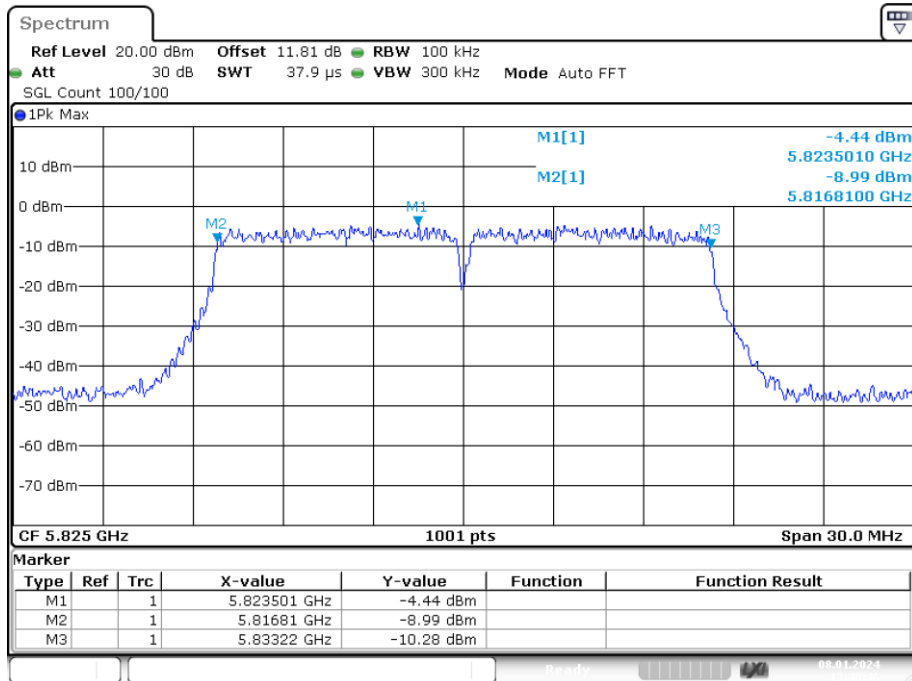


-6dB Bandwidth NVNT a 5785MHz Ant1



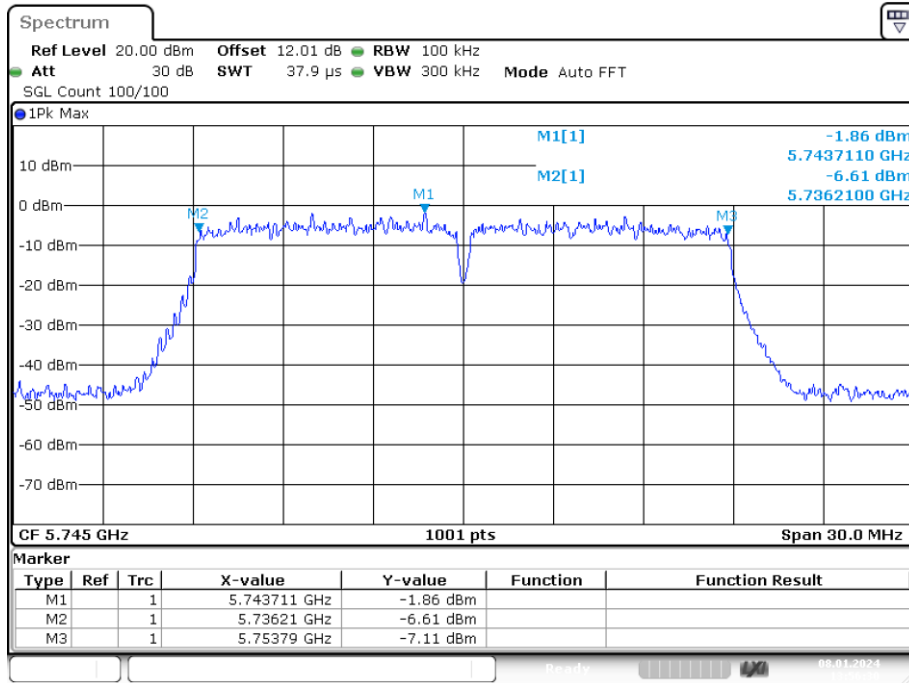
Date: 8.JAN.2024 13:37:01

-6dB Bandwidth NVNT a 5825MHz Ant1



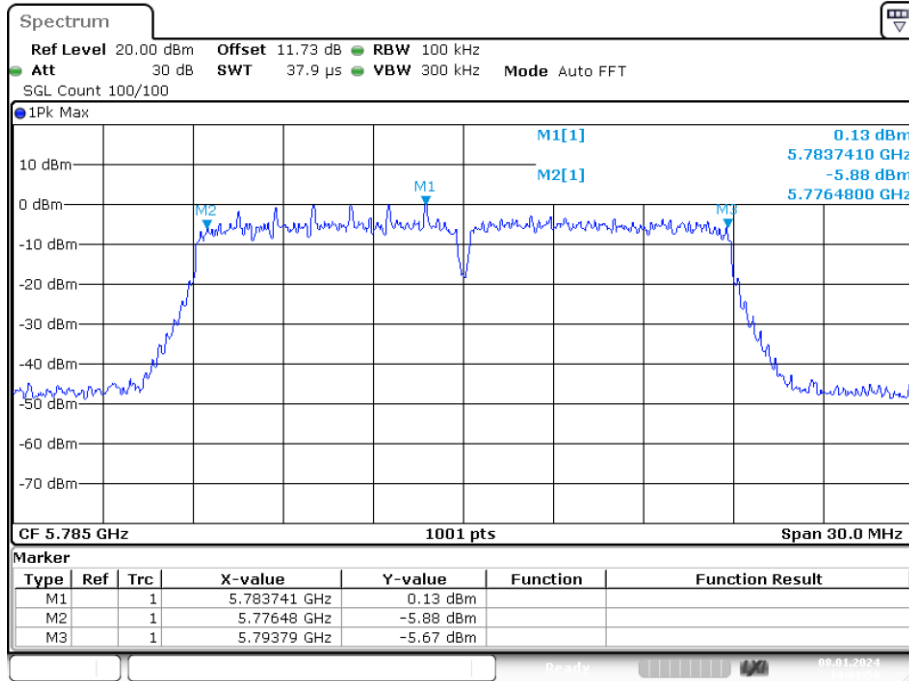
Date: 8.JAN.2024 13:40:46

-6dB Bandwidth NVNT ac20 5745MHz Ant1



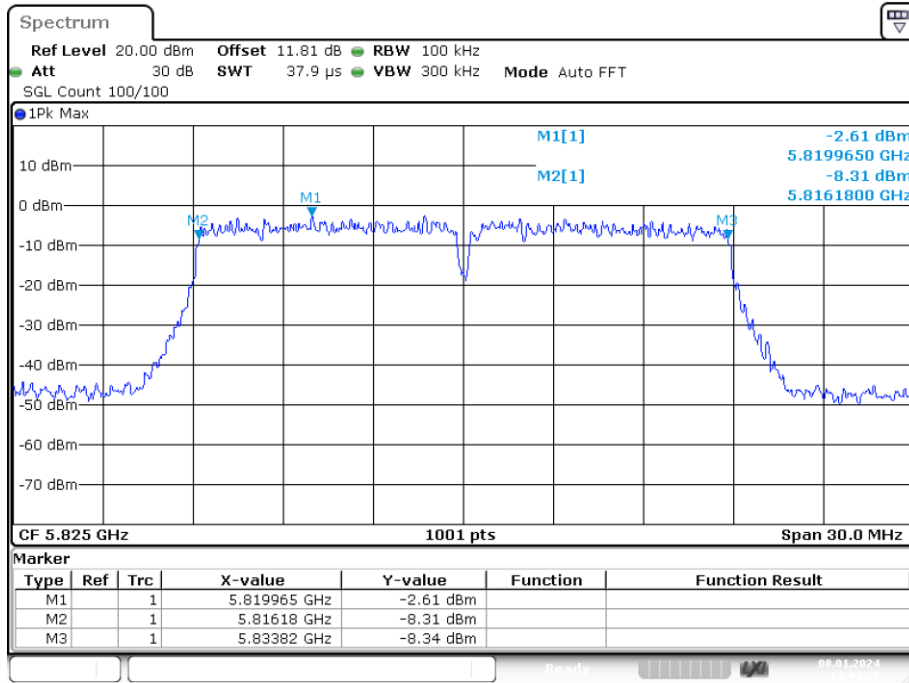
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-6dB Bandwidth NVNT ac20 5785MHz Ant1



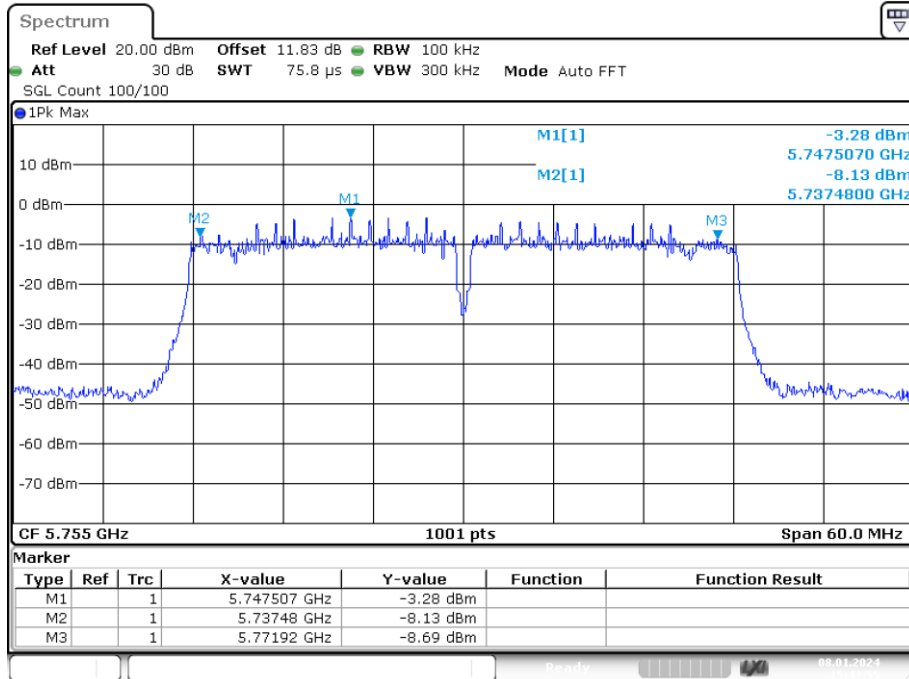
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-6dB Bandwidth NVNT ac20 5825MHz Ant1



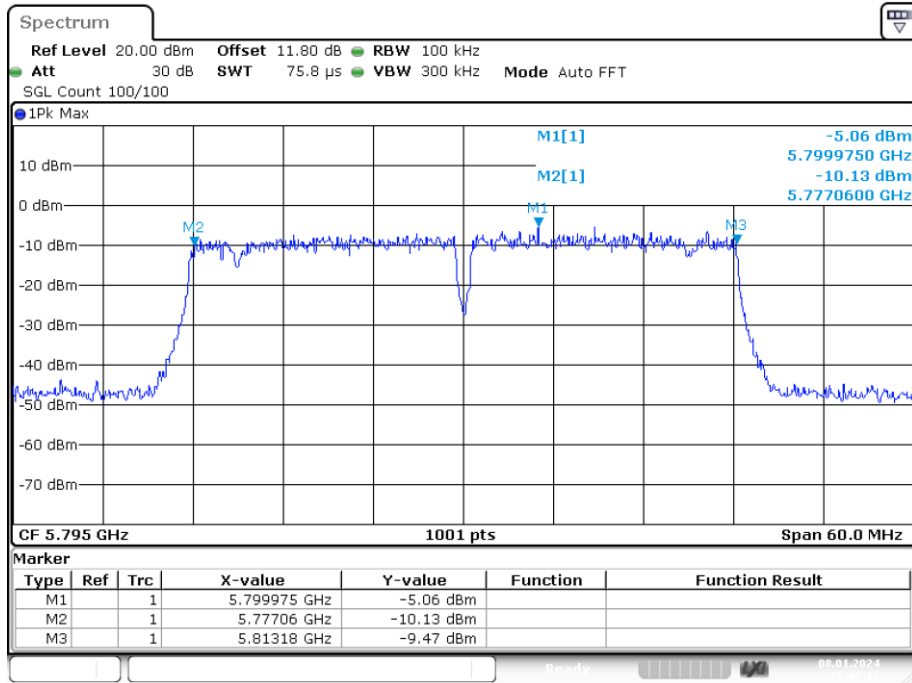
Date: 8.JAN.2024 14:04:26

-6dB Bandwidth NVNT ac40 5755MHz Ant1



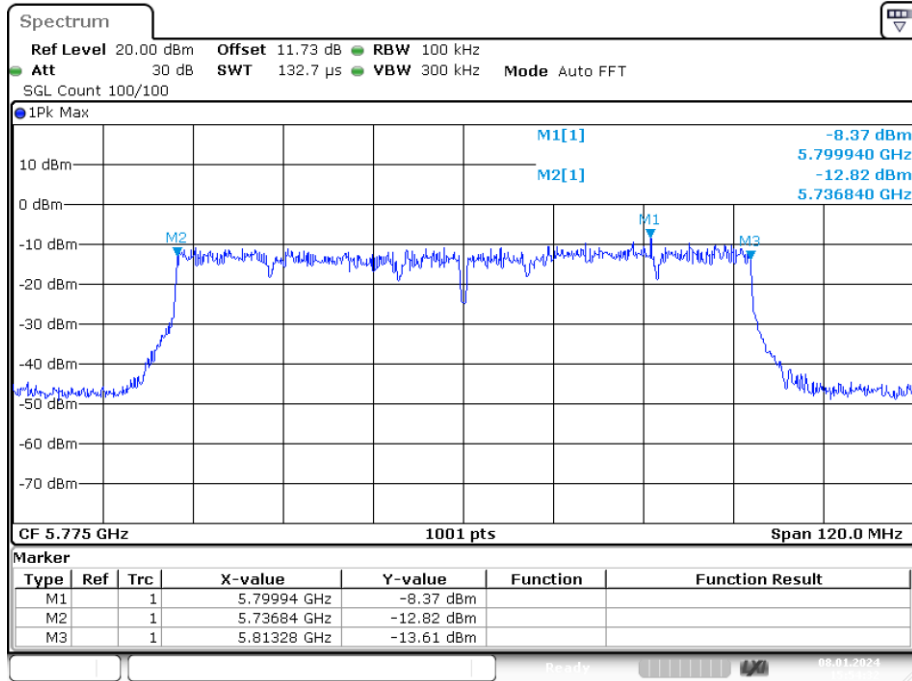
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-6dB Bandwidth NVNT ac40 5795MHz Ant1



