

Appendix A

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.71	0.1	0.73
NVNT	a	5200	Ant1	97.71	0.1	0.73
NVNT	a	5240	Ant1	97.78	0.1	0.73
NVNT	a	5260	Ant1	96.54	0.15	0.73
NVNT	a	5280	Ant1	96.54	0.15	0.73
NVNT	a	5320	Ant1	96.54	0.15	0.73
NVNT	a	5500	Ant1	96.54	0.15	0.73
NVNT	a	5600	Ant1	96.54	0.15	0.73
NVNT	a	5700	Ant1	96.54	0.15	0.73
NVNT	a	5745	Ant1	96.47	0.16	0.73
NVNT	a	5785	Ant1	96.47	0.16	0.73
NVNT	a	5825	Ant1	96.47	0.16	0.73
NVNT	n20	5180	Ant1	96.31	0.16	0.78
NVNT	n20	5200	Ant1	96.54	0.15	0.73
NVNT	n20	5240	Ant1	96.54	0.15	0.73
NVNT	n20	5260	Ant1	96.47	0.16	0.73
NVNT	n20	5280	Ant1	96.54	0.15	0.73
NVNT	n20	5320	Ant1	96.47	0.16	0.73
NVNT	n20	5500	Ant1	96.47	0.16	0.73
NVNT	n20	5600	Ant1	96.54	0.15	0.73
NVNT	n20	5700	Ant1	96.54	0.15	0.73
NVNT	n20	5745	Ant1	96.47	0.16	0.73
NVNT	n20	5785	Ant1	96.47	0.16	0.73
NVNT	n20	5825	Ant1	96.46	0.16	0.73
NVNT	ac20	5180	Ant1	96.33	0.16	0.78
NVNT	ac20	5200	Ant1	96.33	0.16	0.78
NVNT	ac20	5240	Ant1	96.33	0.16	0.78
NVNT	ac20	5260	Ant1	96.33	0.16	0.78
NVNT	ac20	5280	Ant1	96.33	0.16	0.78
NVNT	ac20	5320	Ant1	96.33	0.16	0.78

NVNT	ac20	5500	Ant1	96.33	0.16	0.78
NVNT	ac20	5600	Ant1	96.33	0.16	0.78
NVNT	ac20	5700	Ant1	96.33	0.16	0.78
NVNT	ac20	5745	Ant1	96.25	0.17	0.78
NVNT	ac20	5785	Ant1	96.25	0.17	0.78
NVNT	ac20	5825	Ant1	96.25	0.17	0.78
NVNT	ax20	5180	Ant1	95.3	0.21	1.01
NVNT	ax20	5200	Ant1	95.3	0.21	1.01
NVNT	ax20	5240	Ant1	95.3	0.21	1.01
NVNT	ax20	5260	Ant1	95.3	0.21	1.01
NVNT	ax20	5280	Ant1	95.3	0.21	1.01
NVNT	ax20	5320	Ant1	95.3	0.21	1.01
NVNT	ax20	5500	Ant1	91.03	0.41	1.01
NVNT	ax20	5600	Ant1	95.3	0.21	1.01
NVNT	ax20	5700	Ant1	95.3	0.21	1.01
NVNT	ax20	5745	Ant1	95.21	0.21	1.01
NVNT	ax20	5785	Ant1	95.21	0.21	1.01
NVNT	ax20	5825	Ant1	95.21	0.21	1.01

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	12.65	0.1	12.75	24	Pass
NVNT	a	5200	Ant1	12.52	0.1	12.62	24	Pass
NVNT	a	5240	Ant1	12.72	0.1	12.82	24	Pass
NVNT	a	5260	Ant1	12.32	0.15	12.47	24	Pass
NVNT	a	5280	Ant1	12.67	0.15	12.82	24	Pass
NVNT	a	5320	Ant1	12.63	0.15	12.78	24	Pass
NVNT	a	5500	Ant1	12.02	0.15	12.17	24	Pass
NVNT	a	5600	Ant1	12.53	0.15	12.68	24	Pass
NVNT	a	5700	Ant1	11.91	0.15	12.06	24	Pass
NVNT	a	5745	Ant1	11.52	0.16	11.68	30	Pass
NVNT	a	5785	Ant1	11.6	0.16	11.76	30	Pass
NVNT	a	5825	Ant1	10.54	0.16	10.7	30	Pass
NVNT	n20	5180	Ant1	12.25	0.16	12.41	24	Pass
NVNT	n20	5200	Ant1	11.83	0.15	11.98	24	Pass
NVNT	n20	5240	Ant1	11.83	0.15	11.98	24	Pass
NVNT	n20	5260	Ant1	11.92	0.16	12.08	24	Pass
NVNT	n20	5280	Ant1	11.61	0.15	11.76	24	Pass
NVNT	n20	5320	Ant1	11.51	0.16	11.67	24	Pass
NVNT	n20	5500	Ant1	11.24	0.16	11.4	24	Pass
NVNT	n20	5600	Ant1	11.62	0.15	11.77	24	Pass
NVNT	n20	5700	Ant1	11.23	0.15	11.38	24	Pass
NVNT	n20	5745	Ant1	10.81	0.16	10.97	30	Pass
NVNT	n20	5785	Ant1	10.87	0.16	11.03	30	Pass
NVNT	n20	5825	Ant1	9.96	0.16	10.12	30	Pass
NVNT	ac20	5180	Ant1	11.88	0.16	12.04	24	Pass
NVNT	ac20	5200	Ant1	11.37	0.16	11.53	24	Pass
NVNT	ac20	5240	Ant1	11.43	0.16	11.59	24	Pass
NVNT	ac20	5260	Ant1	11.42	0.16	11.58	24	Pass
NVNT	ac20	5280	Ant1	11.24	0.16	11.4	24	Pass
NVNT	ac20	5320	Ant1	11.42	0.16	11.58	24	Pass
NVNT	ac20	5500	Ant1	12.49	0.16	12.65	24	Pass
NVNT	ac20	5600	Ant1	13.16	0.16	13.32	24	Pass
NVNT	ac20	5700	Ant1	12.77	0.16	12.93	24	Pass
NVNT	ac20	5745	Ant1	12.83	0.17	13	30	Pass
NVNT	ac20	5785	Ant1	12.88	0.17	13.05	30	Pass
NVNT	ac20	5825	Ant1	11.97	0.17	12.14	30	Pass
NVNT	ax20	5180	Ant1	10.56	0.21	10.77	24	Pass
NVNT	ax20	5200	Ant1	10.56	0.21	10.77	24	Pass
NVNT	ax20	5240	Ant1	10.5	0.21	10.71	24	Pass

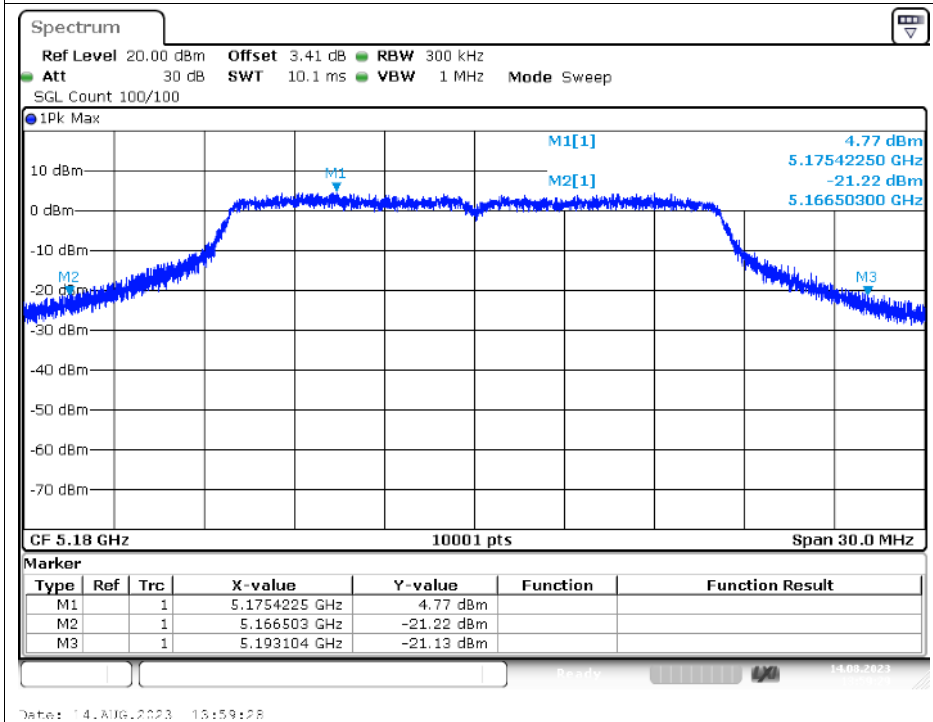
NVNT	ax20	5260	Ant1	10.44	0.21	10.65	24	Pass
NVNT	ax20	5280	Ant1	10.22	0.21	10.43	24	Pass
NVNT	ax20	5320	Ant1	10.04	0.21	10.25	24	Pass
NVNT	ax20	5500	Ant1	10.6	0.41	11.01	24	Pass
NVNT	ax20	5600	Ant1	10.93	0.21	11.14	24	Pass
NVNT	ax20	5700	Ant1	10.62	0.21	10.83	24	Pass
NVNT	ax20	5745	Ant1	10.54	0.21	10.75	30	Pass
NVNT	ax20	5785	Ant1	10.62	0.21	10.83	30	Pass
NVNT	ax20	5825	Ant1	9.63	0.21	9.84	30	Pass

-26dB Bandwidth

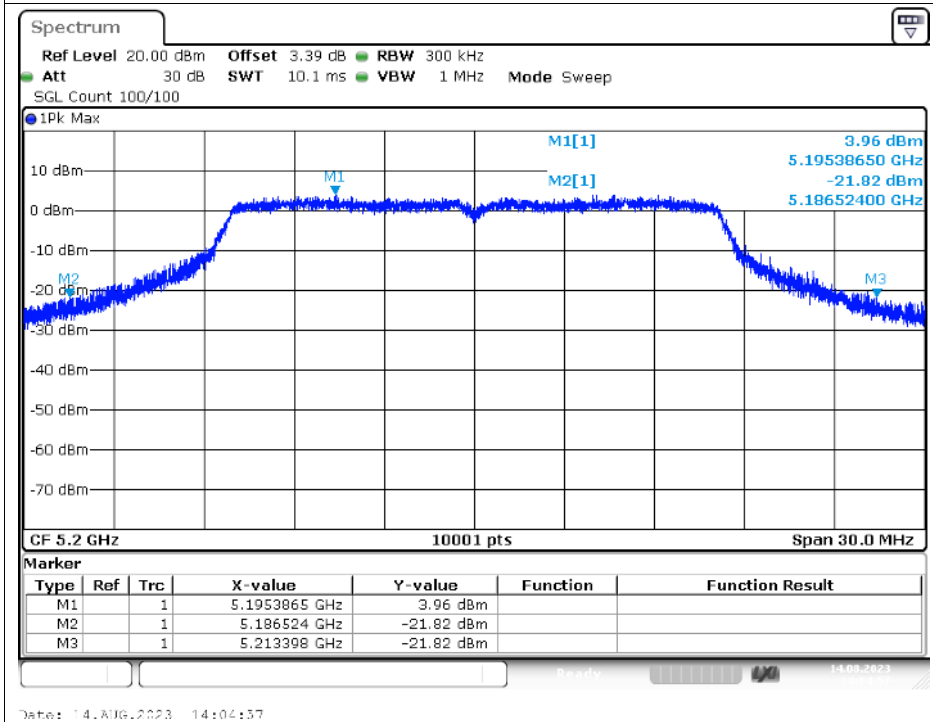
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	26.601	0.5	Pass
NVNT	a	5200	Ant1	26.874	0.5	Pass
NVNT	a	5240	Ant1	26.619	0.5	Pass
NVNT	a	5260	Ant1	26.136	0.5	Pass
NVNT	a	5280	Ant1	26.271	0.5	Pass
NVNT	a	5320	Ant1	27.042	0.5	Pass
NVNT	a	5500	Ant1	26.595	0.5	Pass
NVNT	a	5600	Ant1	26.454	0.5	Pass
NVNT	a	5700	Ant1	26.457	0.5	Pass
NVNT	n20	5180	Ant1	28.314	0.5	Pass
NVNT	n20	5200	Ant1	26.94	0.5	Pass
NVNT	n20	5240	Ant1	26.334	0.5	Pass
NVNT	n20	5260	Ant1	26.499	0.5	Pass
NVNT	n20	5280	Ant1	25.941	0.5	Pass
NVNT	n20	5320	Ant1	27.261	0.5	Pass
NVNT	n20	5500	Ant1	26.574	0.5	Pass
NVNT	n20	5600	Ant1	26.727	0.5	Pass
NVNT	n20	5700	Ant1	25.455	0.5	Pass
NVNT	ac20	5180	Ant1	29.889	0.5	Pass
NVNT	ac20	5200	Ant1	29.433	0.5	Pass
NVNT	ac20	5240	Ant1	27.765	0.5	Pass
NVNT	ac20	5260	Ant1	27	0.5	Pass
NVNT	ac20	5280	Ant1	26.928	0.5	Pass
NVNT	ac20	5320	Ant1	26.7	0.5	Pass
NVNT	ac20	5500	Ant1	27.708	0.5	Pass
NVNT	ac20	5600	Ant1	28.212	0.5	Pass
NVNT	ac20	5700	Ant1	28.425	0.5	Pass
NVNT	ax20	5180	Ant1	26.103	0.5	Pass
NVNT	ax20	5200	Ant1	25.926	0.5	Pass
NVNT	ax20	5240	Ant1	25.83	0.5	Pass
NVNT	ax20	5260	Ant1	25.683	0.5	Pass
NVNT	ax20	5280	Ant1	25.695	0.5	Pass
NVNT	ax20	5320	Ant1	25.815	0.5	Pass
NVNT	ax20	5500	Ant1	26.055	0.5	Pass
NVNT	ax20	5600	Ant1	26.271	0.5	Pass
NVNT	ax20	5700	Ant1	26.229	0.5	Pass

Test Graphs

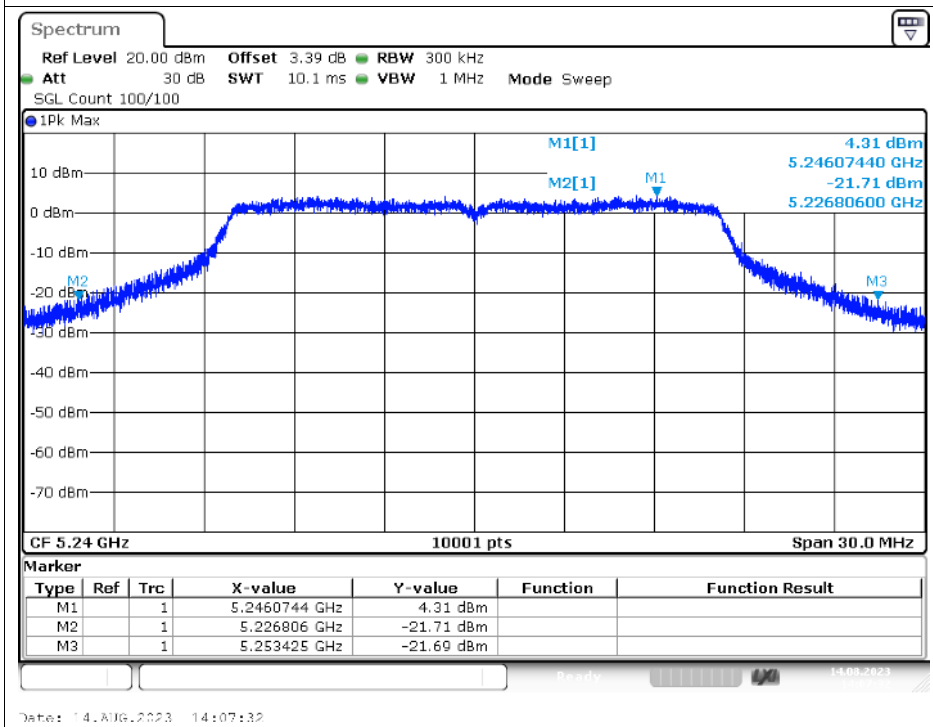
-26dB Bandwidth NVNT a 5180MHz Ant1



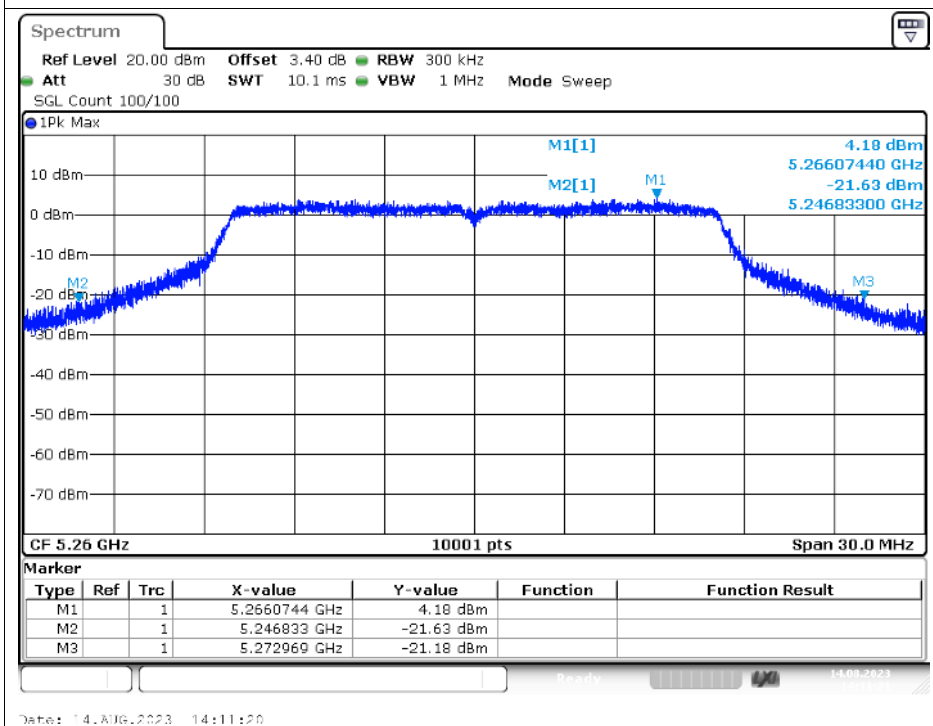
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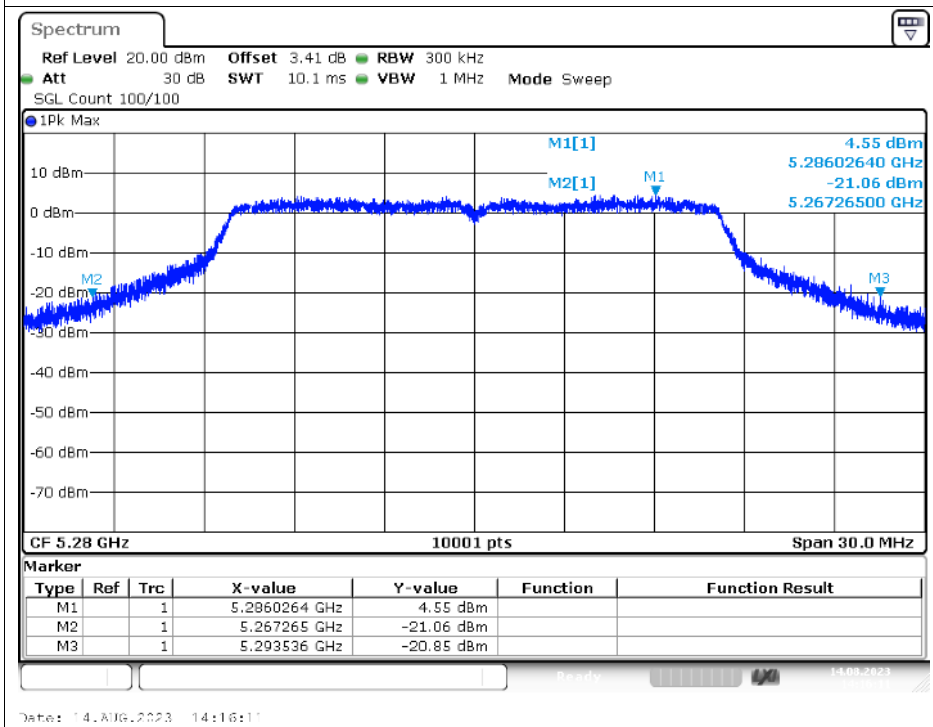
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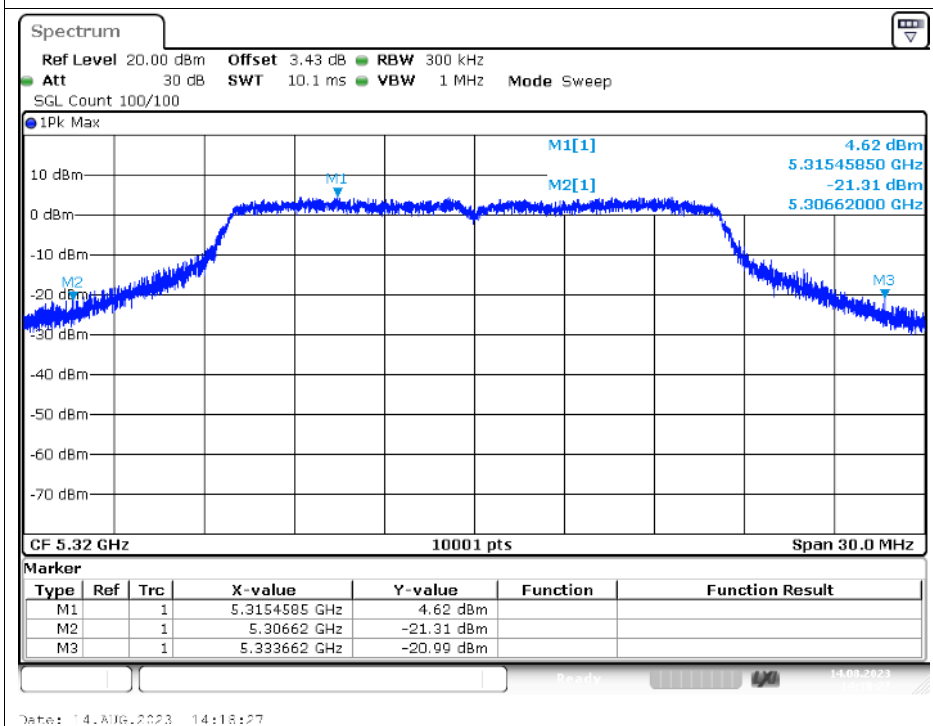
-26dB Bandwidth NVNT a 5260MHz Ant1



