Appendix A1

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	100	0	0
NVNT	a	5180	Ant2	100	0	0
NVNT	a	5200	Ant1	100	0	0
NVNT	a	5200	Ant2	100	0	0
NVNT	a	5240	Ant1	100	0	0
NVNT	a	5240	Ant2	100	0	0
NVNT	n20	5180	Ant1	100	0	0
NVNT	n20	5180	Ant2	100	0	0
NVNT	n20	5200	Ant1	100	0	0
NVNT	n20	5200	Ant2	100	0	0
NVNT	n20	5240	Ant1	100	0	0
NVNT	n20	5240	Ant2	100	0	0
NVNT	n40	5190	Ant1	100	0	0
NVNT	n40	5190	Ant2	100	0	0
NVNT	n40	5230	Ant1	100	0	0
NVNT	n40	5230	Ant2	100	0	0
NVNT	ac20	5180	Ant1	100	0	0
NVNT	ac20	5180	Ant2	100	0	0
NVNT	ac20	5200	Ant1	100	0	0
NVNT	ac20	5200	Ant2	100	0	0
NVNT	ac20	5240	Ant1	100	0	0
NVNT	ac20	5240	Ant2	100	0	0
NVNT	ac40	5190	Ant1	100	0	0
NVNT	ac40	5190	Ant2	100	0	0
NVNT	ac40	5230	Ant1	100	0	0
NVNT	ac40	5230	Ant2	100	0	0
NVNT	ac80	5210	Ant1	100	0	0
NVNT	ac80	5210	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	5180	Ant1	9.5	0	9.5	22.02	Pass
NVNT	a	5180	Ant2	10.44	0	10.44	22.02	Pass
NVNT	a	5200	Ant1	9.2	0	9.2	22.02	Pass
NVNT	a	5200	Ant2	9.02	0	9.02	22.02	Pass
NVNT	a	5240	Ant1	8.33	0	8.33	22.02	Pass
NVNT	a	5240	Ant2	8	0	8	22.02	Pass
NVNT	n20	5180	Ant1	9.31	0	9.31	22.02	Pass
NVNT	n20	5180	Ant2	9.67	0	9.67	22.02	Pass
NVNT	n20	5180	Sum	12.5	-	12.5	22.02	Pass
NVNT	n20	5200	Ant1	9.15	0	9.15	22.02	Pass
NVNT	n20	5200	Ant2	9.2	0	9.2	22.02	Pass
NVNT	n20	5200	Sum	12.19	-	12.19	22.02	Pass
NVNT	n20	5240	Ant1	8.71	0	8.71	22.02	Pass
NVNT	n20	5240	Ant2	8.84	0	8.84	22.02	Pass
NVNT	n20	5240	Sum	11.79	-	11.79	22.02	Pass
NVNT	n40	5190	Ant1	8.53	0	8.53	22.02	Pass
NVNT	n40	5190	Ant2	10.06	0	10.06	22.02	Pass
NVNT	n40	5190	Sum	12.37	-	12.37	22.02	Pass
NVNT	n40	5230	Ant1	7.75	0	7.75	22.02	Pass
NVNT	n40	5230	Ant2	9.78	0	9.78	22.02	Pass
NVNT	n40	5230	Sum	11.89	-	11.89	22.02	Pass
NVNT	ac20	5180	Ant1	9.47	0	9.47	22.02	Pass
NVNT	ac20	5180	Ant2	10.15	0	10.15	22.02	Pass
NVNT	ac20	5180	Sum	12.83	-	12.83	22.02	Pass
NVNT	ac20	5200	Ant1	9.29	0	9.29	22.02	Pass
NVNT	ac20	5200	Ant2	10.07	0	10.07	22.02	Pass
NVNT	ac20	5200	Sum	12.71	-	12.71	22.02	Pass
NVNT	ac20	5240	Ant1	8.91	0	8.91	22.02	Pass
NVNT	ac20	5240	Ant2	9.91	0	9.91	22.02	Pass
NVNT	ac20	5240	Sum	12.45	-	12.45	22.02	Pass
NVNT	ac40	5190	Ant1	9.44	0	9.44	22.02	Pass
NVNT	ac40	5190	Ant2	10.12	0	10.12	22.02	Pass
NVNT	ac40	5190	Sum	12.8	-	12.8	22.02	Pass
NVNT	ac40	5230	Ant1	8.88	0	8.88	22.02	Pass
NVNT	ac40	5230	Ant2	9.79	0	9.79	22.02	Pass
NVNT	ac40	5230	Sum	12.37	-	12.37	22.02	Pass
NVNT	ac80	5210	Ant1	8.01	0	8.01	22.02	Pass
NVNT	ac80	5210	Ant2	10.65	0	10.65	22.02	Pass

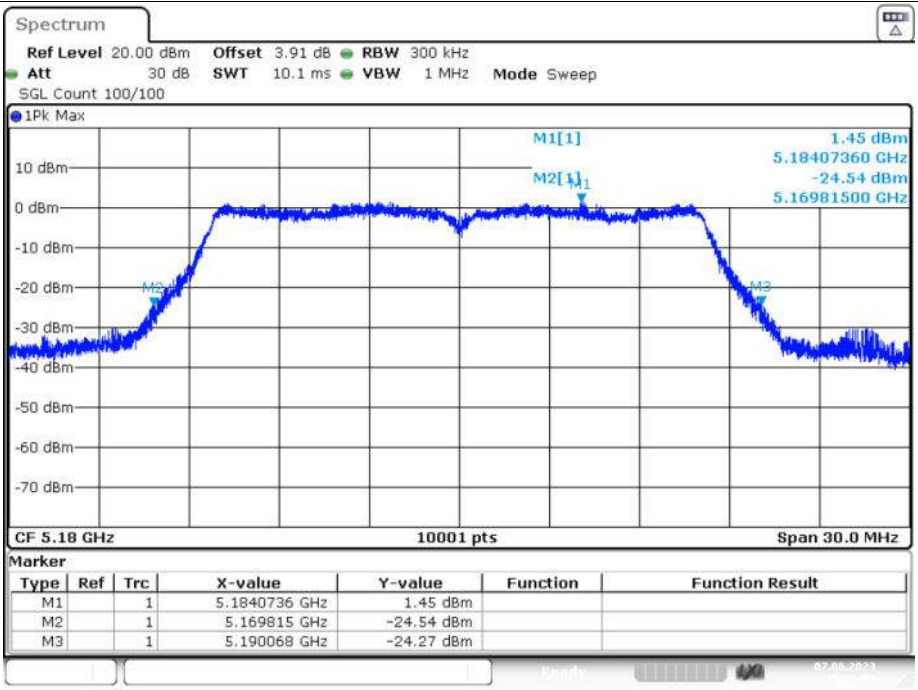
NVNT	ac80	5210	Sum	12.54	-	12.54	22.02	Pass

-26dB Bandwidth

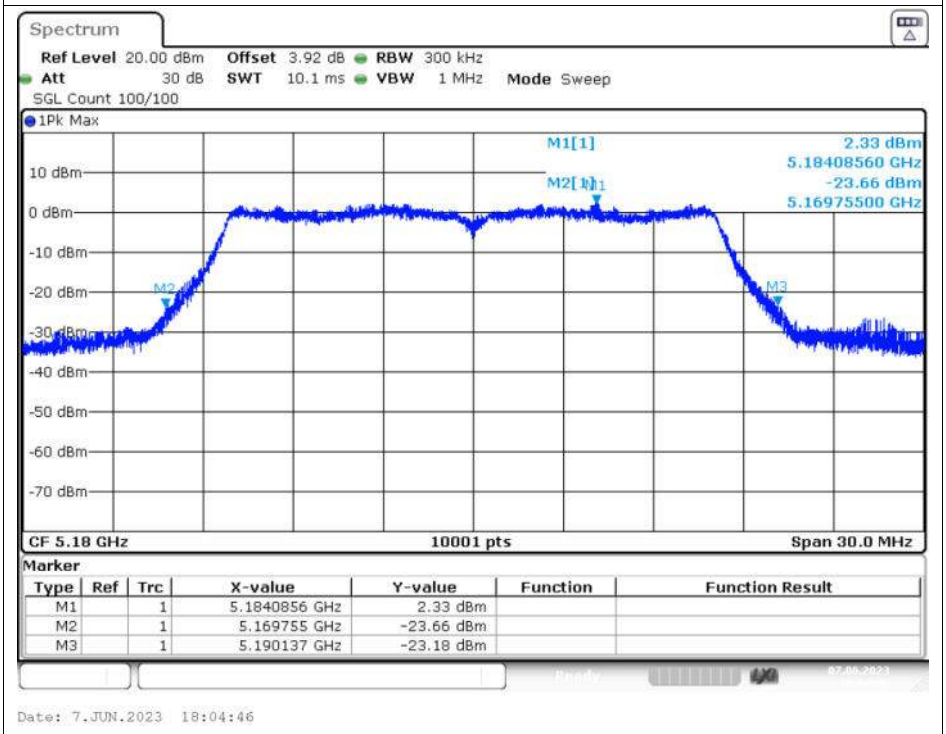
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.253	0.5	Pass
NVNT	a	5180	Ant2	20.382	0.5	Pass
NVNT	a	5200	Ant1	20.337	0.5	Pass
NVNT	a	5200	Ant2	20.37	0.5	Pass
NVNT	a	5240	Ant1	20.391	0.5	Pass
NVNT	a	5240	Ant2	20.166	0.5	Pass
NVNT	n20	5180	Ant1	20.577	0.5	Pass
NVNT	n20	5180	Ant2	20.589	0.5	Pass
NVNT	n20	5200	Ant1	20.814	0.5	Pass
NVNT	n20	5200	Ant2	20.514	0.5	Pass
NVNT	n20	5240	Ant1	20.775	0.5	Pass
NVNT	n20	5240	Ant2	20.928	0.5	Pass
NVNT	n40	5190	Ant1	40.914	0.5	Pass
NVNT	n40	5190	Ant2	40.398	0.5	Pass
NVNT	n40	5230	Ant1	40.674	0.5	Pass
NVNT	n40	5230	Ant2	40.248	0.5	Pass
NVNT	ac20	5180	Ant1	20.718	0.5	Pass
NVNT	ac20	5180	Ant2	20.292	0.5	Pass
NVNT	ac20	5200	Ant1	20.469	0.5	Pass
NVNT	ac20	5200	Ant2	20.268	0.5	Pass
NVNT	ac20	5240	Ant1	20.547	0.5	Pass
NVNT	ac20	5240	Ant2	20.307	0.5	Pass
NVNT	ac40	5190	Ant1	40.14	0.5	Pass
NVNT	ac40	5190	Ant2	40.266	0.5	Pass
NVNT	ac40	5230	Ant1	40.56	0.5	Pass
NVNT	ac40	5230	Ant2	40.074	0.5	Pass
NVNT	ac80	5210	Ant1	80.58	0.5	Pass
NVNT	ac80	5210	Ant2	80.52	0.5	Pass

Test Graphs

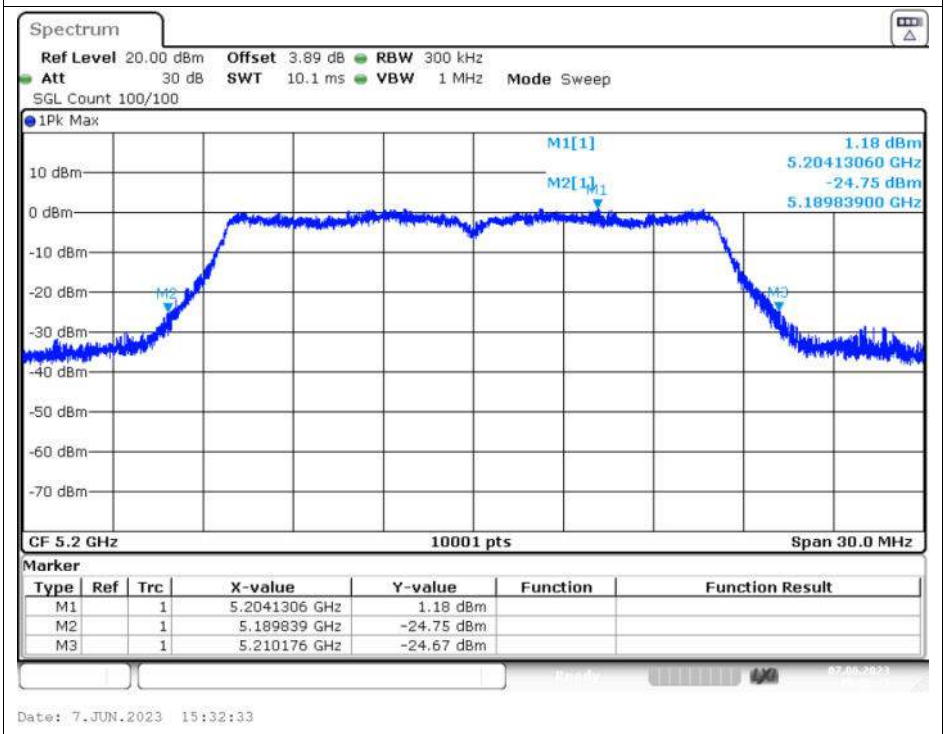
-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5180MHz Ant2



-26dB Bandwidth NVNT a 5200MHz Ant1



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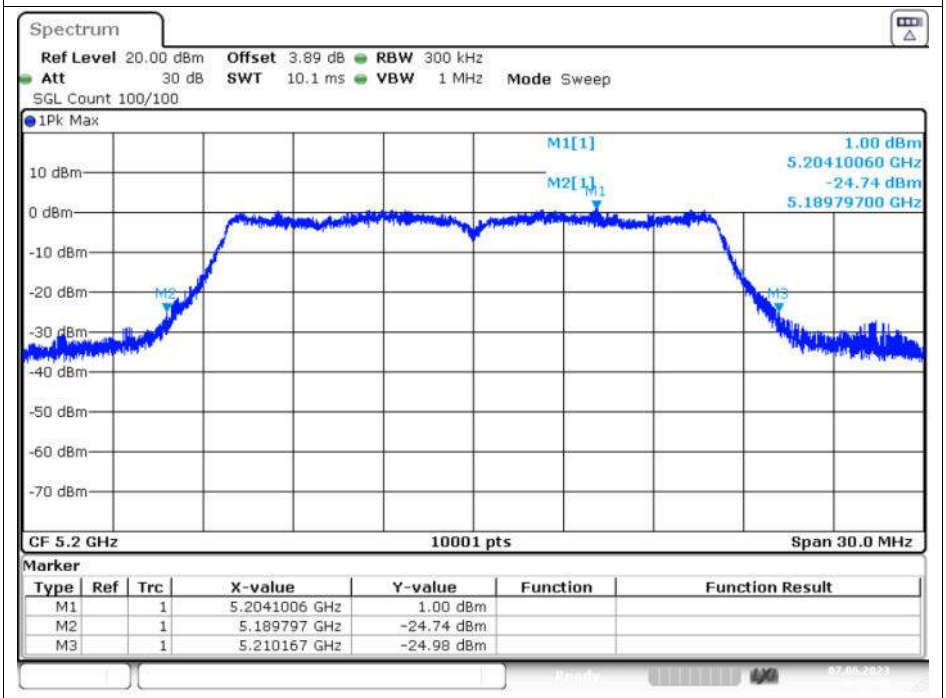
-26dB Bandwidth NVNT a 5200MHz Ant2



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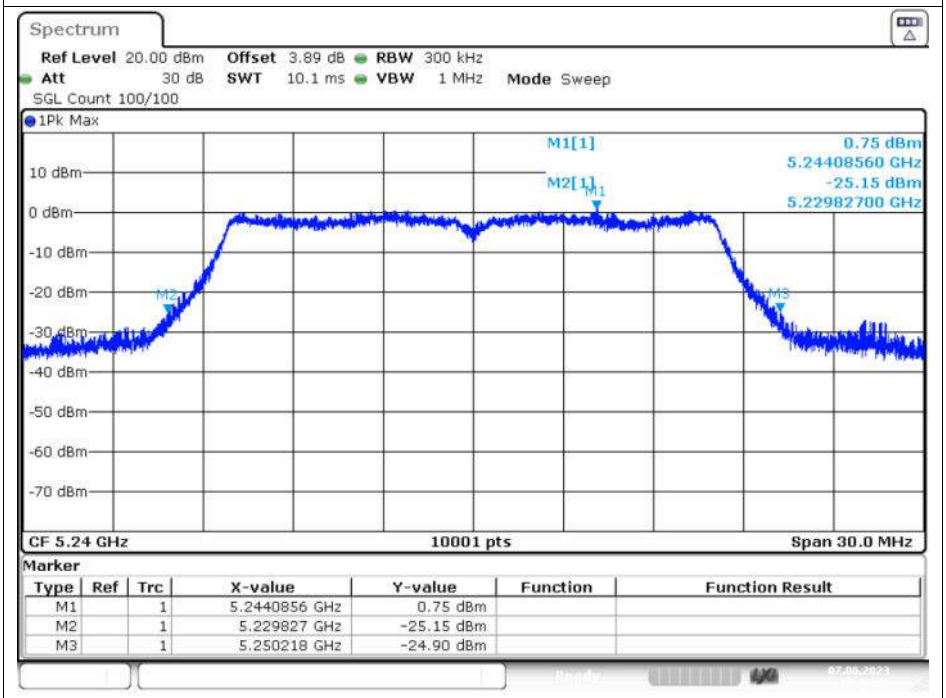
-26dB Bandwidth NVNT a 5240MHz Ant1



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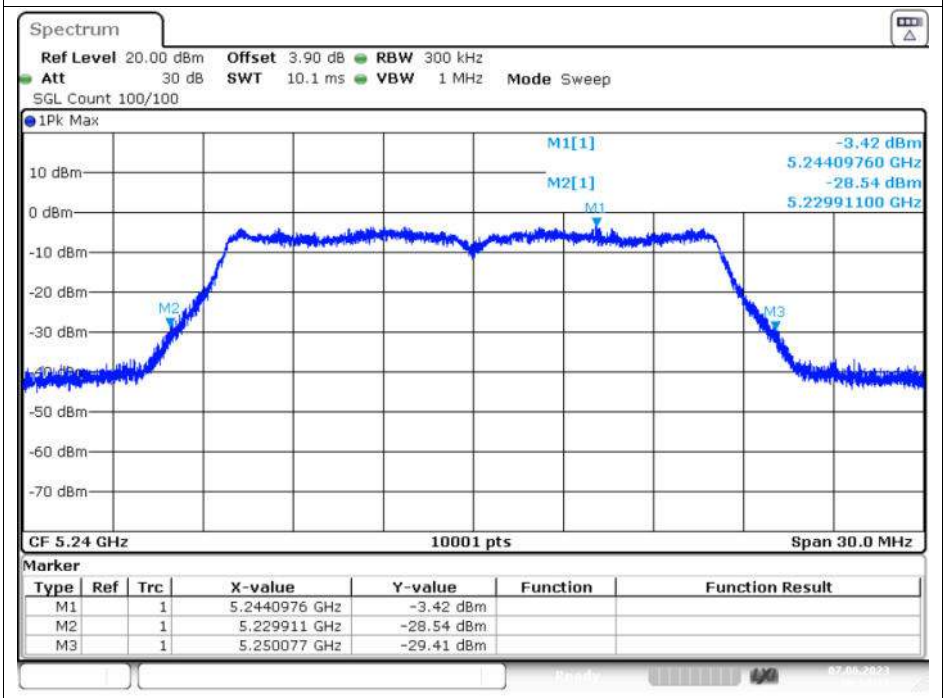
-26dB Bandwidth NVNT a 5240MHz Ant2



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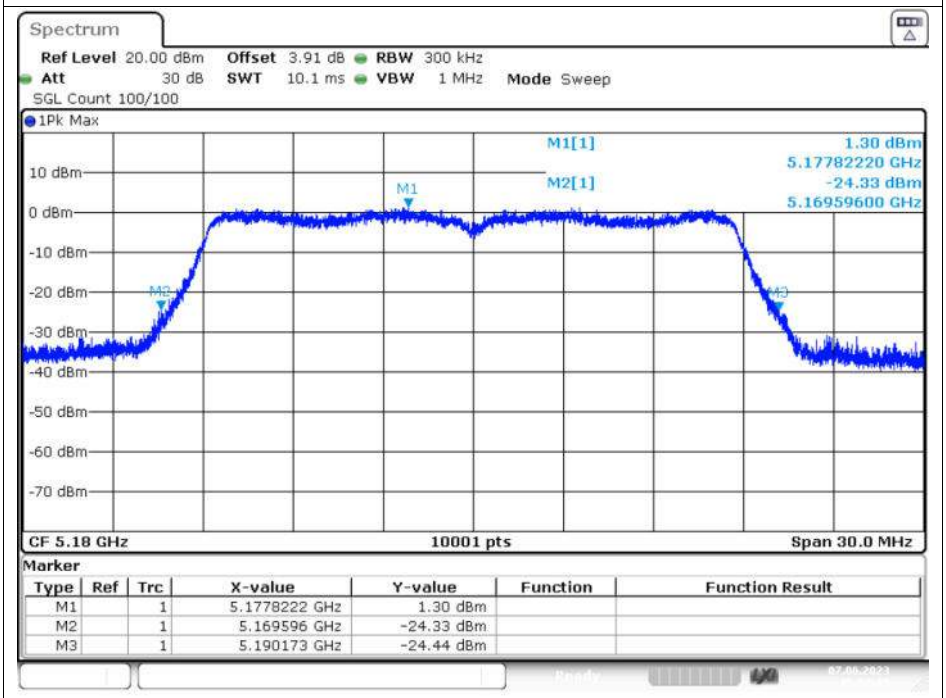
-26dB Bandwidth NVNT n20 5180MHz Ant1



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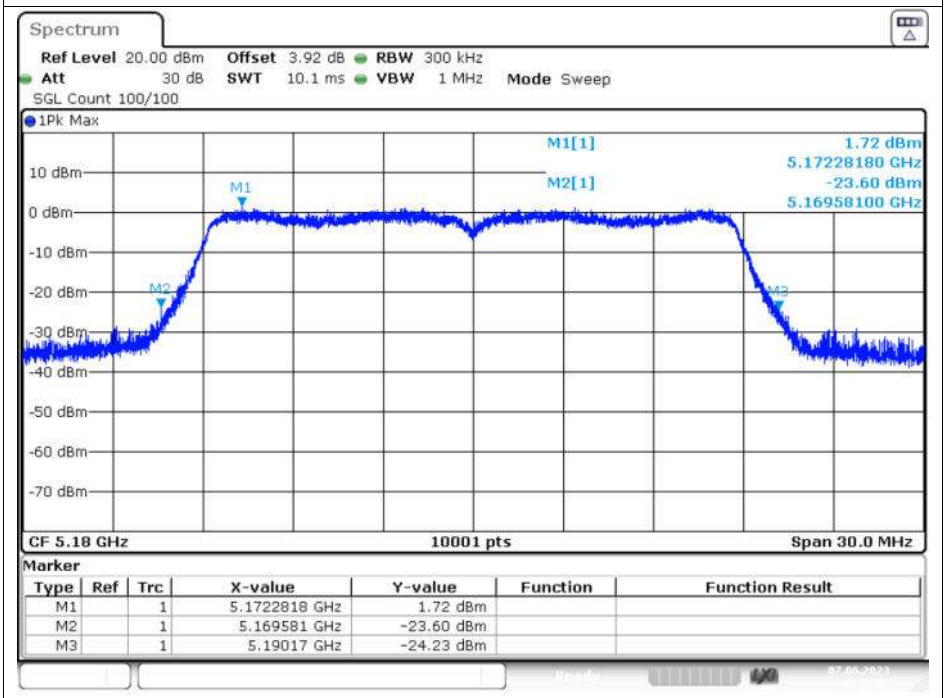
-26dB Bandwidth NVNT n20 5180MHz Ant2



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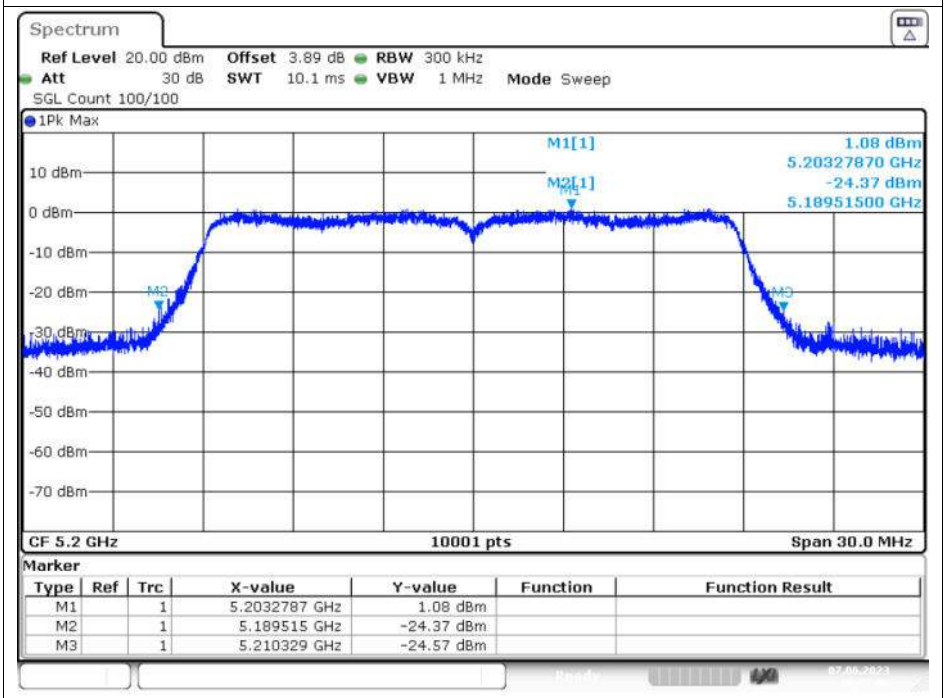
-26dB Bandwidth NVNT n20 5200MHz Ant1



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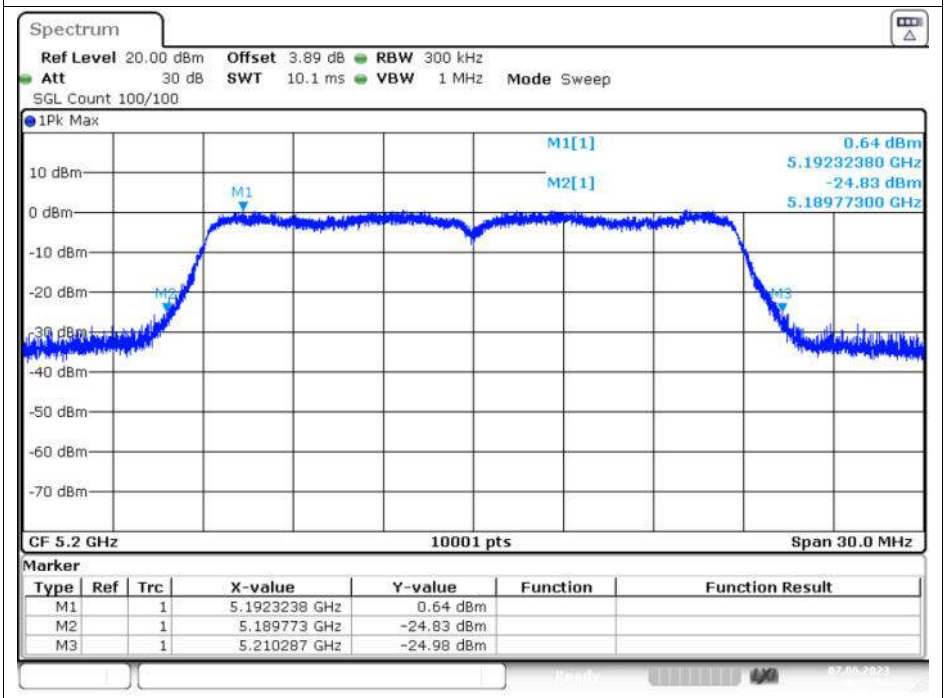
-26dB Bandwidth NVNT n20 5200MHz Ant2



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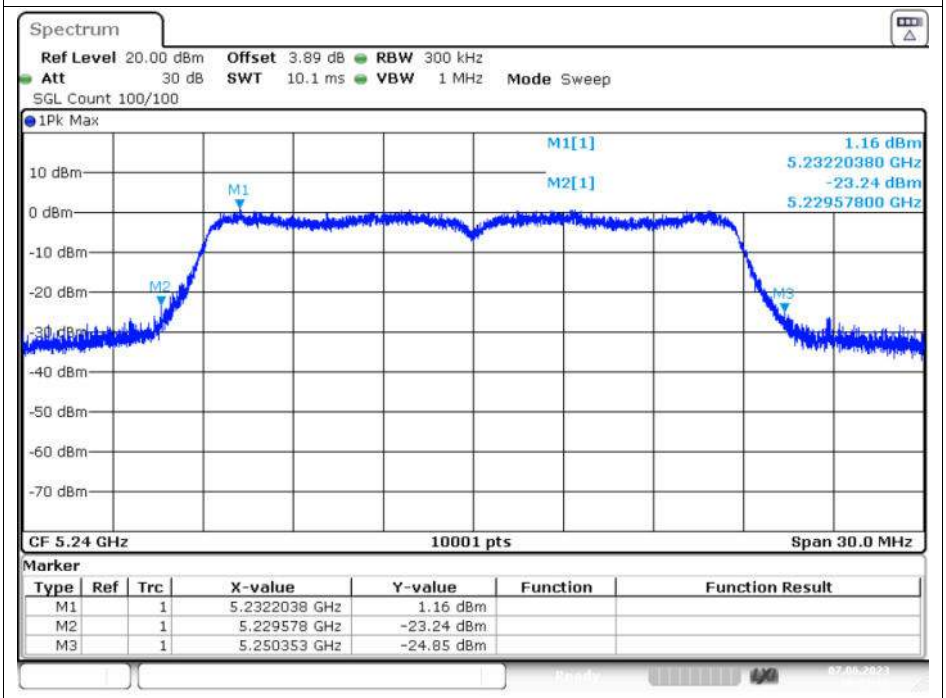
-26dB Bandwidth NVNT n20 5240MHz Ant1



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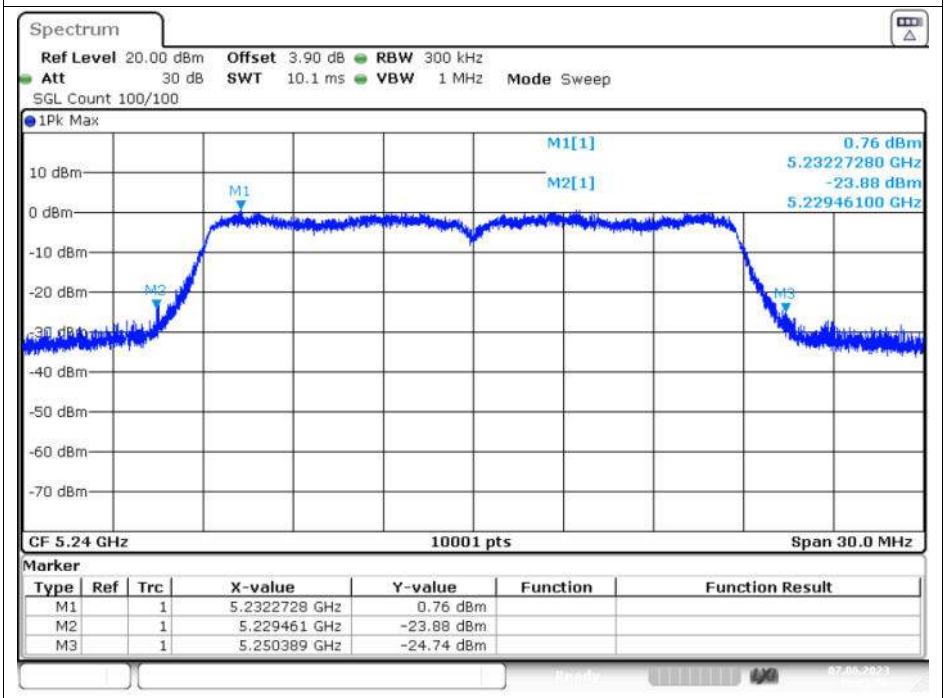
-26dB Bandwidth NVNT n20 5240MHz Ant2