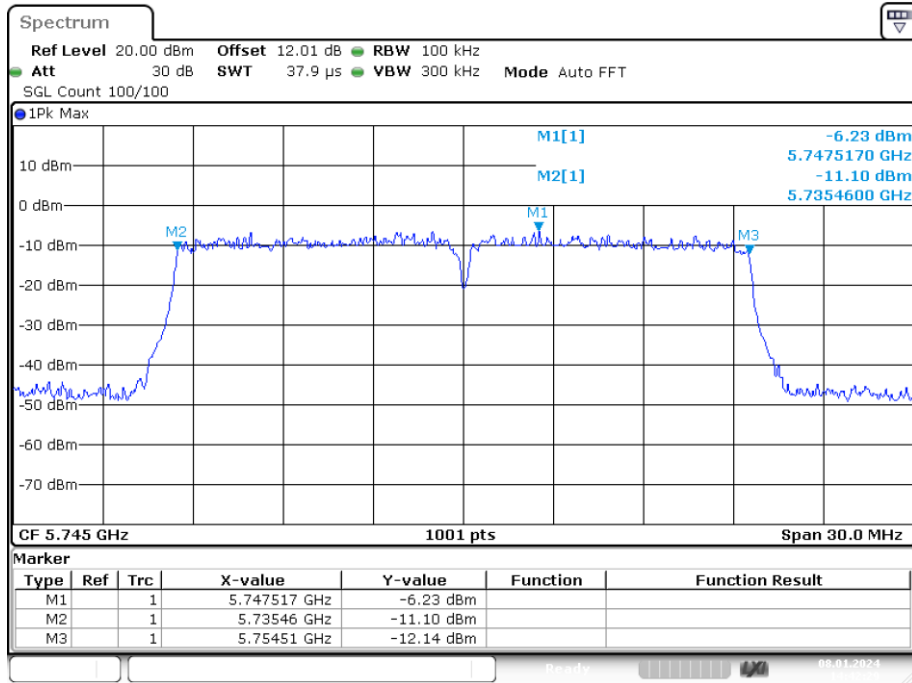
Date: 8.JAN.2024 15:47:10

-6dB Bandwidth NVNT ac80 5775MHz Ant1



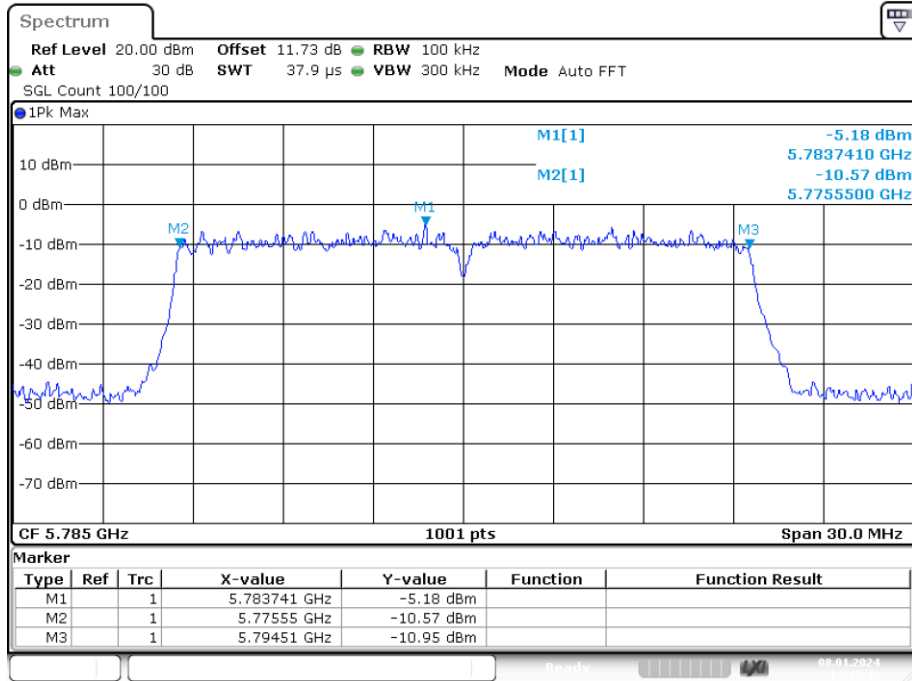
Date: 8.JAN.2024 15:54:31

-6dB Bandwidth NVNT ax20 5745MHz Ant1



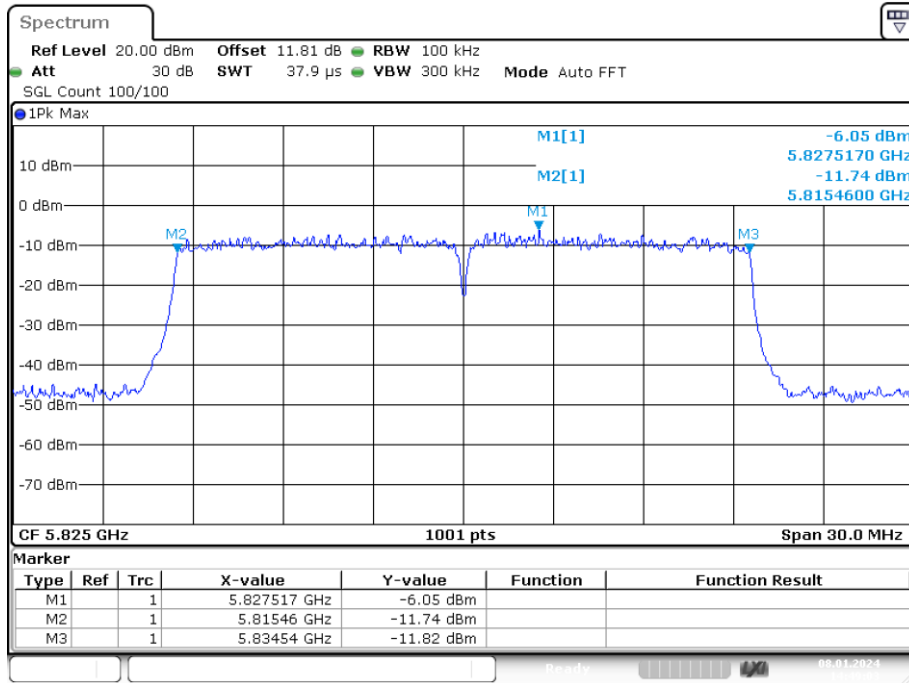
Date: 8.JAN.2024 14:42:28

-6dB Bandwidth NVNT ax20 5785MHz Ant1



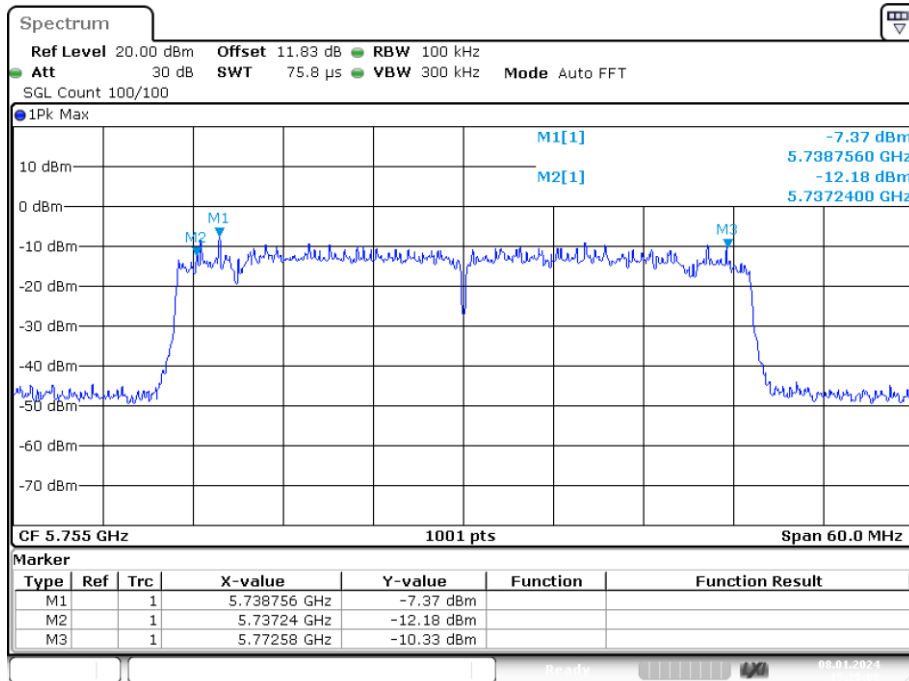
Date: 8.JAN.2024 14:45:49

-6dB Bandwidth NVNT ax20 5825MHz Ant1



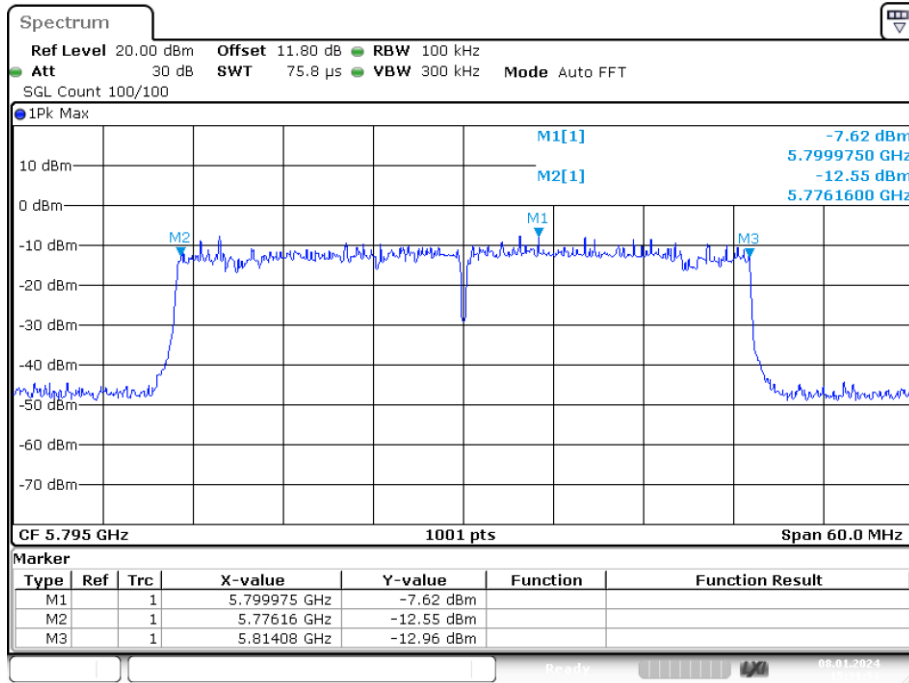
Date: 8.JAN.2024 14:49:03

-6dB Bandwidth NVNT ax40 5755MHz Ant1



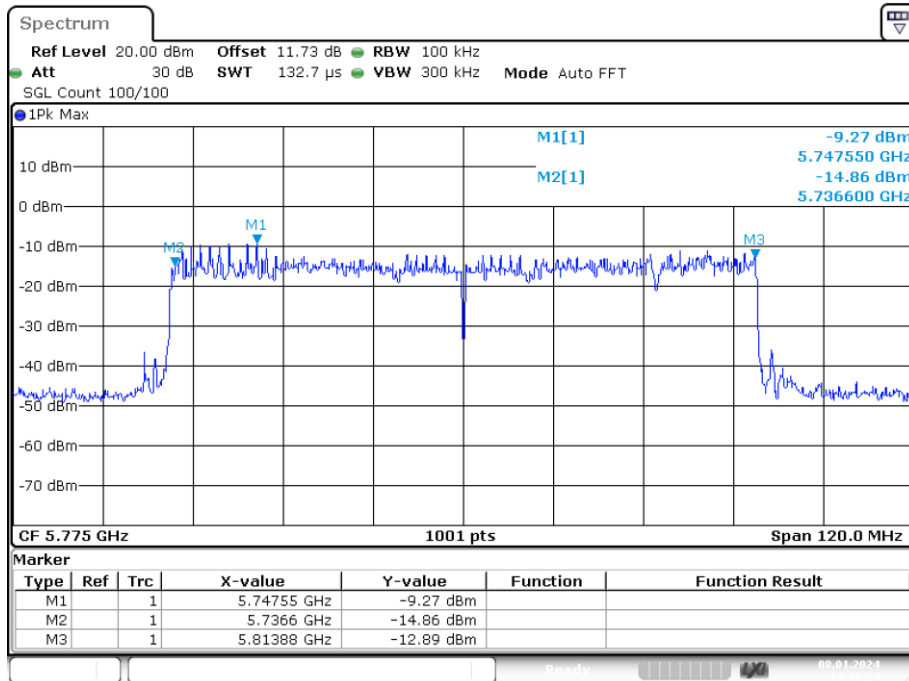
Date: 8.JAN.2024 15:25:07

-6dB Bandwidth NVNT ax40 5795MHz Ant1



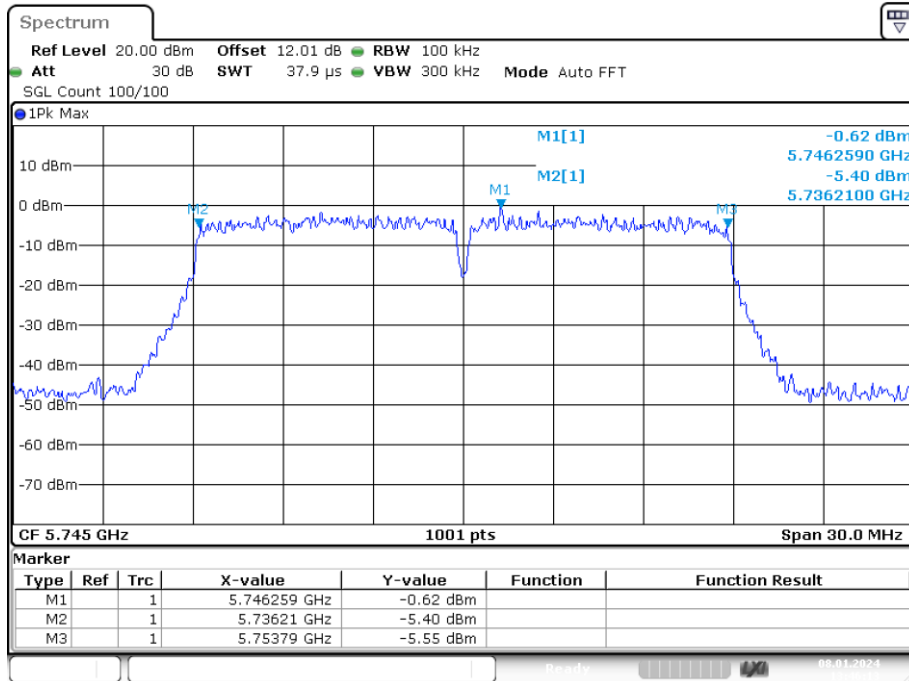
Date: 8.JAN.2024 15:31:52

-6dB Bandwidth NVNT ax80 5775MHz Ant1

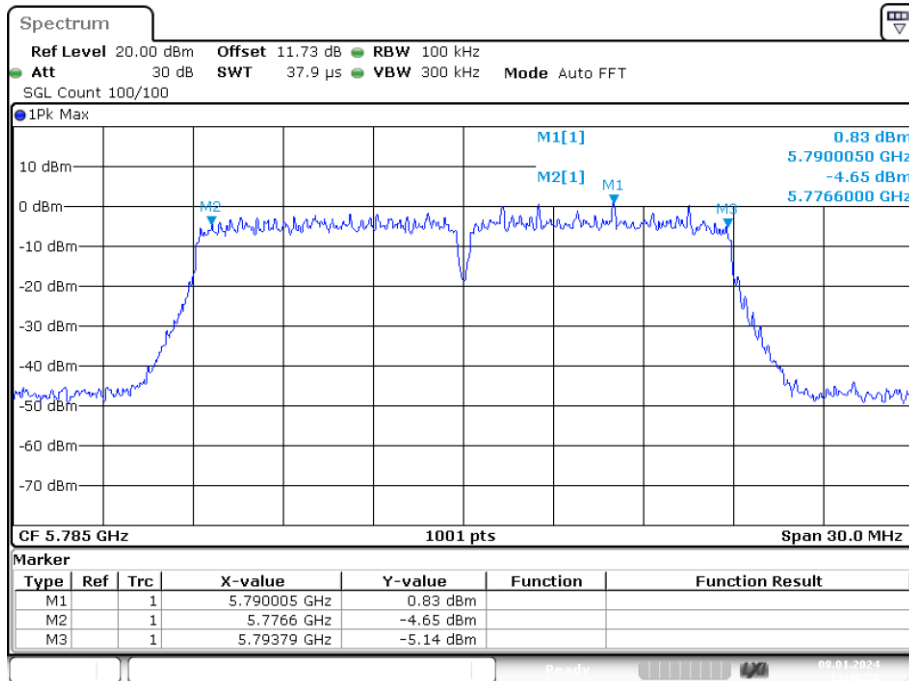


Date: 8.JAN.2024 14:39:24

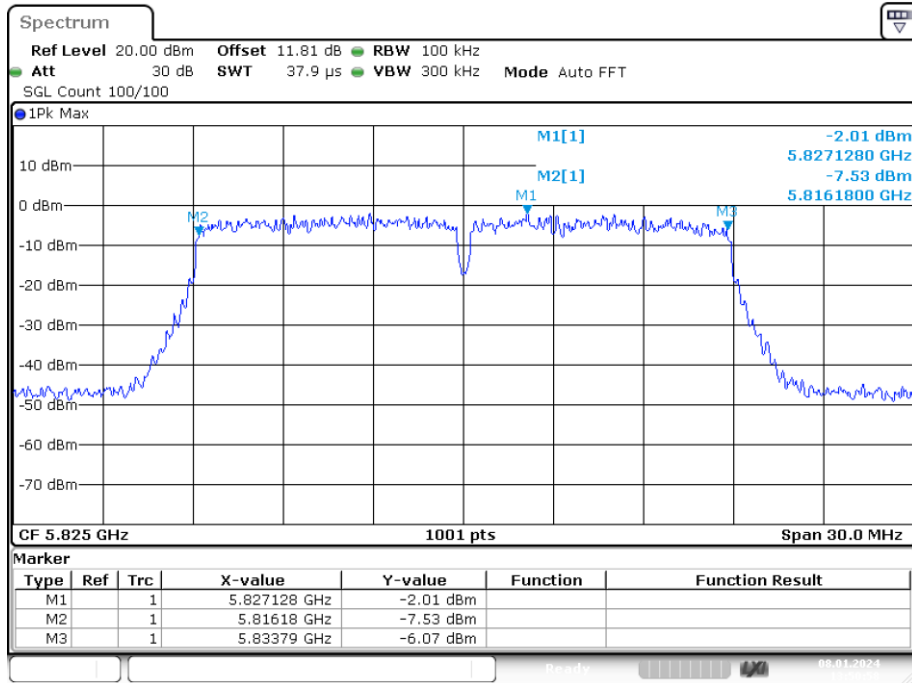
-6dB Bandwidth NVNT n20 5745MHz Ant1



-6dB Bandwidth NVNT n20 5785MHz Ant1

