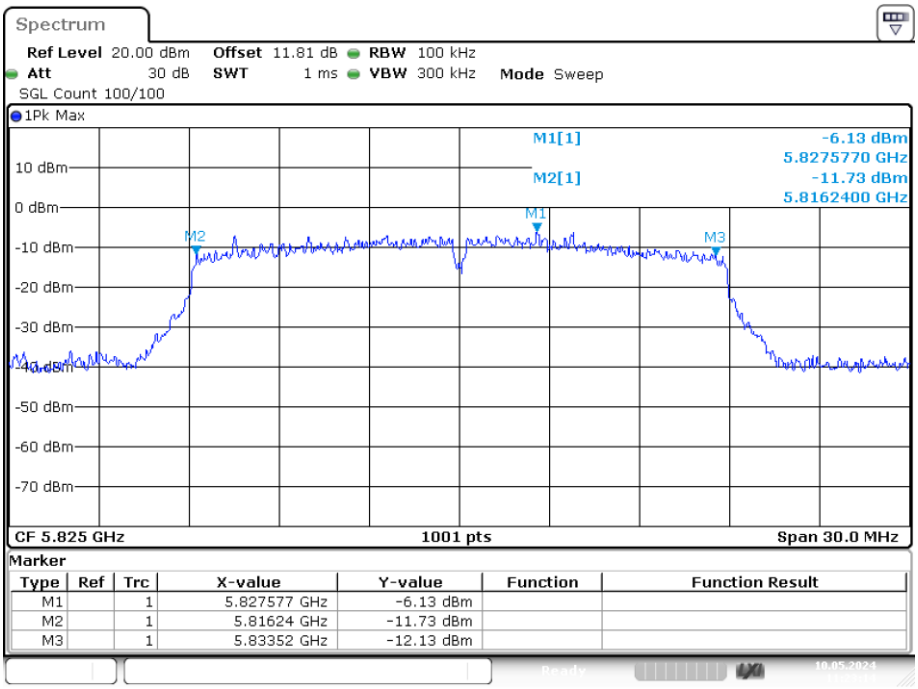
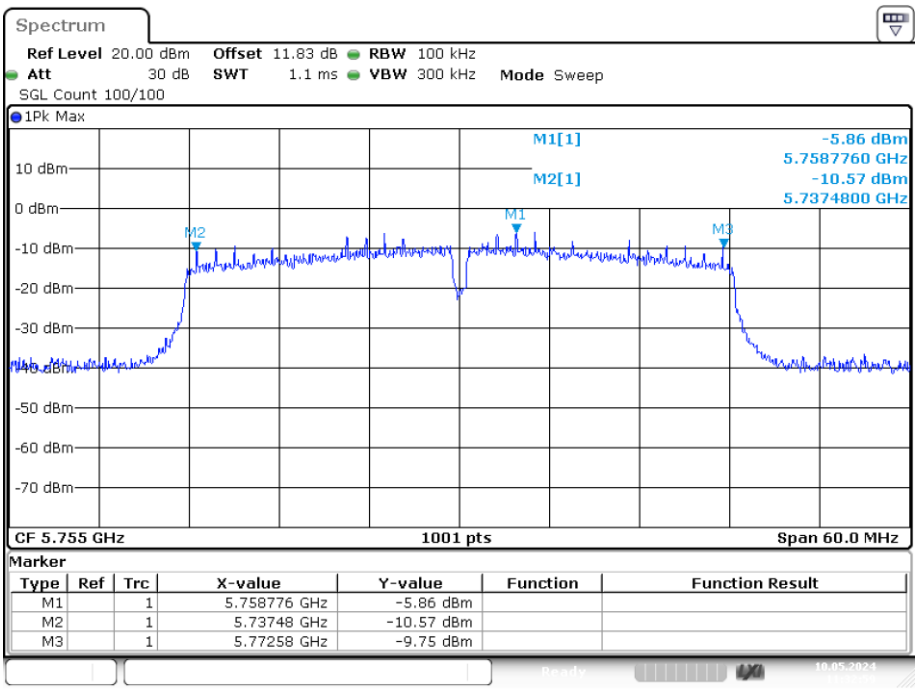
-6dB Bandwidth NVNT ac20 5825MHz Ant1



