

Appendix A4

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	100	0	0
NVNT	a	5745	Ant2	100	0	0
NVNT	a	5785	Ant1	100	0	0
NVNT	a	5785	Ant2	100	0	0
NVNT	a	5825	Ant1	100	0	0
NVNT	a	5825	Ant2	100	0	0
NVNT	n20	5745	Ant1	100	0	0
NVNT	n20	5745	Ant2	100	0	0
NVNT	n20	5785	Ant1	100	0	0
NVNT	n20	5785	Ant2	100	0	0
NVNT	n20	5825	Ant1	100	0	0
NVNT	n20	5825	Ant2	100	0	0
NVNT	n40	5755	Ant1	100	0	0
NVNT	n40	5755	Ant2	100	0	0
NVNT	n40	5795	Ant1	100	0	0
NVNT	n40	5795	Ant2	100	0	0
NVNT	ac20	5745	Ant1	100	0	0
NVNT	ac20	5745	Ant2	100	0	0
NVNT	ac20	5785	Ant1	100	0	0
NVNT	ac20	5785	Ant2	100	0	0
NVNT	ac20	5825	Ant1	100	0	0
NVNT	ac20	5825	Ant2	100	0	0
NVNT	ac40	5755	Ant1	100	0	0
NVNT	ac40	5755	Ant2	100	0	0
NVNT	ac40	5795	Ant1	100	0	0
NVNT	ac40	5795	Ant2	100	0	0
NVNT	ac80	5775	Ant1	100	0	0
NVNT	ac80	5775	Ant2	100	0	0

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.4	0	12.4	28.02	Pass
NVNT	a	5745	Ant2	11.11	0	11.11	28.02	Pass
NVNT	a	5785	Ant1	12.86	0	12.86	28.02	Pass
NVNT	a	5785	Ant2	11.6	0	11.6	28.02	Pass
NVNT	a	5825	Ant1	10.27	0	10.27	28.02	Pass
NVNT	a	5825	Ant2	11.97	0	11.97	28.02	Pass
NVNT	n20	5745	Ant1	11.02	0	11.02	28.02	Pass
NVNT	n20	5745	Ant2	11.34	0	11.34	28.02	Pass
NVNT	n20	5745	Sum	14.19	-	14.19	28.02	Pass
NVNT	n20	5785	Ant1	11.28	0	11.28	28.02	Pass
NVNT	n20	5785	Ant2	11.74	0	11.74	28.02	Pass
NVNT	n20	5785	Sum	14.53	-	14.53	28.02	Pass
NVNT	n20	5825	Ant1	10.42	0	10.42	28.02	Pass
NVNT	n20	5825	Ant2	12.14	0	12.14	28.02	Pass
NVNT	n20	5825	Sum	14.37	-	14.37	28.02	Pass
NVNT	n40	5755	Ant1	11	0	11	28.02	Pass
NVNT	n40	5755	Ant2	11.29	0	11.29	28.02	Pass
NVNT	n40	5755	Sum	14.16	-	14.16	28.02	Pass
NVNT	n40	5795	Ant1	10.77	0	10.77	28.02	Pass
NVNT	n40	5795	Ant2	11.7	0	11.7	28.02	Pass
NVNT	n40	5795	Sum	14.27	-	14.27	28.02	Pass
NVNT	ac20	5745	Ant1	11	0	11	28.02	Pass
NVNT	ac20	5745	Ant2	11.24	0	11.24	28.02	Pass
NVNT	ac20	5745	Sum	14.13	-	14.13	28.02	Pass
NVNT	ac20	5785	Ant1	11.12	0	11.12	28.02	Pass
NVNT	ac20	5785	Ant2	11.72	0	11.72	28.02	Pass
NVNT	ac20	5785	Sum	14.44	-	14.44	28.02	Pass
NVNT	ac20	5825	Ant1	10.69	0	10.69	28.02	Pass
NVNT	ac20	5825	Ant2	12.09	0	12.09	28.02	Pass
NVNT	ac20	5825	Sum	14.46	-	14.46	28.02	Pass
NVNT	ac40	5755	Ant1	10.7	0	10.7	28.02	Pass
NVNT	ac40	5755	Ant2	11.24	0	11.24	28.02	Pass
NVNT	ac40	5755	Sum	13.99	-	13.99	28.02	Pass
NVNT	ac40	5795	Ant1	10.67	0	10.67	28.02	Pass
NVNT	ac40	5795	Ant2	11.61	0	11.61	28.02	Pass
NVNT	ac40	5795	Sum	14.18	-	14.18	28.02	Pass
NVNT	ac80	5775	Ant1	11.34	0	11.34	28.02	Pass
NVNT	ac80	5775	Ant2	11.89	0	11.89	28.02	Pass

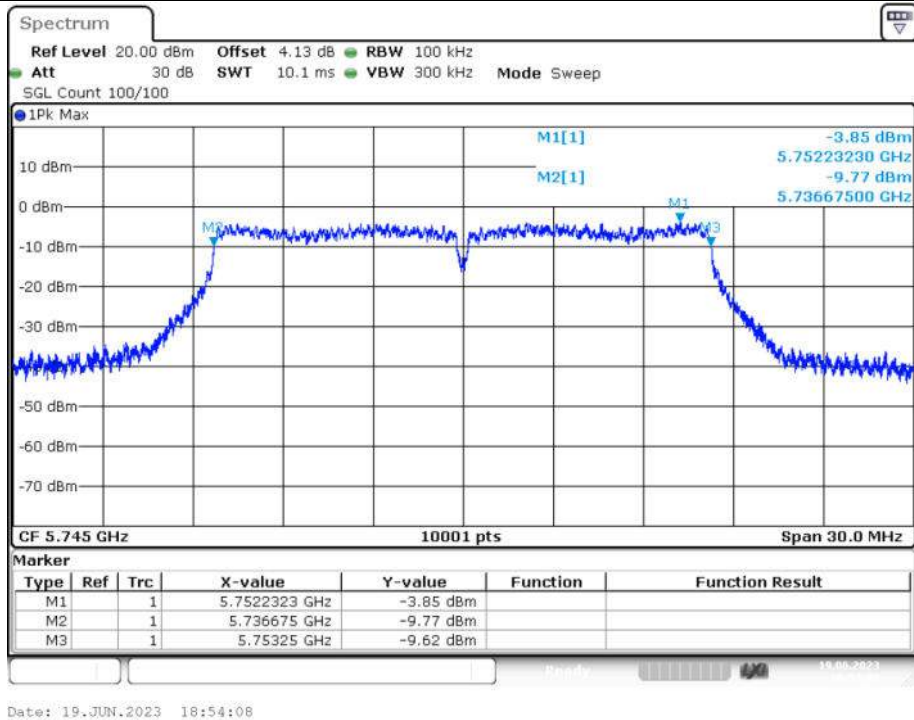
NVNT	ac80	5775	Sum	14.63	-	14.63	28.02	Pass
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-6dB Bandwidth

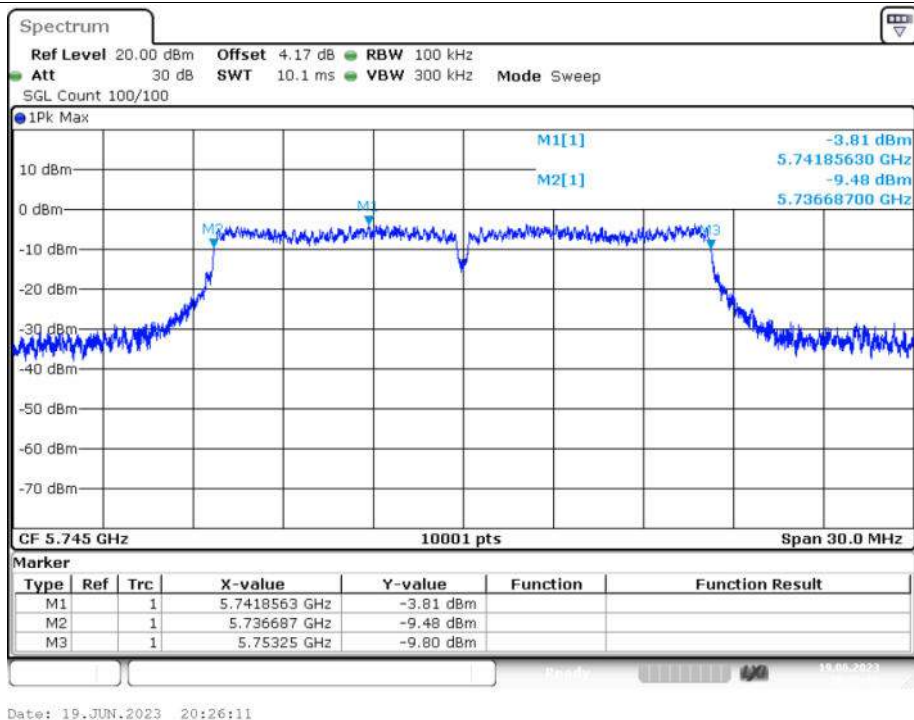
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.575	0.5	Pass
NVNT	a	5745	Ant2	16.563	0.5	Pass
NVNT	a	5785	Ant1	16.545	0.5	Pass
NVNT	a	5785	Ant2	16.572	0.5	Pass
NVNT	a	5825	Ant1	16.551	0.5	Pass
NVNT	a	5825	Ant2	16.56	0.5	Pass
NVNT	n20	5745	Ant1	17.745	0.5	Pass
NVNT	n20	5745	Ant2	17.745	0.5	Pass
NVNT	n20	5785	Ant1	17.64	0.5	Pass
NVNT	n20	5785	Ant2	17.679	0.5	Pass
NVNT	n20	5825	Ant1	17.712	0.5	Pass
NVNT	n20	5825	Ant2	17.784	0.5	Pass
NVNT	n40	5755	Ant1	36.42	0.5	Pass
NVNT	n40	5755	Ant2	36.414	0.5	Pass
NVNT	n40	5795	Ant1	36.366	0.5	Pass
NVNT	n40	5795	Ant2	36.366	0.5	Pass
NVNT	ac20	5745	Ant1	17.7	0.5	Pass
NVNT	ac20	5745	Ant2	17.736	0.5	Pass
NVNT	ac20	5785	Ant1	17.751	0.5	Pass
NVNT	ac20	5785	Ant2	17.736	0.5	Pass
NVNT	ac20	5825	Ant1	17.763	0.5	Pass
NVNT	ac20	5825	Ant2	17.715	0.5	Pass
NVNT	ac40	5755	Ant1	36.414	0.5	Pass
NVNT	ac40	5755	Ant2	36.468	0.5	Pass
NVNT	ac40	5795	Ant1	36.39	0.5	Pass
NVNT	ac40	5795	Ant2	36.354	0.5	Pass
NVNT	ac80	5775	Ant1	76.488	0.5	Pass
NVNT	ac80	5775	Ant2	76.464	0.5	Pass

