

Appendix A

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	94.86	0.23	0.48
NVNT	a	5200	Ant1	93.65	0.28	0.48
NVNT	a	5240	Ant1	93.27	0.3	0.48
NVNT	a	5260	Ant1	93.65	0.28	0.48
NVNT	a	5300	Ant1	94.08	0.27	0.48
NVNT	a	5320	Ant1	93.65	0.28	0.48
NVNT	a	5500	Ant1	95.65	0.19	0.48
NVNT	a	5600	Ant1	90.69	0.42	0.48
NVNT	a	5700	Ant1	92.15	0.36	0.48
NVNT	a	5745	Ant1	90.33	0.44	0.48
NVNT	a	5785	Ant1	93.27	0.3	0.48
NVNT	a	5825	Ant1	93.27	0.3	0.48
NVNT	n20	5180	Ant1	94.86	0.23	0.52
NVNT	n20	5200	Ant1	92.4	0.34	0.52
NVNT	n20	5240	Ant1	94.49	0.25	0.52
NVNT	n20	5260	Ant1	91.22	0.4	0.52
NVNT	n20	5300	Ant1	90.83	0.42	0.52
NVNT	n20	5320	Ant1	91.61	0.38	0.52
NVNT	n20	5500	Ant1	90.11	0.45	0.52
NVNT	n20	5600	Ant1	94.03	0.27	0.52
NVNT	n20	5700	Ant1	89.31	0.49	0.52
NVNT	n20	5745	Ant1	95.29	0.21	0.52
NVNT	n20	5785	Ant1	92.4	0.34	0.52
NVNT	n20	5825	Ant1	91.56	0.38	0.52
NVNT	n40	5190	Ant1	90.87	0.42	1.06
NVNT	n40	5230	Ant1	90.87	0.42	1.06
NVNT	n40	5270	Ant1	86.38	0.64	1.06
NVNT	n40	5310	Ant1	83.63	0.78	1.06
NVNT	n40	5510	Ant1	80.43	0.95	1.06
NVNT	n40	5590	Ant1	82.32	0.84	1.06
NVNT	n40	5670	Ant1	81.68	0.88	1.06