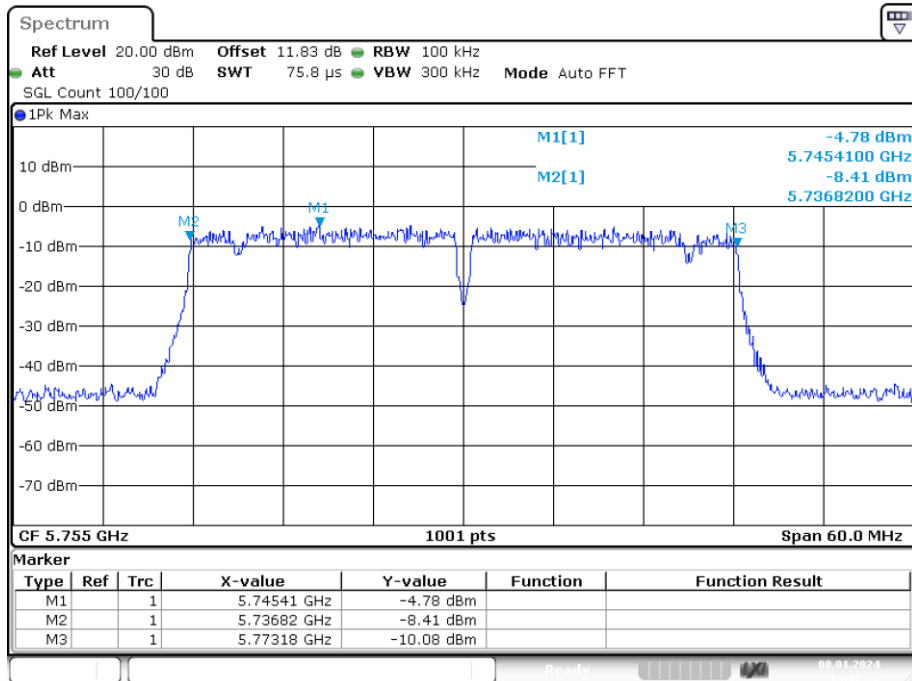


-6dB Bandwidth NVNT n20 5825MHz Ant1



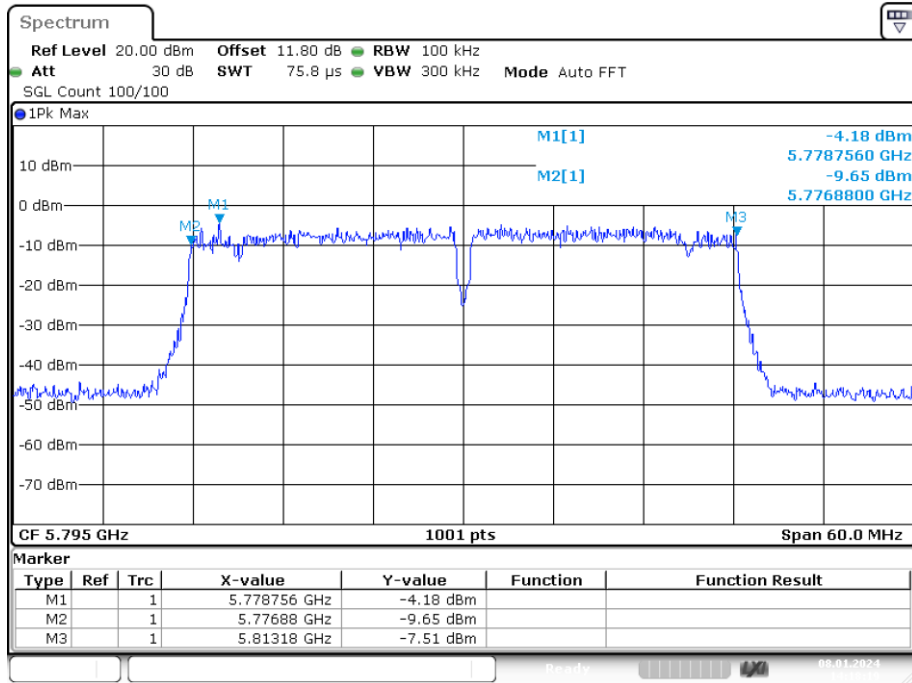
Date: 8.JAN.2024 13:50:58

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 8.JAN.2024 14:10:32

-6dB Bandwidth NVNT n40 5795MHz Ant1

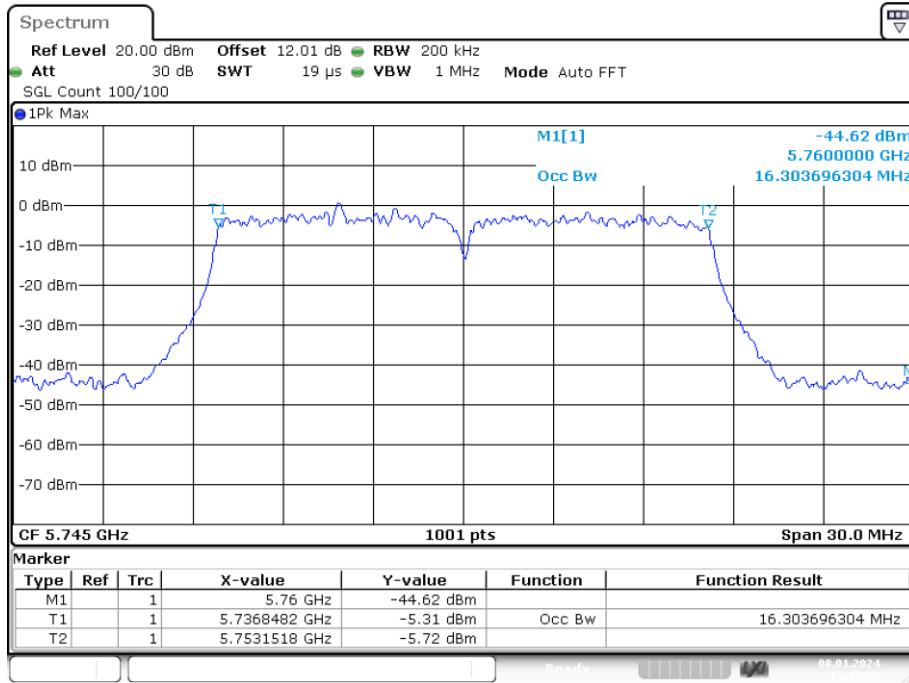


Date: 8.JAN.2024 14:18:18

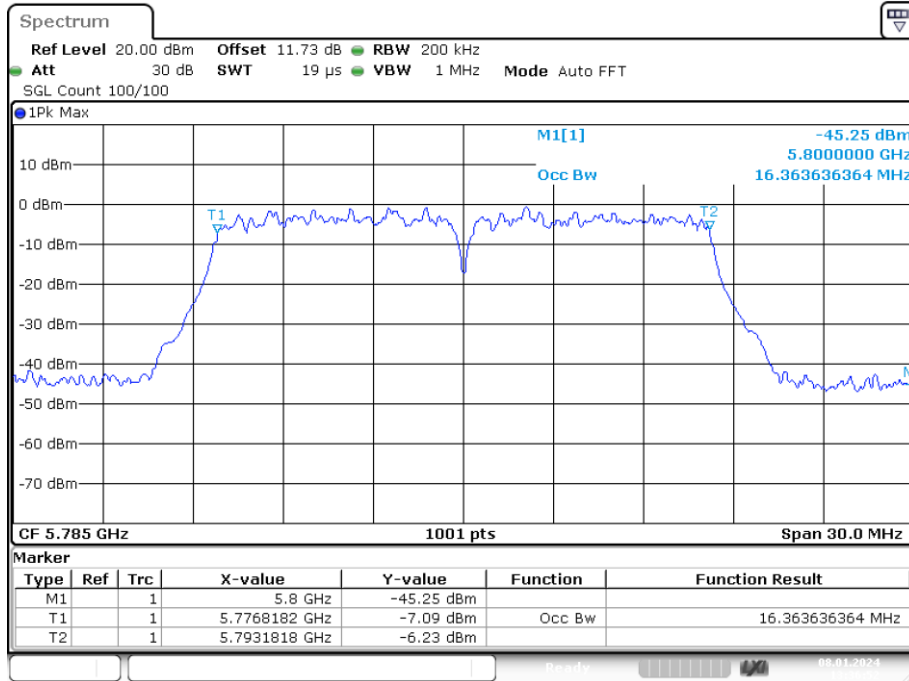
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.304
NVNT	a	5785	Ant1	16.364
NVNT	a	5825	Ant1	16.334
NVNT	ac20	5745	Ant1	17.502
NVNT	ac20	5785	Ant1	17.532
NVNT	ac20	5825	Ant1	17.592
NVNT	ac40	5755	Ant1	36.084
NVNT	ac40	5795	Ant1	36.024
NVNT	ac80	5775	Ant1	76.004
NVNT	ax20	5745	Ant1	18.911
NVNT	ax20	5785	Ant1	18.911
NVNT	ax20	5825	Ant1	18.881
NVNT	ax40	5755	Ant1	37.582
NVNT	ax40	5795	Ant1	37.702
NVNT	ax80	5775	Ant1	77.203
NVNT	n20	5745	Ant1	17.562
NVNT	n20	5785	Ant1	17.532
NVNT	n20	5825	Ant1	17.532
NVNT	n40	5755	Ant1	35.964
NVNT	n40	5795	Ant1	35.964