Test Graphs

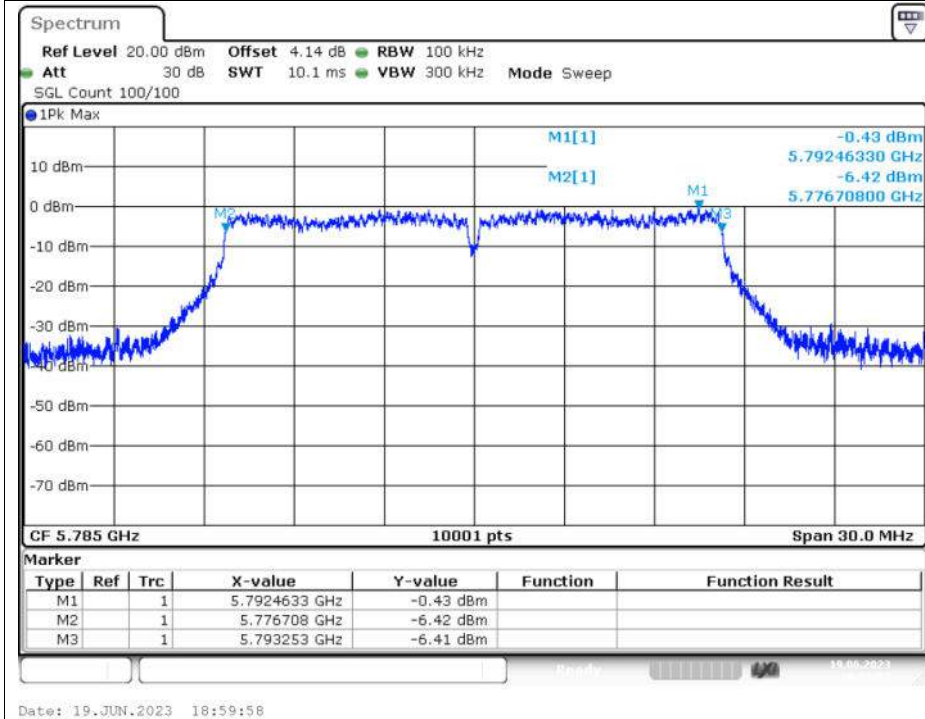
-6dB Bandwidth NVNT a 5745MHz Ant1



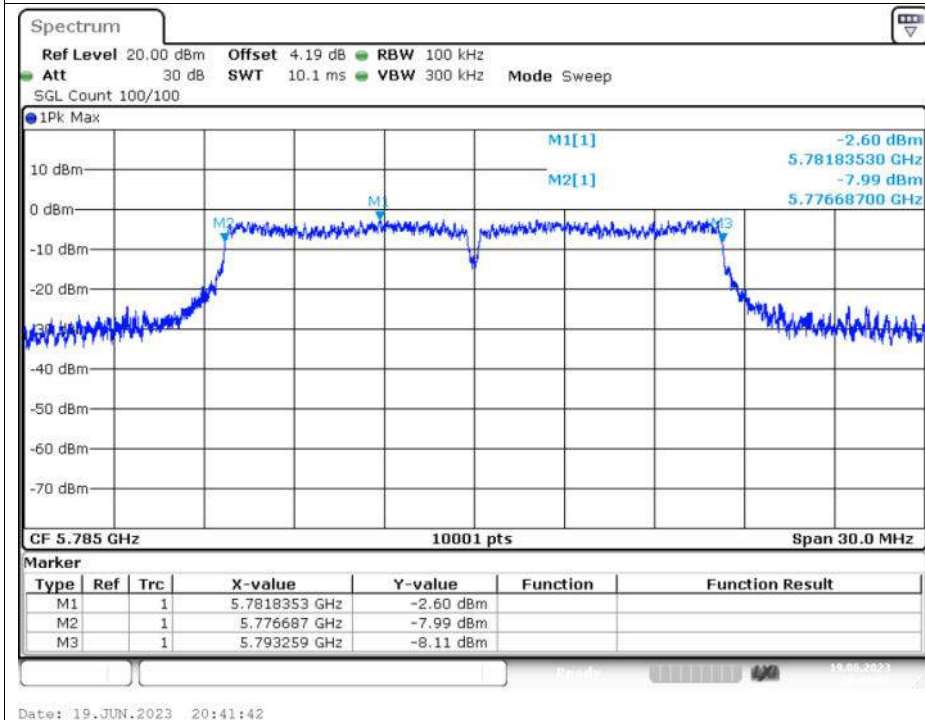
-6dB Bandwidth NVNT a 5745MHz Ant2



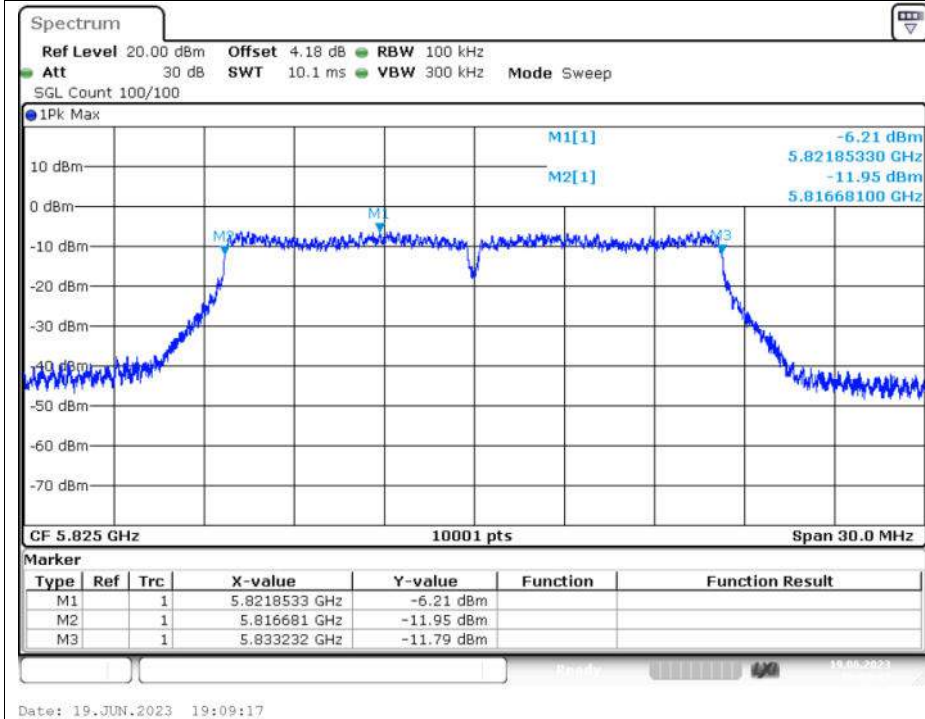
-6dB Bandwidth NVNT a 5785MHz Ant1



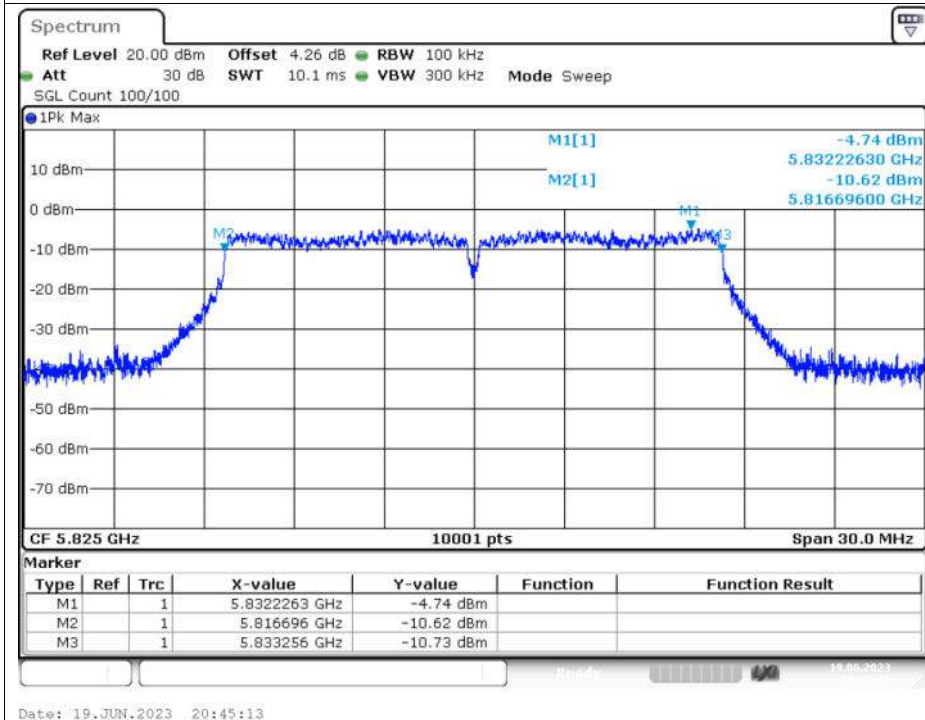
-6dB Bandwidth NVNT a 5785MHz Ant2



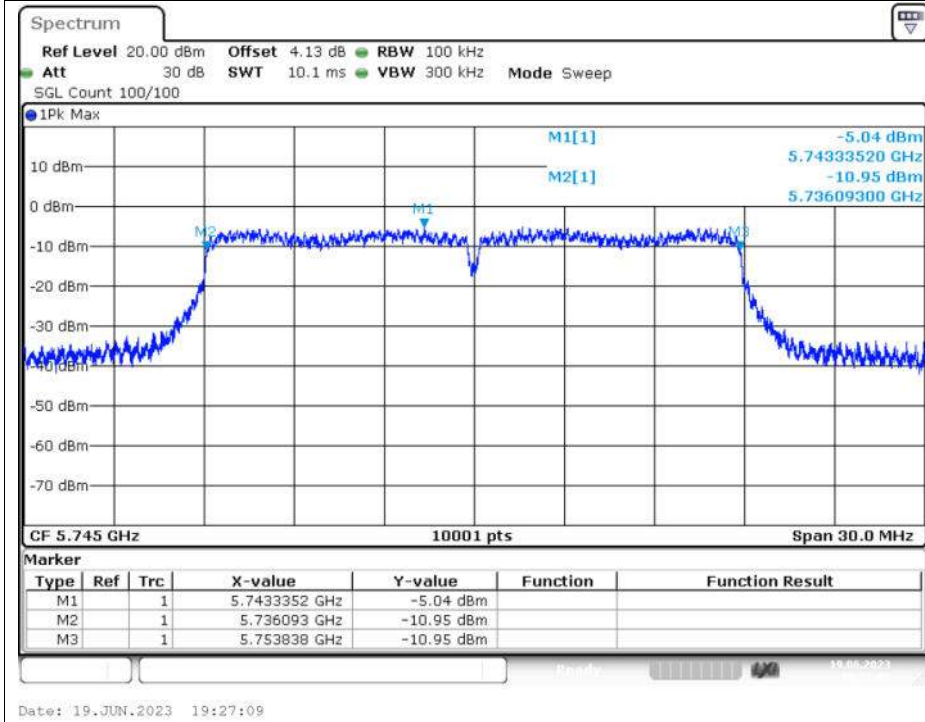
-6dB Bandwidth NVNT a 5825MHz Ant1



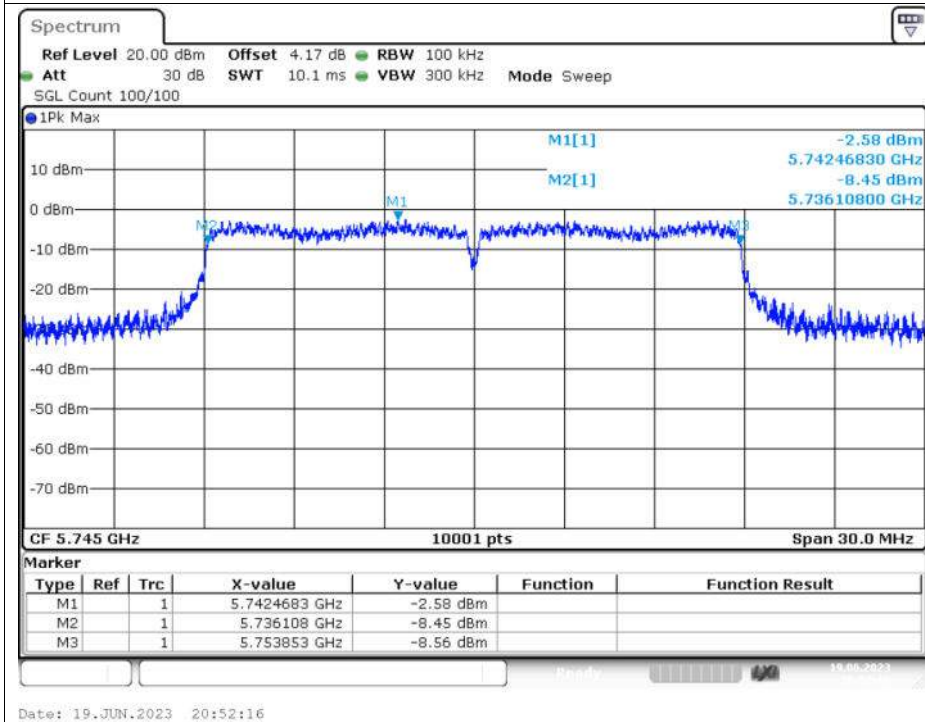
-6dB Bandwidth NVNT a 5825MHz Ant2



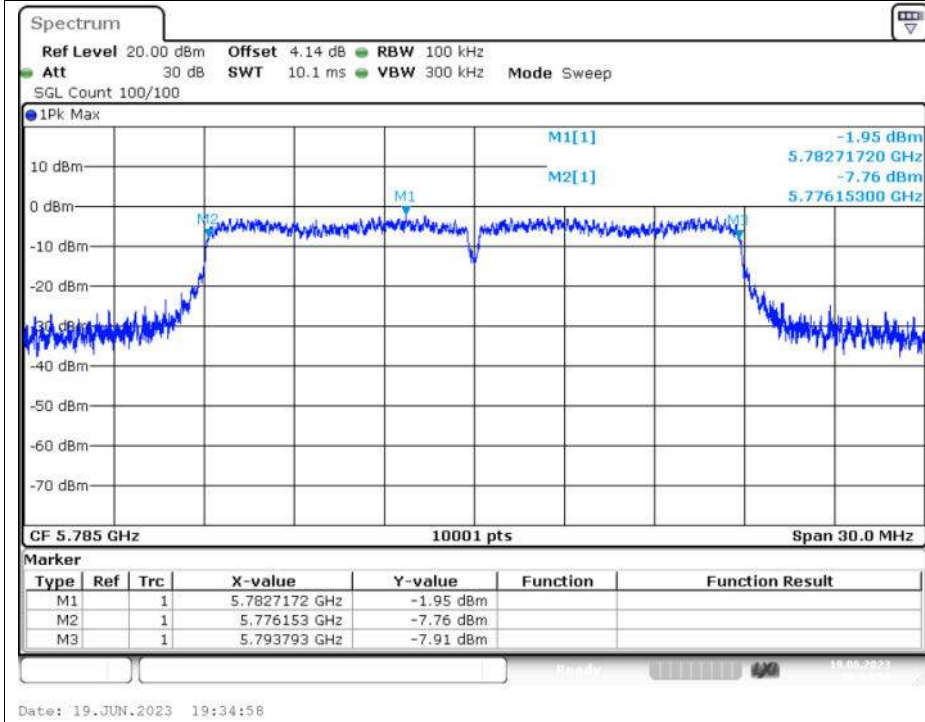
-6dB Bandwidth NVNT n20 5745MHz Ant1



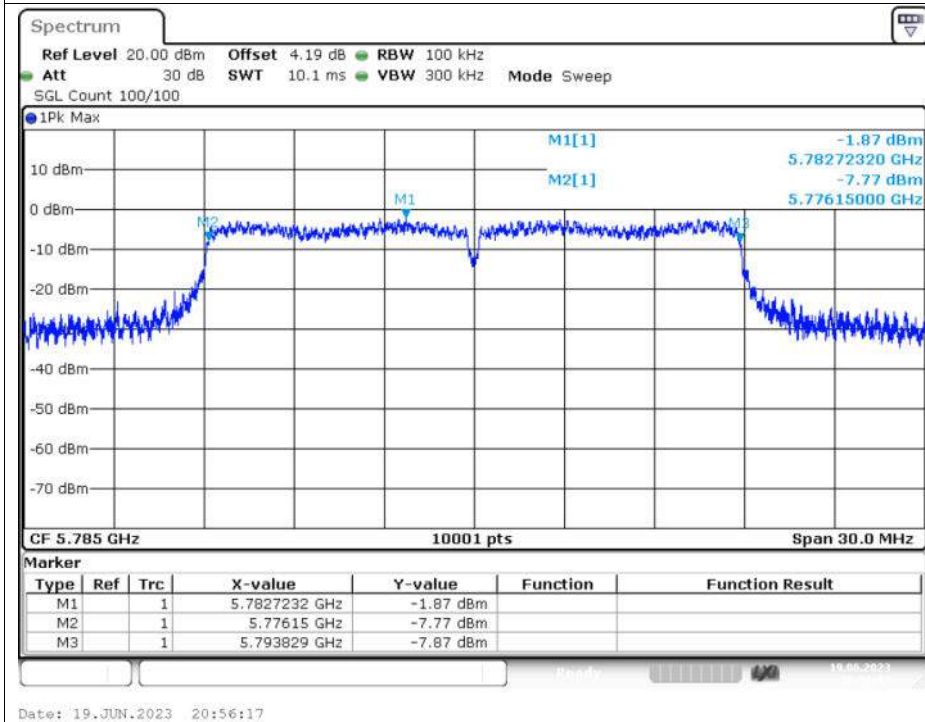
-6dB Bandwidth NVNT n20 5745MHz Ant2



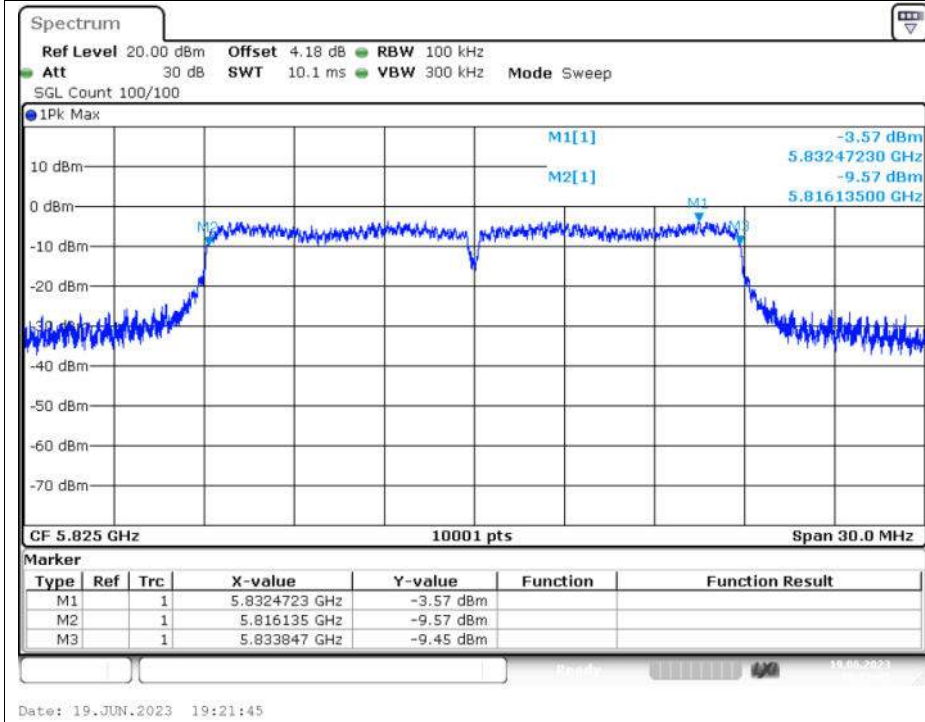
-6dB Bandwidth NVNT n20 5785MHz Ant1



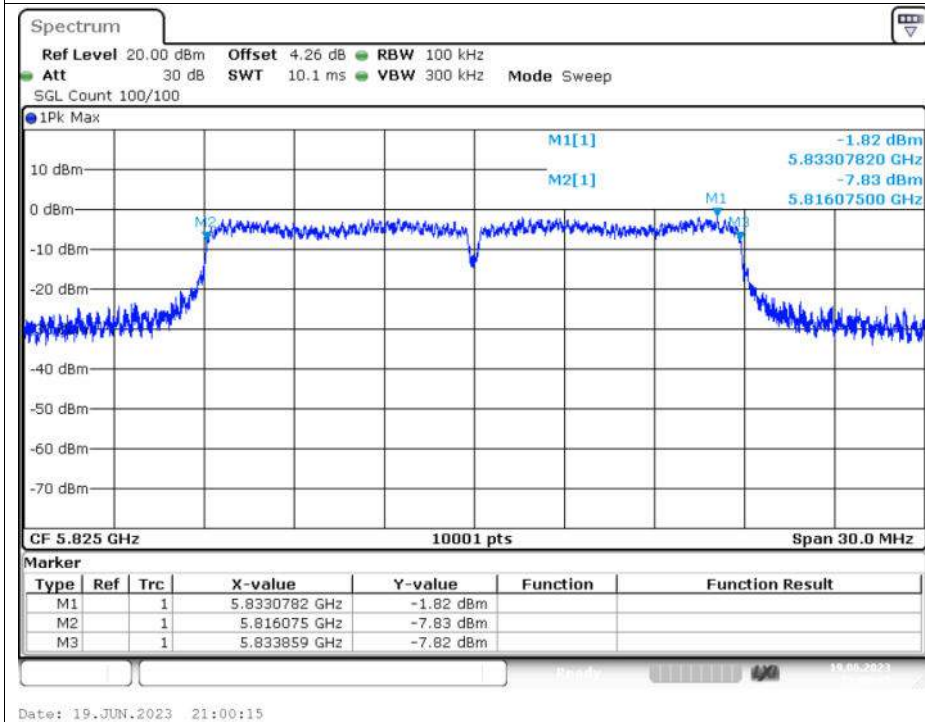
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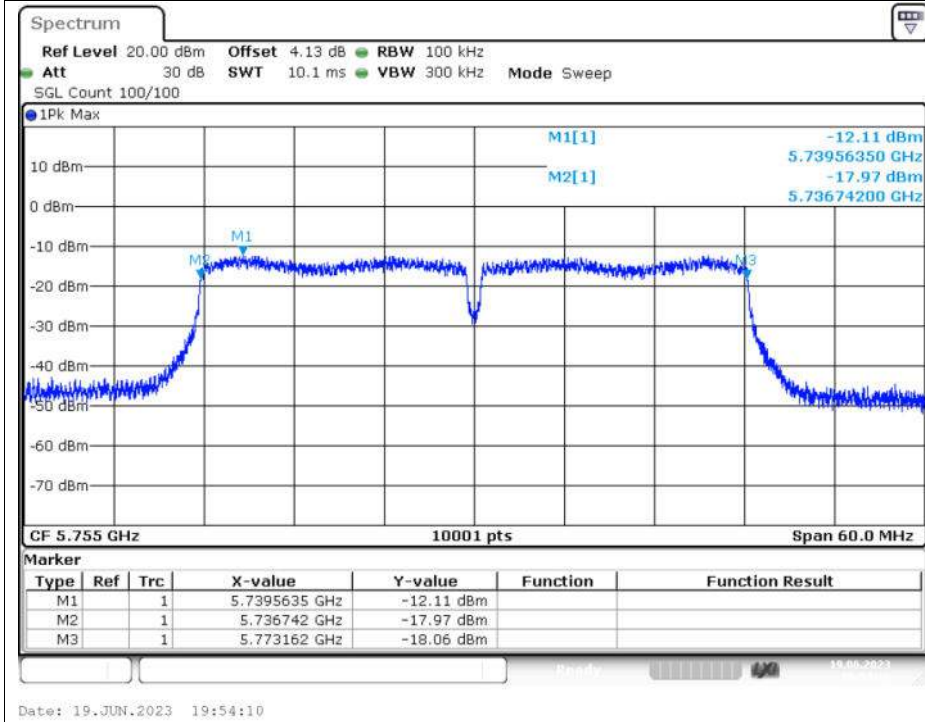
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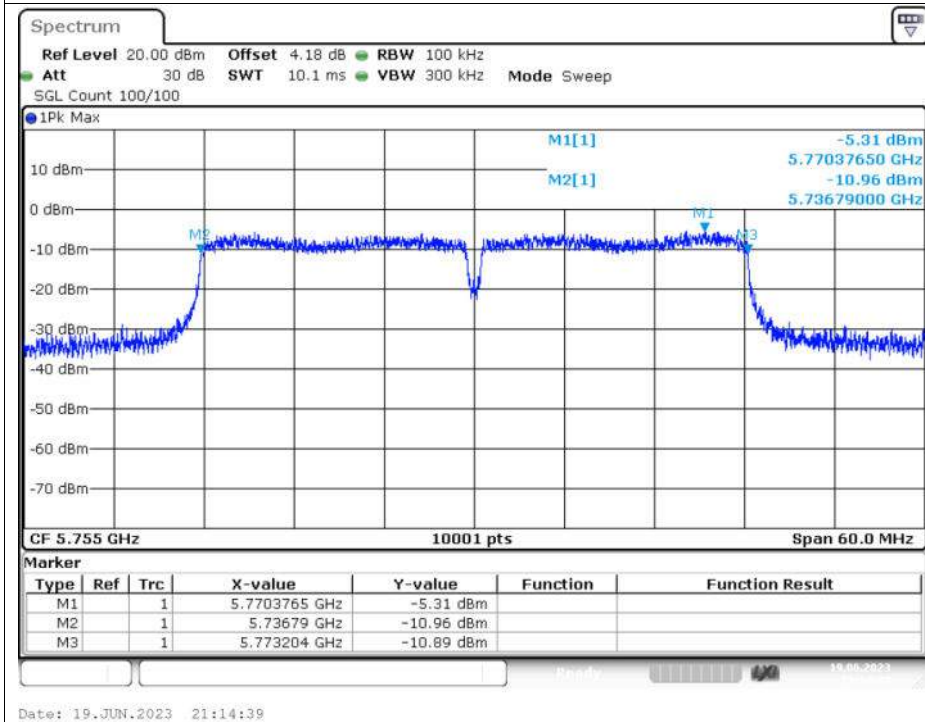
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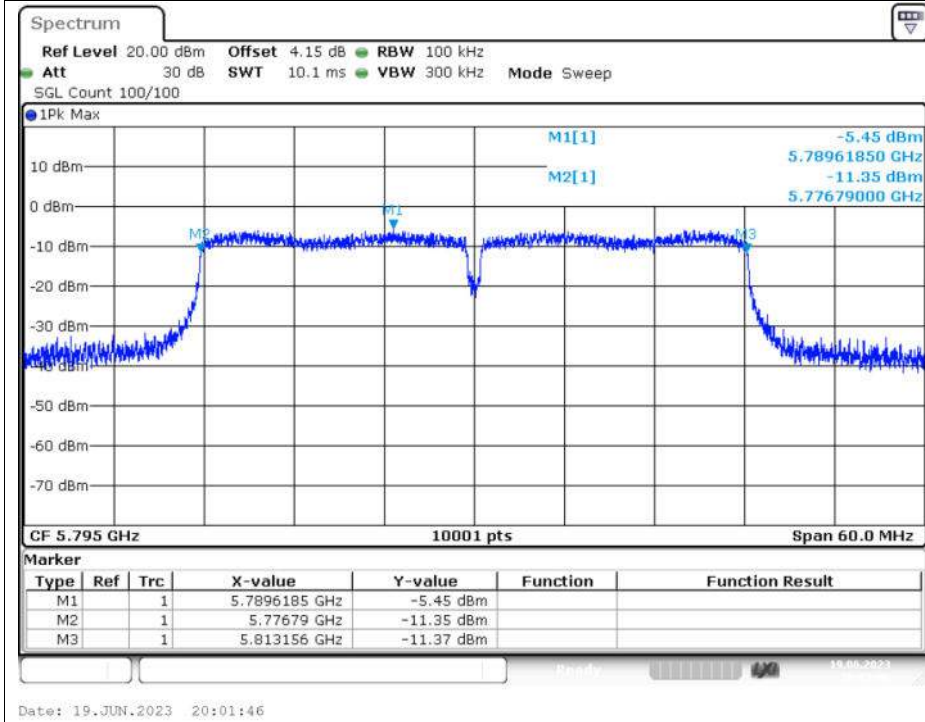
-6dB Bandwidth NVNT n40 5755MHz Ant1



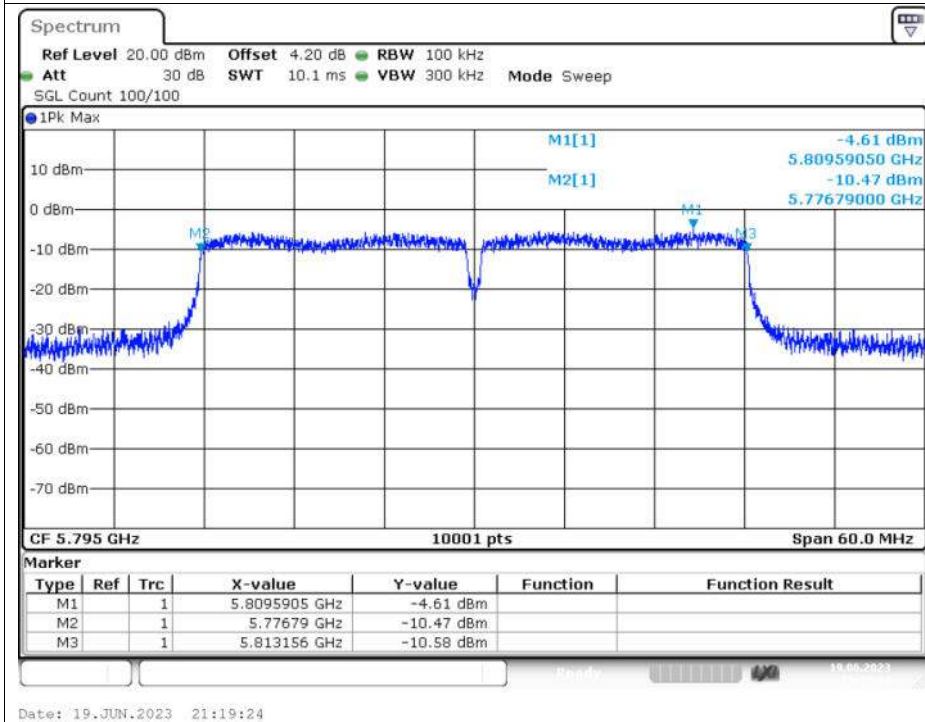
-6dB Bandwidth NVNT n40 5755MHz Ant2



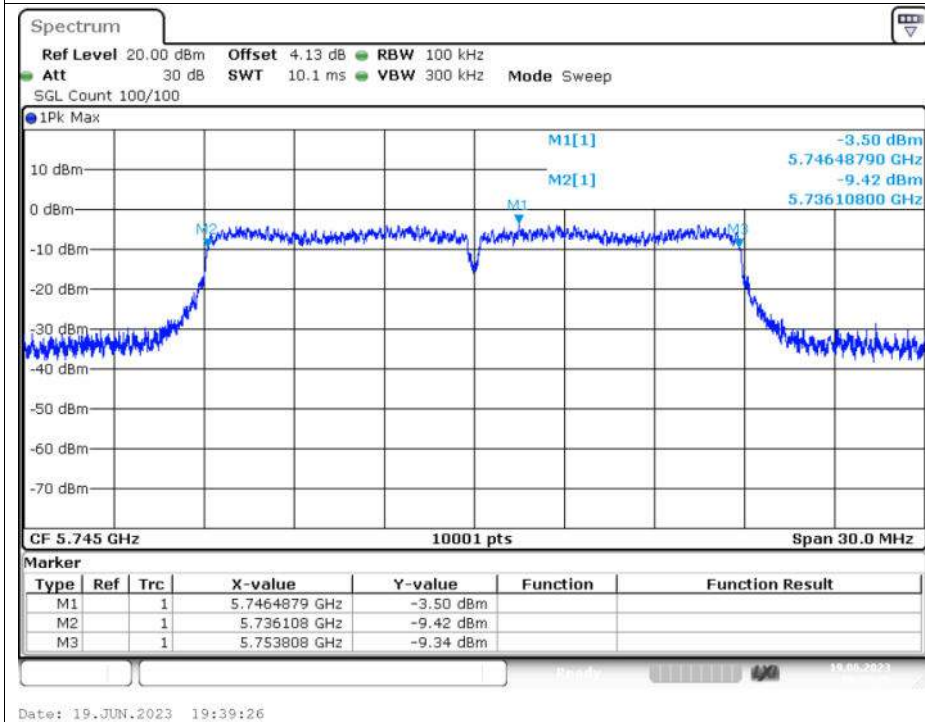
-6dB Bandwidth NVNT n40 5795MHz Ant1



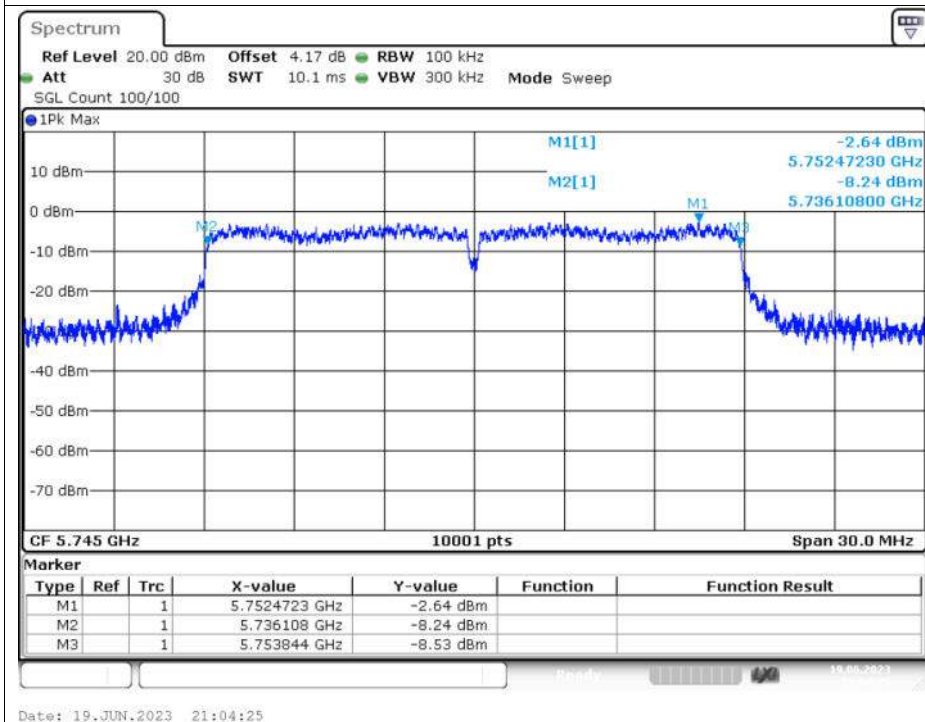
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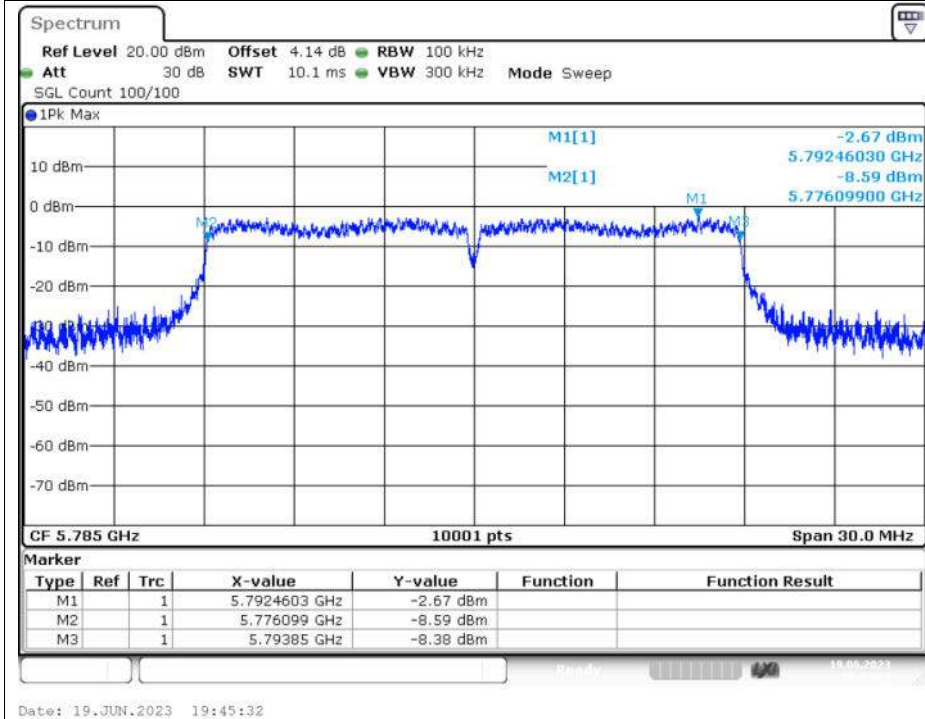
-6dB Bandwidth NVNT ac20 5745MHz Ant1



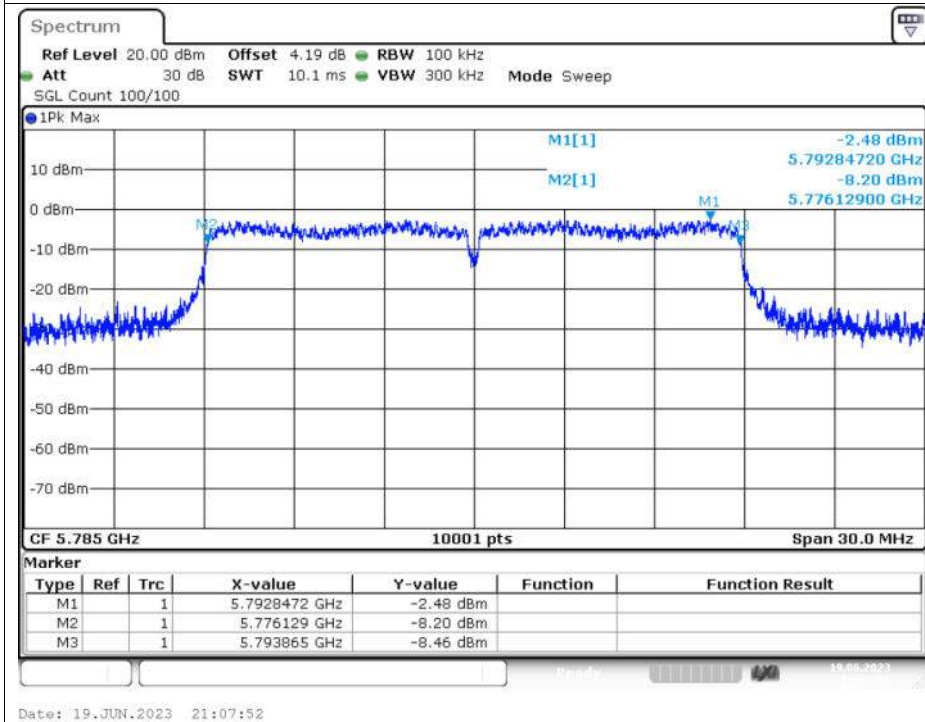
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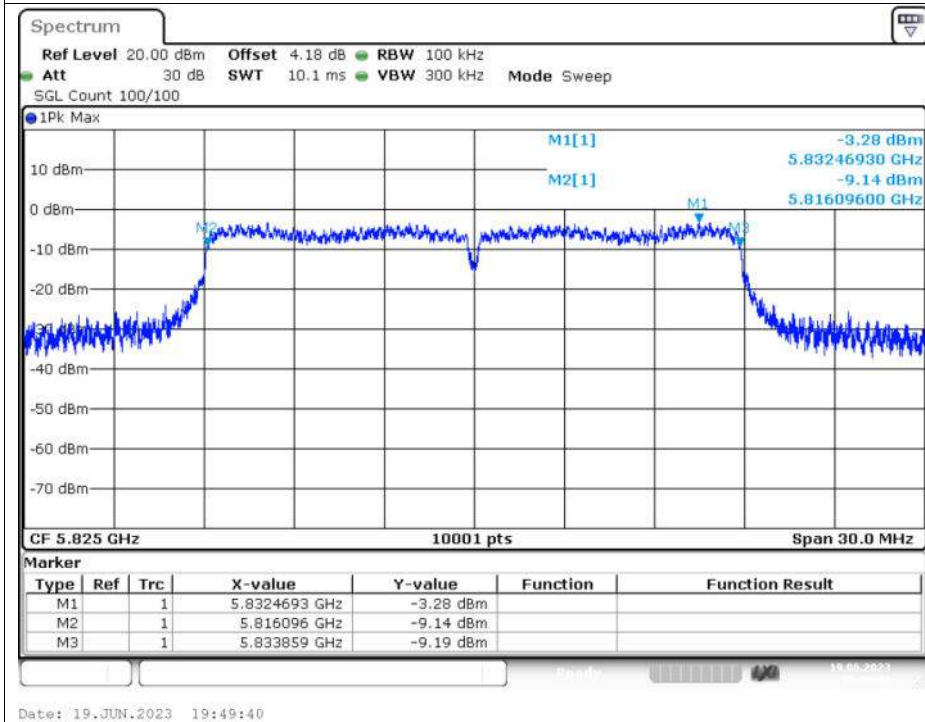
-6dB Bandwidth NVNT ac20 5785MHz Ant1



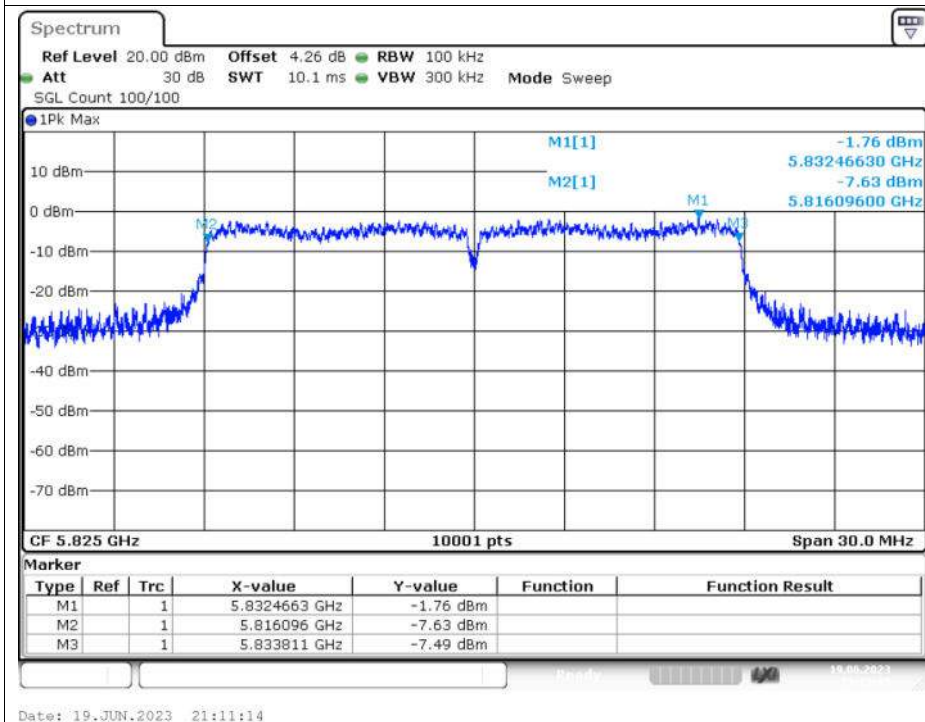
-6dB Bandwidth NVNT ac20 5785MHz Ant2



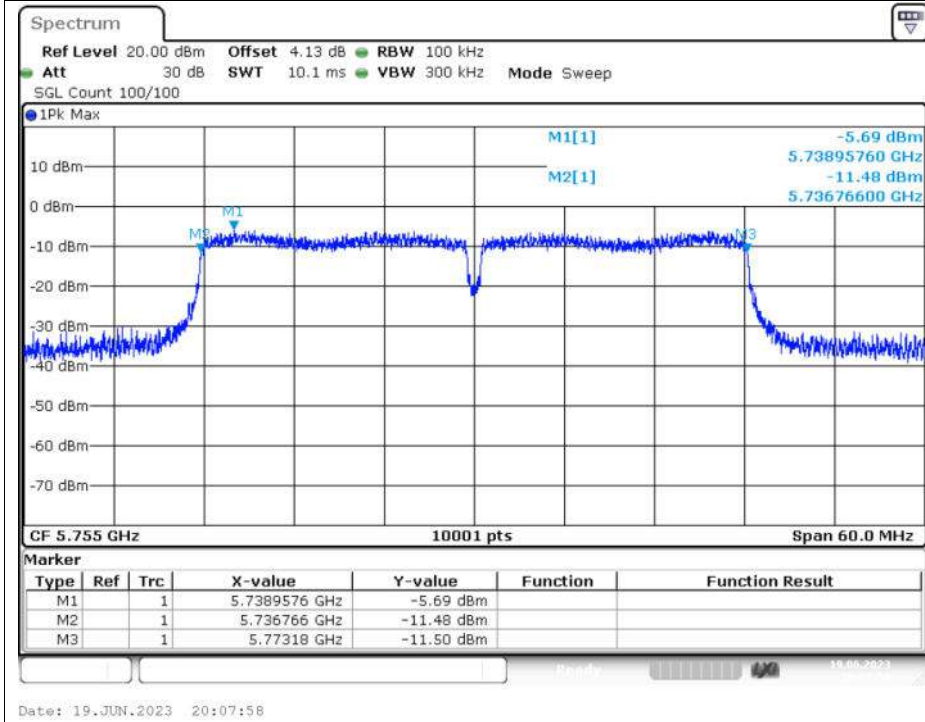
-6dB Bandwidth NVNT ac20 5825MHz Ant1



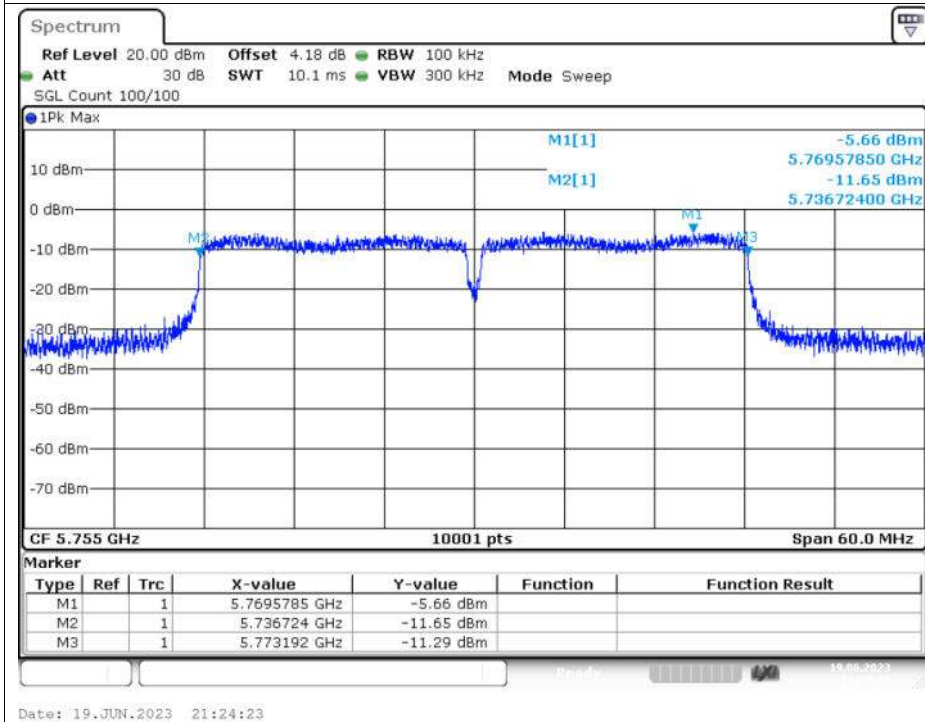
-6dB Bandwidth NVNT ac20 5825MHz Ant2



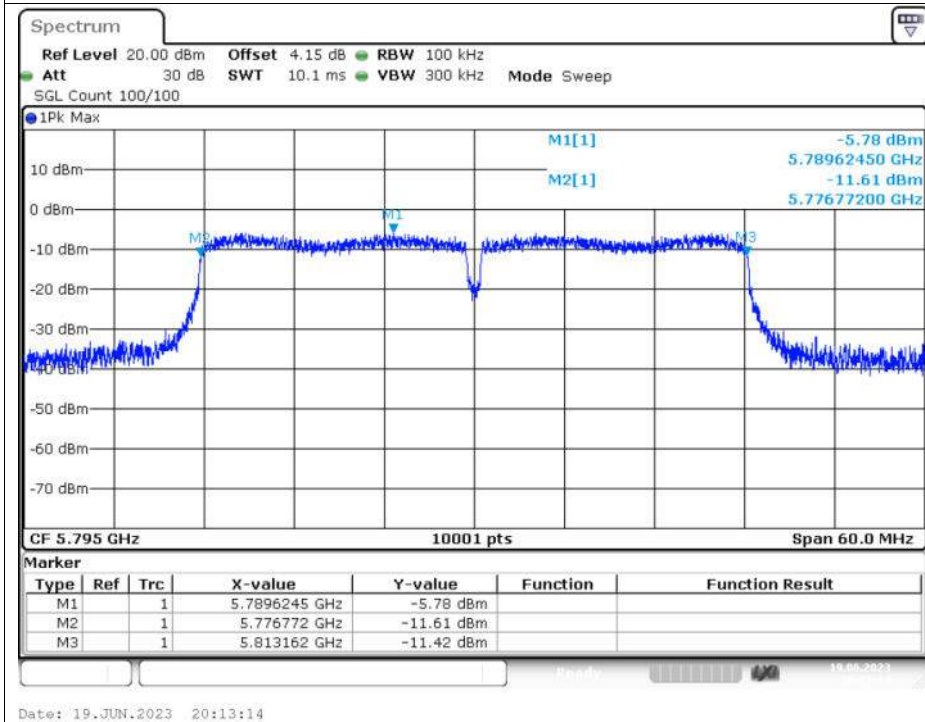
-6dB Bandwidth NVNT ac40 5755MHz Ant1



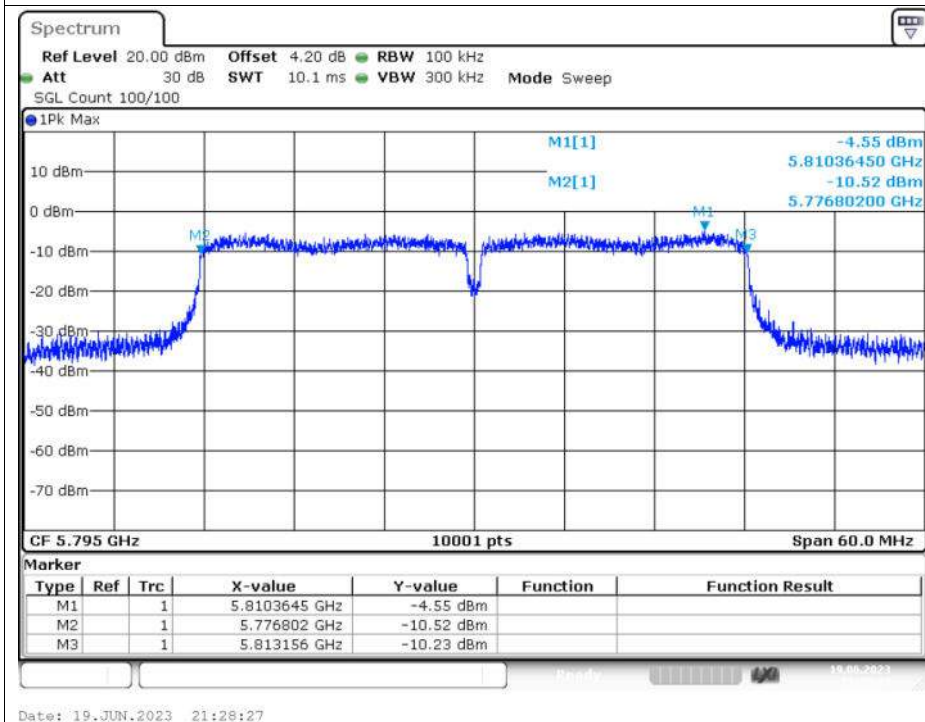
-6dB Bandwidth NVNT ac40 5755MHz Ant2



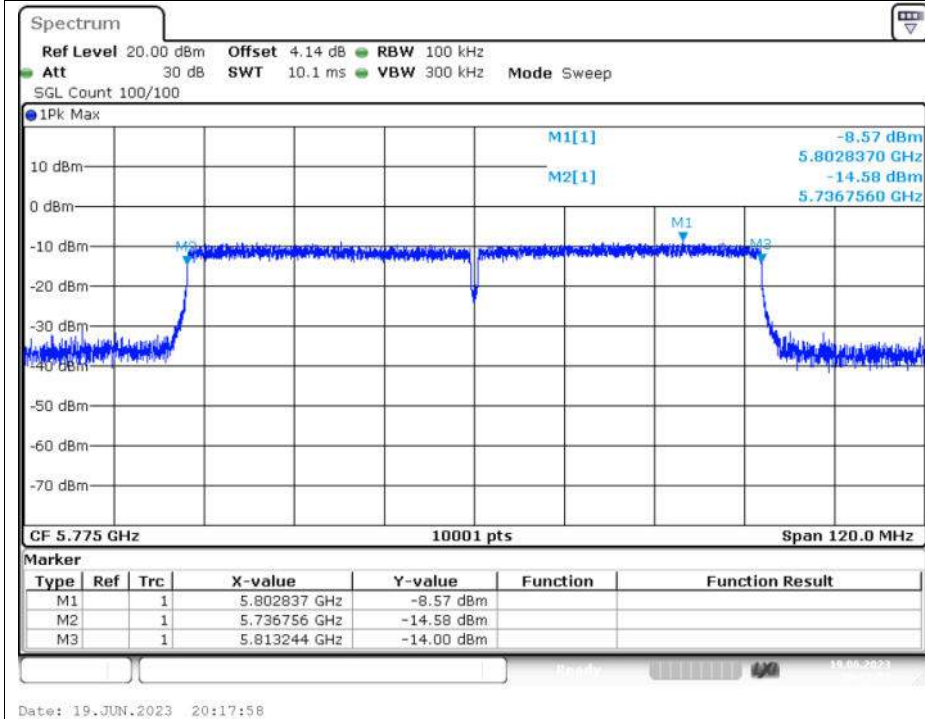
-6dB Bandwidth NVNT ac40 5795MHz Ant1



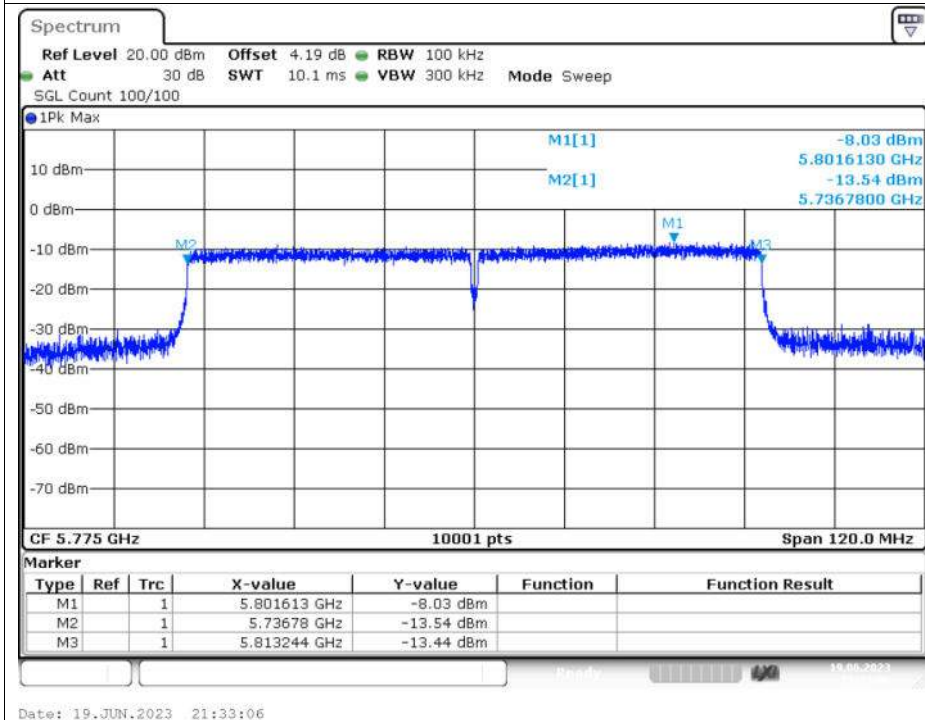
-6dB Bandwidth NVNT ac40 5795MHz Ant2



-6dB Bandwidth NVNT ac80 5775MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant2

