

Appendix A

Duty Cycle

5G U-NII-1:

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	57.57	2.4	0.73
NVNT	a	5200	Ant1	57.57	2.4	0.73
NVNT	a	5240	Ant1	57.61	2.4	0.73
NVNT	n20	5180	Ant1	53.41	2.72	0.87
NVNT	n20	5200	Ant1	53.41	2.72	0.87
NVNT	n20	5240	Ant1	53.41	2.72	0.87
NVNT	n40	5190	Ant1	36.46	4.38	1.74
NVNT	n40	5230	Ant1	36.46	4.38	1.74
NVNT	ac20	5180	Ant1	53.5	2.72	0.87
NVNT	ac20	5200	Ant1	53.5	2.72	0.87
NVNT	ac20	5240	Ant1	53.55	2.71	0.87
NVNT	ac40	5190	Ant1	36.56	4.37	1.73
NVNT	ac40	5230	Ant1	36.56	4.37	1.73
NVNT	ac80	5210	Ant1	22.43	6.49	3.45

5G U-NII-2A:

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	57.63	2.39	0.73
NVNT	a	5280	Ant1	57.59	2.4	0.73
NVNT	a	5320	Ant1	57.59	2.4	0.73
NVNT	n20	5260	Ant1	53.41	2.72	0.87
NVNT	n20	5280	Ant1	53.41	2.72	0.87
NVNT	n20	5320	Ant1	53.41	2.72	0.87
NVNT	n40	5270	Ant1	36.46	4.38	1.74
NVNT	n40	5310	Ant1	36.4	4.39	1.74
NVNT	ac20	5260	Ant1	53.5	2.72	0.87
NVNT	ac20	5280	Ant1	53.5	2.72	0.87
NVNT	ac20	5320	Ant1	53.55	2.71	0.87
NVNT	ac40	5270	Ant1	36.56	4.37	1.73
NVNT	ac40	5310	Ant1	36.56	4.37	1.73
NVNT	ac80	5290	Ant1	7.81	11.07	11.76

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5G U-NII-2C:

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	100	0	0
NVNT	a	5600	Ant1	100	0	0
NVNT	a	5700	Ant1	100	0	0
NVNT	n20	5500	Ant1	100	0	0
NVNT	n20	5600	Ant1	100	0	0
NVNT	n20	5700	Ant1	100	0	0
NVNT	n40	5510	Ant1	100	0	0
NVNT	n40	5590	Ant1	100	0	0
NVNT	n40	5670	Ant1	100	0	0
NVNT	ac20	5500	Ant1	100	0	0
NVNT	ac20	5600	Ant1	100	0	0
NVNT	ac20	5700	Ant1	100	0	0
NVNT	ac40	5510	Ant1	0	0	∞
NVNT	ac40	5590	Ant1	100	0	0
NVNT	ac40	5670	Ant1	100	0	0
NVNT	ac80	5530	Ant1	100	0	0
NVNT	ac80	5610	Ant1	100	0	0

5G U-NII-3:

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	100	0	0
NVNT	a	5785	Ant1	100	0	0
NVNT	a	5825	Ant1	100	0	0
NVNT	n20	5745	Ant1	100	0	0
NVNT	n20	5785	Ant1	100	0	0
NVNT	n20	5825	Ant1	100	0	0
NVNT	n40	5755	Ant1	100	0	0
NVNT	n40	5795	Ant1	100	0	0
NVNT	ac20	5745	Ant1	100	0	0
NVNT	ac20	5785	Ant1	100	0	0
NVNT	ac20	5825	Ant1	100	0	0
NVNT	ac40	5755	Ant1	100	0	0
NVNT	ac40	5795	Ant1	100	0	0
NVNT	ac80	5775	Ant1	100	0	0

Maximum Conducted Output Power

5G U-NII-1:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.26	2.4	12.66	24	Pass
NVNT	a	5200	Ant1	10.13	2.4	12.53	24	Pass
NVNT	a	5240	Ant1	10.7	2.4	13.1	24	Pass
NVNT	n20	5180	Ant1	9.68	2.72	12.4	24	Pass
NVNT	n20	5200	Ant1	9.94	2.72	12.66	24	Pass
NVNT	n20	5240	Ant1	10.66	2.72	13.38	24	Pass
NVNT	n40	5190	Ant1	6.38	4.38	10.76	24	Pass
NVNT	n40	5230	Ant1	7.51	4.38	11.89	24	Pass
NVNT	ac20	5180	Ant1	10.12	2.72	12.84	24	Pass
NVNT	ac20	5200	Ant1	9.88	2.72	12.6	24	Pass
NVNT	ac20	5240	Ant1	10.44	2.71	13.15	24	Pass
NVNT	ac40	5190	Ant1	7.13	4.37	11.5	24	Pass
NVNT	ac40	5230	Ant1	7.91	4.37	12.28	24	Pass
NVNT	ac80	5210	Ant1	5.28	6.49	11.77	24	Pass

5G U-NII-2A:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	11.33	2.39	13.72	24	Pass
NVNT	a	5280	Ant1	10.59	2.4	12.99	24	Pass
NVNT	a	5320	Ant1	10.82	2.4	13.22	24	Pass
NVNT	n20	5260	Ant1	10.37	2.72	13.09	24	Pass
NVNT	n20	5280	Ant1	10.62	2.72	13.34	24	Pass
NVNT	n20	5320	Ant1	10.35	2.72	13.07	24	Pass
NVNT	n40	5270	Ant1	7.26	4.38	11.64	24	Pass
NVNT	n40	5310	Ant1	7.69	4.39	12.08	24	Pass
NVNT	ac20	5260	Ant1	10.53	2.72	13.25	24	Pass
NVNT	ac20	5280	Ant1	10.55	2.72	13.27	24	Pass
NVNT	ac20	5320	Ant1	10.44	2.71	13.15	24	Pass
NVNT	ac40	5270	Ant1	7.43	4.37	11.8	24	Pass
NVNT	ac40	5310	Ant1	7.7	4.37	12.07	24	Pass
NVNT	ac80	5290	Ant1	2.54	11.07	13.61	24	Pass

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5G U-NII-2C:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	11.34	0	11.34	24	Pass
NVNT	a	5600	Ant1	9.54	0	9.54	24	Pass
NVNT	a	5700	Ant1	9.82	0	9.82	24	Pass
NVNT	n20	5500	Ant1	9.35	0	9.35	24	Pass
NVNT	n20	5600	Ant1	8.91	0	8.91	24	Pass
NVNT	n20	5700	Ant1	9.72	0	9.72	24	Pass
NVNT	n40	5510	Ant1	9.07	0	9.07	24	Pass
NVNT	n40	5590	Ant1	9.26	0	9.26	24	Pass
NVNT	n40	5670	Ant1	9.66	0	9.66	24	Pass
NVNT	ac20	5500	Ant1	8.98	0	8.98	24	Pass
NVNT	ac20	5600	Ant1	9.36	0	9.36	24	Pass
NVNT	ac20	5700	Ant1	9.95	0	9.95	24	Pass
NVNT	ac40	5510	Ant1	9.87	0	9.87	24	Pass
NVNT	ac40	5590	Ant1	9.24	0	9.24	24	Pass
NVNT	ac40	5670	Ant1	9.46	0	9.46	24	Pass
NVNT	ac80	5530	Ant1	7.83	0	7.83	24	Pass
NVNT	ac80	5610	Ant1	8.98	0	8.98	24	Pass

5G U-NII-3:

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.64	0	9.64	30	Pass
NVNT	a	5785	Ant1	9.71	0	9.71	30	Pass
NVNT	a	5825	Ant1	9.17	0	9.17	30	Pass
NVNT	n20	5745	Ant1	9.97	0	9.97	30	Pass
NVNT	n20	5785	Ant1	9.49	0	9.49	30	Pass
NVNT	n20	5825	Ant1	9.25	0	9.25	30	Pass
NVNT	n40	5755	Ant1	7.11	0	7.11	30	Pass
NVNT	n40	5795	Ant1	7.02	0	7.02	30	Pass
NVNT	ac20	5745	Ant1	9.35	0	9.35	30	Pass
NVNT	ac20	5785	Ant1	9.52	0	9.52	30	Pass
NVNT	ac20	5825	Ant1	9.32	0	9.32	30	Pass
NVNT	ac40	5755	Ant1	6.73	0	6.73	30	Pass
NVNT	ac40	5795	Ant1	6.99	0	6.99	30	Pass
NVNT	ac80	5775	Ant1	6.7	0	6.7	30	Pass

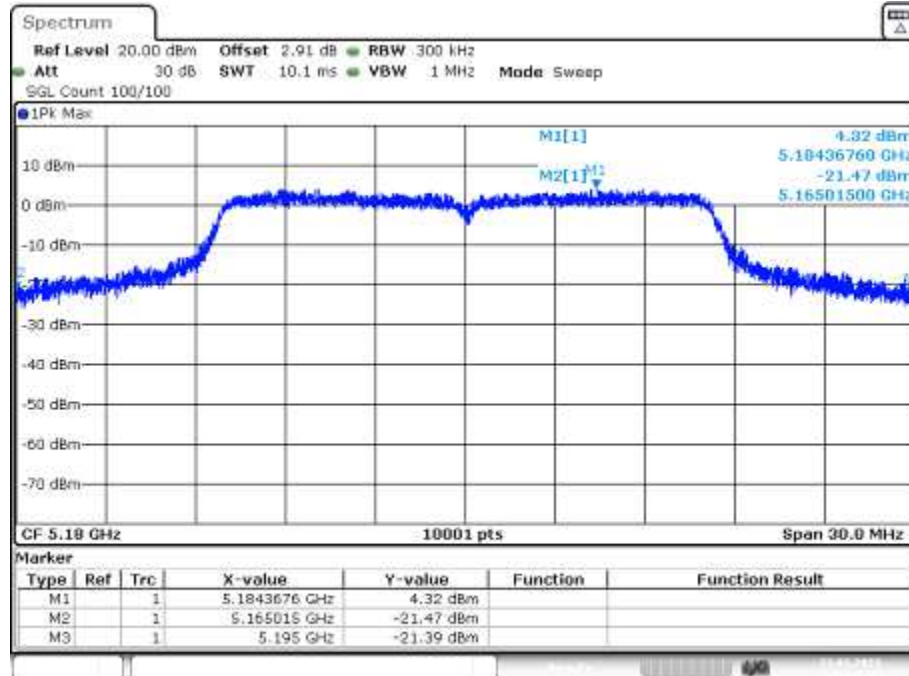
-26dB Bandwidth

5G U-NII-1:

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	29.985	0.5	Pass
NVNT	a	5200	Ant1	30	0.5	Pass
NVNT	a	5240	Ant1	29.991	0.5	Pass
NVNT	n20	5180	Ant1	29.982	0.5	Pass
NVNT	n20	5200	Ant1	29.985	0.5	Pass
NVNT	n20	5240	Ant1	30	0.5	Pass
NVNT	n40	5190	Ant1	59.994	0.5	Pass
NVNT	n40	5230	Ant1	52.968	0.5	Pass
NVNT	ac20	5180	Ant1	29.997	0.5	Pass
NVNT	ac20	5200	Ant1	30	0.5	Pass
NVNT	ac20	5240	Ant1	30	0.5	Pass
NVNT	ac40	5190	Ant1	47.766	0.5	Pass
NVNT	ac40	5230	Ant1	52.602	0.5	Pass
NVNT	ac80	5210	Ant1	82.188	0.5	Pass

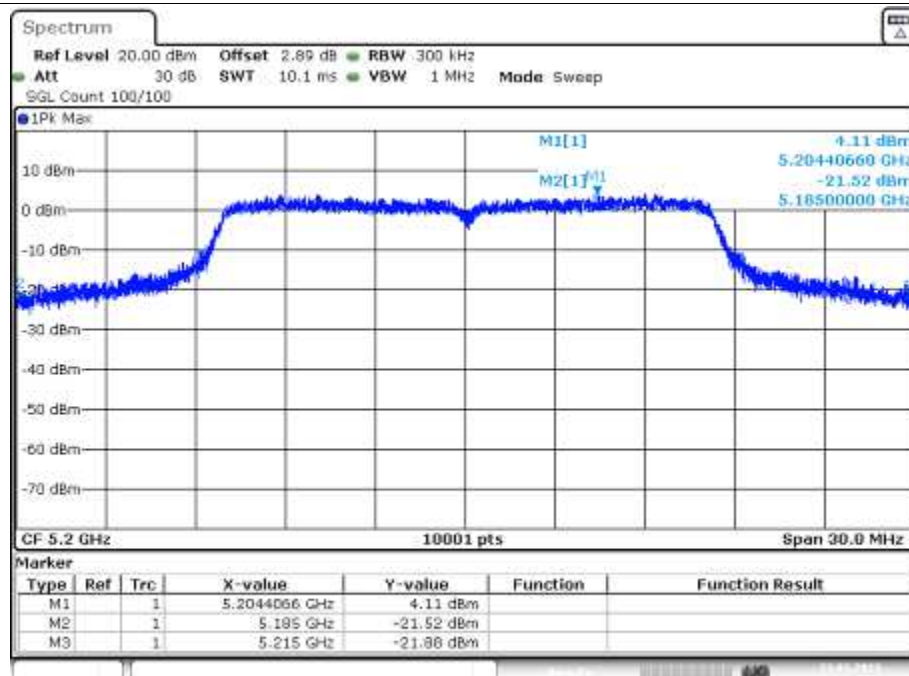
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



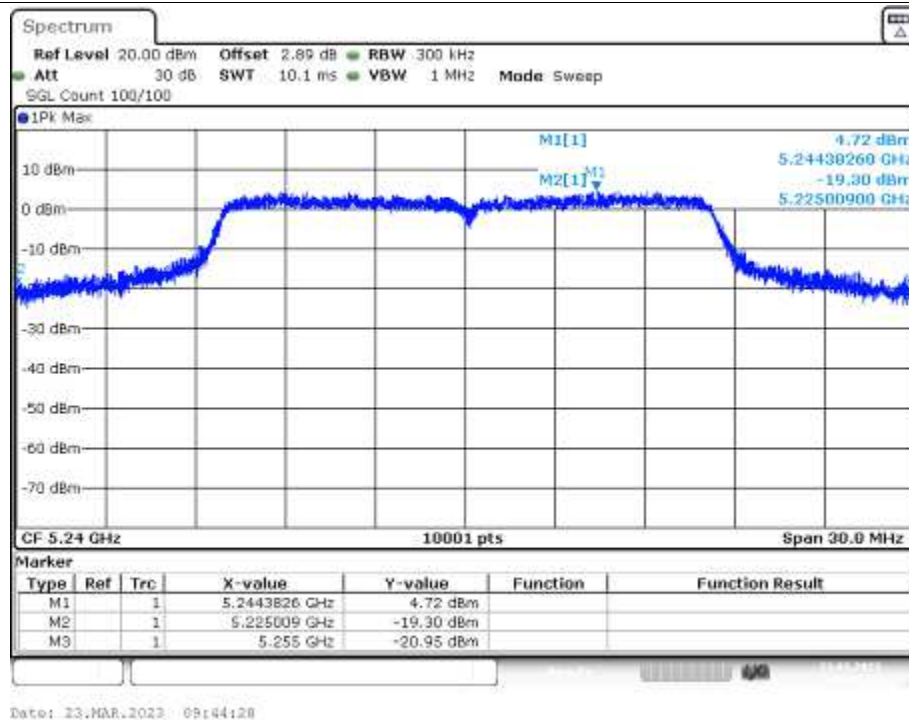
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-26dB Bandwidth NVNT a 5200MHz Ant1

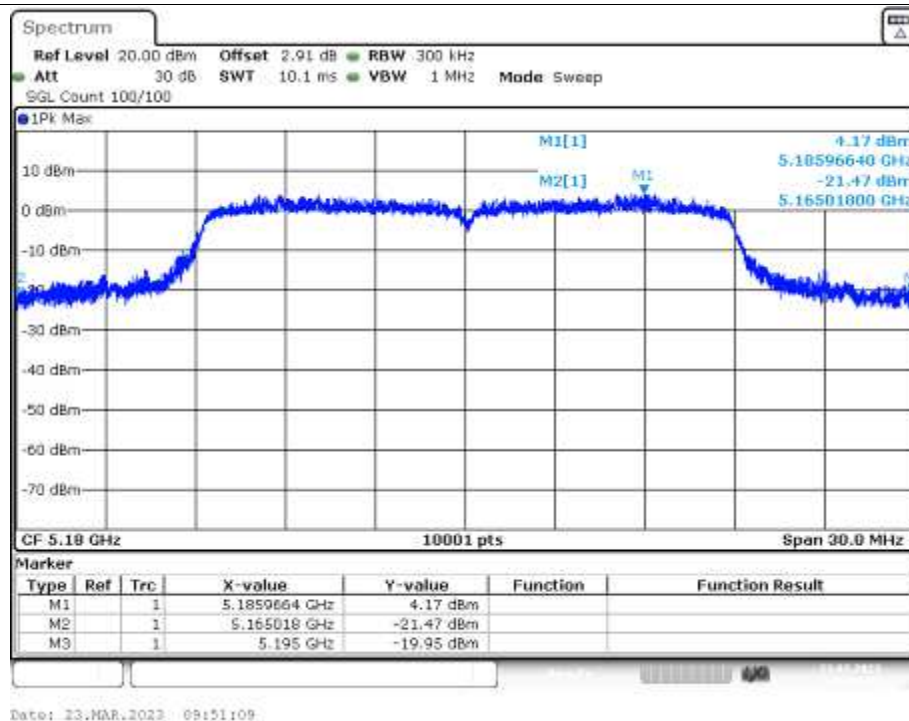


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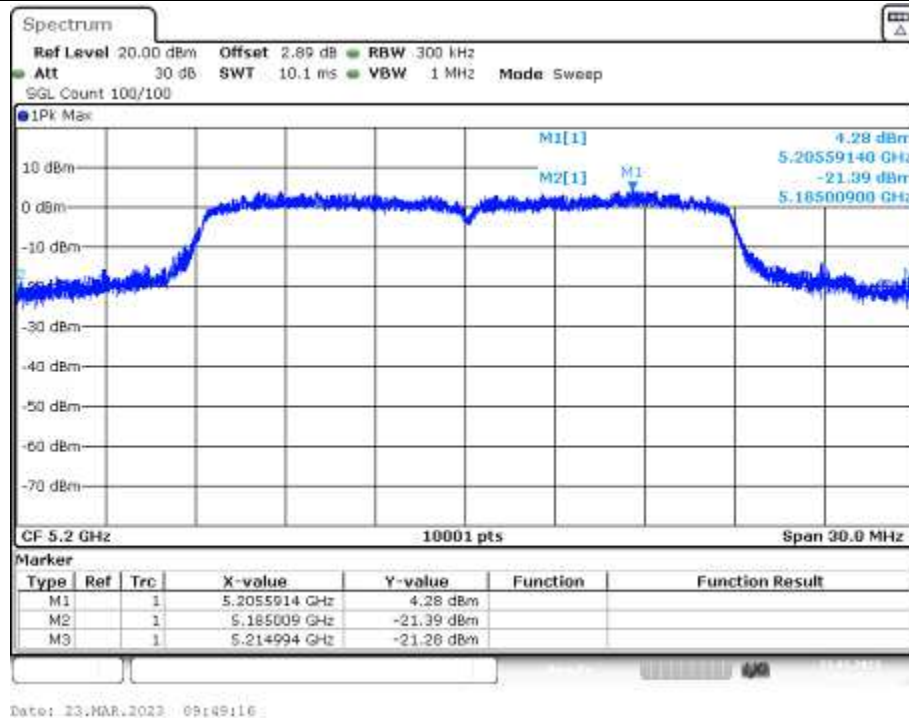
-26dB Bandwidth NVNT a 5240MHz Ant1



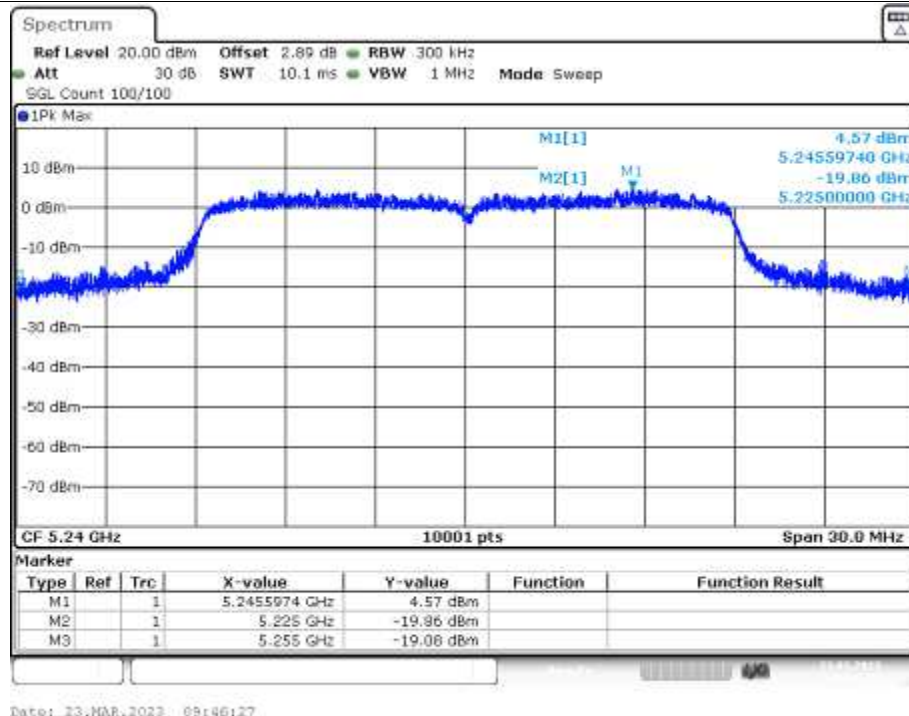
-26dB Bandwidth NVNT n20 5180MHz Ant1



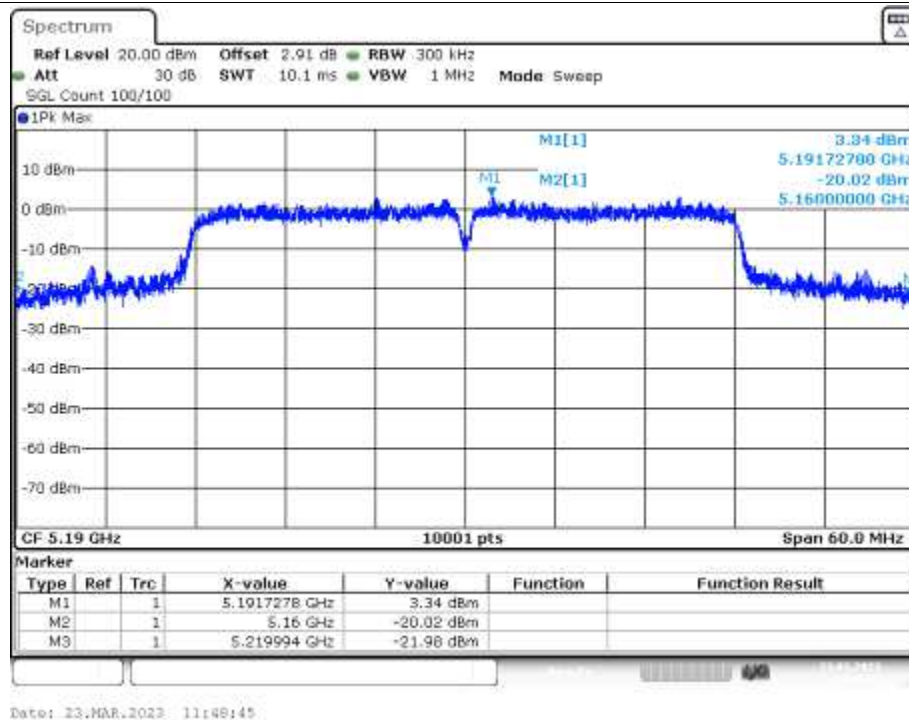
-26dB Bandwidth NVNT n20 5200MHz Ant1



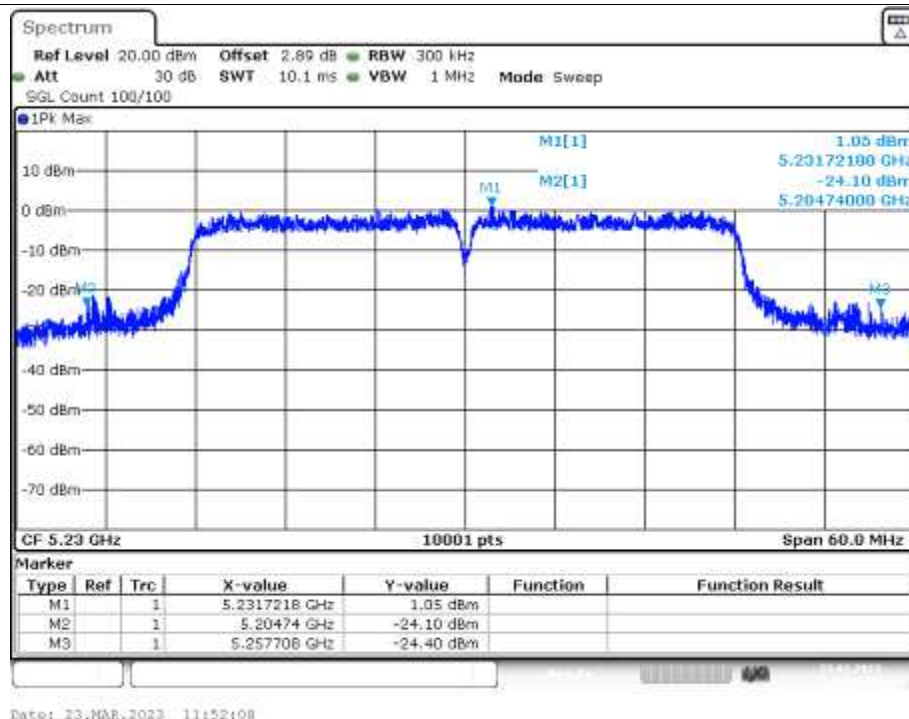
-26dB Bandwidth NVNT n20 5240MHz Ant1



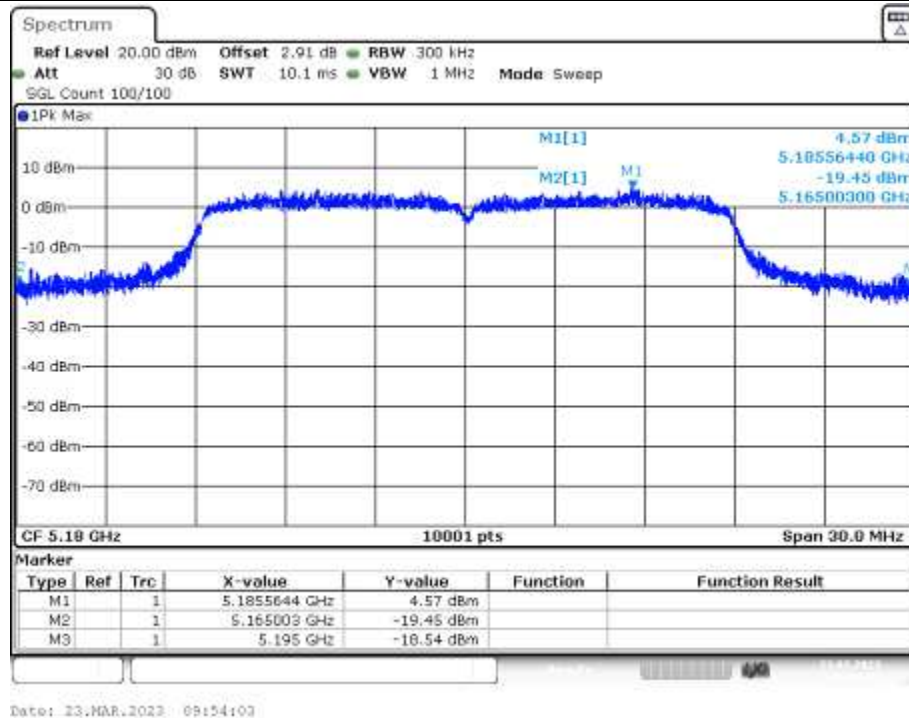
-26dB Bandwidth NVNT n40 5190MHz Ant1



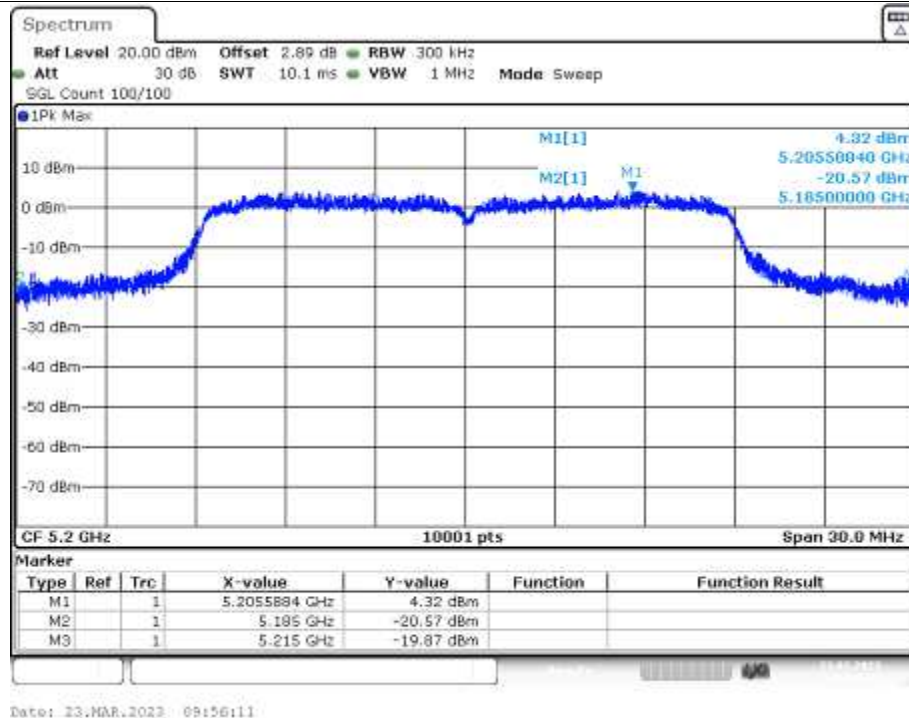
-26dB Bandwidth NVNT n40 5230MHz Ant1



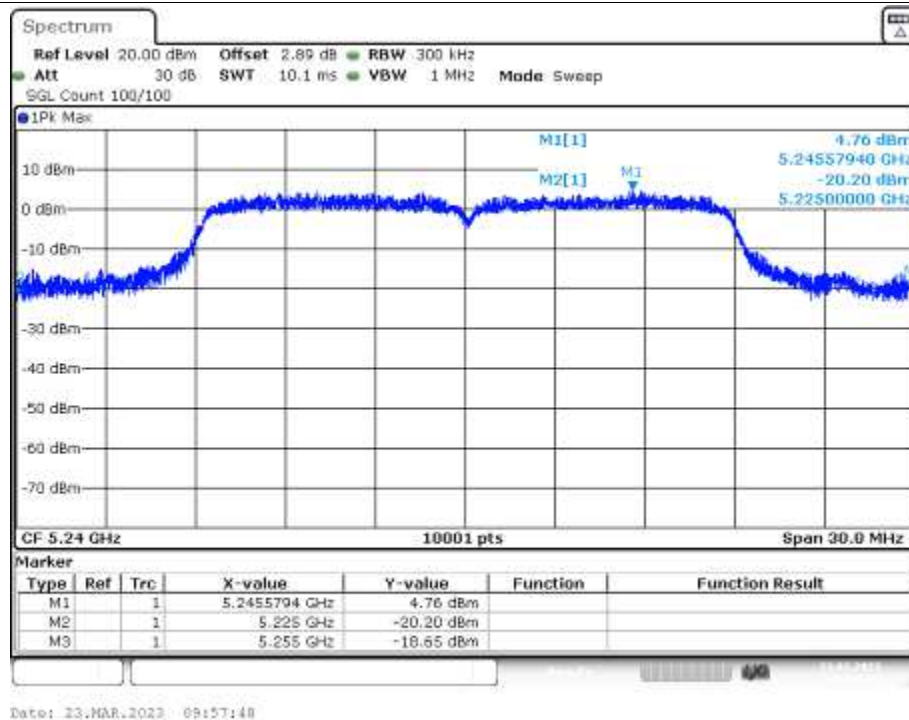
-26dB Bandwidth NVNT ac20 5180MHz Ant1



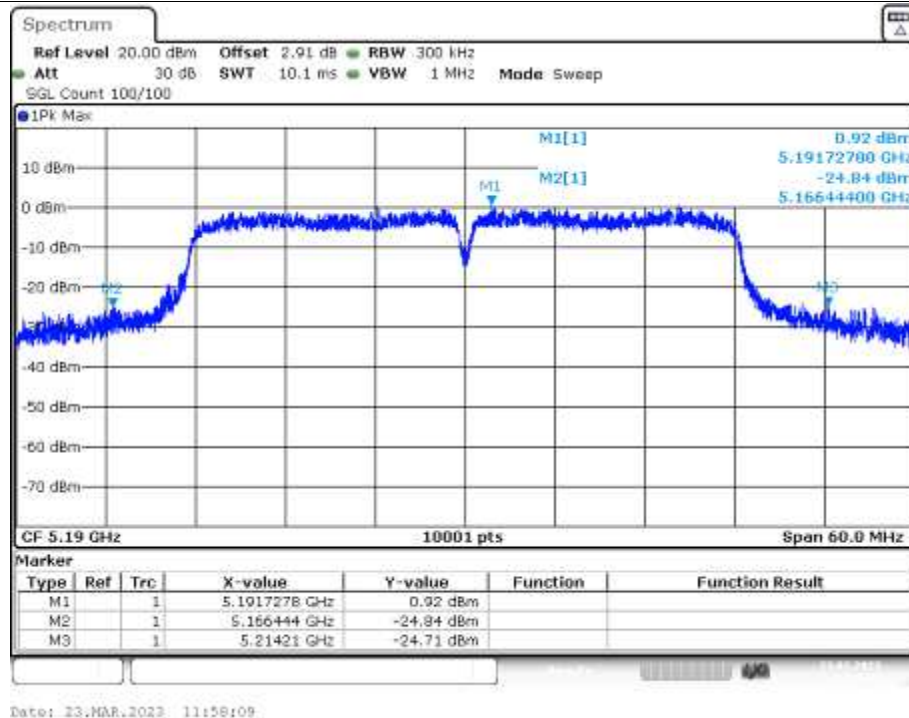
-26dB Bandwidth NVNT ac20 5200MHz Ant1



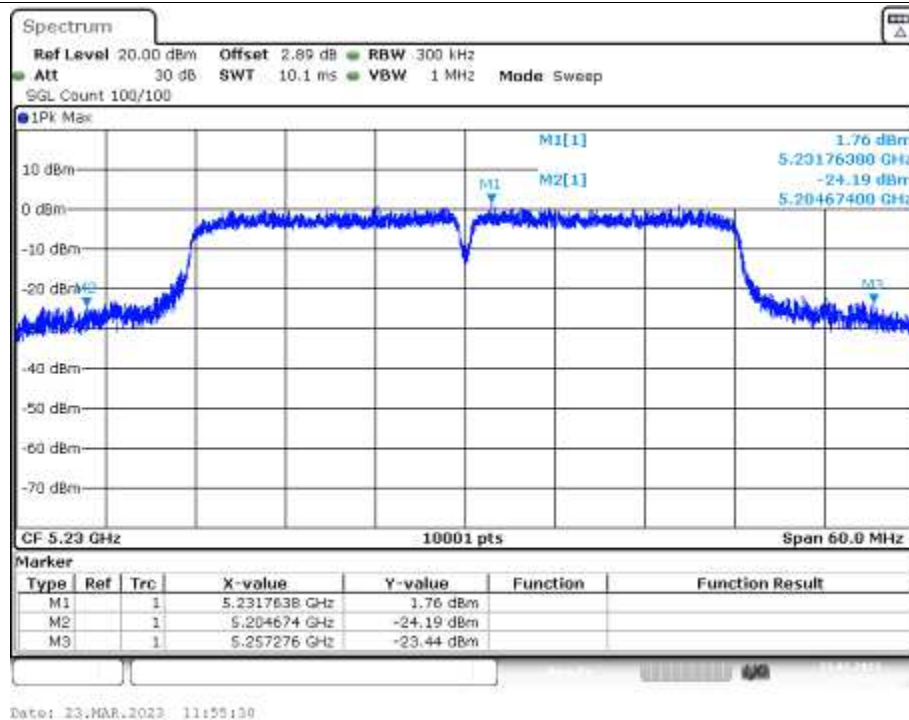
-26dB Bandwidth NVNT ac20 5240MHz Ant1



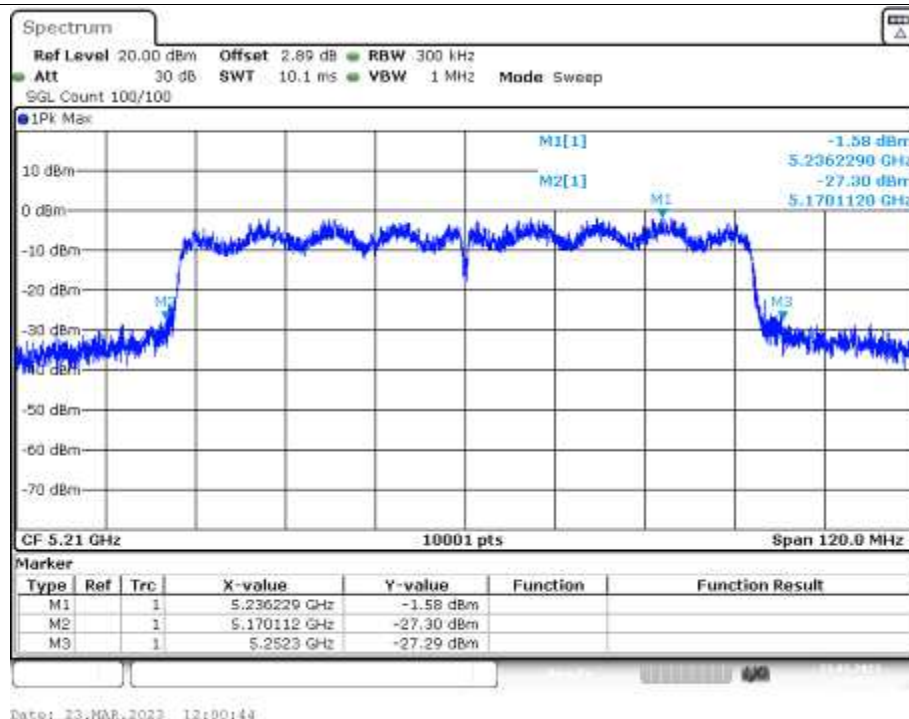
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



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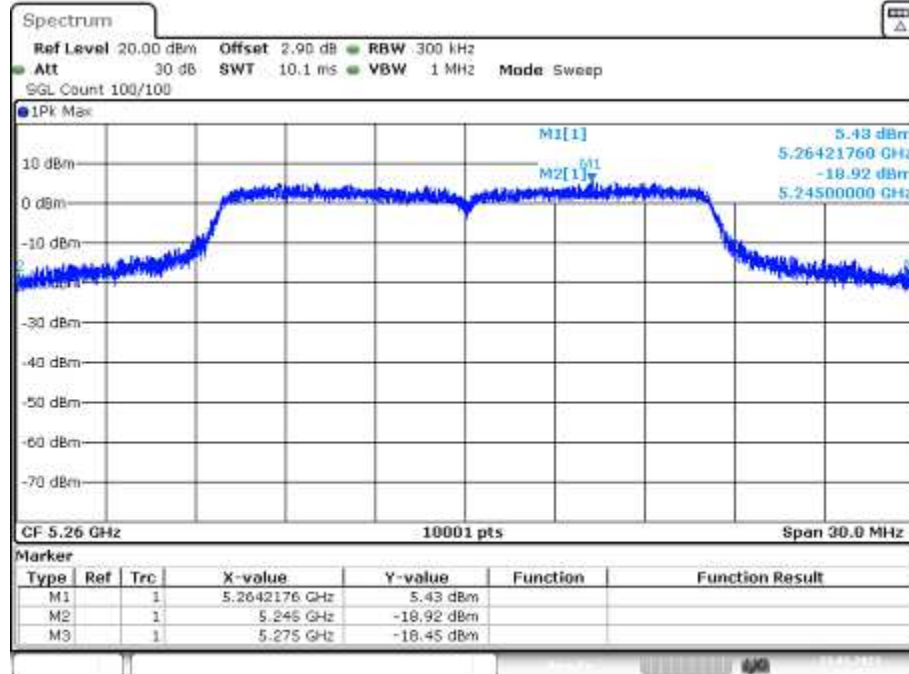
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5G U-NII-2A:

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	30	0.5	Pass
NVNT	a	5280	Ant1	30	0.5	Pass
NVNT	a	5320	Ant1	29.988	0.5	Pass
NVNT	n20	5260	Ant1	29.982	0.5	Pass
NVNT	n20	5280	Ant1	30	0.5	Pass
NVNT	n20	5320	Ant1	30	0.5	Pass
NVNT	n40	5270	Ant1	53.1	0.5	Pass
NVNT	n40	5310	Ant1	53.232	0.5	Pass
NVNT	ac20	5260	Ant1	29.994	0.5	Pass
NVNT	ac20	5280	Ant1	30	0.5	Pass
NVNT	ac20	5320	Ant1	30	0.5	Pass
NVNT	ac40	5270	Ant1	50.076	0.5	Pass
NVNT	ac40	5310	Ant1	52.59	0.5	Pass
NVNT	ac80	5290	Ant1	98.364	0.5	Pass

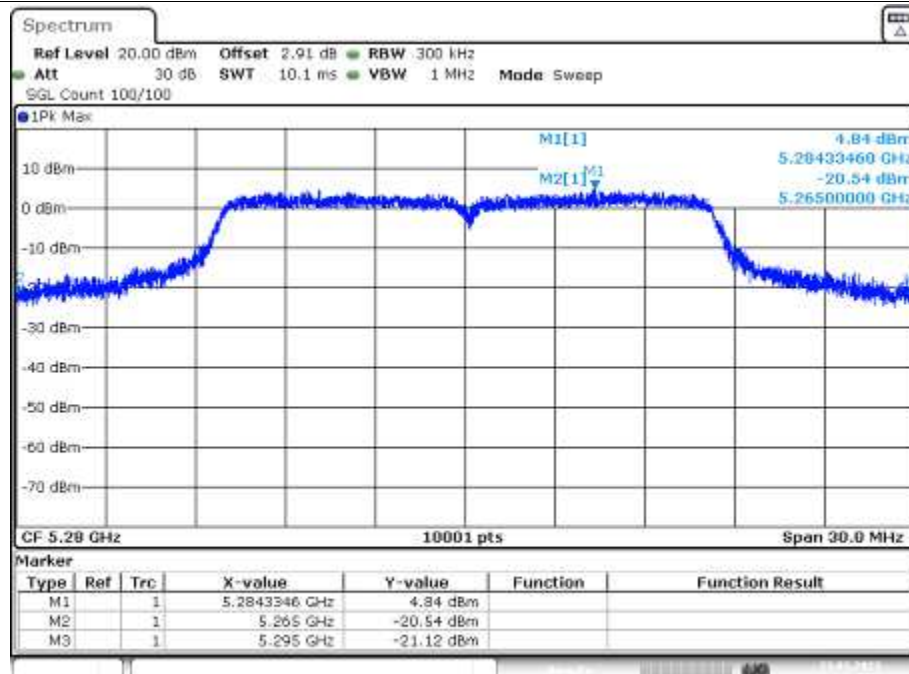
Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1



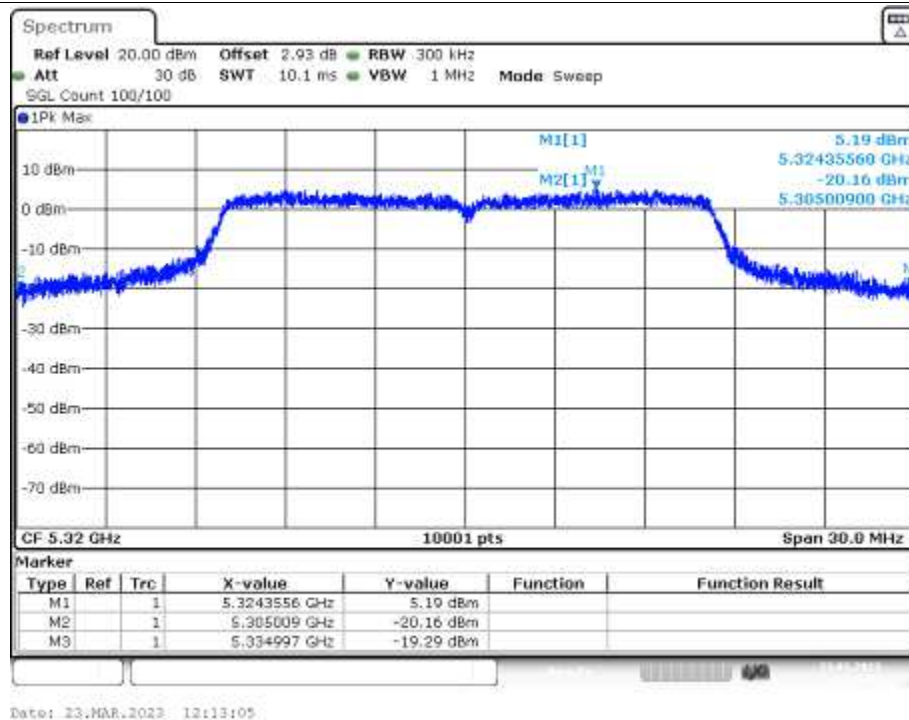
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-26dB Bandwidth NVNT a 5280MHz Ant1

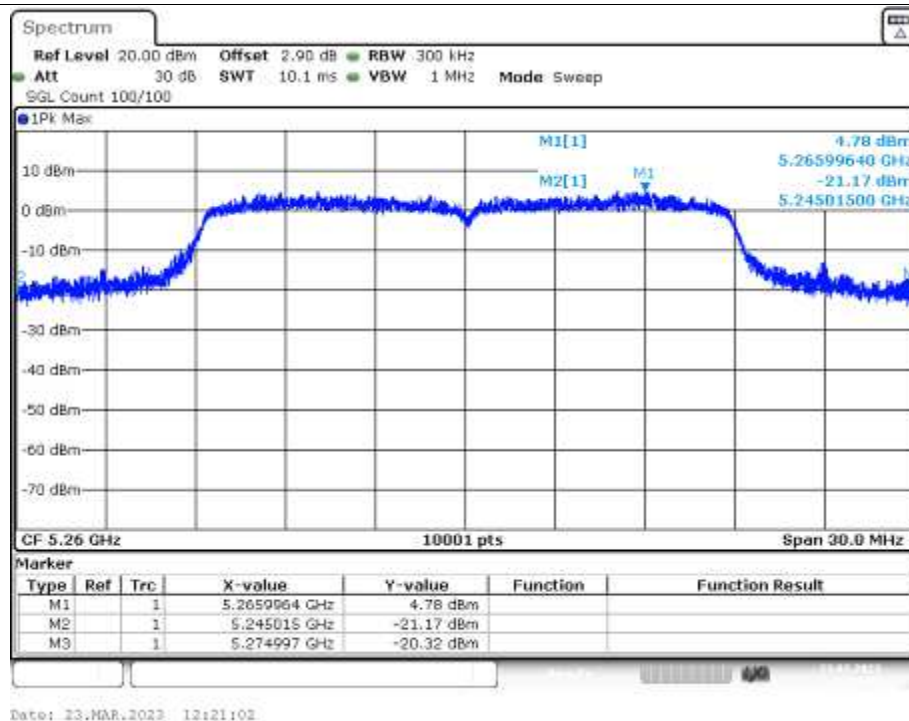


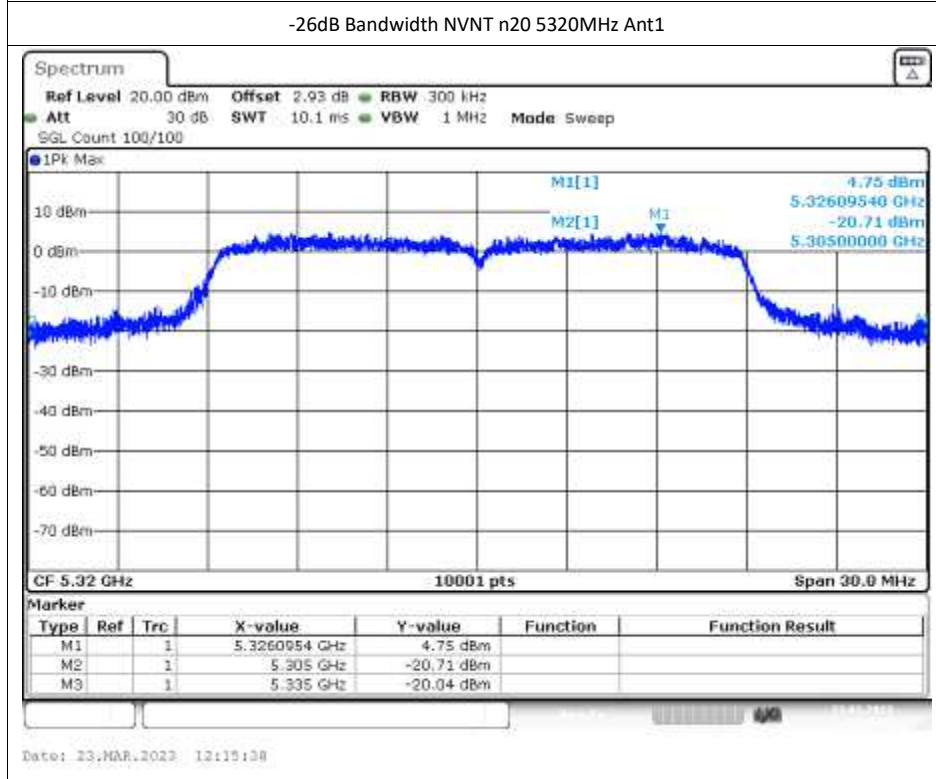
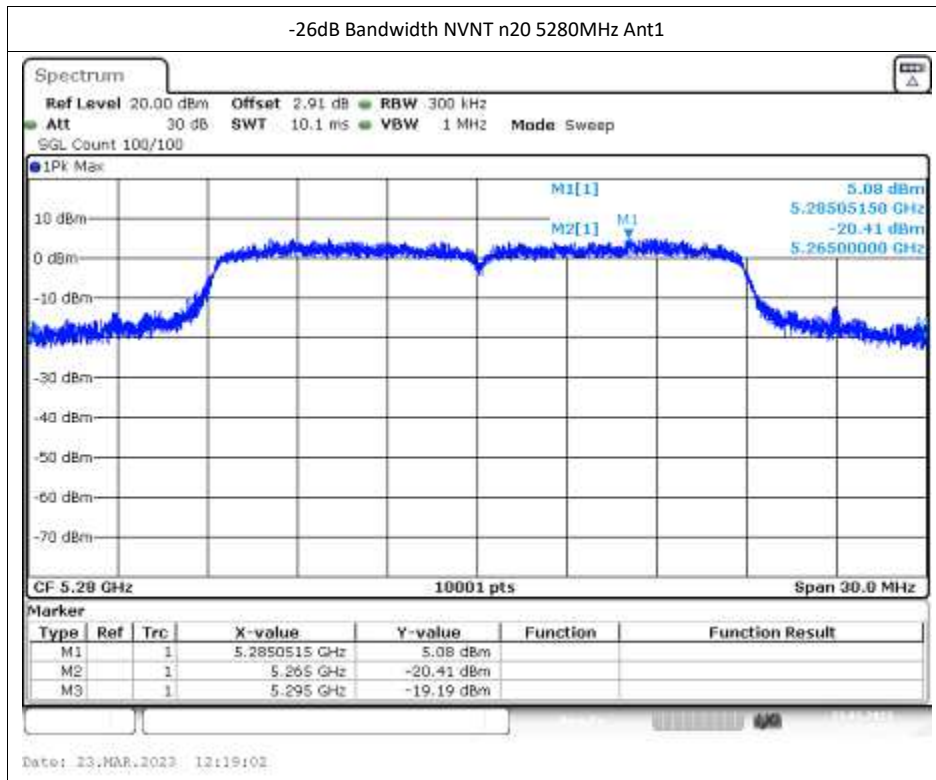
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-26dB Bandwidth NVNT a 5320MHz Ant1