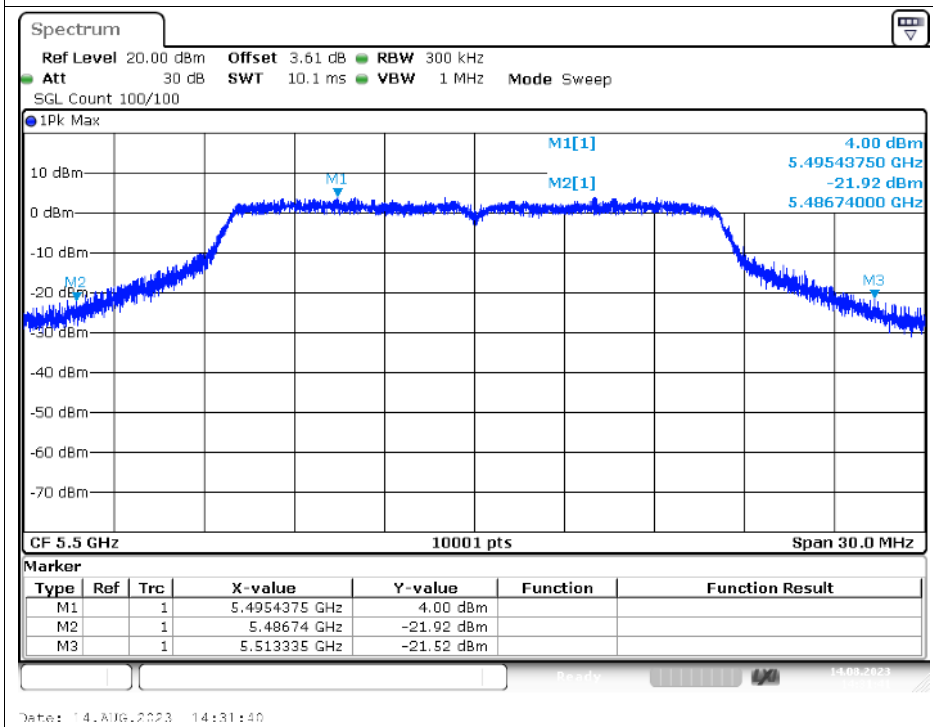
-26dB Bandwidth NVNT a 5280MHz Ant1



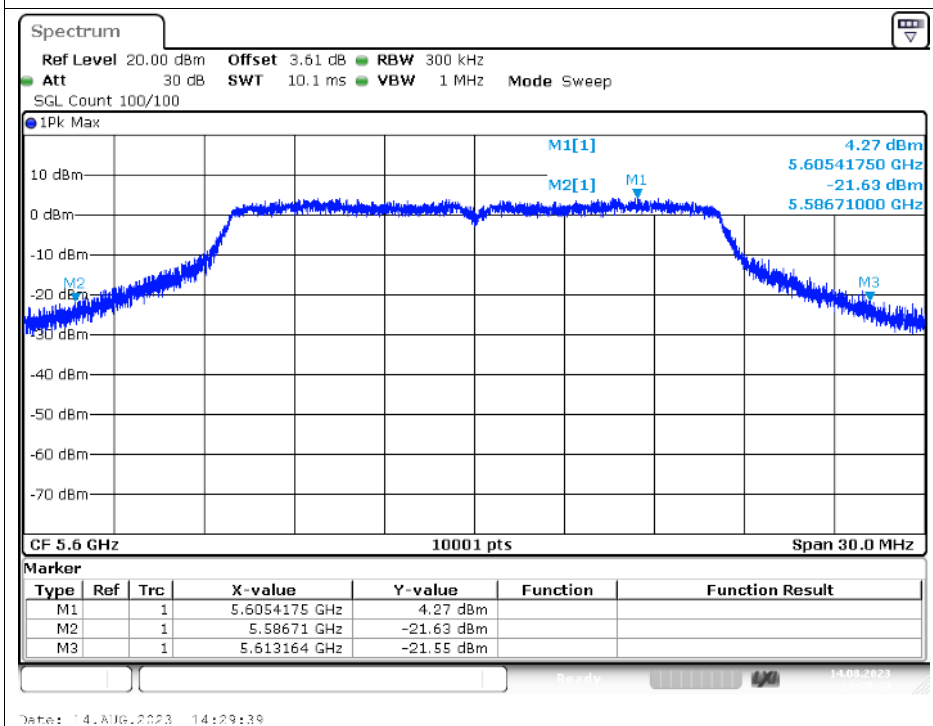
-26dB Bandwidth NVNT a 5320MHz Ant1



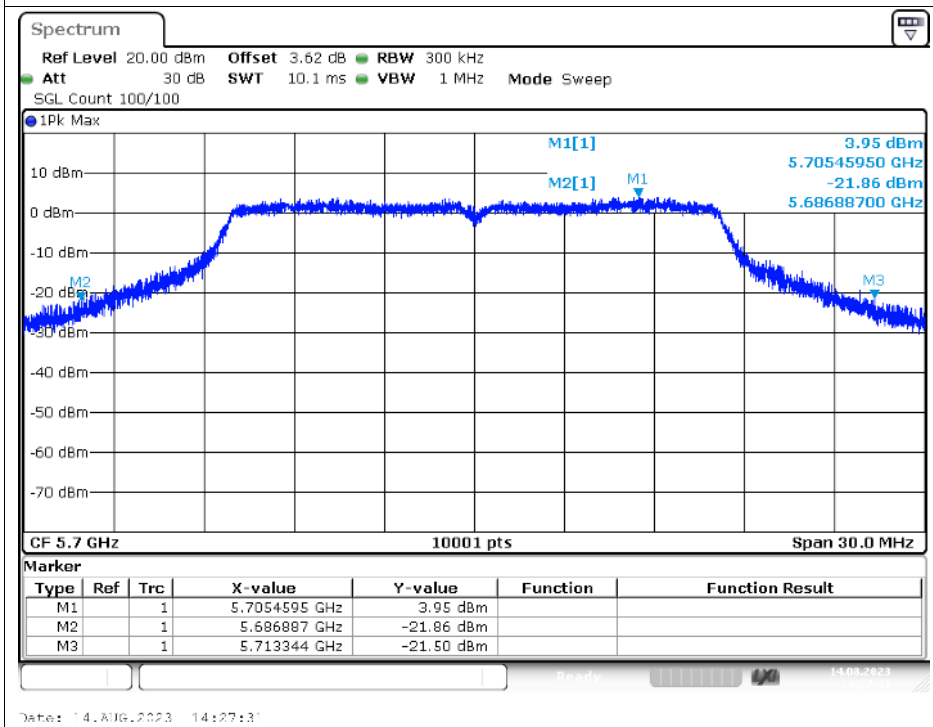
-26dB Bandwidth NVNT a 5500MHz Ant1



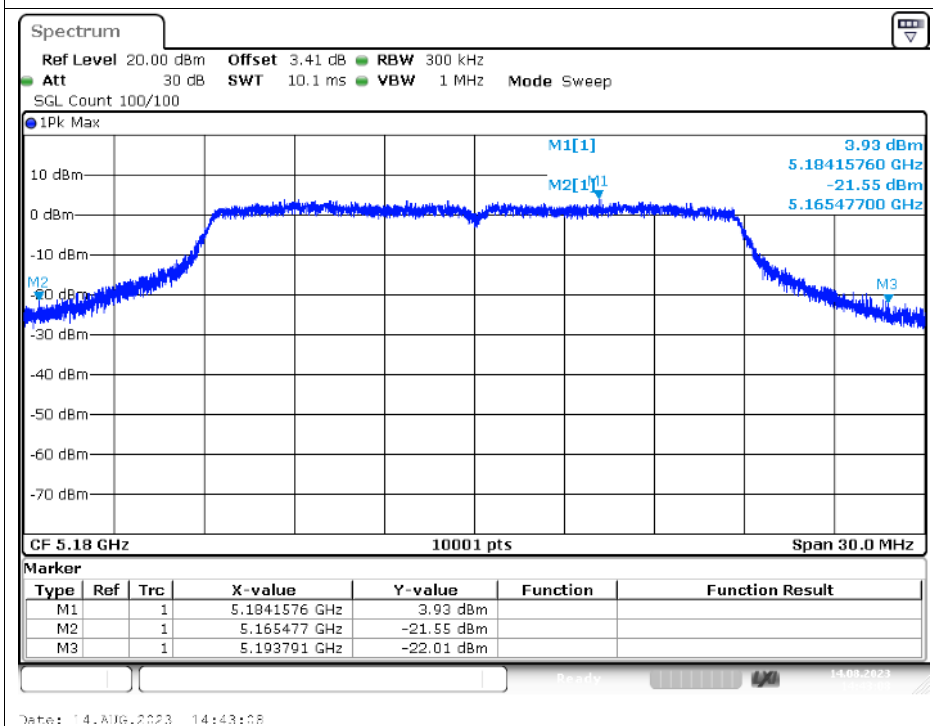
-26dB Bandwidth NVNT a 5600MHz Ant1



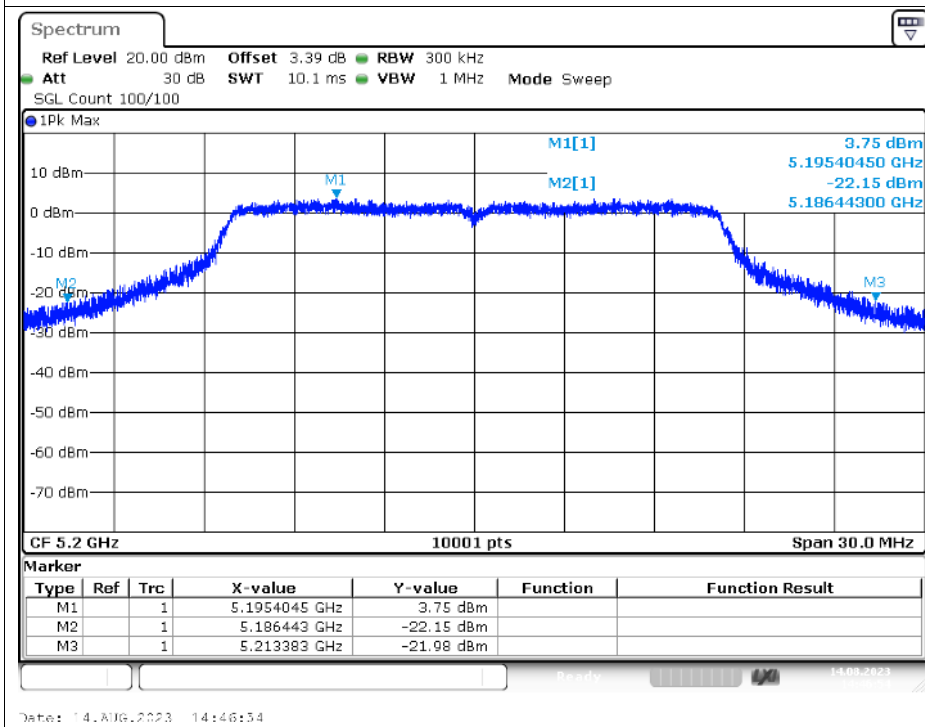
-26dB Bandwidth NVNT a 5700MHz Ant1



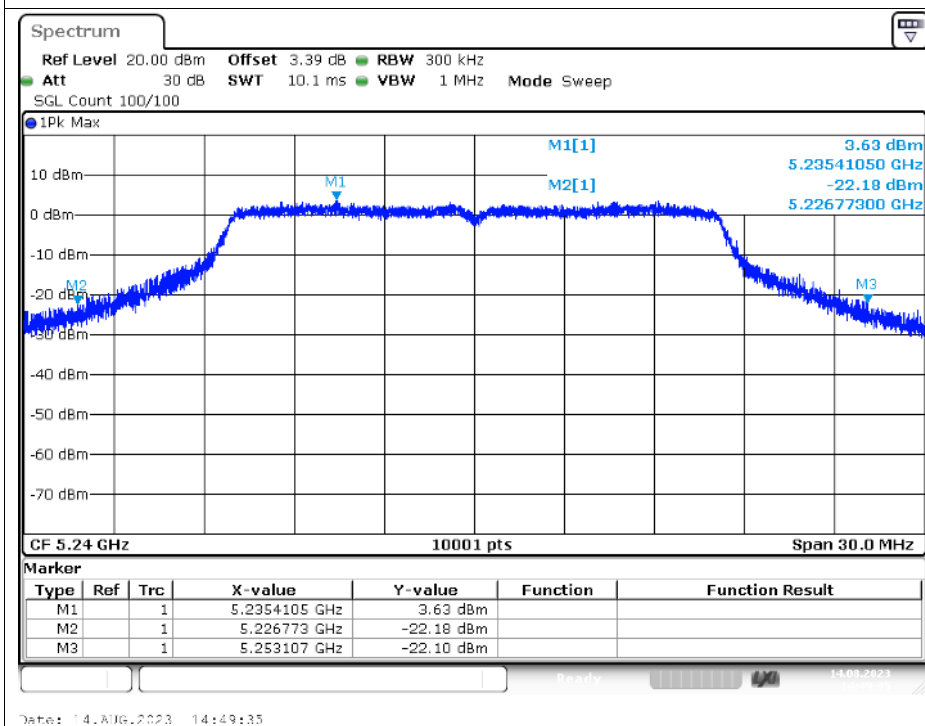
-26dB Bandwidth NVNT n20 5180MHz Ant1



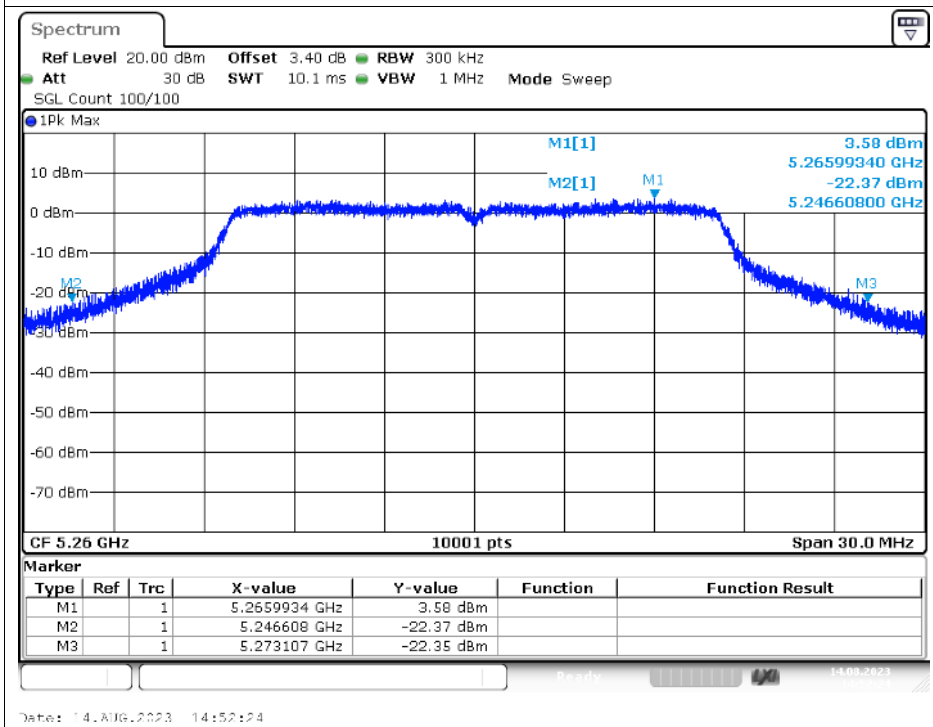
-26dB Bandwidth NVNT n20 5200MHz Ant1



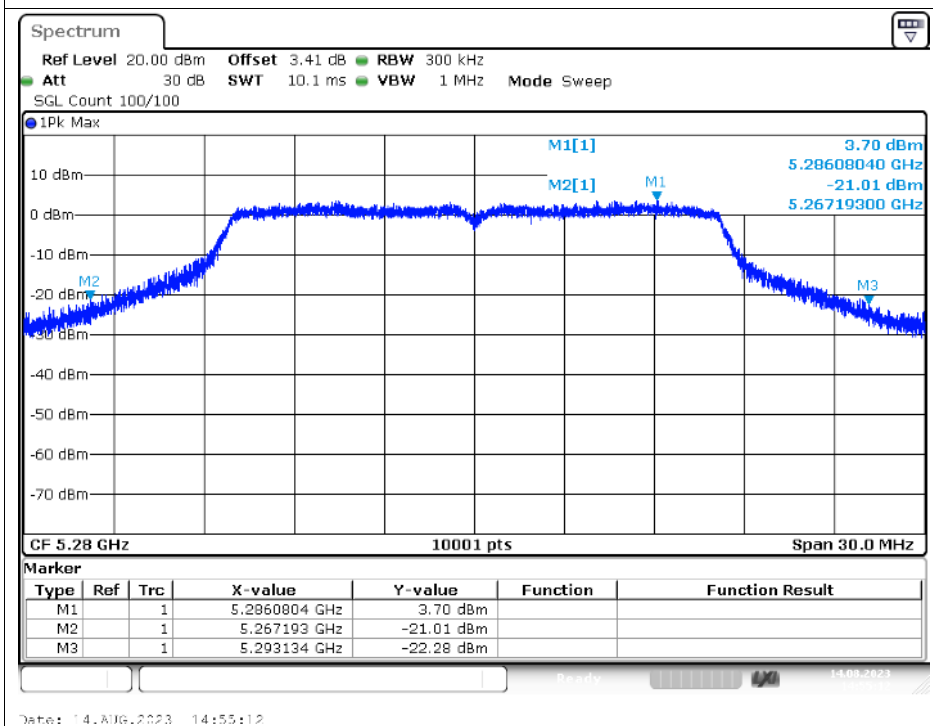
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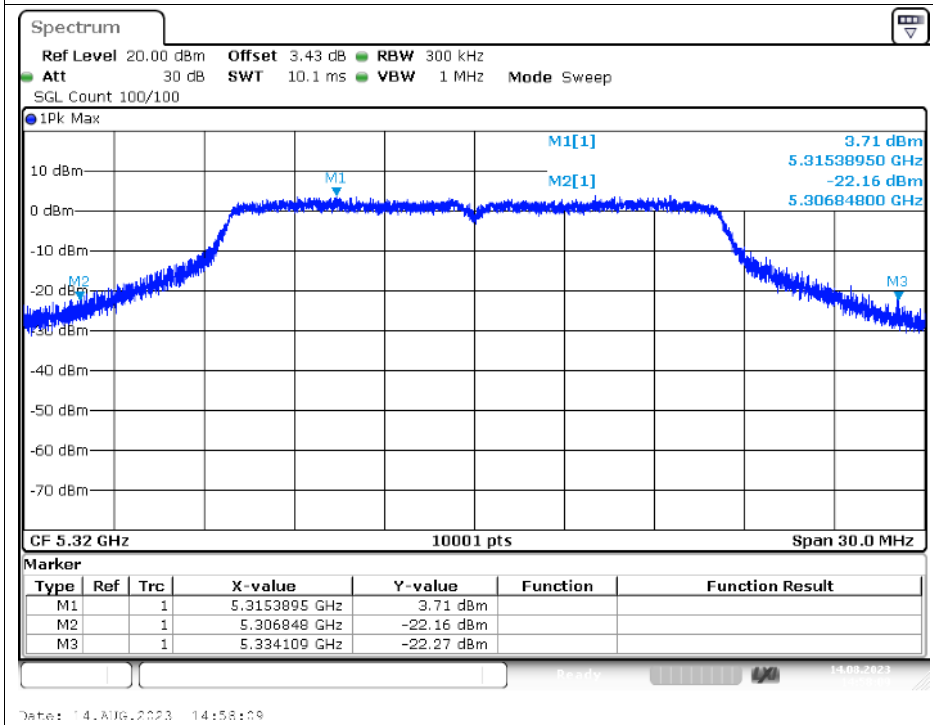
-26dB Bandwidth NVNT n20 5260MHz Ant1