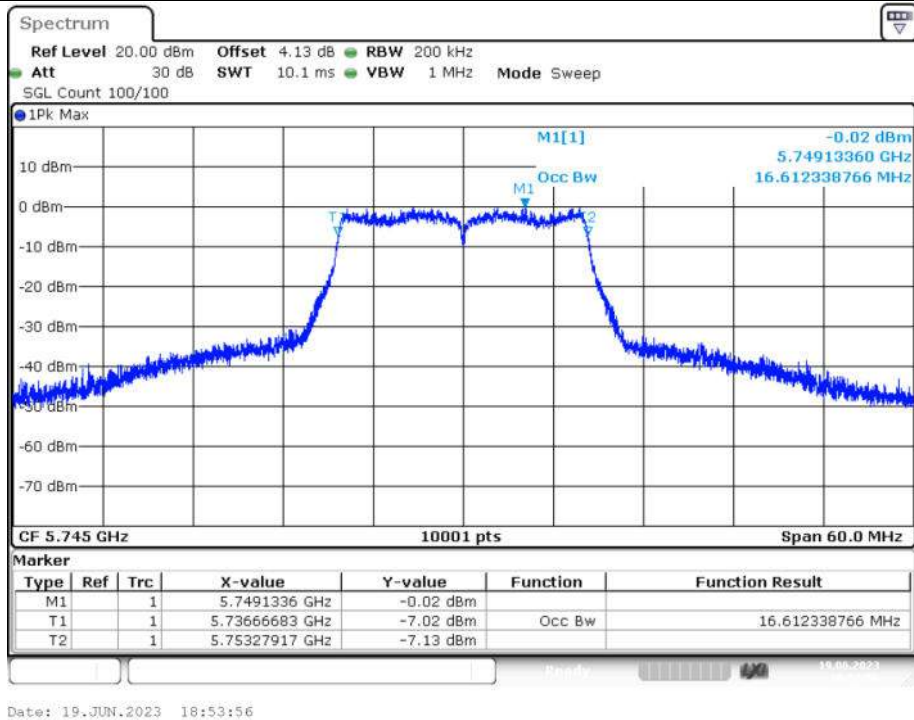


Occupied Channel Bandwidth

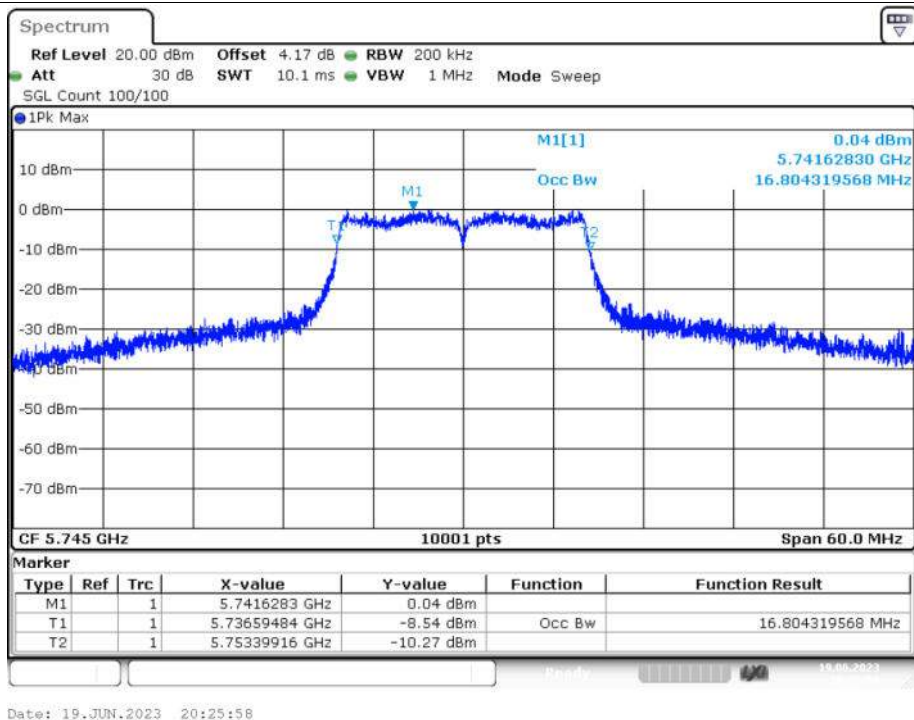
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.612
NVNT	a	5745	Ant2	16.804
NVNT	a	5785	Ant1	16.63
NVNT	a	5785	Ant2	16.912
NVNT	a	5825	Ant1	16.618
NVNT	a	5825	Ant2	16.966
NVNT	n20	5745	Ant1	17.704
NVNT	n20	5745	Ant2	17.992
NVNT	n20	5785	Ant1	17.782
NVNT	n20	5785	Ant2	17.926
NVNT	n20	5825	Ant1	17.866
NVNT	n20	5825	Ant2	17.962
NVNT	n40	5755	Ant1	36.344
NVNT	n40	5755	Ant2	36.788
NVNT	n40	5795	Ant1	36.416
NVNT	n40	5795	Ant2	36.668
NVNT	ac20	5745	Ant1	17.746
NVNT	ac20	5745	Ant2	17.992
NVNT	ac20	5785	Ant1	17.77
NVNT	ac20	5785	Ant2	17.932
NVNT	ac20	5825	Ant1	17.854
NVNT	ac20	5825	Ant2	17.944
NVNT	ac40	5755	Ant1	36.596
NVNT	ac40	5755	Ant2	36.8
NVNT	ac40	5795	Ant1	36.44
NVNT	ac40	5795	Ant2	36.644
NVNT	ac80	5775	Ant1	76.408
NVNT	ac80	5775	Ant2	77.032