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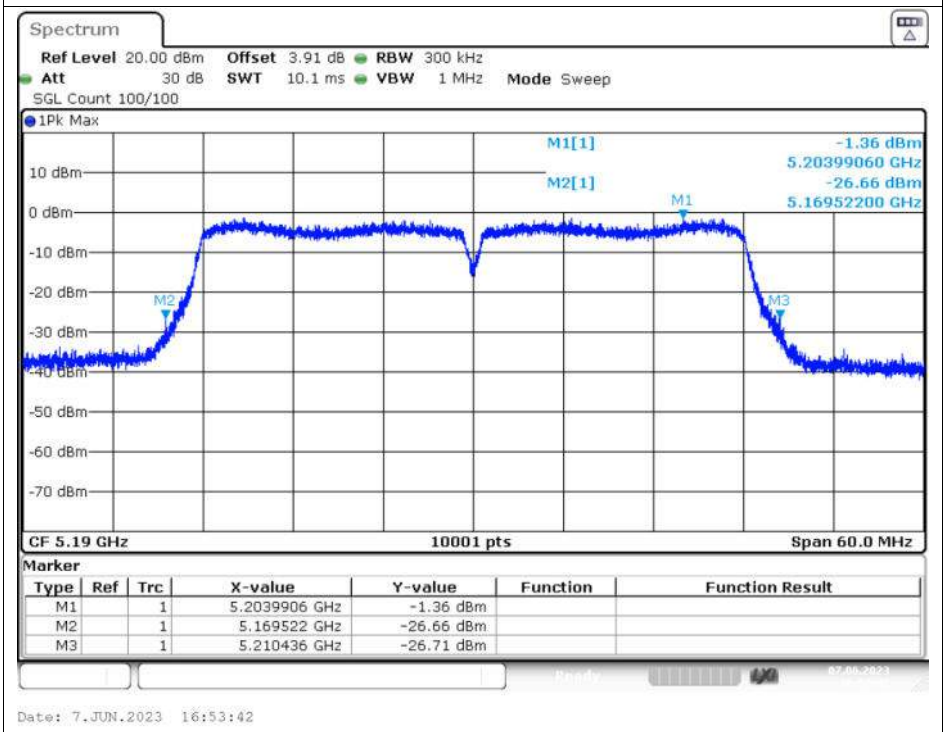
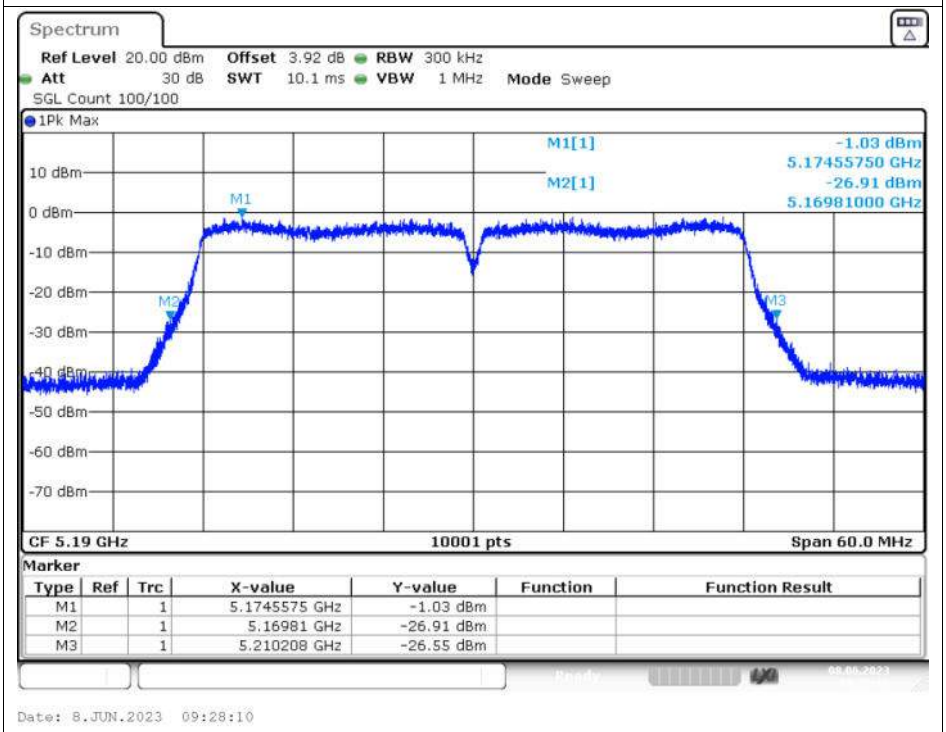
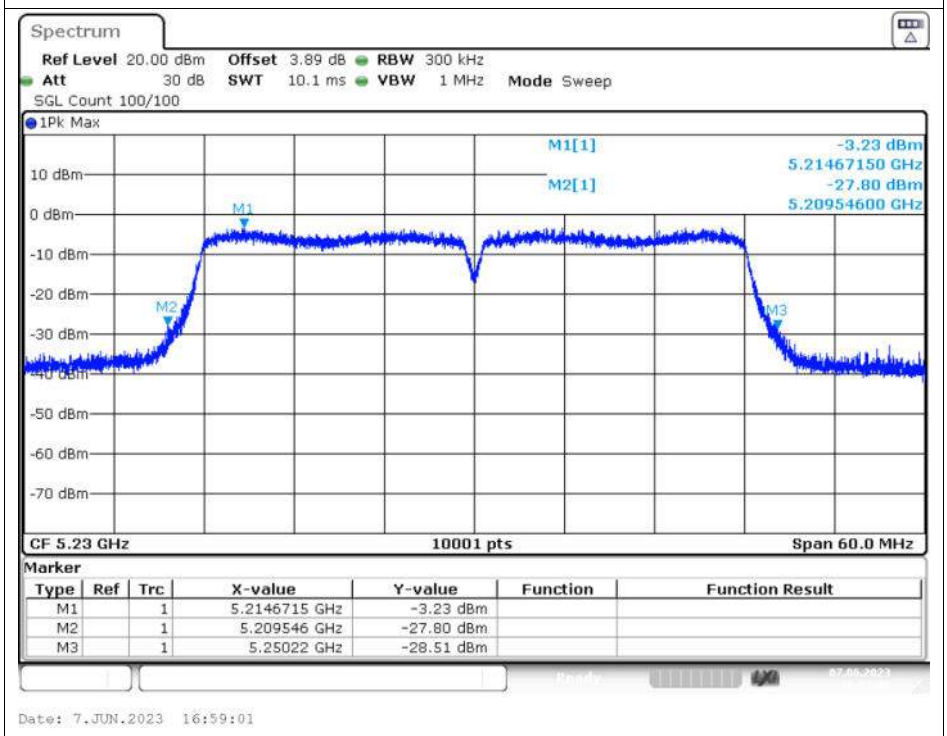
-26dB Bandwidth NVNT n40 5190MHz Ant1



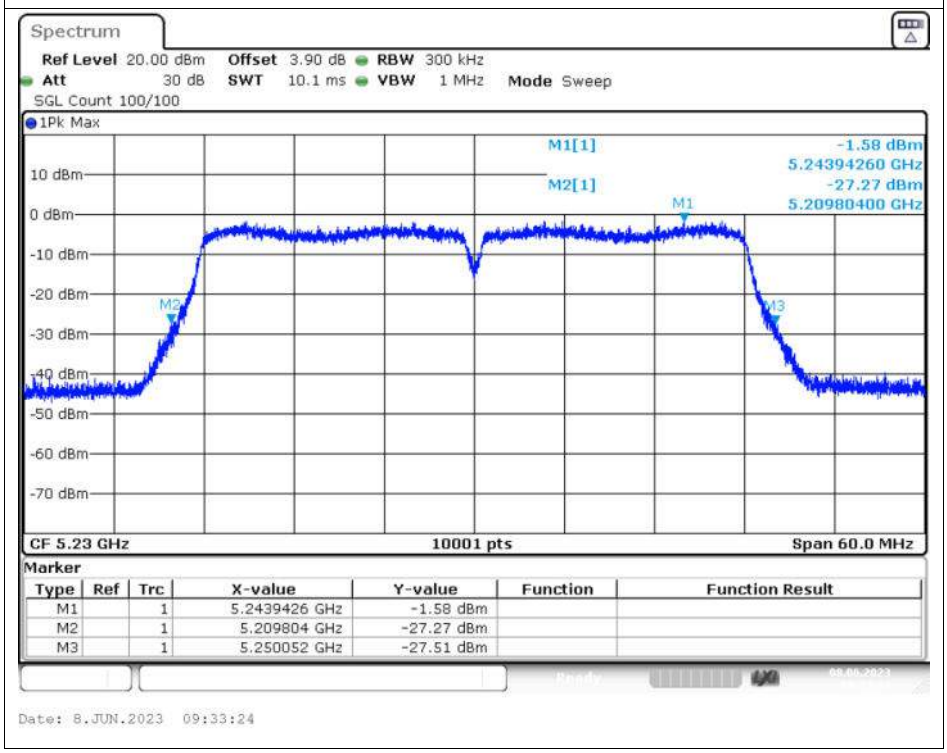
-26dB Bandwidth NVNT n40 5190MHz Ant2



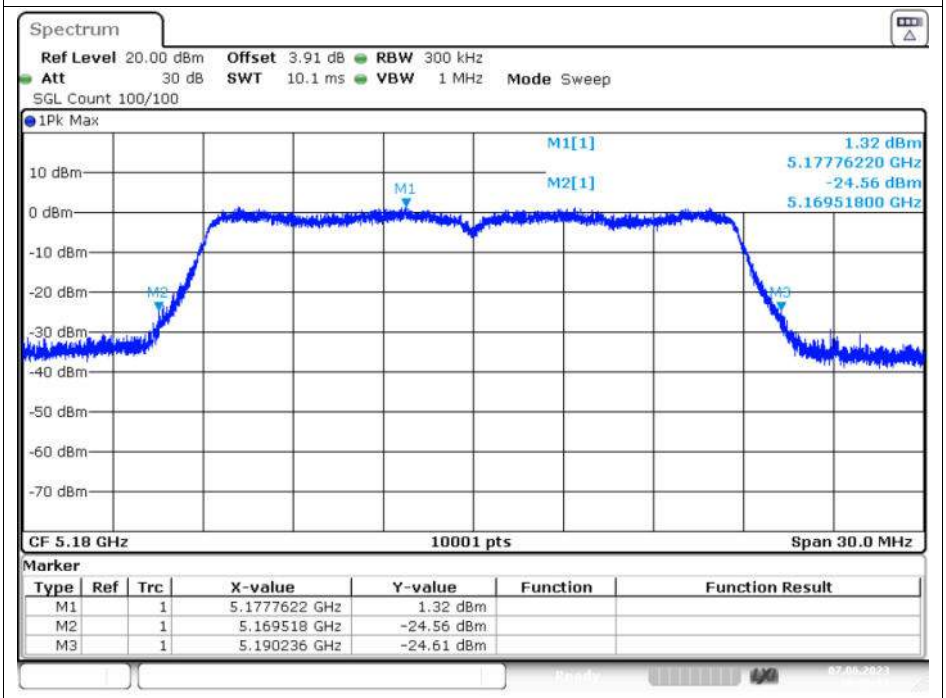
-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant2



-26dB Bandwidth NVNT ac20 5180MHz Ant1



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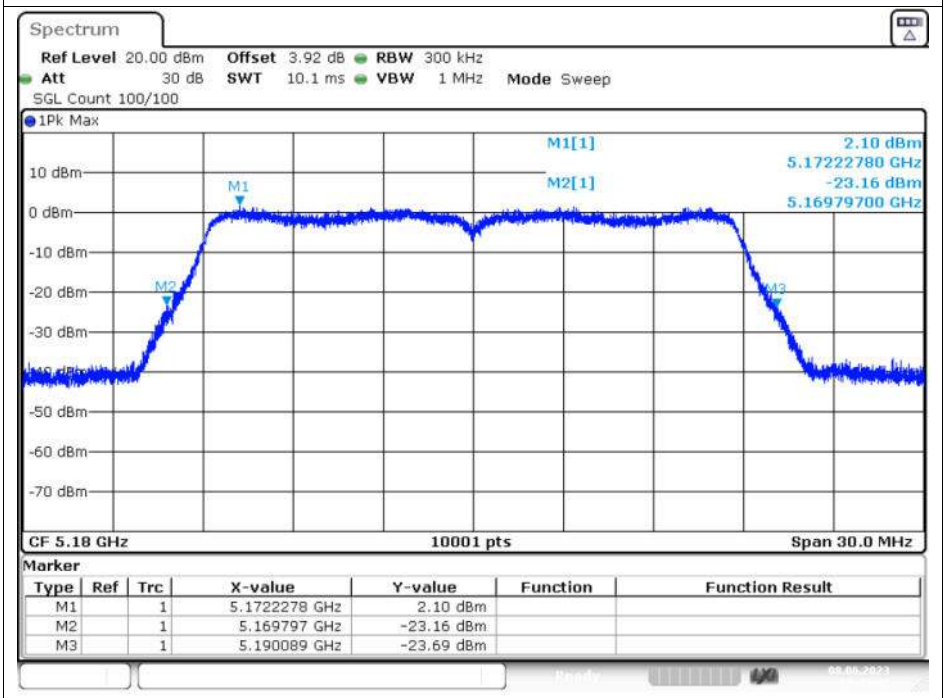
-26dB Bandwidth NVNT ac20 5180MHz Ant2



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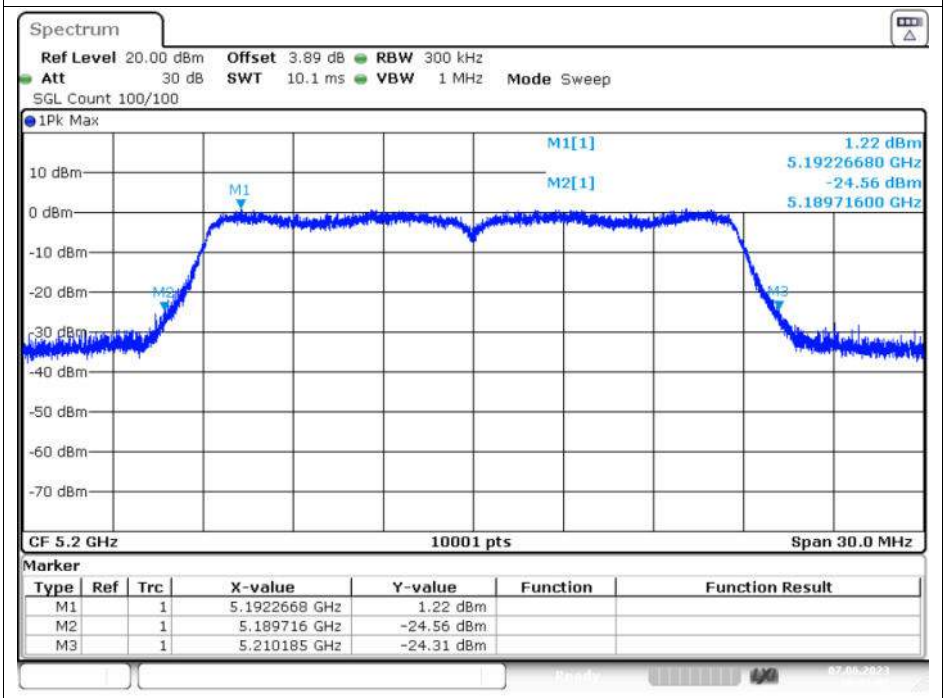
-26dB Bandwidth NVNT ac20 5200MHz Ant1



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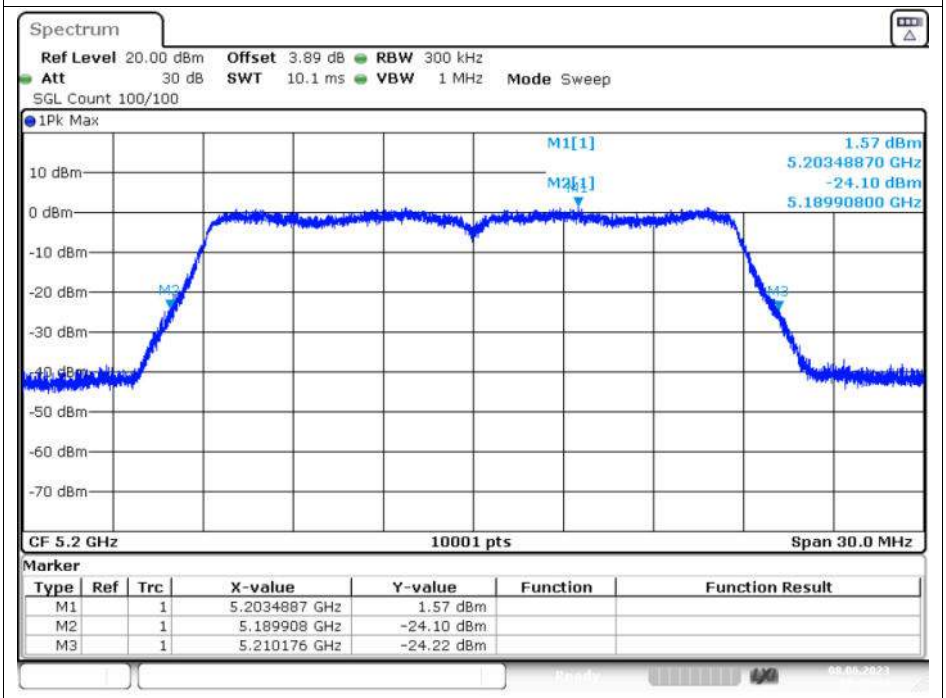
-26dB Bandwidth NVNT ac20 5200MHz Ant2



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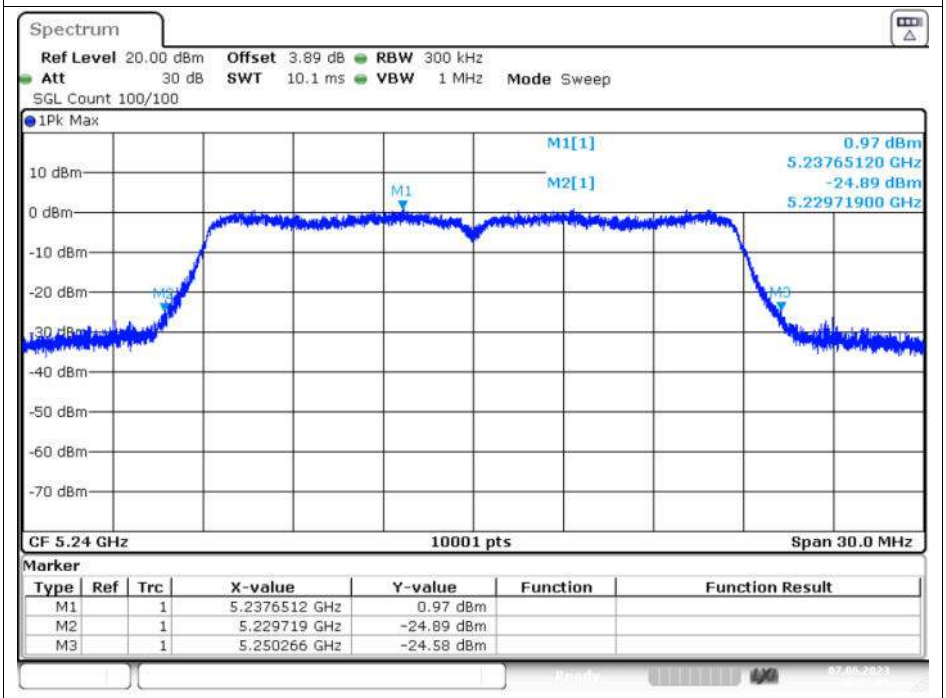
-26dB Bandwidth NVNT ac20 5240MHz Ant1



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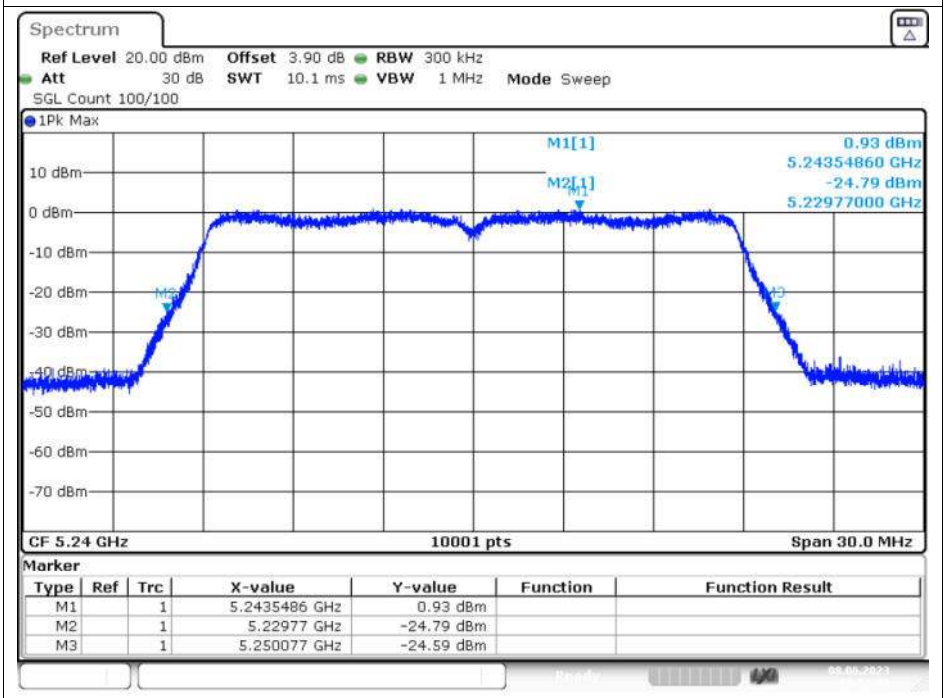
-26dB Bandwidth NVNT ac20 5240MHz Ant2



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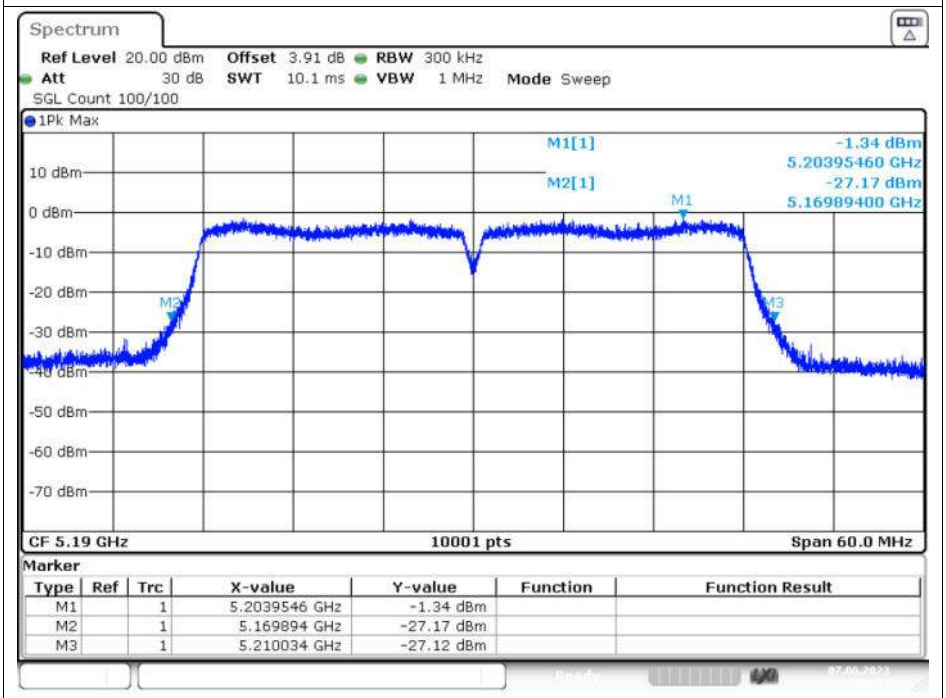
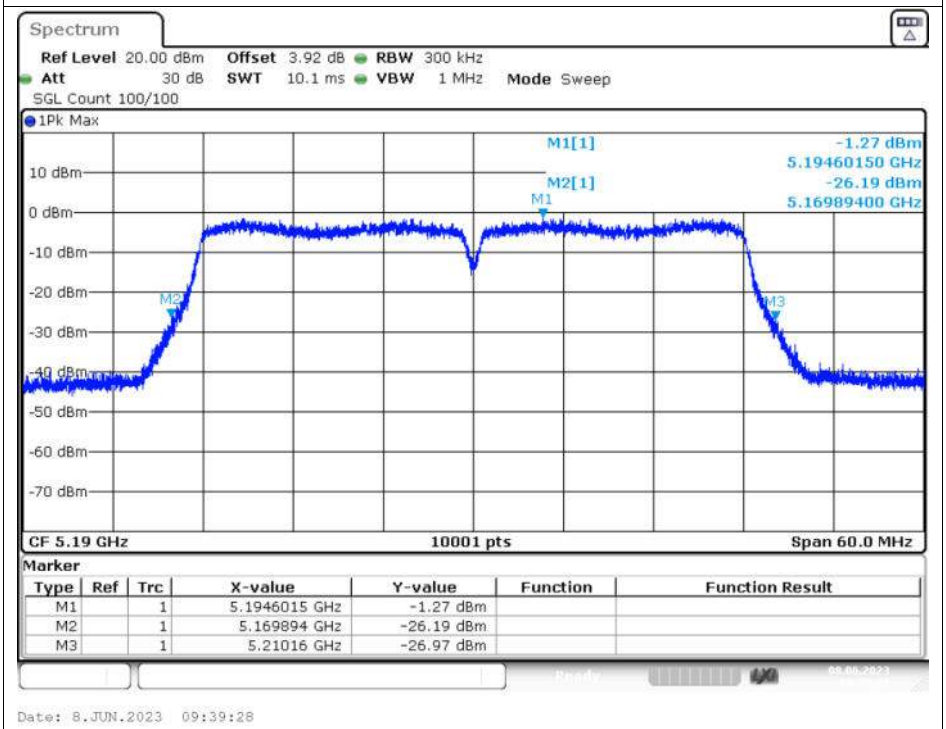
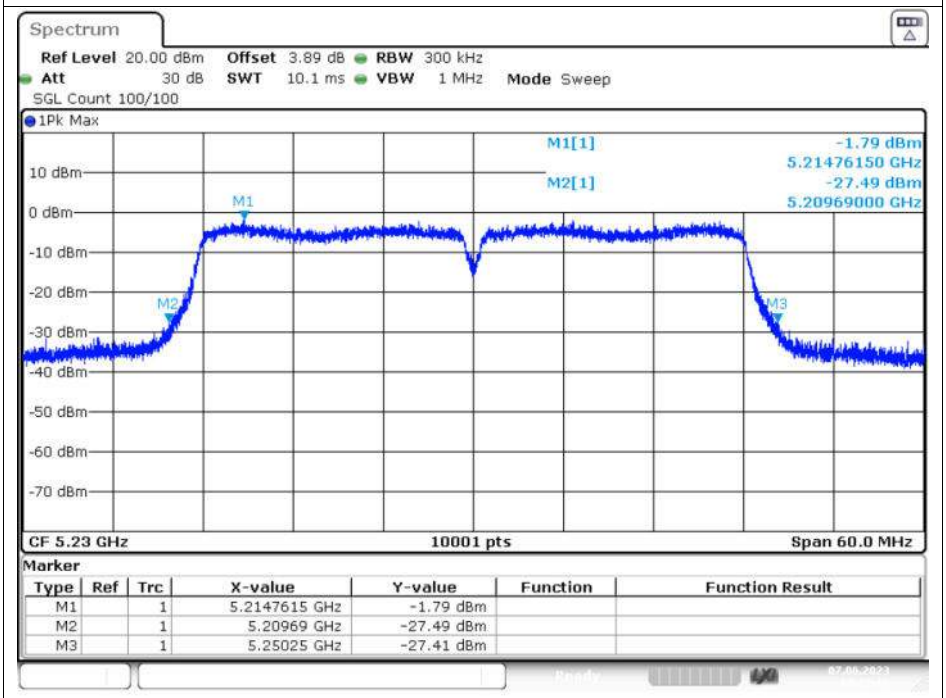
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant2



-26dB Bandwidth NVNT ac40 5230MHz Ant1



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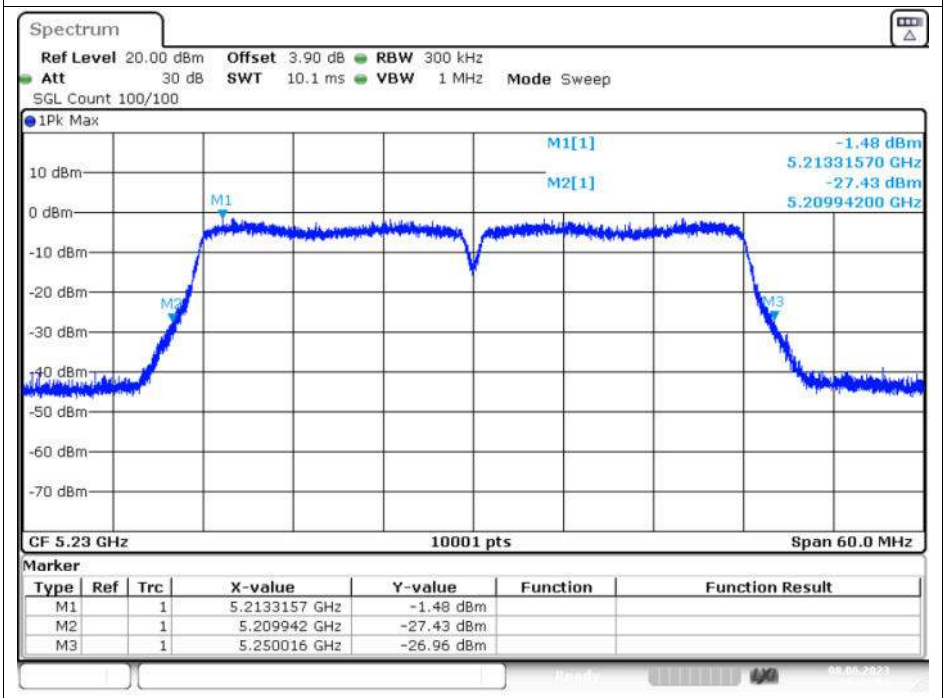
-26dB Bandwidth NVNT ac40 5230MHz Ant2



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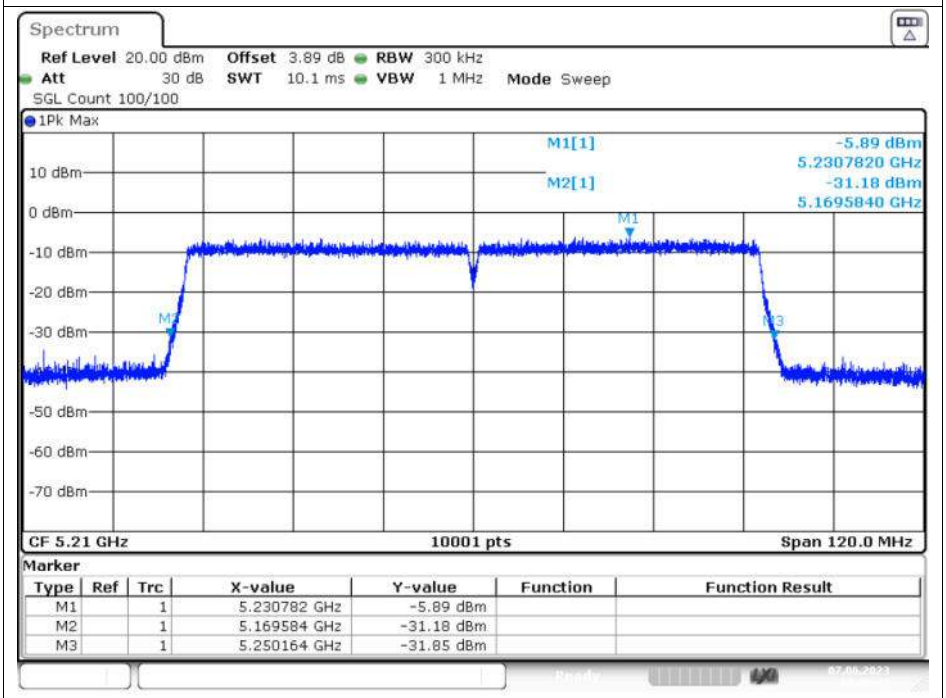
-26dB Bandwidth NVNT ac80 5210MHz Ant1



