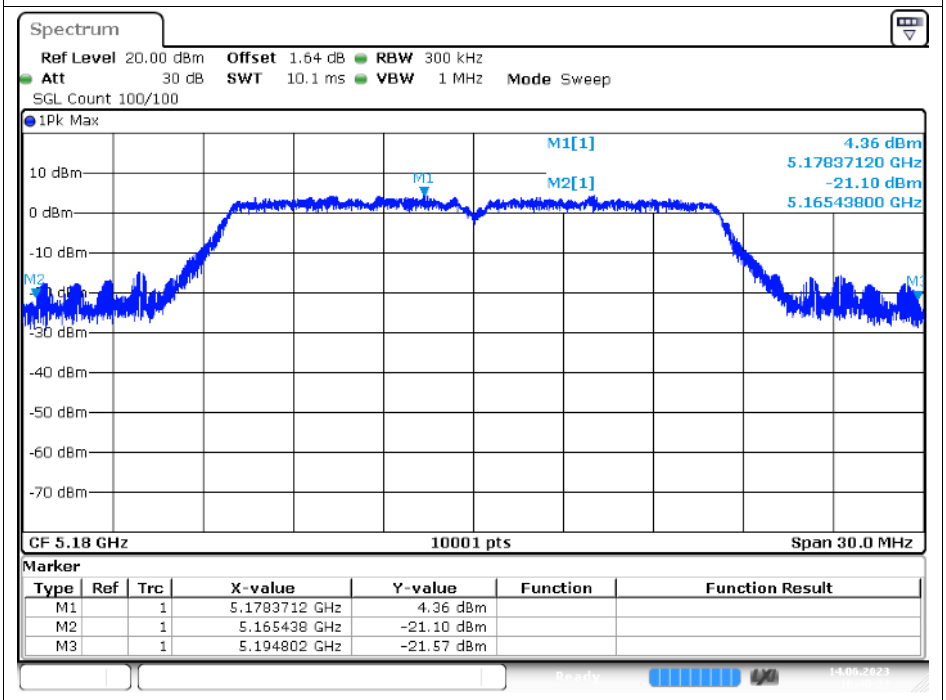
Appendix A

7.1 -26dB Bandwidth

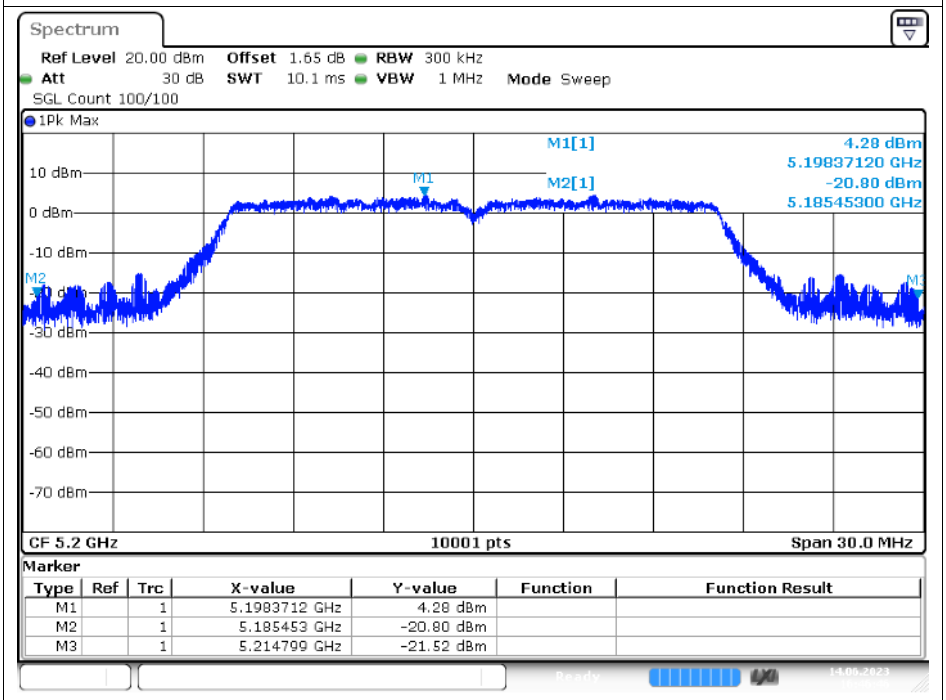
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	29.364	0.5	Pass
NVNT	a	5200	Ant1	29.346	0.5	Pass
NVNT	a	5240	Ant1	29.391	0.5	Pass
NVNT	a	5260	Ant1	29.955	0.5	Pass
NVNT	a	5280	Ant1	29.943	0.5	Pass
NVNT	a	5320	Ant1	29.616	0.5	Pass
NVNT	a	5500	Ant1	29.949	0.5	Pass
NVNT	a	5600	Ant1	29.967	0.5	Pass
NVNT	a	5700	Ant1	29.85	0.5	Pass
NVNT	n20	5180	Ant1	29.649	0.5	Pass
NVNT	n20	5200	Ant1	29.358	0.5	Pass
NVNT	n20	5240	Ant1	29.574	0.5	Pass
NVNT	n20	5260	Ant1	29.544	0.5	Pass
NVNT	n20	5280	Ant1	29.463	0.5	Pass
NVNT	n20	5320	Ant1	29.946	0.5	Pass
NVNT	n20	5500	Ant1	20.928	0.5	Pass
NVNT	n20	5600	Ant1	20.778	0.5	Pass
NVNT	n20	5700	Ant1	20.823	0.5	Pass
NVNT	n40	5190	Ant1	59.82	0.5	Pass
NVNT	n40	5230	Ant1	58.854	0.5	Pass
NVNT	n40	5270	Ant1	59.904	0.5	Pass
NVNT	n40	5310	Ant1	59.694	0.5	Pass
NVNT	n40	5510	Ant1	43.932	0.5	Pass
NVNT	n40	5590	Ant1	40.302	0.5	Pass
NVNT	n40	5670	Ant1	40.242	0.5	Pass