Test Graphs

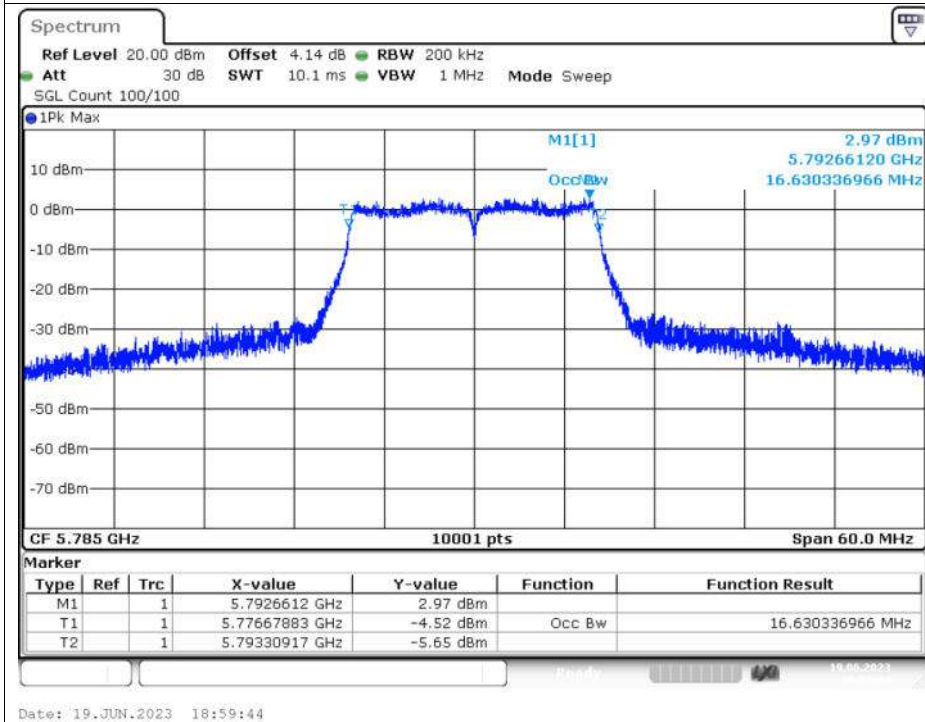
OBW NVNT a 5745MHz Ant1



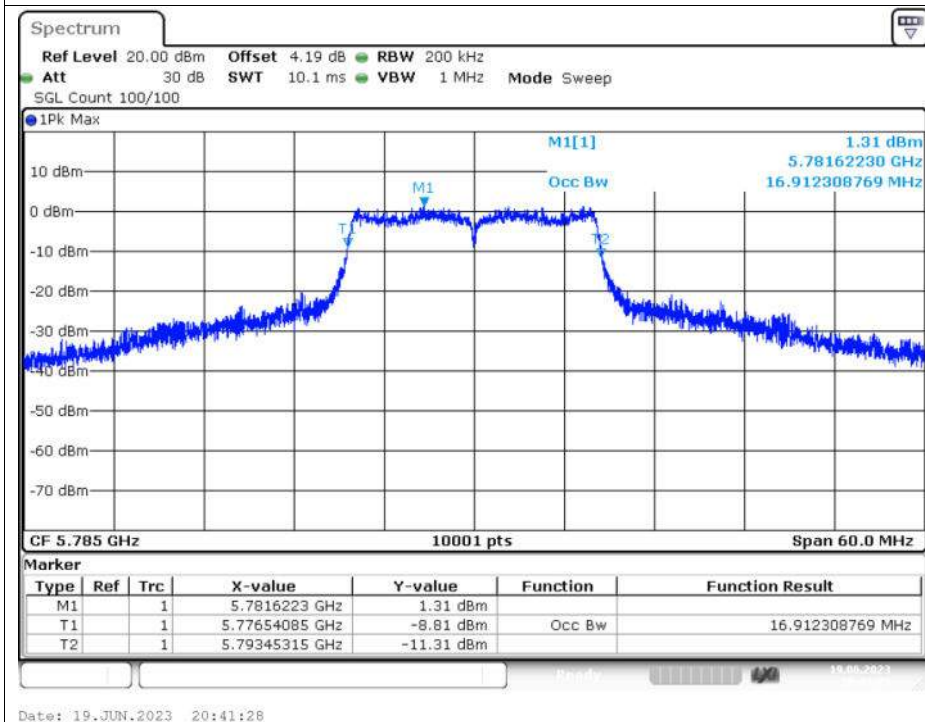
OBW NVNT a 5745MHz Ant2



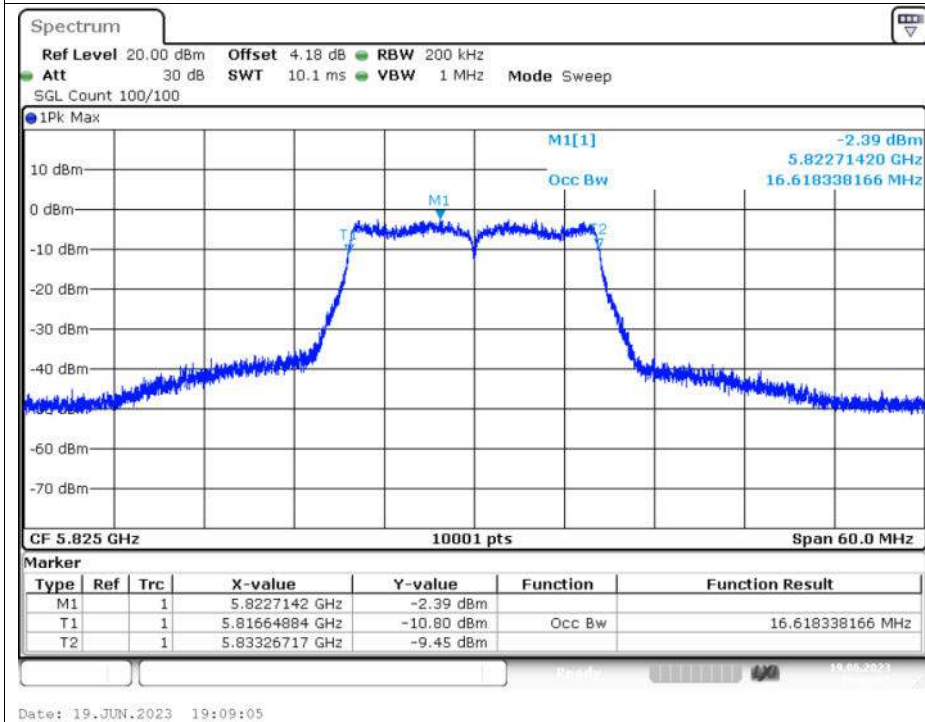
OBW NVNT a 5785MHz Ant1



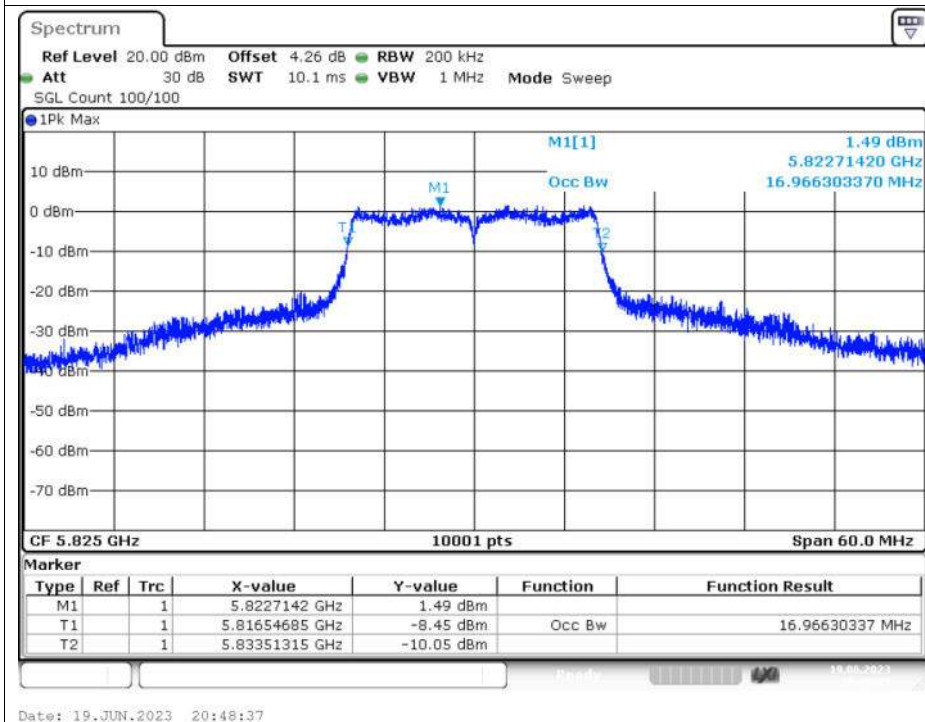
OBW NVNT a 5785MHz Ant2



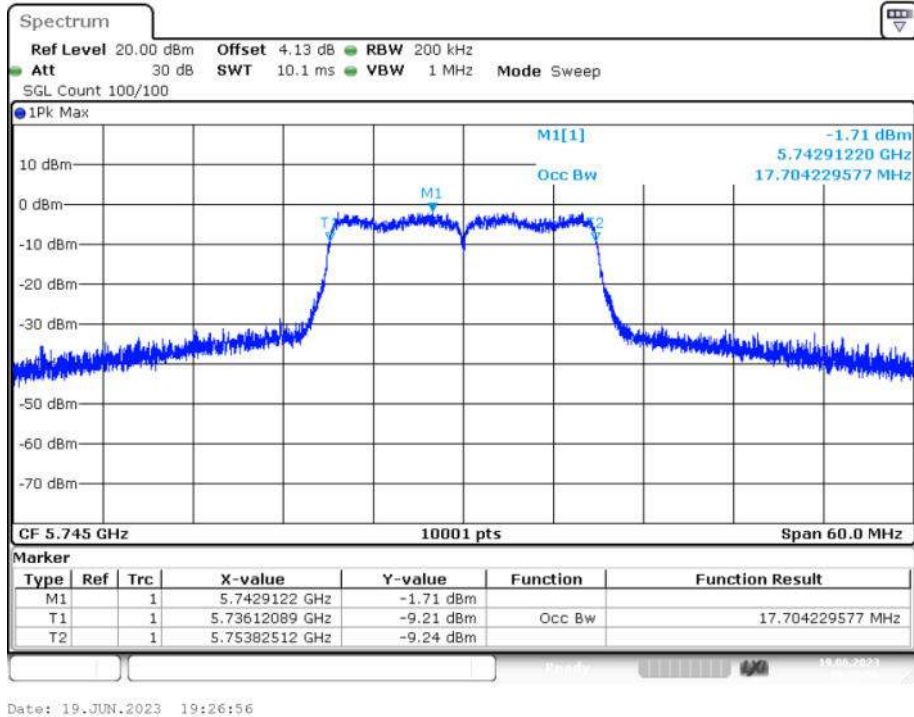
OBW NVNT a 5825MHz Ant1



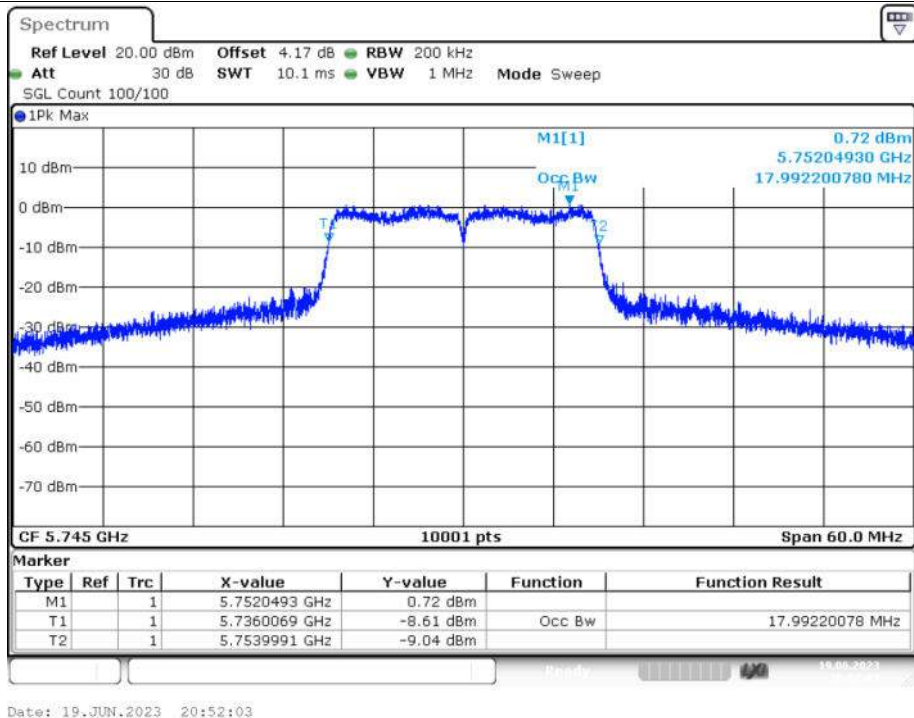
OBW NVNT a 5825MHz Ant2



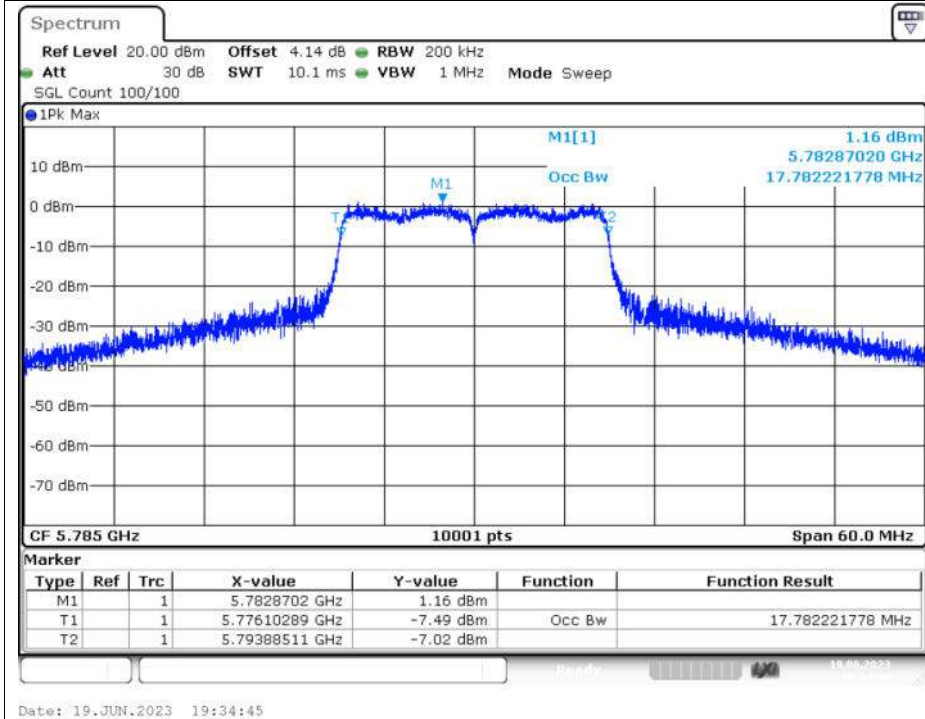
OBW NVNT n20 5745MHz Ant1



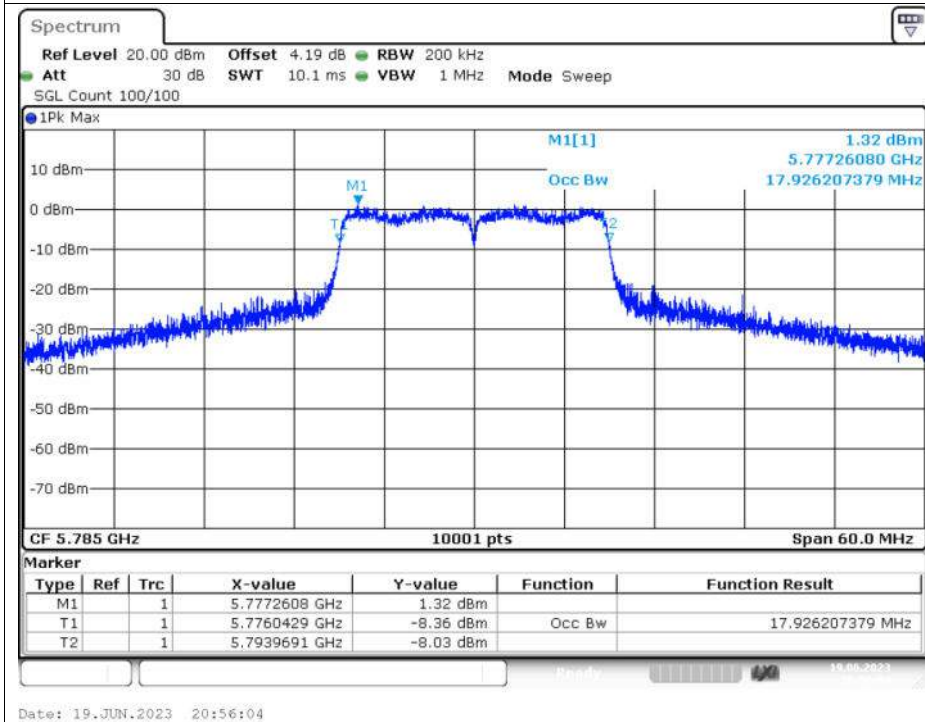
OBW NVNT n20 5745MHz Ant2



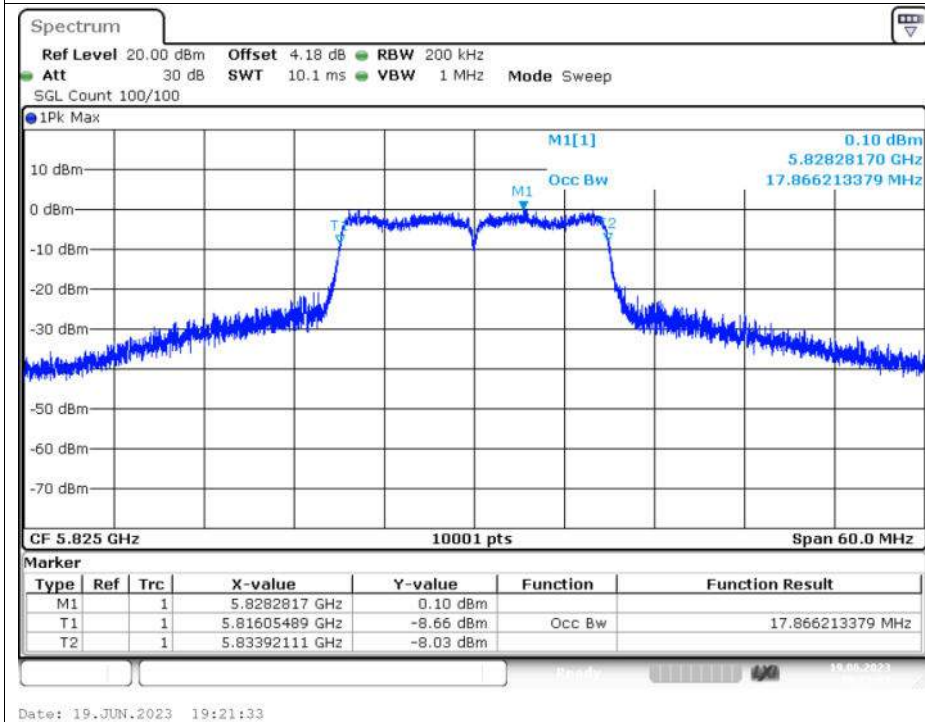
OBW NVNT n20 5785MHz Ant1



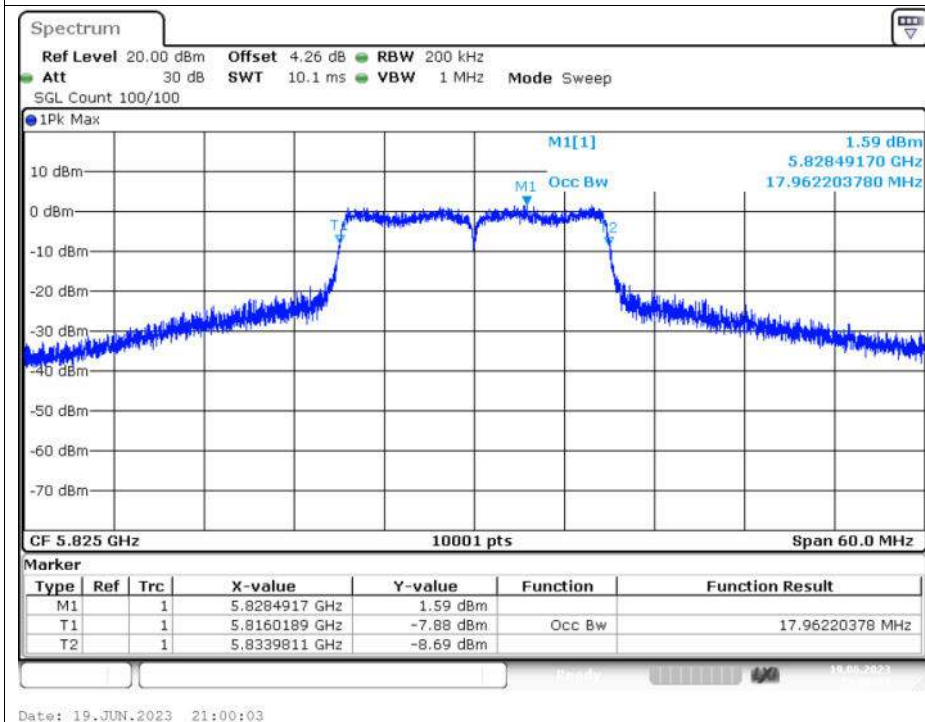
OBW NVNT n20 5785MHz Ant2



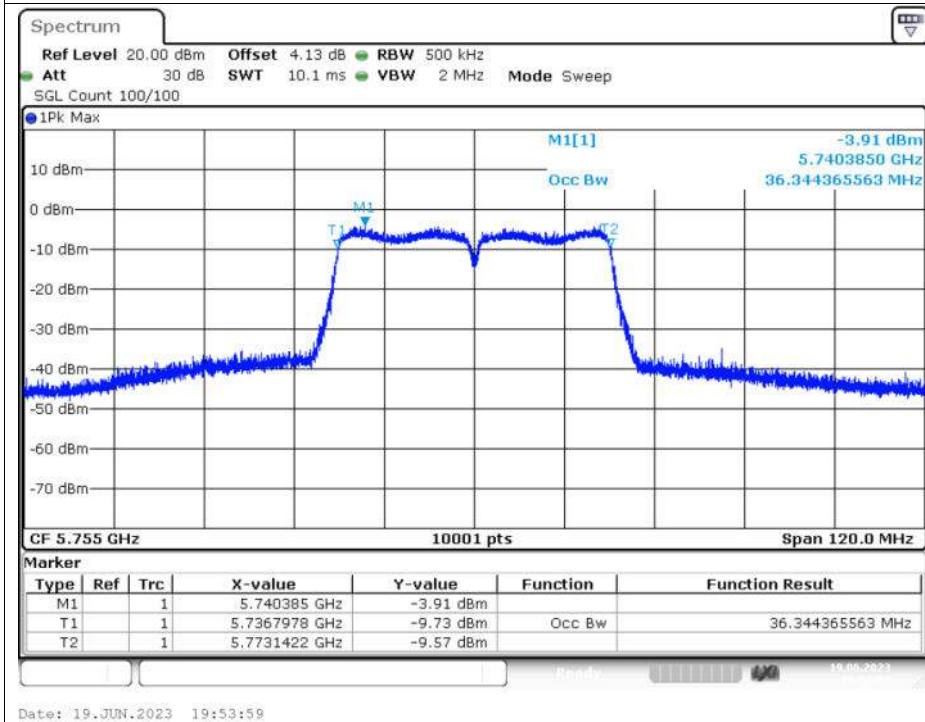
OBW NVNT n20 5825MHz Ant1



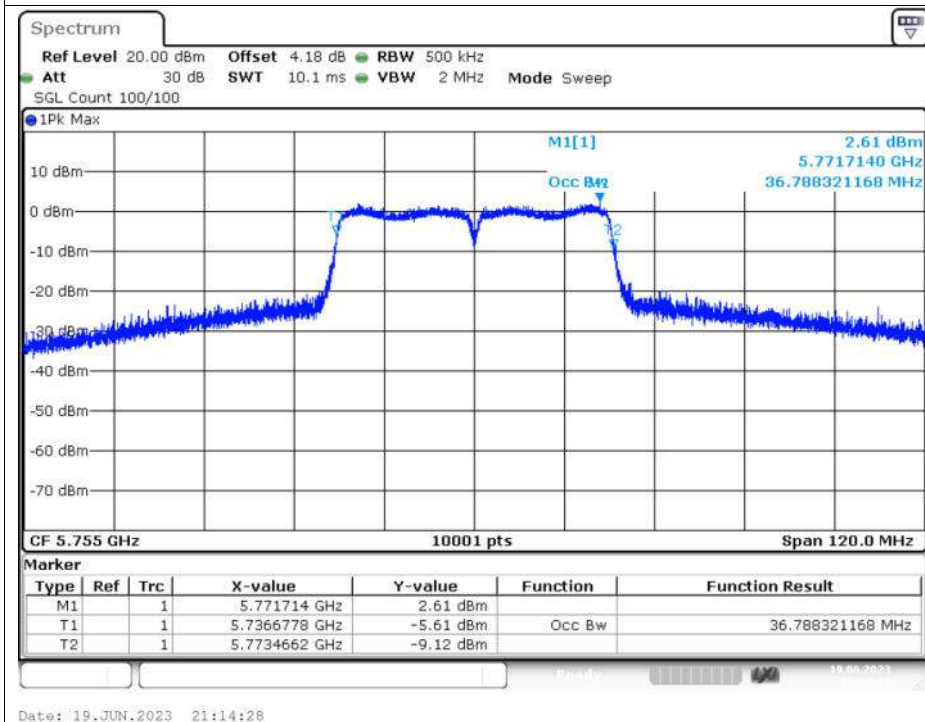
OBW NVNT n20 5825MHz Ant2



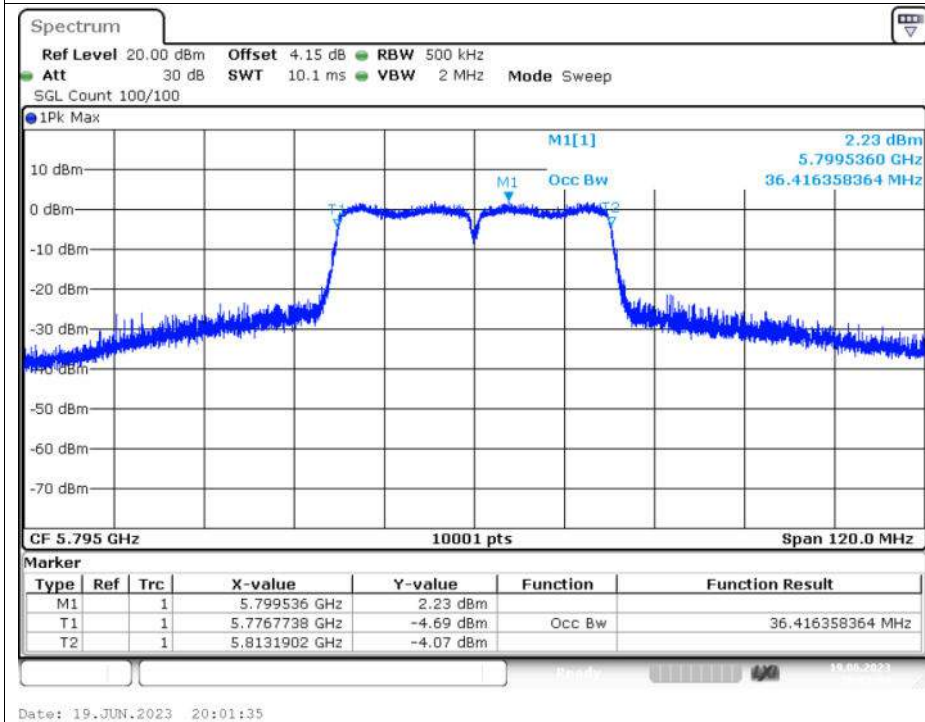
OBW NVNT n40 5755MHz Ant1



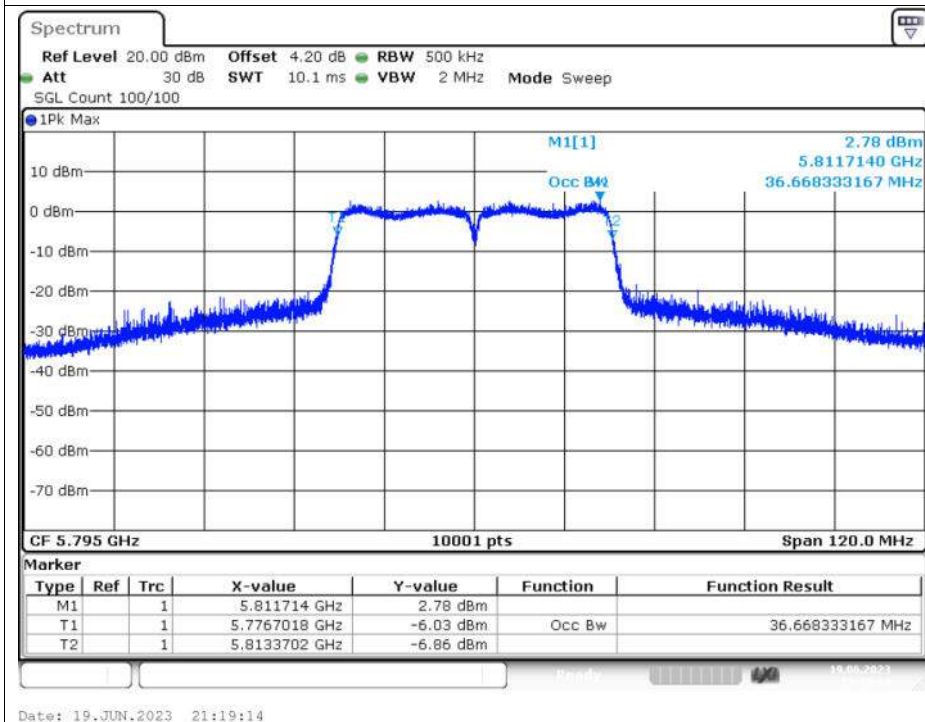
OBW NVNT n40 5755MHz Ant2



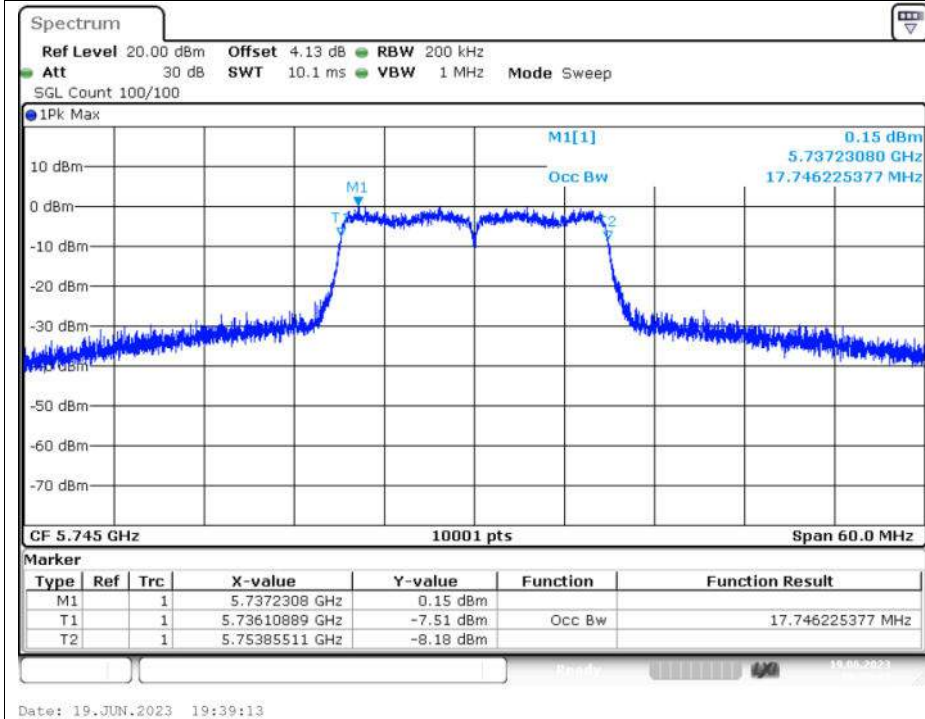
OBW NVNT n40 5795MHz Ant1



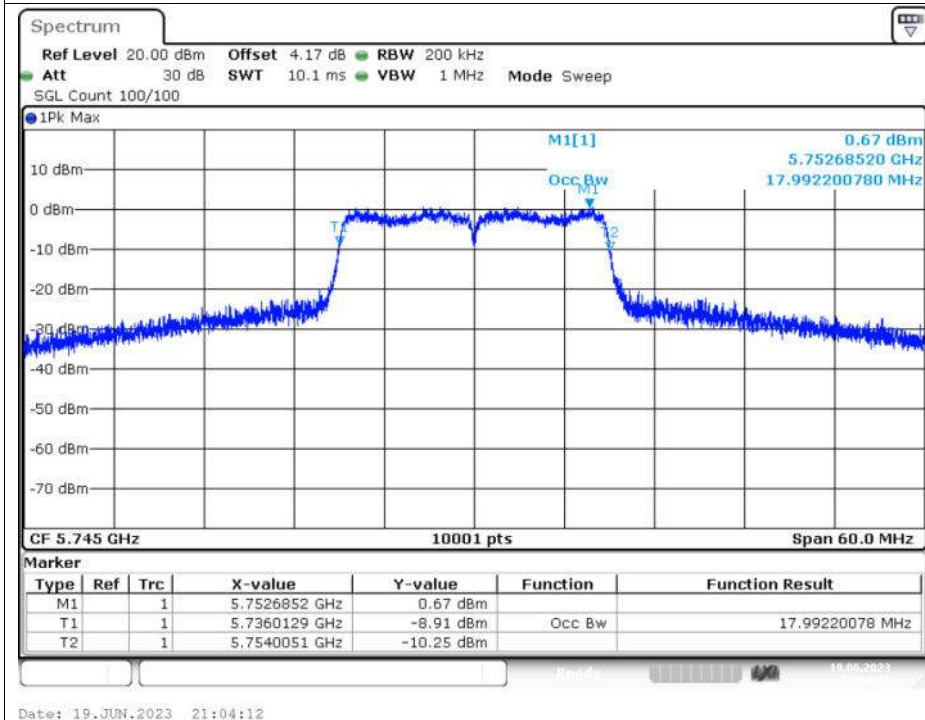
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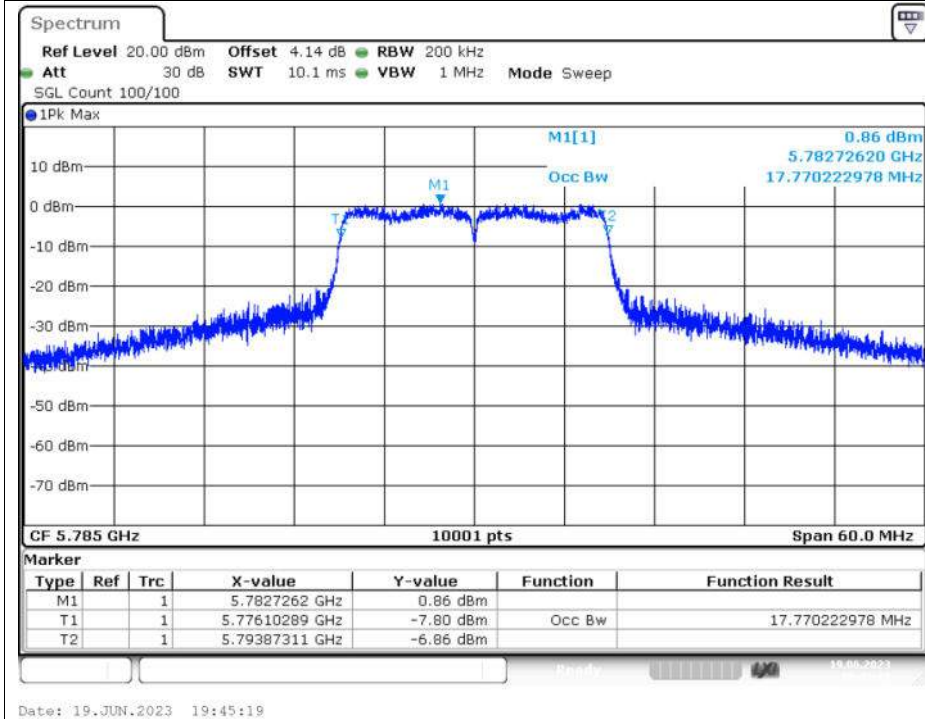
OBW NVNT ac20 5745MHz Ant1



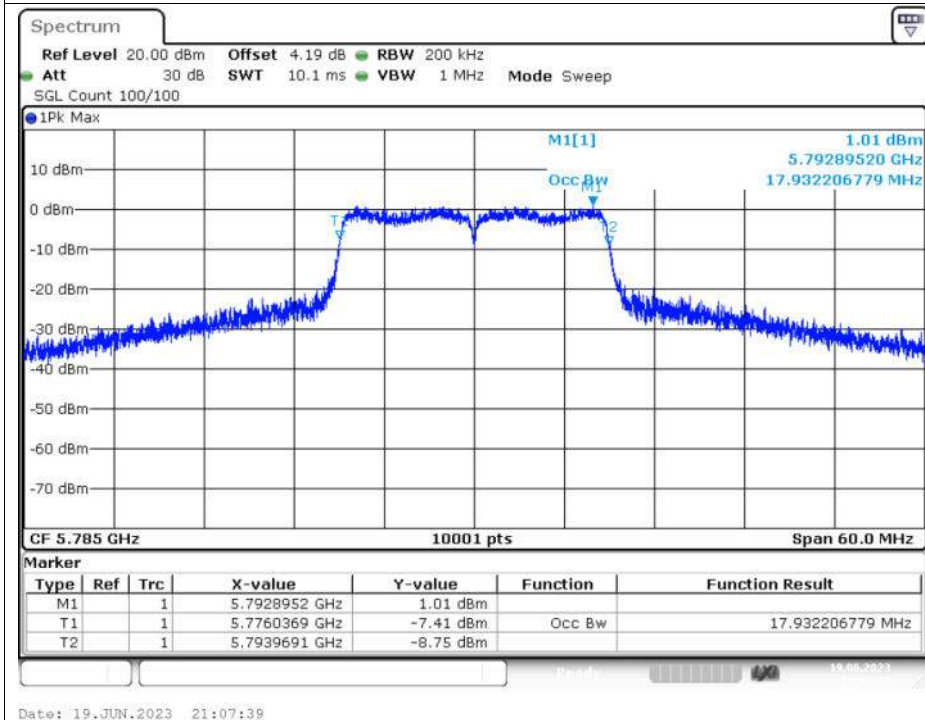
OBW NVNT ac20 5745MHz Ant2



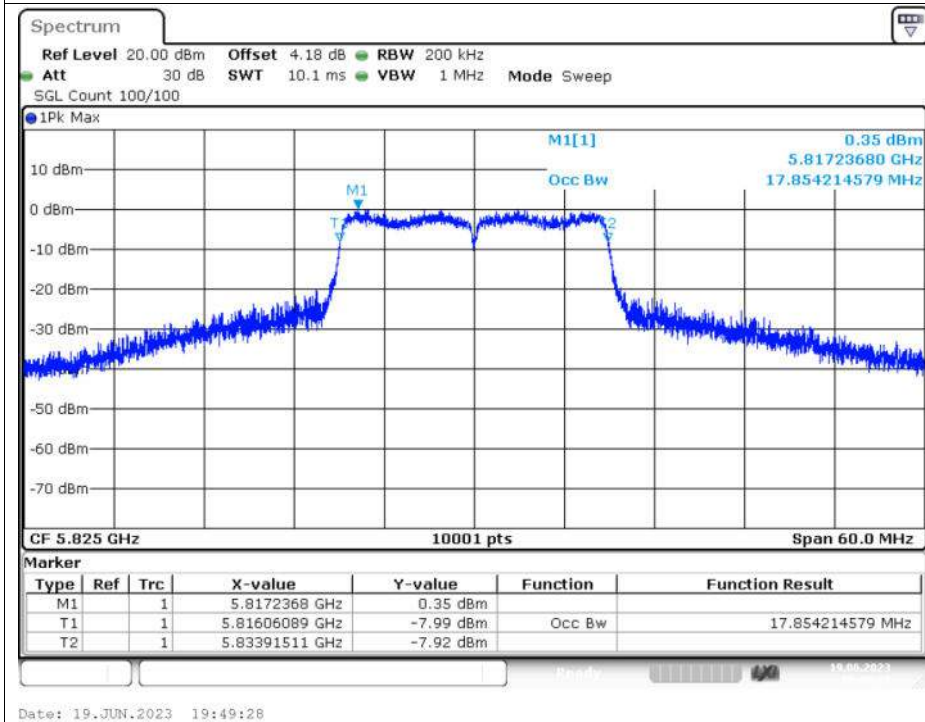
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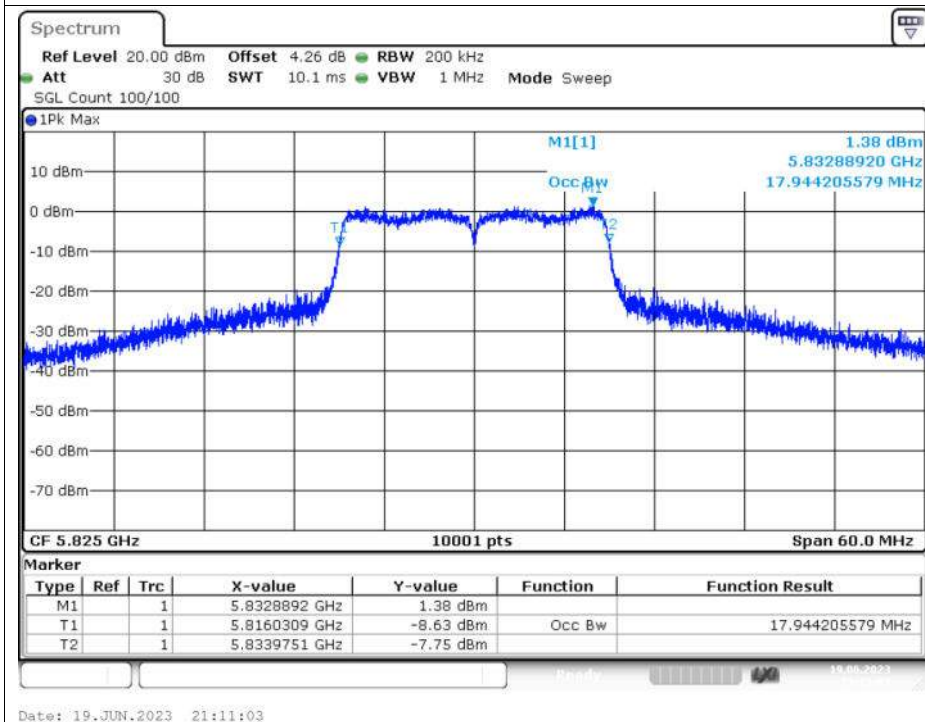
OBW NVNT ac20 5785MHz Ant2



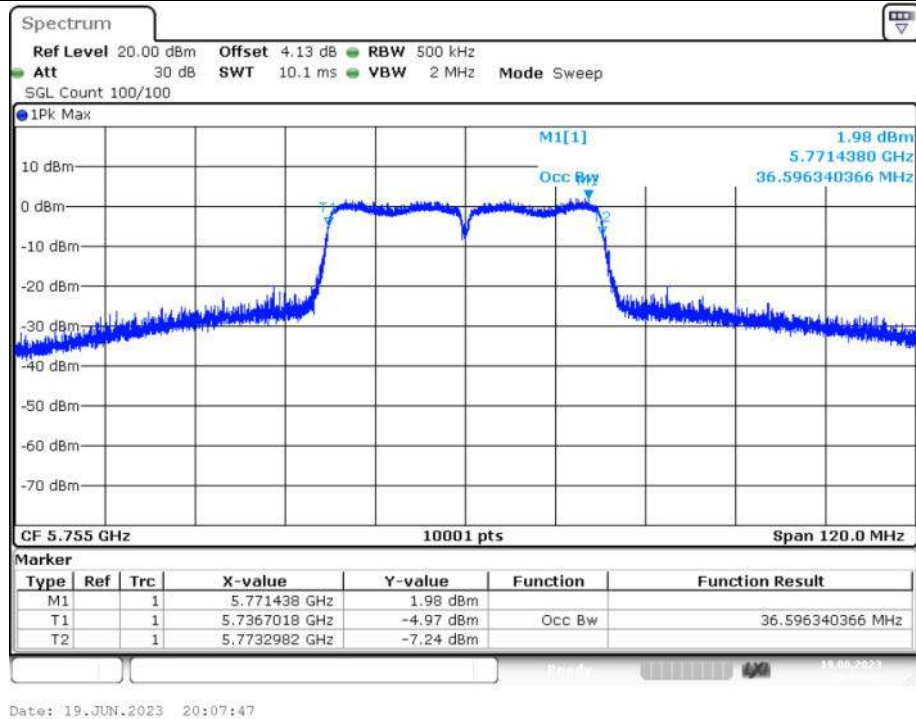
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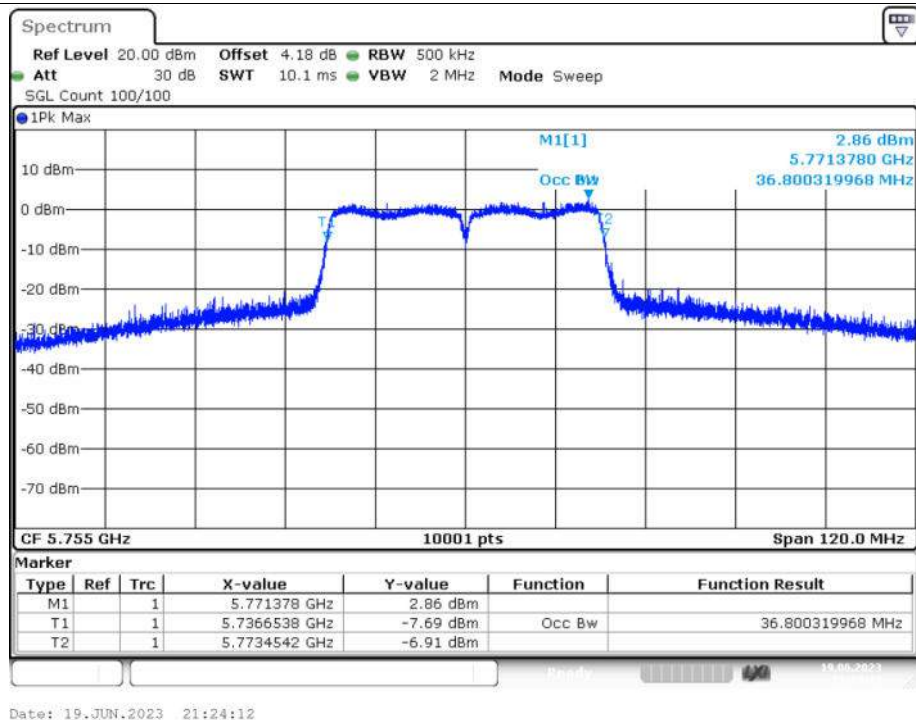
OBW NVNT ac20 5825MHz Ant2