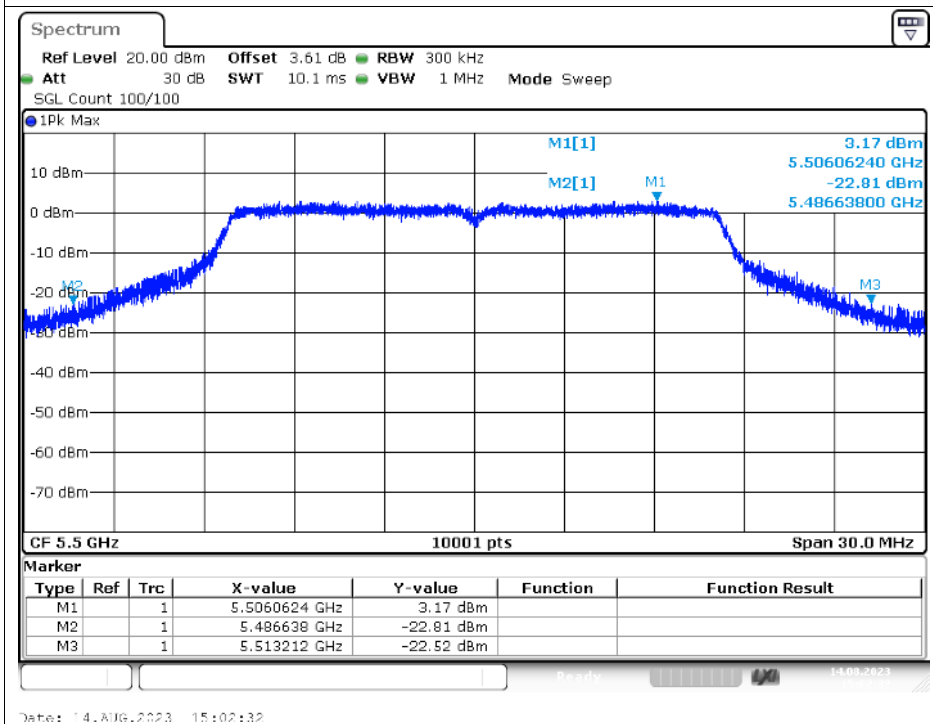
-26dB Bandwidth NVNT n20 5280MHz Ant1



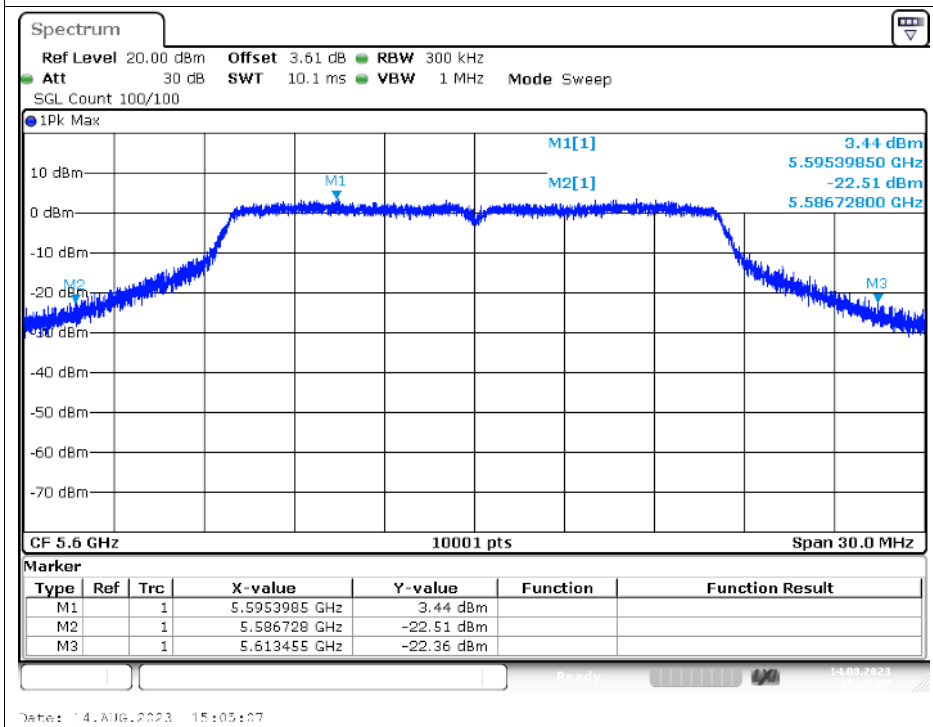
-26dB Bandwidth NVNT n20 5320MHz Ant1



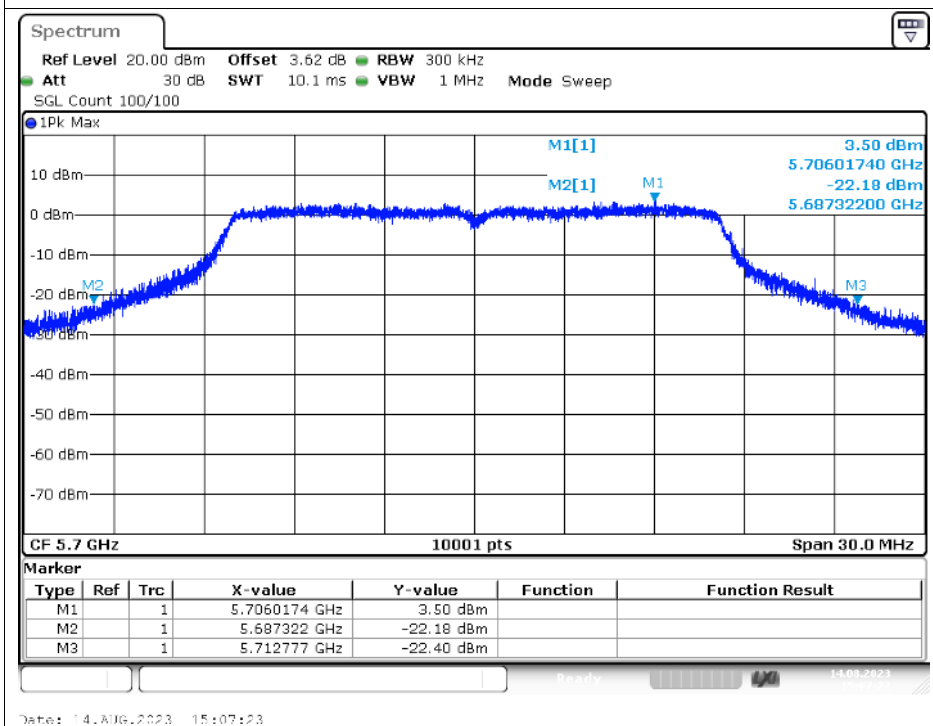
-26dB Bandwidth NVNT n20 5500MHz Ant1

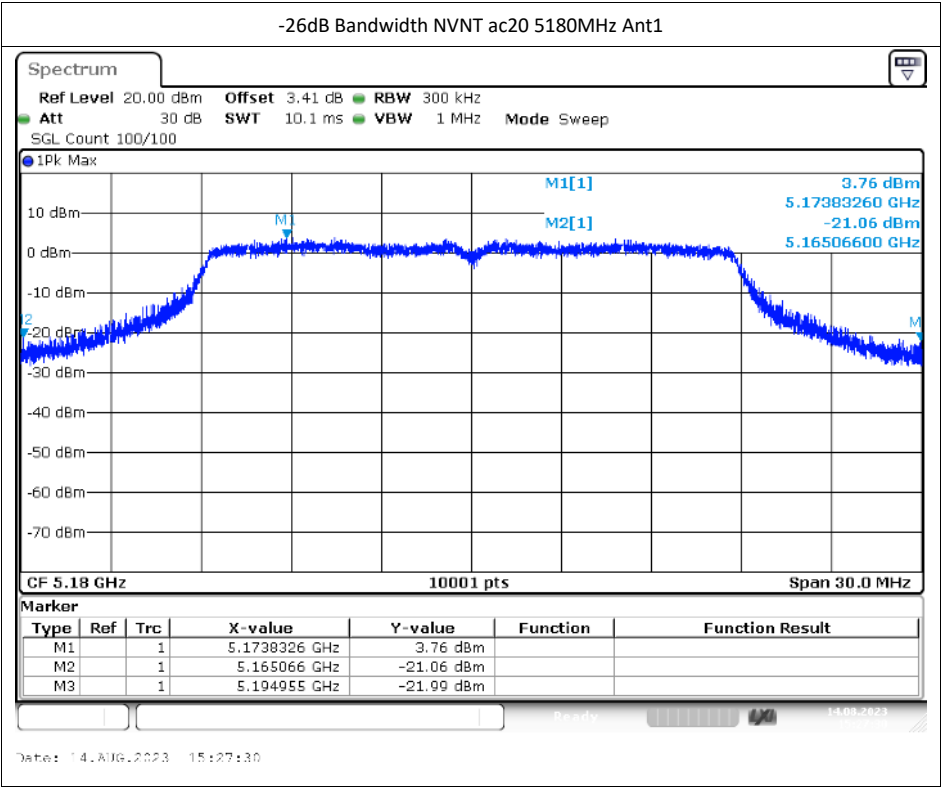


-26dB Bandwidth NVNT n20 5600MHz Ant1

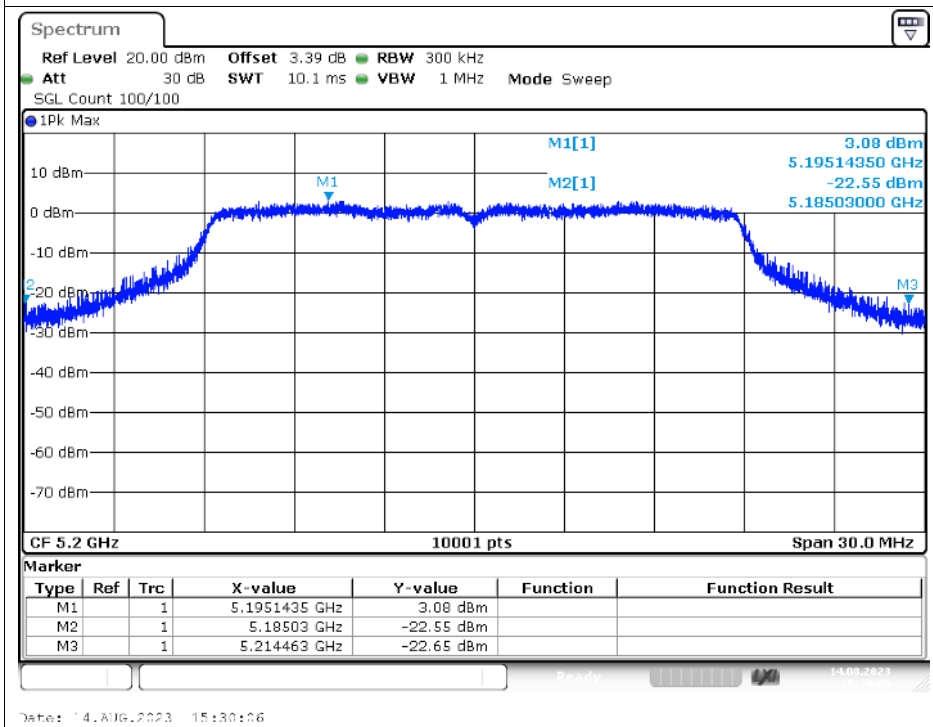


-26dB Bandwidth NVNT n20 5700MHz Ant1

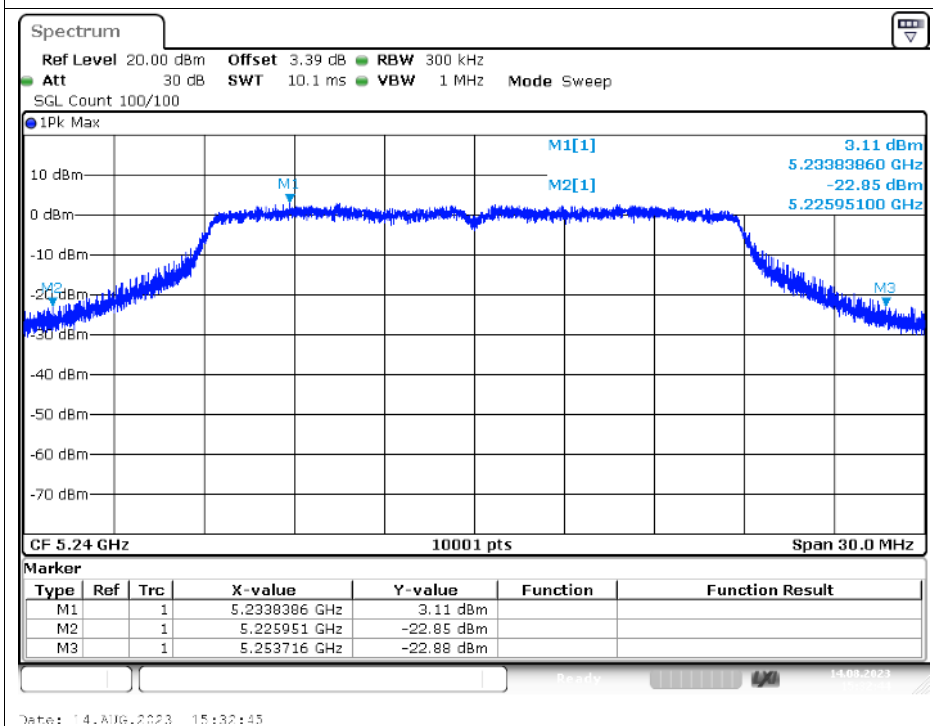




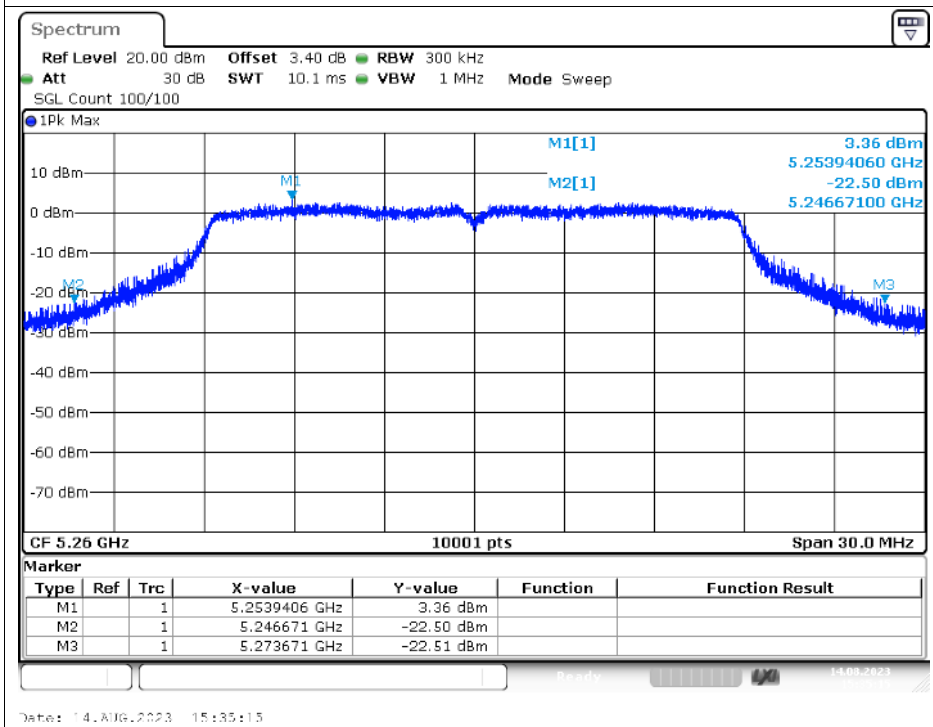
-26dB Bandwidth NVNT ac20 5200MHz Ant1



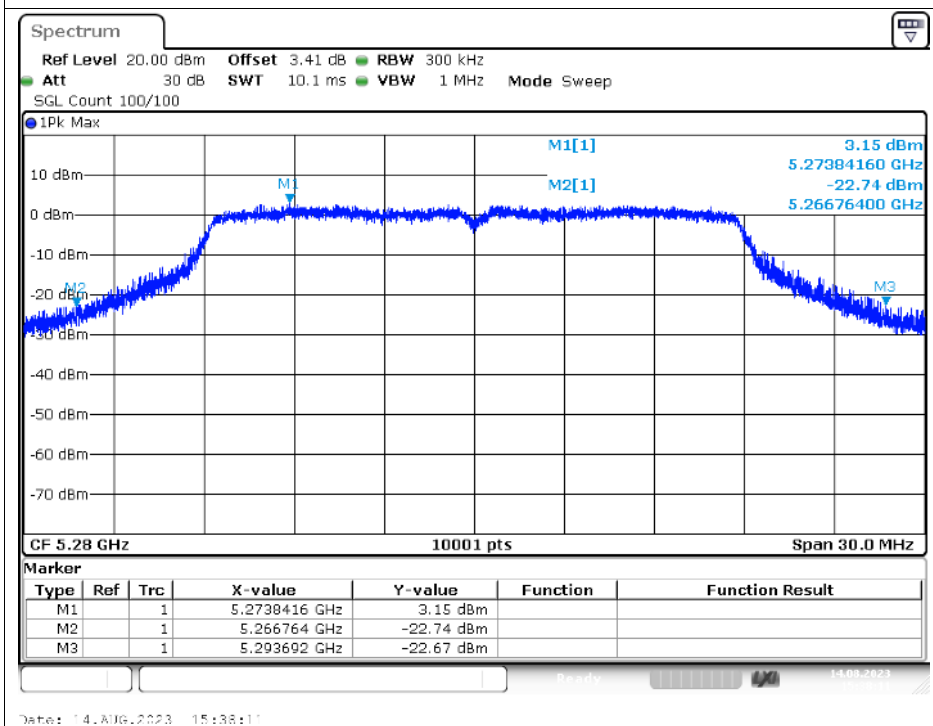
-26dB Bandwidth NVNT ac20 5240MHz Ant1



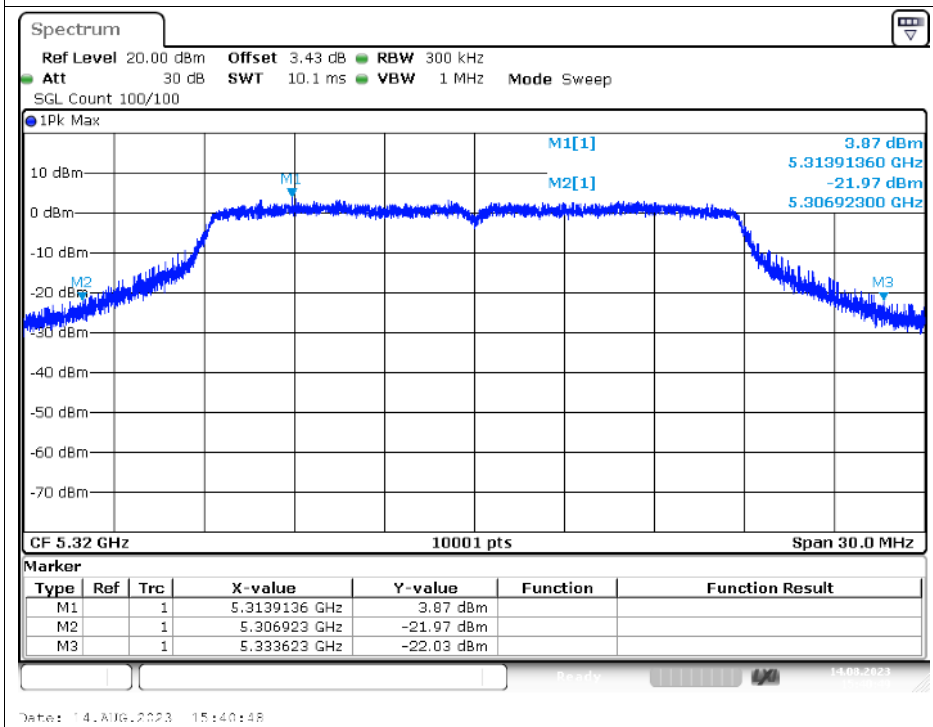
-26dB Bandwidth NVNT ac20 5260MHz Ant1



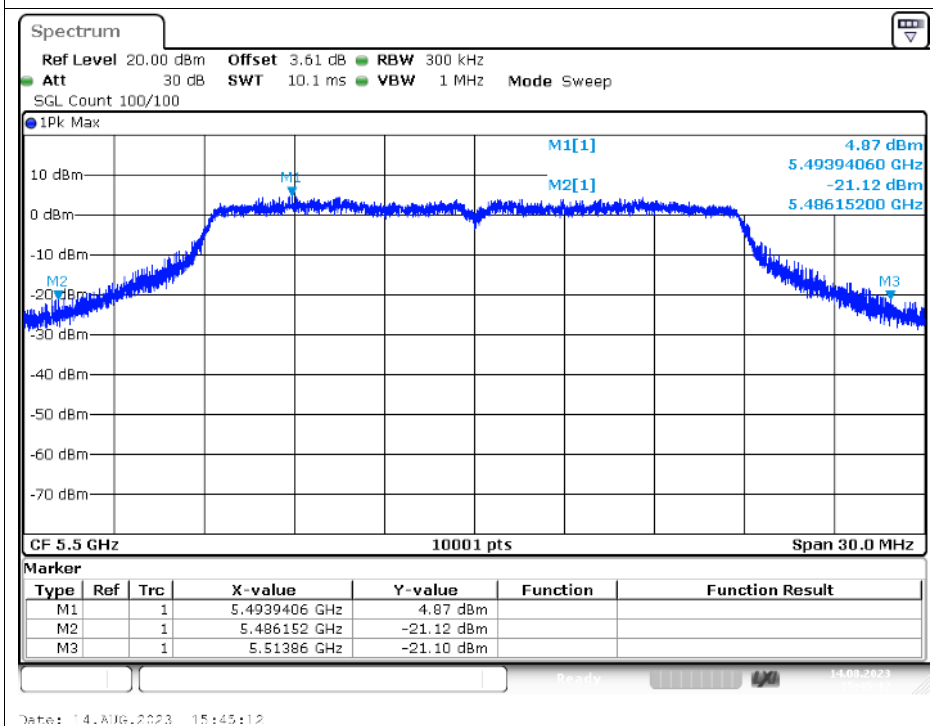
-26dB Bandwidth NVNT ac20 5280MHz Ant1



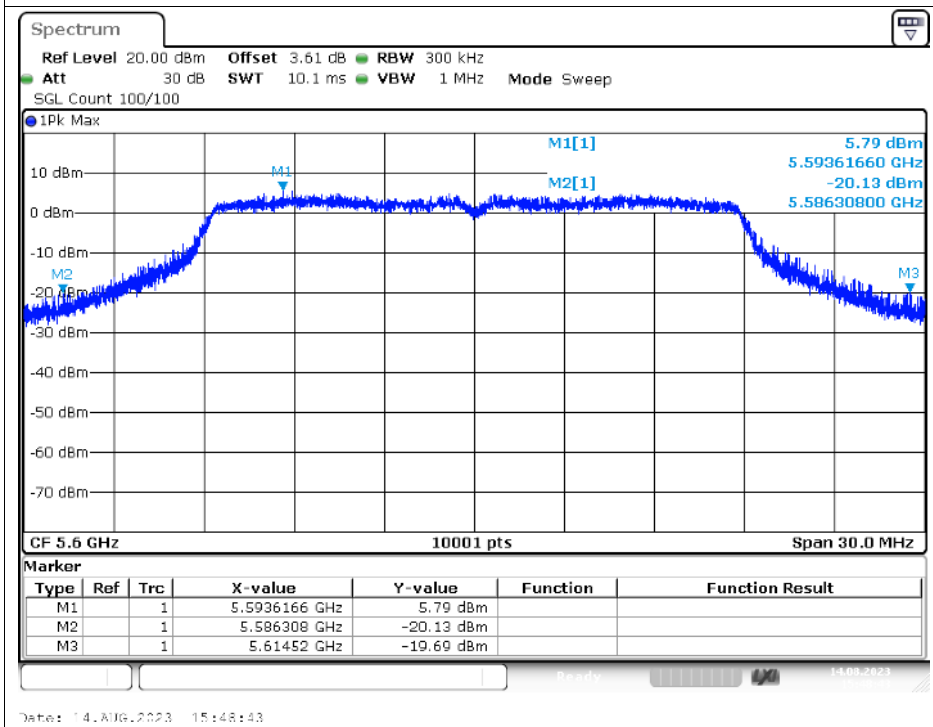
-26dB Bandwidth NVNT ac20 5320MHz Ant1



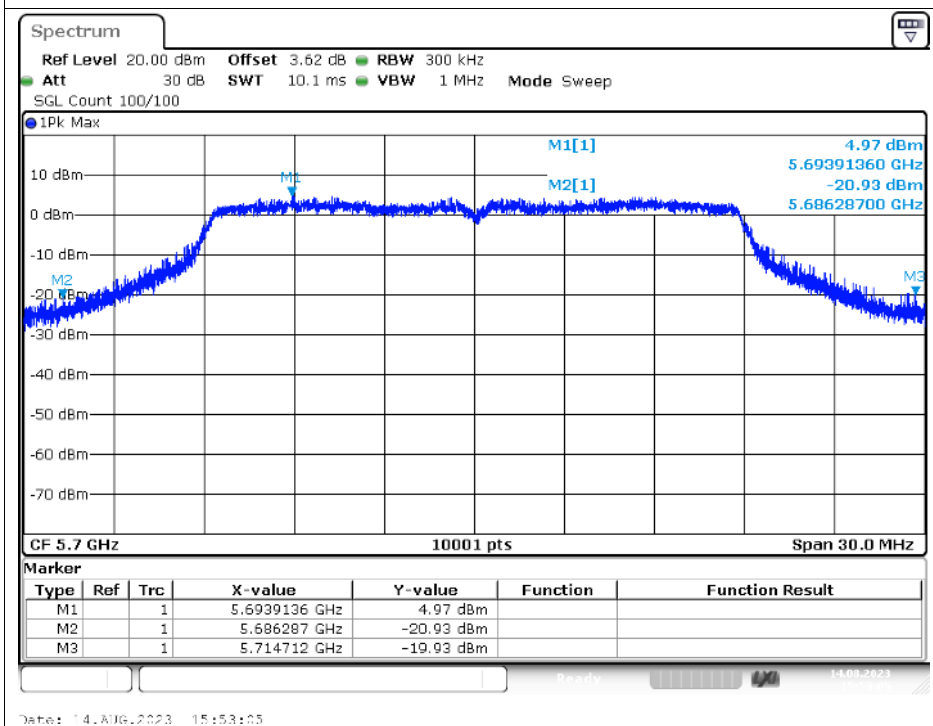
-26dB Bandwidth NVNT ac20 5500MHz Ant1

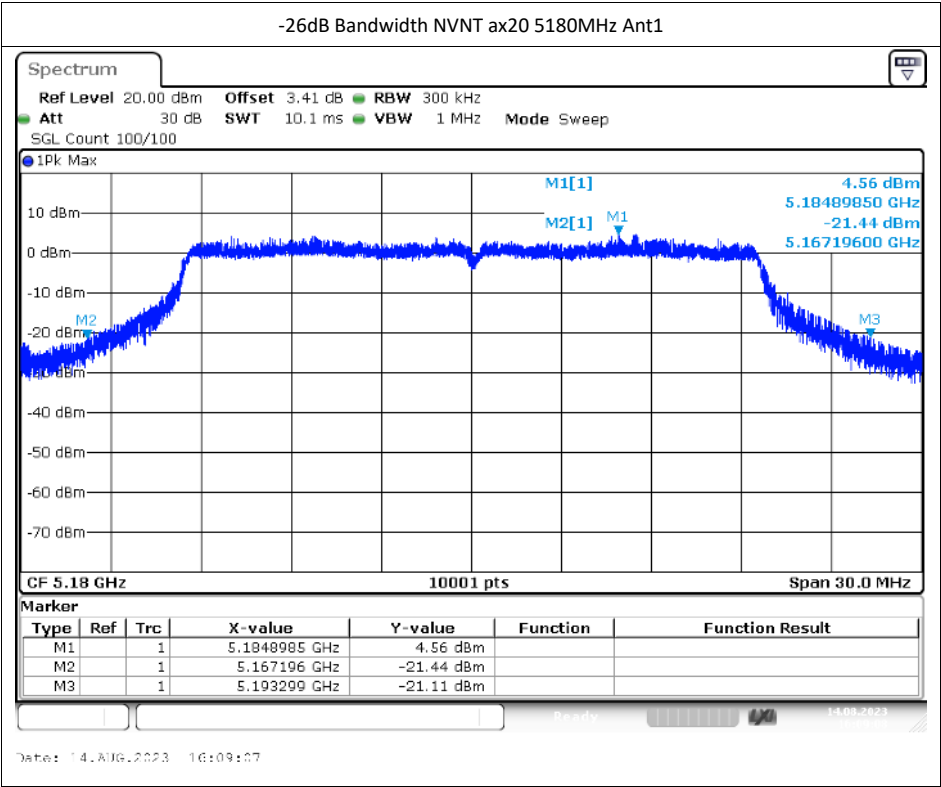


-26dB Bandwidth NVNT ac20 5600MHz Ant1

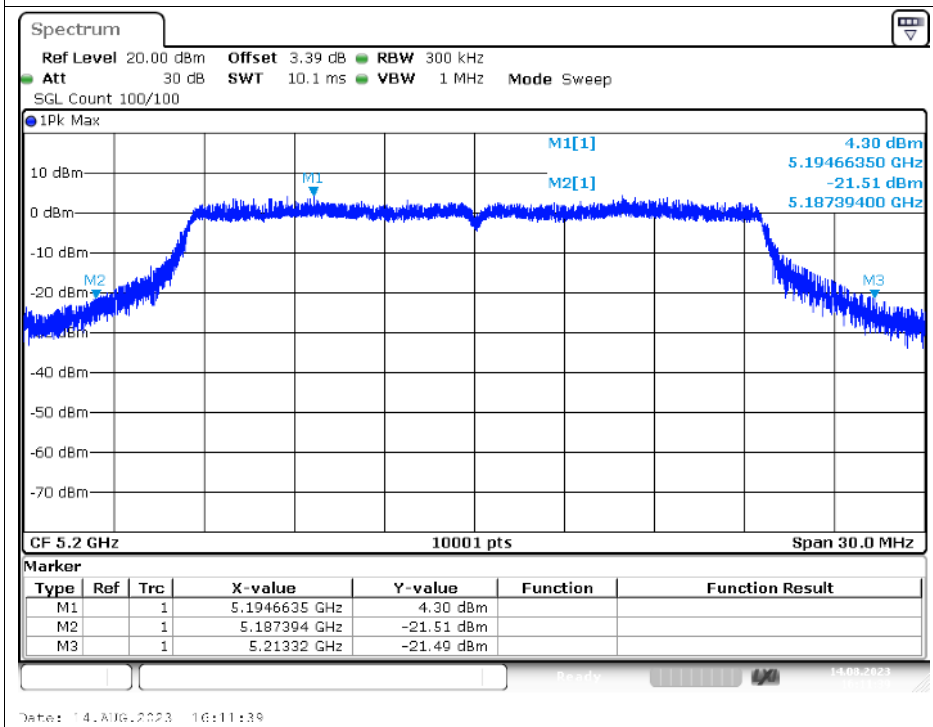


-26dB Bandwidth NVNT ac20 5700MHz Ant1

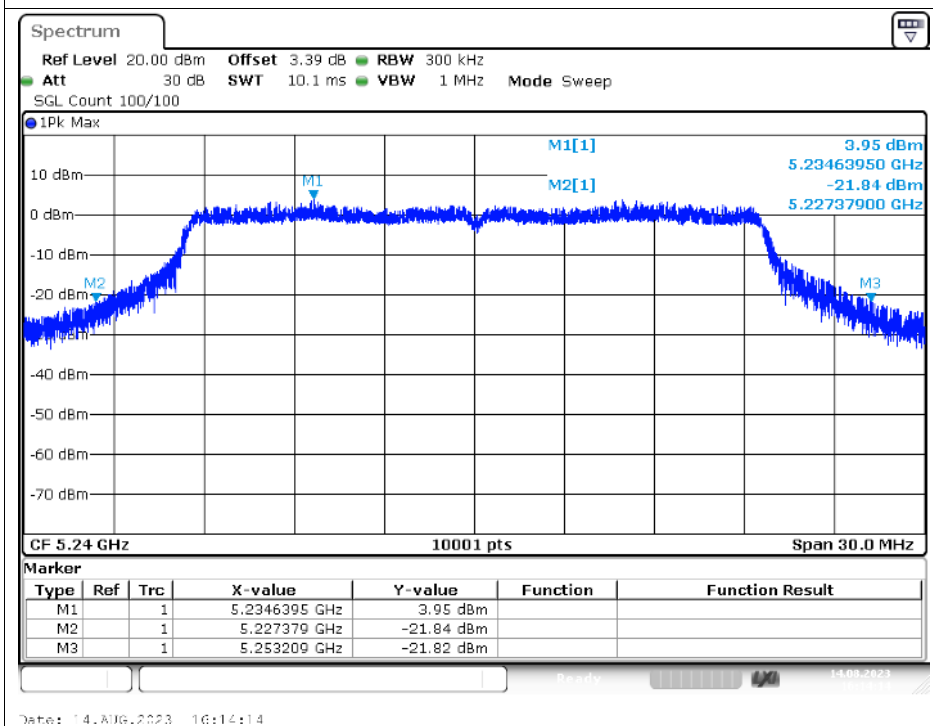




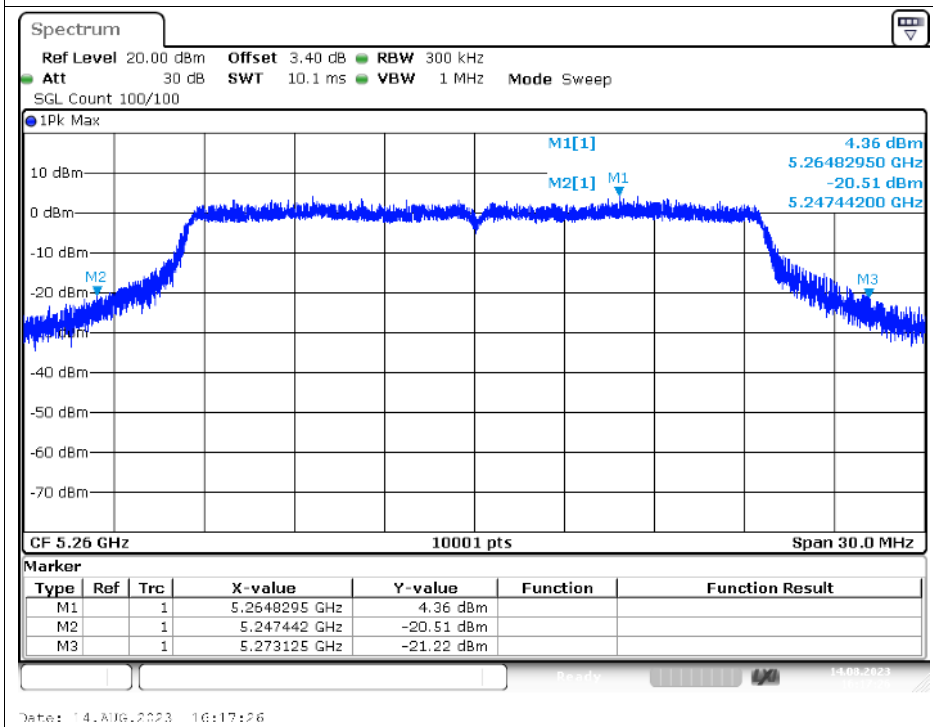
-26dB Bandwidth NVNT ax20 5200MHz Ant1



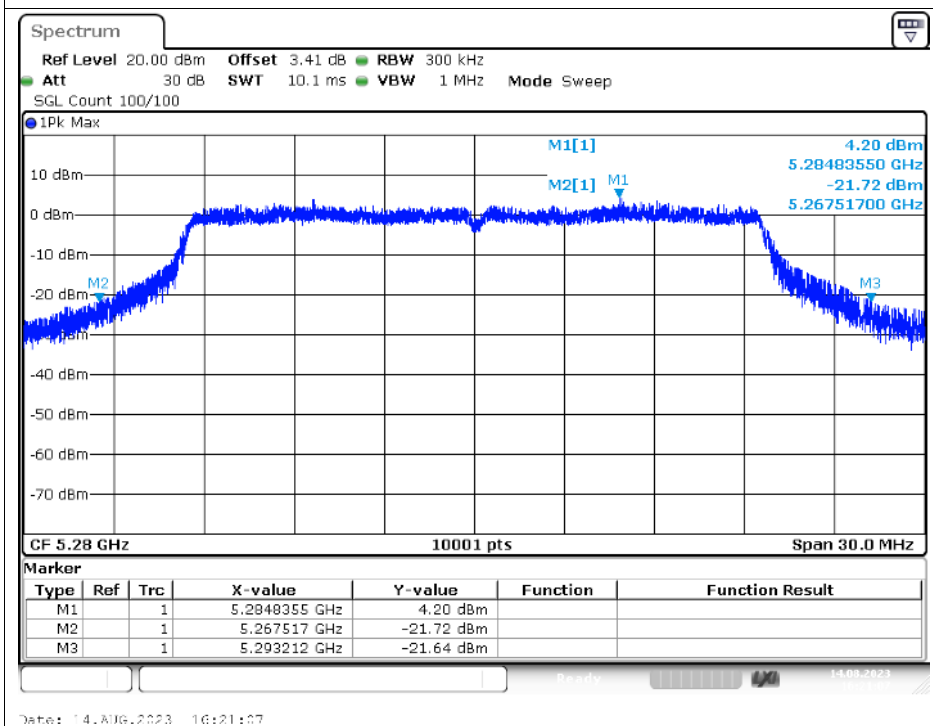
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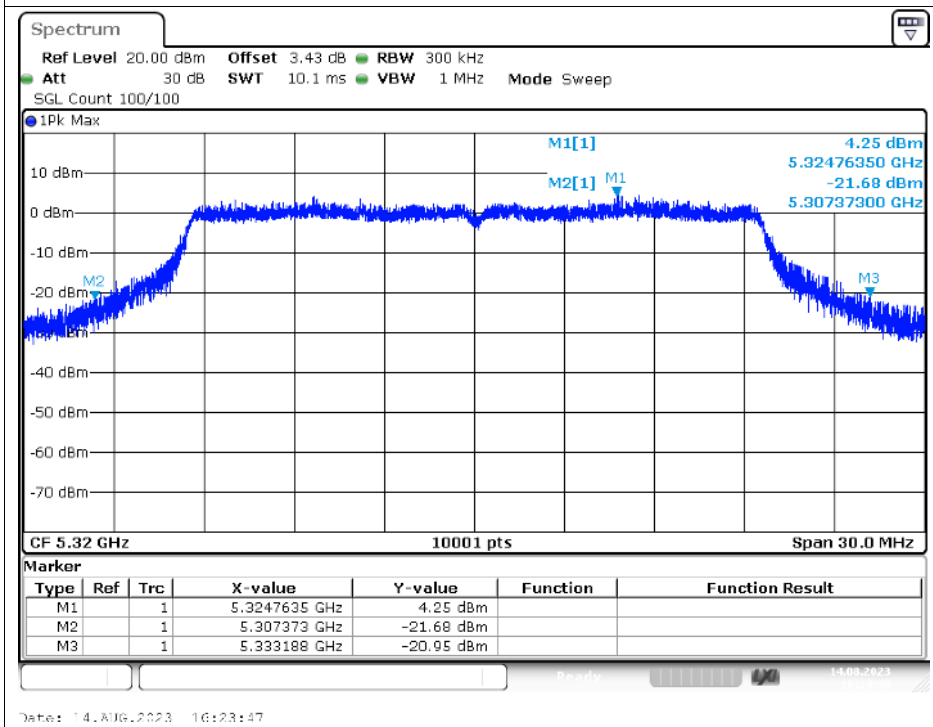
-26dB Bandwidth NVNT ax20 5260MHz Ant1



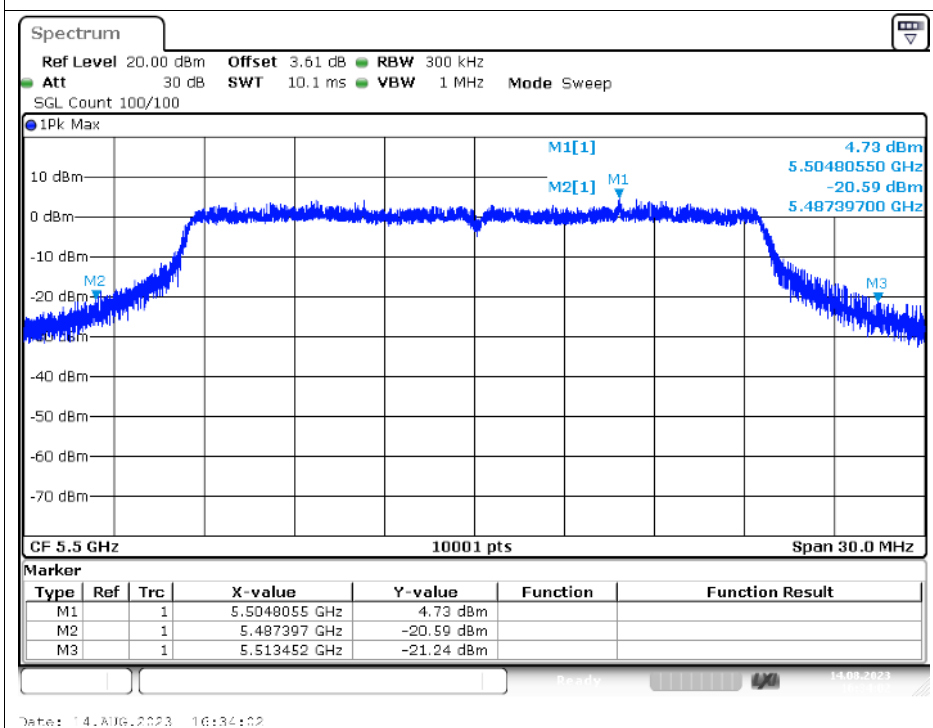
-26dB Bandwidth NVNT ax20 5280MHz Ant1



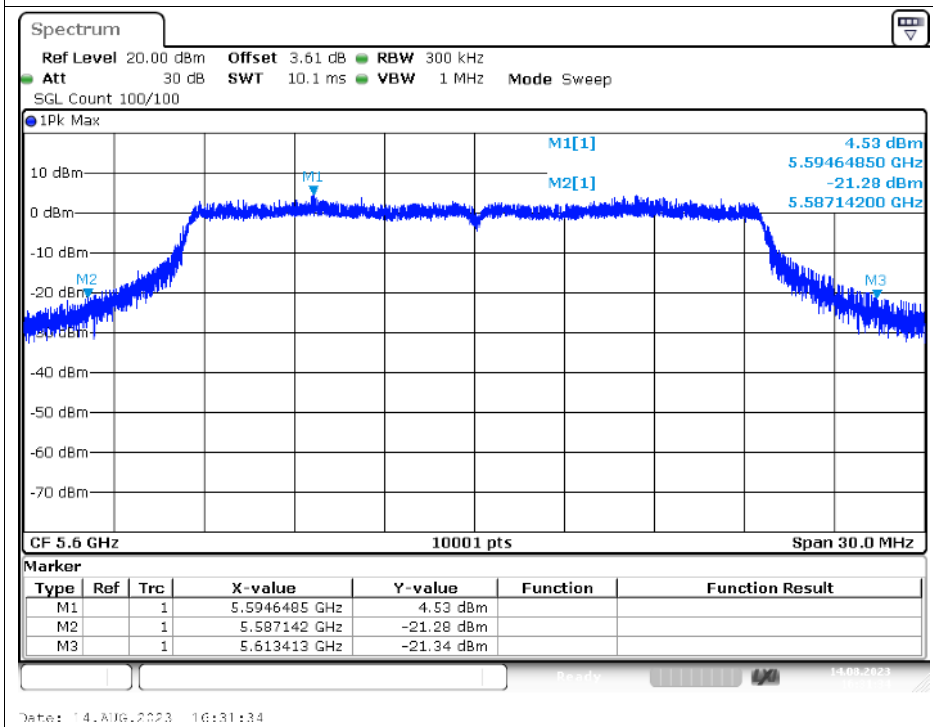
-26dB Bandwidth NVNT ax20 5320MHz Ant1