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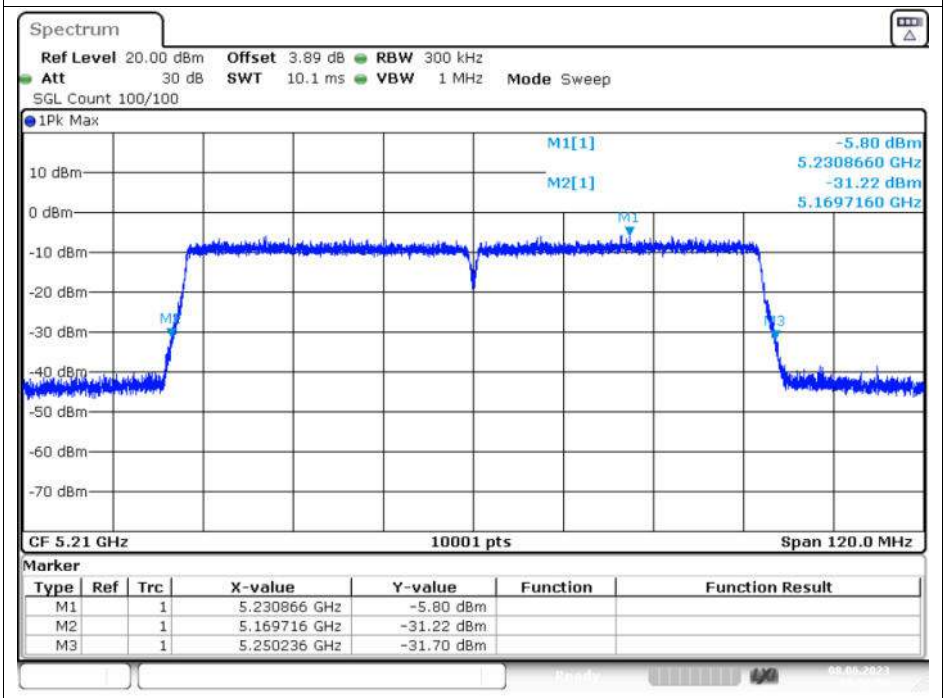
-26dB Bandwidth NVNT ac80 5210MHz Ant2



Date: 8.JUN.2023 09:50:50

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.606
NVNT	a	5180	Ant2	16.612
NVNT	a	5200	Ant1	16.606
NVNT	a	5200	Ant2	16.63
NVNT	a	5240	Ant1	16.63
NVNT	a	5240	Ant2	16.606
NVNT	n20	5180	Ant1	17.656
NVNT	n20	5180	Ant2	17.662
NVNT	n20	5200	Ant1	17.668
NVNT	n20	5200	Ant2	17.674
NVNT	n20	5240	Ant1	17.686
NVNT	n20	5240	Ant2	17.686
NVNT	n40	5190	Ant1	36.286
NVNT	n40	5190	Ant2	36.266
NVNT	n40	5230	Ant1	36.326
NVNT	n40	5230	Ant2	36.256
NVNT	ac20	5180	Ant1	17.656
NVNT	ac20	5180	Ant2	17.65
NVNT	ac20	5200	Ant1	17.674
NVNT	ac20	5200	Ant2	17.638
NVNT	ac20	5240	Ant1	17.668
NVNT	ac20	5240	Ant2	17.638
NVNT	ac40	5190	Ant1	36.296
NVNT	ac40	5190	Ant2	36.246
NVNT	ac40	5230	Ant1	36.316
NVNT	ac40	5230	Ant2	36.246
NVNT	ac80	5210	Ant1	76
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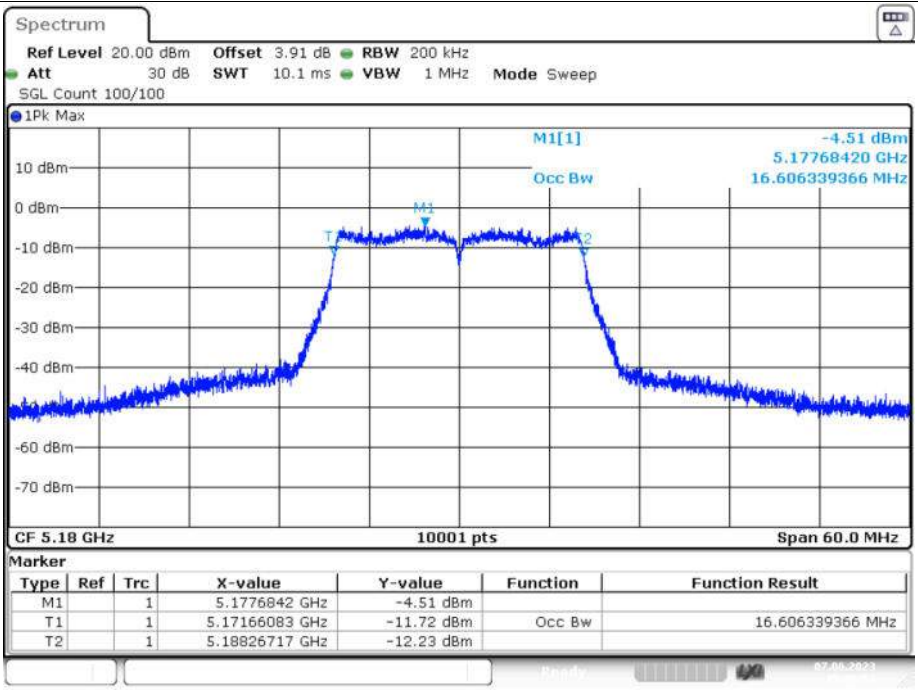
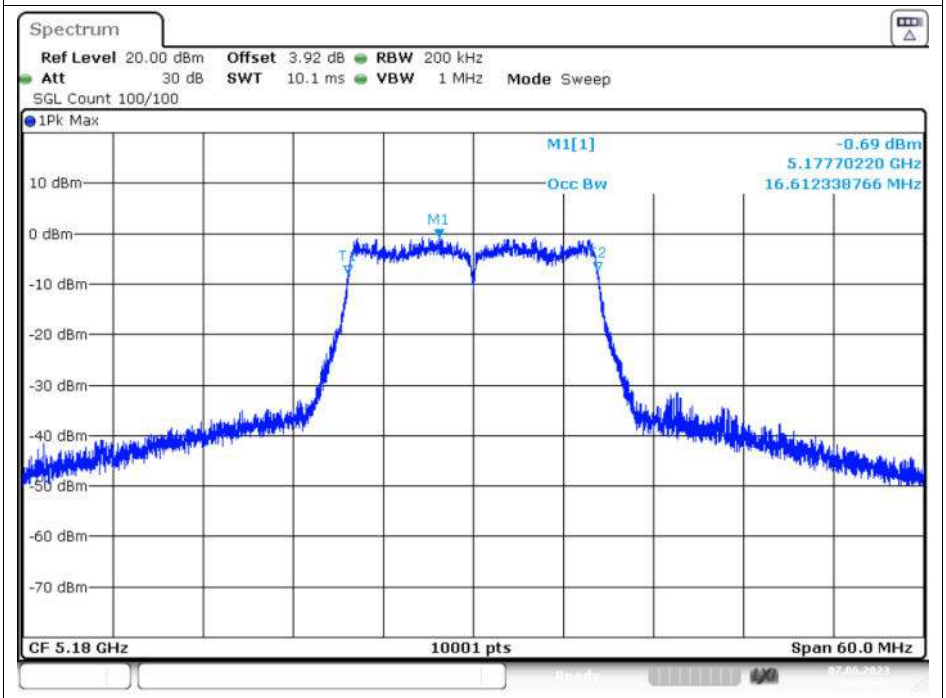
Test Graphs

OBW NVNT a 5180MHz Ant1



Date: 7.JUN.2023 15:38:52

OBW NVNT a 5180MHz Ant2



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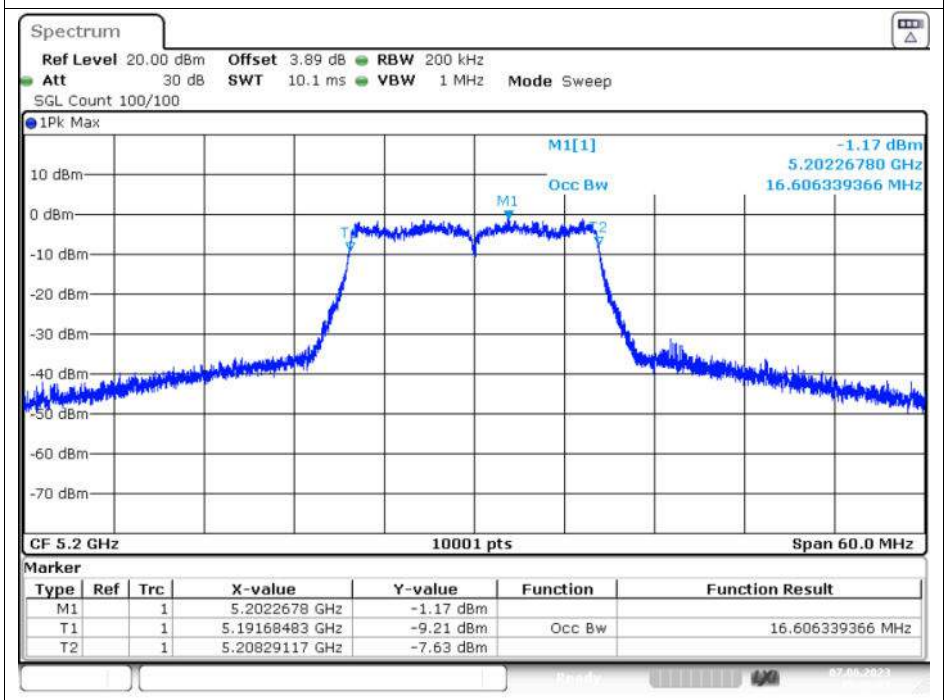
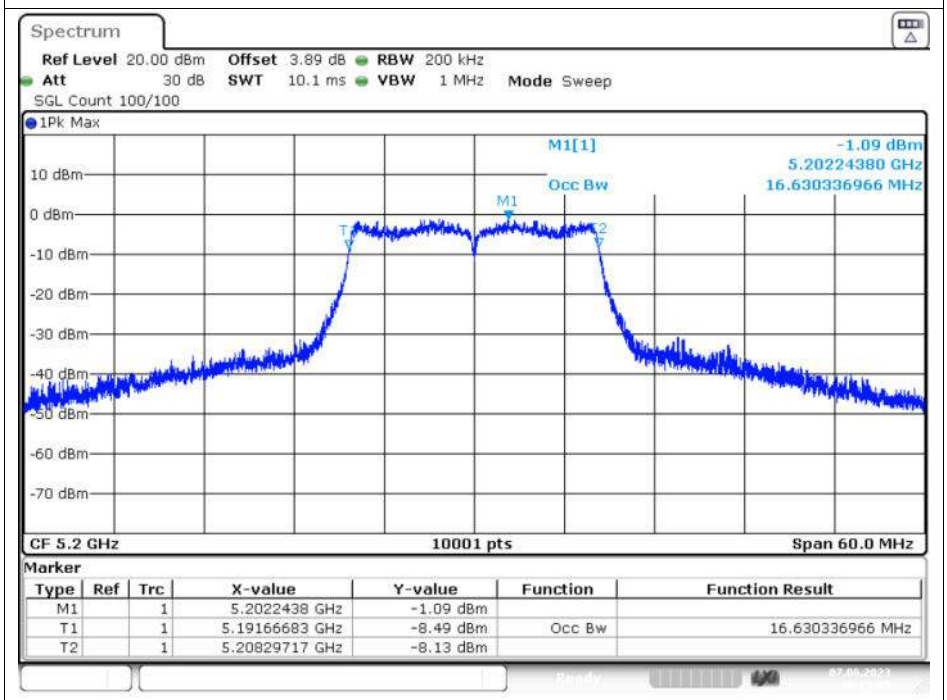
OBW NVNT a 5200MHz Ant1



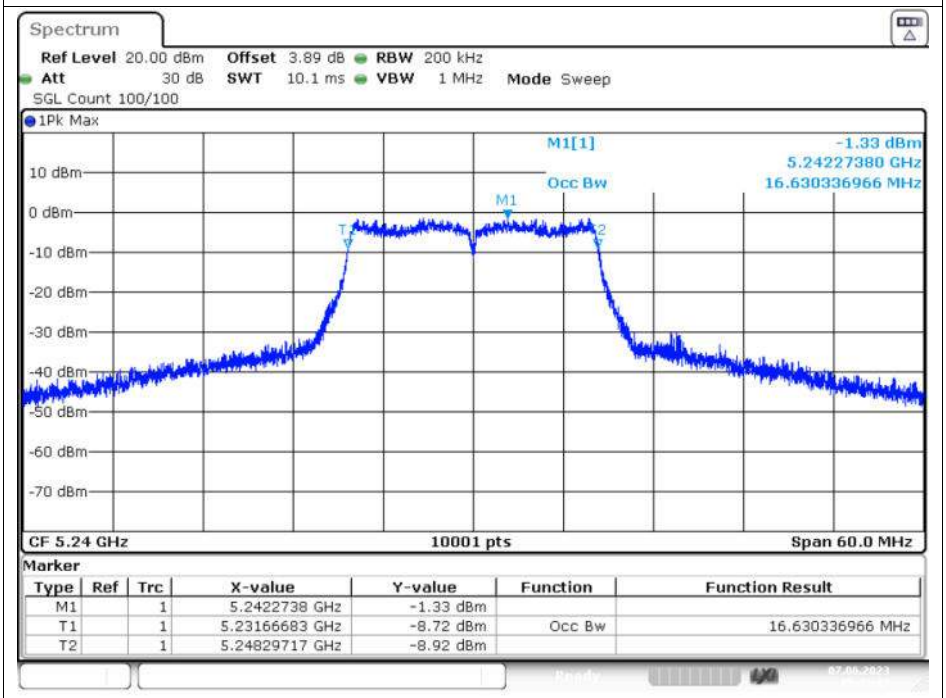
Date: 7.JUN.2023 15:38:02

OBW NVNT a 5200MHz Ant2



Date: 7.JUN.2023 18:13:05

OBW NVNT a 5240MHz Ant1



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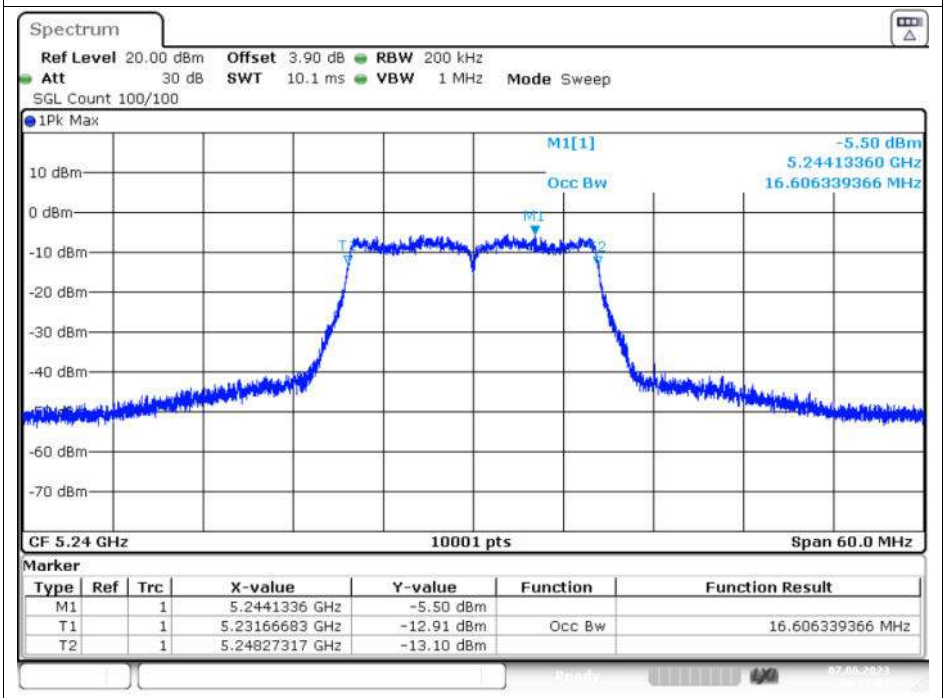
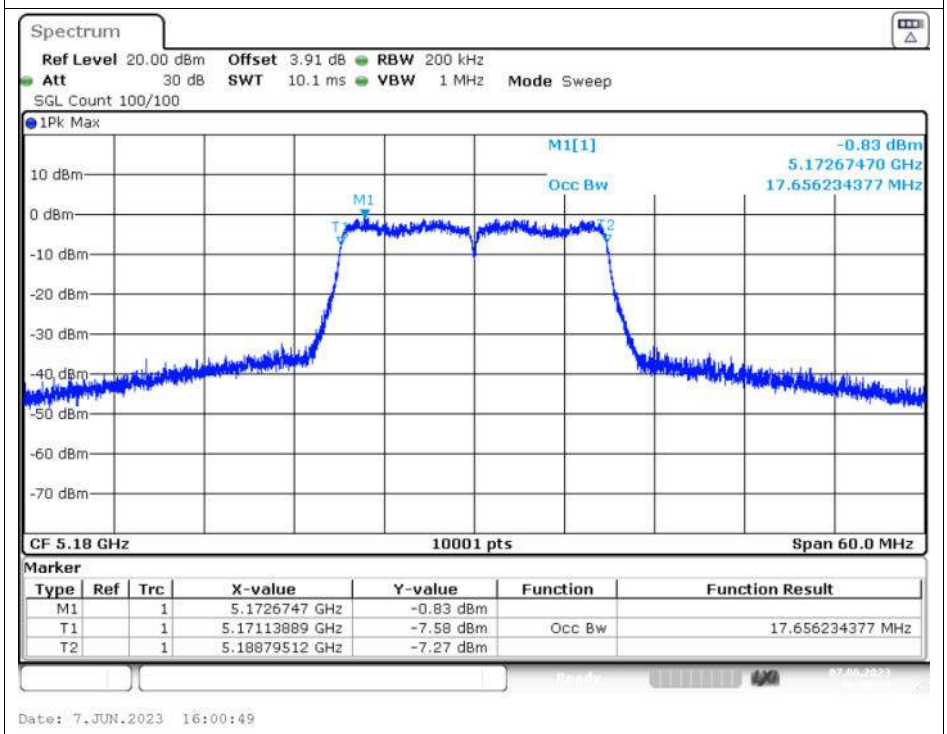
OBW NVNT a 5240MHz Ant2

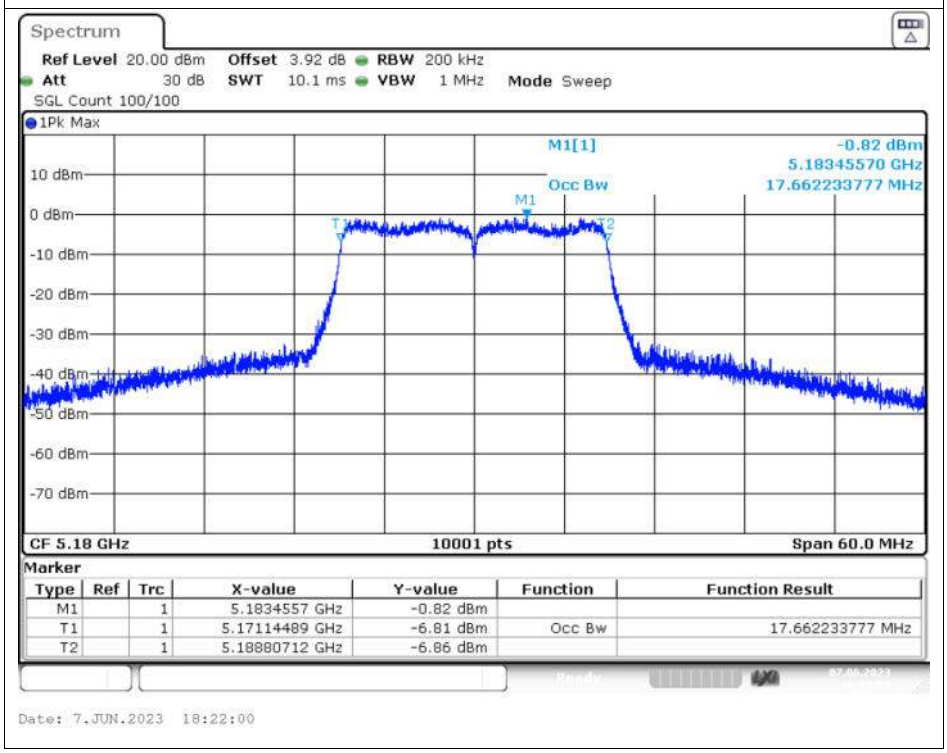


Date: 7.JUN.2023 18:17:21

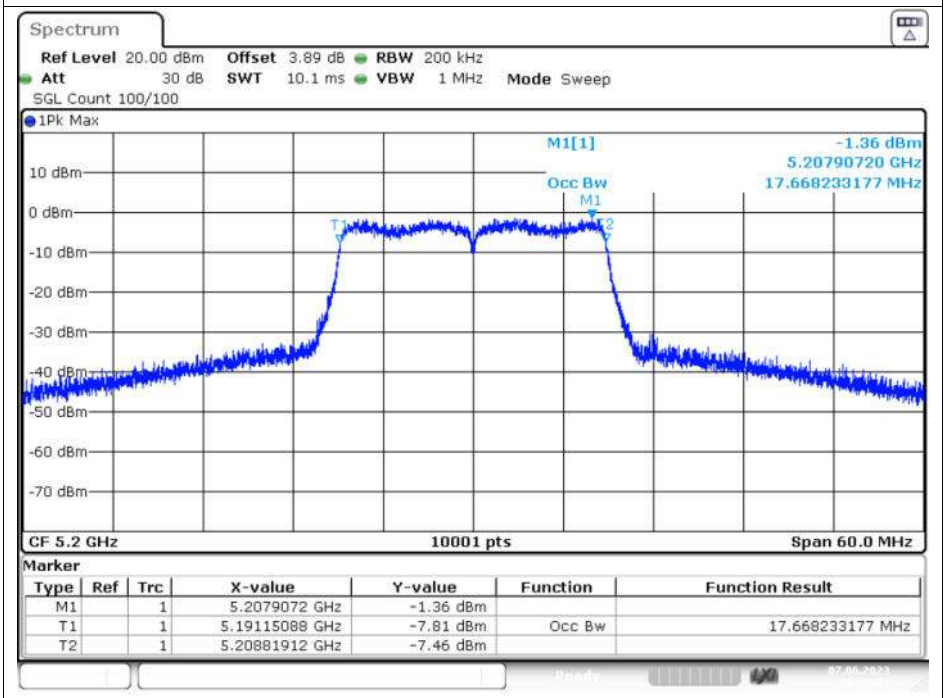
OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5180MHz Ant2

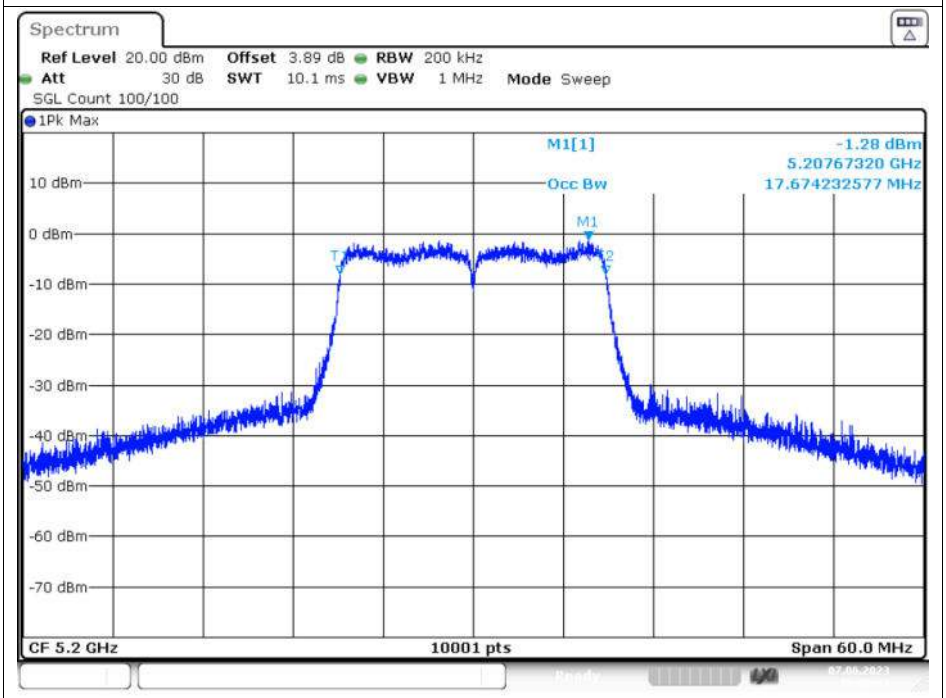


OBW NVNT n20 5200MHz Ant1



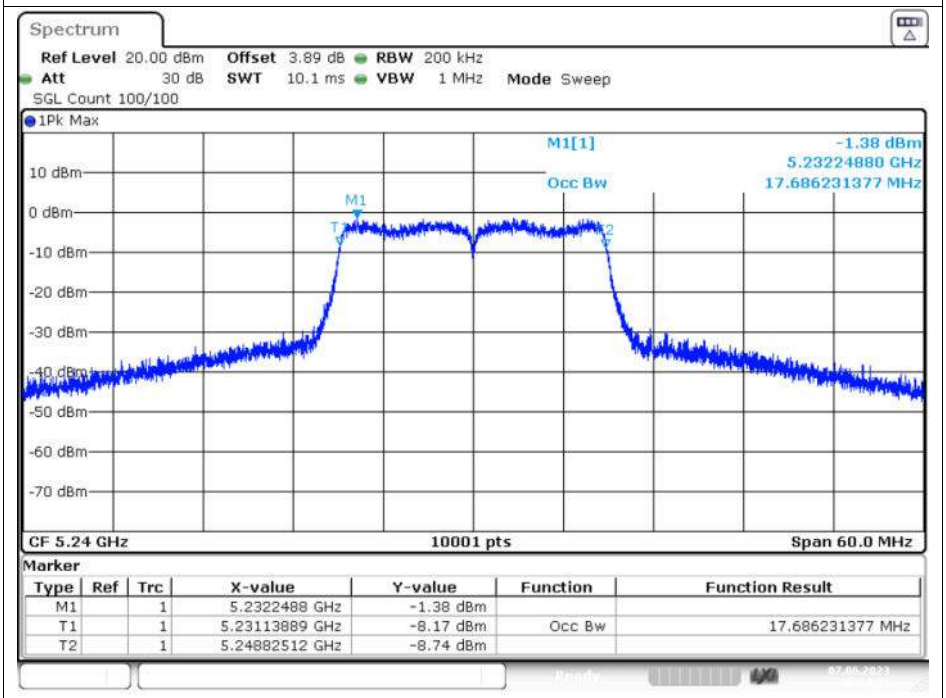
Date: 7.JUN.2023 16:30:02

OBW NVNT n20 5200MHz Ant2



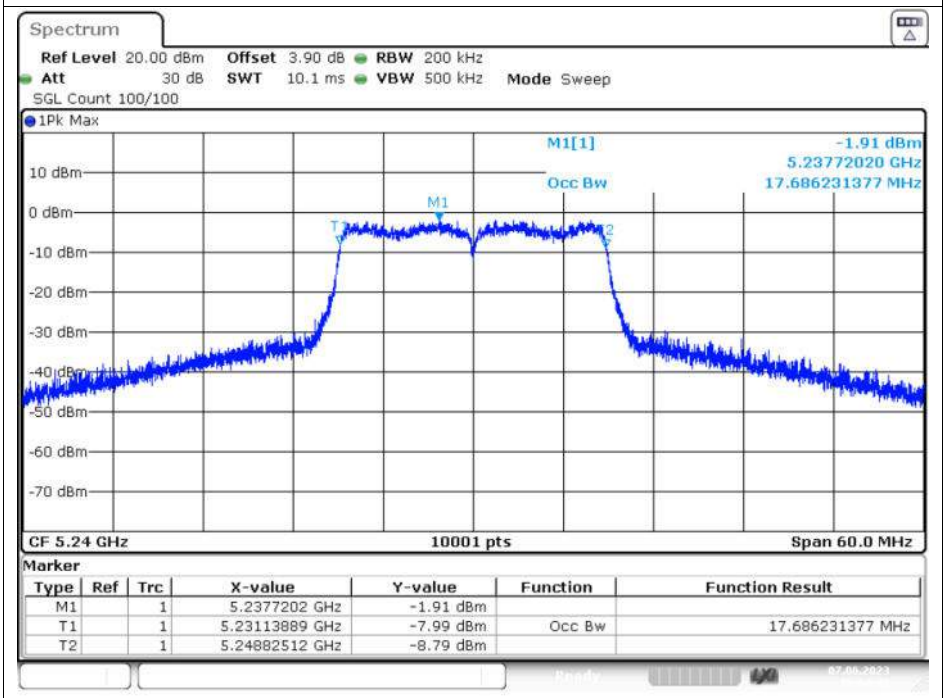
Date: 7.JUN.2023 19:00:31

OBW NVNT n20 5240MHz Ant1



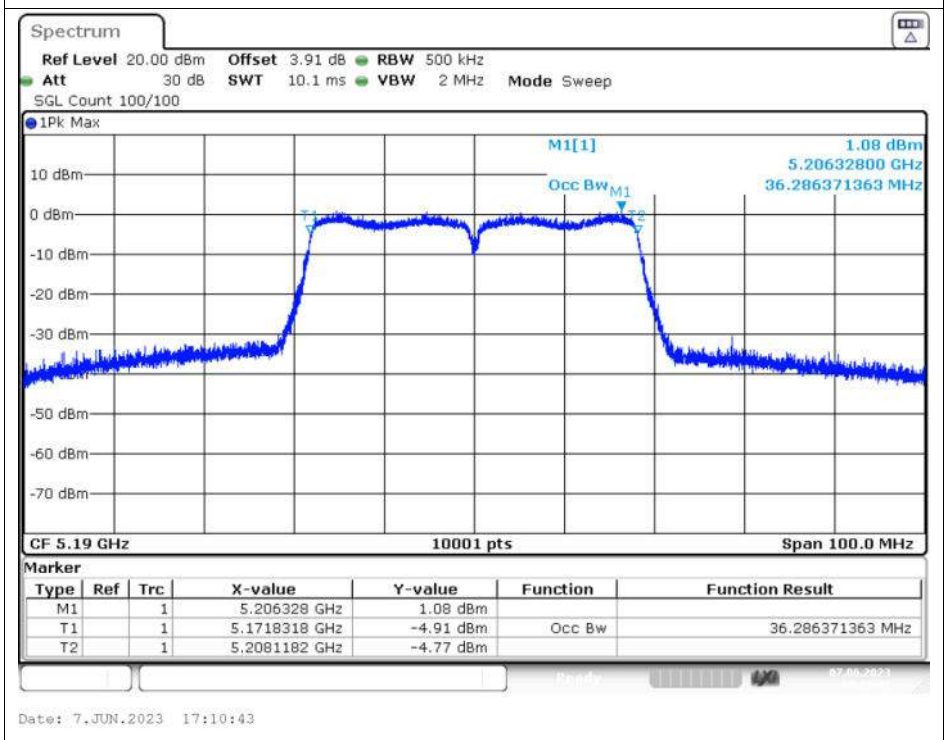
Date: 7.JUN.2023 16:34:29

OBW NVNT n20 5240MHz Ant2

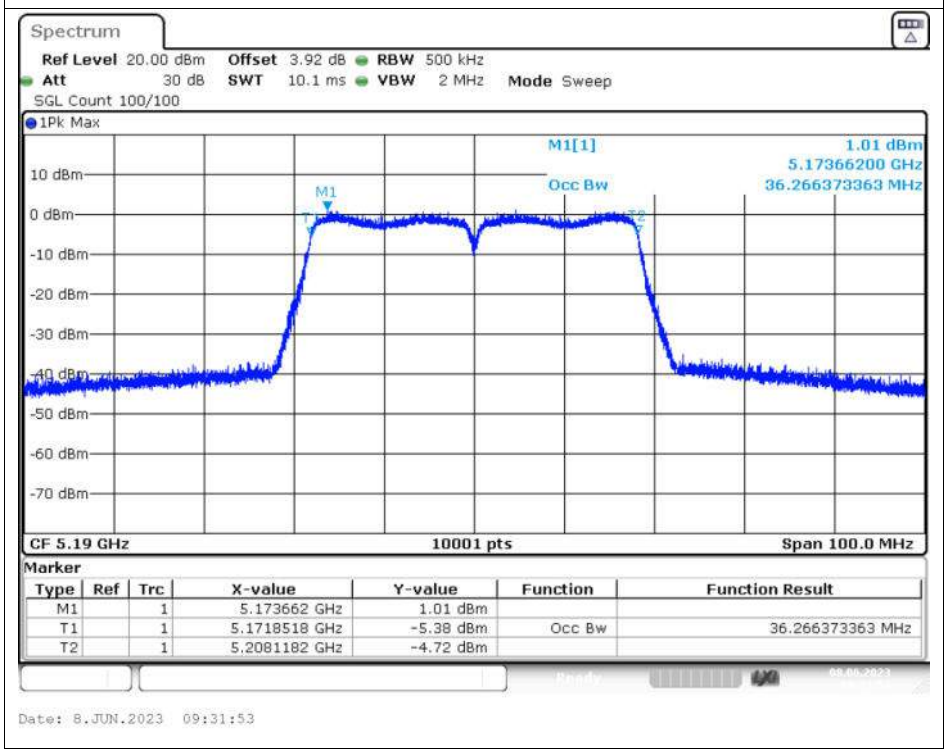


Date: 7.JUN.2023 19:04:40

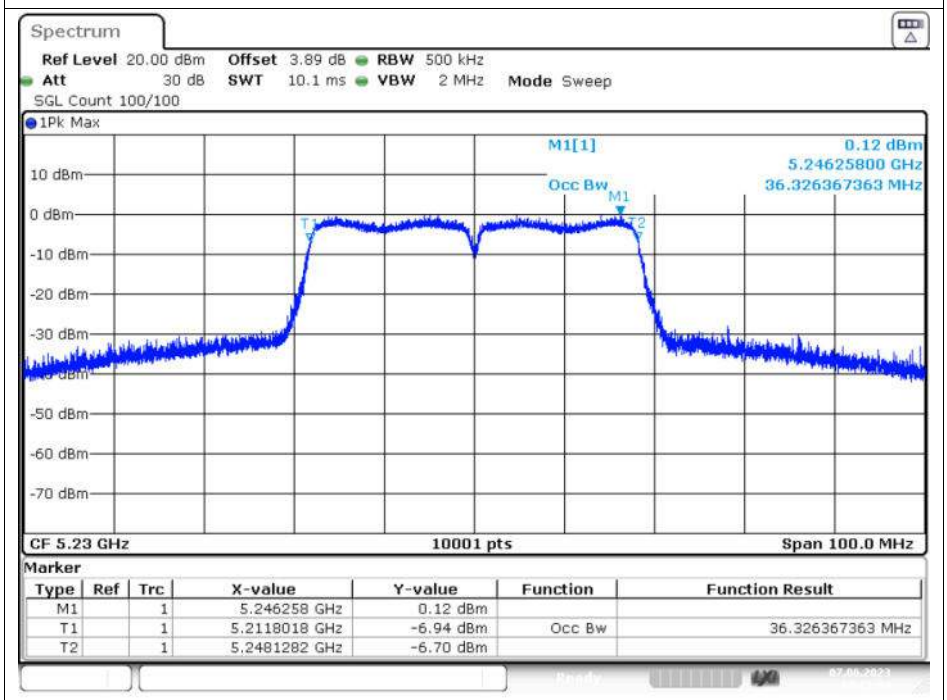
OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant1