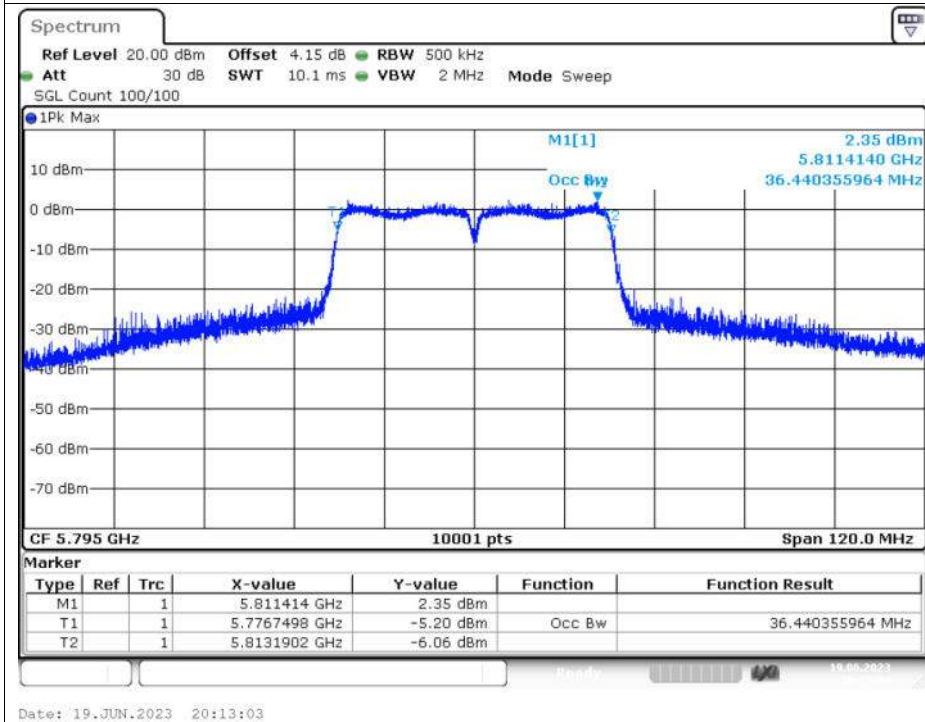
OBW NVNT ac40 5755MHz Ant1



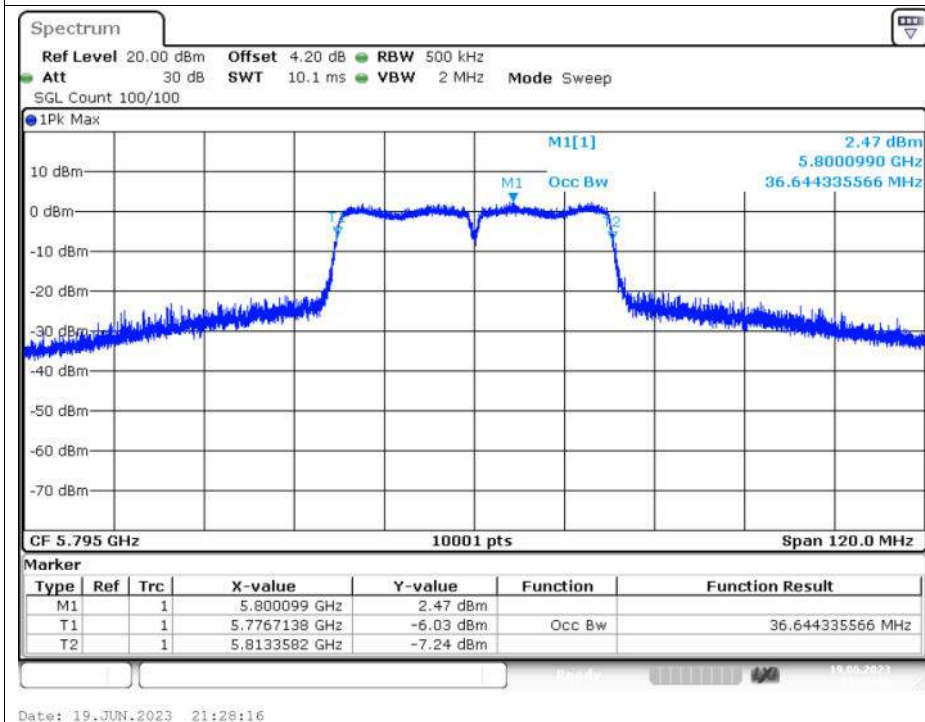
OBW NVNT ac40 5755MHz Ant2



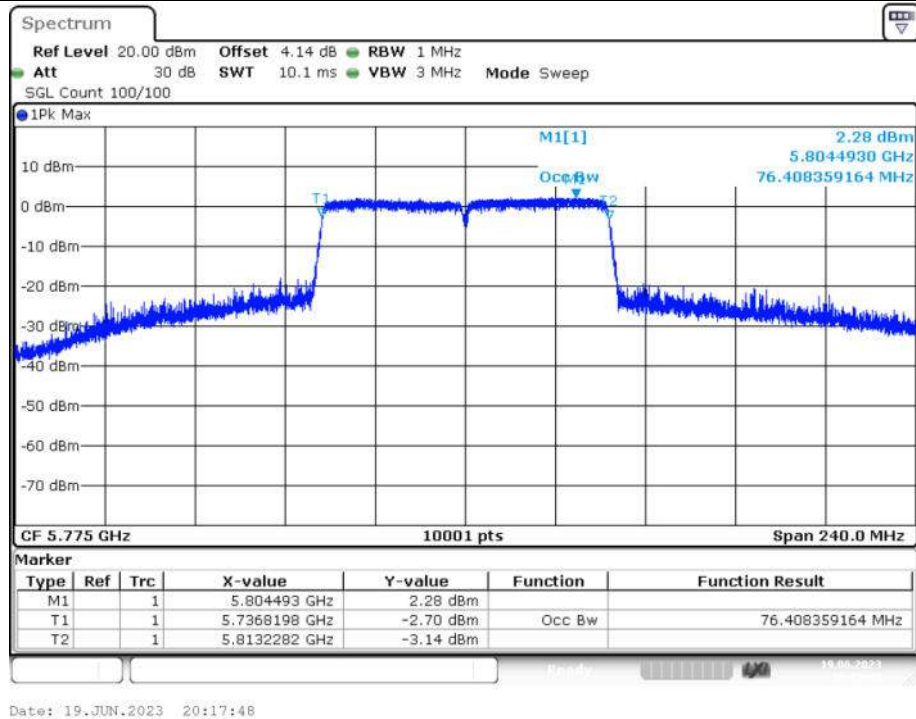
OBW NVNT ac40 5795MHz Ant1



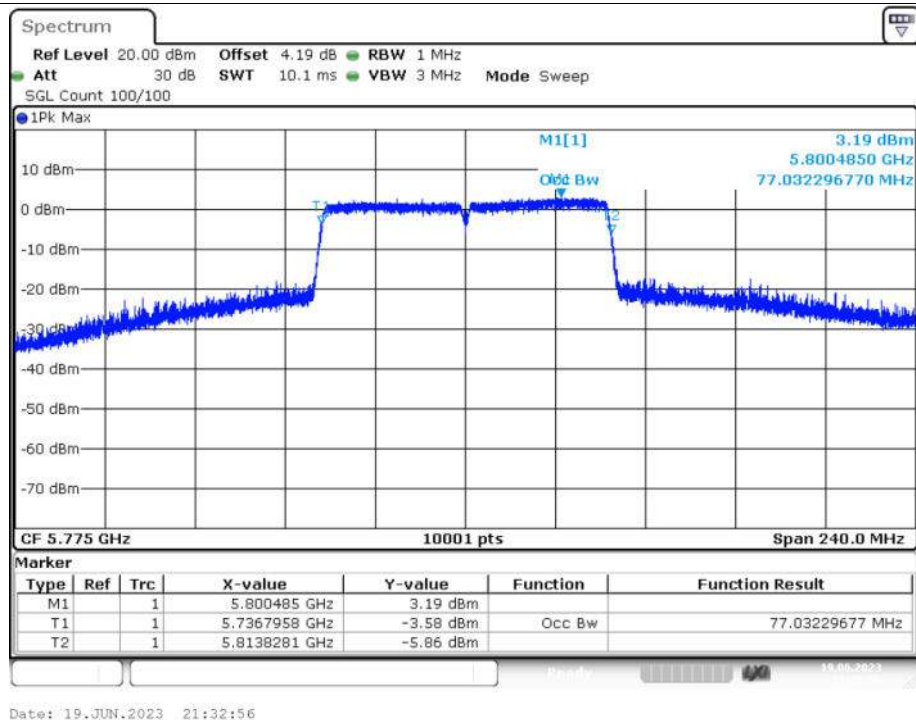
OBW NVNT ac40 5795MHz Ant2



OBW NVNT ac80 5775MHz Ant1



OBW NVNT ac80 5775MHz Ant2



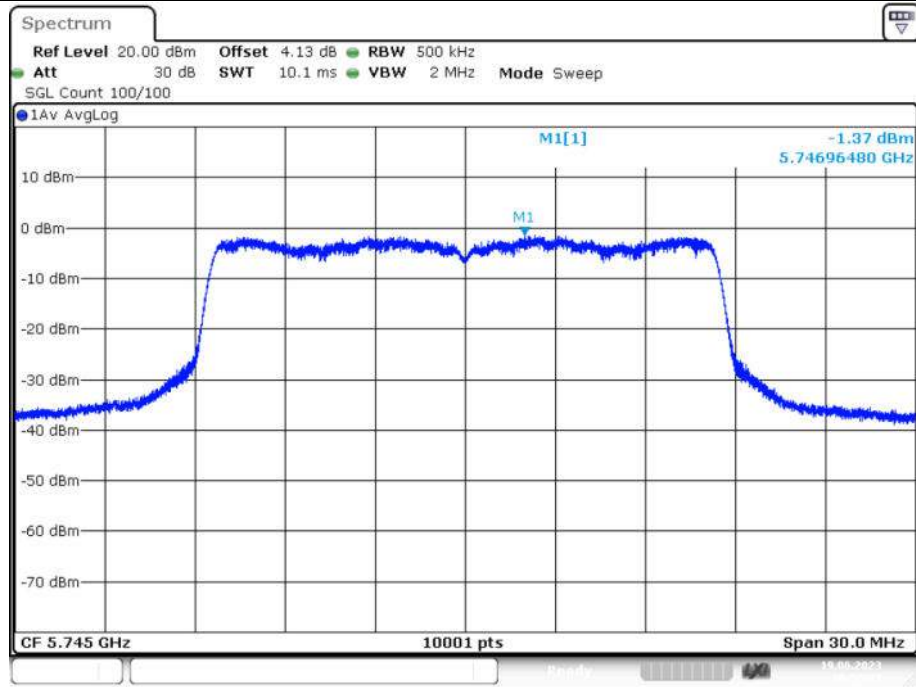
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-1.37	0	-1.37	30	Pass
NVNT	a	5745	Ant2	-3.53	0	-3.53	30	Pass
NVNT	a	5785	Ant1	-1.22	0	-1.22	30	Pass
NVNT	a	5785	Ant2	-2.96	0	-2.96	30	Pass
NVNT	a	5825	Ant1	-6.69	0	-6.69	30	Pass
NVNT	a	5825	Ant2	-1.84	0	-1.84	30	Pass
NVNT	n20	5745	Ant1	-3.11	0	-3.11	30	Pass
NVNT	n20	5745	Ant2	-3.58	0	-3.58	30	Pass
NVNT	n20	5745	Sum	-0.33	-	-0.33	30	Pass
NVNT	n20	5785	Ant1	-3.22	0	-3.22	30	Pass
NVNT	n20	5785	Ant2	-2.8	0	-2.8	30	Pass
NVNT	n20	5785	Sum	0.01	-	0.01	30	Pass
NVNT	n20	5825	Ant1	-4.33	0	-4.33	30	Pass
NVNT	n20	5825	Ant2	-2.91	0	-2.91	30	Pass
NVNT	n20	5825	Sum	-0.55	-	-0.55	30	Pass
NVNT	n40	5755	Ant1	-6.62	0	-6.62	30	Pass
NVNT	n40	5755	Ant2	-6.15	0	-6.15	30	Pass
NVNT	n40	5755	Sum	-3.37	-	-3.37	30	Pass
NVNT	n40	5795	Ant1	-6.7	0	-6.7	30	Pass
NVNT	n40	5795	Ant2	-5.86	0	-5.86	30	Pass
NVNT	n40	5795	Sum	-3.25	-	-3.25	30	Pass
NVNT	ac20	5745	Ant1	-3.3	0	-3.3	30	Pass
NVNT	ac20	5745	Ant2	-3.4	0	-3.4	30	Pass
NVNT	ac20	5745	Sum	-0.34	-	-0.34	30	Pass
NVNT	ac20	5785	Ant1	-3.44	0	-3.44	30	Pass
NVNT	ac20	5785	Ant2	-3.1	0	-3.1	30	Pass
NVNT	ac20	5785	Sum	-0.26	-	-0.26	30	Pass
NVNT	ac20	5825	Ant1	-3.89	0	-3.89	30	Pass
NVNT	ac20	5825	Ant2	-2.92	0	-2.92	30	Pass
NVNT	ac20	5825	Sum	-0.37	-	-0.37	30	Pass
NVNT	ac40	5755	Ant1	-6.91	0	-6.91	30	Pass
NVNT	ac40	5755	Ant2	-6.34	0	-6.34	30	Pass
NVNT	ac40	5755	Sum	-3.61	-	-3.61	30	Pass
NVNT	ac40	5795	Ant1	-6.72	0	-6.72	30	Pass
NVNT	ac40	5795	Ant2	-5.71	0	-5.71	30	Pass
NVNT	ac40	5795	Sum	-3.18	-	-3.18	30	Pass
NVNT	ac80	5775	Ant1	-9.66	0	-9.66	30	Pass
NVNT	ac80	5775	Ant2	-9.27	0	-9.27	30	Pass

NVNT	ac80	5775	Sum	-6.45	-	-6.45	30	Pass
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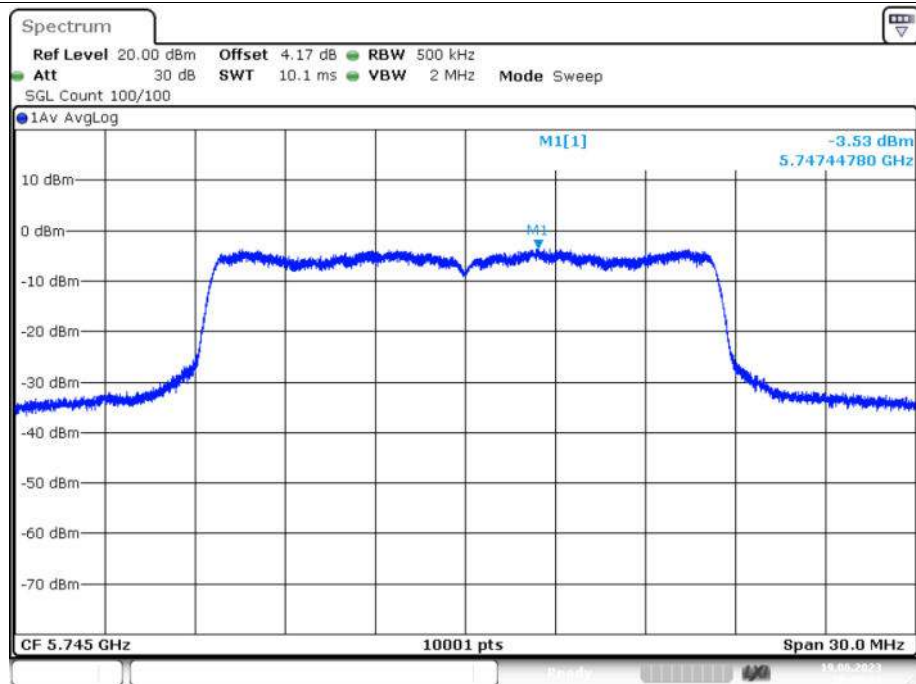
Test Graphs

PSD NVNT a 5745MHz Ant1



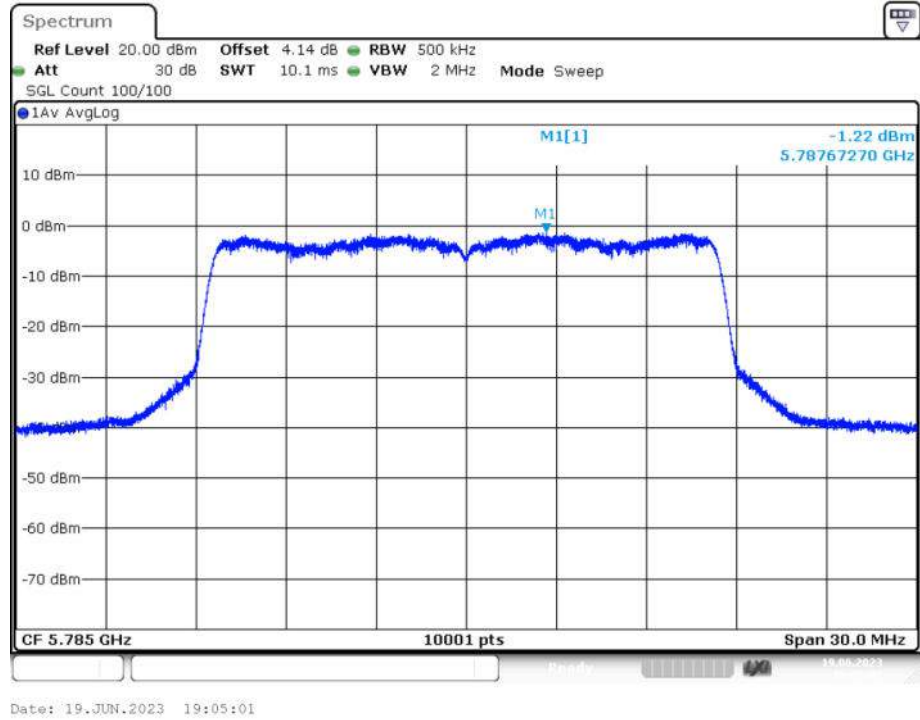
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PSD NVNT a 5745MHz Ant2

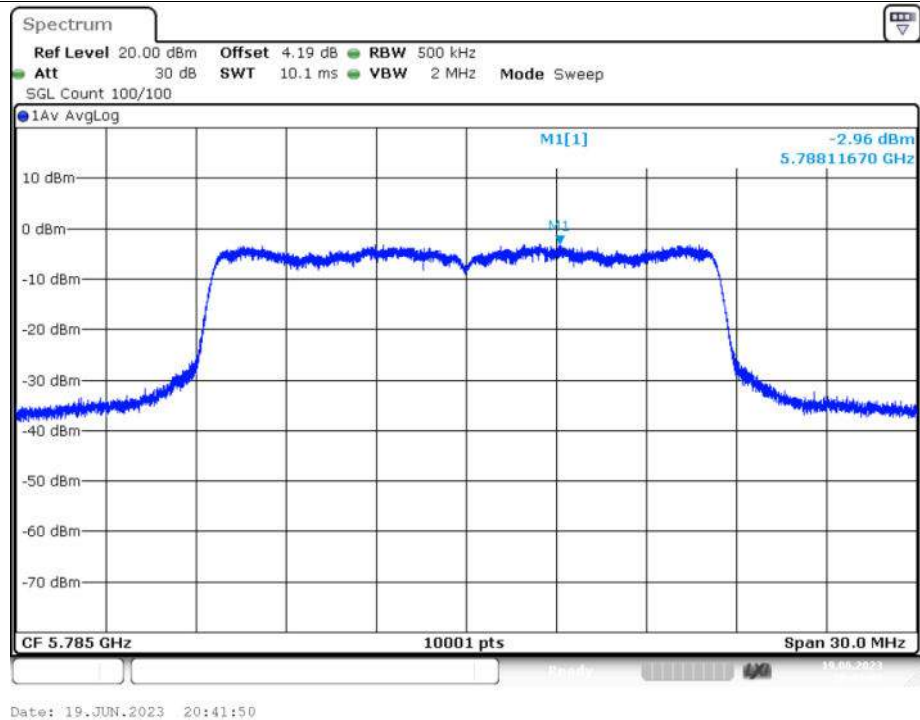


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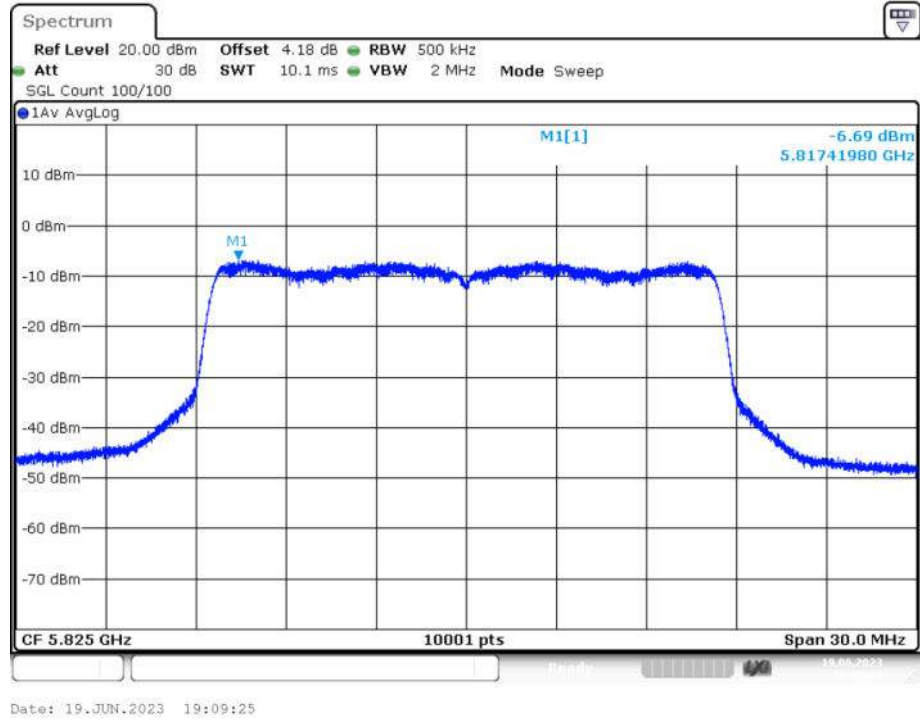
PSD NVNT a 5785MHz Ant1



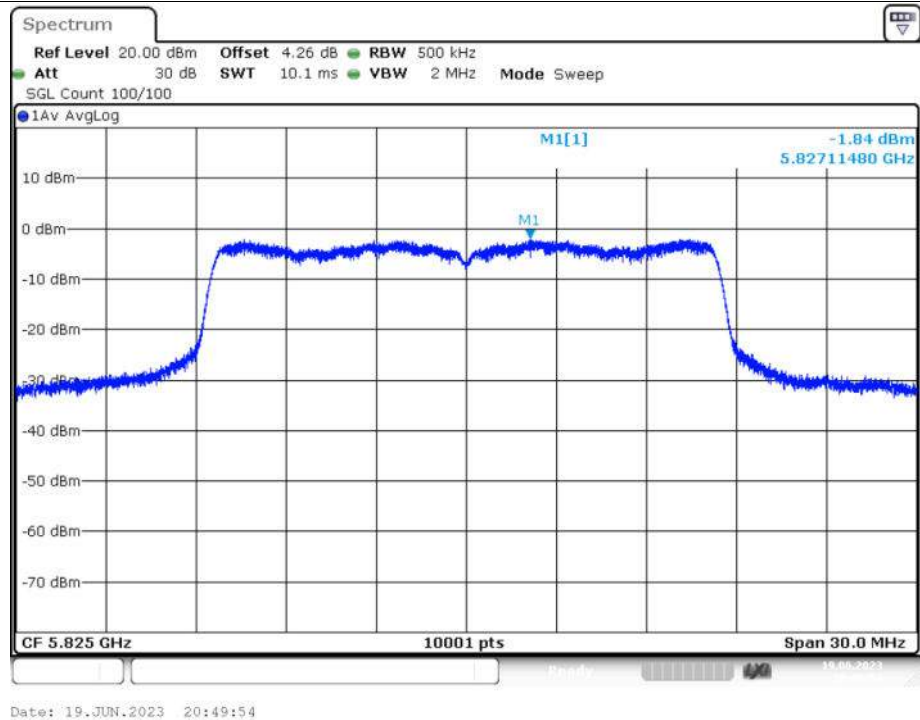
PSD NVNT a 5785MHz Ant2

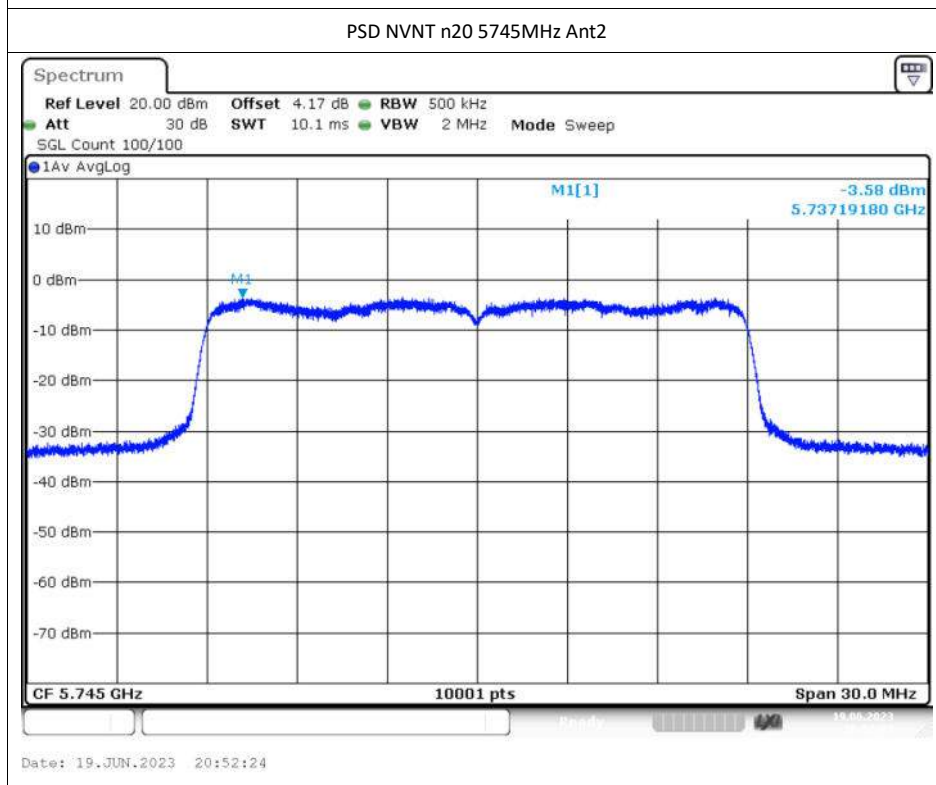
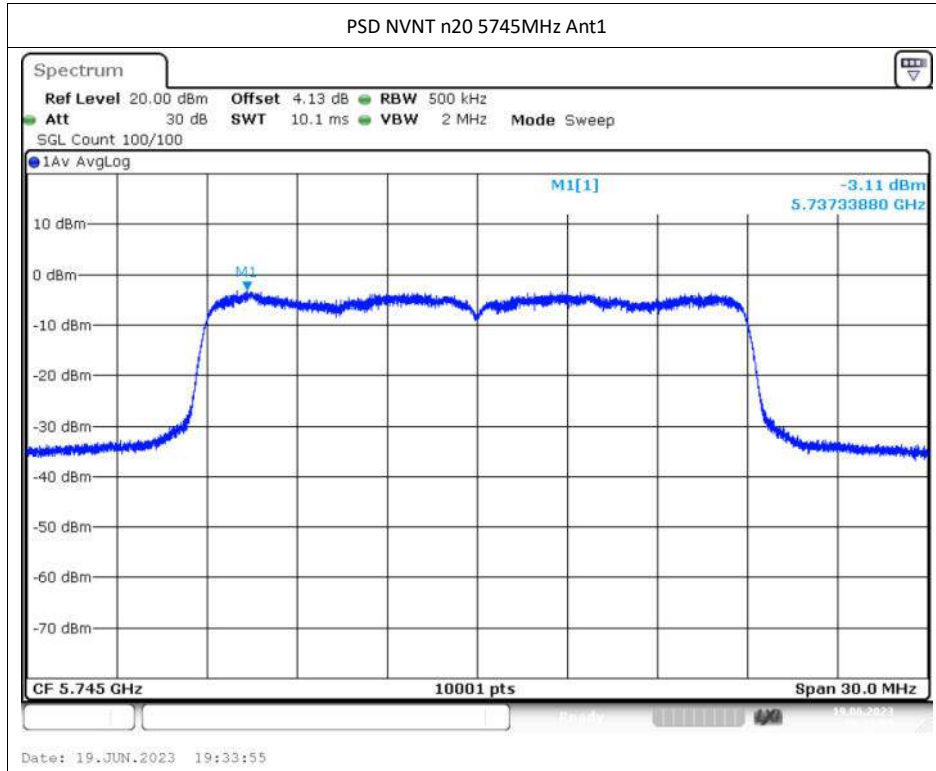


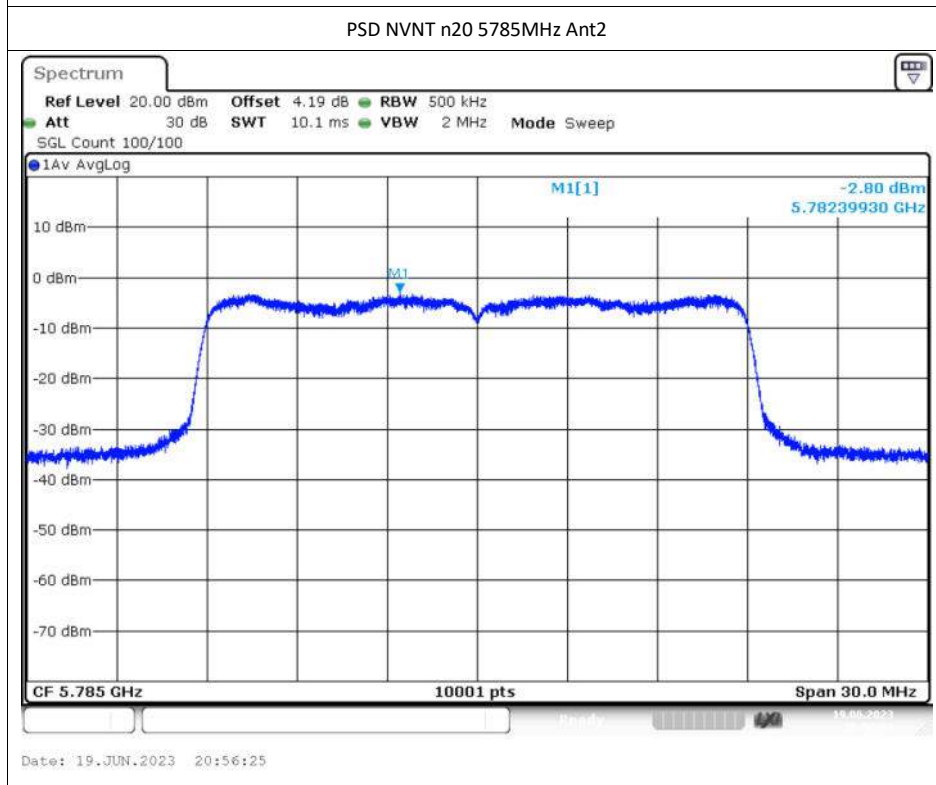
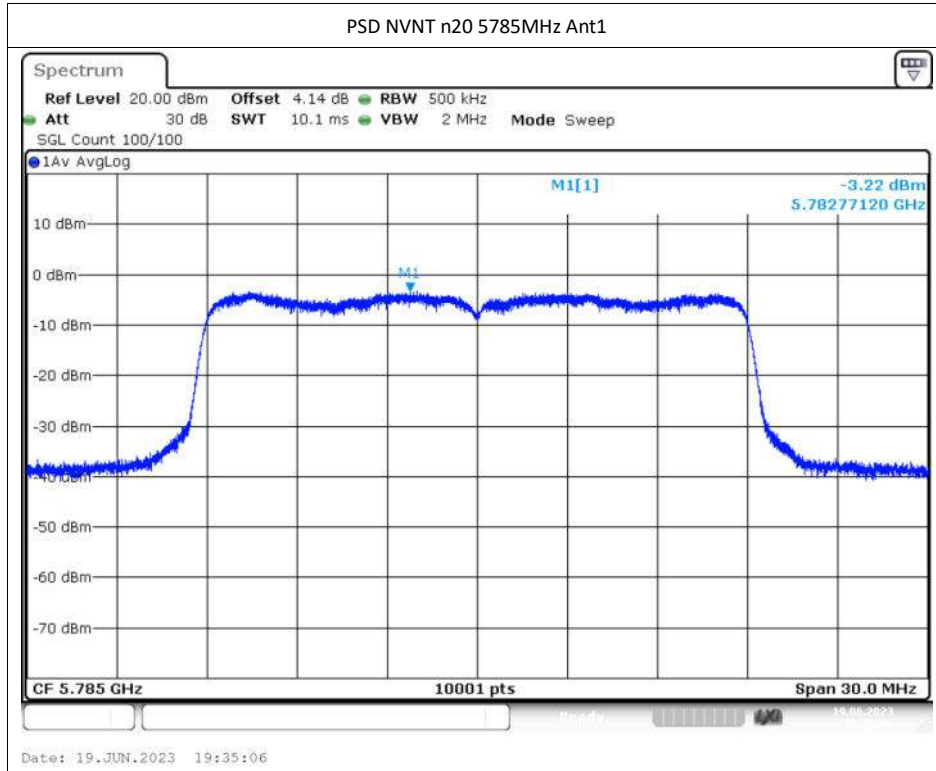
PSD NVNT a 5825MHz Ant1

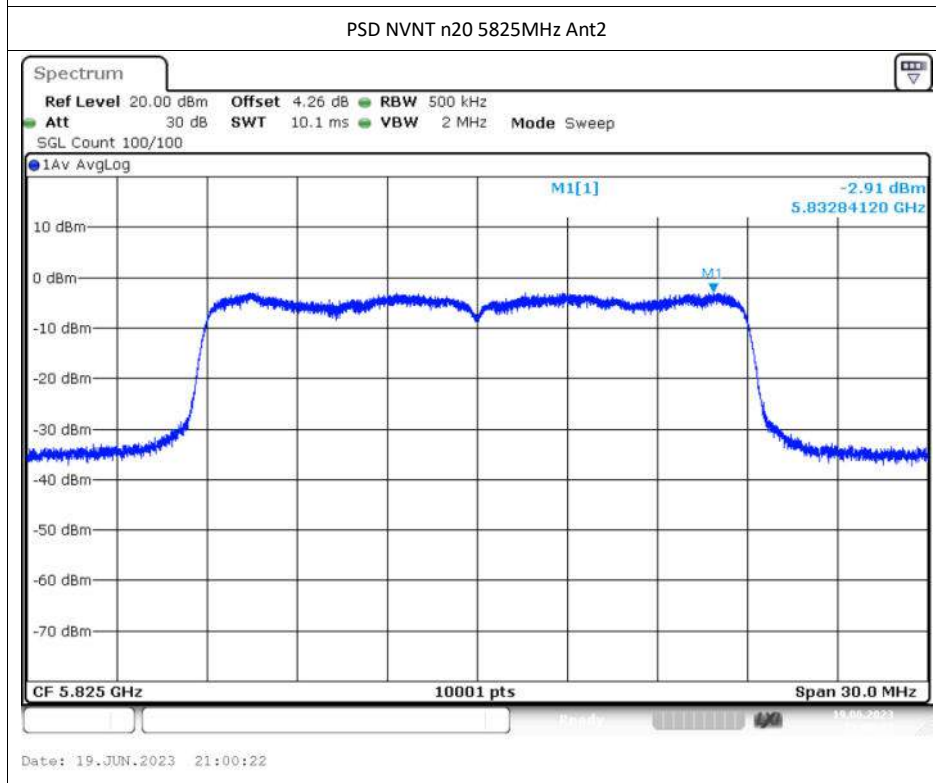
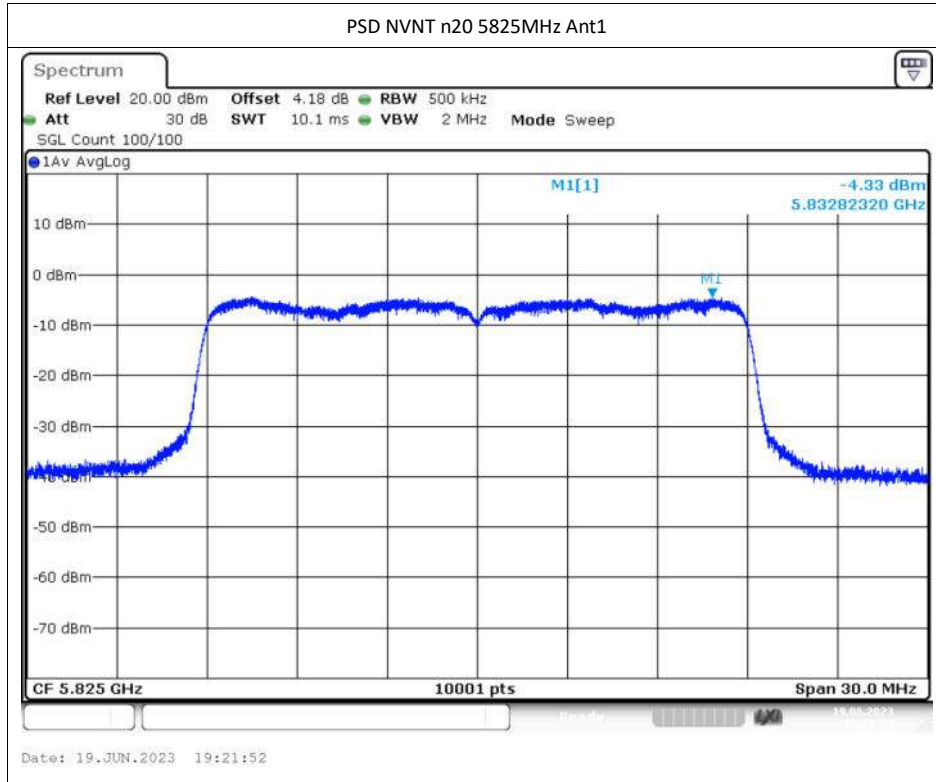