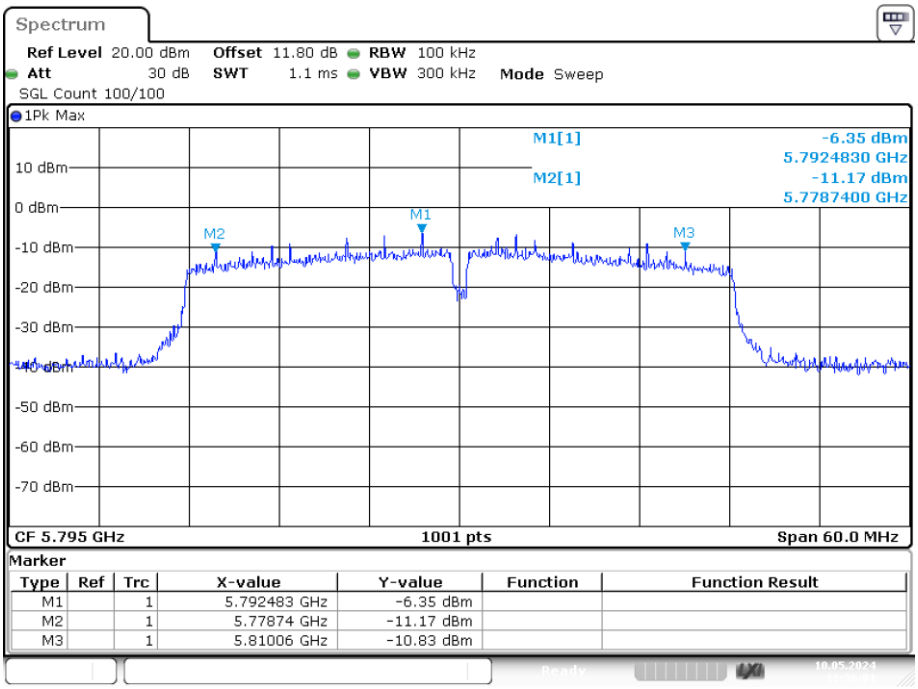
Date: 10.MAY.2024 11:23:15

-6dB Bandwidth NVNT ac40 5755MHz Ant1



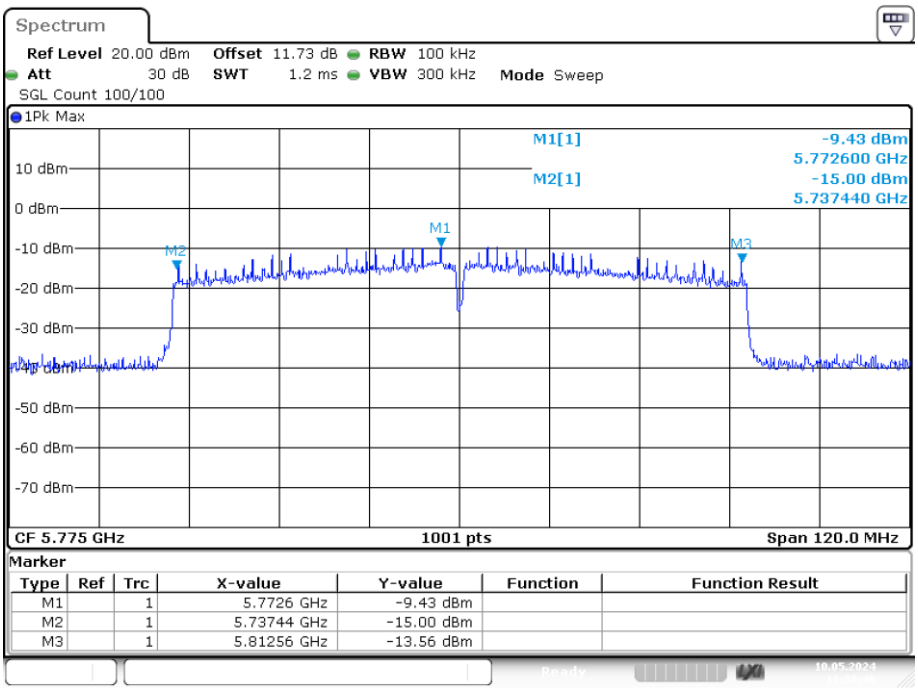
Date: 10.MAY.2024 11:32:59

-6dB Bandwidth NVNT ac40 5795MHz Ant1



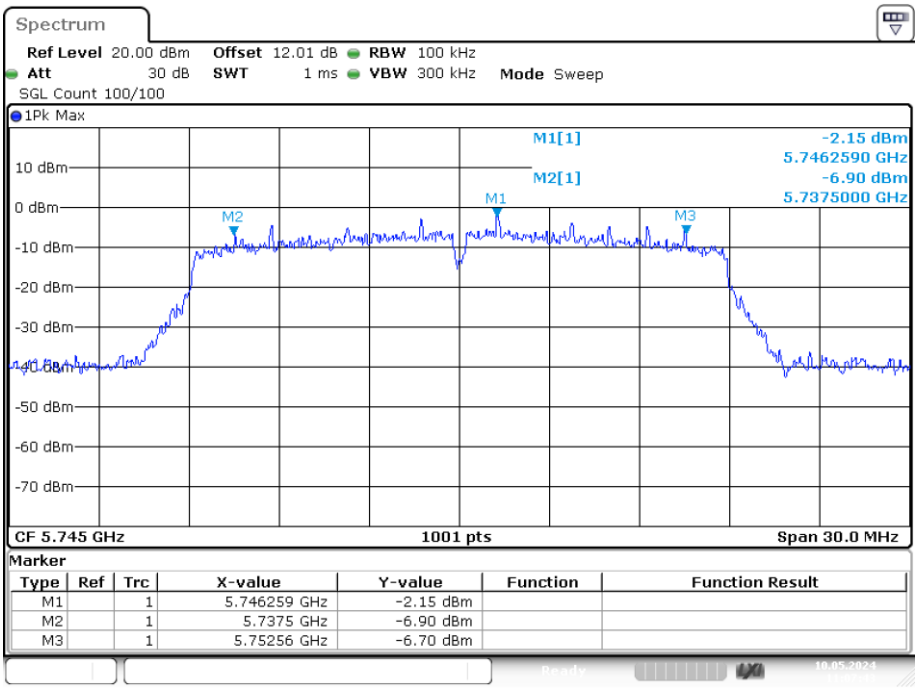
Date: 10.MAY.2024 11:36:01

-6dB Bandwidth NVNT ac80 5775MHz Ant1



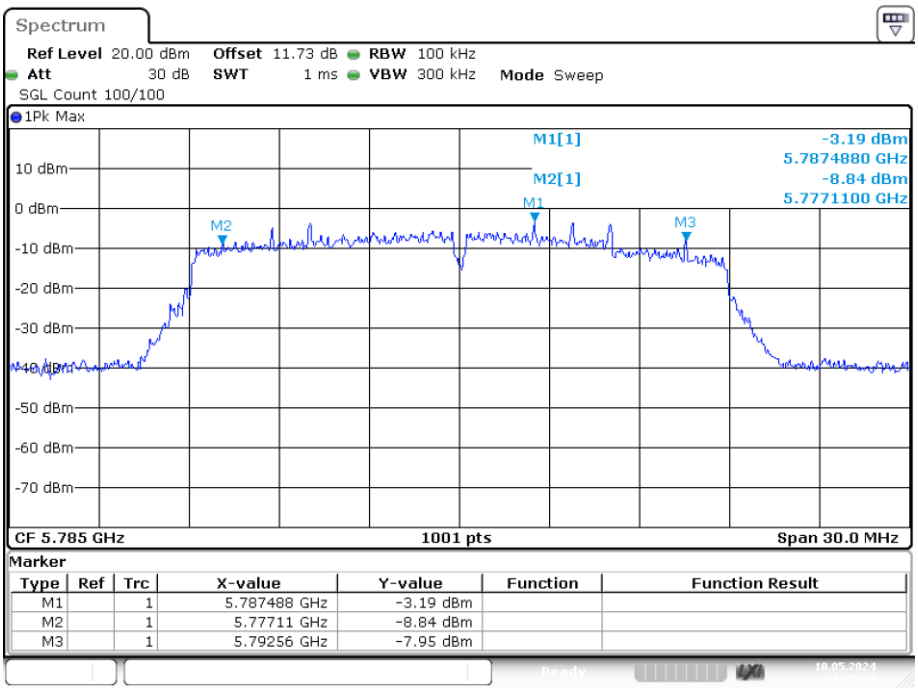
Date: 10.MAY.2024 11:38:46

-6dB Bandwidth NVNT n20 5745MHz Ant1



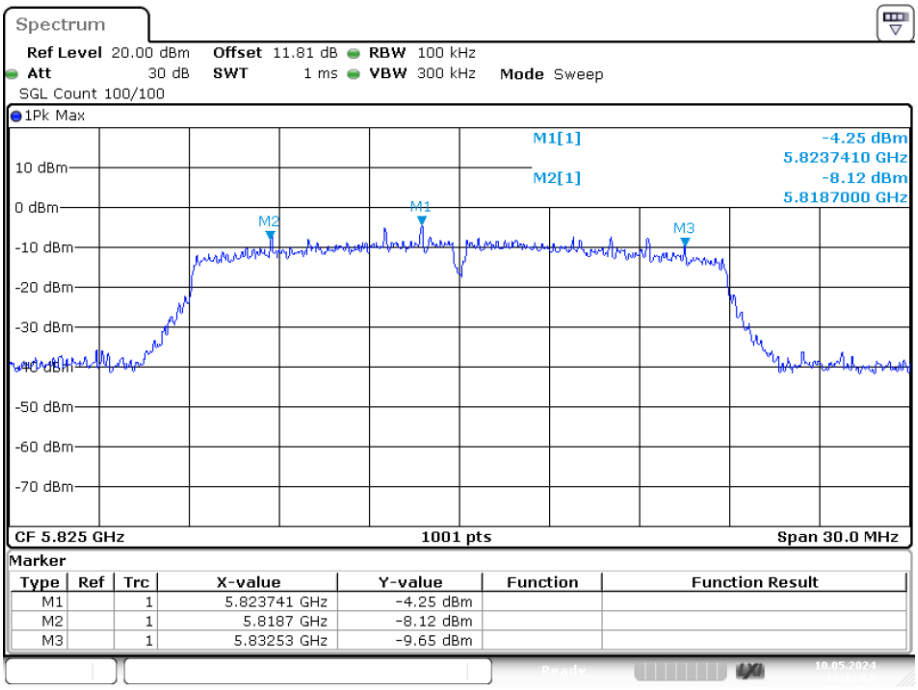
Date: 10.MAY.2024 11:07:42

-6dB Bandwidth NVNT n20 5785MHz Ant1



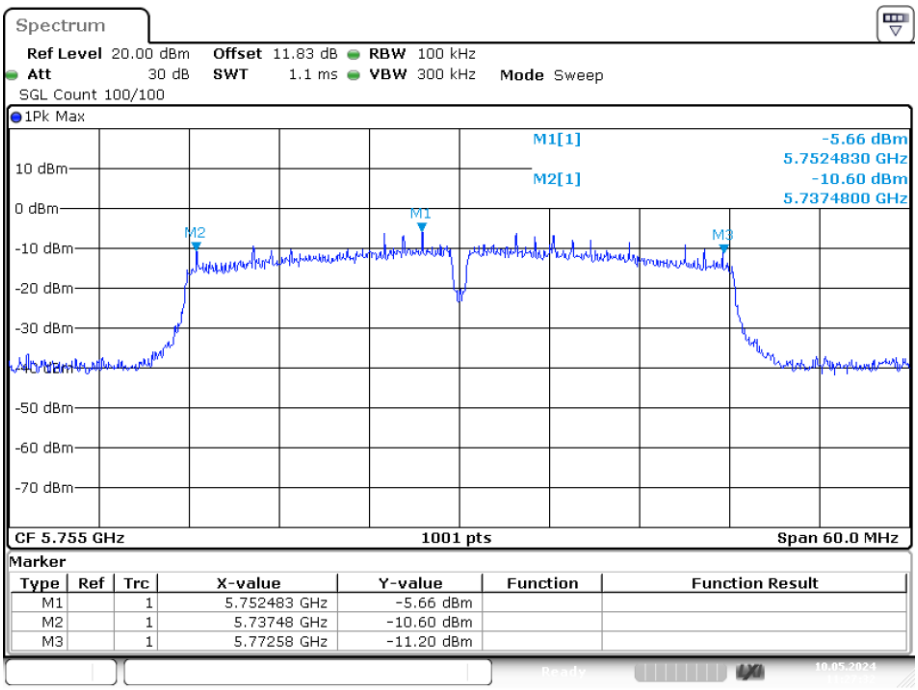
Date: 10.MAY.2024 11:10:54

-6dB Bandwidth NVNT n20 5825MHz Ant1



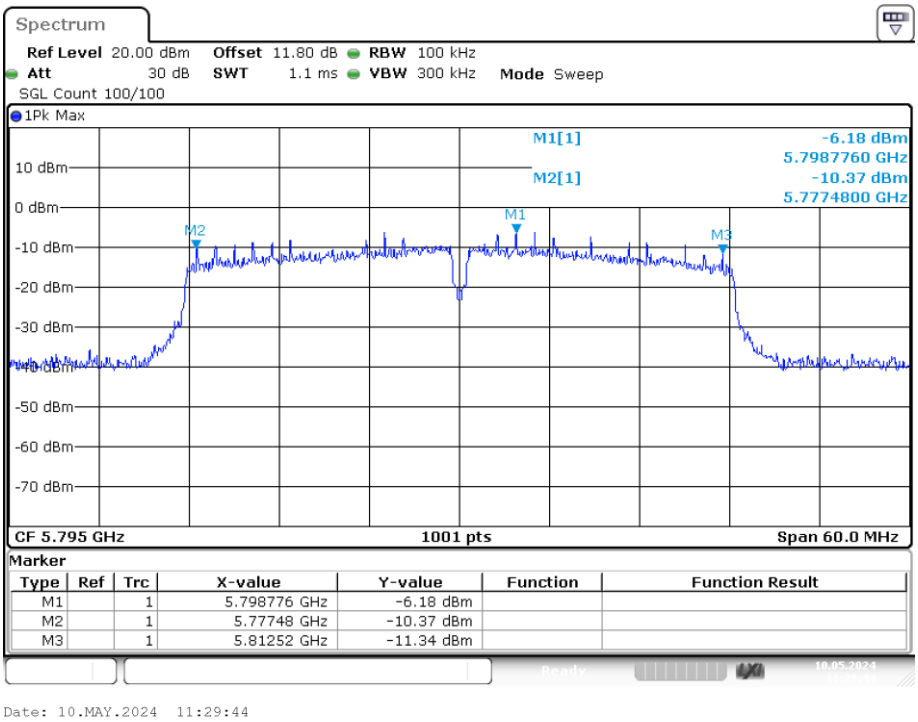
Date: 10.MAY.2024 11:12:58

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 10.MAY.2024 11:27:31

-6dB Bandwidth NVNT n40 5795MHz Ant1

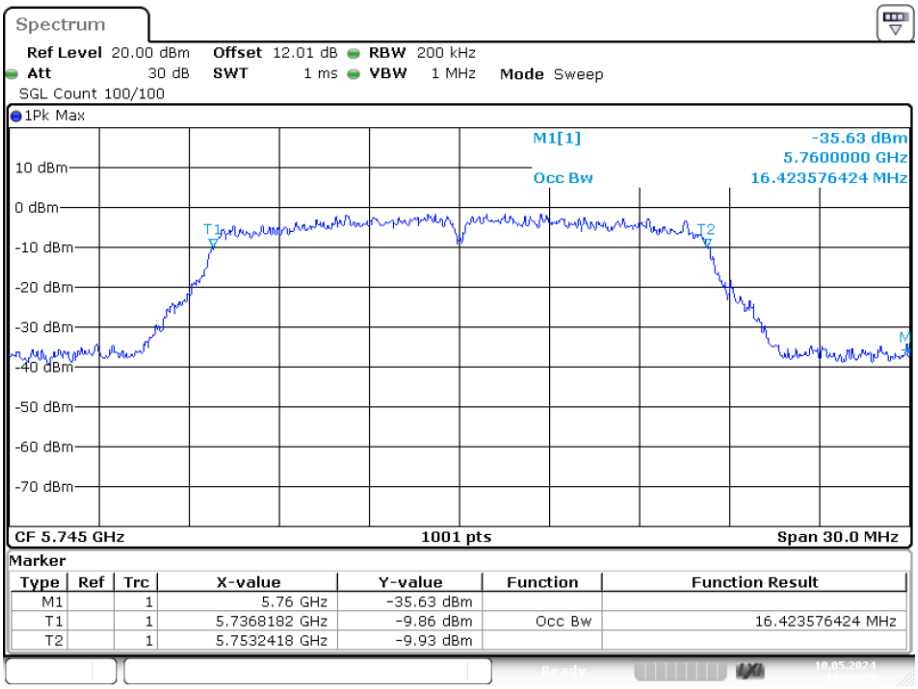


Date: 10.MAY.2024 11:29:44

Occupied Channel Bandwidth

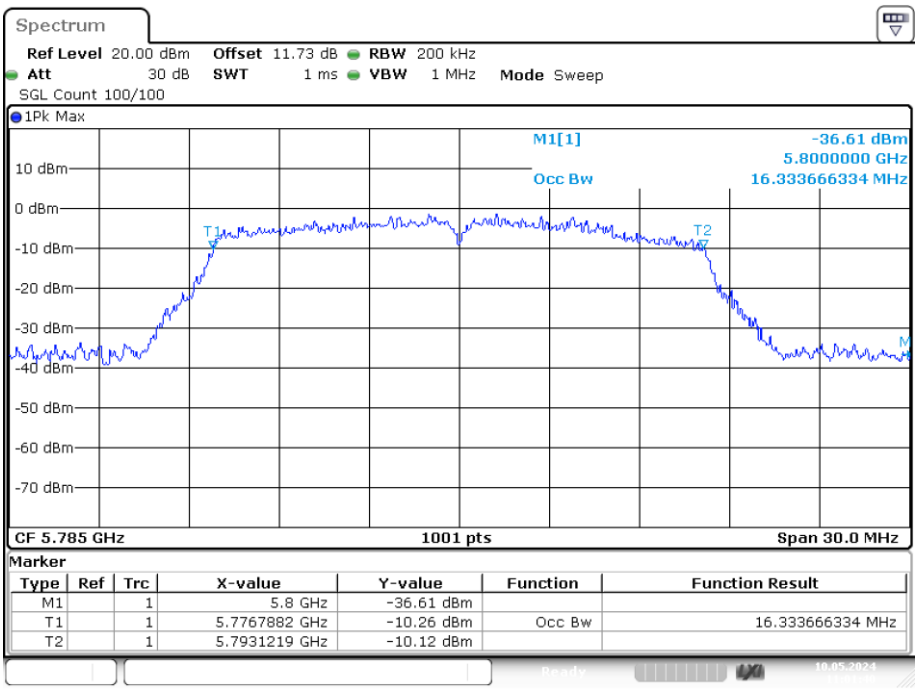
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.424
NVNT	a	5785	Ant1	16.334
NVNT	a	5825	Ant1	16.424
NVNT	ac20	5745	Ant1	17.562
NVNT	ac20	5785	Ant1	17.473
NVNT	ac20	5825	Ant1	17.562
NVNT	ac40	5755	Ant1	36.084
NVNT	ac40	5795	Ant1	36.144
NVNT	ac80	5775	Ant1	75.405
NVNT	n20	5745	Ant1	17.562
NVNT	n20	5785	Ant1	17.473
NVNT	n20	5825	Ant1	17.592
NVNT	n40	5755	Ant1	36.144
NVNT	n40	5795	Ant1	36.144