NVNT	n40	5755	Ant1	81.68	0.88	1.06
NVNT	n40	5795	Ant1	12.5	9.03	1000

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	15.02	0.36	15.38	24	Pass
NVNT	a	5200	Ant1	14.87	0.28	15.15	24	Pass
NVNT	a	5240	Ant1	14.4	0.3	14.7	24	Pass
NVNT	a	5260	Ant1	15.18	0.28	15.46	24	Pass
NVNT	a	5300	Ant1	14.29	0.27	14.56	24	Pass
NVNT	a	5320	Ant1	15.82	0.28	16.1	24	Pass
NVNT	a	5500	Ant1	14.87	0.19	15.06	24	Pass
NVNT	a	5600	Ant1	15.33	0.42	15.75	24	Pass
NVNT	a	5700	Ant1	14.95	0.36	15.31	24	Pass
NVNT	a	5745	Ant1	14.75	0.44	15.19	30	Pass
NVNT	a	5785	Ant1	14.51	0.3	14.81	30	Pass
NVNT	a	5825	Ant1	13.95	0.3	14.25	30	Pass
NVNT	n20	5180	Ant1	13.98	0.23	14.21	24	Pass
NVNT	n20	5200	Ant1	13.81	0.34	14.15	24	Pass
NVNT	n20	5240	Ant1	13.37	0.25	13.62	24	Pass
NVNT	n20	5260	Ant1	13.91	0.4	14.31	24	Pass
NVNT	n20	5300	Ant1	13.05	0.42	13.47	24	Pass
NVNT	n20	5320	Ant1	14.73	0.38	15.11	24	Pass
NVNT	n20	5500	Ant1	13.6	0.45	14.05	24	Pass
NVNT	n20	5600	Ant1	14.26	0.27	14.53	24	Pass
NVNT	n20	5700	Ant1	14.71	0.49	15.2	24	Pass
NVNT	n20	5745	Ant1	13.73	0.21	13.94	30	Pass
NVNT	n20	5785	Ant1	13.35	0.34	13.69	30	Pass
NVNT	n20	5825	Ant1	12.51	0.38	12.89	30	Pass
NVNT	n40	5190	Ant1	14.16	0.42	14.58	24	Pass
NVNT	n40	5230	Ant1	13.48	0.42	13.9	24	Pass
NVNT	n40	5270	Ant1	13.57	0.64	14.21	24	Pass
NVNT	n40	5310	Ant1	12.85	0.78	13.63	24	Pass
NVNT	n40	5510	Ant1	13.85	0.95	14.8	24	Pass
NVNT	n40	5590	Ant1	14.16	0.84	15	24	Pass
NVNT	n40	5670	Ant1	14.63	0.88	15.51	24	Pass
NVNT	n40	5755	Ant1	13.7	0.88	14.58	30	Pass
NVNT	n40	5795	Ant1	5.42	9.03	14.45	30	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.93	N/A	N/A
NVNT	a	5200	Ant1	19.97	N/A	N/A
NVNT	a	5240	Ant1	20.4	N/A	N/A
NVNT	a	5260	Ant1	19.73	N/A	N/A
NVNT	a	5300	Ant1	20.2	N/A	N/A
NVNT	a	5320	Ant1	19.71	N/A	N/A
NVNT	a	5500	Ant1	20.91	N/A	N/A
NVNT	a	5600	Ant1	20.6	N/A	N/A
NVNT	a	5700	Ant1	20.36	N/A	N/A
NVNT	n20	5180	Ant1	20.69	N/A	N/A
NVNT	n20	5200	Ant1	21.09	N/A	N/A
NVNT	n20	5240	Ant1	21.2	N/A	N/A
NVNT	n20	5260	Ant1	20.96	N/A	N/A
NVNT	n20	5300	Ant1	21.43	N/A	N/A
NVNT	n20	5320	Ant1	20.25	N/A	N/A
NVNT	n20	5500	Ant1	21.28	N/A	N/A
NVNT	n20	5600	Ant1	21.71	N/A	N/A
NVNT	n20	5700	Ant1	21	N/A	N/A
NVNT	n40	5190	Ant1	37.45	N/A	N/A
NVNT	n40	5230	Ant1	37.65	N/A	N/A
NVNT	n40	5270	Ant1	37.85	N/A	N/A
NVNT	n40	5310	Ant1	37.88	N/A	N/A
NVNT	n40	5510	Ant1	37.52	N/A	N/A
NVNT	n40	5590	Ant1	37.69	N/A	N/A
NVNT	n40	5670	Ant1	37.85	N/A	N/A

Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT a 5260MHz Ant1



-26dB Bandwidth NVNT a 5300MHz 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



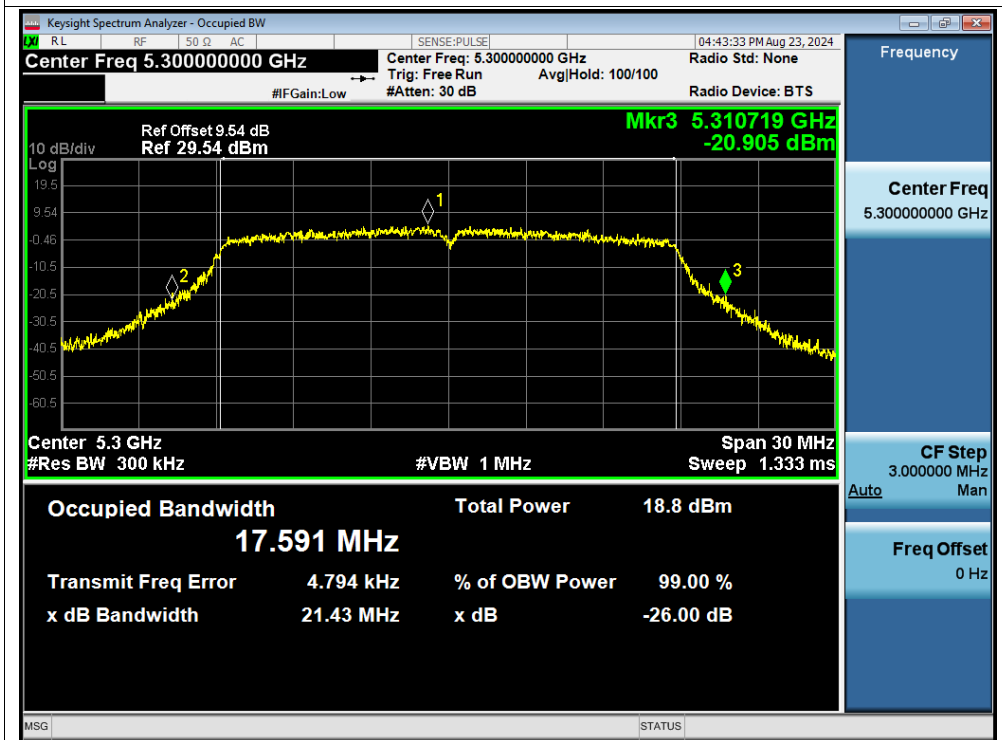
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-26dB Bandwidth NVNT n20 5260MHz Ant1



