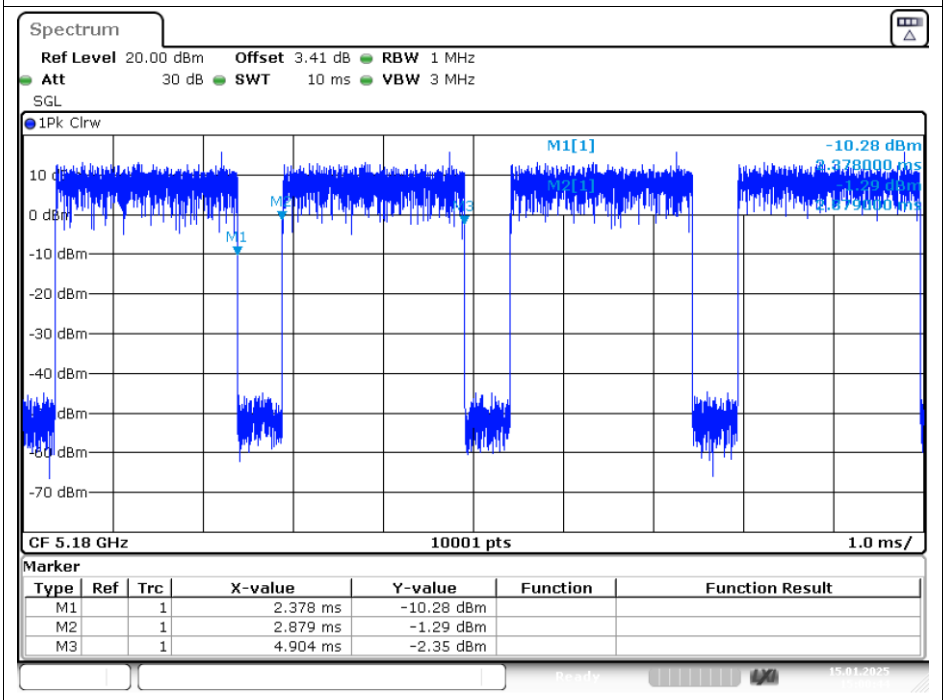
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
NVNT	a	5180	Ant1	2.03	2.53	80.24	0.96	0.49	1
NVNT	a	5200	Ant1	2.03	2.53	80.24	0.96	0.49	1
NVNT	a	5240	Ant1	2.03	2.53	80.24	0.96	0.49	1
NVNT	a	5745	Ant1	2.03	2.53	80.24	0.96	0.49	1
NVNT	a	5785	Ant1	2.02	2.53	79.84	0.98	0.49	1
NVNT	a	5825	Ant1	2.03	2.53	80.24	0.96	0.49	1
NVNT	n20	5180	Ant1	1.89	2.39	79.08	1.02	0.53	1
NVNT	n20	5200	Ant1	1.89	2.39	79.08	1.02	0.53	1
NVNT	n20	5240	Ant1	1.89	2.39	79.08	1.02	0.53	1
NVNT	n20	5745	Ant1	1.89	2.39	79.08	1.02	0.53	1
NVNT	n20	5785	Ant1	1.89	2.39	79.08	1.02	0.53	1
NVNT	n20	5825	Ant1	1.89	2.39	79.08	1.02	0.53	1