OBW NVNT a 5745MHz Ant1



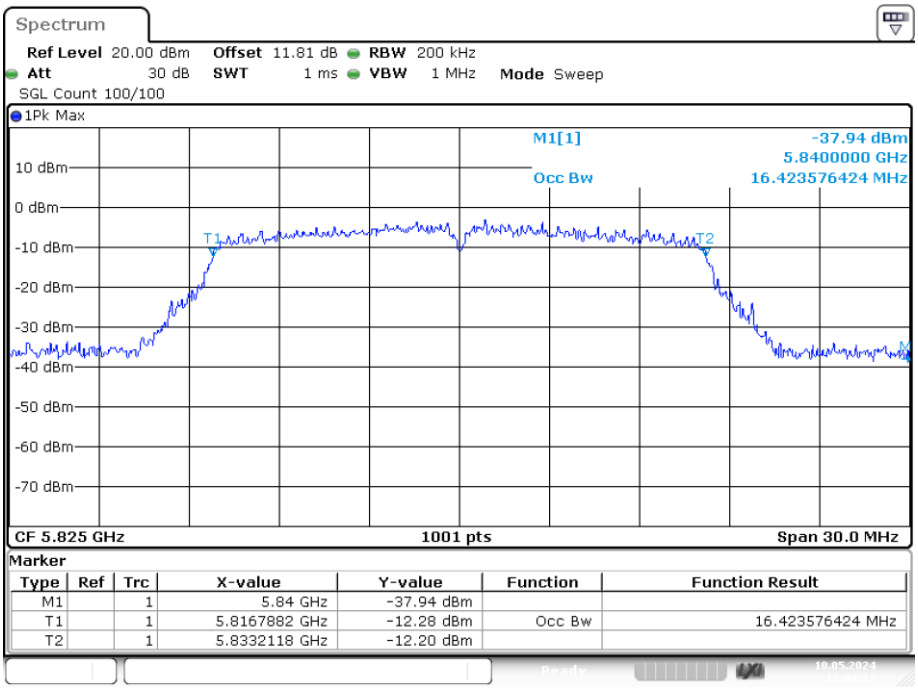
Date: 10.MAY.2024 10:58:55

OBW NVNT a 5785MHz Ant1



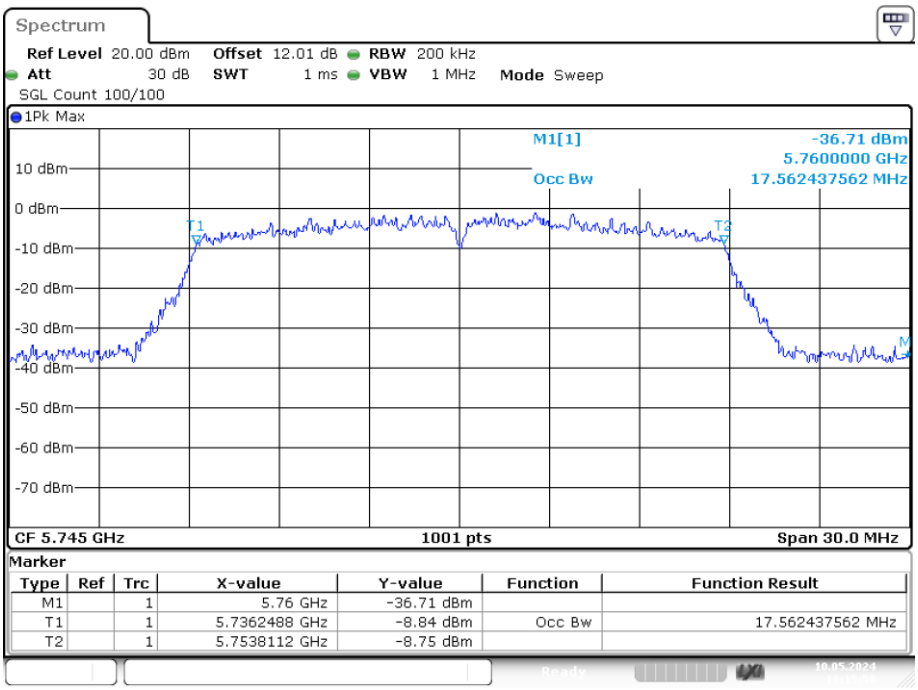
Date: 10.MAY.2024 11:01:39

OBW NVNT a 5825MHz Ant1



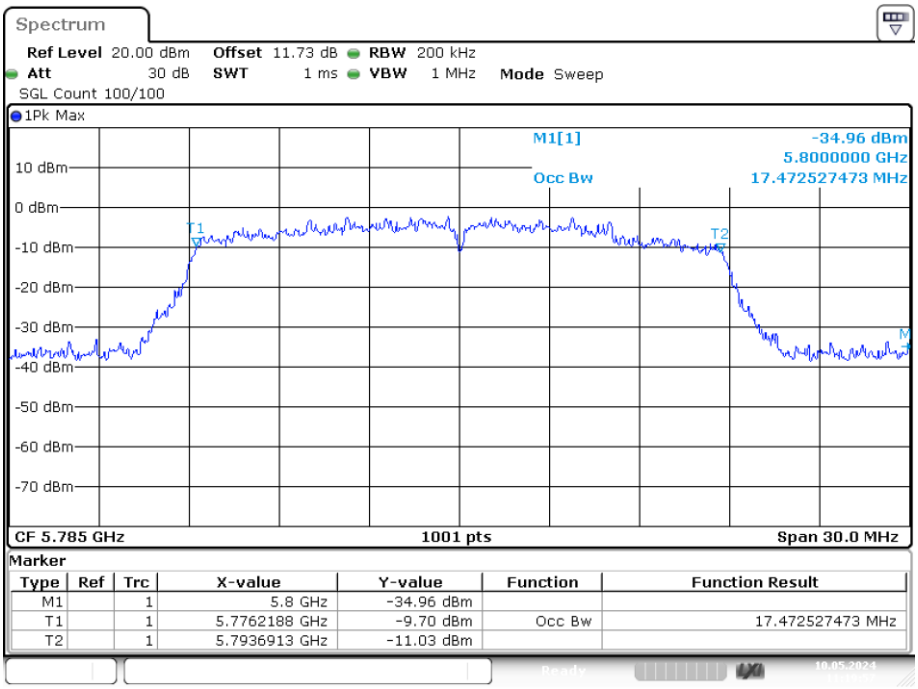
Date: 10.MAY.2024 11:04:13

OBW NVNT ac20 5745MHz Ant1



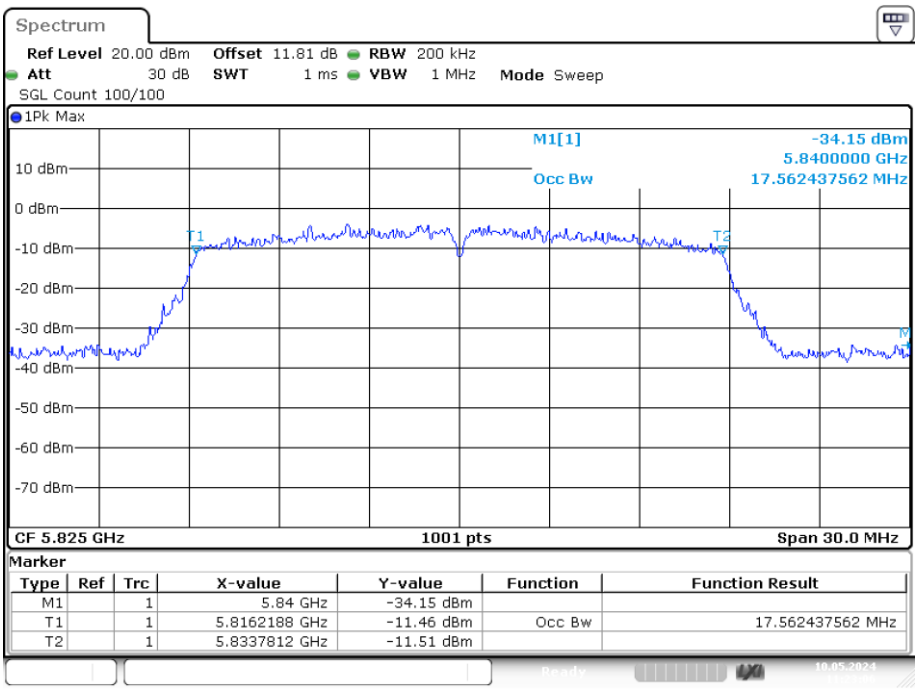
Date: 10.MAY.2024 11:15:58

OBW NVNT ac20 5785MHz Ant1



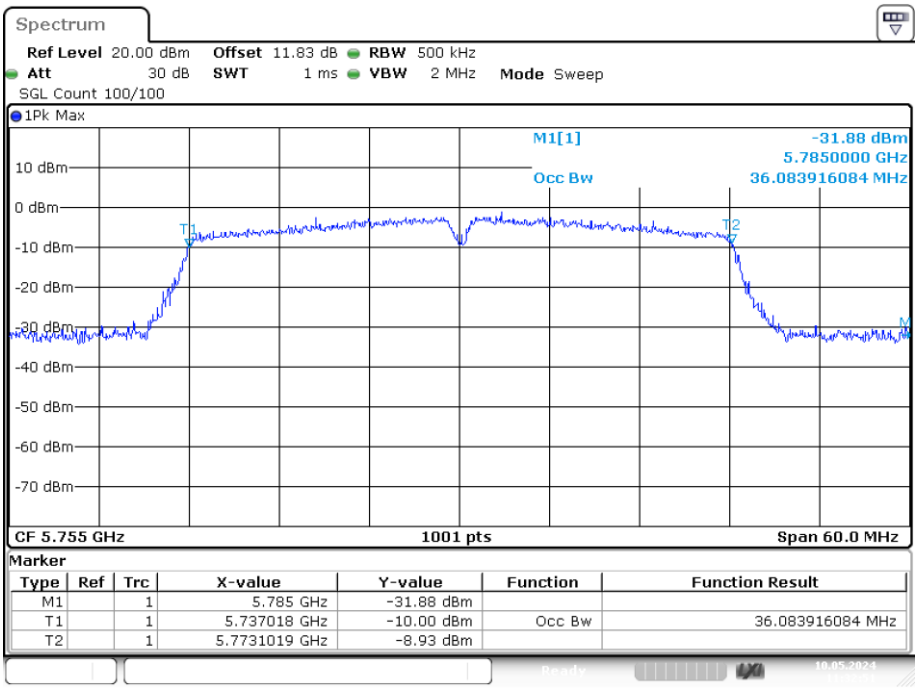
Date: 10.MAY.2024 11:19:56

OBW NVNT ac20 5825MHz Ant1



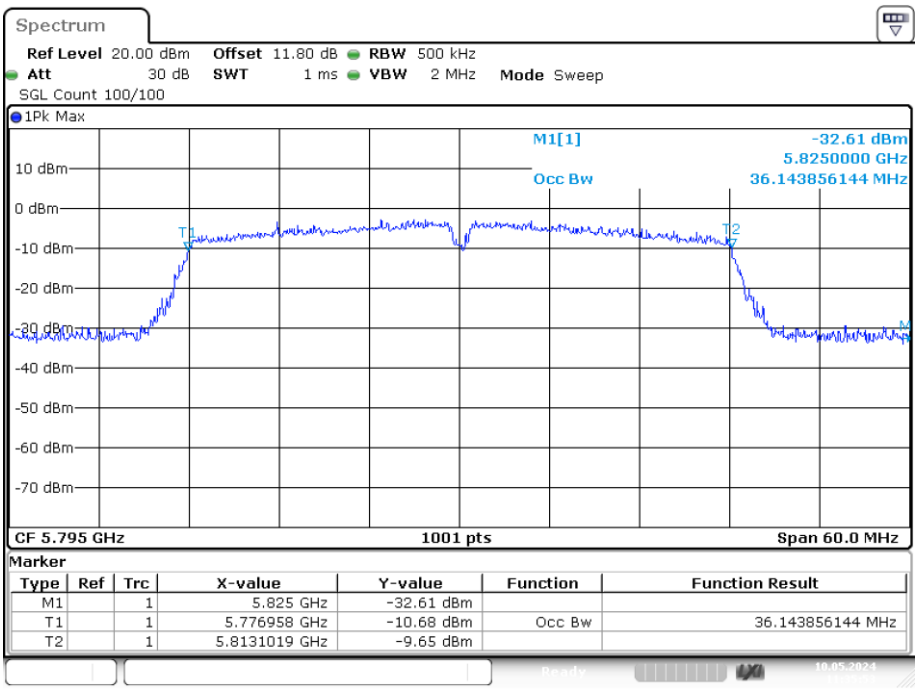
Date: 10.MAY.2024 11:23:06

OBW NVNT ac40 5755MHz Ant1



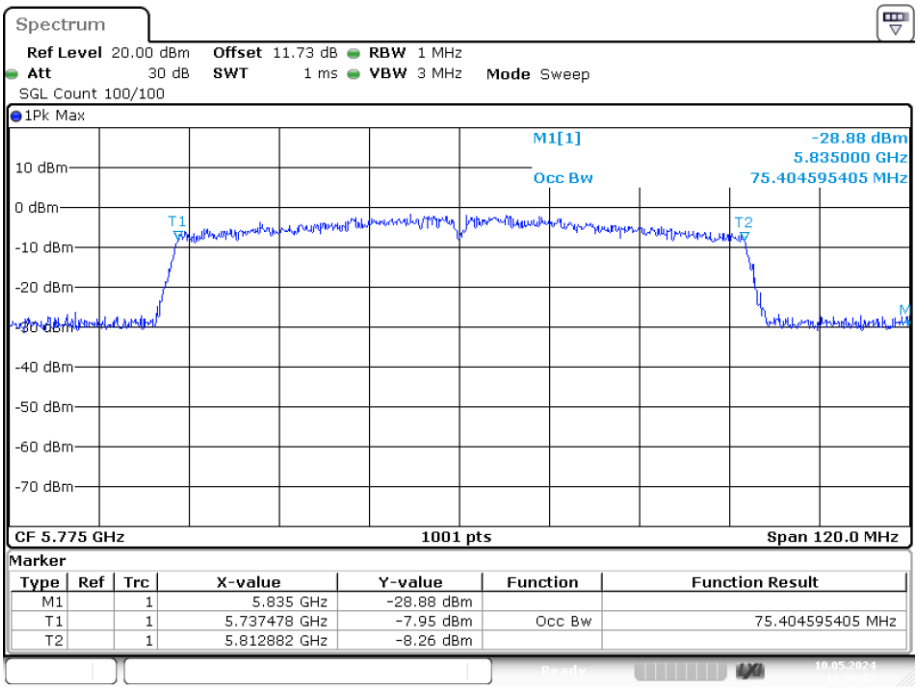
Date: 10.MAY.2024 11:32:51

OBW NVNT ac40 5795MHz Ant1



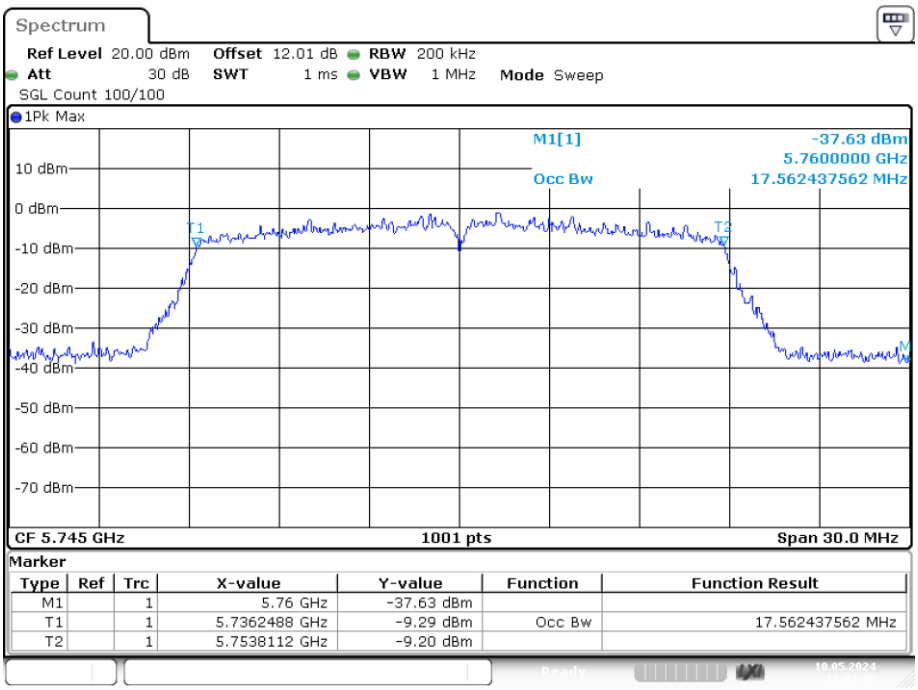
Date: 10.MAY.2024 11:35:53

OBW NVNT ac80 5775MHz Ant1



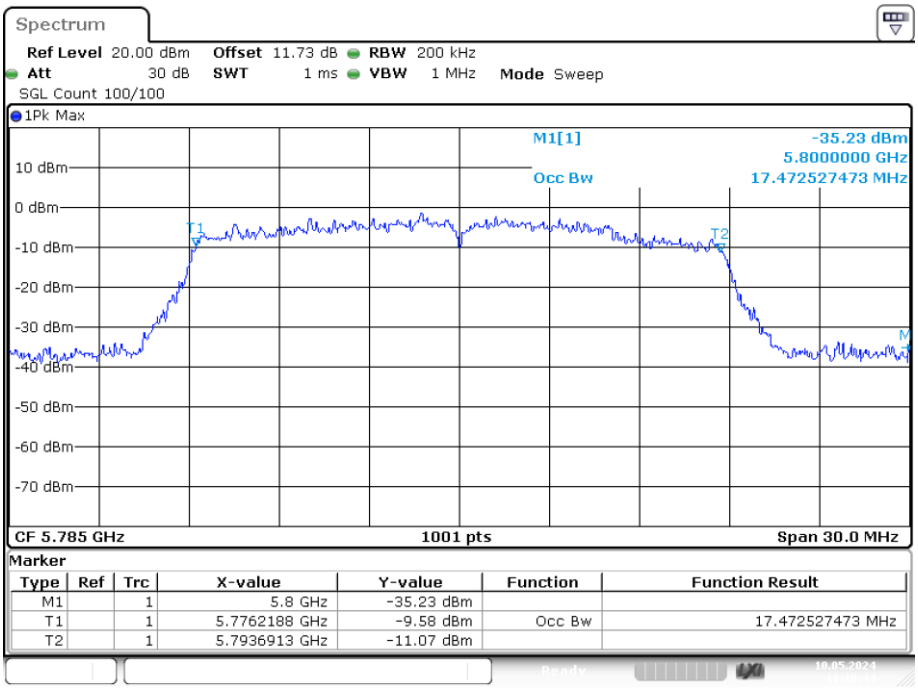
Date: 10.MAY.2024 11:38:37

OBW NVNT n20 5745MHz Ant1



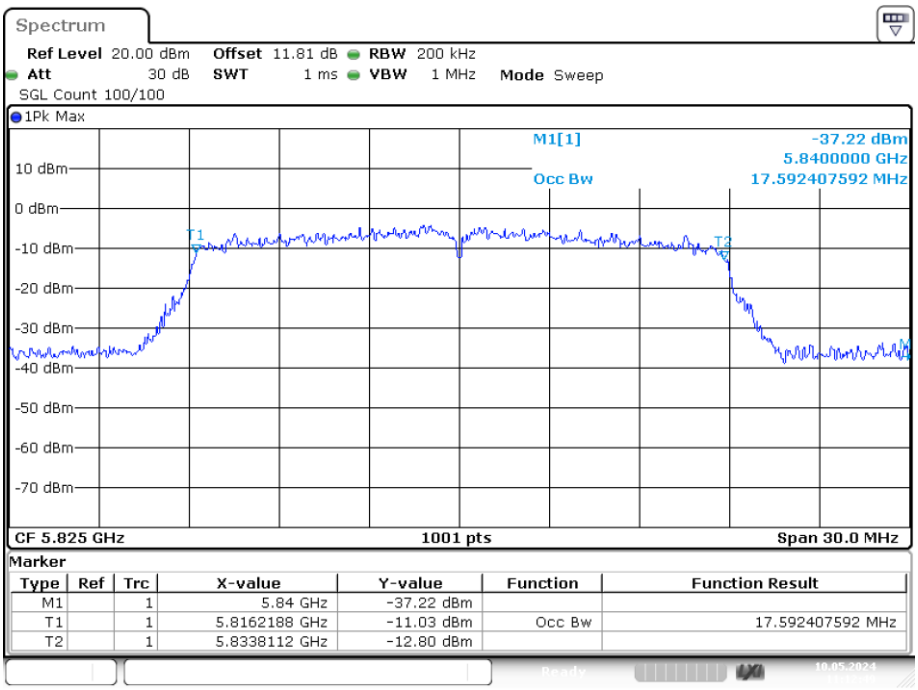
Date: 10.MAY.2024 11:07:32

OBW NVNT n20 5785MHz Ant1



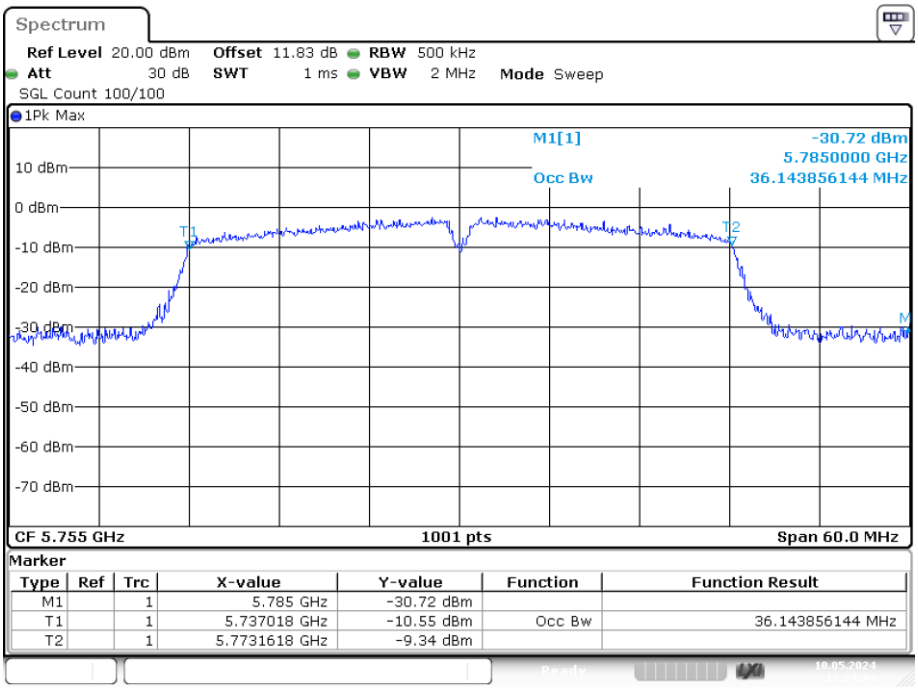
Date: 10.MAY.2024 11:10:43

OBW NVNT n20 5825MHz Ant1



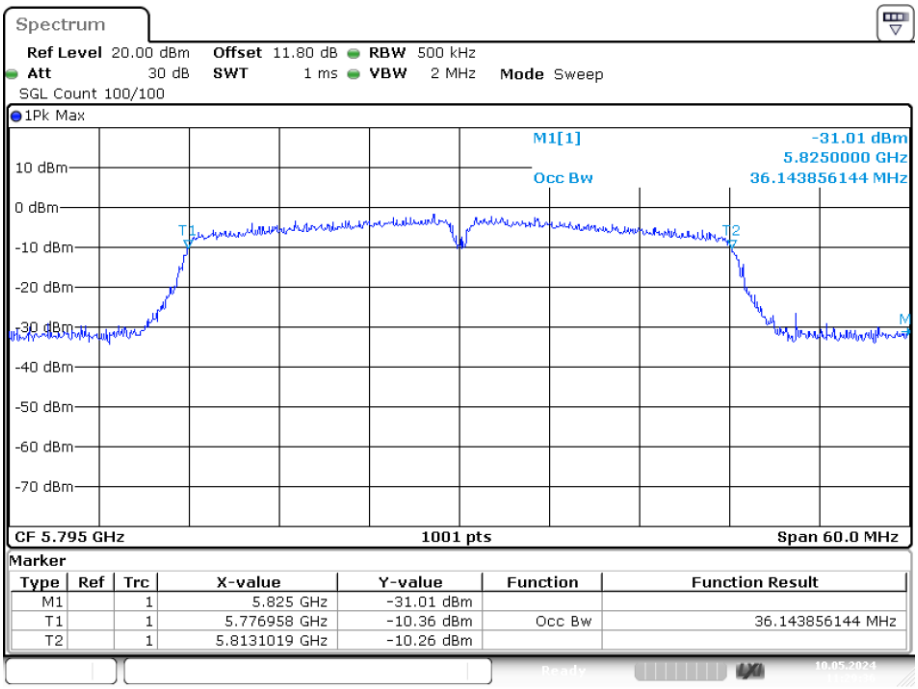
Date: 10.MAY.2024 11:12:49

OBW NVNT n40 5755MHz Ant1



Date: 10.MAY.2024 11:27:23

OBW NVNT n40 5795MHz Ant1

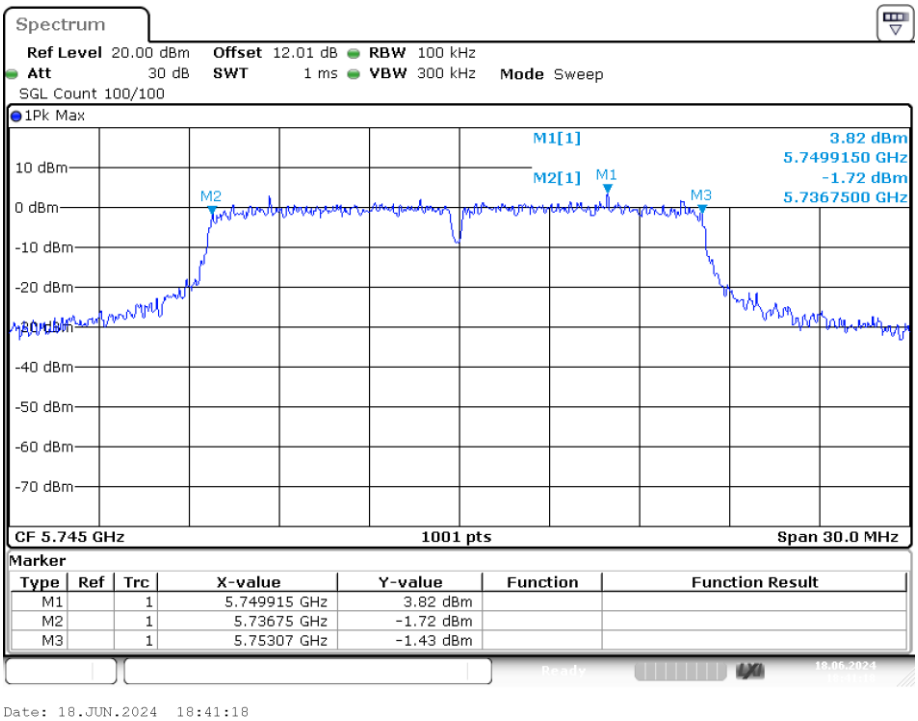


Date: 10.MAY.2024 11:29:36

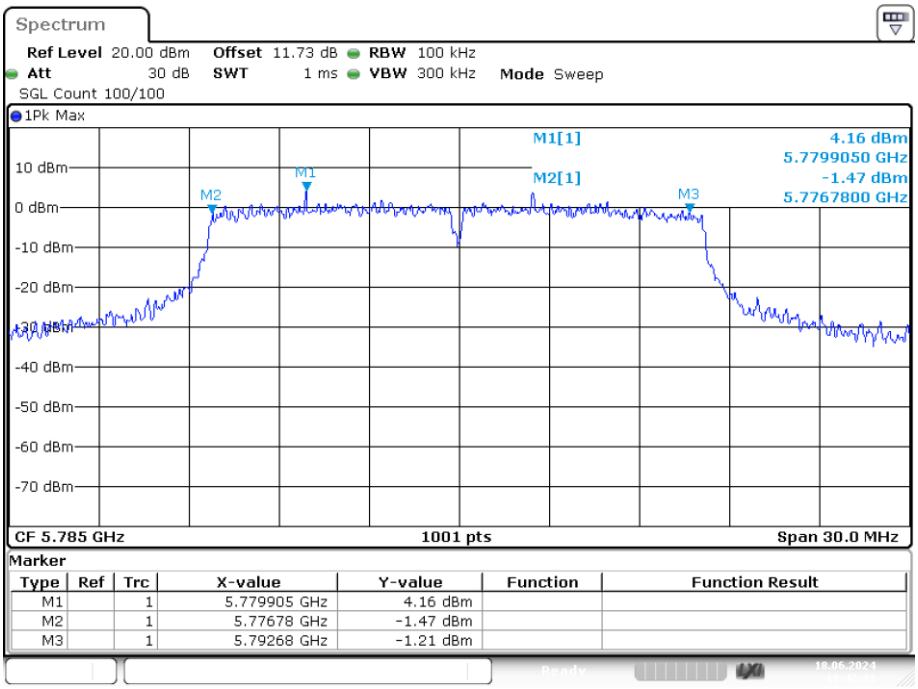
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant2	16.32	0.5	Pass
NVNT	a	5785	Ant2	15.9	0.5	Pass
NVNT	a	5825	Ant2	15.93	0.5	Pass
NVNT	ac20	5745	Ant2	17.58	0.5	Pass
NVNT	ac20	5785	Ant2	17.28	0.5	Pass
NVNT	ac20	5825	Ant2	16.77	0.5	Pass
NVNT	ac40	5755	Ant2	35.7	0.5	Pass
NVNT	ac40	5795	Ant2	35.16	0.5	Pass
NVNT	ac80	5775	Ant2	71.64	0.5	Pass
NVNT	n20	5745	Ant2	16.29	0.5	Pass
NVNT	n20	5785	Ant2	17.64	0.5	Pass
NVNT	n20	5825	Ant2	17.28	0.5	Pass
NVNT	n40	5755	Ant2	36.36	0.5	Pass
NVNT	n40	5795	Ant2	33.72	0.5	Pass