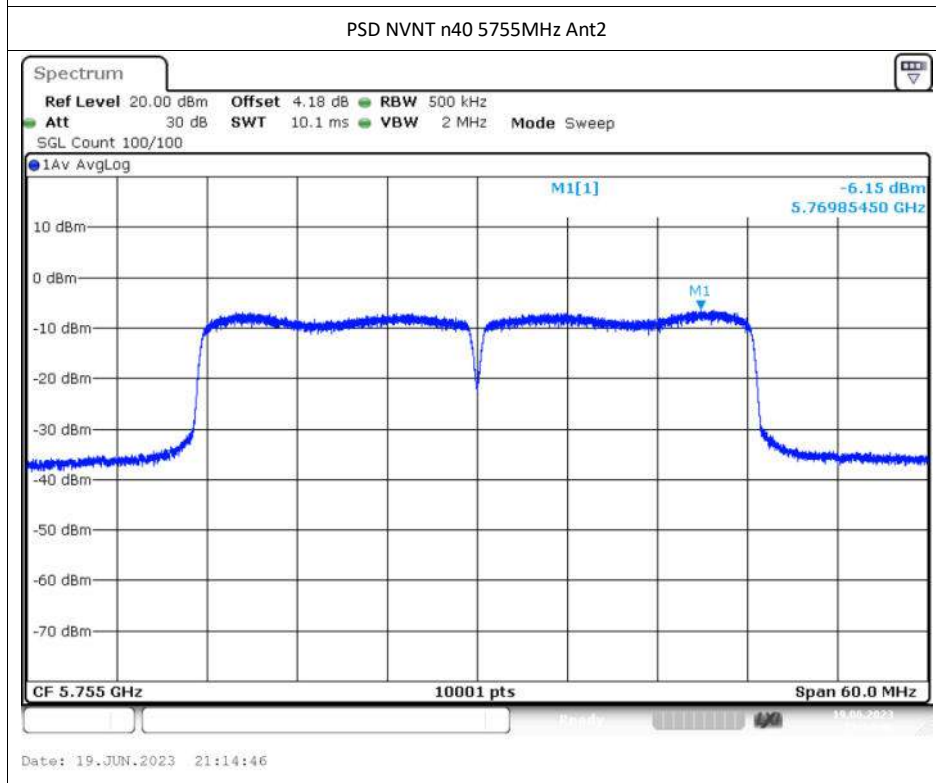
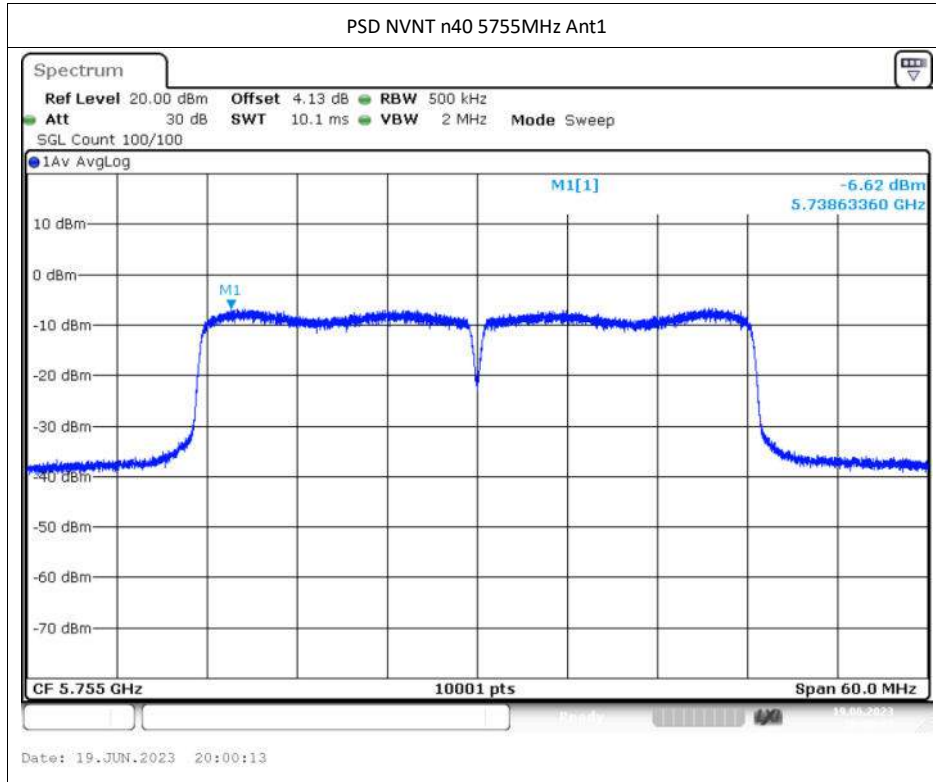
PSD NVNT a 5825MHz Ant2

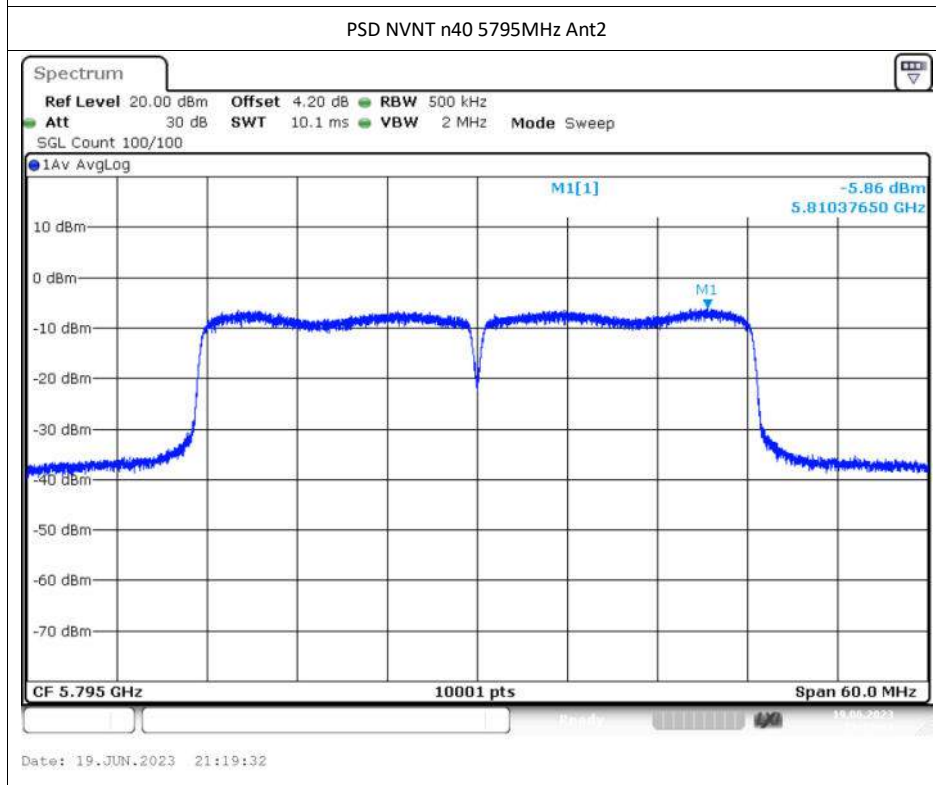
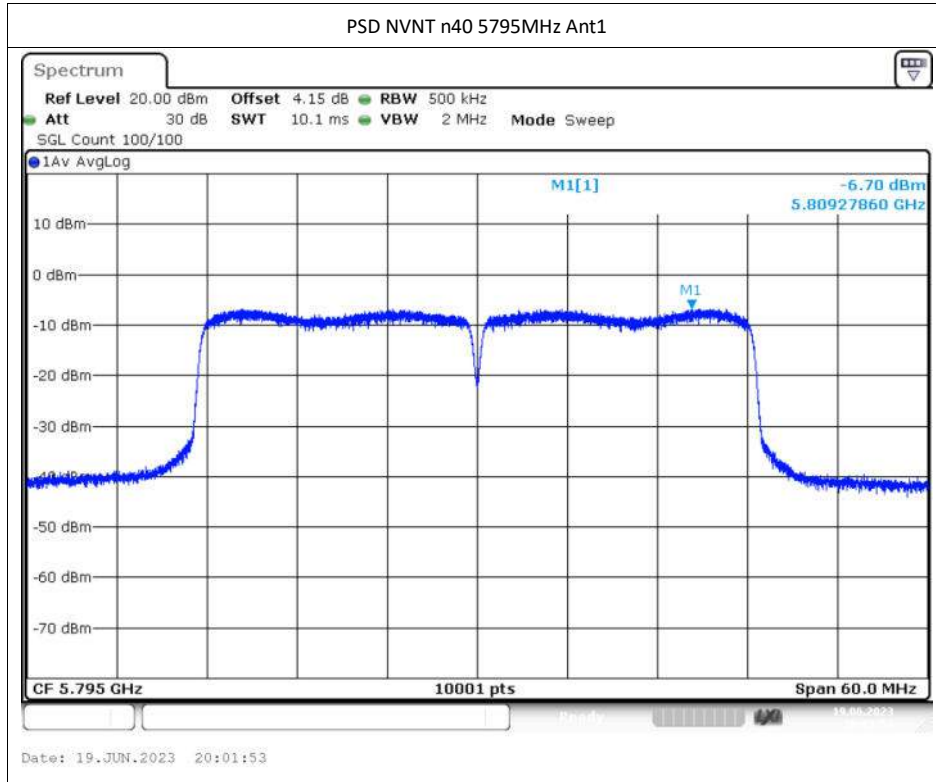




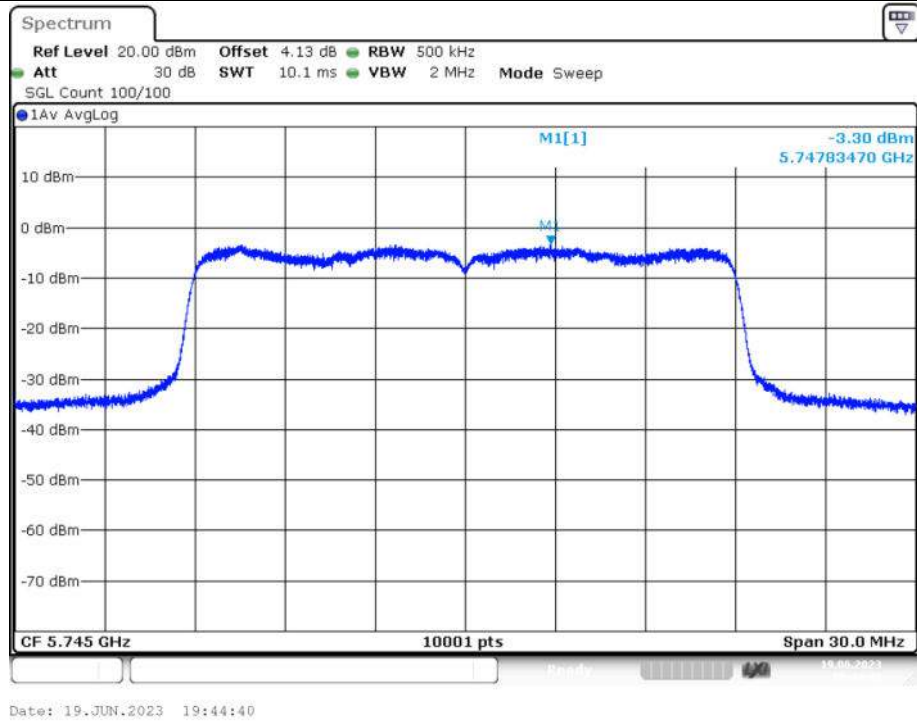




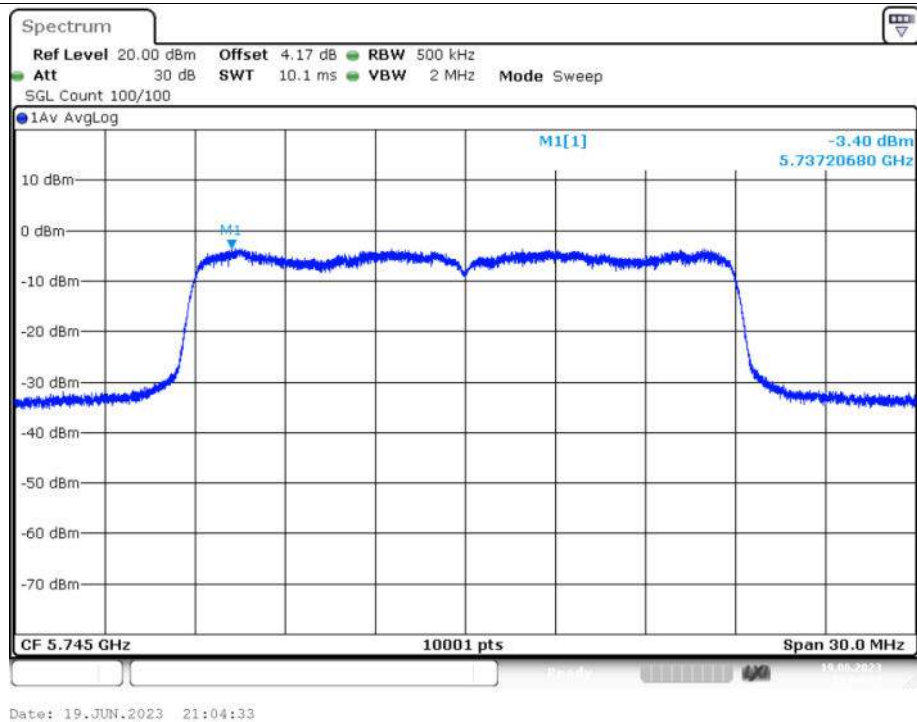




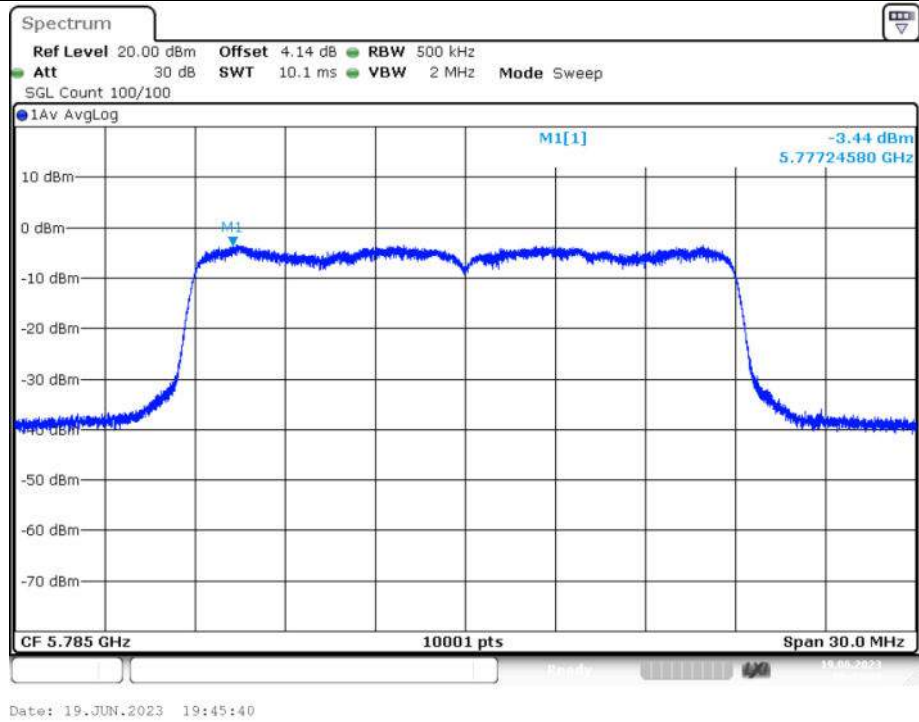
PSD NVNT ac20 5745MHz Ant1



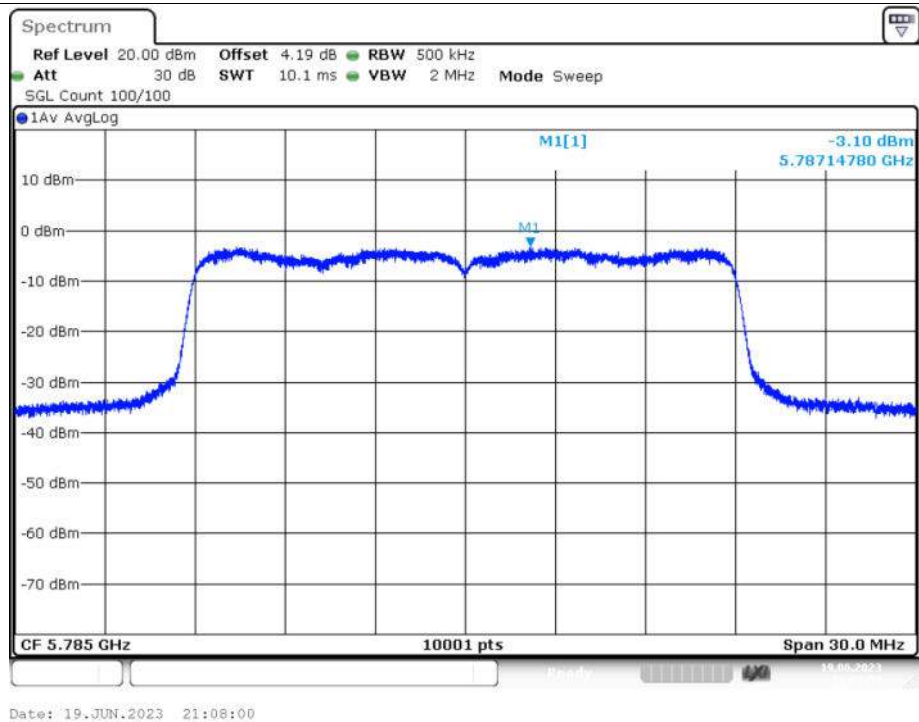
PSD NVNT ac20 5745MHz Ant2



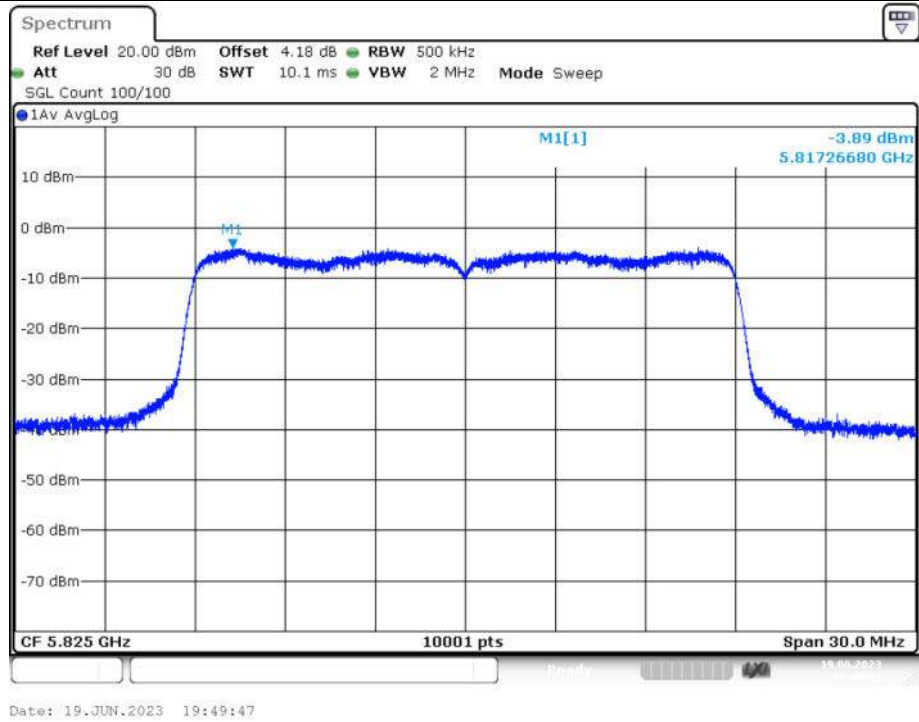
PSD NVNT ac20 5785MHz Ant1



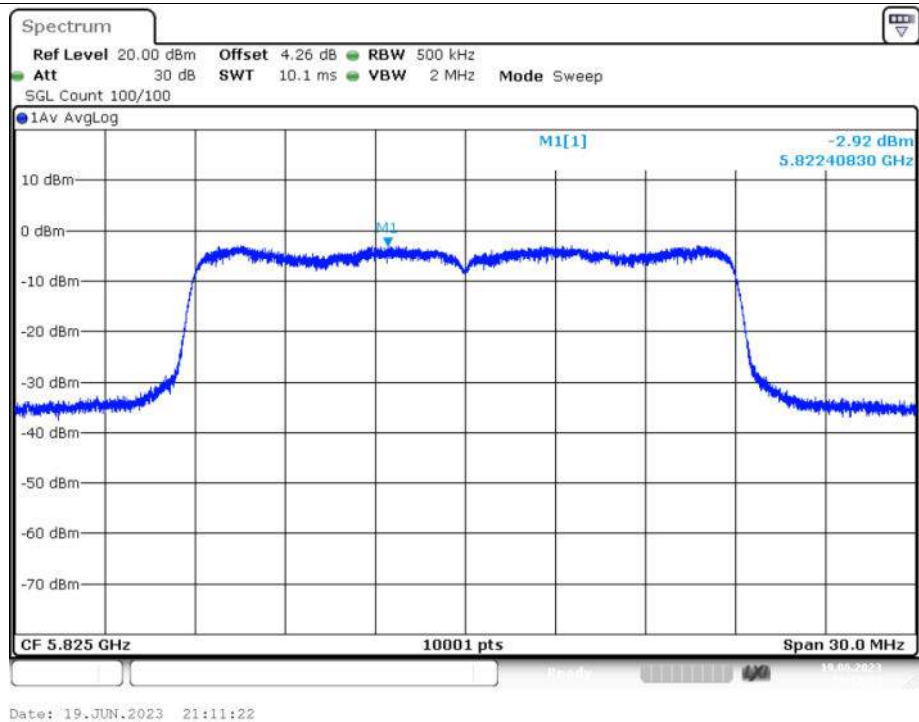
PSD NVNT ac20 5785MHz Ant2

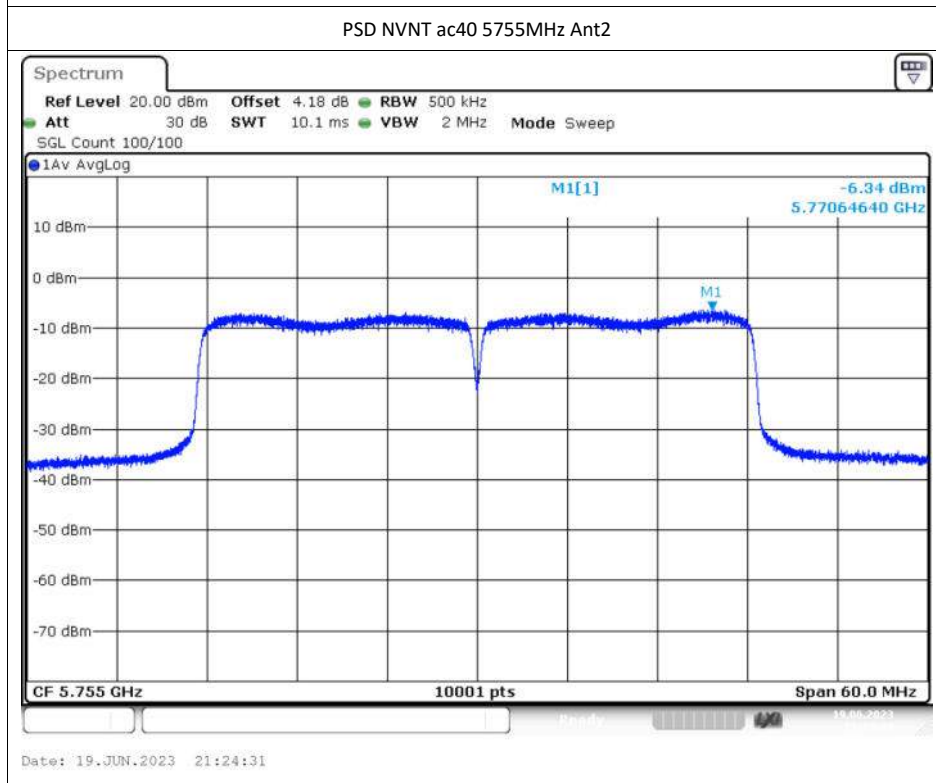
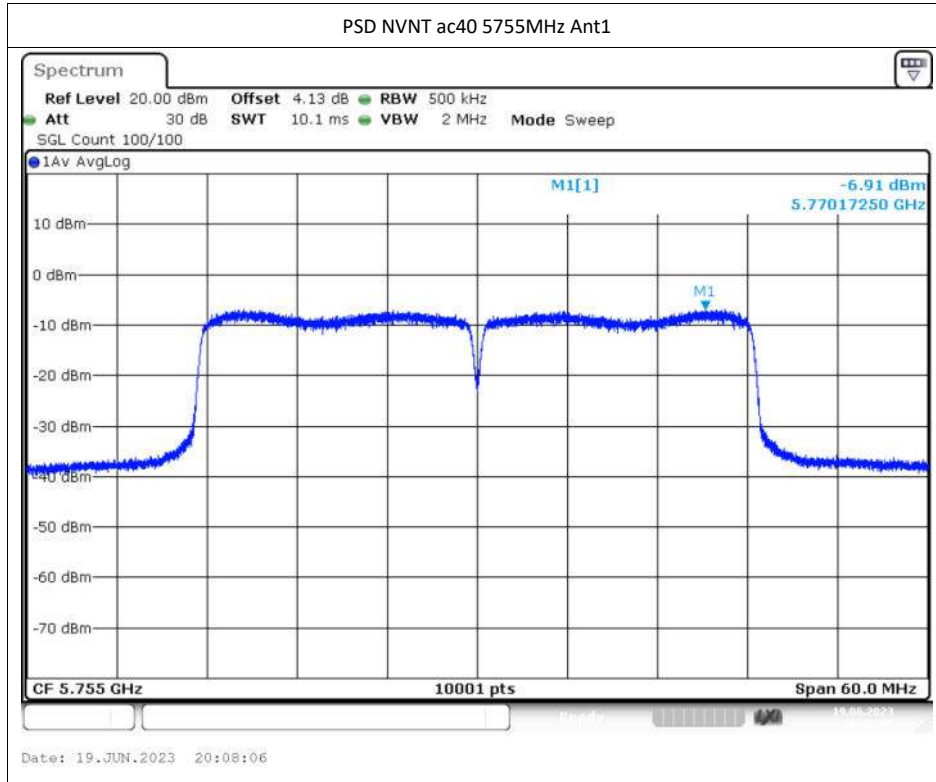


PSD NVNT ac20 5825MHz Ant1

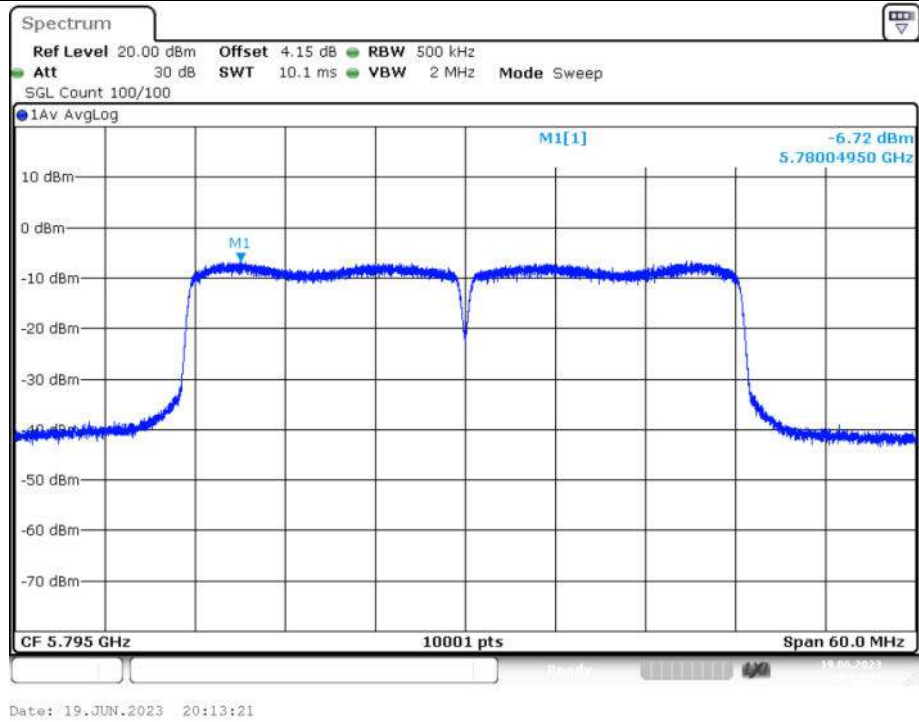


PSD NVNT ac20 5825MHz Ant2

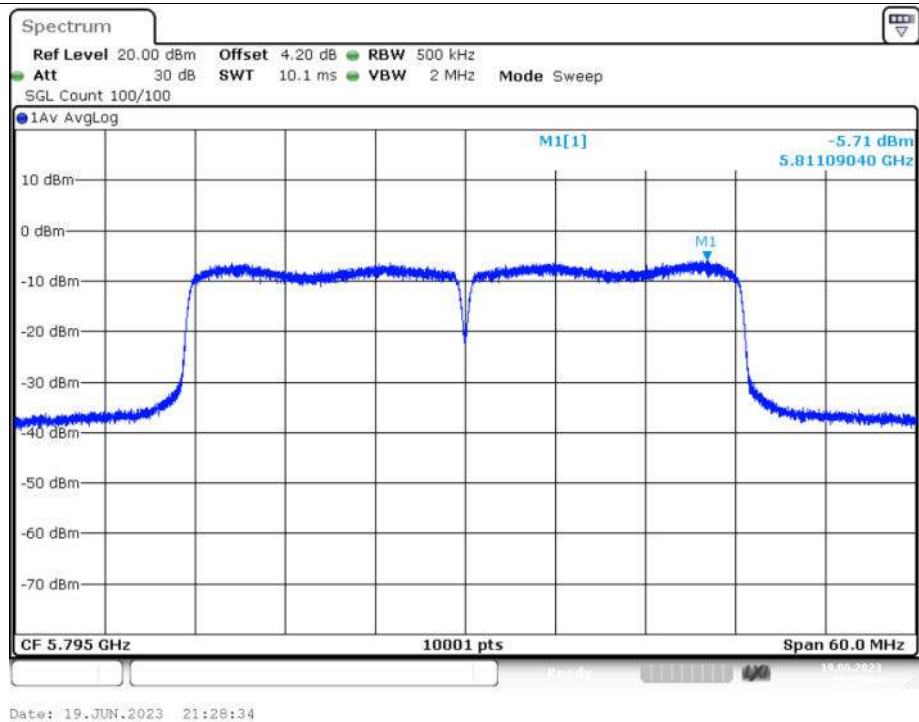


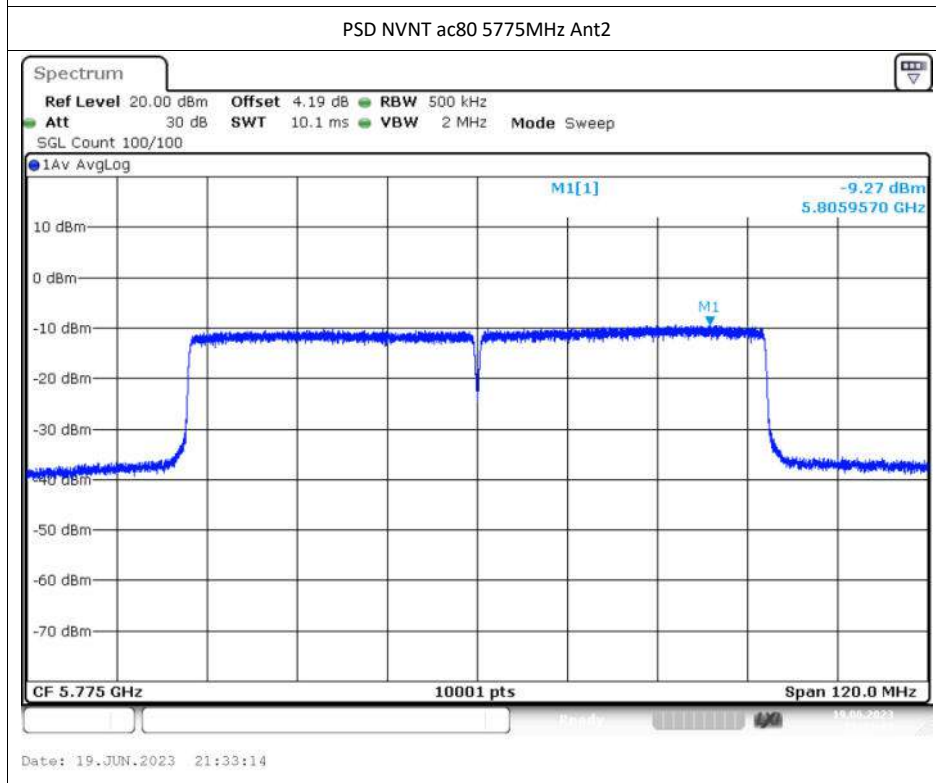
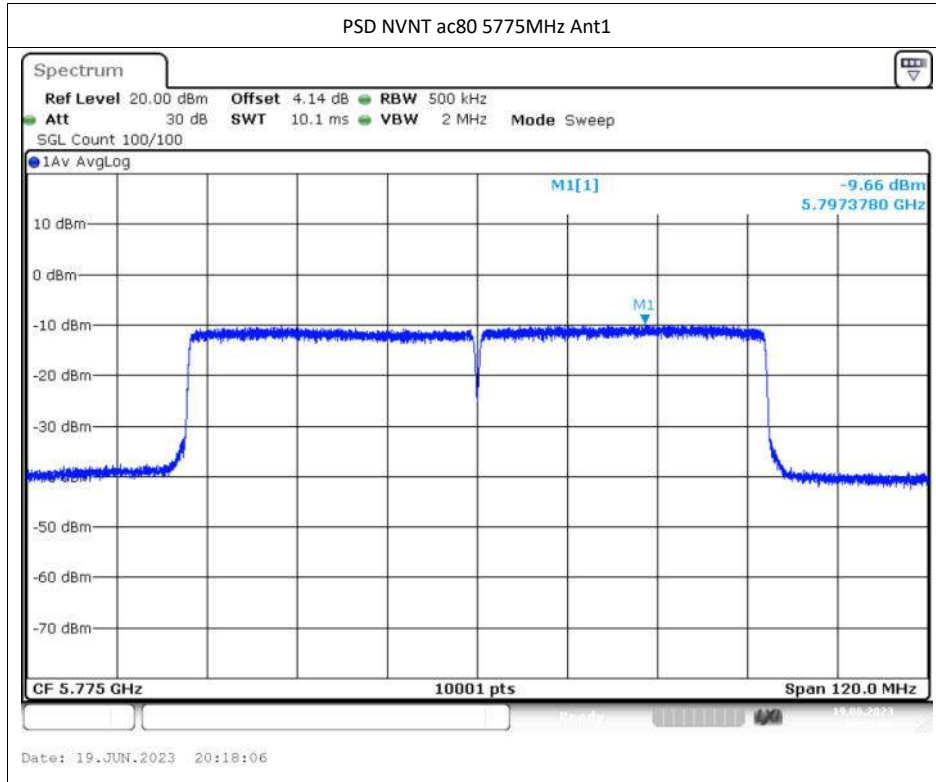


PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac40 5795MHz Ant2





Frequency Stability

Condition	Mode	Time (mins)	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 20.4V	a	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 24V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 27.6V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 24V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 24V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
0C 24V	a	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
10C 24V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
30C 24V	a	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40C 24V	a	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
50C 24V	a	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 20.4V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 24V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 27.6V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-20C 24V	a	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10C 24V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
0C 24V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
10C 24V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
30C 24V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
40C 24V	a	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 24V	a	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 20.4V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 24V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 27.6V	a	0	5825	Ant1	5824.94	-60000	-10.3	25	Pass
-20C 24V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
-10C 24V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 24V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
10C 24V	a	0	5825	Ant1	5825	0	0	25	Pass
30C 24V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
40C 24V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
50C 24V	a	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass

20.4V									
20C 24V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
20C 27.6V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
-20C 24V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
-10C 24V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
0C 24V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
10C 24V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
30C 24V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
40C 24V	a	0	5745	Ant2	5744.94	-60000	-10.44	25	Pass
50C 24V	a	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
20C 20.4V	a	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 24V	a	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
20C 27.6V	a	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
-20C 24V	a	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
-10C 24V	a	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
0C 24V	a	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
10C 24V	a	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
30C 24V	a	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
40C 24V	a	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
50C 24V	a	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
20C 20.4V	a	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 24V	a	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
20C 27.6V	a	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-20C 24V	a	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10C 24V	a	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
0C 24V	a	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
10C 24V	a	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
30C 24V	a	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40C 24V	a	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
50C 24V	a	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
20C 20.4V	n20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 24V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 27.6V	n20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
-20C 24V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass

-10C 24V	n20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
0C 24V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 24V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
30C 24V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40C 24V	n20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 24V	n20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 20.4V	n20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 24V	n20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 27.6V	n20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-20C 24V	n20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10C 24V	n20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
0C 24V	n20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
10C 24V	n20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
30C 24V	n20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
40C 24V	n20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 24V	n20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 20.4V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 24V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 27.6V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 24V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 24V	n20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 24V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
10C 24V	n20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
30C 24V	n20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
40C 24V	n20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50C 24V	n20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 20.4V	n20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 24V	n20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 27.6V	n20	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
-20C 24V	n20	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
-10C 24V	n20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
0C 24V	n20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
10C 24V	n20	0	5745	Ant2	5744.94	-60000	-10.44	25	Pass
30C 24V	n20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
40C 24V	n20	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass

50C 24V	n20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 20.4V	n20	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
20C 24V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 27.6V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
-20C 24V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
-10C 24V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
0C 24V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
10C 24V	n20	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
30C 24V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
40C 24V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
50C 24V	n20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 20.4V	n20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
20C 24V	n20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 27.6V	n20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-20C 24V	n20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10C 24V	n20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
0C 24V	n20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
10C 24V	n20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
30C 24V	n20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40C 24V	n20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
50C 24V	n20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
20C 20.4V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 27.6V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-20C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-10C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
0C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
40C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
50C 24V	n40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 20.4V	n40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 24V	n40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C	n40	0	5795	Ant1	5795	0	0	25	Pass

27.6V									
-20C 24V	n40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-10C 24V	n40	0	5795	Ant1	5795	0	0	25	Pass
0C 24V	n40	0	5795	Ant1	5795	0	0	25	Pass
10C 24V	n40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
30C 24V	n40	0	5795	Ant1	5795	0	0	25	Pass
40C 24V	n40	0	5795	Ant1	5795	0	0	25	Pass
50C 24V	n40	0	5795	Ant1	5795	0	0	25	Pass
20C 20.4V	n40	0	5755	Ant2	5755	0	0	25	Pass
20C 24V	n40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20C 27.6V	n40	0	5755	Ant2	5755	0	0	25	Pass
-20C 24V	n40	0	5755	Ant2	5755	0	0	25	Pass
-10C 24V	n40	0	5755	Ant2	5754.92	-80000	-13.9	25	Pass
0C 24V	n40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
10C 24V	n40	0	5755	Ant2	5755	0	0	25	Pass
30C 24V	n40	0	5755	Ant2	5755	0	0	25	Pass
40C 24V	n40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
50C 24V	n40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20C 20.4V	n40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
20C 24V	n40	0	5795	Ant2	5795	0	0	25	Pass
20C 27.6V	n40	0	5795	Ant2	5795	0	0	25	Pass
-20C 24V	n40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
-10C 24V	n40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
0C 24V	n40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
10C 24V	n40	0	5795	Ant2	5795	0	0	25	Pass
30C 24V	n40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
40C 24V	n40	0	5795	Ant2	5795	0	0	25	Pass
50C 24V	n40	0	5795	Ant2	5795	0	0	25	Pass
20C 20.4V	ac20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 24V	ac20	0	5745	Ant1	5744.94	-60000	-10.44	25	Pass
20C 27.6V	ac20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 24V	ac20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 24V	ac20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
0C 24V	ac20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 24V	ac20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass

30C 24V	ac20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
40C 24V	ac20	0	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 24V	ac20	0	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 20.4V	ac20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 24V	ac20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 27.6V	ac20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-20C 24V	ac20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10C 24V	ac20	0	5785	Ant1	5784.94	-60000	-10.37	25	Pass
0C 24V	ac20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
10C 24V	ac20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
30C 24V	ac20	0	5785	Ant1	5784.96	-40000	-6.91	25	Pass
40C 24V	ac20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 24V	ac20	0	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 20.4V	ac20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 24V	ac20	0	5825	Ant1	5824.94	-60000	-10.3	25	Pass
20C 27.6V	ac20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
-20C 24V	ac20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 24V	ac20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 24V	ac20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
10C 24V	ac20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 24V	ac20	0	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 24V	ac20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
50C 24V	ac20	0	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 20.4V	ac20	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
20C 24V	ac20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 27.6V	ac20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
-20C 24V	ac20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
-10C 24V	ac20	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
0C 24V	ac20	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
10C 24V	ac20	0	5745	Ant2	5744.94	-60000	-10.44	25	Pass
30C 24V	ac20	0	5745	Ant2	5744.96	-40000	-6.96	25	Pass
40C 24V	ac20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
50C 24V	ac20	0	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 20.4V	ac20	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass

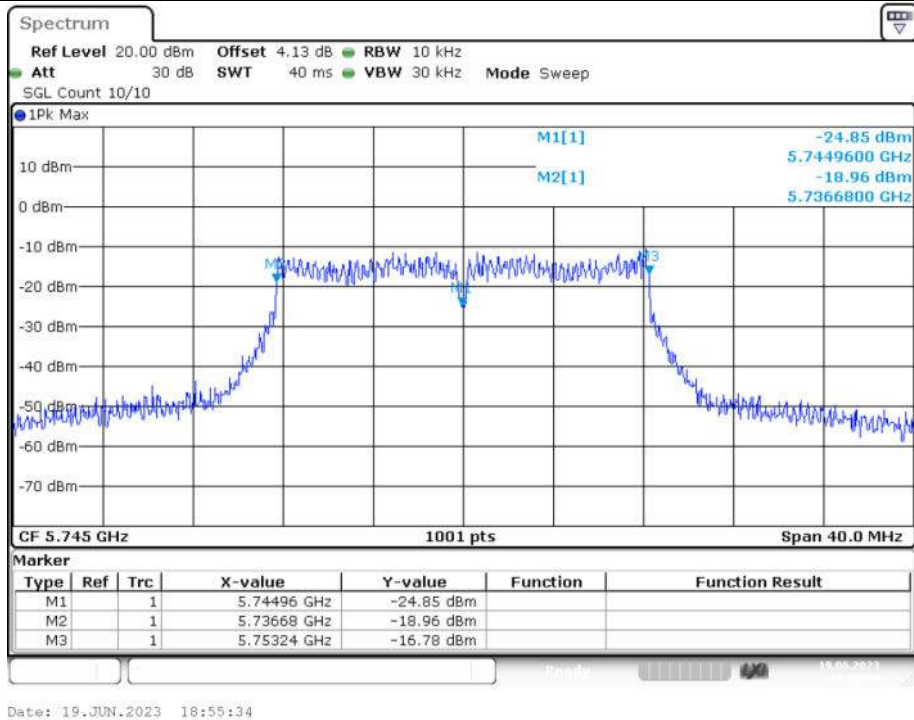
20C 24V	ac20	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
20C 27.6V	ac20	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
-20C 24V	ac20	0	5785	Ant2	5784.94	-60000	-10.37	25	Pass
-10C 24V	ac20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
0C 24V	ac20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
10C 24V	ac20	0	5785	Ant2	5784.96	-40000	-6.91	25	Pass
30C 24V	ac20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
40C 24V	ac20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
50C 24V	ac20	0	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 20.4V	ac20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
20C 24V	ac20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
20C 27.6V	ac20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
-20C 24V	ac20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10C 24V	ac20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
0C 24V	ac20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
10C 24V	ac20	0	5825	Ant2	5824.96	-40000	-6.87	25	Pass
30C 24V	ac20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40C 24V	ac20	0	5825	Ant2	5824.98	-20000	-3.43	25	Pass
50C 24V	ac20	0	5825	Ant2	5825	0	0	25	Pass
20C 20.4V	ac40	0	5755	Ant1	5755	0	0	25	Pass
20C 24V	ac40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 27.6V	ac40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-20C 24V	ac40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-10C 24V	ac40	0	5755	Ant1	5755	0	0	25	Pass
0C 24V	ac40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10C 24V	ac40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 24V	ac40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
40C 24V	ac40	0	5755	Ant1	5755	0	0	25	Pass
50C 24V	ac40	0	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 20.4V	ac40	0	5795	Ant1	5795	0	0	25	Pass
20C 24V	ac40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 27.6V	ac40	0	5795	Ant1	5795	0	0	25	Pass
-20C 24V	ac40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-10C 24V	ac40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass

0C 24V	ac40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
10C 24V	ac40	0	5795	Ant1	5795	0	0	25	Pass
30C 24V	ac40	0	5795	Ant1	5795	0	0	25	Pass
40C 24V	ac40	0	5795	Ant1	5795	0	0	25	Pass
50C 24V	ac40	0	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 20.4V	ac40	0	5755	Ant2	5755	0	0	25	Pass
20C 24V	ac40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20C 27.6V	ac40	0	5755	Ant2	5755	0	0	25	Pass
-20C 24V	ac40	0	5755	Ant2	5755	0	0	25	Pass
-10C 24V	ac40	0	5755	Ant2	5755	0	0	25	Pass
0C 24V	ac40	0	5755	Ant2	5755	0	0	25	Pass
10C 24V	ac40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
30C 24V	ac40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
40C 24V	ac40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
50C 24V	ac40	0	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20C 20.4V	ac40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
20C 24V	ac40	0	5795	Ant2	5795	0	0	25	Pass
20C 27.6V	ac40	0	5795	Ant2	5795	0	0	25	Pass
-20C 24V	ac40	0	5795	Ant2	5795	0	0	25	Pass
-10C 24V	ac40	0	5795	Ant2	5795	0	0	25	Pass
0C 24V	ac40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
10C 24V	ac40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
30C 24V	ac40	0	5795	Ant2	5795	0	0	25	Pass
40C 24V	ac40	0	5795	Ant2	5794.96	-40000	-6.9	25	Pass
50C 24V	ac40	0	5795	Ant2	5795	0	0	25	Pass
20C 20.4V	ac80	0	5775	Ant1	5775	0	0	25	Pass
20C 24V	ac80	0	5775	Ant1	5775	0	0	25	Pass
20C 27.6V	ac80	0	5775	Ant1	5774.92	-80000	-13.85	25	Pass
-20C 24V	ac80	0	5775	Ant1	5774.92	-80000	-13.85	25	Pass
-10C 24V	ac80	0	5775	Ant1	5774.92	-80000	-13.85	25	Pass
0C 24V	ac80	0	5775	Ant1	5774.92	-80000	-13.85	25	Pass
10C 24V	ac80	0	5775	Ant1	5775	0	0	25	Pass
30C 24V	ac80	0	5775	Ant1	5775	0	0	25	Pass
40C 24V	ac80	0	5775	Ant1	5775	0	0	25	Pass
50C 24V	ac80	0	5775	Ant1	5775	0	0	25	Pass

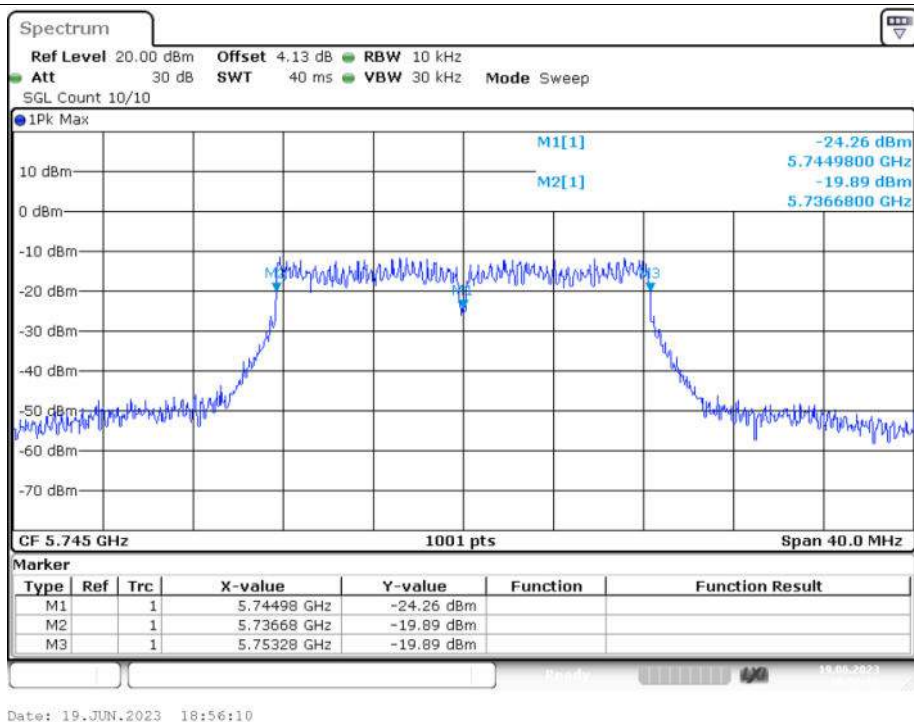
20C 20.4V	ac80	0	5775	Ant2	5775	0	0	25	Pass
20C 24V	ac80	0	5775	Ant2	5775	0	0	25	Pass
20C 27.6V	ac80	0	5775	Ant2	5774.92	-80000	-13.85	25	Pass
-20C 24V	ac80	0	5775	Ant2	5775	0	0	25	Pass
-10C 24V	ac80	0	5775	Ant2	5774.92	-80000	-13.85	25	Pass
0C 24V	ac80	0	5775	Ant2	5775	0	0	25	Pass
10C 24V	ac80	0	5775	Ant2	5775	0	0	25	Pass
30C 24V	ac80	0	5775	Ant2	5775	0	0	25	Pass
40C 24V	ac80	0	5775	Ant2	5775	0	0	25	Pass
50C 24V	ac80	0	5775	Ant2	5775	0	0	25	Pass

Test Graphs

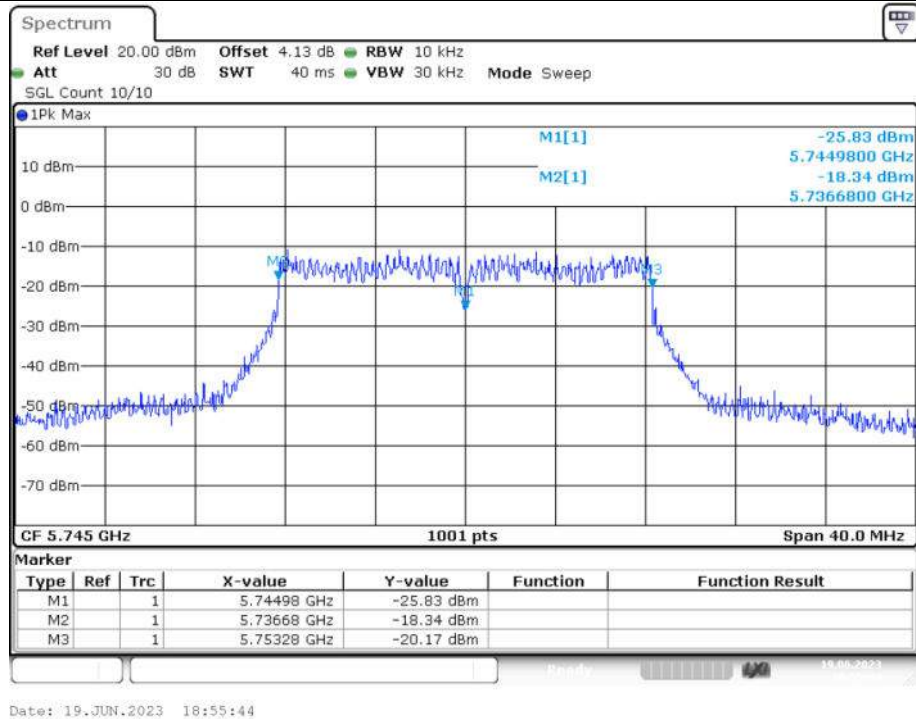
Freq. Stability 20C 20.4V a 5745MHz Ant1 0 Minutes



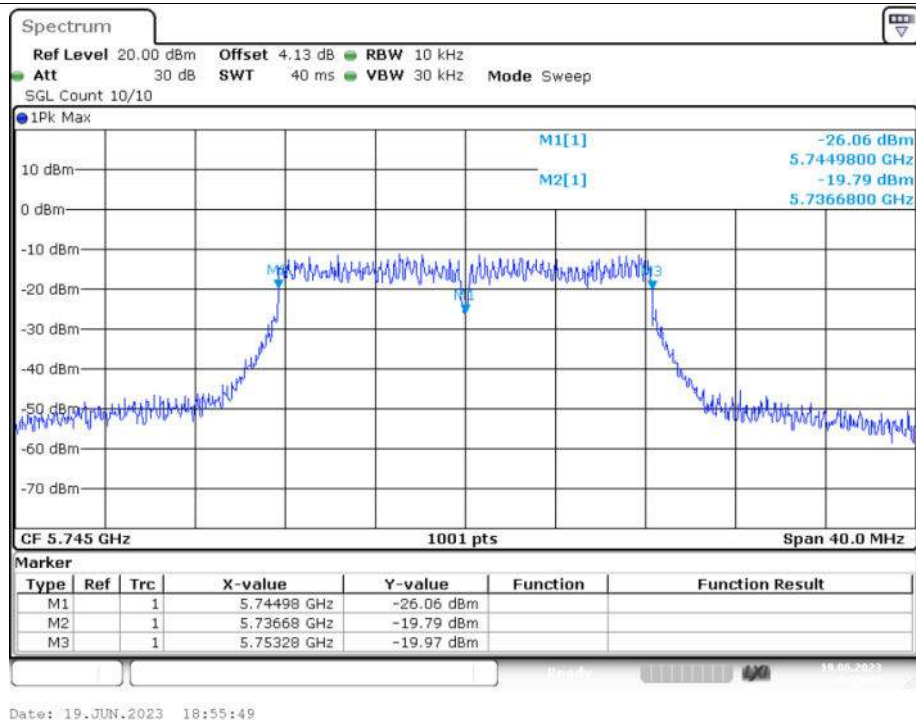
Freq. Stability 20C 24V a 5745MHz Ant1 0 Minutes



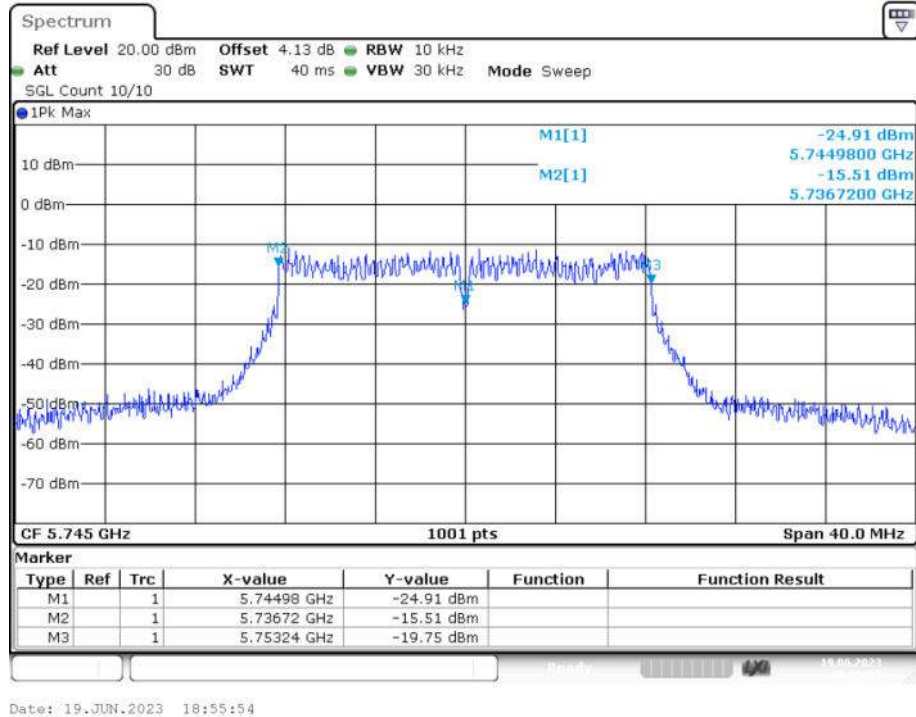
Freq. Stability 20C 27.6V a 5745MHz Ant1 0 Minutes



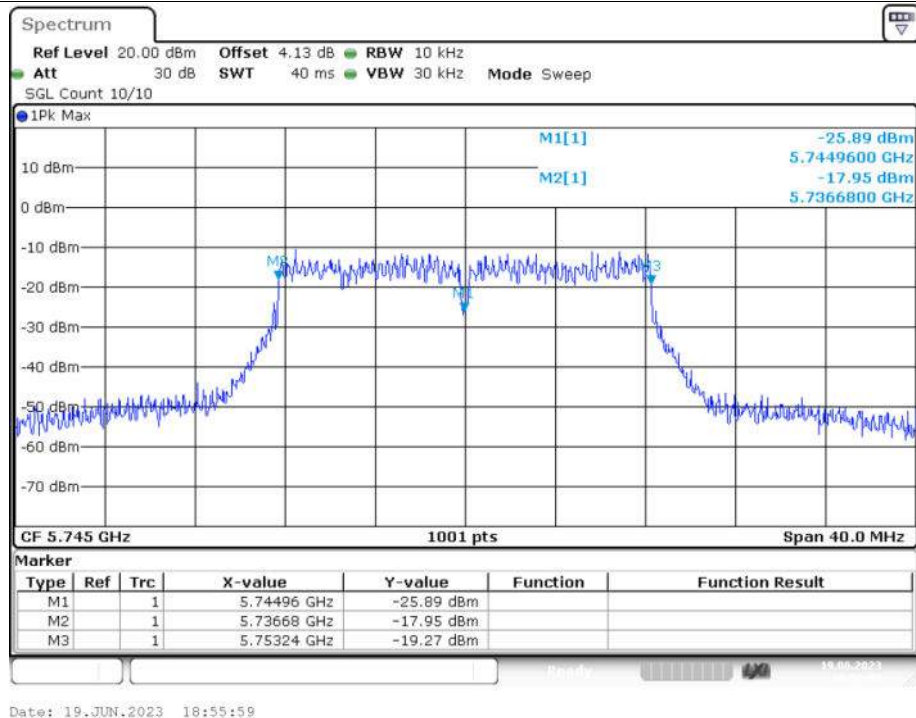
Freq. Stability -20C 24V a 5745MHz Ant1 0 Minutes



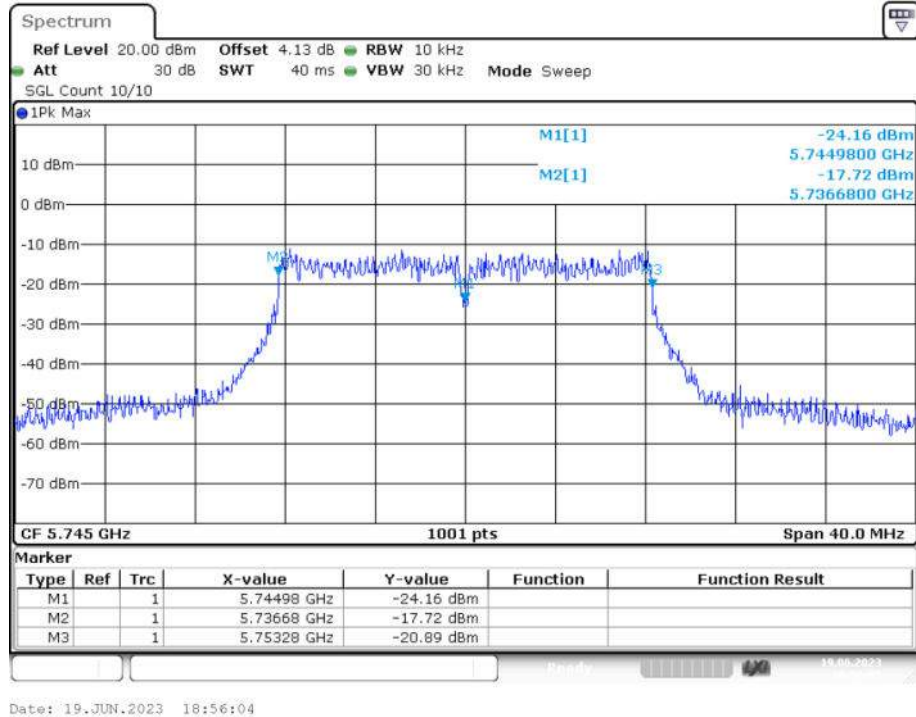
Freq. Stability -10C 24V a 5745MHz Ant1 0 Minutes



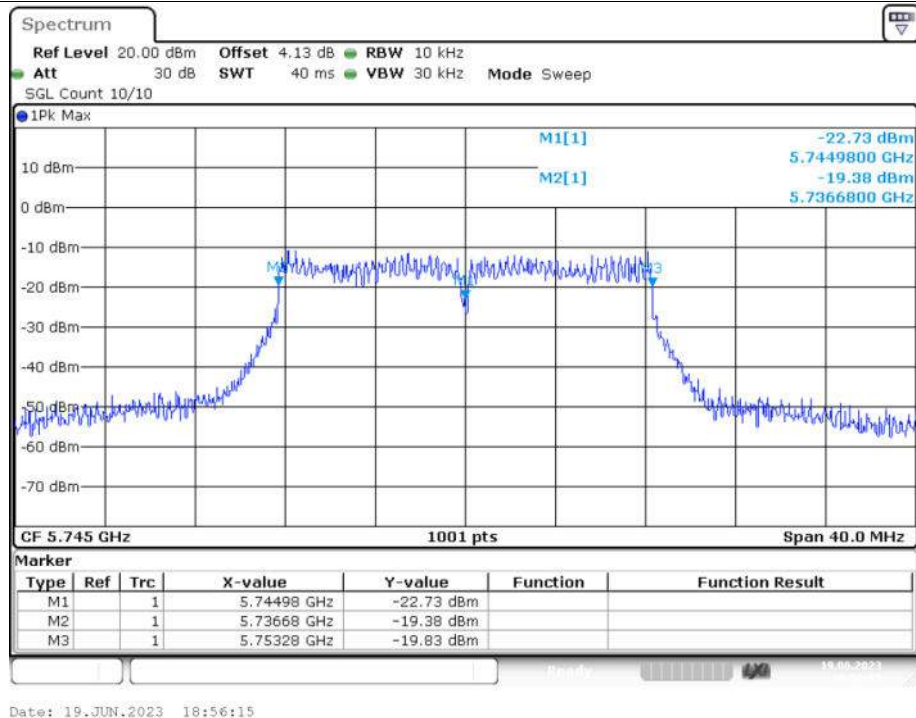
Freq. Stability 0C 24V a 5745MHz Ant1 0 Minutes