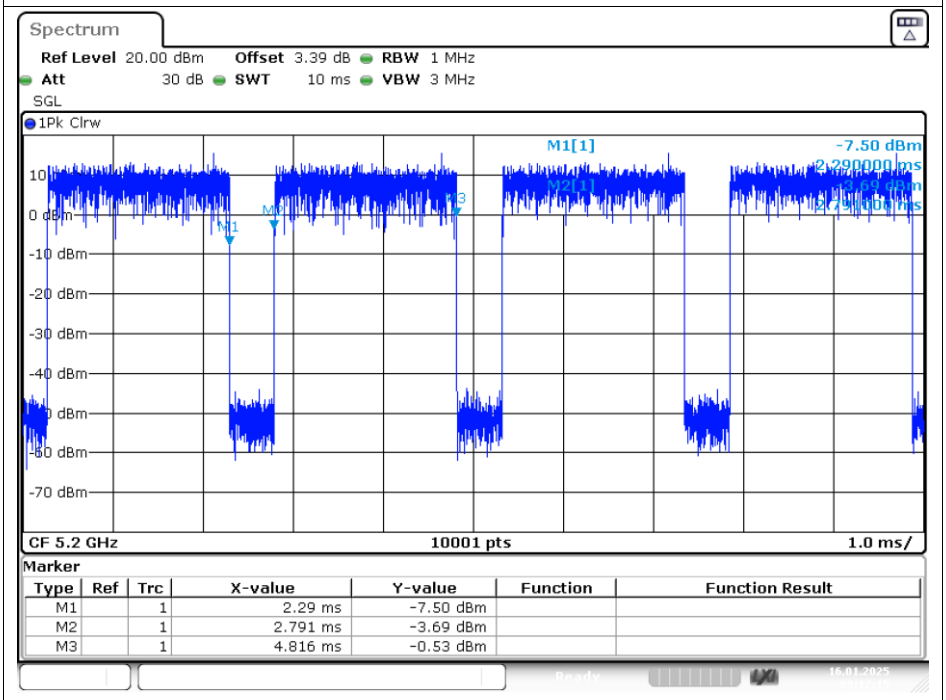
Test Graphs

Duty Cycle NVNT a 5180MHz Ant1



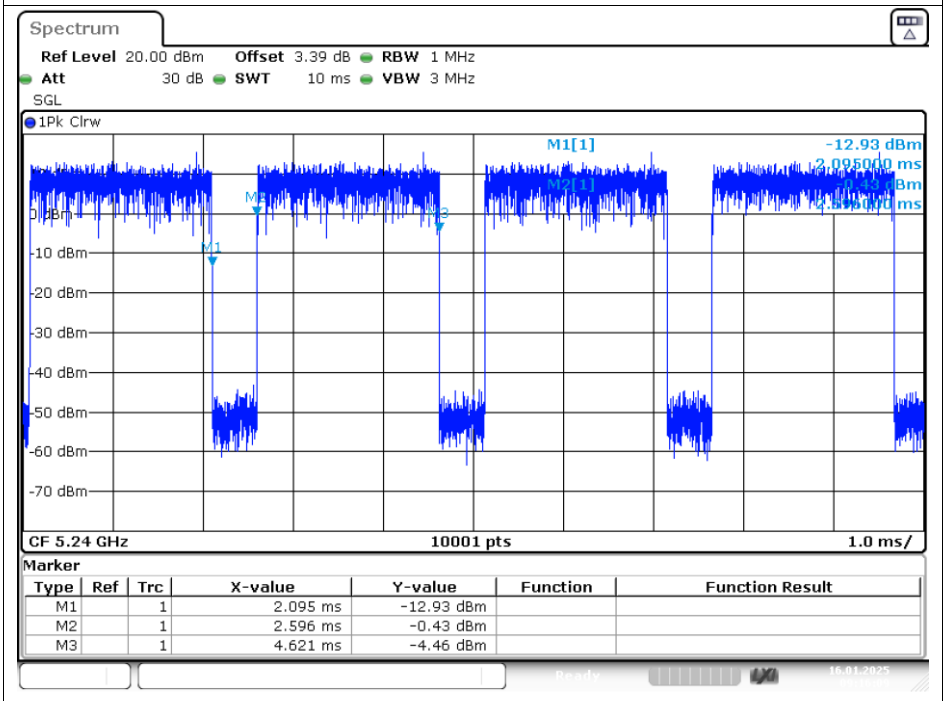
Date: 15.JAN.2025 15:00:44

Duty Cycle NVNT a 5200MHz Ant1



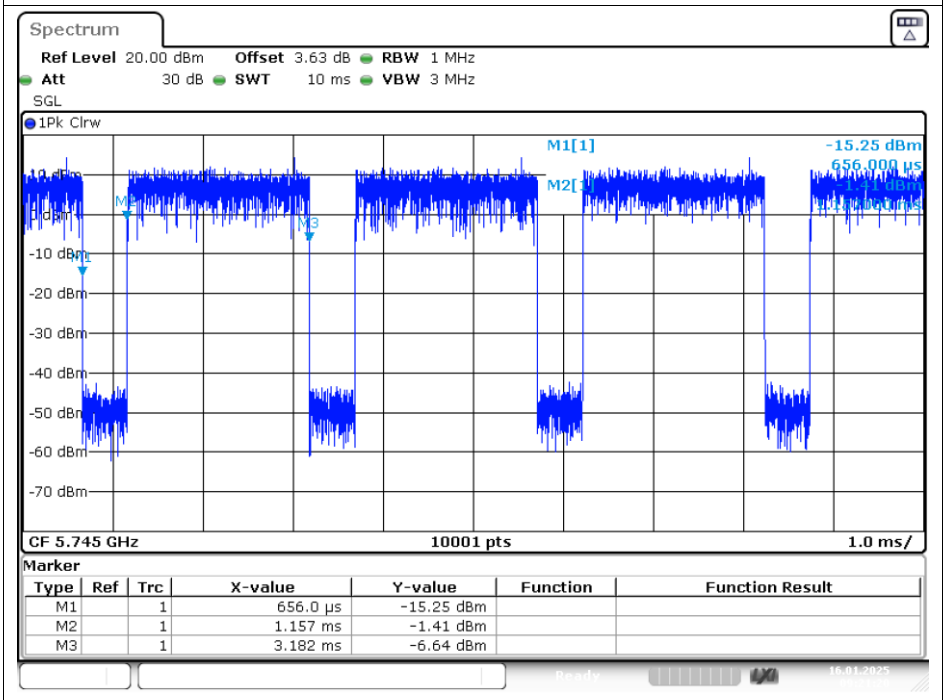
Date: 16.JAN.2025 09:12:14

Duty Cycle NVNT a 5240MHz Ant1



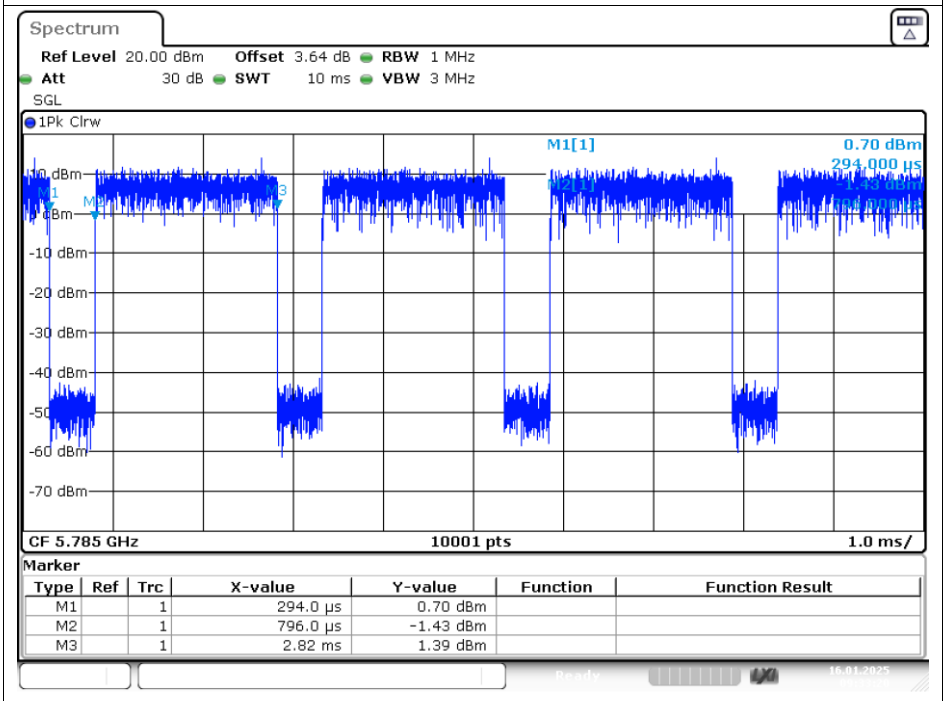
Date: 16.JAN.2025 09:16:09

Duty Cycle NVNT a 5745MHz Ant1



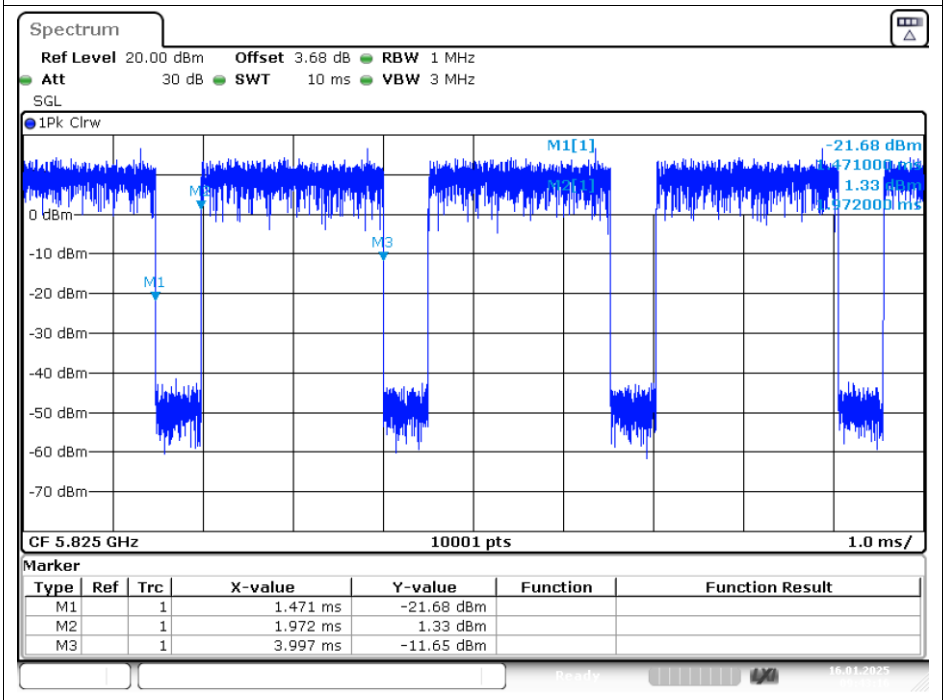
Date: 16.JAN.2025 09:21:21

Duty Cycle NVNT a 5785MHz Ant1



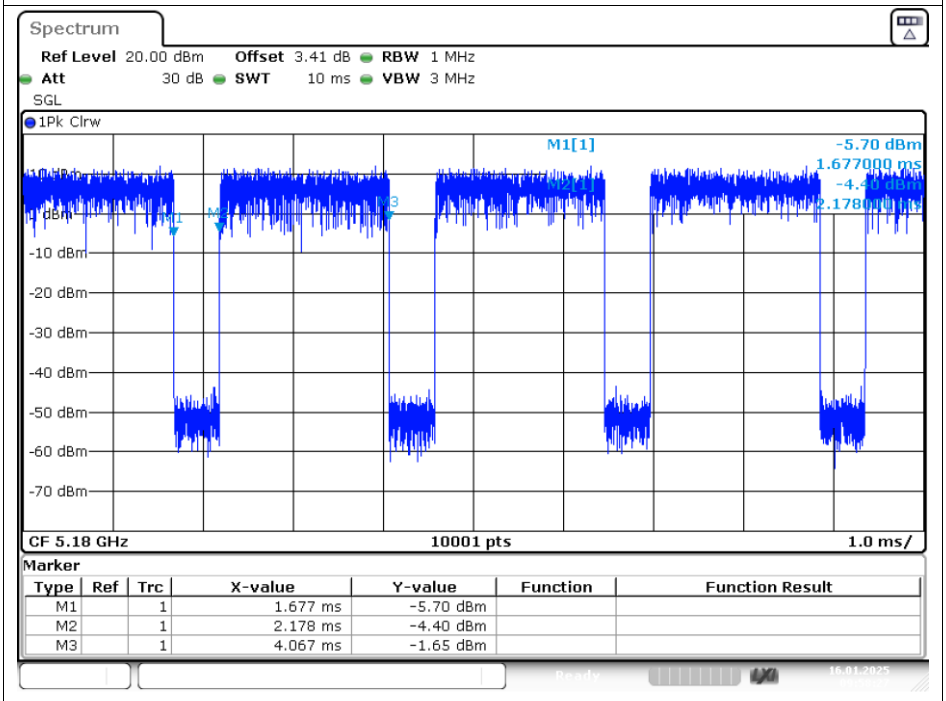
Date: 16.JAN.2025 09:33:20

Duty Cycle NVNT a 5825MHz Ant1



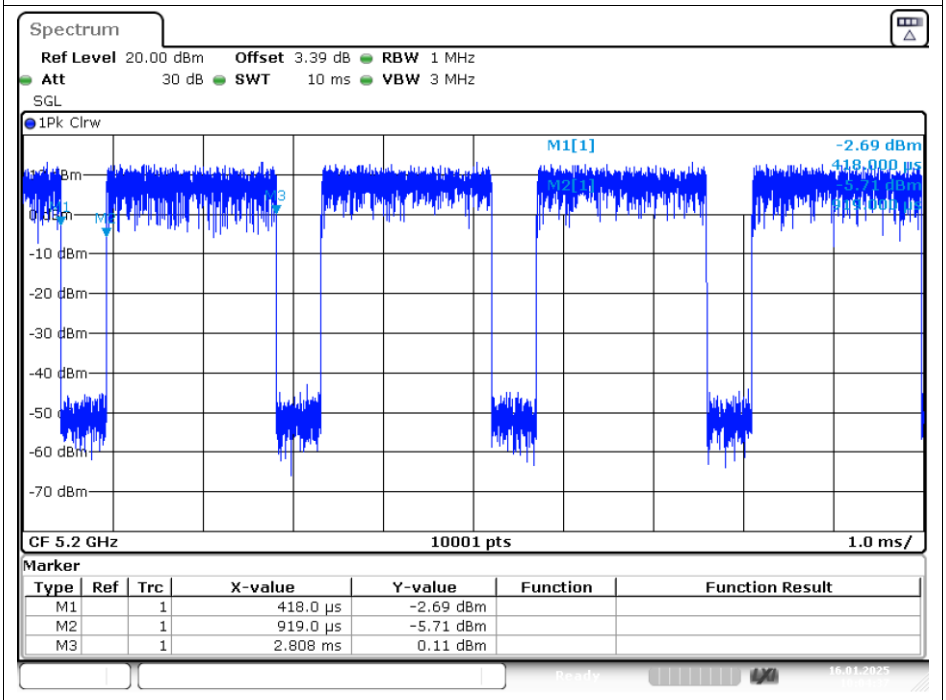
Date: 16.JAN.2025 09:43:16

Duty Cycle NVNT n20 5180MHz Ant1



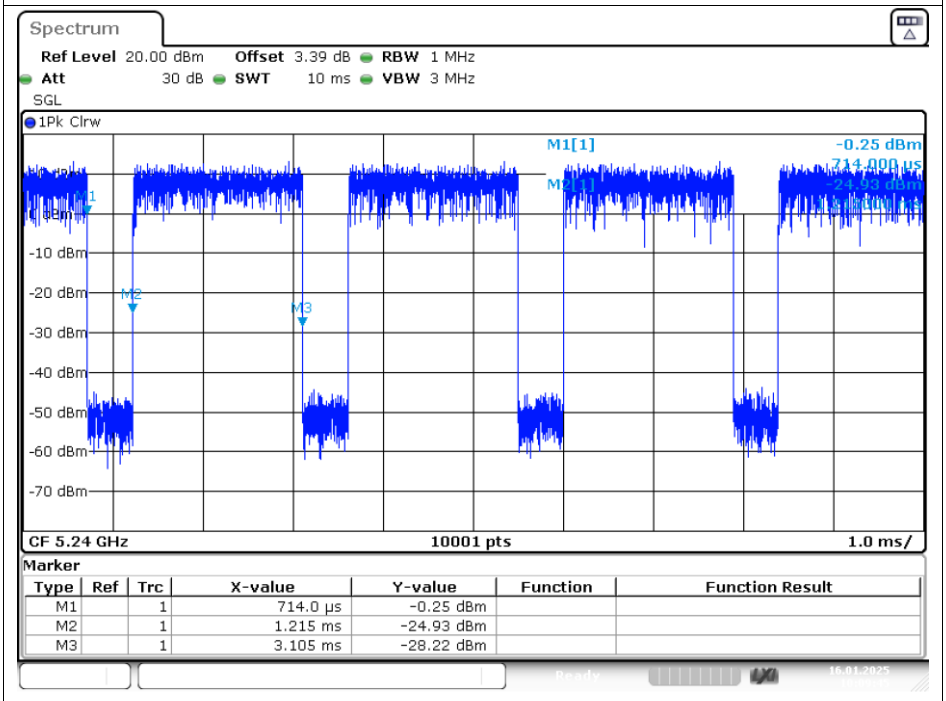
Date: 16.JAN.2025 09:58:27

Duty Cycle NVNT n20 5200MHz Ant1



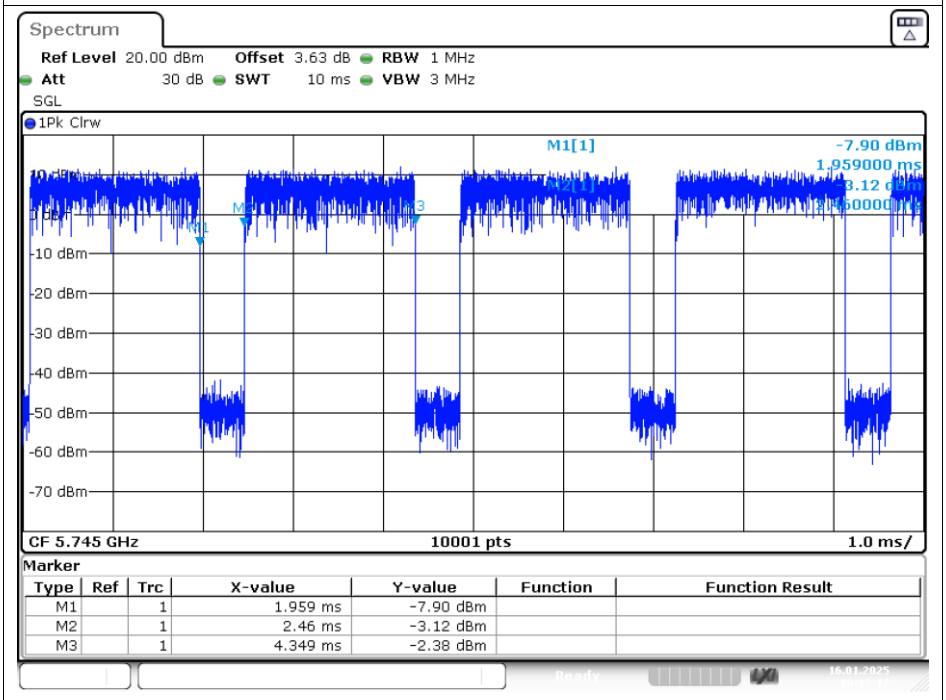
Date: 16.JAN.2025 10:04:37

Duty Cycle NVNT n20 5240MHz Ant1



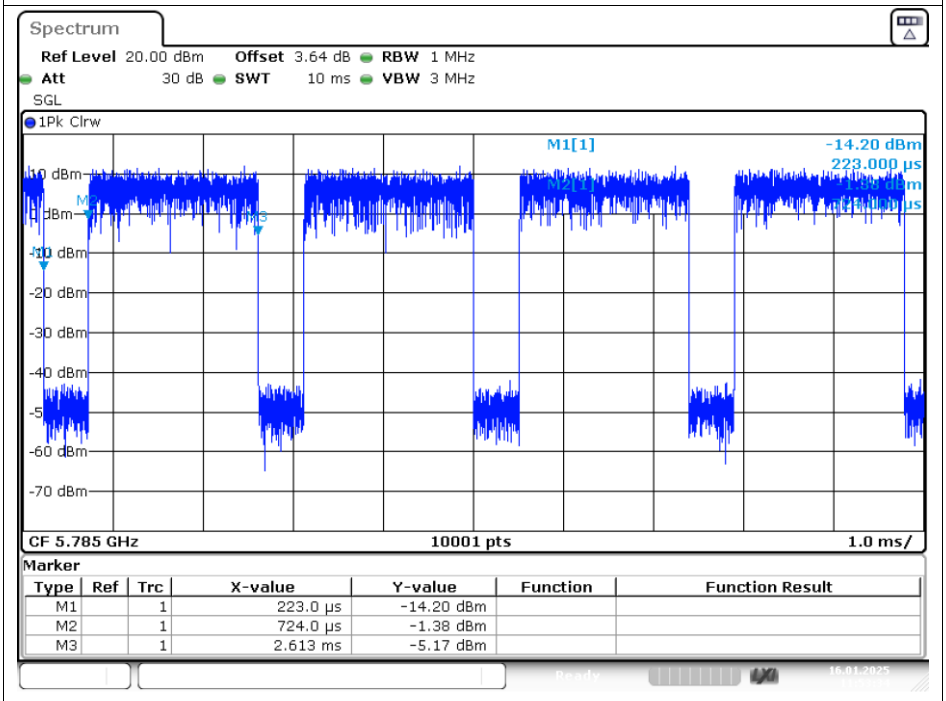
Date: 16.JAN.2025 10:09:45

Duty Cycle NVNT n20 5745MHz Ant1



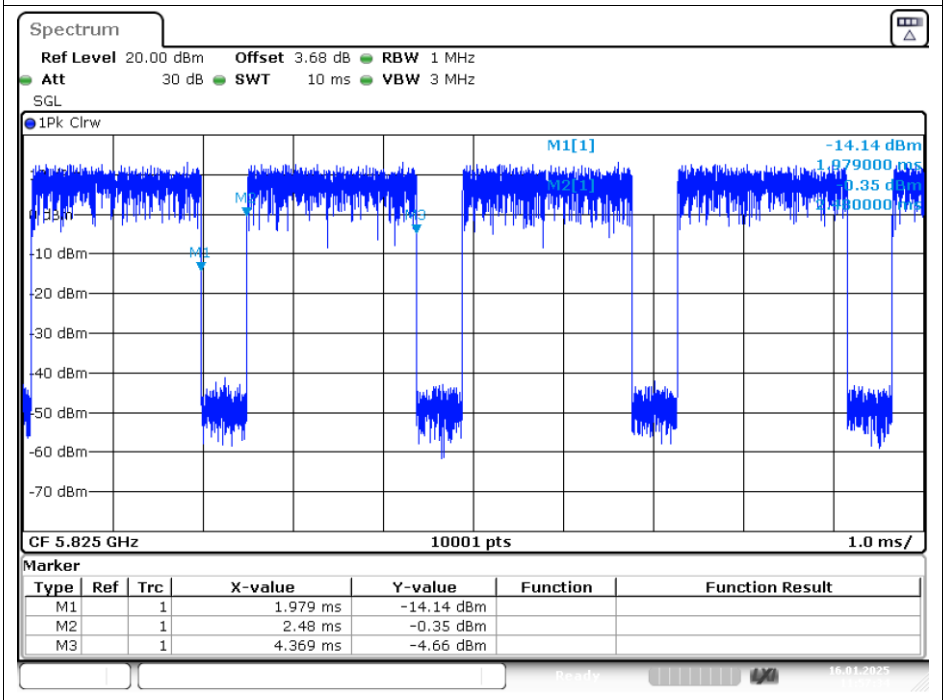