-6dB Bandwidth NVNT a 5745MHz Ant2

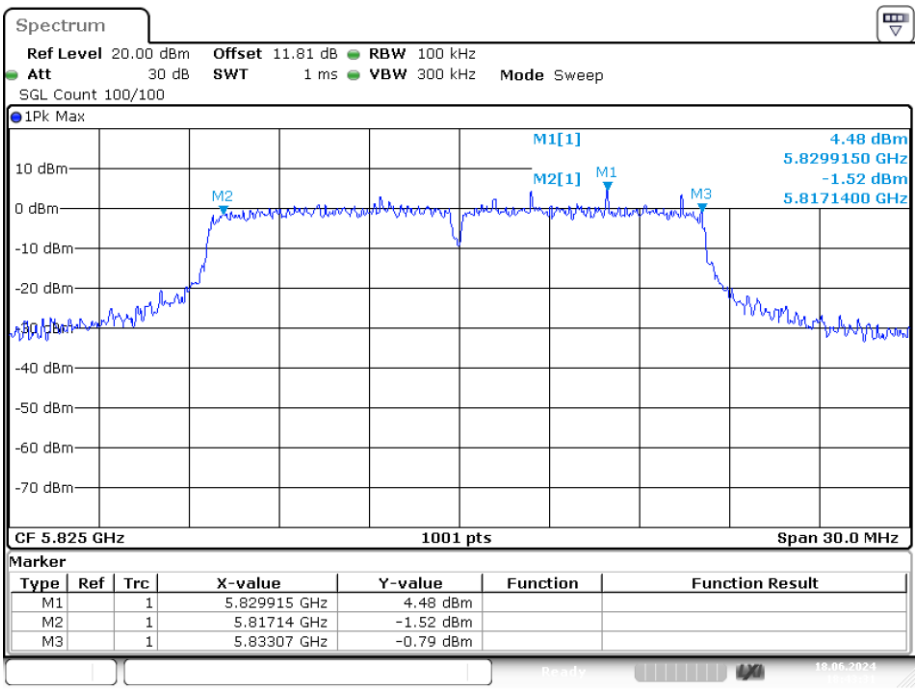


-6dB Bandwidth NVNT a 5785MHz Ant2



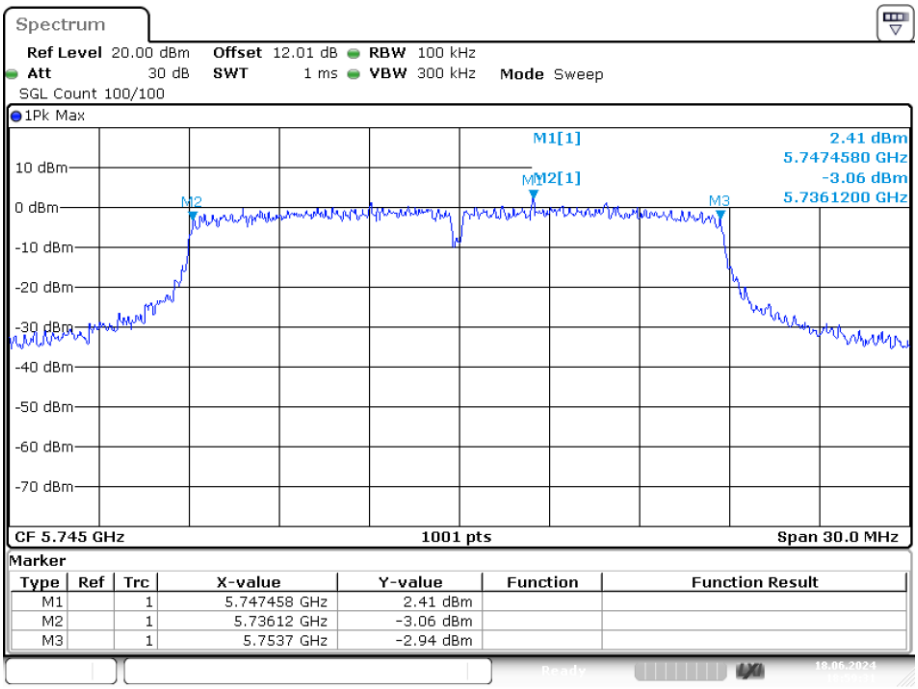
Date: 18.JUN.2024 18:42:31

-6dB Bandwidth NVNT a 5825MHz Ant2



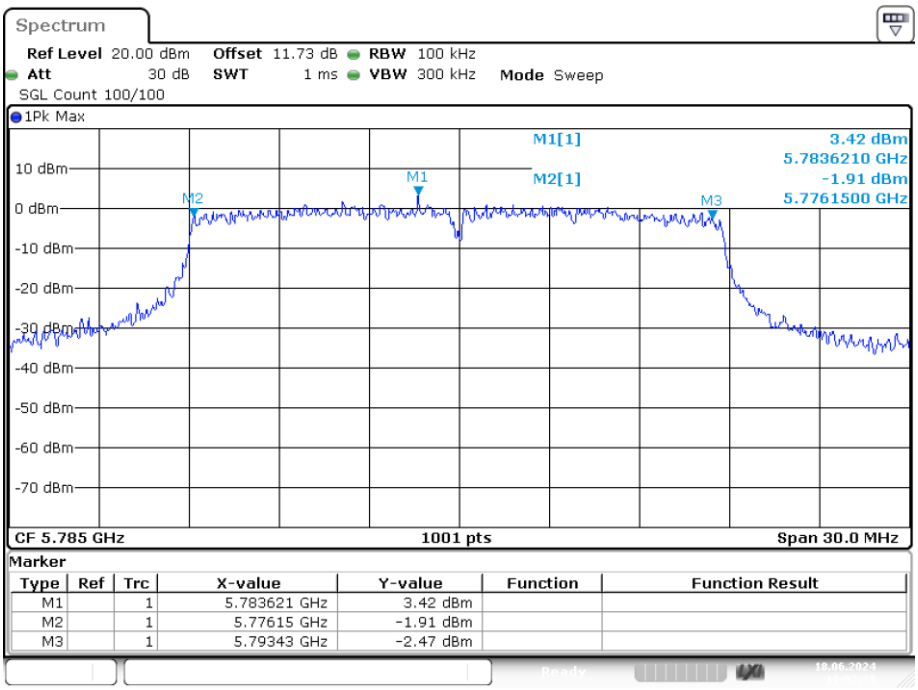
Date: 18.JUN.2024 18:43:31

-6dB Bandwidth NVNT ac20 5745MHz Ant2



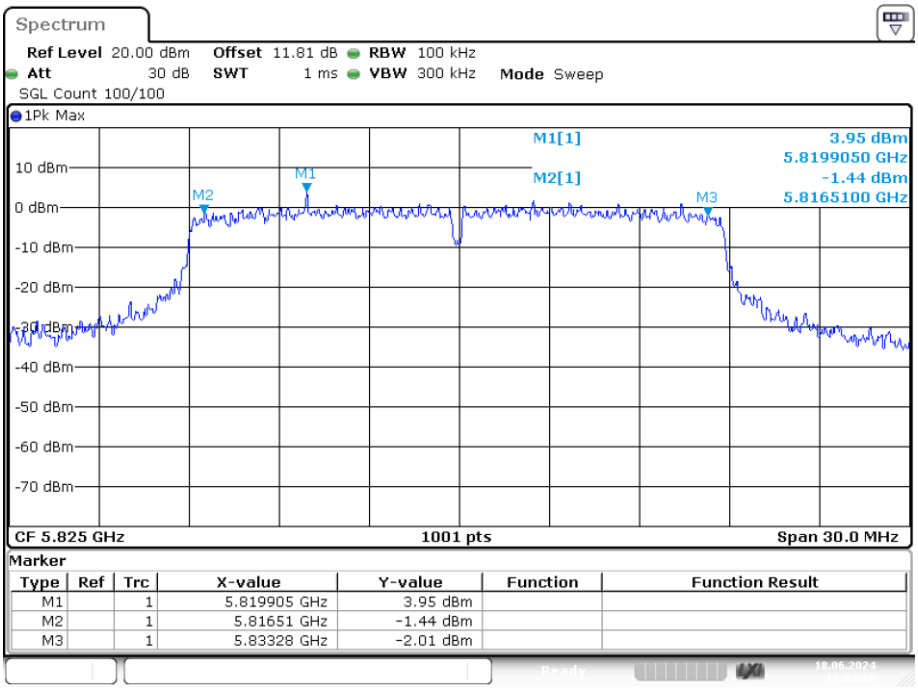
Date: 18.JUN.2024 18:59:31

-6dB Bandwidth NVNT ac20 5785MHz Ant2



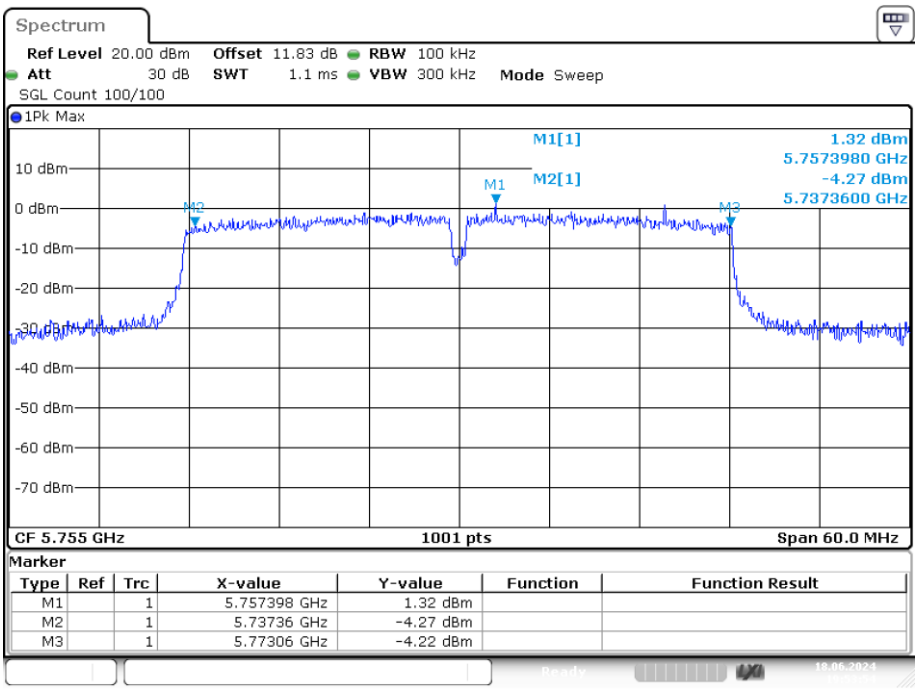
Date: 18.JUN.2024 19:02:39

-6dB Bandwidth NVNT ac20 5825MHz Ant2



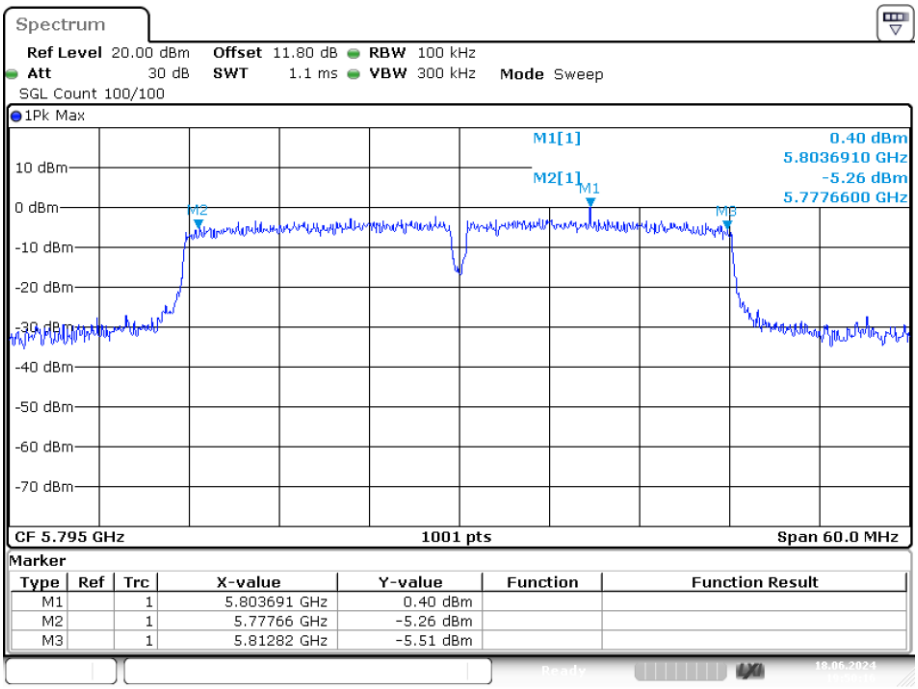
Date: 18.JUN.2024 19:03:28

-6dB Bandwidth NVNT ac40 5755MHz Ant2



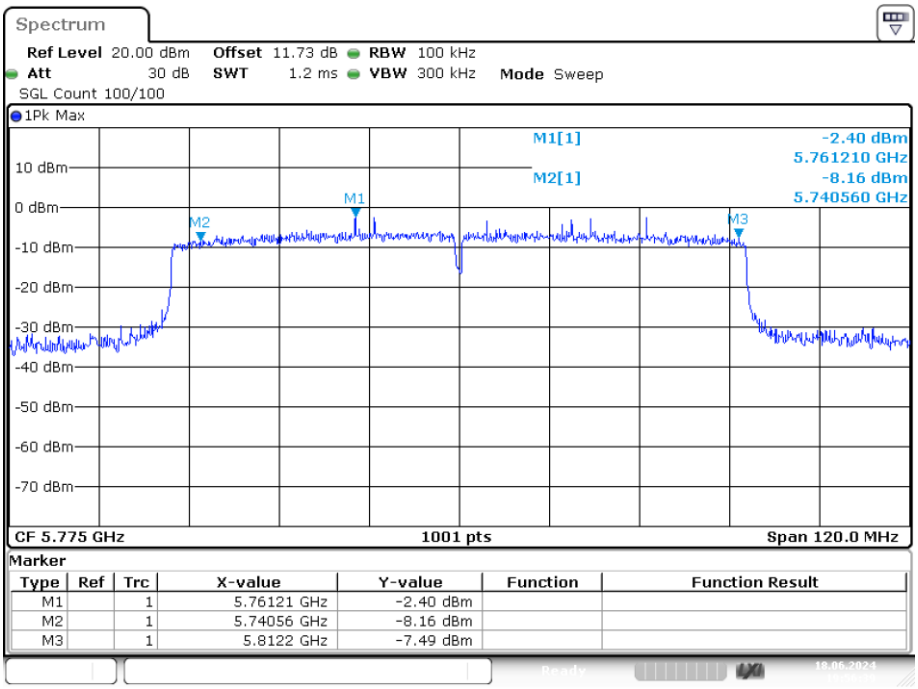
Date: 18.JUN.2024 19:53:54

-6dB Bandwidth NVNT ac40 5795MHz Ant2



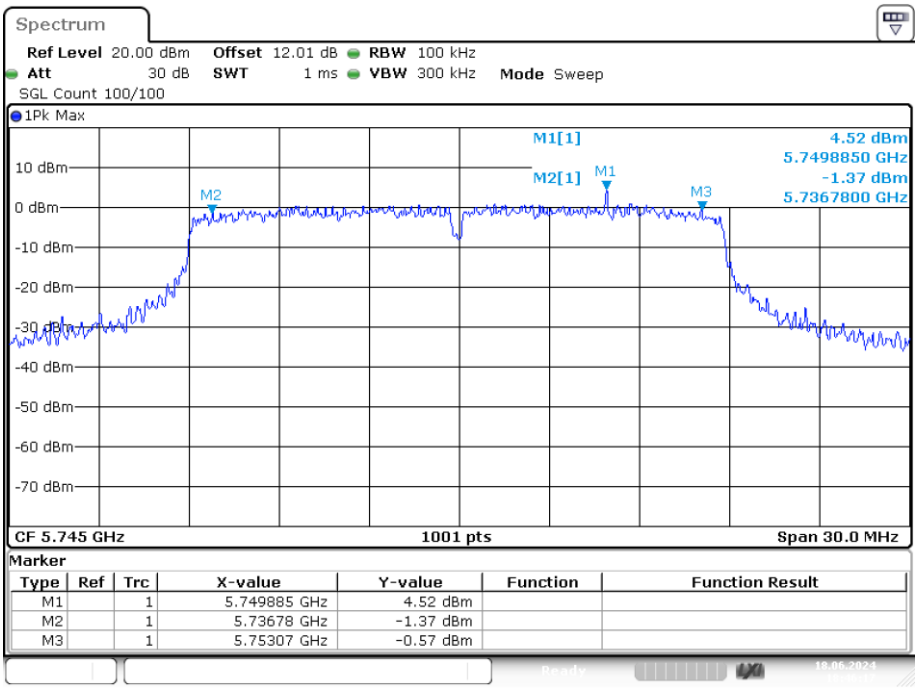
Date: 18.JUN.2024 19:50:15

-6dB Bandwidth NVNT ac80 5775MHz Ant2



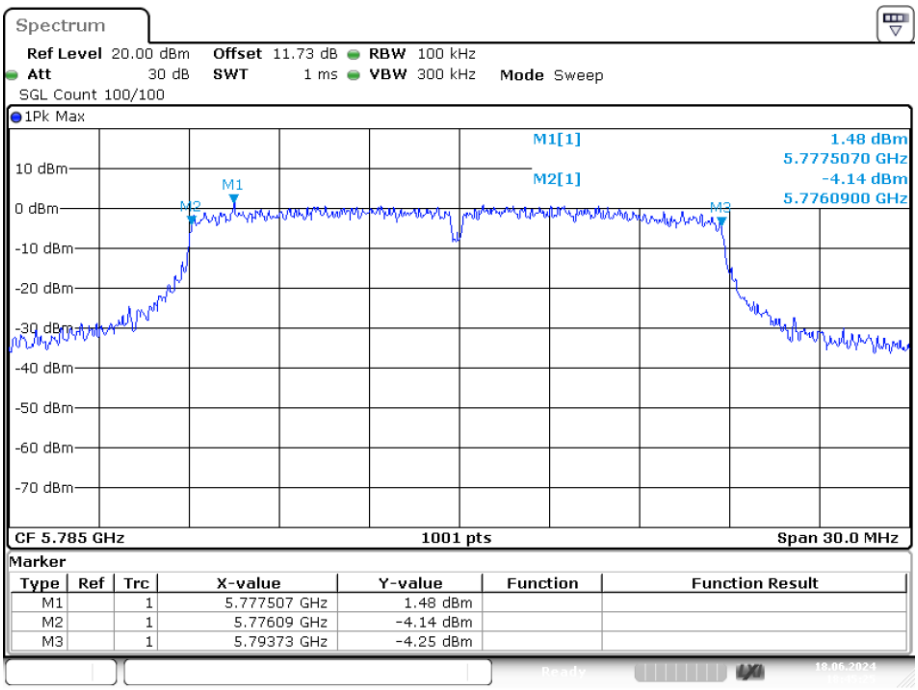
Date: 18.JUN.2024 19:56:40

-6dB Bandwidth NVNT n20 5745MHz Ant2



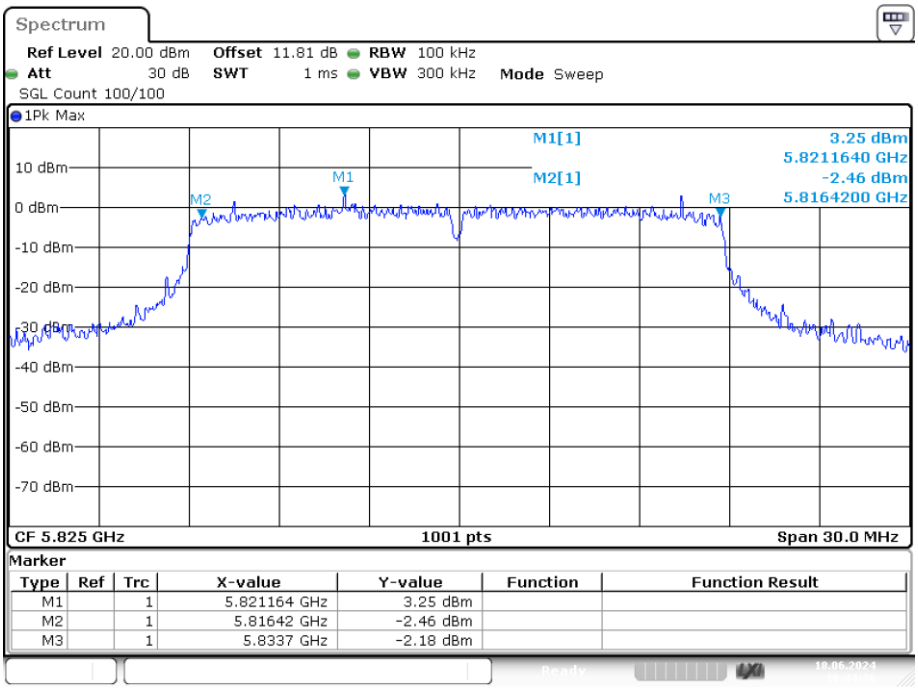
Date: 18.JUN.2024 18:46:17

-6dB Bandwidth NVNT n20 5785MHz Ant2



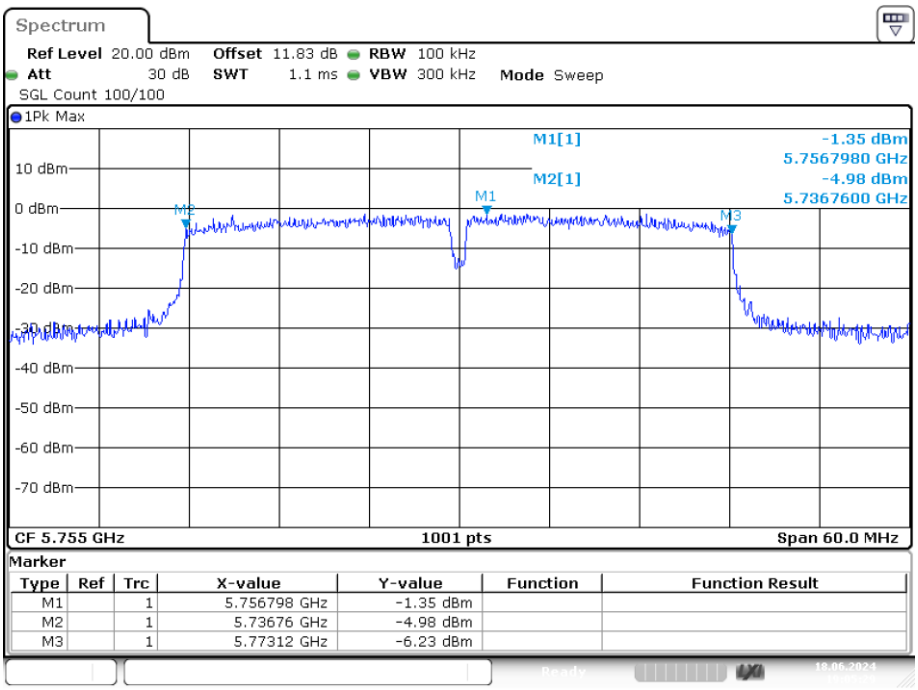
Date: 18.JUN.2024 18:45:25

-6dB Bandwidth NVNT n20 5825MHz Ant2



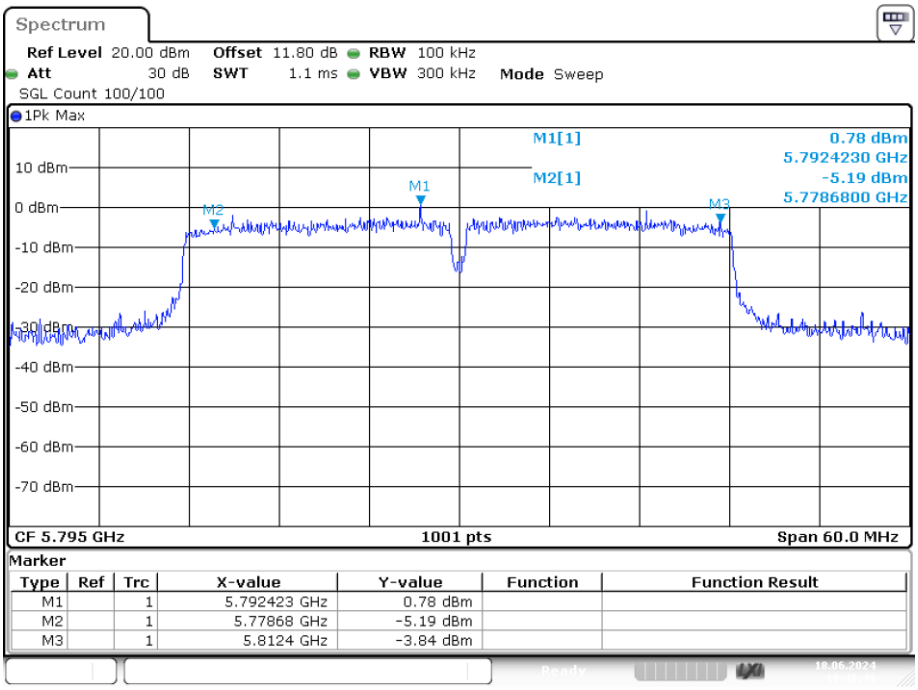
Date: 18.JUN.2024 18:44:36

-6dB Bandwidth NVNT n40 5755MHz Ant2



Date: 18.JUN.2024 19:05:29