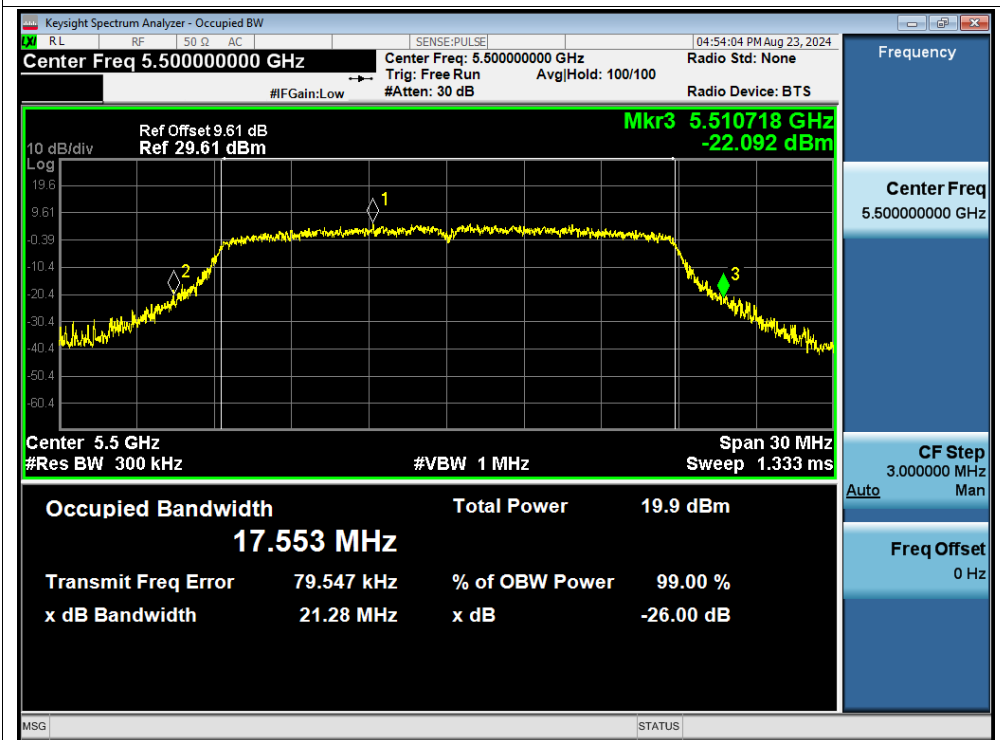
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-26dB Bandwidth NVNT n20 5320MHz Ant1