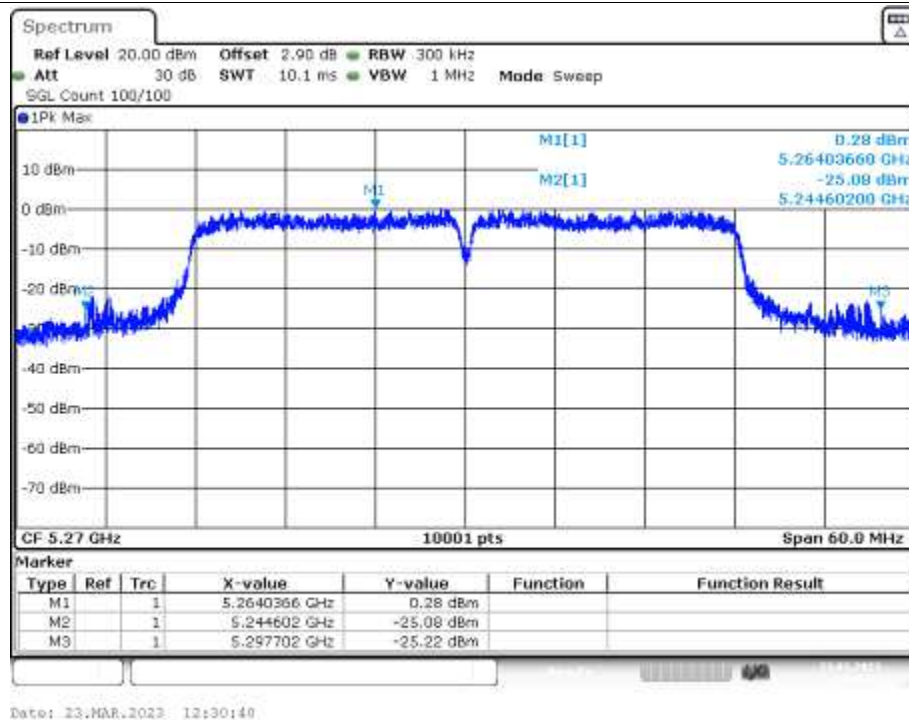


-26dB Bandwidth NVNT n20 5260MHz Ant1

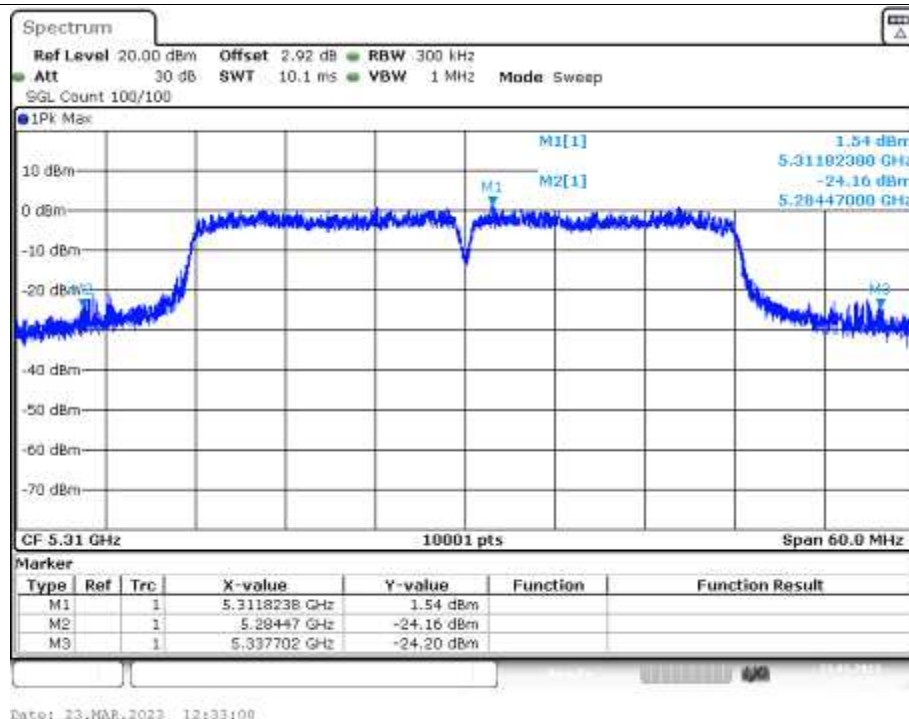


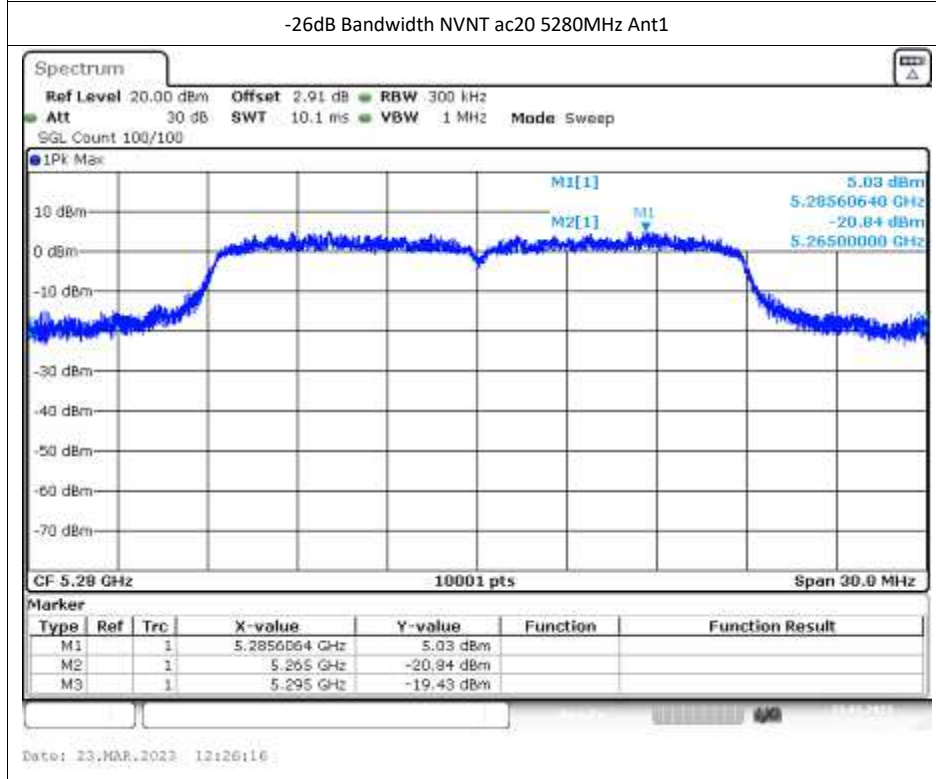
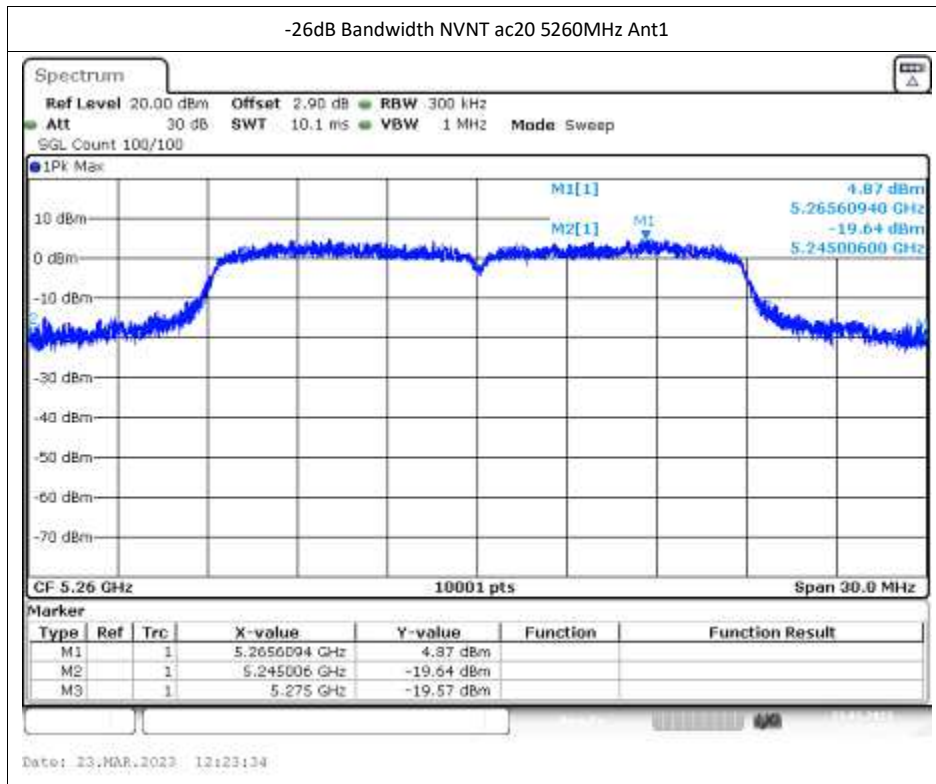


-26dB Bandwidth NVNT n40 5270MHz Ant1

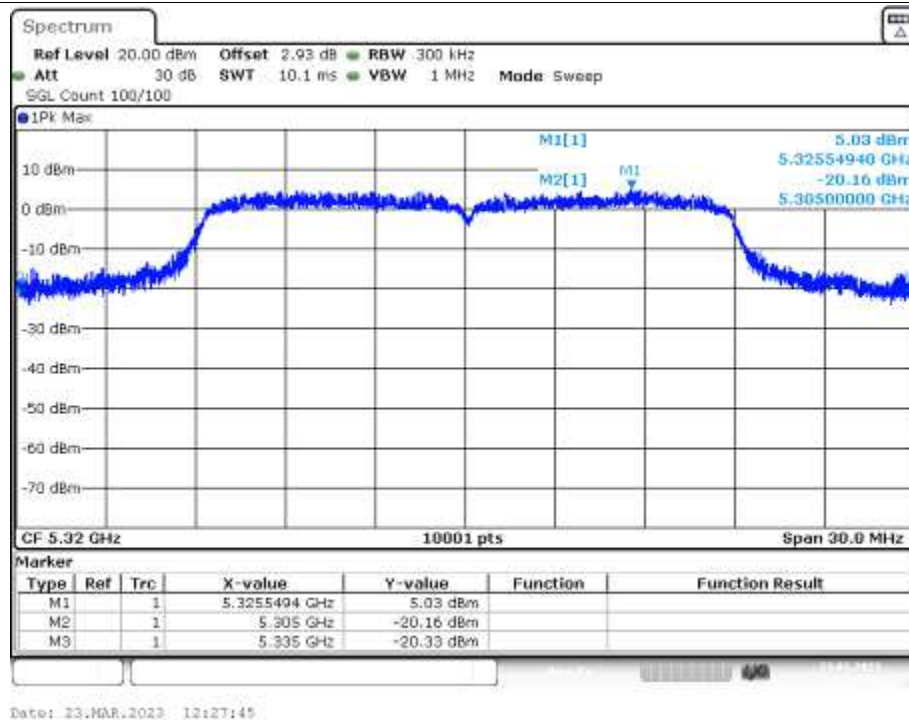


-26dB Bandwidth NVNT n40 5310MHz Ant1

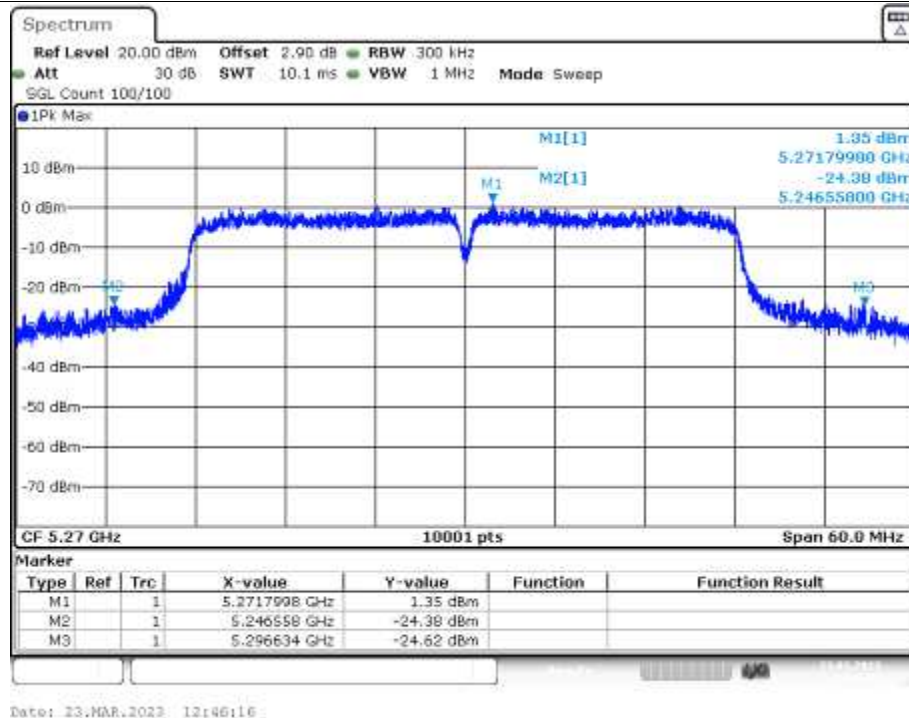




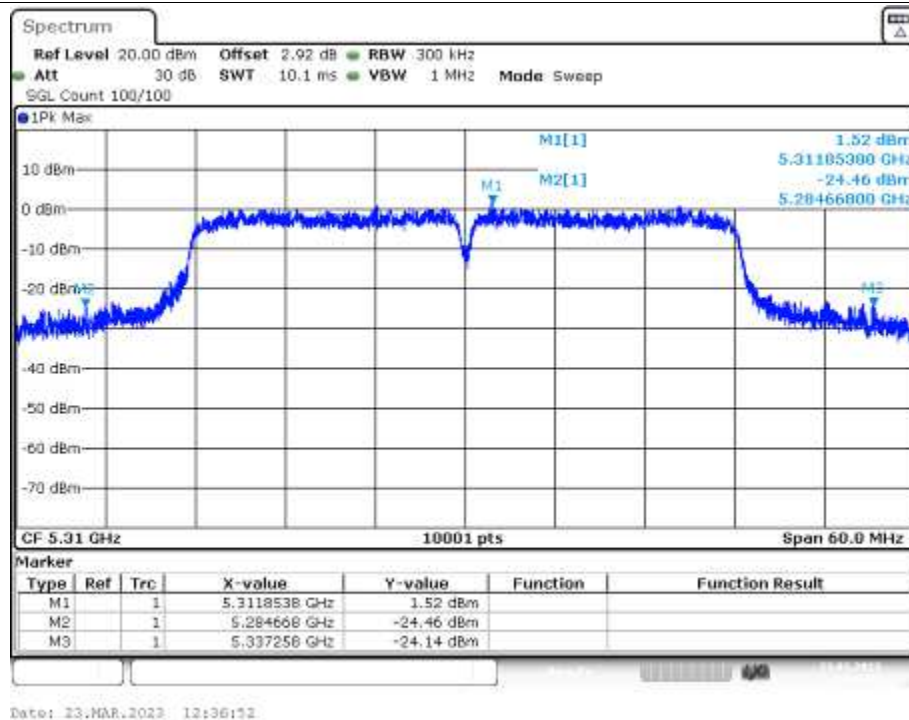
-26dB Bandwidth NVNT ac20 5320MHz Ant1



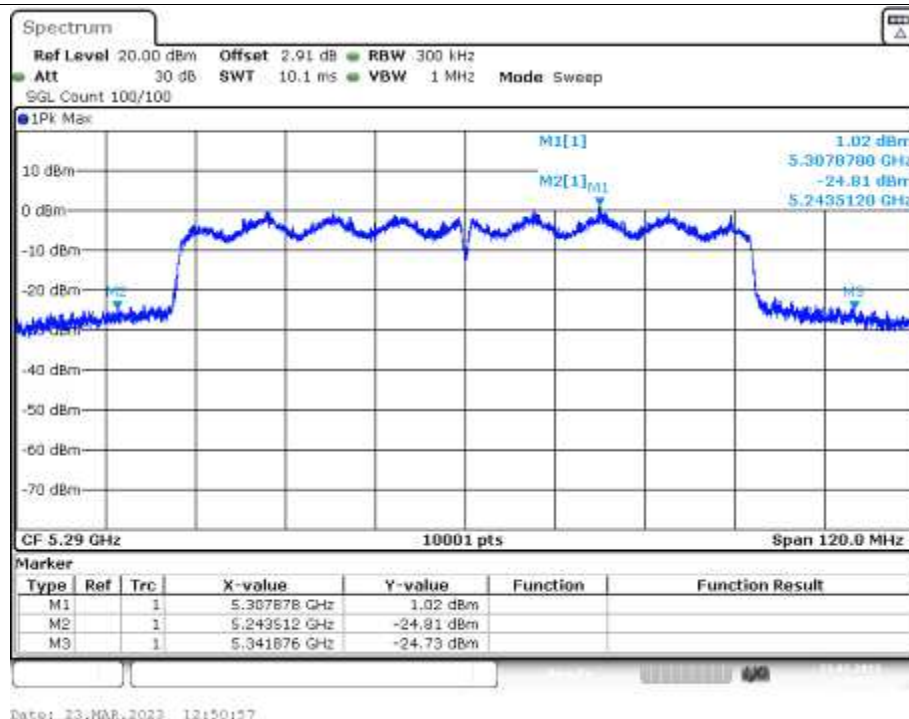
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1

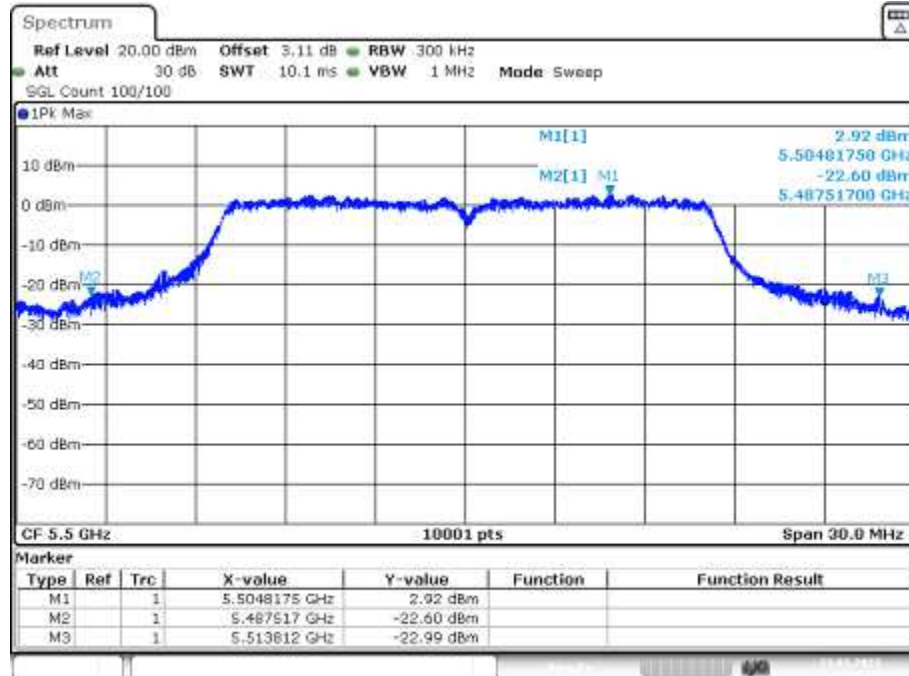


5G U-NII-2C:

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	26.295	0.5	Pass
NVNT	a	5600	Ant1	24.387	0.5	Pass
NVNT	a	5700	Ant1	25.437	0.5	Pass
NVNT	n20	5500	Ant1	21.933	0.5	Pass
NVNT	n20	5600	Ant1	21.933	0.5	Pass
NVNT	n20	5700	Ant1	24.741	0.5	Pass
NVNT	n40	5510	Ant1	41.178	0.5	Pass
NVNT	n40	5590	Ant1	41.328	0.5	Pass
NVNT	n40	5670	Ant1	46.086	0.5	Pass
NVNT	ac20	5500	Ant1	21.414	0.5	Pass
NVNT	ac20	5600	Ant1	21.492	0.5	Pass
NVNT	ac20	5700	Ant1	25.881	0.5	Pass
NVNT	ac40	5510	Ant1	40.722	0.5	Pass
NVNT	ac40	5590	Ant1	40.734	0.5	Pass
NVNT	ac40	5670	Ant1	42.546	0.5	Pass
NVNT	ac80	5530	Ant1	79.44	0.5	Pass
NVNT	ac80	5610	Ant1	79.284	0.5	Pass

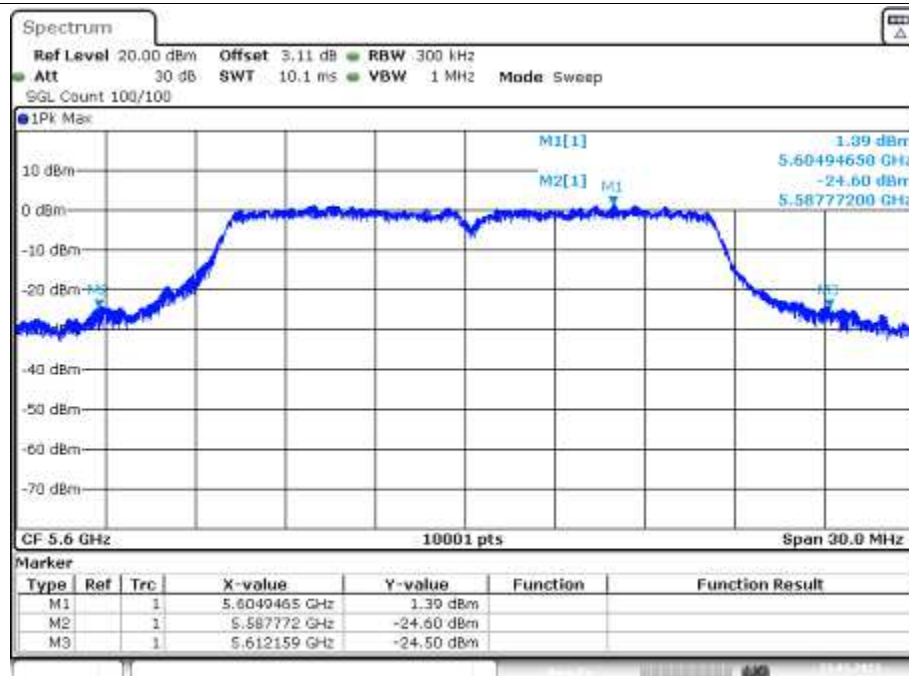
Test Graphs

-26dB Bandwidth NVNT a 5500MHz Ant1



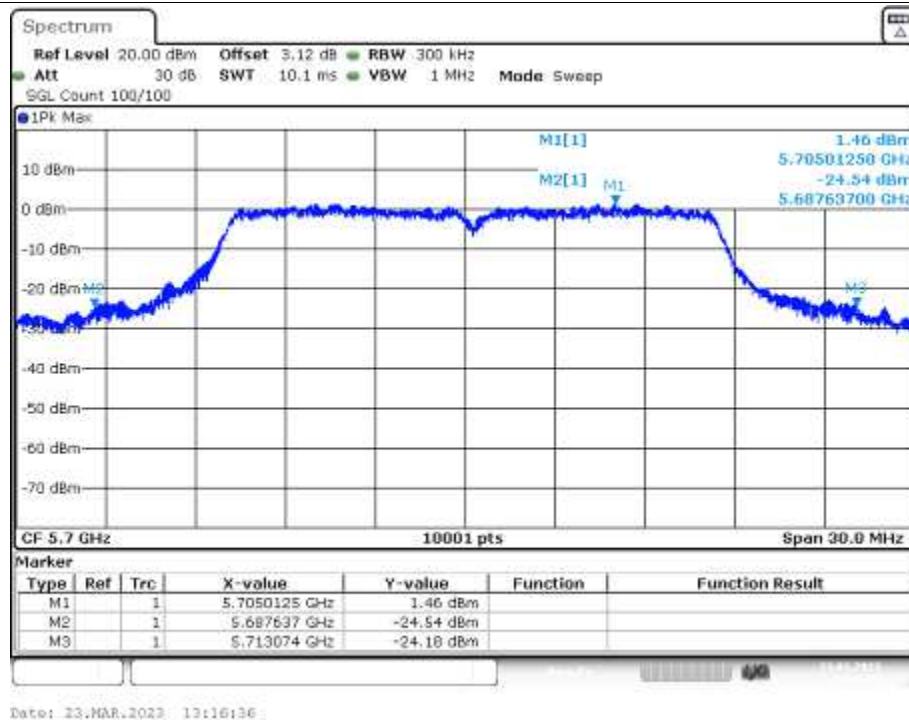
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-26dB Bandwidth NVNT a 5600MHz Ant1

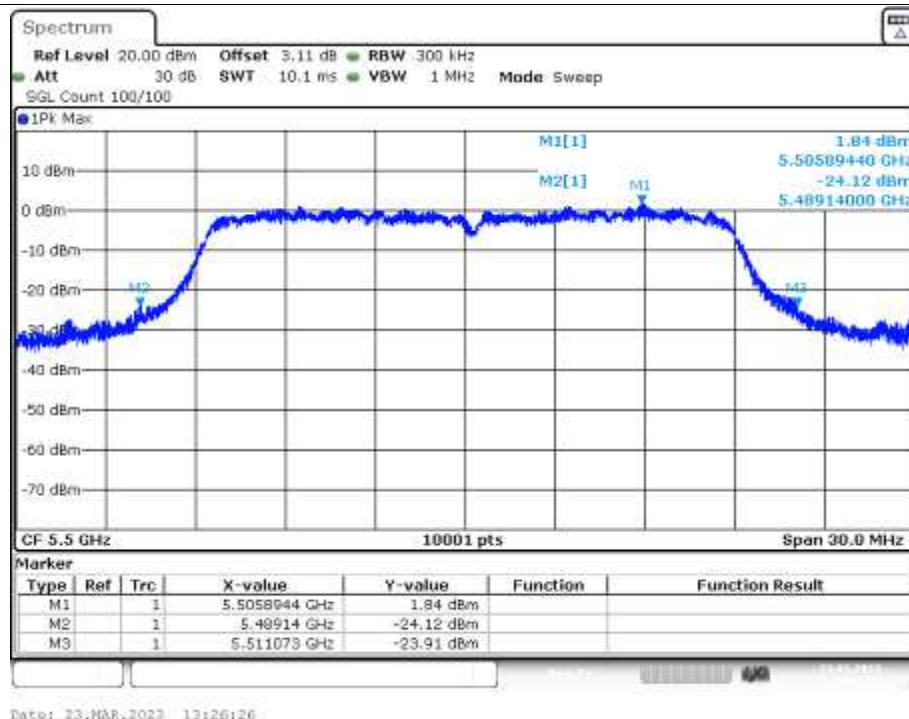


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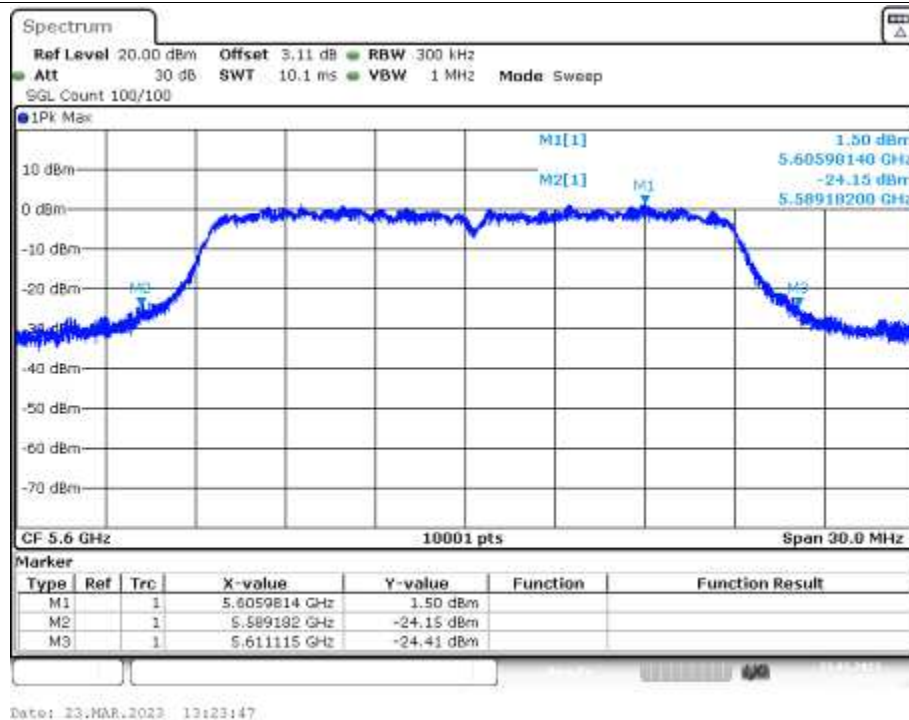
-26dB Bandwidth NVNT a 5700MHz Ant1