-6dB Bandwidth NVNT n40 5795MHz Ant2

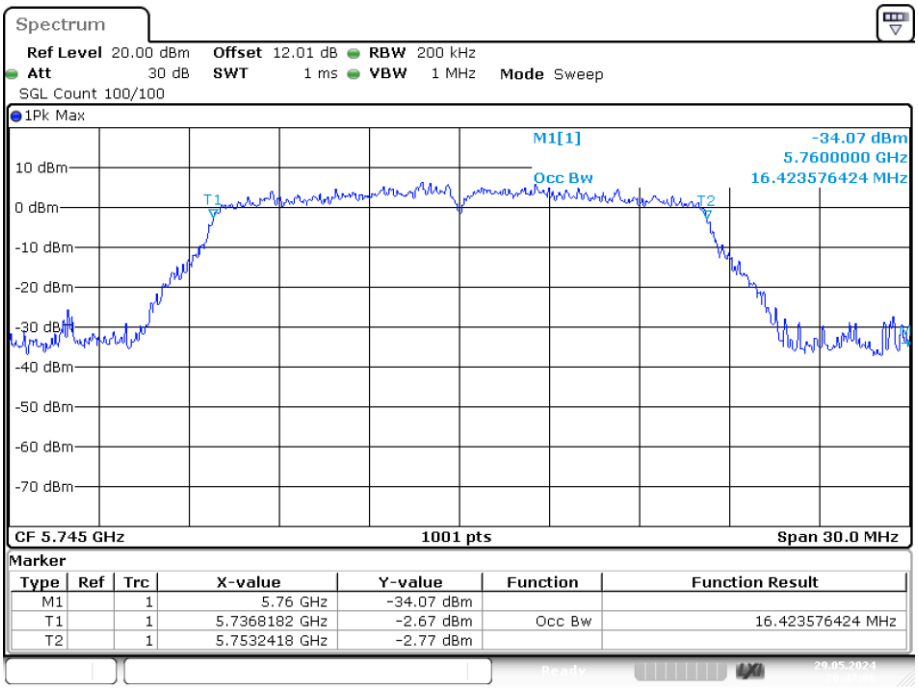


Date: 18.JUN.2024 19:48:49

Occupied Channel Bandwidth

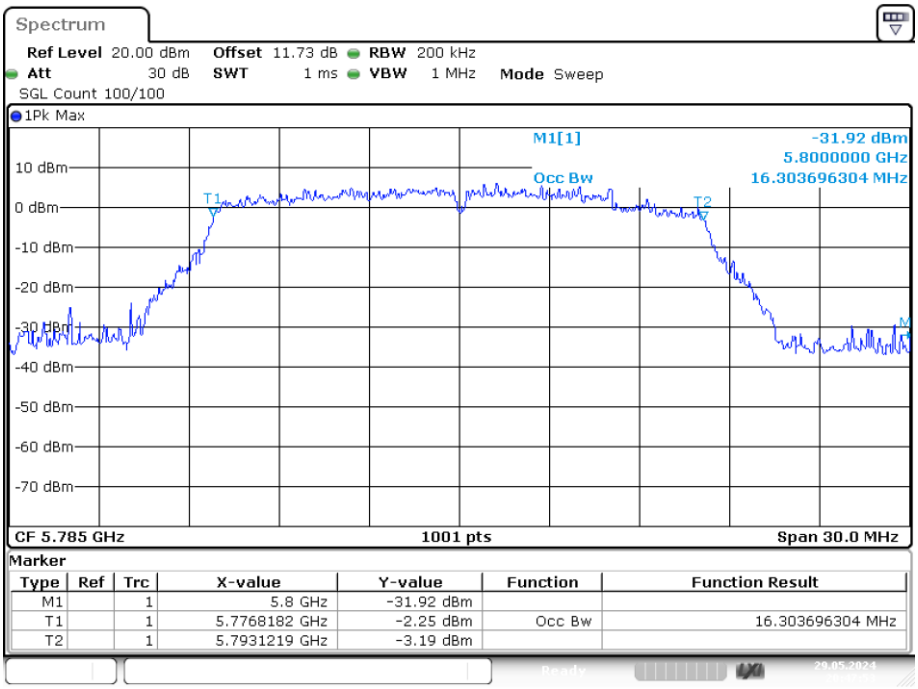
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant2	16.424
NVNT	a	5785	Ant2	16.304
NVNT	a	5825	Ant2	16.364
NVNT	ac20	5745	Ant2	17.562
NVNT	ac20	5785	Ant2	17.473
NVNT	ac20	5825	Ant2	17.532
NVNT	ac40	5755	Ant2	36.084
NVNT	ac40	5795	Ant2	36.024
NVNT	ac80	5775	Ant2	75.165
NVNT	n20	5745	Ant2	17.562
NVNT	n20	5785	Ant2	17.473
NVNT	n20	5825	Ant2	17.562
NVNT	n40	5755	Ant2	36.024
NVNT	n40	5795	Ant2	36.144

OBW NVNT a 5745MHz Ant2



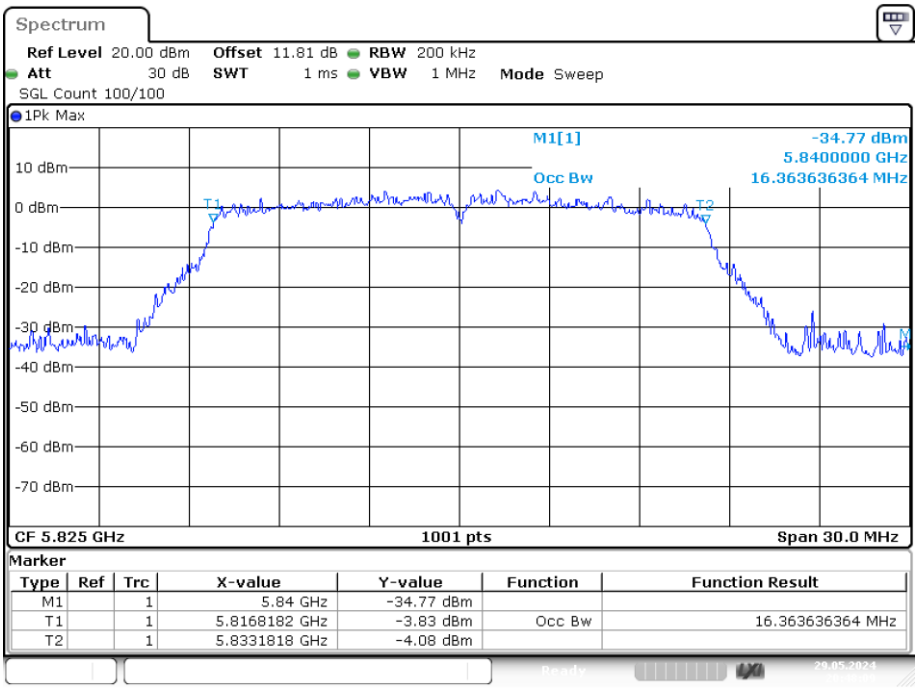
Date: 29.MAY.2024 20:47:06

OBW NVNT a 5785MHz Ant2



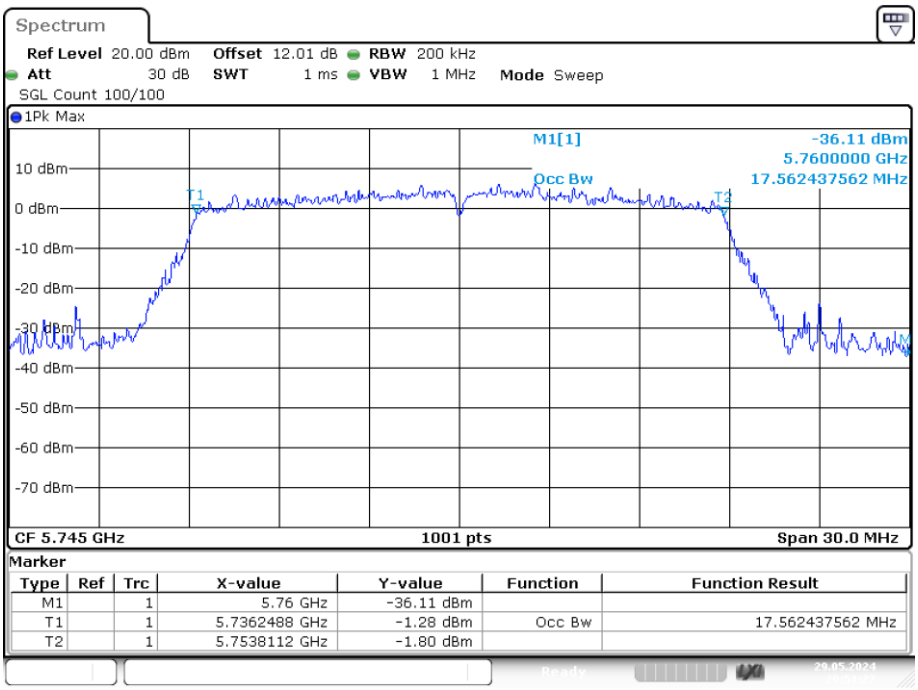
Date: 29.MAY.2024 20:47:53

OBW NVNT a 5825MHz Ant2



Date: 29.MAY.2024 20:48:09

OBW NVNT ac20 5745MHz Ant2



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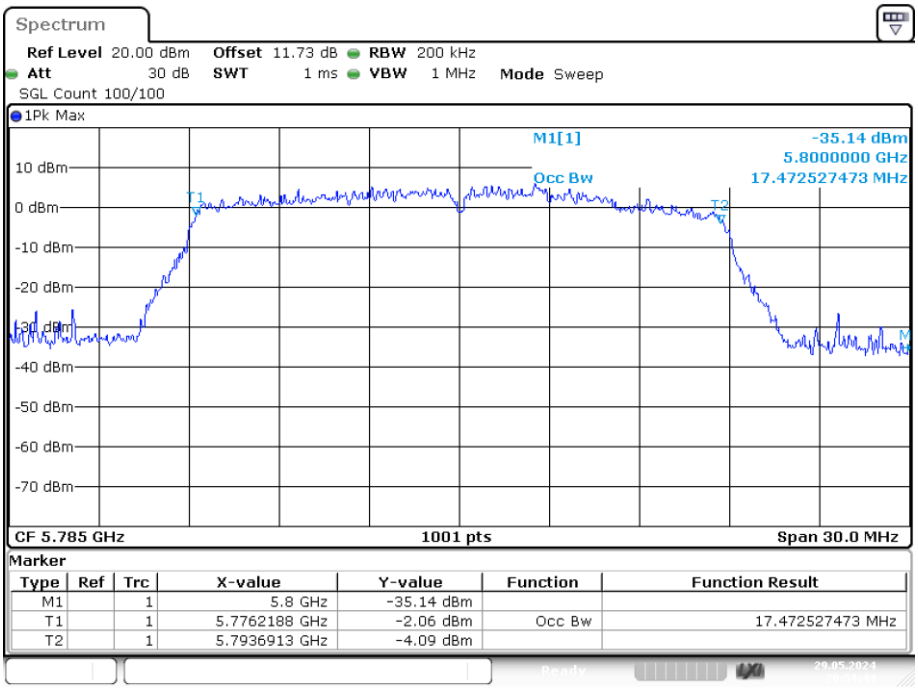
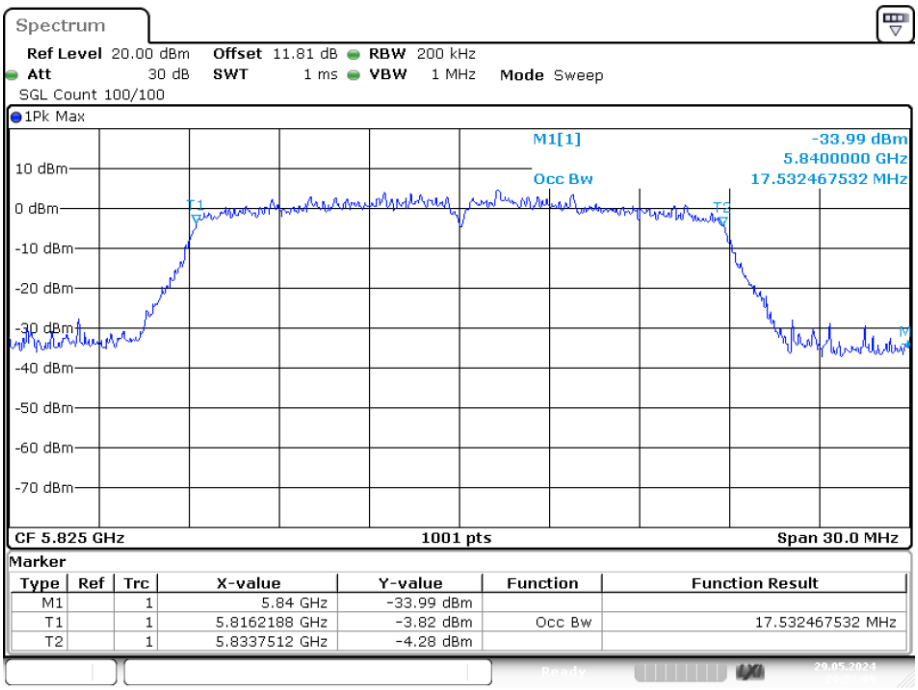
OBW NVNT ac20 5785MHz Ant2



Date: 29.MAY.2024 20:51:43

OBW NVNT ac20 5825MHz Ant2



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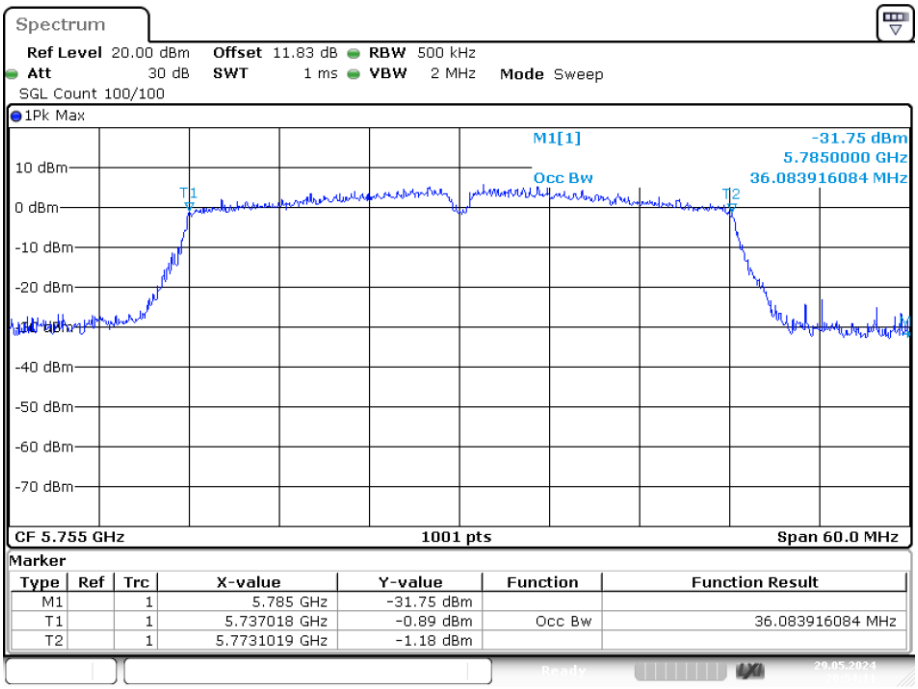
OBW NVNT ac40 5755MHz Ant2



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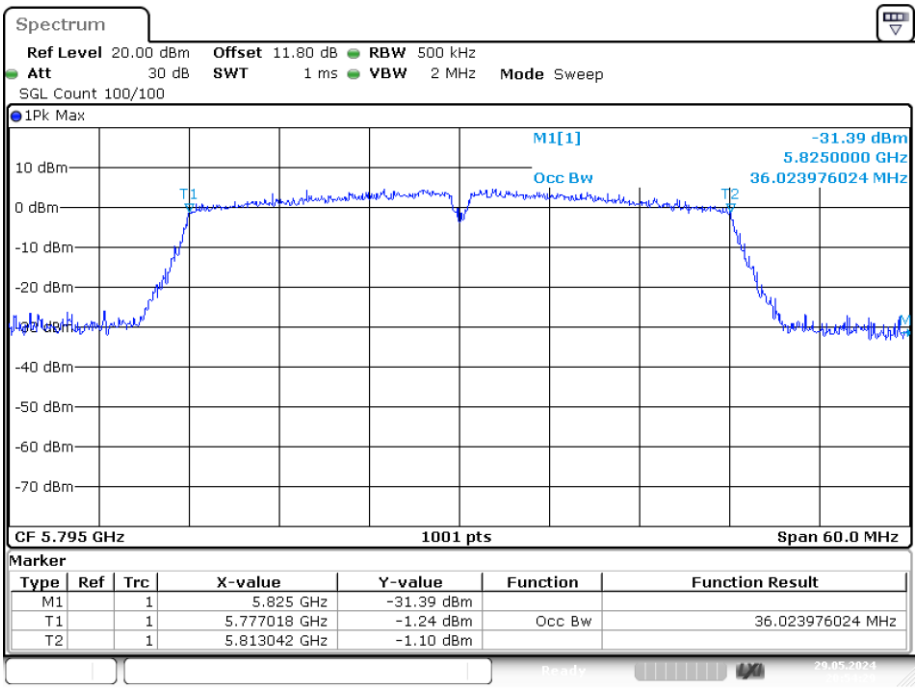
OBW NVNT ac40 5795MHz Ant2