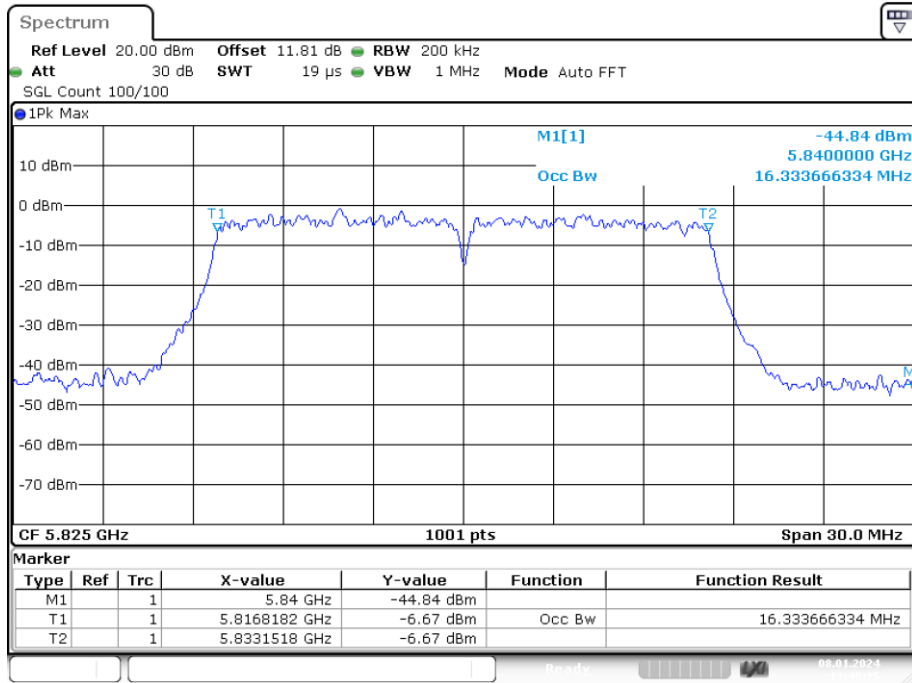
OBW NVNT a 5745MHz Ant1



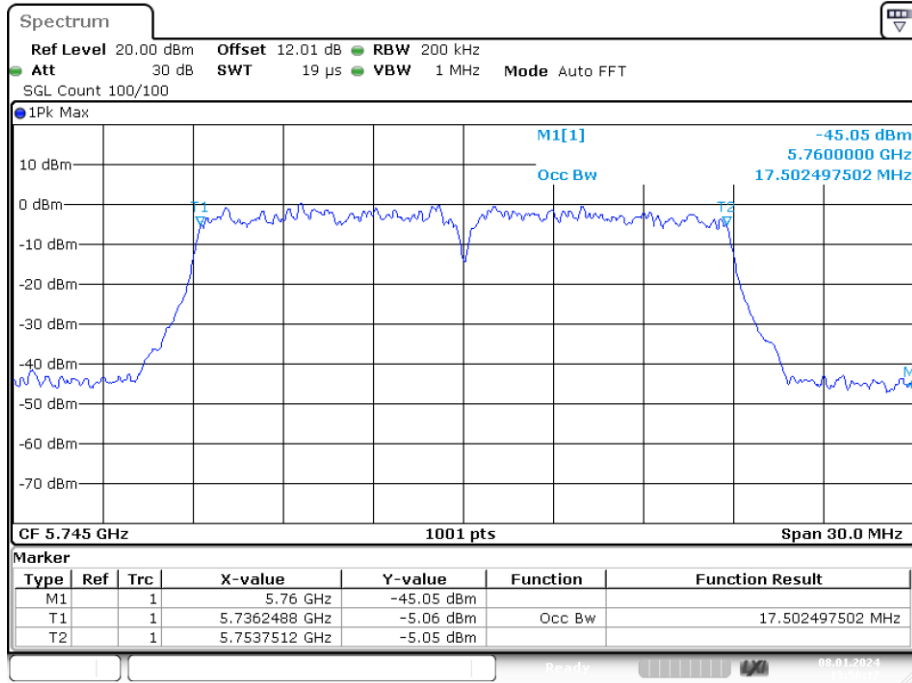
OBW NVNT a 5785MHz Ant1



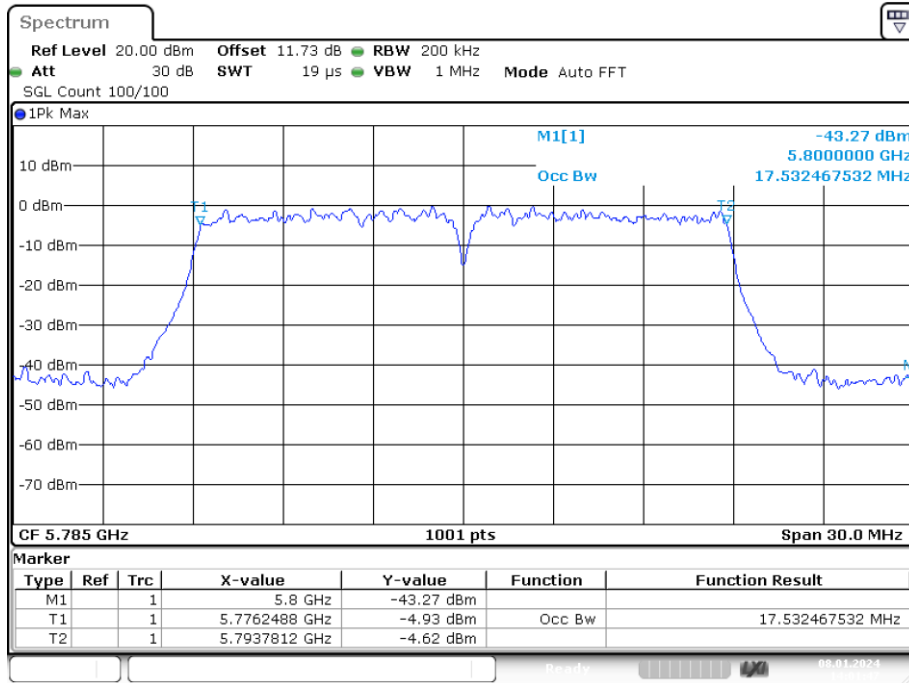
OBW NVNT a 5825MHz Ant1



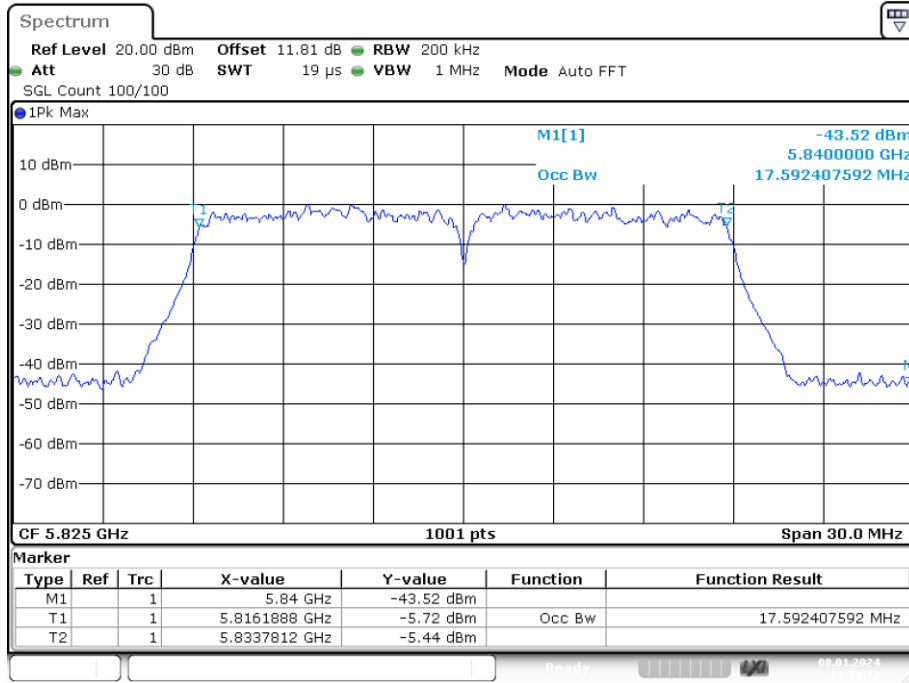
OBW NVNT ac20 5745MHz Ant1



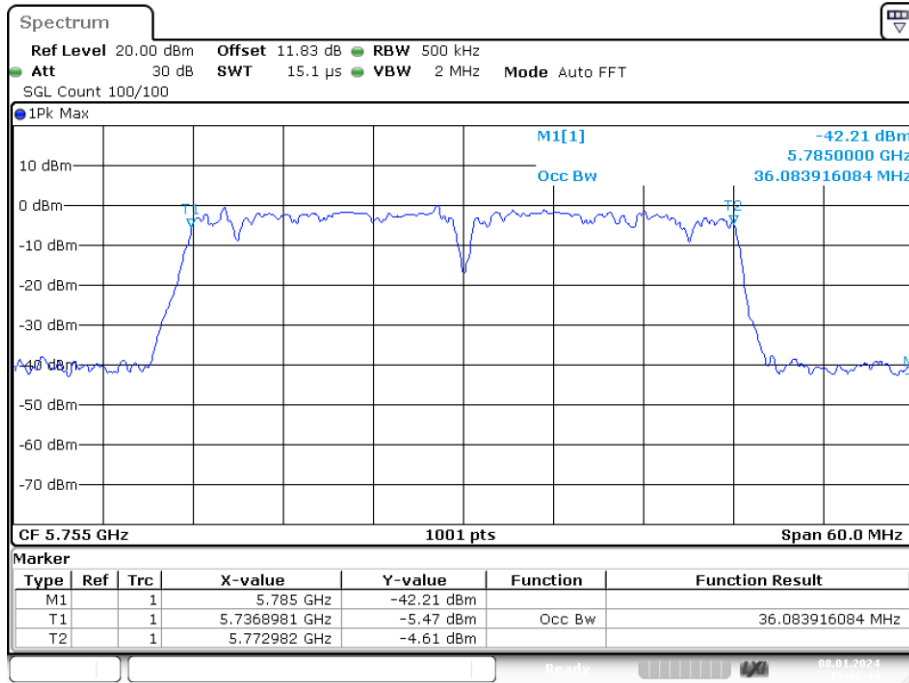
OBW NVNT ac20 5785MHz Ant1



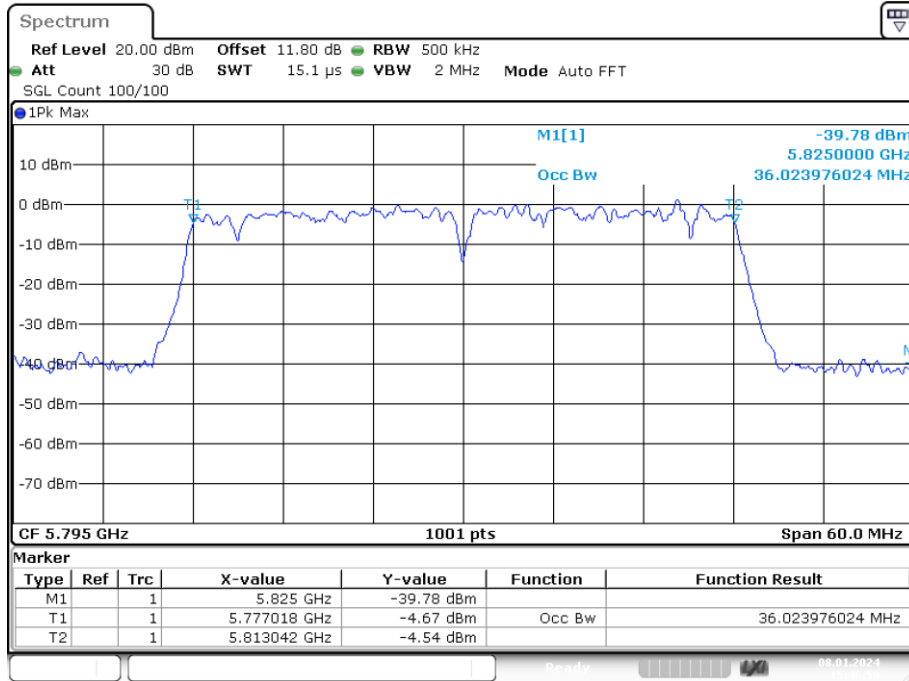
OBW NVNT ac20 5825MHz Ant1



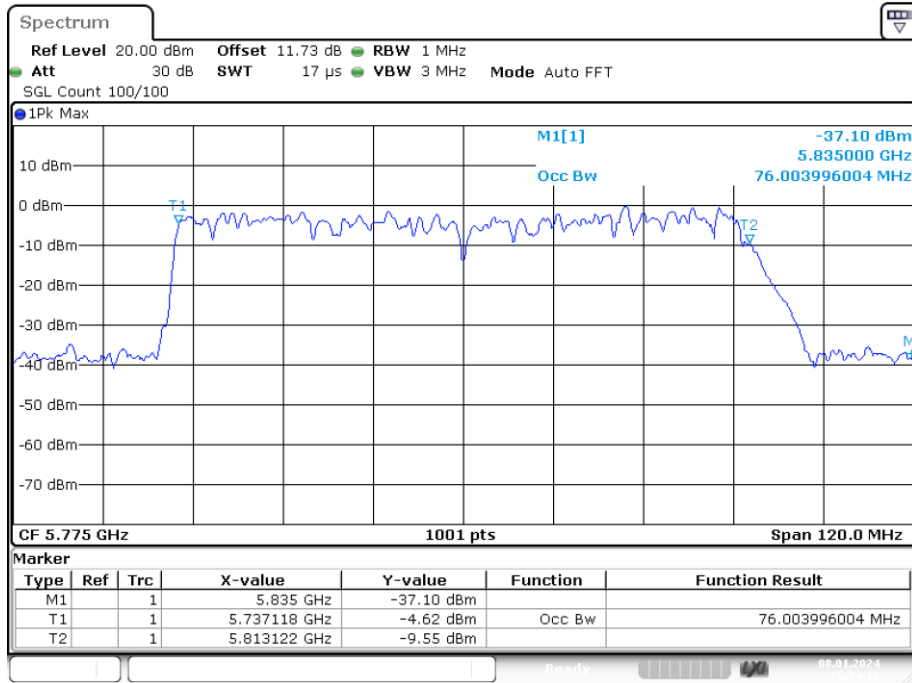
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1