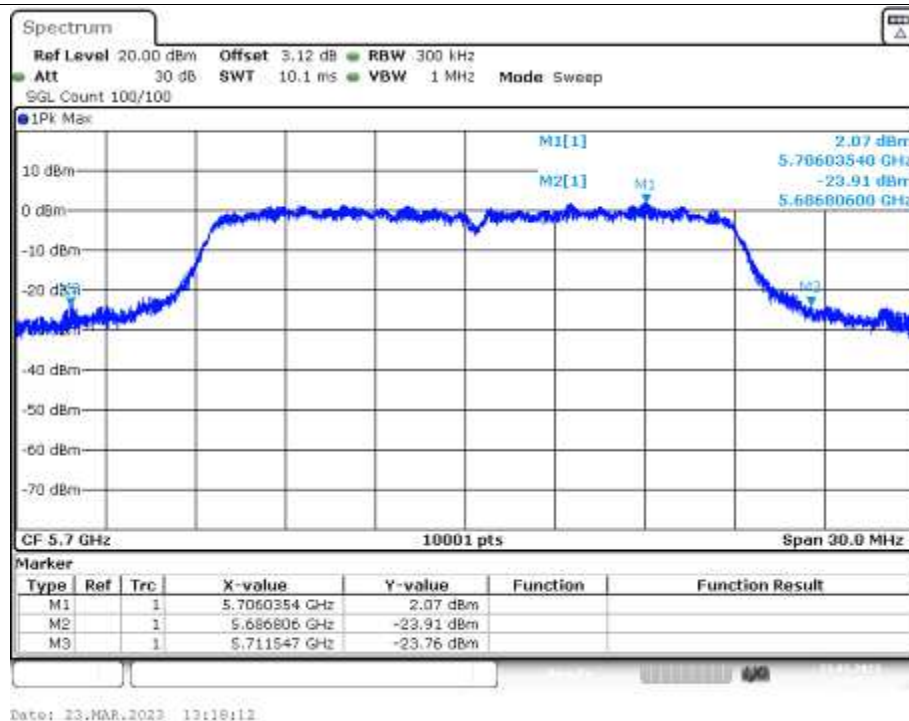
-26dB Bandwidth NVNT n20 5500MHz Ant1



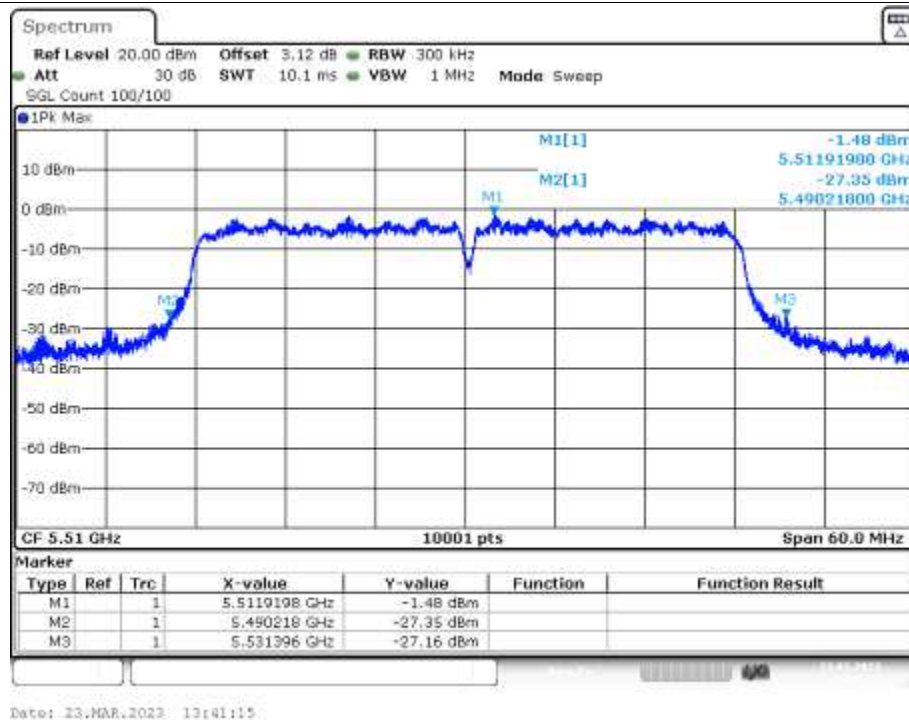
-26dB Bandwidth NVNT n20 5600MHz Ant1



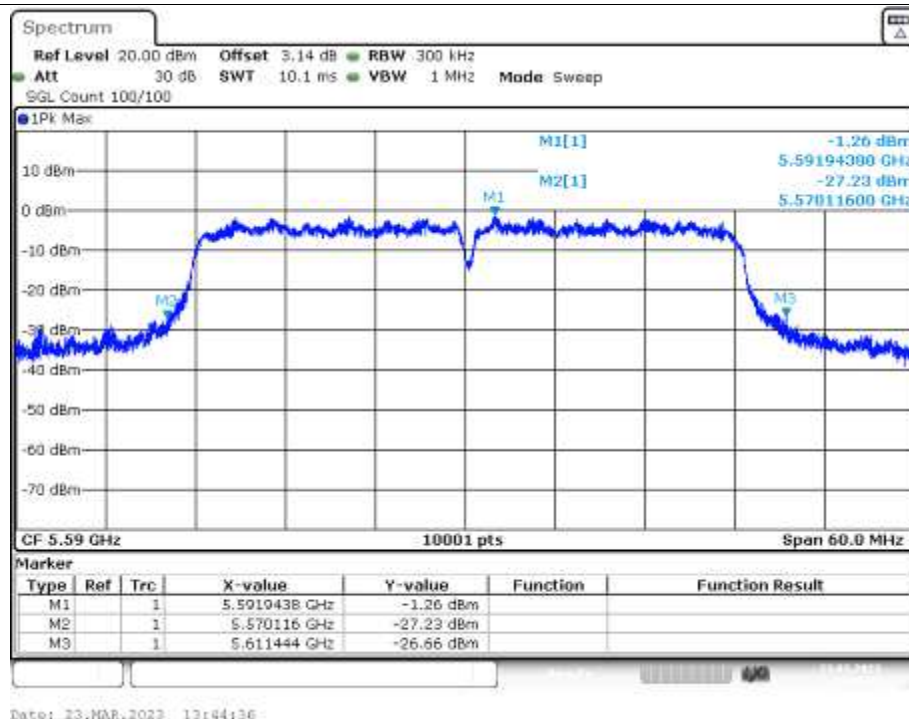
-26dB Bandwidth NVNT n20 5700MHz Ant1



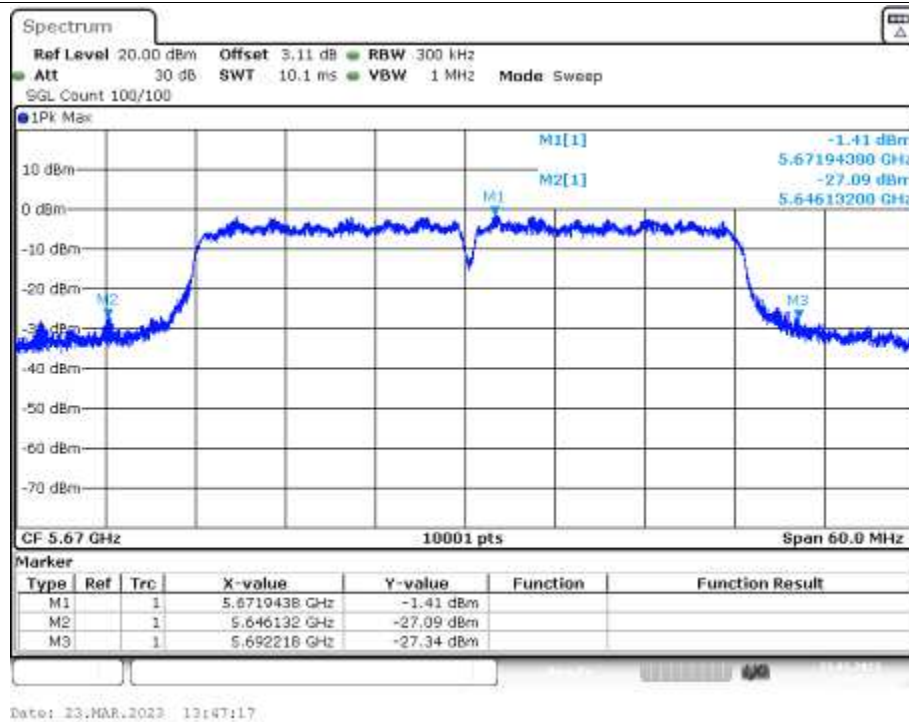
-26dB Bandwidth NVNT n40 5510MHz Ant1



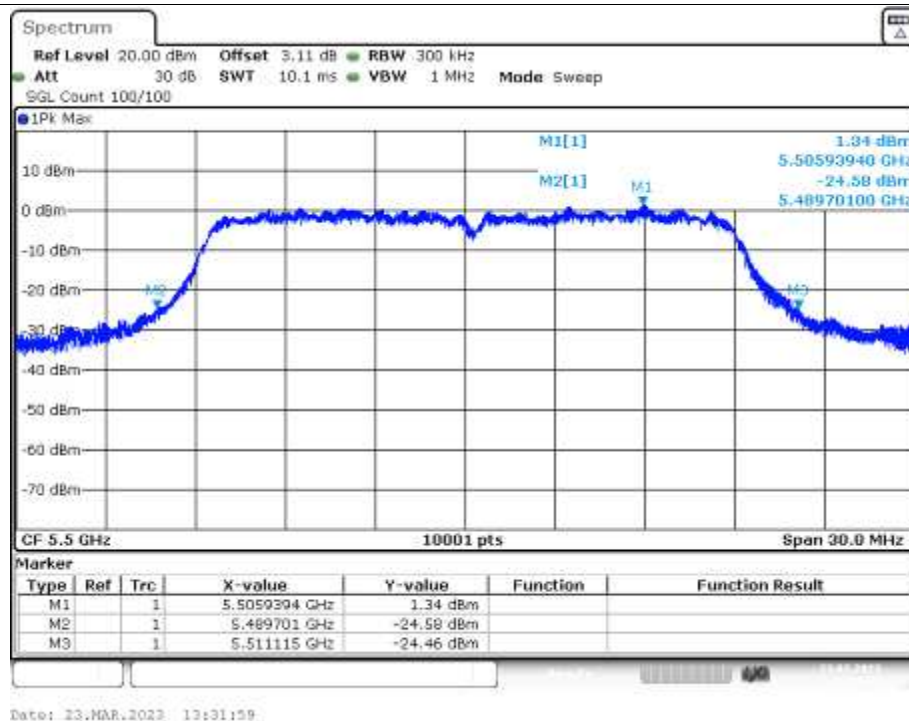
-26dB Bandwidth NVNT n40 5590MHz Ant1



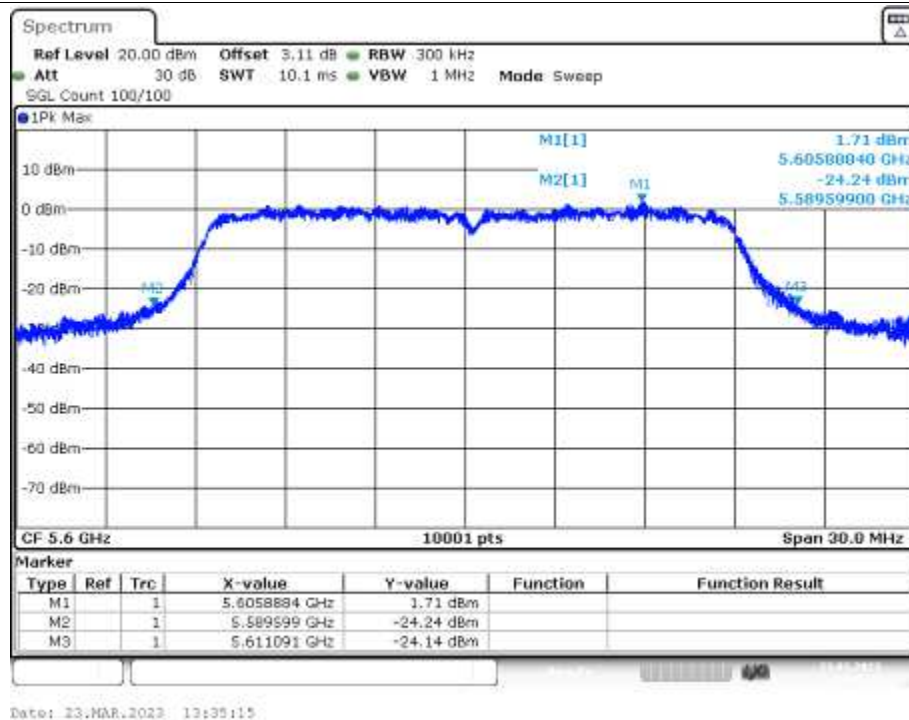
-26dB Bandwidth NVNT n40 5670MHz Ant1



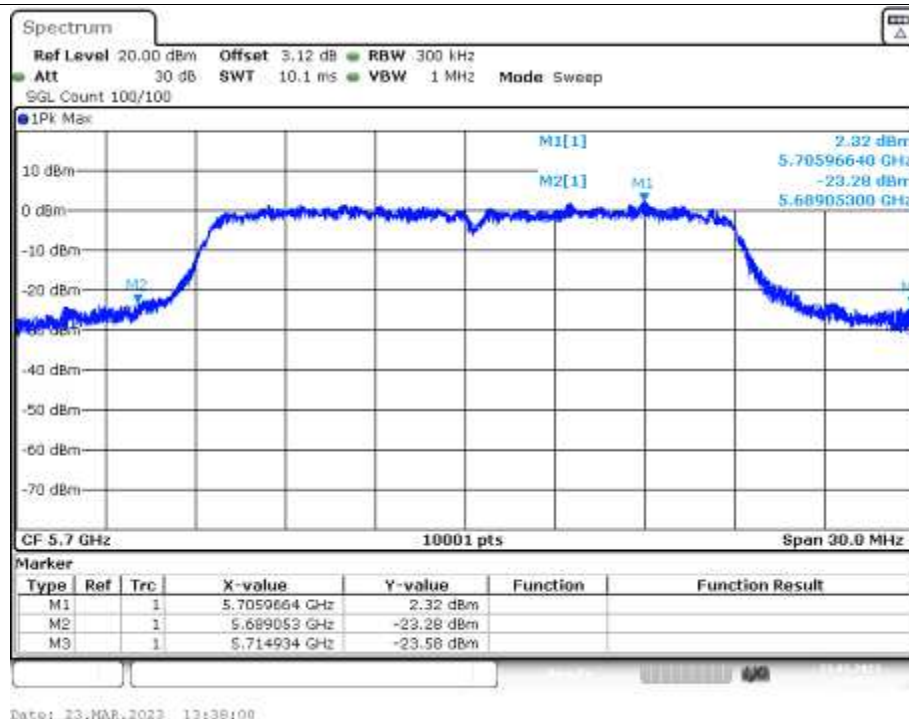
-26dB Bandwidth NVNT ac20 5500MHz Ant1



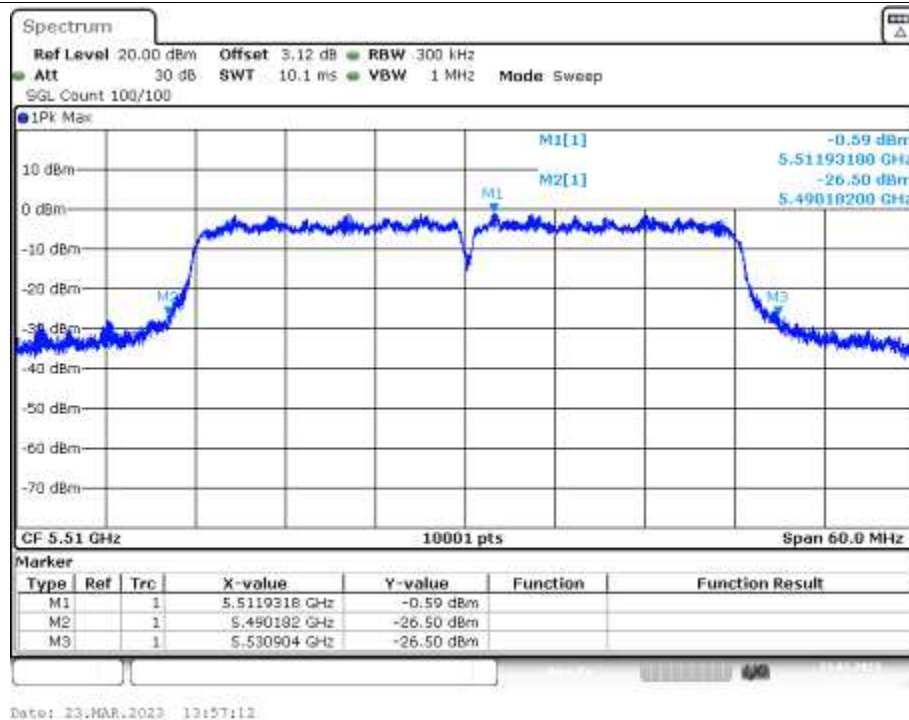
-26dB Bandwidth NVNT ac20 5600MHz Ant1



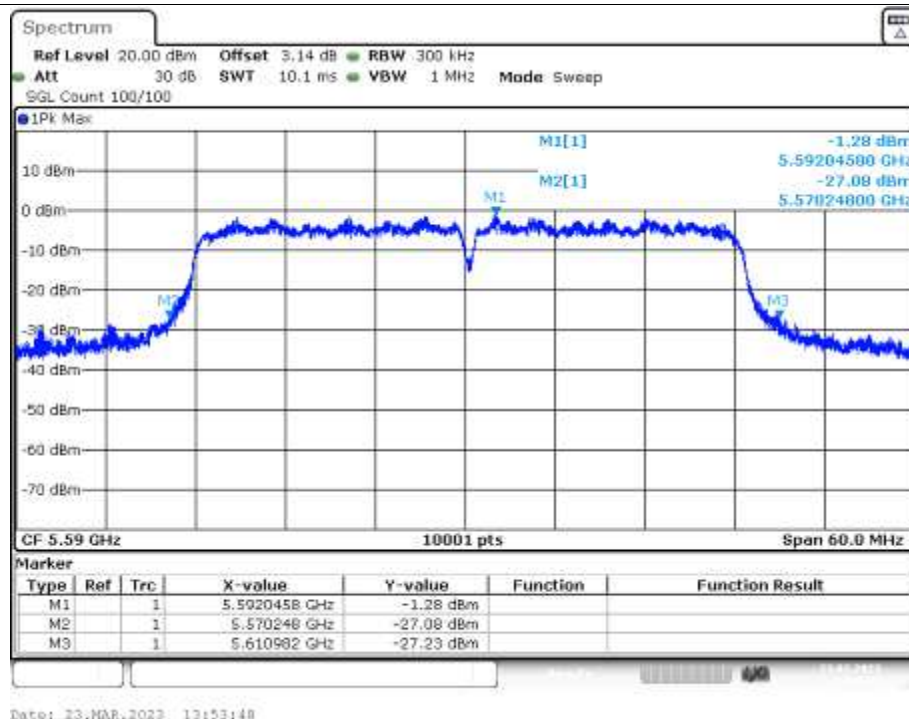
-26dB Bandwidth NVNT ac20 5700MHz Ant1



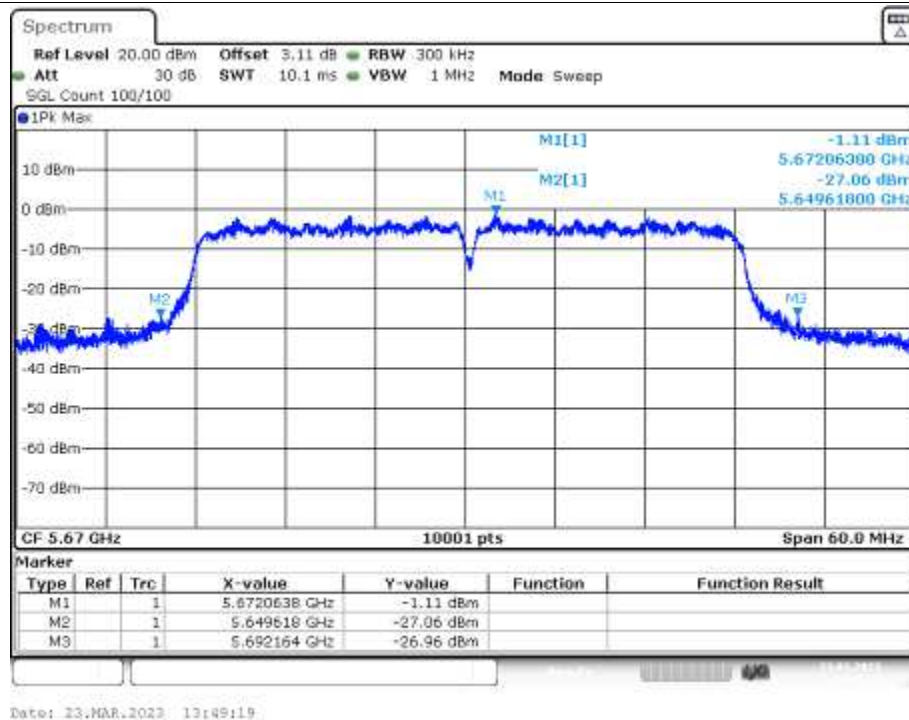
-26dB Bandwidth NVNT ac40 5510MHz Ant1



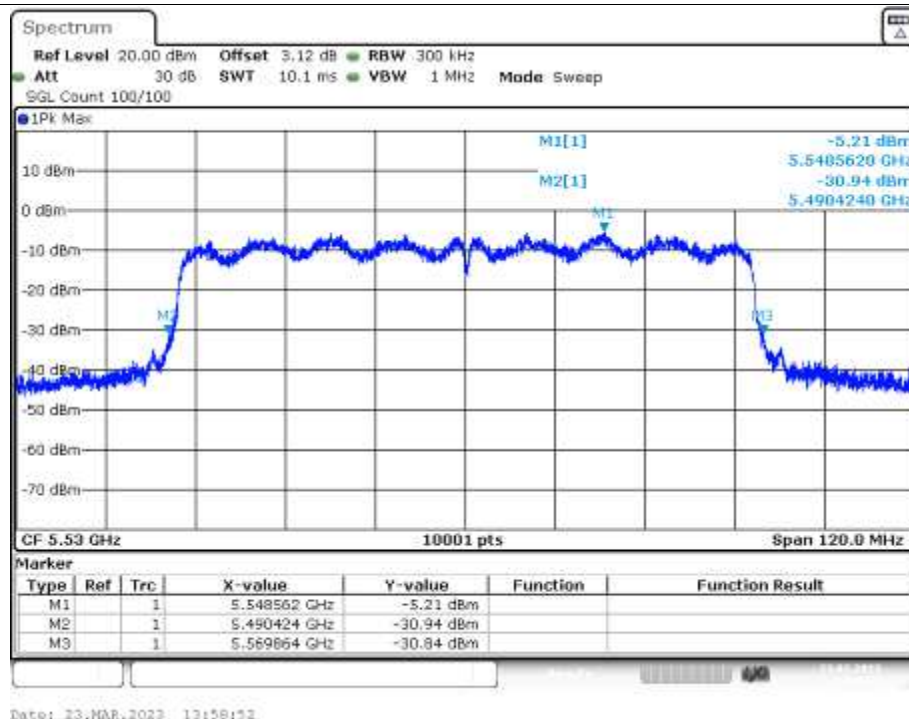
-26dB Bandwidth NVNT ac40 5590MHz Ant1



-26dB Bandwidth NVNT ac40 5670MHz Ant1

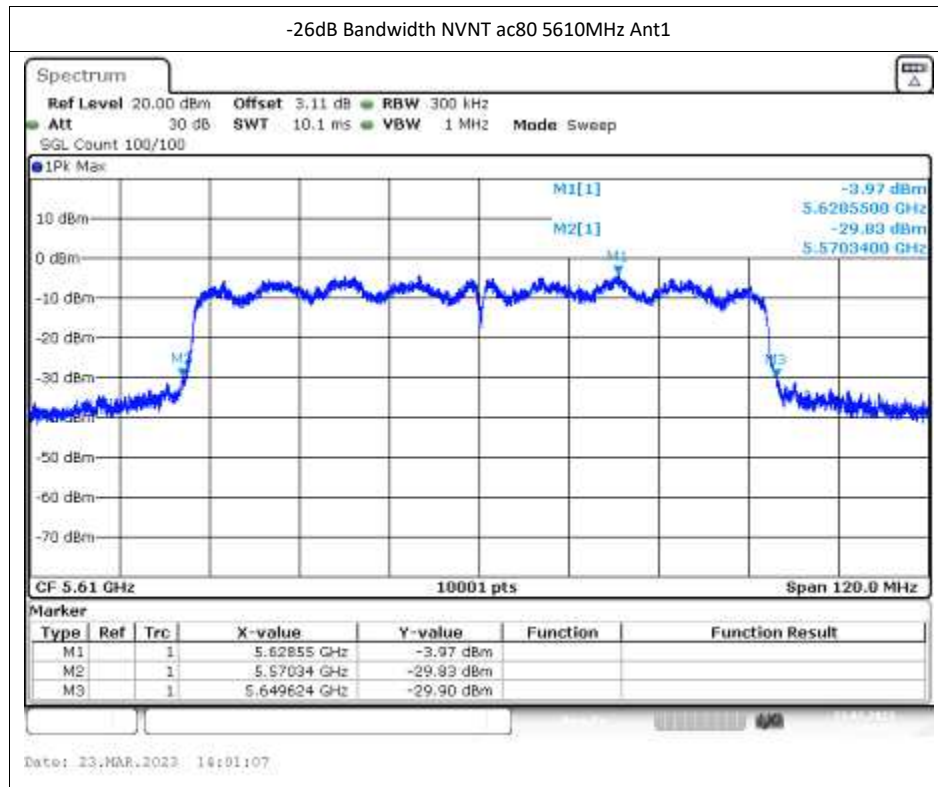


-26dB Bandwidth NVNT ac80 5530MHz Ant1



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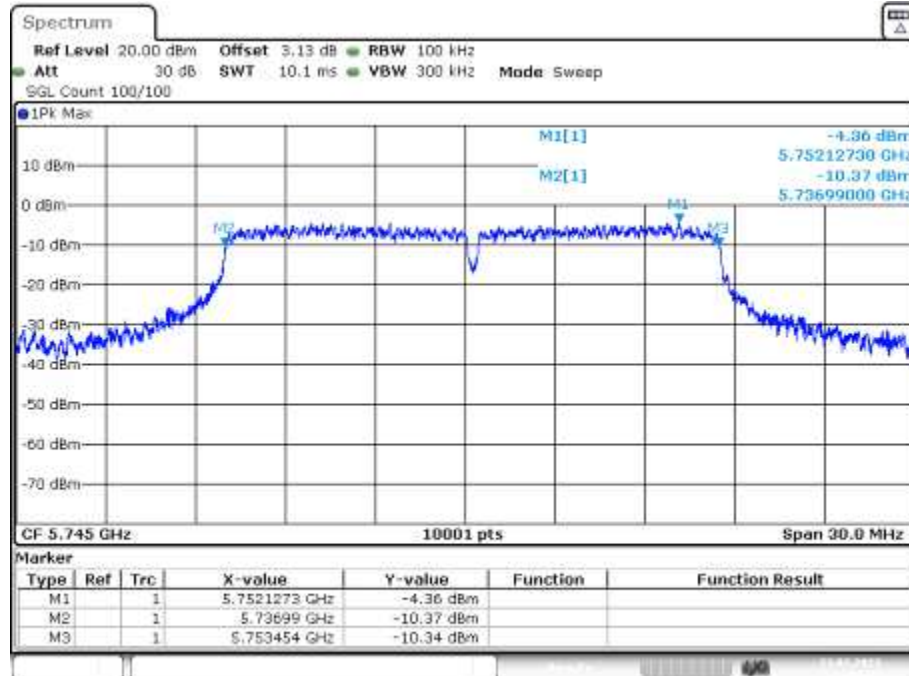
-6dB Bandwidth

5G U-NII-C:

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.464	0.5	Pass
NVNT	a	5785	Ant1	16.497	0.5	Pass
NVNT	a	5825	Ant1	16.41	0.5	Pass
NVNT	n20	5745	Ant1	17.574	0.5	Pass
NVNT	n20	5785	Ant1	17.583	0.5	Pass
NVNT	n20	5825	Ant1	17.574	0.5	Pass
NVNT	n40	5755	Ant1	36.414	0.5	Pass
NVNT	n40	5795	Ant1	36.42	0.5	Pass
NVNT	ac20	5745	Ant1	17.571	0.5	Pass
NVNT	ac20	5785	Ant1	17.592	0.5	Pass
NVNT	ac20	5825	Ant1	17.586	0.5	Pass
NVNT	ac40	5755	Ant1	36.432	0.5	Pass
NVNT	ac40	5795	Ant1	36.414	0.5	Pass
NVNT	ac80	5775	Ant1	74.64	0.5	Pass

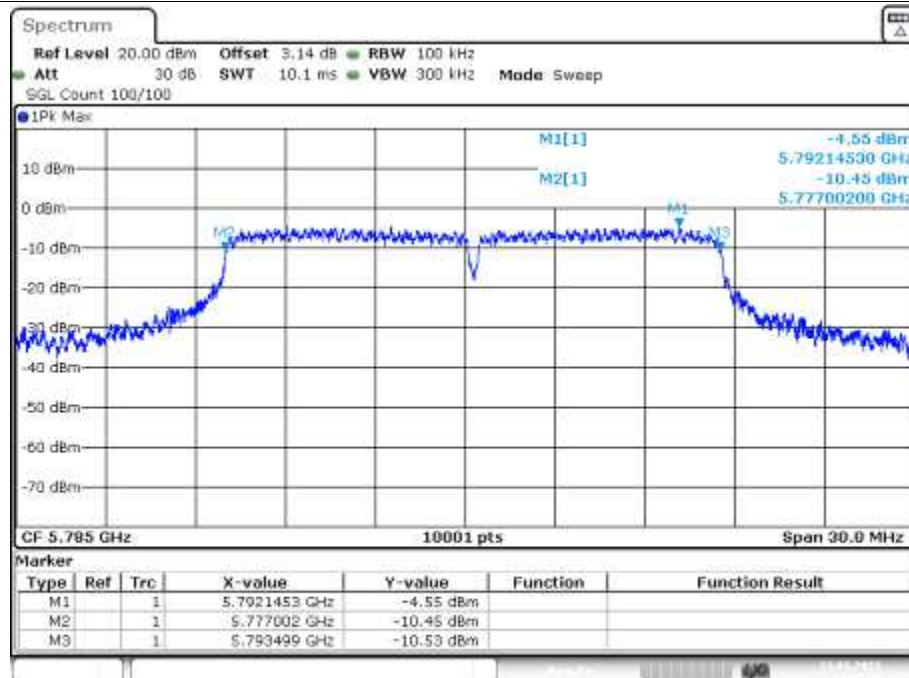
Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



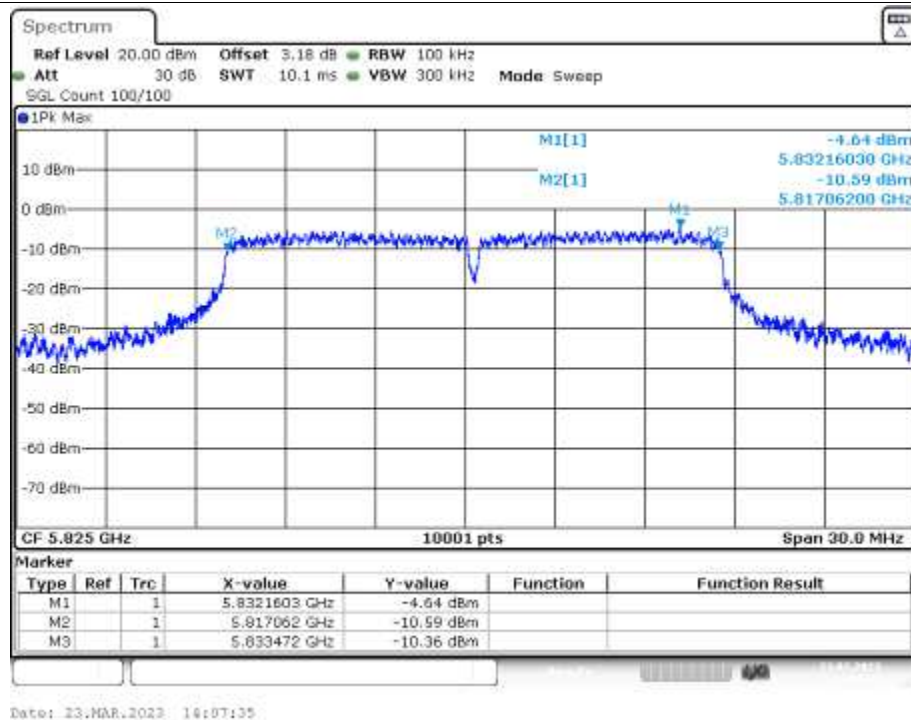
Date: 23.MAR.2023 16:04:41

-6dB Bandwidth NVNT a 5785MHz Ant1

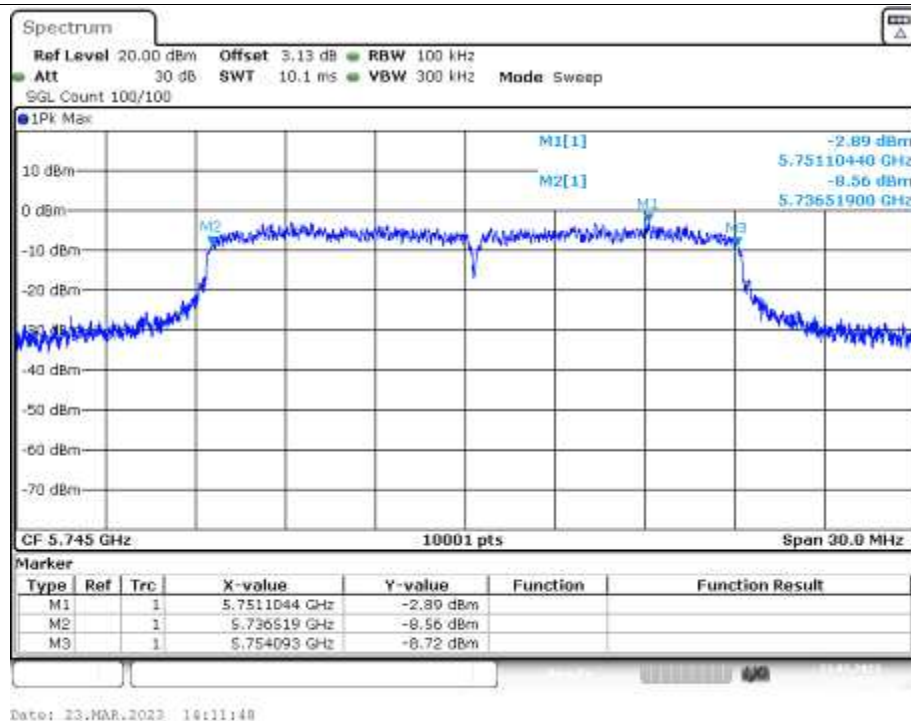


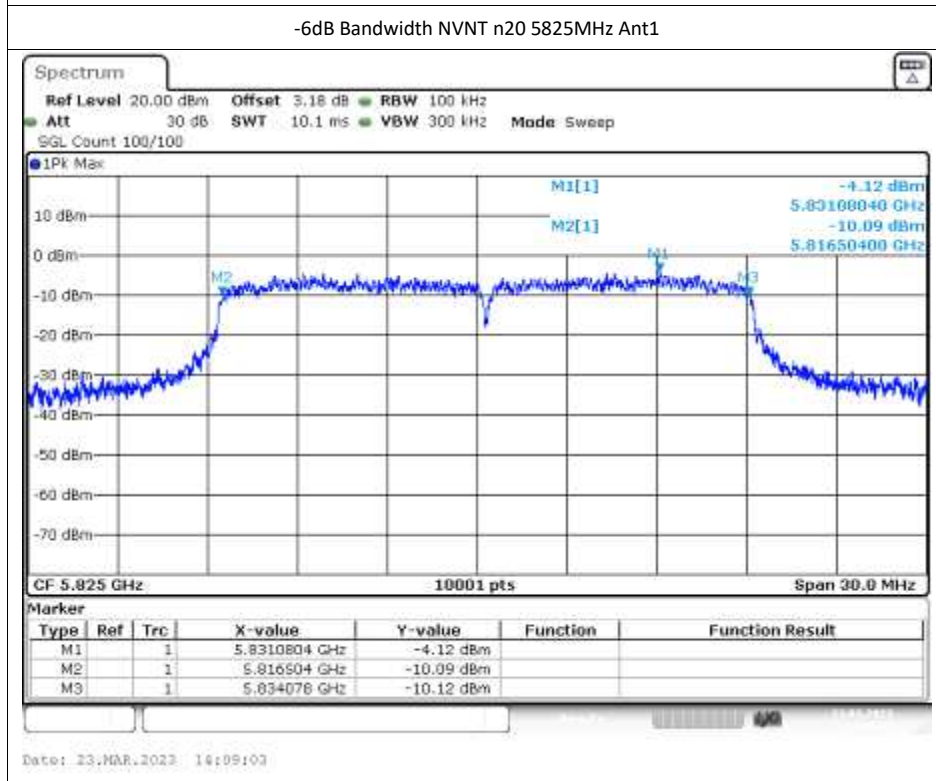
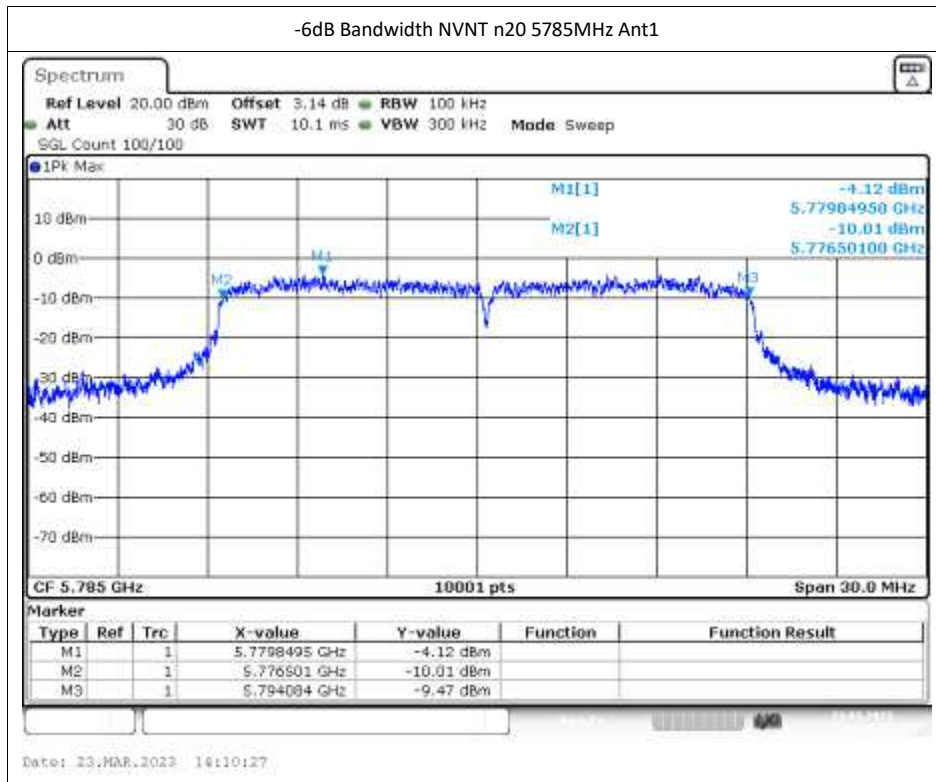
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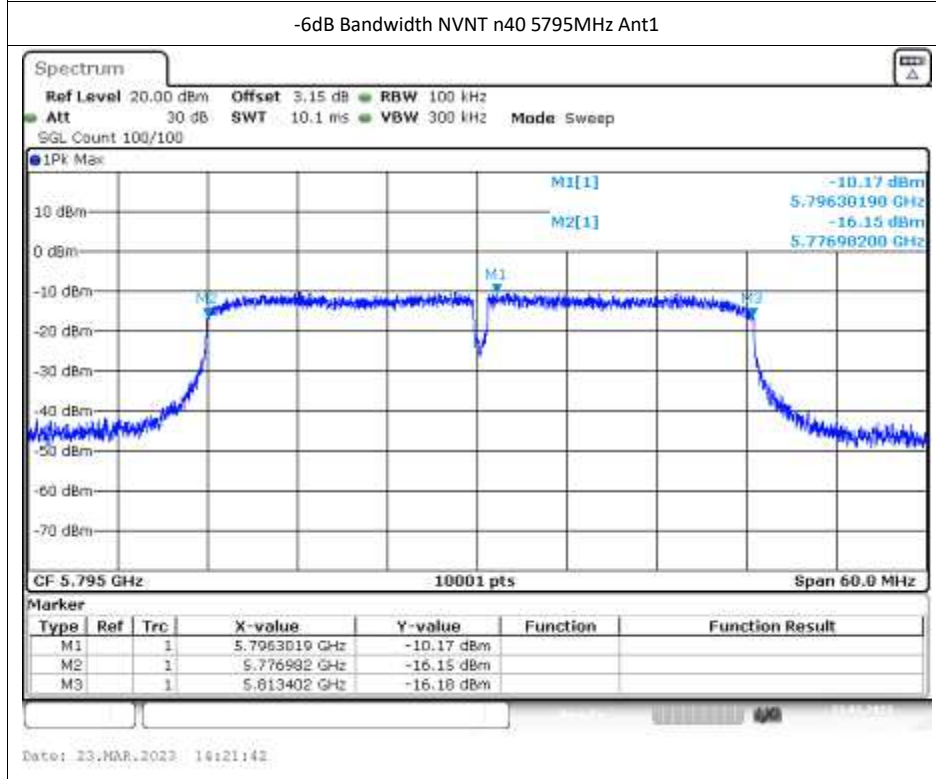
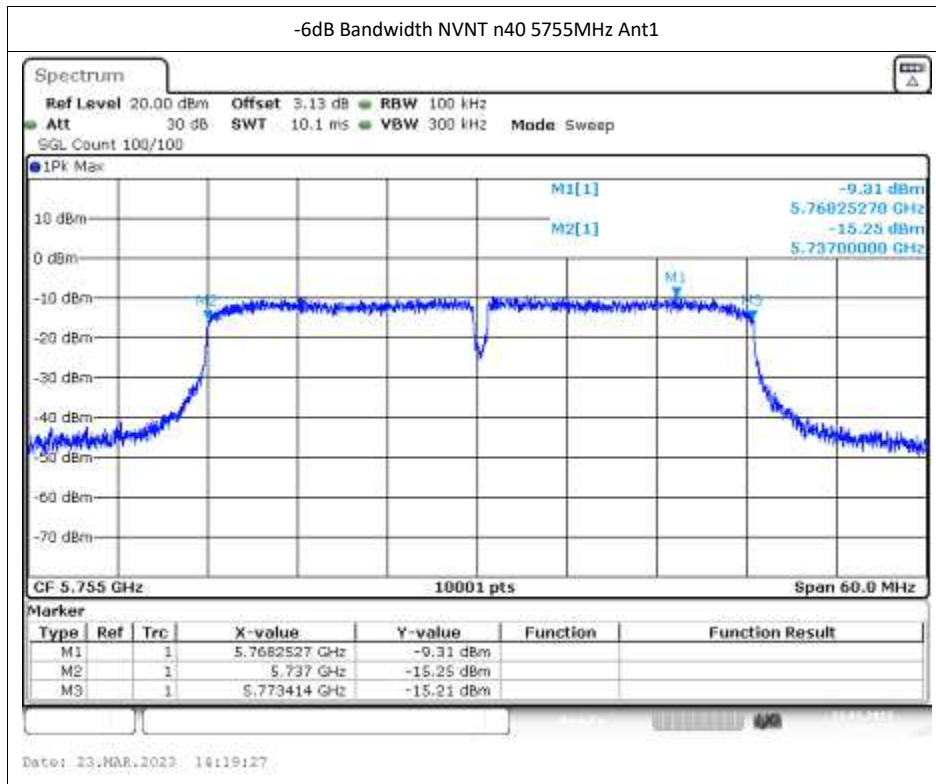
-6dB Bandwidth NVNT a 5825MHz Ant1



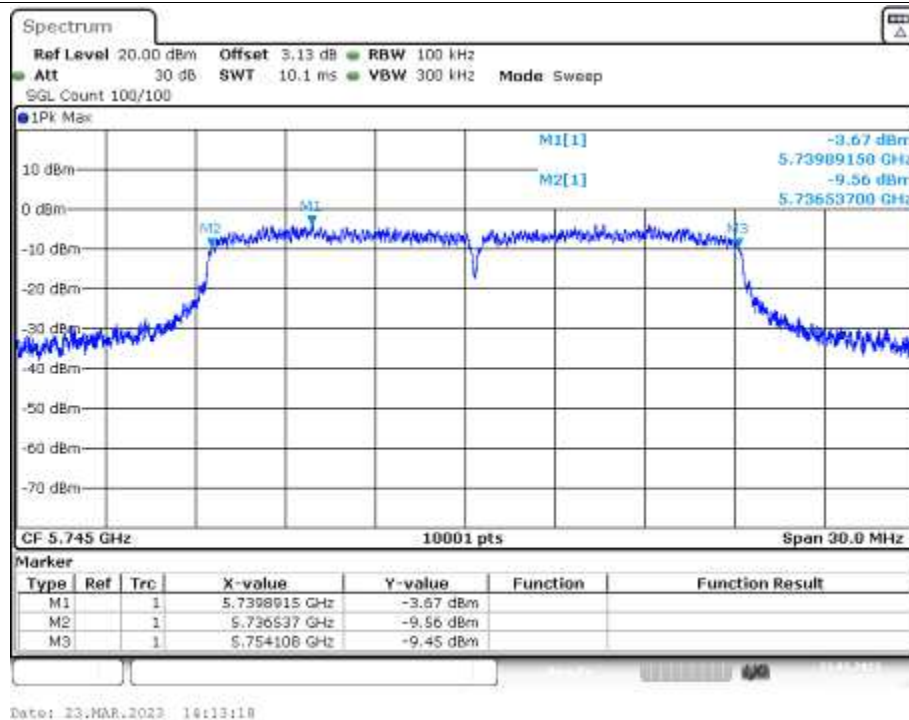
-6dB Bandwidth NVNT n20 5745MHz Ant1



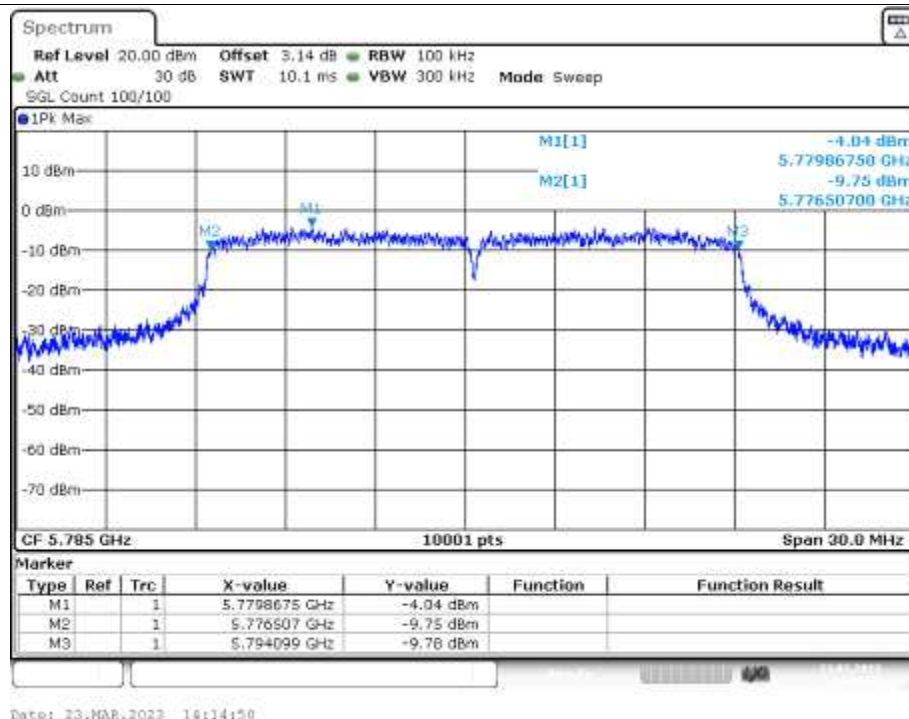




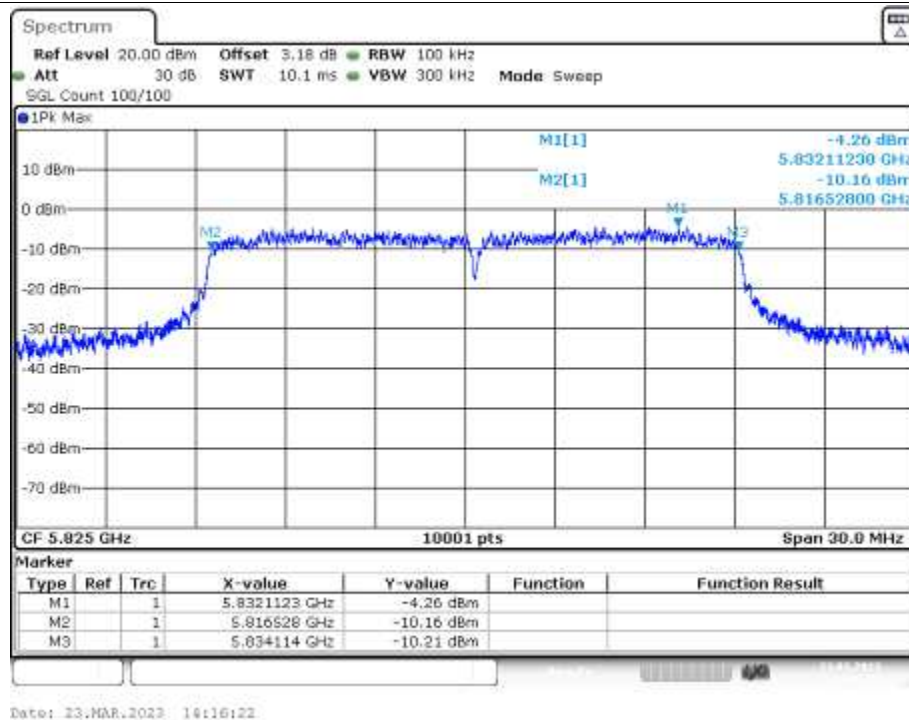
-6dB Bandwidth NVNT ac20 5745MHz Ant1



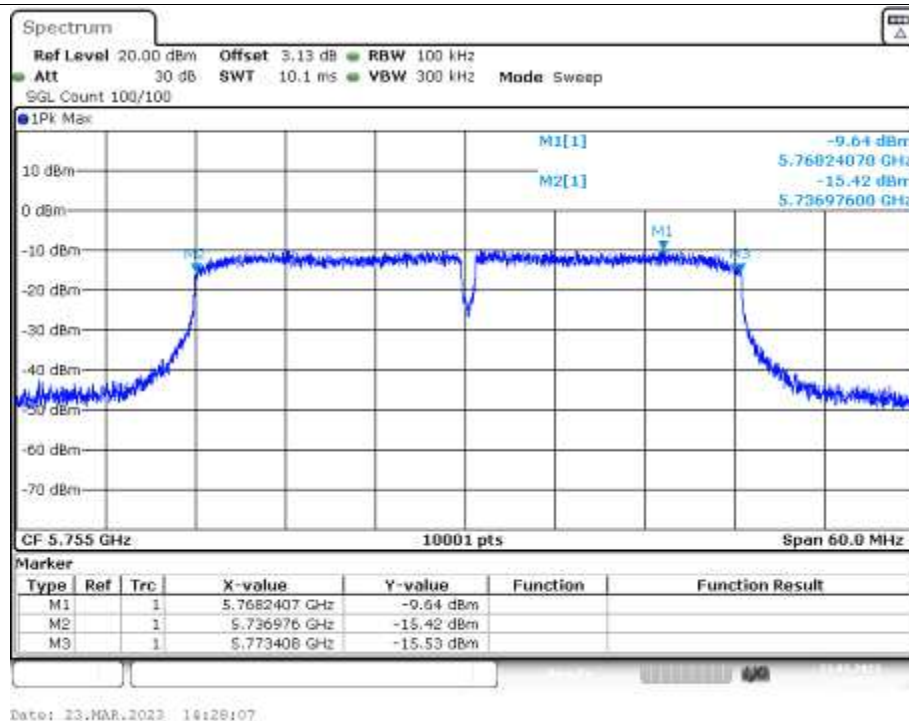
-6dB Bandwidth NVNT ac20 5785MHz Ant1



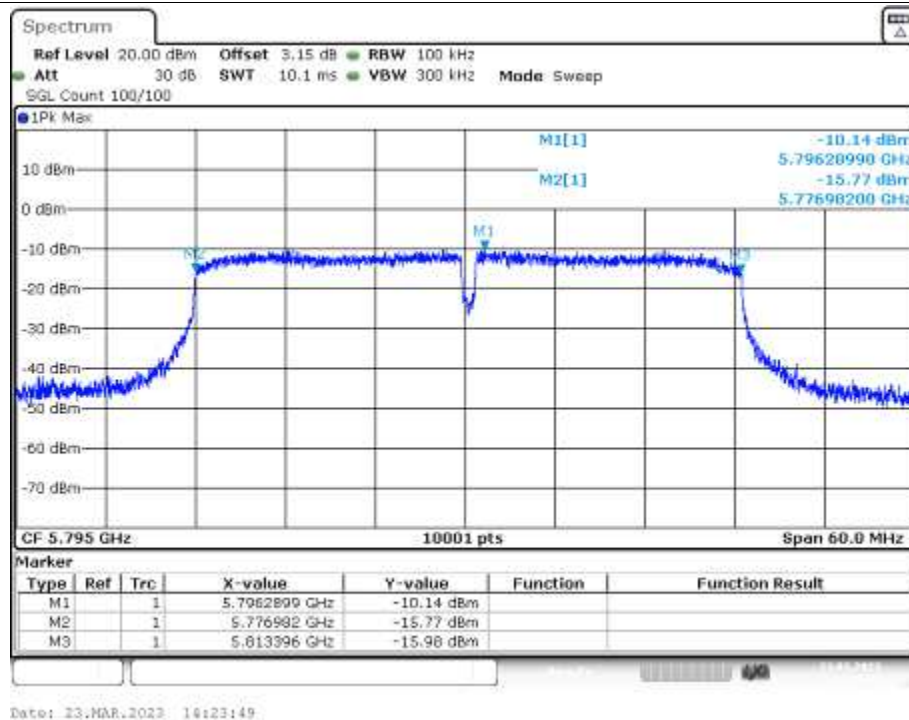
-6dB Bandwidth NVNT ac20 5825MHz Ant1



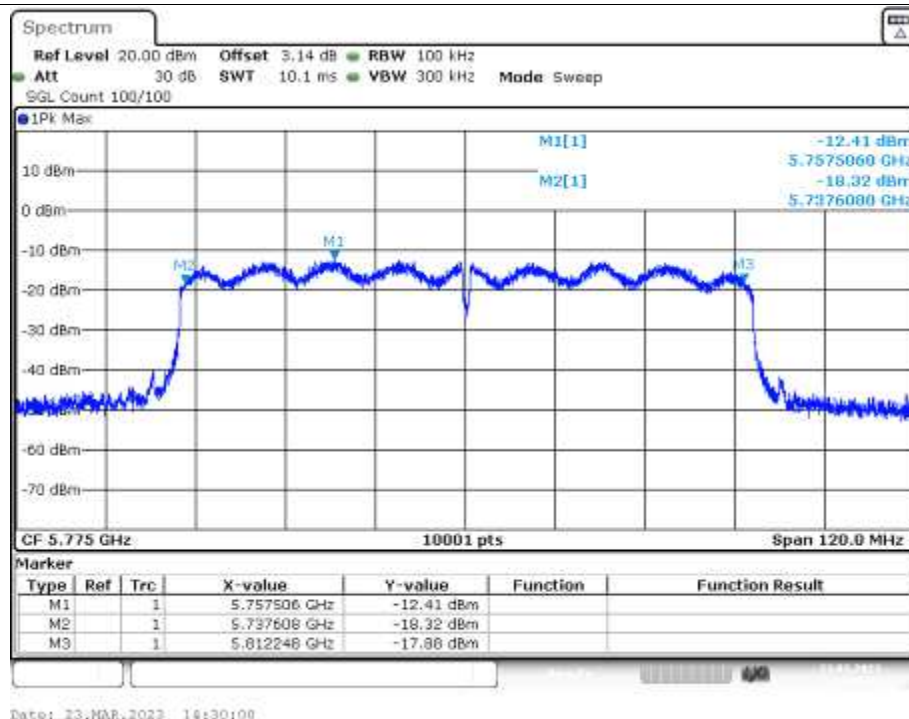
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



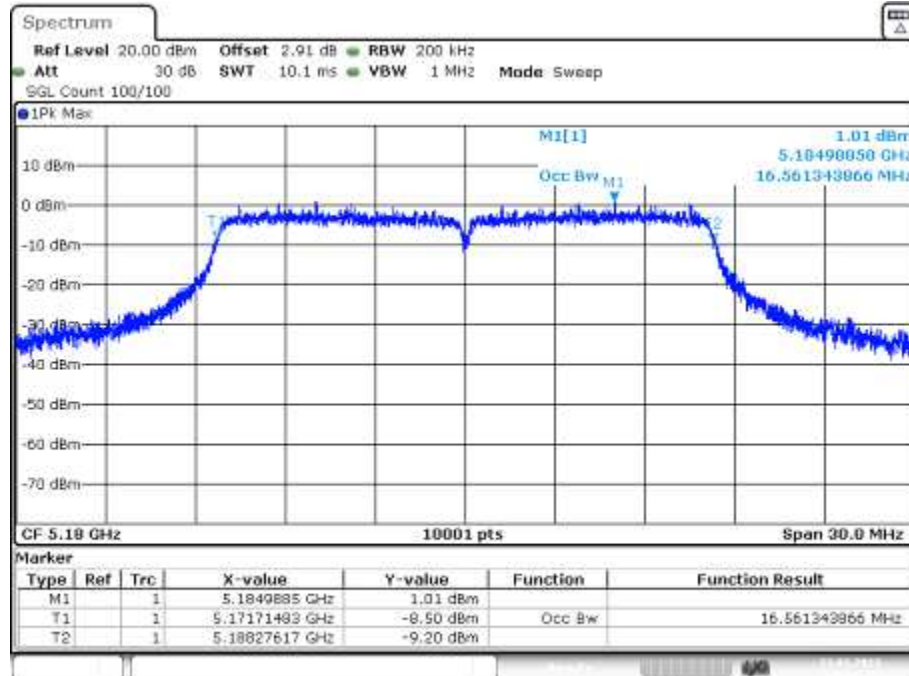
Occupied Channel Bandwidth

5G U-NII-1:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.561
NVNT	a	5200	Ant1	17.074
NVNT	a	5240	Ant1	17.506
NVNT	n20	5180	Ant1	17.92
NVNT	n20	5200	Ant1	17.98
NVNT	n20	5240	Ant1	18.133
NVNT	n40	5190	Ant1	37.748
NVNT	n40	5230	Ant1	36.254
NVNT	ac20	5180	Ant1	18.25
NVNT	ac20	5200	Ant1	17.992
NVNT	ac20	5240	Ant1	18.235
NVNT	ac40	5190	Ant1	36.272
NVNT	ac40	5230	Ant1	36.26
NVNT	ac80	5210	Ant1	75.364