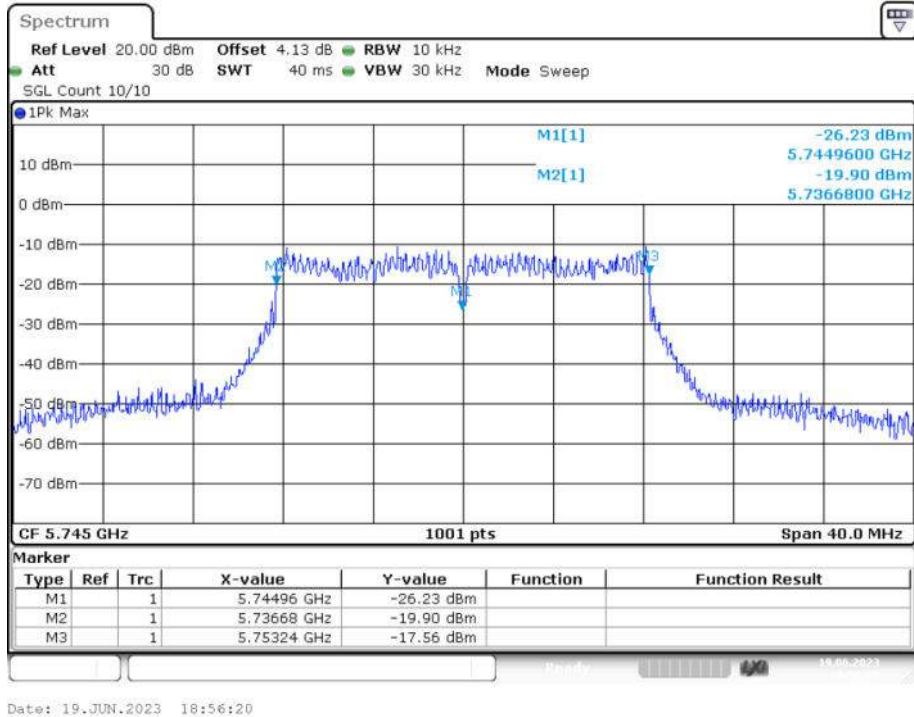
Freq. Stability 10C 24V a 5745MHz Ant1 0 Minutes



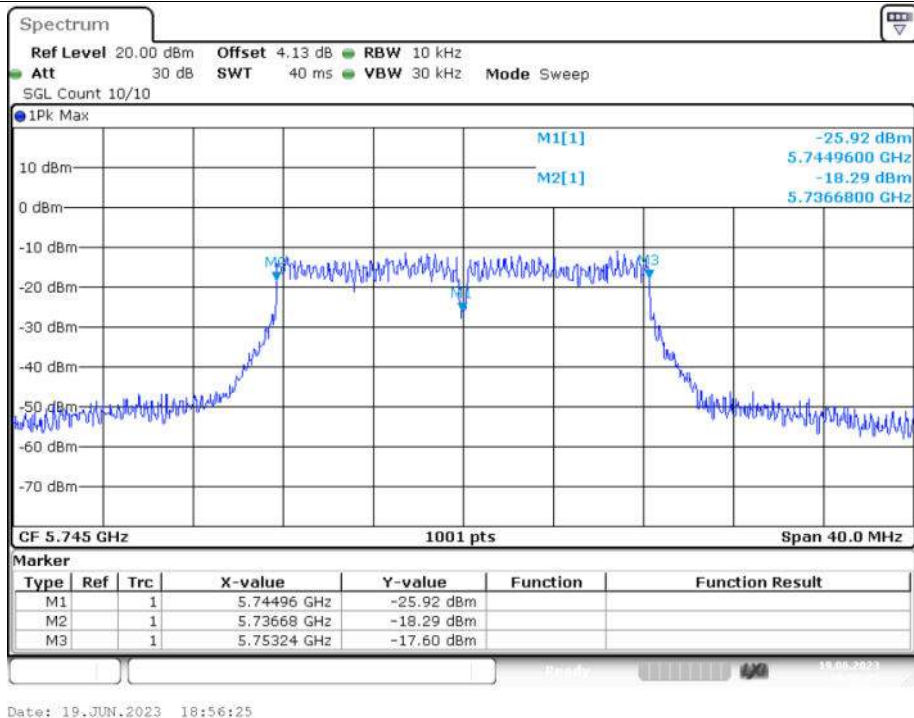
Freq. Stability 30C 24V a 5745MHz Ant1 0 Minutes



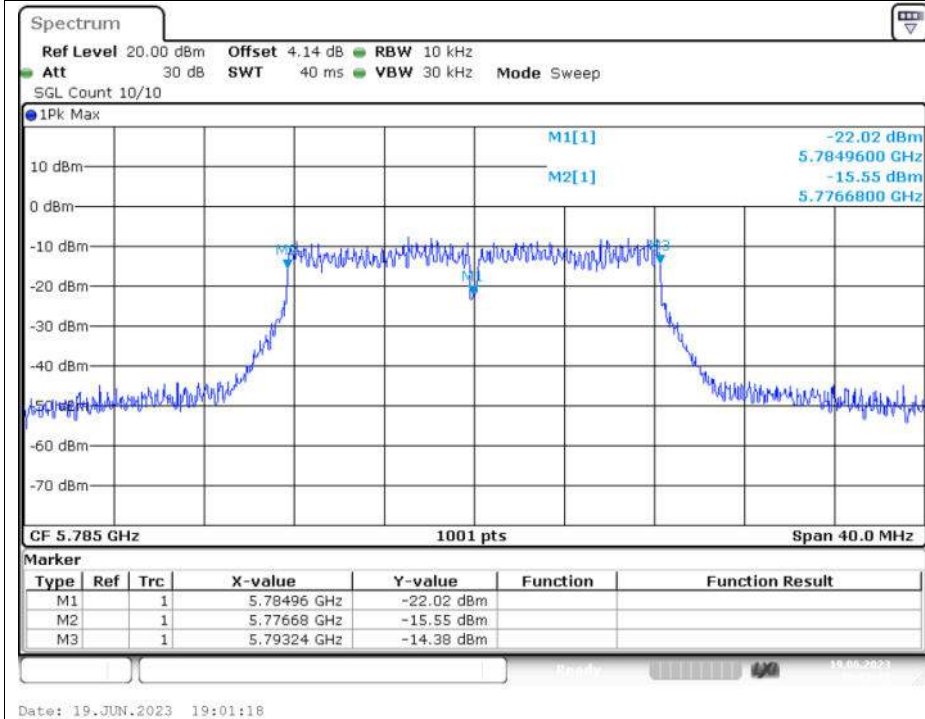
Freq. Stability 40C 24V a 5745MHz Ant1 0 Minutes



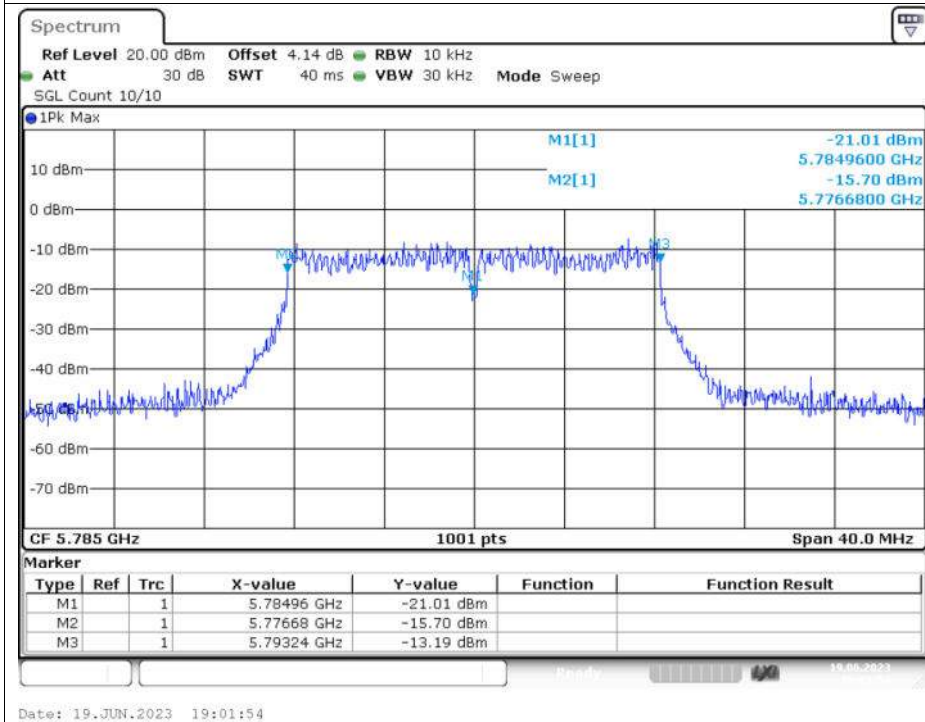
Freq. Stability 50C 24V a 5745MHz Ant1 0 Minutes



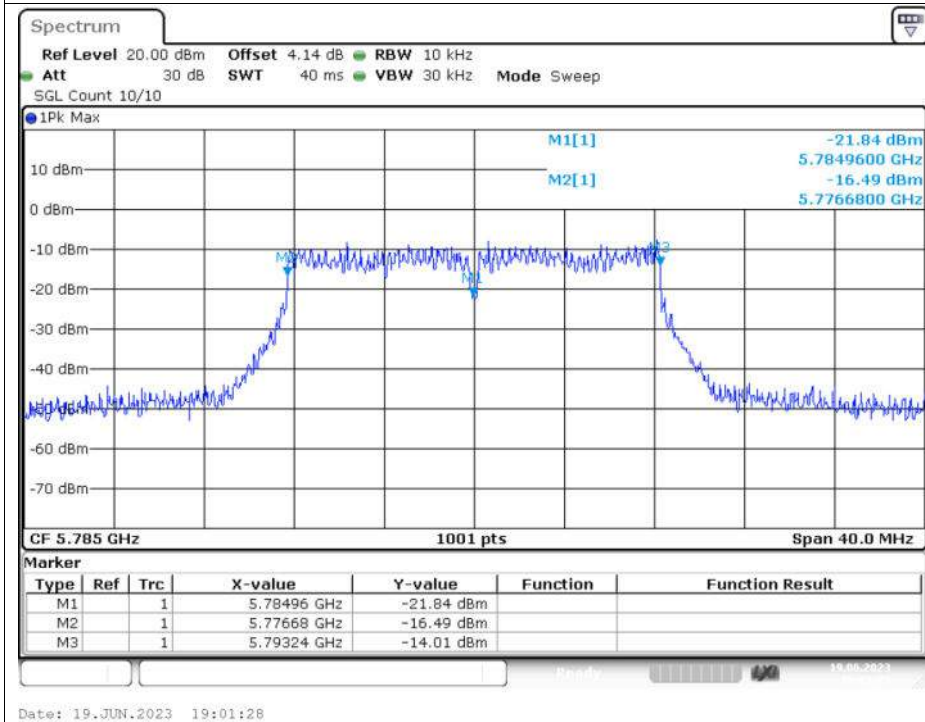
Freq. Stability 20C 20.4V a 5785MHz Ant1 0 Minutes



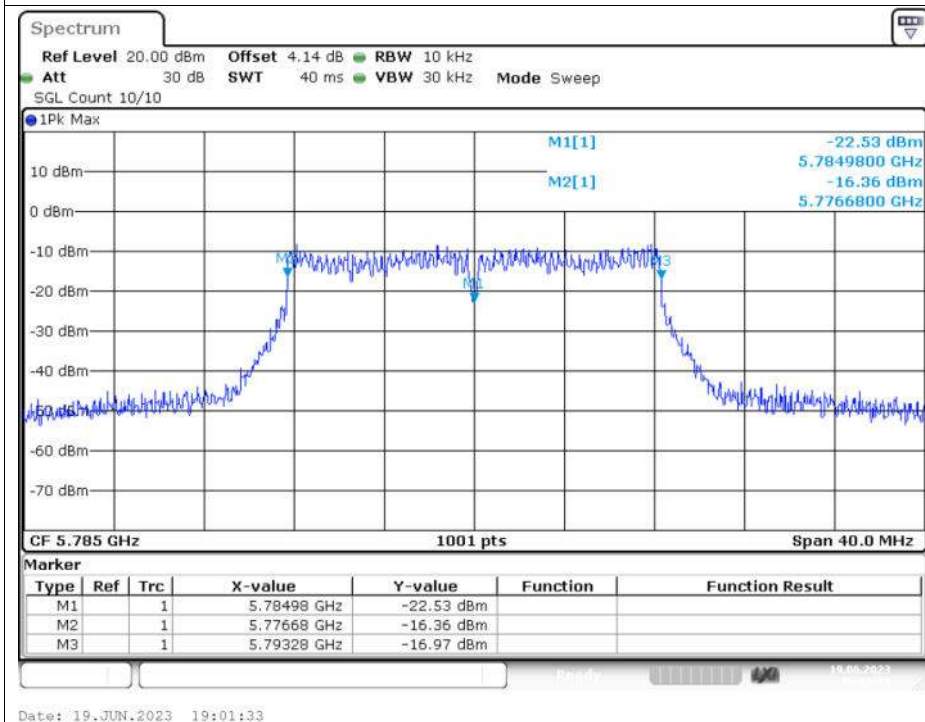
Freq. Stability 20C 24V a 5785MHz Ant1 0 Minutes



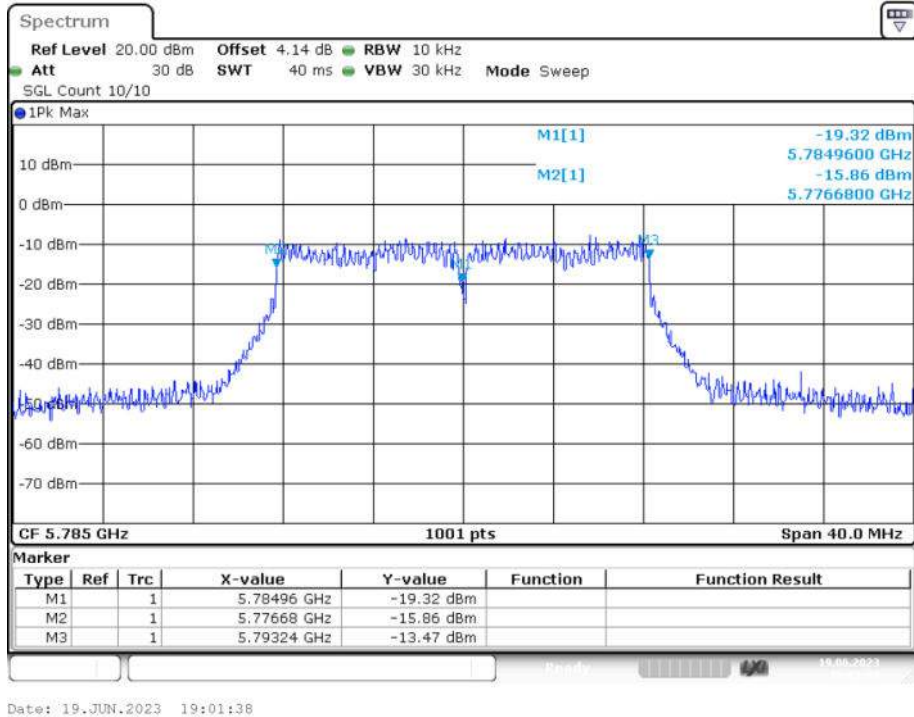
Freq. Stability 20C 27.6V a 5785MHz Ant1 0 Minutes



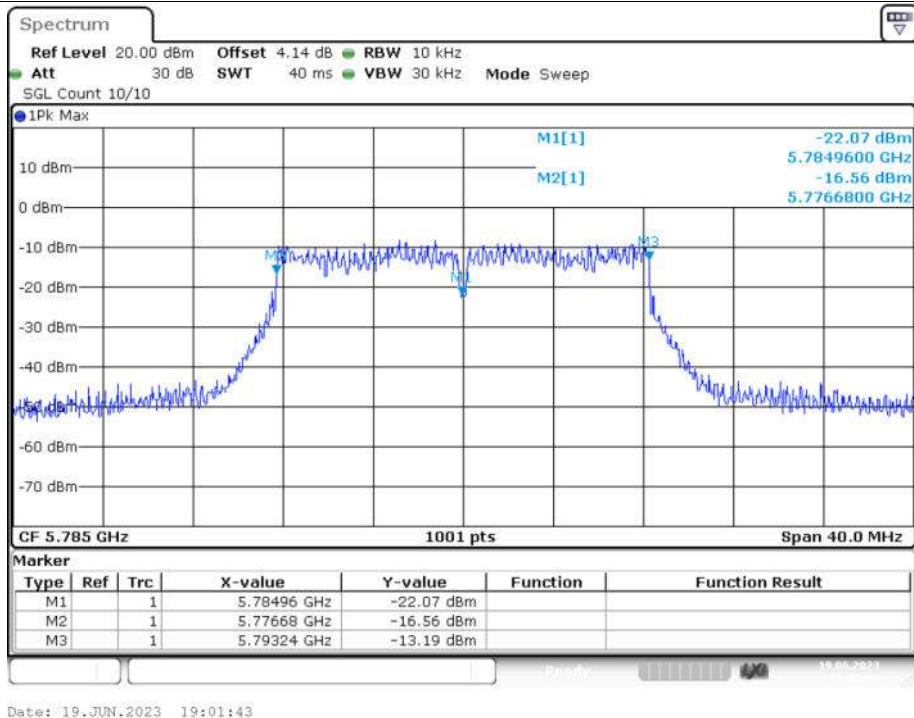
Freq. Stability -20C 24V a 5785MHz Ant1 0 Minutes



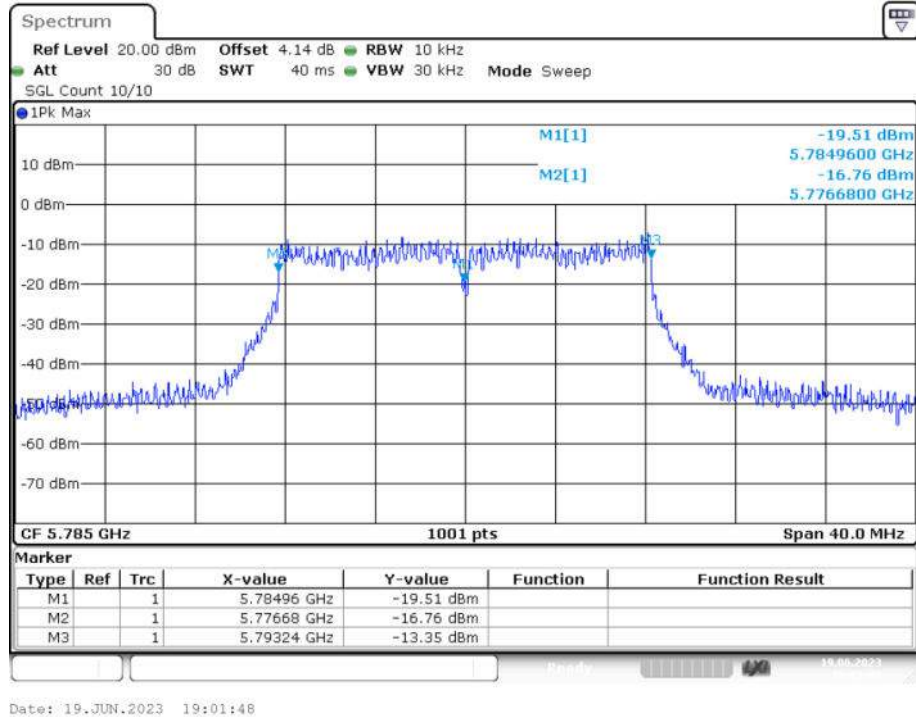
Freq. Stability -10C 24V a 5785MHz Ant1 0 Minutes



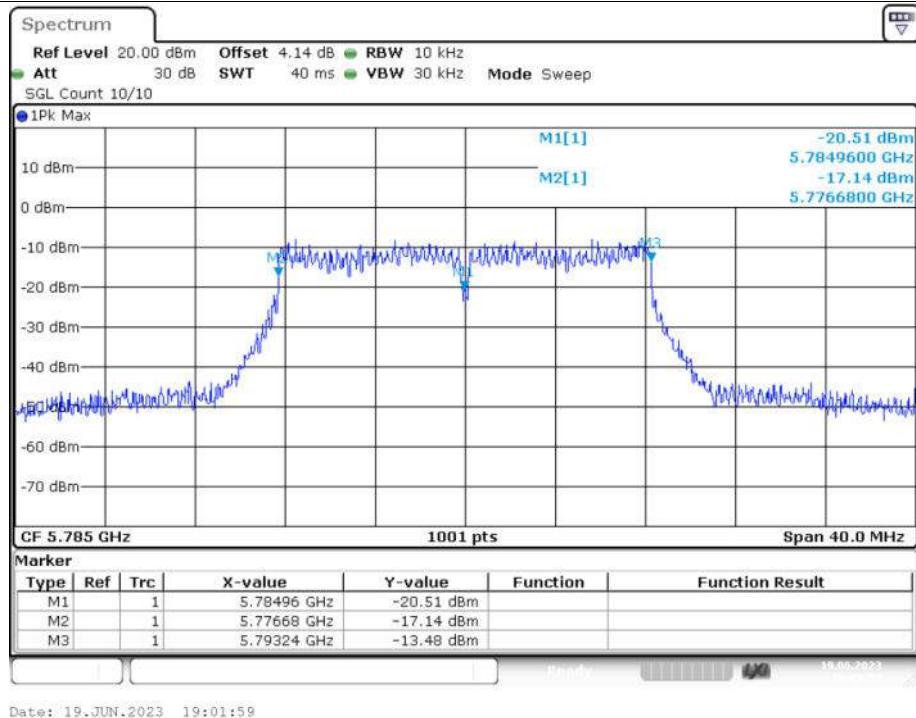
Freq. Stability 0C 24V a 5785MHz Ant1 0 Minutes



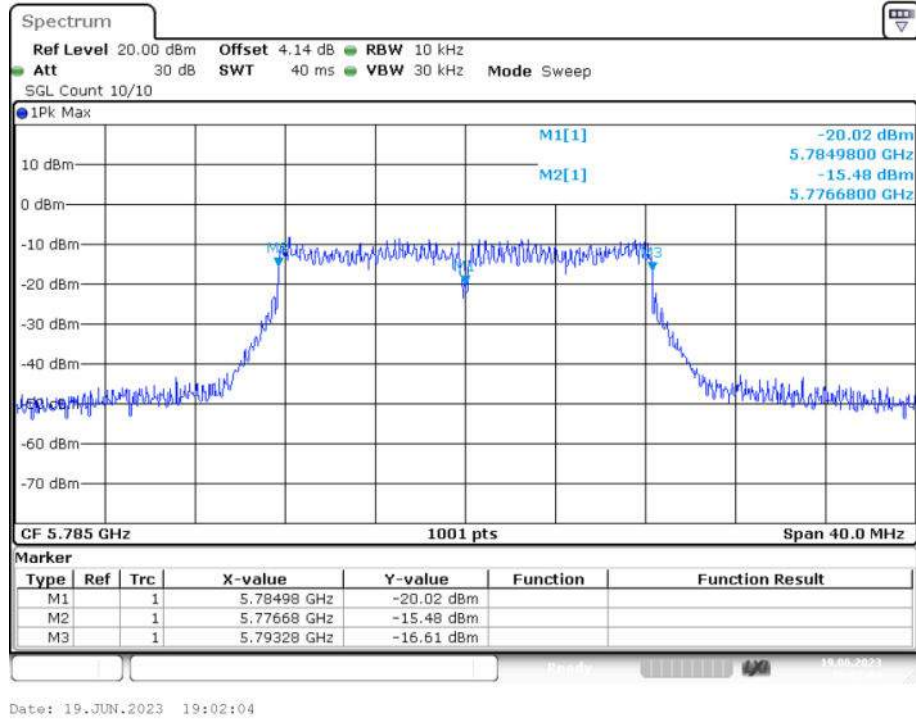
Freq. Stability 10C 24V a 5785MHz Ant1 0 Minutes



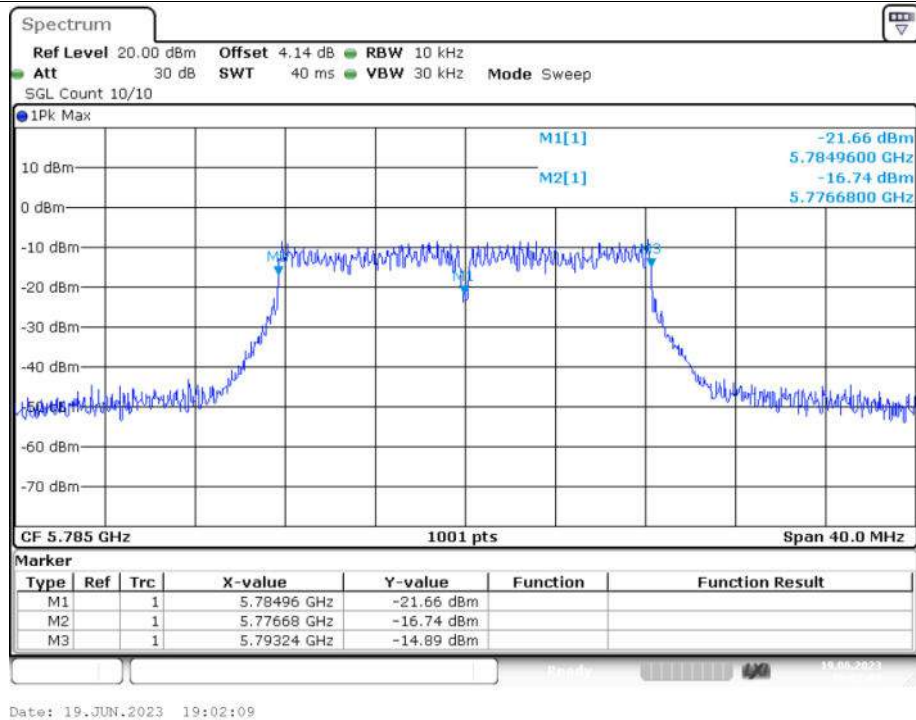
Freq. Stability 30C 24V a 5785MHz Ant1 0 Minutes



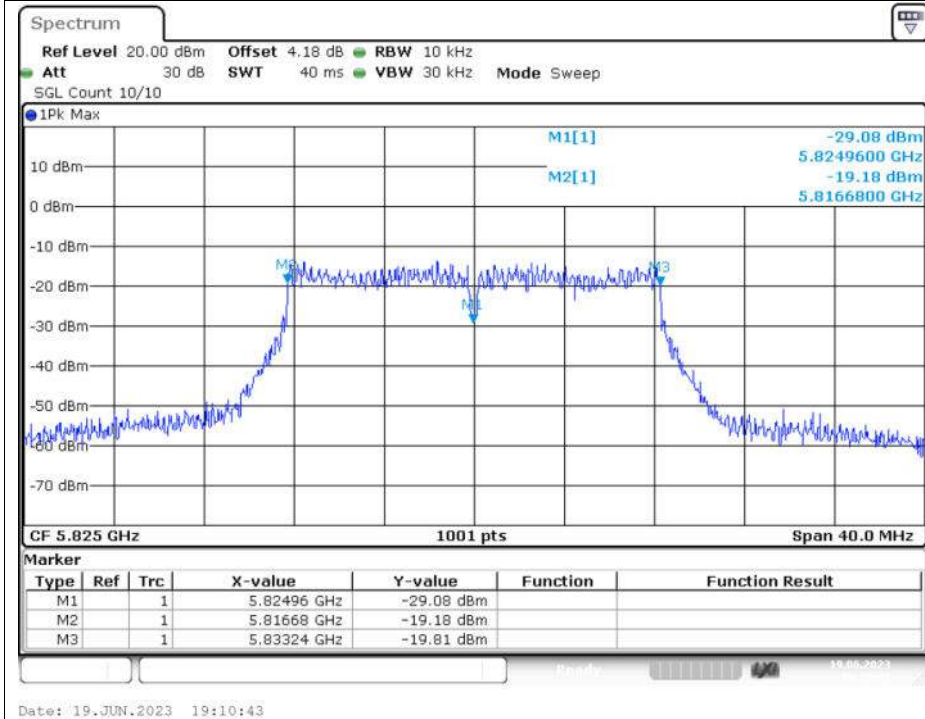
Freq. Stability 40C 24V a 5785MHz Ant1 0 Minutes



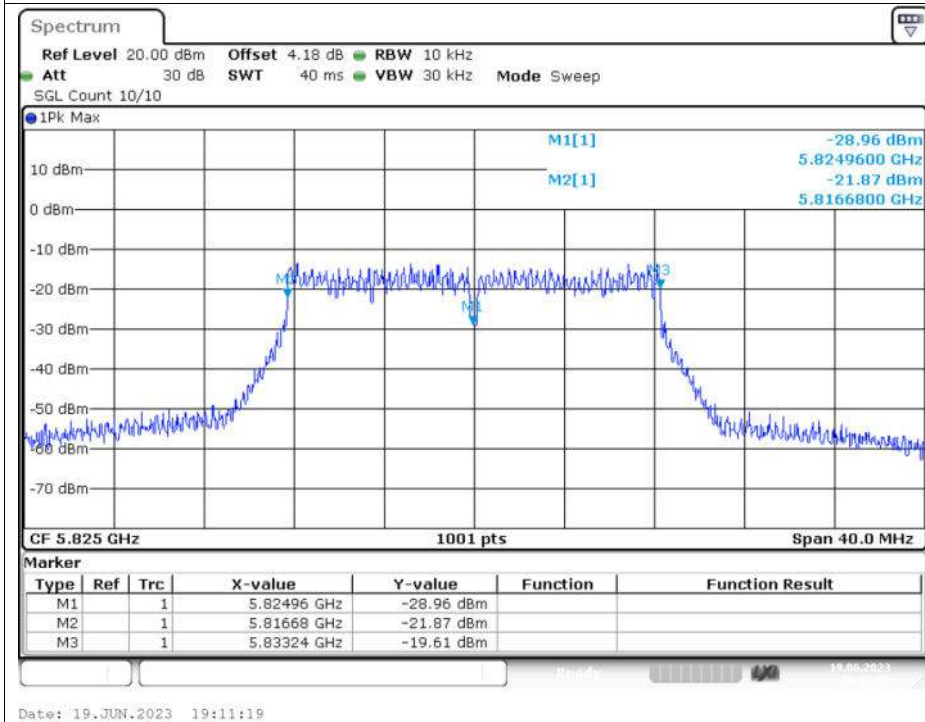
Freq. Stability 50C 24V a 5785MHz Ant1 0 Minutes



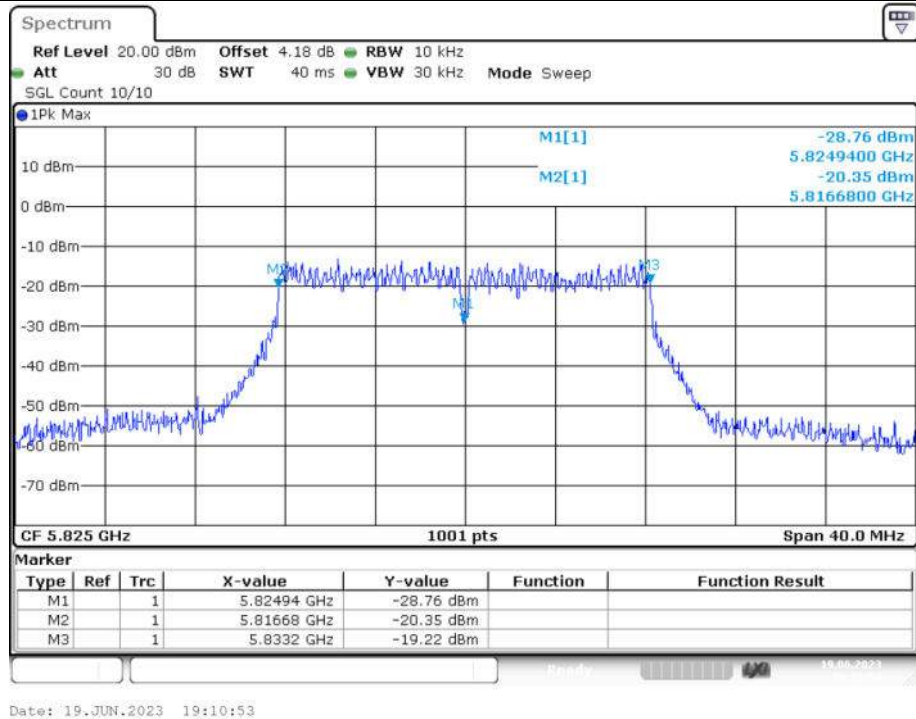
Freq. Stability 20C 20.4V a 5825MHz Ant1 0 Minutes



Freq. Stability 20C 24V a 5825MHz Ant1 0 Minutes



Freq. Stability 20C 27.6V a 5825MHz Ant1 0 Minutes



Freq. Stability -20C 24V a 5825MHz Ant1 0 Minutes