Date: 16.JAN.2025 10:13:12

Duty Cycle NVNT n20 5785MHz Ant1



Date: 16.JAN.2025 11:53:35

Duty Cycle NVNT n20 5825MHz Ant1



Date: 16.JAN.2025 11:57:34

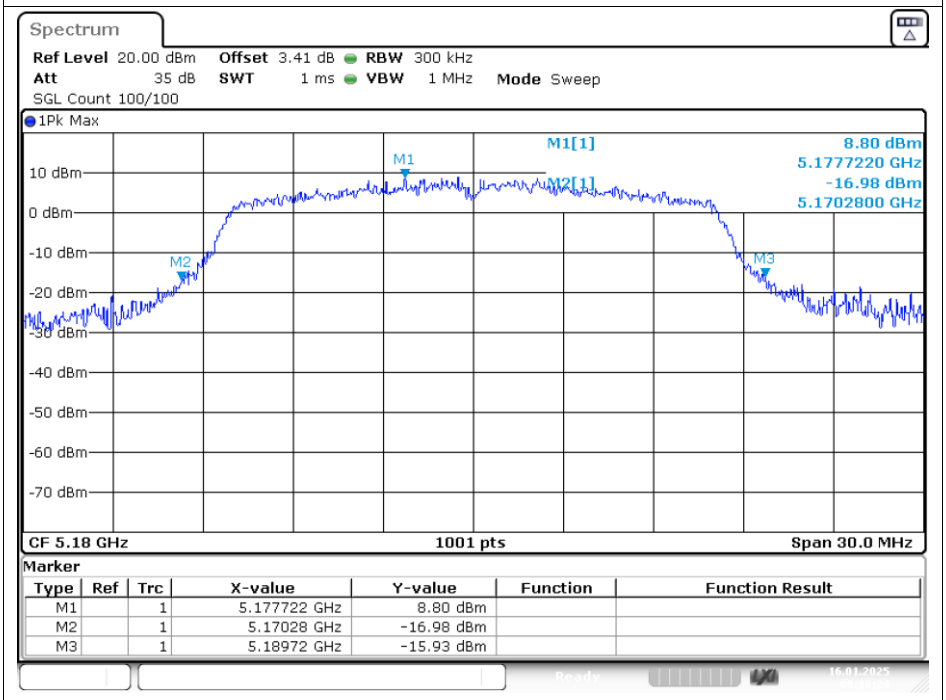
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	15.39	0.96	16.35	24	Pass
NVNT	a	5200	Ant1	15.1	0.96	16.06	24	Pass
NVNT	a	5240	Ant1	15.09	0.96	16.05	24	Pass
NVNT	a	5745	Ant1	15.54	0.96	16.5	30	Pass
NVNT	a	5785	Ant1	15.58	0.98	16.56	30	Pass
NVNT	a	5825	Ant1	15.27	0.96	16.23	30	Pass
NVNT	n20	5180	Ant1	14.81	1.02	15.83	24	Pass
NVNT	n20	5200	Ant1	14.78	1.02	15.8	24	Pass
NVNT	n20	5240	Ant1	14.83	1.02	15.85	24	Pass
NVNT	n20	5745	Ant1	14.19	1.02	15.21	30	Pass
NVNT	n20	5785	Ant1	14.01	1.02	15.03	30	Pass
NVNT	n20	5825	Ant1	13.93	1.02	14.95	30	Pass

-26dB Bandwidth

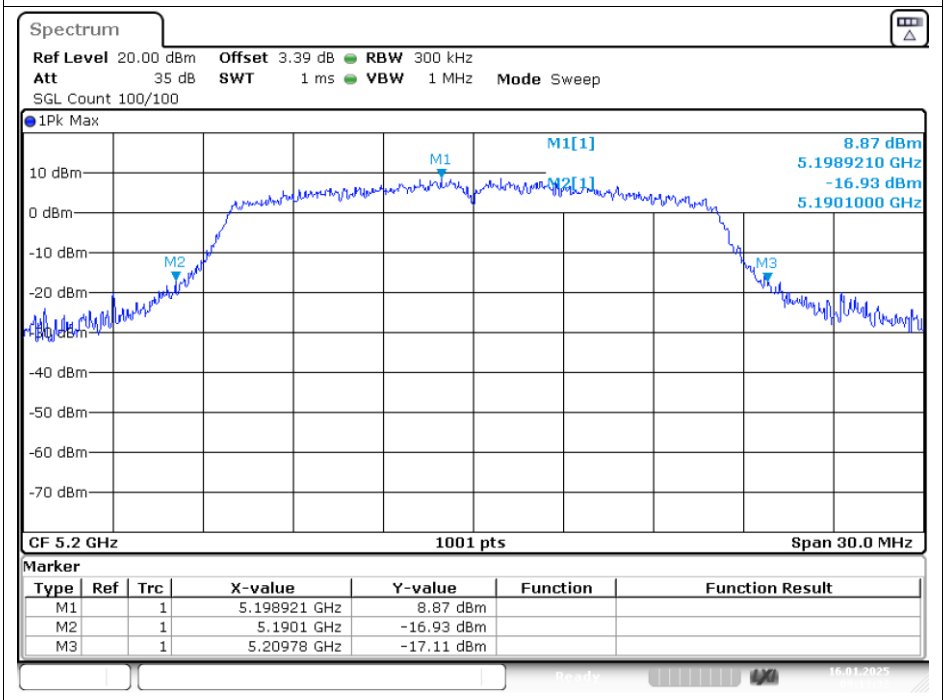
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.44	N/A	N/A
NVNT	a	5200	Ant1	19.68	N/A	N/A
NVNT	a	5240	Ant1	19.77	N/A	N/A
NVNT	n20	5180	Ant1	20.94	N/A	N/A
NVNT	n20	5200	Ant1	20.94	N/A	N/A
NVNT	n20	5240	Ant1	20.58	N/A	N/A