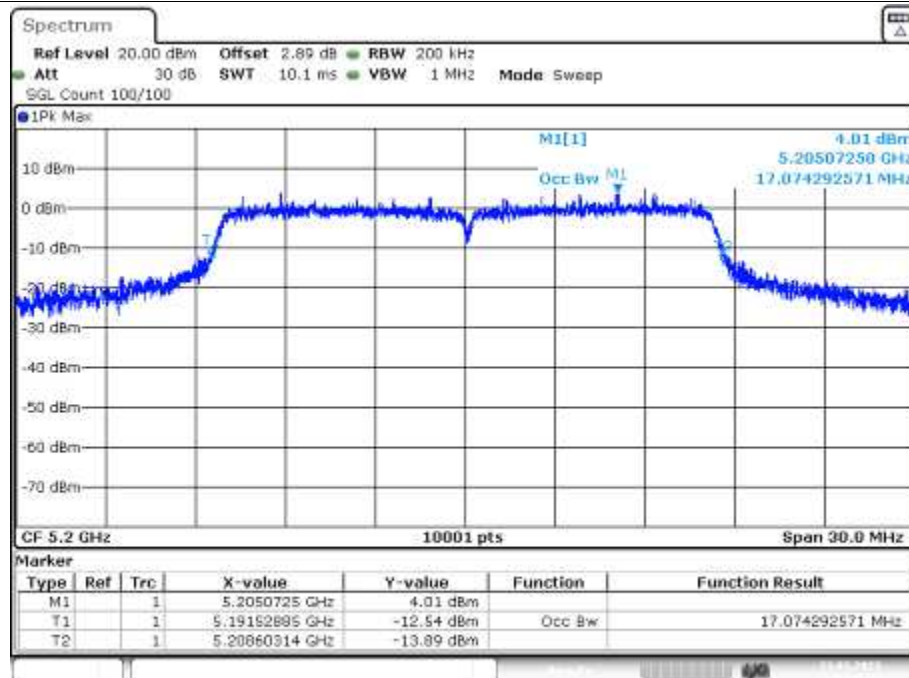
Test Graphs

OBW NVNT a 5180MHz Ant1



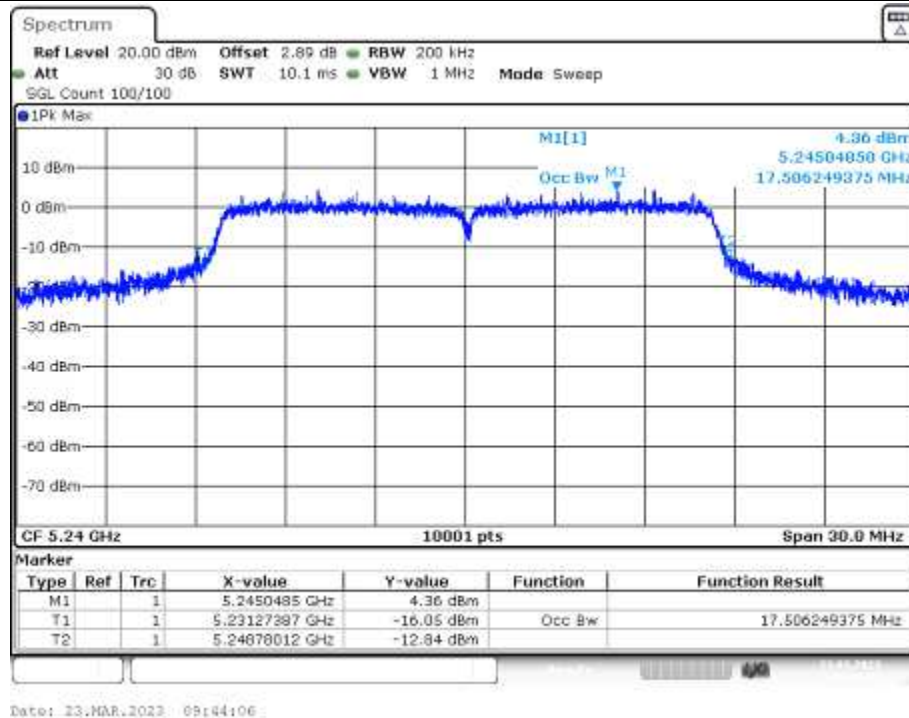
Date: 23.MAR.2023 09:36:26

OBW NVNT a 5200MHz Ant1

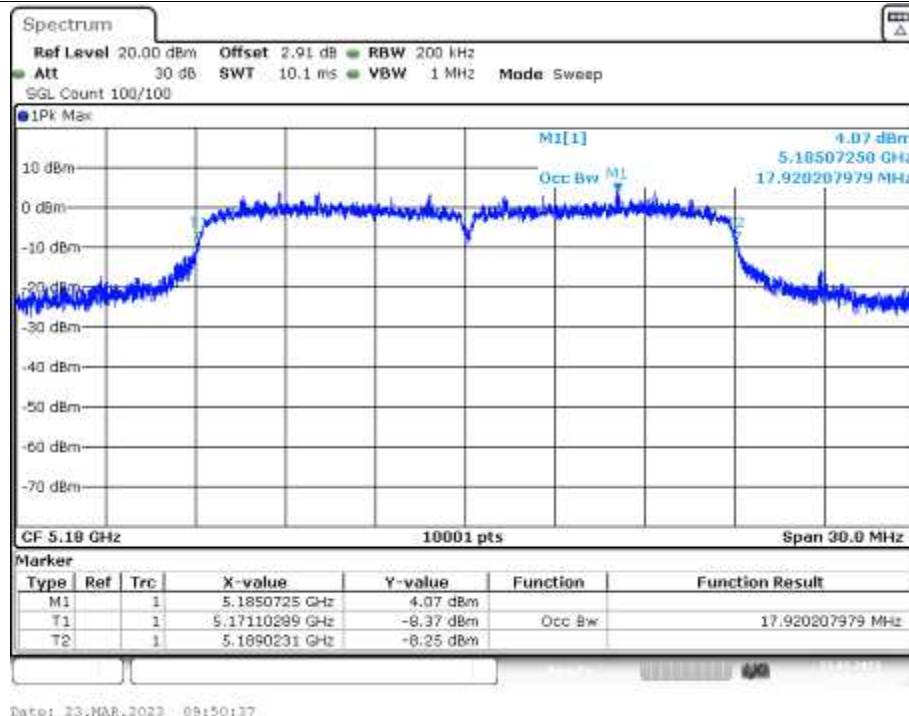


Date: 23.MAR.2023 09:41:46

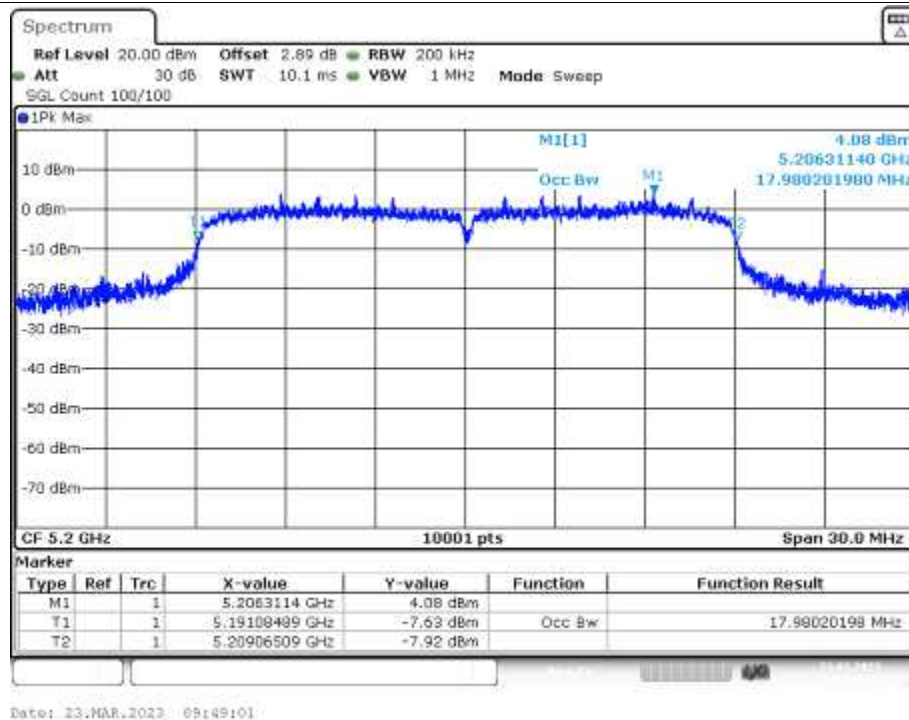
OBW NVNT a 5240MHz Ant1



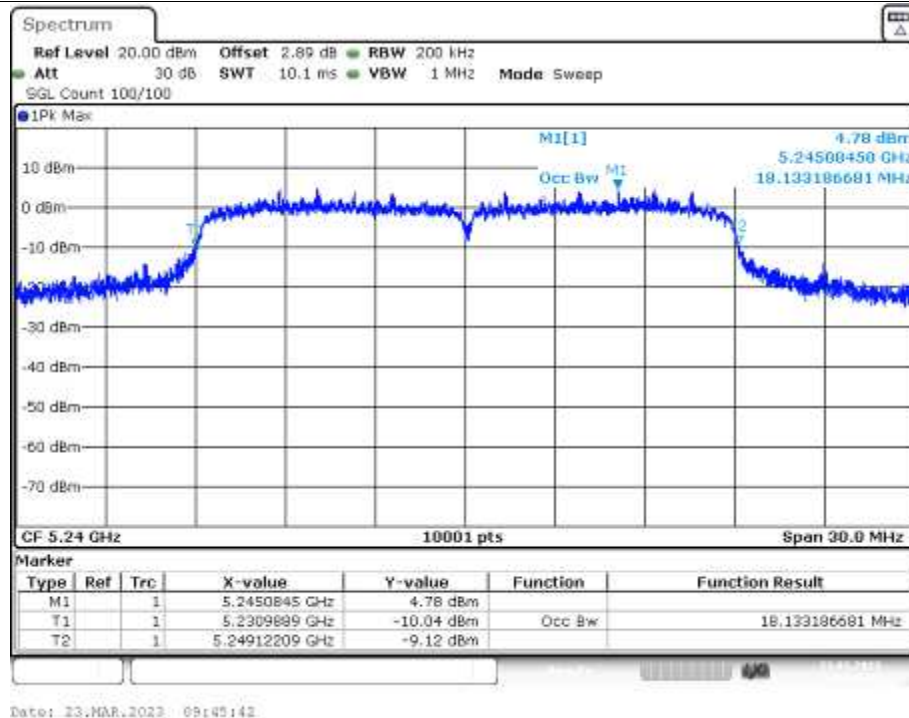
OBW NVNT n20 5180MHz Ant1



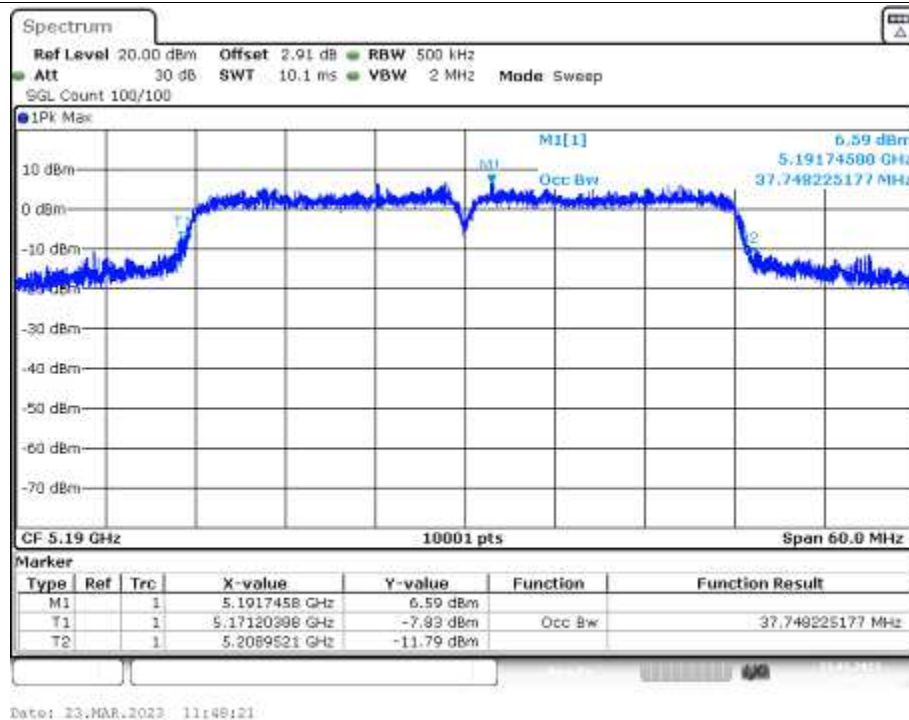
OBW NVNT n20 5200MHz Ant1



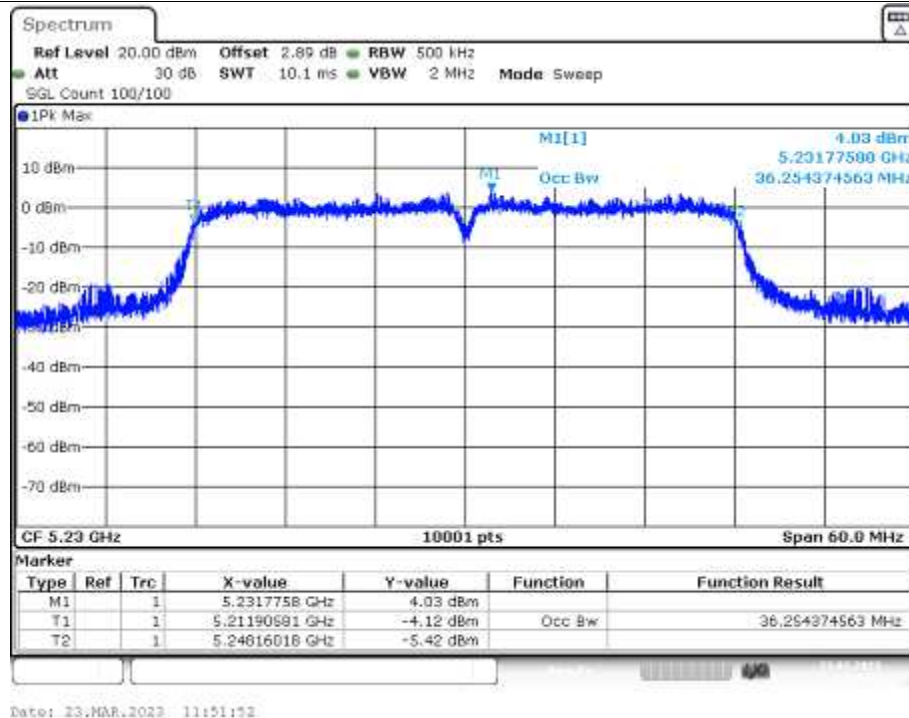
OBW NVNT n20 5240MHz Ant1

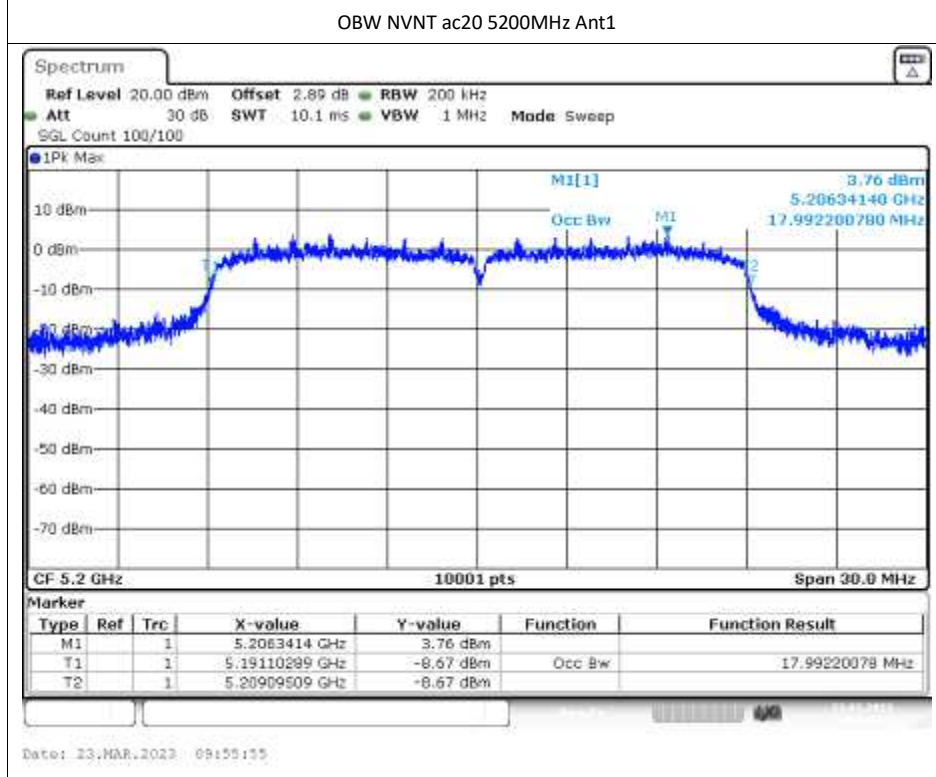
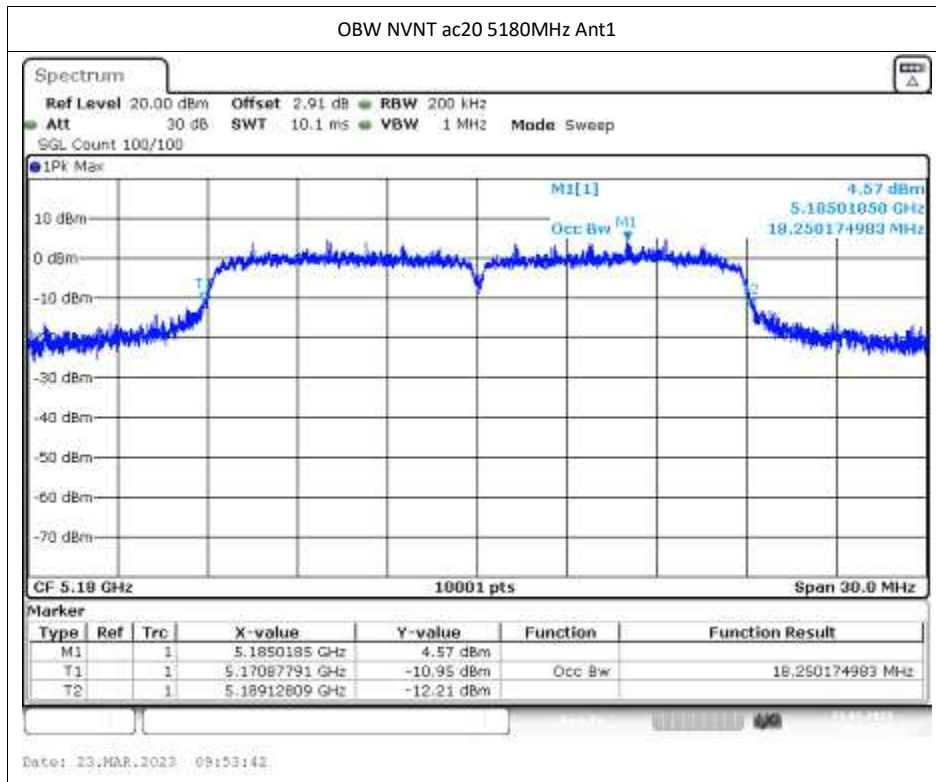


OBW NVNT n40 5190MHz Ant1

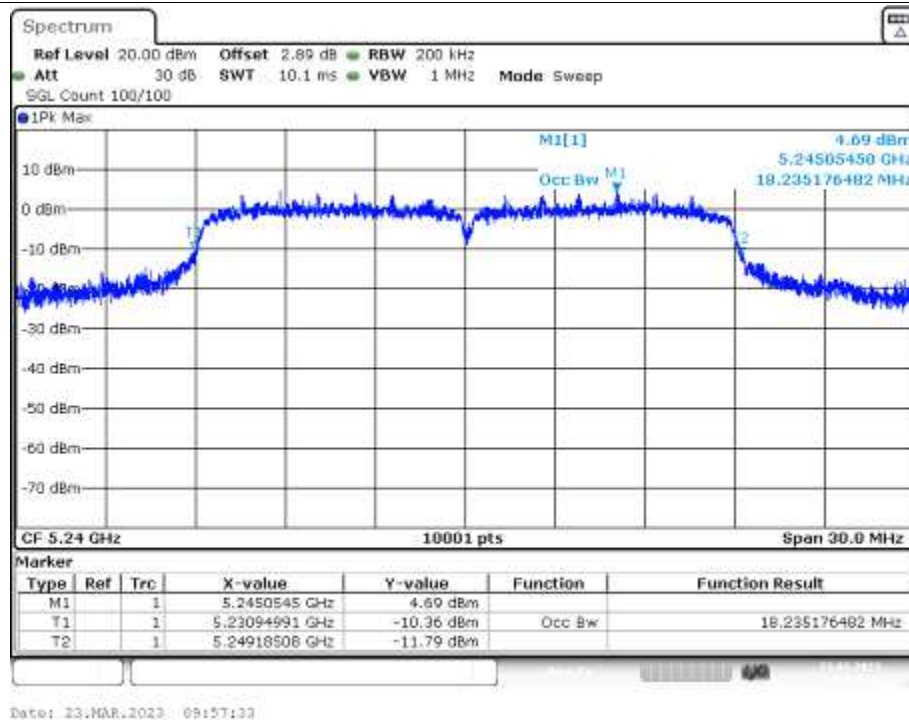


OBW NVNT n40 5230MHz Ant1

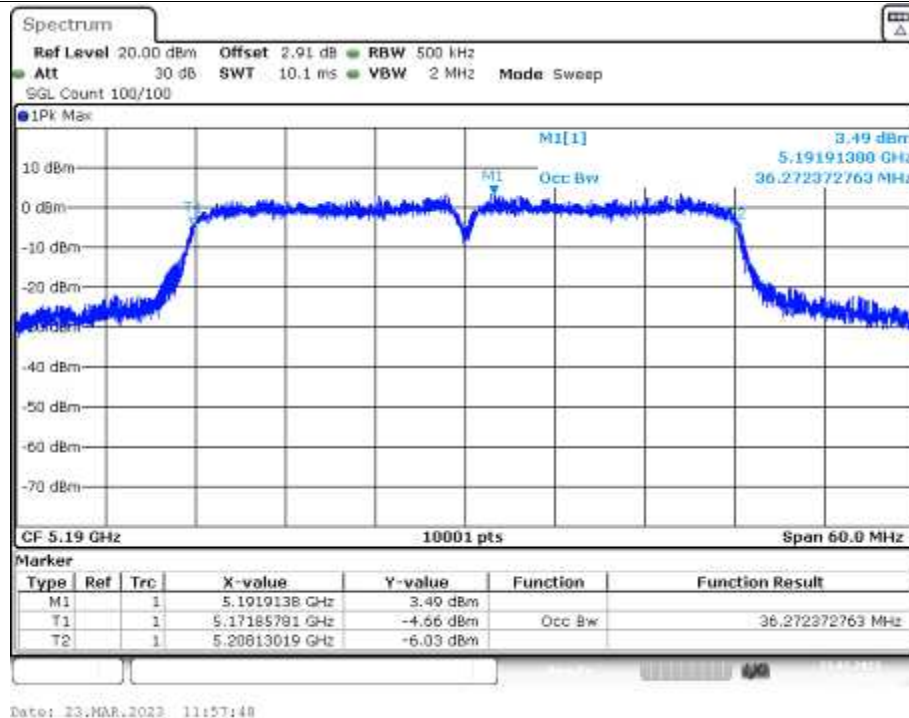


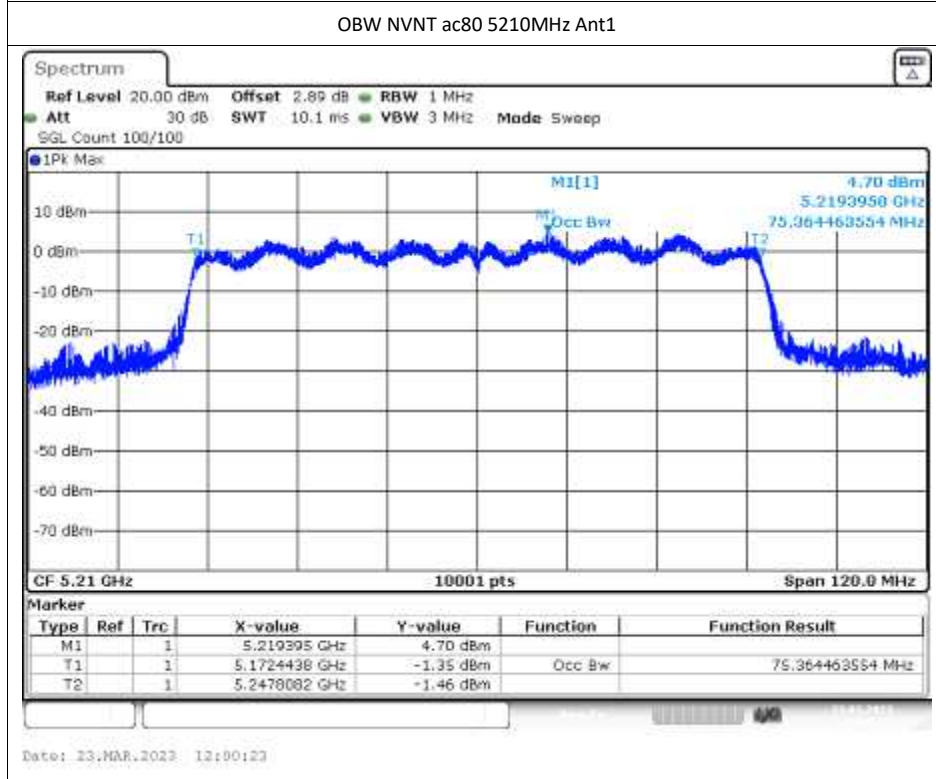
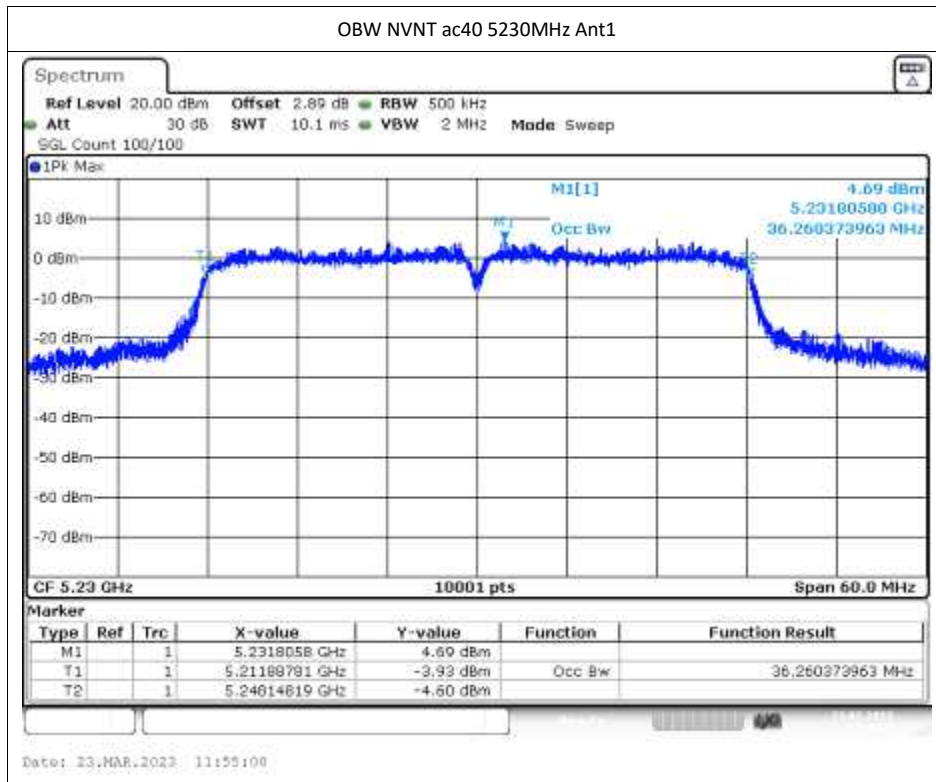


OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1





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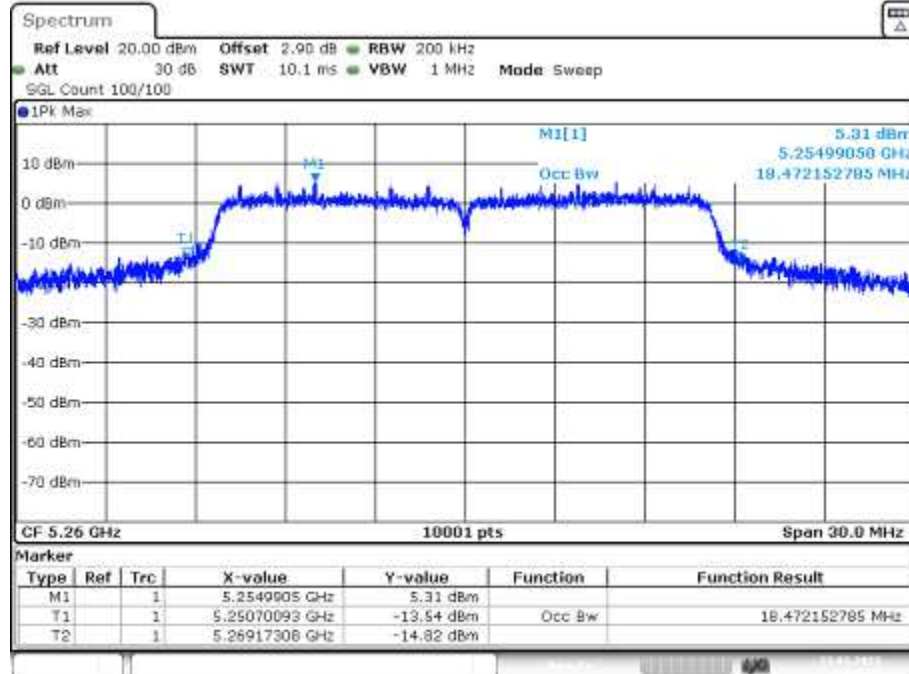
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5G U-NII-2A:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	18.472
NVNT	a	5280	Ant1	17.221
NVNT	a	5320	Ant1	17.377
NVNT	n20	5260	Ant1	18.043
NVNT	n20	5280	Ant1	18.187
NVNT	n20	5320	Ant1	17.995
NVNT	n40	5270	Ant1	36.212
NVNT	n40	5310	Ant1	36.32
NVNT	ac20	5260	Ant1	18.265
NVNT	ac20	5280	Ant1	18.304
NVNT	ac20	5320	Ant1	18.082
NVNT	ac40	5270	Ant1	36.29
NVNT	ac40	5310	Ant1	36.26
NVNT	ac80	5290	Ant1	75.364

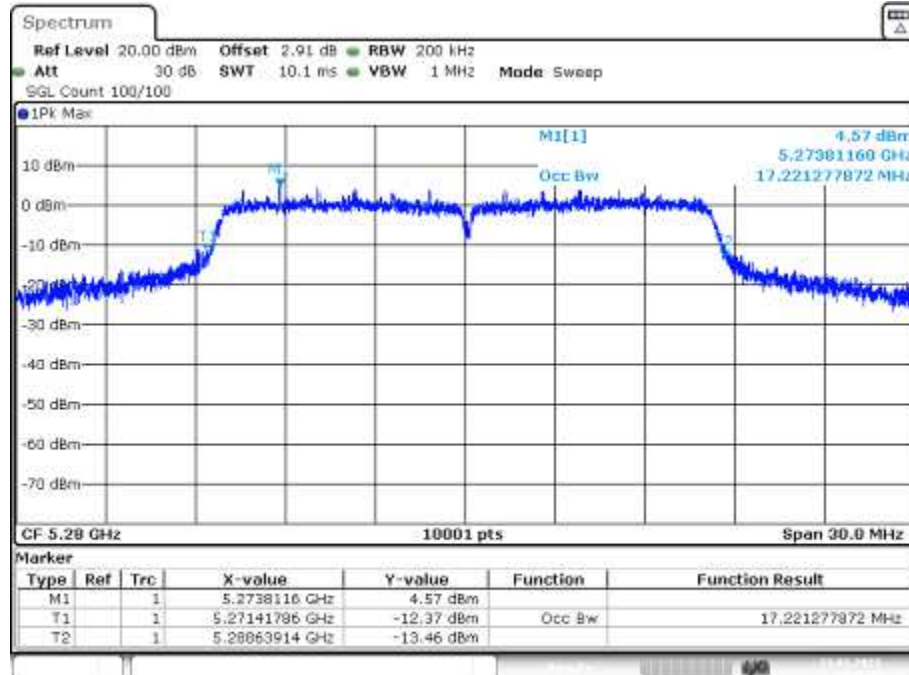
Test Graphs

OBW NVNT a 5260MHz Ant1



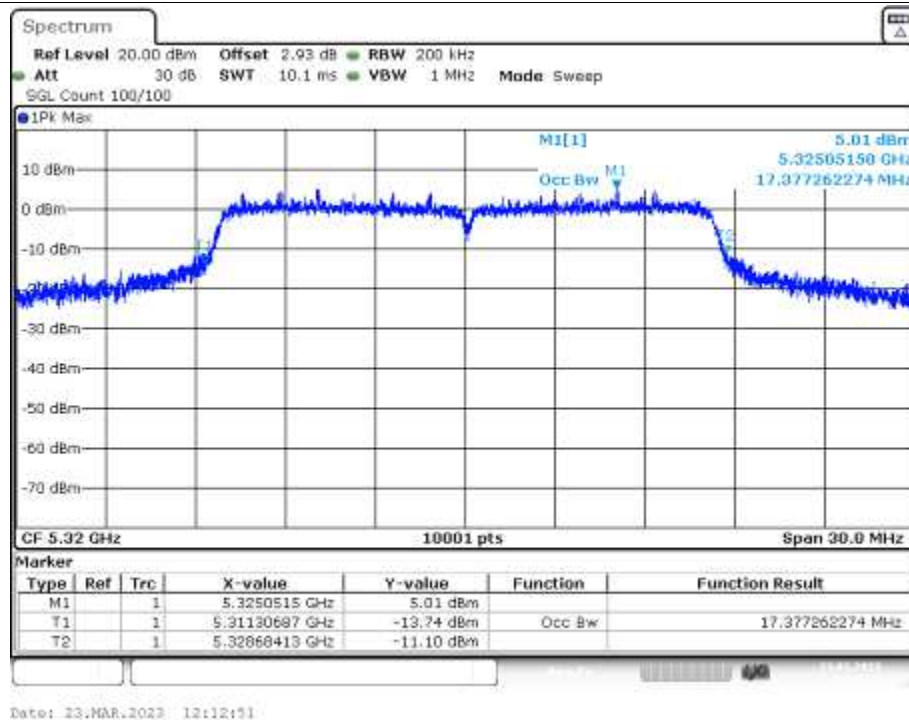
Date: 23.MAR.2023 12:08:06

OBW NVNT a 5280MHz Ant1

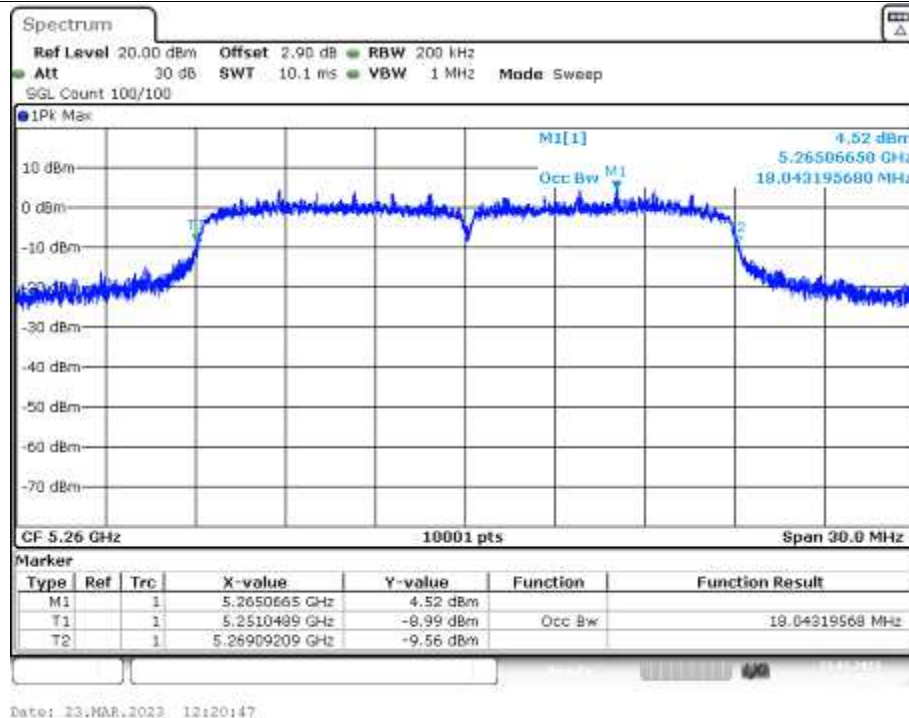


Date: 23.MAR.2023 12:09:35

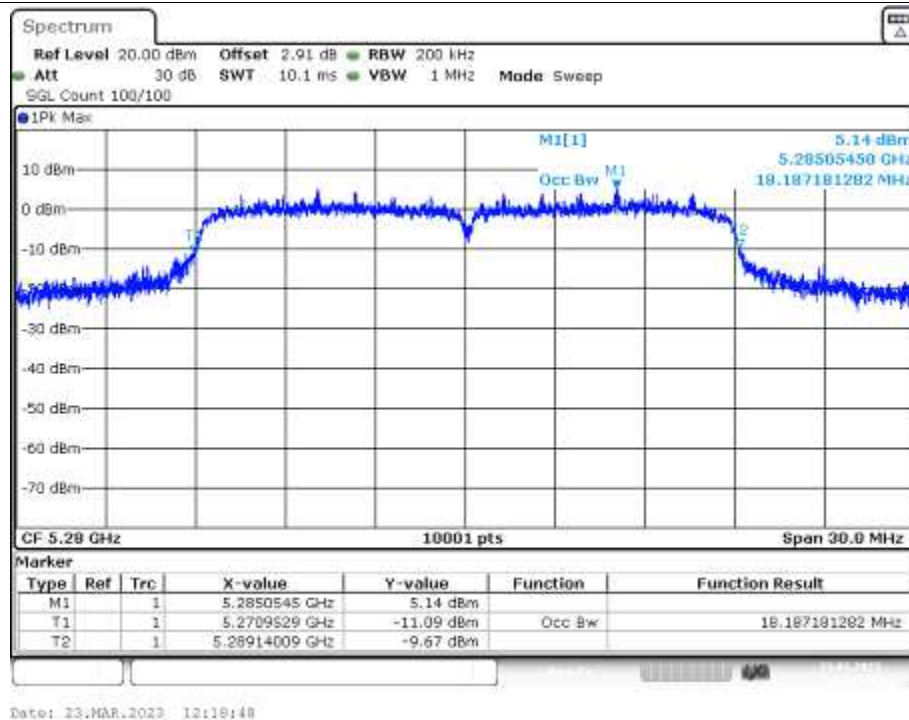
OBW NVNT a 5320MHz Ant1



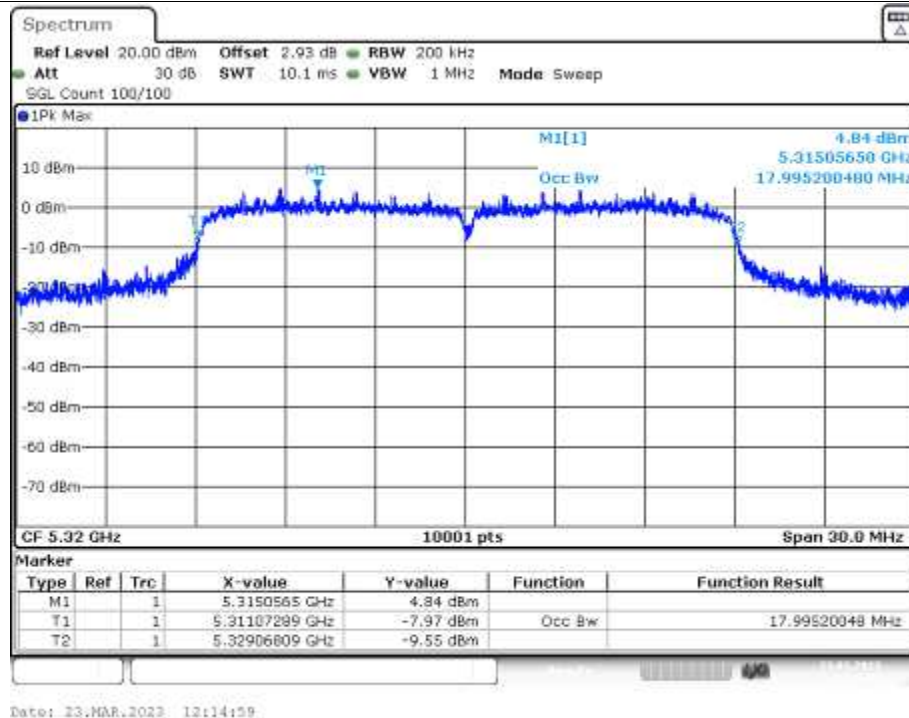
OBW NVNT n20 5260MHz Ant1



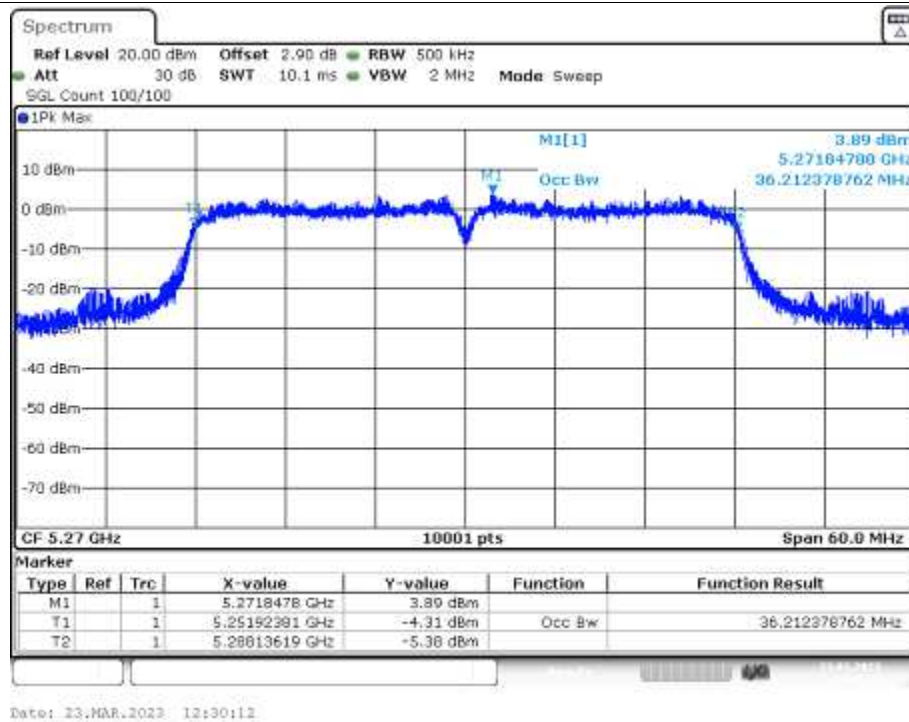
OBW NVNT n20 5280MHz Ant1



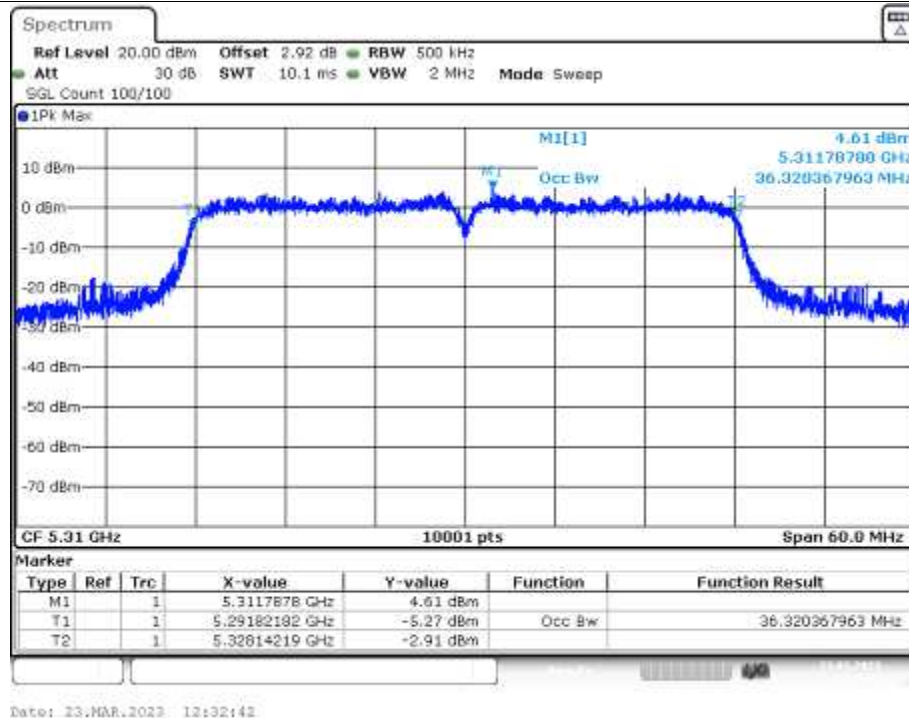
OBW NVNT n20 5320MHz Ant1



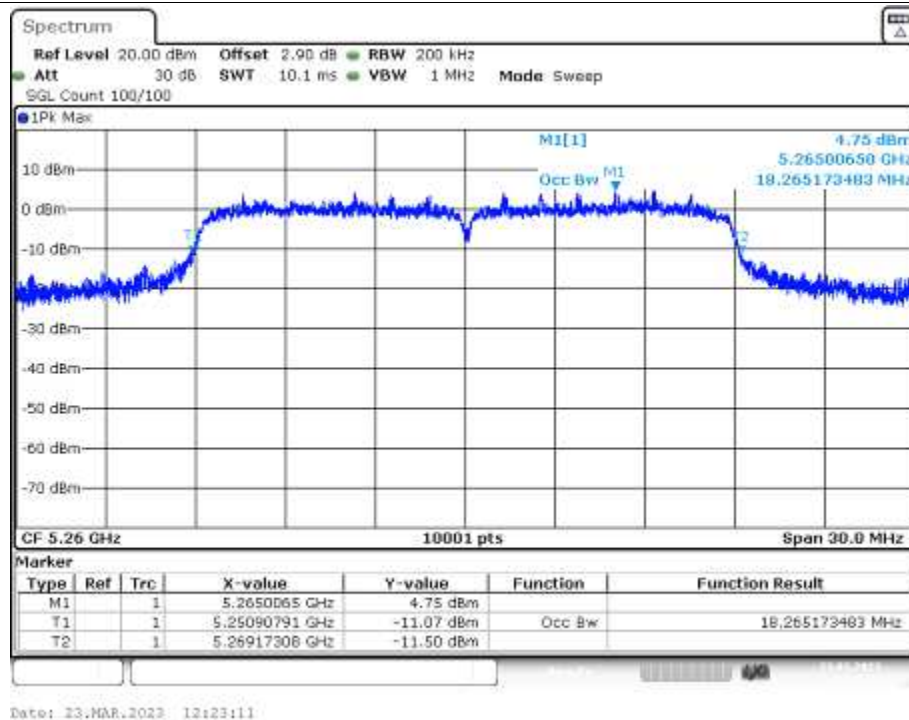
OBW NVNT n40 5270MHz Ant1



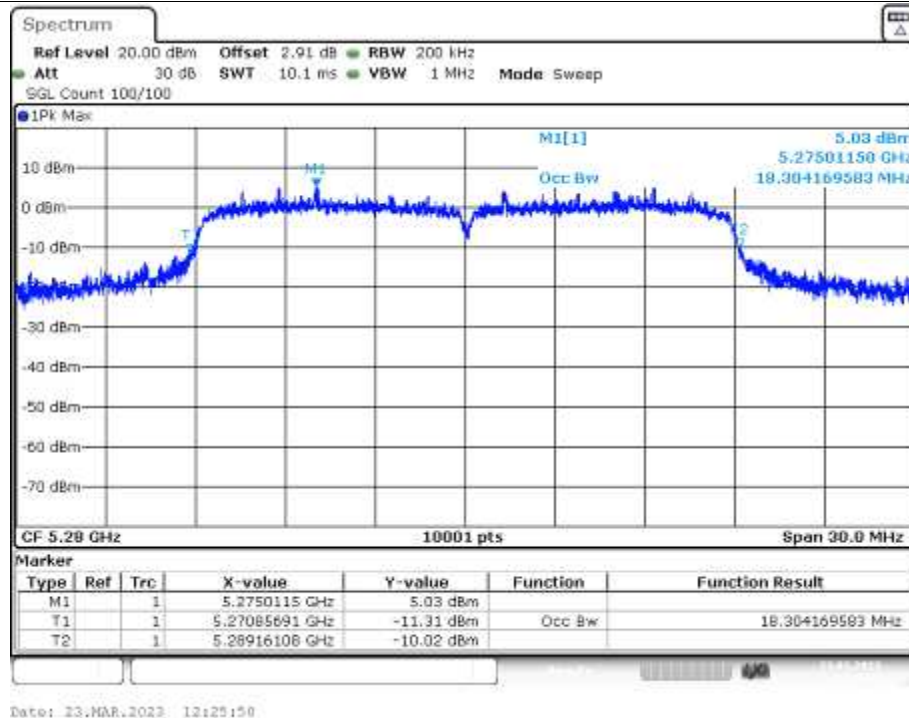
OBW NVNT n40 5310MHz Ant1



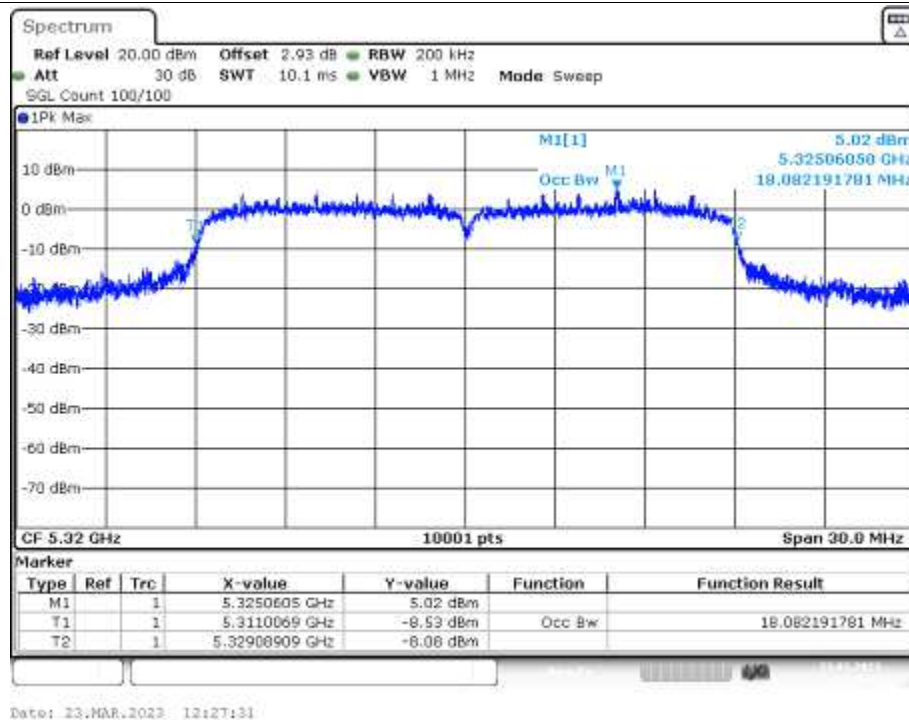
OBW NVNT ac20 5260MHz Ant1



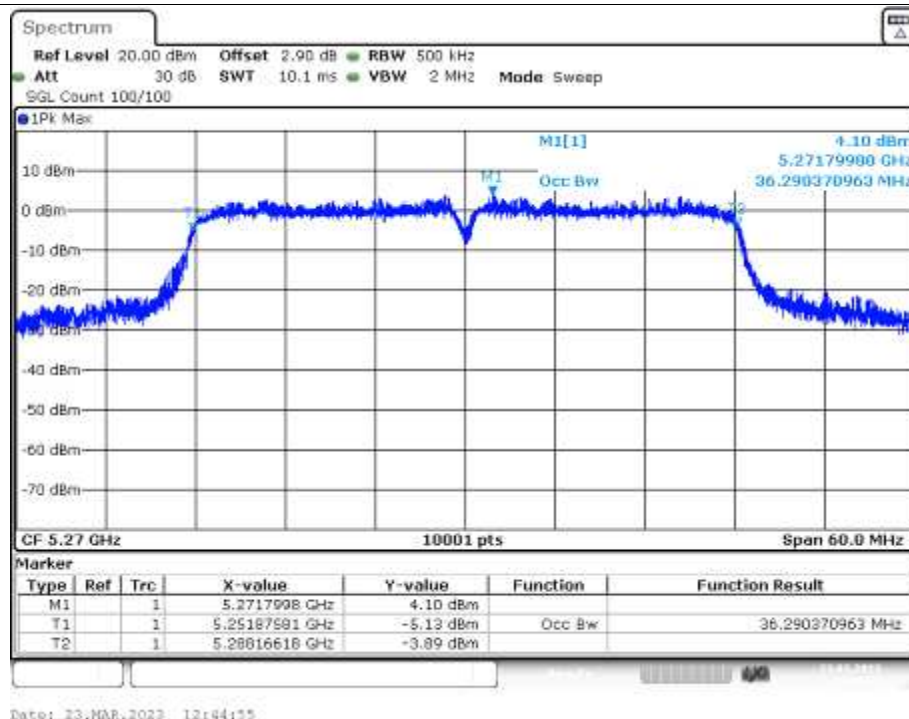
OBW NVNT ac20 5280MHz Ant1

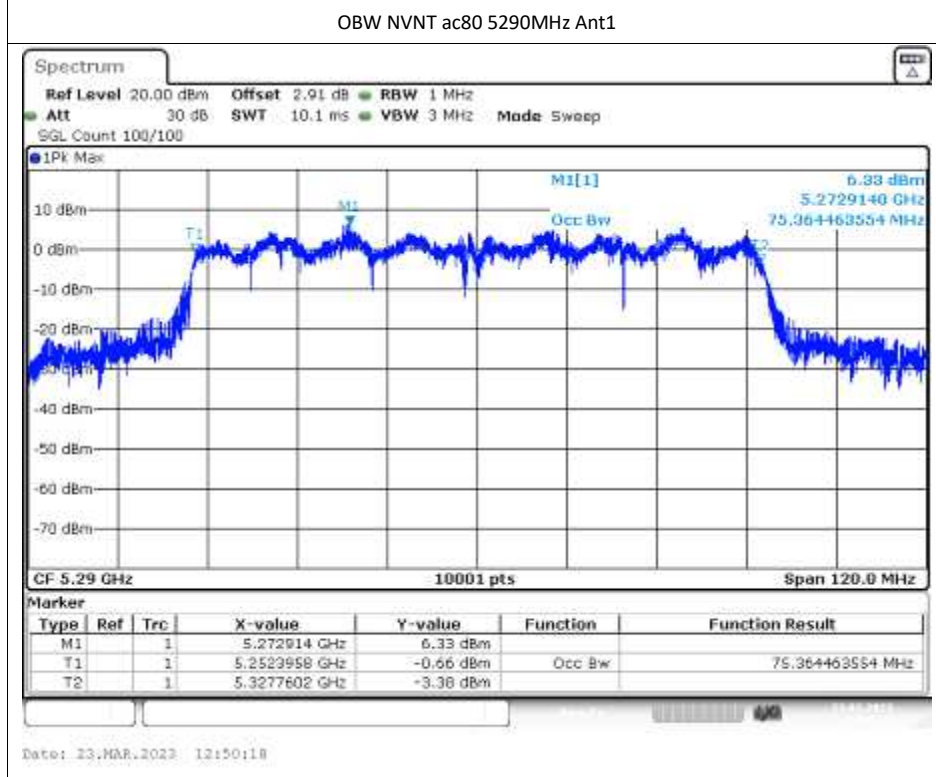
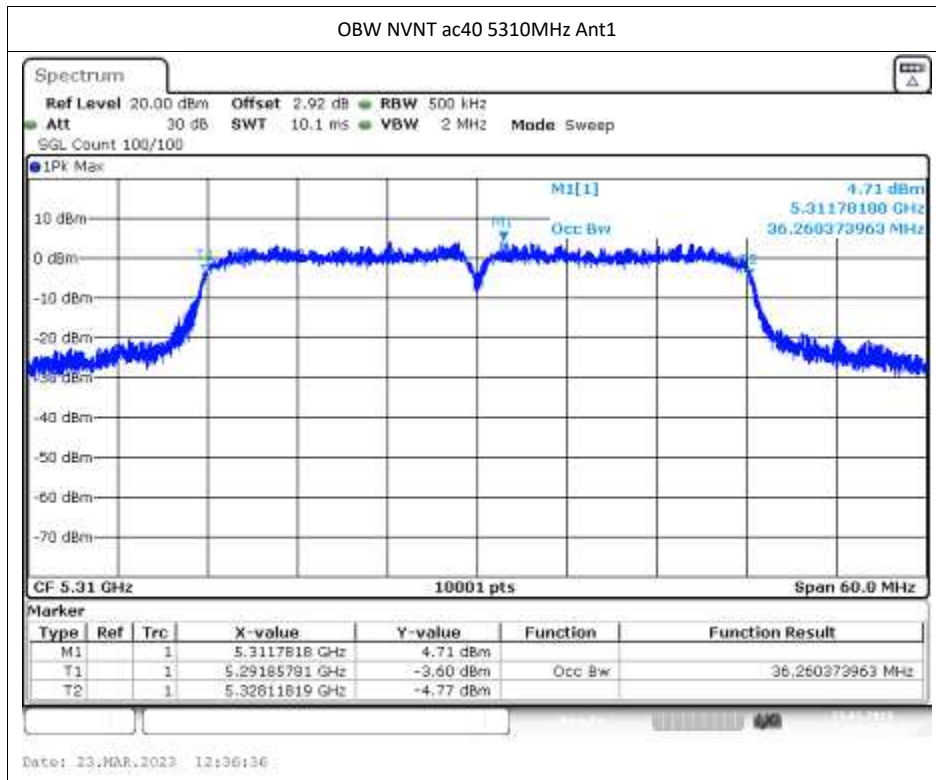