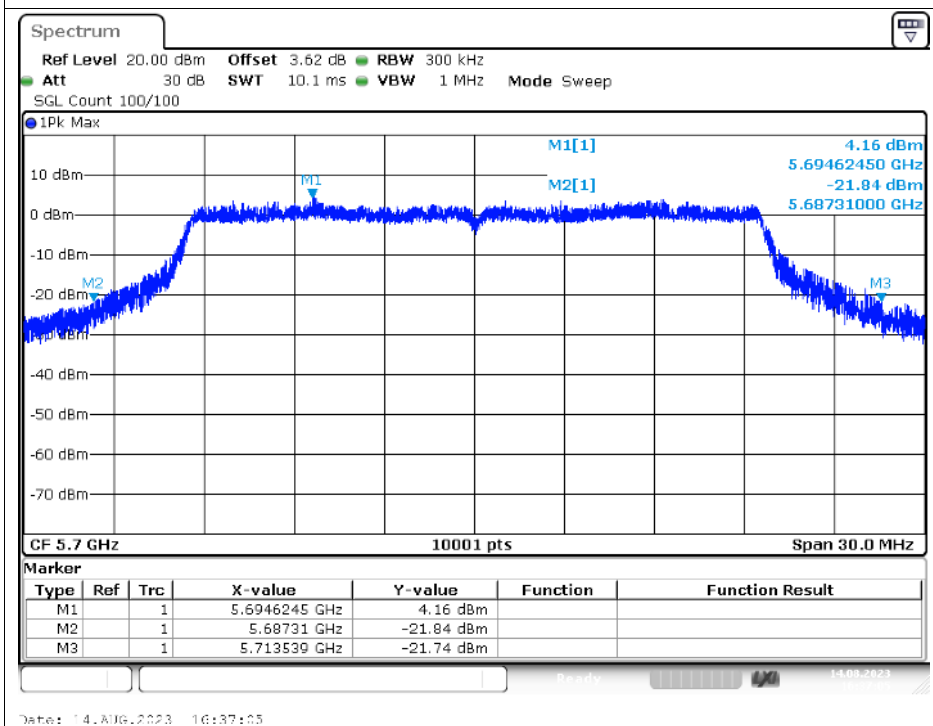
-26dB Bandwidth NVNT ax20 5500MHz Ant1



-26dB Bandwidth NVNT ax20 5600MHz Ant1



-26dB Bandwidth NVNT ax20 5700MHz Ant1



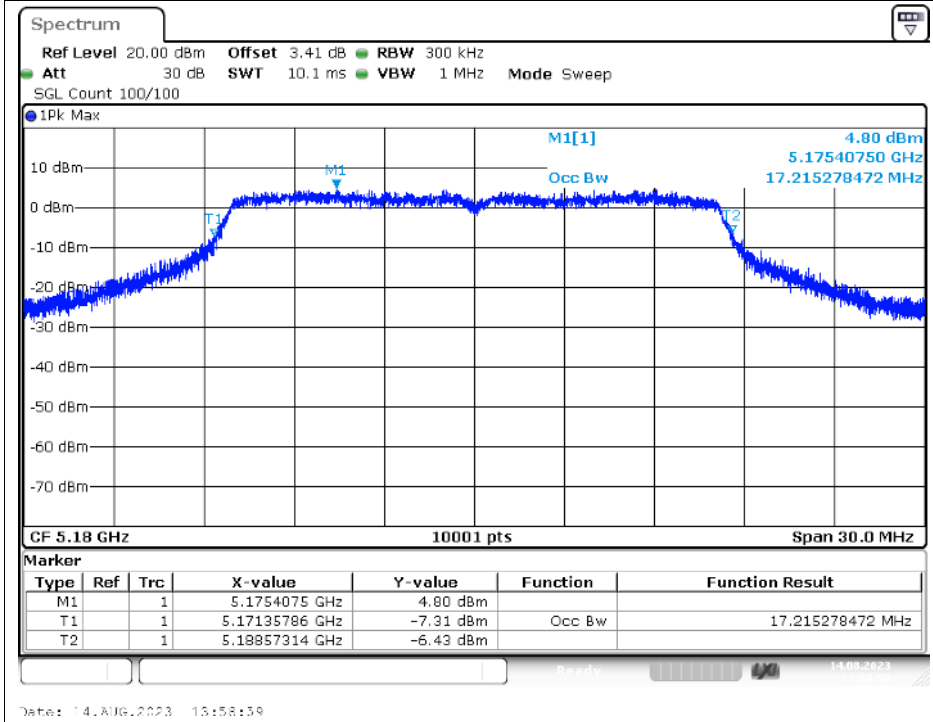
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	17.215
NVNT	a	5200	Ant1	17.248
NVNT	a	5240	Ant1	17.203
NVNT	a	5260	Ant1	17.173
NVNT	a	5280	Ant1	17.206
NVNT	a	5320	Ant1	17.176
NVNT	a	5500	Ant1	17.236
NVNT	a	5600	Ant1	17.32
NVNT	a	5700	Ant1	17.272
NVNT	a	5745	Ant1	17.158
NVNT	a	5785	Ant1	17.167
NVNT	a	5825	Ant1	17.215
NVNT	n20	5180	Ant1	18.331
NVNT	n20	5200	Ant1	17.23
NVNT	n20	5240	Ant1	17.164
NVNT	n20	5260	Ant1	17.218
NVNT	n20	5280	Ant1	17.2
NVNT	n20	5320	Ant1	17.188
NVNT	n20	5500	Ant1	17.245
NVNT	n20	5600	Ant1	17.245
NVNT	n20	5700	Ant1	17.263
NVNT	n20	5745	Ant1	17.155
NVNT	n20	5785	Ant1	17.173
NVNT	n20	5825	Ant1	17.209
NVNT	ac20	5180	Ant1	18.4
NVNT	ac20	5200	Ant1	18.376
NVNT	ac20	5240	Ant1	18.346
NVNT	ac20	5260	Ant1	18.37
NVNT	ac20	5280	Ant1	18.367
NVNT	ac20	5320	Ant1	18.343
NVNT	ac20	5500	Ant1	18.403
NVNT	ac20	5600	Ant1	18.421
NVNT	ac20	5700	Ant1	18.418
NVNT	ac20	5745	Ant1	18.319
NVNT	ac20	5785	Ant1	18.31
NVNT	ac20	5825	Ant1	18.385
NVNT	ac40	5190	Ant1	37.442
NVNT	ax20	5180	Ant1	19.327
NVNT	ax20	5200	Ant1	19.36

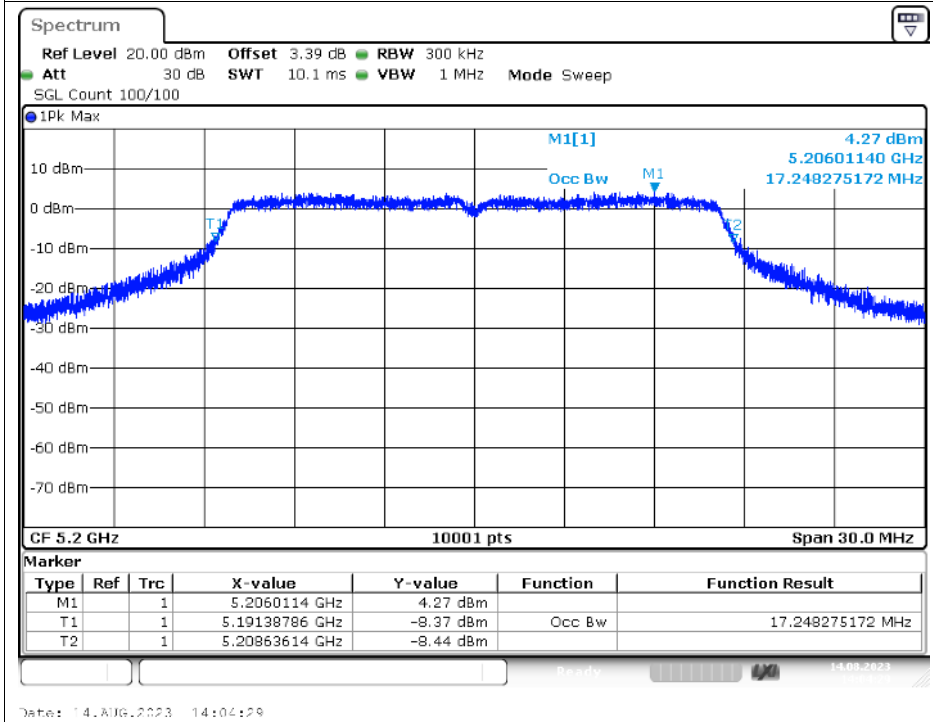
NVNT	ax20	5240	Ant1	19.348
NVNT	ax20	5260	Ant1	19.348
NVNT	ax20	5280	Ant1	19.342
NVNT	ax20	5320	Ant1	19.351
NVNT	ax20	5500	Ant1	19.387
NVNT	ax20	5600	Ant1	19.393
NVNT	ax20	5700	Ant1	19.399
NVNT	ax20	5745	Ant1	19.363
NVNT	ax20	5785	Ant1	19.336
NVNT	ax20	5825	Ant1	19.369