-26dB Bandwidth NVNT n20 5500MHz Ant1



-26dB Bandwidth NVNT n20 5600MHz Ant1



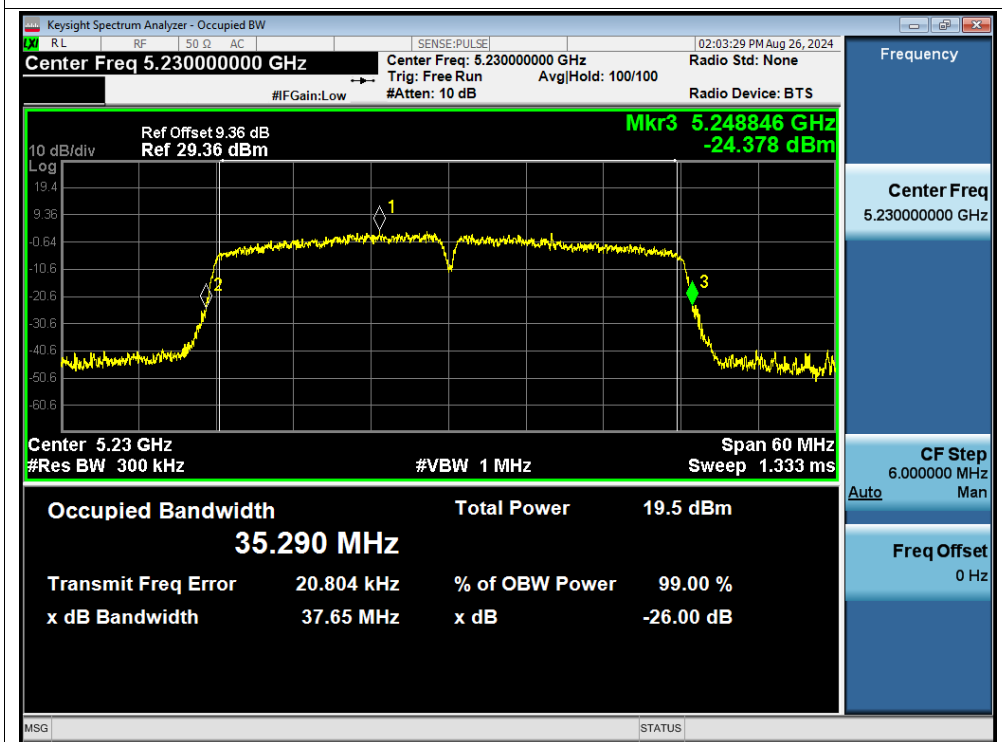
-26dB Bandwidth NVNT n20 5700MHz Ant1