OBW NVNT ac20 5320MHz Ant1



OBW NVNT ac40 5270MHz Ant1



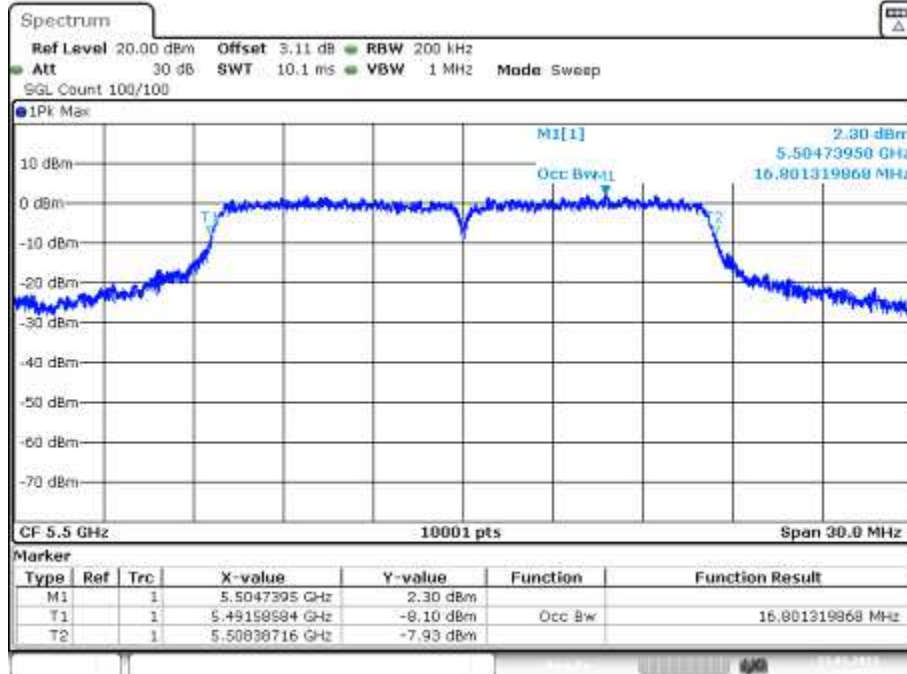


5G U-NII-2C:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.801
NVNT	a	5600	Ant1	16.582
NVNT	a	5700	Ant1	16.615
NVNT	n20	5500	Ant1	17.671
NVNT	n20	5600	Ant1	17.674
NVNT	n20	5700	Ant1	17.716
NVNT	n40	5510	Ant1	36.026
NVNT	n40	5590	Ant1	36.038
NVNT	n40	5670	Ant1	36.056
NVNT	ac20	5500	Ant1	17.683
NVNT	ac20	5600	Ant1	17.701
NVNT	ac20	5700	Ant1	17.74
NVNT	ac40	5510	Ant1	36.086
NVNT	ac40	5590	Ant1	36.038
NVNT	ac40	5670	Ant1	36.092
NVNT	ac80	5530	Ant1	75.064
NVNT	ac80	5610	Ant1	75.064

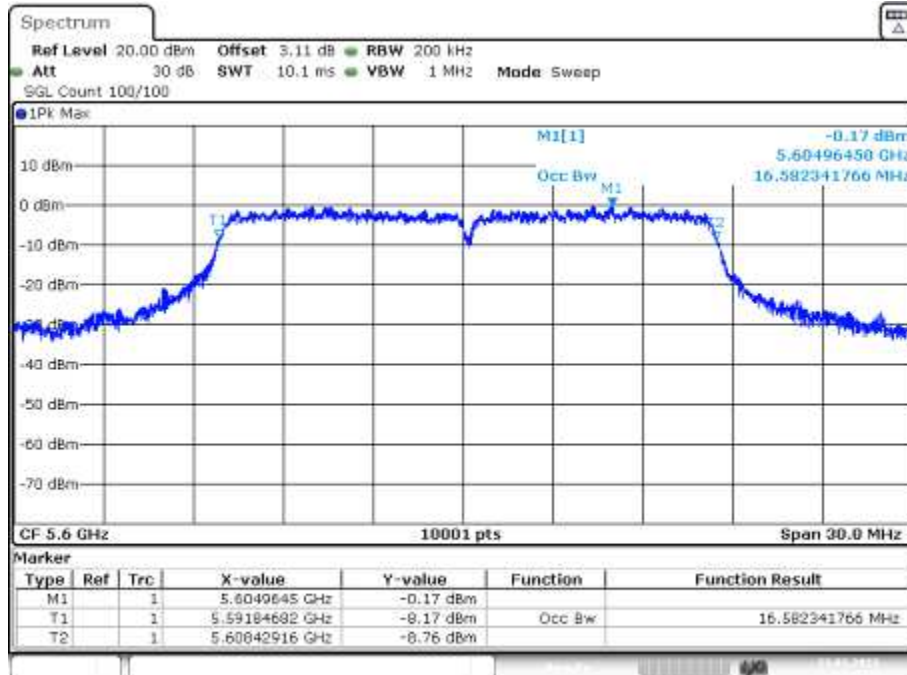
Test Graphs

OBW NVNT a 5500MHz Ant1



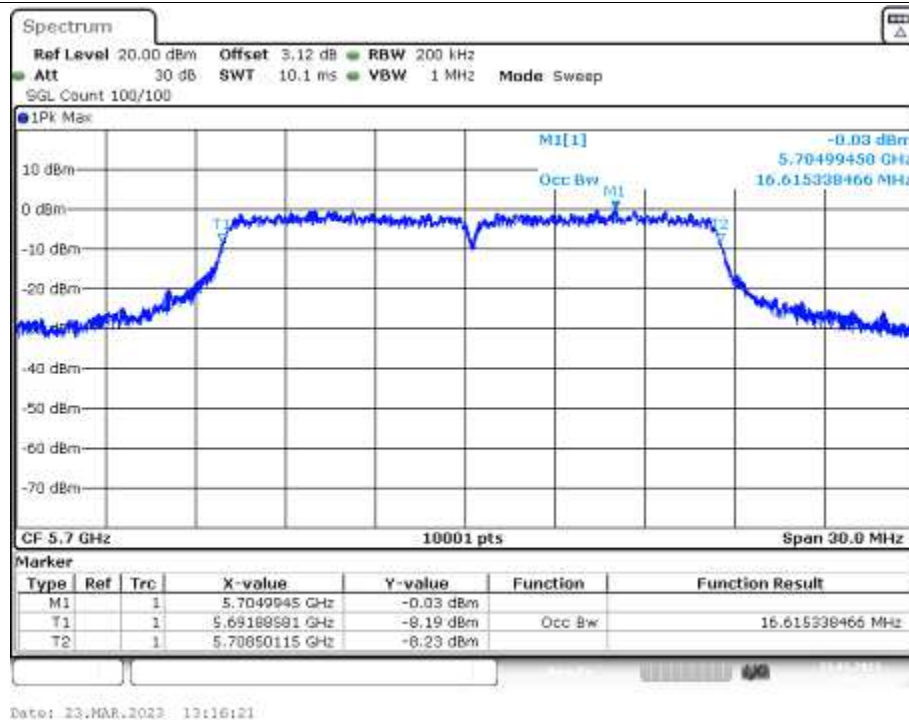
Date: 23.MAR.2023 13:10:59

OBW NVNT a 5600MHz Ant1

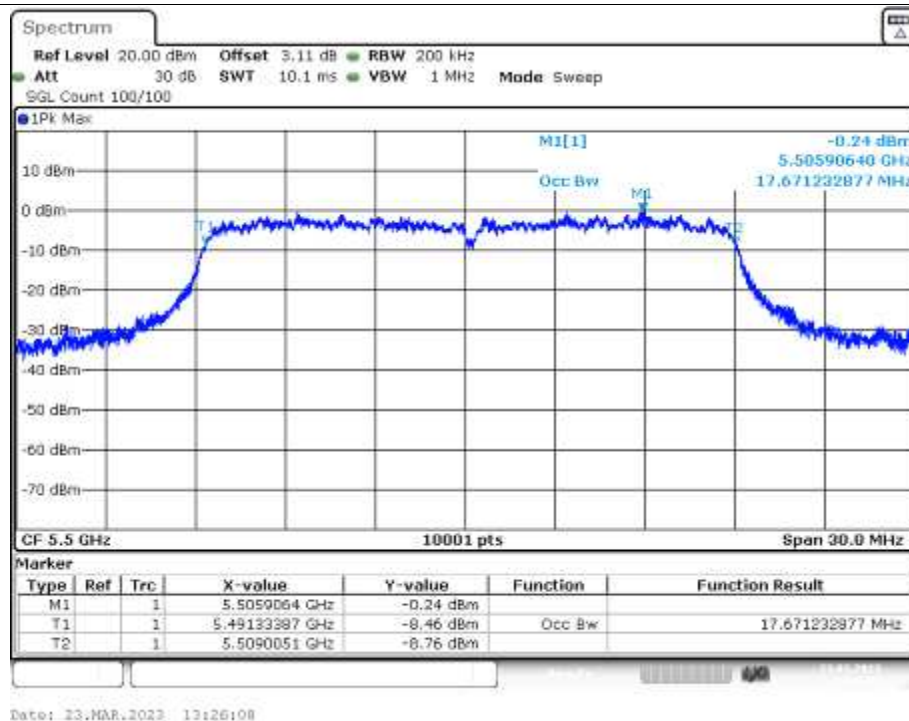


Date: 23.MAR.2023 13:12:55

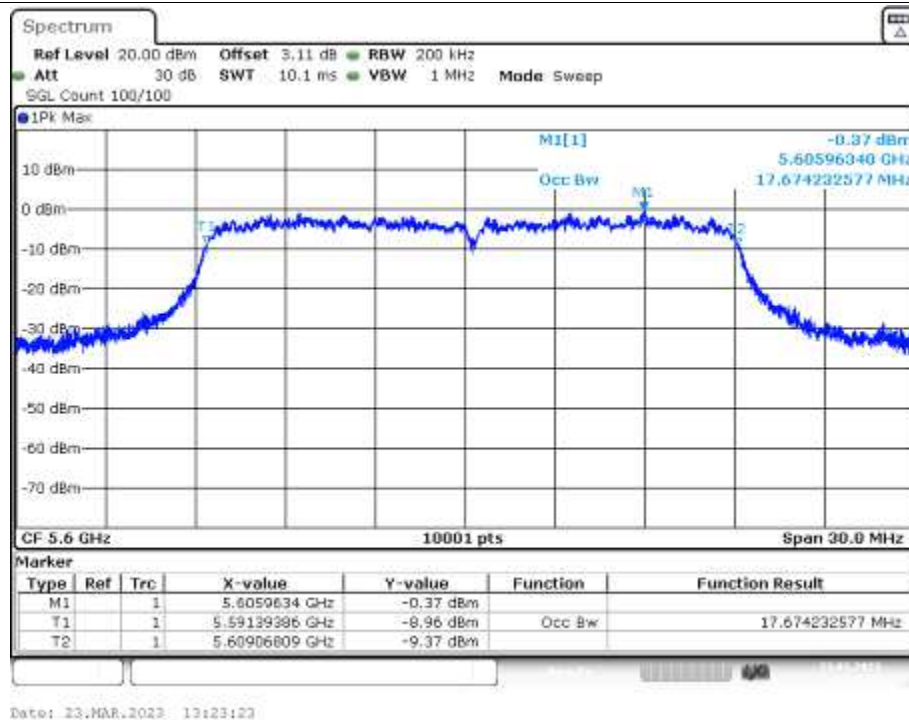
OBW NVNT a 5700MHz Ant1



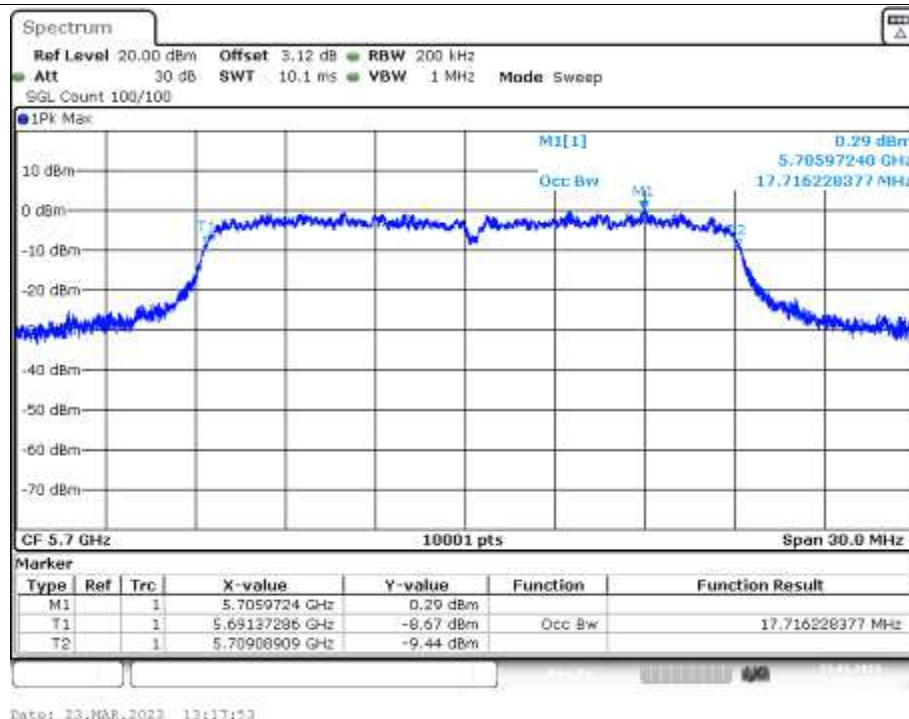
OBW NVNT n20 5500MHz Ant1



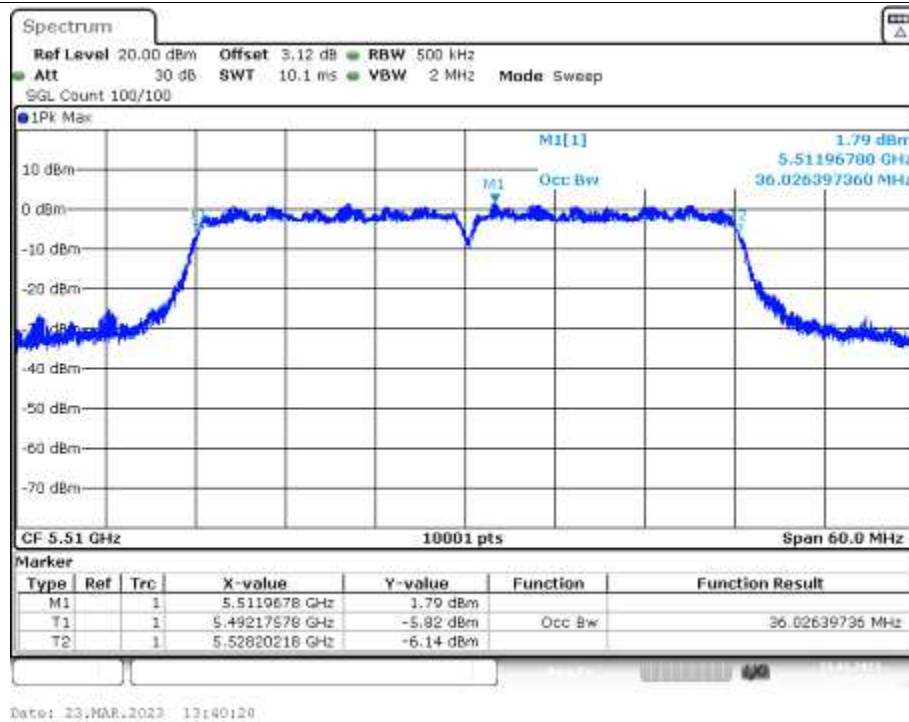
OBW NVNT n20 5600MHz Ant1



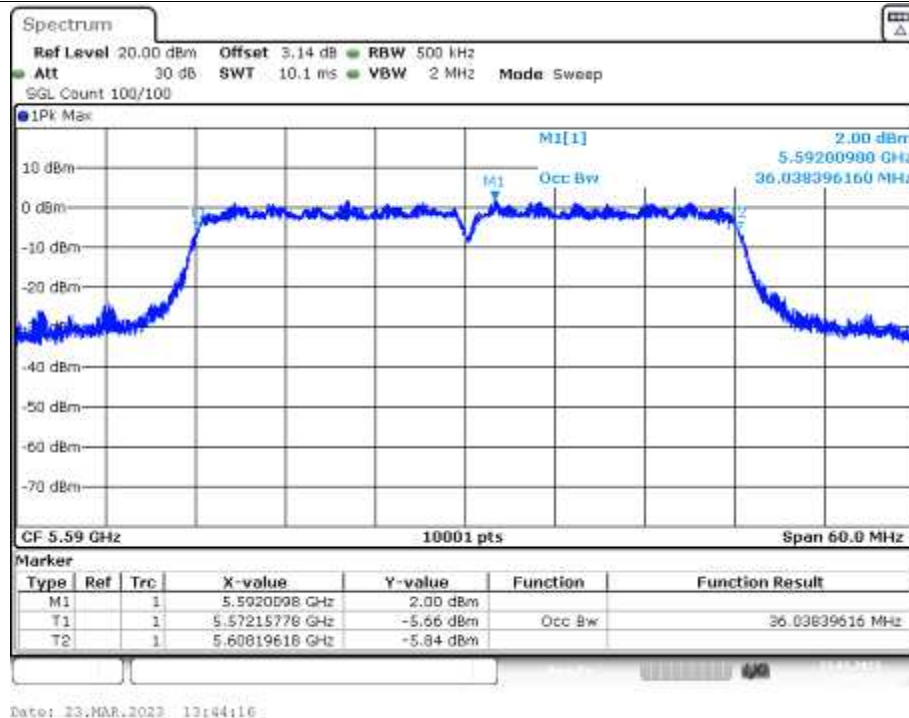
OBW NVNT n20 5700MHz Ant1



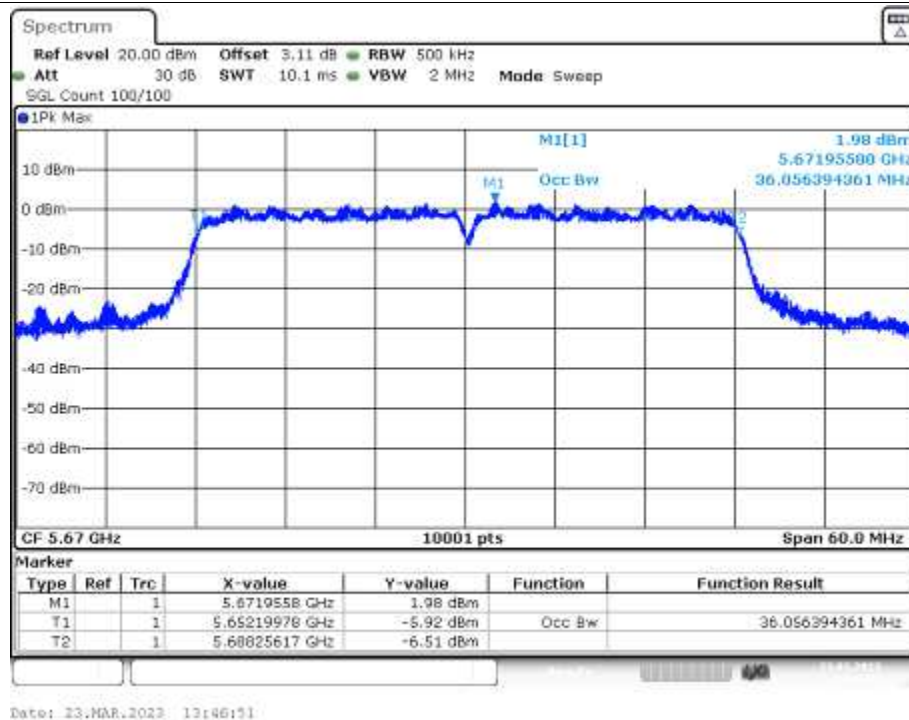
OBW NVNT n40 5510MHz Ant1



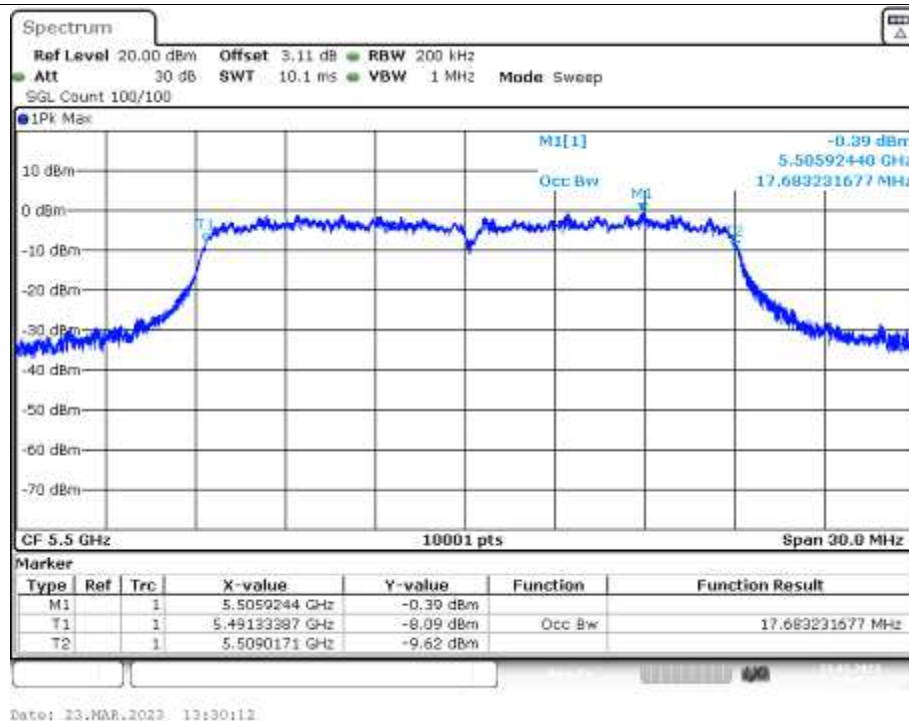
OBW NVNT n40 5590MHz Ant1



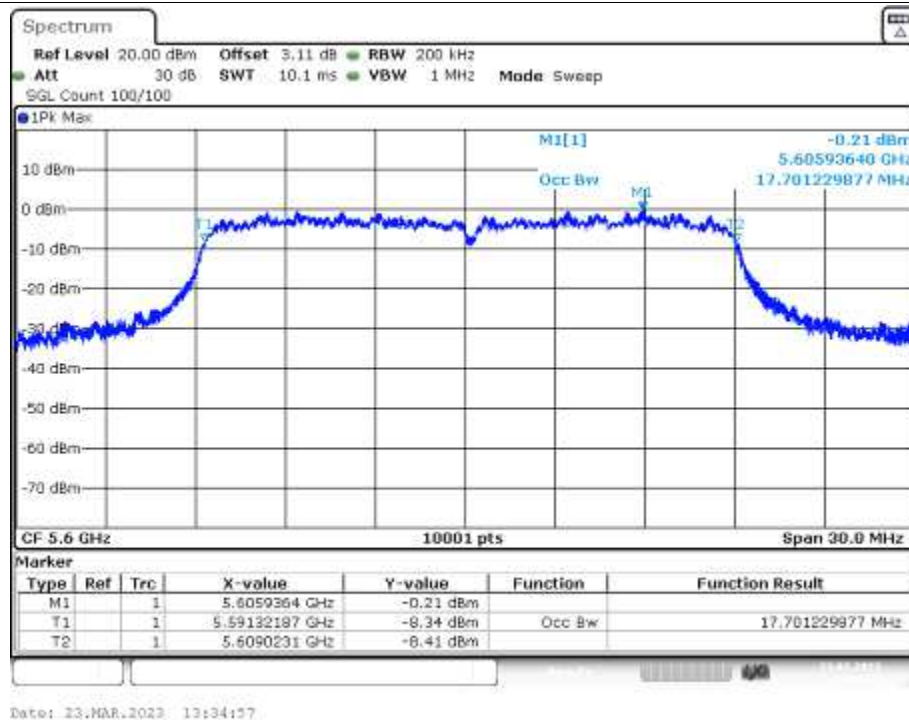
OBW NVNT n40 5670MHz Ant1



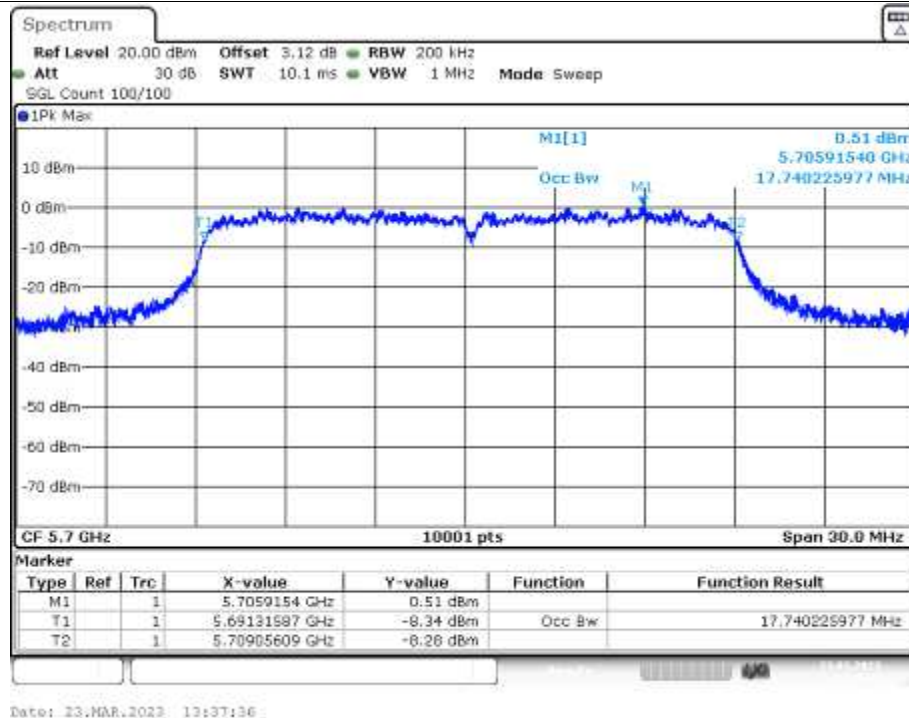
OBW NVNT ac20 5500MHz Ant1

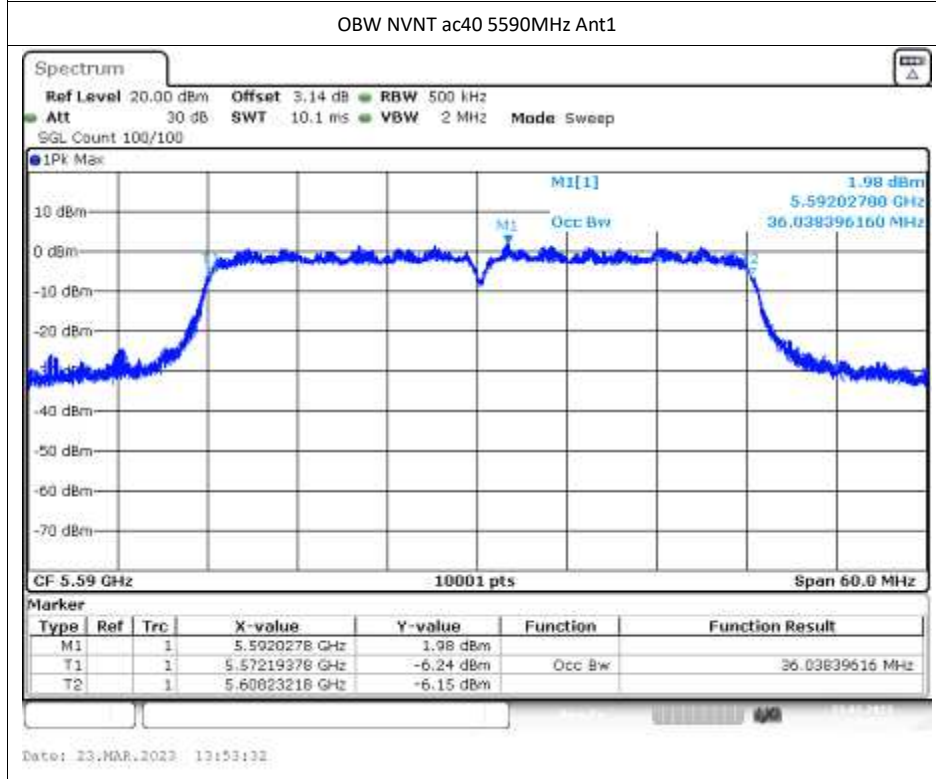
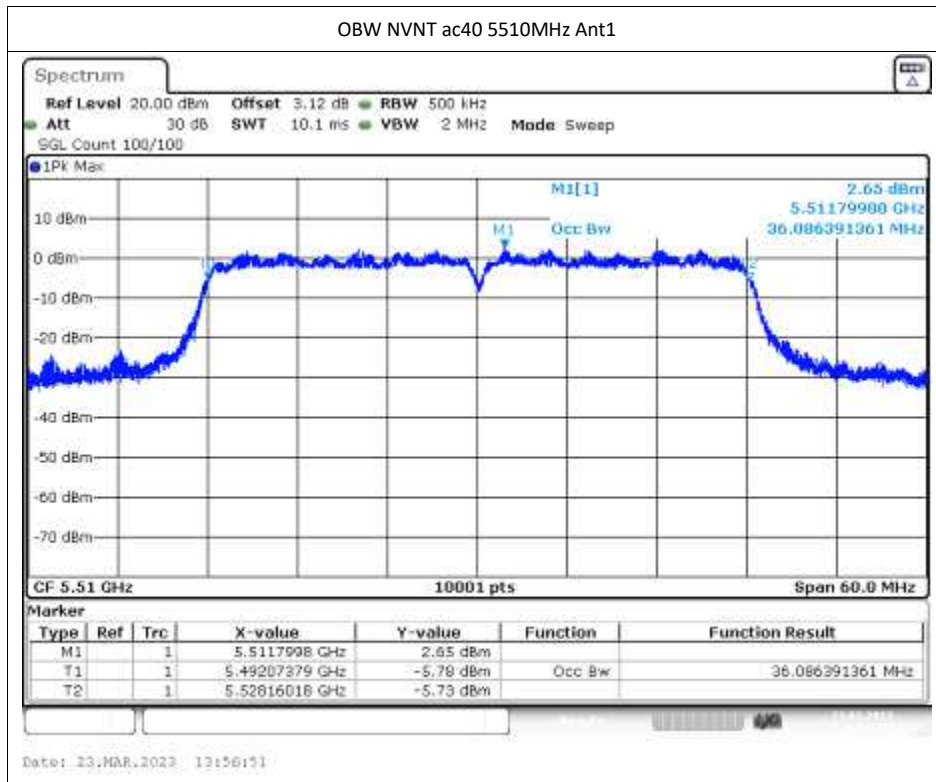


OBW NVNT ac20 5600MHz Ant1

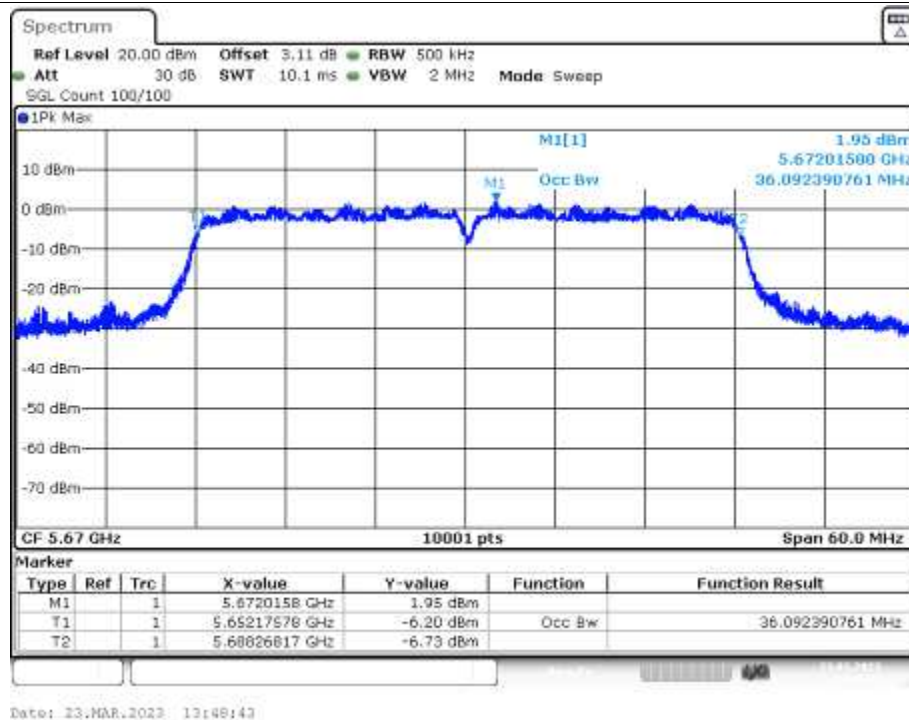


OBW NVNT ac20 5700MHz Ant1

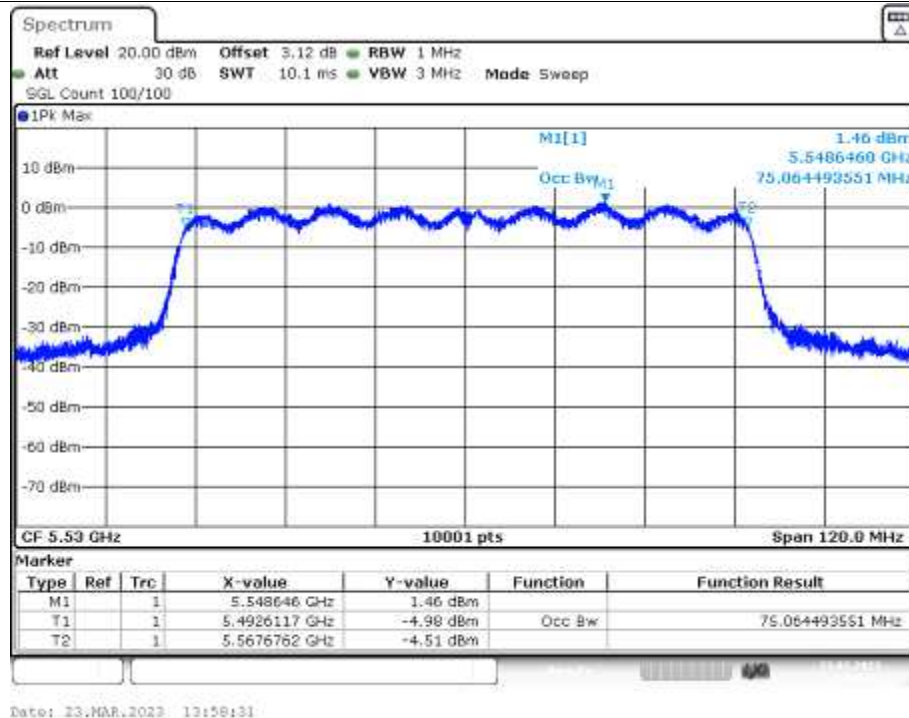




OBW NVNT ac40 5670MHz Ant1

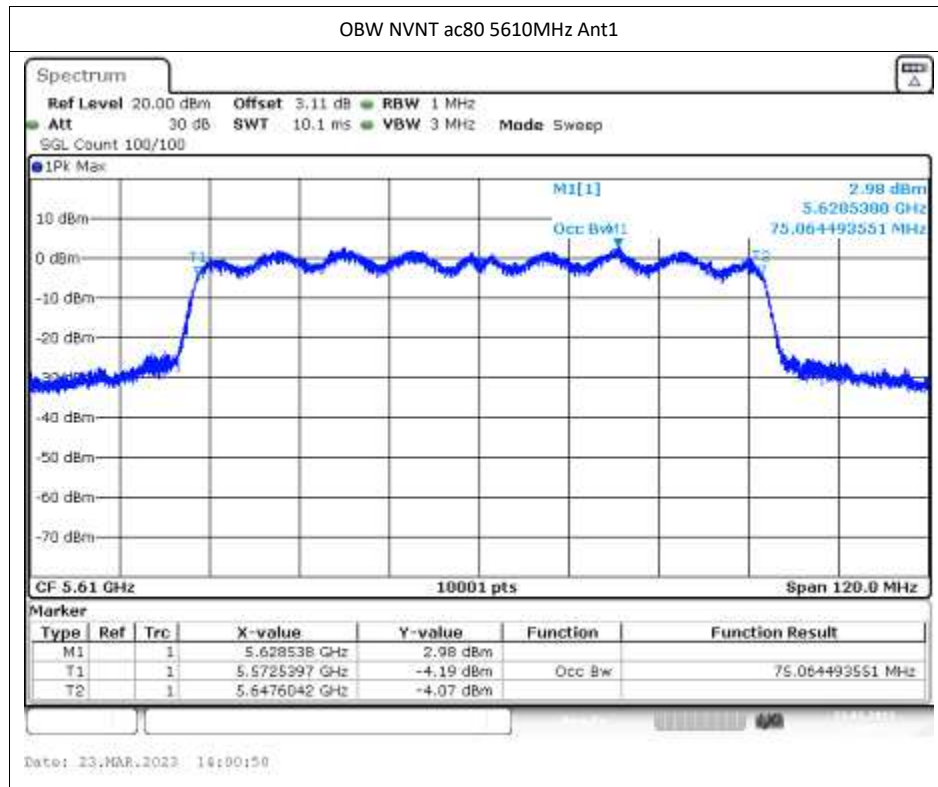


OBW NVNT ac80 5530MHz Ant1



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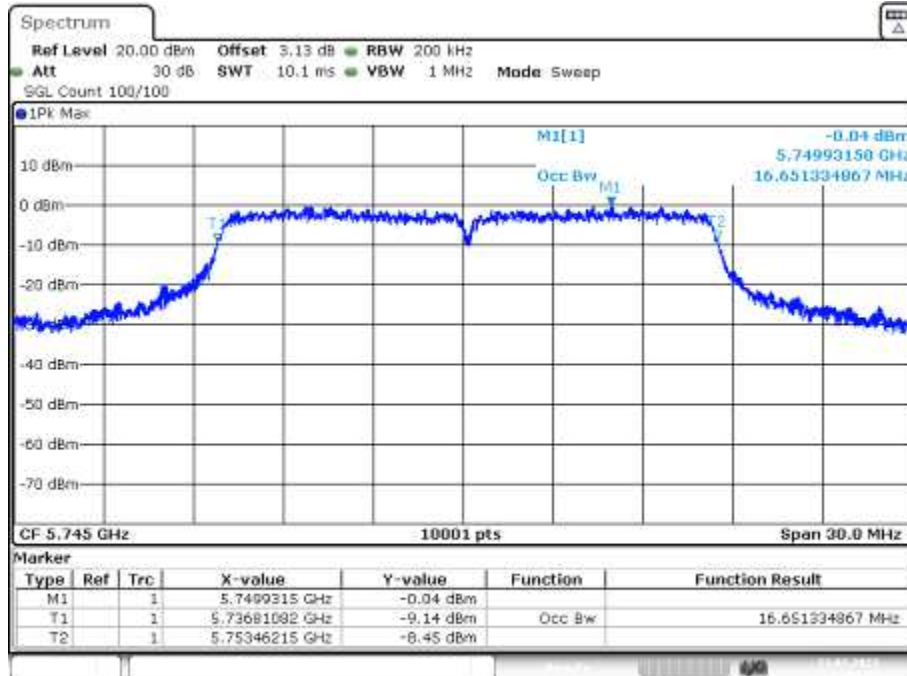


5G U-NII-3:

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.651
NVNT	a	5785	Ant1	16.687
NVNT	a	5825	Ant1	16.654
NVNT	n20	5745	Ant1	17.803
NVNT	n20	5785	Ant1	17.764
NVNT	n20	5825	Ant1	17.77
NVNT	n40	5755	Ant1	35.99
NVNT	n40	5795	Ant1	35.978
NVNT	ac20	5745	Ant1	17.752
NVNT	ac20	5785	Ant1	17.788
NVNT	ac20	5825	Ant1	17.785
NVNT	ac40	5755	Ant1	35.99
NVNT	ac40	5795	Ant1	35.99
NVNT	ac80	5775	Ant1	74.933