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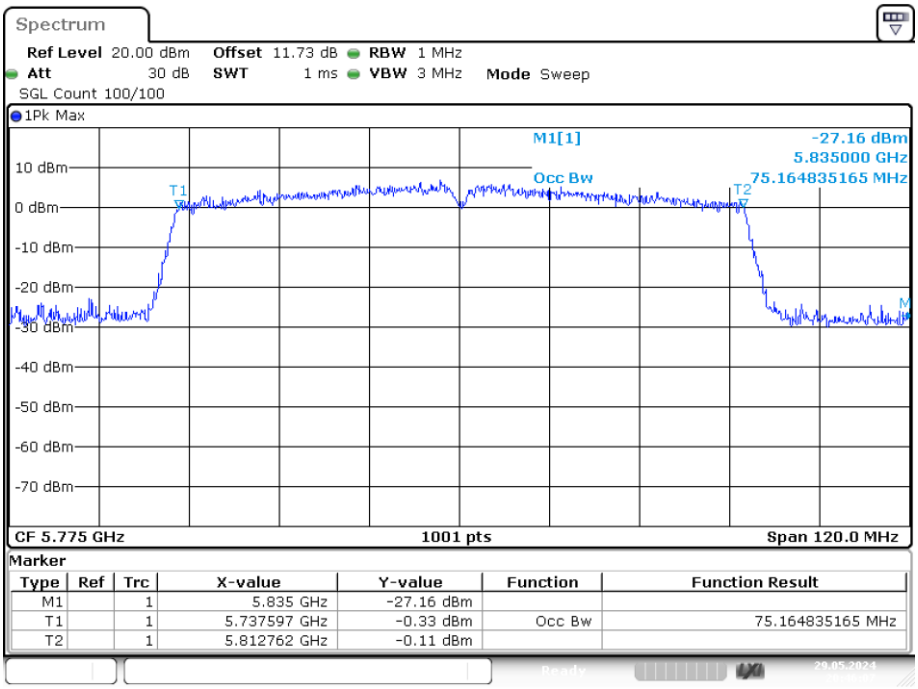
OBW NVNT ac80 5775MHz Ant2



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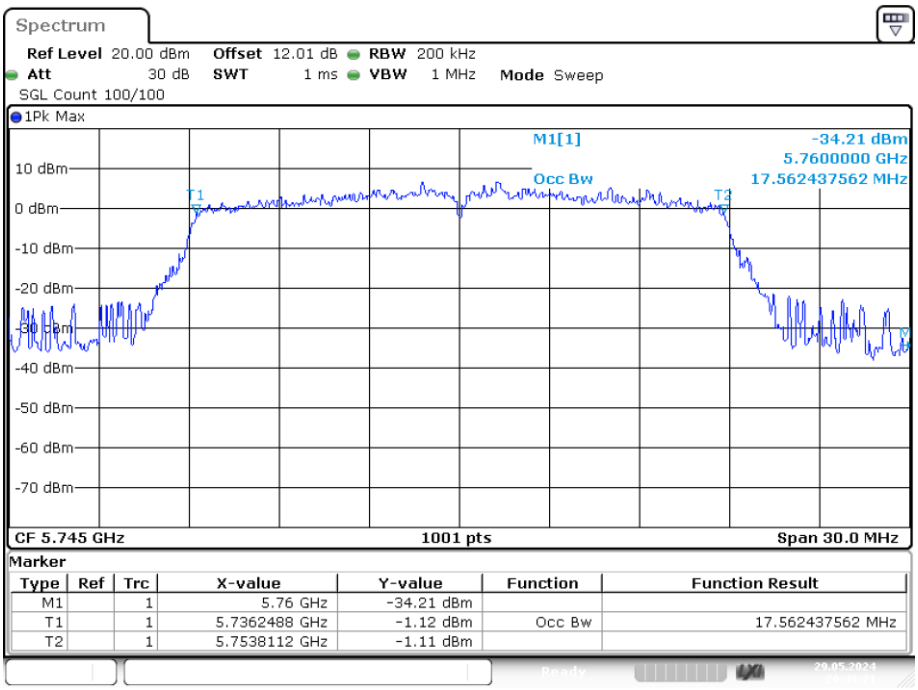

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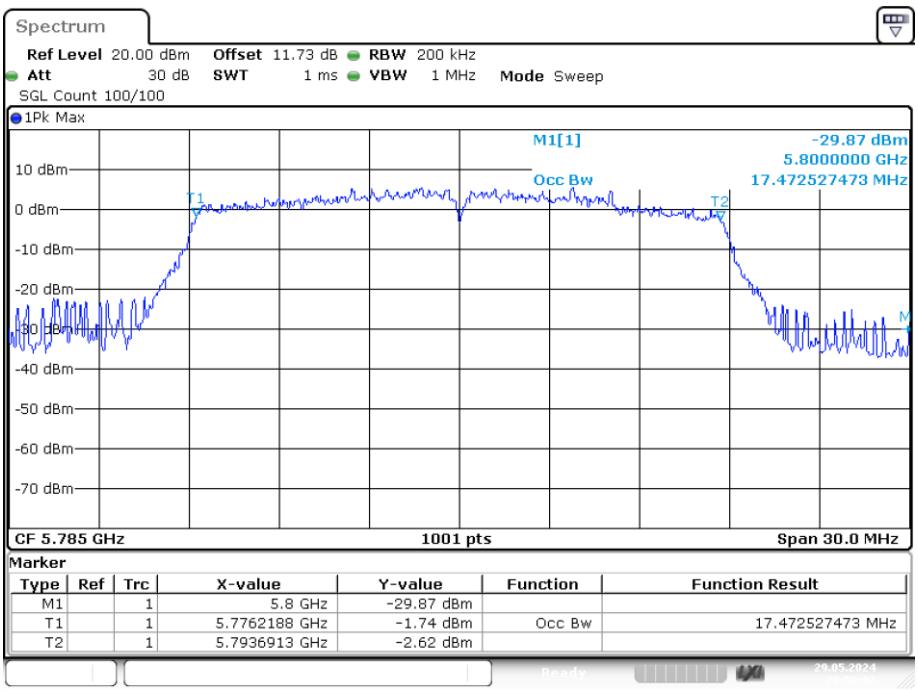

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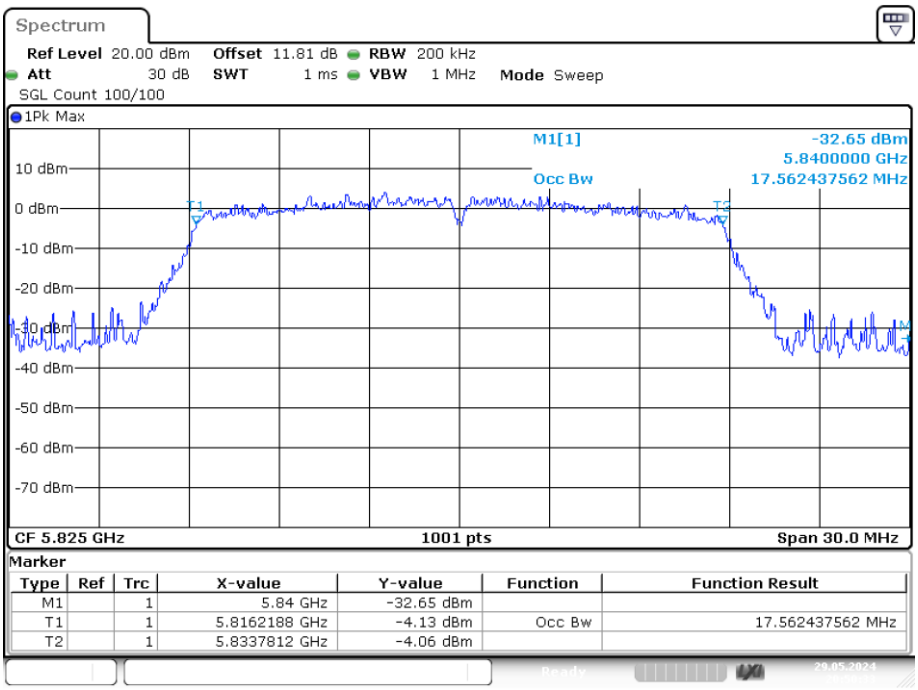
OBW NVNT n20 5825MHz Ant2



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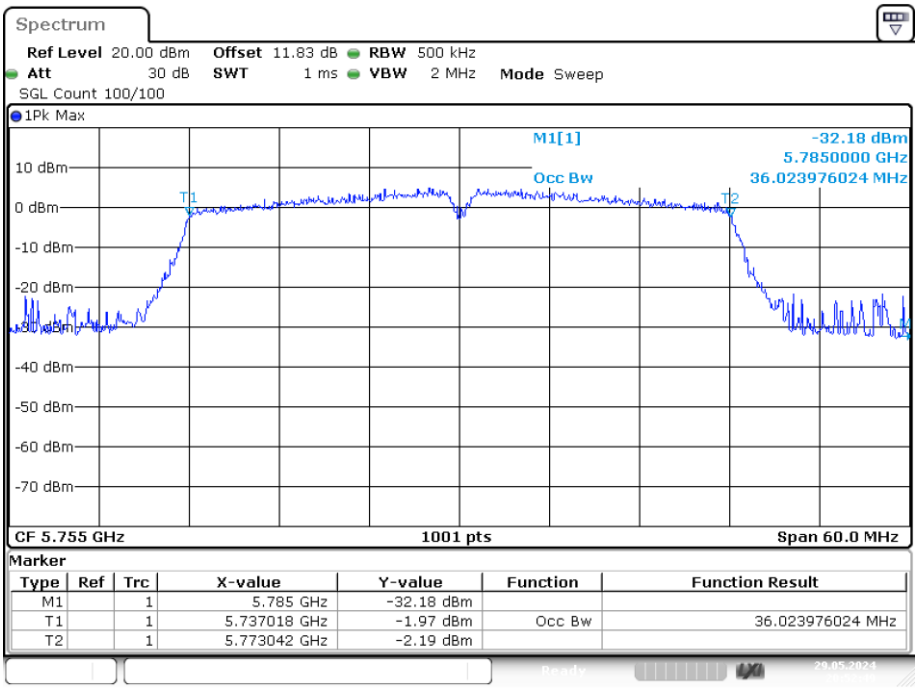
OBW NVNT n40 5755MHz Ant2



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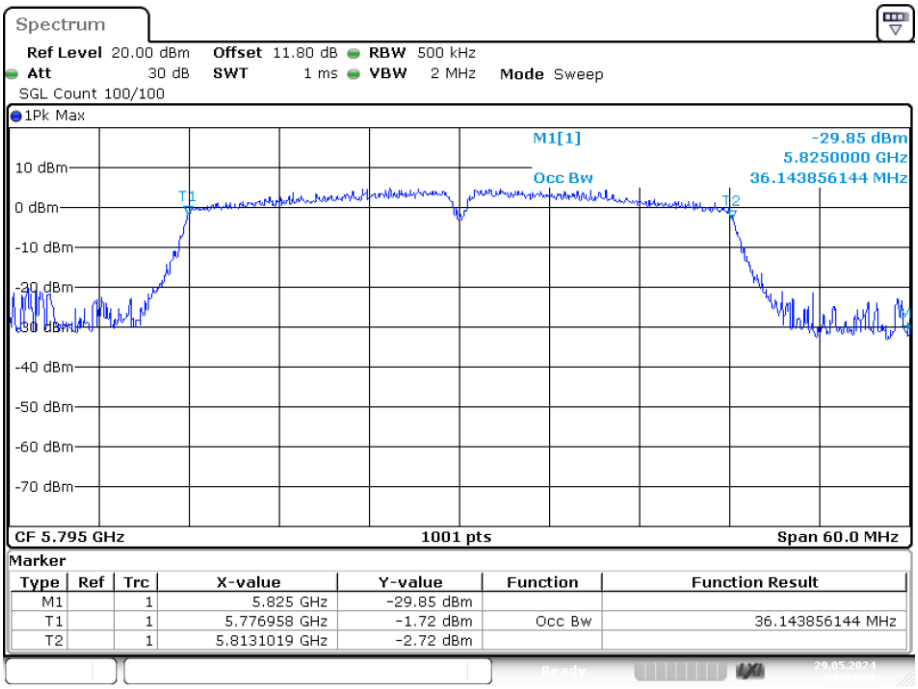
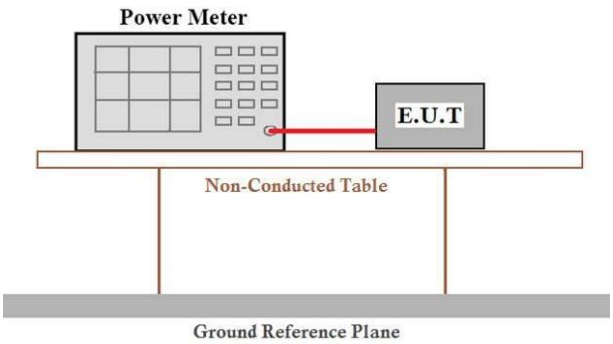
OBW NVNT n40 5795MHz Ant2



Date: 29.MAY.2024 20:53:31

4.4 Peak Transmit Power

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 E Section 15.407</td></tr>
<tr><td>Test Method:</td><td>KDB 789033 D02 General UNII Test Procedures New Rules v02r01</td></tr>
<tr><td>Limit:</td><td>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.
For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W.
IC:
<table>
<tr><th>Section</th><th>Test Item</th><th>Limit</th><th>Frequency Range (MHz)</th><th>Result</th></tr>
<tr><td>6.2.1.1</td><td rowspan="3">Peak Output Power</td><td>200 mW or 10 + 10 log₁₀B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz</td><td>5150-5250</td><td rowspan="3">PASS</td></tr>
<tr><td>6.2.2.1
6.2.3.1</td><td>The lesser of 250 mW or 11 dBm + 10 log (26 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>
</table></td></tr>
<tr><td>Test setup:</td><td> 
</td></tr>
<tr><td>Test procedure:</td><td>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., 10log(1/0.25) if the duty cycle is 25 percent).</td></tr>
<tr><td>Test Instruments:</td><td>Refer to section 3 for details</td></tr>
<tr><td>Test mode:</td><td>Refer to section 2.2 for details</td></tr>
<tr><td>Test results:</td><td>Pass</td></tr>
</table>

Measurement Data

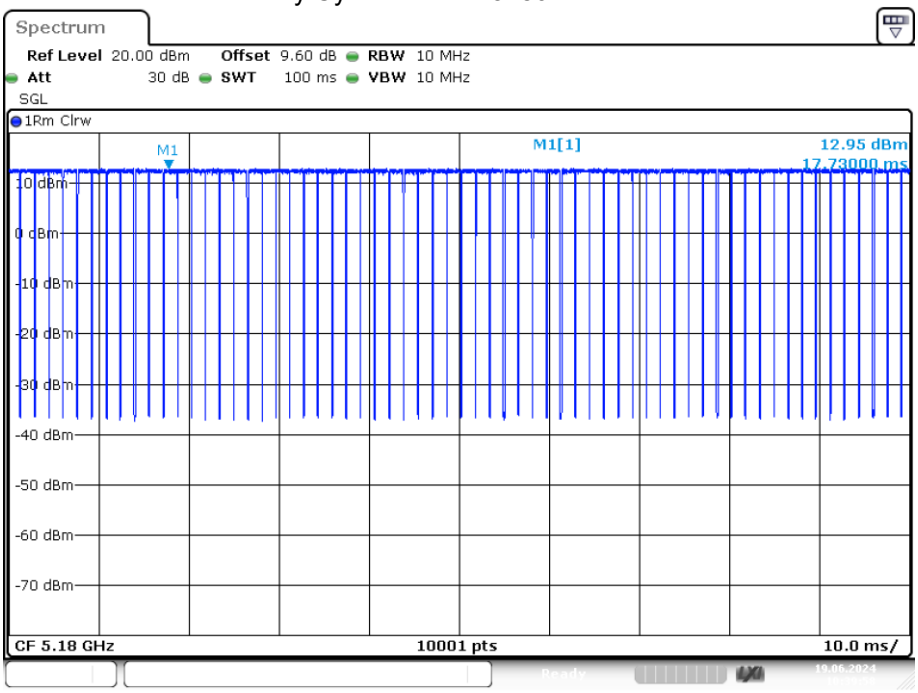
Band 1 (5150-5250 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Antenna Gain(dBi)	Correction Factor (dB)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.83	0.3	8.808	14.938	24	Pass
NVNT	a	5200	Ant1	5.83	0.3	9.222	15.352	24	Pass
NVNT	a	5240	Ant1	5.83	0.3	8.937	15.067	24	Pass
NVNT	ac20	5180	Ant1	5.83	0.97	8.338	15.138	24	Pass
NVNT	ac20	5200	Ant1	5.83	0.99	7.832	14.652	24	Pass
NVNT	ac20	5240	Ant1	5.83	1.01	8.108	14.948	24	Pass
NVNT	ac40	5190	Ant1	5.83	0.95	8.762	15.542	24	Pass
NVNT	ac40	5230	Ant1	5.83	1.02	9.158	16.008	24	Pass
NVNT	ac80	5210	Ant1	5.83	1	7.68	14.51	24	Pass
NVNT	n20	5180	Ant1	5.83	1.01	8.103	14.943	24	Pass
NVNT	n20	5200	Ant1	5.83	0.96	8.387	15.177	24	Pass
NVNT	n20	5240	Ant1	5.83	1.01	7.712	14.552	24	Pass
NVNT	n40	5190	Ant1	5.83	1.02	9.116	15.966	24	Pass
NVNT	n40	5230	Ant1	5.83	1	8.996	15.826	24	Pass

Duty Cycle

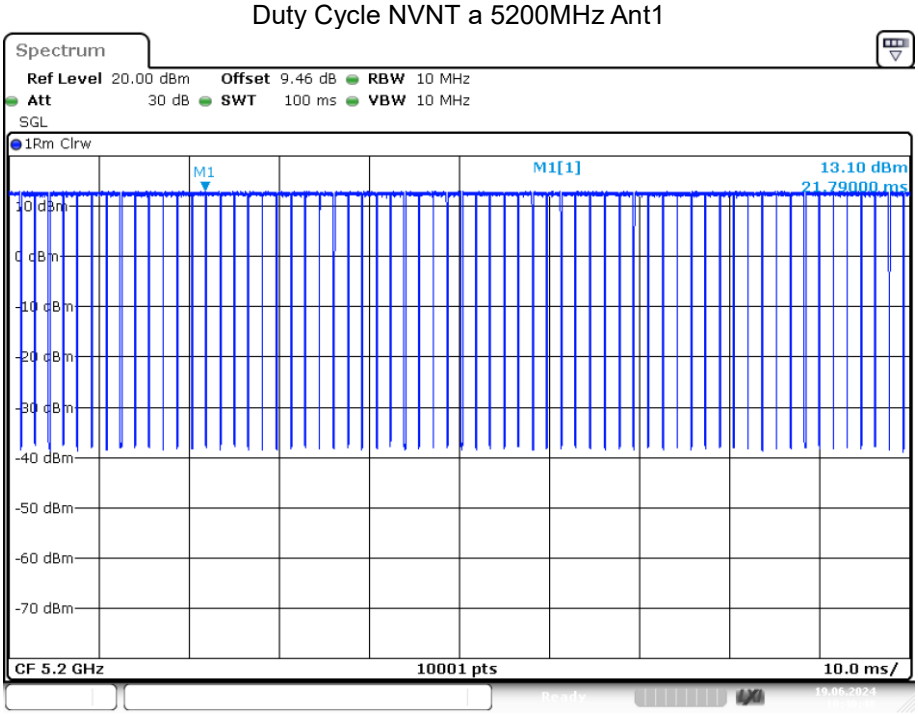
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	93.4	0.3
NVNT	a	5200	Ant1	93.25	0.3
NVNT	a	5240	Ant1	93.43	0.3
NVNT	ac20	5180	Ant1	80.02	0.97
NVNT	ac20	5200	Ant1	79.69	0.99
NVNT	ac20	5240	Ant1	79.27	1.01
NVNT	ac40	5190	Ant1	80.4	0.95
NVNT	ac40	5230	Ant1	79.1	1.02
NVNT	ac80	5210	Ant1	79.35	1
NVNT	n20	5180	Ant1	79.29	1.01
NVNT	n20	5200	Ant1	80.11	0.96
NVNT	n20	5240	Ant1	79.31	1.01
NVNT	n40	5190	Ant1	79.13	1.02
NVNT	n40	5230	Ant1	79.48	1