Test Graphs
-26dB Bandwidth NVNT a 5180MHz Ant1



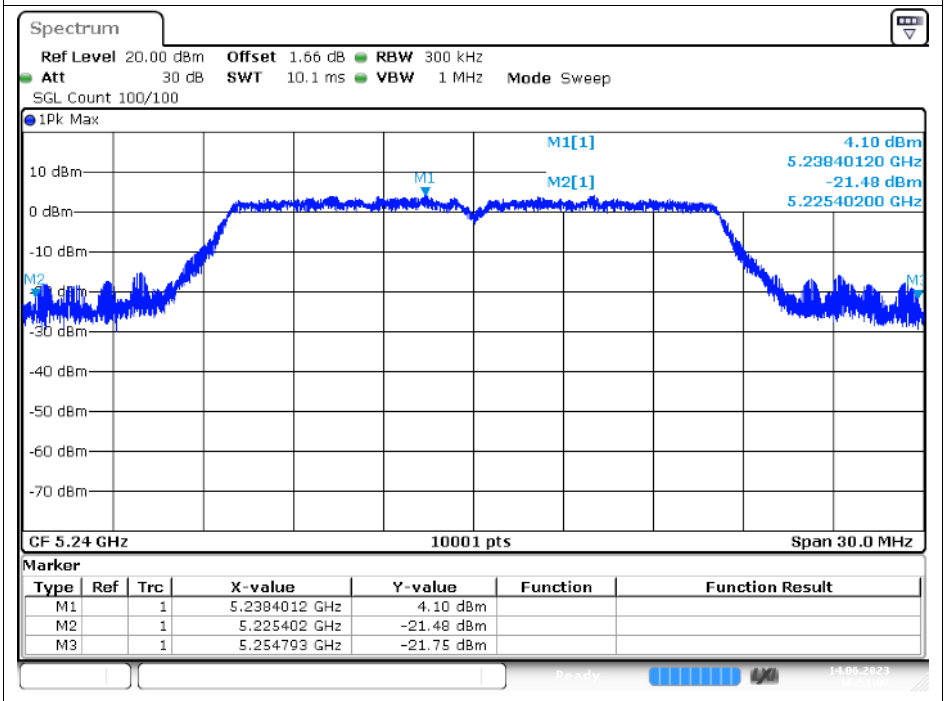
Date: 14.JUN.2023 16:40:33

-26dB Bandwidth NVNT a 5200MHz Ant1



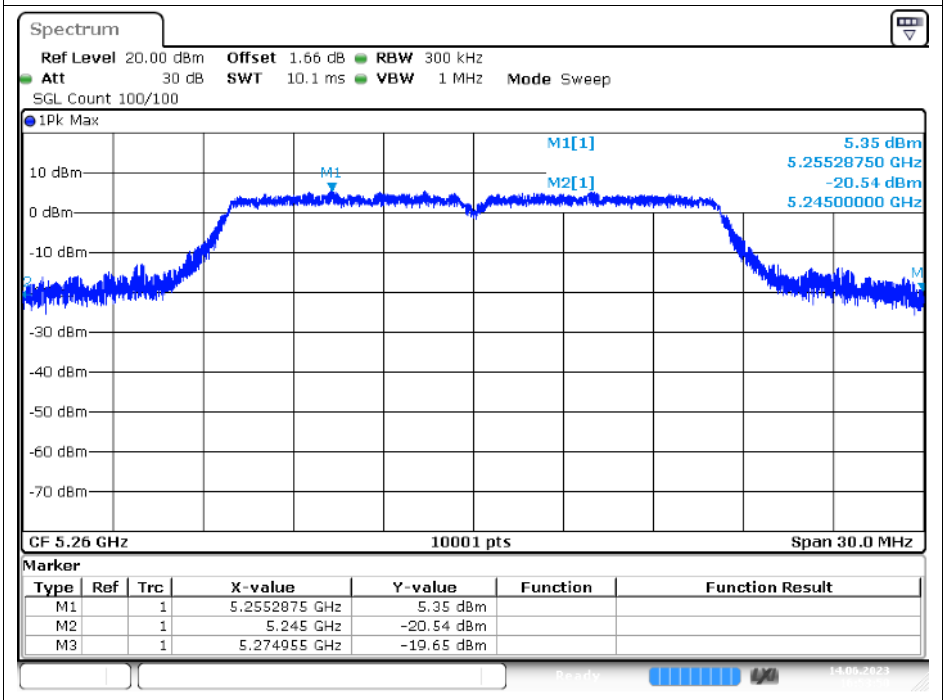
Date: 14.JUN.2023 16:46:46

-26dB Bandwidth NVNT a 5240MHz Ant1



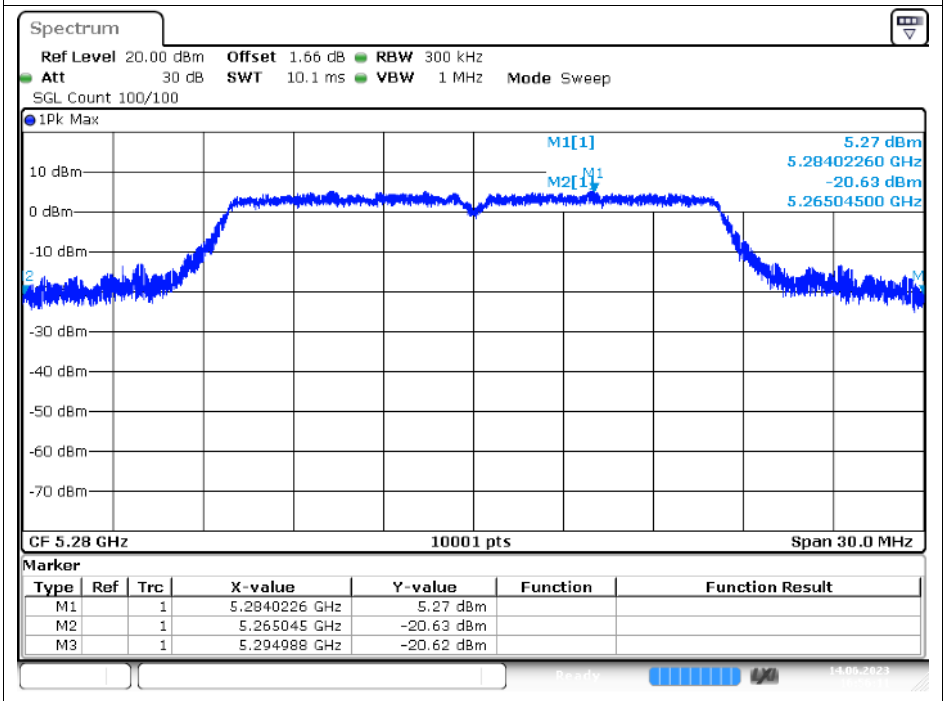
Date: 14.JUN.2023 16:51:08

-26dB Bandwidth NVNT a 5260MHz Ant1



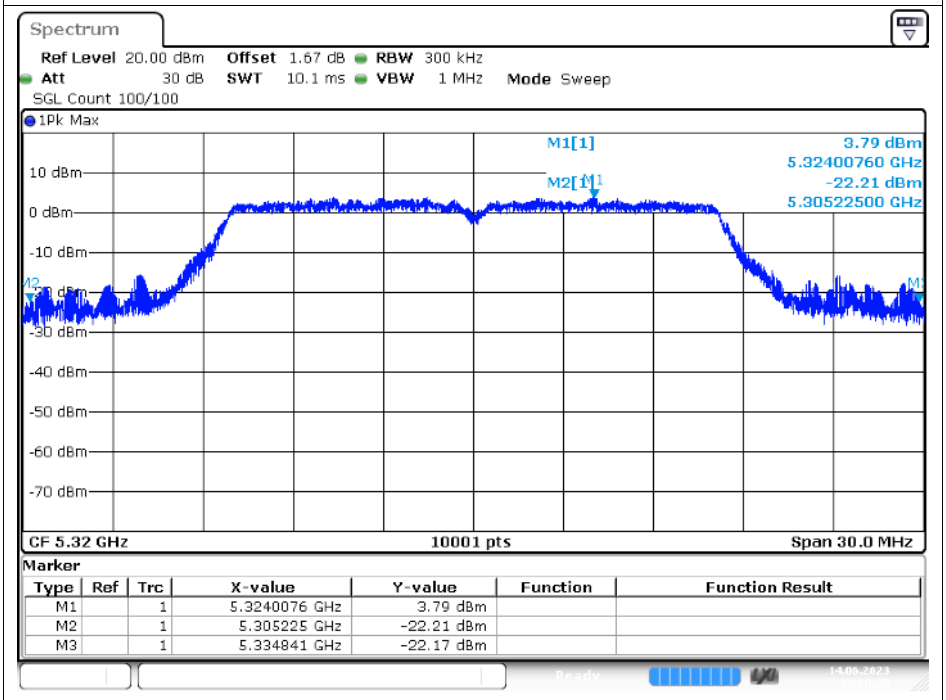
Date: 14.JUN.2023 16:53:50

-26dB Bandwidth NVNT a 5280MHz Ant1



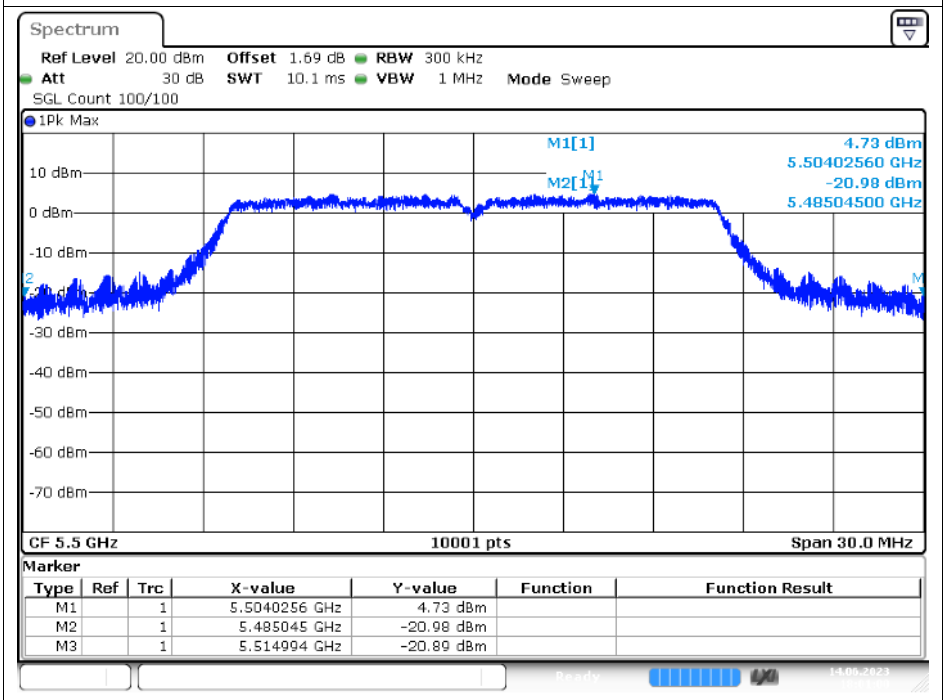
Date: 14.JUN.2023 16:56:12

-26dB Bandwidth NVNT a 5320MHz Ant1



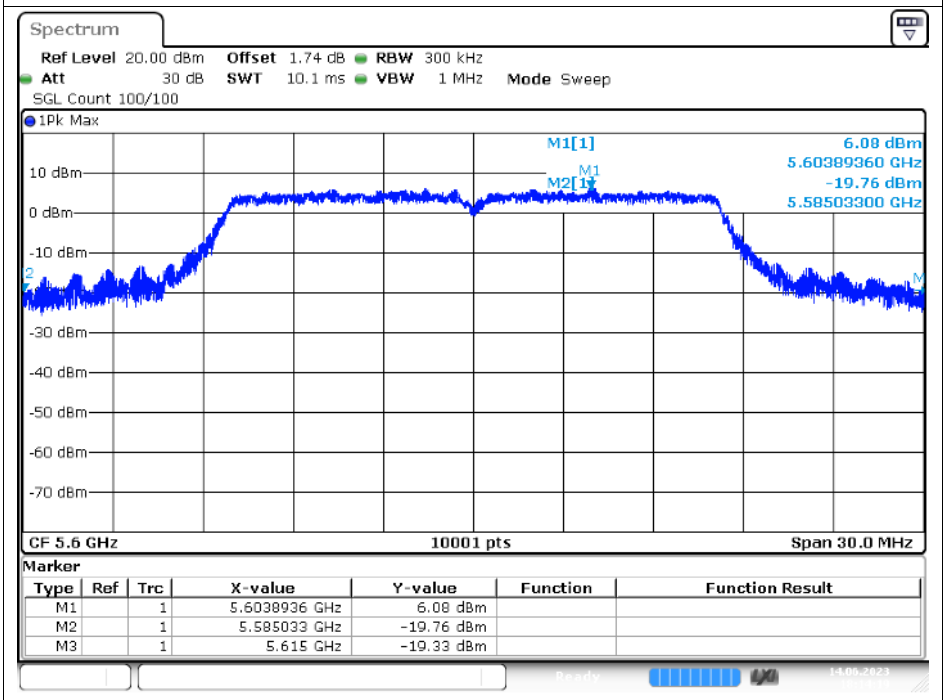
Date: 14.JUN.2023 17:00:20

Test Graphs
-26dB Bandwidth NVNT a 5500MHz Ant1



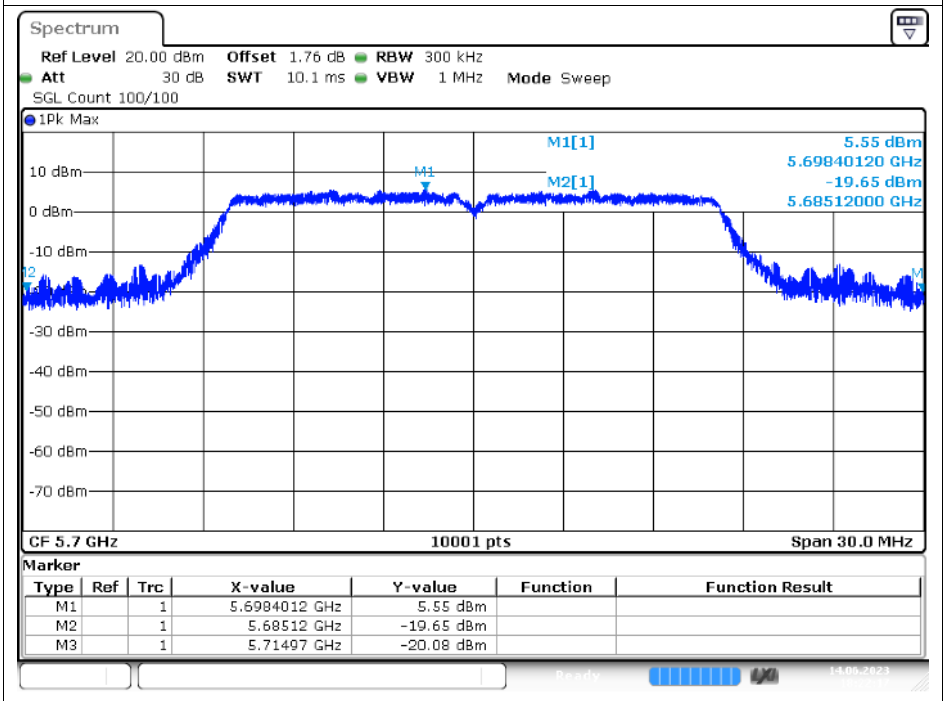
Date: 14.JUN.2023 18:01:00

-26dB Bandwidth NVNT a 5600MHz Ant1



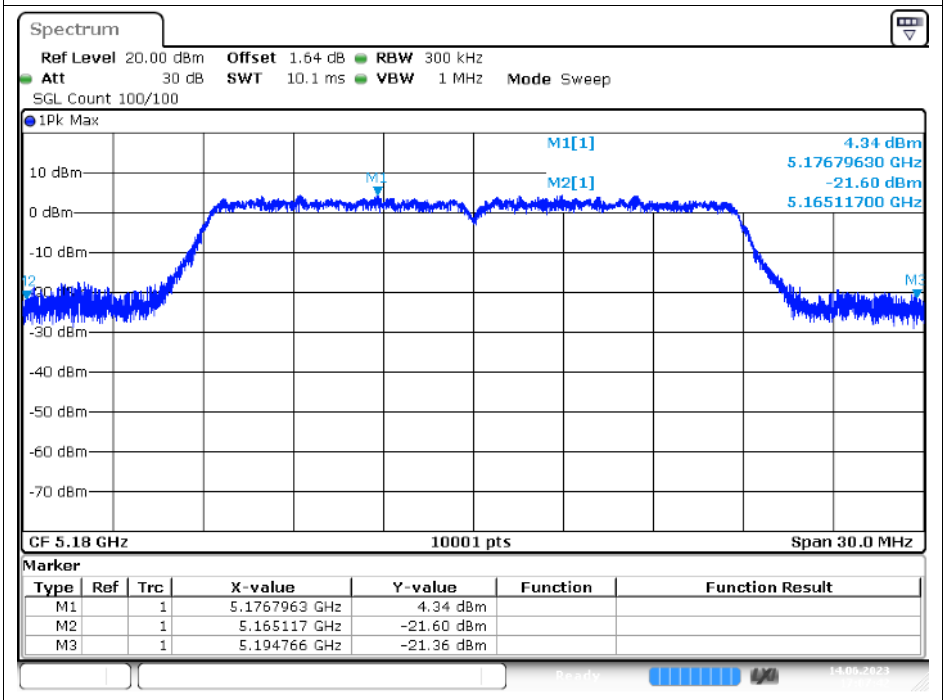
Date: 14.JUN.2023 18:14:20

-26dB Bandwidth NVNT a 5700MHz Ant1



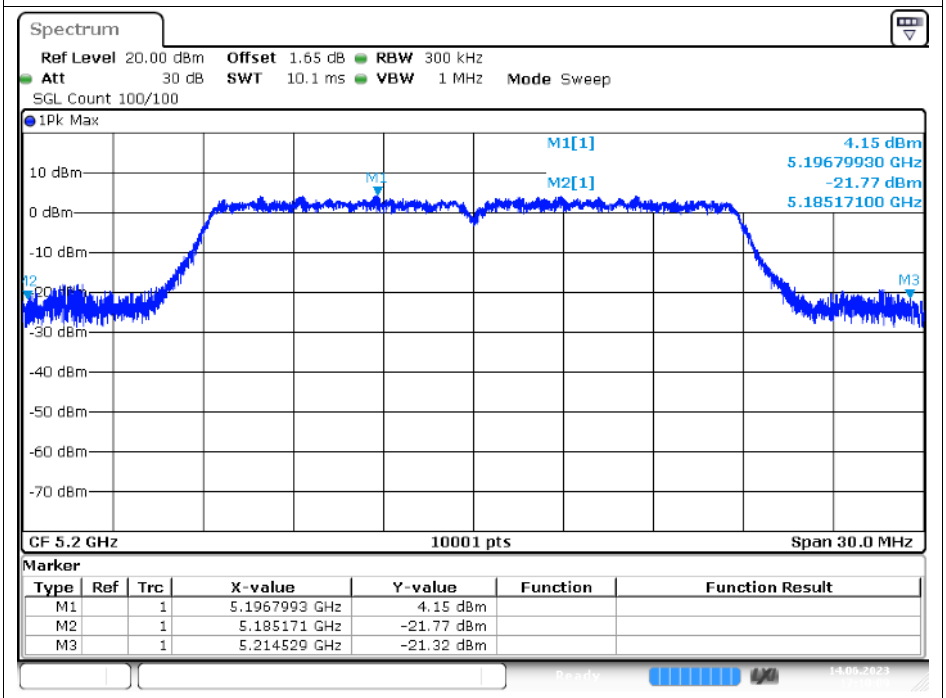
Date: 14.JUN.2023 18:22:18

-26dB Bandwidth NVNT n20 5180MHz Ant1



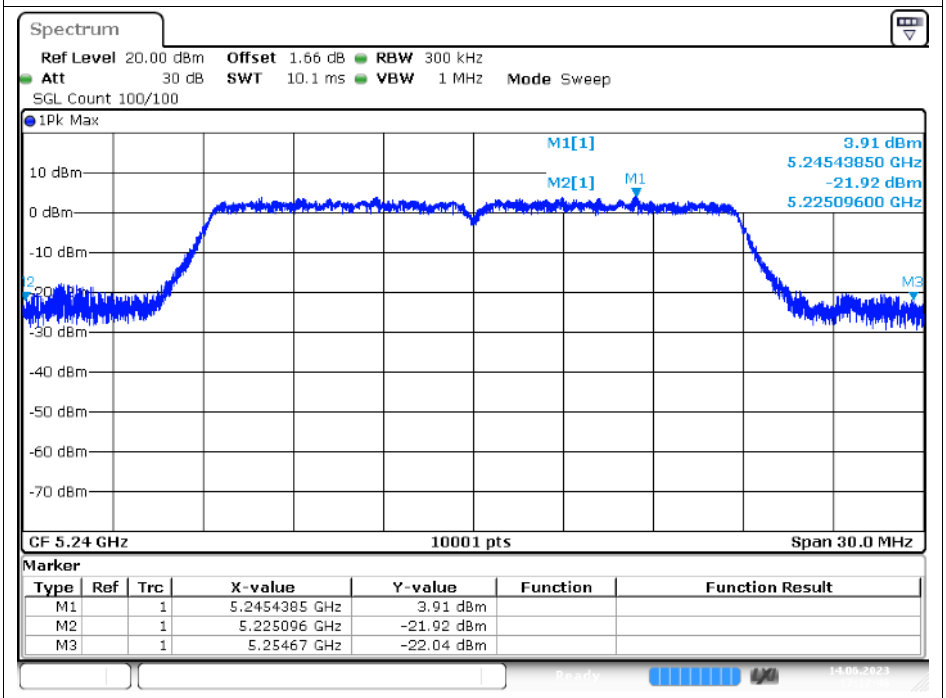
Date: 14.JUN.2023 17:07:41

-26dB Bandwidth NVNT n20 5200MHz Ant1



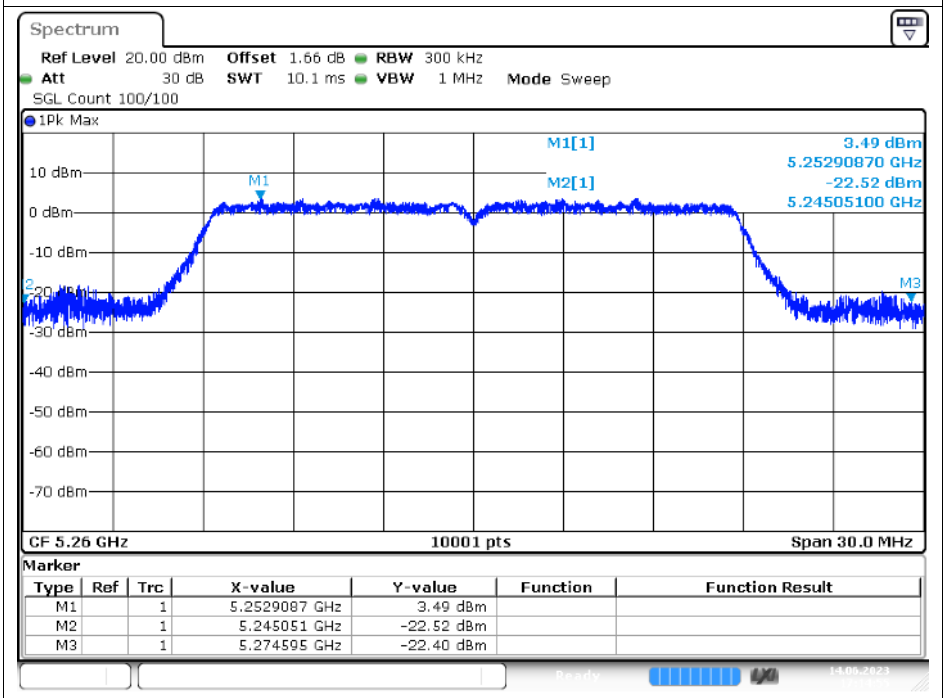
Date: 14.JUN.2023 17:10:09

-26dB Bandwidth NVNT n20 5240MHz Ant1



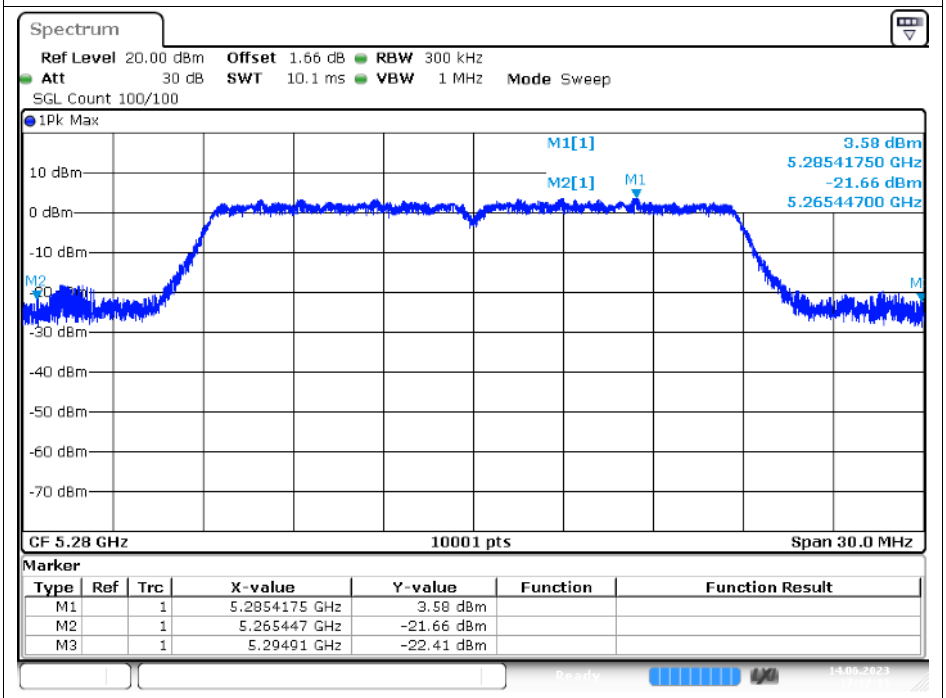
Date: 14.JUN.2023 17:12:47

-26dB Bandwidth NVNT n20 5260MHz Ant1



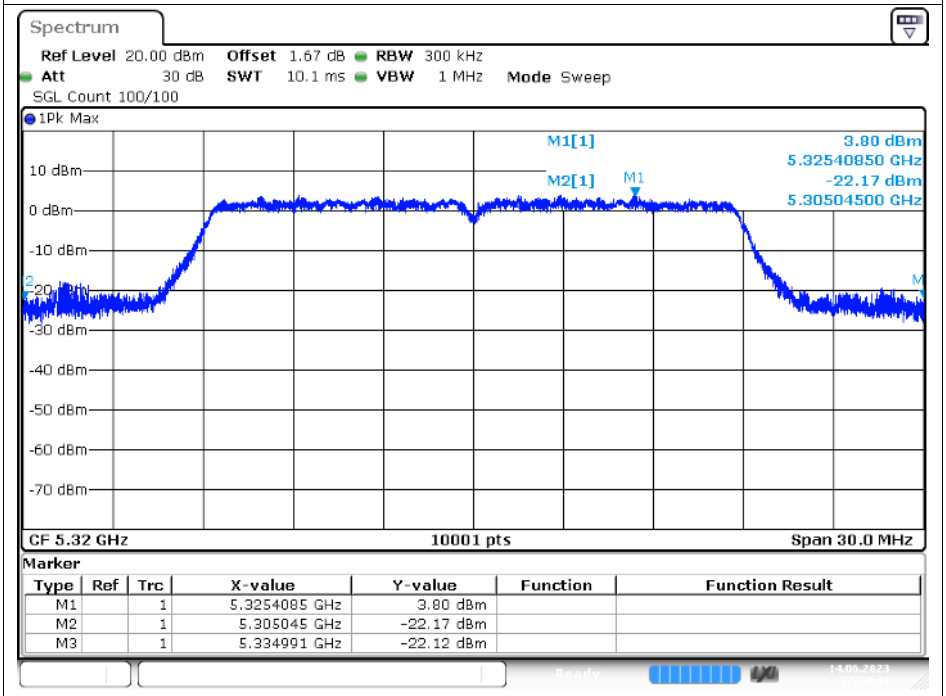
Date: 14.JUN.2023 17:14:55

-26dB Bandwidth NVNT n20 5280MHz Ant1



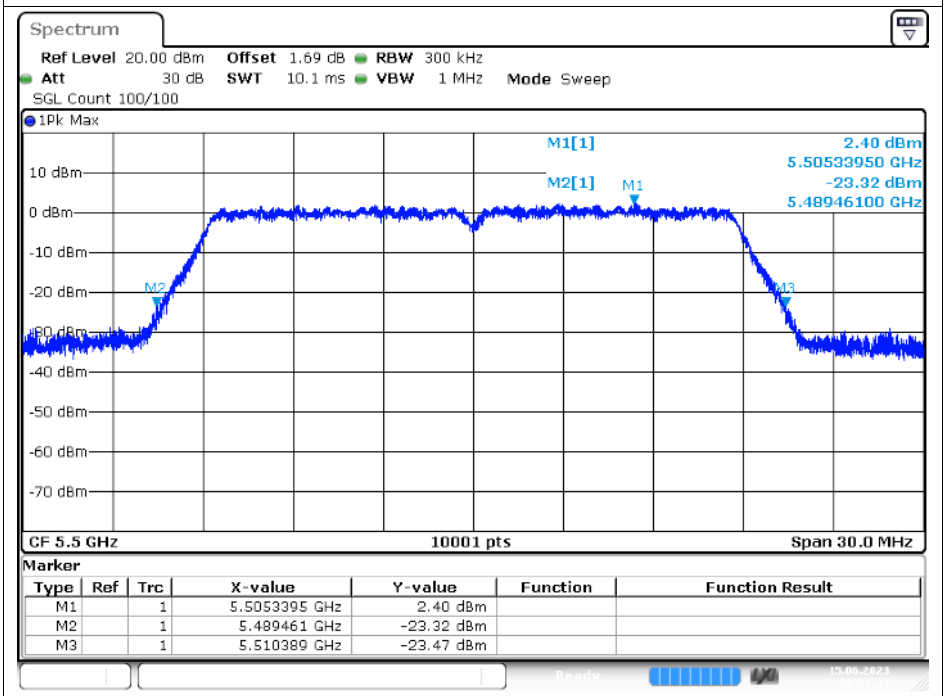
Date: 14.JUN.2023 17:17:13

-26dB Bandwidth NVNT n20 5320MHz Ant1



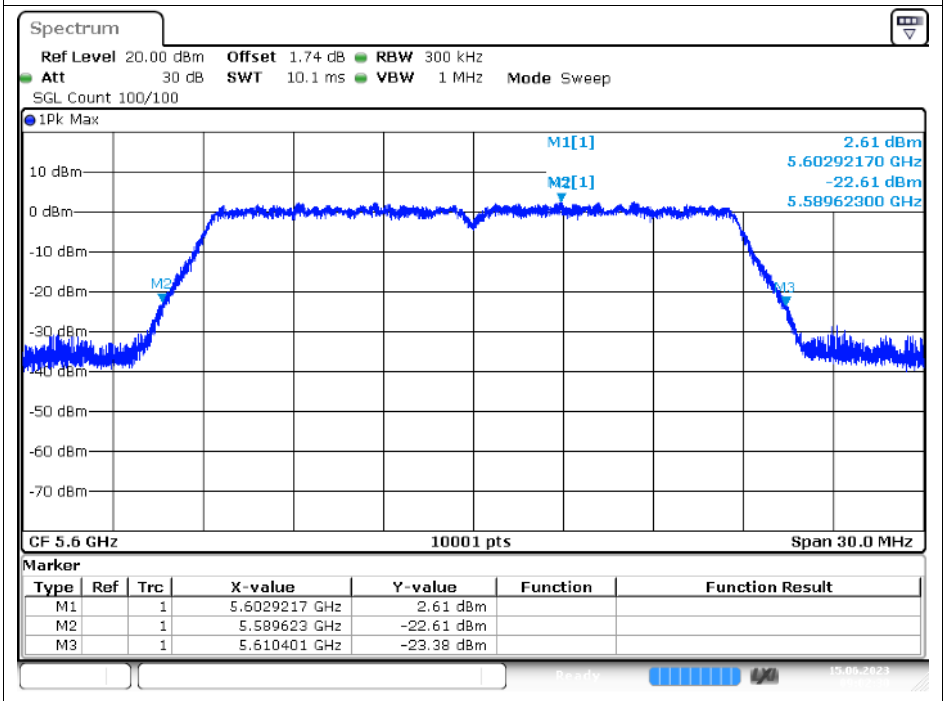
Date: 14.JUN.2023 17:20:49

-26dB Bandwidth NVNT n20 5500MHz Ant1



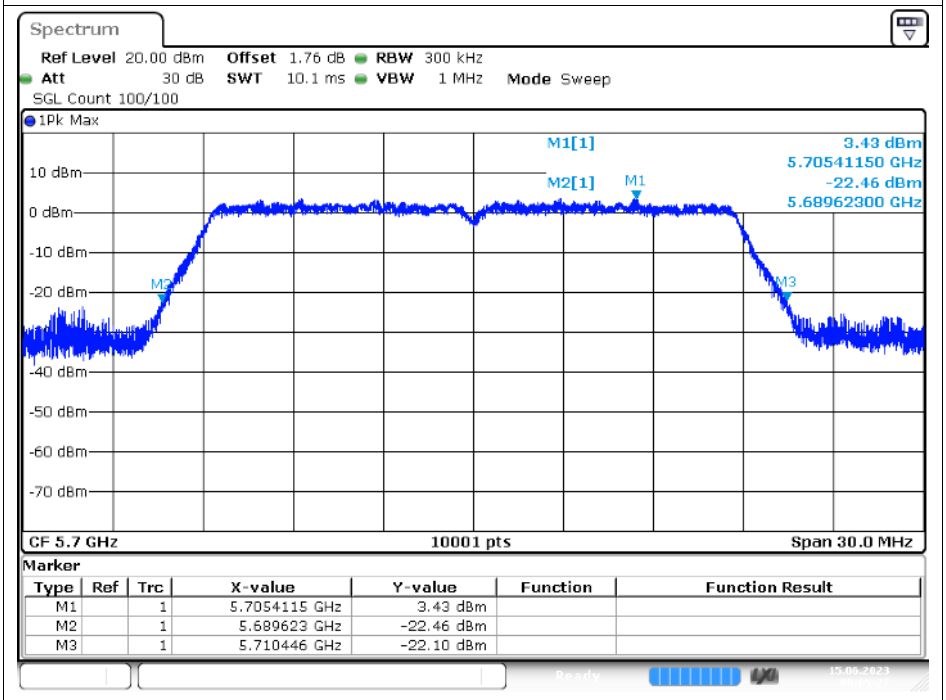
Date: 15.JUN.2023 08:57:27

-26dB Bandwidth NVNT n20 5600MHz Ant1



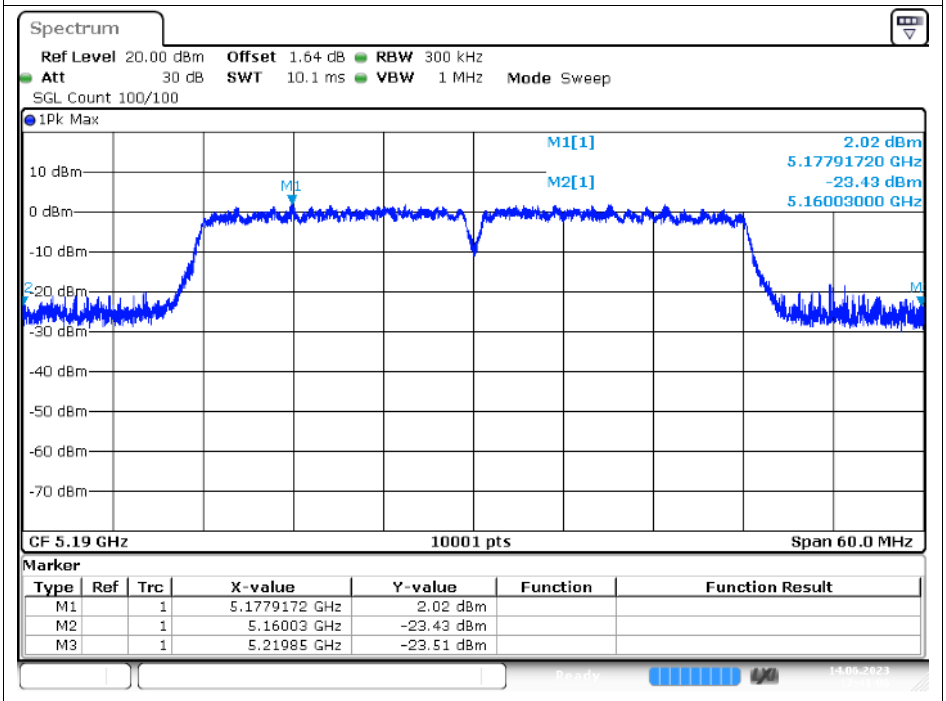
Date: 15.JUN.2023 09:02:30

-26dB Bandwidth NVNT n20 5700MHz Ant1



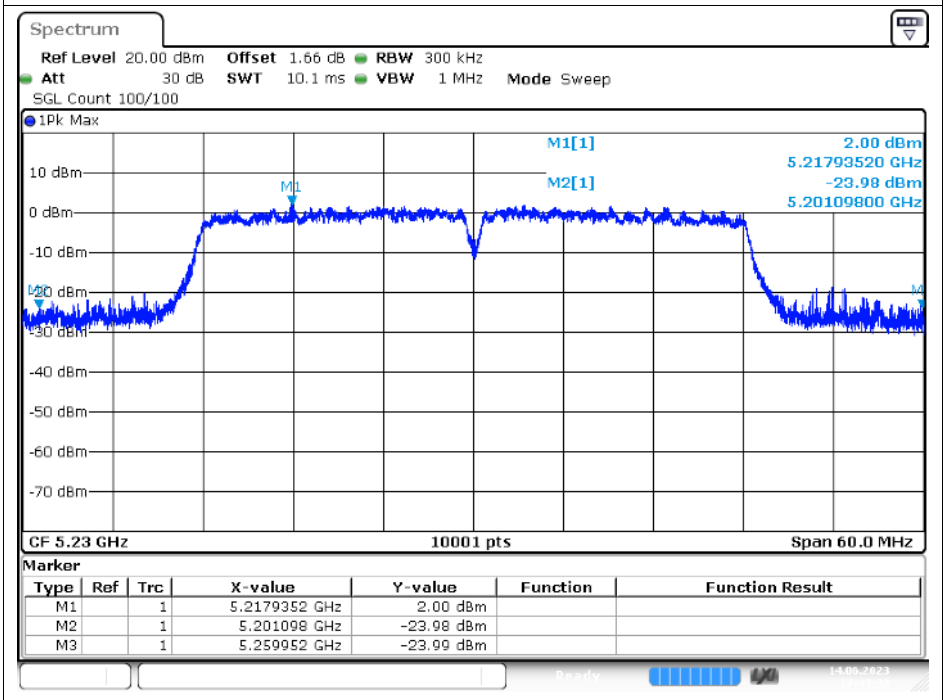
Date: 15.JUN.2023 09:05:26

-26dB Bandwidth NVNT n40 5190MHz Ant1



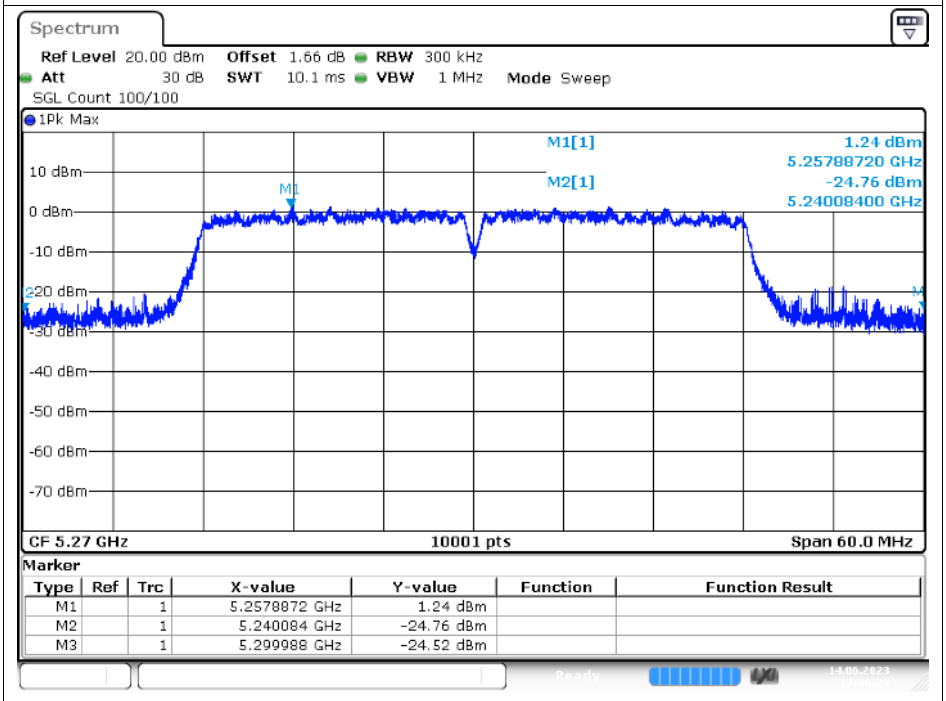
Date: 14.JUN.2023 17:41:06

-26dB Bandwidth NVNT n40 5230MHz Ant1



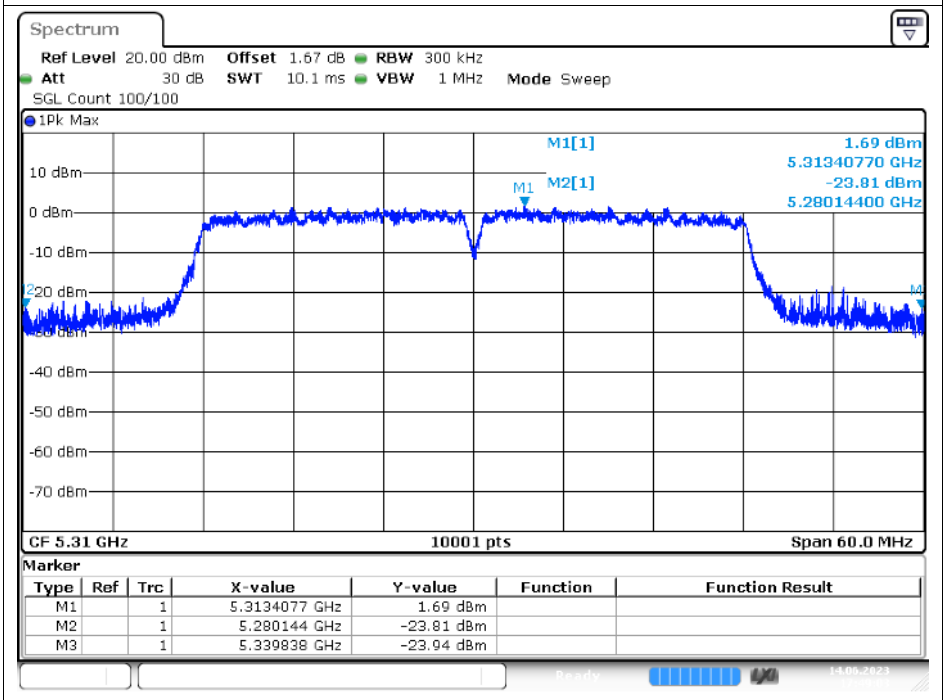
Date: 14.JUN.2023 17:43:33

-26dB Bandwidth NVNT n40 5270MHz Ant1



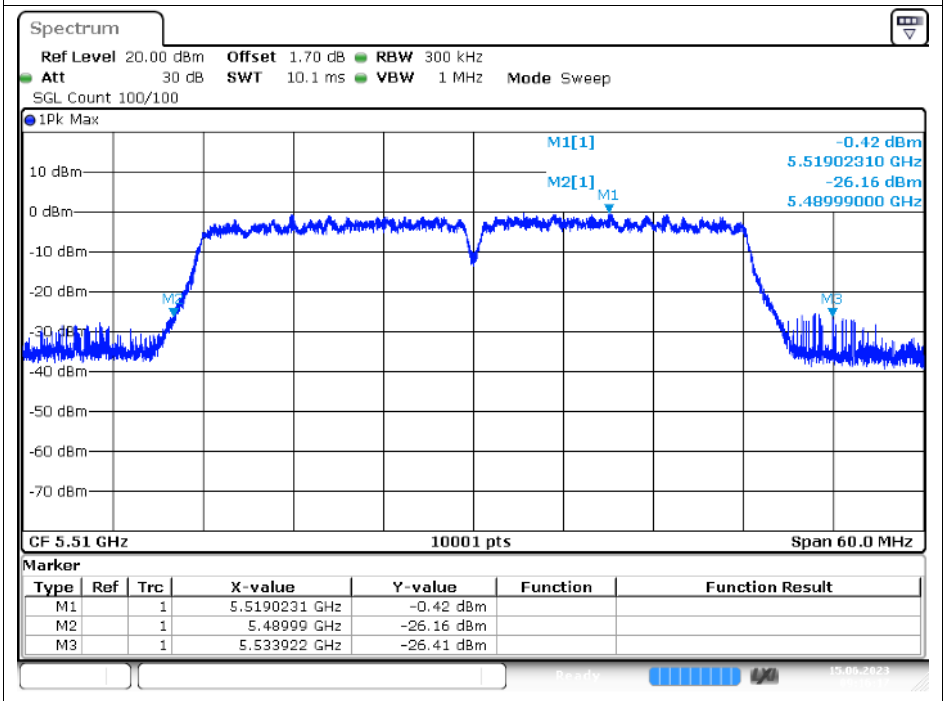
Date: 14.JUN.2023 17:46:28

-26dB Bandwidth NVNT n40 5310MHz Ant1



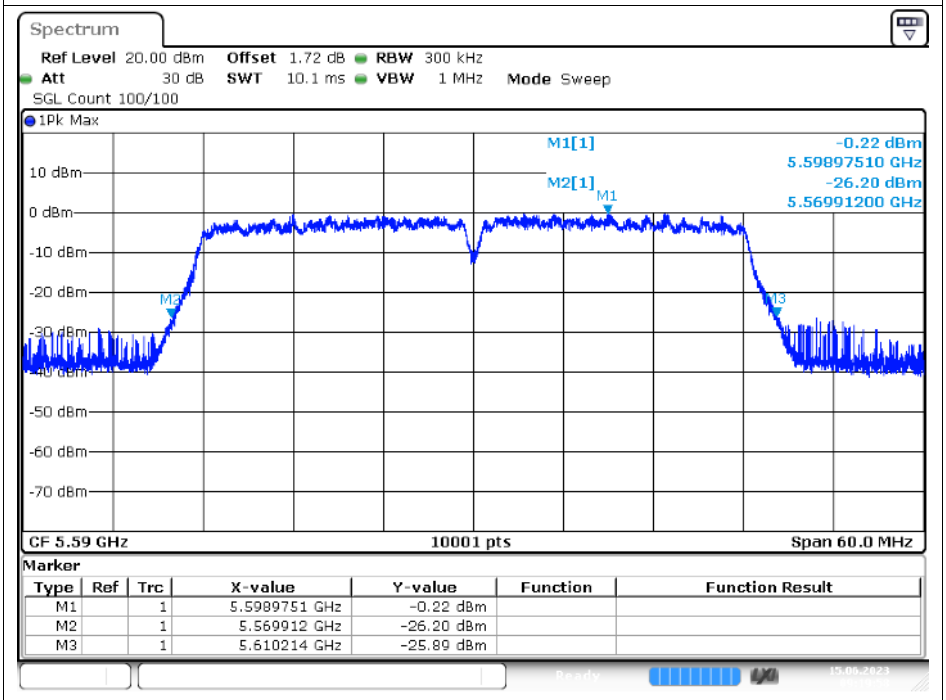
Date: 14.JUN.2023 17:49:03

-26dB Bandwidth NVNT n40 5510MHz Ant1



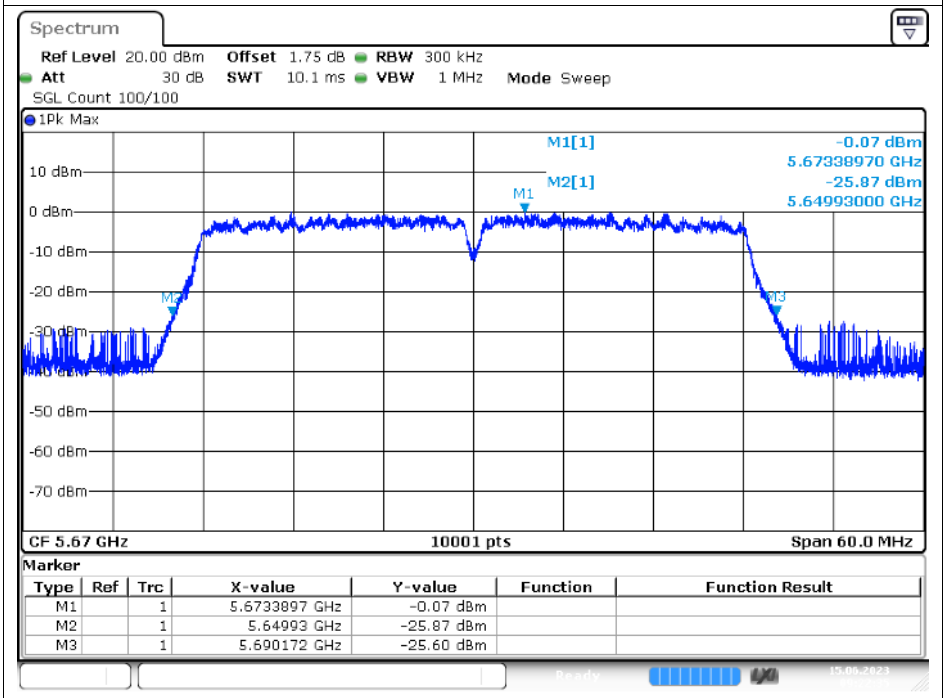
Date: 15.JUN.2023 09:16:16

-26dB Bandwidth NVNT n40 5590MHz Ant1



Date: 15.JUN.2023 09:19:58

-26dB Bandwidth NVNT n40 5670MHz Ant1

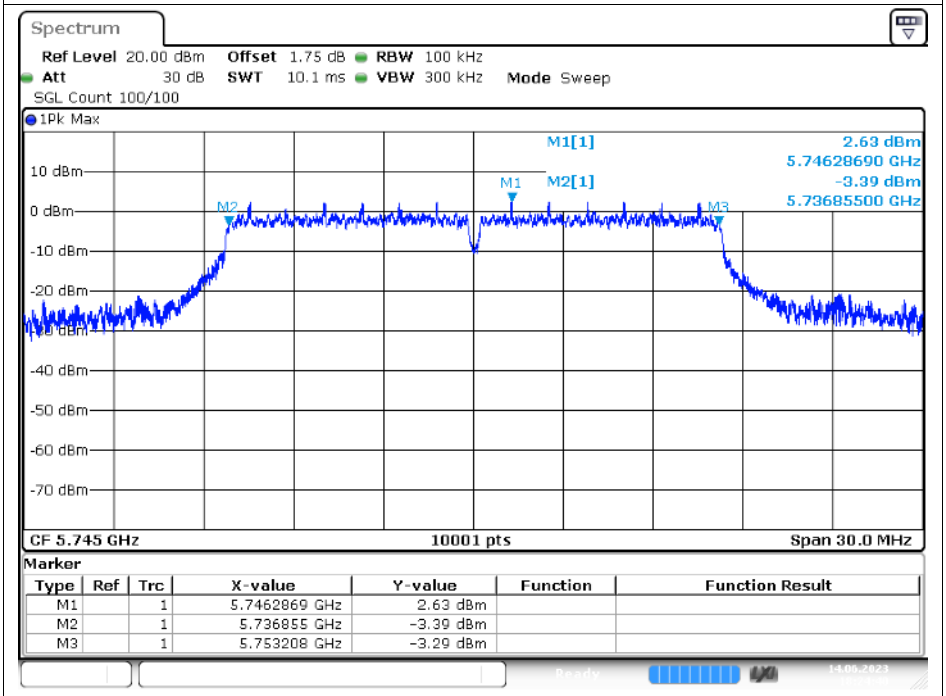


Date: 15.JUN.2023 09:22:35

-6dB Bandwidth

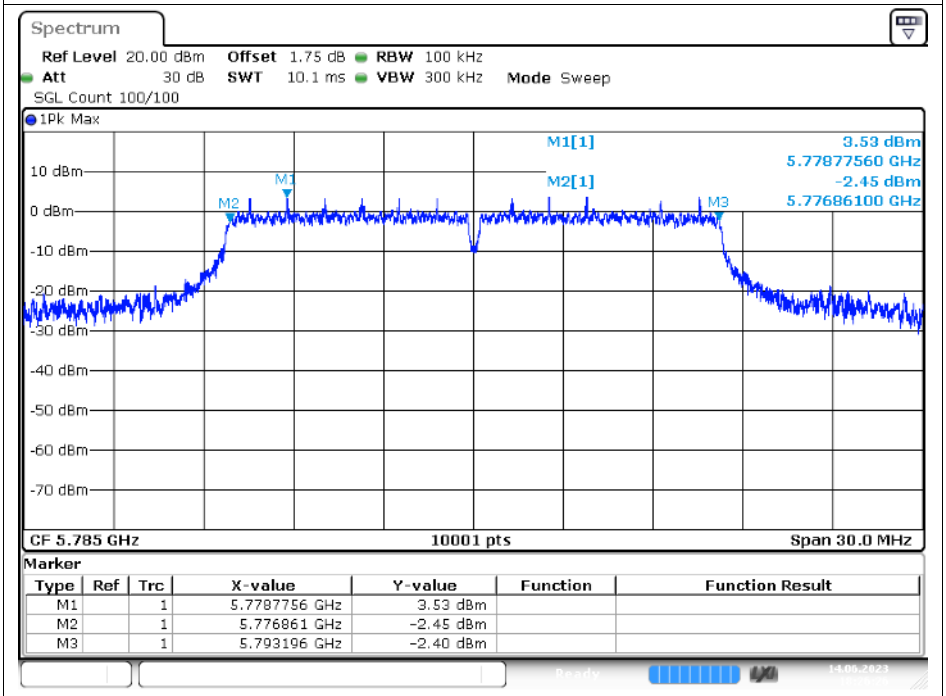
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.353	0.5	Pass
NVNT	a	5785	Ant1	16.335	0.5	Pass
NVNT	a	5825	Ant1	16.341	0.5	Pass
NVNT	n20	5745	Ant1	17.571	0.5	Pass
NVNT	n20	5785	Ant1	17.607	0.5	Pass
NVNT	n20	5825	Ant1	17.583	0.5	Pass
NVNT	n40	5755	Ant1	35.898	0.5	Pass
NVNT	n40	5795	Ant1	36.288	0.5	Pass

Test Graphs
-6dB Bandwidth NVNT a 5745MHz Ant1



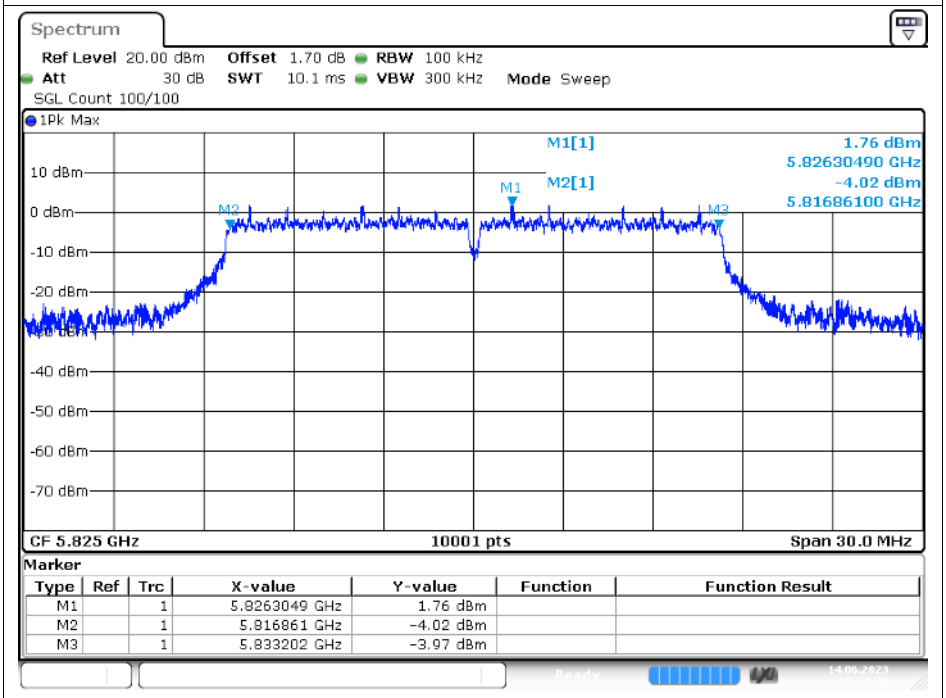
Date: 14.JUN.2023 18:24:41

-6dB Bandwidth NVNT a 5785MHz Ant1



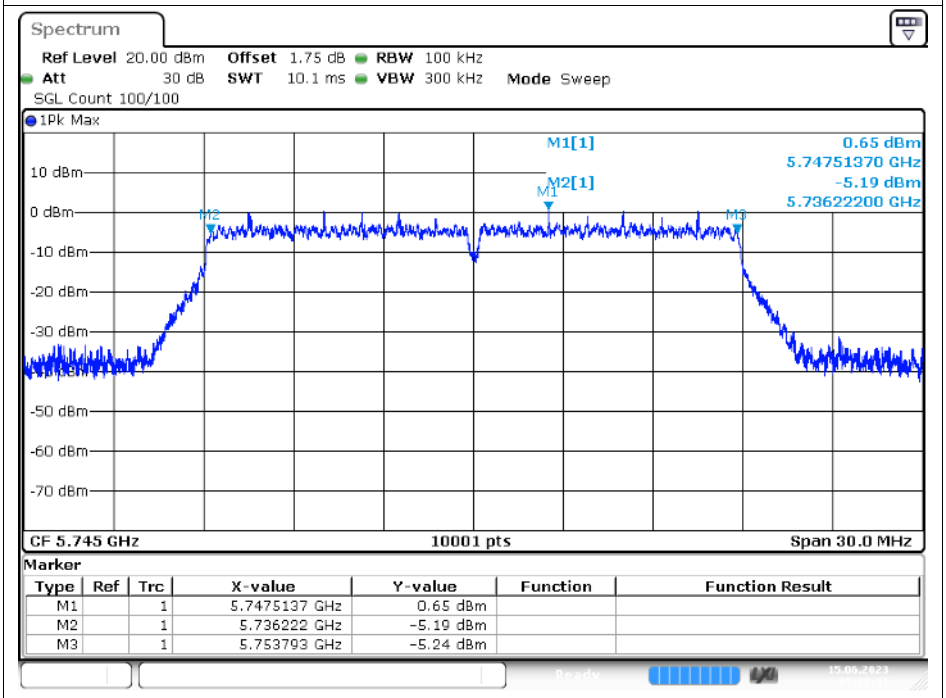
Date: 14.JUN.2023 18:26:27

-6dB Bandwidth NVNT a 5825MHz Ant1



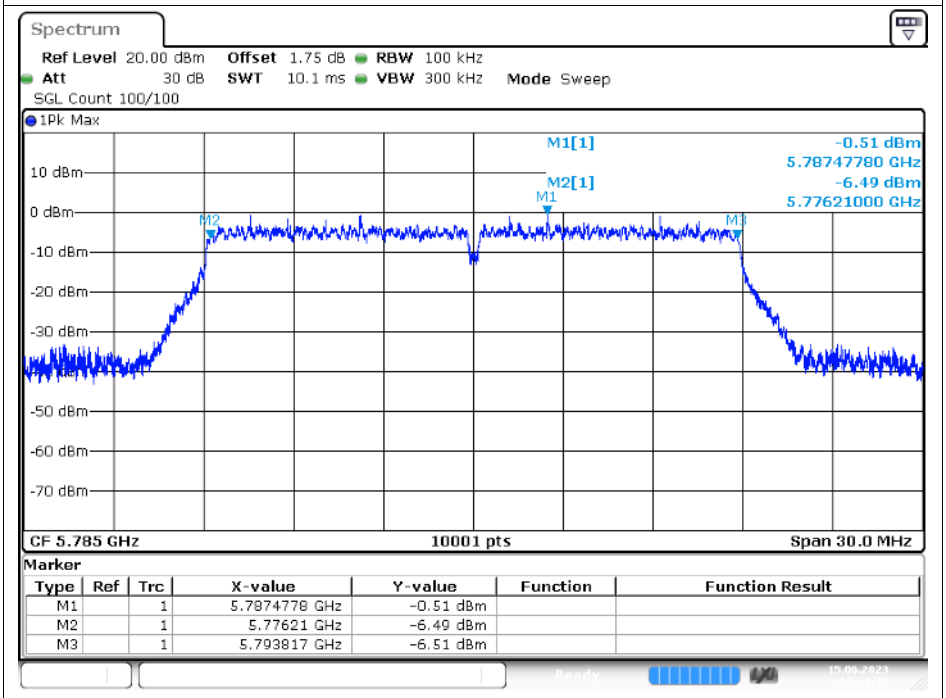