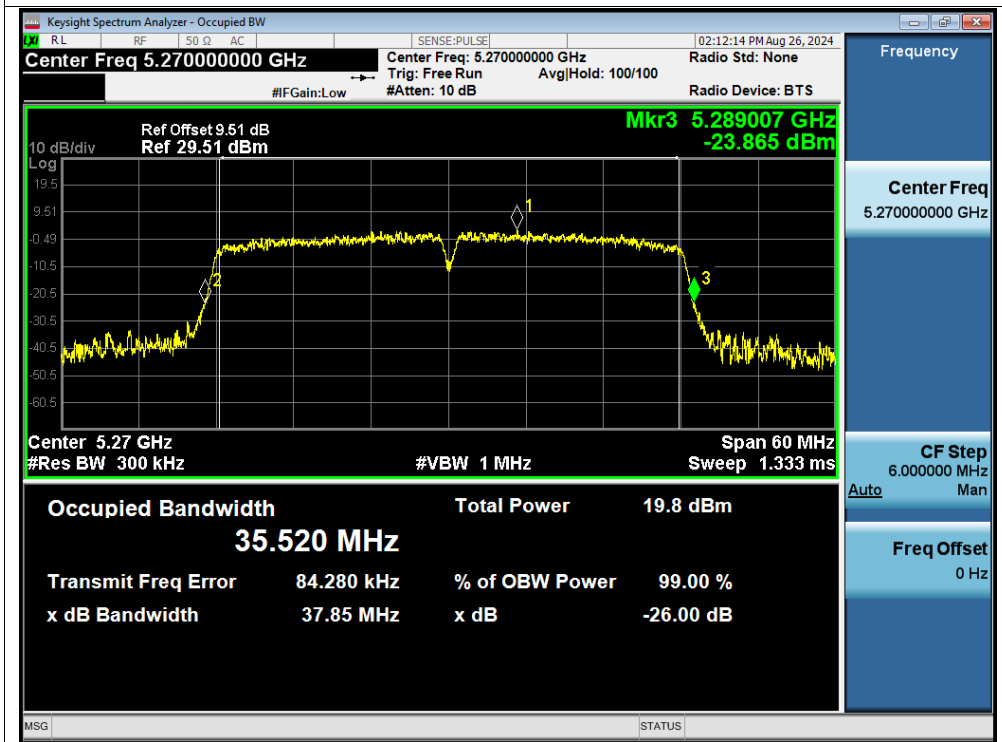
-26dB Bandwidth NVNT n40 5190MHz Ant1



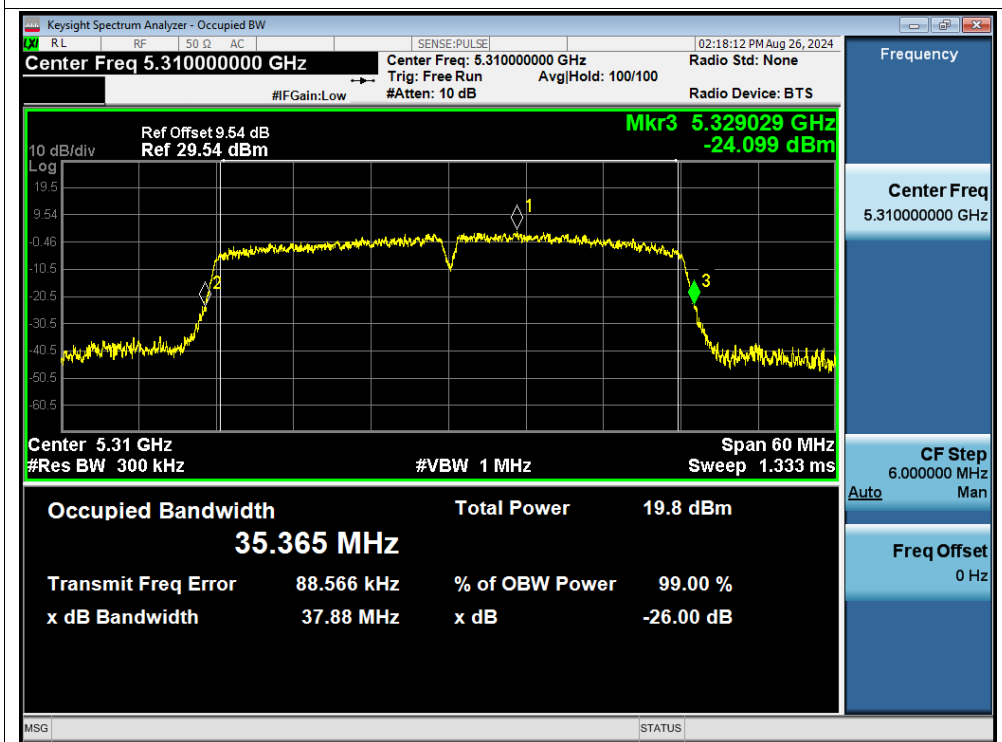
-26dB Bandwidth NVNT n40 5230MHz Ant1