Test Graphs
-26dB Bandwidth NVNT a 5180MHz Ant1



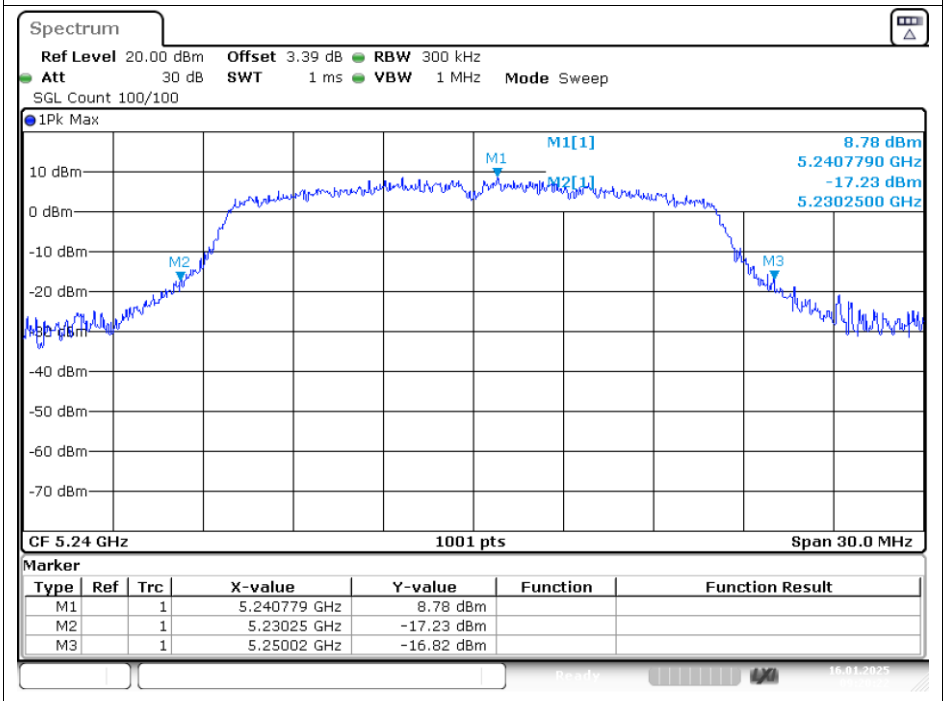
Date: 16.JAN.2025 09:10:23

-26dB Bandwidth NVNT a 5200MHz Ant1



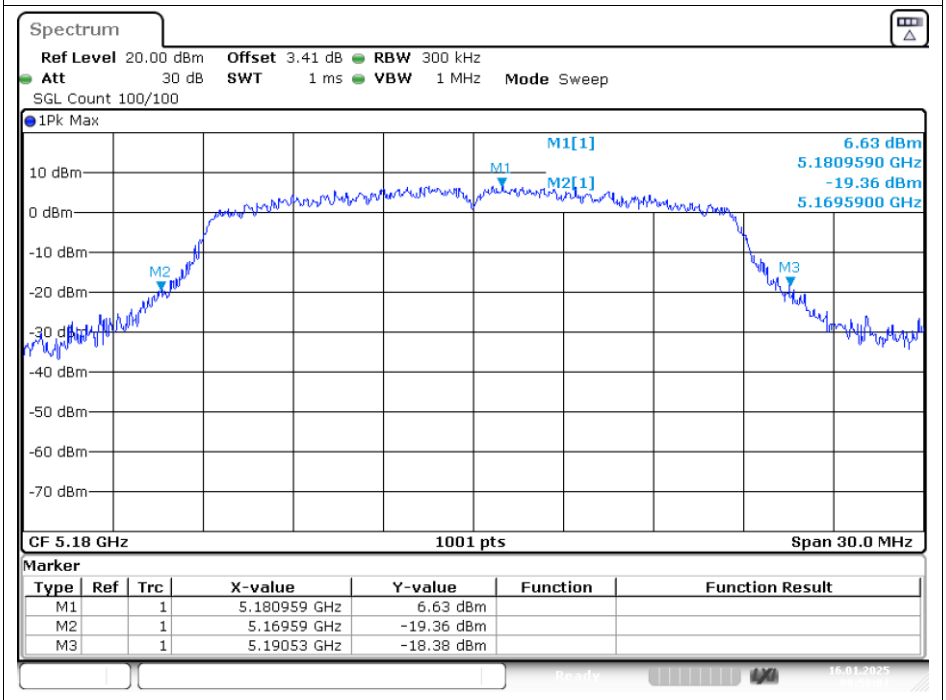
Date: 16.JAN.2025 09:13:32

-26dB Bandwidth NVNT a 5240MHz Ant1



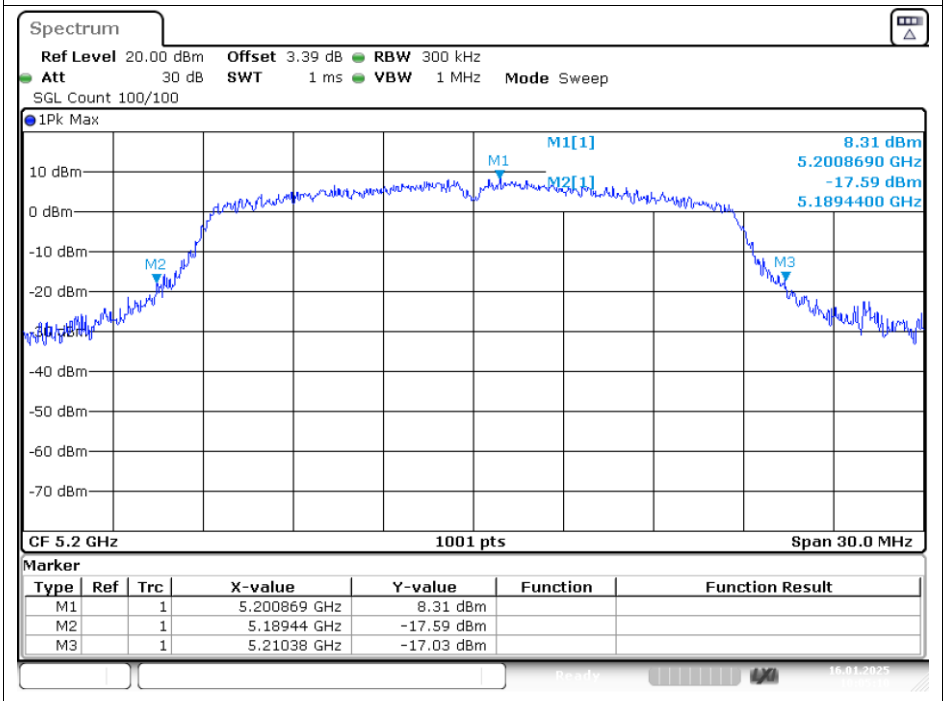
Date: 16.JAN.2025 09:20:22

-26dB Bandwidth NVNT n20 5180MHz Ant1



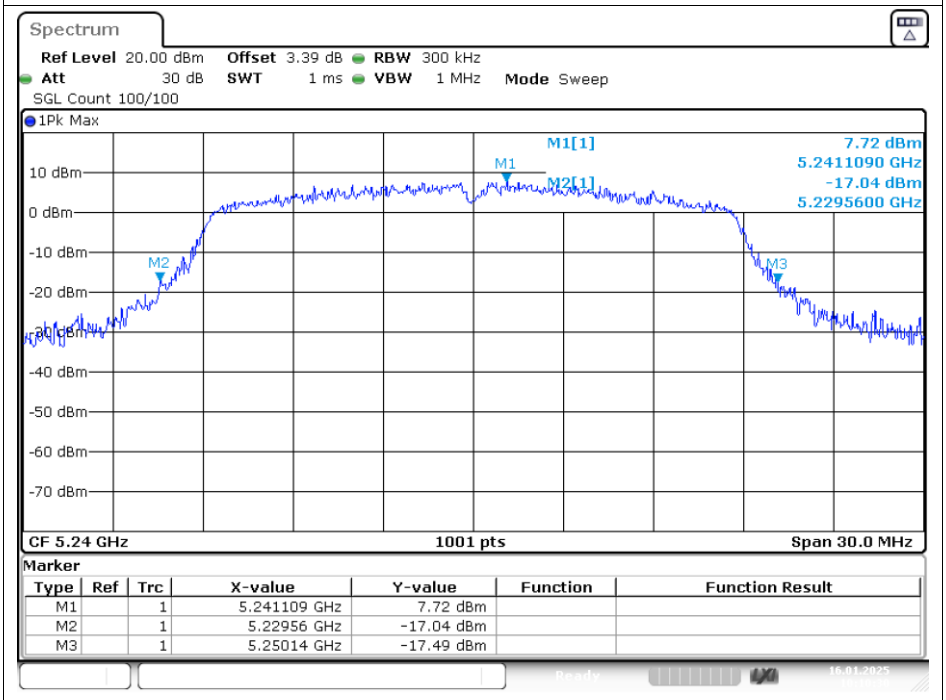
Date: 16.JAN.2025 09:59:00

-26dB Bandwidth NVNT n20 5200MHz Ant1



Date: 16.JAN.2025 10:05:09

-26dB Bandwidth NVNT n20 5240MHz Ant1



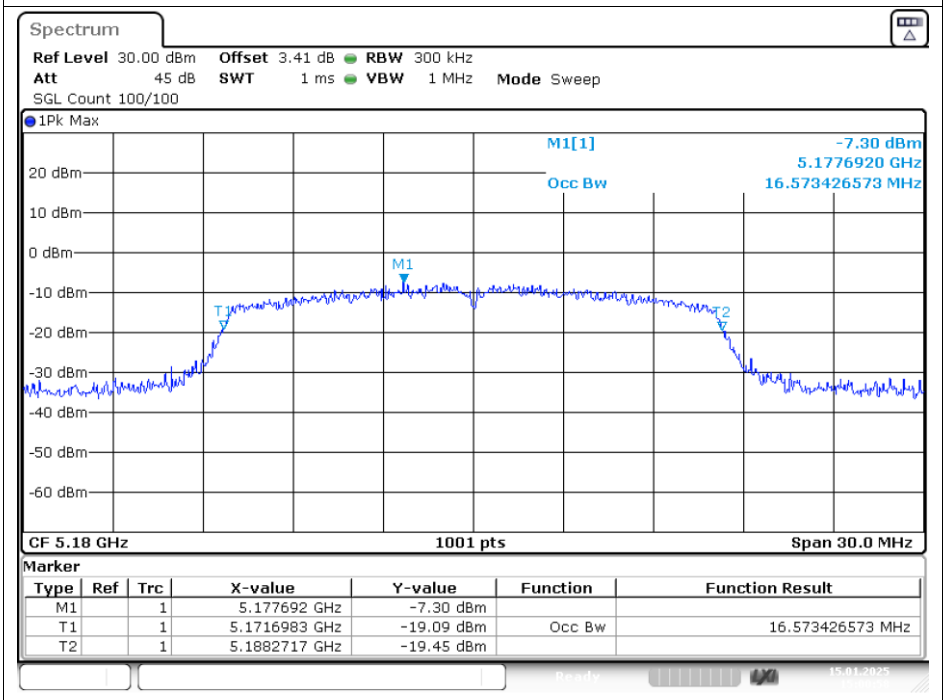
Date: 16.JAN.2025 10:10:30

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.573
NVNT	a	5200	Ant1	16.364
NVNT	a	5240	Ant1	16.304
NVNT	a	5745	Ant1	16.334
NVNT	a	5785	Ant1	16.364
NVNT	a	5825	Ant1	16.304
NVNT	n20	5180	Ant1	17.443
NVNT	n20	5200	Ant1	17.413
NVNT	n20	5240	Ant1	17.473
NVNT	n20	5745	Ant1	17.473
NVNT	n20	5785	Ant1	17.443
NVNT	n20	5825	Ant1	17.383