Date: 14.JUN.2023 18:28:49

-6dB Bandwidth NVNT n20 5745MHz Ant1



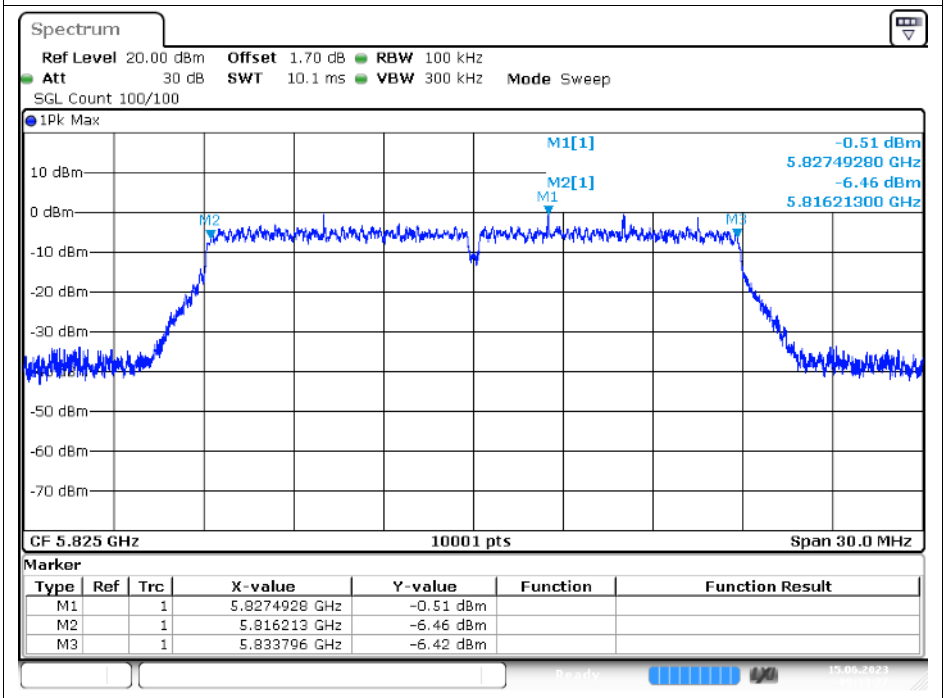
Date: 15.JUN.2023 09:08:42

-6dB Bandwidth NVNT n20 5785MHz Ant1



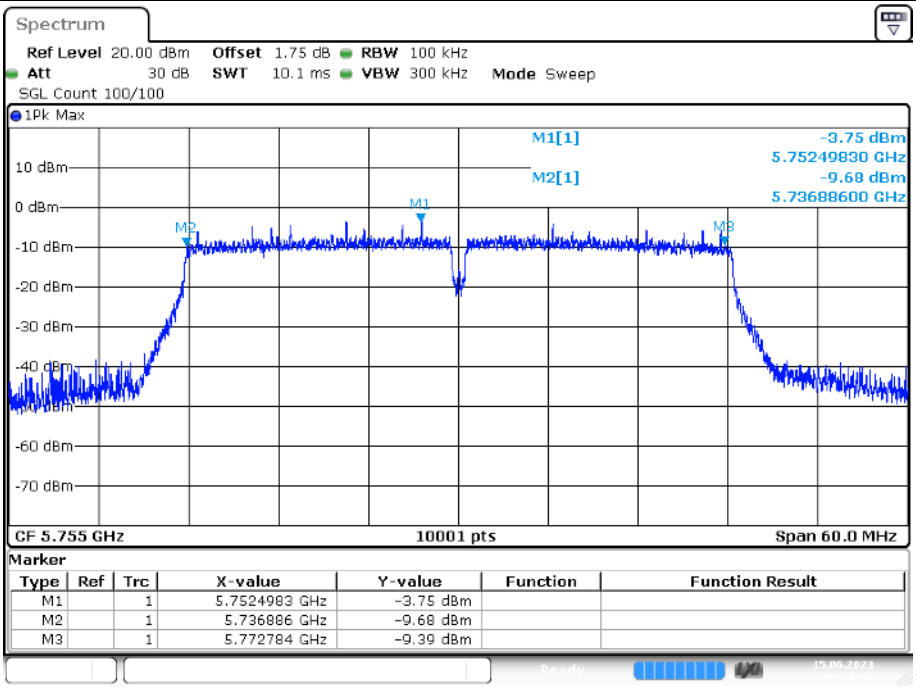
Date: 15.JUN.2023 09:11:15

-6dB Bandwidth NVNT n20 5825MHz Ant1



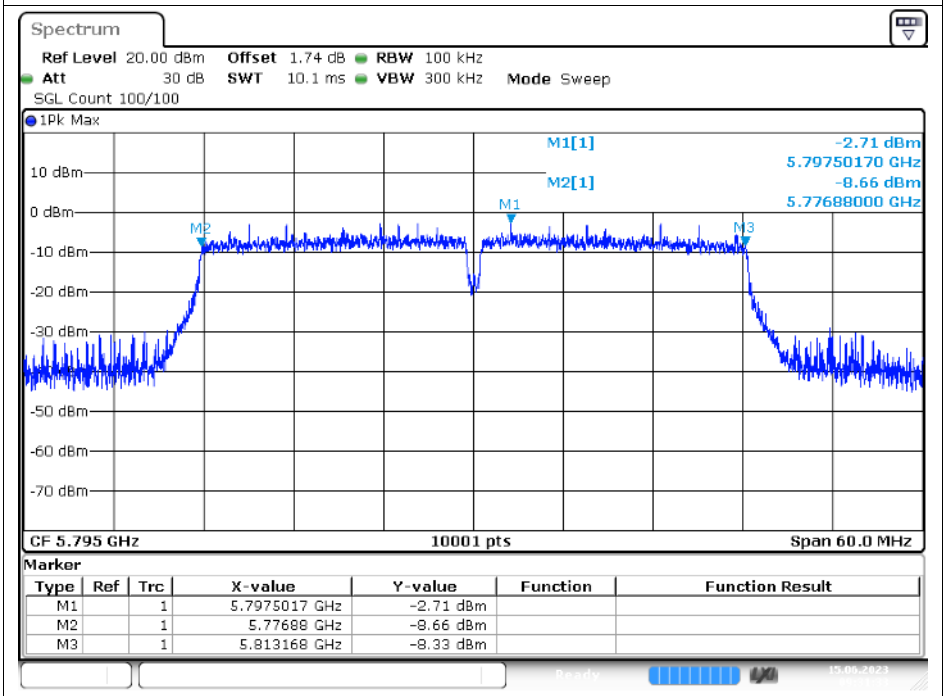
Date: 15.JUN.2023 09:13:28

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 15.JUN.2023 09:26:58

-6dB Bandwidth NVNT n40 5795MHz Ant1



Date: 15.JUN.2023 09:31:34

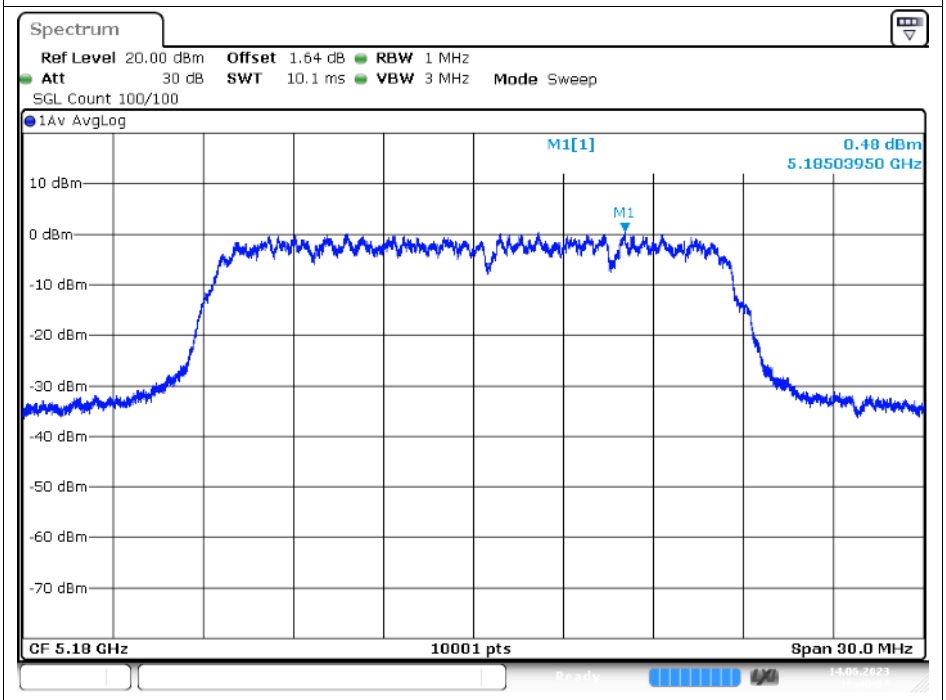
7.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	9.6	0.2	9.8	24	Pass
NVNT	a	5200	Ant1	9.88	0	9.88	24	Pass
NVNT	a	5240	Ant1	9.32	0	9.32	24	Pass
NVNT	a	5260	Ant1	10.81	0	10.81	24	Pass
NVNT	a	5280	Ant1	10.38	0	10.38	24	Pass
NVNT	a	5320	Ant1	9.1	0	9.1	24	Pass
NVNT	a	5500	Ant1	10.31	0.2	10.51	24	Pass
NVNT	a	5600	Ant1	11.21	0.2	11.41	24	Pass
NVNT	a	5700	Ant1	10.82	0.2	11.02	24	Pass
NVNT	a	5745	Ant1	10.73	0.2	10.93	30	Pass
NVNT	a	5785	Ant1	11.05	0.2	11.25	30	Pass
NVNT	a	5825	Ant1	10.08	0.2	10.28	30	Pass
NVNT	n20	5180	Ant1	11.13	0	11.13	24	Pass
NVNT	n20	5200	Ant1	11.19	0	11.19	24	Pass
NVNT	n20	5240	Ant1	11.04	0	11.04	24	Pass
NVNT	n20	5260	Ant1	10.59	0	10.59	24	Pass
NVNT	n20	5280	Ant1	10.47	0	10.47	24	Pass
NVNT	n20	5320	Ant1	10.41	0	10.41	24	Pass
NVNT	n20	5500	Ant1	9.14	0	9.14	24	Pass
NVNT	n20	5600	Ant1	9.42	0	9.42	24	Pass
NVNT	n20	5700	Ant1	10.03	0	10.03	24	Pass
NVNT	n20	5745	Ant1	9.88	0	9.88	30	Pass
NVNT	n20	5785	Ant1	9.52	0	9.52	30	Pass
NVNT	n20	5825	Ant1	9.39	0	9.39	30	Pass
NVNT	n40	5190	Ant1	11.37	0.11	11.48	24	Pass
NVNT	n40	5230	Ant1	11.11	0	11.11	24	Pass
NVNT	n40	5270	Ant1	10.51	0.11	10.62	24	Pass
NVNT	n40	5310	Ant1	10.91	0.11	11.02	24	Pass
NVNT	n40	5510	Ant1	8.56	0.11	8.67	24	Pass
NVNT	n40	5590	Ant1	8.96	0.11	9.07	24	Pass
NVNT	n40	5670	Ant1	9.36	0.11	9.47	24	Pass
NVNT	n40	5755	Ant1	8.12	0.12	8.24	30	Pass
NVNT	n40	5795	Ant1	9.55	0.12	9.67	30	Pass

7.3 Maximum Power Spectral Density Level

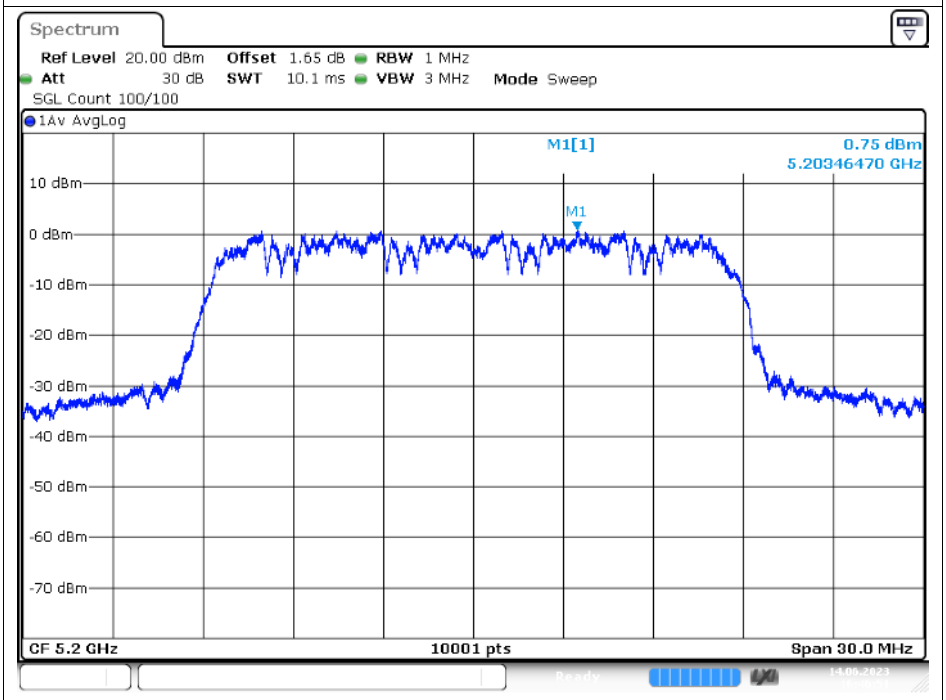
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.48	0.2	0.68	11	Pass
NVNT	a	5200	Ant1	0.75	0.2	0.95	11	Pass
NVNT	a	5240	Ant1	0.57	0.2	0.77	11	Pass
NVNT	a	5260	Ant1	1.44	0.2	1.64	11	Pass
NVNT	a	5280	Ant1	1.86	0.2	2.06	11	Pass
NVNT	a	5320	Ant1	-0.28	0.2	-0.08	11	Pass
NVNT	a	5500	Ant1	0.87	0.2	1.07	11	Pass
NVNT	a	5600	Ant1	2.15	0.2	2.35	11	Pass
NVNT	a	5700	Ant1	2.02	0.2	2.22	11	Pass
NVNT	a	5745	Ant1	-0.94	0.2	-0.74	30	Pass
NVNT	a	5785	Ant1	-0.45	0.2	-0.25	30	Pass
NVNT	a	5825	Ant1	-2.38	0.2	-2.18	30	Pass
NVNT	n20	5180	Ant1	0.63	0	0.63	11	Pass
NVNT	n20	5200	Ant1	0.54	0	0.54	11	Pass
NVNT	n20	5240	Ant1	0.46	0	0.46	11	Pass
NVNT	n20	5260	Ant1	0.16	0	0.16	11	Pass
NVNT	n20	5280	Ant1	0.1	0	0.1	11	Pass
NVNT	n20	5320	Ant1	0.16	0	0.16	11	Pass
NVNT	n20	5500	Ant1	-1.35	0	-1.35	11	Pass
NVNT	n20	5600	Ant1	-1.03	0	-1.03	11	Pass
NVNT	n20	5700	Ant1	-0.17	0	-0.17	11	Pass
NVNT	n20	5745	Ant1	-3.26	0	-3.26	30	Pass
NVNT	n20	5785	Ant1	-3.81	0	-3.81	30	Pass
NVNT	n20	5825	Ant1	-4.22	0	-4.22	30	Pass
NVNT	n40	5190	Ant1	-1.43	0.11	-1.32	11	Pass
NVNT	n40	5230	Ant1	-1.78	0.11	-1.67	11	Pass
NVNT	n40	5270	Ant1	-2.43	0.11	-2.32	11	Pass
NVNT	n40	5310	Ant1	-1.87	0.11	-1.76	11	Pass
NVNT	n40	5510	Ant1	-4.08	0.11	-3.97	11	Pass
NVNT	n40	5590	Ant1	-3.89	0.11	-3.78	11	Pass
NVNT	n40	5670	Ant1	-3.88	0.11	-3.77	11	Pass
NVNT	n40	5755	Ant1	-7.92	0.12	-7.8	30	Pass
NVNT	n40	5795	Ant1	-6.32	0.12	-6.2	30	Pass