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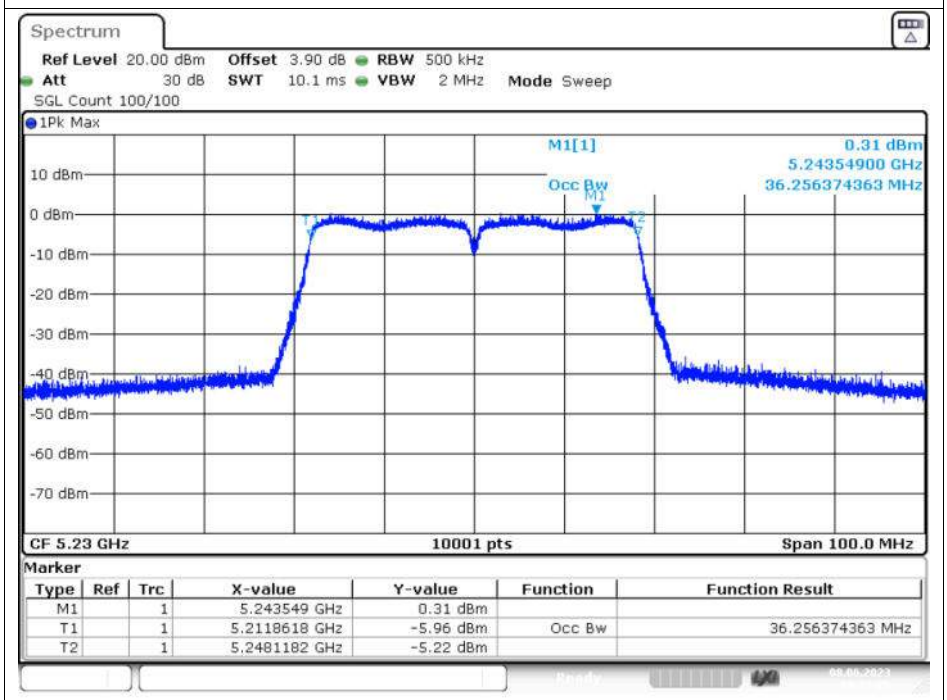
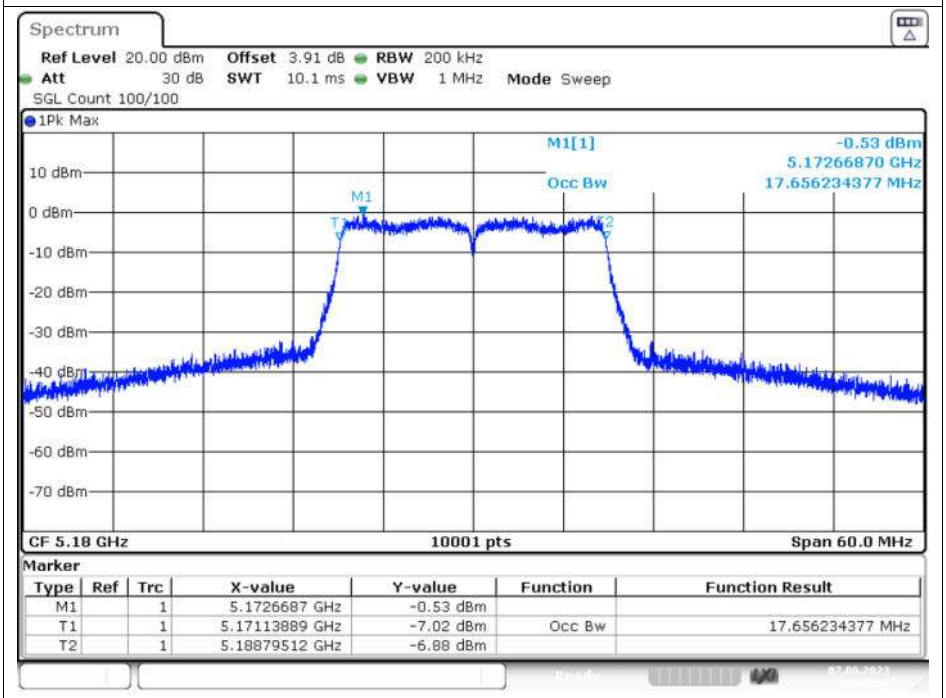
OBW NVNT n40 5230MHz Ant2

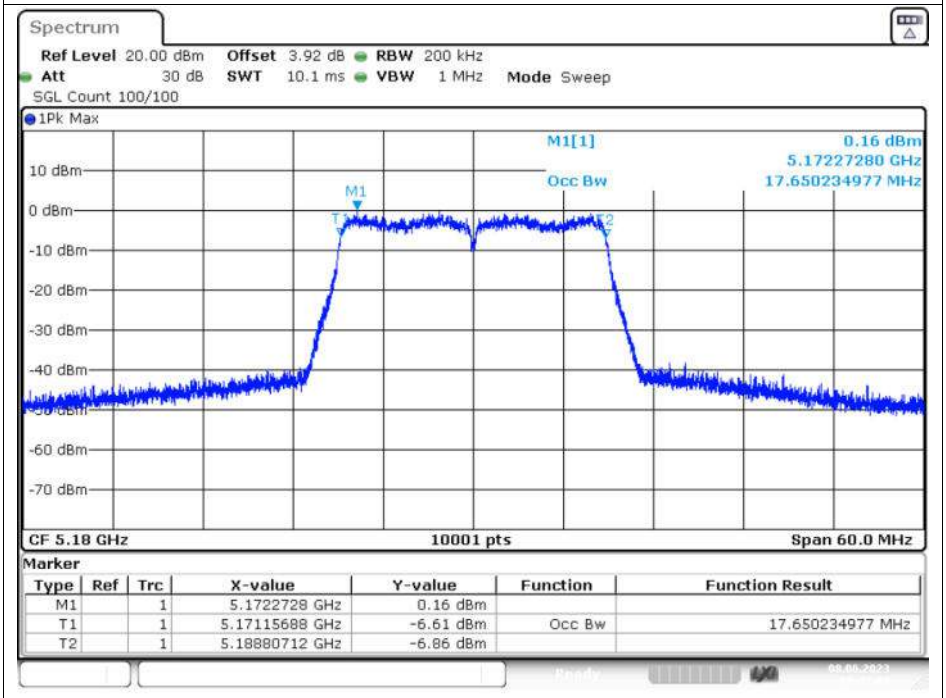


Date: 8.JUN.2023 09:37:26

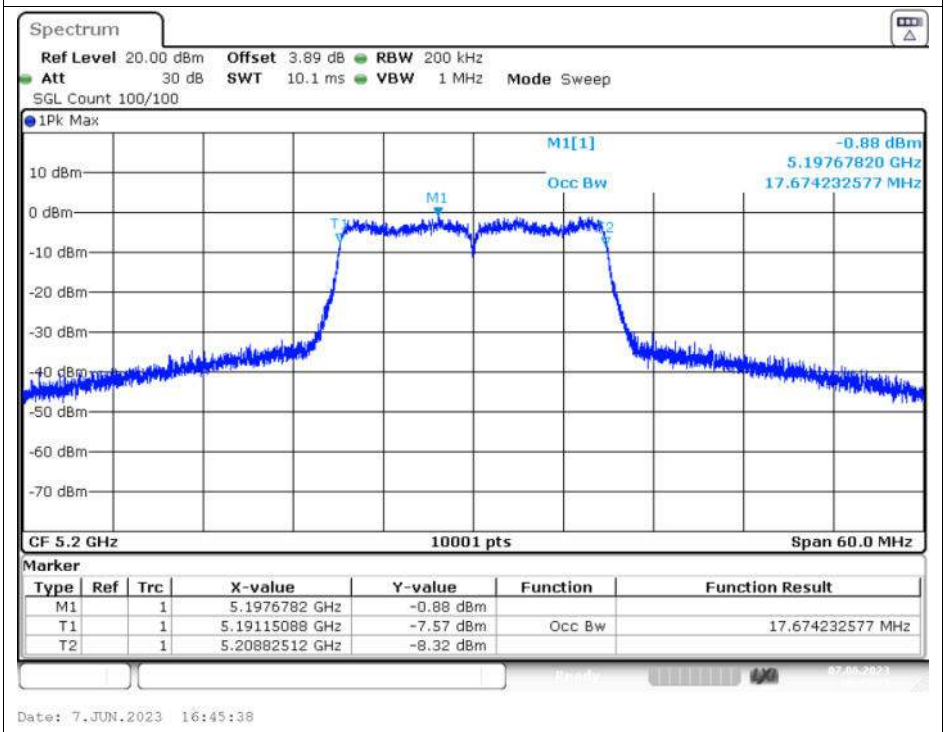
OBW NVNT ac20 5180MHz Ant1



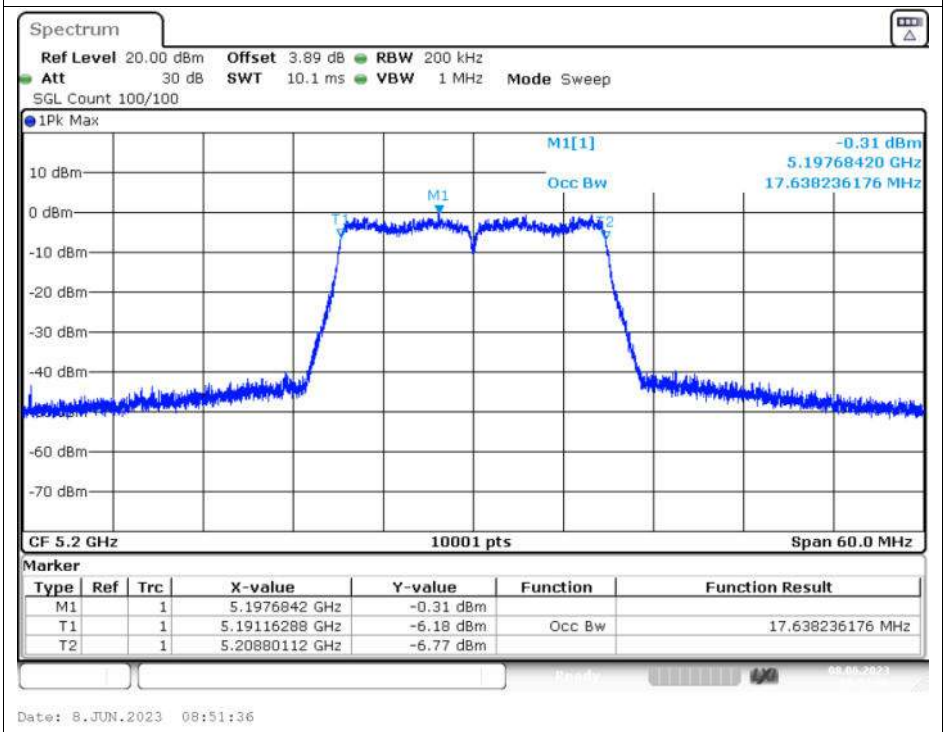
OBW NVNT ac20 5180MHz Ant2



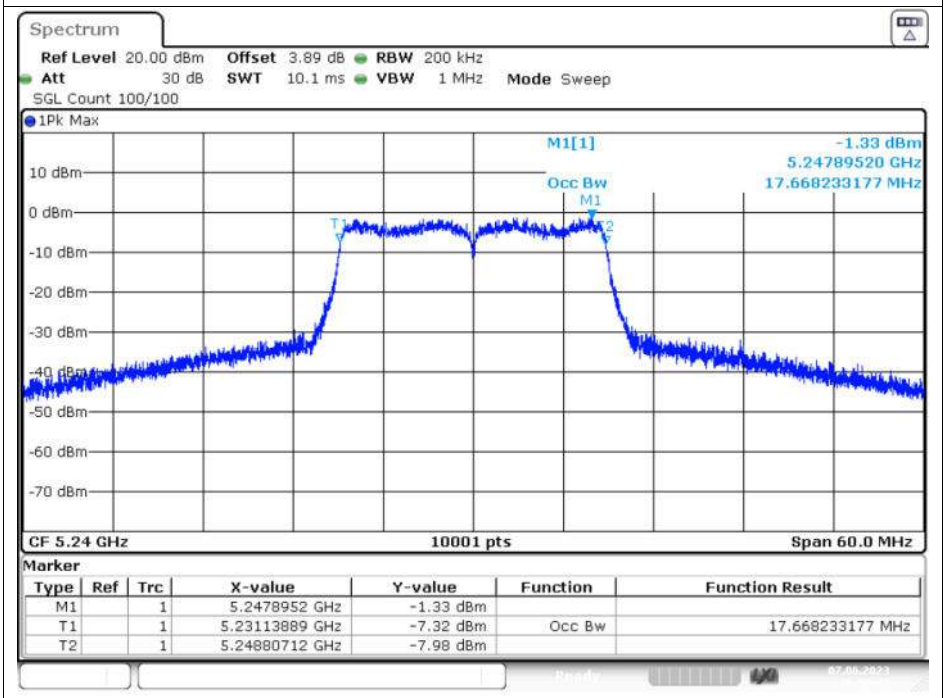
OBW NVNT ac20 5200MHz Ant1



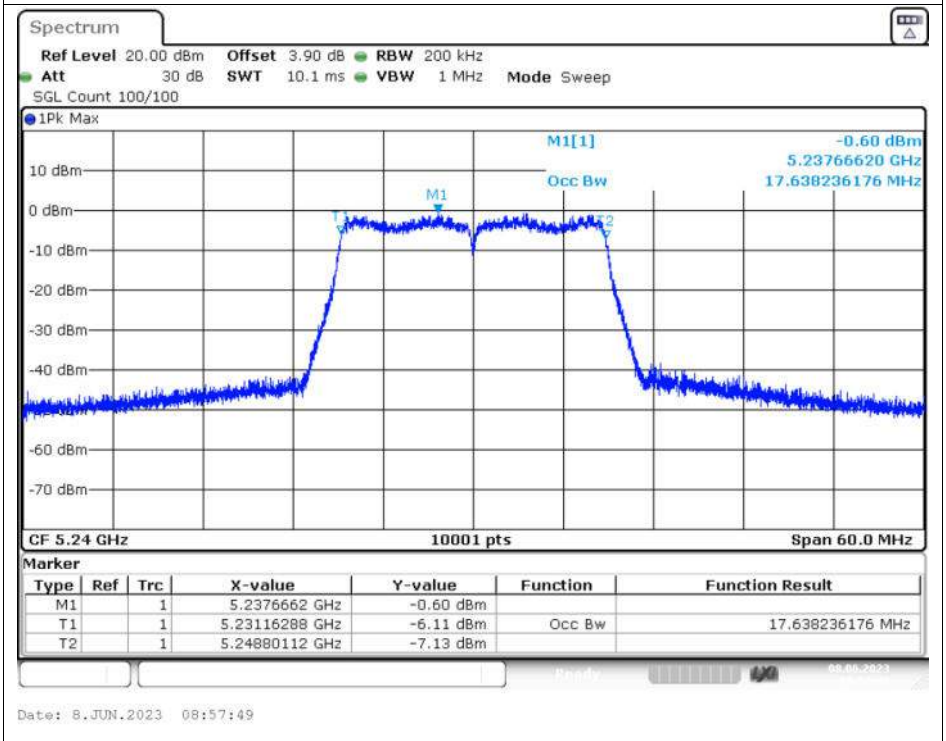
OBW NVNT ac20 5200MHz Ant2



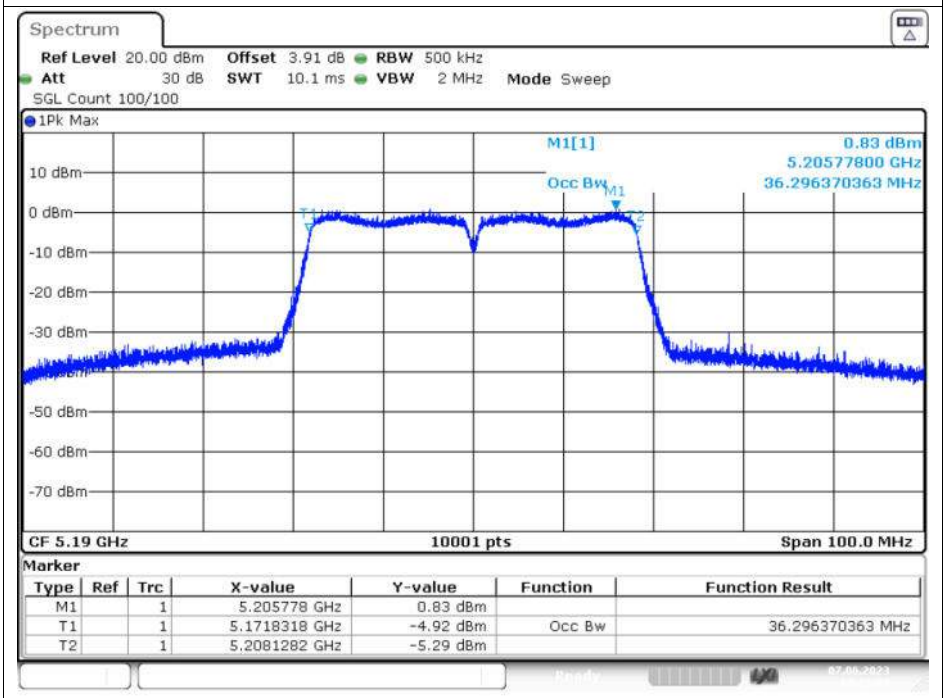
OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac20 5240MHz Ant2



OBW NVNT ac40 5190MHz Ant1



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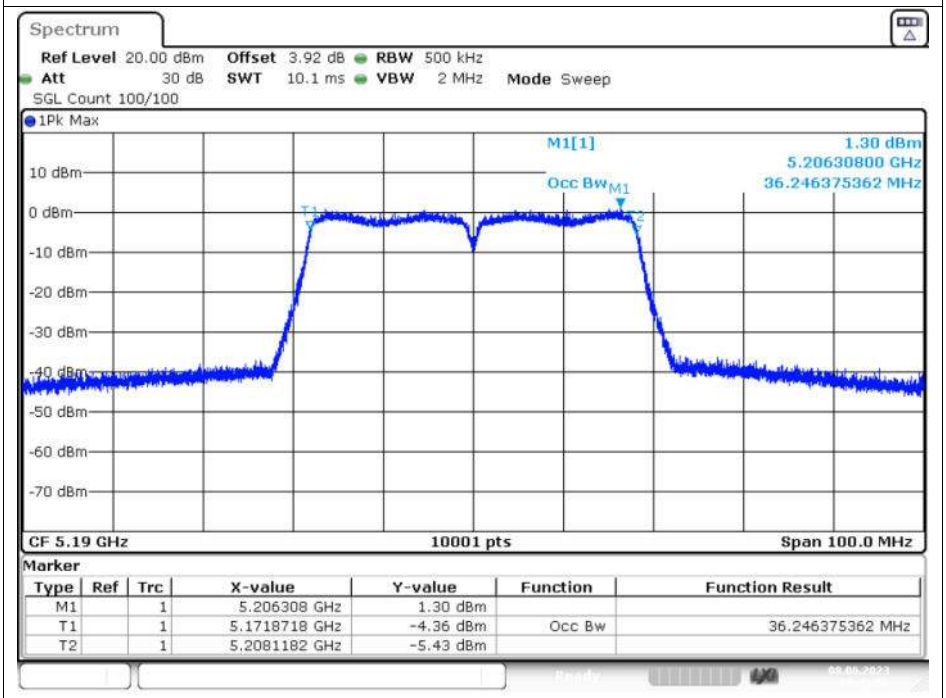
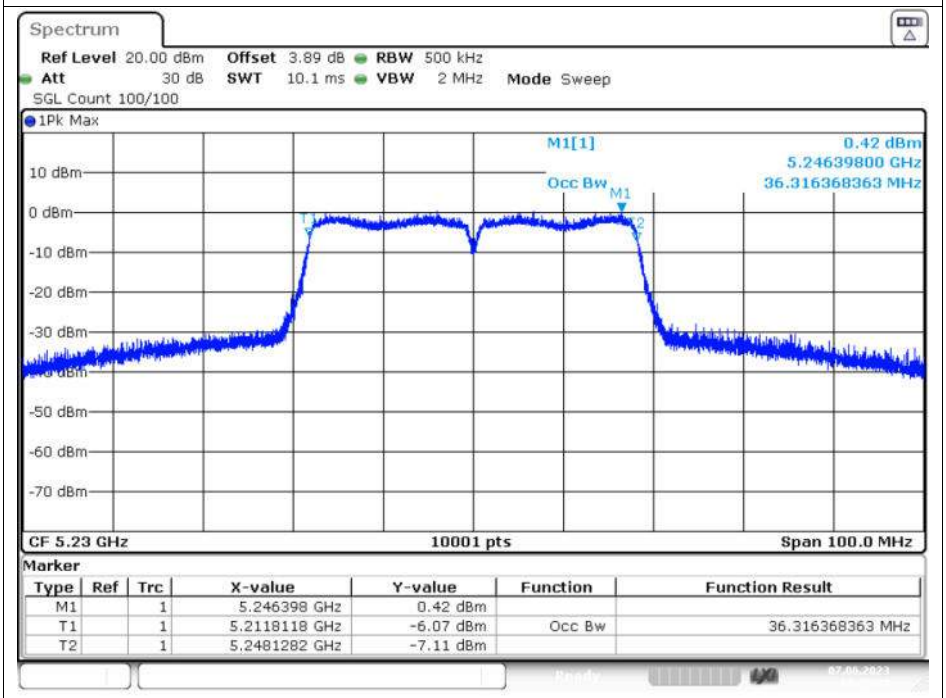
OBW NVNT ac40 5190MHz Ant2



Date: 8.JUN.2023 09:42:57

OBW NVNT ac40 5230MHz Ant1



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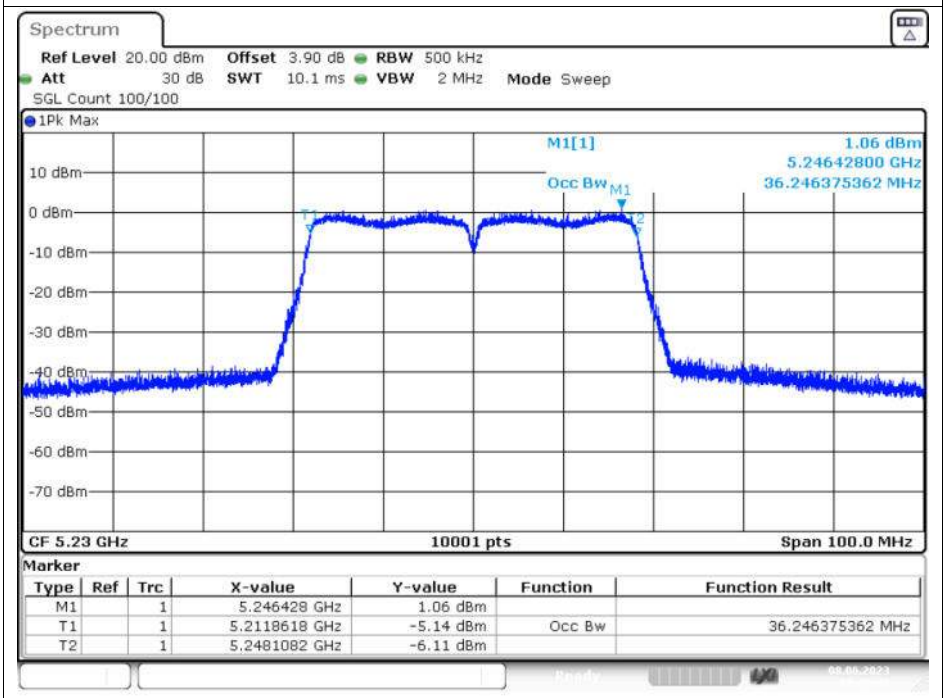
OBW NVNT ac40 5230MHz Ant2



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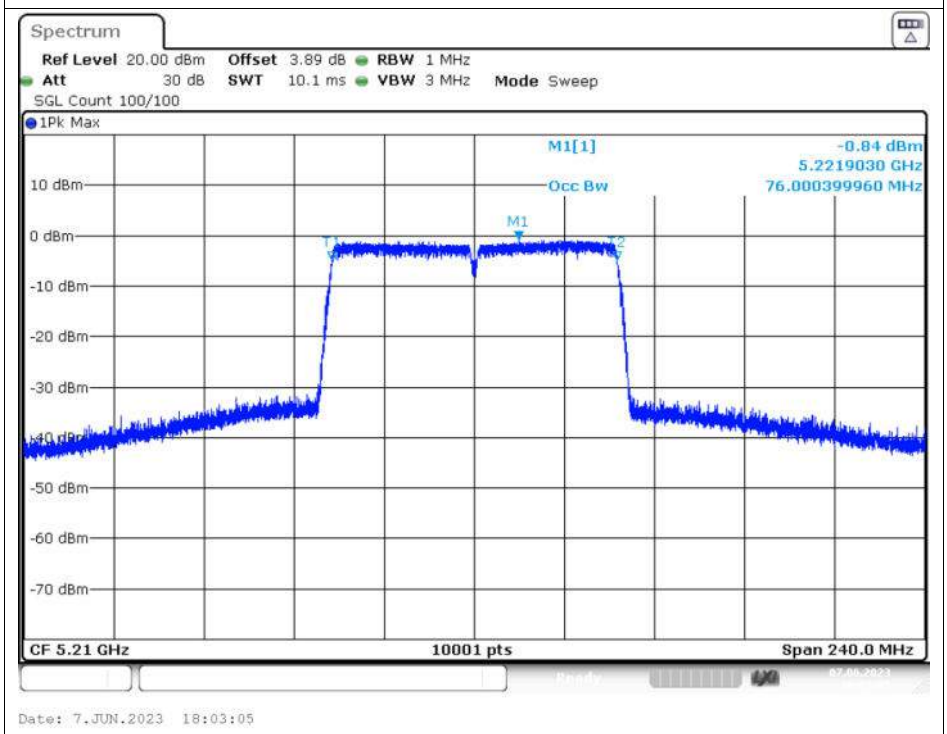
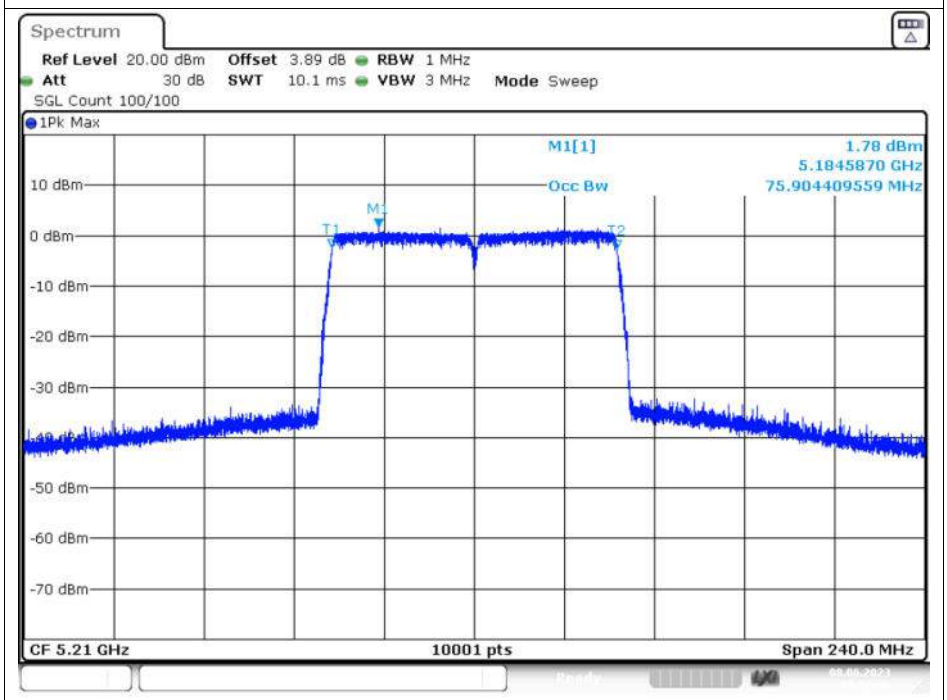
OBW NVNT ac80 5210MHz Ant1



Date: 7.JUN.2023 18:03:05

OBW NVNT ac80 5210MHz Ant2



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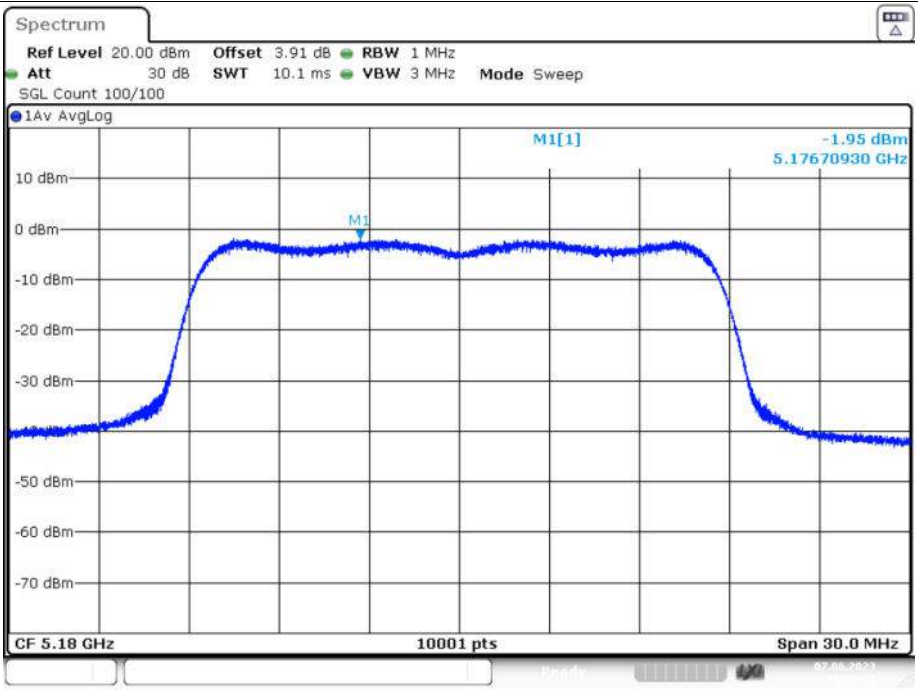
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.95	0	-1.95	11	Pass
NVNT	a	5180	Ant2	-1.13	0	-1.13	11	Pass
NVNT	a	5200	Ant1	-2.42	0	-2.42	11	Pass
NVNT	a	5200	Ant2	-2.4	0	-2.4	11	Pass
NVNT	a	5240	Ant1	-2.81	0	-2.81	11	Pass
NVNT	a	5240	Ant2	-3.81	0	-3.81	11	Pass
NVNT	n20	5180	Ant1	-1.94	0	-1.94	11	Pass
NVNT	n20	5180	Ant2	-2.19	0	-2.19	11	Pass
NVNT	n20	5180	Sum	0.95	-	0.95	11	Pass
NVNT	n20	5200	Ant1	-2.34	0	-2.34	11	Pass
NVNT	n20	5200	Ant2	-2.84	0	-2.84	11	Pass
NVNT	n20	5200	Sum	0.43	-	0.43	11	Pass
NVNT	n20	5240	Ant1	-2.83	0	-2.83	11	Pass
NVNT	n20	5240	Ant2	-3.14	0	-3.14	11	Pass
NVNT	n20	5240	Sum	0.03	-	0.03	11	Pass
NVNT	n40	5190	Ant1	-5.02	0	-5.02	11	Pass
NVNT	n40	5190	Ant2	-4.87	0	-4.87	11	Pass
NVNT	n40	5190	Sum	-1.93	-	-1.93	11	Pass
NVNT	n40	5230	Ant1	-6.27	0	-6.27	11	Pass
NVNT	n40	5230	Ant2	-5.37	0	-5.37	11	Pass
NVNT	n40	5230	Sum	-2.79	-	-2.79	11	Pass
NVNT	ac20	5180	Ant1	-1.75	0	-1.75	11	Pass
NVNT	ac20	5180	Ant2	-1.96	0	-1.96	11	Pass
NVNT	ac20	5180	Sum	1.16	-	1.16	11	Pass
NVNT	ac20	5200	Ant1	-2.51	0	-2.51	11	Pass
NVNT	ac20	5200	Ant2	-1.76	0	-1.76	11	Pass
NVNT	ac20	5200	Sum	0.89	-	0.89	11	Pass
NVNT	ac20	5240	Ant1	-2.58	0	-2.58	11	Pass
NVNT	ac20	5240	Ant2	-2.26	0	-2.26	11	Pass
NVNT	ac20	5240	Sum	0.59	-	0.59	11	Pass
NVNT	ac40	5190	Ant1	-4.93	0	-4.93	11	Pass
NVNT	ac40	5190	Ant2	-4.6	0	-4.6	11	Pass
NVNT	ac40	5190	Sum	-1.75	-	-1.75	11	Pass
NVNT	ac40	5230	Ant1	-5.58	0	-5.58	11	Pass
NVNT	ac40	5230	Ant2	-5.15	0	-5.15	11	Pass
NVNT	ac40	5230	Sum	-2.35	-	-2.35	11	Pass
NVNT	ac80	5210	Ant1	-10.02	0	-10.02	11	Pass
NVNT	ac80	5210	Ant2	-8	0	-8	11	Pass