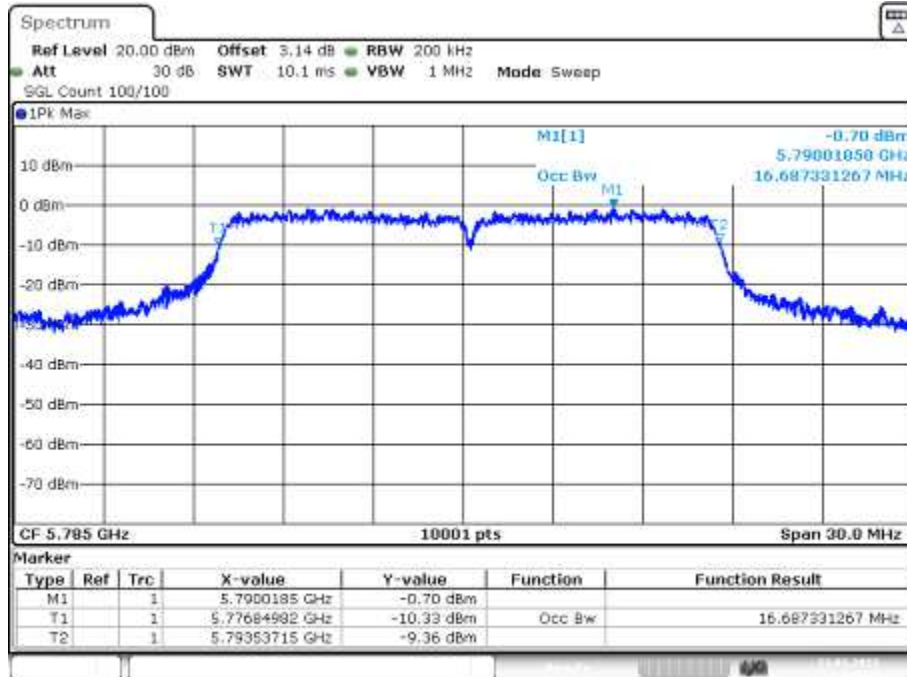
Test Graphs

OBW NVNT a 5745MHz Ant1



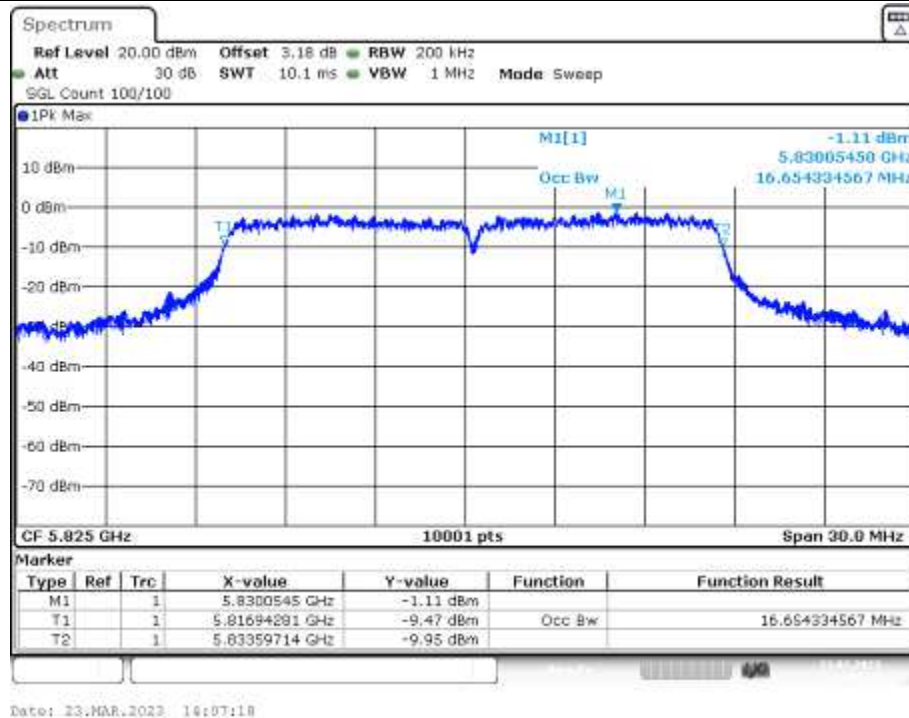
Date: 23.MAR.2023 16:04:00

OBW NVNT a 5785MHz Ant1

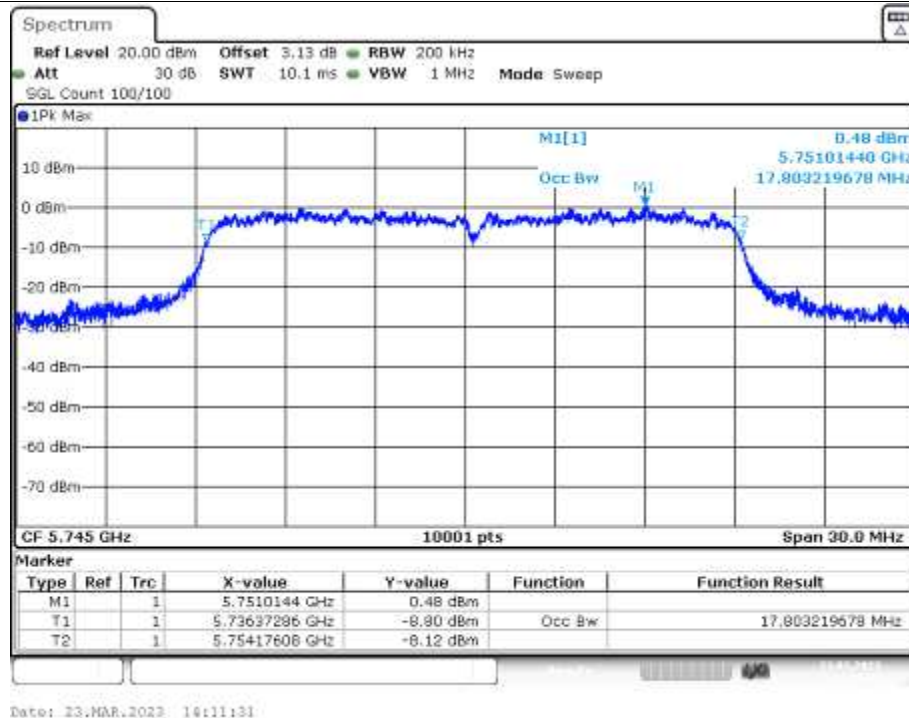


Date: 23.MAR.2023 16:05:12

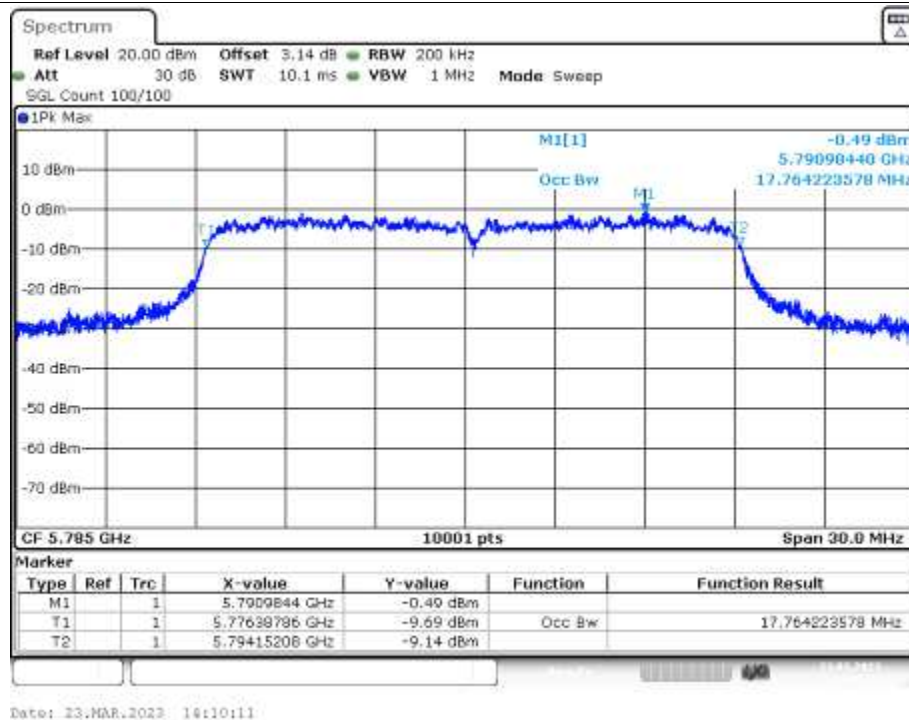
OBW NVNT a 5825MHz Ant1



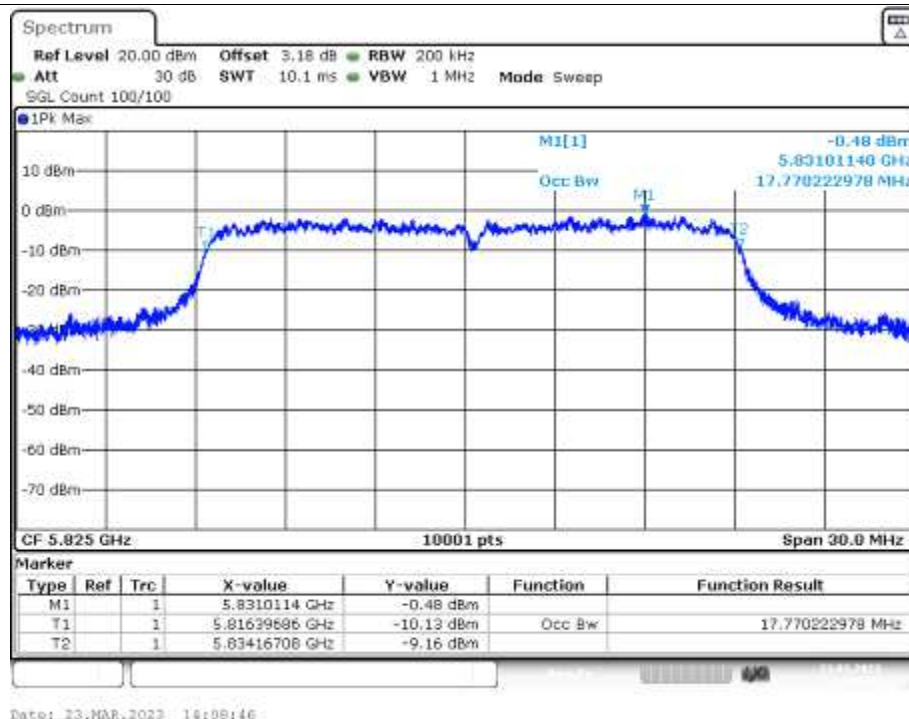
OBW NVNT n20 5745MHz Ant1



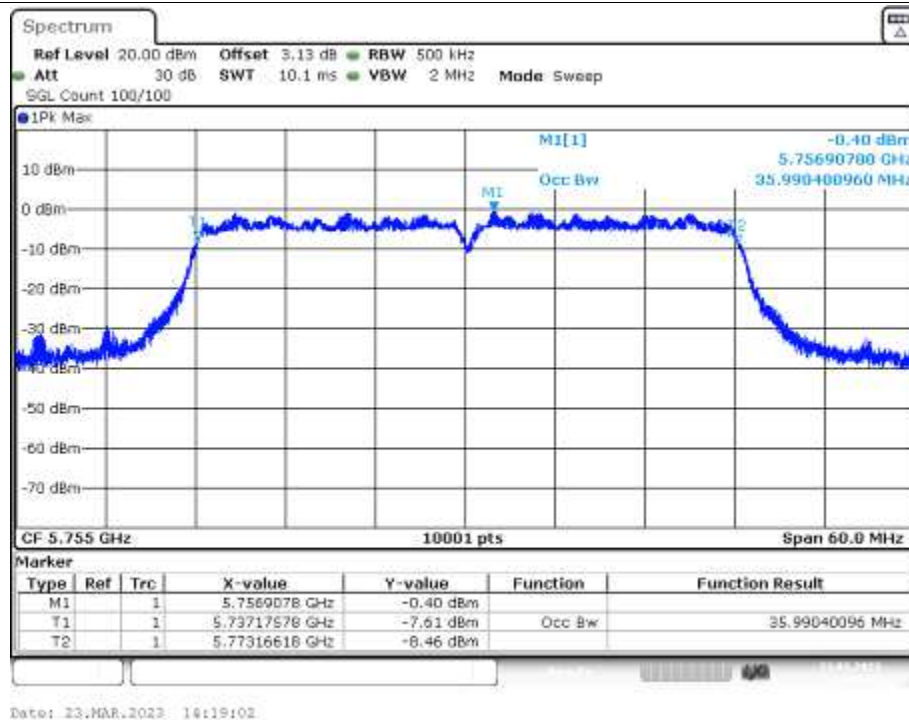
OBW NVNT n20 5785MHz Ant1



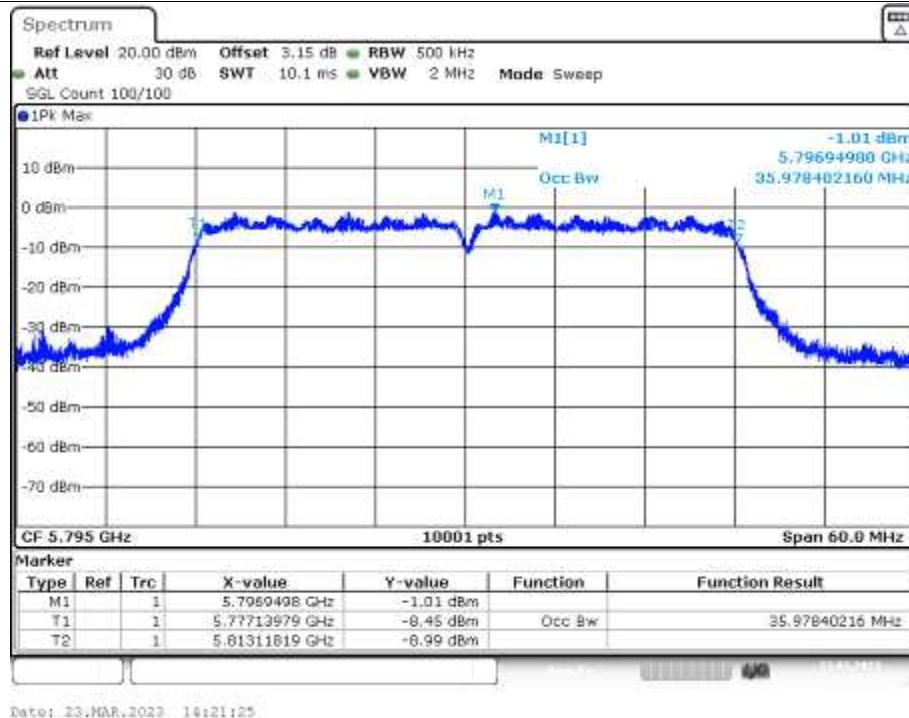
OBW NVNT n20 5825MHz Ant1



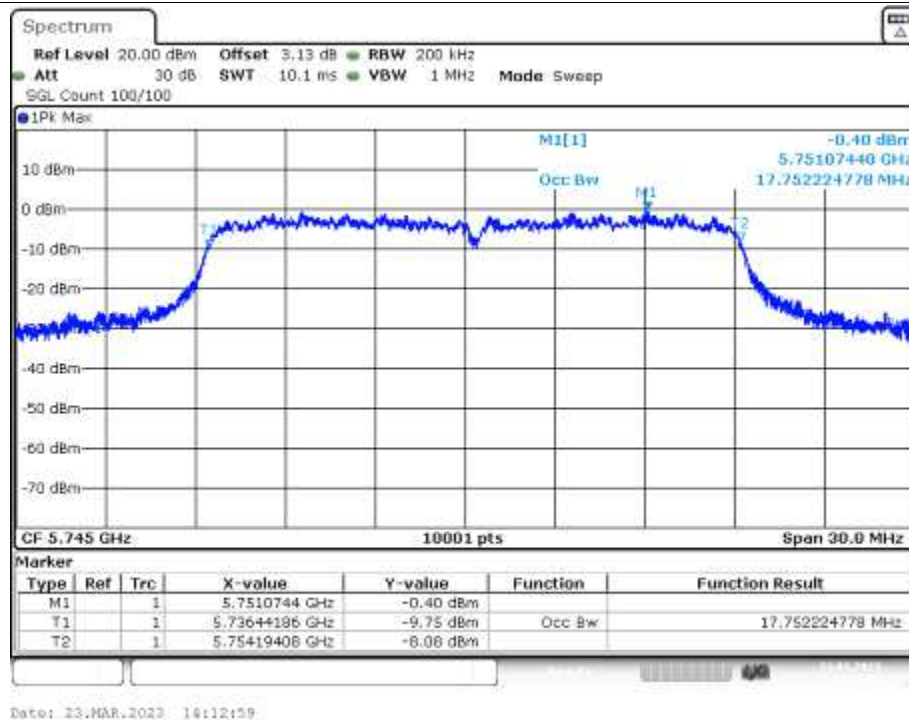
OBW NVNT n40 5755MHz Ant1



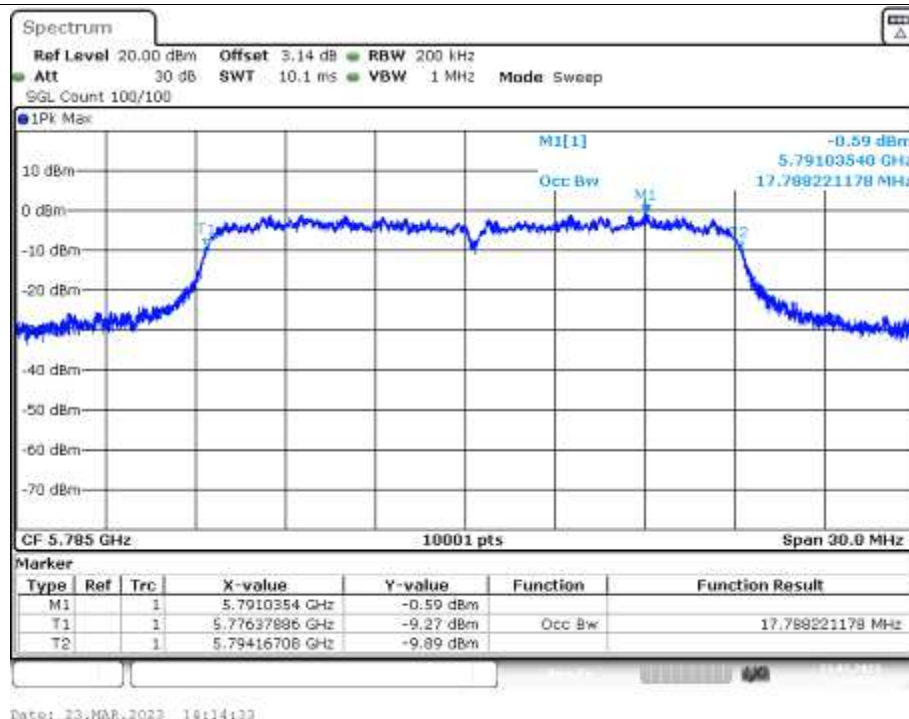
OBW NVNT n40 5795MHz Ant1



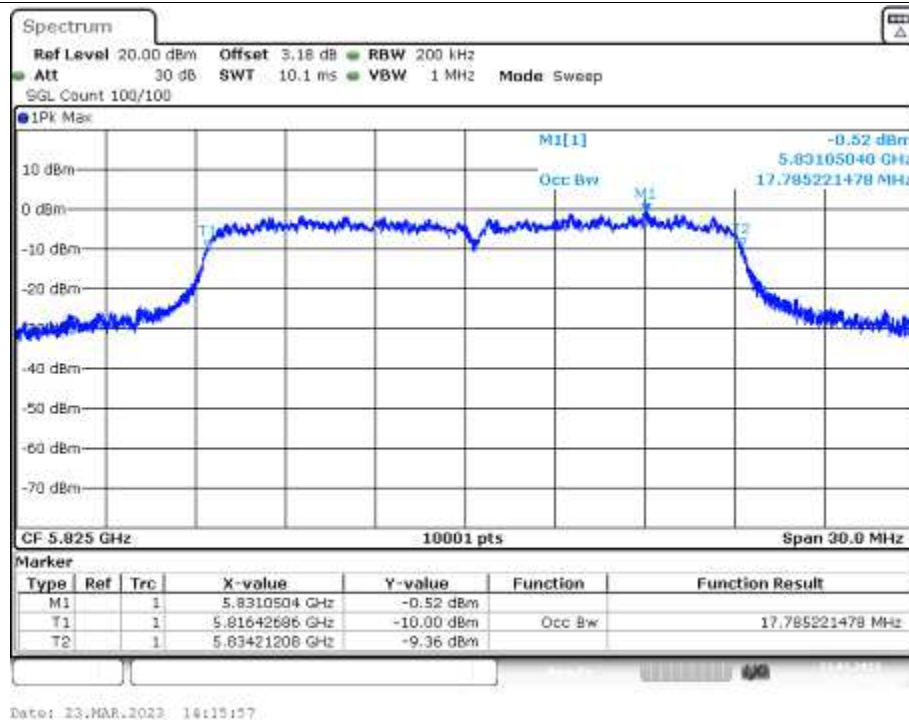
OBW NVNT ac20 5745MHz Ant1



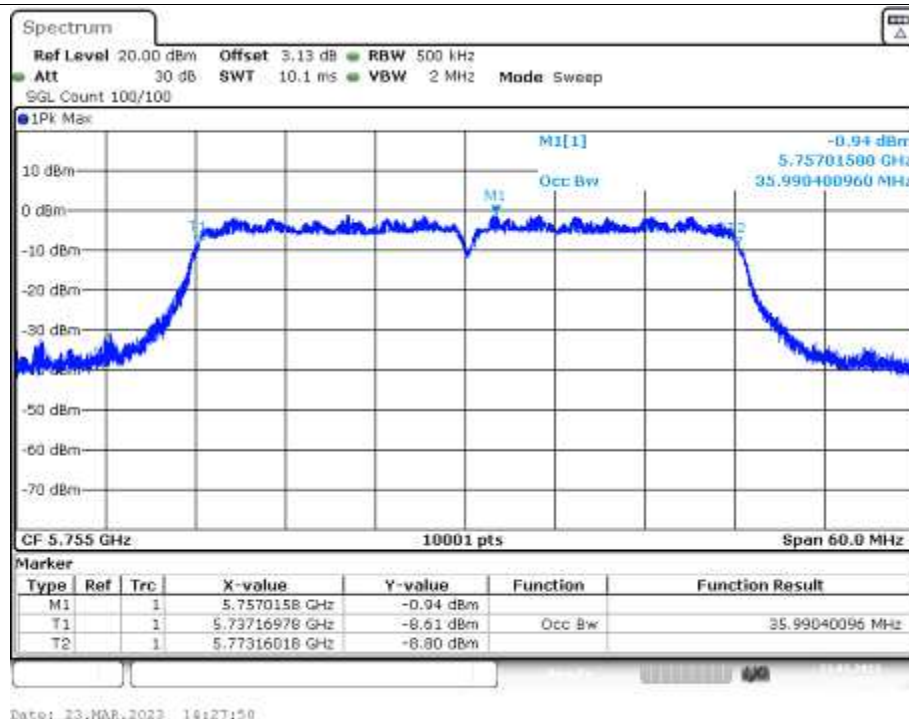
OBW NVNT ac20 5785MHz Ant1



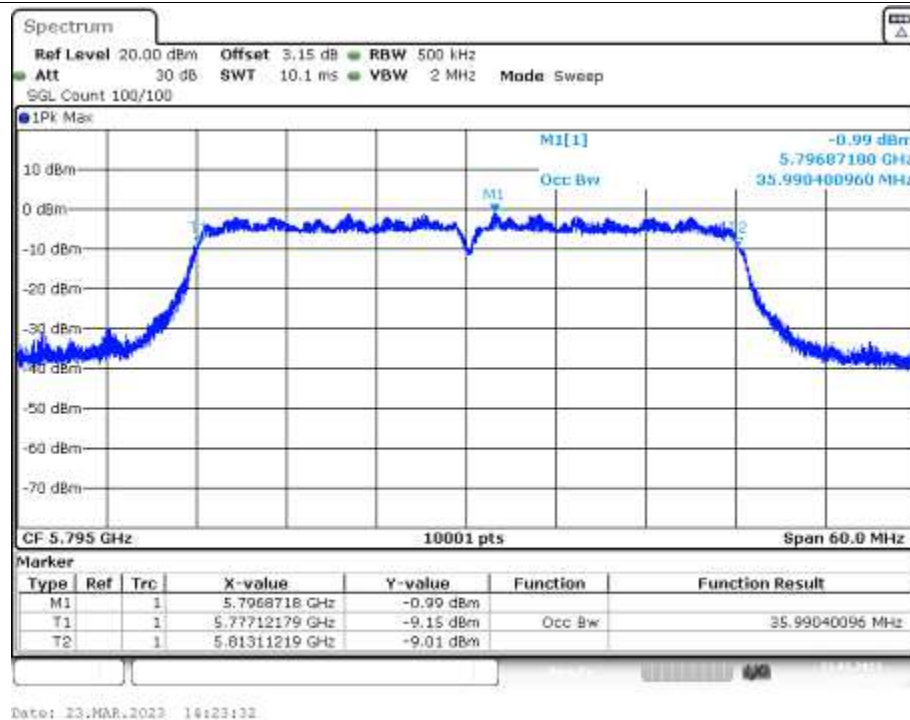
OBW NVNT ac20 5825MHz Ant1



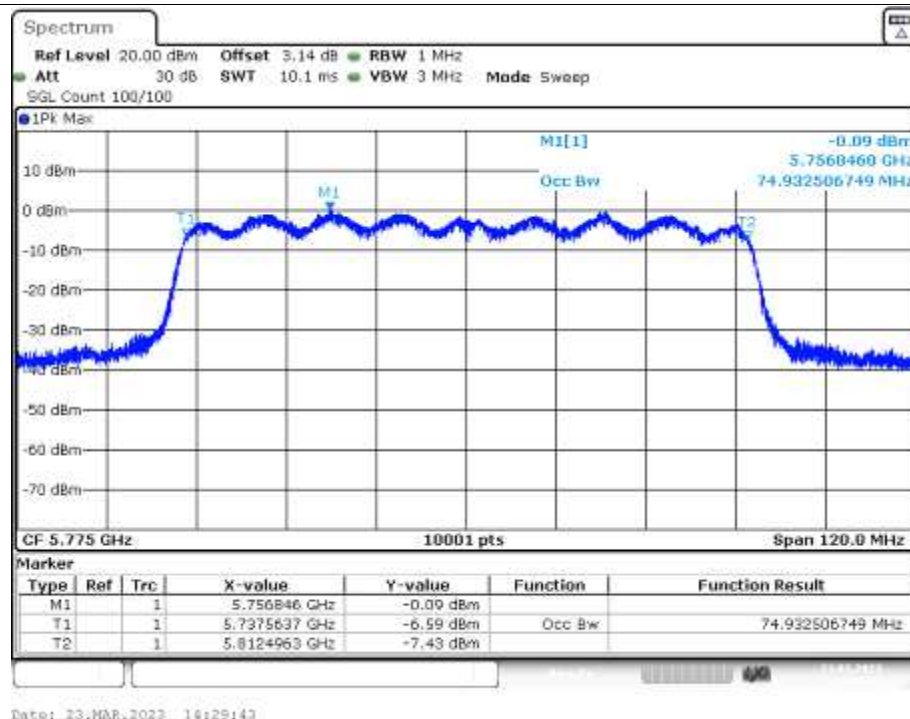
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



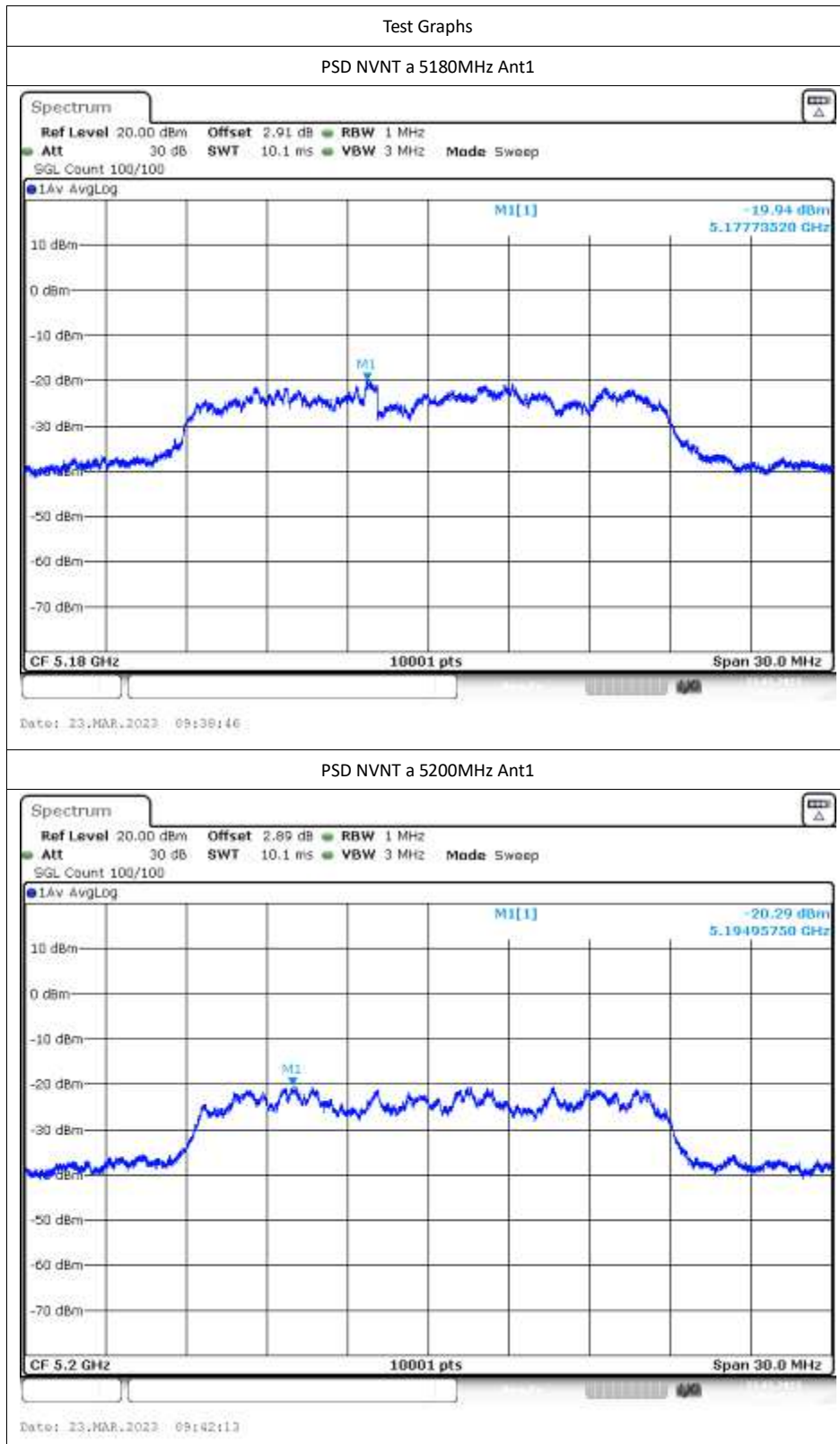
OBW NVNT ac80 5775MHz Ant1



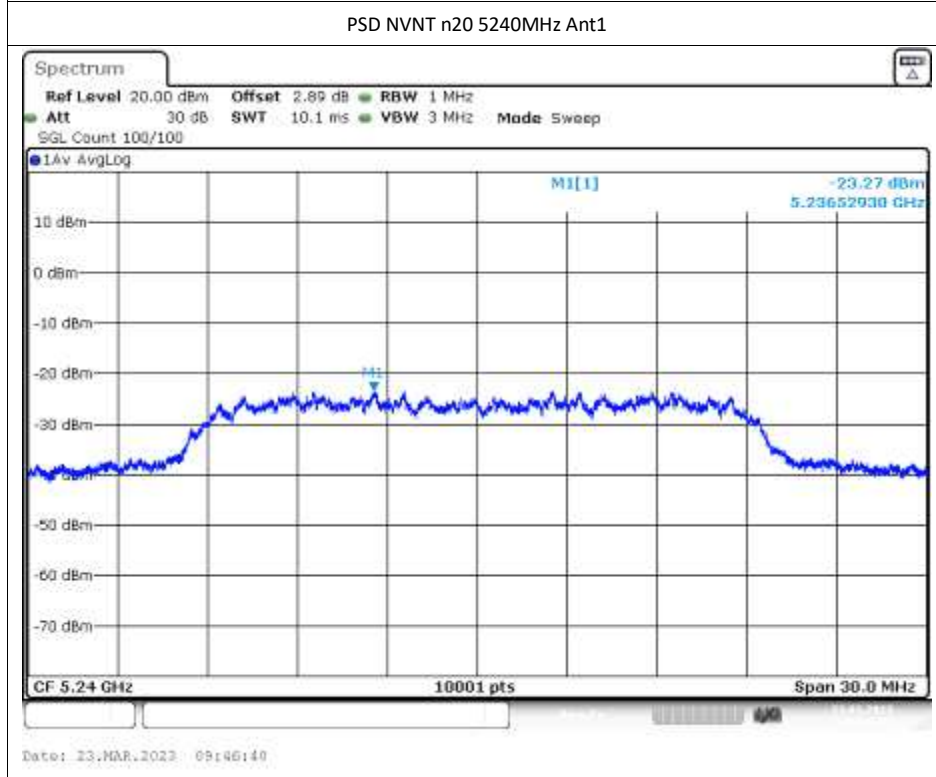
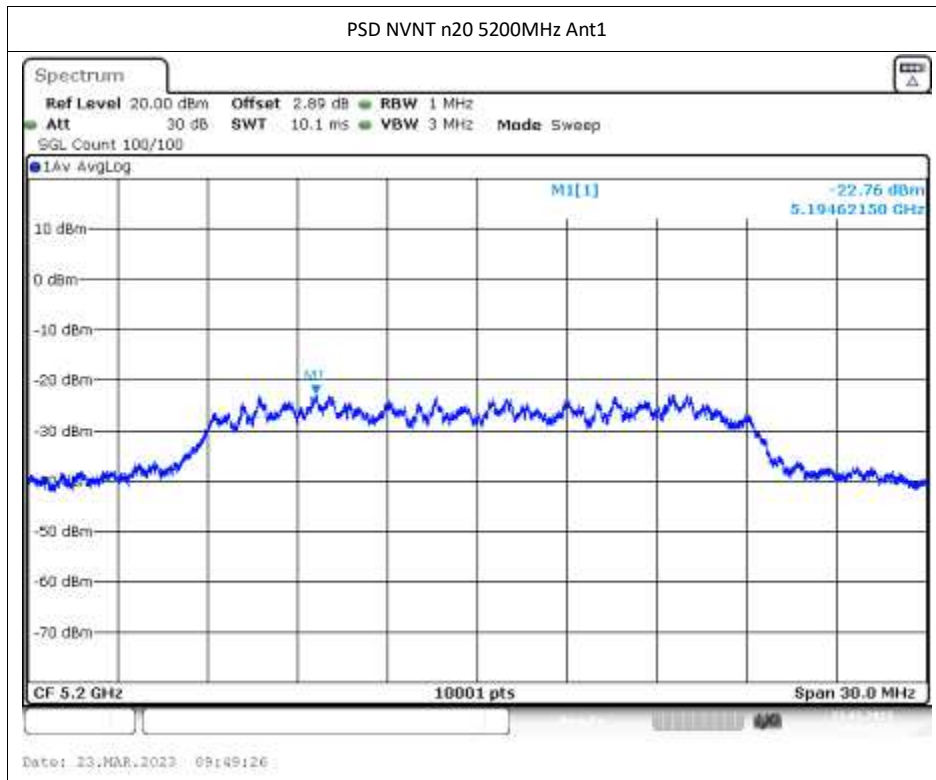
Maximum Power Spectral Density Level

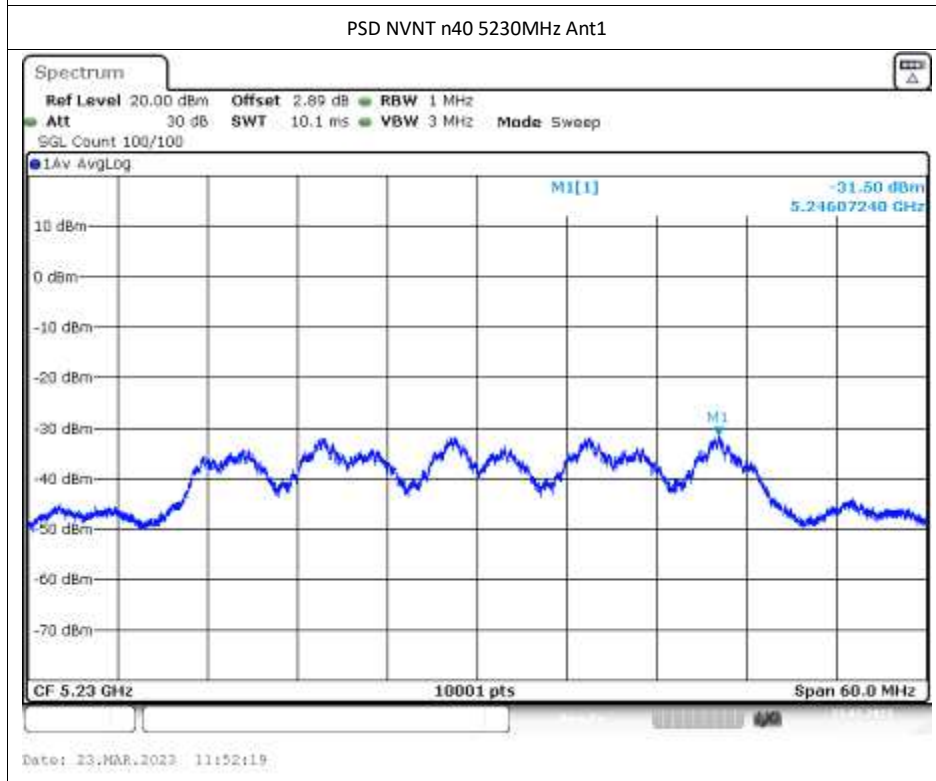
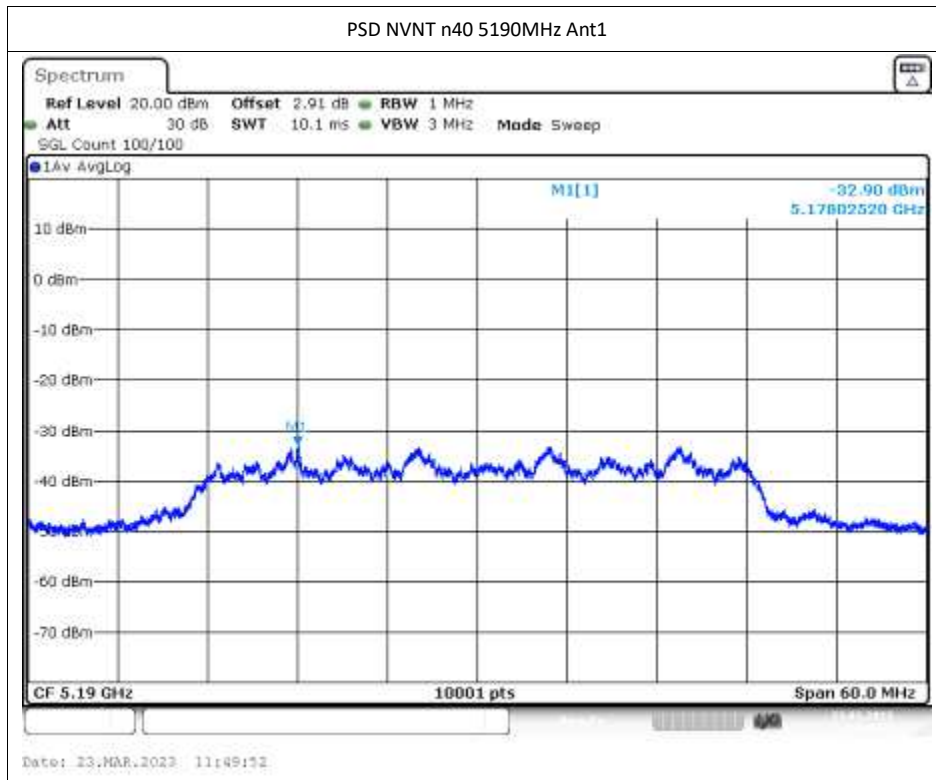
5G U-NII-1:

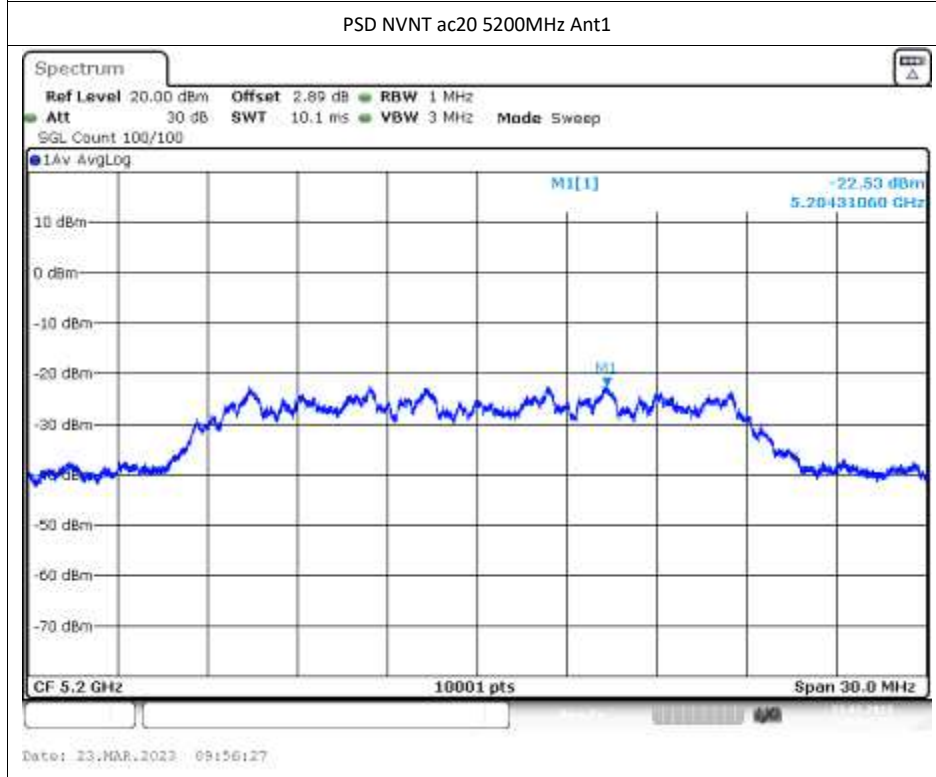
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-19.94	2.4	-17.54	11	Pass
NVNT	a	5200	Ant1	-20.29	2.4	-17.89	11	Pass
NVNT	a	5240	Ant1	-19.13	2.4	-16.73	11	Pass
NVNT	n20	5180	Ant1	-20.7	2.72	-17.98	11	Pass
NVNT	n20	5200	Ant1	-22.76	2.72	-20.04	11	Pass
NVNT	n20	5240	Ant1	-23.27	2.72	-20.55	11	Pass
NVNT	n40	5190	Ant1	-32.9	4.38	-28.52	11	Pass
NVNT	n40	5230	Ant1	-31.5	4.38	-27.12	11	Pass
NVNT	ac20	5180	Ant1	-19.97	2.72	-17.25	11	Pass
NVNT	ac20	5200	Ant1	-22.53	2.72	-19.81	11	Pass
NVNT	ac20	5240	Ant1	-17.83	2.71	-15.12	11	Pass
NVNT	ac40	5190	Ant1	-31.32	4.37	-26.95	11	Pass
NVNT	ac40	5230	Ant1	-32.98	4.37	-28.61	11	Pass
NVNT	ac80	5210	Ant1	-37.12	6.49	-30.63	11	Pass

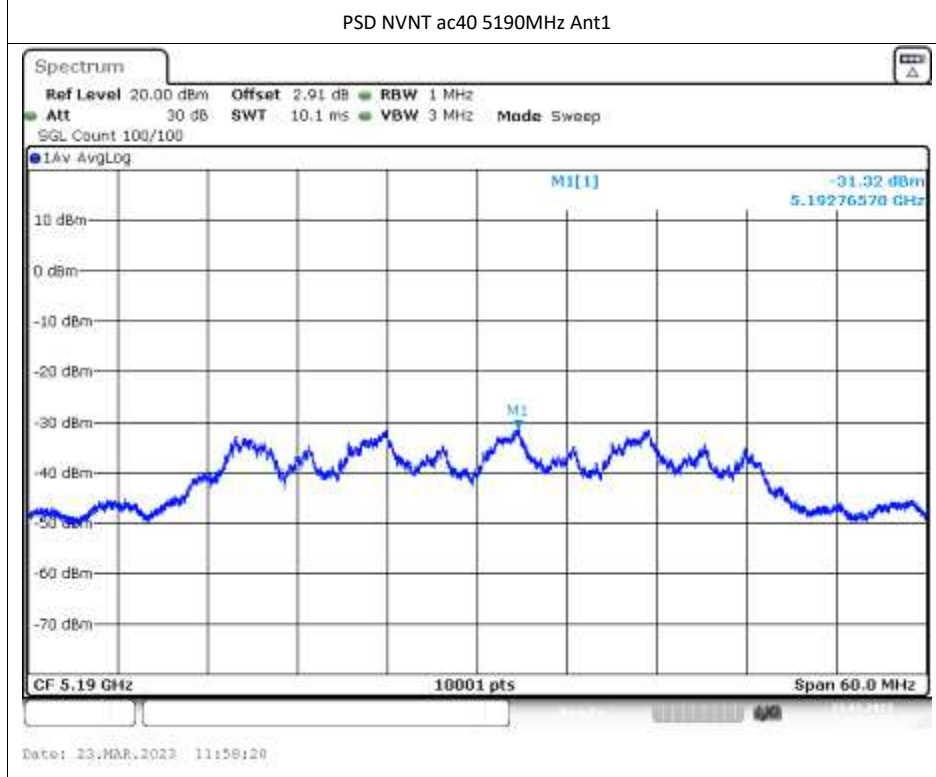
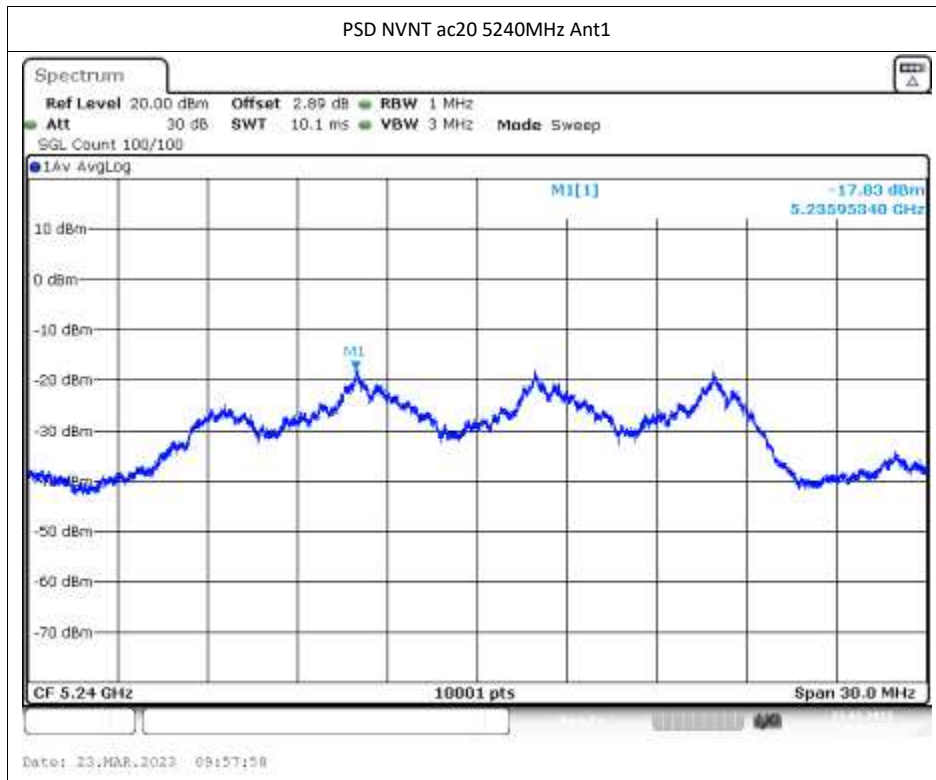


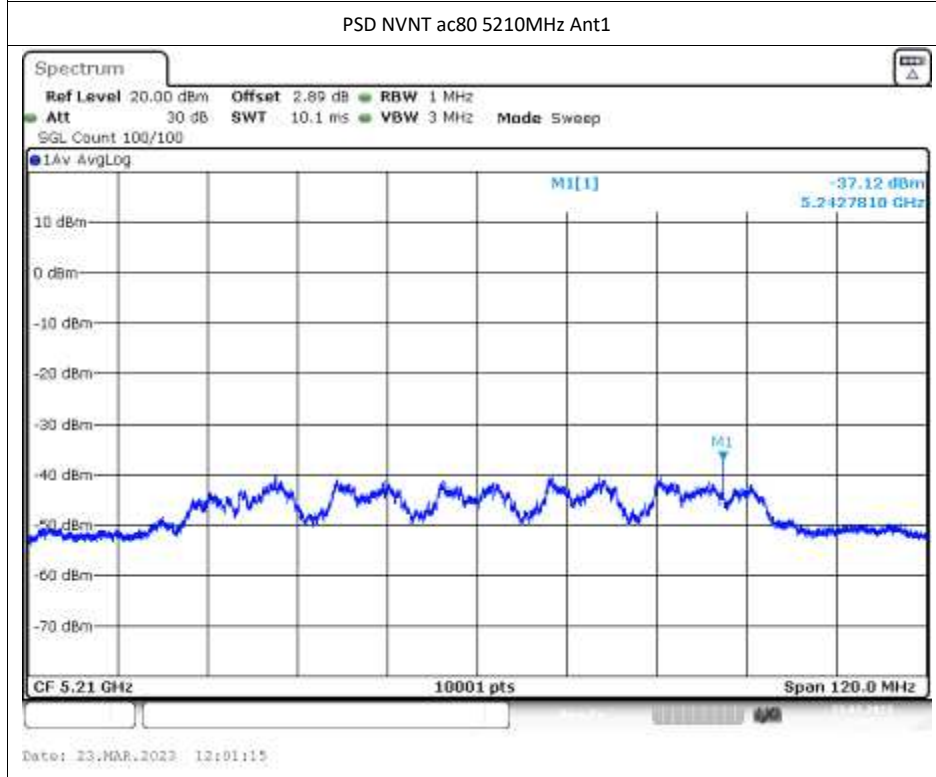
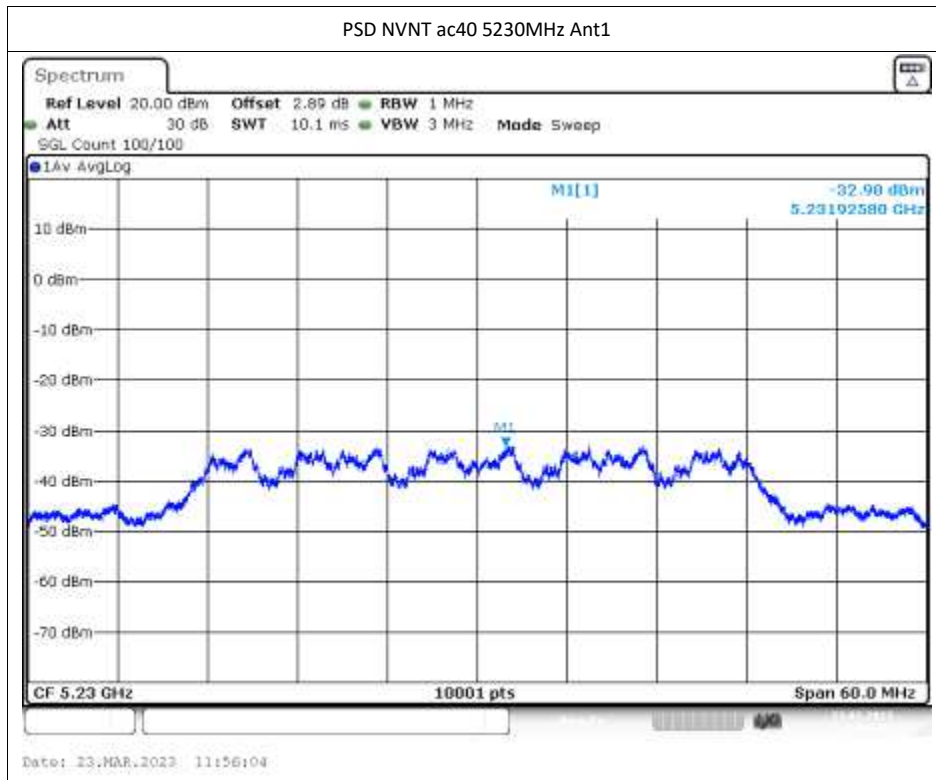