Test Graphs
PSD NVNT a 5180MHz Ant1



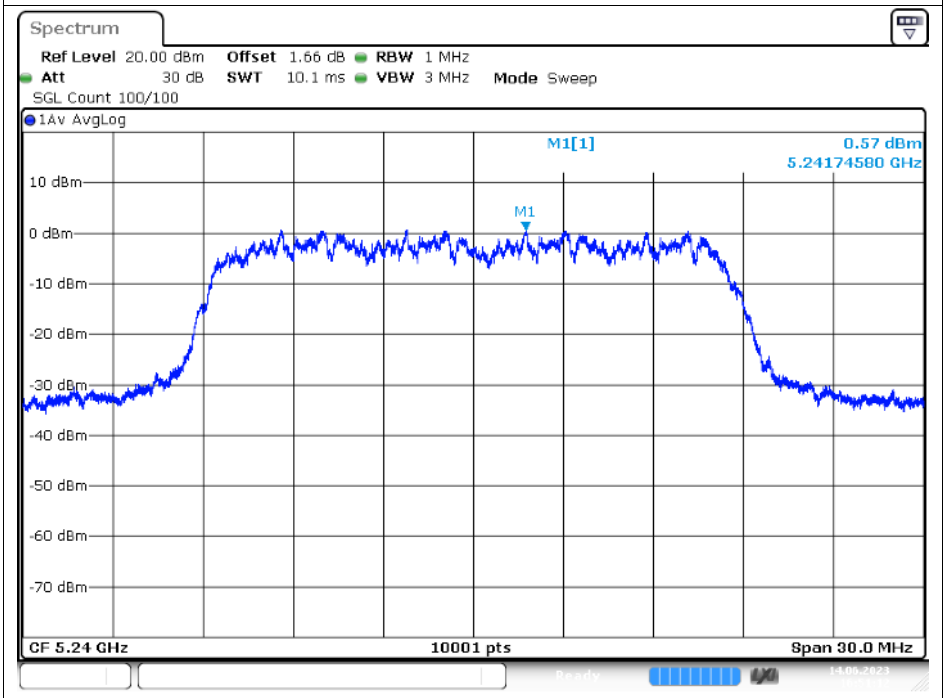
Date: 14.JUN.2023 16:40:38

PSD NVNT a 5200MHz Ant1



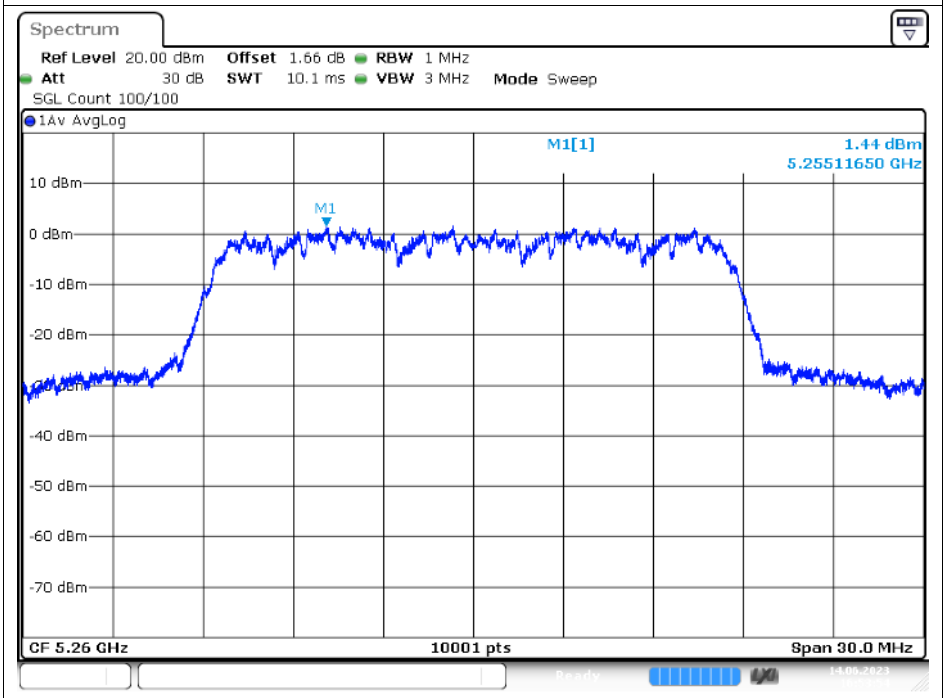
Date: 14.JUN.2023 16:46:51

PSD NVNT a 5240MHz Ant1



Date: 14.JUN.2023 16:51:12

PSD NVNT a 5260MHz Ant1



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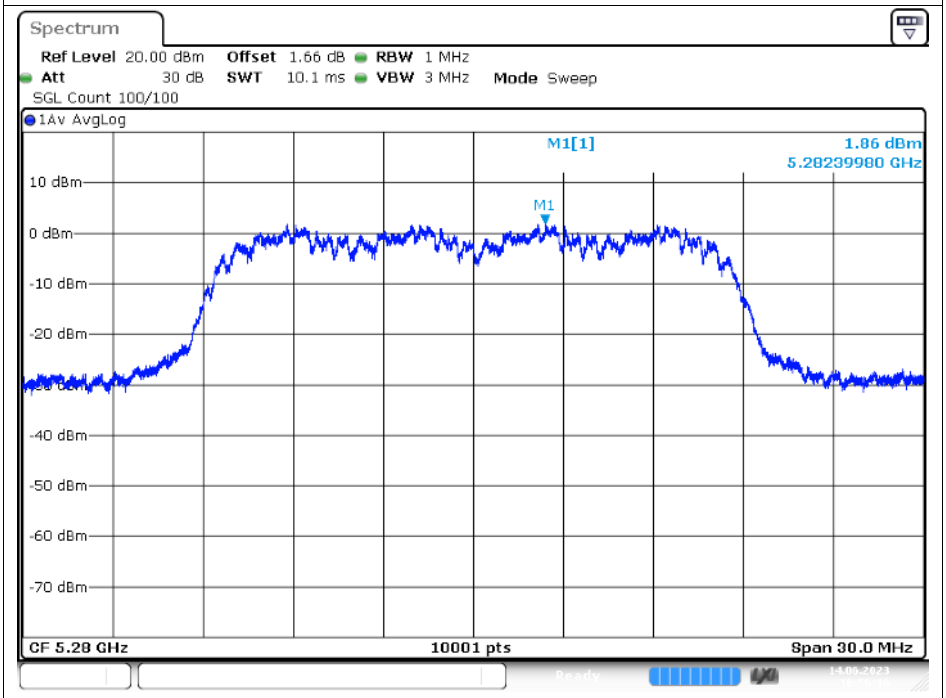
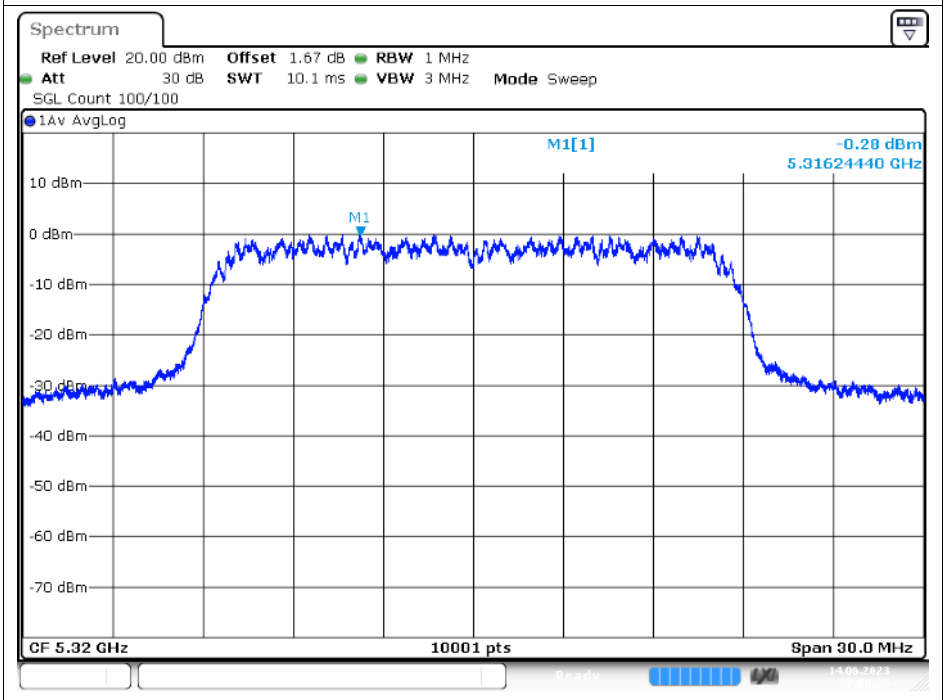
PSD NVNT a 5280MHz Ant1



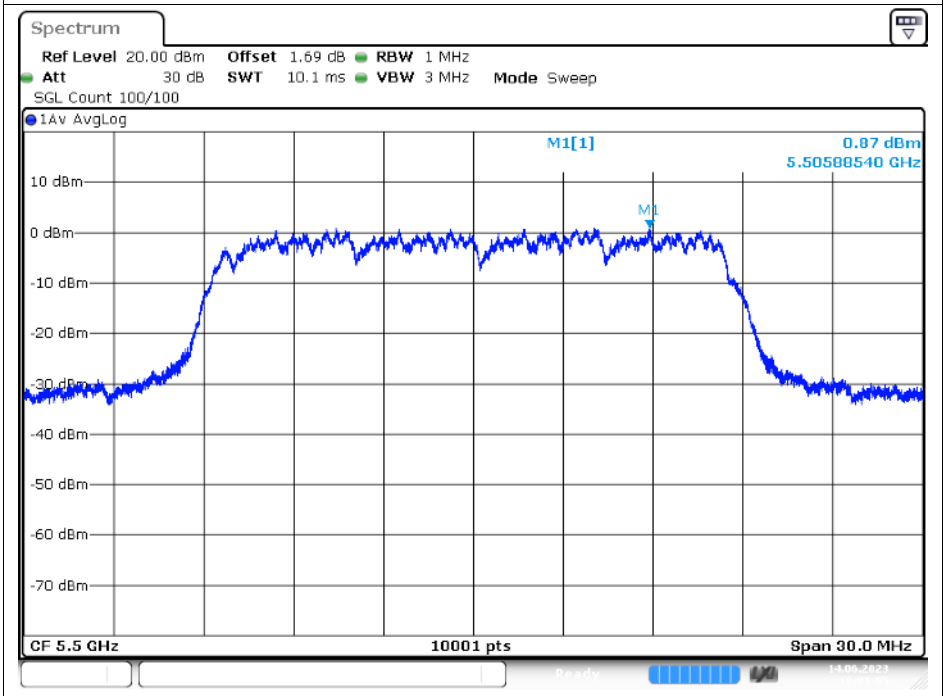
Date: 14.JUN.2023 16:56:16

PSD NVNT a 5320MHz Ant1



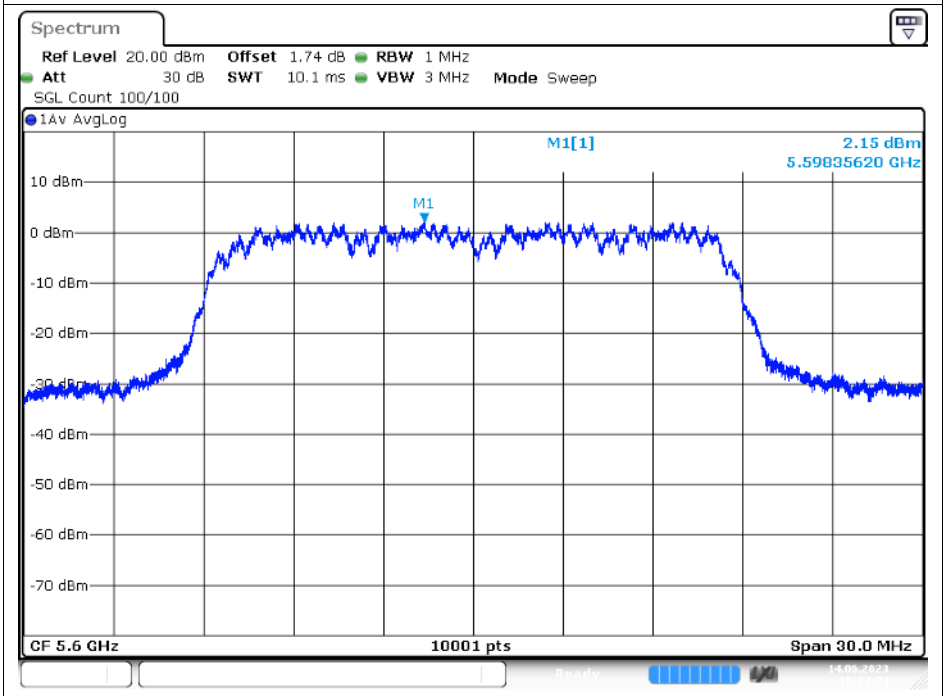
Date: 14.JUN.2023 17:00:25

Test Graphs
PSD NVNT a 5500MHz Ant1



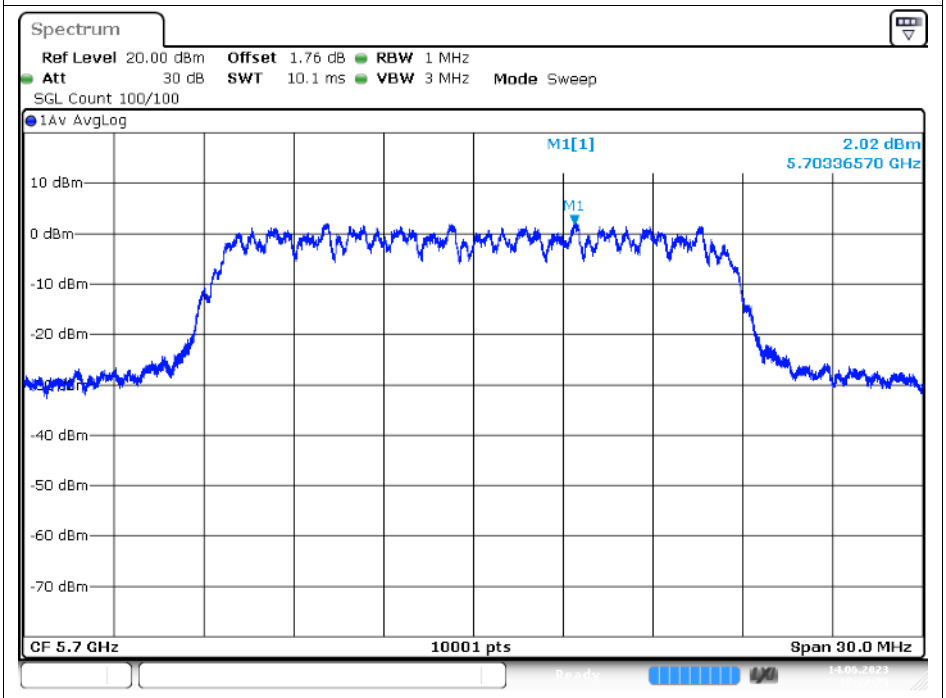
Date: 14.JUN.2023 18:01:05

PSD NVNT a 5600MHz Ant1



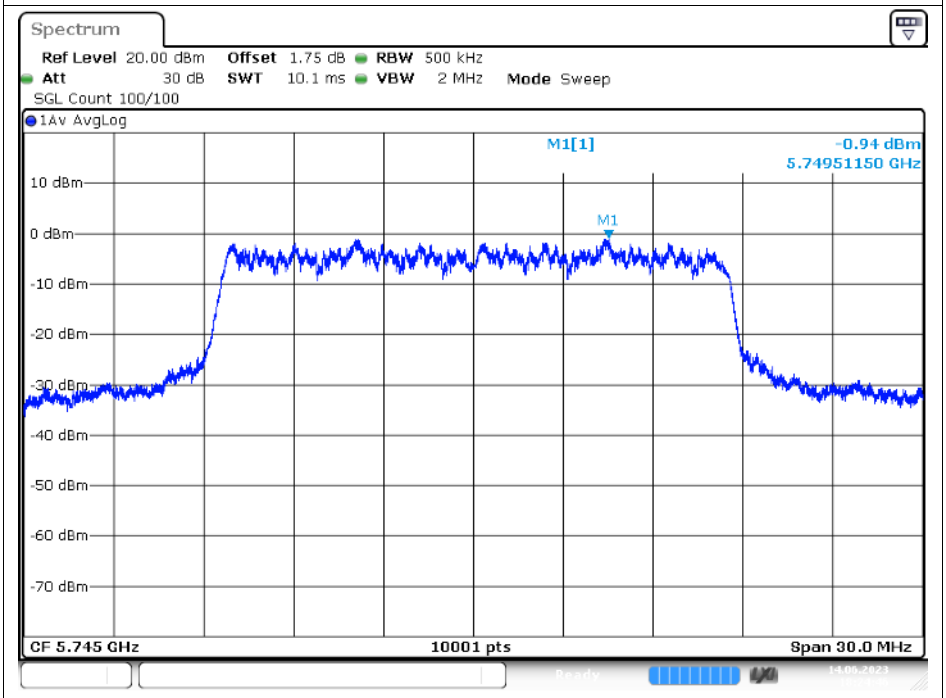
Date: 14.JUN.2023 18:14:25

PSD NVNT a 5700MHz Ant1



Date: 14.JUN.2023 18:22:23

PSD NVNT a 5745MHz Ant1



Date: 14.JUN.2023 18:24:46

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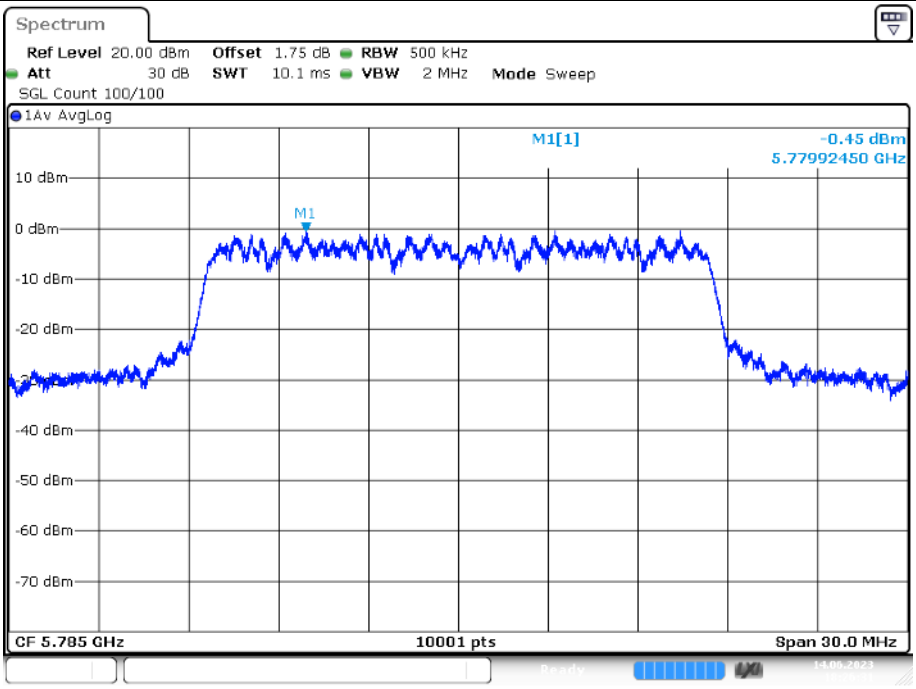
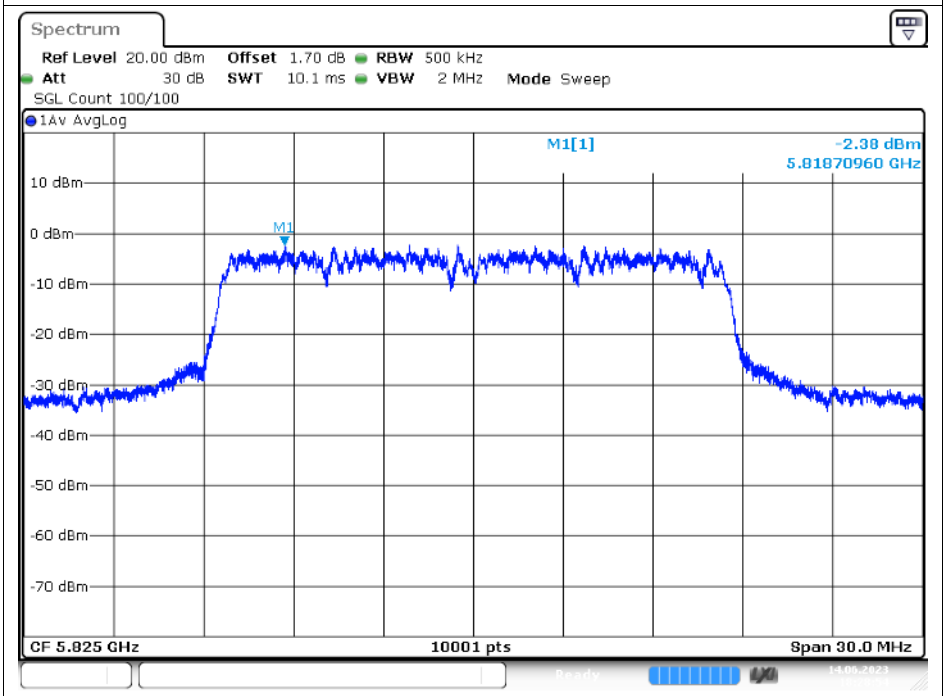


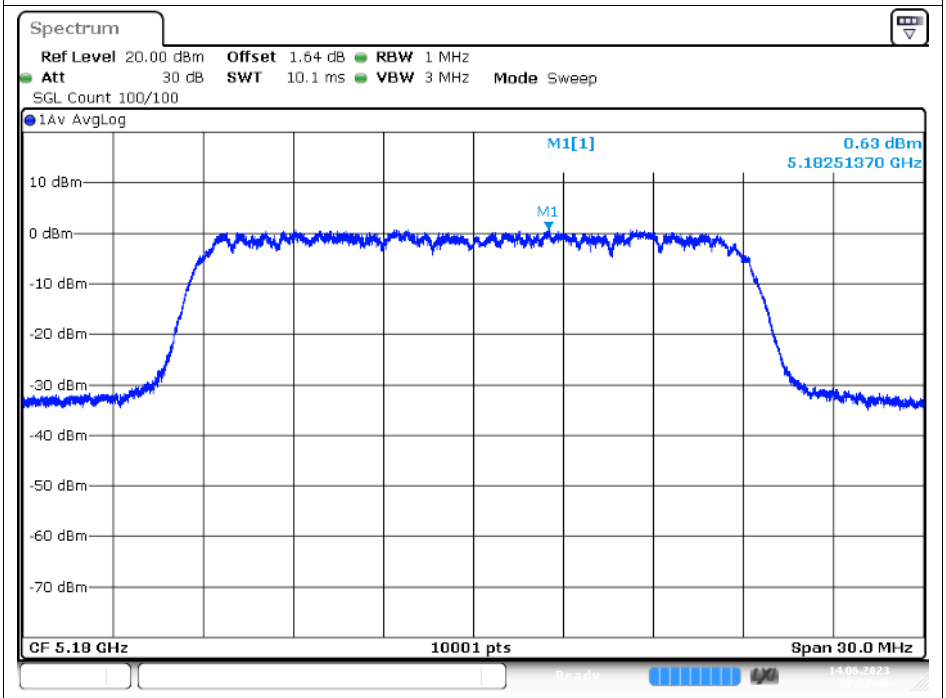
Date: 14.JUN.2023 18:26:31

PSD NVNT a 5825MHz Ant1



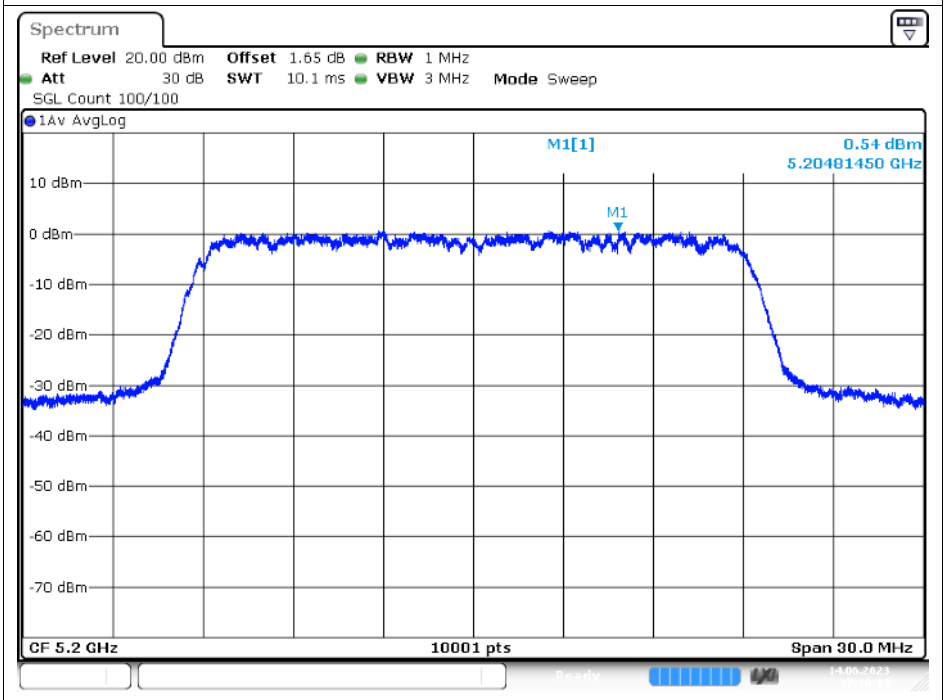
Date: 14.JUN.2023 18:28:54

PSD NVNT n20 5180MHz Ant1



Date: 14.JUN.2023 17:07:46

PSD NVNT n20 5200MHz Ant1



Date: 14.JUN.2023 17:10:13

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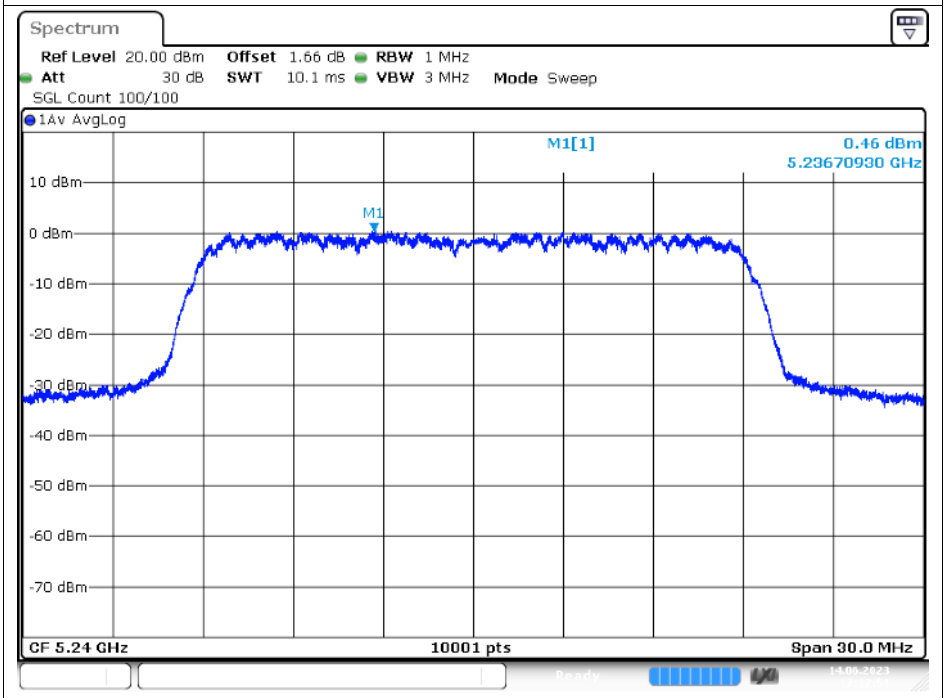