Test Graphs

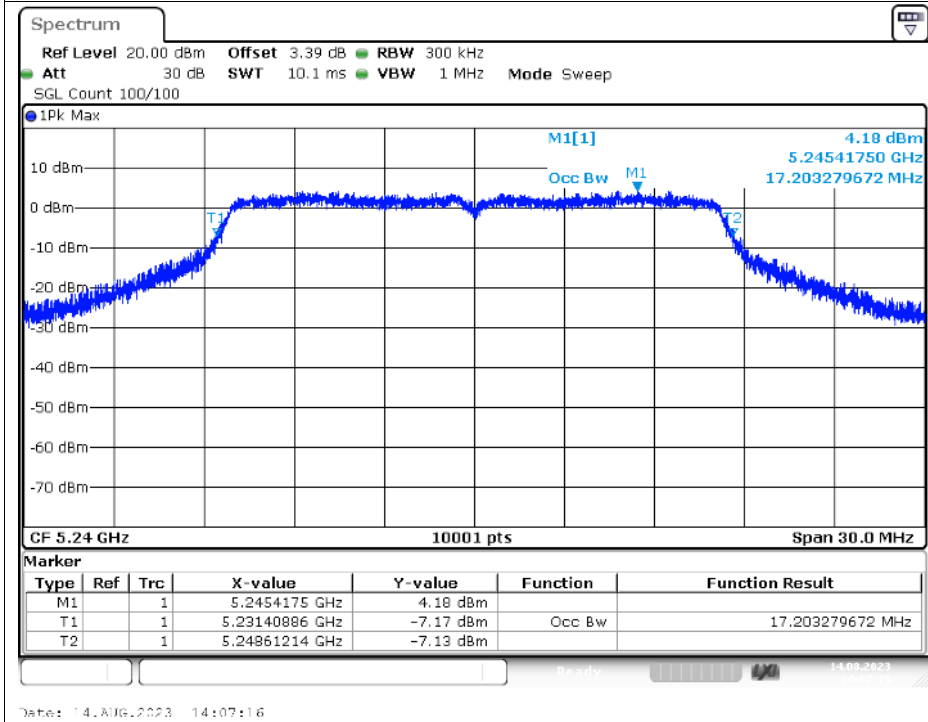
OBW NVNT a 5180MHz Ant1



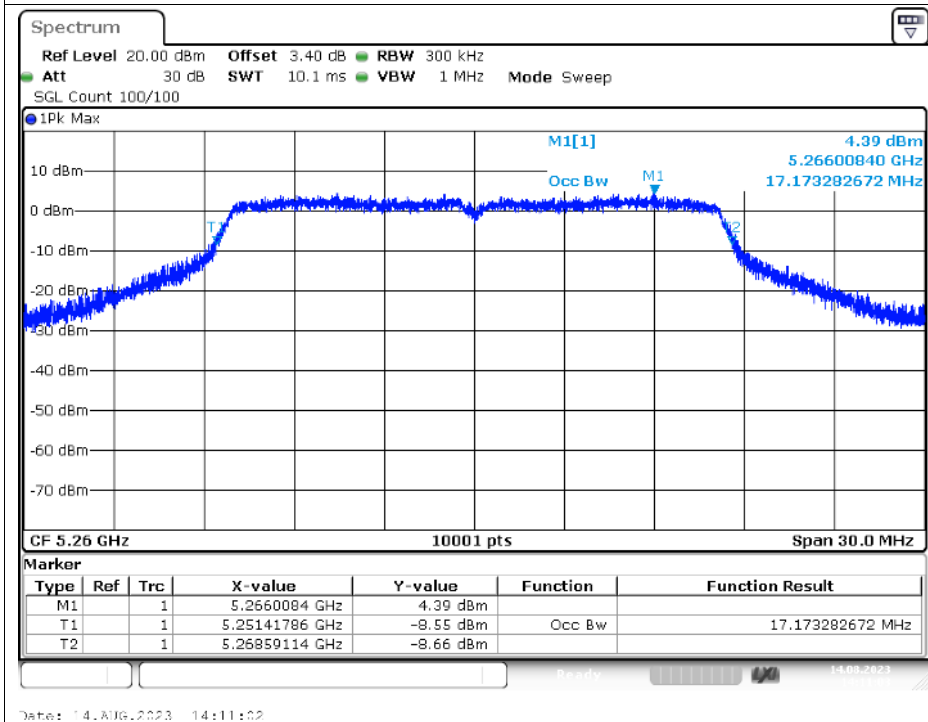
OBW NVNT a 5200MHz Ant1



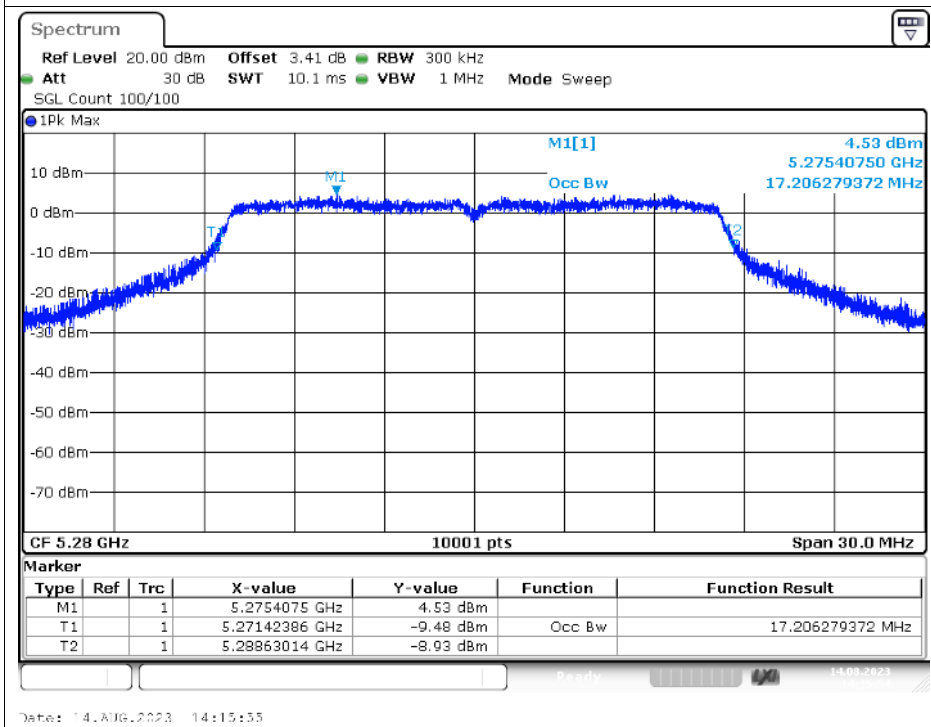
OBW NVNT a 5240MHz Ant1



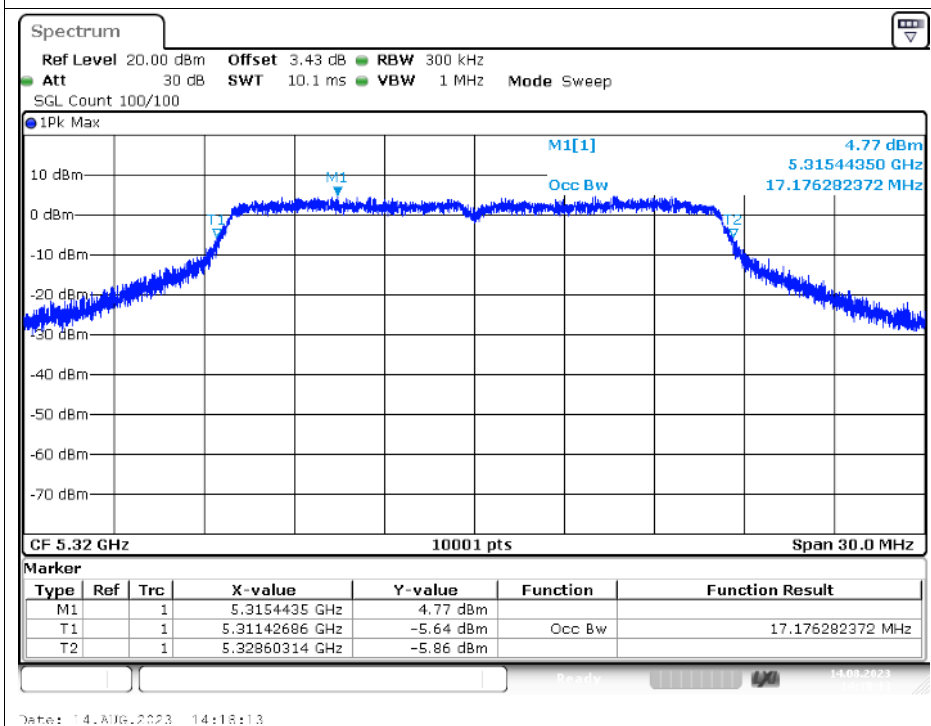
OBW NVNT a 5260MHz Ant1



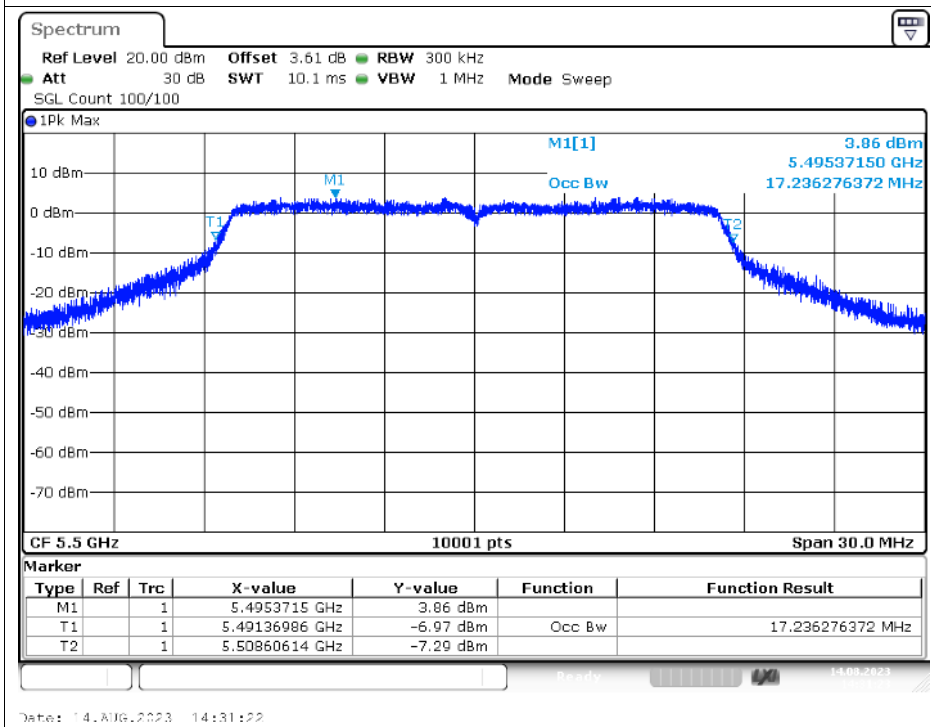
OBW NVNT a 5280MHz Ant1



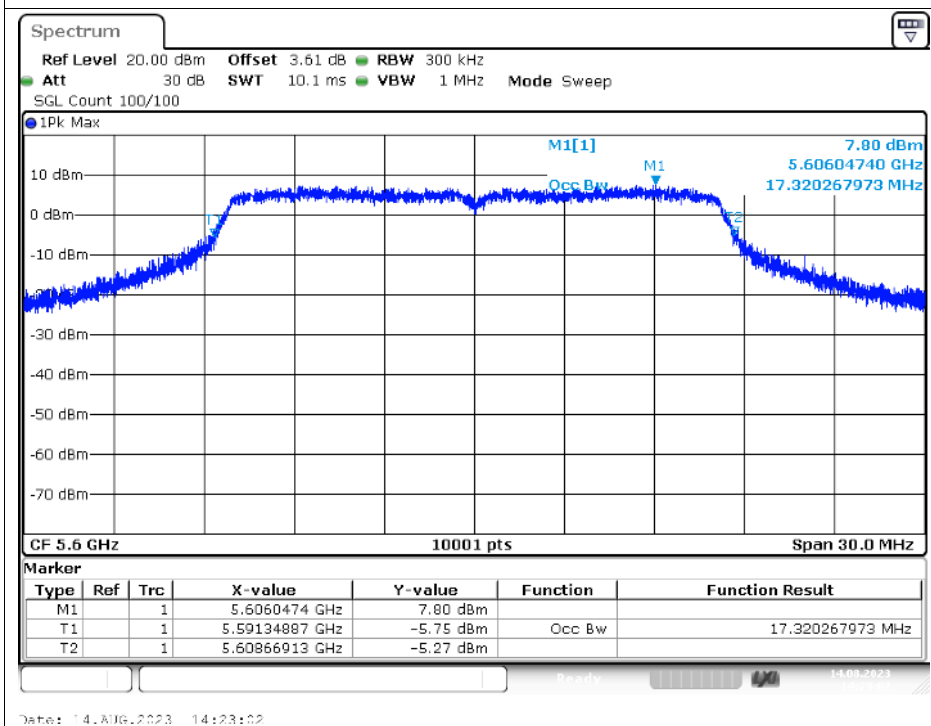
OBW NVNT a 5320MHz Ant1



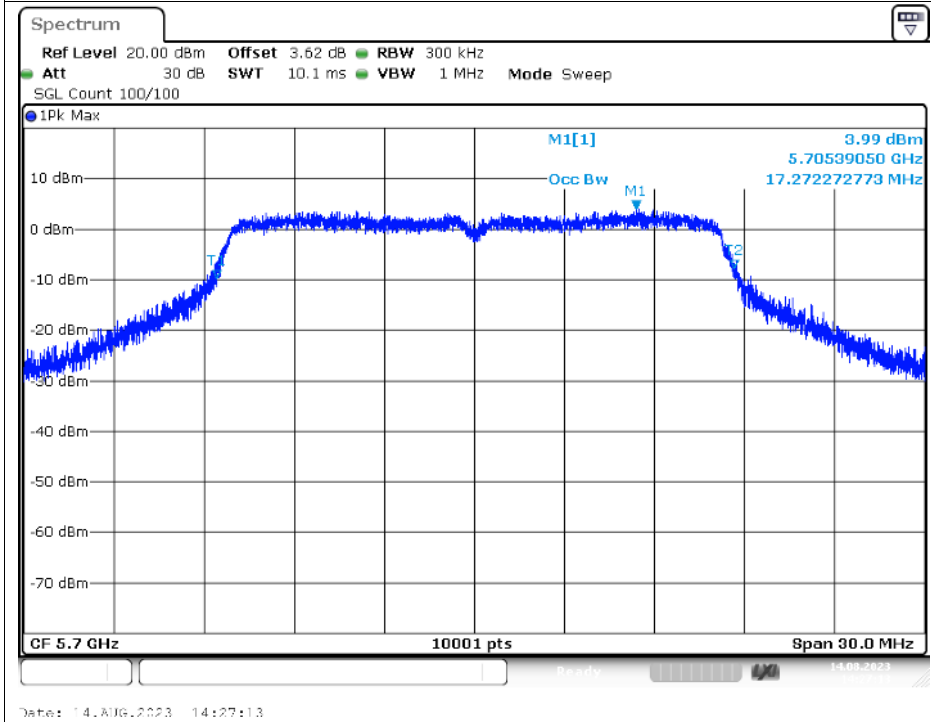
OBW NVNT a 5500MHz Ant1



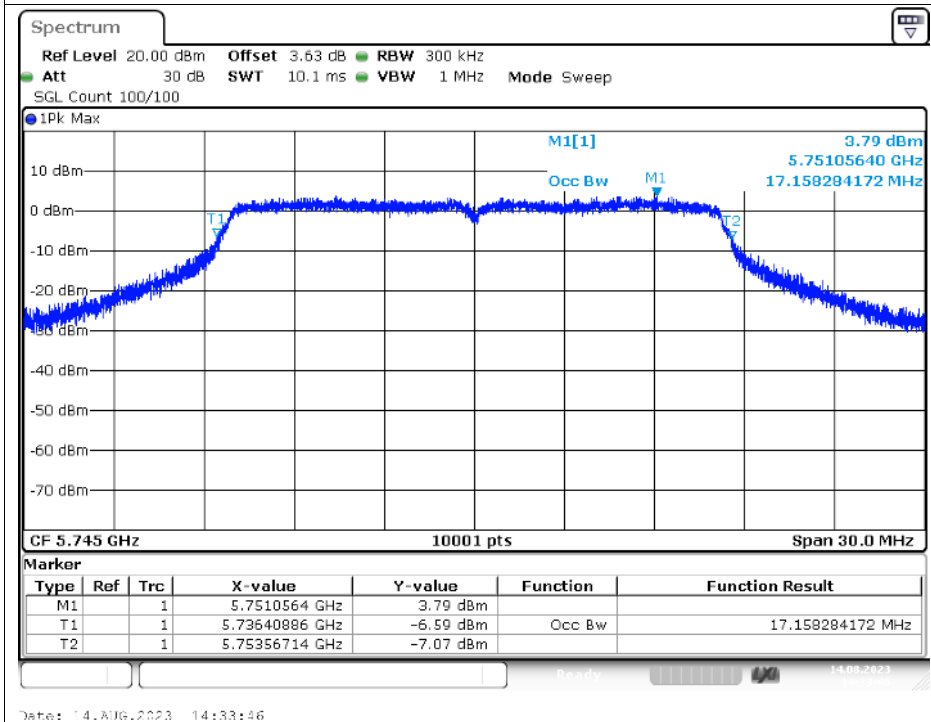
OBW NVNT a 5600MHz Ant1



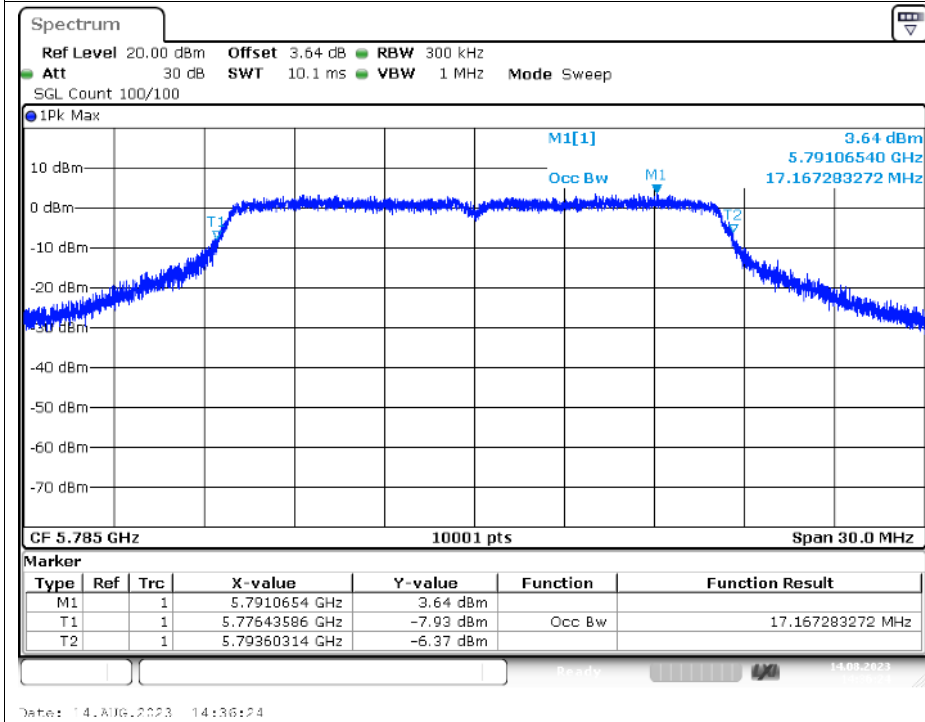
OBW NVNT a 5700MHz Ant1



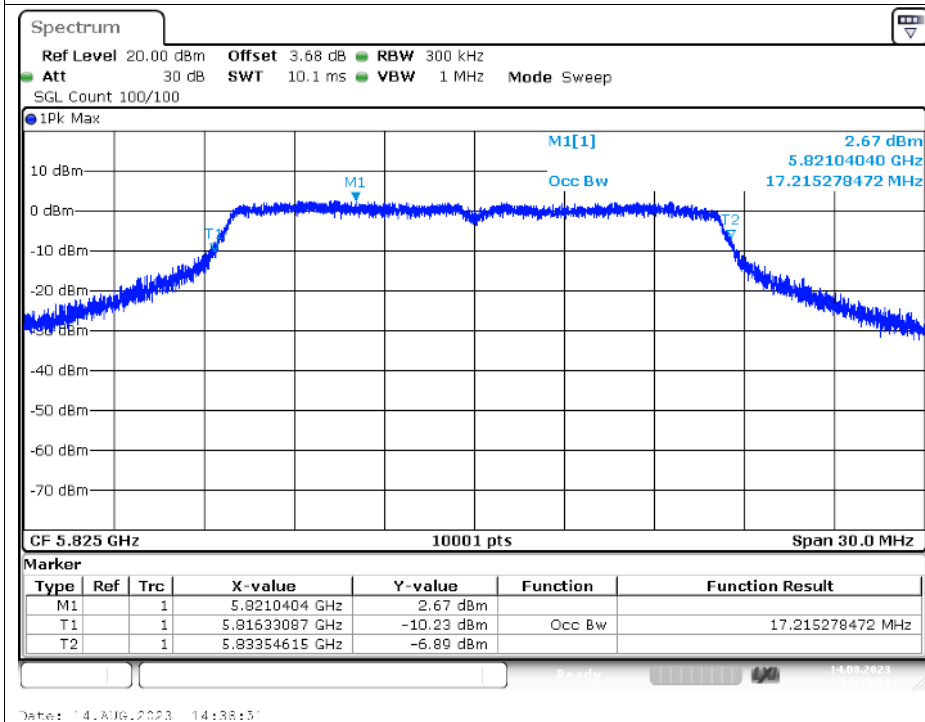
OBW NVNT a 5745MHz Ant1



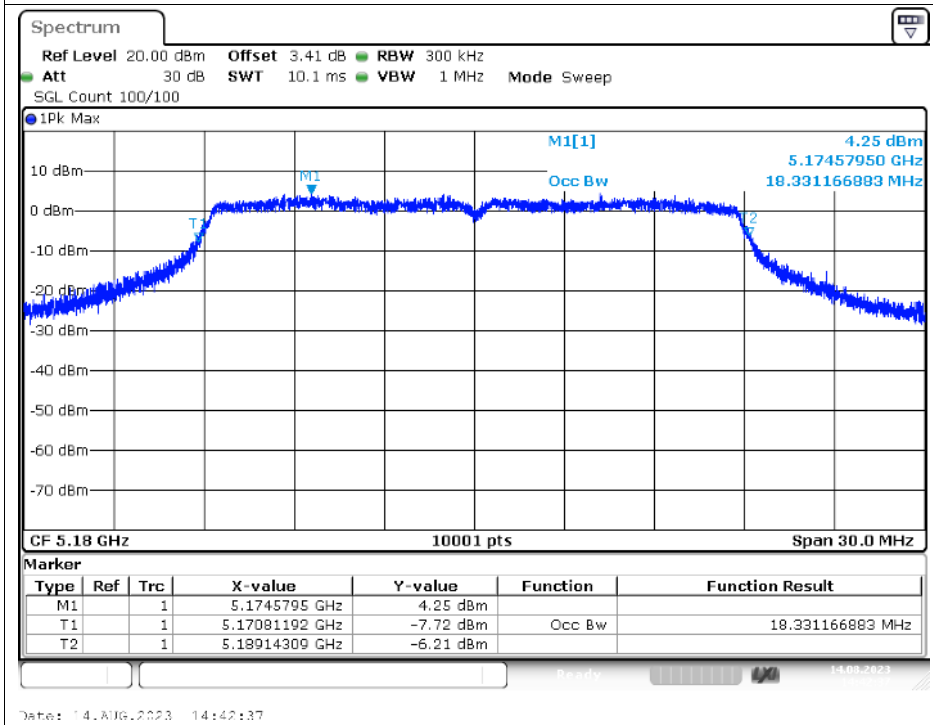
OBW NVNT a 5785MHz Ant1