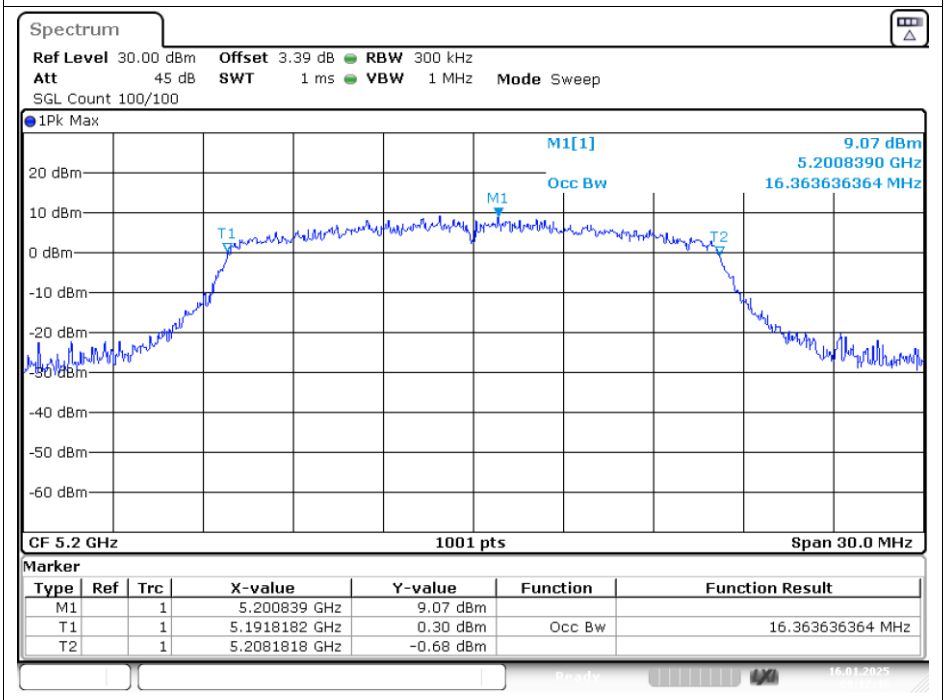
Test Graphs

OBW NVNT a 5180MHz Ant1



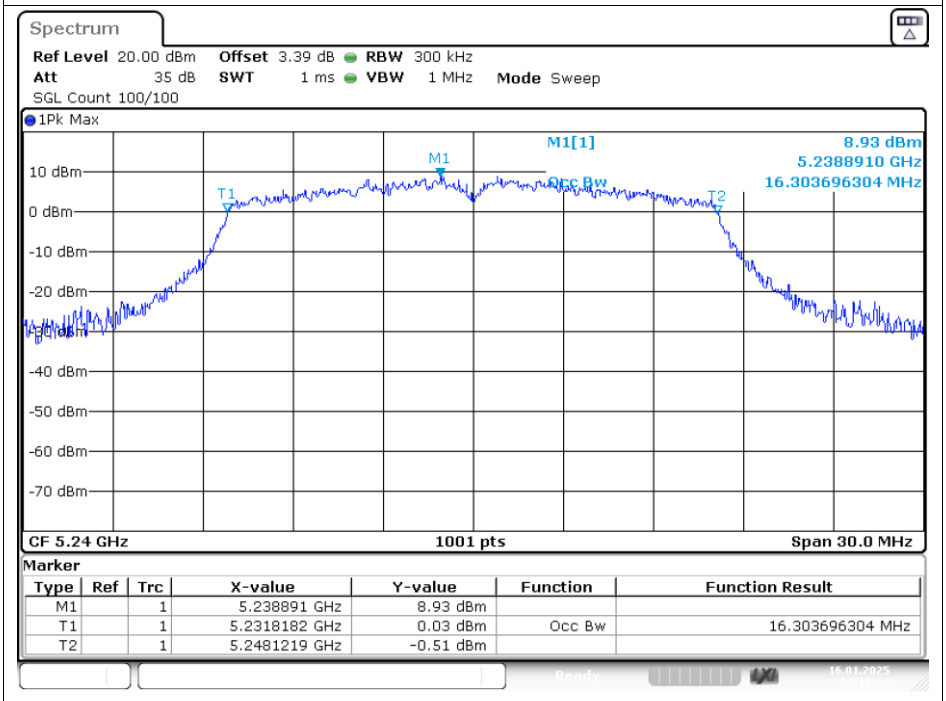
Date: 15.JAN.2025 15:00:58

OBW NVNT a 5200MHz Ant1



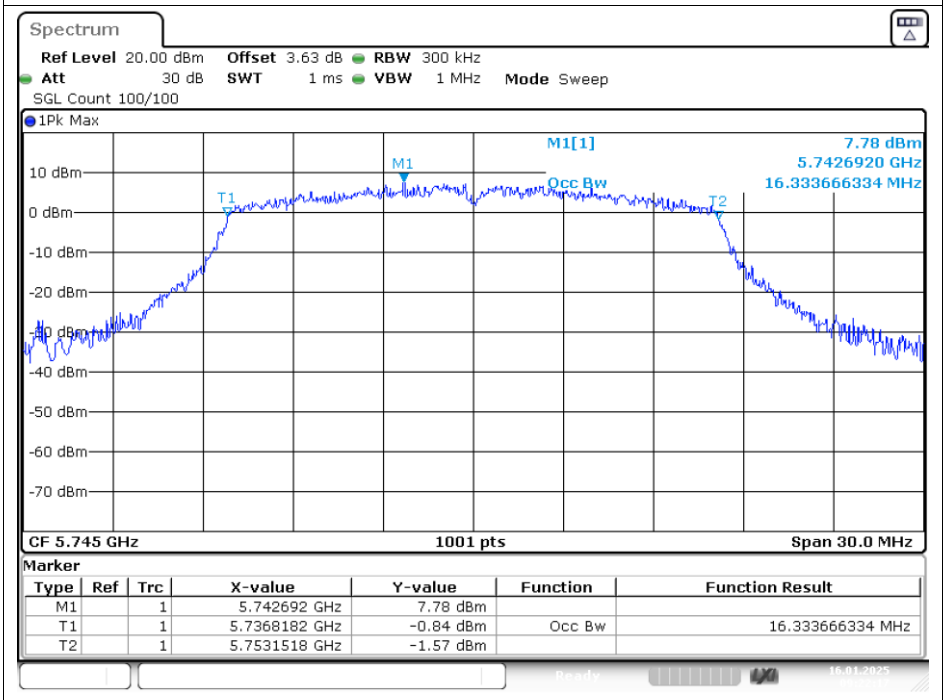
Date: 16.JAN.2025 09:12:46

OBW NVNT a 5240MHz Ant1



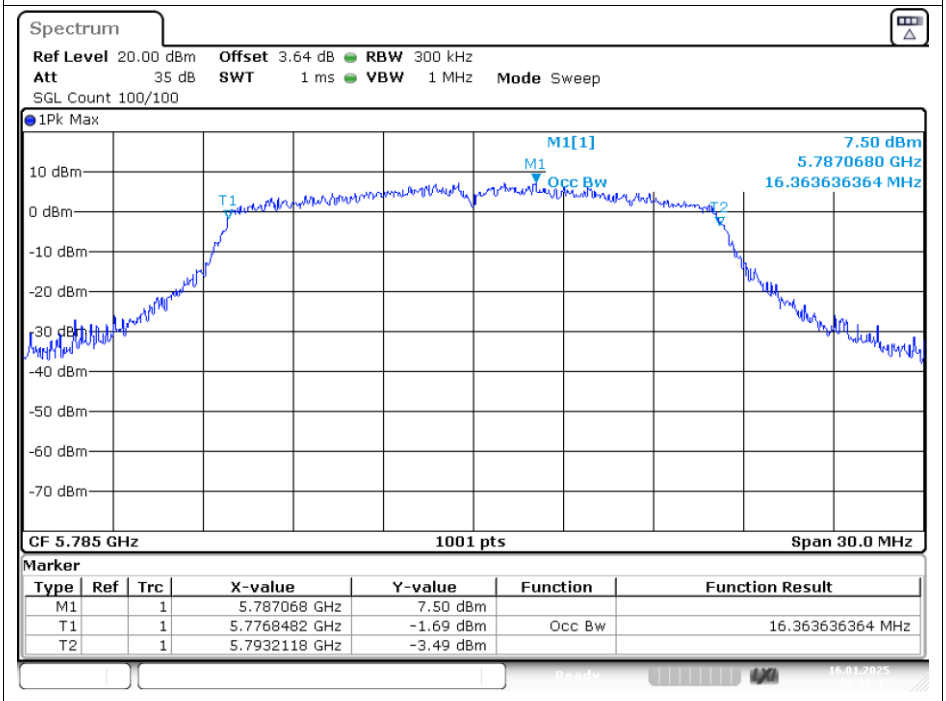
Date: 16.JAN.2025 09:16:22

OBW NVNT a 5745MHz Ant1



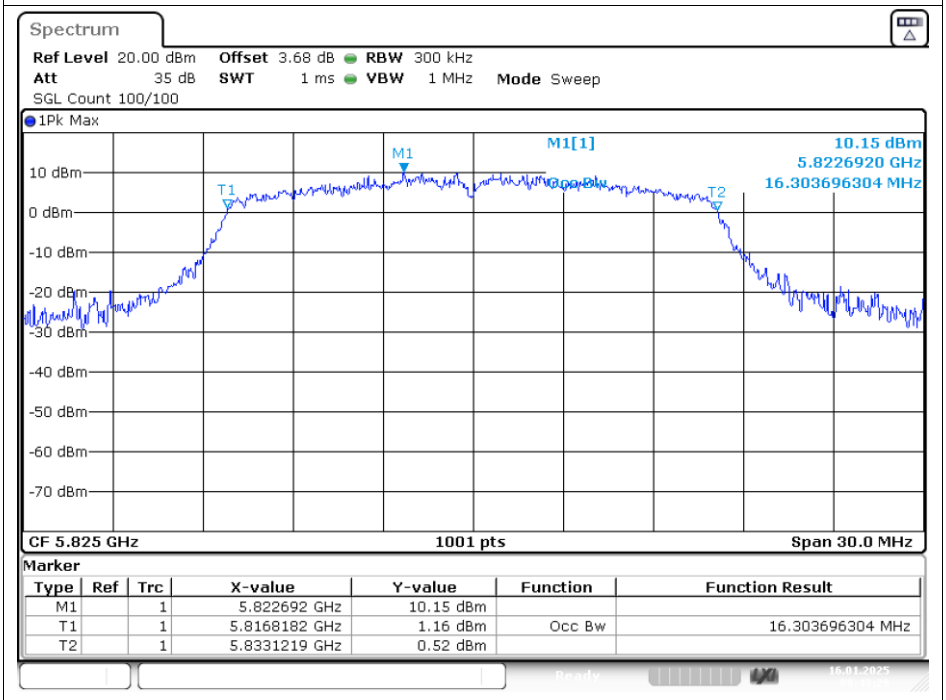
Date: 16.JAN.2025 09:22:18

OBW NVNT a 5785MHz Ant1



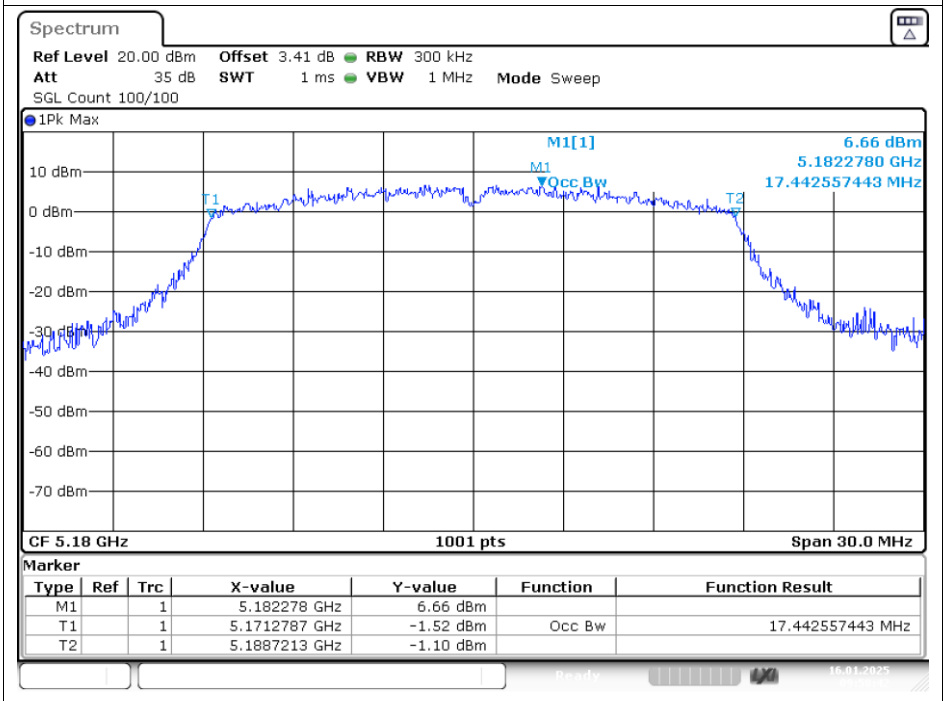
Date: 16.JAN.2025 09:33:42

OBW NVNT a 5825MHz Ant1



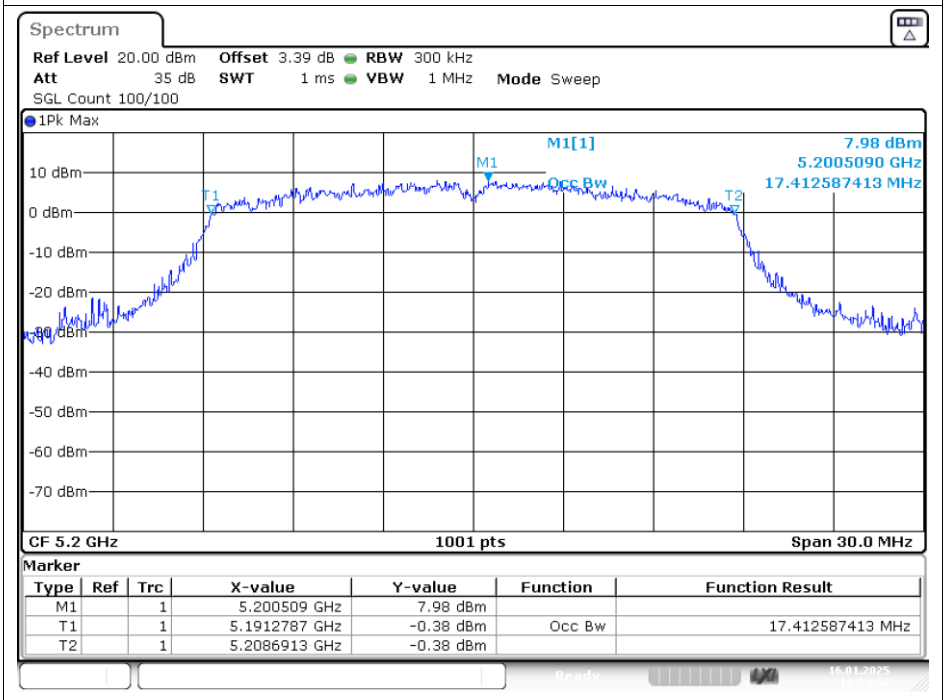
Date: 16.JAN.2025 09:43:29

OBW NVNT n20 5180MHz Ant1



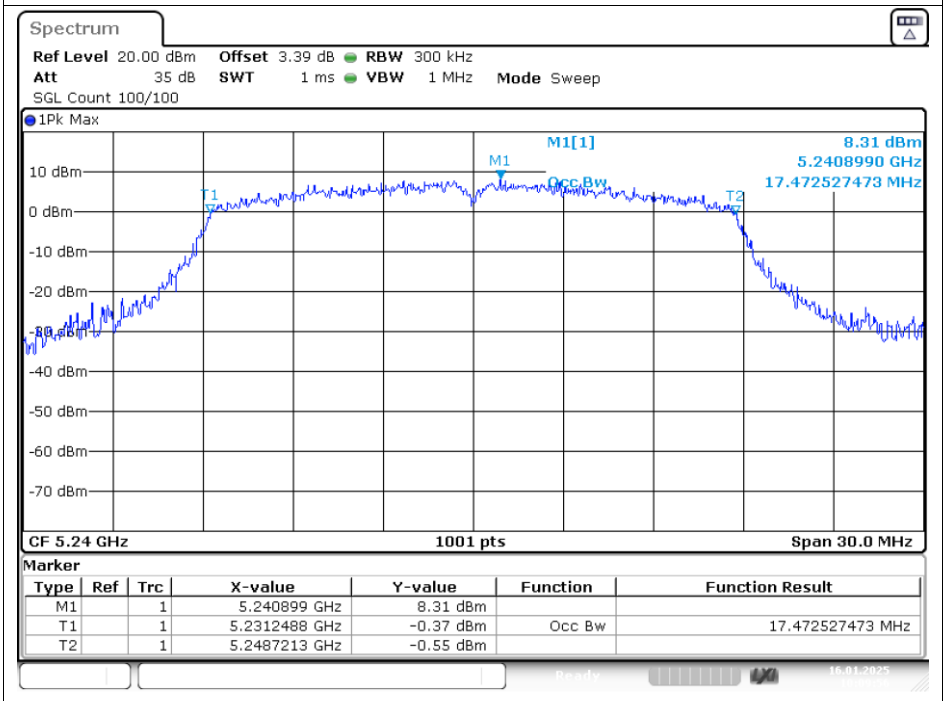
Date: 16.JAN.2025 09:58:42

OBW NVNT n20 5200MHz Ant1



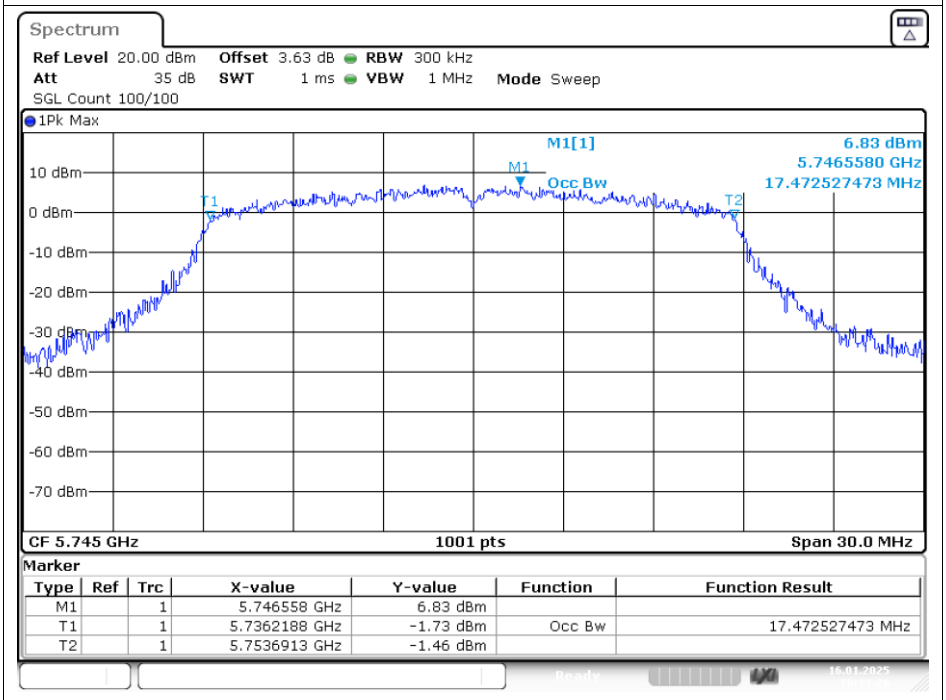
Date: 16.JAN.2025 10:04:50

OBW NVNT n20 5240MHz Ant1



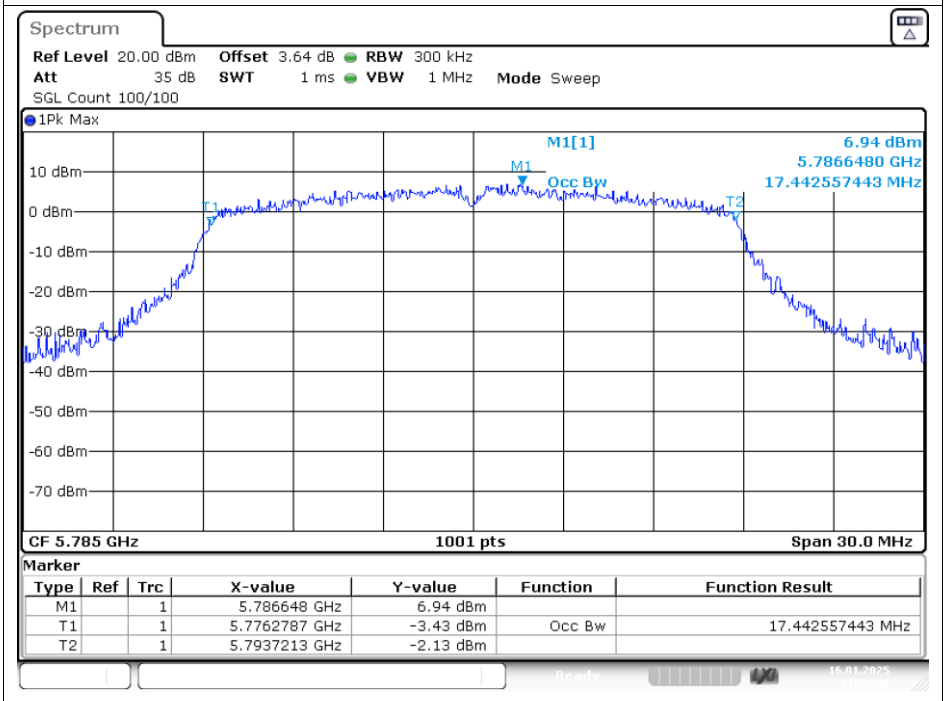