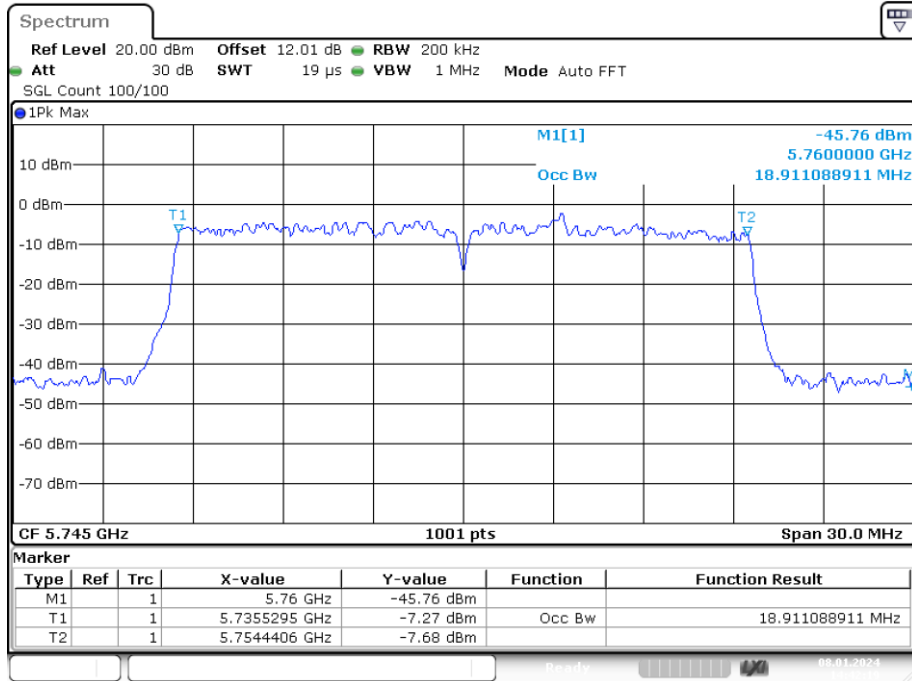


OBW NVNT ac80 5775MHz Ant1



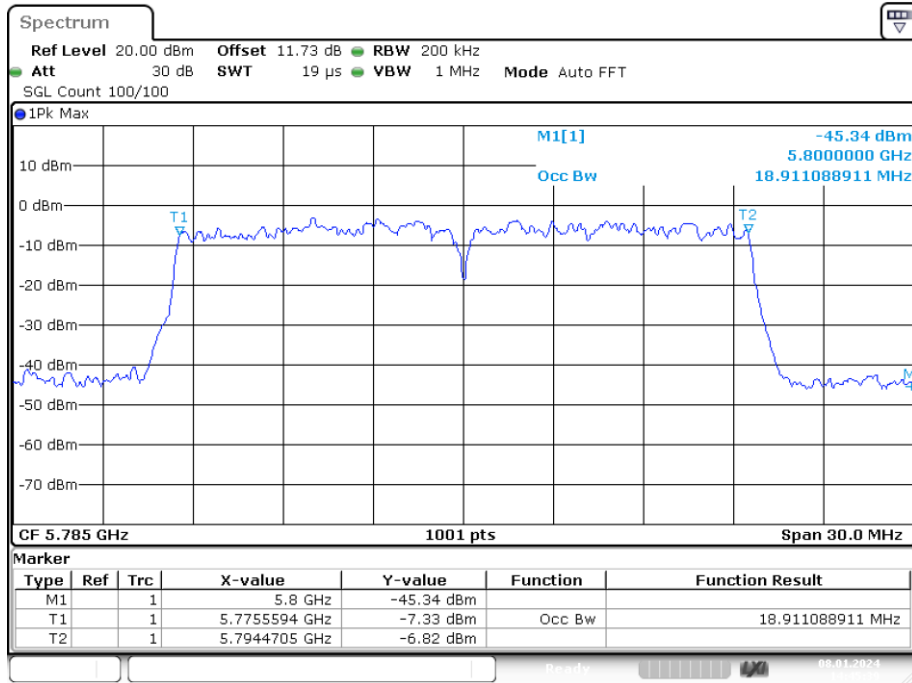
Date: 8.JAN.2024 15:54:18

OBW NVNT ax20 5745MHz Ant1

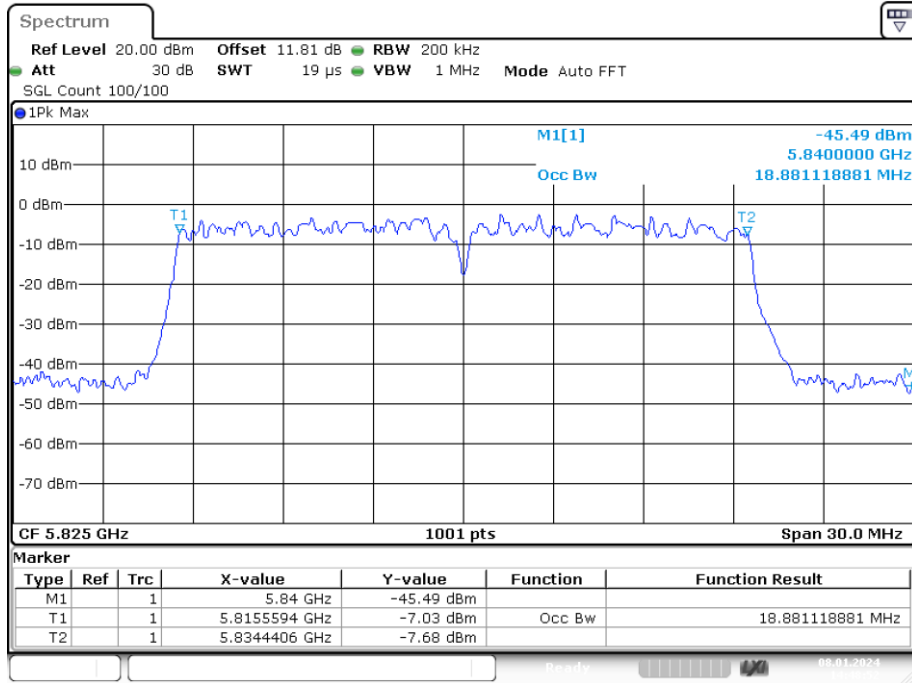


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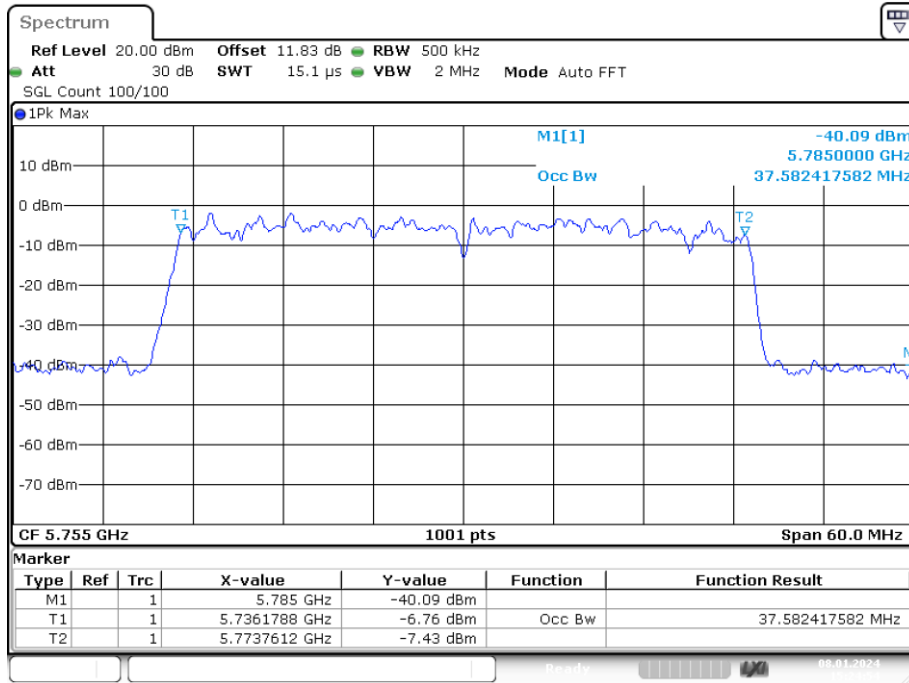
OBW NVNT ax20 5785MHz Ant1