NVNT	ac80	5210	Sum	-5.88	-	-5.88	11	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



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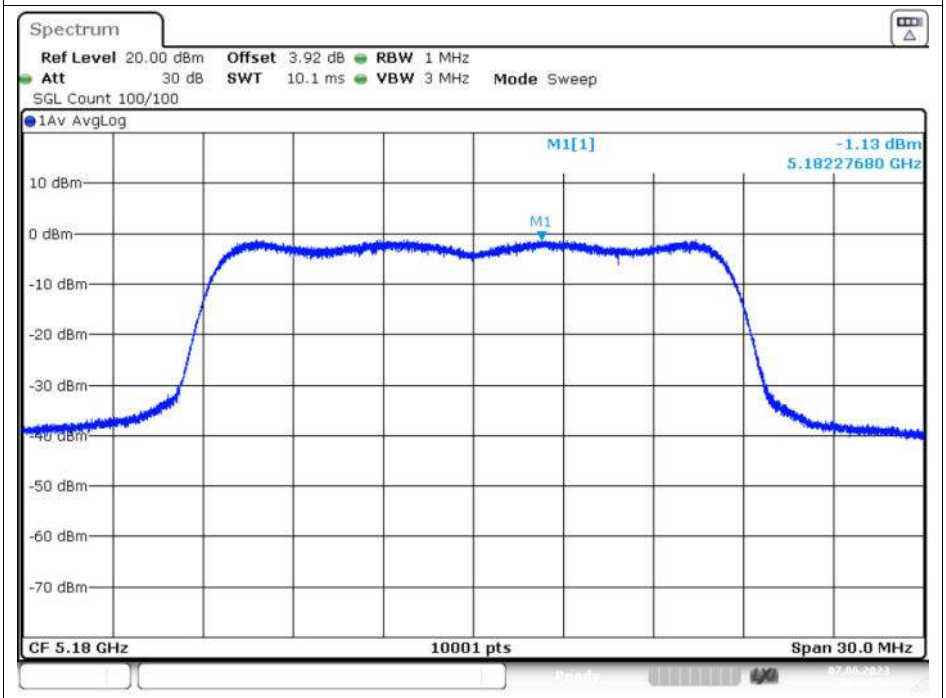
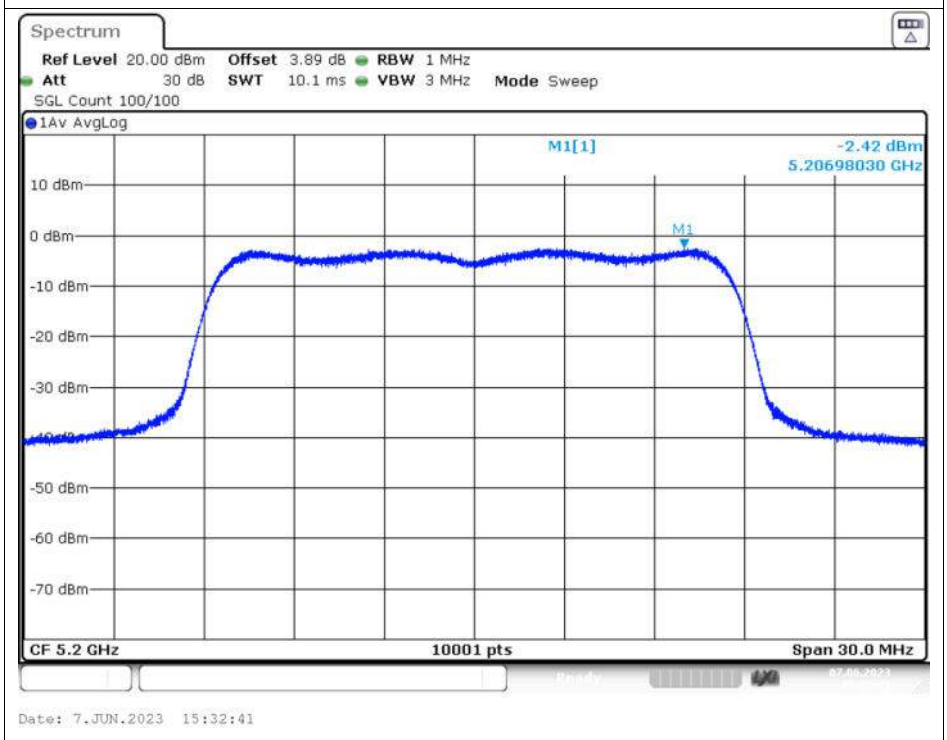
PSD NVNT a 5180MHz Ant2

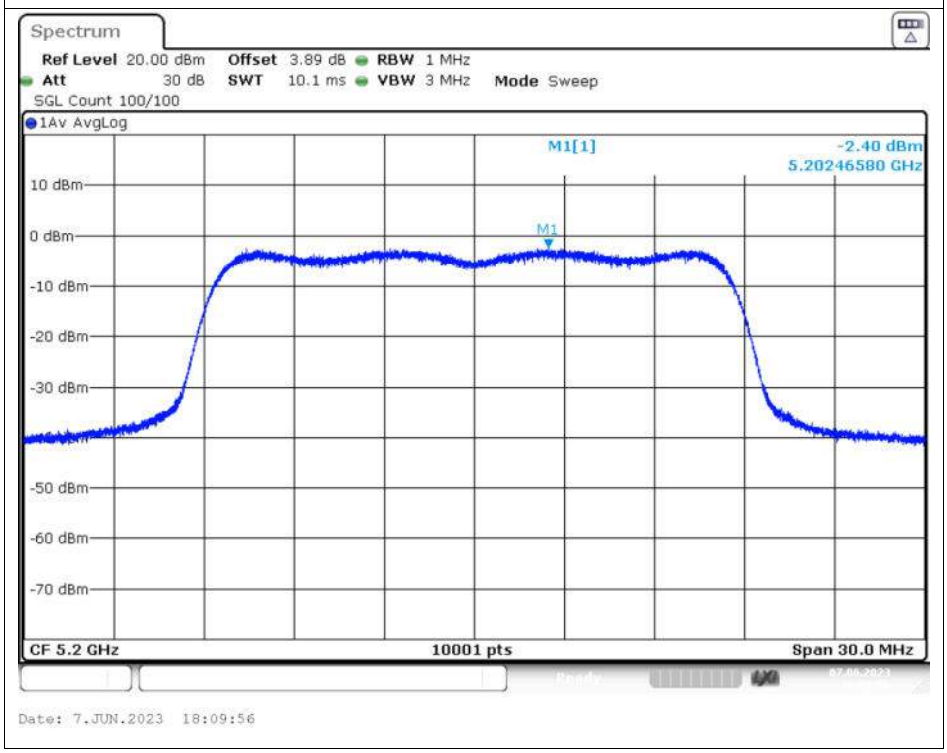


Date: 7.JUN.2023 18:04:54

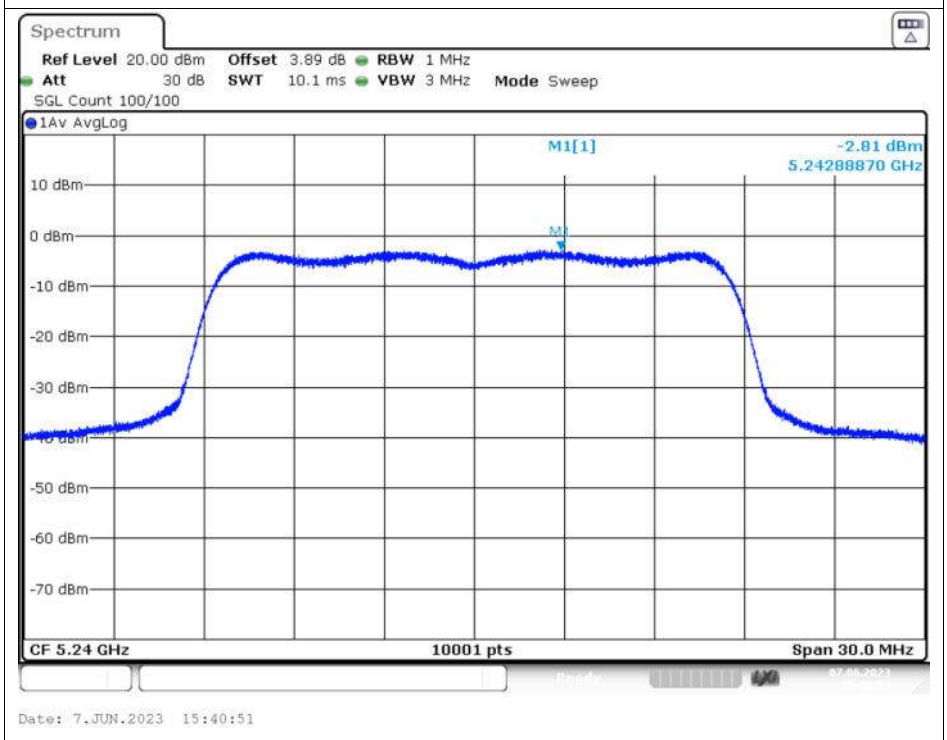
PSD NVNT a 5200MHz Ant1



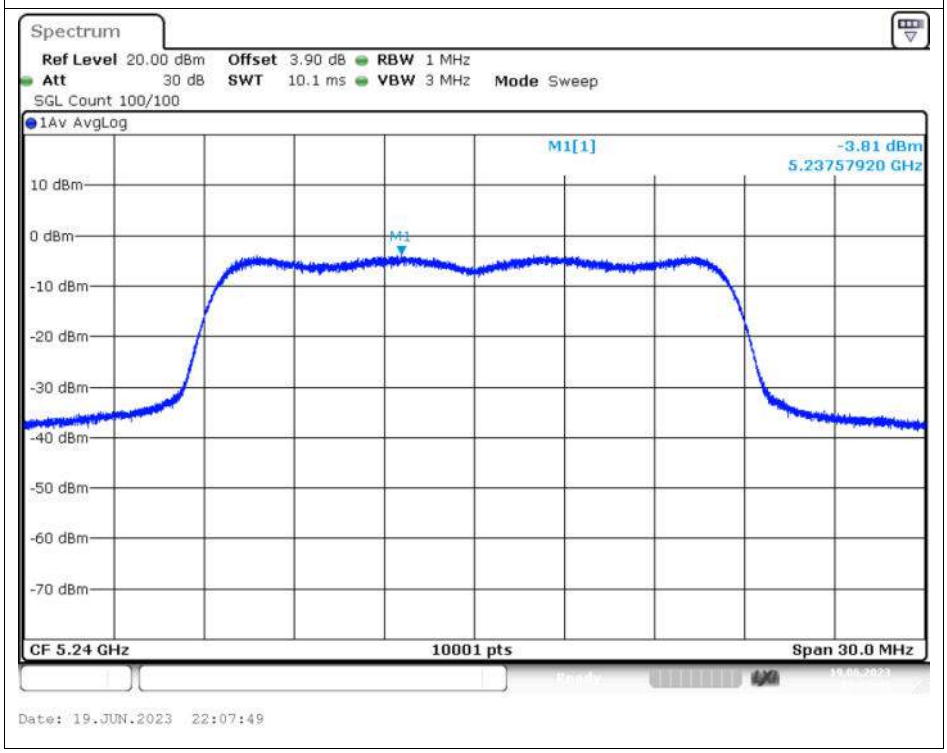
PSD NVNT a 5200MHz Ant2



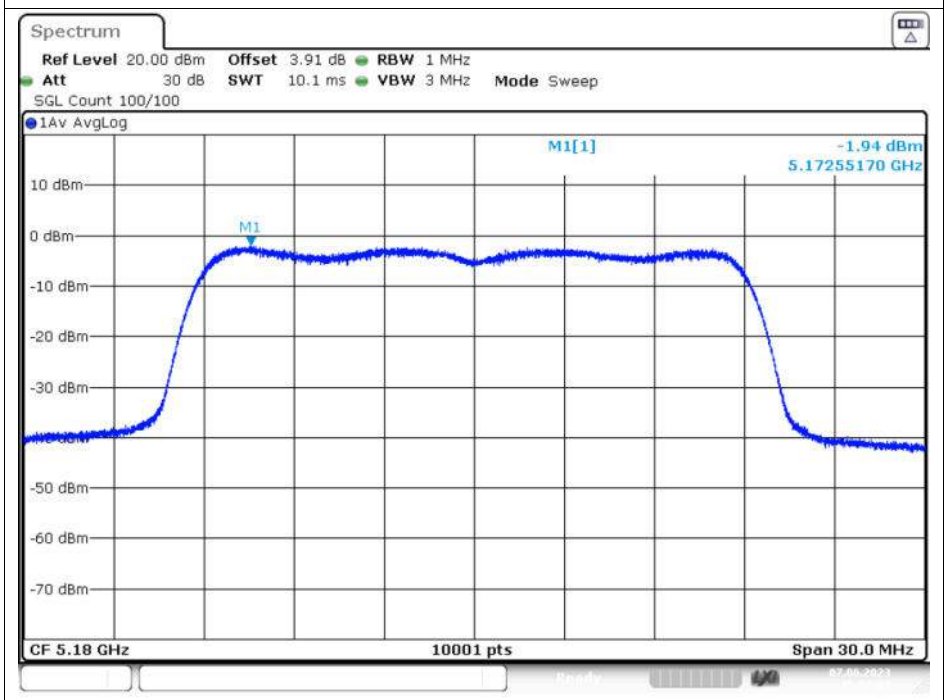
PSD NVNT a 5240MHz Ant1



PSD NVNT a 5240MHz Ant2



PSD NVNT n20 5180MHz Ant1



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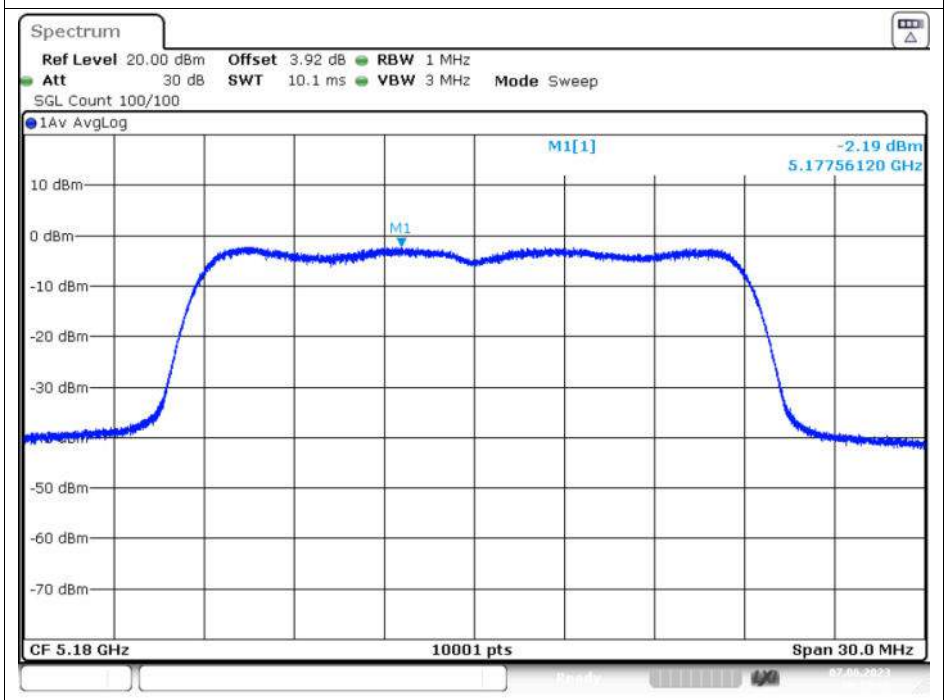
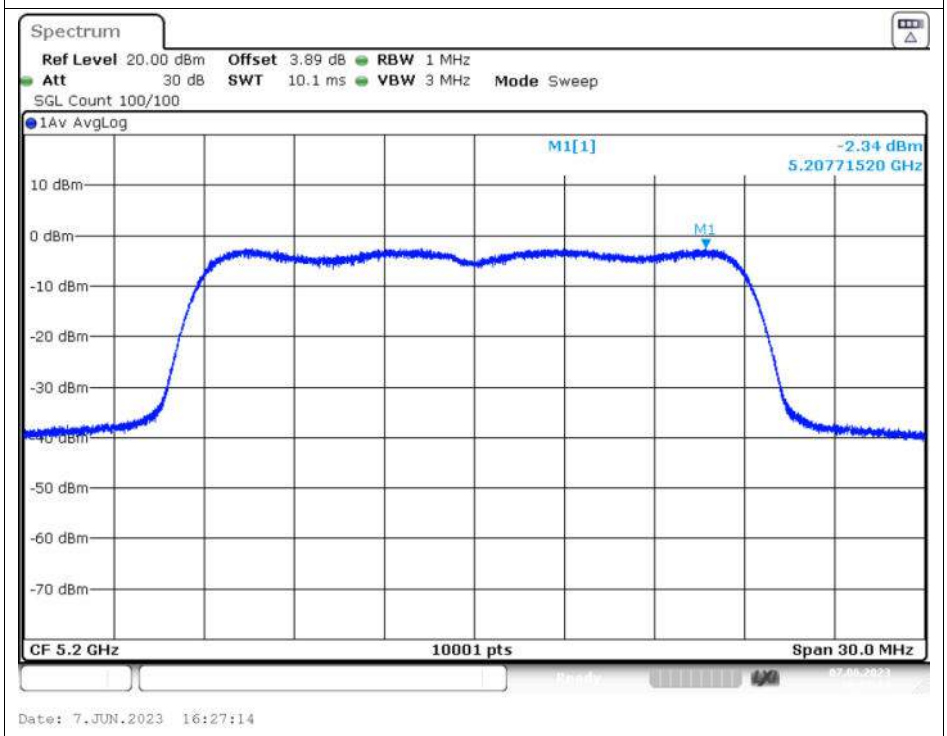
PSD NVNT n20 5180MHz Ant2

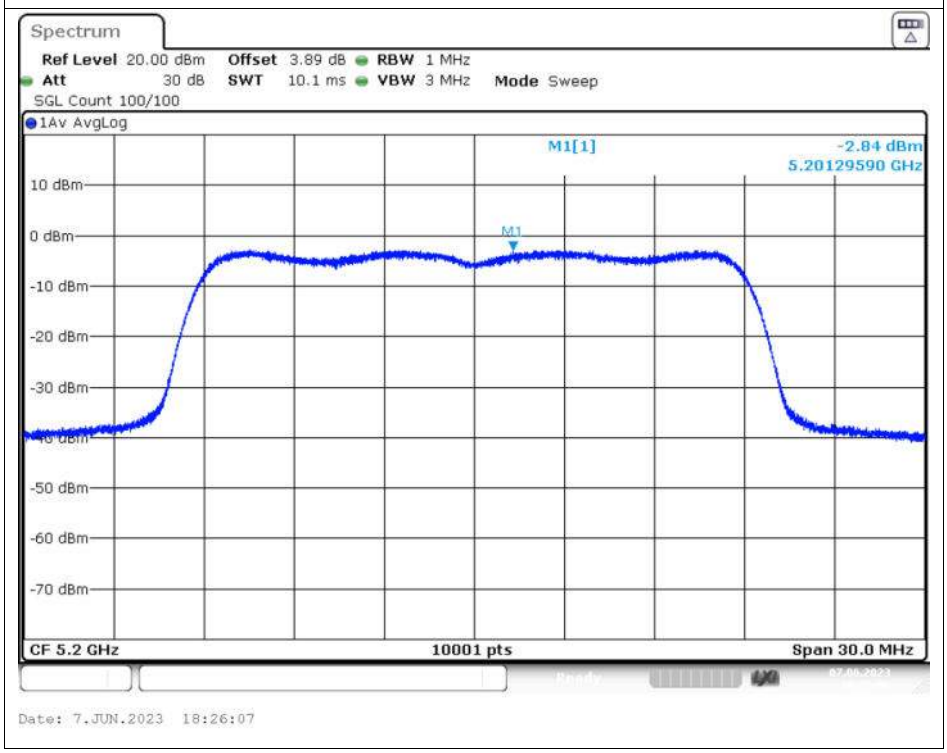


Date: 7.JUN.2023 18:19:09

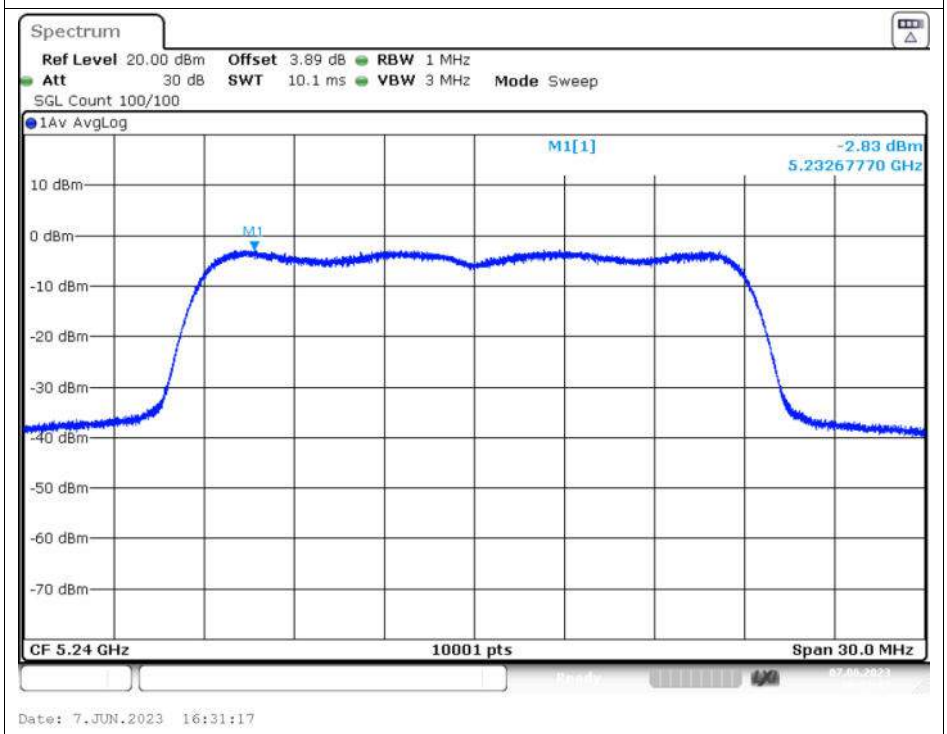
PSD NVNT n20 5200MHz Ant1



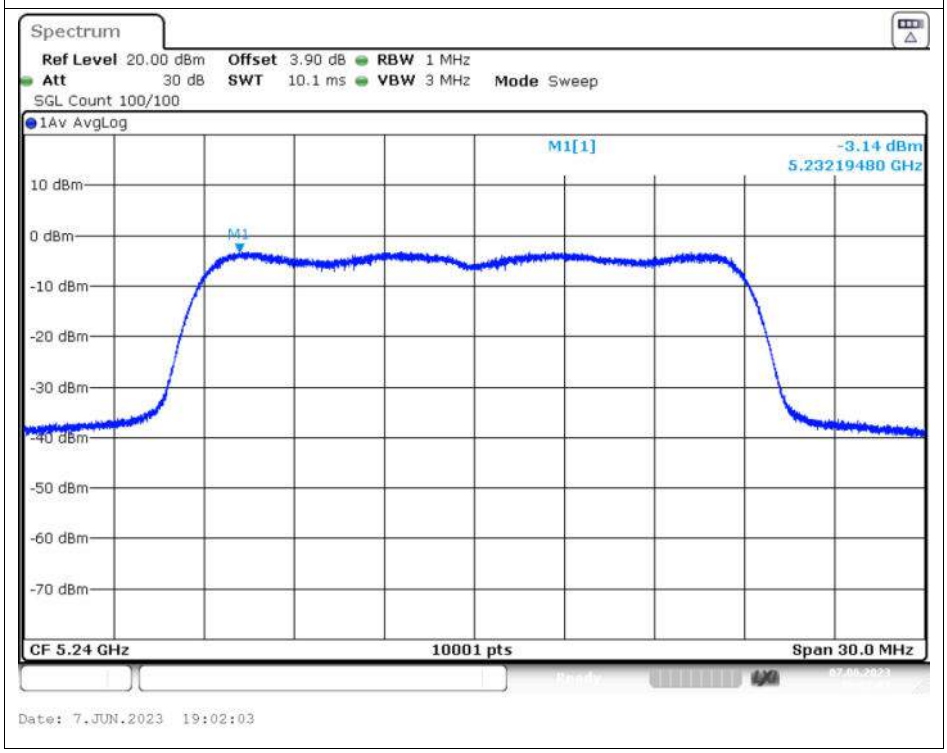
PSD NVNT n20 5200MHz Ant2



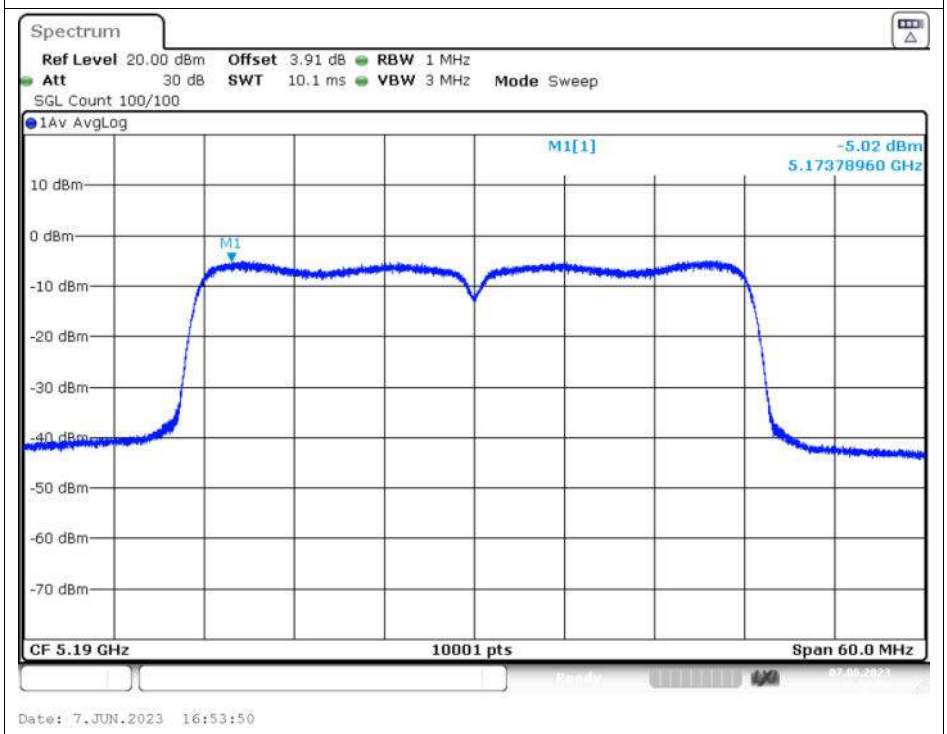
PSD NVNT n20 5240MHz Ant1



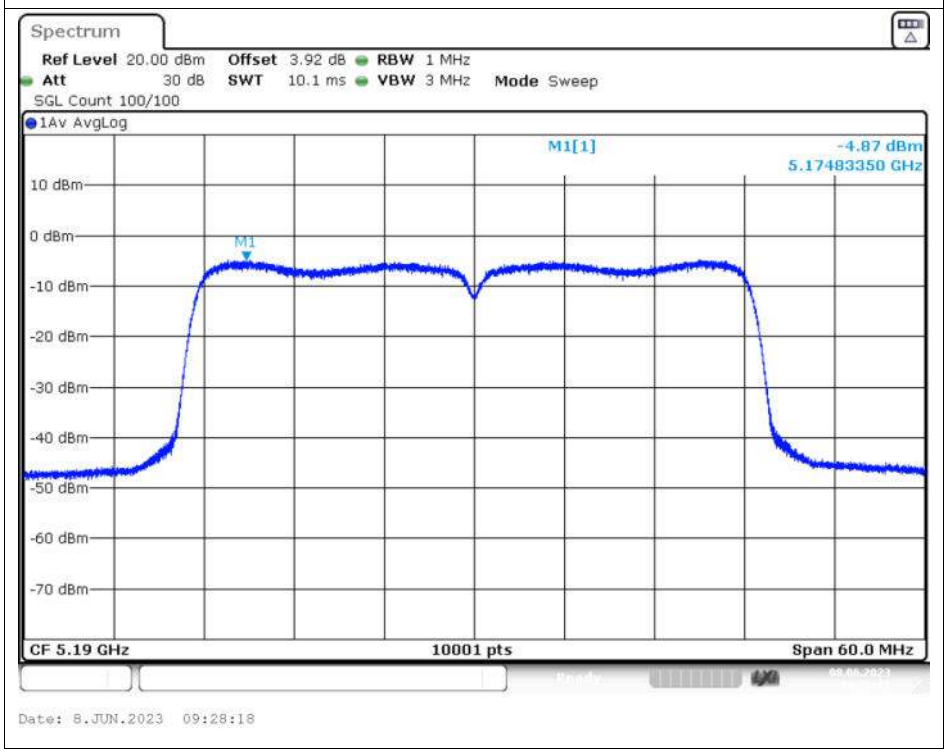
PSD NVNT n20 5240MHz Ant2



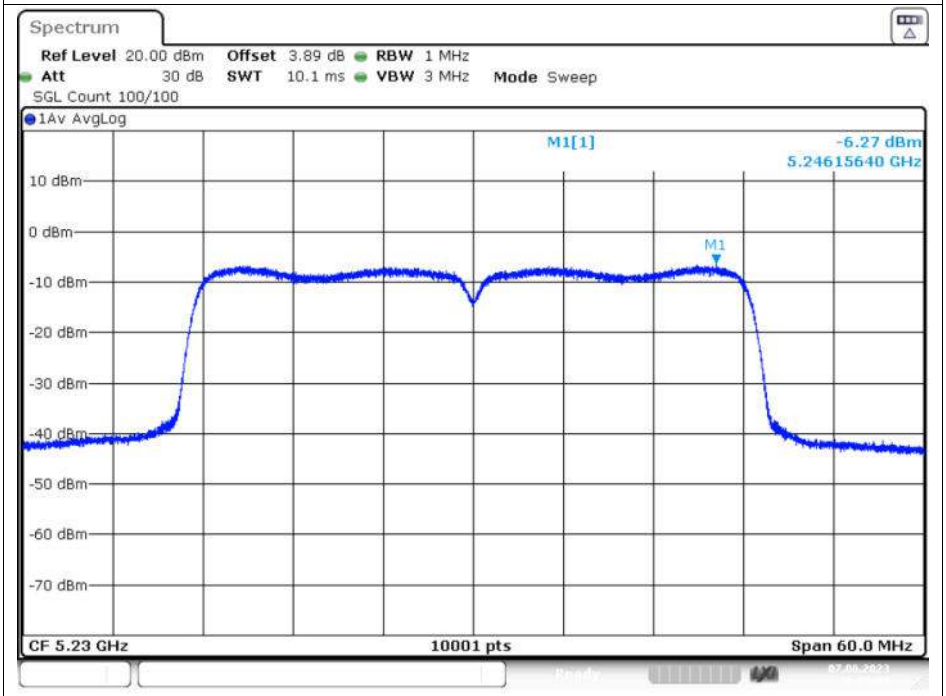
PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5190MHz Ant2