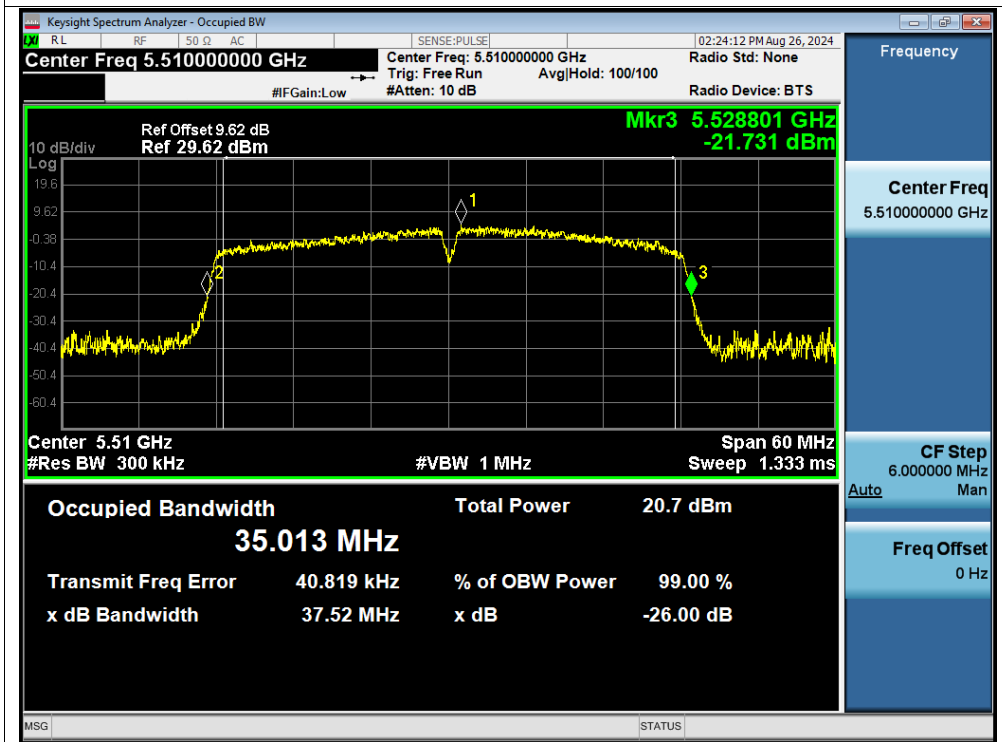
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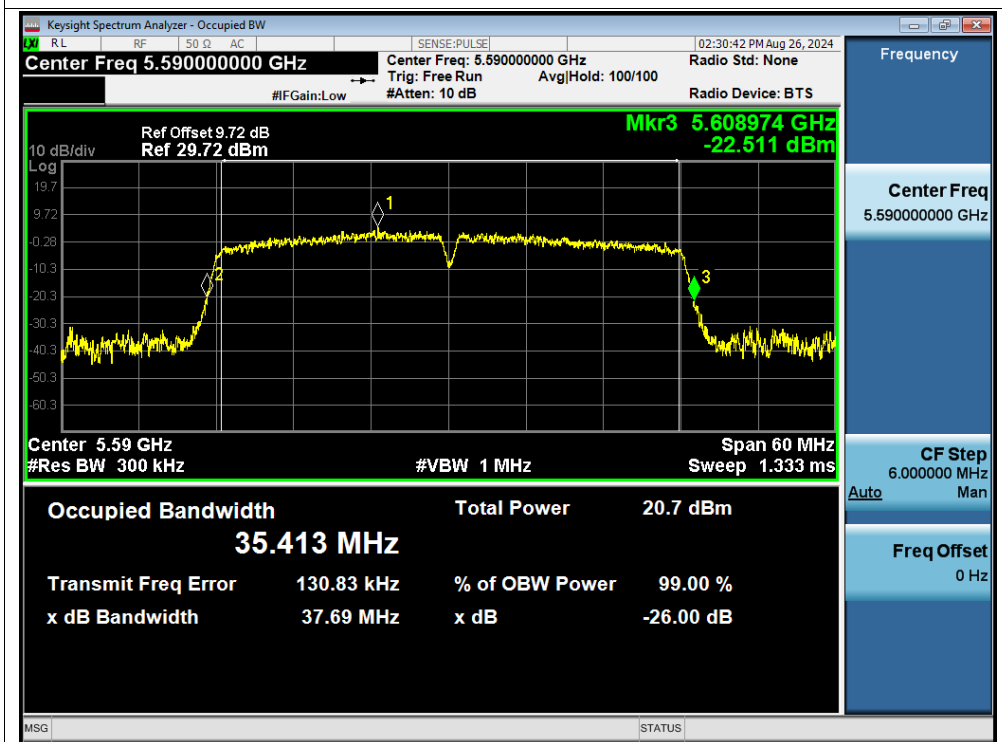
-26dB Bandwidth NVNT n40 5310MHz Ant1