OBW NVNT ax20 5825MHz Ant1

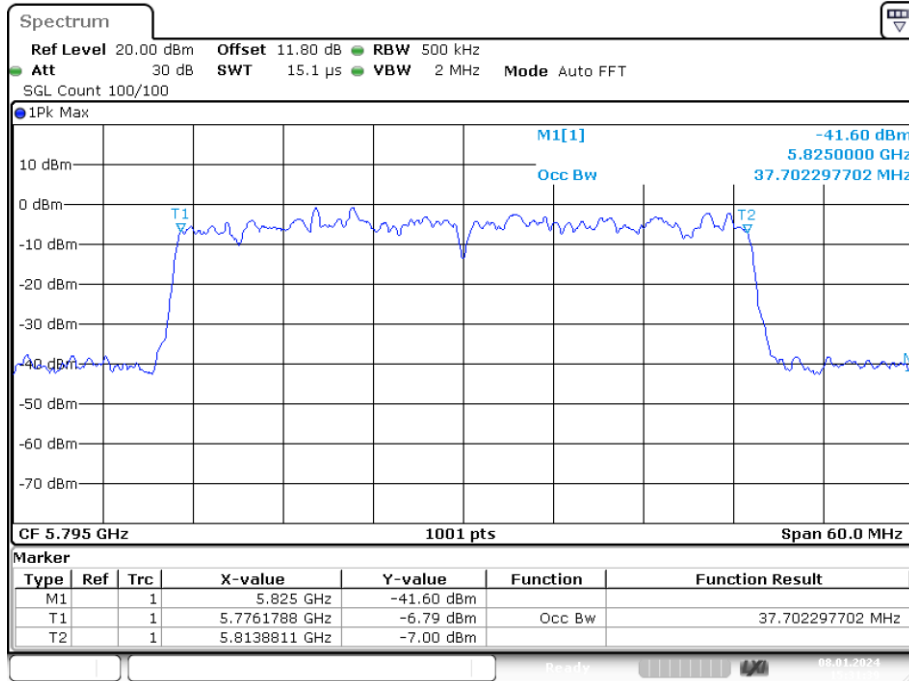


OBW NVNT ax40 5755MHz Ant1



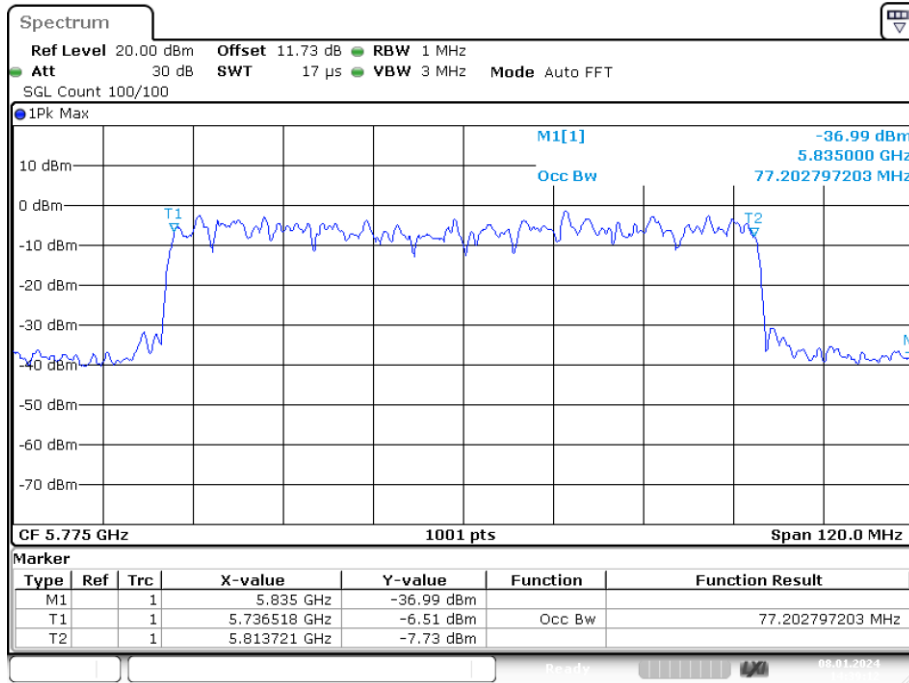
Date: 8.JAN.2024 15:24:53

OBW NVNT ax40 5795MHz Ant1



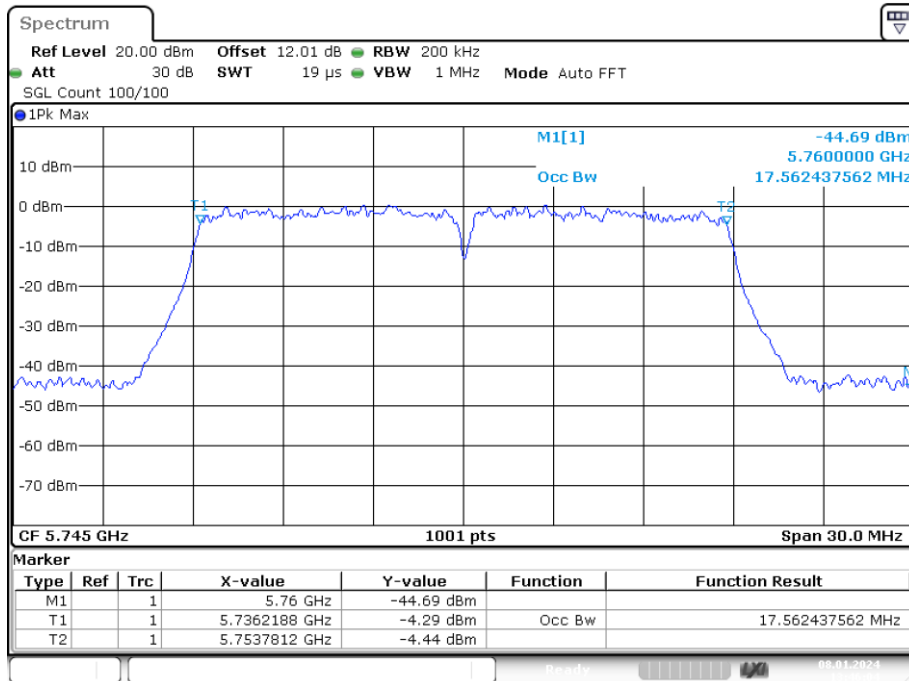
Date: 8.JAN.2024 15:31:38

OBW NVNT ax80 5775MHz Ant1



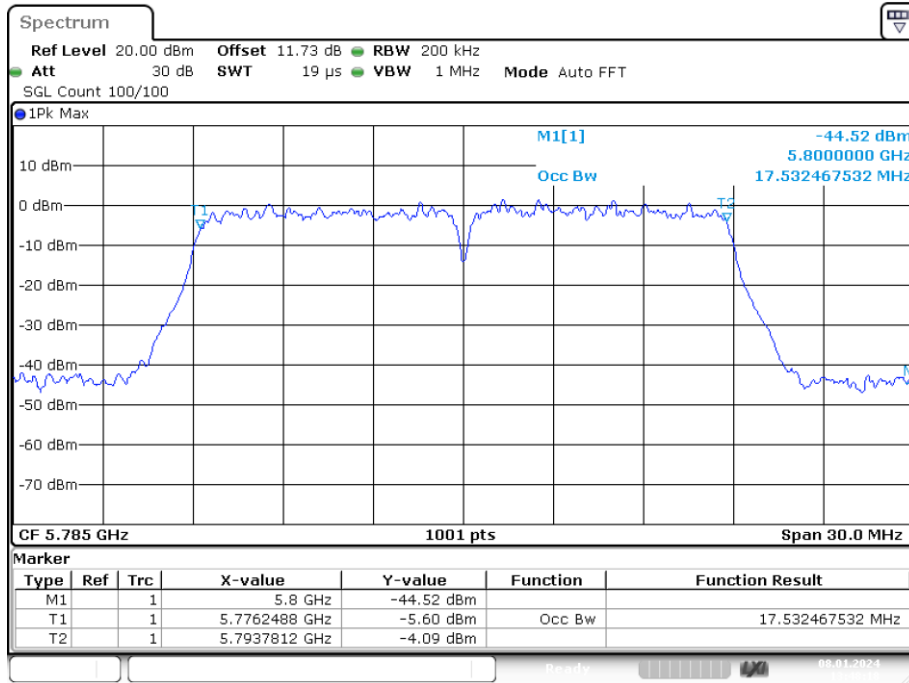
Date: 8.JAN.2024 14:39:12

OBW NVNT n20 5745MHz Ant1



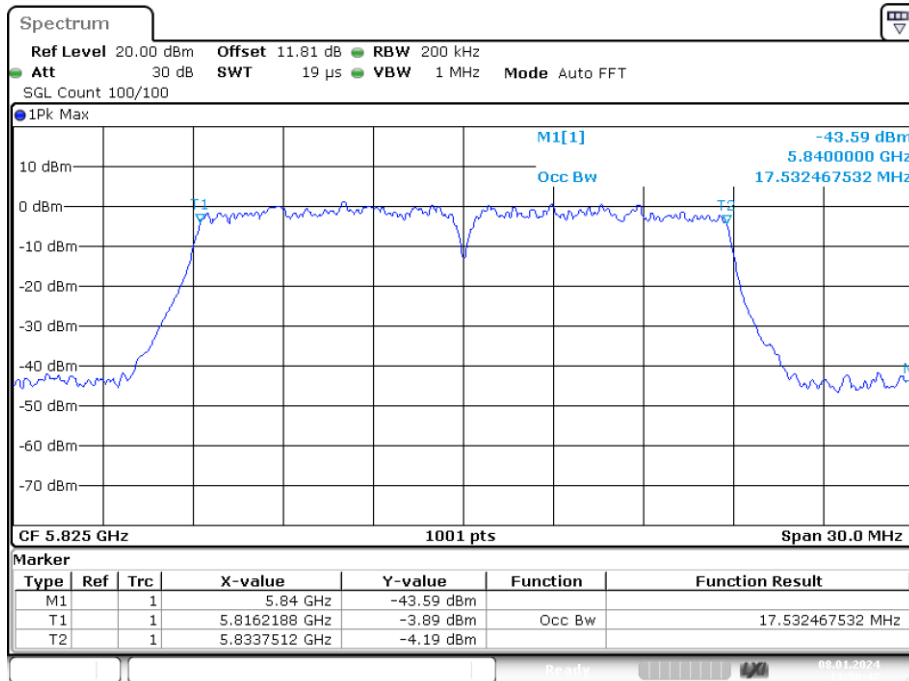
Date: 8.JAN.2024 13:46:03

OBW NVNT n20 5785MHz Ant1



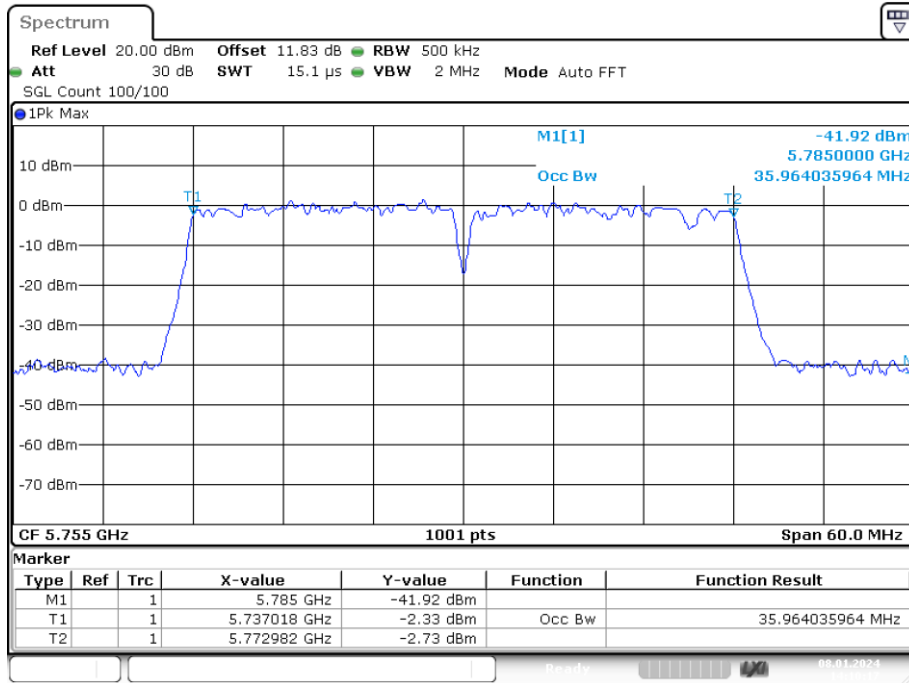
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OBW NVNT n20 5825MHz Ant1

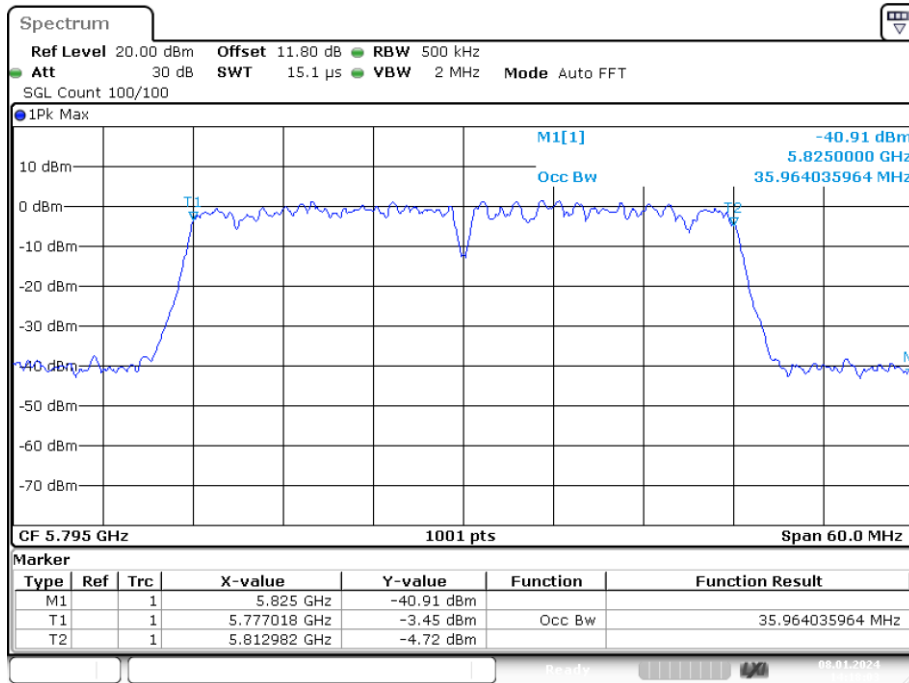


Date: 8.JAN.2024 13:50:47

OBW NVNT n40 5755MHz Ant1

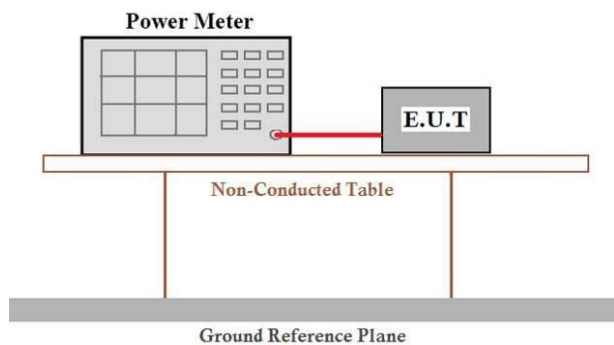


OBW NVNT n40 5795MHz Ant1



. Note: 1.All antennas have been tested, only the worst data of each pattern is reflected.

4.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 §6.2																
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01																
Limit:	<p>FCC: 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.</p> <p>For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W.</p> <p>IC:</p> <table border="1"> <thead> <tr> <th>Section.</th> <th>Test Item.</th> <th>Limit.</th> <th>FrequencyRange. (MHz).</th> <th>Result.</th> </tr> </thead> <tbody> <tr> <td>6.2.1.1.</td> <td rowspan="4">Peak Output Power.</td> <td>200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.</td> <td>5150-5250.</td> <td rowspan="4">PASS.</td> </tr> <tr> <td>6.2.2.1. 6.2.3.1.</td> <td>The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.</td> <td>5250-5350. 5470-5725.</td> </tr> <tr> <td>6.2.4.1.</td> <td>1 watt.</td> <td>5725-5825.</td> </tr> </tbody> </table>	Section.	Test Item.	Limit.	FrequencyRange. (MHz).	Result.	6.2.1.1.	Peak Output Power.	200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250.	PASS.	6.2.2.1. 6.2.3.1.	The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.	5250-5350. 5470-5725.	6.2.4.1.	1 watt.	5725-5825.
Section.	Test Item.	Limit.	FrequencyRange. (MHz).	Result.													
6.2.1.1.	Peak Output Power.	200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250.	PASS.													
6.2.2.1. 6.2.3.1.		The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.	5250-5350. 5470-5725.														
6.2.4.1.		1 watt.	5725-5825.														
Test setup:		 <p>The diagram shows a Power Meter and an E.U.T. connected by a red cable. They are positioned 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 $10 \log_{10}(1/x)$ where x is the duty cycle (e.g., $10 \log_{10}(1/0.25)$ 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)	EIRP (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.854	17.584	24	23	Pass
NVNT	a	5200	Ant1	13.789	17.519	24	23	Pass
NVNT	a	5240	Ant1	13.372	17.102	24	23	Pass
NVNT	ac20	5180	Ant1	12.332	16.062	24	23	Pass
NVNT	ac20	5200	Ant1	12.192	15.922	24	23	Pass
NVNT	ac20	5240	Ant1	12.373	16.103	24	23	Pass
NVNT	ac40	5190	Ant1	13.672	17.402	24	23	Pass
NVNT	ac40	5230	Ant1	13.773	17.503	24	23	Pass
NVNT	ac80	5210	Ant1	13.903	17.633	24	23	Pass
NVNT	ax20	5180	Ant1	8.991	12.721	24	23	Pass
NVNT	ax20	5200	Ant1	8.857	12.587	24	23	Pass
NVNT	ax20	5240	Ant1	9.287	13.017	24	23	Pass
NVNT	ax40	5190	Ant1	12.058	15.788	24	23	Pass
NVNT	ax40	5230	Ant1	11.647	15.377	24	23	Pass
NVNT	ax80	5210	Ant1	11.998	15.728	24	23	Pass
NVNT	n20	5180	Ant1	13.304	17.034	24	23	Pass
NVNT	n20	5200	Ant1	12.768	16.498	24	23	Pass
NVNT	n20	5240	Ant1	13.072	16.802	24	23	Pass
NVNT	n40	5190	Ant1	14.114	17.844	24	23	Pass
NVNT	n40	5230	Ant1	13.477	17.207	24	23	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Verdict
NVNT	a	5180	Ant2	14.973	18.703	24	23	Pass
NVNT	a	5200	Ant2	14.845	18.575	24	23	Pass
NVNT	a	5240	Ant2	15.14	18.87	24	23	Pass
NVNT	ac20	5180	Ant2	11.827	15.557	24	23	Pass
NVNT	ac20	5200	Ant2	11.792	15.522	24	23	Pass
NVNT	ac20	5240	Ant2	12.113	15.843	24	23	Pass
NVNT	ac40	5190	Ant2	13.315	17.045	24	23	Pass
NVNT	ac40	5230	Ant2	13.885	17.615	24	23	Pass
NVNT	ac80	5210	Ant2	13.862	17.592	24	23	Pass
NVNT	ax20	5180	Ant2	9.072	12.802	24	23	Pass
NVNT	ax20	5200	Ant2	8.768	12.498	24	23	Pass
NVNT	ax20	5240	Ant2	9.156	12.886	24	23	Pass
NVNT	ax40	5190	Ant2	12.079	15.809	24	23	Pass
NVNT	ax40	5230	Ant2	11.717	15.447	24	23	Pass
NVNT	ax80	5210	Ant2	11.592	15.322	24	23	Pass
NVNT	n20	5180	Ant2	13.326	17.056	24	23	Pass
NVNT	n20	5200	Ant2	11.706	15.436	24	23	Pass
NVNT	n20	5240	Ant2	12.716	16.446	24	23	Pass
NVNT	n40	5190	Ant2	14.013	17.743	24	23	Pass
NVNT	n40	5230	Ant2	14.204	17.934	24	23	Pass