Date: 16.JAN.2025 10:09:57

OBW NVNT n20 5745MHz Ant1



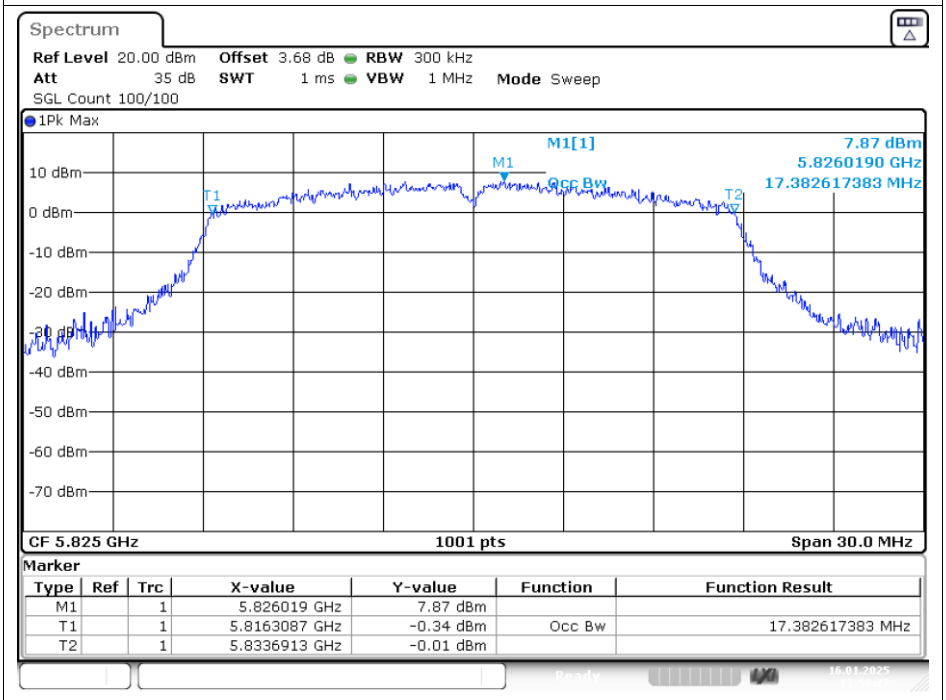
Date: 16.JAN.2025 10:13:26

OBW NVNT n20 5785MHz Ant1



Date: 16.JAN.2025 11:53:48

OBW NVNT n20 5825MHz Ant1

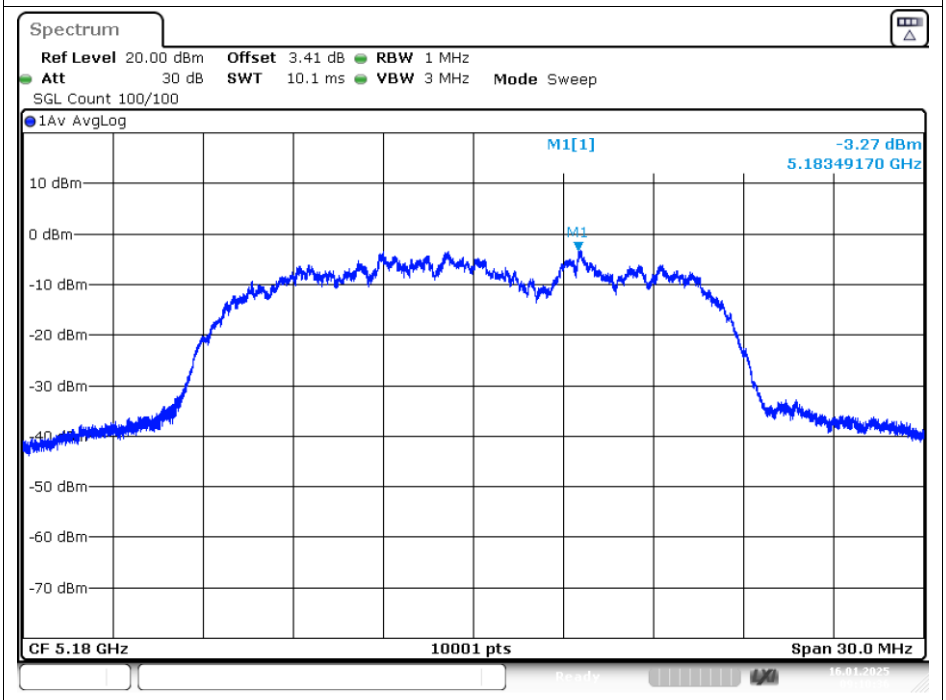


Date: 16.JAN.2025 11:58:27

Maximum Power Spectral Density Level

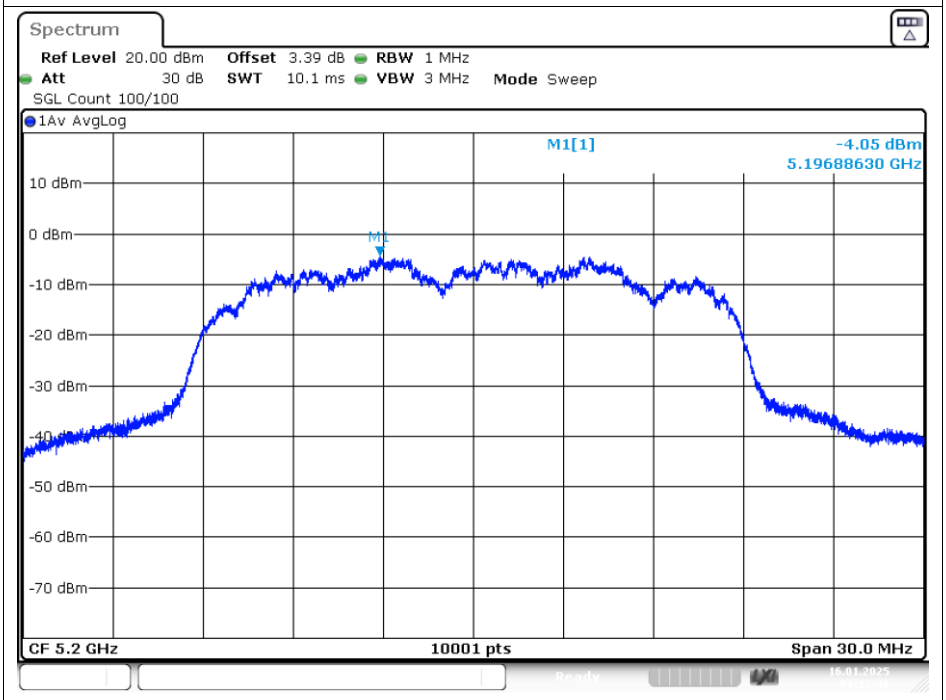
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.27	0.96	-2.31	11	Pass
NVNT	a	5200	Ant1	-4.05	0.96	-3.09	11	Pass
NVNT	a	5240	Ant1	-3	0.96	-2.04	11	Pass
NVNT	a	5745	Ant1	-4.33	0.96	-3.37	30	Pass
NVNT	a	5785	Ant1	-3.92	0.98	-2.94	30	Pass
NVNT	a	5825	Ant1	-3.2	0.96	-2.24	30	Pass
NVNT	n20	5180	Ant1	-5.39	1.02	-4.37	11	Pass
NVNT	n20	5200	Ant1	-3.75	1.02	-2.73	11	Pass
NVNT	n20	5240	Ant1	-4.18	1.02	-3.16	11	Pass
NVNT	n20	5745	Ant1	-7.66	1.02	-6.64	30	Pass
NVNT	n20	5785	Ant1	-8.09	1.02	-7.07	30	Pass
NVNT	n20	5825	Ant1	-7.62	1.02	-6.6	30	Pass