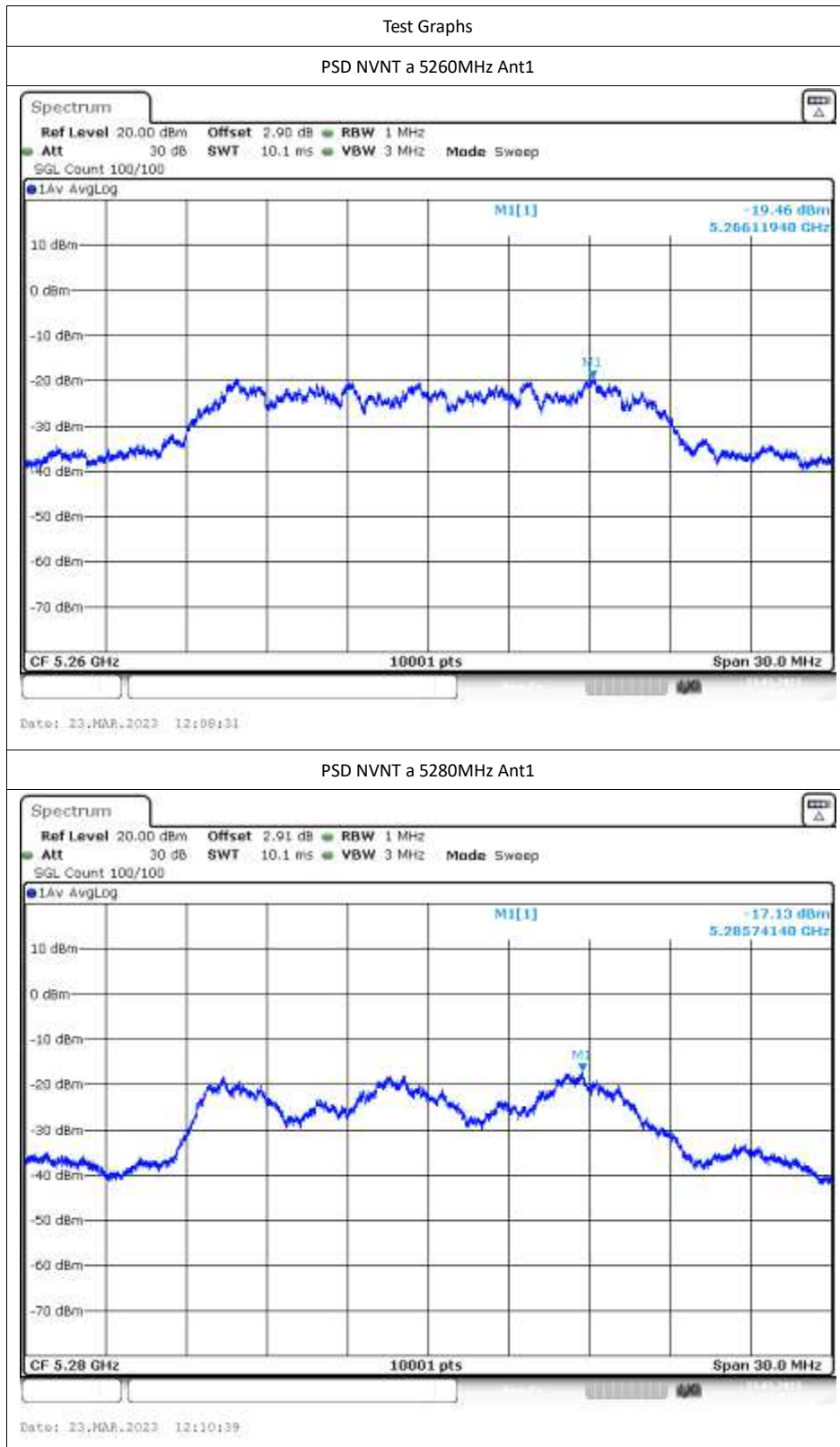


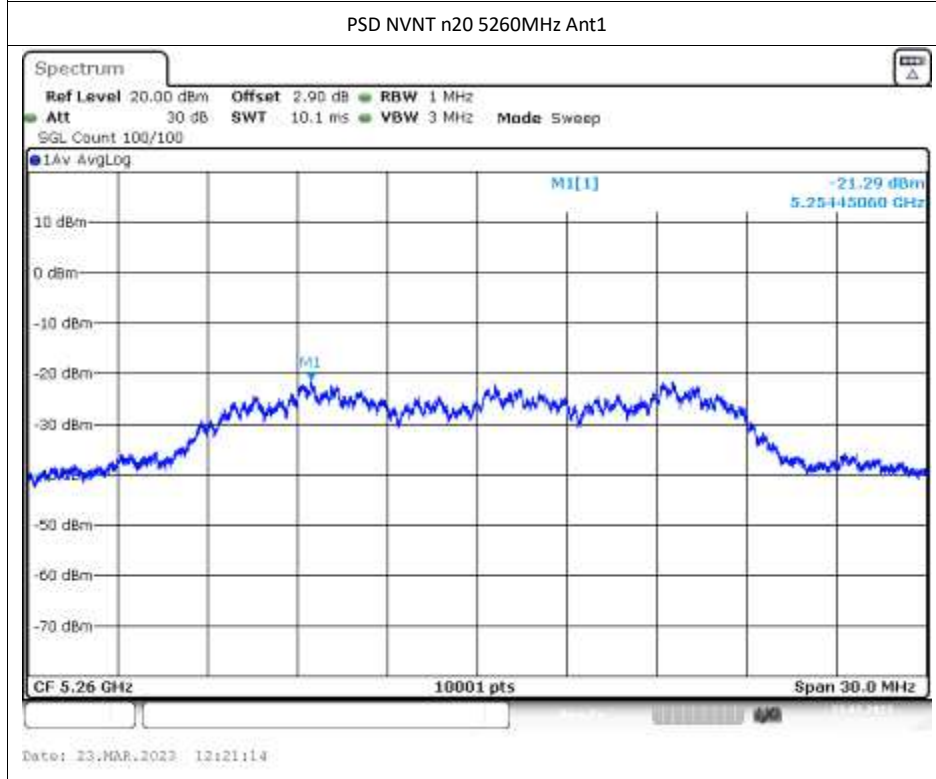


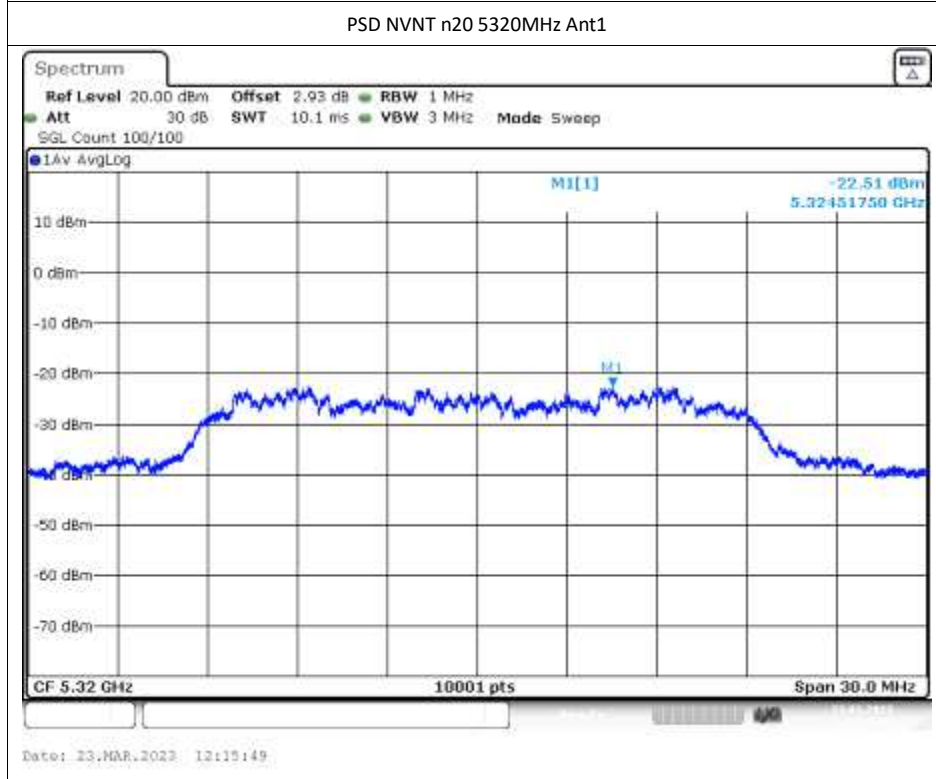
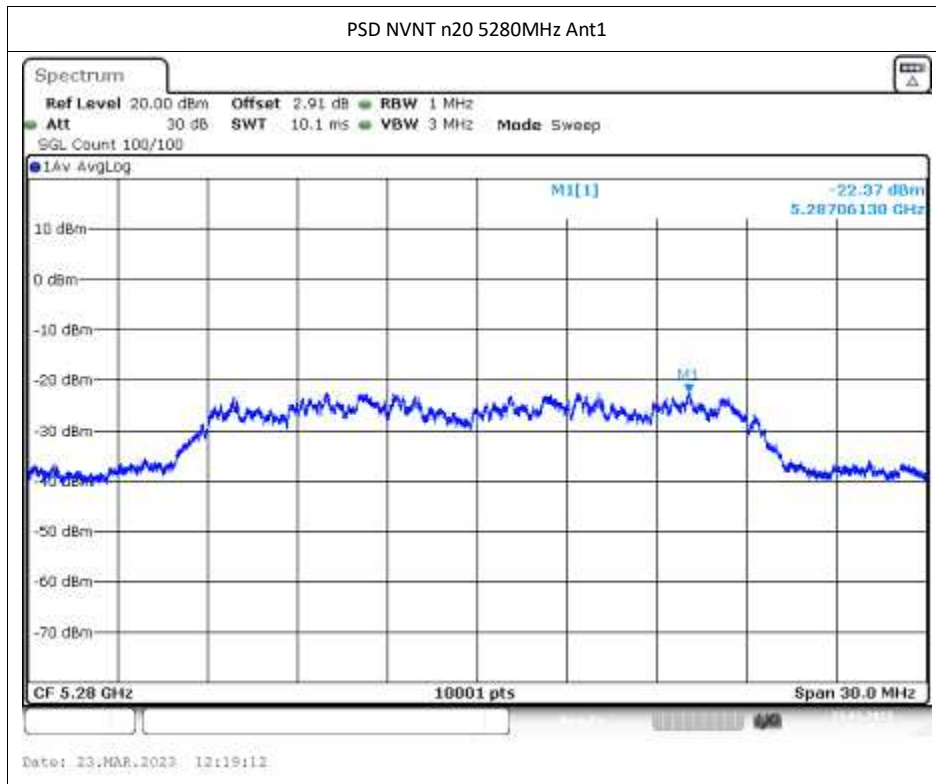


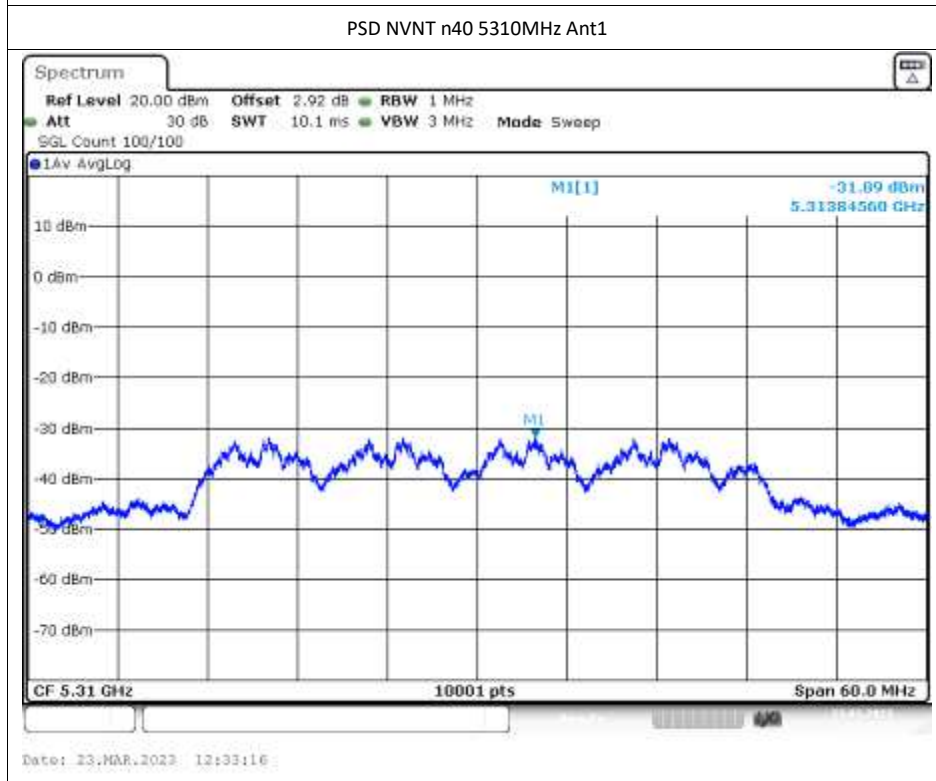
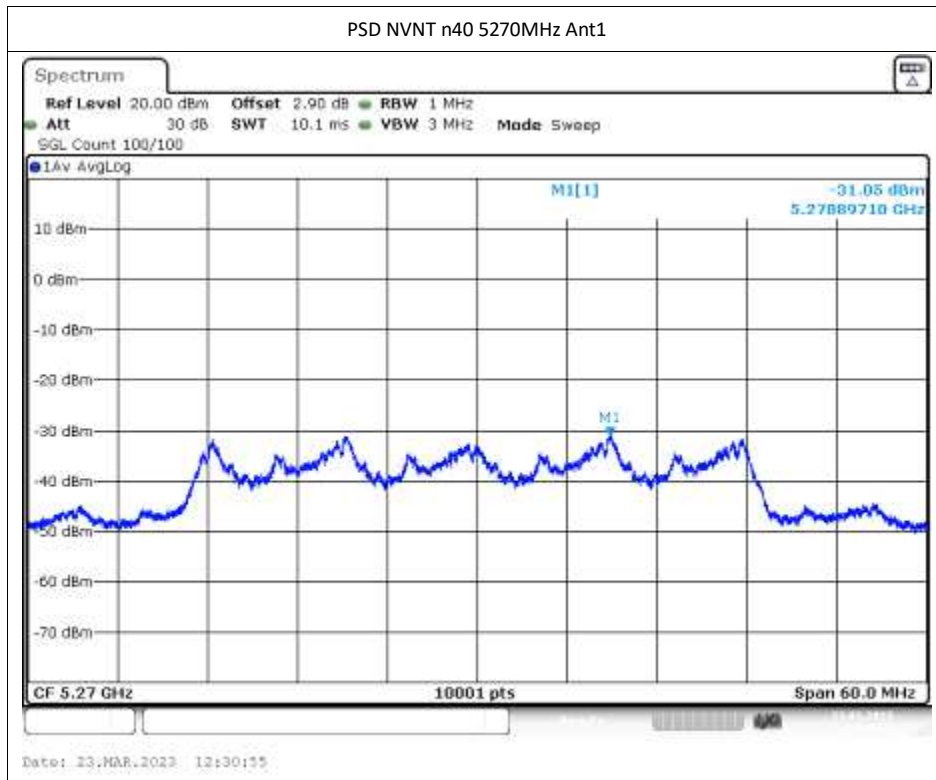
5G U-NII-2A:

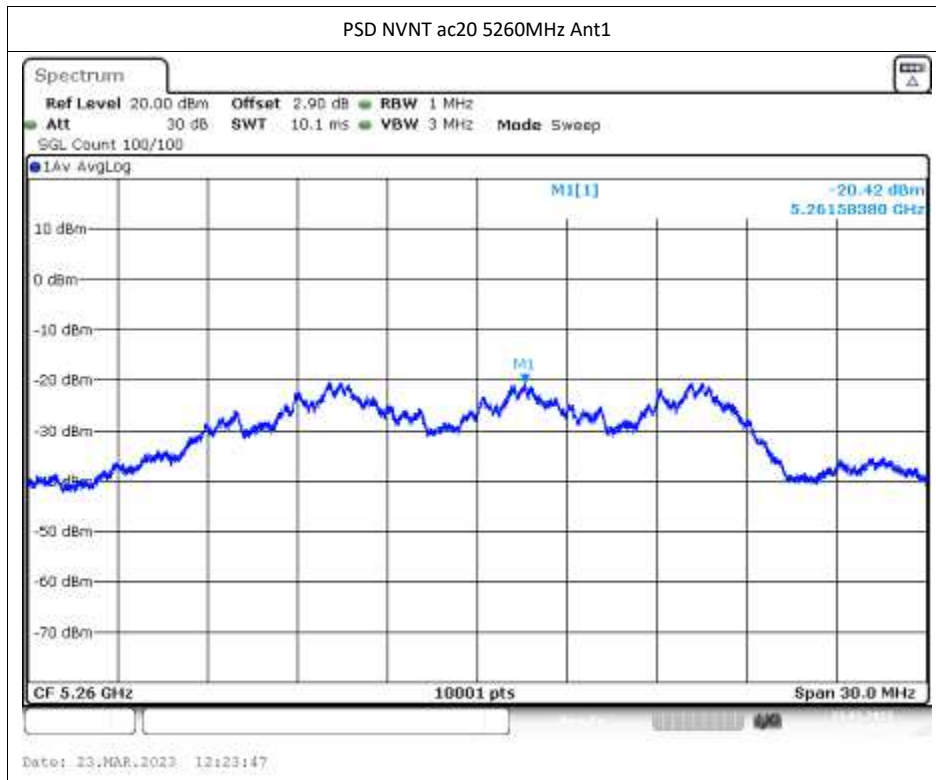
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-19.46	2.39	-17.07	11	Pass
NVNT	a	5280	Ant1	-17.13	2.4	-14.73	11	Pass
NVNT	a	5320	Ant1	-17.65	2.4	-15.25	11	Pass
NVNT	n20	5260	Ant1	-21.29	2.72	-18.57	11	Pass
NVNT	n20	5280	Ant1	-22.37	2.72	-19.65	11	Pass
NVNT	n20	5320	Ant1	-22.51	2.72	-19.79	11	Pass
NVNT	n40	5270	Ant1	-31.05	4.38	-26.67	11	Pass
NVNT	n40	5310	Ant1	-31.89	4.39	-27.5	11	Pass
NVNT	ac20	5260	Ant1	-20.42	2.72	-17.7	11	Pass
NVNT	ac20	5280	Ant1	-20.48	2.72	-17.76	11	Pass
NVNT	ac20	5320	Ant1	-21.42	2.71	-18.71	11	Pass
NVNT	ac40	5270	Ant1	-33.7	4.37	-29.33	11	Pass
NVNT	ac40	5310	Ant1	-33.08	4.37	-28.71	11	Pass
NVNT	ac80	5290	Ant1	-4.54	11.07	6.53	11	Pass

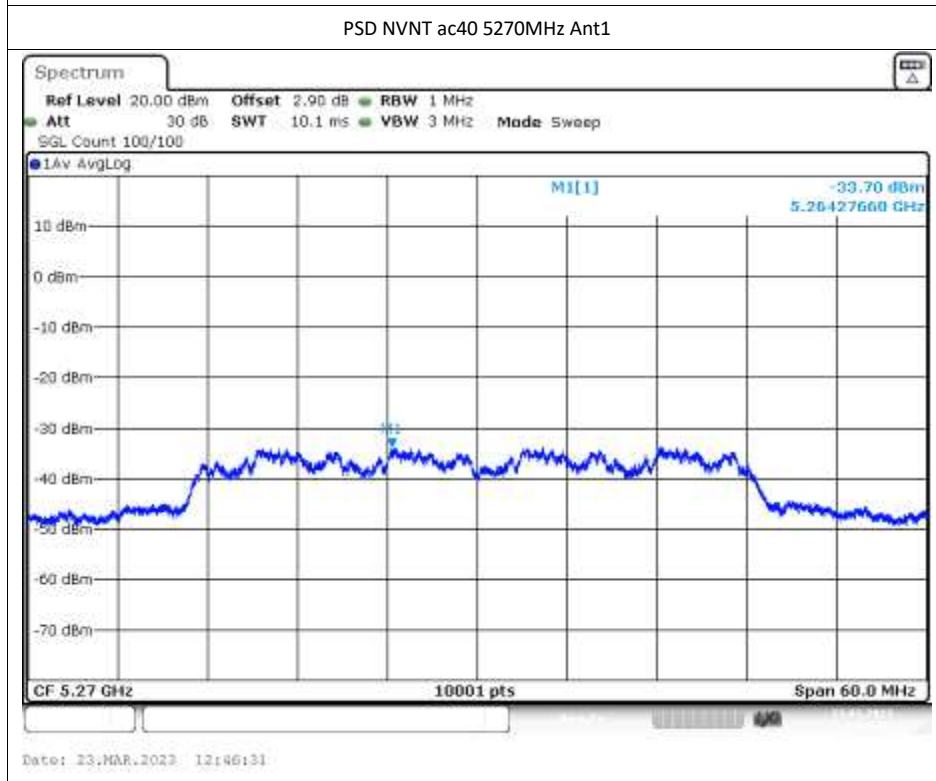
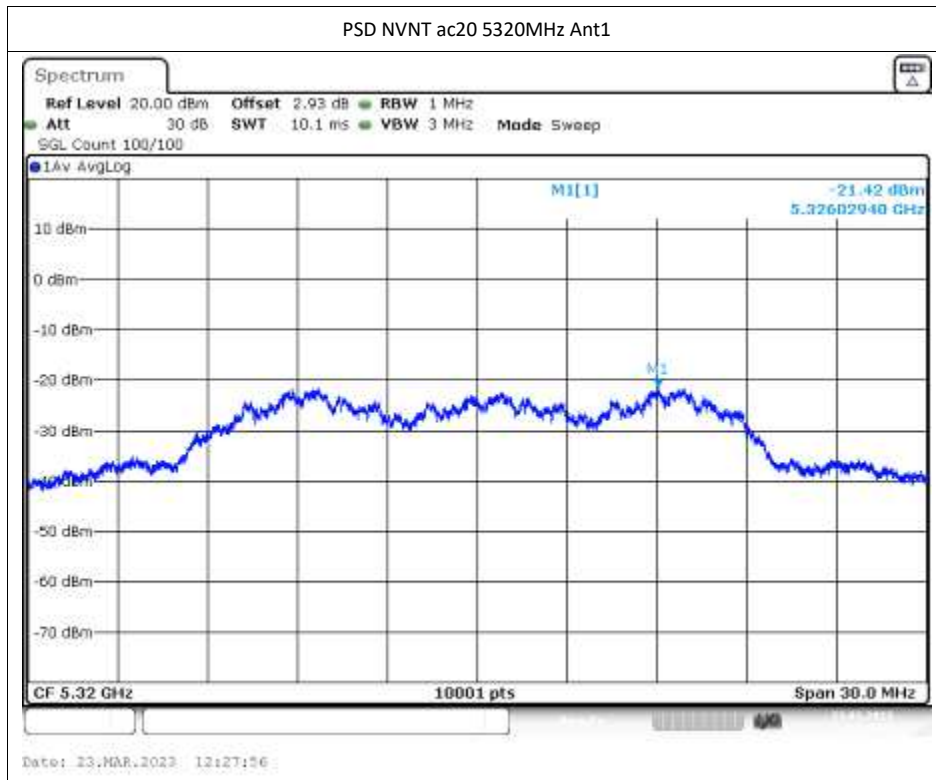


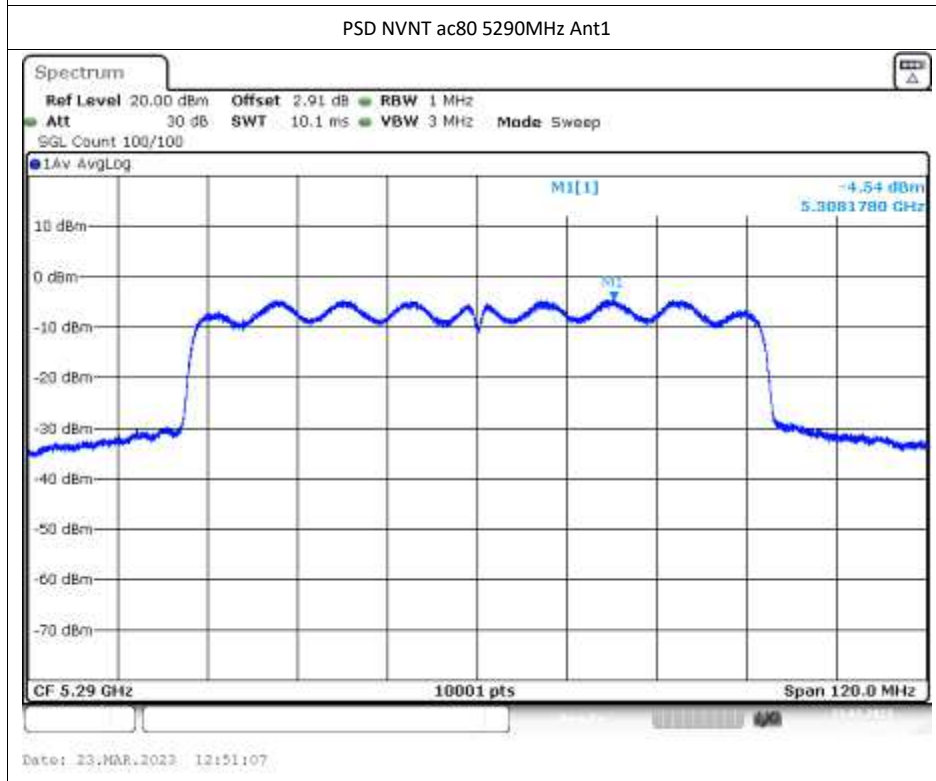
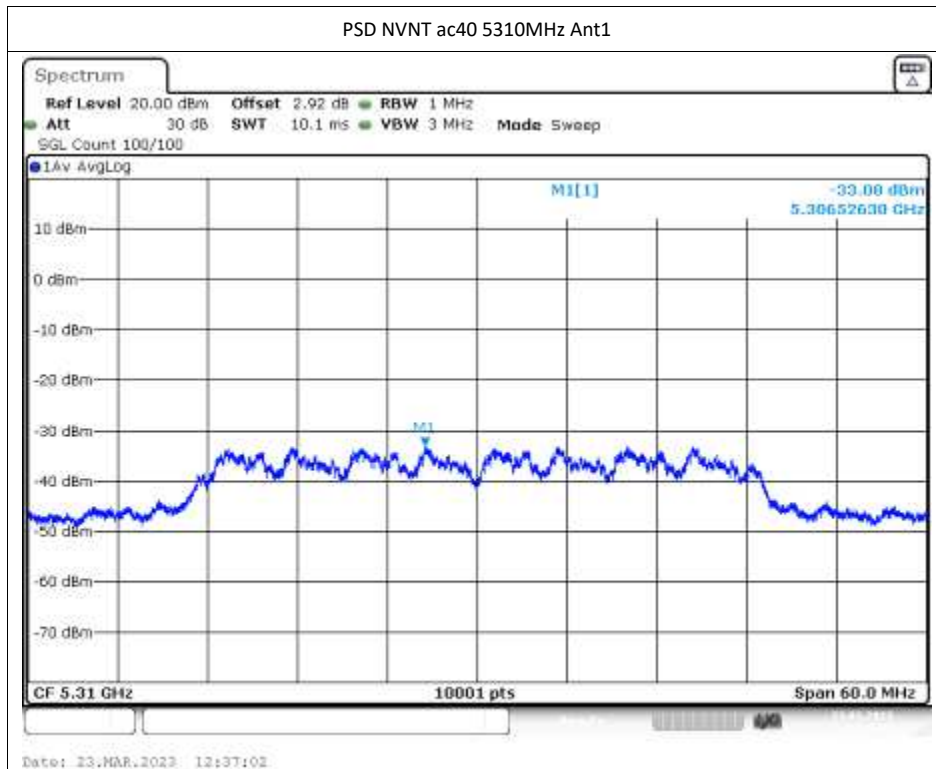










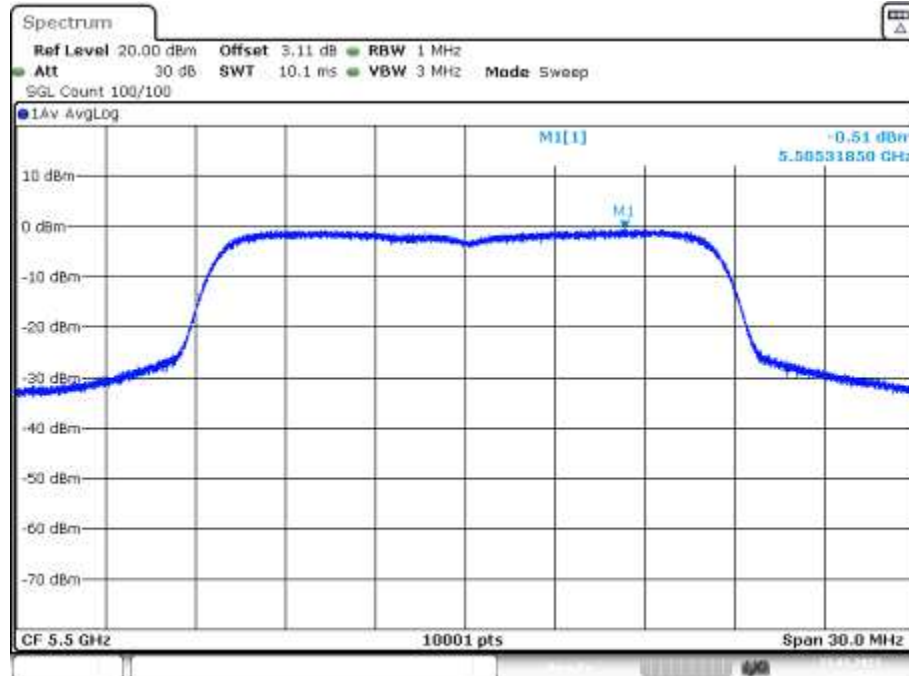


5G U-NII-2C:

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-0.51	0	-0.51	11	Pass
NVNT	a	5600	Ant1	-1.77	0	-1.77	11	Pass
NVNT	a	5700	Ant1	-1.72	0	-1.72	11	Pass
NVNT	n20	5500	Ant1	-2.4	0	-2.4	11	Pass
NVNT	n20	5600	Ant1	-2.61	0	-2.61	11	Pass
NVNT	n20	5700	Ant1	-1.85	0	-1.85	11	Pass
NVNT	n40	5510	Ant1	-5.45	0	-5.45	11	Pass
NVNT	n40	5590	Ant1	-5.33	0	-5.33	11	Pass
NVNT	n40	5670	Ant1	-5.21	0	-5.21	11	Pass
NVNT	ac20	5500	Ant1	-2.83	0	-2.83	11	Pass
NVNT	ac20	5600	Ant1	-2.21	0	-2.21	11	Pass
NVNT	ac20	5700	Ant1	-1.8	0	-1.8	11	Pass
NVNT	ac40	5510	Ant1	-4.97	0	-4.97	11	Pass
NVNT	ac40	5590	Ant1	-5.31	0	-5.31	11	Pass
NVNT	ac40	5670	Ant1	-5.4	0	-5.4	11	Pass
NVNT	ac80	5530	Ant1	-8.79	0	-8.79	11	Pass
NVNT	ac80	5610	Ant1	-7.72	0	-7.72	11	Pass

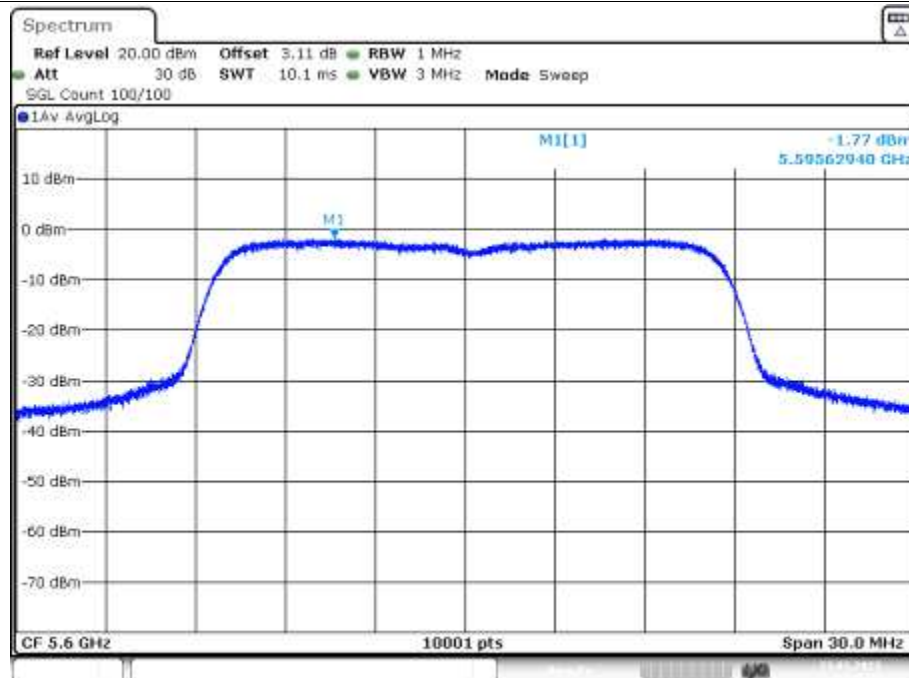
Test Graphs

PSD NVNT a 5500MHz Ant1

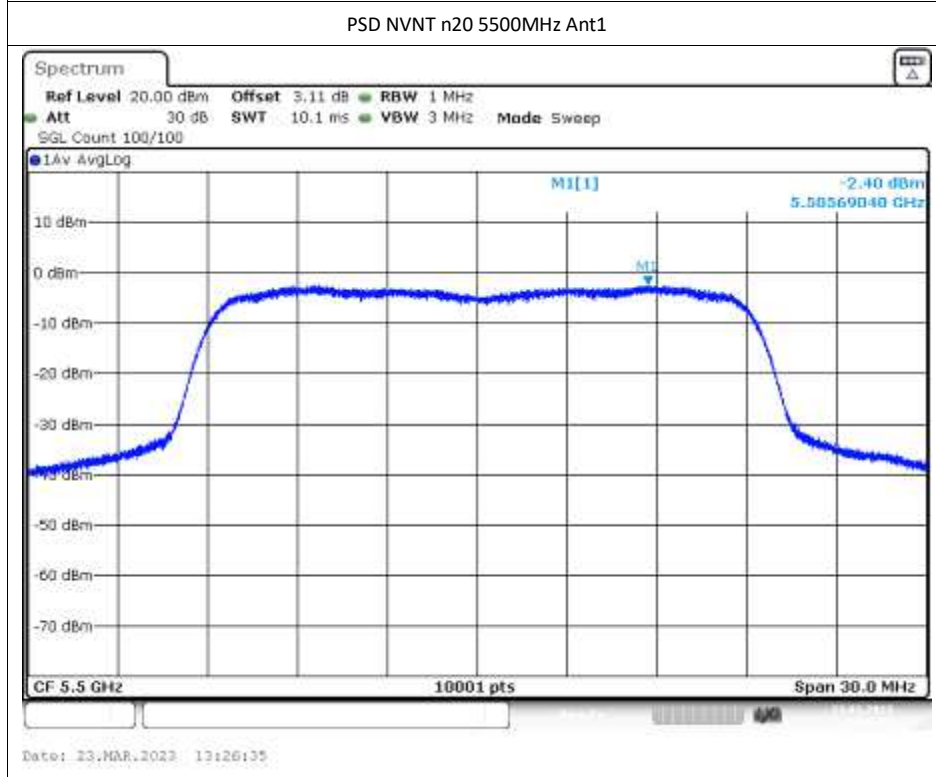
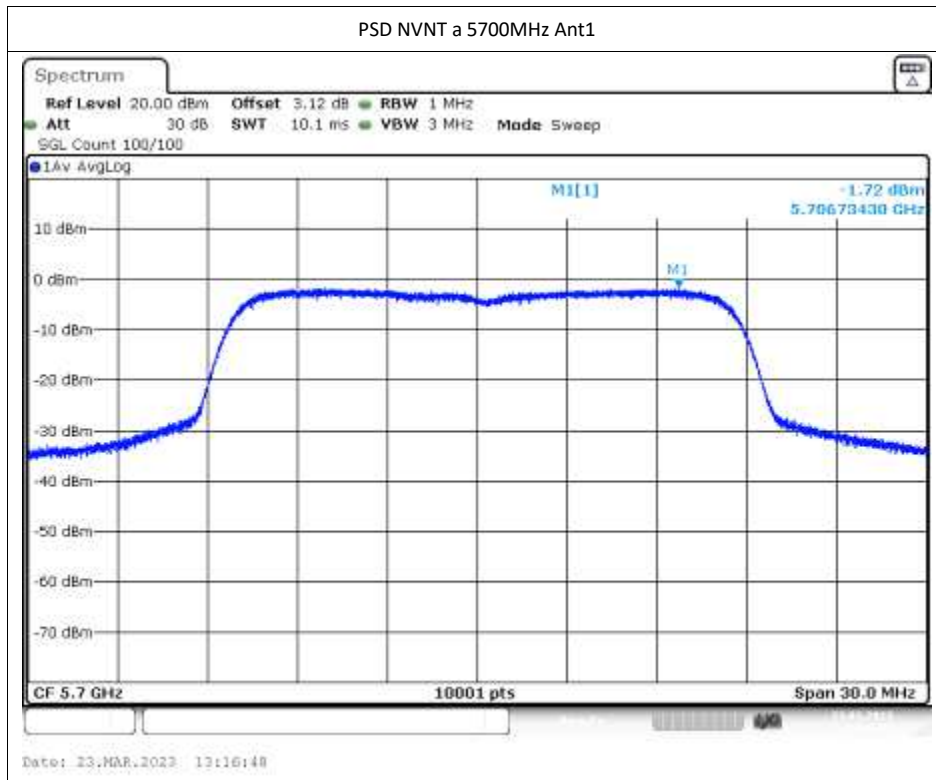


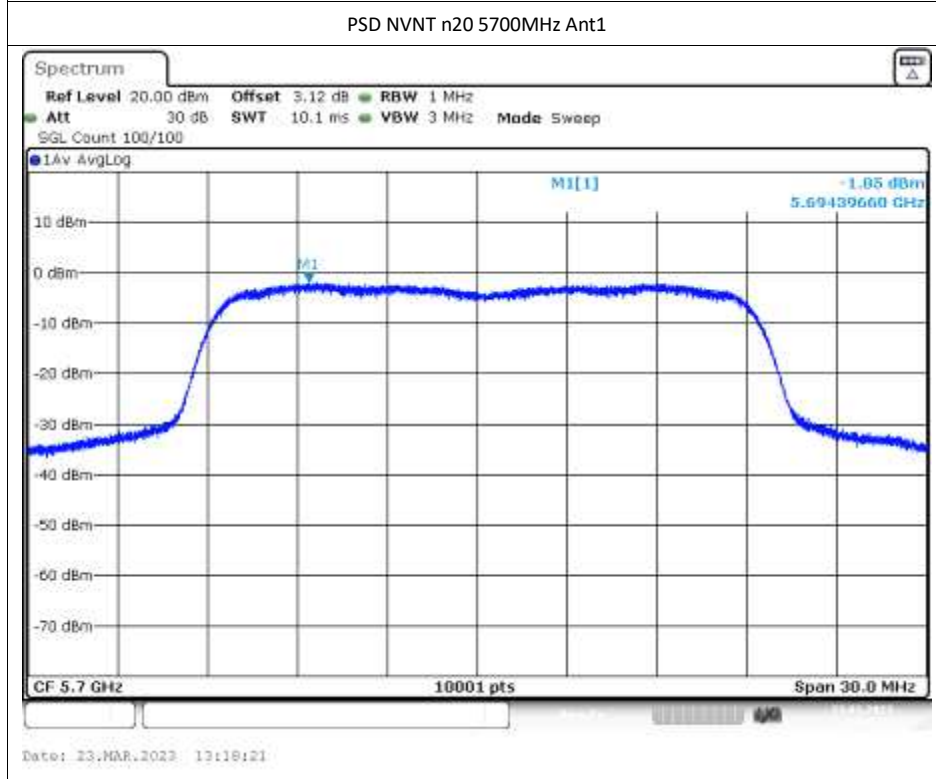
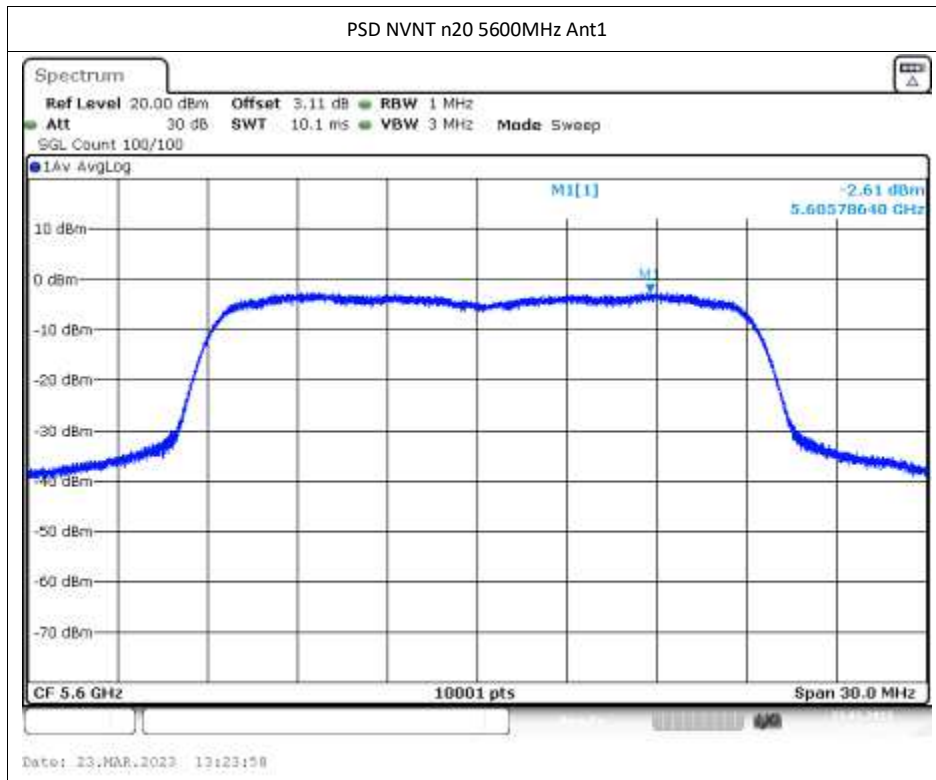
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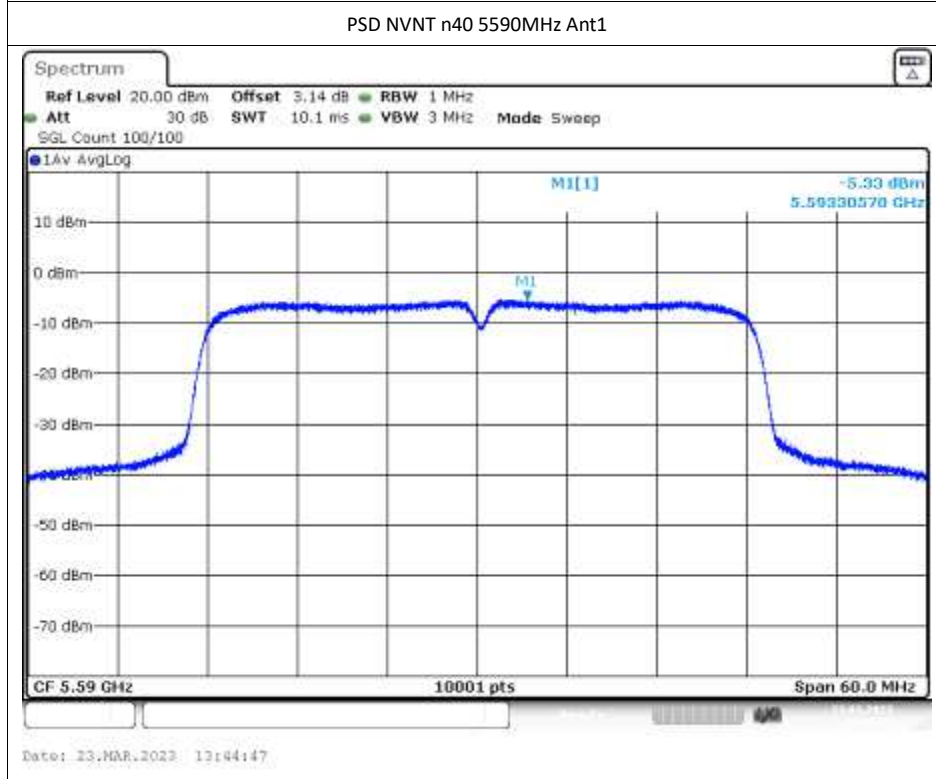
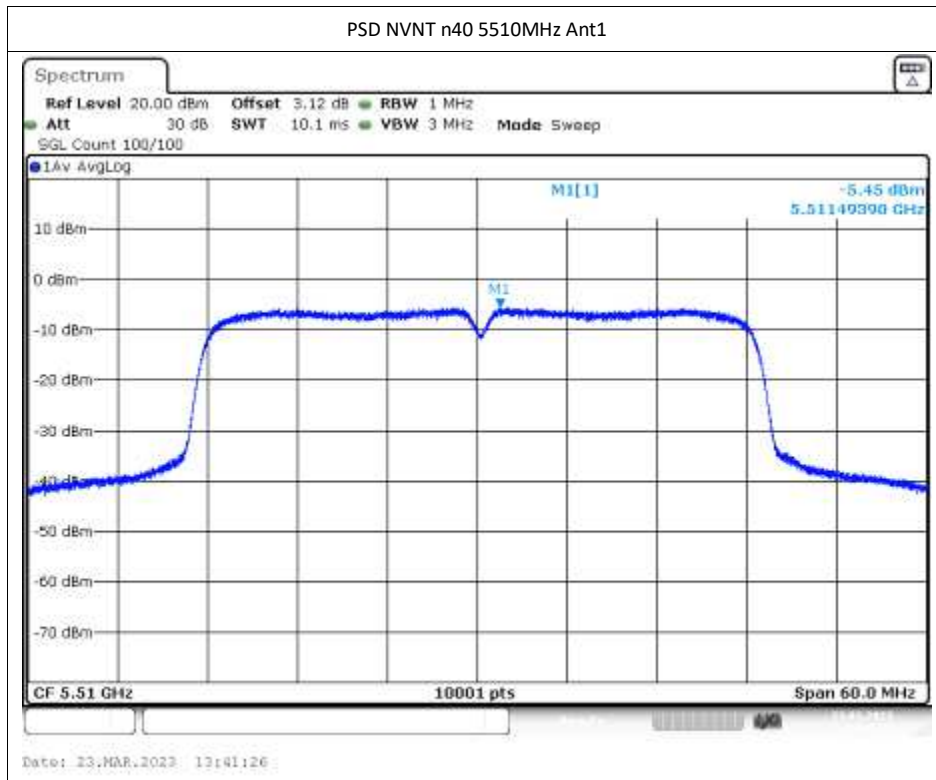
PSD NVNT a 5600MHz Ant1

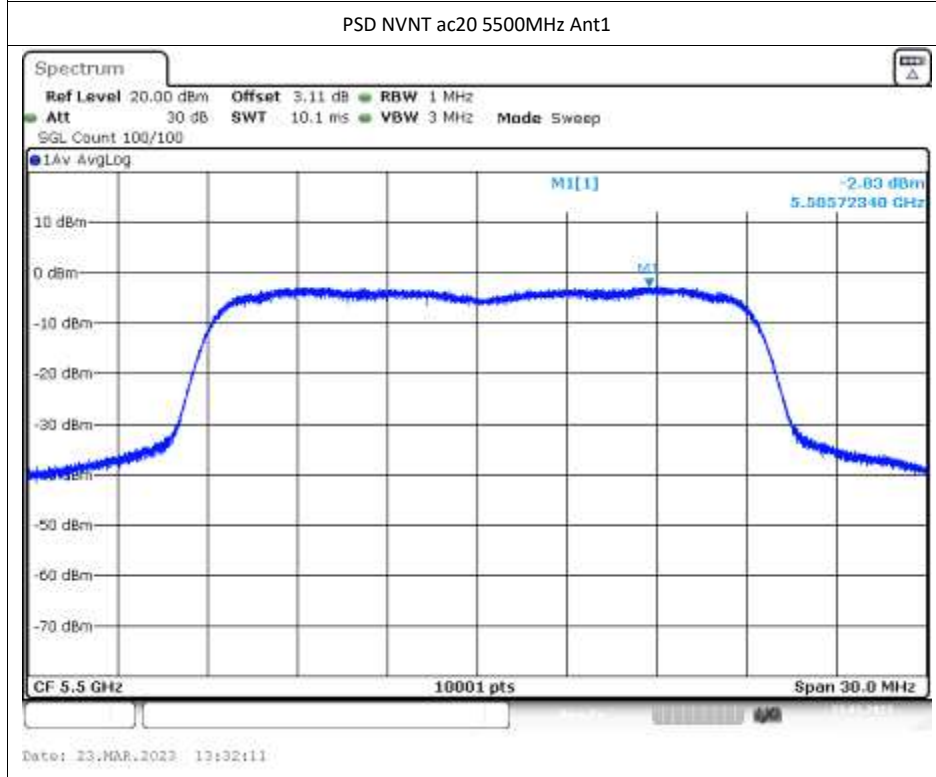
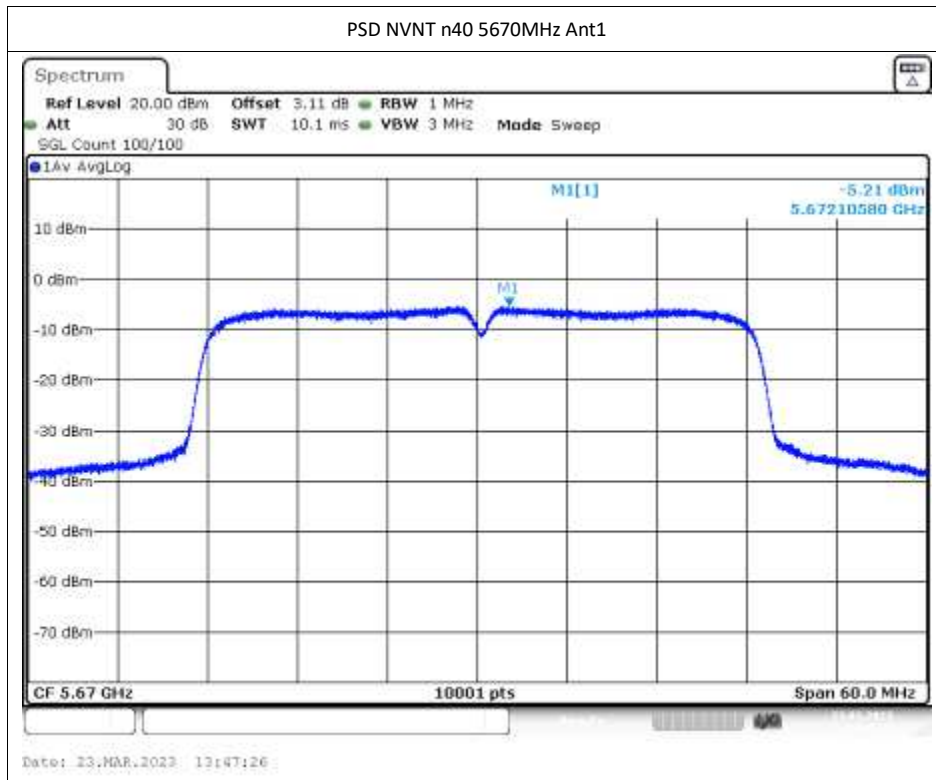