Condition	Mode	Frequency (MHz)	Antenna	EIRP (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Verdict
NVNT	ac20	5180	MIMO	18.83	23.27	22.27	Pass
NVNT	ac20	5200	MIMO	18.74	23.27	22.27	Pass
NVNT	ac20	5240	MIMO	18.99	23.27	22.27	Pass
NVNT	ac40	5190	MIMO	20.24	23.27	22.27	Pass
NVNT	ac40	5230	MIMO	20.57	23.27	22.27	Pass
NVNT	ac80	5210	MIMO	20.62	23.27	22.27	Pass
NVNT	ax20	5180	MIMO	15.77	23.27	22.27	Pass
NVNT	ax20	5200	MIMO	15.55	23.27	22.27	Pass
NVNT	ax20	5240	MIMO	15.96	23.27	22.27	Pass
NVNT	ax40	5190	MIMO	18.81	23.27	22.27	Pass
NVNT	ax40	5230	MIMO	18.42	23.27	22.27	Pass
NVNT	ax80	5210	MIMO	18.54	23.27	22.27	Pass
NVNT	n20	5180	MIMO	20.06	23.27	22.27	Pass
NVNT	n20	5200	MIMO	19.01	23.27	22.27	Pass
NVNT	n20	5240	MIMO	19.64	23.27	22.27	Pass
NVNT	n40	5190	MIMO	20.80	23.27	22.27	Pass
NVNT	n40	5230	MIMO	20.60	23.27	22.27	Pass

Note: 1. Directional gain=6.73dBi, so the Conducted Power Limit need to reduce 0.73.

Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	13.837	17.567	24	Pass
NVNT	a	5280	Ant1	13.869	17.599	24	Pass
NVNT	a	5320	Ant1	13.682	17.412	24	Pass
NVNT	ac20	5260	Ant1	11.391	15.121	24	Pass
NVNT	ac20	5280	Ant1	11.761	15.491	24	Pass
NVNT	ac20	5320	Ant1	11.568	15.298	24	Pass
NVNT	ac40	5270	Ant1	14.099	17.829	24	Pass
NVNT	ac40	5310	Ant1	13.284	17.014	24	Pass
NVNT	ac80	5290	Ant1	14.057	17.787	24	Pass
NVNT	ax20	5260	Ant1	8.874	12.604	24	Pass
NVNT	ax20	5280	Ant1	9.028	12.758	24	Pass
NVNT	ax20	5320	Ant1	9.321	13.051	24	Pass
NVNT	ax40	5270	Ant1	11.461	15.191	24	Pass
NVNT	ax40	5310	Ant1	11.537	15.267	24	Pass
NVNT	ax80	5290	Ant1	12.211	15.941	24	Pass
NVNT	n20	5260	Ant1	12.794	16.524	24	Pass
NVNT	n20	5280	Ant1	12.714	16.444	24	Pass
NVNT	n20	5320	Ant1	12.769	16.499	24	Pass
NVNT	n40	5270	Ant1	14.802	18.532	24	Pass
NVNT	n40	5310	Ant1	14.71	18.44	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant2	13.977	17.707	24	Pass
NVNT	a	5280	Ant2	13.639	17.369	24	Pass
NVNT	a	5320	Ant2	13.876	17.606	24	Pass
NVNT	ac20	5260	Ant2	12.129	15.859	24	Pass
NVNT	ac20	5280	Ant2	12.249	15.979	24	Pass
NVNT	ac20	5320	Ant2	11.967	15.697	24	Pass
NVNT	ac40	5270	Ant2	14.009	17.739	24	Pass
NVNT	ac40	5310	Ant2	13.377	17.107	24	Pass
NVNT	ac80	5290	Ant2	14.32	18.05	24	Pass
NVNT	ax20	5260	Ant2	8.944	12.674	24	Pass
NVNT	ax20	5280	Ant2	8.809	12.539	24	Pass
NVNT	ax20	5320	Ant2	9.383	13.113	24	Pass
NVNT	ax40	5270	Ant2	11.721	15.451	24	Pass
NVNT	ax40	5310	Ant2	11.675	15.405	24	Pass
NVNT	ax80	5290	Ant2	11.949	15.679	24	Pass
NVNT	n20	5260	Ant2	12.747	16.477	24	Pass
NVNT	n20	5280	Ant2	12.766	16.496	24	Pass
NVNT	n20	5320	Ant2	12.8	16.53	24	Pass
NVNT	n40	5270	Ant2	15.202	18.932	24	Pass
NVNT	n40	5310	Ant2	14.768	18.498	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5260	MIMO	18.52	23.27	Pass
NVNT	ac20	5280	MIMO	18.75	23.27	Pass
NVNT	ac20	5320	MIMO	18.51	23.27	Pass
NVNT	ac40	5270	MIMO	20.79	23.27	Pass
NVNT	ac40	5310	MIMO	20.07	23.27	Pass
NVNT	ac80	5290	MIMO	20.93	23.27	Pass
NVNT	ax20	5260	MIMO	15.65	23.27	Pass
NVNT	ax20	5280	MIMO	15.66	23.27	Pass
NVNT	ax20	5320	MIMO	16.09	23.27	Pass
NVNT	ax40	5270	MIMO	18.33	23.27	Pass
NVNT	ax40	5310	MIMO	18.35	23.27	Pass
NVNT	ax80	5290	MIMO	18.82	23.27	Pass
NVNT	n20	5260	MIMO	19.51	23.27	Pass
NVNT	n20	5280	MIMO	19.48	23.27	Pass
NVNT	n20	5320	MIMO	19.52	23.27	Pass
NVNT	n40	5270	MIMO	21.75	23.27	Pass
NVNT	n40	5310	MIMO	21.48	23.27	Pass

Note: 1. Directional gain=6.73dBi, so the Conducted Power Limit need to reduce 0.73.

Band 3 (5740 -5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	14.068	17.798	24	Pass
NVNT	a	5580	Ant1	13.68	17.41	24	Pass
NVNT	a	5700	Ant1	13.504	17.234	24	Pass
NVNT	ac20	5500	Ant1	12.687	16.417	24	Pass
NVNT	ac20	5580	Ant1	12.511	16.241	24	Pass
NVNT	ac20	5700	Ant1	11.774	15.504	24	Pass
NVNT	ac40	5510	Ant1	13.889	17.619	24	Pass
NVNT	ac40	5670	Ant1	13.428	17.158	24	Pass
NVNT	ac80	5530	Ant1	13.704	17.434	24	Pass
NVNT	ax20	5500	Ant1	8.96	12.69	24	Pass
NVNT	ax20	5580	Ant1	9.19	12.92	24	Pass
NVNT	ax20	5700	Ant1	8.485	12.215	24	Pass
NVNT	ax40	5510	Ant1	11.934	15.664	24	Pass
NVNT	ax40	5670	Ant1	11.806	15.536	24	Pass
NVNT	ax80	5530	Ant1	11.824	15.554	24	Pass
NVNT	n20	5500	Ant1	12.81	16.54	24	Pass
NVNT	n20	5580	Ant1	13.053	16.783	24	Pass
NVNT	n20	5700	Ant1	12.717	16.447	24	Pass
NVNT	n40	5510	Ant1	14.666	18.396	24	Pass
NVNT	n40	5670	Ant1	14.695	18.425	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant2	14.065	17.795	24	Pass
NVNT	a	5580	Ant2	14.148	17.878	24	Pass
NVNT	a	5700	Ant2	13.484	17.214	24	Pass
NVNT	ac20	5500	Ant2	11.973	15.703	24	Pass
NVNT	ac20	5580	Ant2	12.259	15.989	24	Pass
NVNT	ac20	5700	Ant2	11.288	15.018	24	Pass
NVNT	ac40	5510	Ant2	13.85	17.58	24	Pass
NVNT	ac40	5670	Ant2	13.581	17.311	24	Pass
NVNT	ac80	5530	Ant2	13.742	17.472	24	Pass
NVNT	ax20	5500	Ant2	8.917	12.647	24	Pass
NVNT	ax20	5580	Ant2	8.837	12.567	24	Pass
NVNT	ax20	5700	Ant2	8.79	12.52	24	Pass
NVNT	ax40	5510	Ant2	11.937	15.667	24	Pass
NVNT	ax40	5670	Ant2	11.589	15.319	24	Pass
NVNT	ax80	5530	Ant2	11.81	15.54	24	Pass
NVNT	n20	5500	Ant2	13.021	16.751	24	Pass
NVNT	n20	5580	Ant2	12.331	16.061	24	Pass
NVNT	n20	5700	Ant2	12.96	16.69	24	Pass
NVNT	n40	5510	Ant2	14.554	18.284	24	Pass
NVNT	n40	5670	Ant2	15.011	18.741	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5500	MIMO	19.08	23.27	Pass
NVNT	ac20	5580	MIMO	19.13	23.27	Pass
NVNT	ac20	5700	MIMO	18.28	23.27	Pass
NVNT	ac40	5510	MIMO	20.61	23.27	Pass
NVNT	ac40	5670	MIMO	20.25	23.27	Pass
NVNT	ac80	5530	MIMO	20.46	23.27	Pass
NVNT	ax20	5500	MIMO	15.68	23.27	Pass
NVNT	ax20	5580	MIMO	15.76	23.27	Pass
NVNT	ax20	5700	MIMO	15.38	23.27	Pass
NVNT	ax40	5510	MIMO	18.68	23.27	Pass
NVNT	ax40	5670	MIMO	18.44	23.27	Pass
NVNT	ax80	5530	MIMO	18.56	23.27	Pass
NVNT	n20	5500	MIMO	19.66	23.27	Pass
NVNT	n20	5580	MIMO	19.45	23.27	Pass
NVNT	n20	5700	MIMO	19.58	23.27	Pass
NVNT	n40	5510	MIMO	21.35	23.27	Pass
NVNT	n40	5670	MIMO	21.60	23.27	Pass

Note: 1. Directional gain=6.73dBi, so the Conducted Power Limit need to reduce 0.73.

Band 4 (5725 – 5850 MHz)

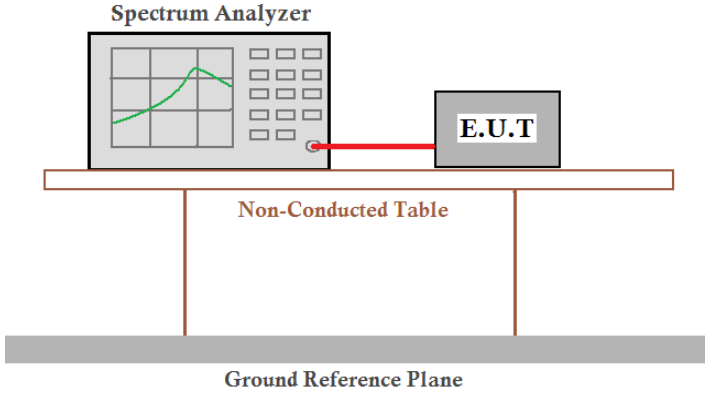
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	14.023	17.753	30	Pass
NVNT	a	5785	Ant1	13.473	17.203	30	Pass
NVNT	a	5825	Ant1	13.328	17.058	30	Pass
NVNT	ac20	5745	Ant1	11.705	15.435	30	Pass
NVNT	ac20	5785	Ant1	11.822	15.552	30	Pass
NVNT	ac20	5825	Ant1	11.6	15.33	30	Pass
NVNT	ac40	5755	Ant1	13.882	17.612	30	Pass
NVNT	ac40	5795	Ant1	14.265	17.995	30	Pass
NVNT	ac80	5775	Ant1	13.995	17.725	30	Pass
NVNT	ax20	5745	Ant1	9.279	13.009	30	Pass
NVNT	ax20	5785	Ant1	9.203	12.933	30	Pass
NVNT	ax20	5825	Ant1	8.563	12.293	30	Pass
NVNT	ax40	5755	Ant1	11.662	15.392	30	Pass
NVNT	ax40	5795	Ant1	11.993	15.723	30	Pass
NVNT	ax80	5775	Ant1	11.945	15.675	30	Pass
NVNT	n20	5745	Ant1	13.218	16.948	30	Pass
NVNT	n20	5785	Ant1	12.642	16.372	30	Pass
NVNT	n20	5825	Ant1	12.947	16.677	30	Pass
NVNT	n40	5755	Ant1	14.981	18.711	30	Pass
NVNT	n40	5795	Ant1	14.738	18.468	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant2	13.718	17.448	30	Pass
NVNT	a	5785	Ant2	13.303	17.033	30	Pass
NVNT	a	5825	Ant2	13.405	17.135	30	Pass
NVNT	ac20	5745	Ant2	11.602	15.332	30	Pass
NVNT	ac20	5785	Ant2	11.87	15.6	30	Pass
NVNT	ac20	5825	Ant2	11.627	15.357	30	Pass
NVNT	ac40	5755	Ant2	13.475	17.205	30	Pass
NVNT	ac40	5795	Ant2	13.958	17.688	30	Pass
NVNT	ac80	5775	Ant2	13.604	17.334	30	Pass
NVNT	ax20	5745	Ant2	8.709	12.439	30	Pass
NVNT	ax20	5785	Ant2	8.36	12.09	30	Pass
NVNT	ax20	5825	Ant2	9.059	12.789	30	Pass
NVNT	ax40	5755	Ant2	11.888	15.618	30	Pass
NVNT	ax40	5795	Ant2	11.703	15.433	30	Pass
NVNT	ax80	5775	Ant2	11.914	15.644	30	Pass
NVNT	n20	5745	Ant2	12.741	16.471	30	Pass
NVNT	n20	5785	Ant2	12.729	16.459	30	Pass
NVNT	n20	5825	Ant2	13.011	16.741	30	Pass
NVNT	n40	5755	Ant2	14.433	18.163	30	Pass
NVNT	n40	5795	Ant2	15.101	18.831	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	EIRP (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	MIMO	18.39	29.27	Pass
NVNT	ac20	5785	MIMO	18.59	29.27	Pass
NVNT	ac20	5825	MIMO	18.35	29.27	Pass
NVNT	ac40	5755	MIMO	20.42	29.27	Pass
NVNT	ac40	5795	MIMO	20.85	29.27	Pass
NVNT	ac80	5775	MIMO	20.54	29.27	Pass
NVNT	ax20	5745	MIMO	15.74	29.27	Pass
NVNT	ax20	5785	MIMO	15.54	29.27	Pass
NVNT	ax20	5825	MIMO	15.56	29.27	Pass
NVNT	ax40	5755	MIMO	18.52	29.27	Pass
NVNT	ax40	5795	MIMO	18.59	29.27	Pass
NVNT	ax80	5775	MIMO	18.67	29.27	Pass
NVNT	n20	5745	MIMO	19.73	29.27	Pass
NVNT	n20	5785	MIMO	19.43	29.27	Pass
NVNT	n20	5825	MIMO	19.72	29.27	Pass
NVNT	n40	5755	MIMO	21.46	29.27	Pass
NVNT	n40	5795	MIMO	21.66	29.27	Pass

Note: 1. Directional gain=6.73dBi, so the Conducted Power Limit need to reduce 0.73.