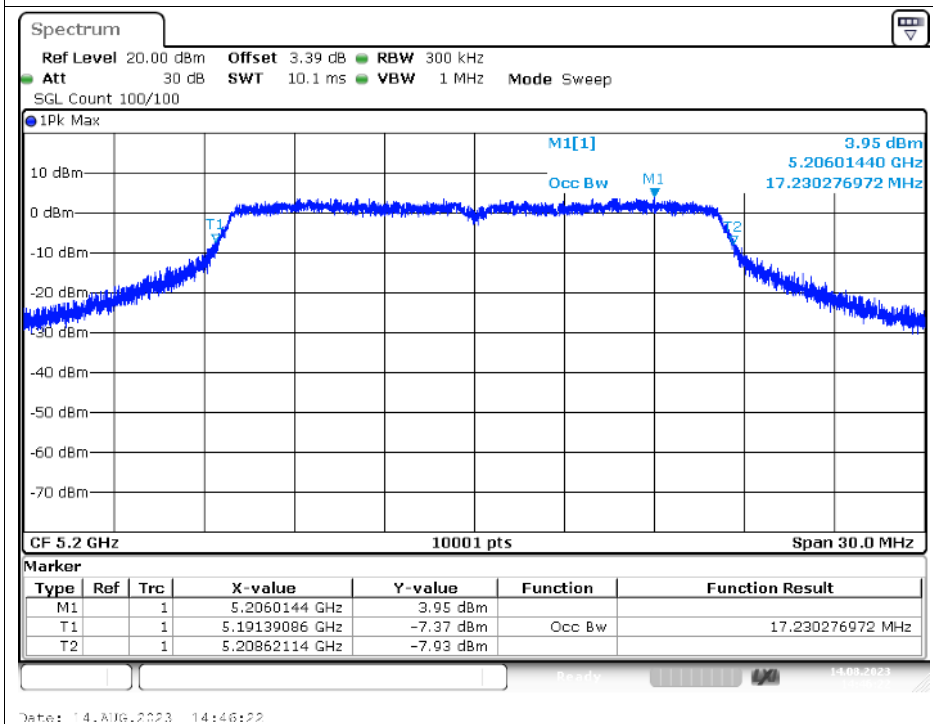
OBW NVNT a 5825MHz Ant1



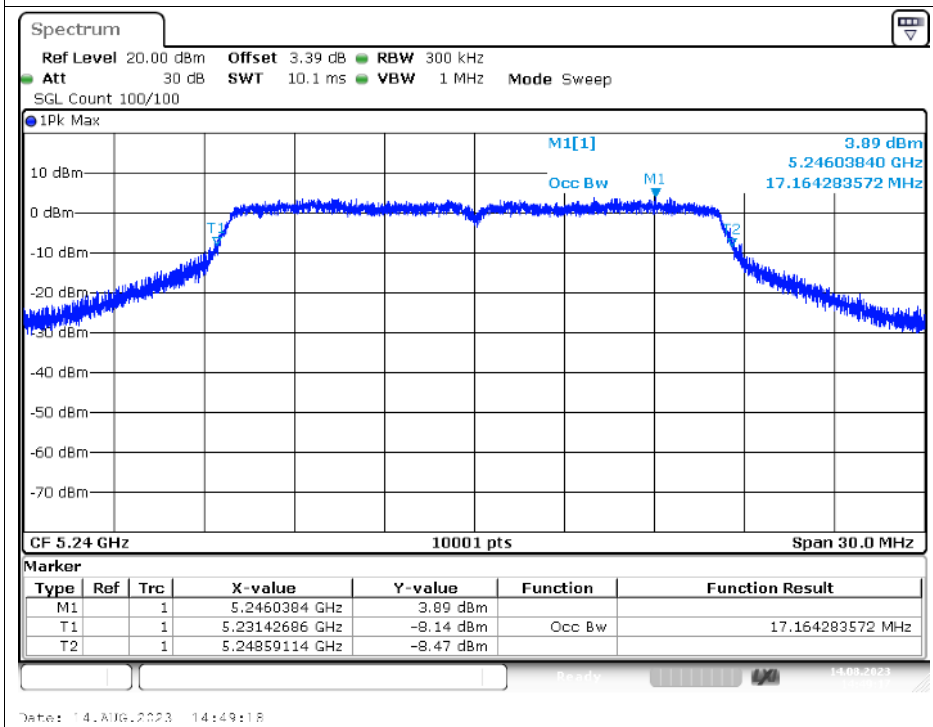
OBW NVNT n20 5180MHz Ant1



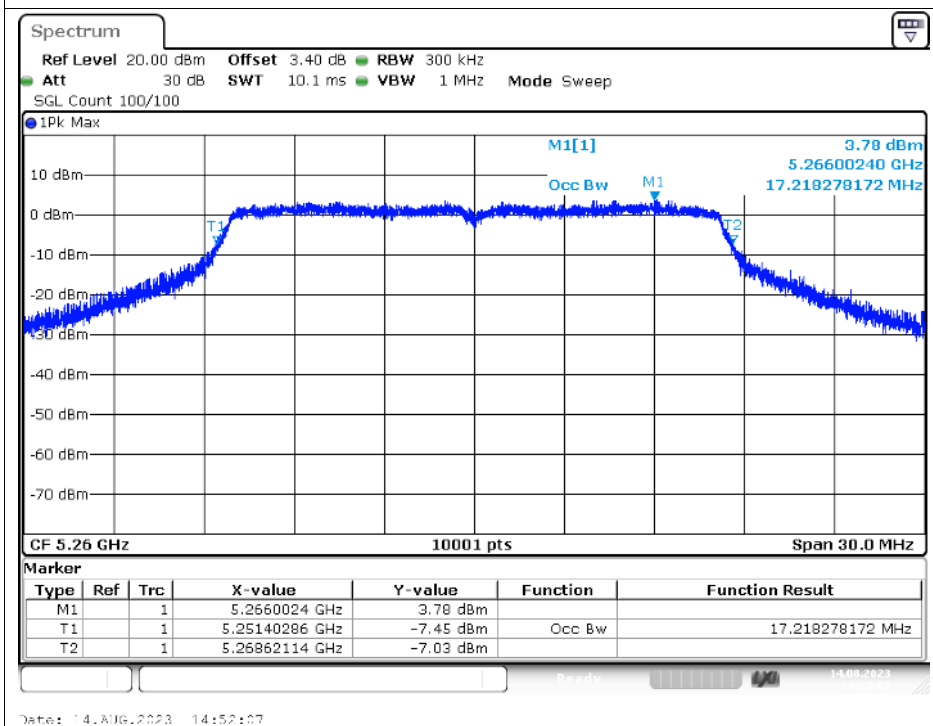
OBW NVNT n20 5200MHz Ant1



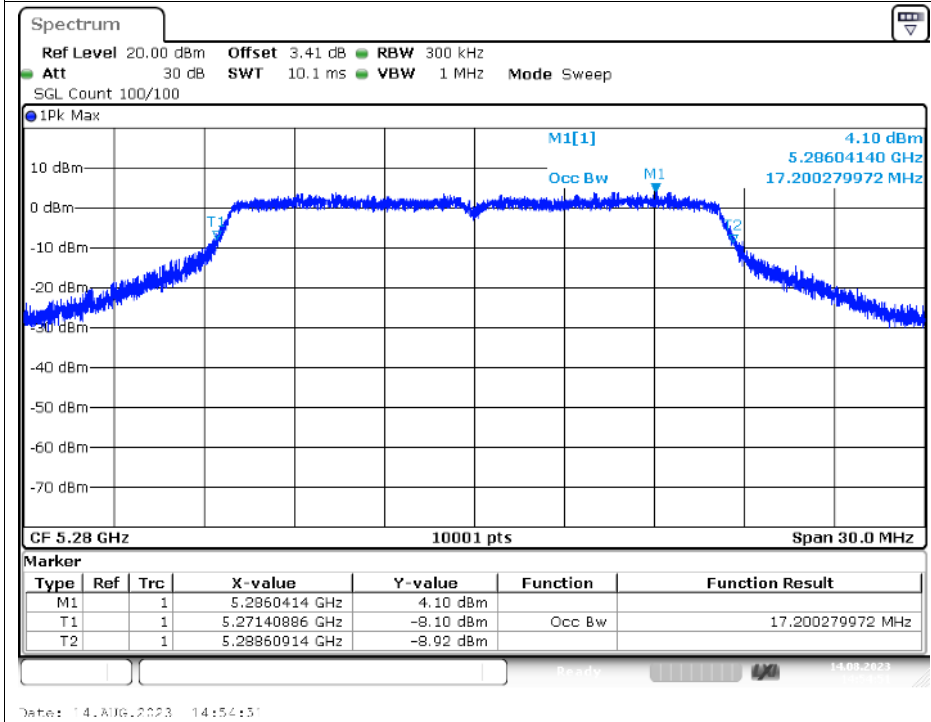
OBW NVNT n20 5240MHz Ant1



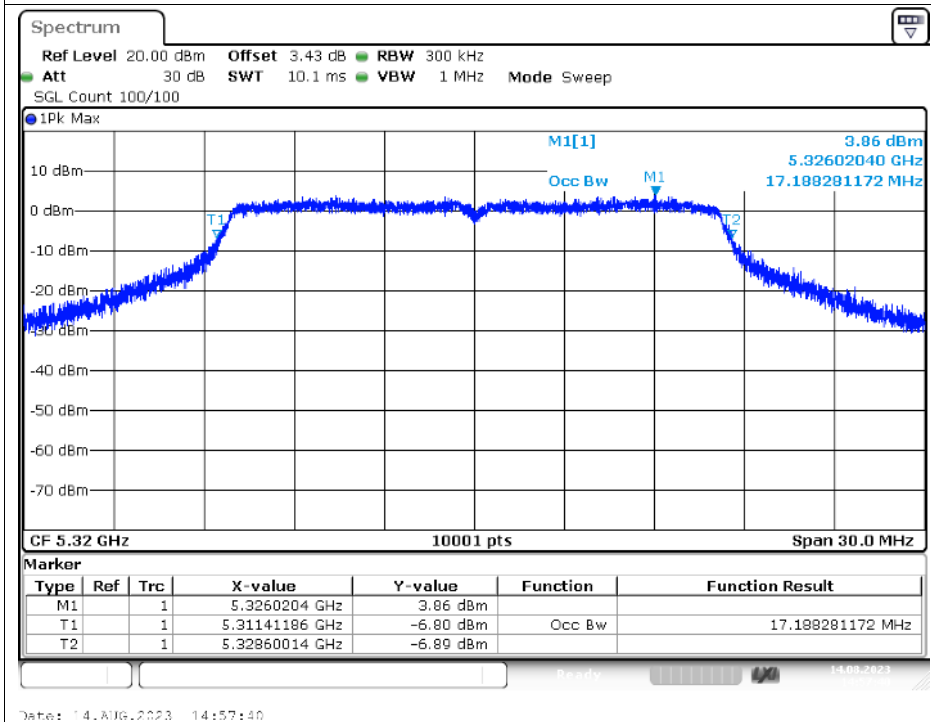
OBW NVNT n20 5260MHz Ant1



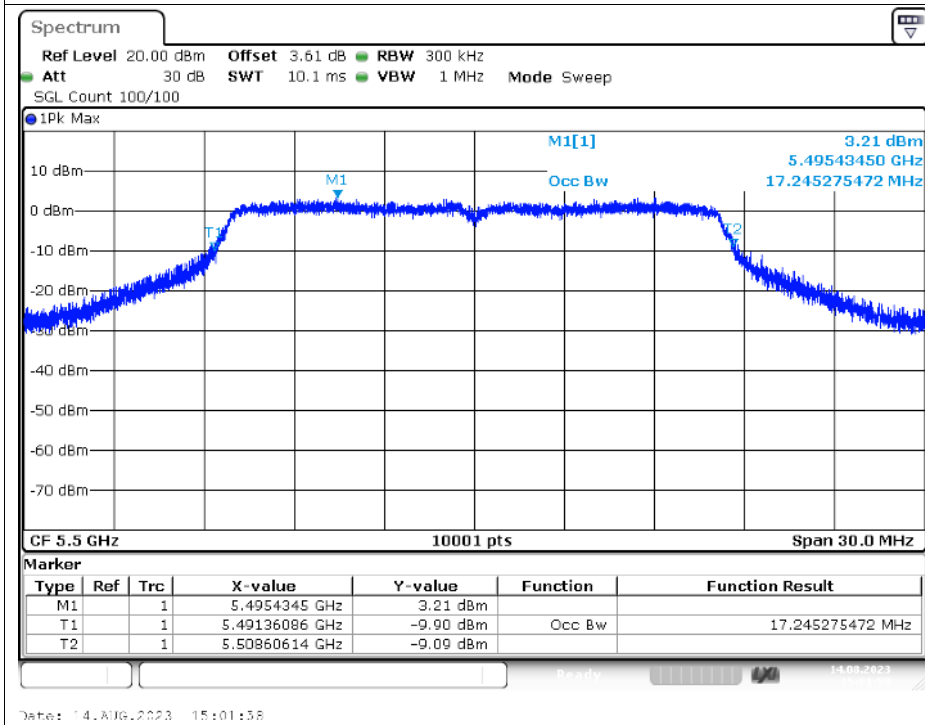
OBW NVNT n20 5280MHz Ant1



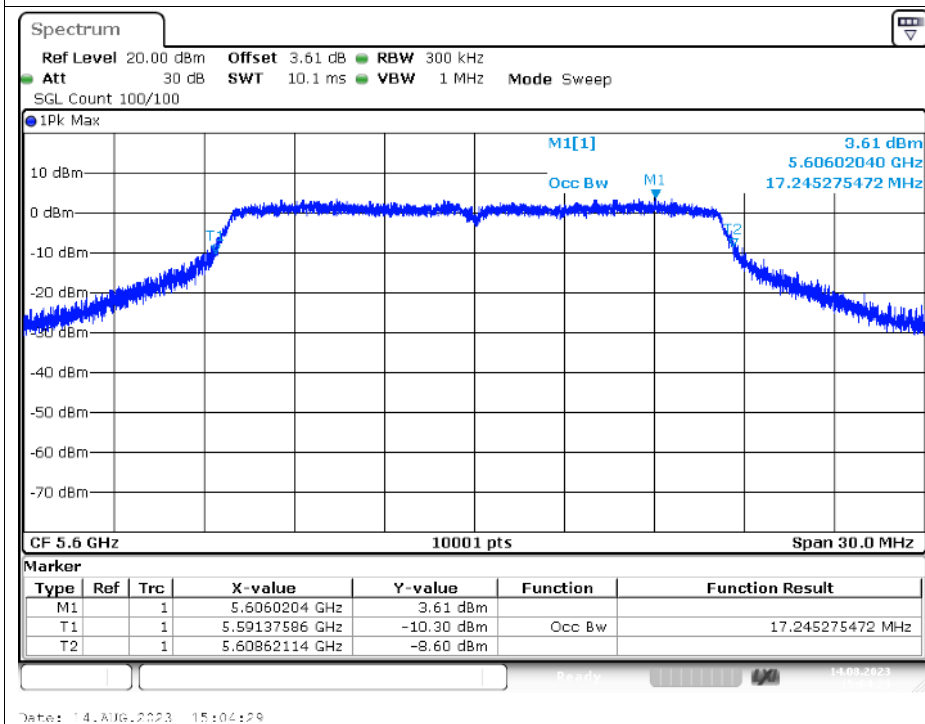
OBW NVNT n20 5320MHz Ant1



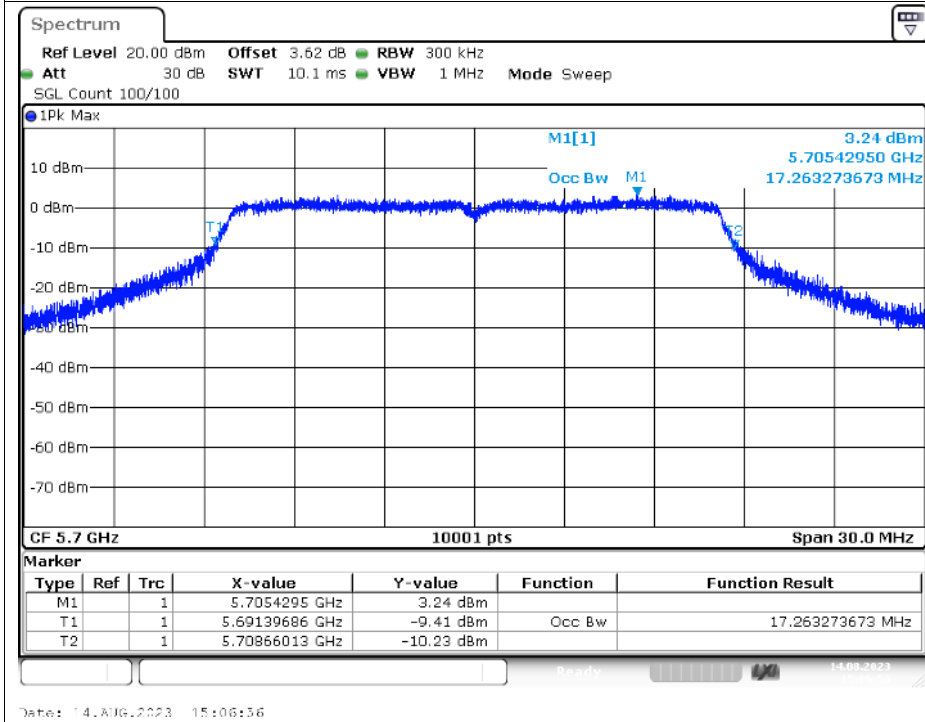
OBW NVNT n20 5500MHz Ant1



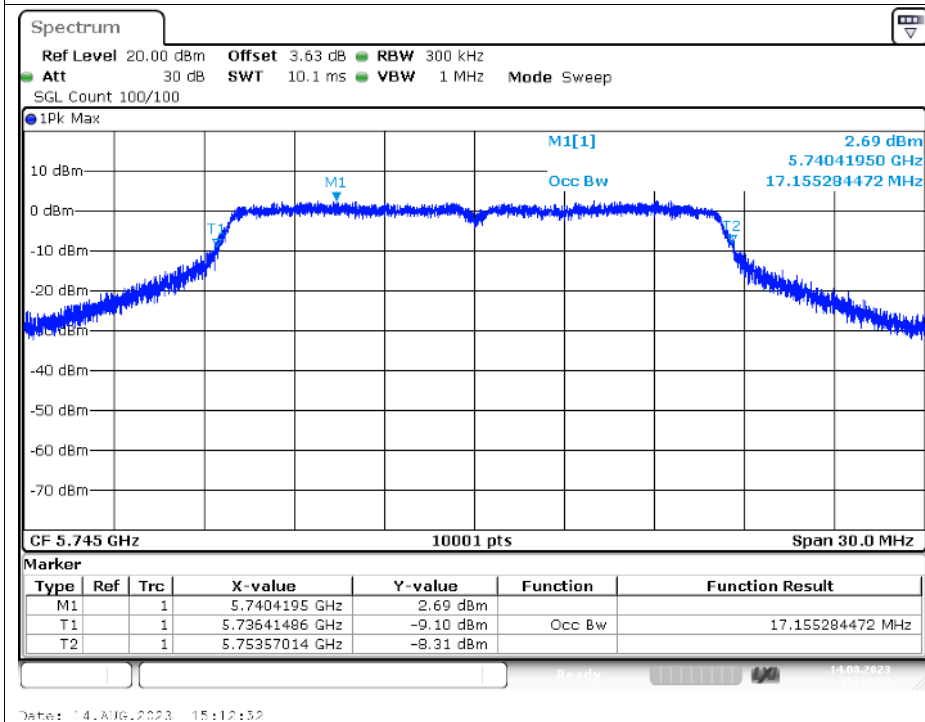
OBW NVNT n20 5600MHz Ant1



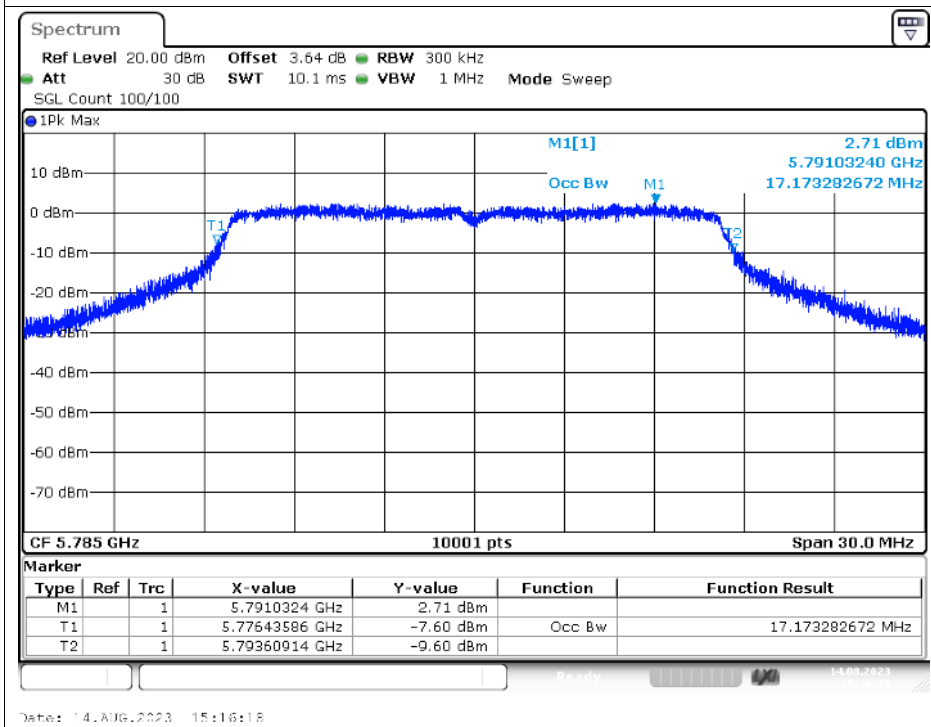
OBW NVNT n20 5700MHz Ant1



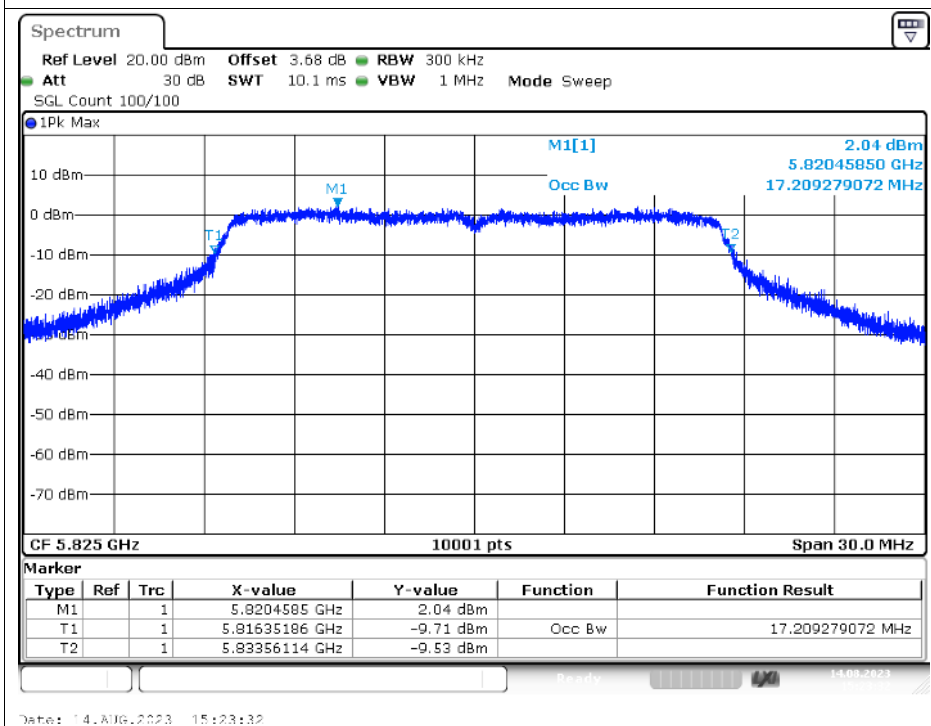