Date: 14.JUN.2023 17:12:51

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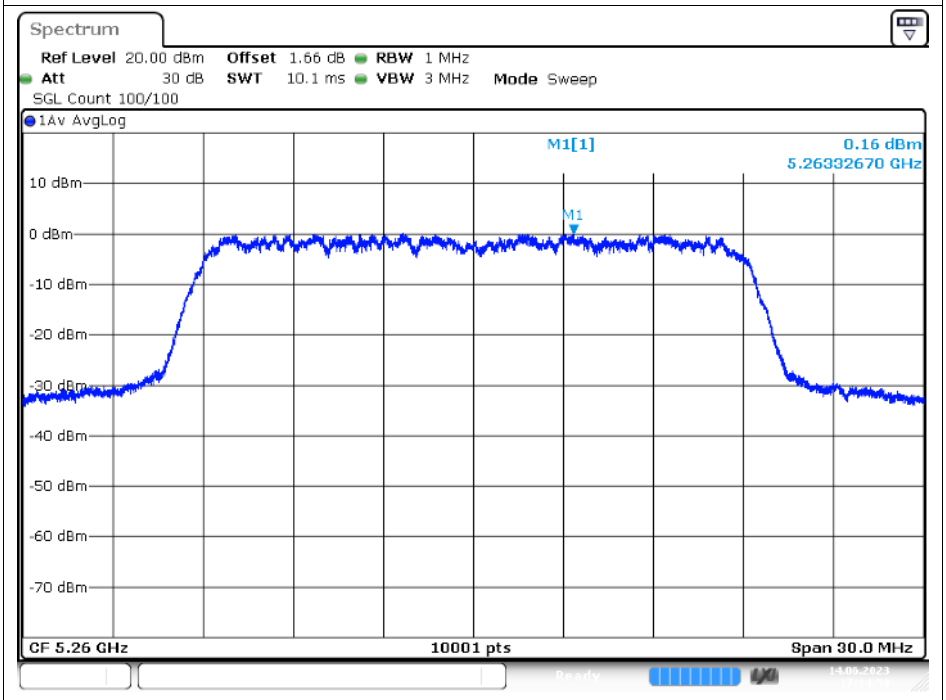

Date: 14.JUN.2023 17:14:59

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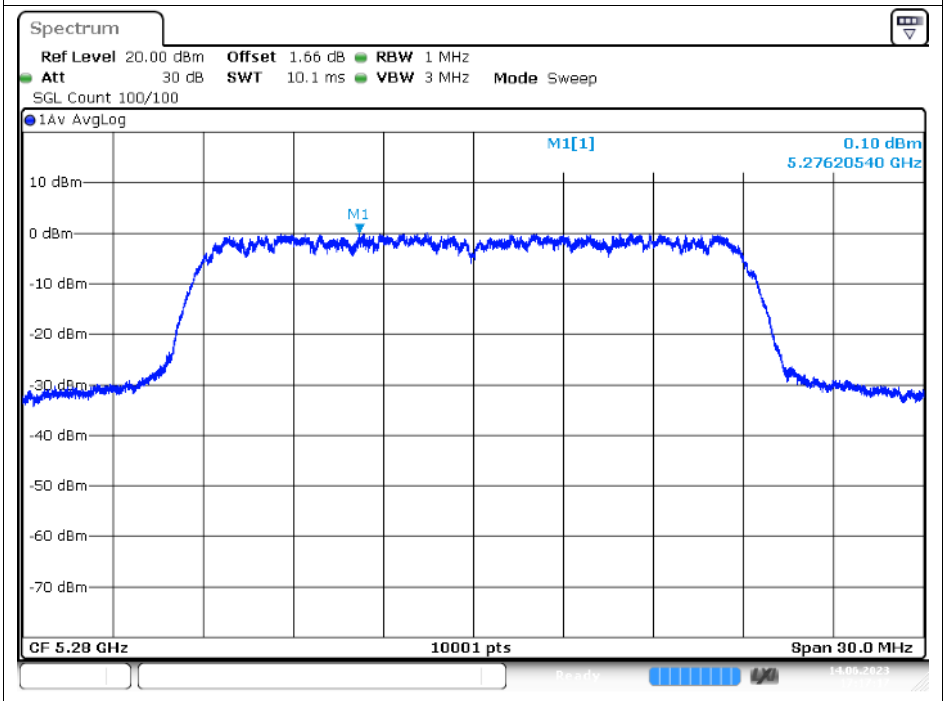
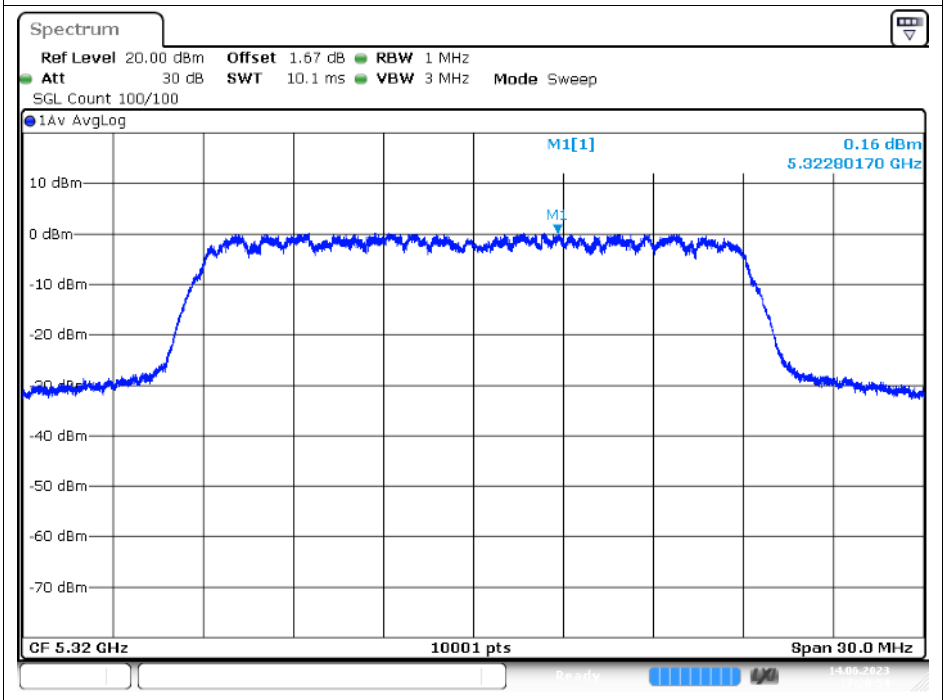


Date: 14.JUN.2023 17:17:17

PSD NVNT n20 5320MHz Ant1



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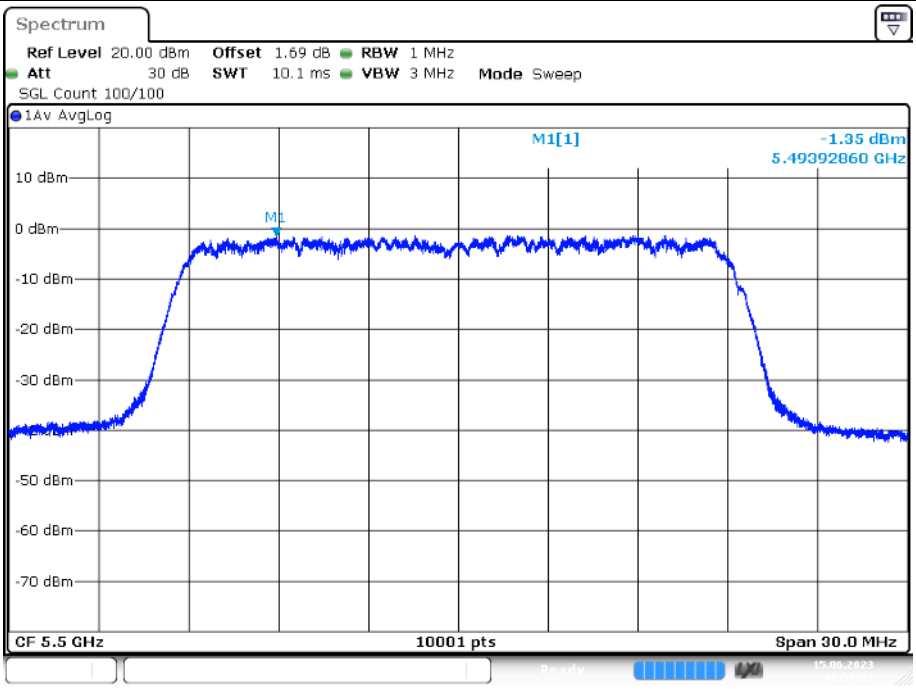
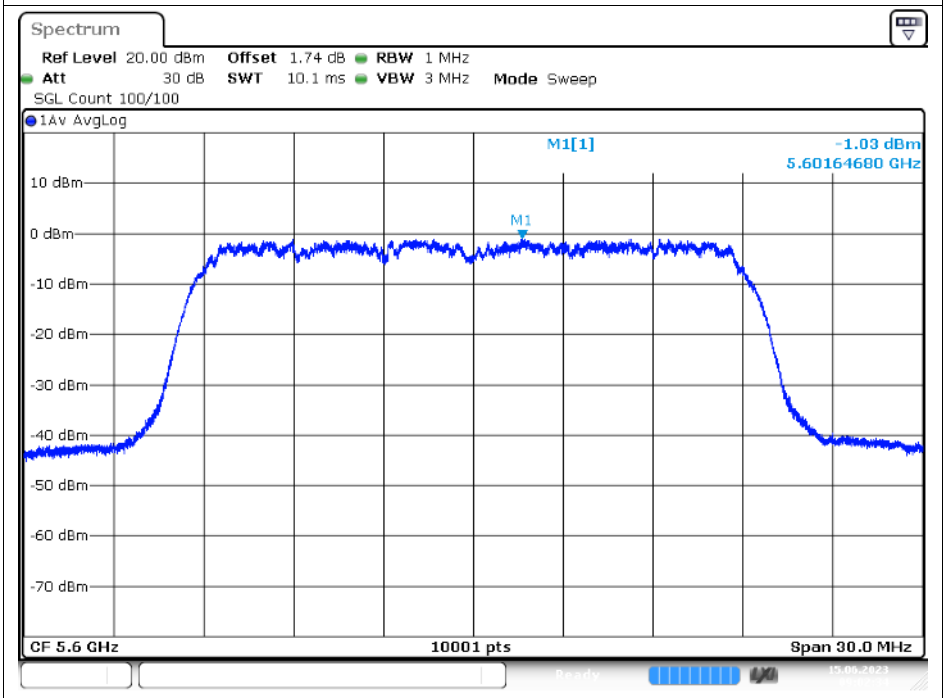


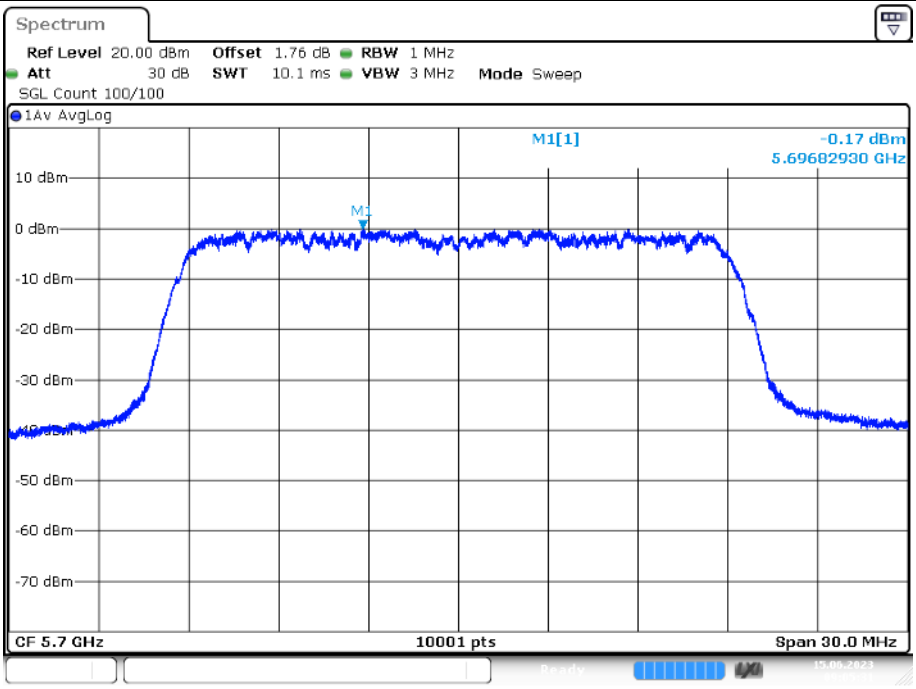
Date: 15.JUN.2023 08:57:32

PSD NVNT n20 5600MHz Ant1



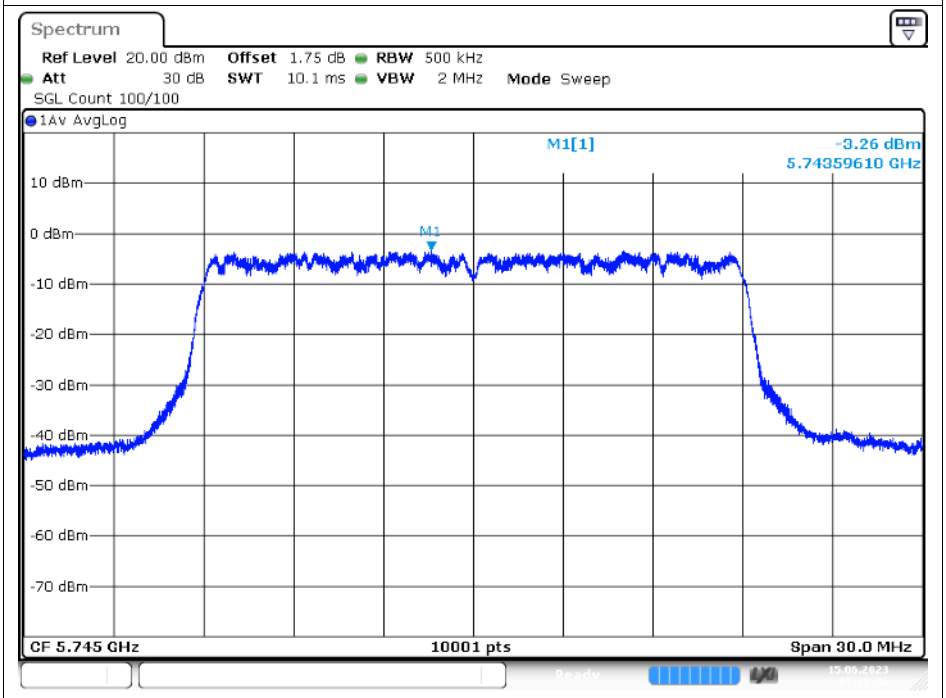
Date: 15.JUN.2023 09:02:35

PSD NVNT n20 5700MHz Ant1



Date: 15.JUN.2023 09:05:31

PSD NVNT n20 5745MHz Ant1



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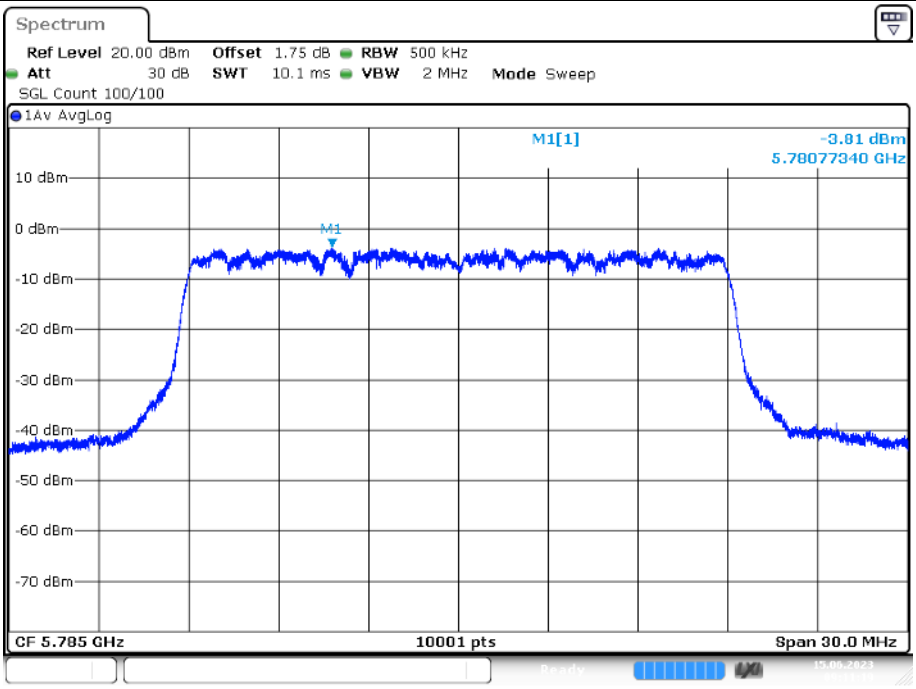

Date: 15.JUN.2023 09:11:20

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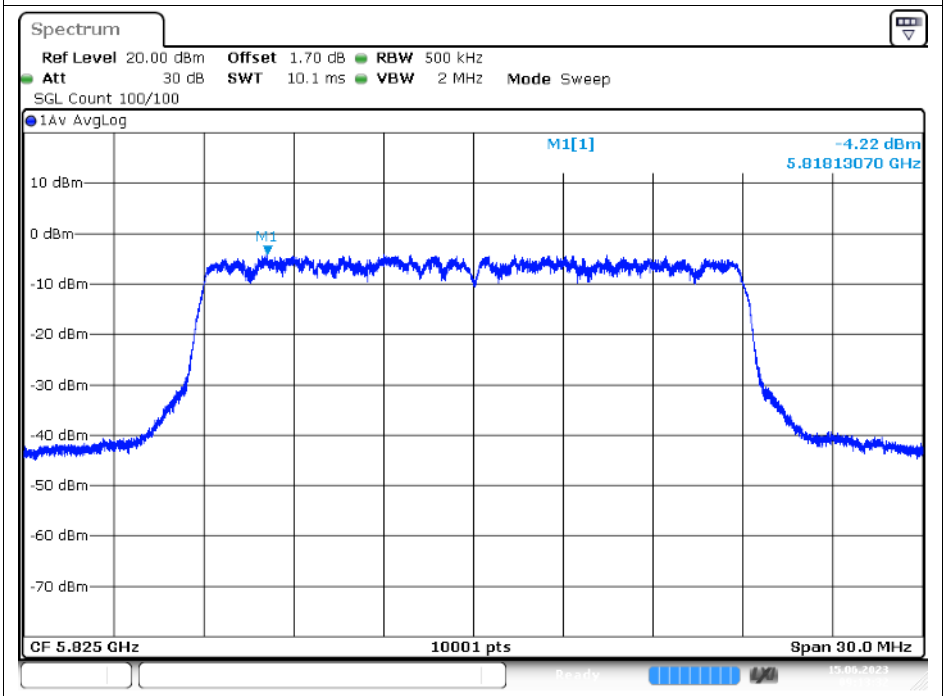
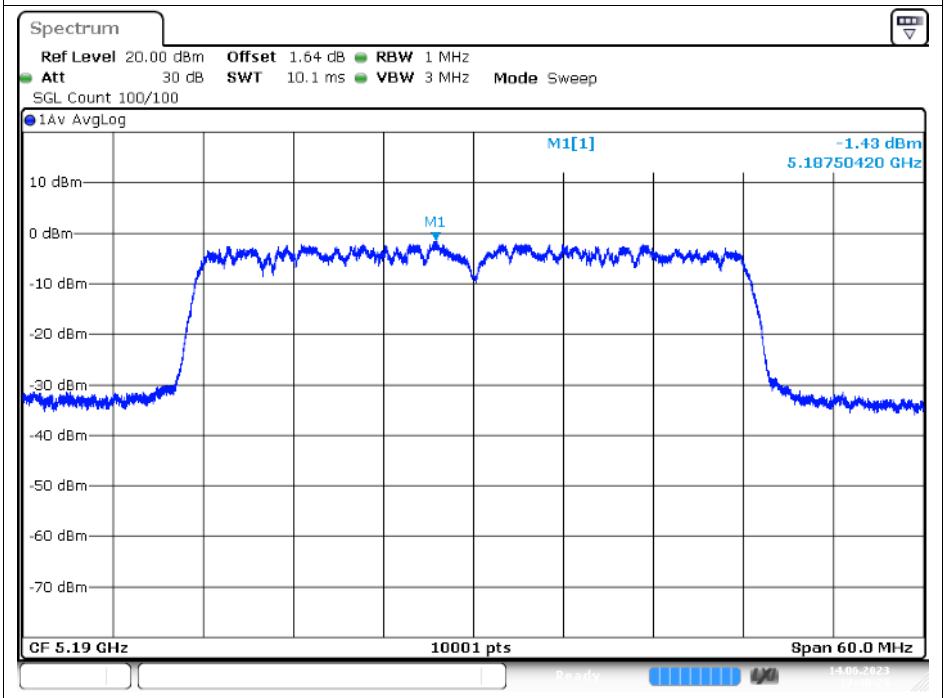


Date: 15.JUN.2023 09:13:32

PSD NVNT n40 5190MHz Ant1



Date: 14.JUN.2023 17:40:25

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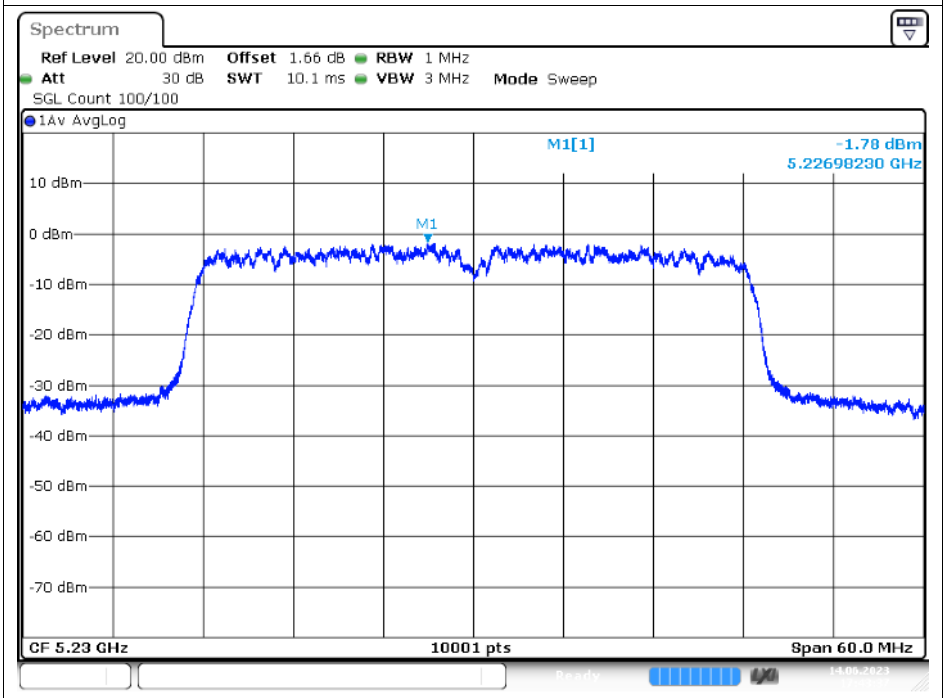

Date: 14.JUN.2023 17:43:37

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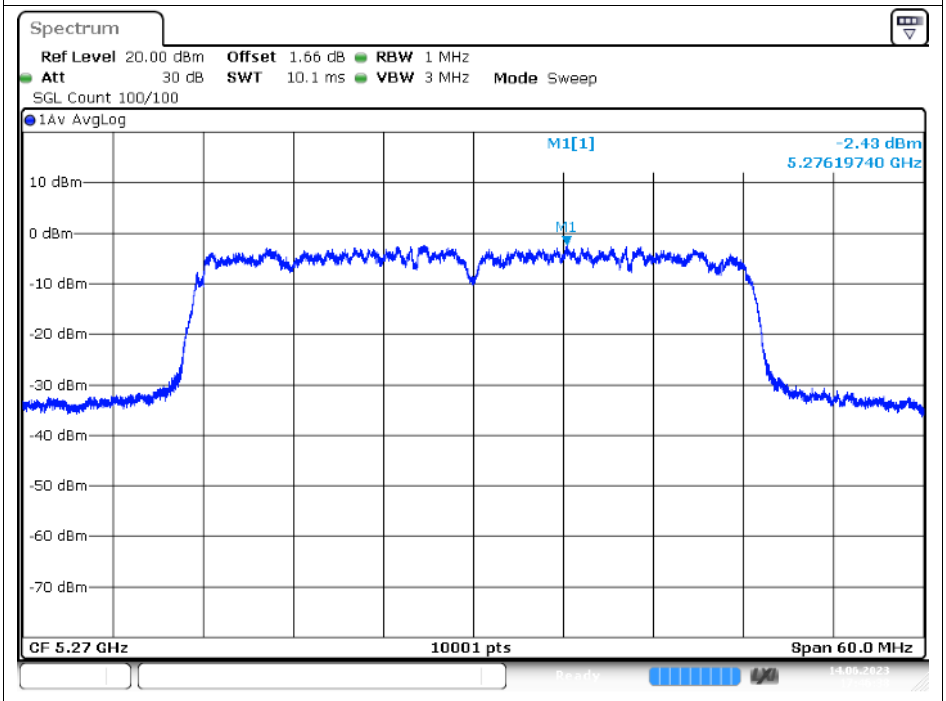

Date: 14.JUN.2023 17:46:39

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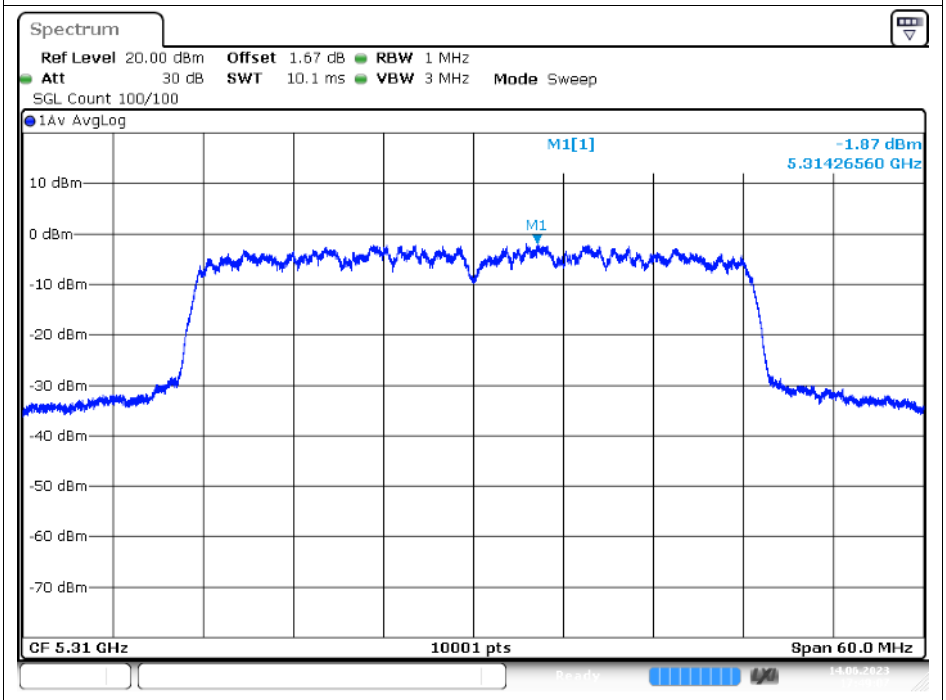

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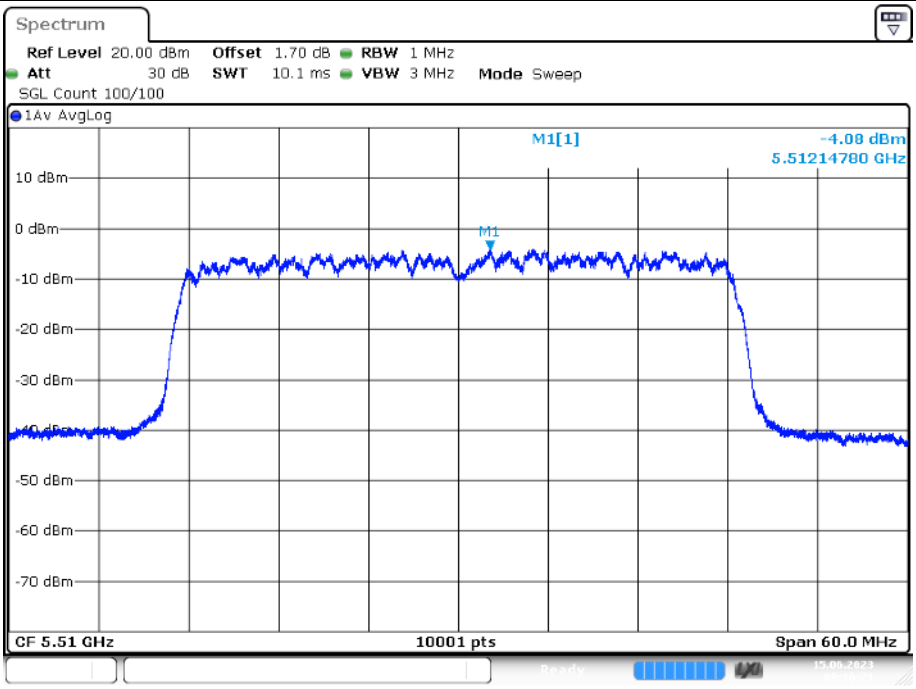
PSD NVNT n40 5510MHz Ant1