Duty Cycle NVNT a 5180MHz Ant1



Date: 19.JUN.2024 10:39:57

Duty Cycle NVNT a 5200MHz Ant1



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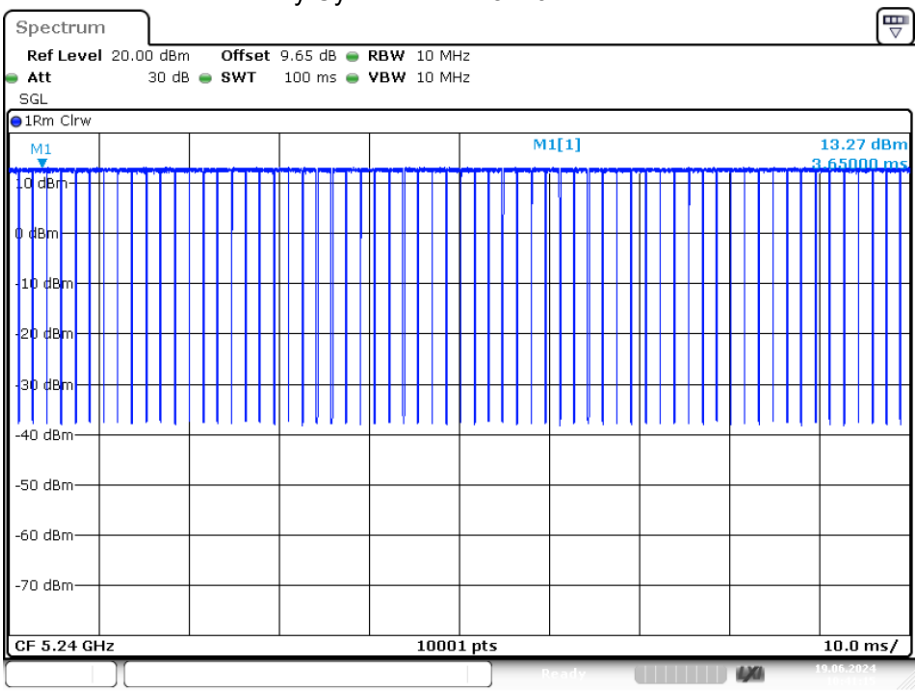
Duty Cycle NVNT a 5240MHz Ant1



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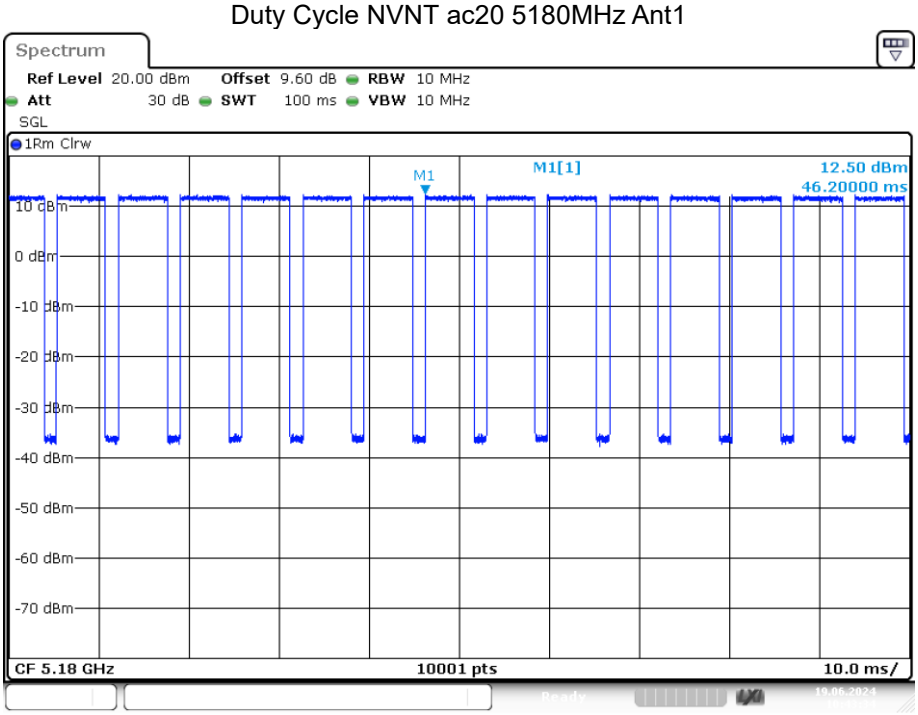
Duty Cycle NVNT ac20 5180MHz Ant1



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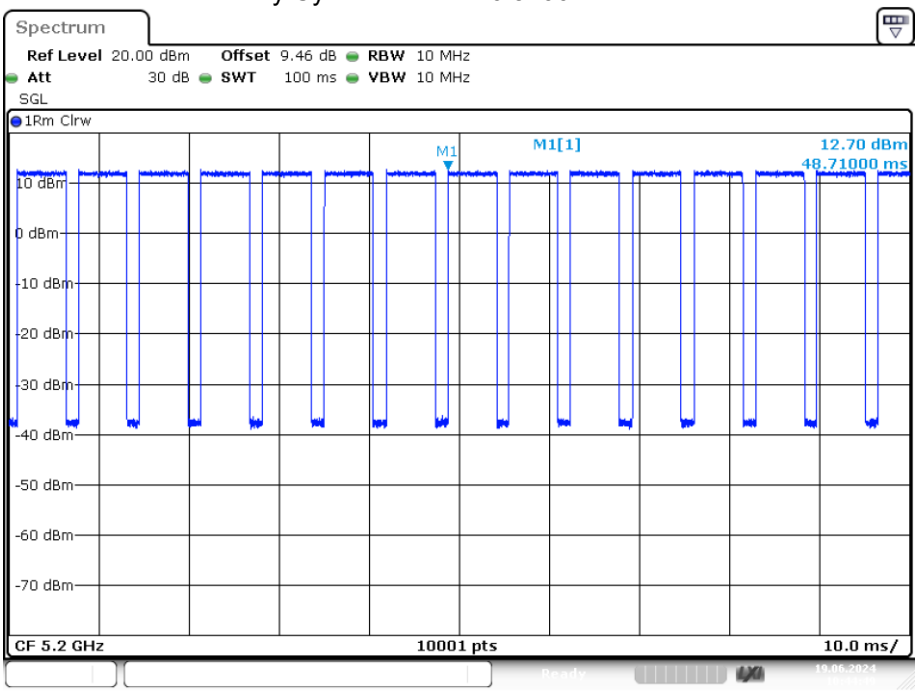
Duty Cycle NVNT ac20 5200MHz Ant1



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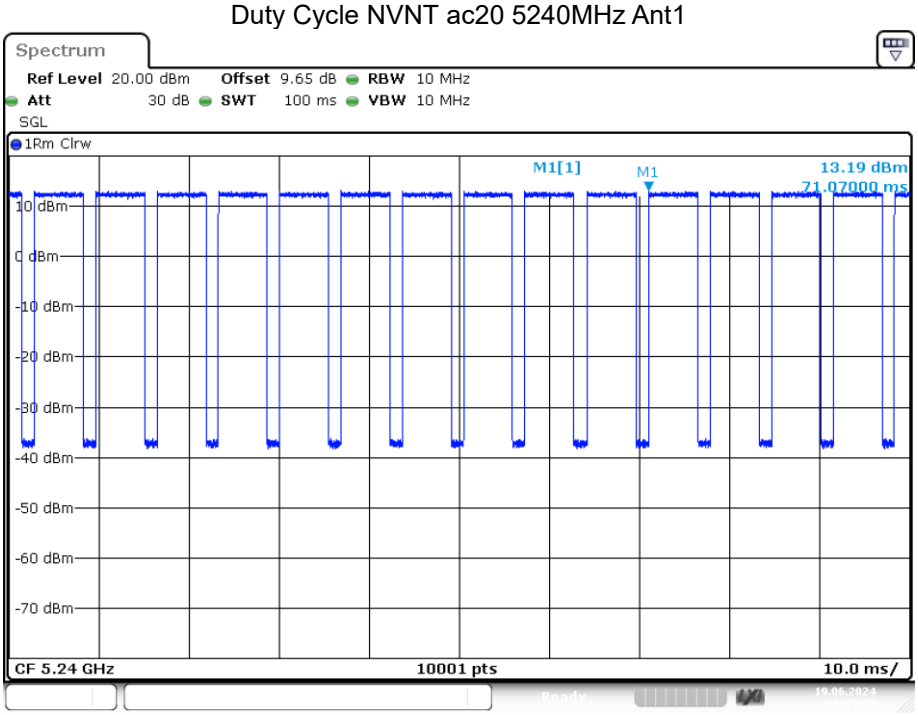
Duty Cycle NVNT ac20 5240MHz Ant1



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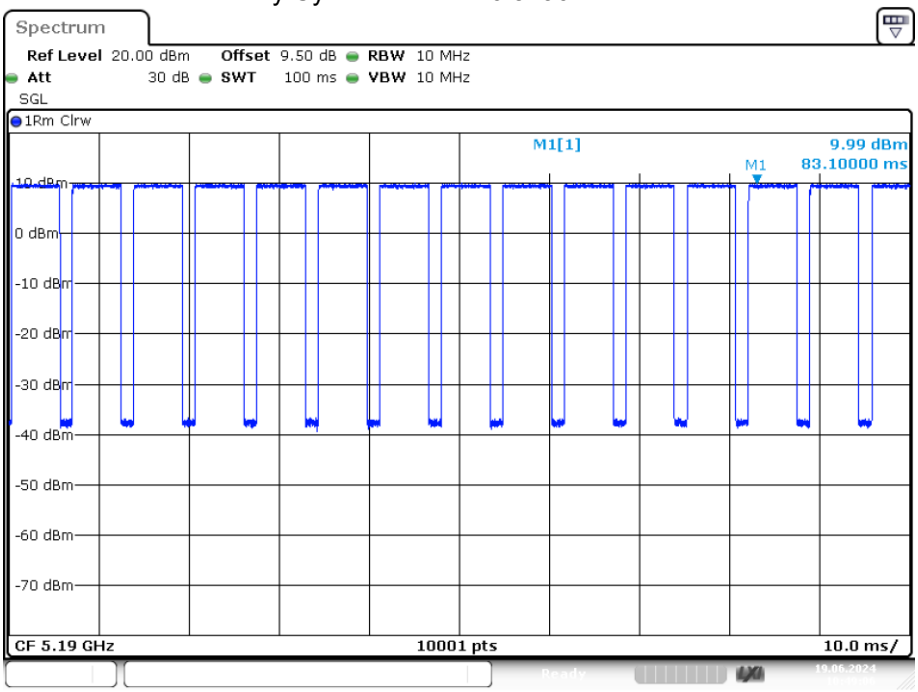
Duty Cycle NVNT ac40 5190MHz Ant1



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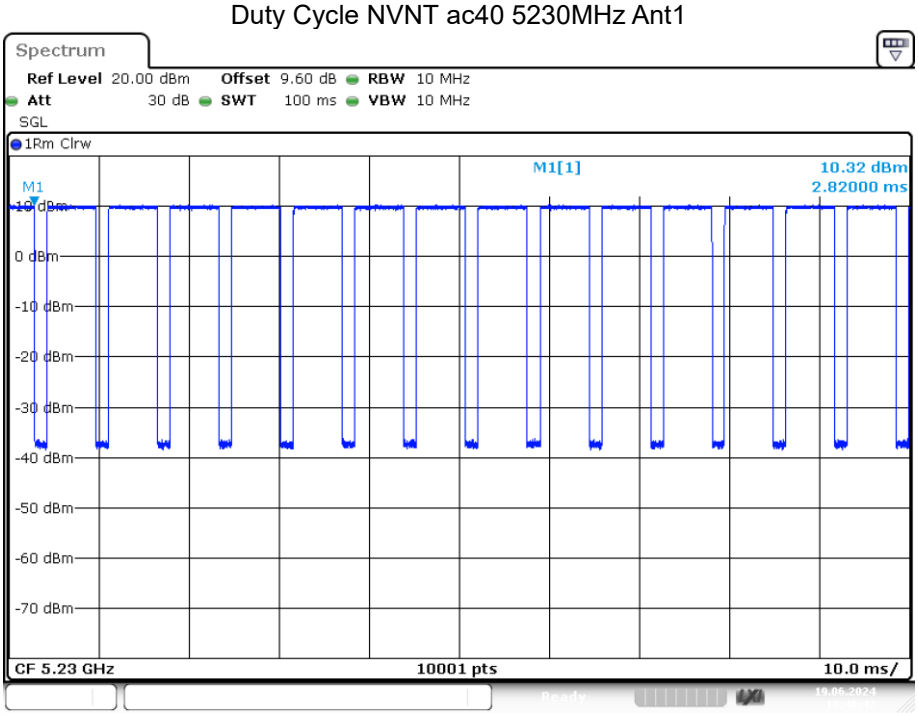
Duty Cycle NVNT ac40 5230MHz Ant1



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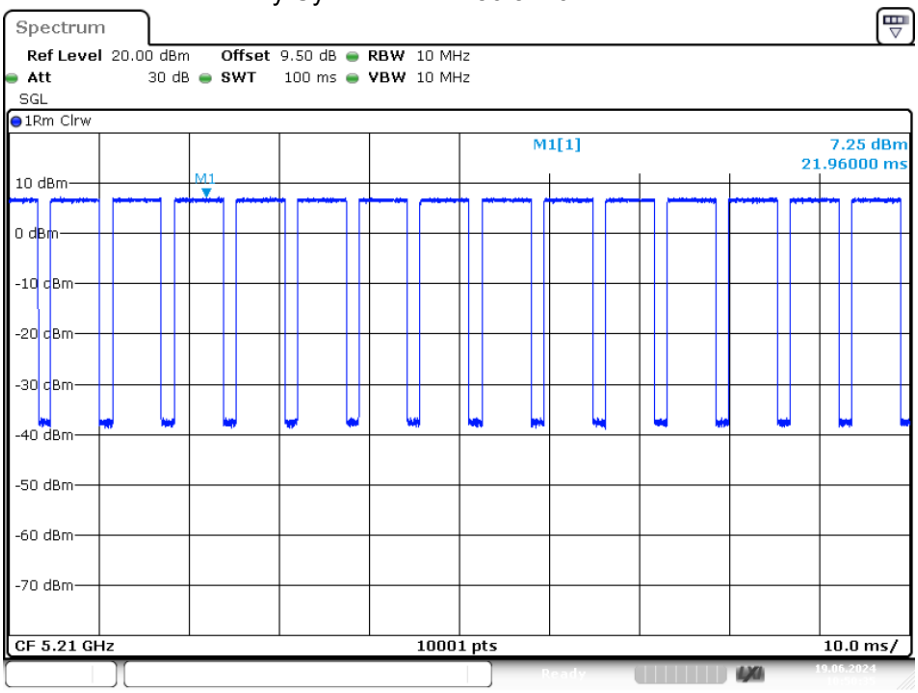
Duty Cycle NVNT ac80 5210MHz Ant1



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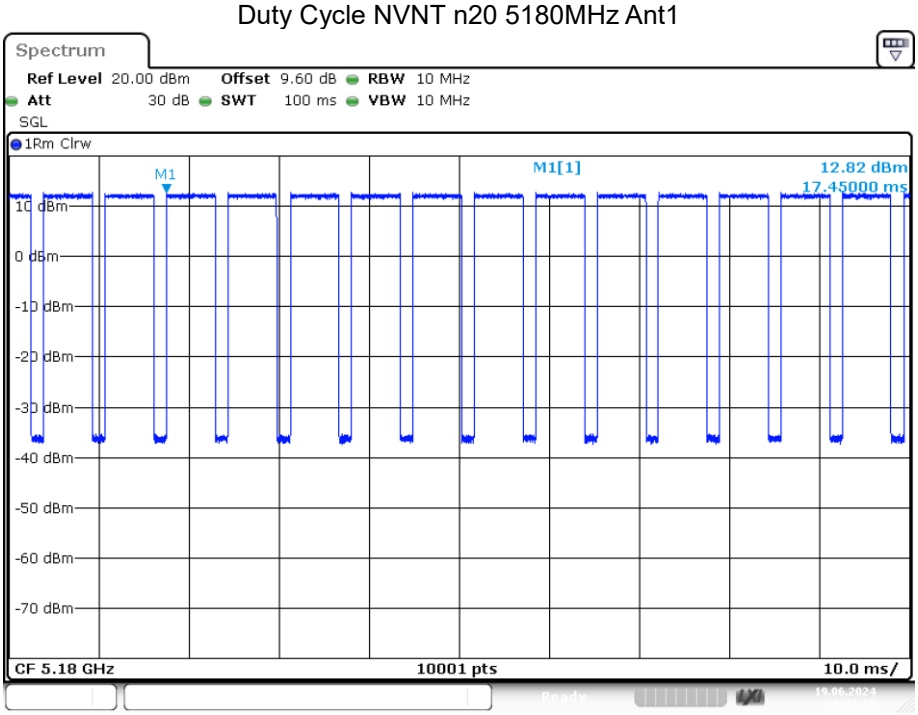
Duty Cycle NVNT n20 5180MHz Ant1



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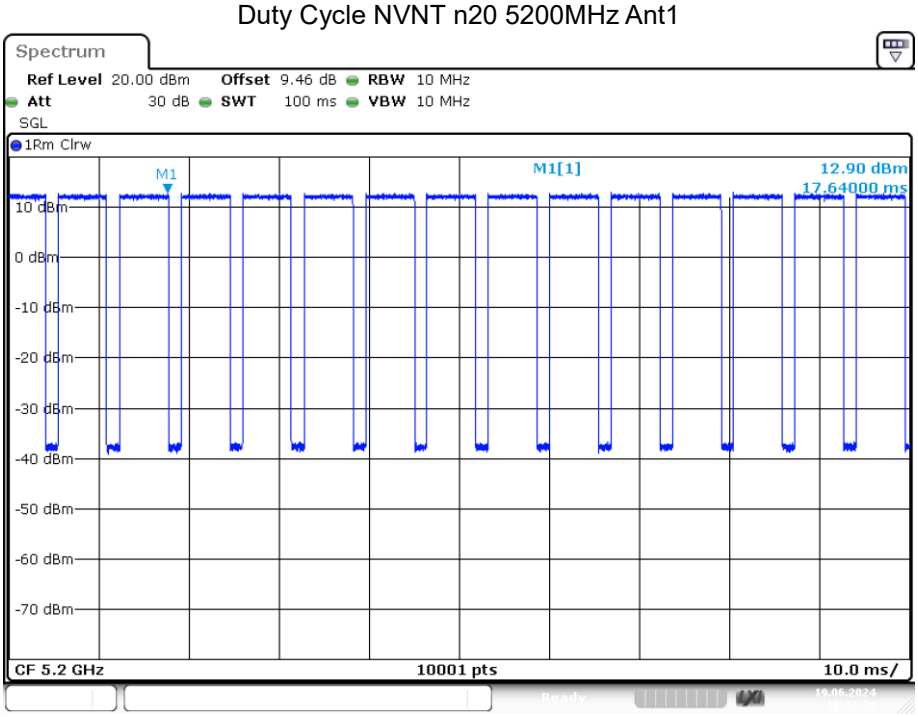
Duty Cycle NVNT n20 5200MHz Ant1