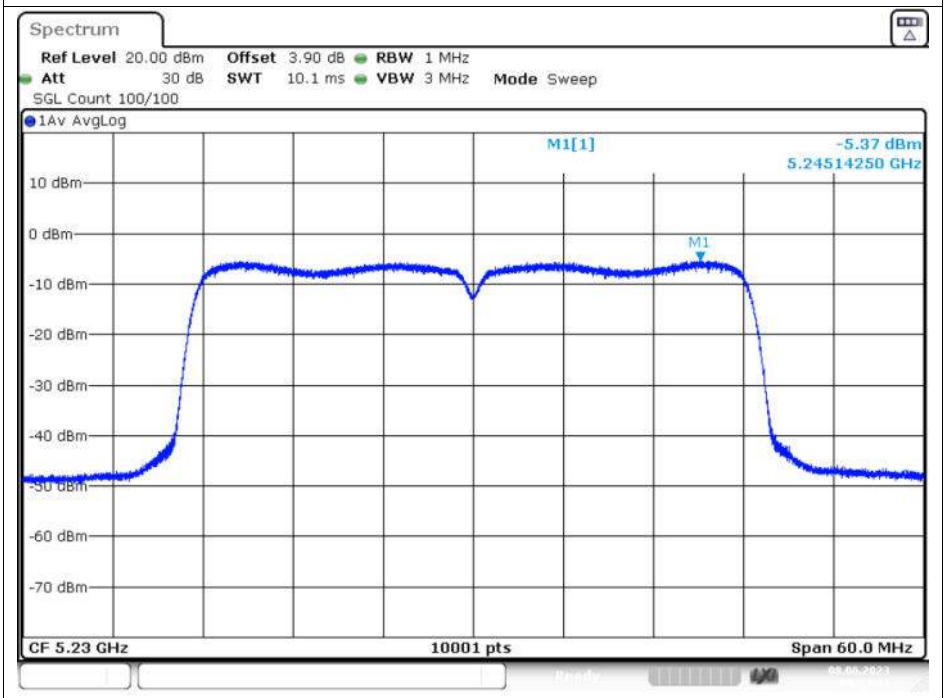


PSD NVNT n40 5230MHz Ant1



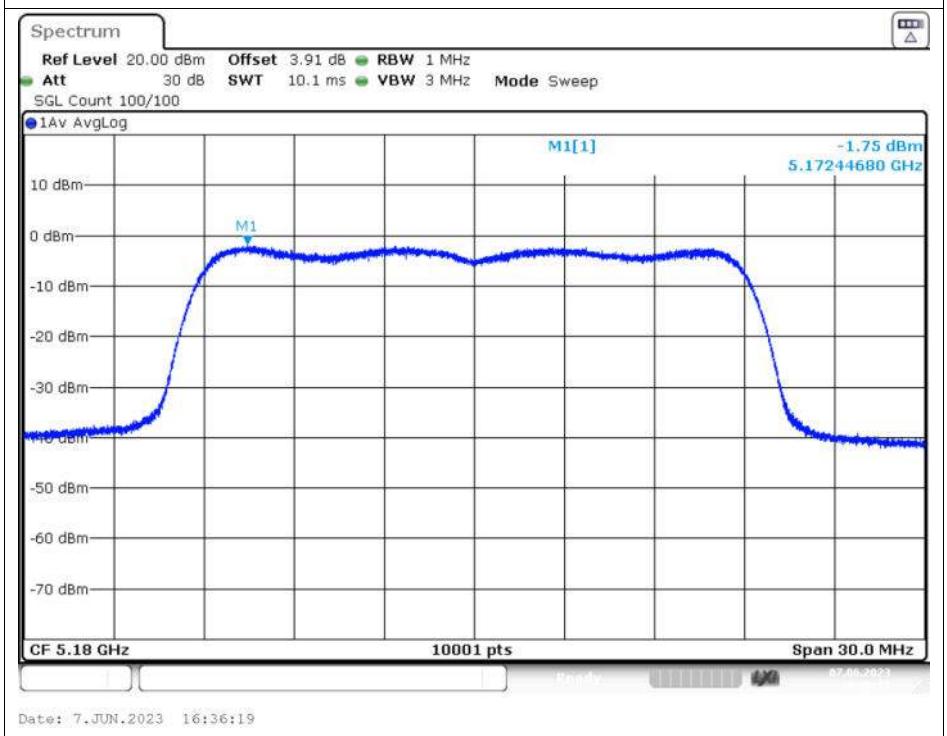
Date: 7.JUN.2023 16:59:08

PSD NVNT n40 5230MHz Ant2

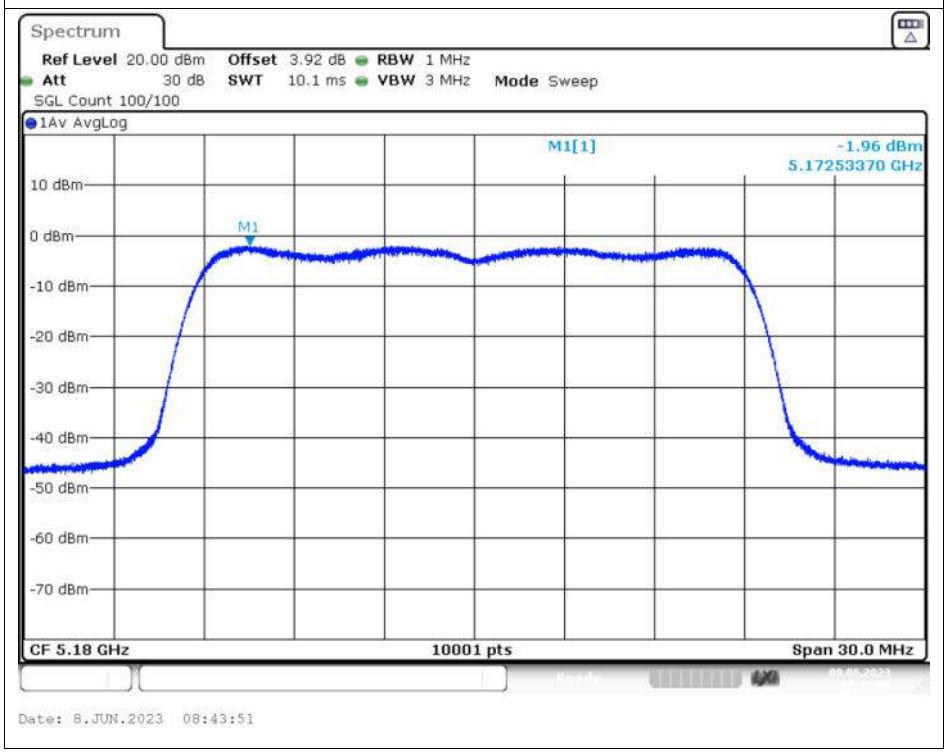


Date: 8.JUN.2023 09:33:32

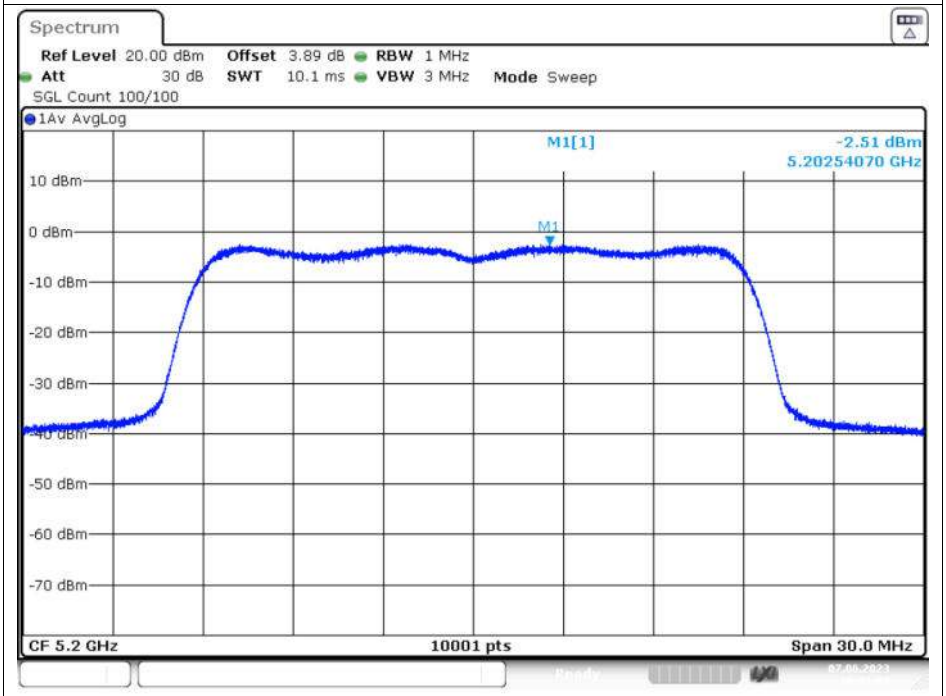
PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5180MHz Ant2



PSD NVNT ac20 5200MHz Ant1



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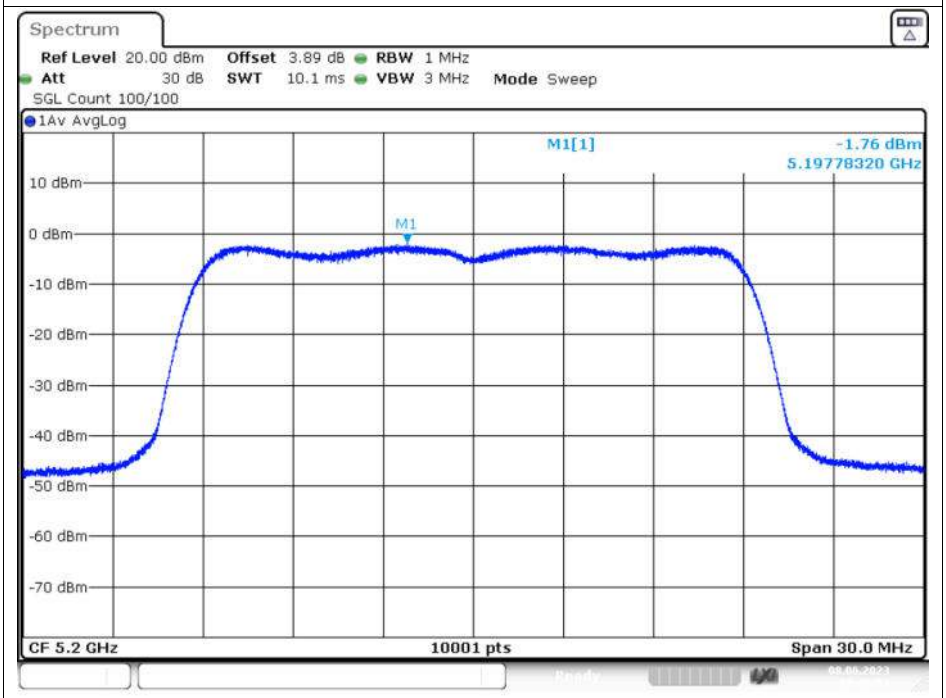

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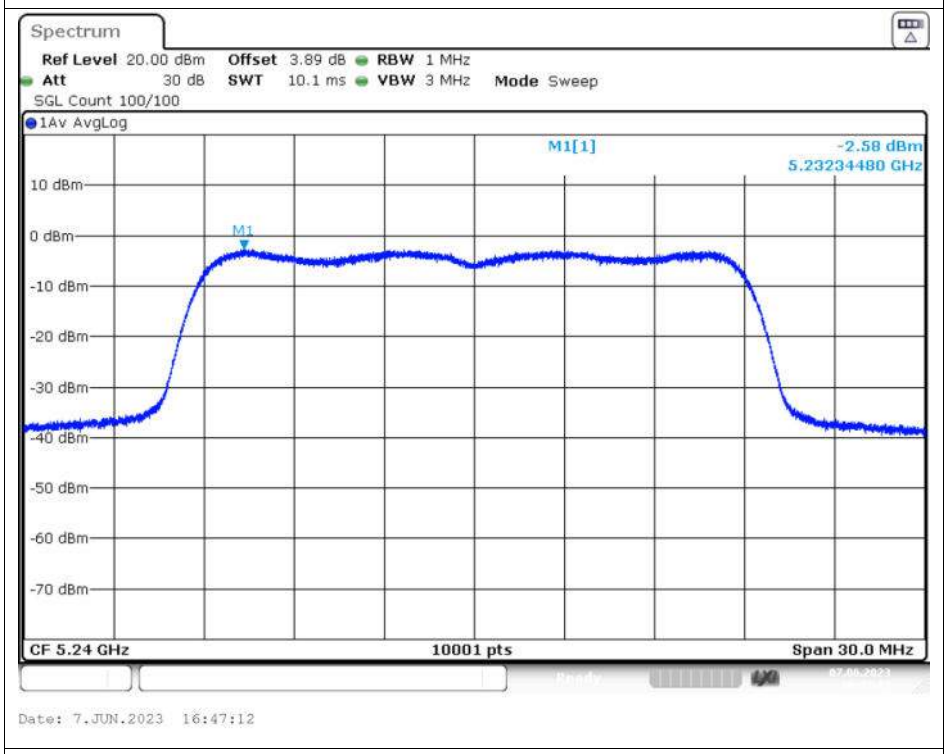

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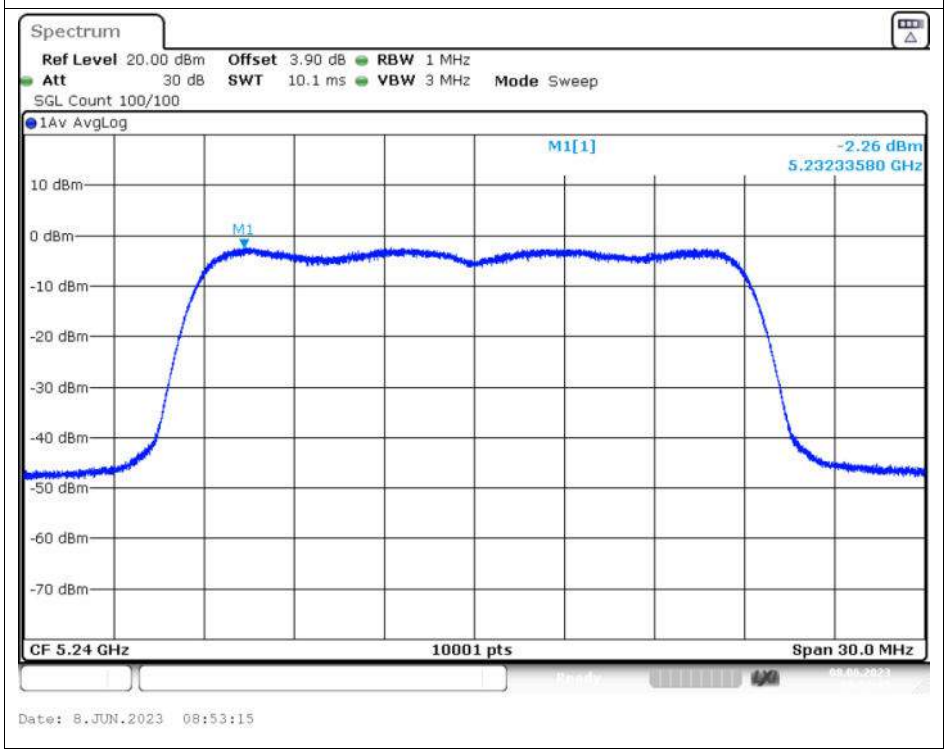
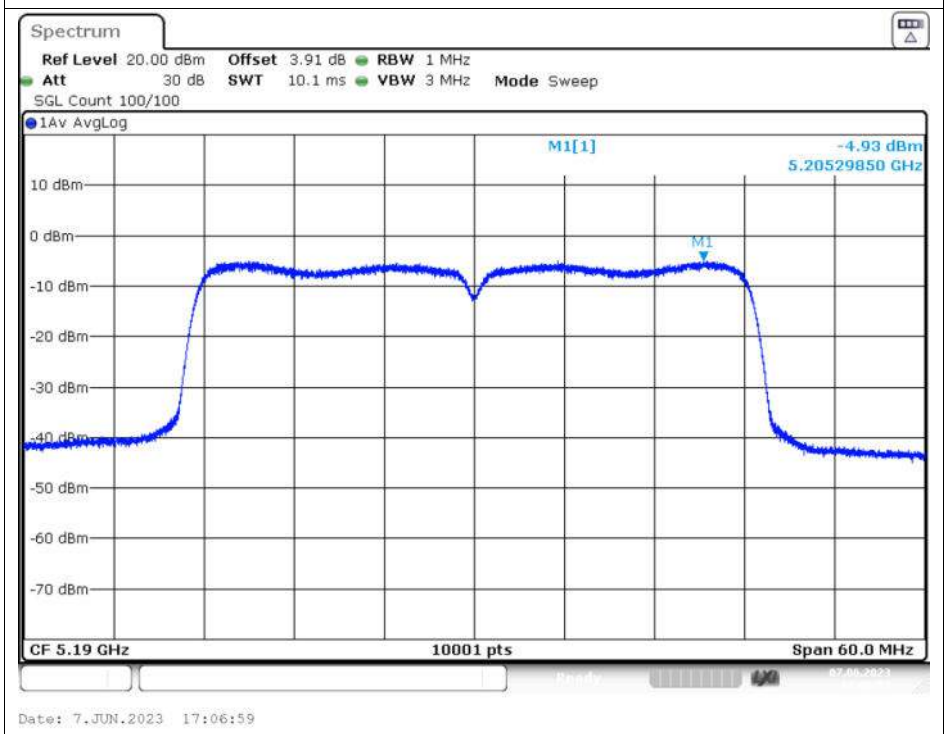


PSD NVNT ac40 5190MHz Ant1



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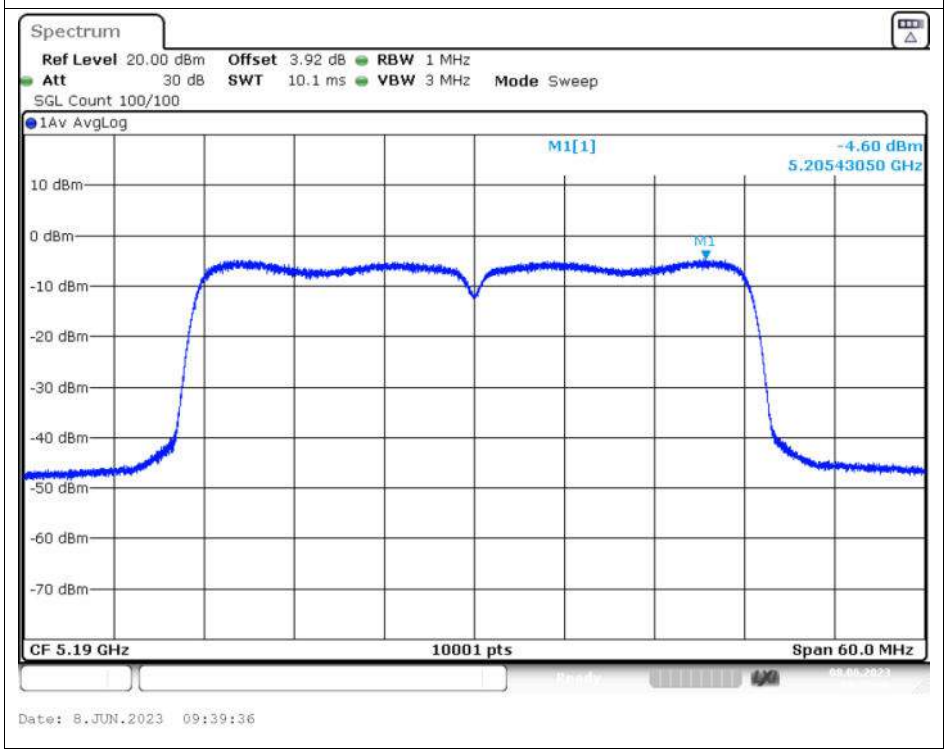
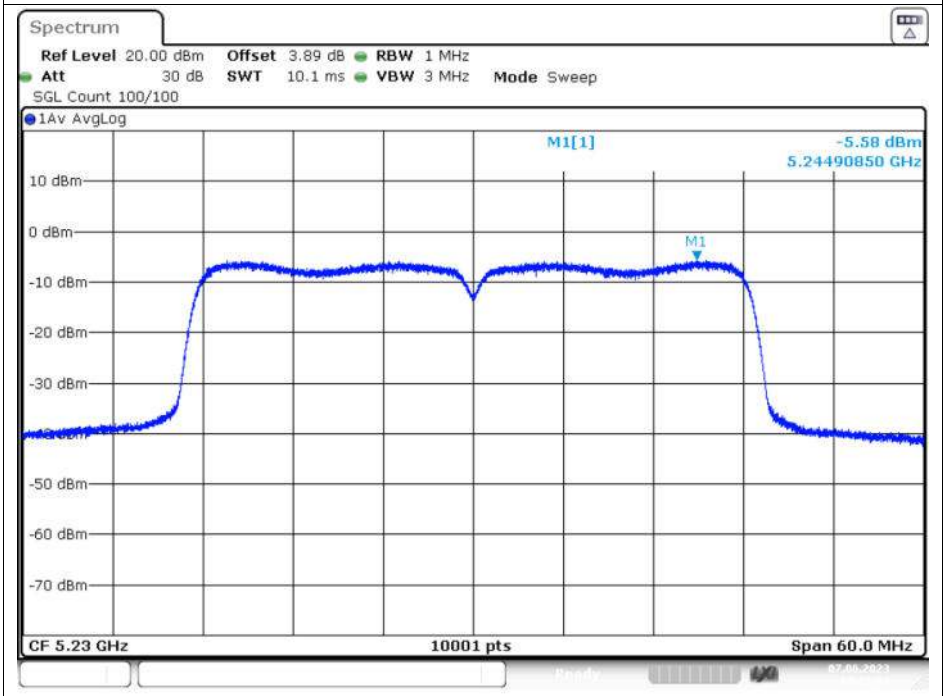


PSD NVNT ac40 5230MHz Ant1



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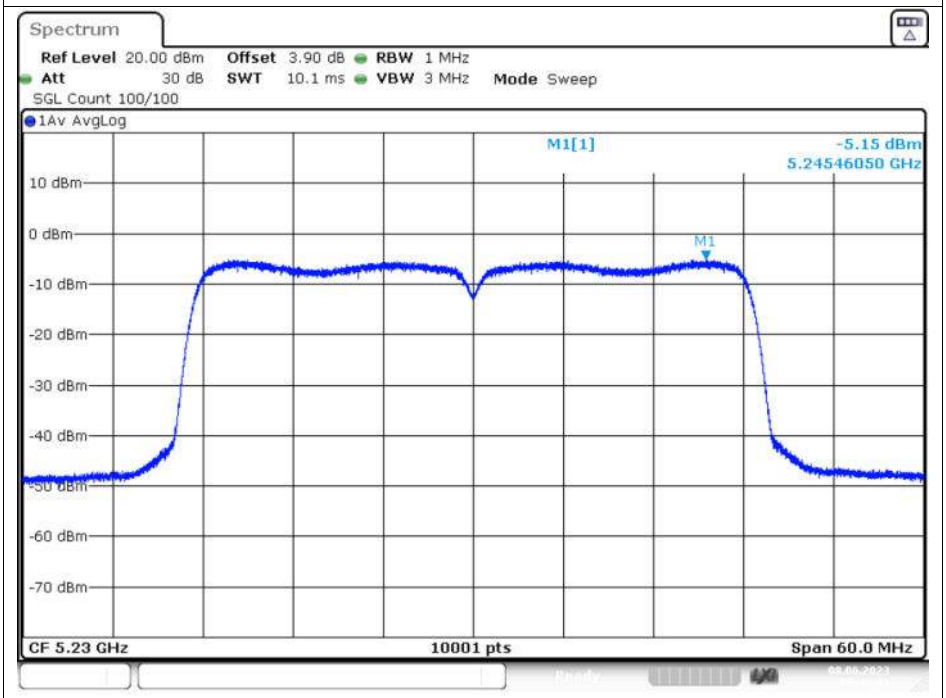
PSD NVNT ac40 5230MHz Ant2



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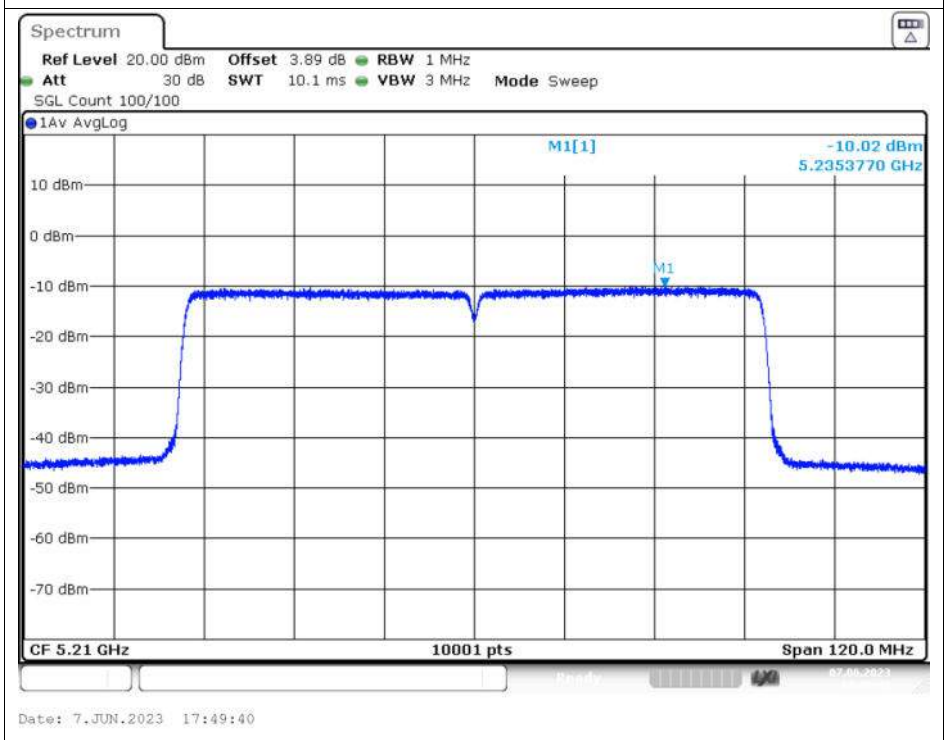
PSD NVNT ac80 5210MHz Ant1



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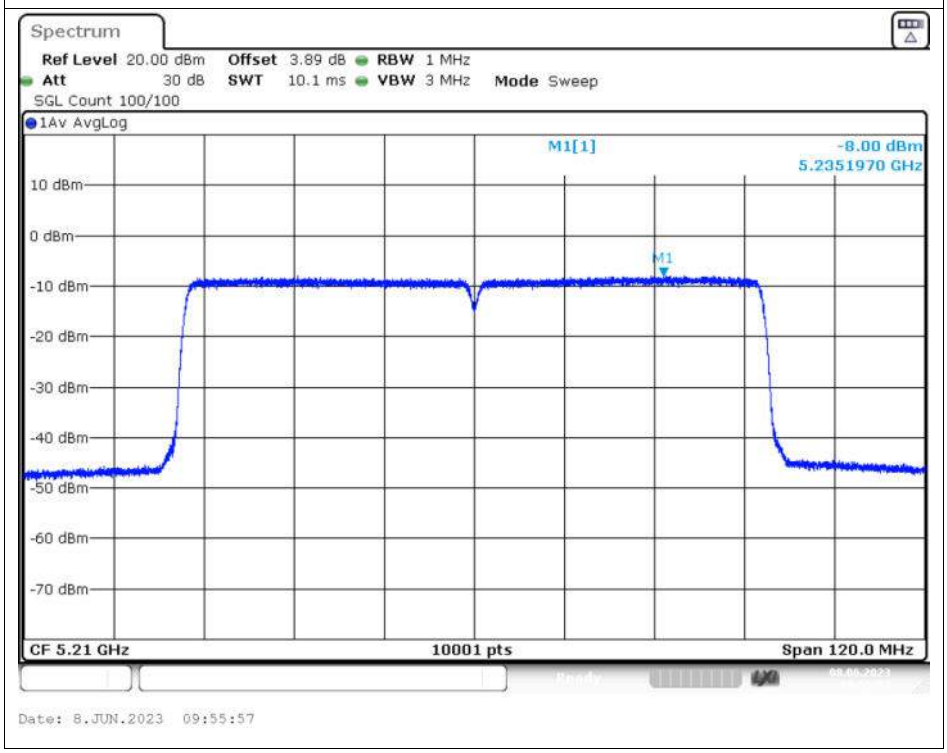

Frequency Stability

Condition	Mode	Time (mins)	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 20.4V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 24V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 27.6V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 24V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 24V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 24V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 24V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 24V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 24V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 24V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 20.4V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 24V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 27.6V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 24V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 24V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 24V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 24V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 24V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 24V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 24V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 20.4V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 24V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 27.6V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 24V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 24V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 24V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 24V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 24V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 24V	a	0	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 24V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 20.4V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 24V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 27.6V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-20C 24V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-10C 24V	a	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 24V	a	0	5180	Ant2	5179.94	-60000	-11.58	25	Pass
10C 24V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass

30C 24V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
40C 24V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
50C 24V	a	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 20.4V	a	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 24V	a	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 27.6V	a	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 24V	a	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-10C 24V	a	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0C 24V	a	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10C 24V	a	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 24V	a	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 24V	a	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
50C 24V	a	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 20.4V	a	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 24V	a	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 27.6V	a	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 24V	a	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 24V	a	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 24V	a	0	5240	Ant2	5239.94	-60000	-11.45	25	Pass
10C 24V	a	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 24V	a	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 24V	a	0	5240	Ant2	5239.94	-60000	-11.45	25	Pass
50C 24V	a	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 20.4V	n20	0	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 24V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 27.6V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 24V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 24V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 24V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 24V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 24V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 24V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 24V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 20.4V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 24V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 27.6V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 24V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 24V	n20	0	5200	Ant1	5199.94	-60000	-11.54	25	Pass
0C 24V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 24V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 24V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass

40C 24V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
50C 24V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 20.4V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 24V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 27.6V	n20	0	5240	Ant1	5240	0	0	25	Pass
-20C 24V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 24V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 24V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 24V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 24V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 24V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 24V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 20.4V	n20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 24V	n20	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 27.6V	n20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-20C 24V	n20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-10C 24V	n20	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 24V	n20	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
10C 24V	n20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
30C 24V	n20	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
40C 24V	n20	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50C 24V	n20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 20.4V	n20	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 24V	n20	0	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 27.6V	n20	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 24V	n20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10C 24V	n20	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
0C 24V	n20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10C 24V	n20	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
30C 24V	n20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 24V	n20	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
50C 24V	n20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 20.4V	n20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 24V	n20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 27.6V	n20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 24V	n20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 24V	n20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
0C 24V	n20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
10C 24V	n20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 24V	n20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 24V	n20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass

50C 24V	n20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 20.4V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 24V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 27.6V	n40	0	5190	Ant1	5190	0	0	25	Pass
-20C 24V	n40	0	5190	Ant1	5190	0	0	25	Pass
-10C 24V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 24V	n40	0	5190	Ant1	5190	0	0	25	Pass
10C 24V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 24V	n40	0	5190	Ant1	5190	0	0	25	Pass
40C 24V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 24V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
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20C 24V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 27.6V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 24V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 24V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 24V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 24V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 24V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 24V	n40	0	5230	Ant1	5230	0	0	25	Pass
50C 24V	n40	0	5230	Ant1	5230	0	0	25	Pass
20C 20.4V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 24V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 27.6V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-20C 24V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 24V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 24V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 24V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 24V	n40	0	5190	Ant2	5189.92	-80000	-15.41	25	Pass
40C 24V	n40	0	5190	Ant2	5190	0	0	25	Pass
50C 24V	n40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 20.4V	n40	0	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 24V	n40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 27.6V	n40	0	5230	Ant2	5230	0	0	25	Pass
-20C 24V	n40	0	5230	Ant2	5230	0	0	25	Pass
-10C 24V	n40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
0C 24V	n40	0	5230	Ant2	5230	0	0	25	Pass
10C 24V	n40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
30C 24V	n40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
40C 24V	n40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
50C 24V	n40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass

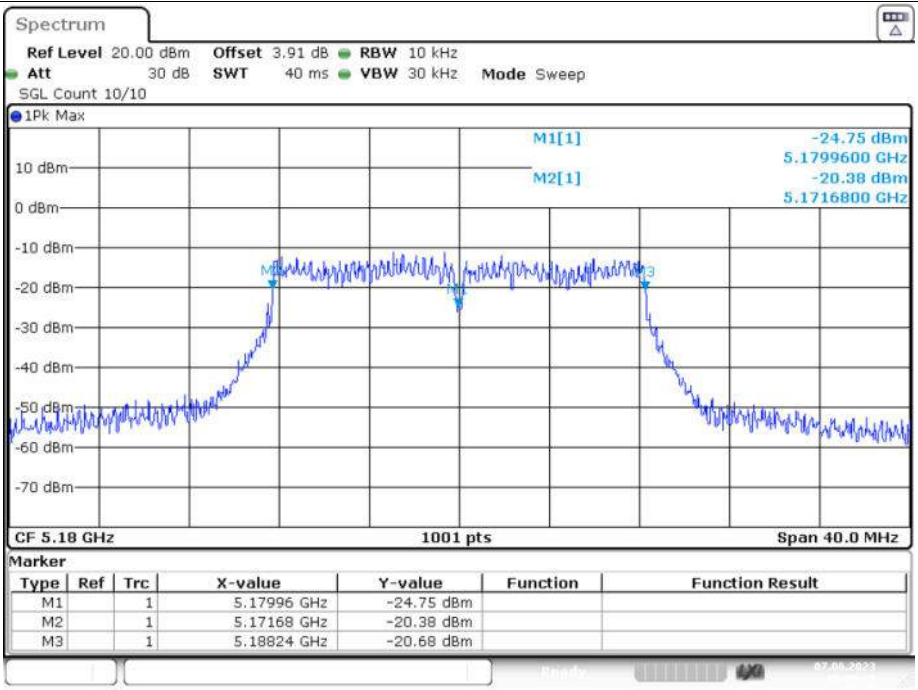
20C 20.4V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 24V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 27.6V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 24V	ac20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 24V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 24V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 24V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 24V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 24V	ac20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 24V	ac20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 20.4V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 24V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 27.6V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 24V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 24V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 24V	ac20	0	5200	Ant1	5199.94	-60000	-11.54	25	Pass
10C 24V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 24V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 24V	ac20	0	5200	Ant1	5199.94	-60000	-11.54	25	Pass
50C 24V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 20.4V	ac20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 24V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 27.6V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 24V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 24V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 24V	ac20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 24V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 24V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 24V	ac20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 24V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 20.4V	ac20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 24V	ac20	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 27.6V	ac20	0	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 24V	ac20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-10C 24V	ac20	0	5180	Ant2	5179.94	-60000	-11.58	25	Pass
0C 24V	ac20	0	5180	Ant2	5179.94	-60000	-11.58	25	Pass
10C 24V	ac20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
30C 24V	ac20	0	5180	Ant2	5179.94	-60000	-11.58	25	Pass
40C 24V	ac20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
50C 24V	ac20	0	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 20.4V	ac20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass

20C 24V	ac20	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 27.6V	ac20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-20C 24V	ac20	0	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-10C 24V	ac20	0	5200	Ant2	5199.94	-60000	-11.54	25	Pass
0C 24V	ac20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10C 24V	ac20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 24V	ac20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 24V	ac20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
50C 24V	ac20	0	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 20.4V	ac20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 24V	ac20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 27.6V	ac20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 24V	ac20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 24V	ac20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
0C 24V	ac20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 24V	ac20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 24V	ac20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 24V	ac20	0	5240	Ant2	5239.96	-40000	-7.63	25	Pass
50C 24V	ac20	0	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 20.4V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 24V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 27.6V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 24V	ac40	0	5190	Ant1	5190	0	0	25	Pass
-10C 24V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 24V	ac40	0	5190	Ant1	5190	0	0	25	Pass
10C 24V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 24V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 24V	ac40	0	5190	Ant1	5190	0	0	25	Pass
50C 24V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 20.4V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 24V	ac40	0	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 27.6V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 24V	ac40	0	5230	Ant1	5230	0	0	25	Pass
-10C 24V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 24V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 24V	ac40	0	5230	Ant1	5230	0	0	25	Pass
30C 24V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 24V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 24V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 20.4V	ac40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 24V	ac40	0	5190	Ant2	5190	0	0	25	Pass

20C 27.6V	ac40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-20C 24V	ac40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 24V	ac40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 24V	ac40	0	5190	Ant2	5190	0	0	25	Pass
10C 24V	ac40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 24V	ac40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
40C 24V	ac40	0	5190	Ant2	5189.96	-40000	-7.71	25	Pass
50C 24V	ac40	0	5190	Ant2	5190	0	0	25	Pass
20C 20.4V	ac40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 24V	ac40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 27.6V	ac40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-20C 24V	ac40	0	5230	Ant2	5230	0	0	25	Pass
-10C 24V	ac40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
0C 24V	ac40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
10C 24V	ac40	0	5230	Ant2	5229.96	-40000	-7.65	25	Pass
30C 24V	ac40	0	5230	Ant2	5230	0	0	25	Pass
40C 24V	ac40	0	5230	Ant2	5230	0	0	25	Pass
50C 24V	ac40	0	5230	Ant2	5230	0	0	25	Pass
20C 20.4V	ac80	0	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 24V	ac80	0	5210	Ant1	5210	0	0	25	Pass
20C 27.6V	ac80	0	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 24V	ac80	0	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 24V	ac80	0	5210	Ant1	5210	0	0	25	Pass
0C 24V	ac80	0	5210	Ant1	5210	0	0	25	Pass
10C 24V	ac80	0	5210	Ant1	5209.92	-80000	-15.36	25	Pass
30C 24V	ac80	0	5210	Ant1	5209.92	-80000	-15.36	25	Pass
40C 24V	ac80	0	5210	Ant1	5210	0	0	25	Pass
50C 24V	ac80	0	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 20.4V	ac80	0	5210	Ant2	5210	0	0	25	Pass
20C 24V	ac80	0	5210	Ant2	5210	0	0	25	Pass
20C 27.6V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-20C 24V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-10C 24V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass
0C 24V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass
10C 24V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass
30C 24V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass
40C 24V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass
50C 24V	ac80	0	5210	Ant2	5209.92	-80000	-15.36	25	Pass