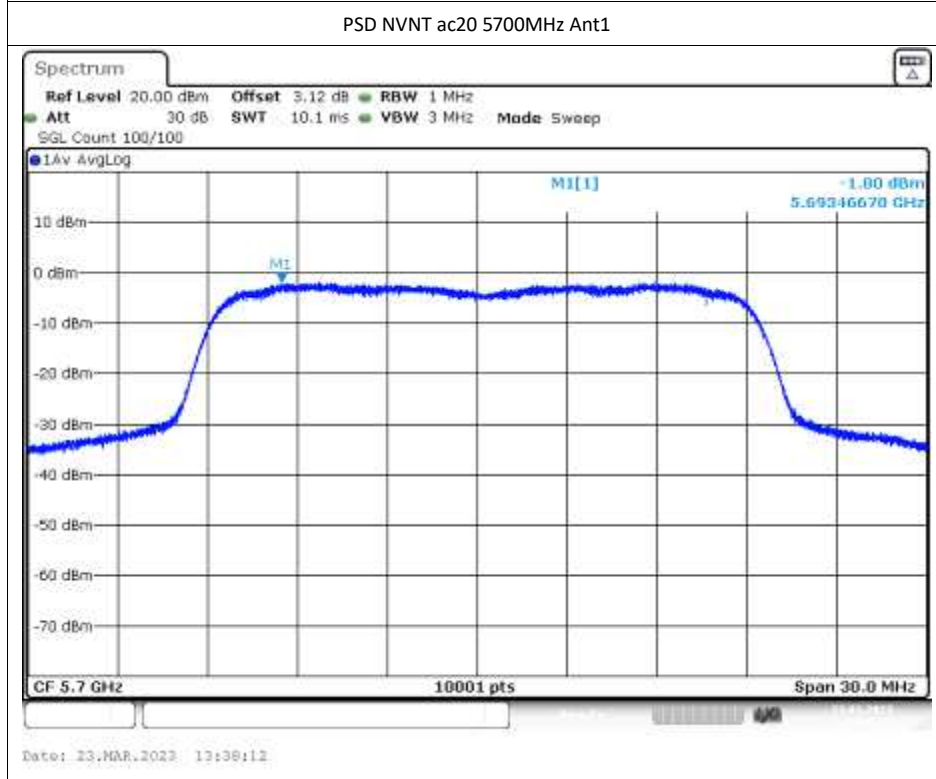
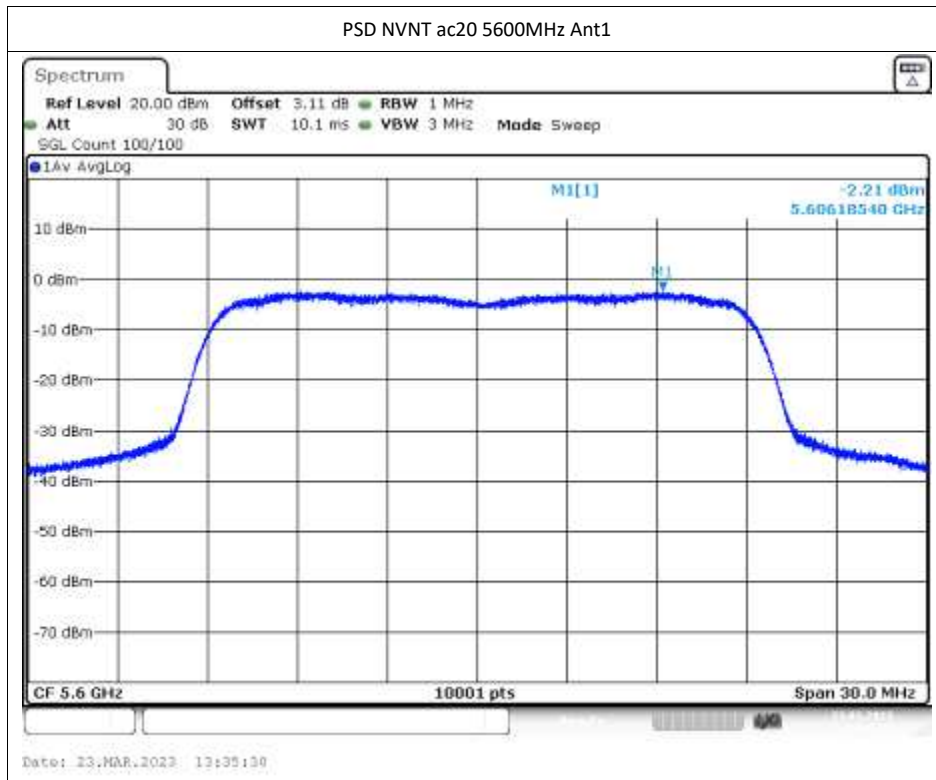
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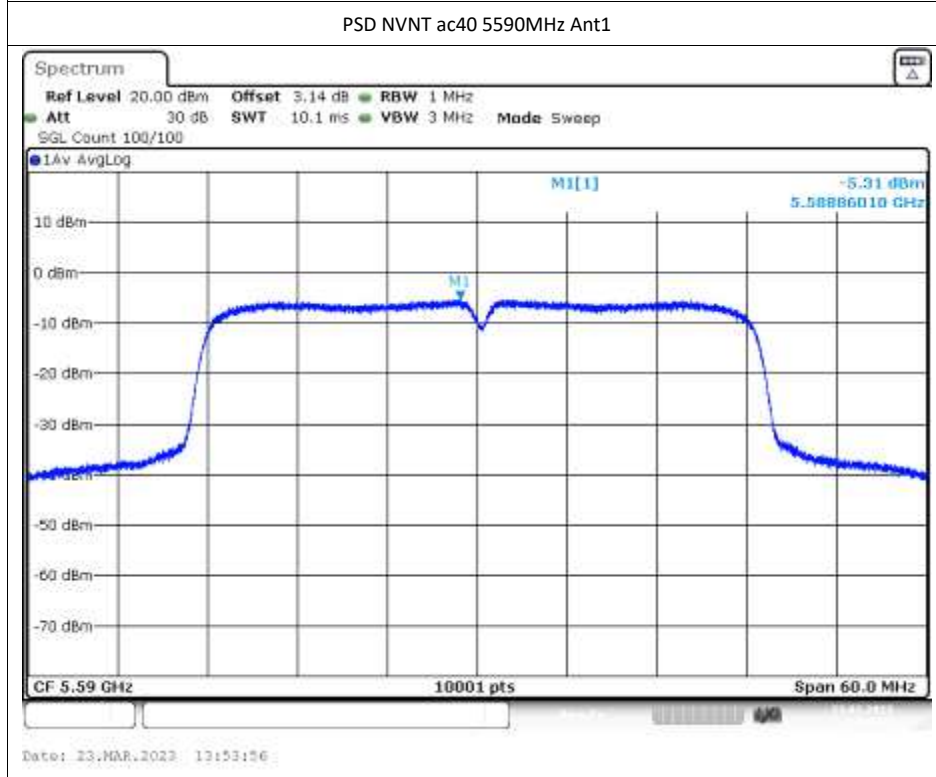
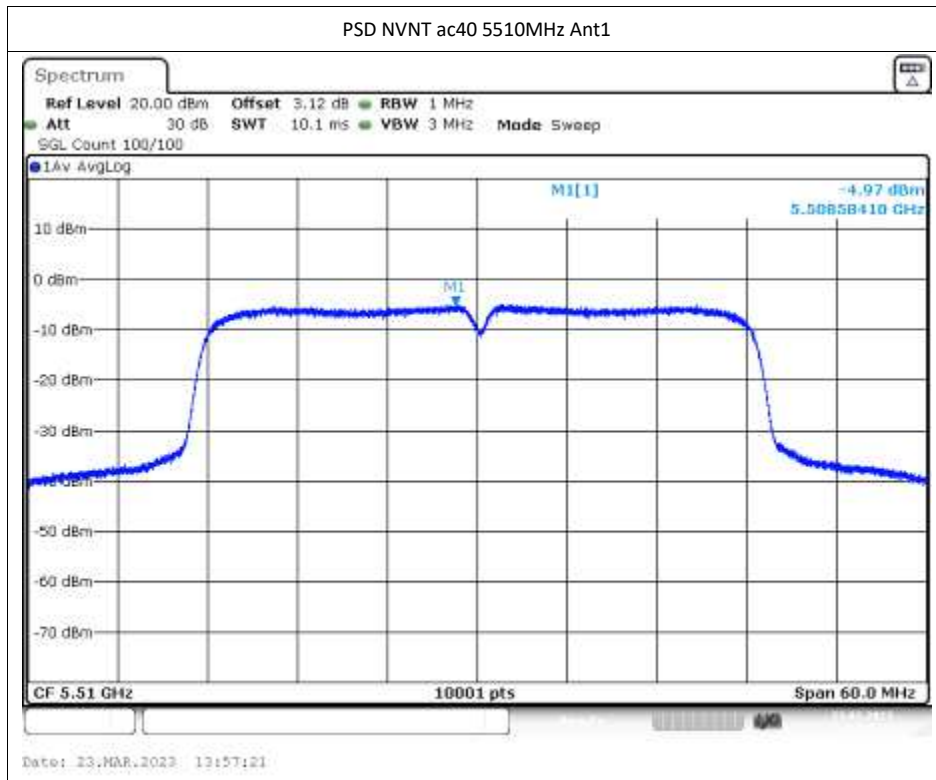


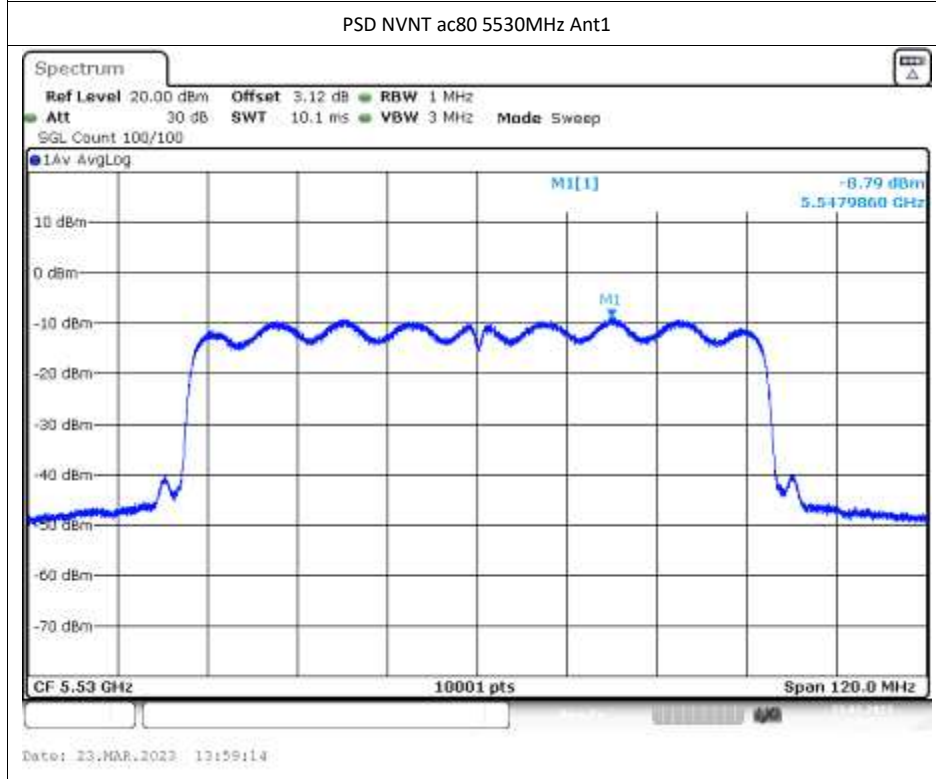
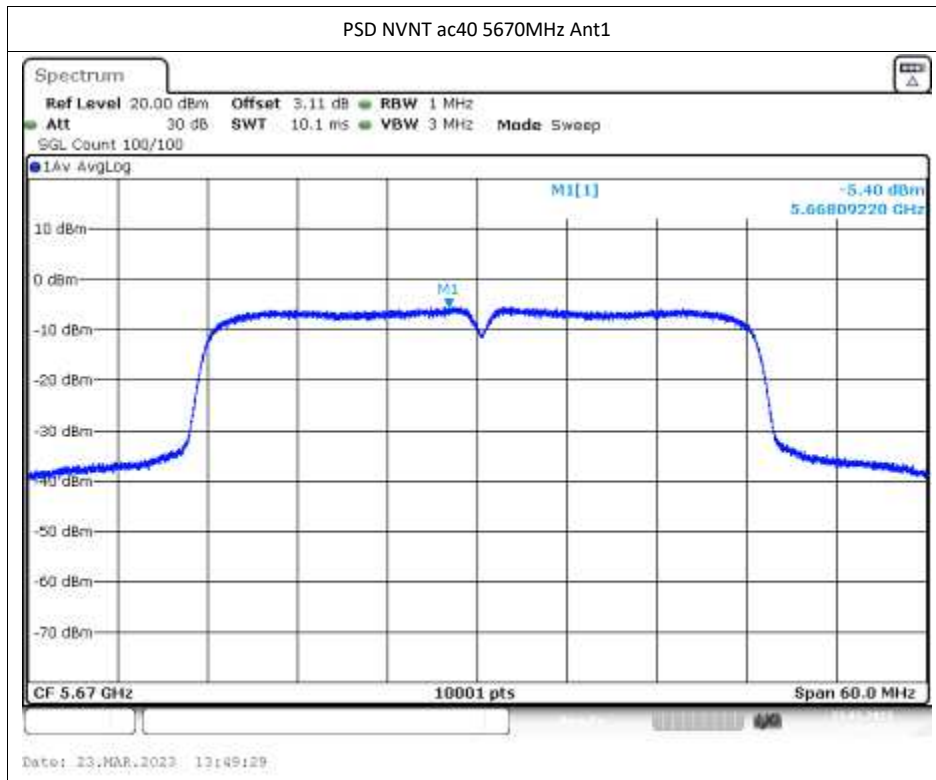


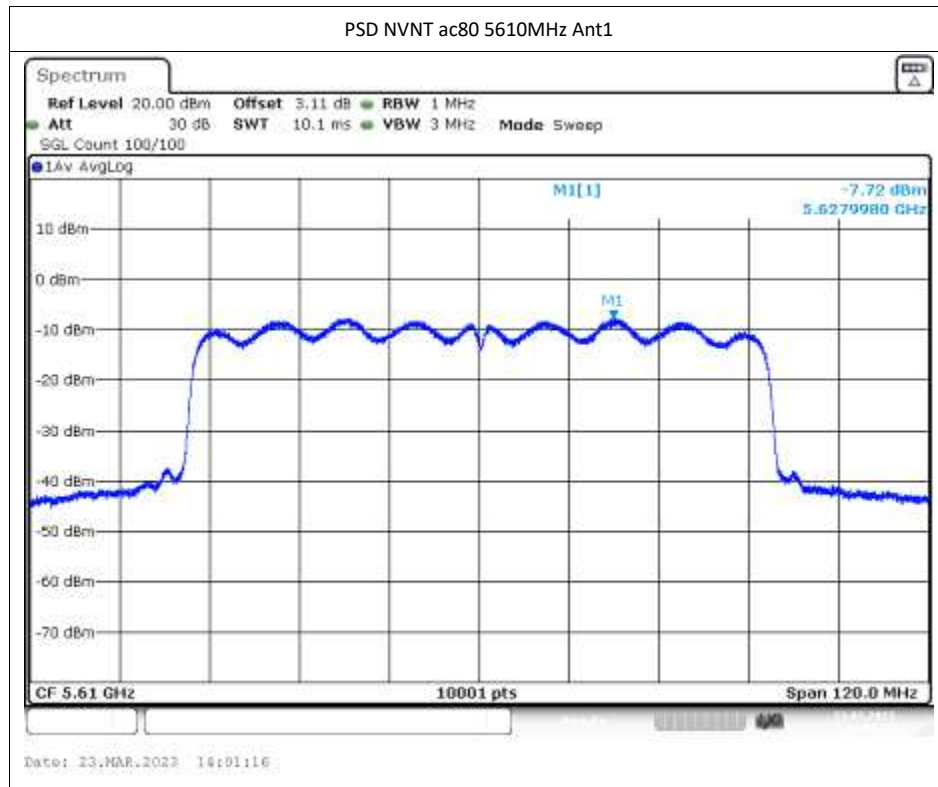












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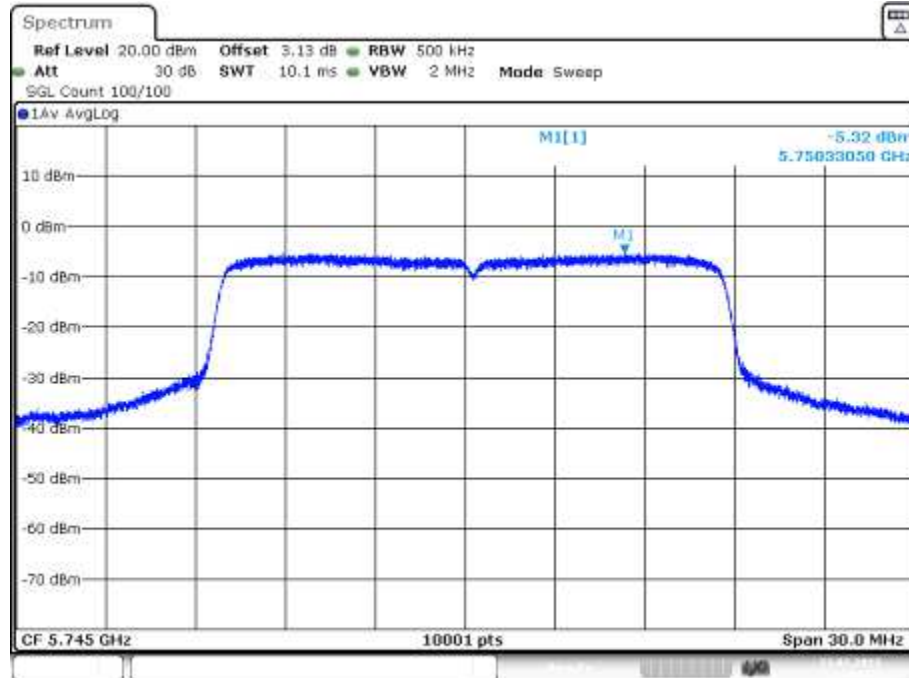
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5G U-NII-3:

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-5.32	0	-5.32	30	Pass
NVNT	a	5785	Ant1	-5.32	0	-5.32	30	Pass
NVNT	a	5825	Ant1	-5.47	0	-5.47	30	Pass
NVNT	n20	5745	Ant1	-4.61	0	-4.61	30	Pass
NVNT	n20	5785	Ant1	-5.55	0	-5.55	30	Pass
NVNT	n20	5825	Ant1	-5.87	0	-5.87	30	Pass
NVNT	n40	5755	Ant1	-10.6	0	-10.6	30	Pass
NVNT	n40	5795	Ant1	-11.07	0	-11.07	30	Pass
NVNT	ac20	5745	Ant1	-4.9	0	-4.9	30	Pass
NVNT	ac20	5785	Ant1	-5.67	0	-5.67	30	Pass
NVNT	ac20	5825	Ant1	-5.67	0	-5.67	30	Pass
NVNT	ac40	5755	Ant1	-10.94	0	-10.94	30	Pass
NVNT	ac40	5795	Ant1	-11.07	0	-11.07	30	Pass
NVNT	ac80	5775	Ant1	-13.09	0	-13.09	30	Pass

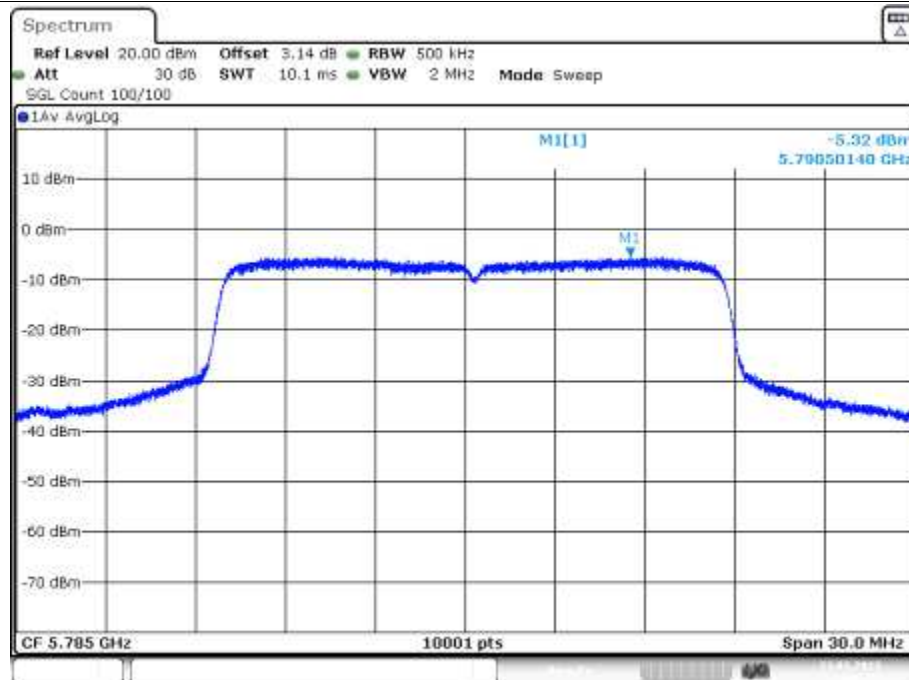
Test Graphs

PSD NVNT a 5745MHz Ant1

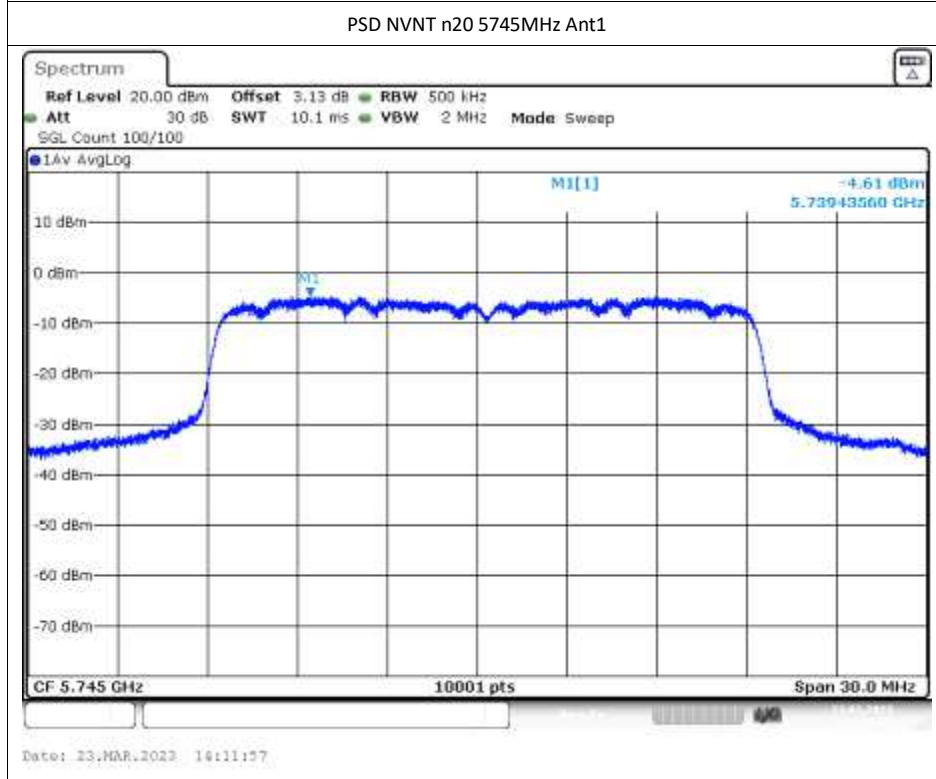
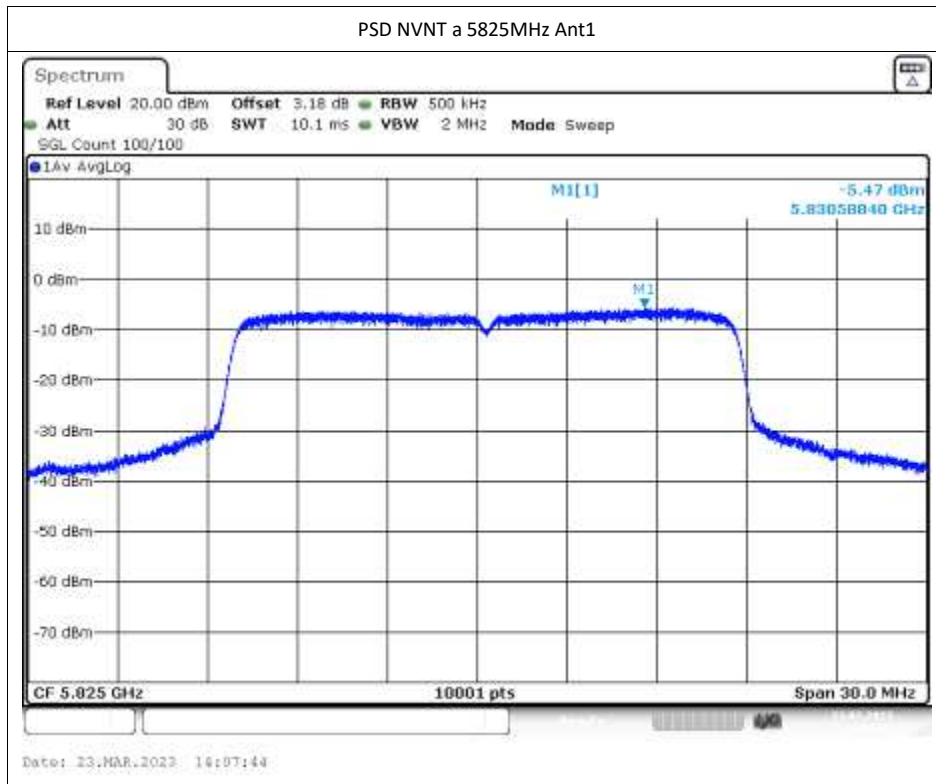


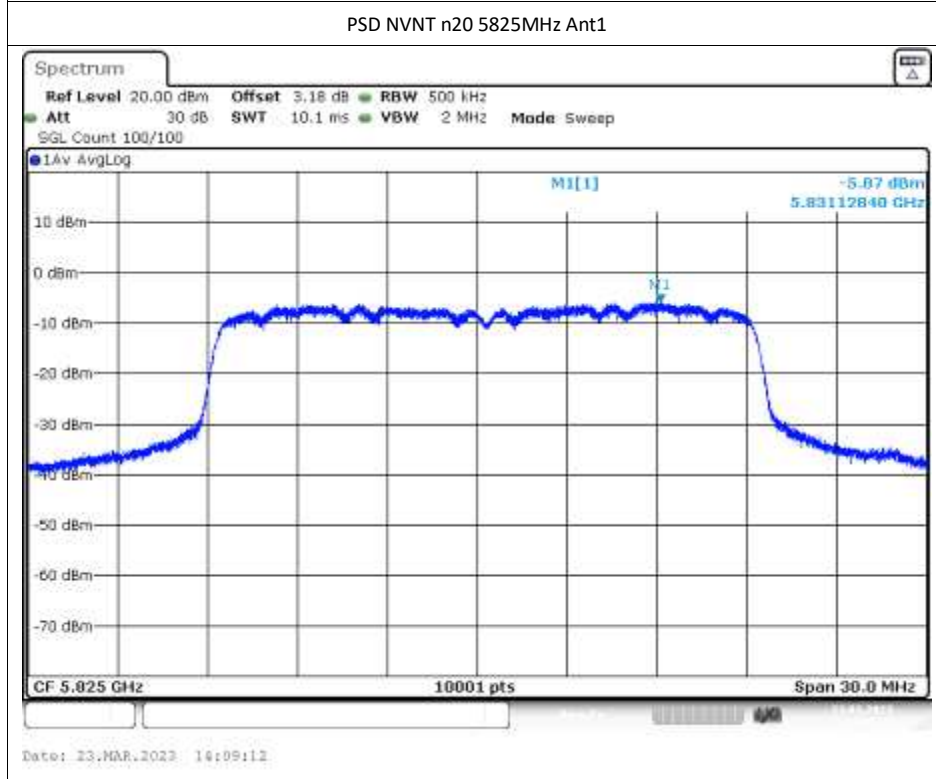
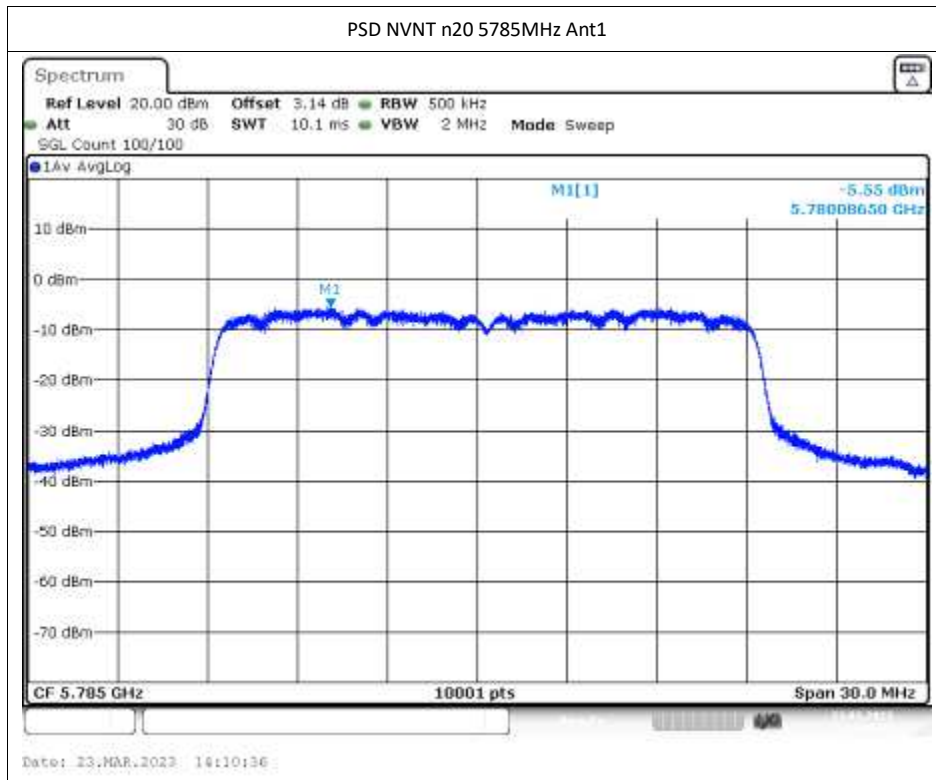
Date: 23.MAR.2023 16:04:31

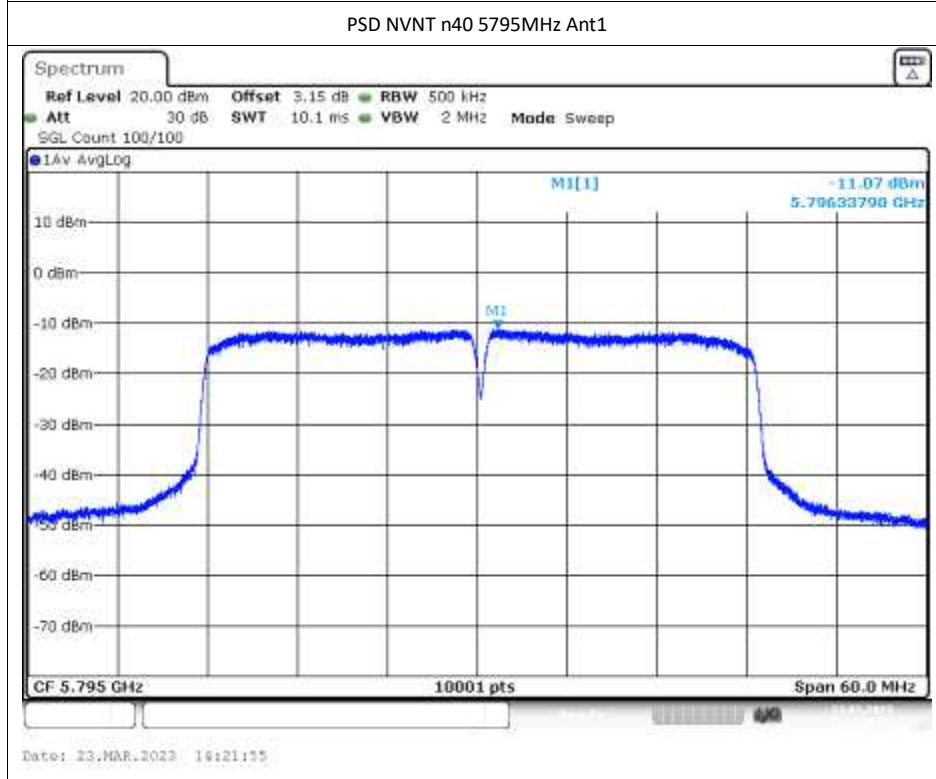
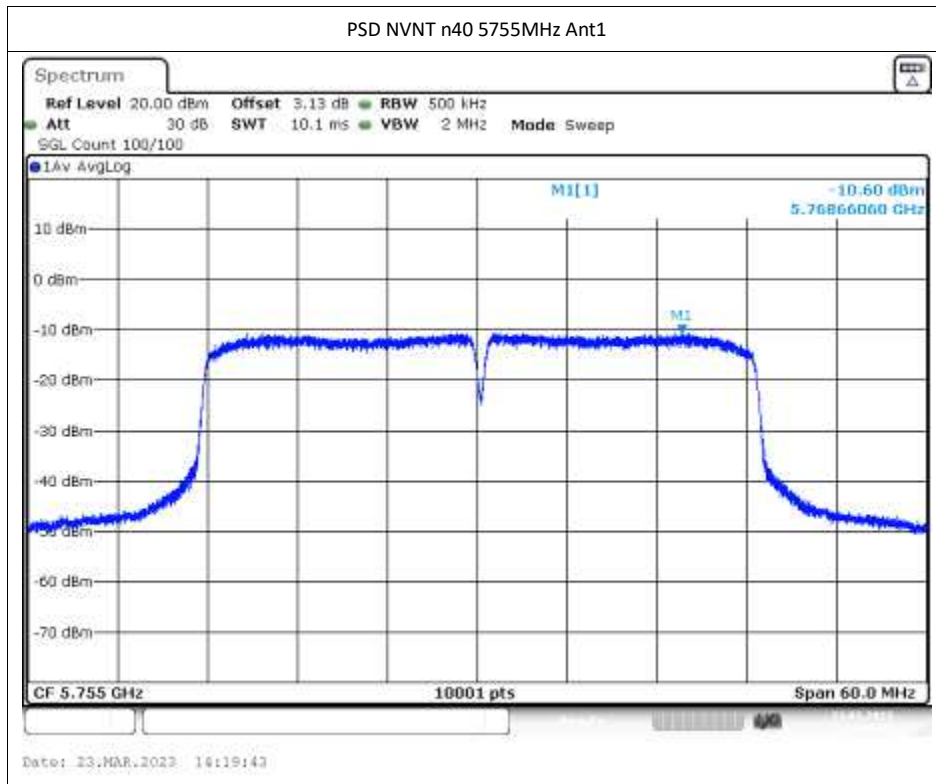
PSD NVNT a 5785MHz Ant1

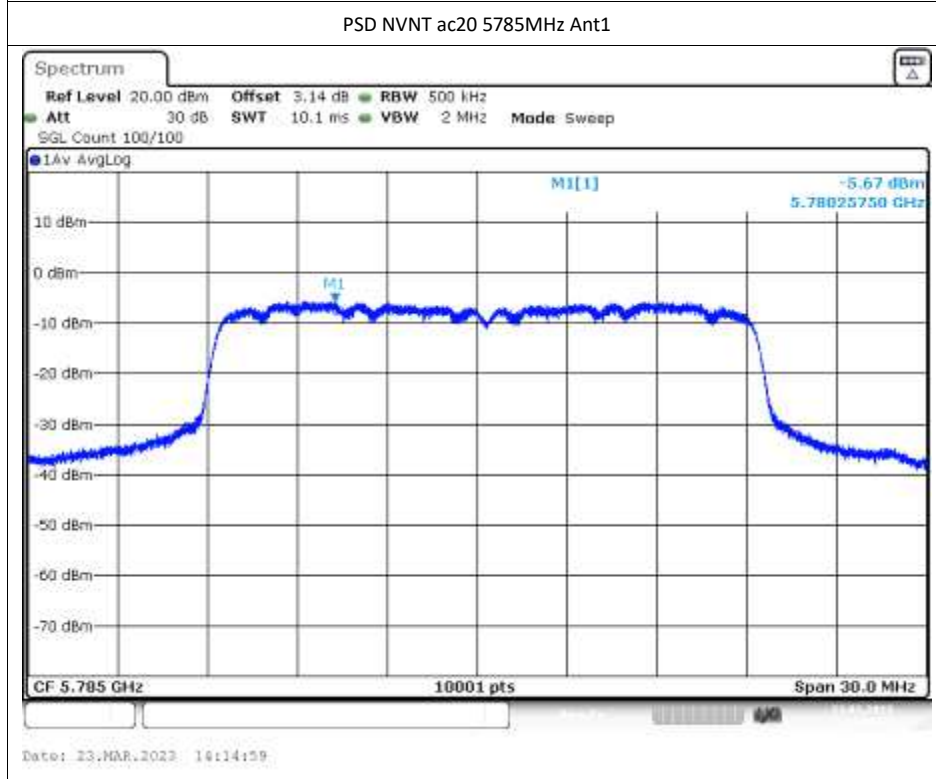
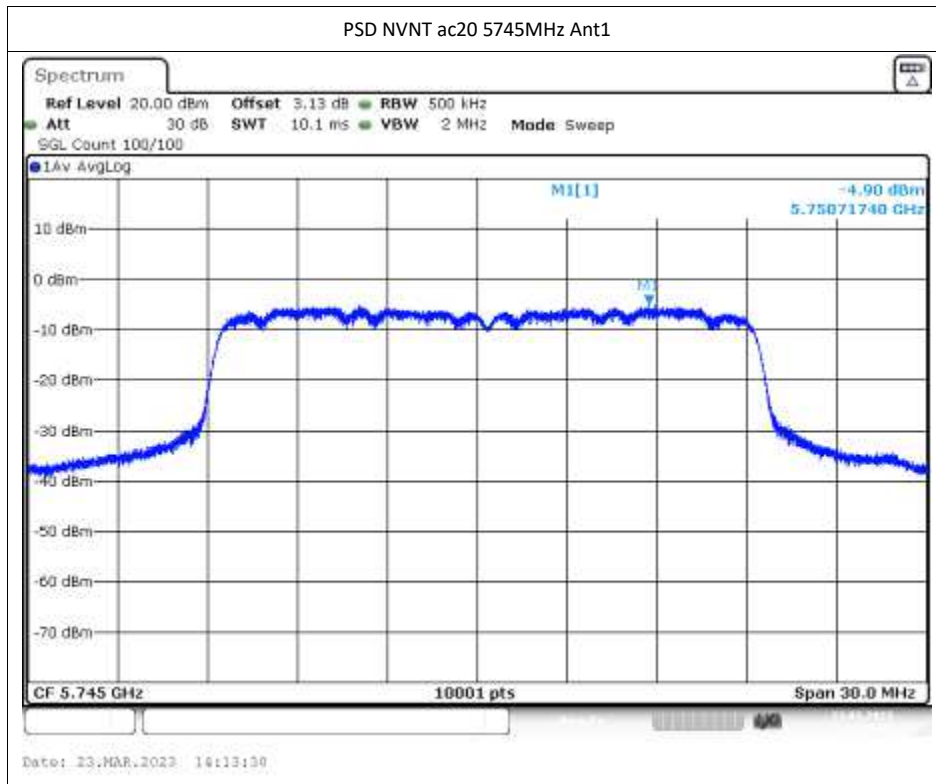


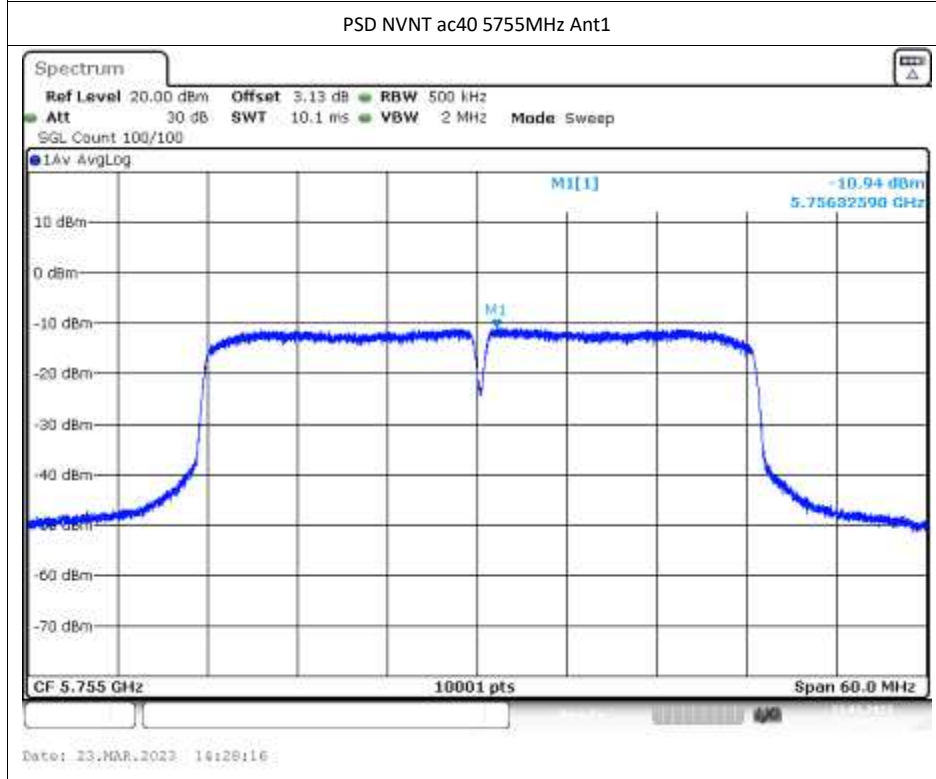
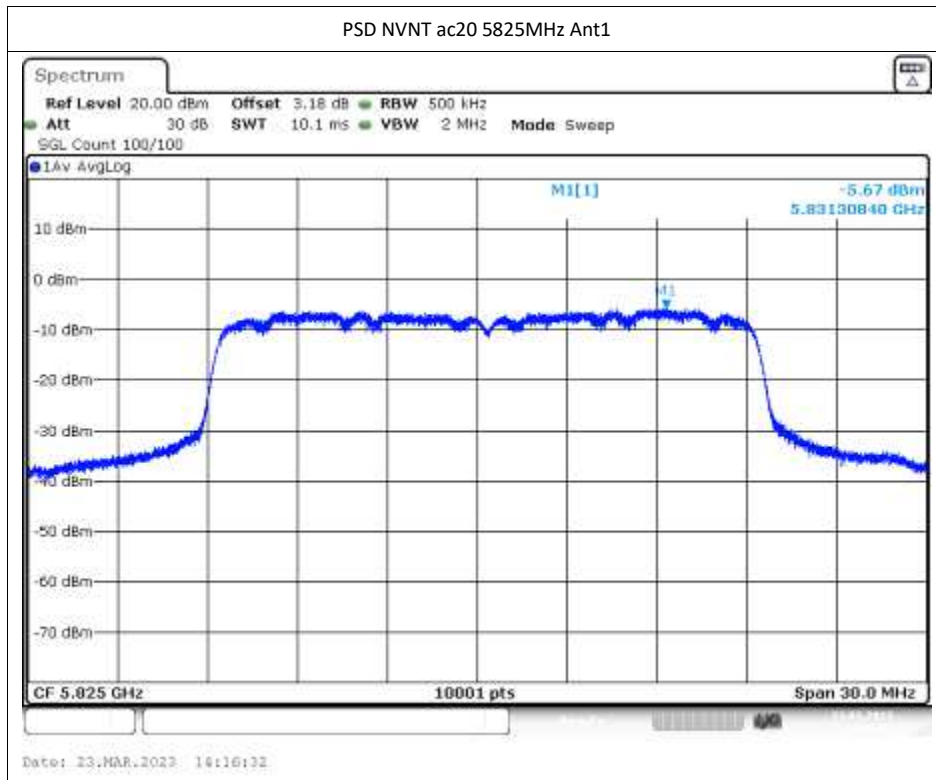
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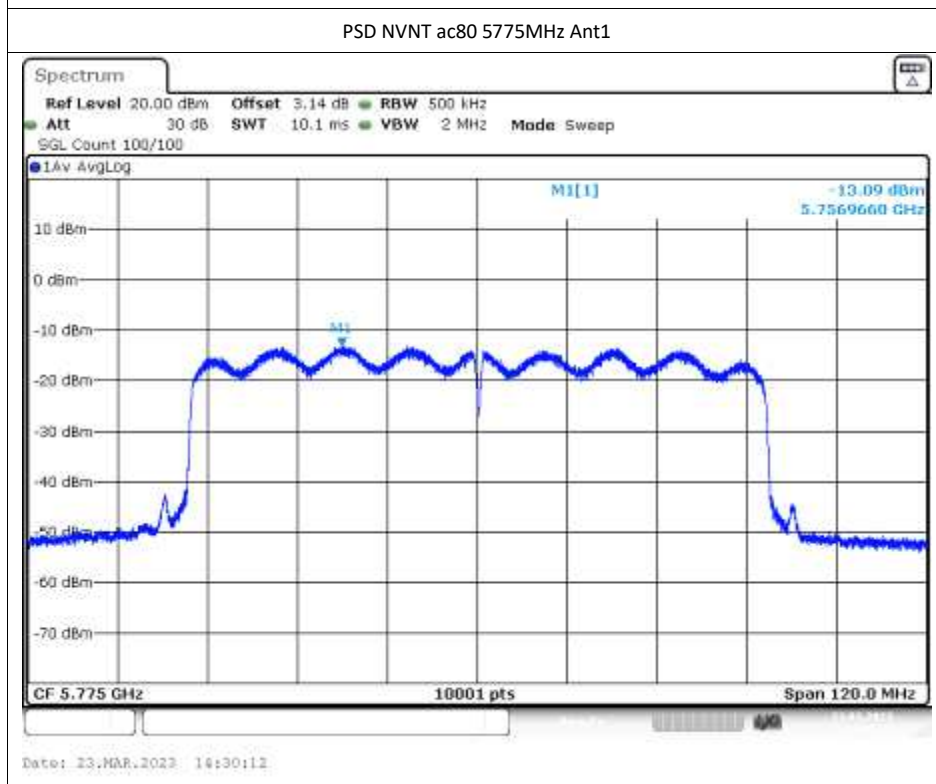
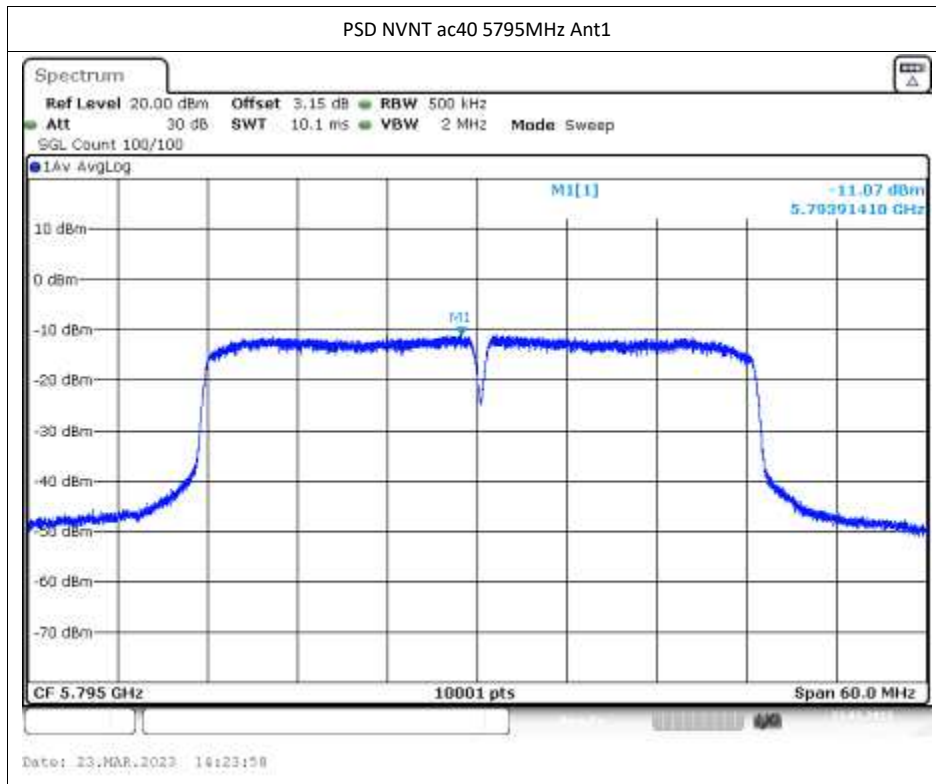












Frequency Stability

The Worst Test Mode 802.11a

5180MHz

Voltage(V)	Temp(°C)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5179.969748	-30.252	Pass
	-10	5179.969369	-30.631	Pass
	0	5179.969624	-30.376	Pass
	10	5179.969458	-30.542	Pass
	20	5179.969642	-30.358	Pass
	30	5179.969257	-30.743	Pass
	40	5179.970781	-29.219	Pass
	50	5179.969962	-30.038	Pass
85% Vnom	20	5179.969145	-30.855	Pass
115% Vnom	20	5179.969556	-30.444	Pass

5320MHz

Voltage(V)	Temp(°C)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5319.977784	-22.216	Pass
	-10	5319.977156	-22.844	Pass
	0	5319.977261	-22.739	Pass
	10	5319.977348	-22.652	Pass
	20	5319.977691	-22.309	Pass
	30	5319.977247	-22.753	Pass
	40	5319.977582	-22.418	Pass
	50	5319.978146	-21.854	Pass
85% Vnom	20	5319.977134	-22.866	Pass
115% Vnom	20	5319.977592	-22.408	Pass

5500MHz

Voltage(V)	Temp(°C)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5499.991774	-8.226	Pass
	-10	5499.991451	-8.549	Pass
	0	5499.991523	-8.477	Pass
	10	5499.991036	-8.964	Pass
	20	5499.991694	-8.306	Pass
	30	5499.991874	-8.126	Pass
	40	5499.991526	-8.474	Pass
	50	5499.991448	-8.552	Pass
85% Vnom	20	5499.991521	-8.479	Pass
115% Vnom	20	5499.991369	-8.631	Pass

5700MHz

Voltage(V)	Temp(°C)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5699.982756	-17.244	Pass
	-10	5699.982364	-17.636	Pass
	0	5699.982259	-17.741	Pass
	10	5699.982328	-17.672	Pass
	20	5699.982841	-17.159	Pass
	30	5699.982574	-17.426	Pass
	40	5699.982264	-17.736	Pass
	50	5699.982119	-17.881	Pass
85% Vnom	20	5699.983368	-16.632	Pass
115% Vnom	20	5699.983784	-16.216	Pass

5745MHz

Voltage(V)	Temp(°C)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5744.980485	-19.515	Pass
	-10	5744.980334	-19.666	Pass
	0	5744.980248	-19.752	Pass
	10	5744.980695	-19.305	Pass
	20	5744.980357	-19.643	Pass
	30	5744.980886	-19.114	Pass
	40	5744.980141	-19.859	Pass
	50	5744.980106	-19.894	Pass
85% Vnom	20	5744.980235	-19.765	Pass
115% Vnom	20	5744.983561	-16.439	Pass

5825MHz

Voltage(V)	Temp(°C)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5824.991694	-8.306	Pass
	-10	5824.991548	-8.452	Pass
	0	5824.991215	-8.785	Pass
	10	5824.991164	-8.836	Pass
	20	5824.991228	-8.772	Pass
	30	5824.991154	-8.846	Pass
	40	5824.991215	-8.785	Pass
	50	5824.991254	-8.746	Pass
85% Vnom	20	5824.991166	-8.834	Pass
115% Vnom	20	5824.991659	-8.341	Pass