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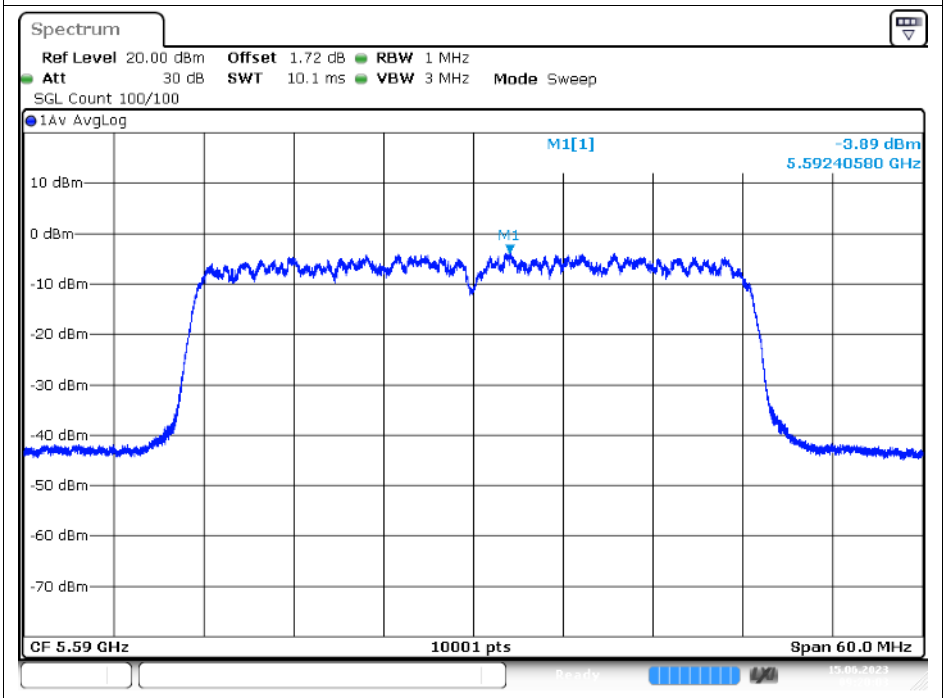

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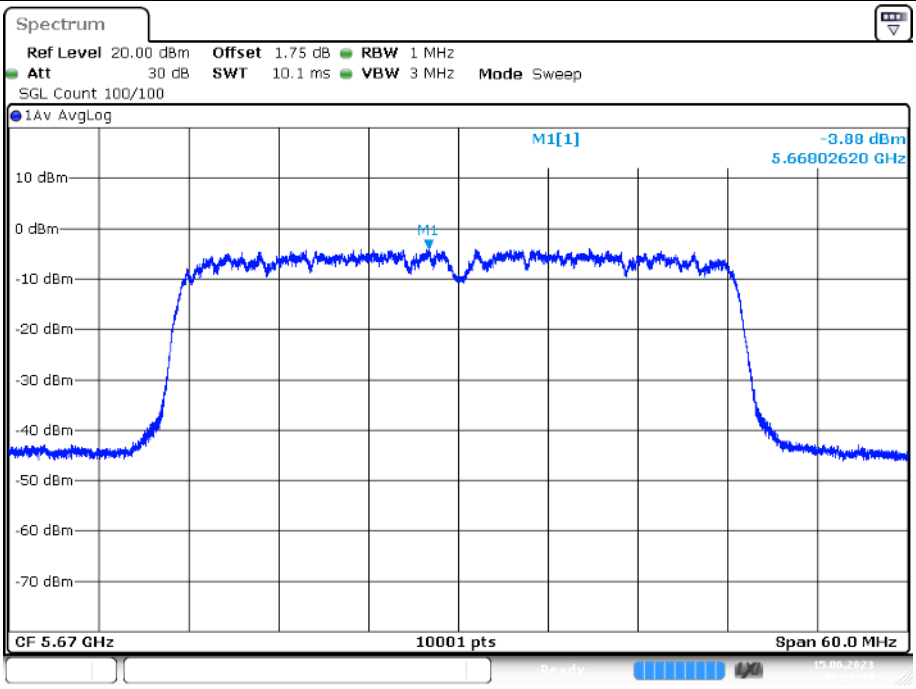
PSD NVNT n40 5670MHz Ant1



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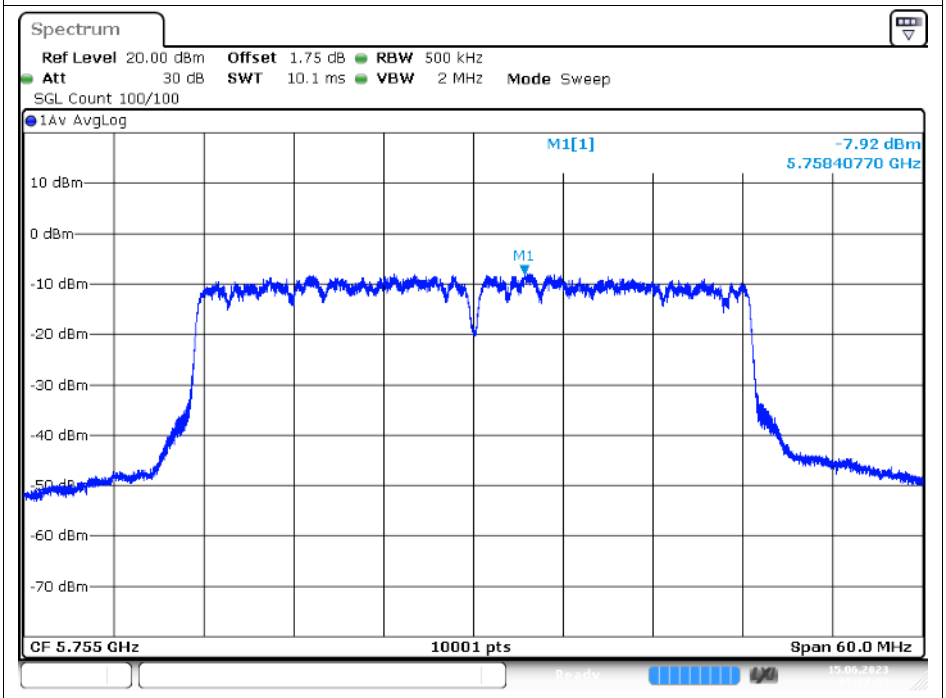

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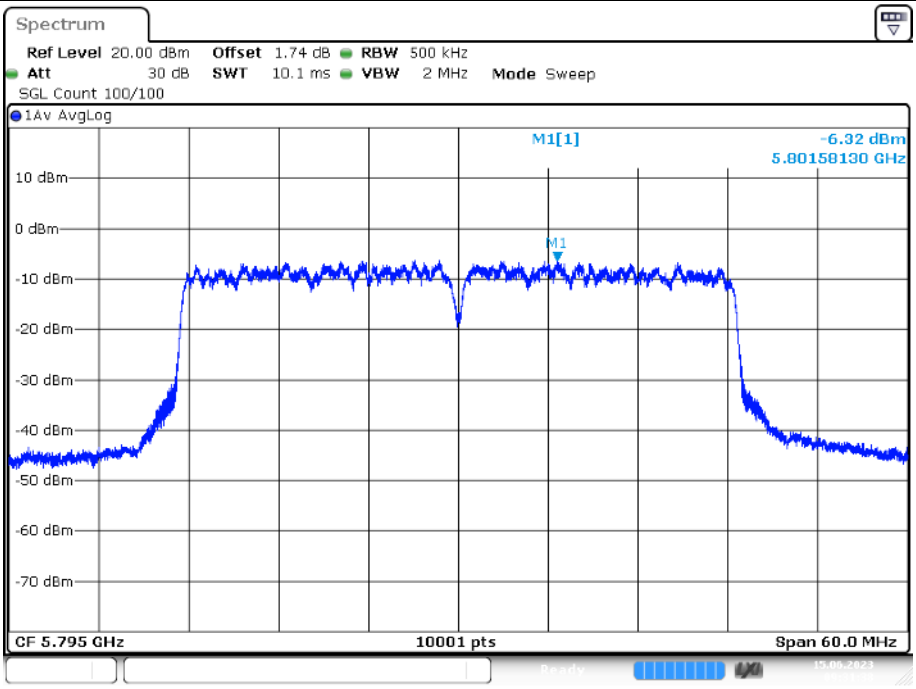
PSD NVNT n40 5795MHz Ant1



7.4 Frequency Stability

Condition	Mode	Time (mins)	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	0	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 120V	a	0	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 138V	a	0	5180	Ant1	5180.04	40000	7.72	25	Pass
-20C 120V	a	0	5180	Ant1	5180	0	0	25	Pass
-10C 120V	a	0	5180	Ant1	5180	0	0	25	Pass
0C 120V	a	0	5180	Ant1	5180	0	0	25	Pass
10C 120V	a	0	5180	Ant1	5180.02	20000	3.86	25	Pass
30C 120V	a	0	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 120V	a	0	5180	Ant1	5180.04	40000	7.72	25	Pass
50C 120V	a	0	5180	Ant1	5180	0	0	25	Pass
20C 102V	a	0	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 120V	a	0	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 138V	a	0	5200	Ant1	5200.02	20000	3.85	25	Pass
-20C 120V	a	0	5200	Ant1	5200	0	0	25	Pass
-10C 120V	a	0	5200	Ant1	5200.04	40000	7.69	25	Pass
0C 120V	a	0	5200	Ant1	5200.04	40000	7.69	25	Pass
10C 120V	a	0	5200	Ant1	5200.04	40000	7.69	25	Pass
30C 120V	a	0	5200	Ant1	5200.02	20000	3.85	25	Pass
40C 120V	a	0	5200	Ant1	5200.02	20000	3.85	25	Pass
50C 120V	a	0	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 102V	a	0	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 120V	a	0	5240	Ant1	5240.04	40000	7.63	25	Pass
20C 138V	a	0	5240	Ant1	5240.04	40000	7.63	25	Pass
-20C 120V	a	0	5240	Ant1	5240.04	40000	7.63	25	Pass
-10C 120V	a	0	5240	Ant1	5240.04	40000	7.63	25	Pass
0C 120V	a	0	5240	Ant1	5240.02	20000	3.82	25	Pass
10C 120V	a	0	5240	Ant1	5240.04	40000	7.63	25	Pass
30C 120V	a	0	5240	Ant1	5240.04	40000	7.63	25	Pass
40C 120V	a	0	5240	Ant1	5240.02	20000	3.82	25	Pass
50C 120V	a	0	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 102V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
20C 120V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
20C 138V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
-20C 120V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
-10C 120V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
0C 120V	a	0	5260	Ant1	5260.02	20000	3.8	25	Pass
10C 120V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
30C 120V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass

40C 120V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
50C 120V	a	0	5260	Ant1	5260.04	40000	7.6	25	Pass
20C 102V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
20C 120V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
20C 138V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
-20C 120V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
-10C 120V	a	0	5280	Ant1	5280.06	60000	11.36	25	Pass
0C 120V	a	0	5280	Ant1	5280.02	20000	3.79	25	Pass
10C 120V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
30C 120V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
40C 120V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
50C 120V	a	0	5280	Ant1	5280.04	40000	7.58	25	Pass
20C 102V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
20C 120V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
20C 138V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
-20C 120V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
-10C 120V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
0C 120V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
10C 120V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
30C 120V	a	0	5320	Ant1	5320.02	20000	3.76	25	Pass
40C 120V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
50C 120V	a	0	5320	Ant1	5320.04	40000	7.52	25	Pass
20C 102V	a	0	5500	Ant1	5500.02	20000	3.64	25	Pass
20C 120V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
20C 138V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
-20C 120V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
-10C 120V	a	0	5500	Ant1	5500.02	20000	3.64	25	Pass
0C 120V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
10C 120V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
30C 120V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
40C 120V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
50C 120V	a	0	5500	Ant1	5500.04	40000	7.27	25	Pass
20C 102V	a	0	5600	Ant1	5600.02	20000	3.57	25	Pass
20C 120V	a	0	5600	Ant1	5600.04	40000	7.14	25	Pass
20C 138V	a	0	5600	Ant1	5600.02	20000	3.57	25	Pass
-20C 120V	a	0	5600	Ant1	5600.04	40000	7.14	25	Pass
-10C 120V	a	0	5600	Ant1	5600.02	20000	3.57	25	Pass
0C 120V	a	0	5600	Ant1	5600.04	40000	7.14	25	Pass
10C 120V	a	0	5600	Ant1	5600.04	40000	7.14	25	Pass
30C 120V	a	0	5600	Ant1	5600.04	40000	7.14	25	Pass
40C 120V	a	0	5600	Ant1	5600.02	20000	3.57	25	Pass
50C 120V	a	0	5600	Ant1	5600.02	20000	3.57	25	Pass

20C 102V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
20C 120V	a	0	5700	Ant1	5700.02	20000	3.51	25	Pass
20C 138V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
-20C 120V	a	0	5700	Ant1	5700.02	20000	3.51	25	Pass
-10C 120V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
0C 120V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
10C 120V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
30C 120V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
40C 120V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
50C 120V	a	0	5700	Ant1	5700.04	40000	7.02	25	Pass
20C 102V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 120V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 138V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
-20C 120V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
-10C 120V	a	0	5745	Ant1	5745.02	20000	3.48	25	Pass
0C 120V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
10C 120V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
30C 120V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
40C 120V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
50C 120V	a	0	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 102V	a	0	5785	Ant1	5785.04	40000	6.91	25	Pass
20C 120V	a	0	5785	Ant1	5785.04	40000	6.91	25	Pass
20C 138V	a	0	5785	Ant1	5785.02	20000	3.46	25	Pass
-20C 120V	a	0	5785	Ant1	5785.04	40000	6.91	25	Pass
-10C 120V	a	0	5785	Ant1	5785.02	20000	3.46	25	Pass
0C 120V	a	0	5785	Ant1	5785.02	20000	3.46	25	Pass
10C 120V	a	0	5785	Ant1	5785.04	40000	6.91	25	Pass
30C 120V	a	0	5785	Ant1	5785.04	40000	6.91	25	Pass
40C 120V	a	0	5785	Ant1	5785.04	40000	6.91	25	Pass
50C 120V	a	0	5785	Ant1	5785.04	40000	6.91	25	Pass
20C 102V	a	0	5825	Ant1	5825.04	40000	6.87	25	Pass
20C 120V	a	0	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 138V	a	0	5825	Ant1	5825.02	20000	3.43	25	Pass
-20C 120V	a	0	5825	Ant1	5825.02	20000	3.43	25	Pass
-10C 120V	a	0	5825	Ant1	5825.04	40000	6.87	25	Pass
0C 120V	a	0	5825	Ant1	5825.04	40000	6.87	25	Pass
10C 120V	a	0	5825	Ant1	5825.02	20000	3.43	25	Pass
30C 120V	a	0	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 120V	a	0	5825	Ant1	5825.04	40000	6.87	25	Pass
50C 120V	a	0	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 102V	n20	0	5180	Ant1	5180.04	40000	7.72	25	Pass
20C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass

20C 138V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
-10C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
0C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
10C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
30C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
50C 120V	n20	0	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 102V	n20	0	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 120V	n20	0	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 138V	n20	0	5200	Ant1	5200.04	40000	7.69	25	Pass
-20C 120V	n20	0	5200	Ant1	5200.04	40000	7.69	25	Pass
-10C 120V	n20	0	5200	Ant1	5200.04	40000	7.69	25	Pass
0C 120V	n20	0	5200	Ant1	5200.04	40000	7.69	25	Pass
10C 120V	n20	0	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 120V	n20	0	5200	Ant1	5200.04	40000	7.69	25	Pass
40C 120V	n20	0	5200	Ant1	5200.04	40000	7.69	25	Pass
50C 120V	n20	0	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 102V	n20	0	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 120V	n20	0	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 138V	n20	0	5240	Ant1	5240.04	40000	7.63	25	Pass
-20C 120V	n20	0	5240	Ant1	5240.04	40000	7.63	25	Pass
-10C 120V	n20	0	5240	Ant1	5240.02	20000	3.82	25	Pass
0C 120V	n20	0	5240	Ant1	5240.02	20000	3.82	25	Pass
10C 120V	n20	0	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 120V	n20	0	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 120V	n20	0	5240	Ant1	5240.04	40000	7.63	25	Pass
50C 120V	n20	0	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 102V	n20	0	5260	Ant1	5260.02	20000	3.8	25	Pass
20C 120V	n20	0	5260	Ant1	5260.02	20000	3.8	25	Pass
20C 138V	n20	0	5260	Ant1	5260.02	20000	3.8	25	Pass
-20C 120V	n20	0	5260	Ant1	5260.04	40000	7.6	25	Pass
-10C 120V	n20	0	5260	Ant1	5260.04	40000	7.6	25	Pass
0C 120V	n20	0	5260	Ant1	5260.04	40000	7.6	25	Pass
10C 120V	n20	0	5260	Ant1	5260.04	40000	7.6	25	Pass
30C 120V	n20	0	5260	Ant1	5260.04	40000	7.6	25	Pass
40C 120V	n20	0	5260	Ant1	5260.02	20000	3.8	25	Pass
50C 120V	n20	0	5260	Ant1	5260.02	20000	3.8	25	Pass
20C 102V	n20	0	5280	Ant1	5280.02	20000	3.79	25	Pass
20C 120V	n20	0	5280	Ant1	5280.04	40000	7.58	25	Pass
20C 138V	n20	0	5280	Ant1	5280.04	40000	7.58	25	Pass
-20C 120V	n20	0	5280	Ant1	5280.04	40000	7.58	25	Pass

-10C 120V	n20	0	5280	Ant1	5280.04	40000	7.58	25	Pass
0C 120V	n20	0	5280	Ant1	5280.02	20000	3.79	25	Pass
10C 120V	n20	0	5280	Ant1	5280.04	40000	7.58	25	Pass
30C 120V	n20	0	5280	Ant1	5280.06	60000	11.36	25	Pass
40C 120V	n20	0	5280	Ant1	5280.04	40000	7.58	25	Pass
50C 120V	n20	0	5280	Ant1	5280.04	40000	7.58	25	Pass
20C 102V	n20	0	5320	Ant1	5320.04	40000	7.52	25	Pass
20C 120V	n20	0	5320	Ant1	5320.04	40000	7.52	25	Pass
20C 138V	n20	0	5320	Ant1	5320.02	20000	3.76	25	Pass
-20C 120V	n20	0	5320	Ant1	5320.04	40000	7.52	25	Pass
-10C 120V	n20	0	5320	Ant1	5320.04	40000	7.52	25	Pass
0C 120V	n20	0	5320	Ant1	5320.02	20000	3.76	25	Pass
10C 120V	n20	0	5320	Ant1	5320.02	20000	3.76	25	Pass
30C 120V	n20	0	5320	Ant1	5320.04	40000	7.52	25	Pass
40C 120V	n20	0	5320	Ant1	5320.04	40000	7.52	25	Pass
50C 120V	n20	0	5320	Ant1	5320.02	20000	3.76	25	Pass
20C 102V	n20	0	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 120V	n20	0	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 138V	n20	0	5500	Ant1	5499.98	-20000	-3.64	25	Pass
-20C 120V	n20	0	5500	Ant1	5499.98	-20000	-3.64	25	Pass
-10C 120V	n20	0	5500	Ant1	5499.98	-20000	-3.64	25	Pass
0C 120V	n20	0	5500	Ant1	5500	0	0	25	Pass
10C 120V	n20	0	5500	Ant1	5499.98	-20000	-3.64	25	Pass
30C 120V	n20	0	5500	Ant1	5500	0	0	25	Pass
40C 120V	n20	0	5500	Ant1	5500	0	0	25	Pass
50C 120V	n20	0	5500	Ant1	5500	0	0	25	Pass
20C 102V	n20	0	5600	Ant1	5600	0	0	25	Pass
20C 120V	n20	0	5600	Ant1	5600	0	0	25	Pass
20C 138V	n20	0	5600	Ant1	5599.98	-20000	-3.57	25	Pass
-20C 120V	n20	0	5600	Ant1	5600	0	0	25	Pass
-10C 120V	n20	0	5600	Ant1	5599.98	-20000	-3.57	25	Pass
0C 120V	n20	0	5600	Ant1	5600	0	0	25	Pass
10C 120V	n20	0	5600	Ant1	5600	0	0	25	Pass
30C 120V	n20	0	5600	Ant1	5600	0	0	25	Pass
40C 120V	n20	0	5600	Ant1	5599.98	-20000	-3.57	25	Pass
50C 120V	n20	0	5600	Ant1	5599.98	-20000	-3.57	25	Pass
20C 102V	n20	0	5700	Ant1	5700	0	0	25	Pass
20C 120V	n20	0	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20C 138V	n20	0	5700	Ant1	5700	0	0	25	Pass
-20C 120V	n20	0	5700	Ant1	5700	0	0	25	Pass
-10C 120V	n20	0	5700	Ant1	5700.02	20000	3.51	25	Pass
0C 120V	n20	0	5700	Ant1	5700	0	0	25	Pass

10C 120V	n20	0	5700	Ant1	5700.02	20000	3.51	25	Pass
30C 120V	n20	0	5700	Ant1	5700.02	20000	3.51	25	Pass
40C 120V	n20	0	5700	Ant1	5700.02	20000	3.51	25	Pass
50C 120V	n20	0	5700	Ant1	5700	0	0	25	Pass
20C 102V	n20	0	5745	Ant1	5745	0	0	25	Pass
20C 120V	n20	0	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 138V	n20	0	5745	Ant1	5745	0	0	25	Pass
-20C 120V	n20	0	5745	Ant1	5745.02	20000	3.48	25	Pass
-10C 120V	n20	0	5745	Ant1	5745	0	0	25	Pass
0C 120V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 120V	n20	0	5745	Ant1	5745.02	20000	3.48	25	Pass
30C 120V	n20	0	5745	Ant1	5745.02	20000	3.48	25	Pass
40C 120V	n20	0	5745	Ant1	5745	0	0	25	Pass
50C 120V	n20	0	5745	Ant1	5745	0	0	25	Pass
20C 102V	n20	0	5785	Ant1	5785	0	0	25	Pass
20C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
20C 138V	n20	0	5785	Ant1	5785.02	20000	3.46	25	Pass
-20C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
-10C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
0C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
10C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
30C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
40C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
50C 120V	n20	0	5785	Ant1	5785	0	0	25	Pass
20C 102V	n20	0	5825	Ant1	5825	0	0	25	Pass
20C 120V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 138V	n20	0	5825	Ant1	5825.02	20000	3.43	25	Pass
-20C 120V	n20	0	5825	Ant1	5825	0	0	25	Pass
-10C 120V	n20	0	5825	Ant1	5825.02	20000	3.43	25	Pass
0C 120V	n20	0	5825	Ant1	5825	0	0	25	Pass
10C 120V	n20	0	5825	Ant1	5825.02	20000	3.43	25	Pass
30C 120V	n20	0	5825	Ant1	5825	0	0	25	Pass
40C 120V	n20	0	5825	Ant1	5825	0	0	25	Pass
50C 120V	n20	0	5825	Ant1	5825	0	0	25	Pass
20C 102V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 138V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
-20C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
-10C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
0C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
30C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass

40C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
50C 120V	n40	0	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 102V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 120V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 138V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
-20C 120V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
-10C 120V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
0C 120V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
10C 120V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
30C 120V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
40C 120V	n40	0	5230	Ant1	5230	0	0	25	Pass
50C 120V	n40	0	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 102V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
20C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
20C 138V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
-20C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
-10C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
0C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
10C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
30C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
40C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
50C 120V	n40	0	5270	Ant1	5270.04	40000	7.59	25	Pass
20C 102V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
20C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
20C 138V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
-20C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
-10C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
0C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
10C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
30C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
40C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
50C 120V	n40	0	5310	Ant1	5310.04	40000	7.53	25	Pass
20C 102V	n40	0	5510	Ant1	5510.04	40000	7.26	25	Pass
20C 120V	n40	0	5510	Ant1	5510.04	40000	7.26	25	Pass
20C 138V	n40	0	5510	Ant1	5510.04	40000	7.26	25	Pass
-20C 120V	n40	0	5510	Ant1	5510	0	0	25	Pass
-10C 120V	n40	0	5510	Ant1	5510.04	40000	7.26	25	Pass
0C 120V	n40	0	5510	Ant1	5510.04	40000	7.26	25	Pass
10C 120V	n40	0	5510	Ant1	5510	0	0	25	Pass
30C 120V	n40	0	5510	Ant1	5510.04	40000	7.26	25	Pass
40C 120V	n40	0	5510	Ant1	5510.04	40000	7.26	25	Pass
50C 120V	n40	0	5510	Ant1	5510	0	0	25	Pass

20C 102V	n40	0	5590	Ant1	5590.04	40000	7.16	25	Pass
20C 120V	n40	0	5590	Ant1	5590	0	0	25	Pass
20C 138V	n40	0	5590	Ant1	5590.04	40000	7.16	25	Pass
-20C 120V	n40	0	5590	Ant1	5590.04	40000	7.16	25	Pass
-10C 120V	n40	0	5590	Ant1	5590	0	0	25	Pass
0C 120V	n40	0	5590	Ant1	5590.04	40000	7.16	25	Pass
10C 120V	n40	0	5590	Ant1	5590	0	0	25	Pass
30C 120V	n40	0	5590	Ant1	5589.96	-40000	-7.16	25	Pass
40C 120V	n40	0	5590	Ant1	5590.04	40000	7.16	25	Pass
50C 120V	n40	0	5590	Ant1	5590.04	40000	7.16	25	Pass
20C 102V	n40	0	5670	Ant1	5670.04	40000	7.05	25	Pass
20C 120V	n40	0	5670	Ant1	5670	0	0	25	Pass
20C 138V	n40	0	5670	Ant1	5670	0	0	25	Pass
-20C 120V	n40	0	5670	Ant1	5670.04	40000	7.05	25	Pass
-10C 120V	n40	0	5670	Ant1	5670	0	0	25	Pass
0C 120V	n40	0	5670	Ant1	5670.04	40000	7.05	25	Pass
10C 120V	n40	0	5670	Ant1	5670	0	0	25	Pass
30C 120V	n40	0	5670	Ant1	5670	0	0	25	Pass
40C 120V	n40	0	5670	Ant1	5670.04	40000	7.05	25	Pass
50C 120V	n40	0	5670	Ant1	5670	0	0	25	Pass
20C 102V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 120V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 138V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
-20C 120V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
-10C 120V	n40	0	5755	Ant1	5755	0	0	25	Pass
0C 120V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
10C 120V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
30C 120V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
40C 120V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
50C 120V	n40	0	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 102V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 120V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 138V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass
-20C 120V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass
-10C 120V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass
0C 120V	n40	0	5795	Ant1	5795	0	0	25	Pass
10C 120V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass
30C 120V	n40	0	5795	Ant1	5795	0	0	25	Pass
40C 120V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass
50C 120V	n40	0	5795	Ant1	5795.04	40000	6.9	25	Pass

7.5 Dynamic Frequency Selection (Slave)

Both the Master and Client device
were set to 802.11n / MCS0 with 40 MHz channel bandwidth to ensure a stable channel loading.KDB 905462 D02 v02 UNII DFS Compliance Procedures states in Table 2 the EUT should be tested at maximum channel bandwidth (40 MHz for 802.11n mode).