OBW NVNT n20 5745MHz Ant1

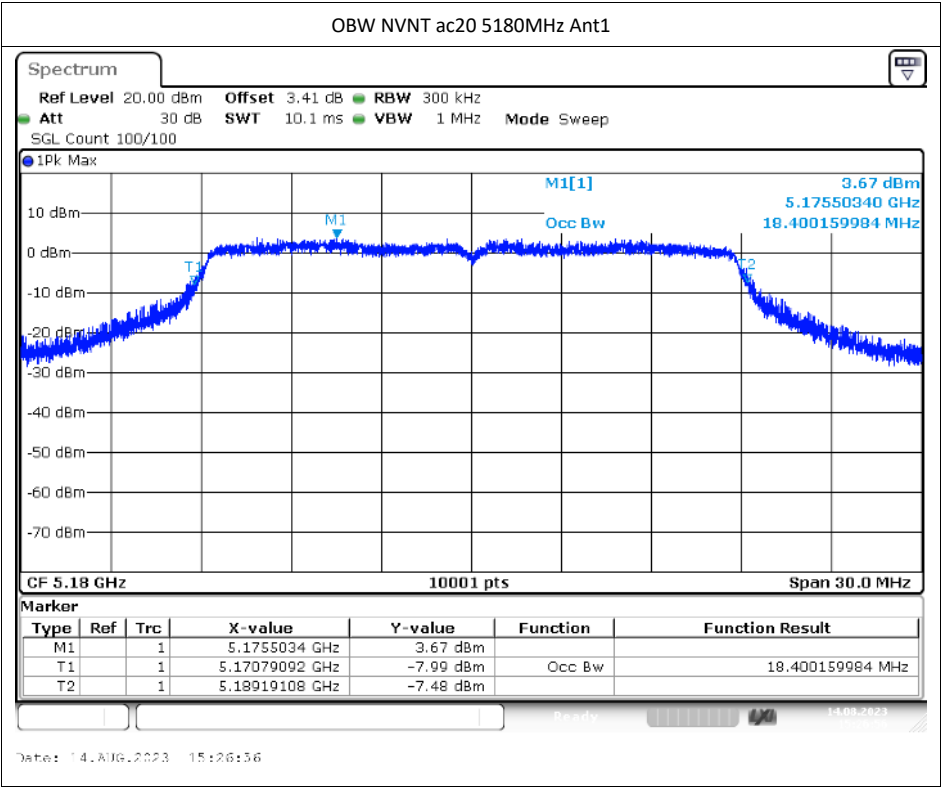


OBW NVNT n20 5785MHz Ant1

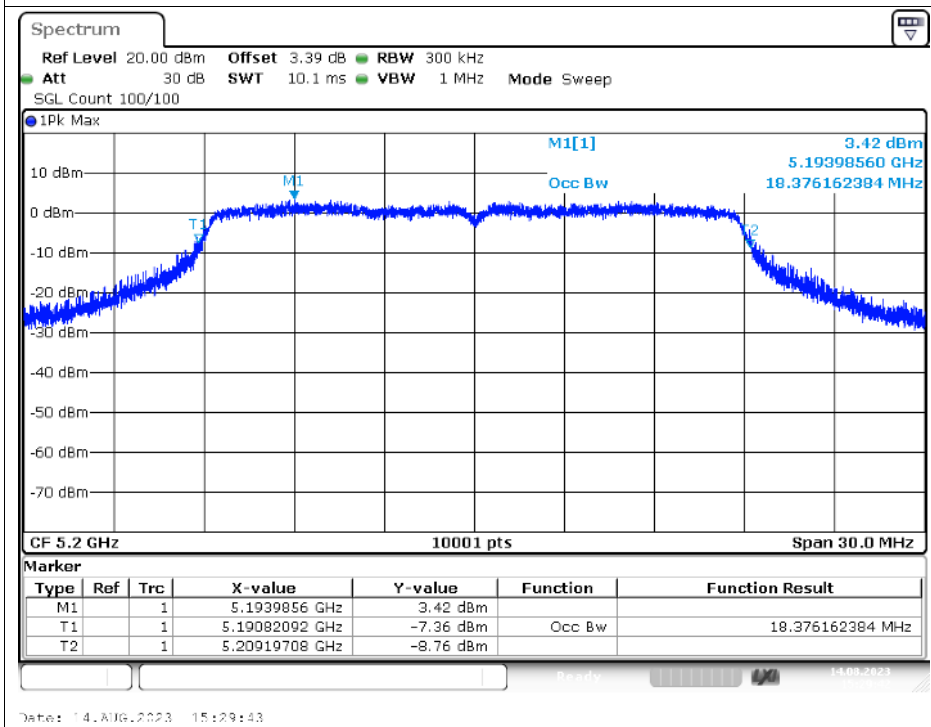


OBW NVNT n20 5825MHz Ant1

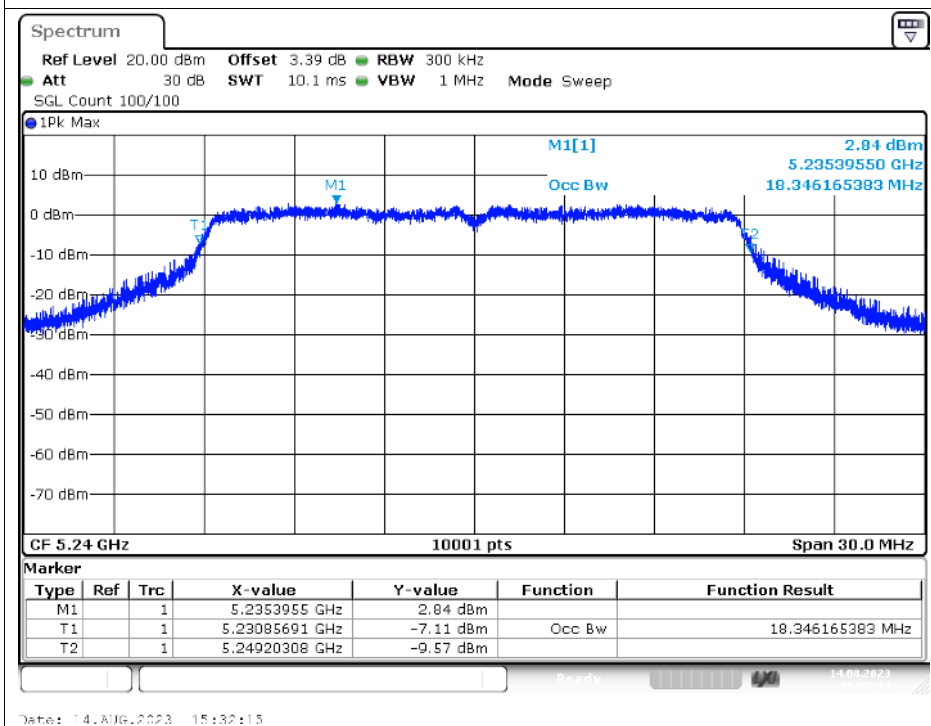




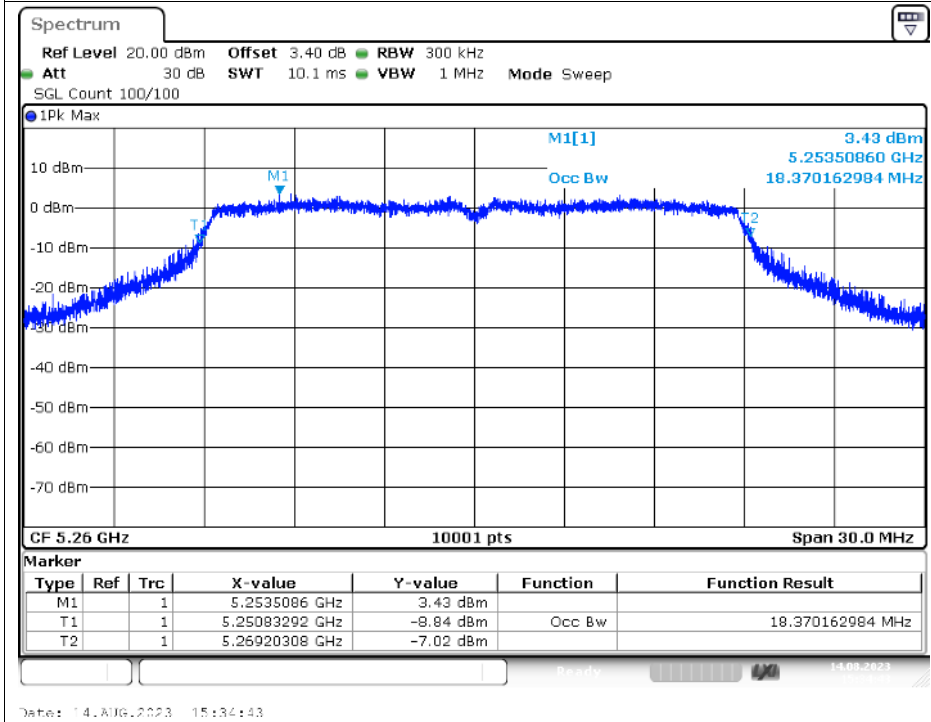
OBW NVNT ac20 5200MHz Ant1



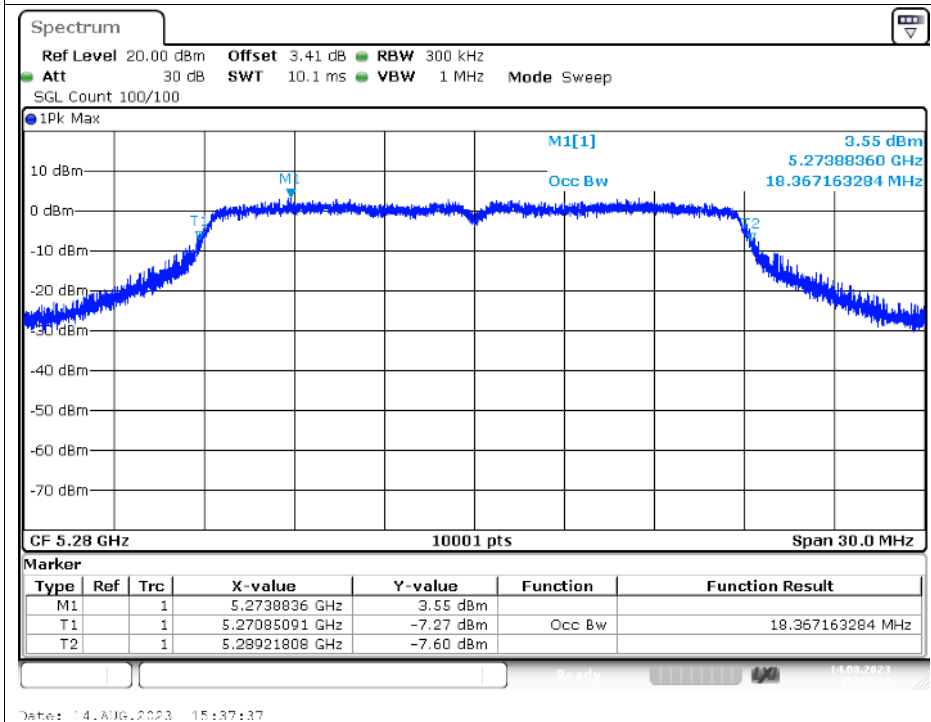
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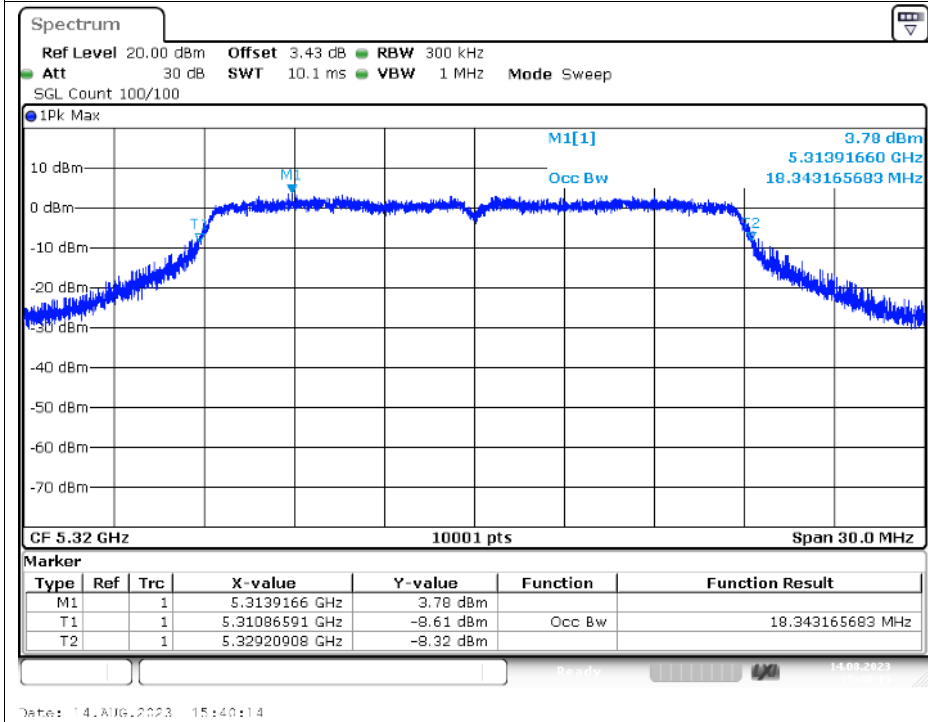
OBW NVNT ac20 5260MHz Ant1



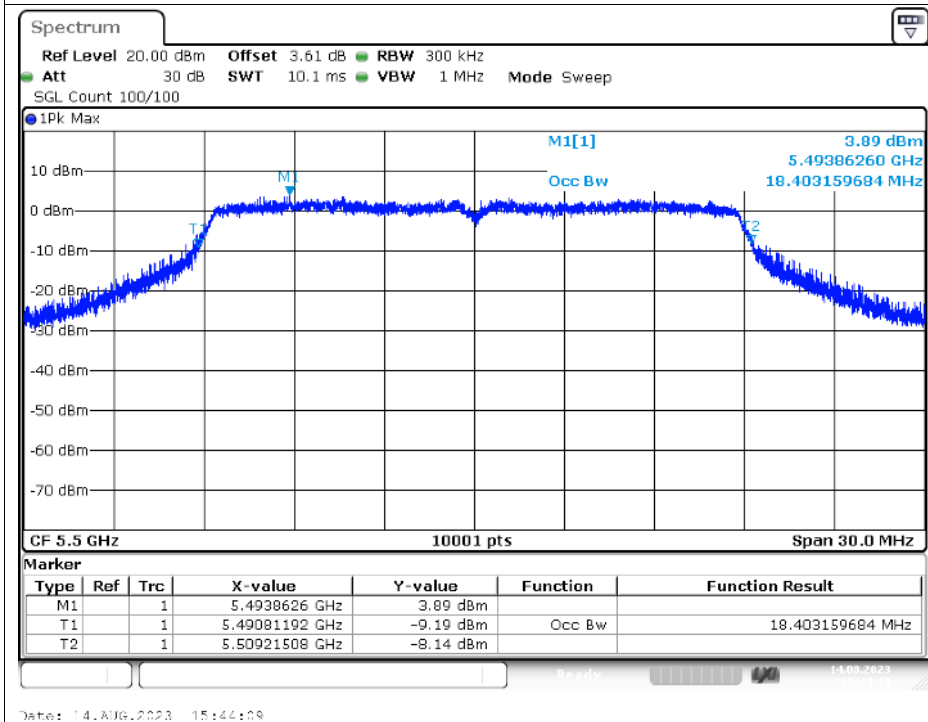
OBW NVNT ac20 5280MHz Ant1



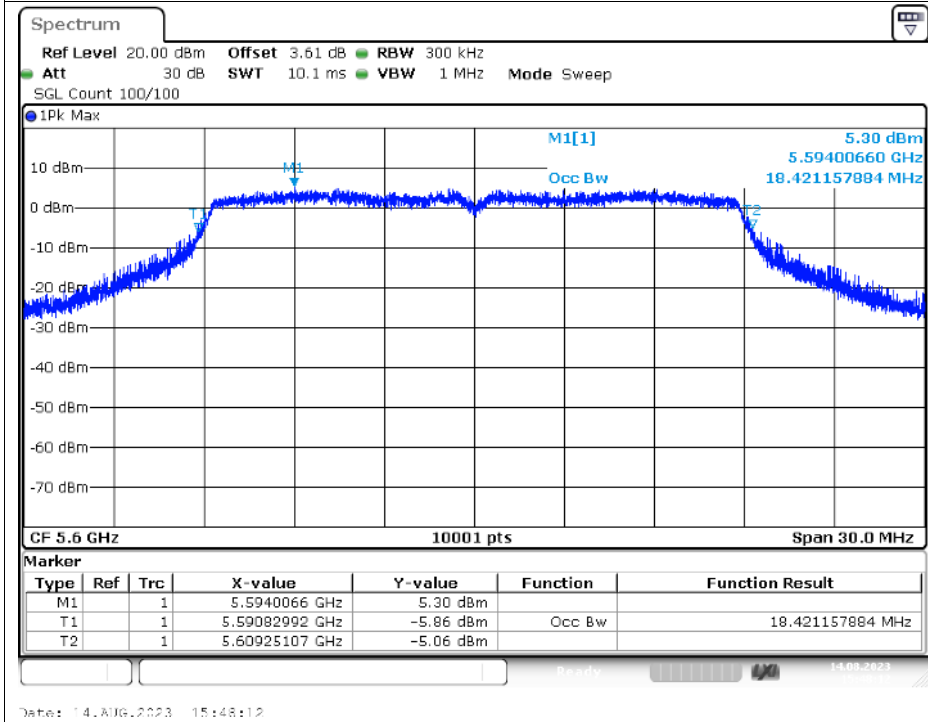
OBW NVNT ac20 5320MHz Ant1



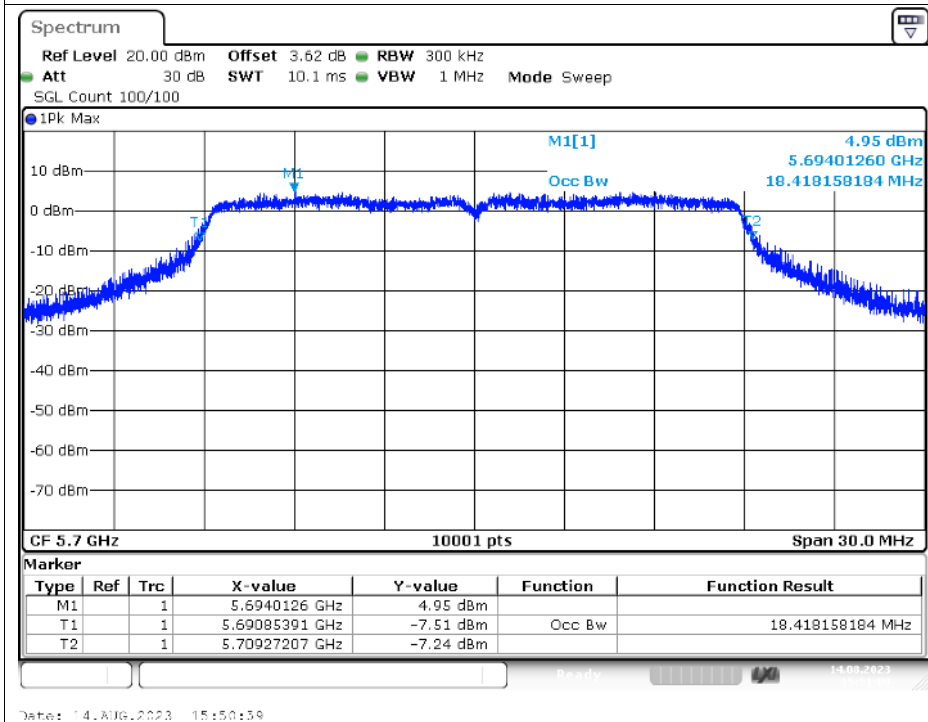
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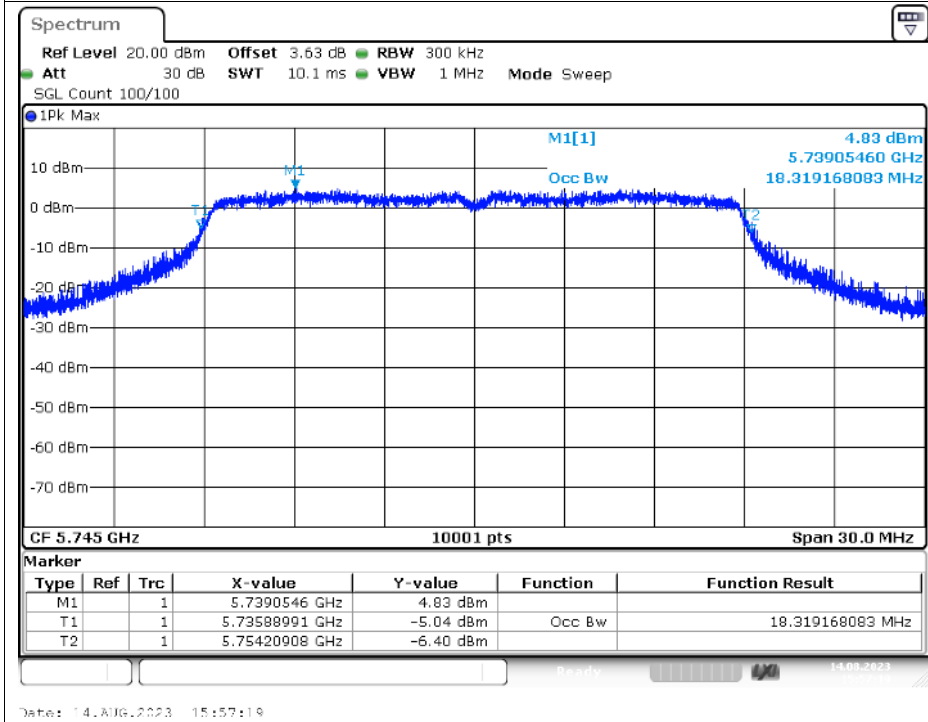
OBW NVNT ac20 5600MHz Ant1