Test Graphs
PSD NVNT a 5180MHz Ant1



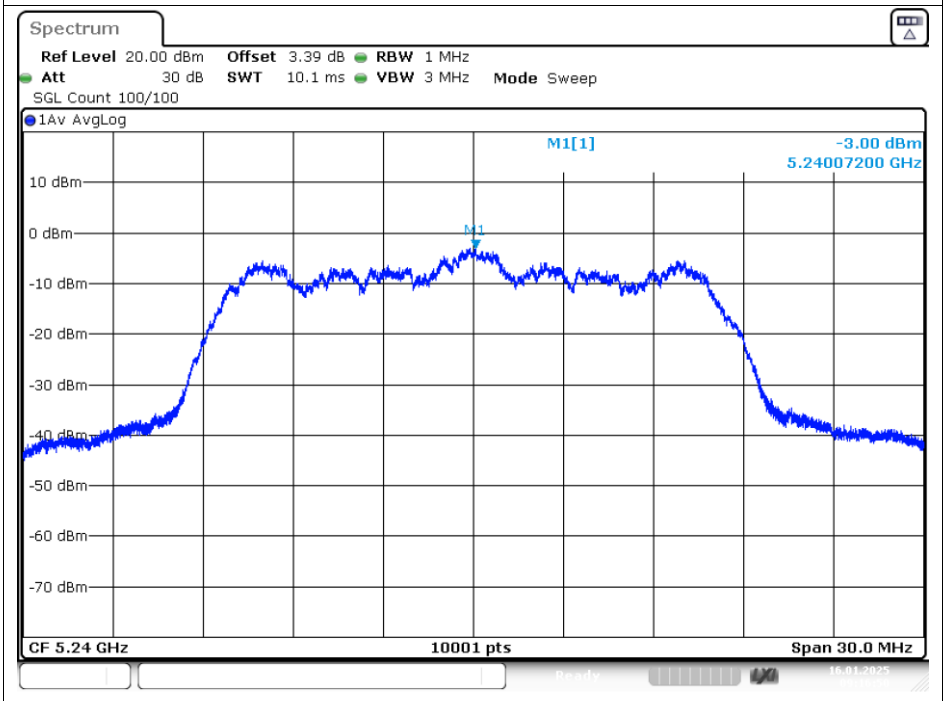
Date: 16.JAN.2025 09:10:37

PSD NVNT a 5200MHz Ant1

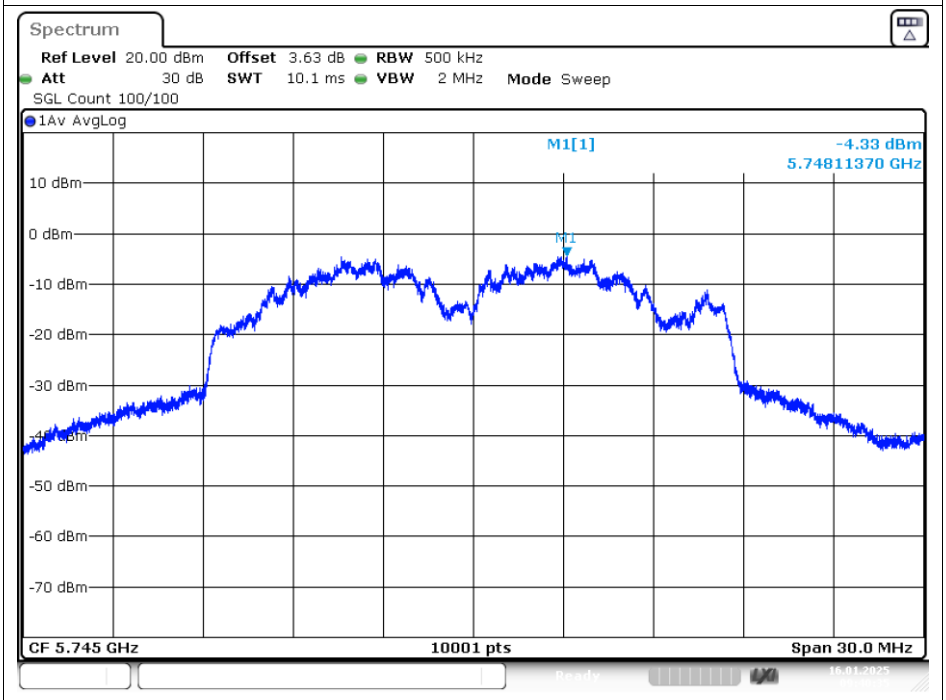


Date: 16.JAN.2025 09:13:46

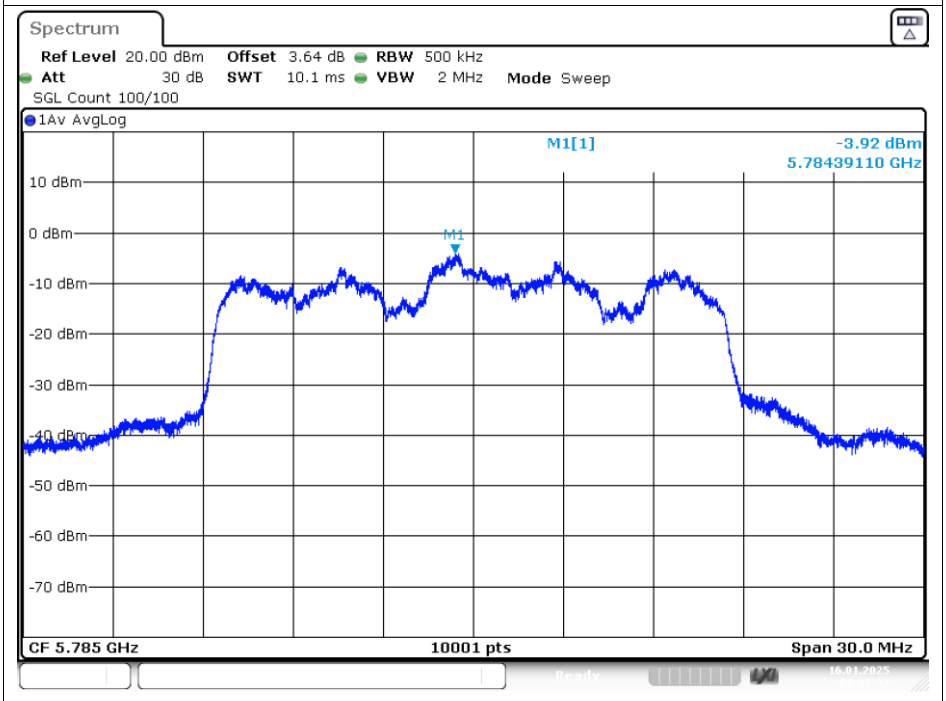
PSD NVNT a 5240MHz Ant1



PSD NVNT a 5745MHz Ant1

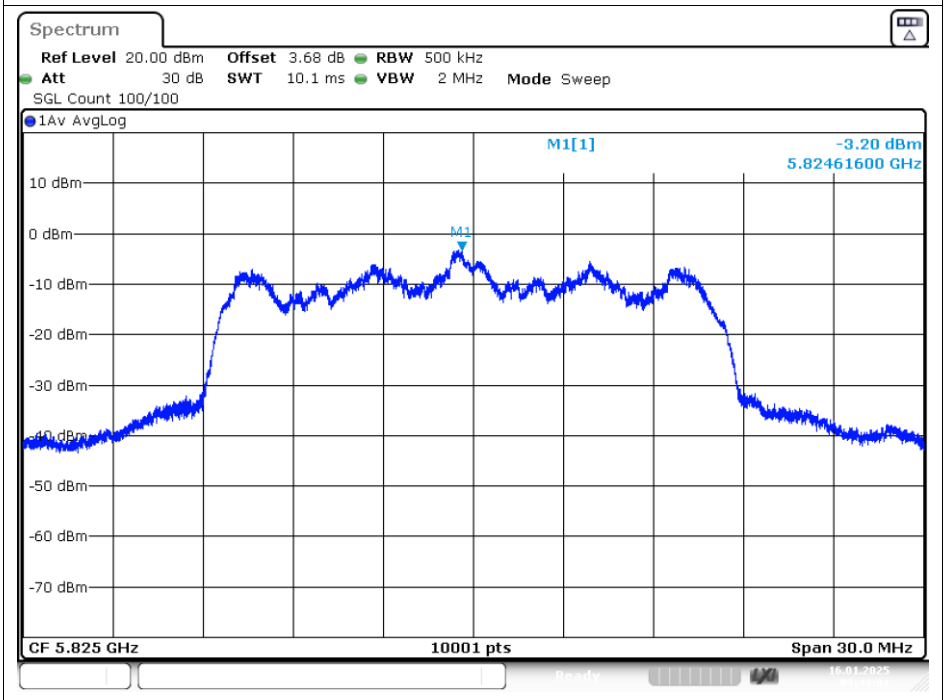


PSD NVNT a 5785MHz Ant1



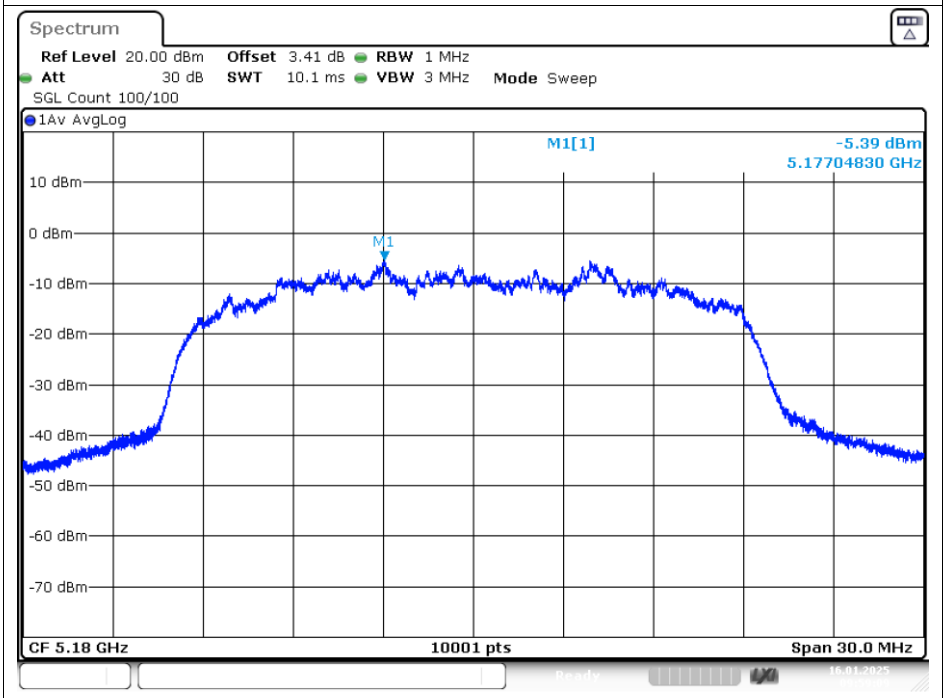
Date: 16.JAN.2025 09:37:33

PSD NVNT a 5825MHz Ant1

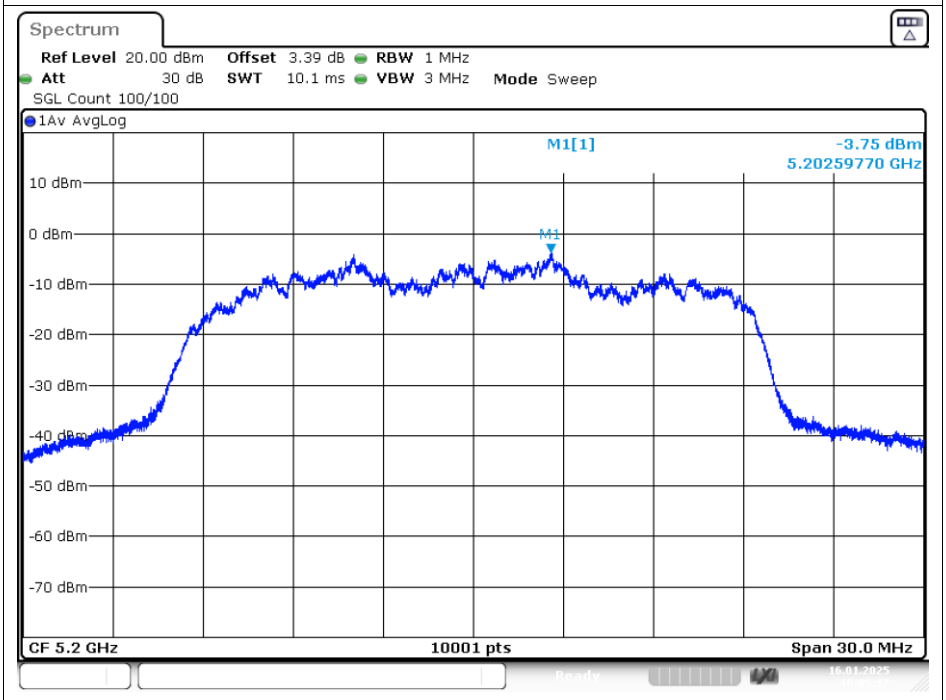


Date: 16.JAN.2025 09:44:01

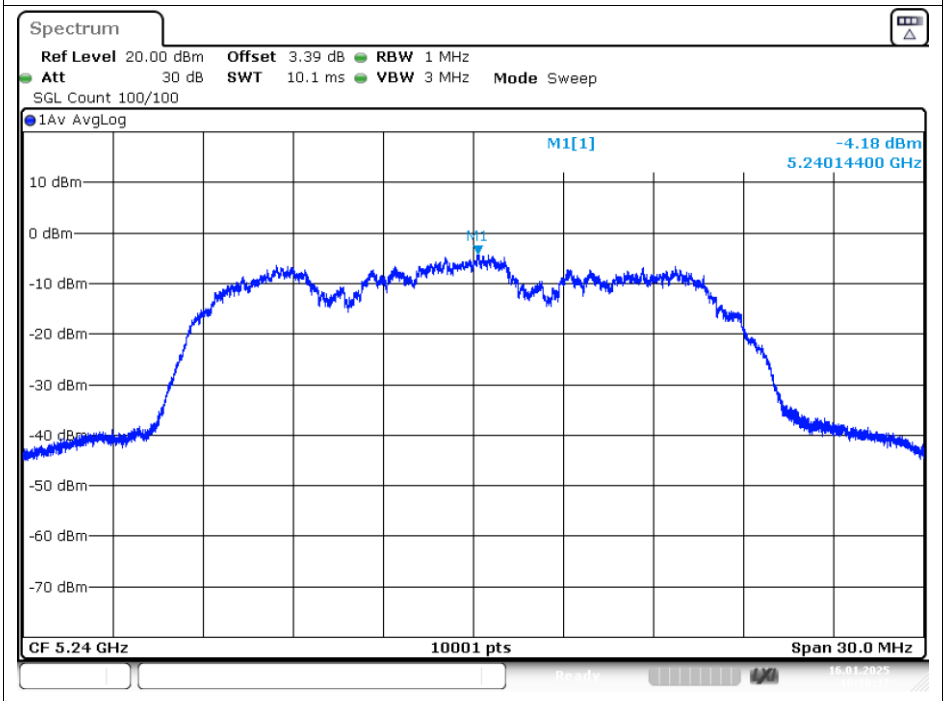
PSD NVNT n20 5180MHz Ant1



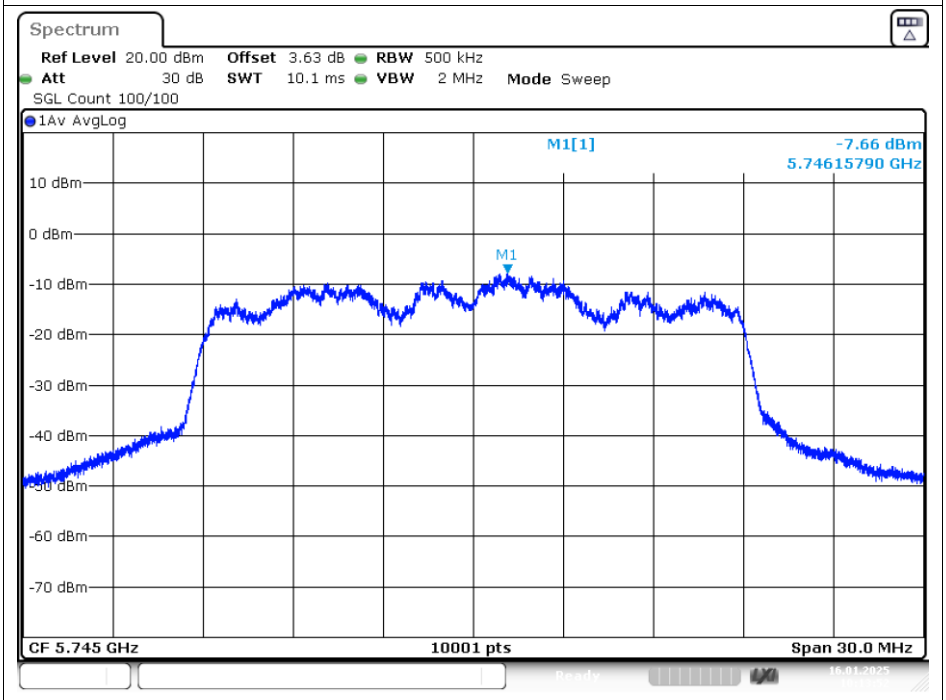
PSD NVNT n20 5200MHz Ant1



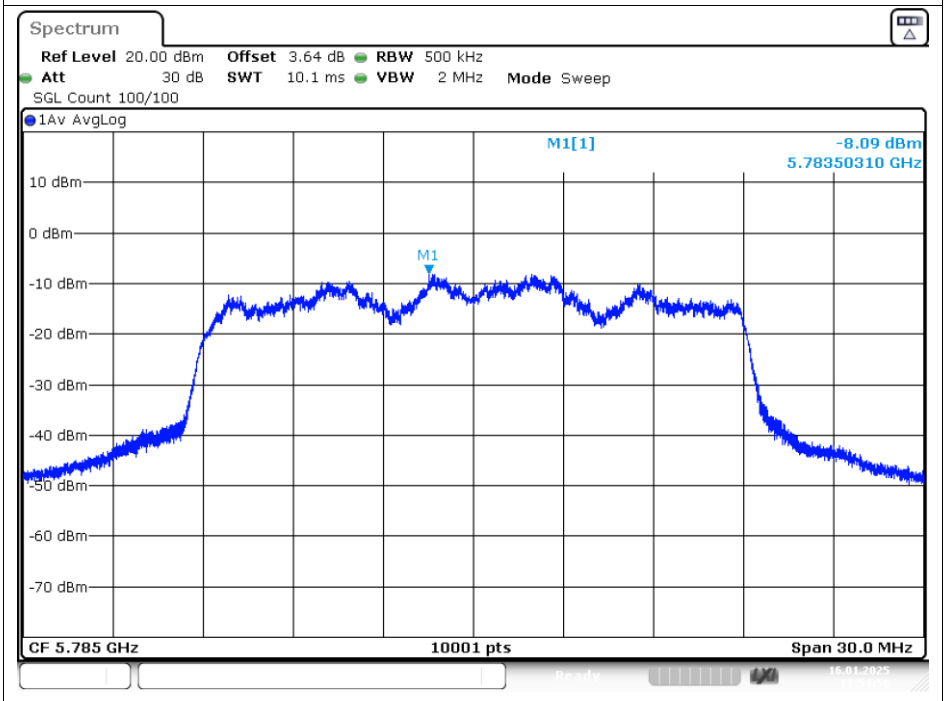
PSD NVNT n20 5240MHz Ant1



PSD NVNT n20 5745MHz Ant1

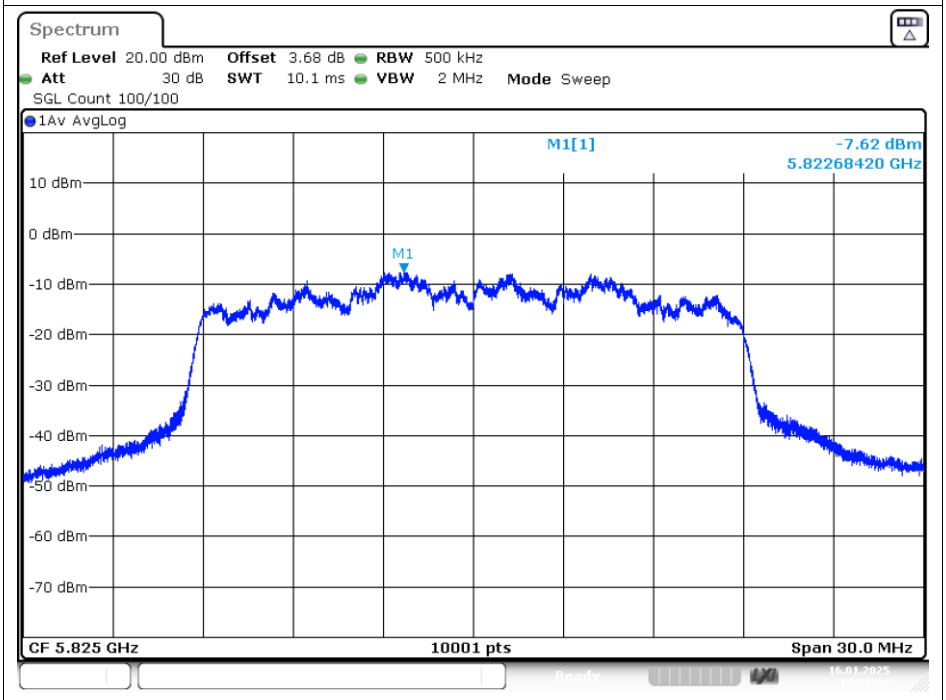


PSD NVNT n20 5785MHz Ant1



Date: 16.JAN.2025 11:54:57

PSD NVNT n20 5825MHz Ant1



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Frequency Stability

Condition	Mode	Time (mins)	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 17V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 20V	a	0	5180	Ant1	5180	0	0	25	Pass
20C 23V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 20V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 20V	a	0	5180	Ant1	5179.94	-60000	-11.58	25	Pass
30C 20V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 20V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
45C 20V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 17V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 20V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 23V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 20V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 20V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 20V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 20V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
45C 20V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 17V	a	0	5240	Ant1	5240	0	0	25	Pass
20C 20V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 23V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 20V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 20V	a	0	5240	Ant1	5240	0	0	25	Pass
30C 20V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 20V	a	0	5240	Ant1	5240	0	0	25	Pass
45C 20V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 17V	a	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 20V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 23V	a	0	5745	Ant1	5744.94	-60000	-10.44	25	Pass
0C 20V	a	0	5745	Ant1	5744.92	-80000	-13.93	25	Pass
10C 20V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
30C 20V	a	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
40C 20V	a	0	5745	Ant1	5745	0	0	25	Pass
45C 20V	a	0	5745	Ant1	5744.94	-60000	-10.44	25	Pass
20C 17V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 20V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 23V	a	0	5785	Ant1	5785	0	0	25	Pass
0C 20V	a	0	5785	Ant1	5785	0	0	25	Pass
10C 20V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass

30C 20V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
40C 20V	a	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
45C 20V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 17V	a	0	5825	Ant1	5824.94	-60000	-10.3	25	Pass
20C 20V	a	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 23V	a	0	5825	Ant1	5824.94	-60000	-10.3	25	Pass
0C 20V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
10C 20V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
30C 20V	a	0	5825	Ant1	5824.92	-80000	-13.73	25	Pass
40C 20V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
45C 20V	a	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 17V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 20V	n20	0	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 23V	n20	0	5180	Ant1	5180	0	0	25	Pass
0C 20V	n20	0	5180	Ant1	5179.94	-60000	-11.58	25	Pass
10C 20V	n20	0	5180	Ant1	5180	0	0	25	Pass
30C 20V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 20V	n20	0	5180	Ant1	5179.94	-60000	-11.58	25	Pass
45C 20V	n20	0	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 17V	n20	0	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 20V	n20	0	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 23V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 20V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 20V	n20	0	5200	Ant1	5199.92	-80000	-15.38	25	Pass
30C 20V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 20V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
45C 20V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 17V	n20	0	5240	Ant1	5240	0	0	25	Pass
20C 20V	n20	0	5240	Ant1	5239.92	-80000	-15.27	25	Pass
20C 23V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 20V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 20V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 20V	n20	0	5240	Ant1	5239.9	-100000	-19.08	25	Pass
40C 20V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
45C 20V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 17V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 20V	n20	0	5745	Ant1	5744.92	-80000	-13.93	25	Pass
20C 23V	n20	0	5745	Ant1	5744.94	-60000	-10.44	25	Pass
0C 20V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 20V	n20	0	5745	Ant1	5744.92	-80000	-13.93	25	Pass
30C 20V	n20	0	5745	Ant1	5744.94	-60000	-10.44	25	Pass
40C 20V	n20	0	5745	Ant1	5745	0	0	25	Pass