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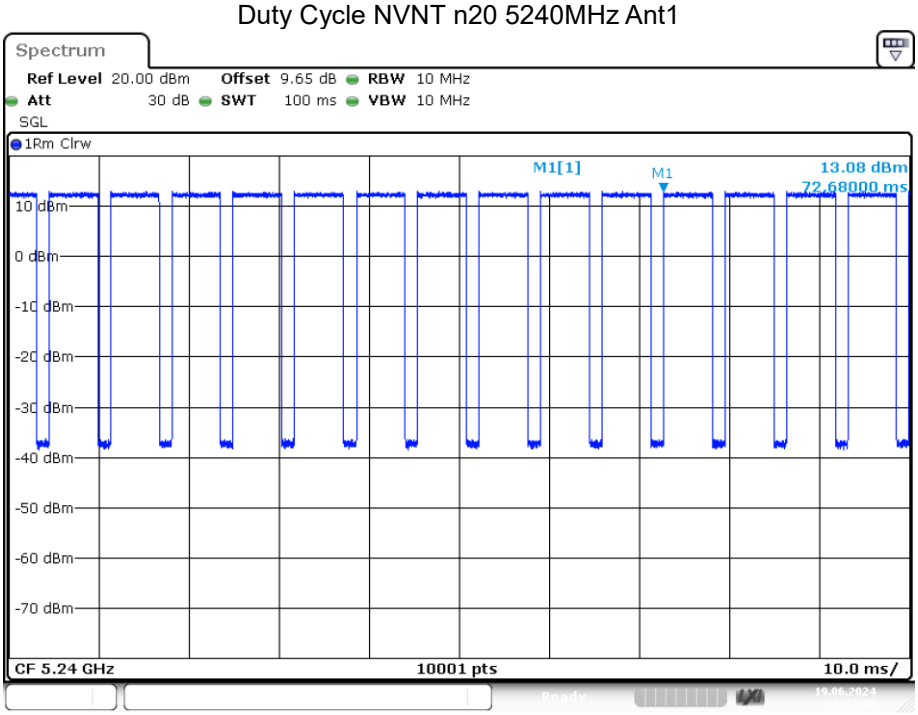
Duty Cycle NVNT n20 5240MHz Ant1



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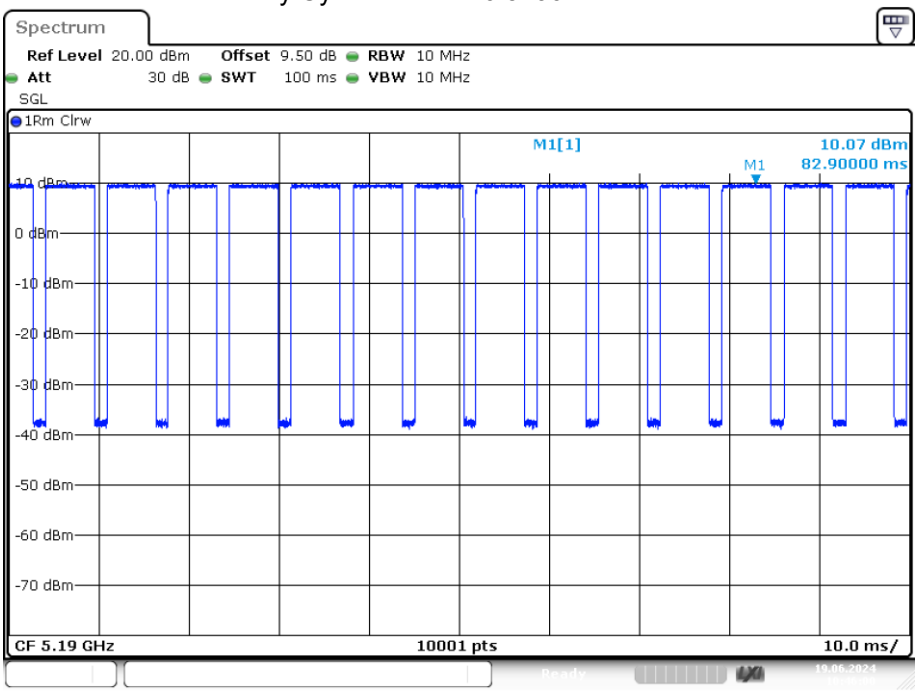
Duty Cycle NVNT n40 5190MHz Ant1



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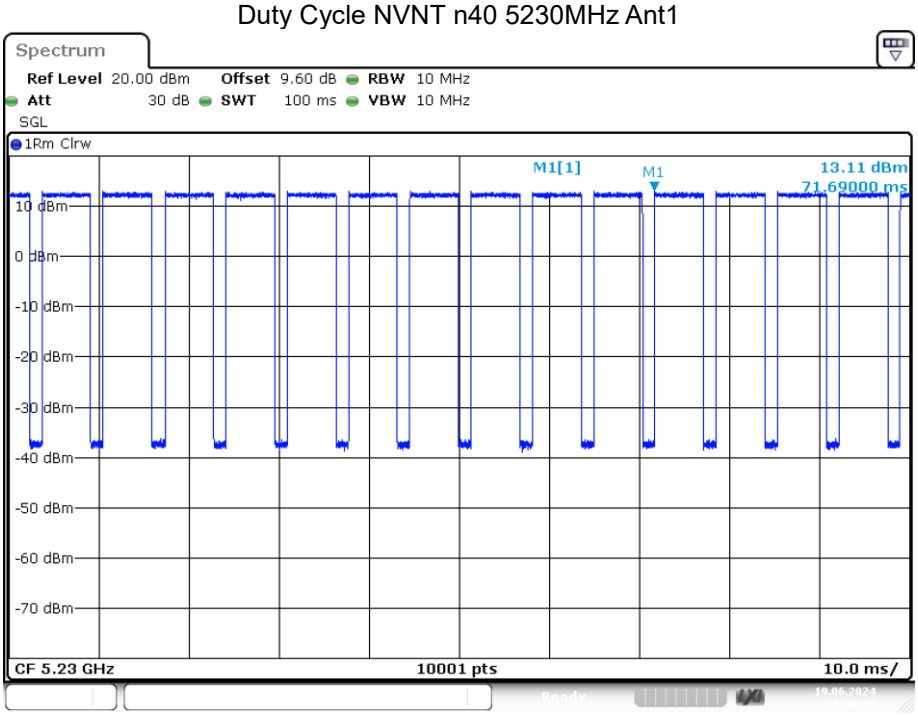
Duty Cycle NVNT n40 5230MHz Ant1



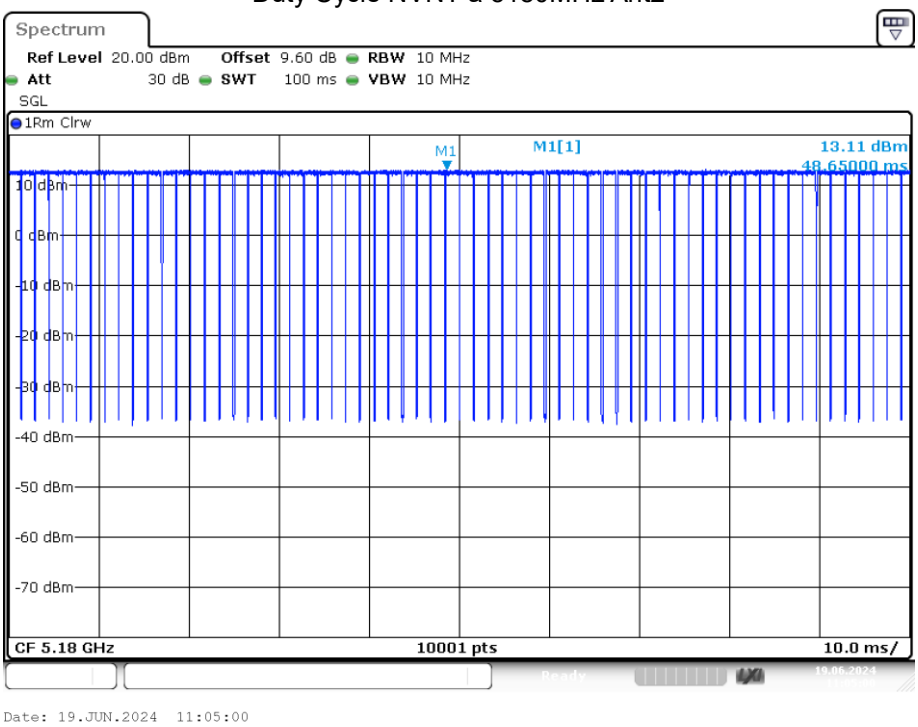
Date: 19.JUN.2024 10:48:13

Condition	Mode	Frequency (MHz)	Antenna	Antenna Gain(dBi)	Correction Factor (dB)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	5.83	0.29	7.169	13.289	24	Pass
NVNT	a	5200	Ant2	5.83	0.29	7.191	13.311	24	Pass
NVNT	a	5240	Ant2	5.83	0.29	6.813	12.933	24	Pass
NVNT	ac20	5180	Ant2	5.83	1.01	6.821	13.661	24	Pass
NVNT	ac20	5200	Ant2	5.83	0.94	6.571	13.341	24	Pass
NVNT	ac20	5240	Ant2	5.83	0.93	6.641	13.401	24	Pass
NVNT	ac40	5190	Ant2	5.83	1.01	6.454	13.294	24	Pass
NVNT	ac40	5230	Ant2	5.83	1.02	6.844	13.694	24	Pass
NVNT	ac80	5210	Ant2	5.83	0.94	9.367	16.137	24	Pass
NVNT	n20	5180	Ant2	5.83	1.01	6.183	13.023	24	Pass
NVNT	n20	5200	Ant2	5.83	1.01	6.178	13.018	24	Pass
NVNT	n20	5240	Ant2	5.83	0.95	6.544	13.324	24	Pass
NVNT	n40	5190	Ant2	5.83	1.03	6.52	13.38	24	Pass
NVNT	n40	5230	Ant2	5.83	1.01	6.426	13.266	24	Pass

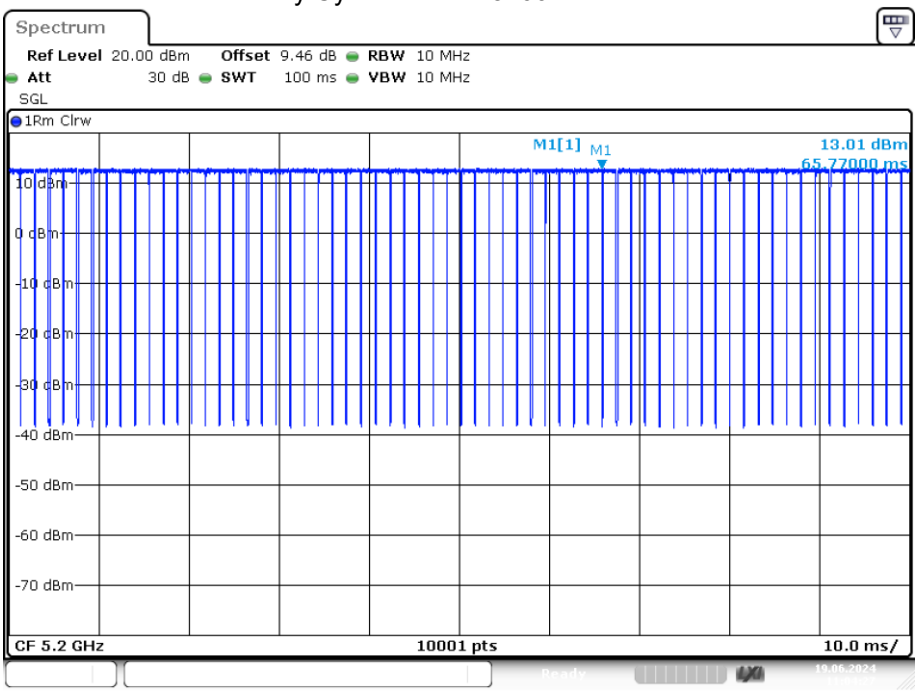
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant2	93.55	0.29
NVNT	a	5200	Ant2	93.46	0.29
NVNT	a	5240	Ant2	93.58	0.29
NVNT	ac20	5180	Ant2	79.17	1.01
NVNT	ac20	5200	Ant2	80.49	0.94
NVNT	ac20	5240	Ant2	80.73	0.93
NVNT	ac40	5190	Ant2	79.19	1.01
NVNT	ac40	5230	Ant2	79.03	1.02
NVNT	ac80	5210	Ant2	80.48	0.94
NVNT	n20	5180	Ant2	79.27	1.01
NVNT	n20	5200	Ant2	79.26	1.01
NVNT	n20	5240	Ant2	80.43	0.95
NVNT	n40	5190	Ant2	78.91	1.03
NVNT	n40	5230	Ant2	79.16	1.01

Duty Cycle NVNT a 5180MHz Ant2



Duty Cycle NVNT a 5200MHz Ant2



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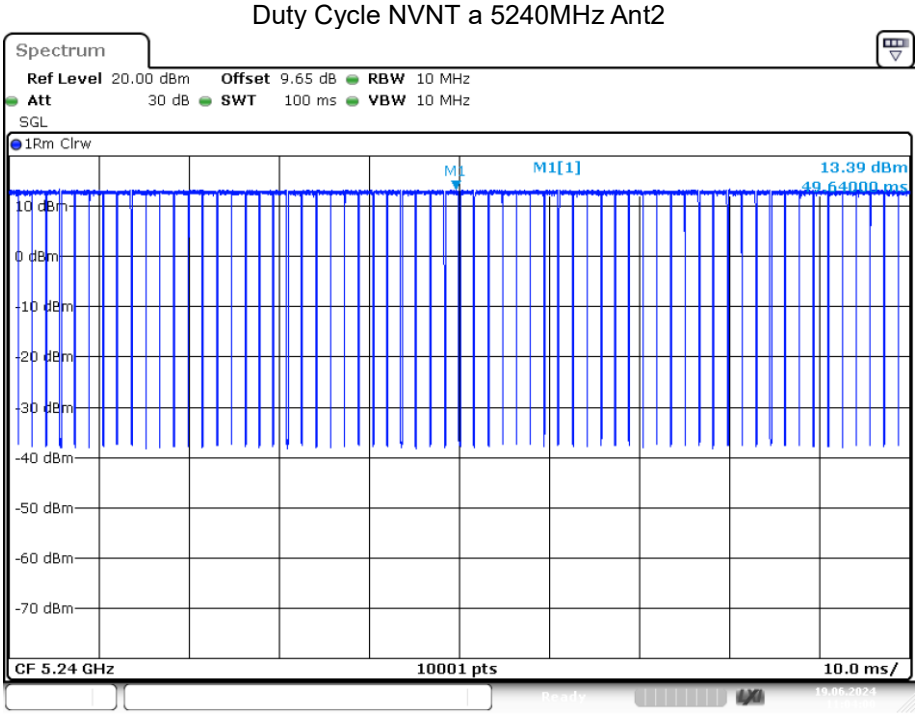
Duty Cycle NVNT a 5240MHz Ant2



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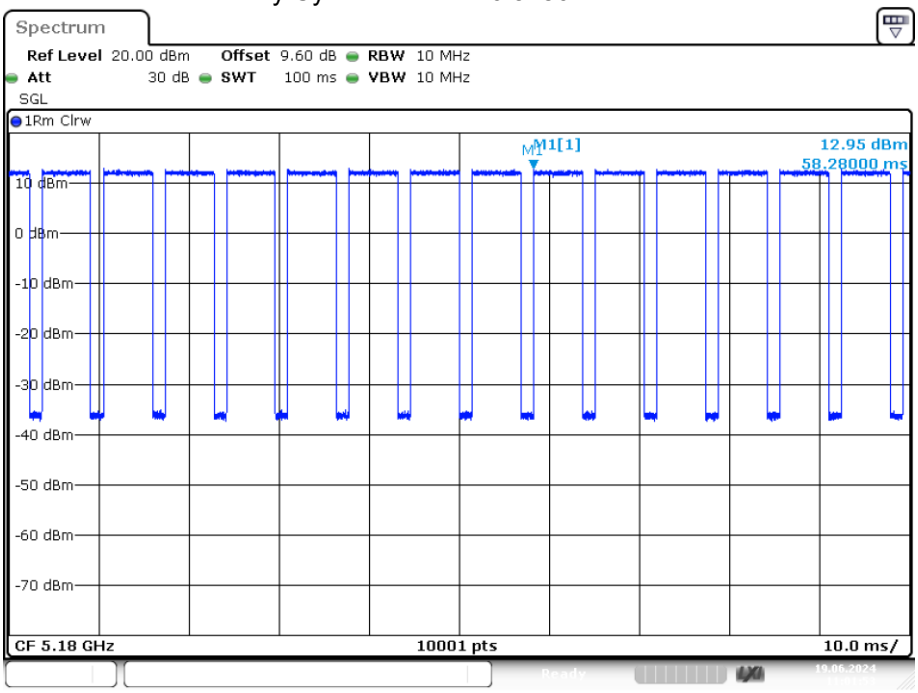
Duty Cycle NVNT ac20 5180MHz Ant2



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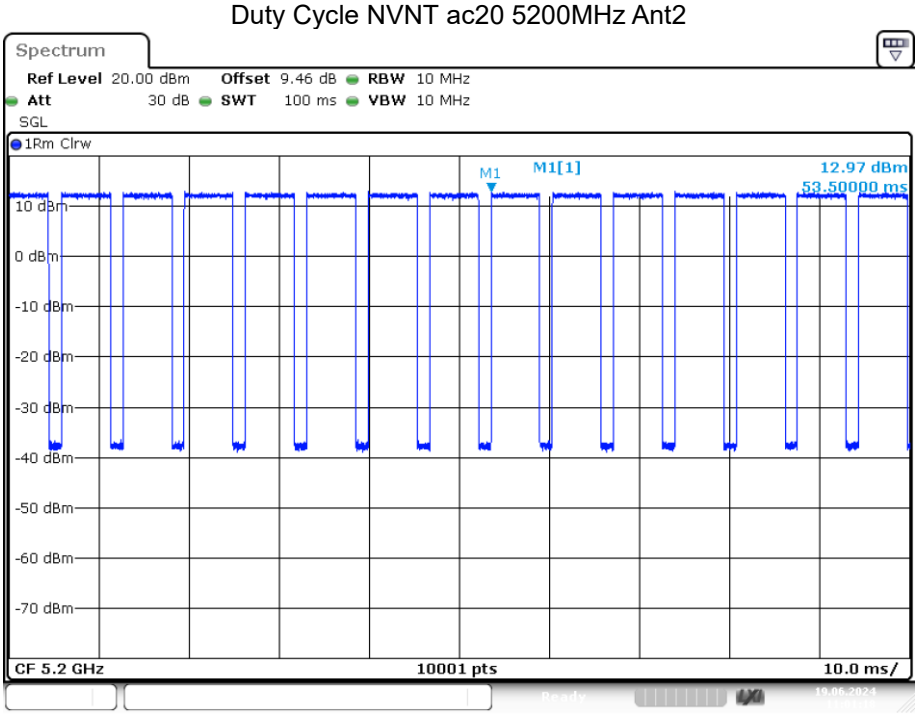
Duty Cycle NVNT ac20 5200MHz Ant2



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