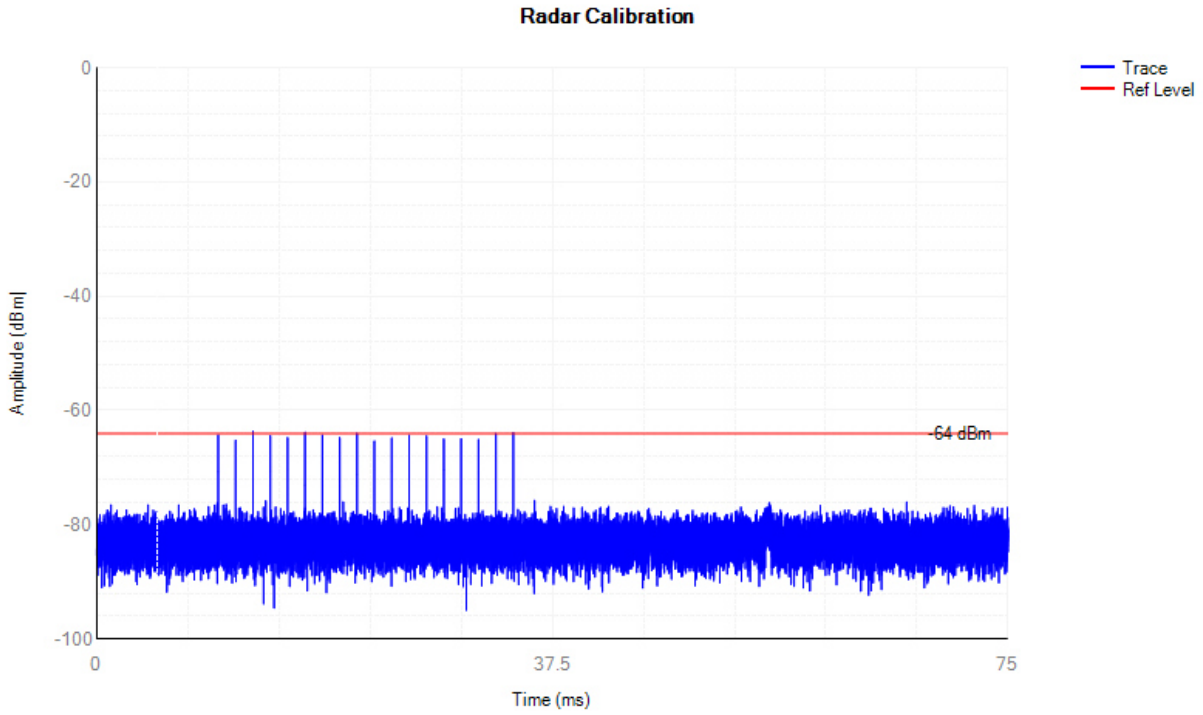
Test Frequency and channel for 802.11N40:

Transmit / Receive Channels Tested at 40 MHz Bandwidth setting:	
Channel	Frequency (MHz)
54	5270
134	5670

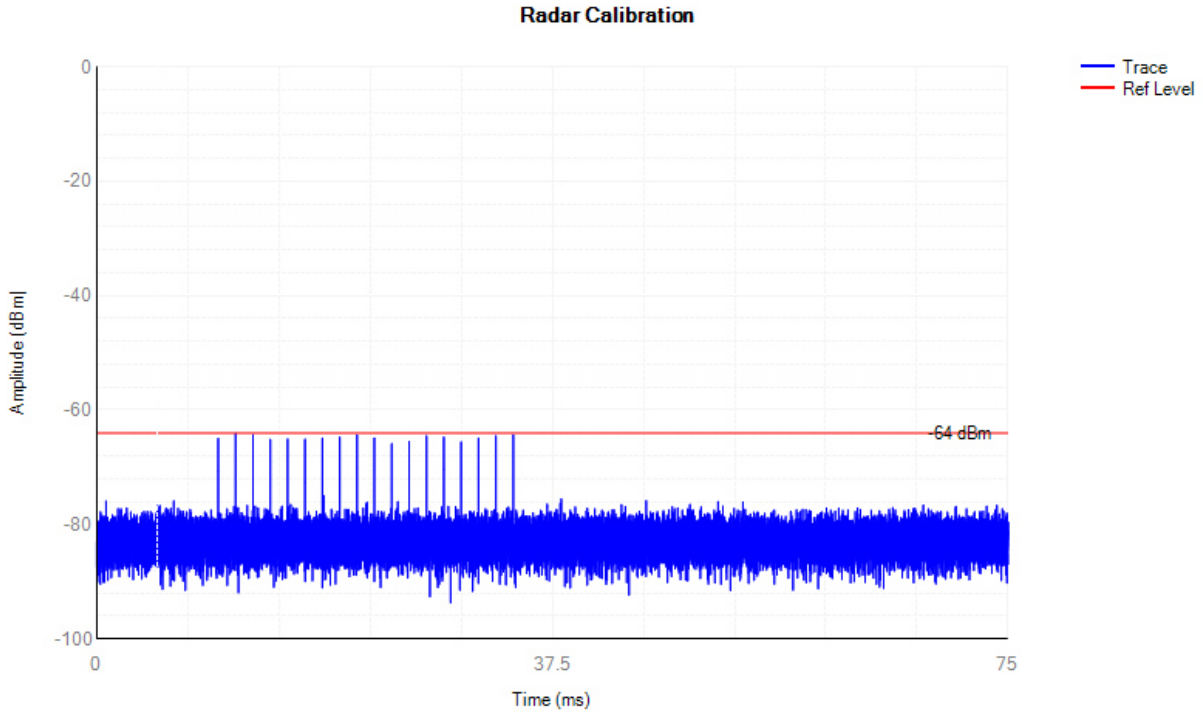
Calibration

Radar Signal 0:

5270MHz:

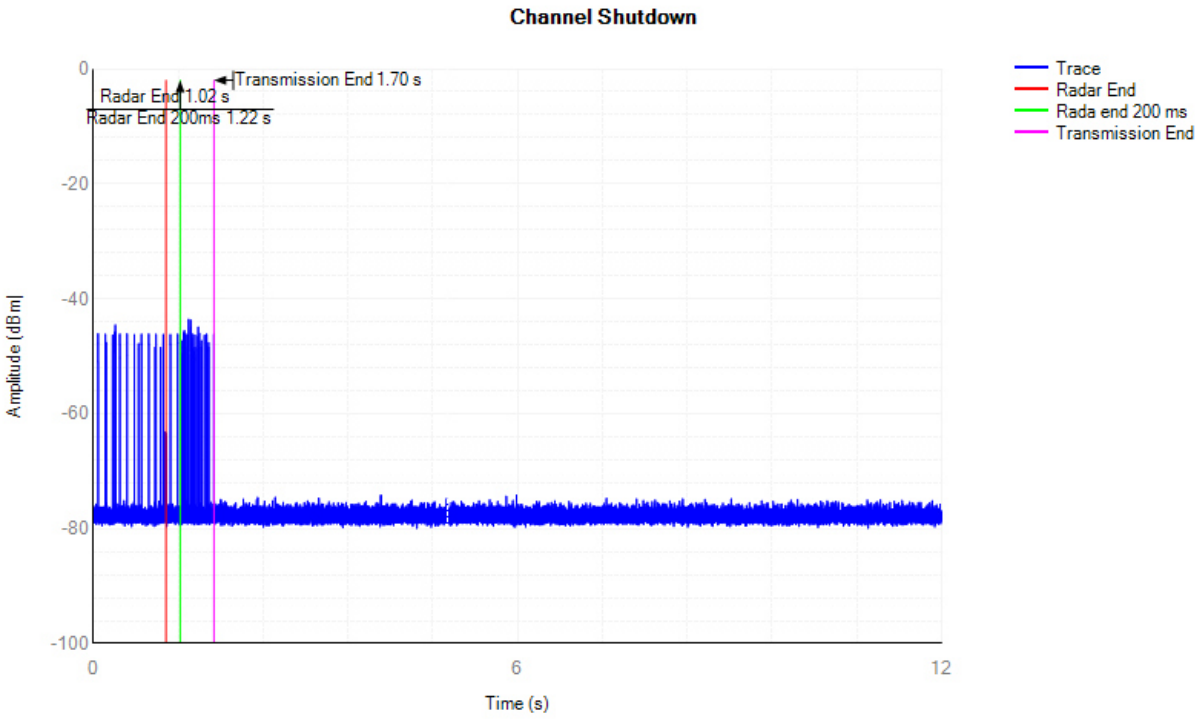


5670MHz:

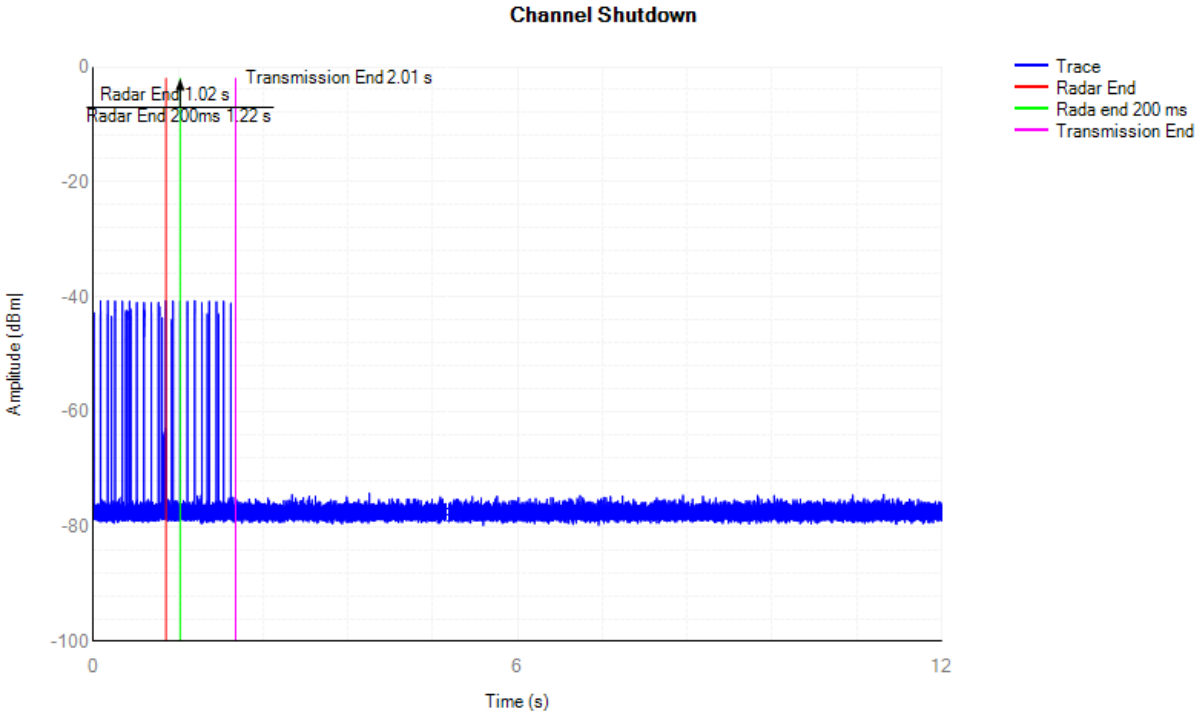


Shutdown Time

5270MHz:

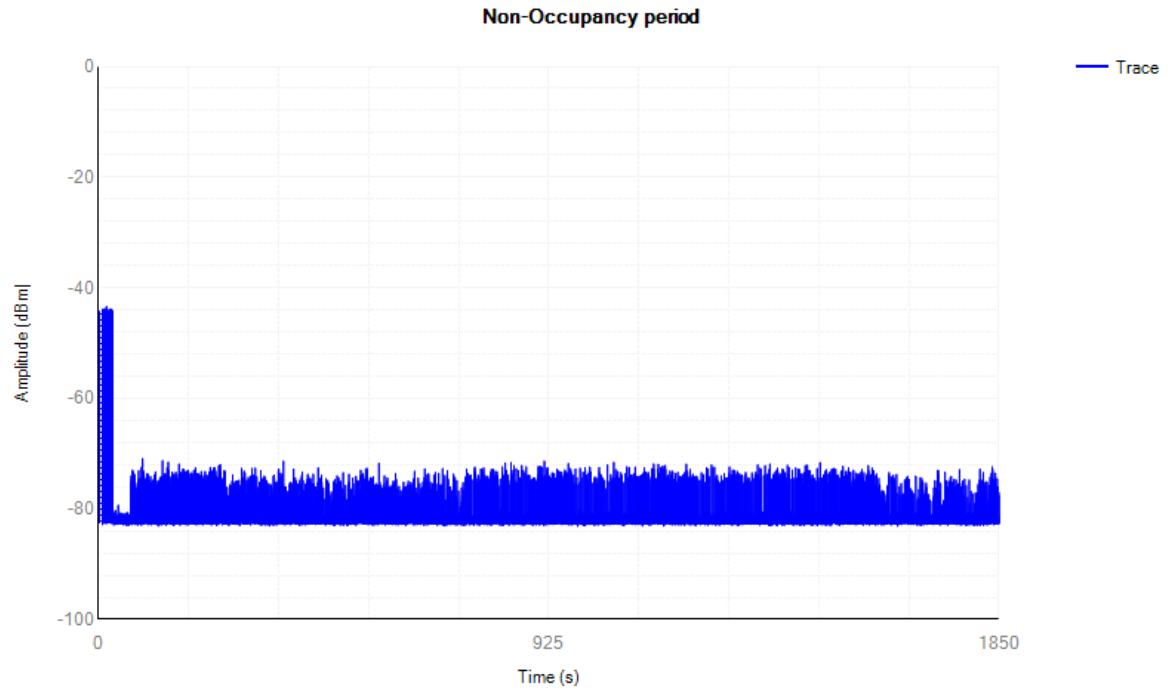


5270MHz:

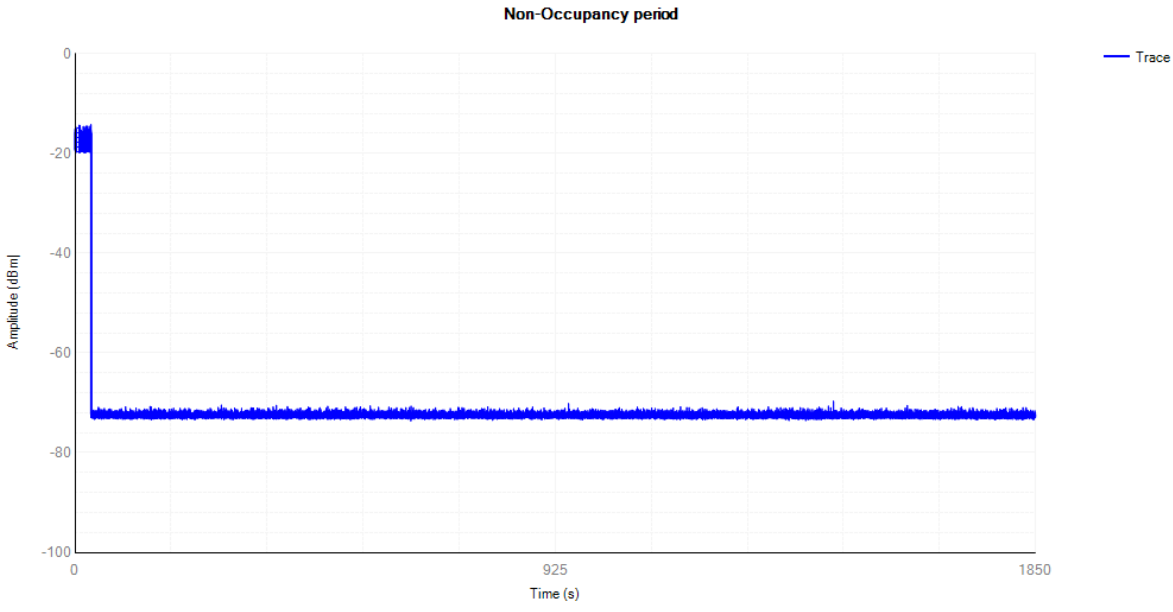


Non-Occupancy

5270MHz:



5670MHz:



7.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	95.41	0.2	0.72
NVNT	a	5200	Ant1	95.41	0.2	0.72
NVNT	a	5240	Ant1	95.41	0.2	0.72
NVNT	a	5260	Ant1	95.48	0.2	0.72
NVNT	a	5280	Ant1	95.48	0.2	0.72
NVNT	a	5320	Ant1	95.48	0.2	0.72
NVNT	a	5500	Ant1	95.48	0.2	0.72
NVNT	a	5600	Ant1	95.48	0.2	0.72
NVNT	a	5700	Ant1	95.48	0.2	0.72
NVNT	a	5745	Ant1	95.41	0.2	0.72
NVNT	a	5785	Ant1	95.41	0.2	0.72
NVNT	a	5825	Ant1	95.48	0.2	0.72
NVNT	n20	5180	Ant1	98.72	0	0.2
NVNT	n20	5200	Ant1	98.72	0	0.2
NVNT	n20	5240	Ant1	98.72	0	0.2
NVNT	n20	5260	Ant1	98.72	0	0.2
NVNT	n20	5280	Ant1	98.7	0	0.2
NVNT	n20	5320	Ant1	99.35	0	0
NVNT	n20	5500	Ant1	99.34	0	0
NVNT	n20	5600	Ant1	98.72	0	0.2
NVNT	n20	5700	Ant1	98.72	0	0.2
NVNT	n20	5745	Ant1	98.72	0	0.2
NVNT	n20	5785	Ant1	98.72	0	0.2
NVNT	n20	5825	Ant1	98.7	0	0.2
NVNT	n40	5190	Ant1	97.4	0.11	0.41
NVNT	n40	5230	Ant1	97.44	0.11	0.4
NVNT	n40	5270	Ant1	97.4	0.11	0.41
NVNT	n40	5310	Ant1	97.4	0.11	0.41
NVNT	n40	5510	Ant1	97.4	0.11	0.4
NVNT	n40	5590	Ant1	97.4	0.11	0.4
NVNT	n40	5670	Ant1	97.4	0.11	0.4
NVNT	n40	5755	Ant1	97.36	0.12	0.41
NVNT	n40	5795	Ant1	97.36	0.12	0.41

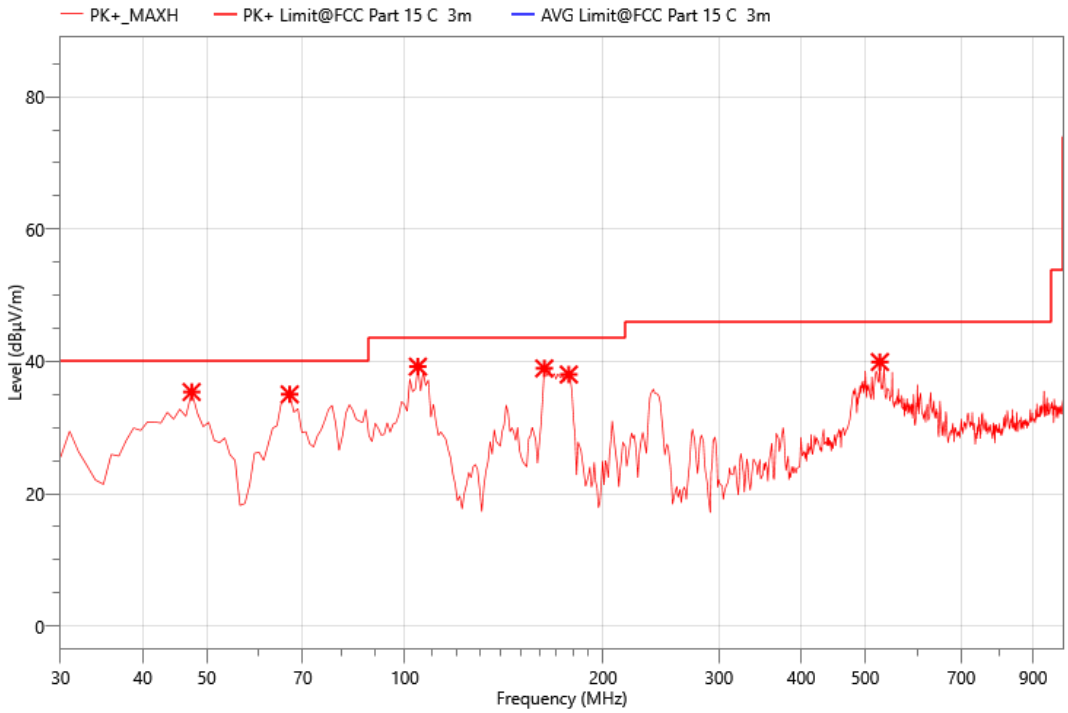
8. RADIATED TEST RESULTS

Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)

The worst result as bellow:

DateTime: 2023-06-27 22:41:06

Mode:	FCC 5G WIFI N40 5190
Power:	DC 12V
TE:	Karry
Date:	2023.06.26
Humiture:	24℃ 55%
Barometric Pessure	101.5

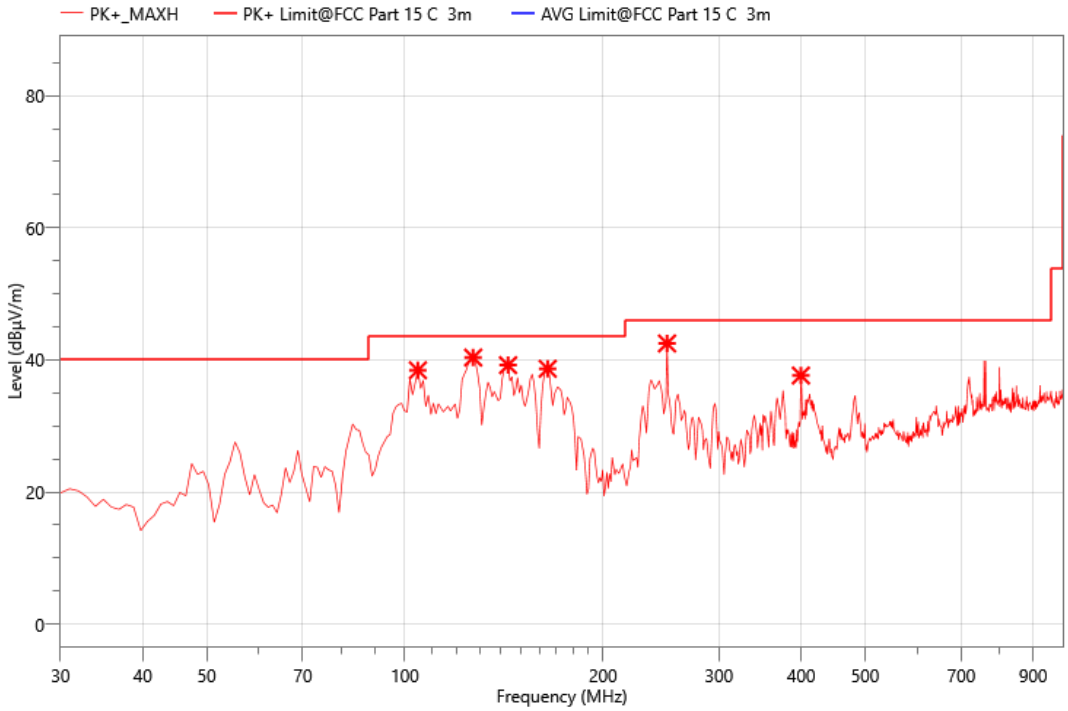


Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	47.460	52.53	35.38	40.00	4.62	PK+	100.1	V	360.1	-17.15
2	66.860	53.45	35.02	40.00	4.98	PK+	100.1	V	360.1	-18.43
3	104.690	56.83	39.21	43.50	4.29	PK+	100.1	V	360.1	-17.62
4	162.890	54.78	38.95	43.50	4.55	PK+	100.1	V	360.1	-15.83
5	177.440	53.85	38.02	43.50	5.48	PK+	100.1	V	360.1	-15.83
6	526.640	44.32	39.91	46.00	6.09	PK+	100.1	V	360.1	-4.41

DateTime: 2023-06-27 22:39:49

Mode:	FCC 5G WIFI N40 5190
Power:	DC 12V
TE:	Karry
Date:	2023.06.26
Humiture:	24℃ 55%
Barometric Pessure	101.5



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	104.690	56.06	38.44	43.50	5.06	PK+	100.1	H	360.1	-17.62
2	127.000	58.52	40.36	43.50	3.14	PK+	100.1	H	360.1	-18.16
3	143.490	56.12	39.21	43.50	4.29	PK+	100.1	H	360.1	-16.91
4	164.830	54.81	38.66	43.50	4.84	PK+	100.1	H	360.1	-16.15
5	250.190	55.14	42.50	46.00	3.50	PK+	100.1	H	360.1	-12.64
6	399.570	45.16	37.64	46.00	8.36	PK+	100.1	H	360.1	-7.52

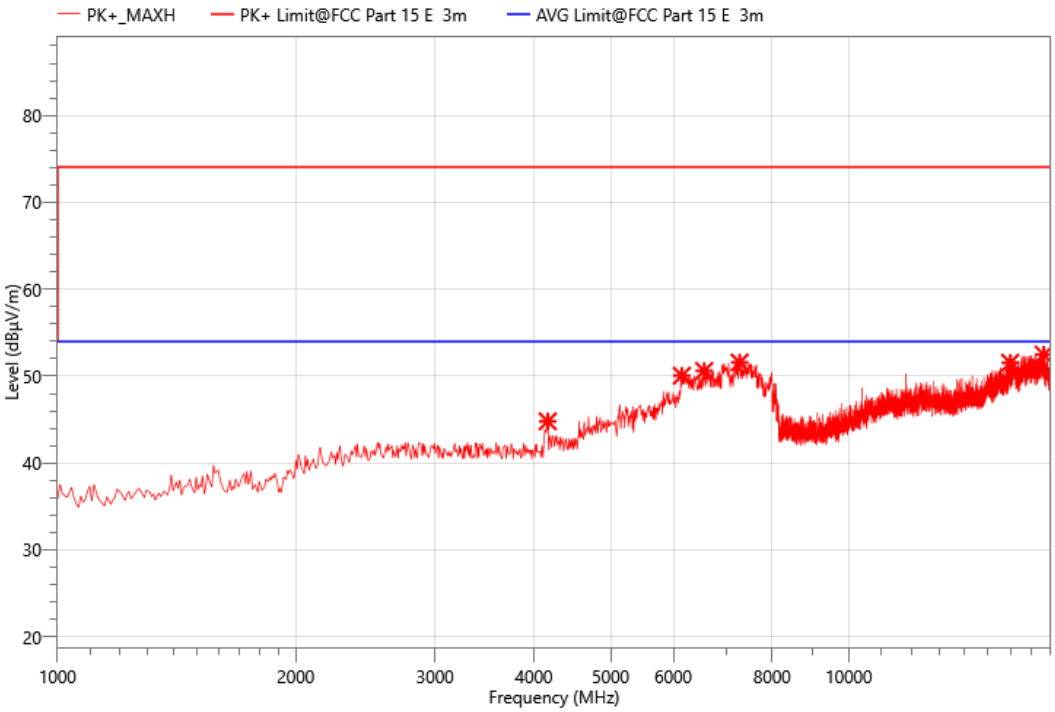
Note: 1. Result Level = Read Level+ Antenna Factor+ Cable Loss- Amp. Factor

Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

The worst result as bellow:

DateTime: 2023-06-28 21:46:39

Mode:	5G WIFI TX 5190 1-18G
Power:	DC 12V
TE:	Karry
Date:	2023.06.28
Humiture:	24℃ 55%
Barometric Pessure	101.5