4.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 §6.2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	<p>FCC: 1.≤11.00dBm/MHz for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz</p> <p>2.≤30.00dBm/500KHz for 5725MHz-5850MHz</p> <p>IC: 1.For the 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.</p> <p>2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.</p>
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)**

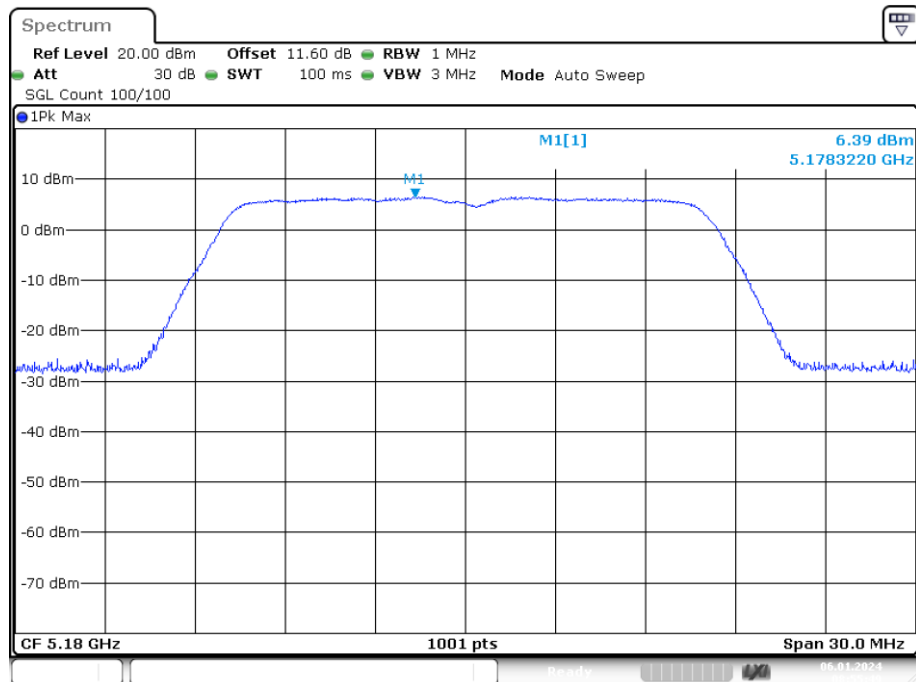
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.394	11	10	Pass
NVNT	a	5200	Ant1	6.554	11	10	Pass
NVNT	a	5240	Ant1	6.149	11	10	Pass
NVNT	ac20	5180	Ant1	4.464	11	10	Pass
NVNT	ac20	5200	Ant1	4.539	11	10	Pass
NVNT	ac20	5240	Ant1	4.982	11	10	Pass
NVNT	ac40	5190	Ant1	3.557	11	10	Pass
NVNT	ac40	5230	Ant1	3.422	11	10	Pass
NVNT	ac80	5210	Ant1	0.711	11	10	Pass
NVNT	ax20	5180	Ant1	2.698	11	10	Pass
NVNT	ax20	5200	Ant1	2.251	11	10	Pass
NVNT	ax20	5240	Ant1	2.529	11	10	Pass
NVNT	ax40	5190	Ant1	2.022	11	10	Pass
NVNT	ax40	5230	Ant1	3.037	11	10	Pass
NVNT	ax80	5210	Ant1	-0.292	11	10	Pass
NVNT	n20	5180	Ant1	4.086	11	10	Pass
NVNT	n20	5200	Ant1	5.062	11	10	Pass
NVNT	n20	5240	Ant1	5.414	11	10	Pass
NVNT	n40	5190	Ant1	5.351	11	10	Pass
NVNT	n40	5230	Ant1	4.643	11	10	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Verdict
NVNT	a	5180	Ant2	7.627	11	10	Pass
NVNT	a	5200	Ant2	7.436	11	10	Pass
NVNT	a	5240	Ant2	7.77	11	10	Pass
NVNT	ac20	5180	Ant2	4.482	11	10	Pass
NVNT	ac20	5200	Ant2	4.212	11	10	Pass
NVNT	ac20	5240	Ant2	4.569	11	10	Pass
NVNT	ac40	5190	Ant2	2.756	11	10	Pass
NVNT	ac40	5230	Ant2	3.226	11	10	Pass
NVNT	ac80	5210	Ant2	1.127	11	10	Pass
NVNT	ax20	5180	Ant2	2.415	11	10	Pass
NVNT	ax20	5200	Ant2	2.099	11	10	Pass
NVNT	ax20	5240	Ant2	2.522	11	10	Pass
NVNT	ax40	5190	Ant2	3.14	11	10	Pass
NVNT	ax40	5230	Ant2	2.788	11	10	Pass
NVNT	ax80	5210	Ant2	-0.527	11	10	Pass
NVNT	n20	5180	Ant2	5.691	11	10	Pass
NVNT	n20	5200	Ant2	4.55	11	10	Pass
NVNT	n20	5240	Ant2	5.109	11	10	Pass
NVNT	n40	5190	Ant2	4.175	11	10	Pass
NVNT	n40	5230	Ant2	4.448	11	10	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Verdict
NVNT	ac20	5180	MIMO	7.48	10.27	9.27	Pass
NVNT	ac20	5200	MIMO	7.39	10.27	9.27	Pass
NVNT	ac20	5240	MIMO	7.79	10.27	9.27	Pass
NVNT	ac40	5190	MIMO	6.19	10.27	9.27	Pass
NVNT	ac40	5230	MIMO	6.34	10.27	9.27	Pass
NVNT	ac80	5210	MIMO	3.93	10.27	9.27	Pass
NVNT	ax20	5180	MIMO	5.57	10.27	9.27	Pass
NVNT	ax20	5200	MIMO	5.19	10.27	9.27	Pass
NVNT	ax20	5240	MIMO	5.54	10.27	9.27	Pass
NVNT	ax40	5190	MIMO	5.63	10.27	9.27	Pass
NVNT	ax40	5230	MIMO	5.92	10.27	9.27	Pass
NVNT	ax80	5210	MIMO	2.60	10.27	9.27	Pass
NVNT	n20	5180	MIMO	7.97	10.27	9.27	Pass
NVNT	n20	5200	MIMO	7.82	10.27	9.27	Pass
NVNT	n20	5240	MIMO	8.27	10.27	9.27	Pass
NVNT	n40	5190	MIMO	7.81	10.27	9.27	Pass
NVNT	n40	5230	MIMO	7.56	10.27	9.27	Pass

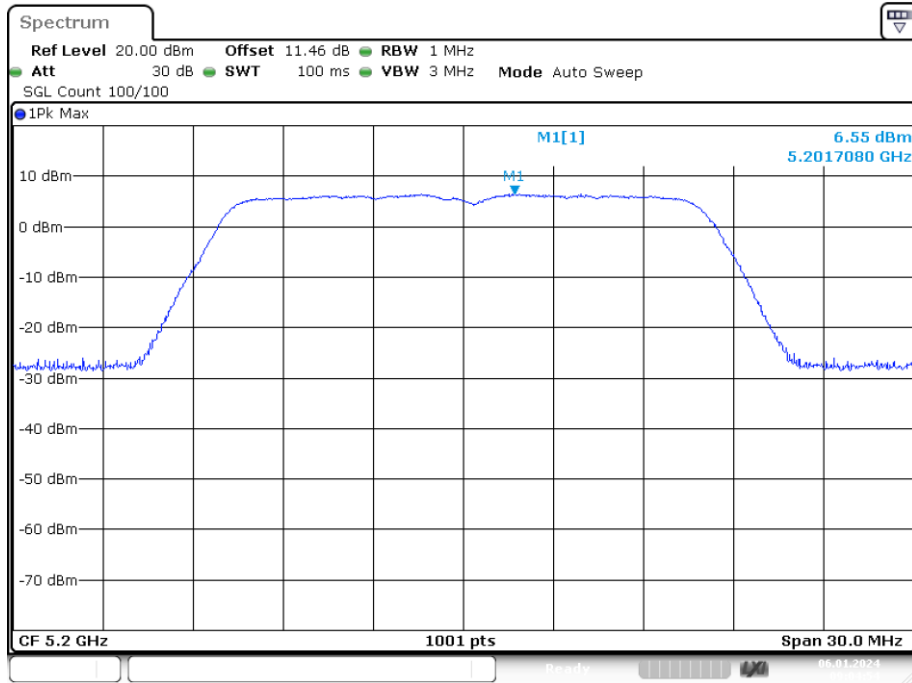
Note: 1. Directional gain=6.73dBi, so the Conducted Power Limit need to reduce 0.73.

PSD NVNT a 5180MHz Ant1



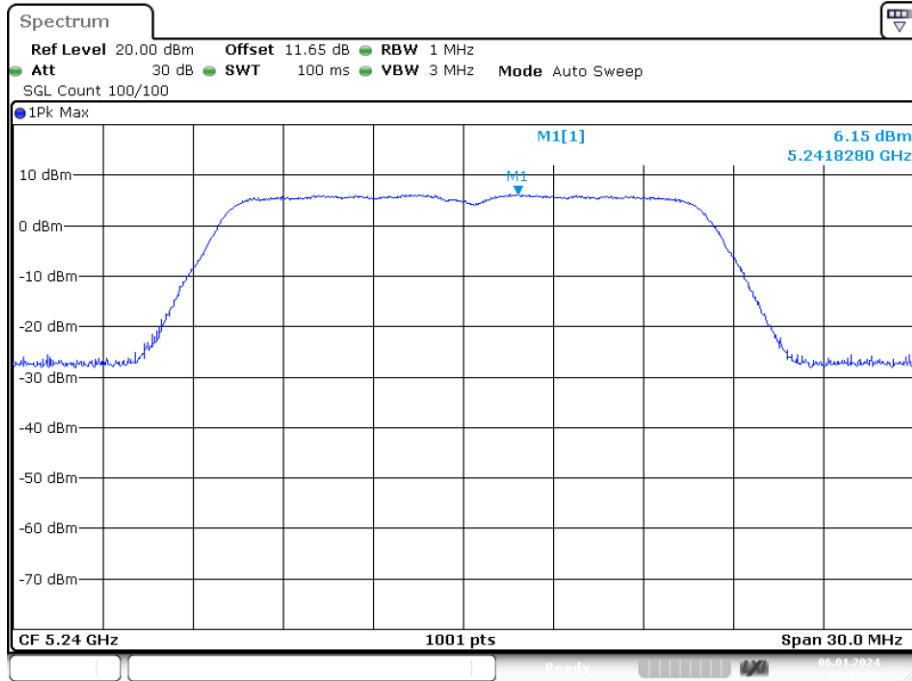
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PSD NVNT a 5200MHz Ant1



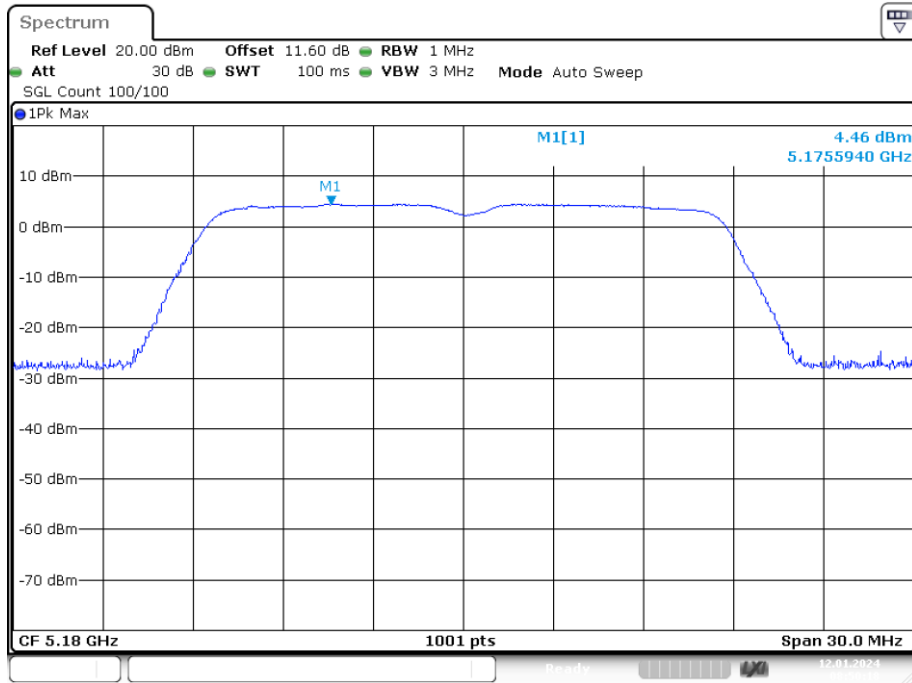
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PSD NVNT a 5240MHz Ant1



Date: 6.JAN.2024 09:12:05

PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1