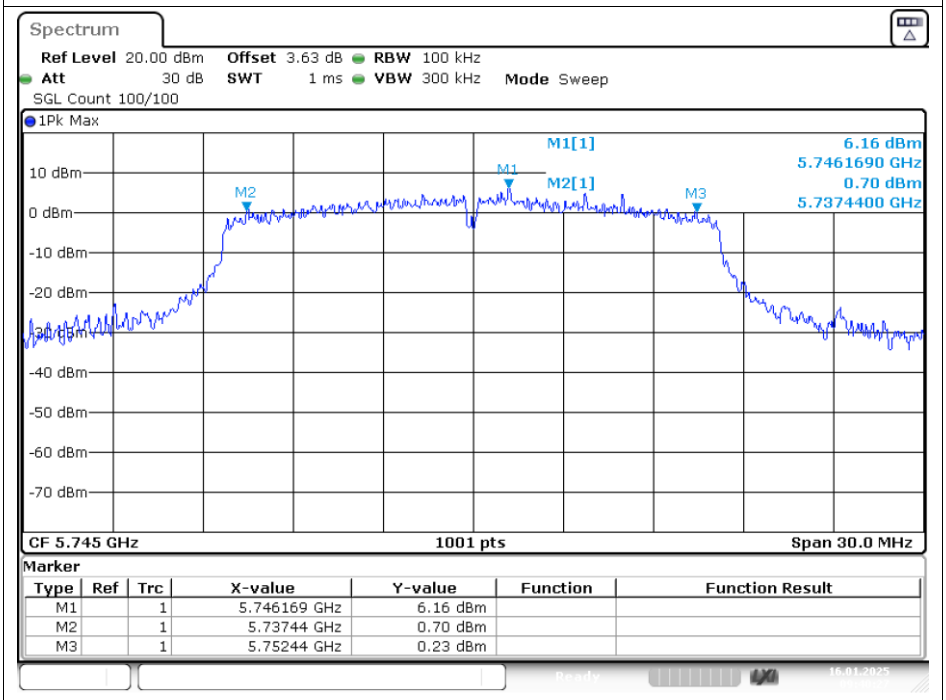
45C 20V	n20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 17V	n20	0	5785	Ant1	5784.94	-60000	-10.37	25	Pass
20C 20V	n20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 23V	n20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
0C 20V	n20	0	5785	Ant1	5785	0	0	25	Pass
10C 20V	n20	0	5785	Ant1	5784.94	-60000	-10.37	25	Pass
30C 20V	n20	0	5785	Ant1	5785	0	0	25	Pass
40C 20V	n20	0	5785	Ant1	5784.94	-60000	-10.37	25	Pass
45C 20V	n20	0	5785	Ant1	5784.94	-60000	-10.37	25	Pass
20C 17V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 20V	n20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 23V	n20	0	5825	Ant1	5824.94	-60000	-10.3	25	Pass
0C 20V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
10C 20V	n20	0	5825	Ant1	5824.94	-60000	-10.3	25	Pass
30C 20V	n20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
40C 20V	n20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
45C 20V	n20	0	5825	Ant1	5824.94	-60000	-10.3	25	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15	0.5	Pass
NVNT	a	5785	Ant1	11.31	0.5	Pass
NVNT	a	5825	Ant1	11.67	0.5	Pass
NVNT	n20	5745	Ant1	14.04	0.5	Pass
NVNT	n20	5785	Ant1	15.09	0.5	Pass
NVNT	n20	5825	Ant1	13.26	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



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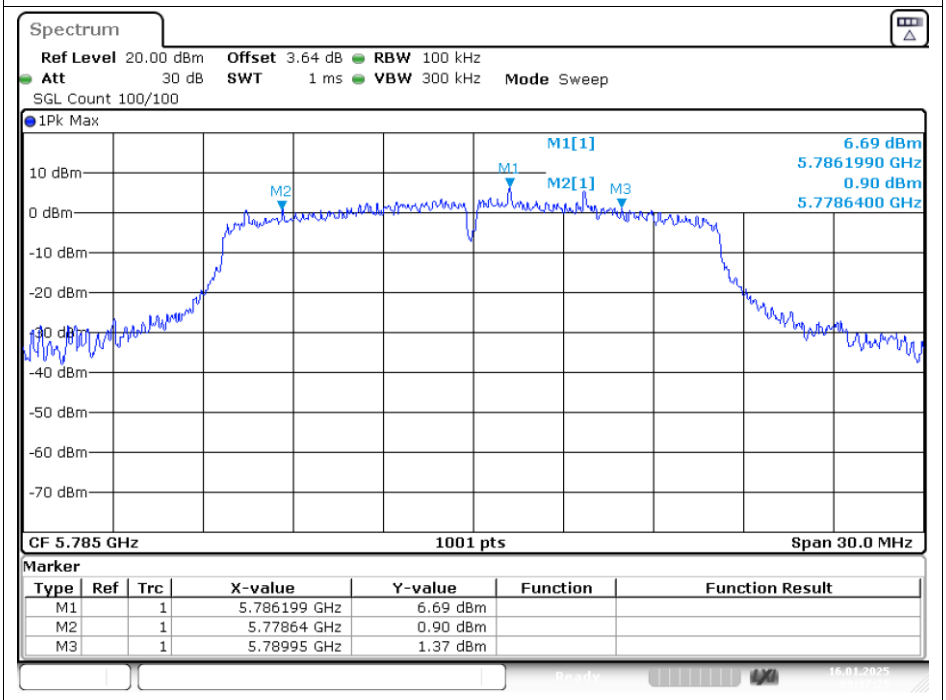
-6dB Bandwidth NVNT a 5785MHz Ant1



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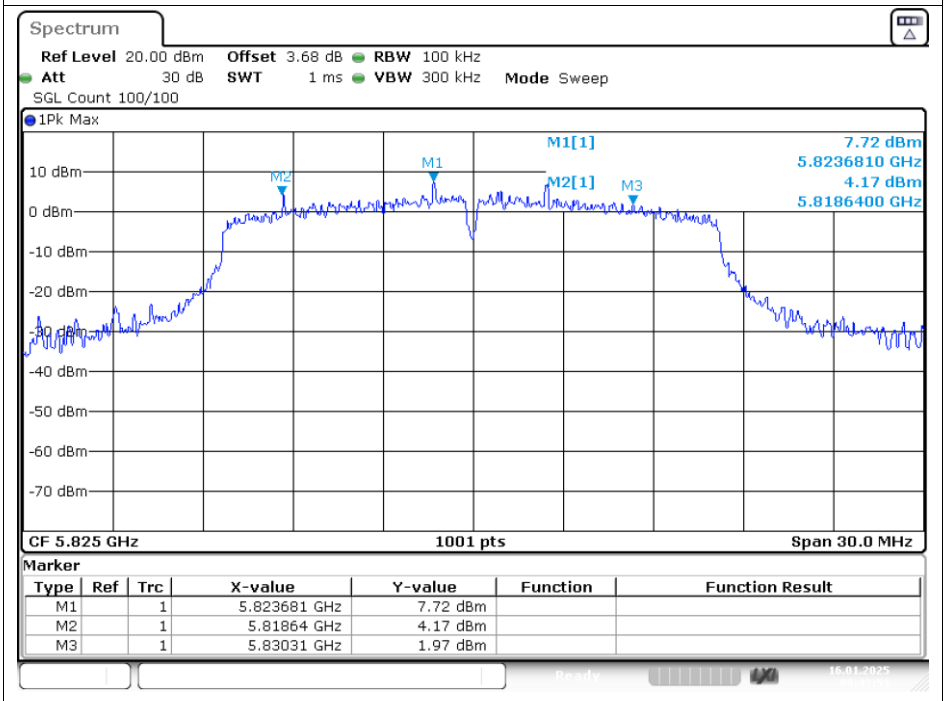
-6dB Bandwidth NVNT a 5825MHz Ant1



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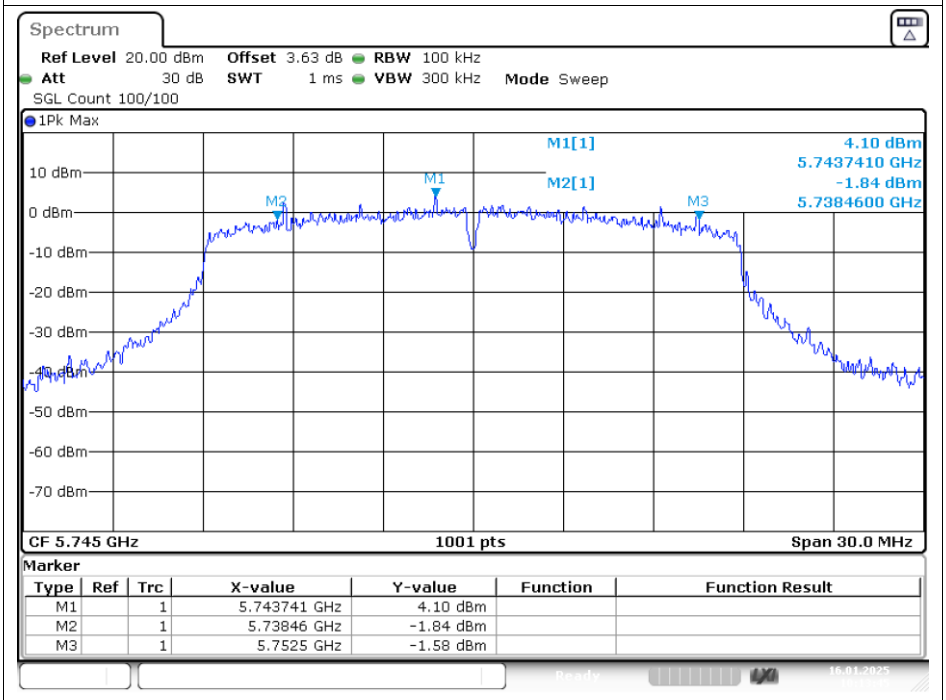
-6dB Bandwidth NVNT n20 5745MHz Ant1



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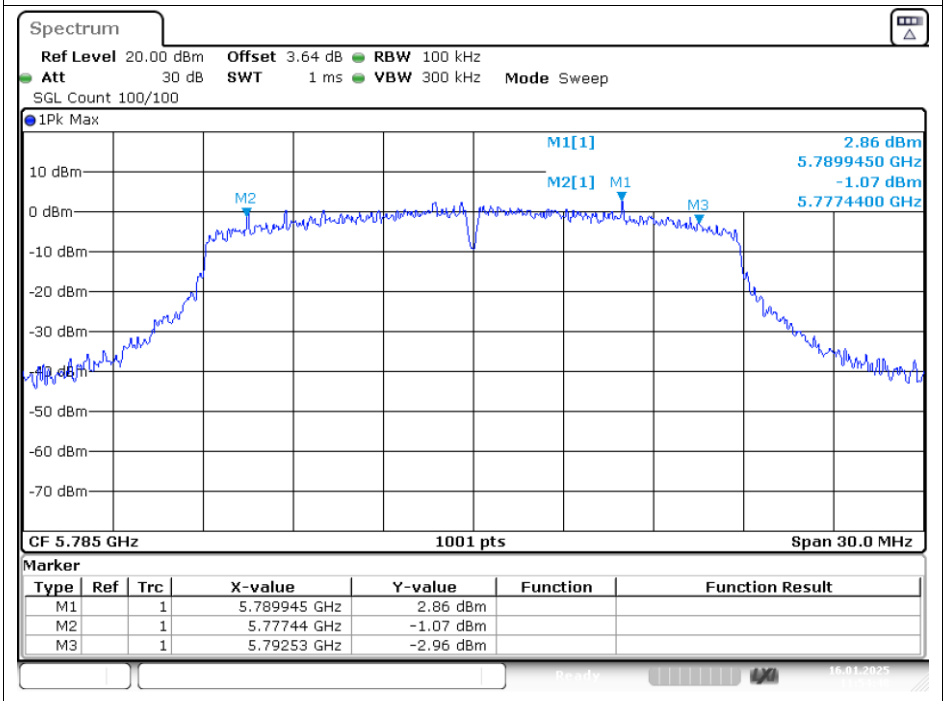
-6dB Bandwidth NVNT n20 5785MHz Ant1



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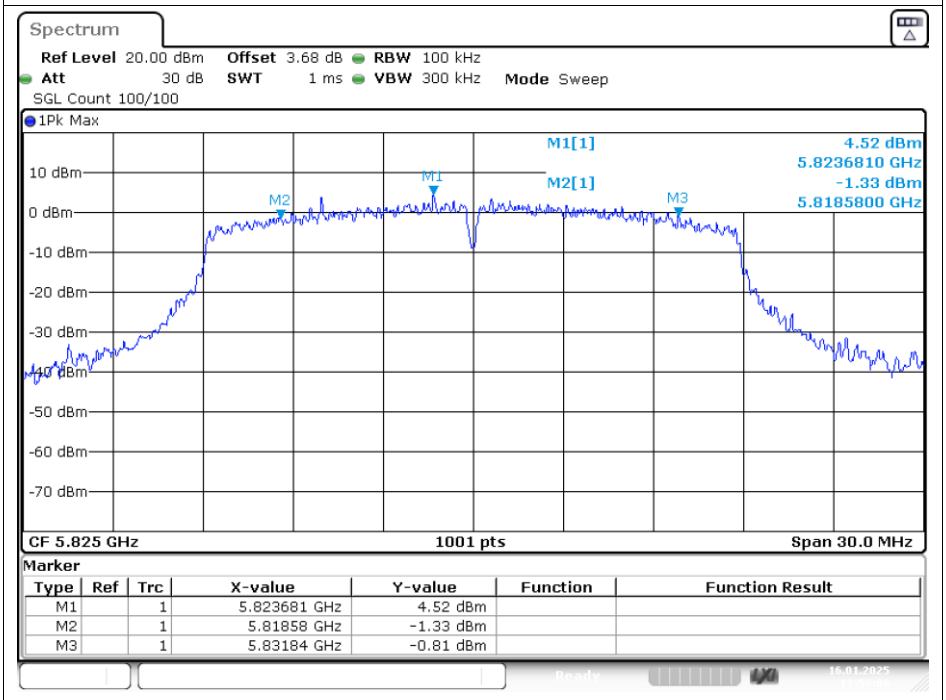
-6dB Bandwidth NVNT n20 5825MHz Ant1



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