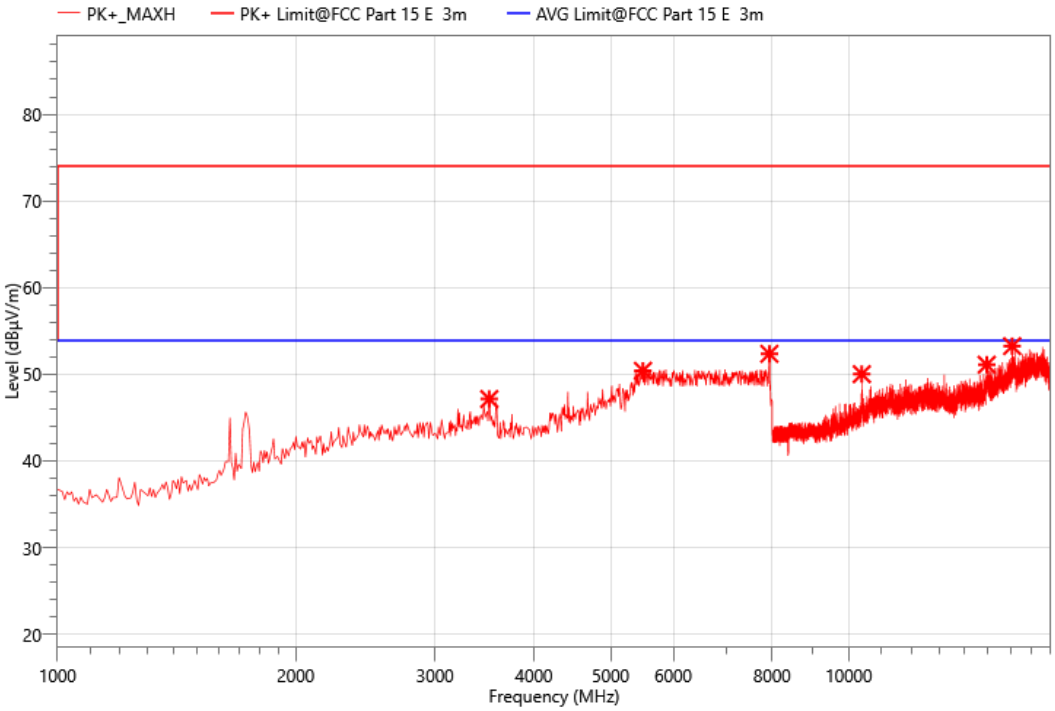


Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	4164.000	47.91	44.80	74.00	29.20	PK+	150.0	H	360.1	-3.11
2	6152.000	47.77	50.05	74.00	23.95	PK+	150.0	H	360.1	2.28
3	6565.000	44.13	50.60	74.00	23.40	PK+	150.0	H	360.1	6.47
4	7279.000	39.40	51.57	74.00	22.43	PK+	150.0	H	360.1	12.17
5	15998.000	47.53	51.54	74.00	22.46	PK+	150.0	H	360.1	4.01
6	17635.000	45.83	52.47	74.00	21.53	PK+	150.0	H	360.1	6.64

DateTime:2023-06-28 21:49:39

Mode:	5G WIFI TX 5190 1-18G
Power:	DC 12V
TE:	Karry
Date:	2023.06.28
Humiture:	24℃ 55%
Barometric Pessure	101.5

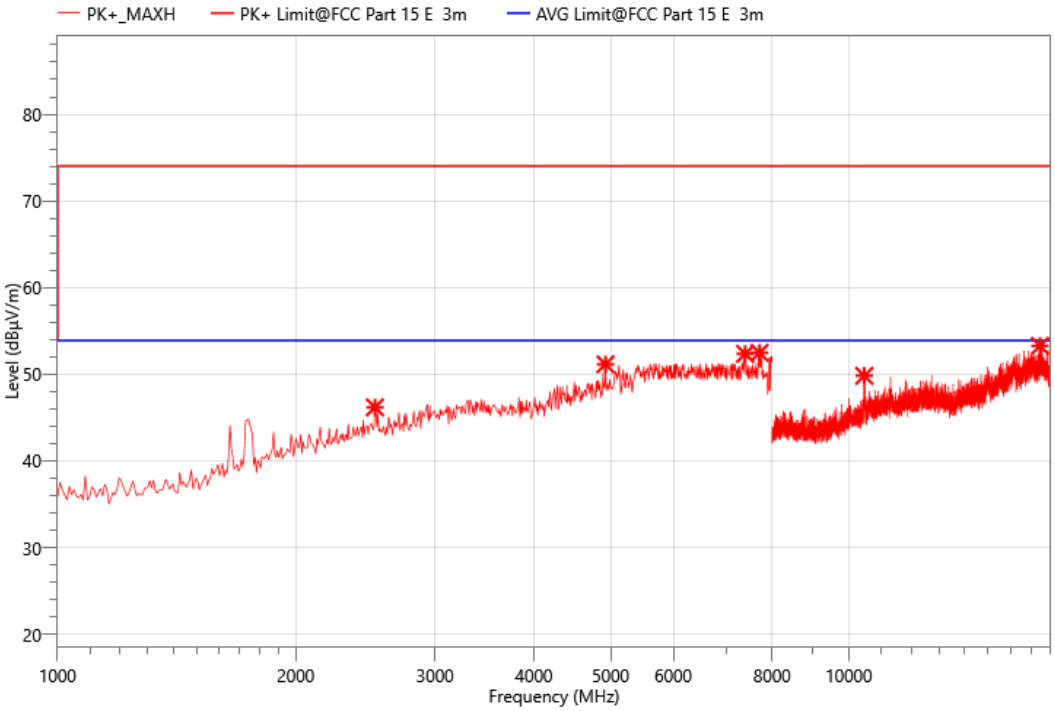


Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	3513.000	51.54	47.15	74.00	26.85	PK+	150.0	V	-0.1	-4.39
2	5494.000	50.85	50.41	74.00	23.59	PK+	150.0	V	-0.1	-0.44
3	7937.000	33.09	52.36	74.00	21.64	PK+	150.0	V	-0.1	19.27
4	10386.000	52.64	50.02	74.00	23.98	PK+	150.0	V	-0.1	-2.62
5	14939.000	48.76	51.11	74.00	22.89	PK+	150.0	V	-0.1	2.35
6	16088.000	48.87	53.25	74.00	20.75	PK+	150.0	V	-0.1	4.38

DateTime: 2023-06-28 21:53:57

Mode:	5G WIFI TX 5230 1-18G
Power:	DC 12V
TE:	Karry
Date:	2023.06.28
Humiture:	24℃ 55%
Barometric Pessure	101.5

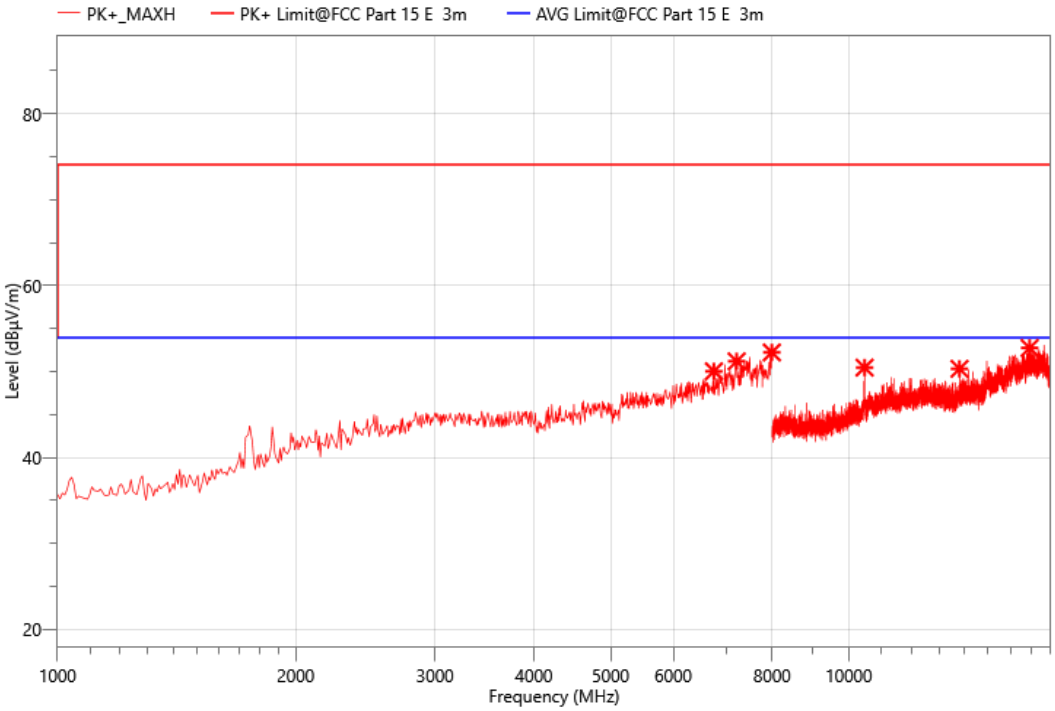


Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	2519.000	54.37	46.19	74.00	27.81	PK+	150.0	V	360.0	-8.18
2	4927.000	52.95	51.15	74.00	22.85	PK+	150.0	V	360.0	-1.8
3	7398.000	39.17	52.36	74.00	21.64	PK+	150.0	V	360.0	13.19
4	7713.000	38.22	52.48	74.00	21.52	PK+	150.0	V	360.0	14.26
5	10461.000	52.23	49.83	74.00	24.17	PK+	150.0	V	360.0	-2.4
6	17447.000	46.64	53.28	74.00	20.72	PK+	150.0	V	360.0	6.64

DateTime: 2023-06-28 21:56:12

Mode:	5G WIFI TX 5230 1-18G
Power:	DC 12V
TE:	Karry
Date:	2023.06.28
Humiture:	24℃ 55%
Barometric Pessure	101.5



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	6754.000	41.94	50.04	74.00	23.96	PK+	150.0	H	0.0	8.1
2	7216.000	38.46	51.20	74.00	22.80	PK+	150.0	H	0.0	12.74
3	7993.000	33.75	52.23	74.00	21.77	PK+	150.0	H	0.0	18.48
4	10471.000	52.81	50.47	74.00	23.53	PK+	150.0	H	0.0	-2.34
5	13803.000	49.71	50.33	74.00	23.67	PK+	150.0	H	0.0	0.62
6	16926.000	46.74	52.75	74.00	21.25	PK+	150.0	H	0.0	6.01

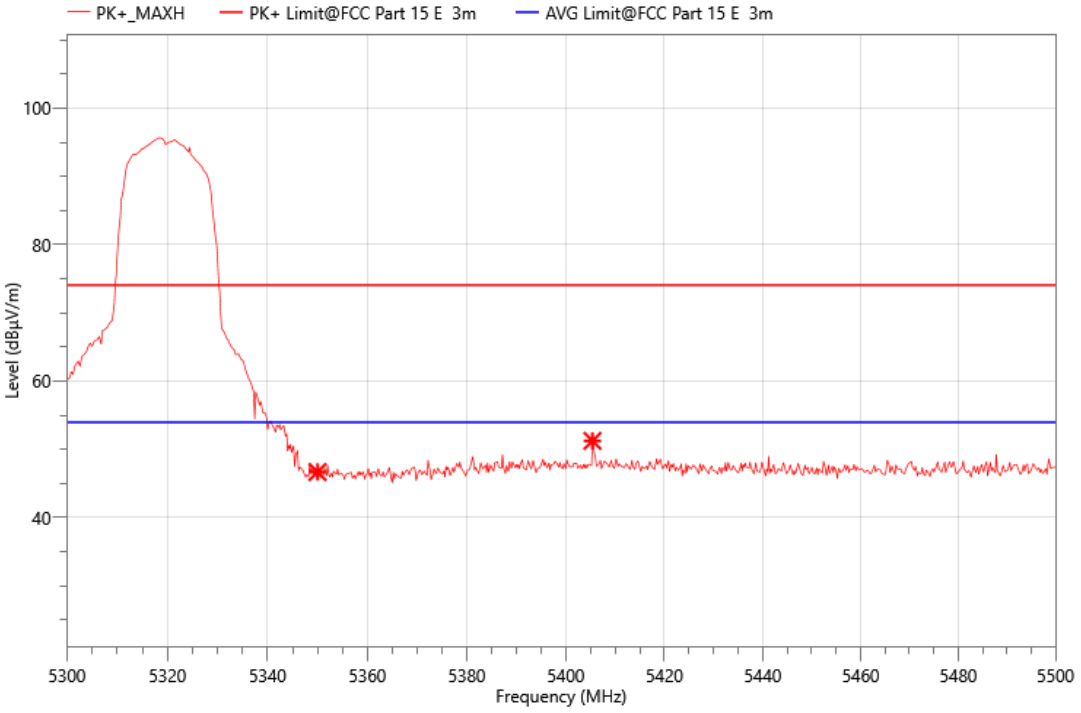
No others harmonics emissions are higher than 20 dB below the limits of 47 CFR Part 15.407.

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) EIRP[dBm] = E[dBµV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Band Edge:

The worst result as bellow:

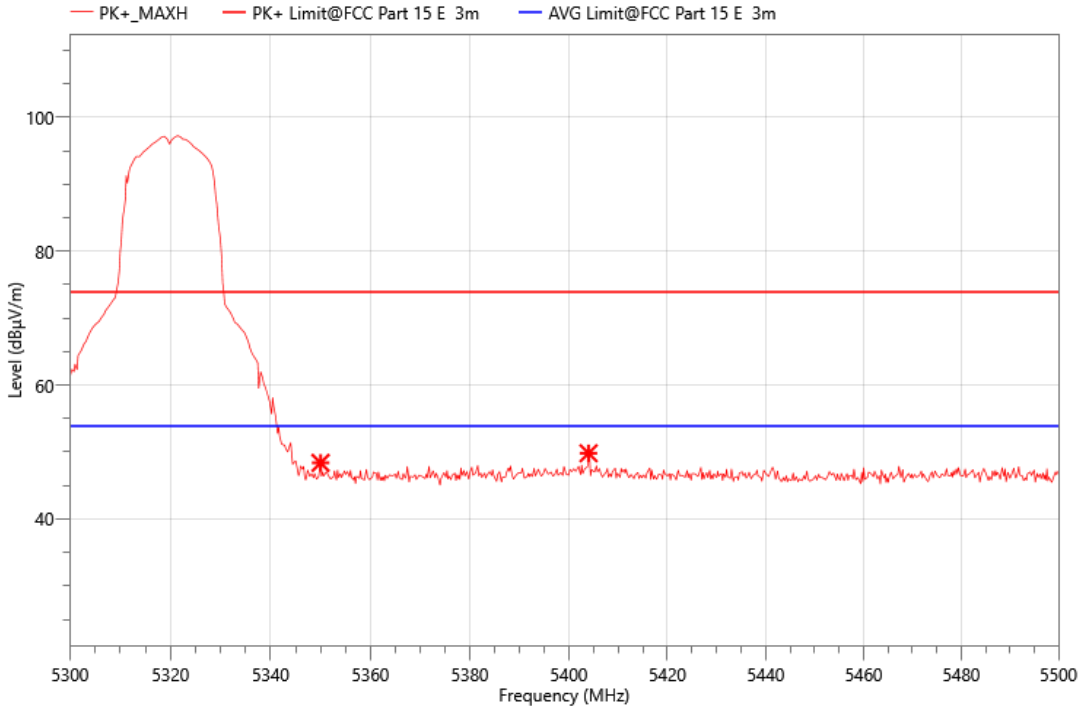
Mode:	A5320
Power:	DC 12V
TE:	BIG
Date	2023/7/12
T/A/P	25℃/55%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	5350.000	54.29	46.67	74.00	27.33	PK+	150.0	H	360.0	-7.62
2	5405.400	58.77	51.24	74.00	22.76	PK+	150.0	H	360.0	-7.53

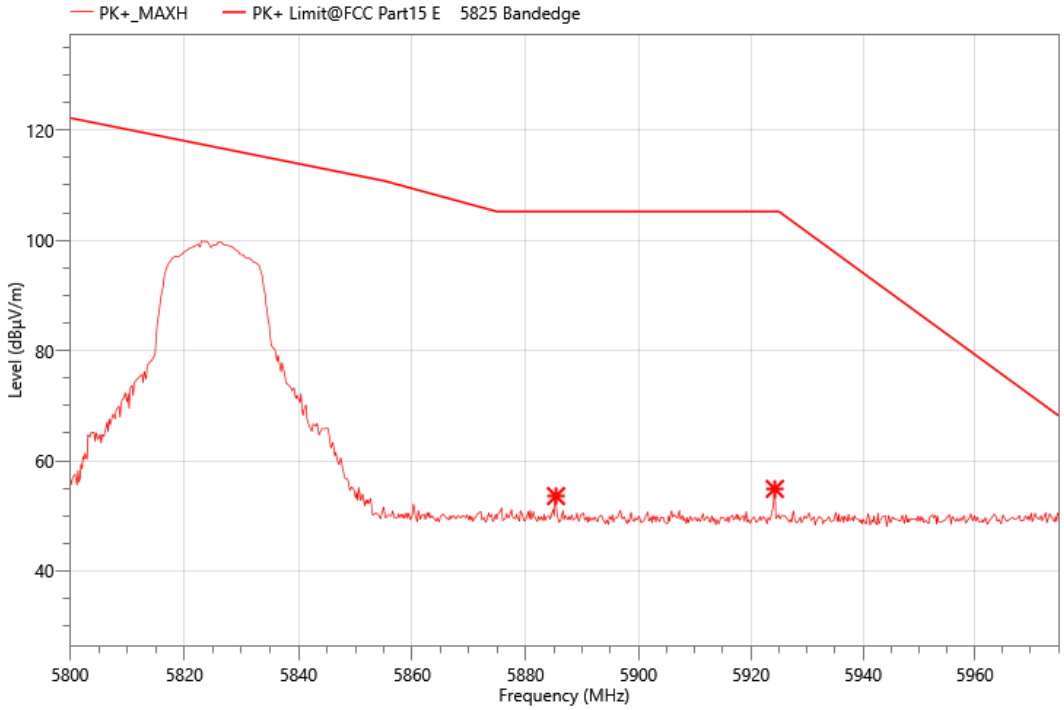
Mode:	A5320
Power:	DC 12V
TE:	BIG
Date	2023/7/12
T/A/P	25℃/55%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	5350.000	56.01	48.39	74.00	25.61	PK+	150.0	V	360.0	-7.62
2	5404.000	57.35	49.82	74.00	24.18	PK+	150.0	V	360.0	-7.53

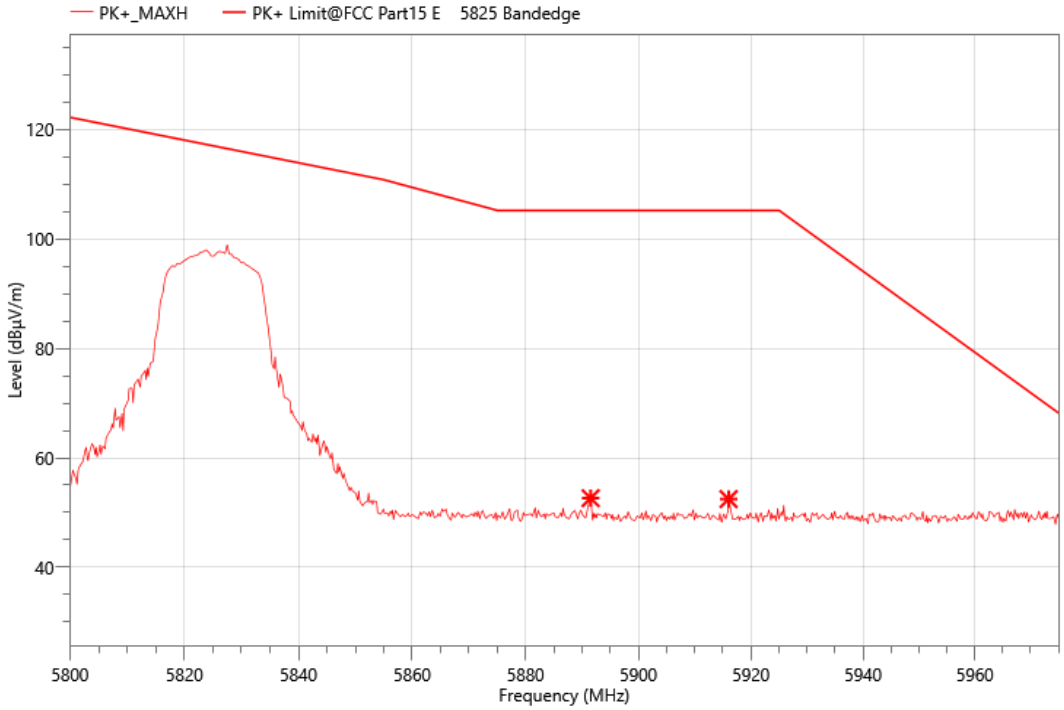
Mode:	A5825
Power:	DC 12V
TE:	BIG
Date	2023/7/12
T/A/P	25℃/55%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	5885.400	59.69	53.60	105.20	51.60	PK+	150.0	V	360.0	-6.09
2	5924.250	60.72	54.90	105.20	50.30	PK+	150.0	V	360.0	-5.82

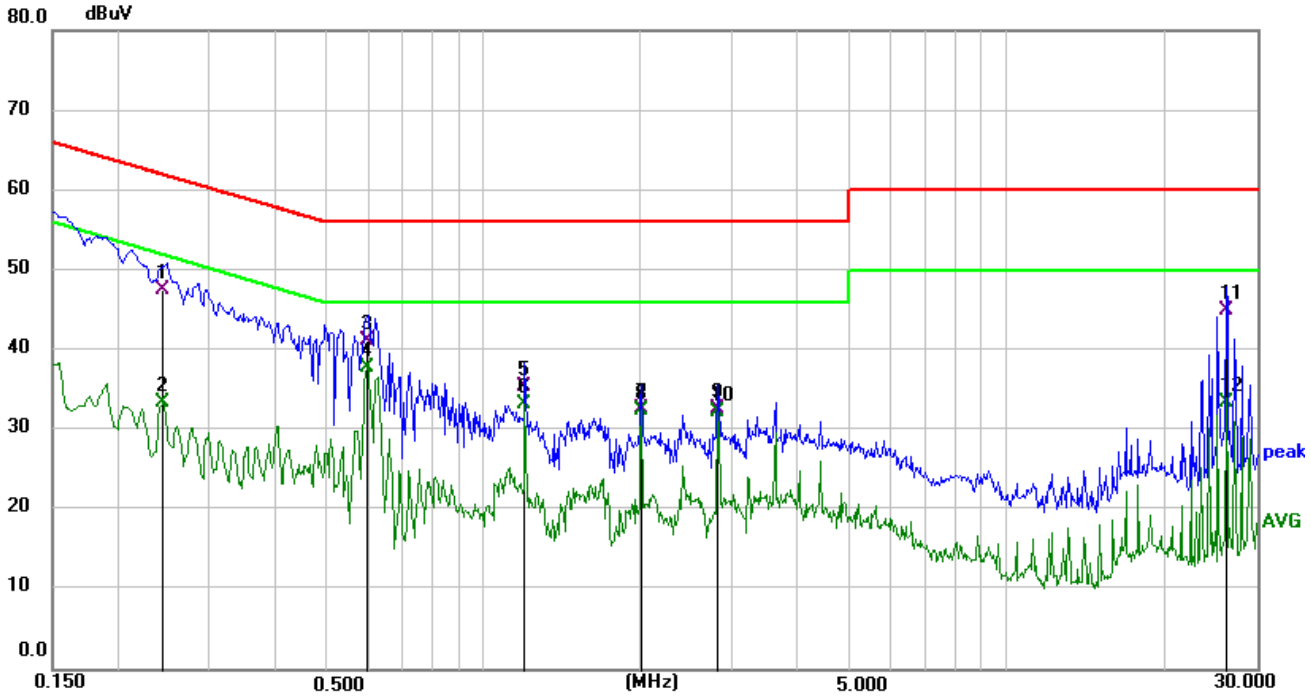
Mode:	A5825
Power:	DC 12V
TE:	BIG
Date	2023/7/12
T/A/P	25℃/55%/101Kpa



Critical_Freqs

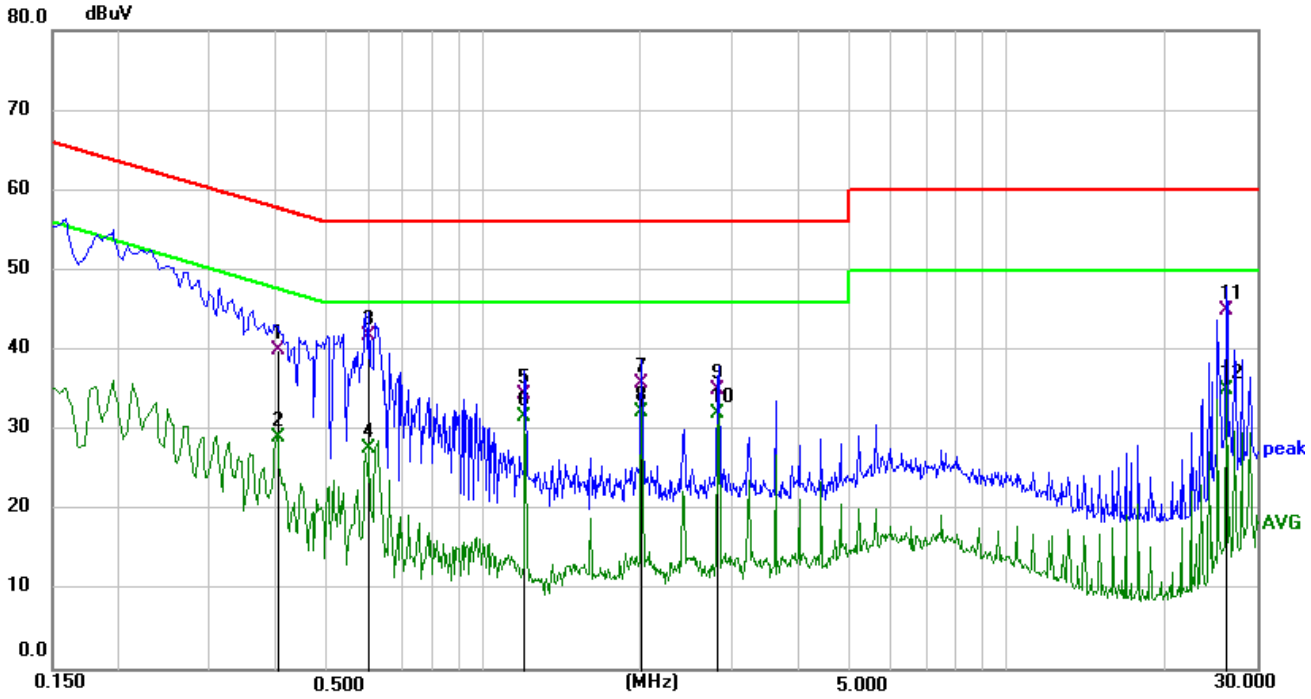
No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)
1	5891.525	58.70	52.64	105.20	52.56	PK+	150.0	H	360.0	-6.06
2	5916.025	58.40	52.47	105.20	52.73	PK+	150.0	H	360.0	-5.93

10. AC Power Line Conducted Emission



Mode:	N40 5190MHz	Phase: L1

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.2442	37.84	9.65	47.49	61.95	-14.46	QP
2	0.2442	23.88	9.65	33.53	51.95	-18.42	AVG
3	0.5980	31.36	9.74	41.10	56.00	-14.90	QP
4	0.5980	28.15	9.74	37.89	46.00	-8.11	AVG
5	1.2030	25.63	9.77	35.40	56.00	-20.60	QP
6	1.2030	23.53	9.77	33.30	46.00	-12.70	AVG
7	2.0040	22.86	9.82	32.68	56.00	-23.32	QP
8	2.0040	22.57	9.82	32.39	46.00	-13.61	AVG
9	2.8050	22.77	9.92	32.69	56.00	-23.31	QP
10	2.8050	22.43	9.92	32.35	46.00	-13.65	AVG
11	26.2500	34.81	10.10	44.91	60.00	-15.09	QP
12	26.2500	23.39	10.10	33.49	50.00	-16.51	AVG



Mode:	N40 5190MHz	Phase: N

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.4020	30.32	9.75	40.07	57.81	-17.74	QP
2	0.4020	19.33	9.75	29.08	47.81	-18.73	AVG
3	0.6045	31.85	9.95	41.80	56.00	-14.20	QP
4	0.6045	17.75	9.95	27.70	46.00	-18.30	AVG
5	1.2030	24.73	9.74	34.47	56.00	-21.53	QP
6	1.2030	21.97	9.74	31.71	46.00	-14.29	AVG
7	2.0040	25.89	9.92	35.81	56.00	-20.19	QP
8	2.0040	22.38	9.92	32.30	46.00	-13.70	AVG
9	2.8093	25.03	9.95	34.98	56.00	-21.02	QP
10	2.8093	22.02	9.95	31.97	46.00	-14.03	AVG
11	26.2500	34.82	10.06	44.88	60.00	-15.12	QP
12	26.2500	24.97	10.06	35.03	50.00	-14.97	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.
5. All the modes have been tested, only the worst data was recorded in the report.