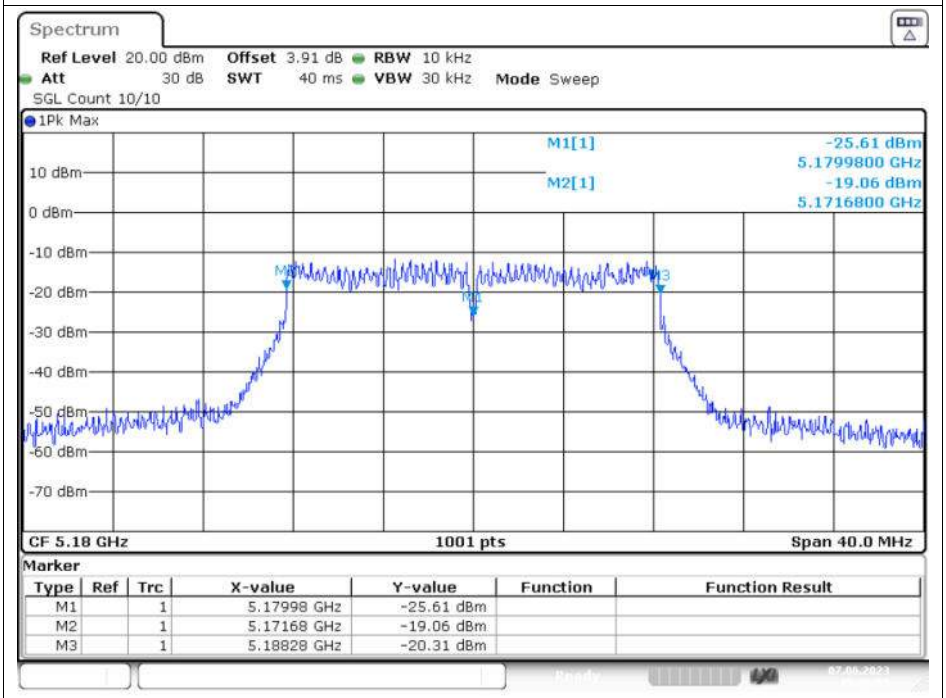
Test Graphs

Freq. Stability 20C 20.4V a 5180MHz Ant1 0 Minutes



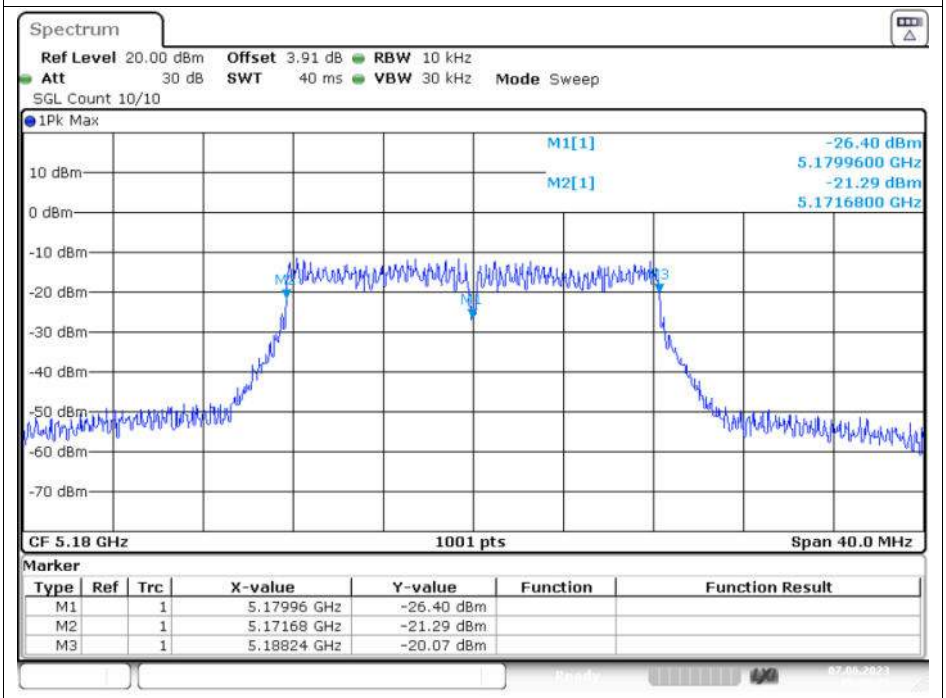
Date: 7.JUN.2023 15:30:18

Freq. Stability 20C 24V a 5180MHz Ant1 0 Minutes



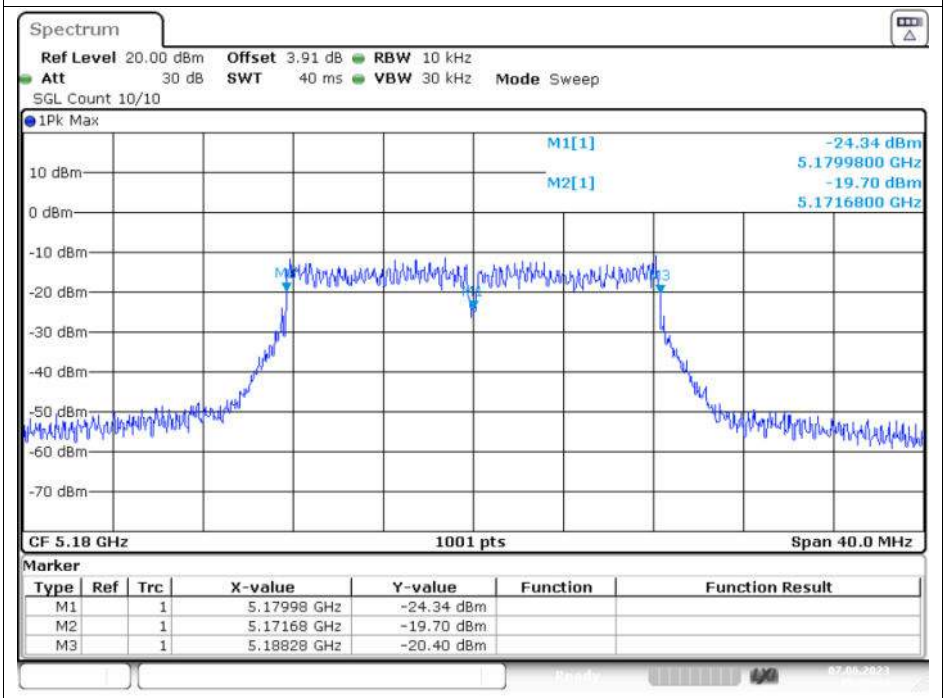
Date: 7.JUN.2023 15:30:54

Freq. Stability 20C 27.6V a 5180MHz Ant1 0 Minutes



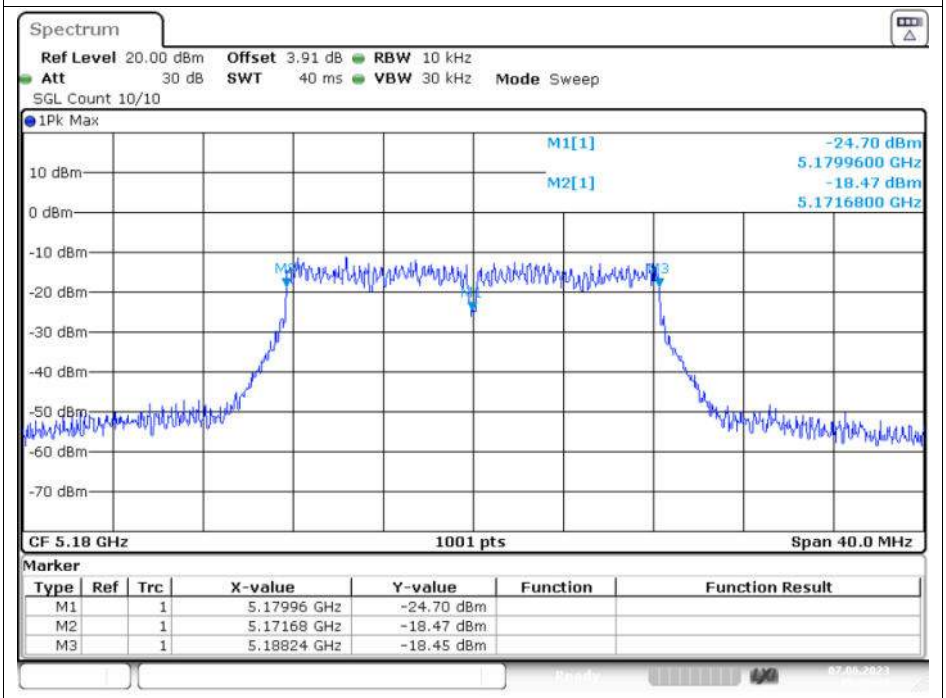
Date: 7.JUN.2023 15:30:29

Freq. Stability -20C 24V a 5180MHz Ant1 0 Minutes



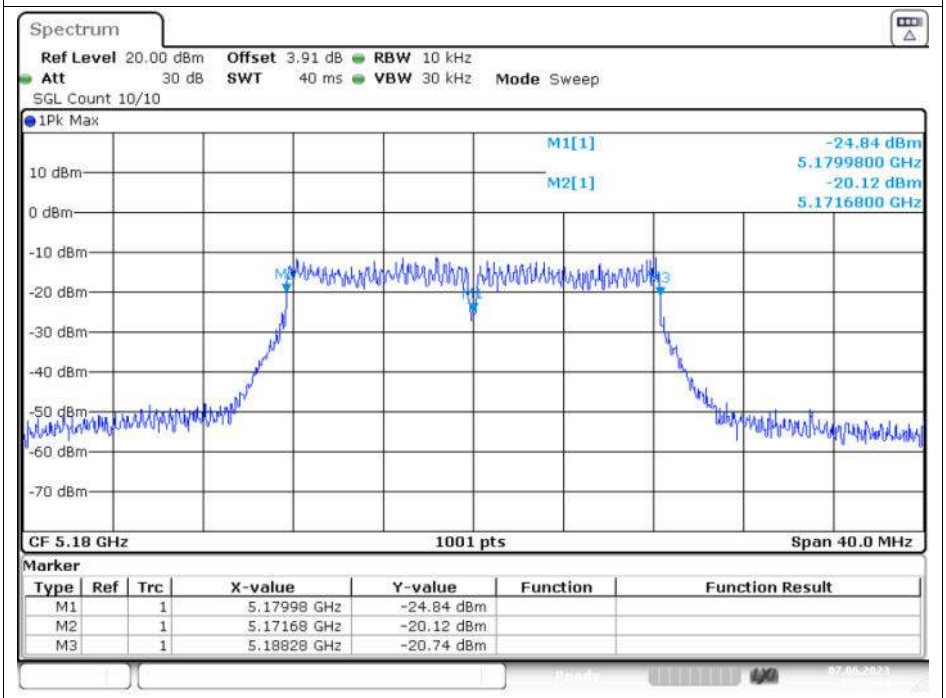
Date: 7.JUN.2023 15:30:34

Freq. Stability -10C 24V a 5180MHz Ant1 0 Minutes



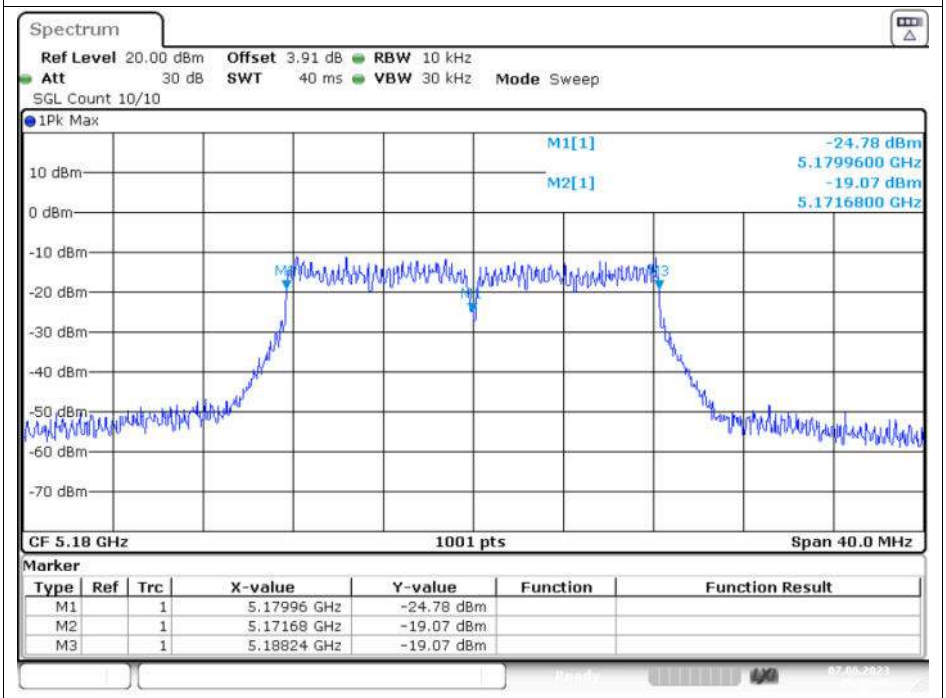
Date: 7.JUN.2023 15:30:39

Freq. Stability 0C 24V a 5180MHz Ant1 0 Minutes



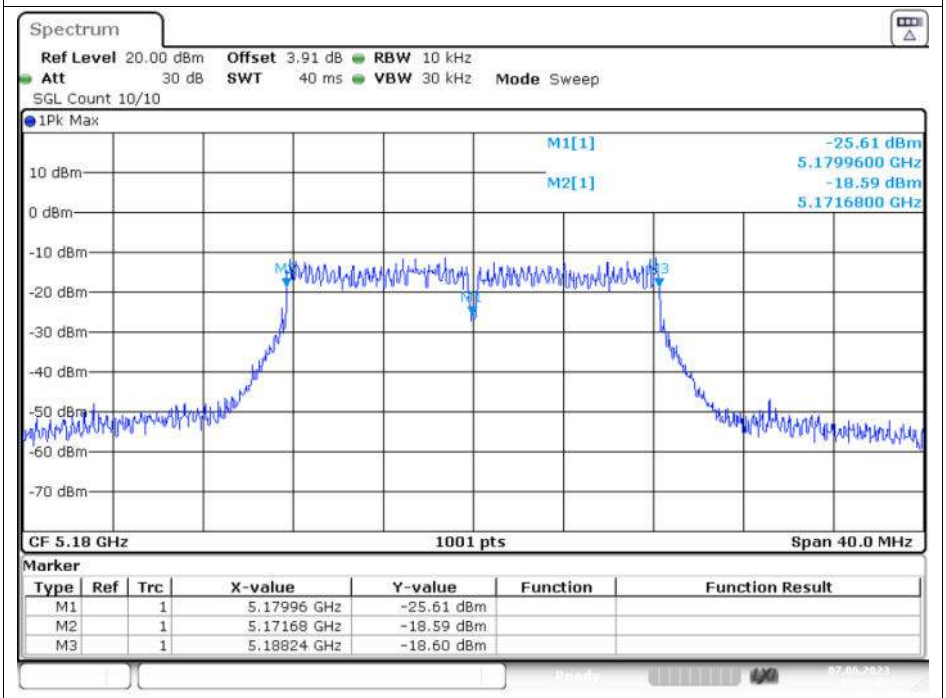
Date: 7.JUN.2023 15:30:44

Freq. Stability 10C 24V a 5180MHz Ant1 0 Minutes



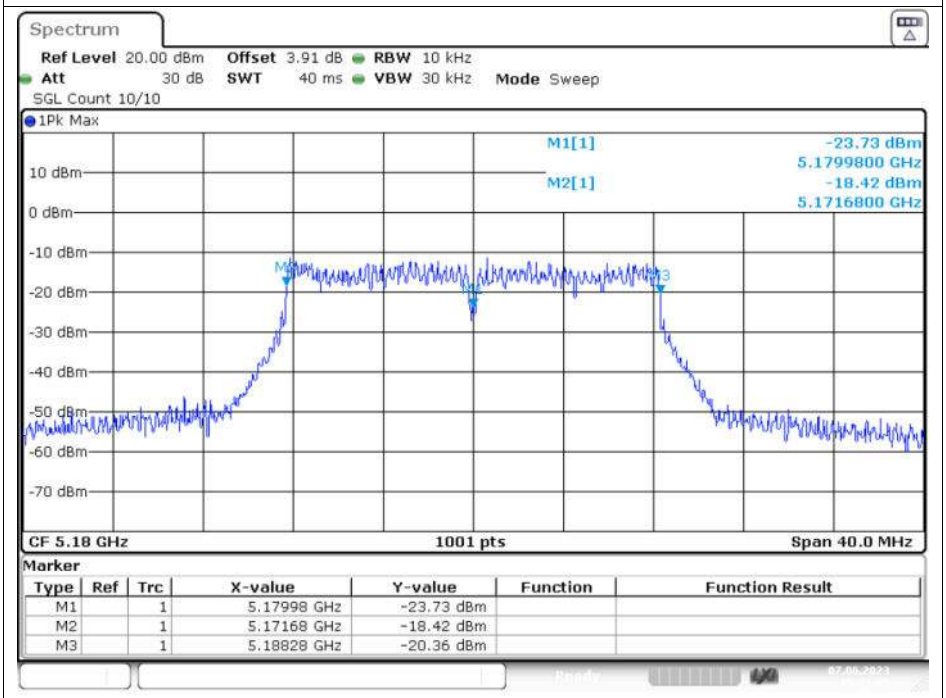
Date: 7.JUN.2023 15:30:49

Freq. Stability 30C 24V a 5180MHz Ant1 0 Minutes



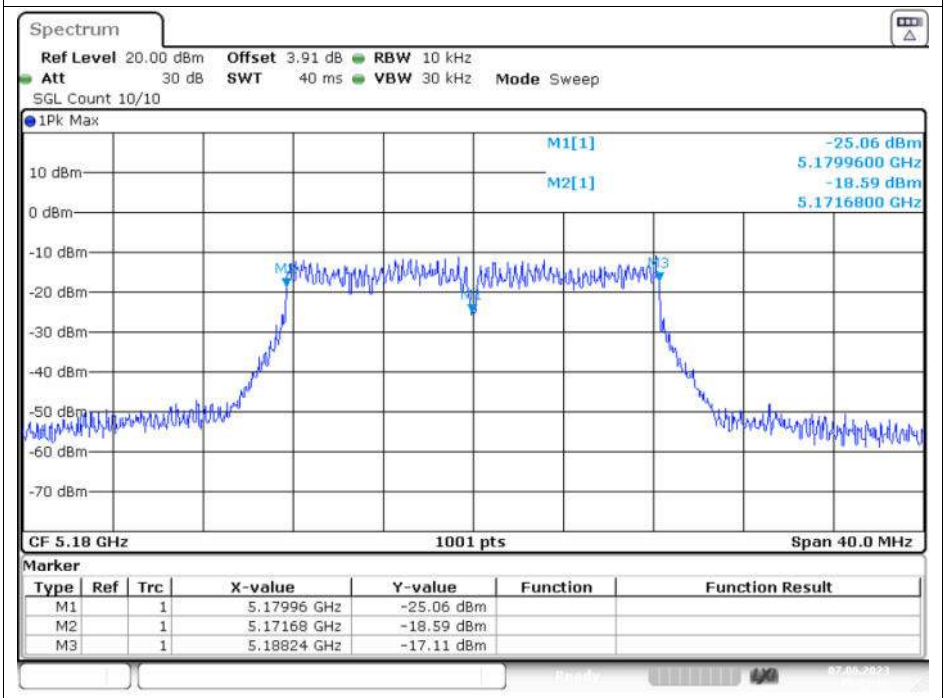
Date: 7.JUN.2023 15:30:59

Freq. Stability 40C 24V a 5180MHz Ant1 0 Minutes



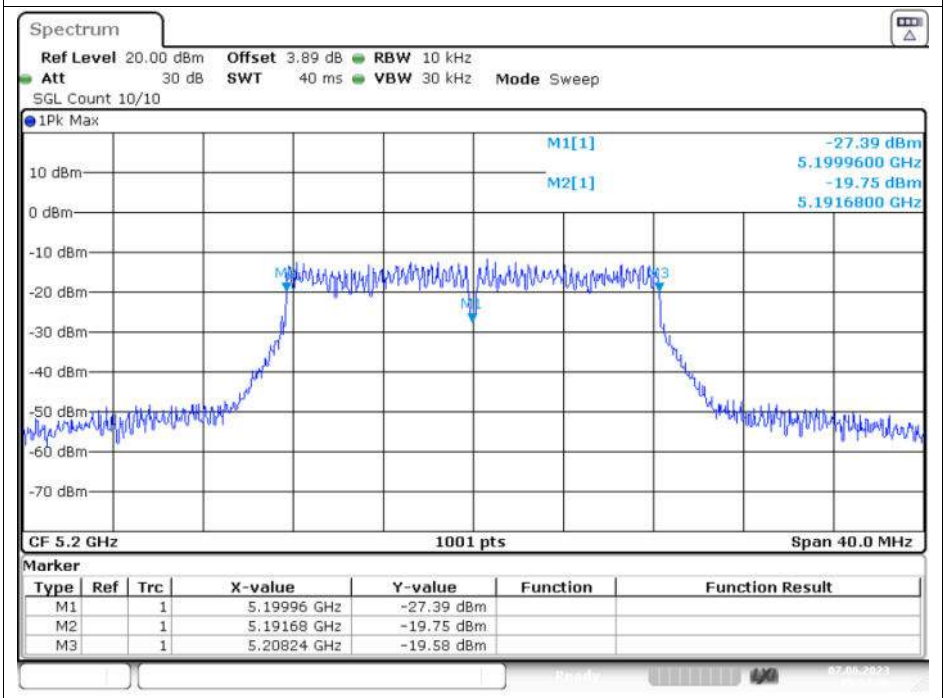
Date: 7.JUN.2023 15:31:04

Freq. Stability 50C 24V a 5180MHz Ant1 0 Minutes



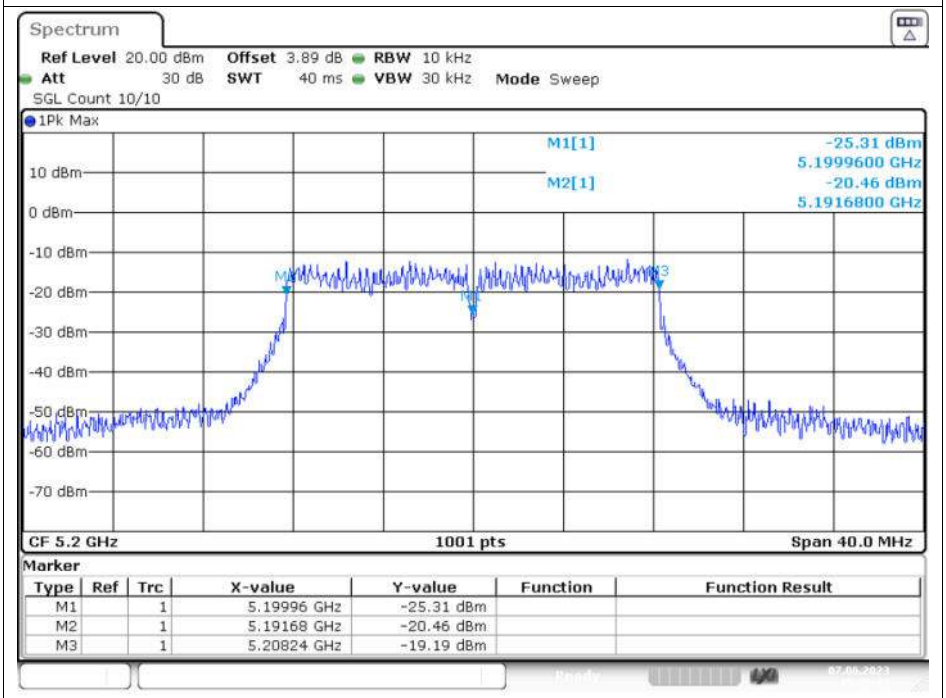
Date: 7.JUN.2023 15:31:10

Freq. Stability 20C 20.4V a 5200MHz Ant1 0 Minutes



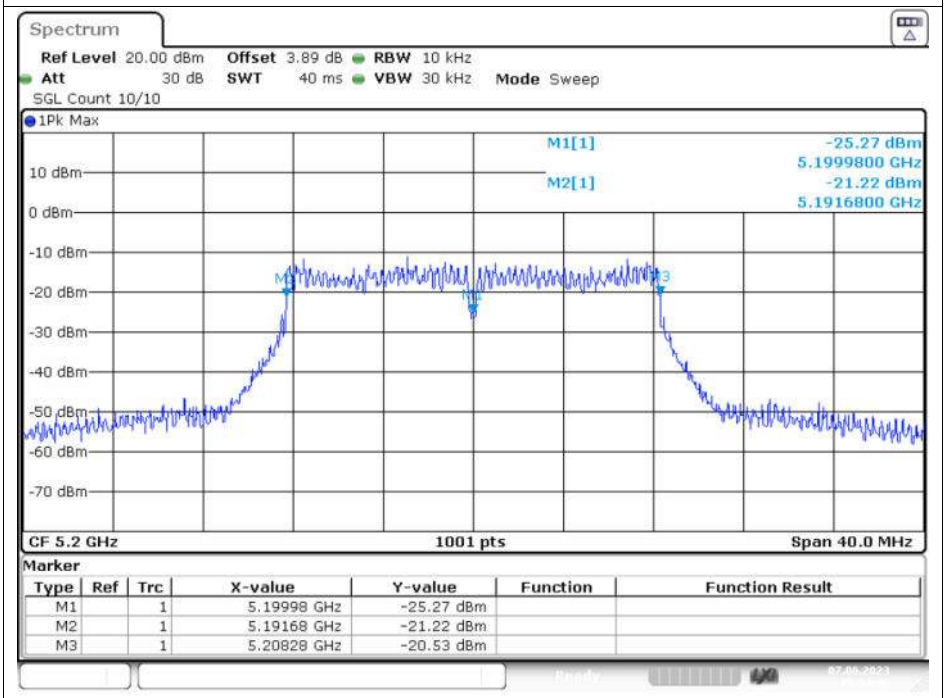
Date: 7.JUN.2023 15:34:35

Freq. Stability 20C 24V a 5200MHz Ant1 0 Minutes



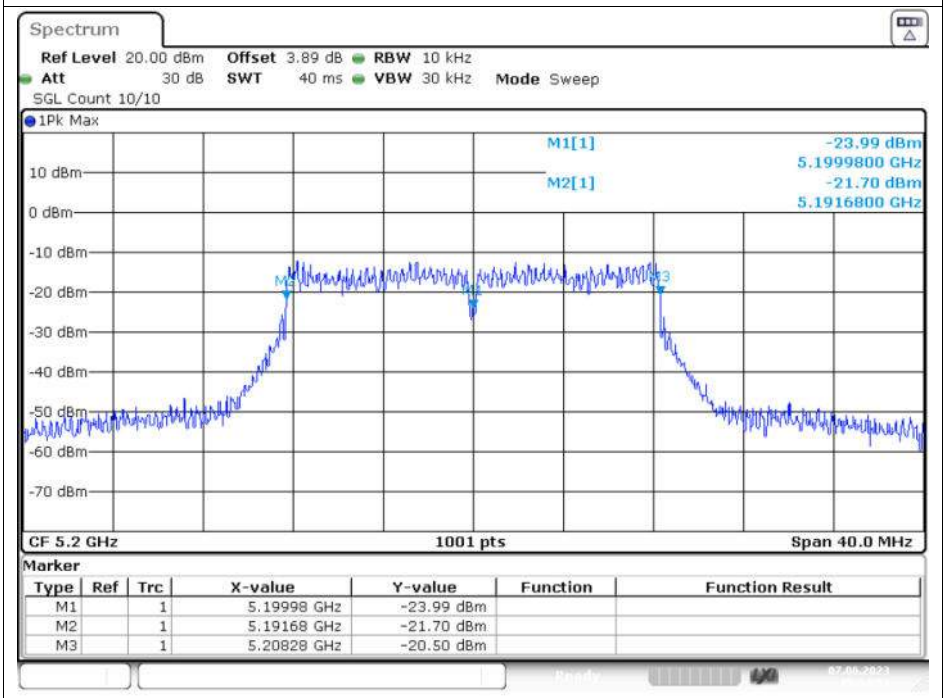
Date: 7.JUN.2023 15:35:12

Freq. Stability 20C 27.6V a 5200MHz Ant1 0 Minutes



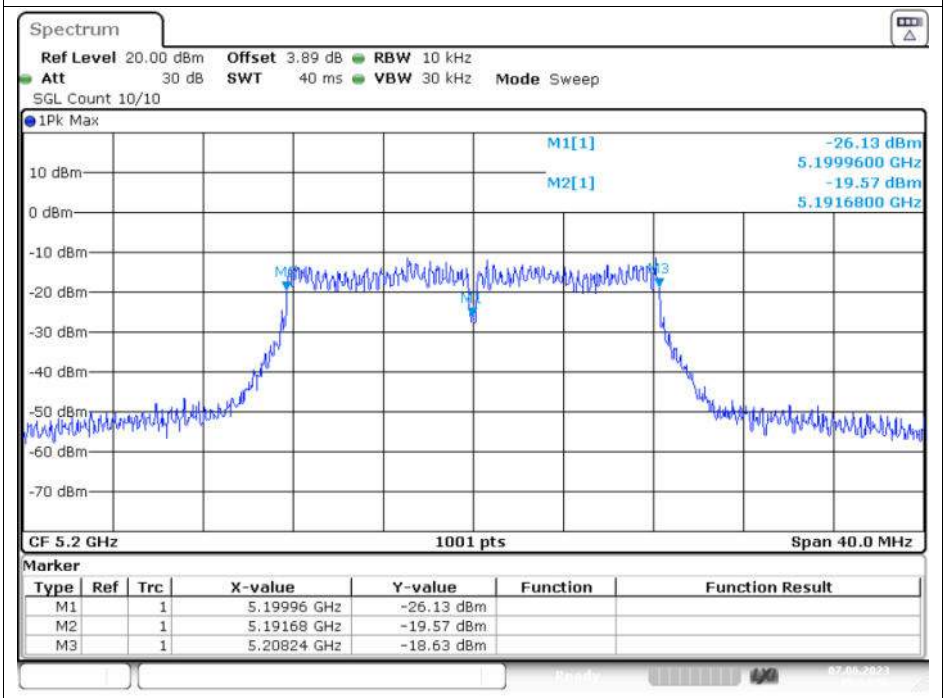
Date: 7.JUN.2023 15:34:46

Freq. Stability -20C 24V a 5200MHz Ant1 0 Minutes



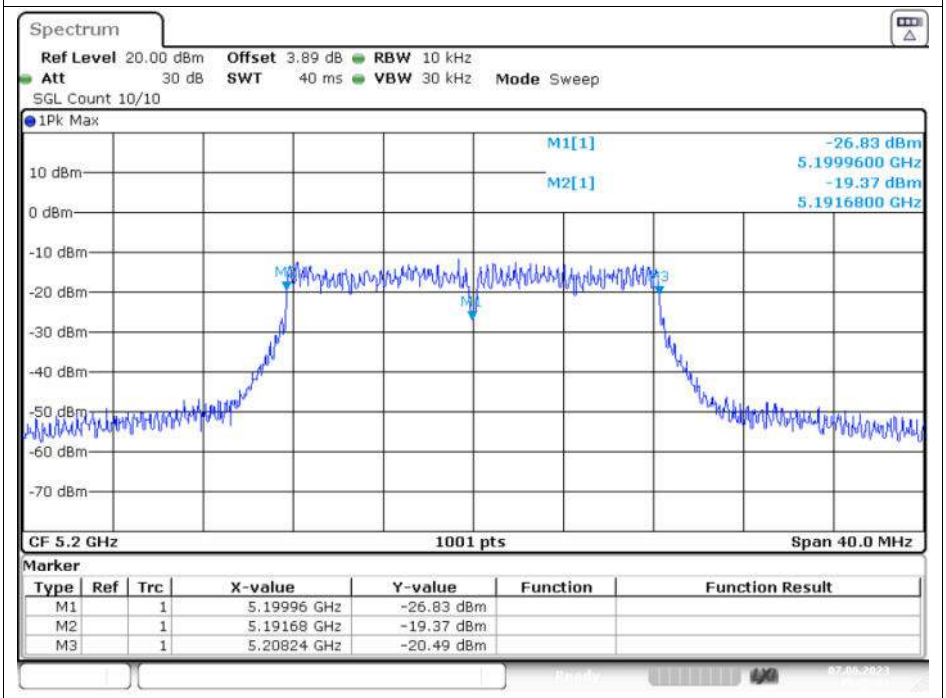
Date: 7.JUN.2023 15:34:51

Freq. Stability -10C 24V a 5200MHz Ant1 0 Minutes



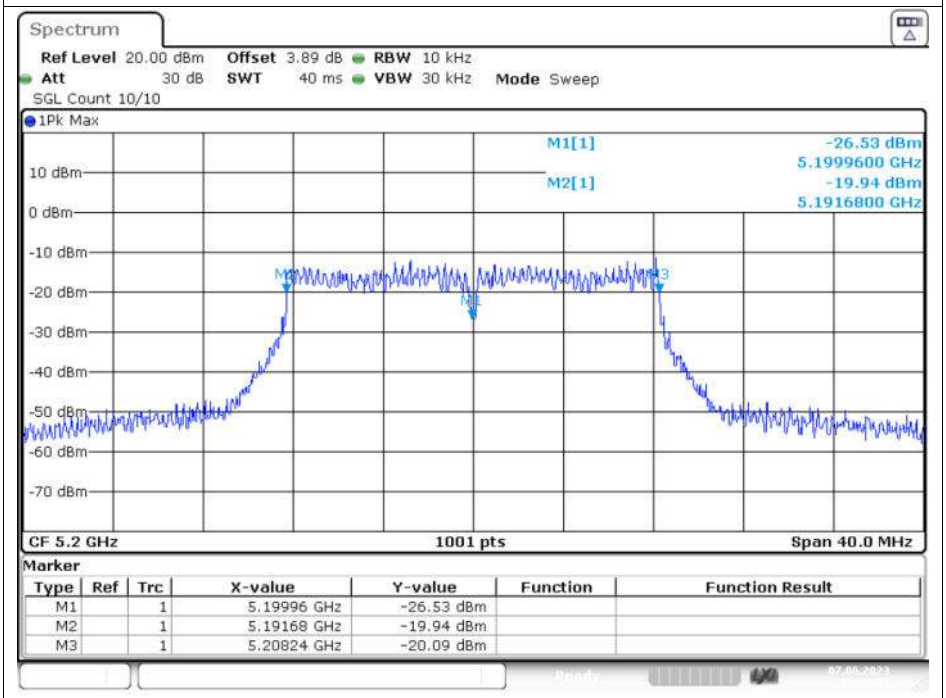
Date: 7.JUN.2023 15:34:56

Freq. Stability 0C 24V a 5200MHz Ant1 0 Minutes



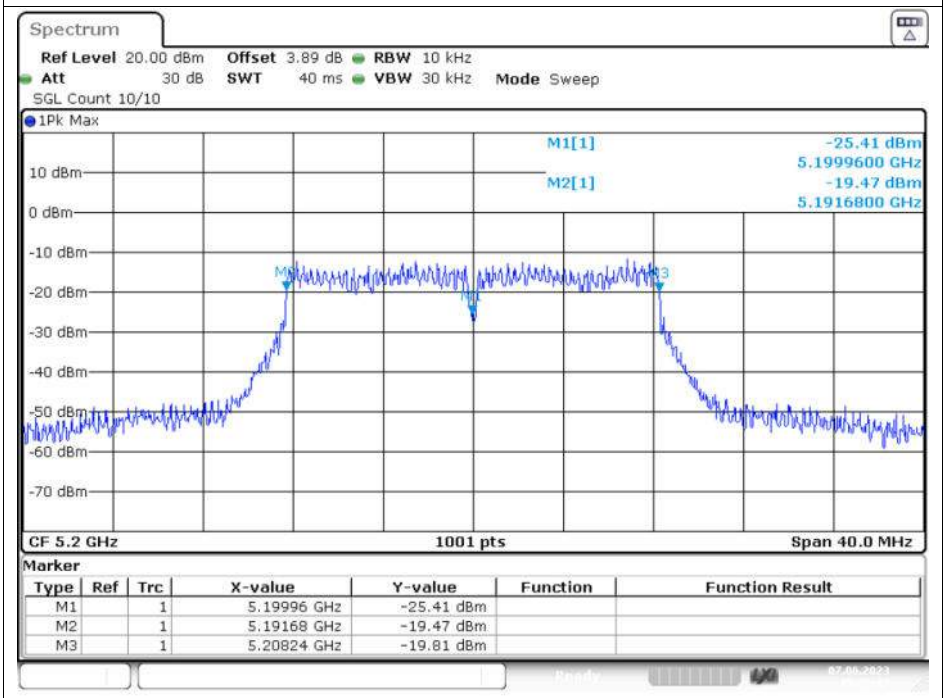
Date: 7.JUN.2023 15:35:01

Freq. Stability 10C 24V a 5200MHz Ant1 0 Minutes



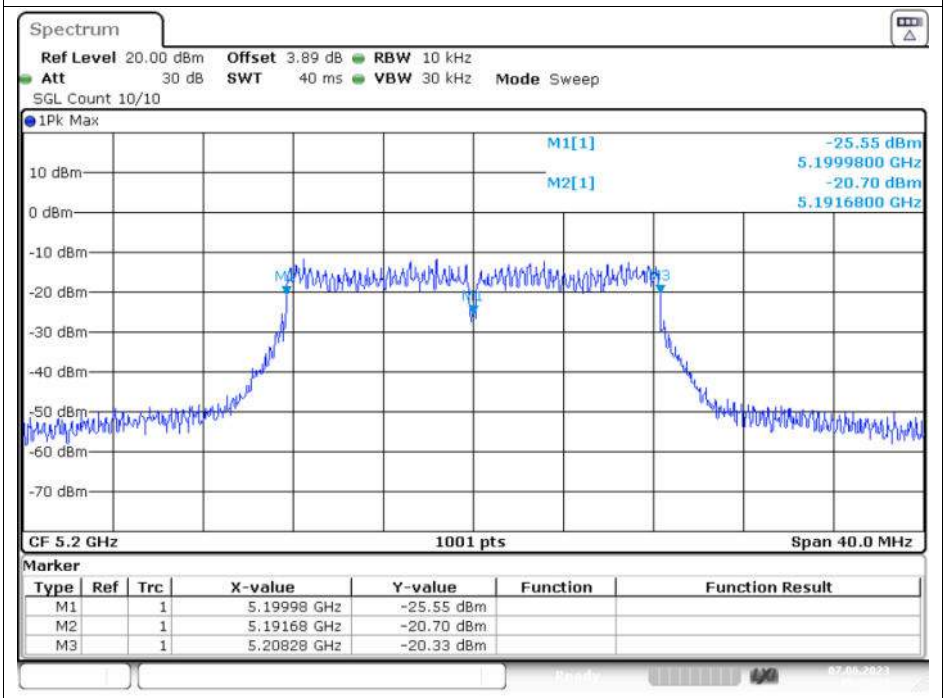
Date: 7.JUN.2023 15:35:06

Freq. Stability 30C 24V a 5200MHz Ant1 0 Minutes



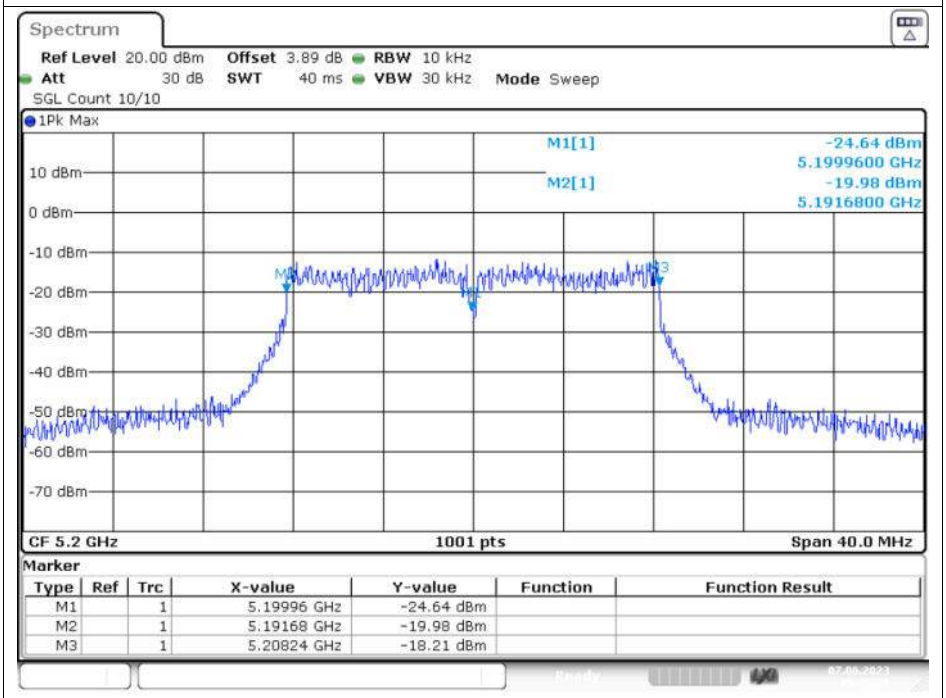
Date: 7.JUN.2023 15:35:17

Freq. Stability 40C 24V a 5200MHz Ant1 0 Minutes



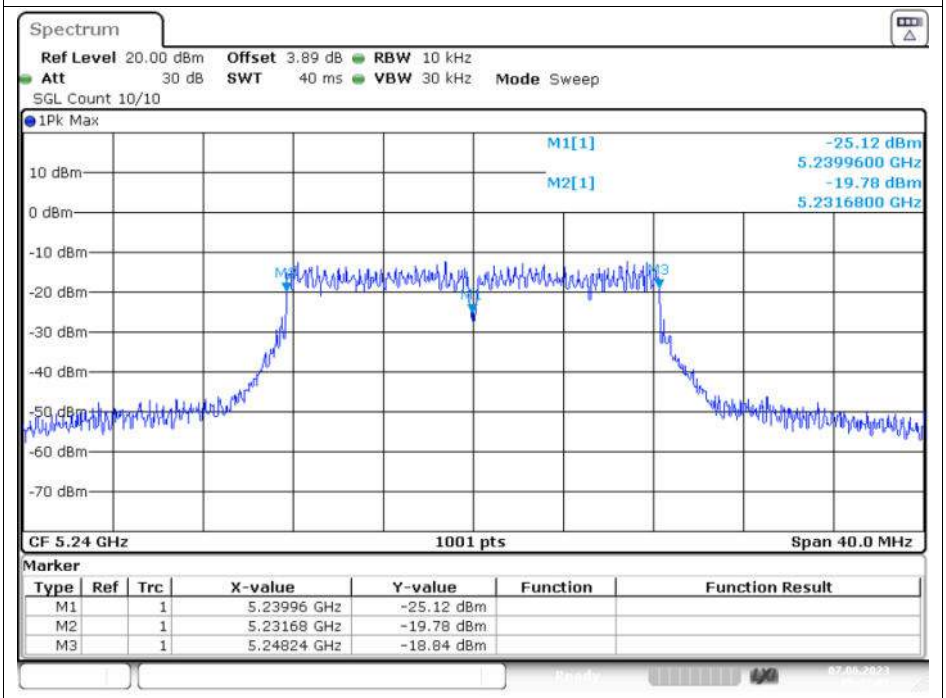
Date: 7.JUN.2023 15:35:22

Freq. Stability 50C 24V a 5200MHz Ant1 0 Minutes



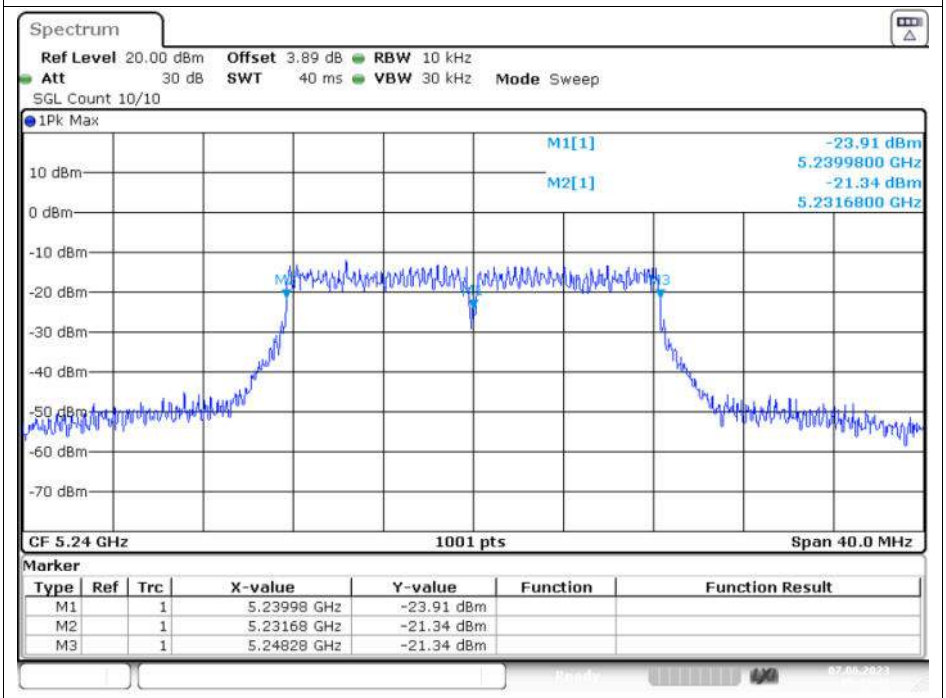
Date: 7.JUN.2023 15:35:27

Freq. Stability 20C 20.4V a 5240MHz Ant1 0 Minutes



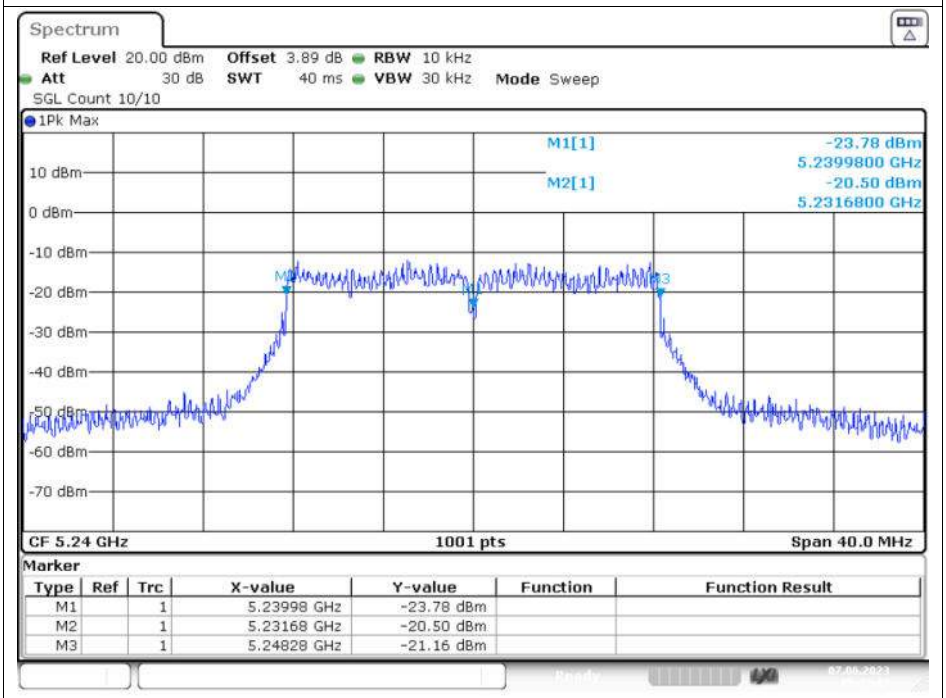
Date: 7.JUN.2023 15:42:07

Freq. Stability 20C 24V a 5240MHz Ant1 0 Minutes



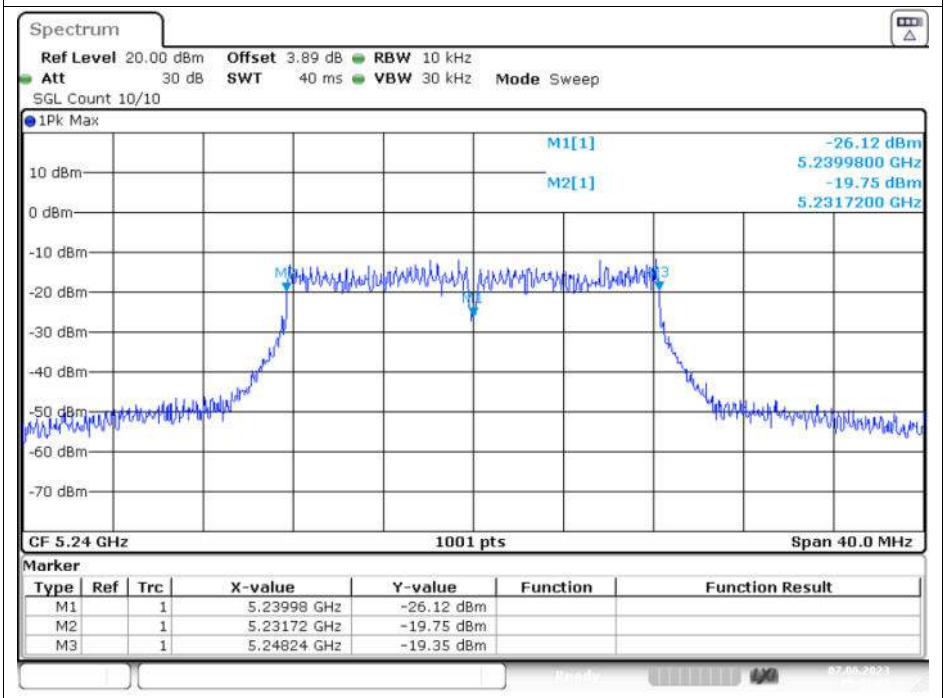
Date: 7.JUN.2023 15:42:42

Freq. Stability 20C 27.6V a 5240MHz Ant1 0 Minutes



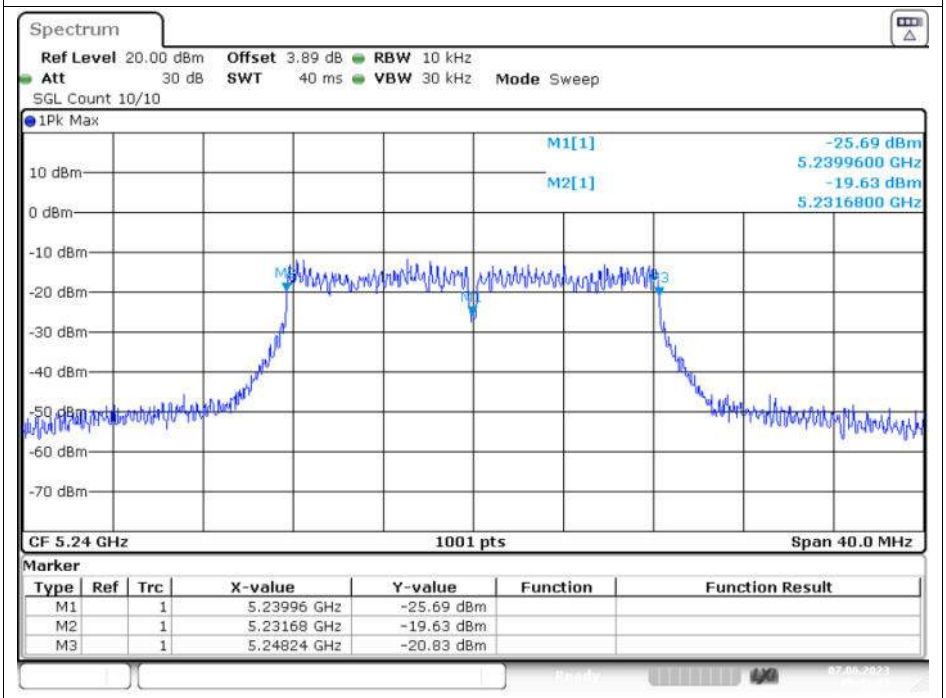
Date: 7.JUN.2023 15:42:17

Freq. Stability -20C 24V a 5240MHz Ant1 0 Minutes

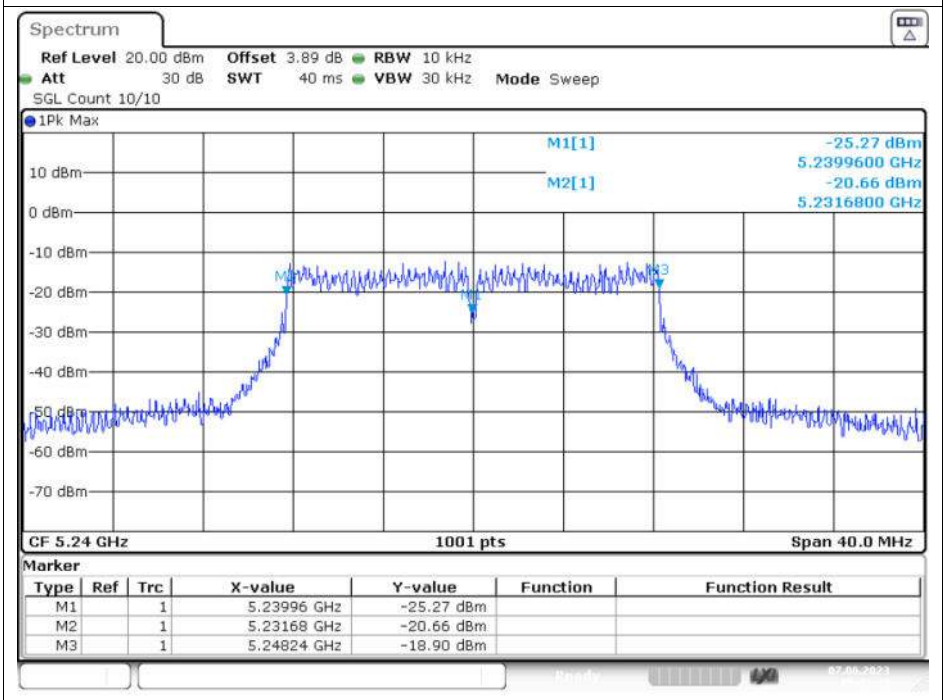


Date: 7.JUN.2023 15:42:22

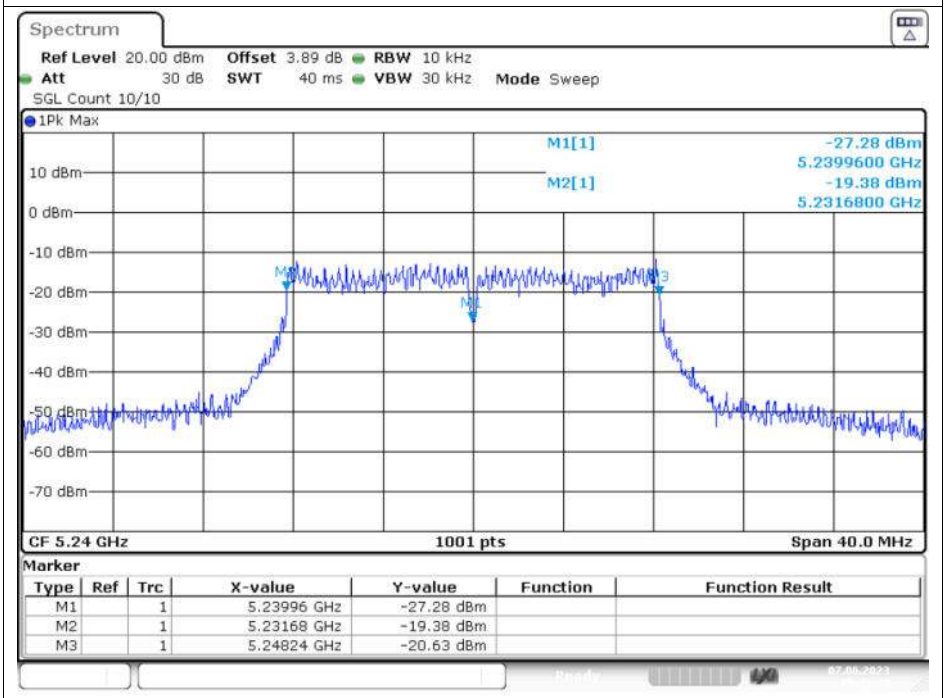
Freq. Stability -10C 24V a 5240MHz Ant1 0 Minutes



Freq. Stability 0C 24V a 5240MHz Ant1 0 Minutes

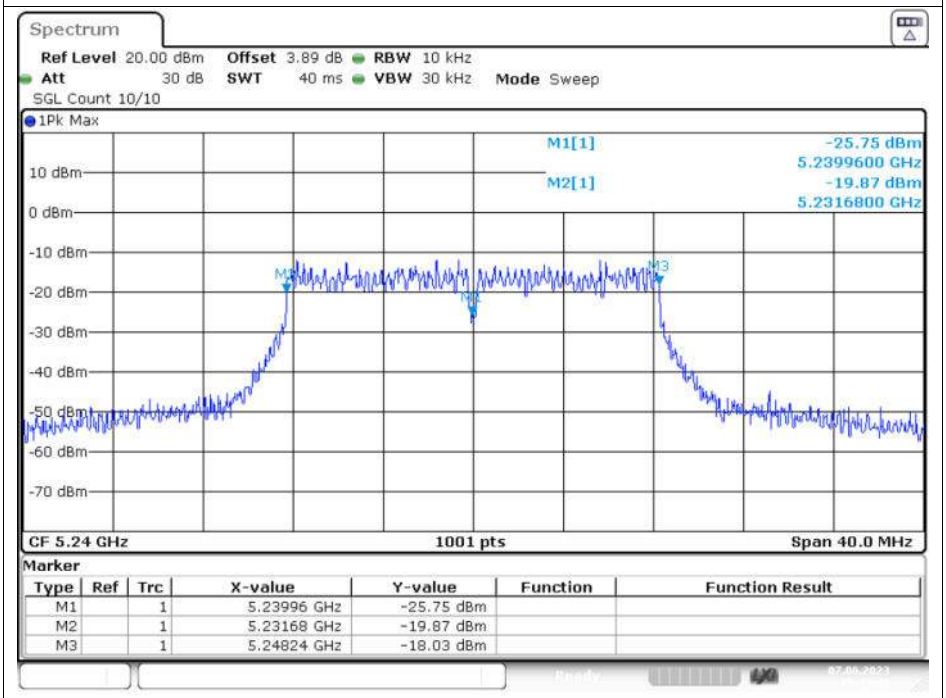


Freq. Stability 10C 24V a 5240MHz Ant1 0 Minutes



Date: 7.JUN.2023 15:42:37

Freq. Stability 30C 24V a 5240MHz Ant1 0 Minutes



Date: 7.JUN.2023 15:42:48