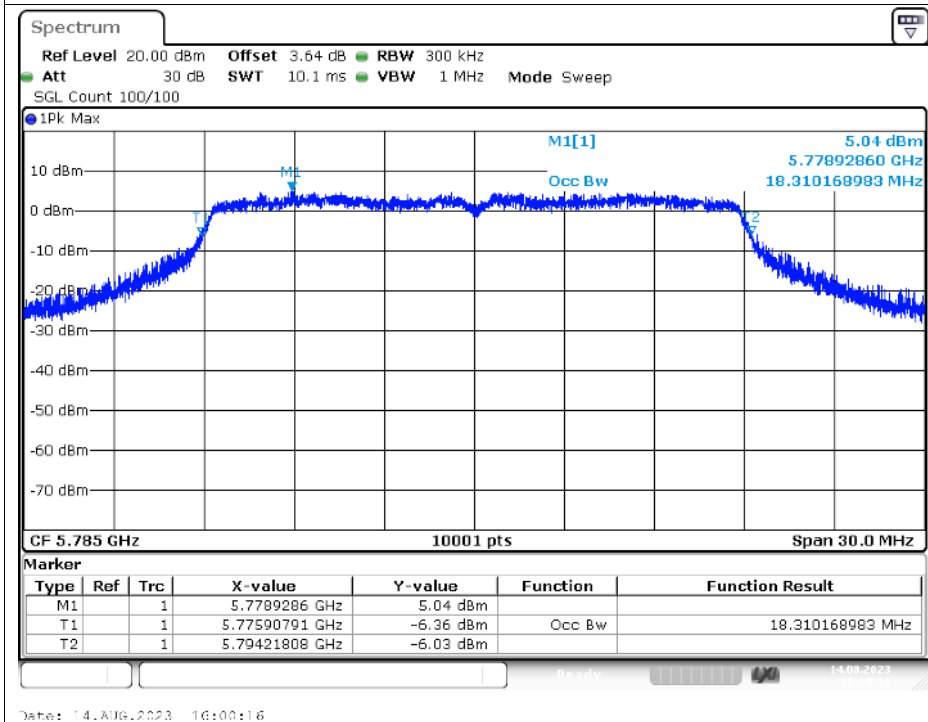
OBW NVNT ac20 5700MHz Ant1

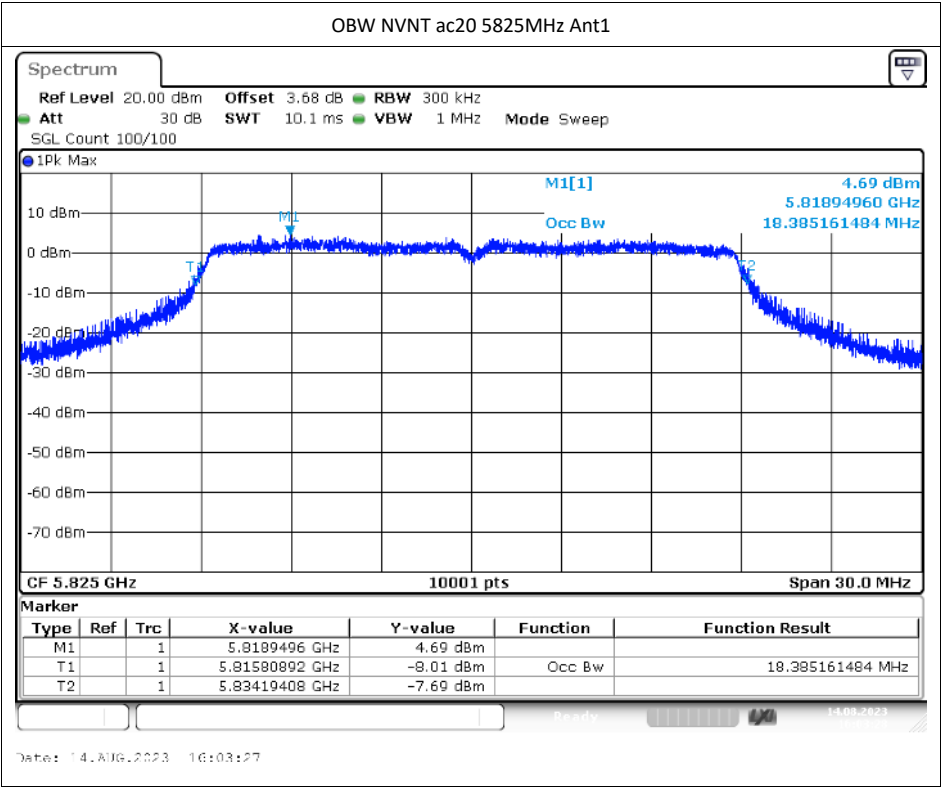


OBW NVNT ac20 5745MHz Ant1

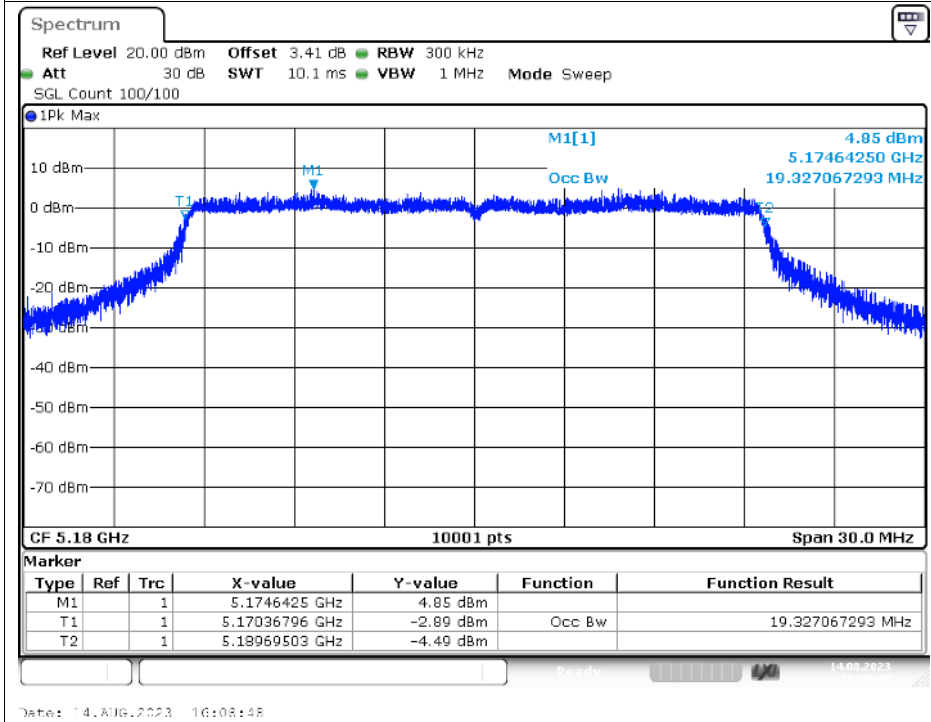


OBW NVNT ac20 5785MHz Ant1

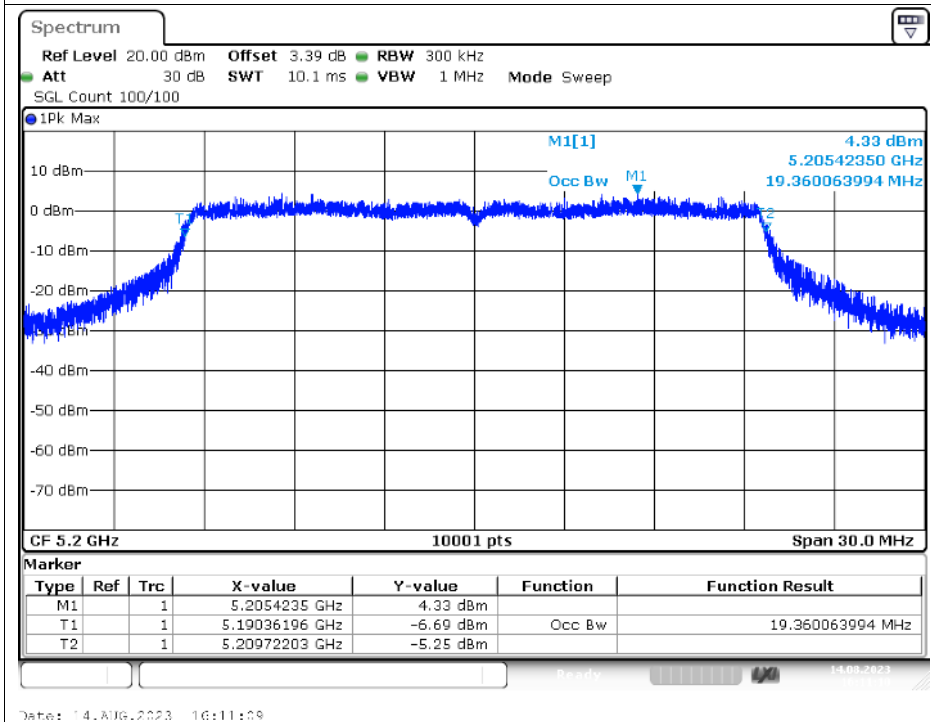




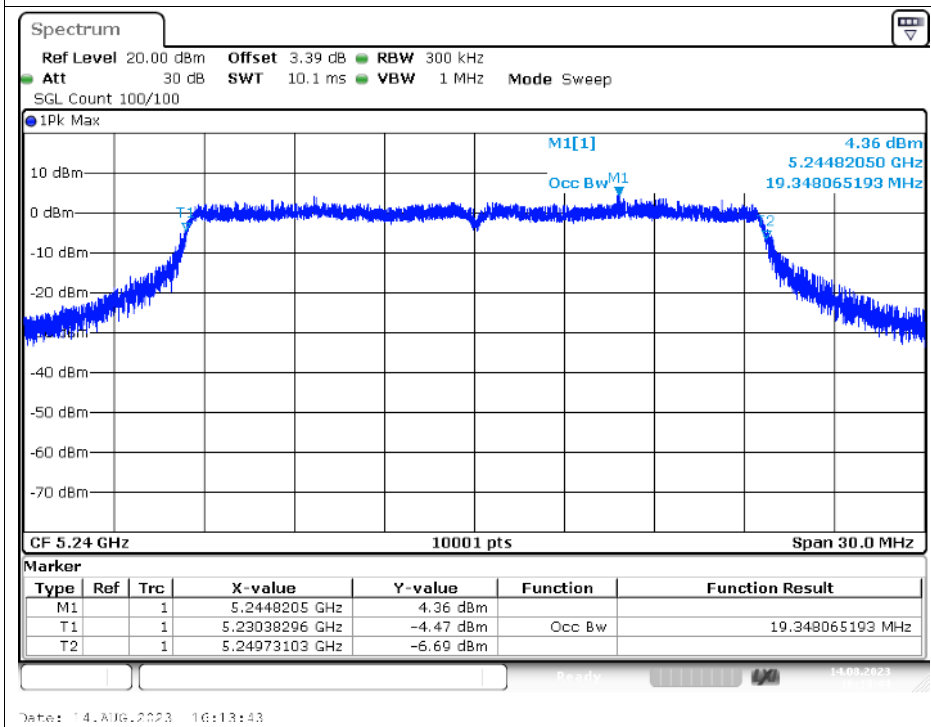
OBW NVNT ax20 5180MHz Ant1



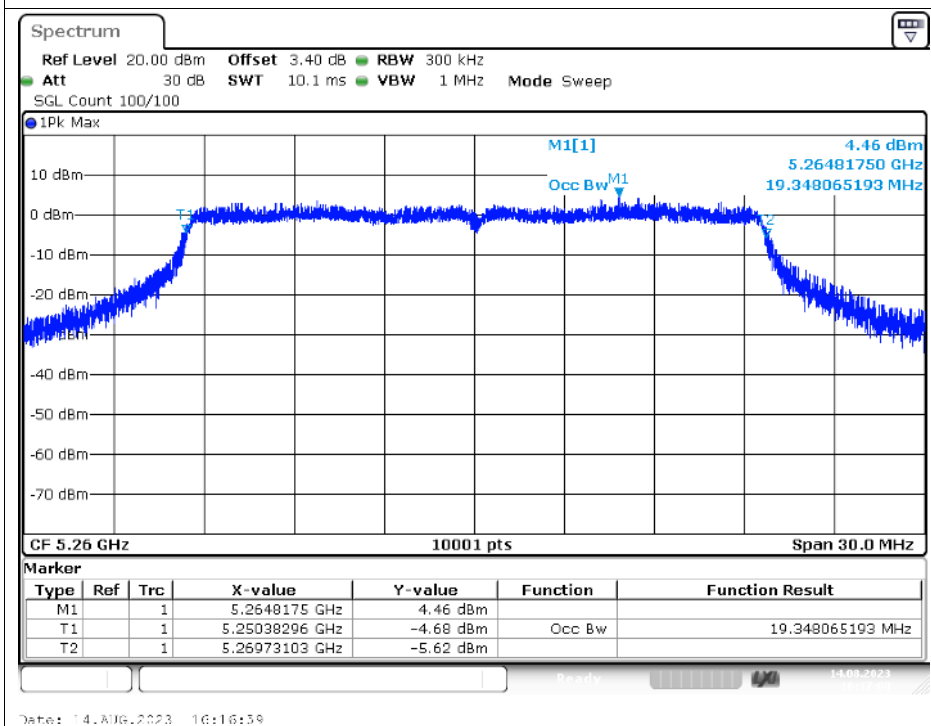
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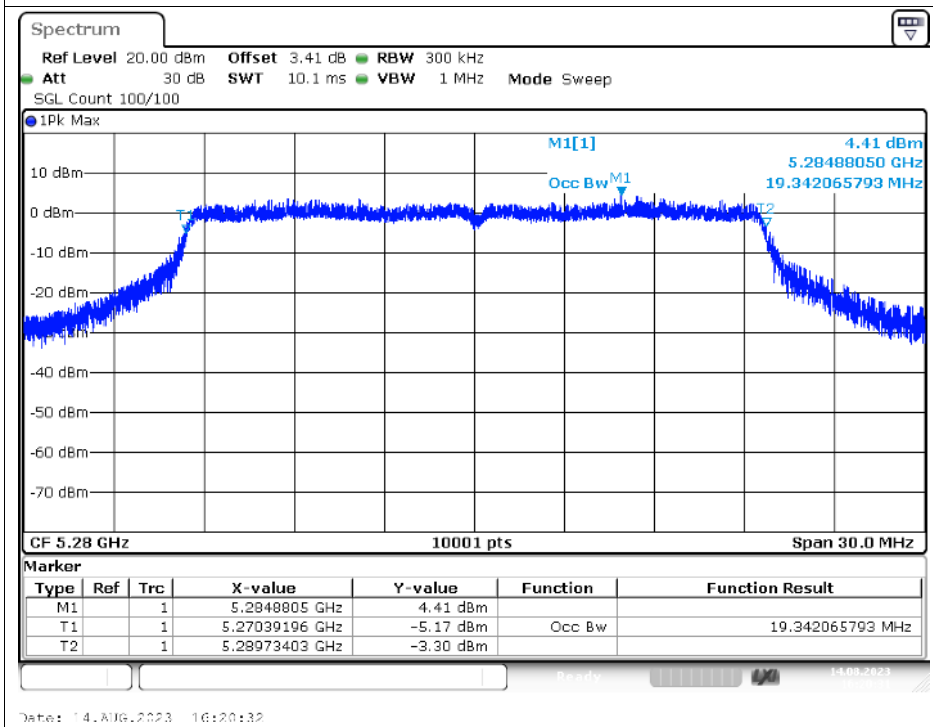
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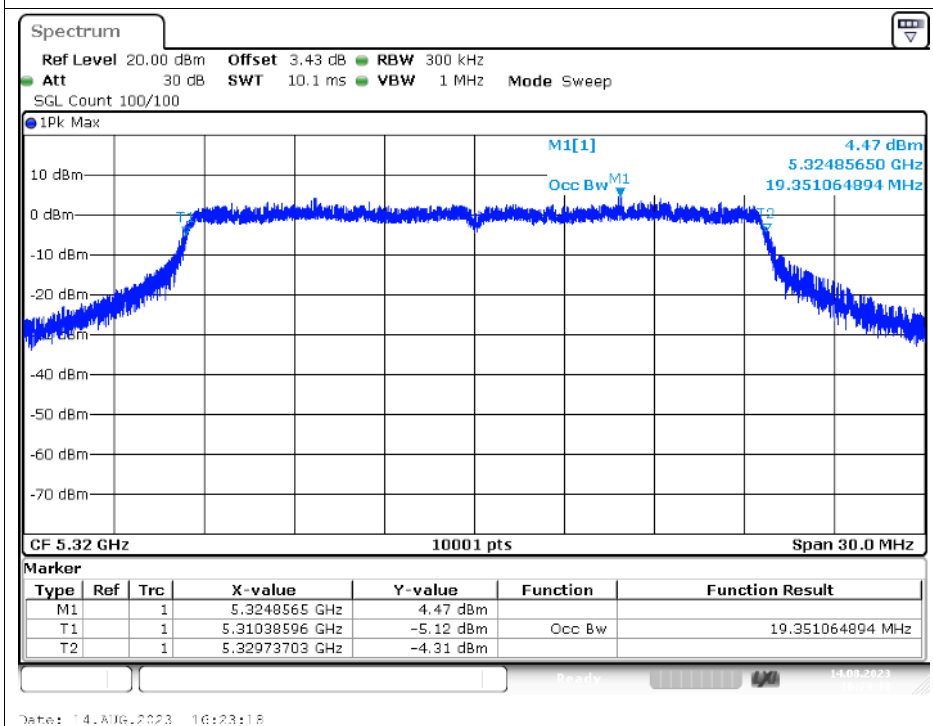
OBW NVNT ax20 5260MHz Ant1



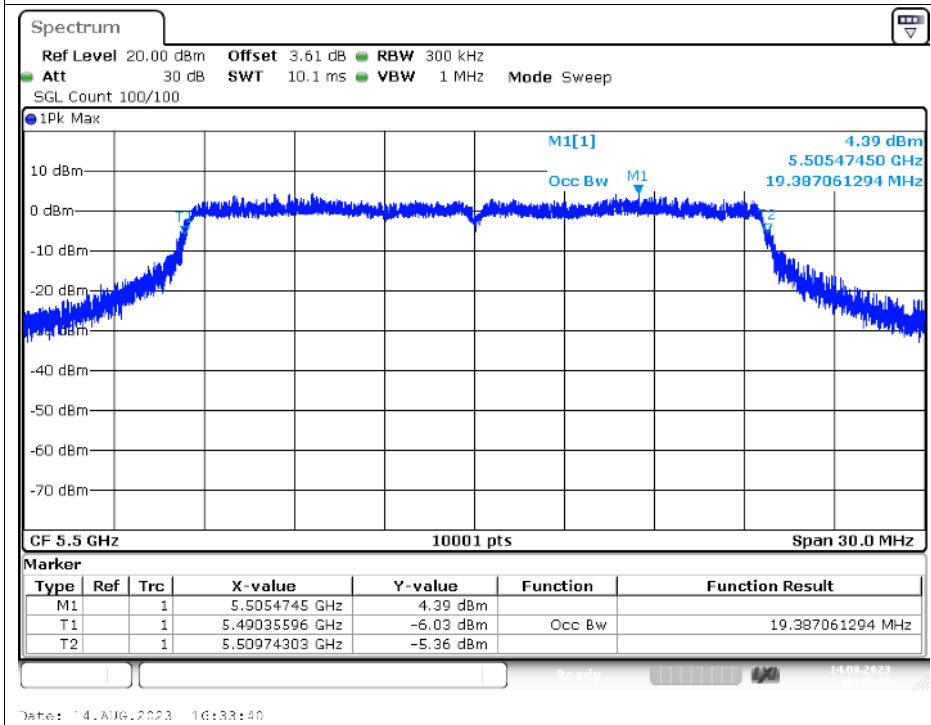
OBW NVNT ax20 5280MHz Ant1



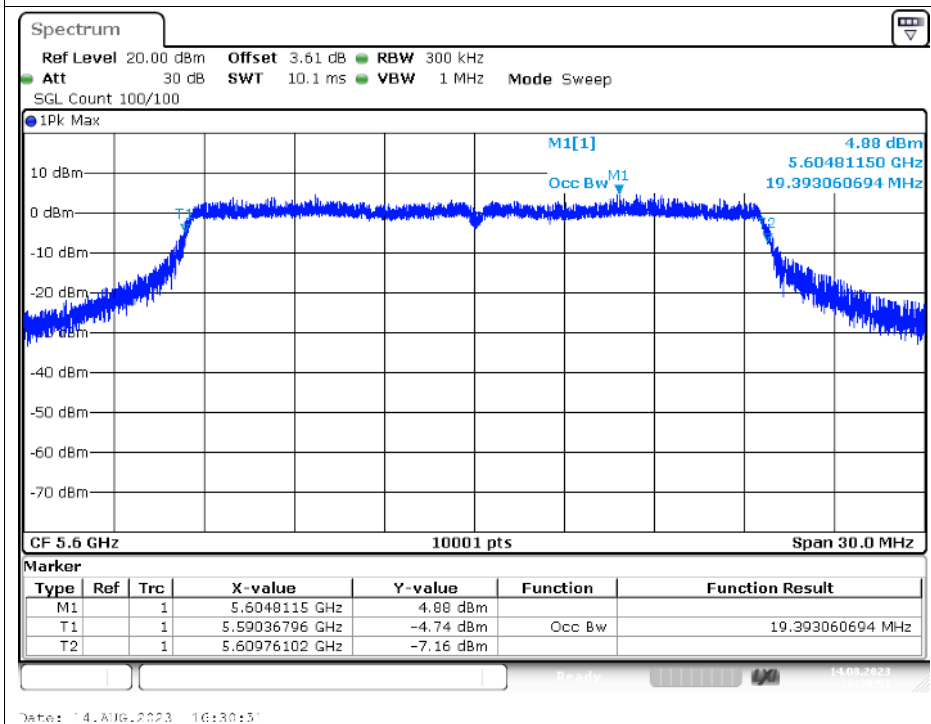
OBW NVNT ax20 5320MHz Ant1



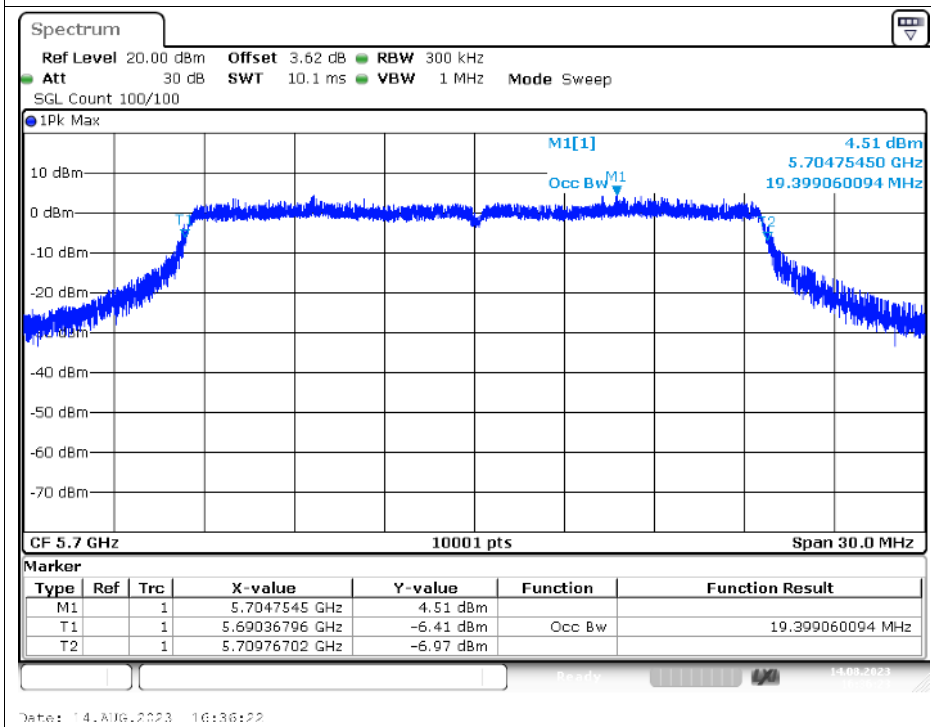
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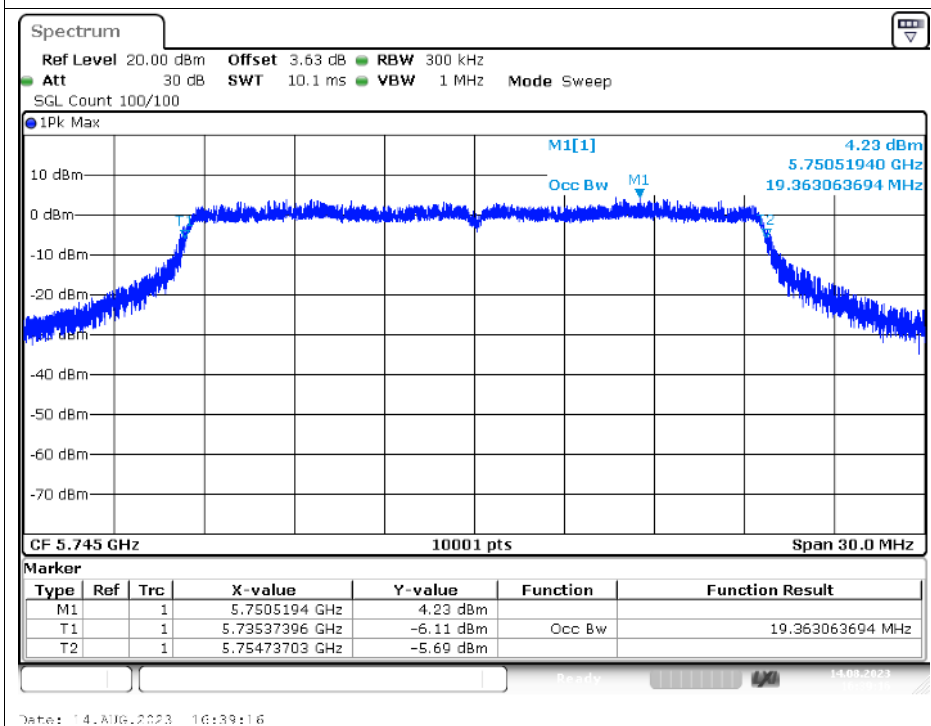
OBW NVNT ax20 5600MHz Ant1



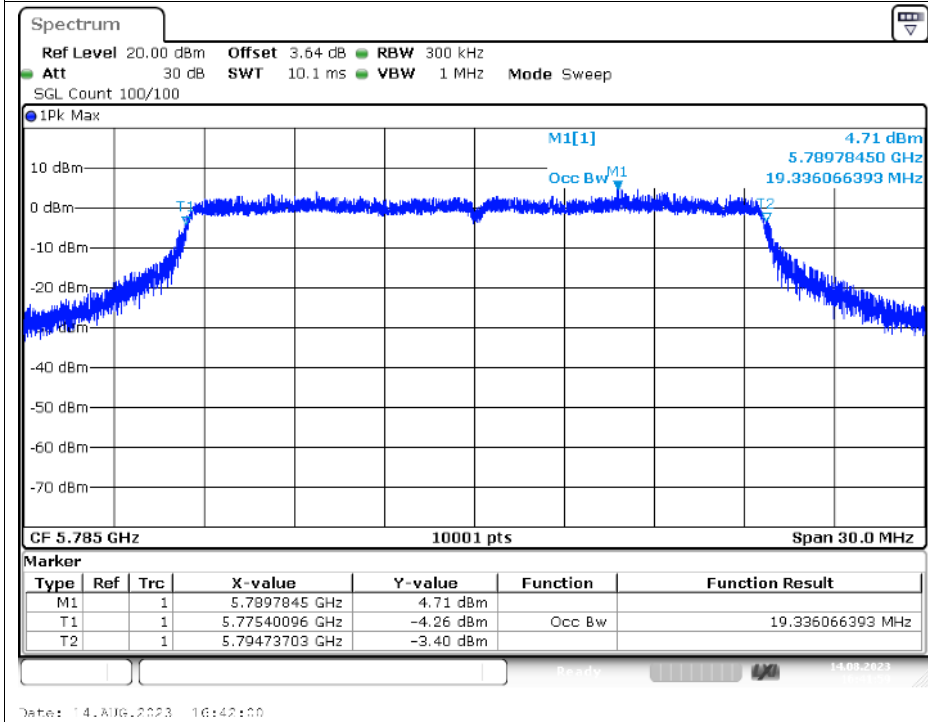
OBW NVNT ax20 5700MHz Ant1



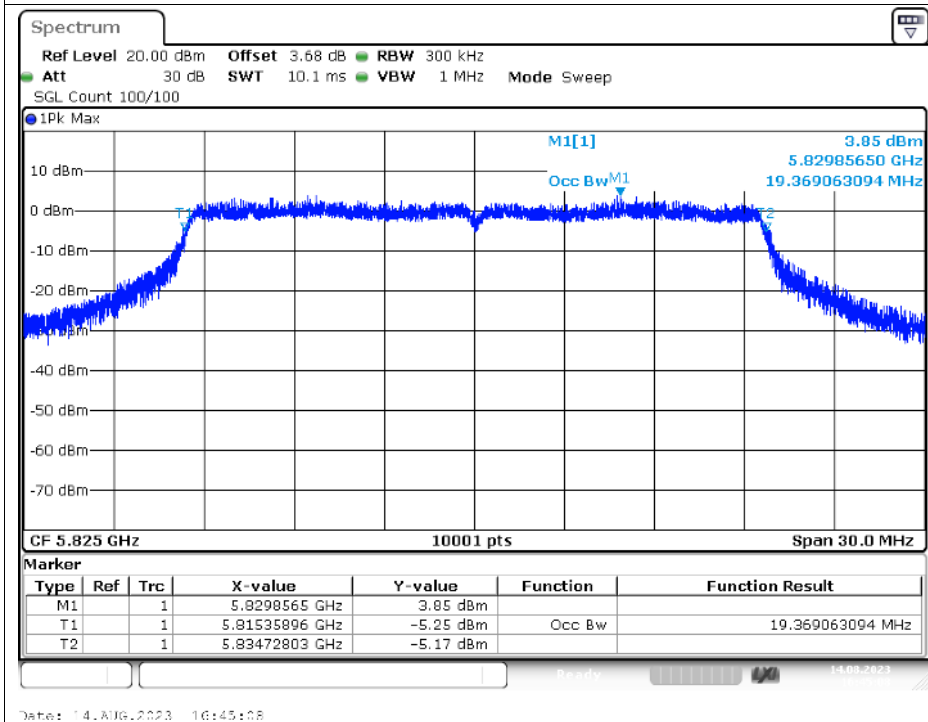
OBW NVNT ax20 5745MHz Ant1



OBW NVNT ax20 5785MHz Ant1



OBW NVNT ax20 5825MHz Ant1



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	1.07	0.1	1.17	11	Pass
NVNT	a	5200	Ant1	0.34	0.1	0.44	11	Pass
NVNT	a	5240	Ant1	0.44	0.1	0.54	11	Pass
NVNT	a	5260	Ant1	0.31	0.15	0.46	11	Pass
NVNT	a	5280	Ant1	0.27	0.15	0.42	11	Pass
NVNT	a	5320	Ant1	0.59	0.15	0.74	11	Pass
NVNT	a	5500	Ant1	0.17	0.15	0.32	11	Pass
NVNT	a	5600	Ant1	0.59	0.15	0.74	11	Pass
NVNT	a	5700	Ant1	0.39	0.15	0.54	11	Pass
NVNT	a	5745	Ant1	-3.98	0.16	-3.82	30	Pass
NVNT	a	5785	Ant1	-2.96	0.16	-2.8	30	Pass
NVNT	a	5825	Ant1	-4.15	0.16	-3.99	30	Pass
NVNT	n20	5180	Ant1	-0.21	0.16	-0.05	11	Pass
NVNT	n20	5200	Ant1	-0.05	0.15	0.1	11	Pass
NVNT	n20	5240	Ant1	-0.2	0.15	-0.05	11	Pass
NVNT	n20	5260	Ant1	-1.03	0.16	-0.87	11	Pass
NVNT	n20	5280	Ant1	-1.36	0.15	-1.21	11	Pass
NVNT	n20	5320	Ant1	0.05	0.16	0.21	11	Pass
NVNT	n20	5500	Ant1	-0.46	0.16	-0.3	11	Pass
NVNT	n20	5600	Ant1	-0.61	0.15	-0.46	11	Pass
NVNT	n20	5700	Ant1	-1.43	0.15	-1.28	11	Pass
NVNT	n20	5745	Ant1	-4.09	0.16	-3.93	30	Pass
NVNT	n20	5785	Ant1	-3.75	0.16	-3.59	30	Pass
NVNT	n20	5825	Ant1	-4.23	0.16	-4.07	30	Pass
NVNT	ac20	5180	Ant1	0.26	0.16	0.42	11	Pass
NVNT	ac20	5200	Ant1	-0.6	0.16	-0.44	11	Pass
NVNT	ac20	5240	Ant1	-0.84	0.16	-0.68	11	Pass
NVNT	ac20	5260	Ant1	-1.27	0.16	-1.11	11	Pass
NVNT	ac20	5280	Ant1	-0.78	0.16	-0.62	11	Pass
NVNT	ac20	5320	Ant1	-0.75	0.16	-0.59	11	Pass
NVNT	ac20	5500	Ant1	0.37	0.16	0.53	11	Pass
NVNT	ac20	5600	Ant1	0.74	0.16	0.9	11	Pass
NVNT	ac20	5700	Ant1	0.7	0.16	0.86	11	Pass
NVNT	ac20	5745	Ant1	-2.04	0.17	-1.87	30	Pass
NVNT	ac20	5785	Ant1	-2.66	0.17	-2.49	30	Pass
NVNT	ac20	5825	Ant1	-2.88	0.17	-2.71	30	Pass
NVNT	ax20	5180	Ant1	-1.61	0.21	-1.4	11	Pass
NVNT	ax20	5200	Ant1	-2.63	0.21	-2.42	11	Pass
NVNT	ax20	5240	Ant1	-2.27	0.21	-2.06	11	Pass

NVNT	ax20	5260	Ant1	-2.8	0.21	-2.59	11	Pass
NVNT	ax20	5280	Ant1	-3.33	0.21	-3.12	11	Pass
NVNT	ax20	5320	Ant1	-2.86	0.21	-2.65	11	Pass
NVNT	ax20	5500	Ant1	-2.16	0.41	-1.75	11	Pass
NVNT	ax20	5600	Ant1	-2.28	0.21	-2.07	11	Pass
NVNT	ax20	5700	Ant1	-2.27	0.21	-2.06	11	Pass
NVNT	ax20	5745	Ant1	-5.49	0.21	-5.28	30	Pass
NVNT	ax20	5785	Ant1	-4.82	0.21	-4.61	30	Pass
NVNT	ax20	5825	Ant1	-5.87	0.21	-5.66	30	Pass