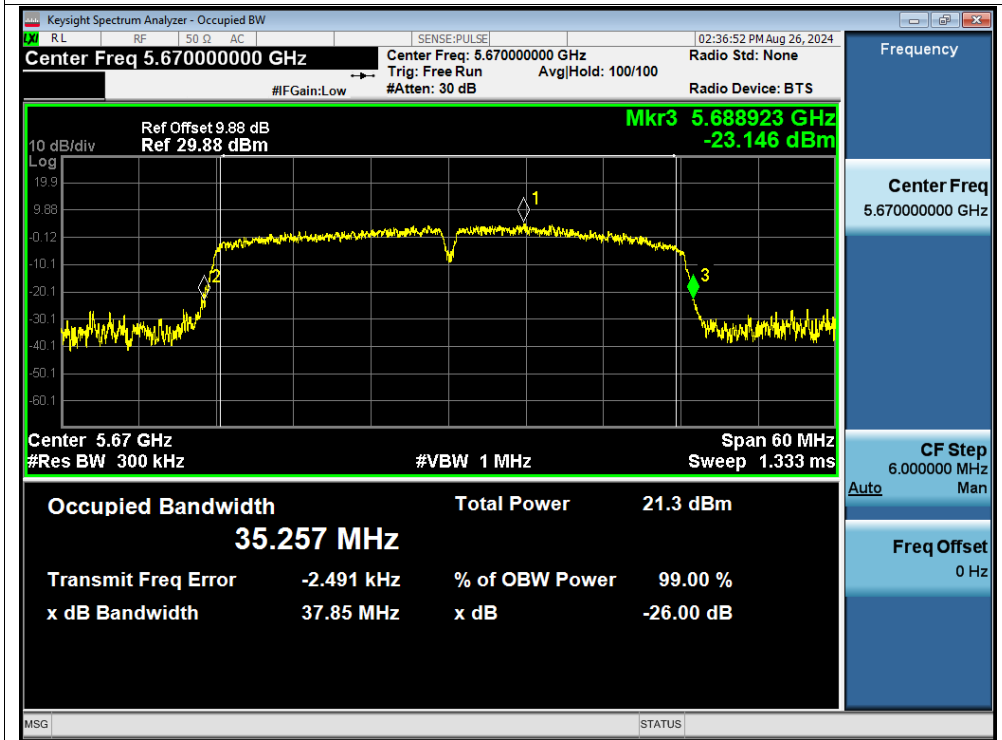
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

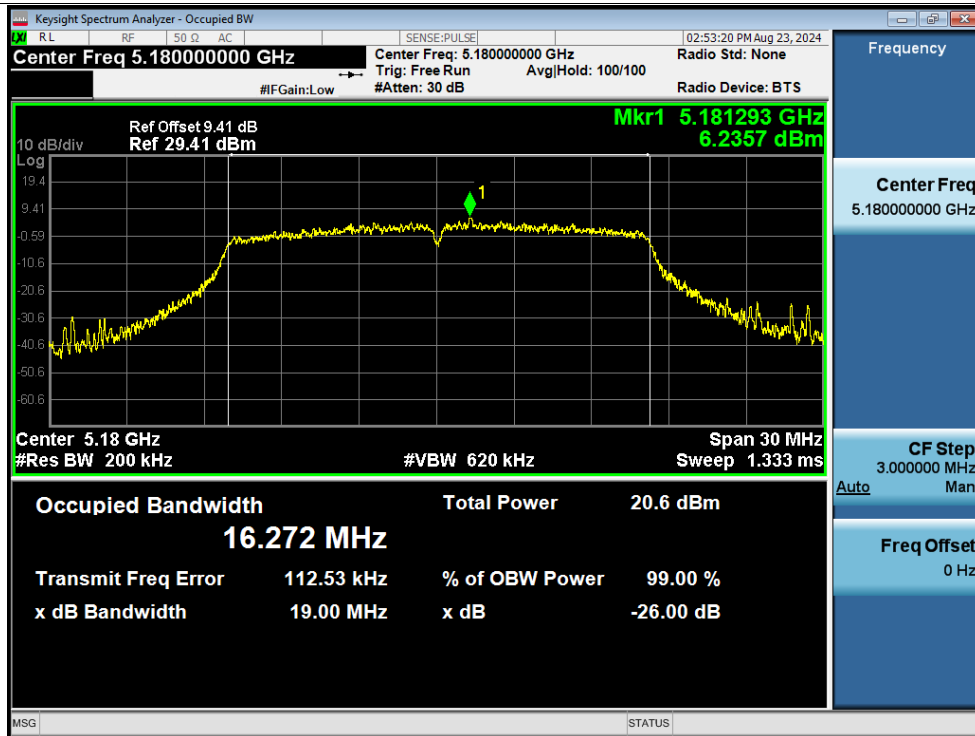


Occupied Channel Bandwidth

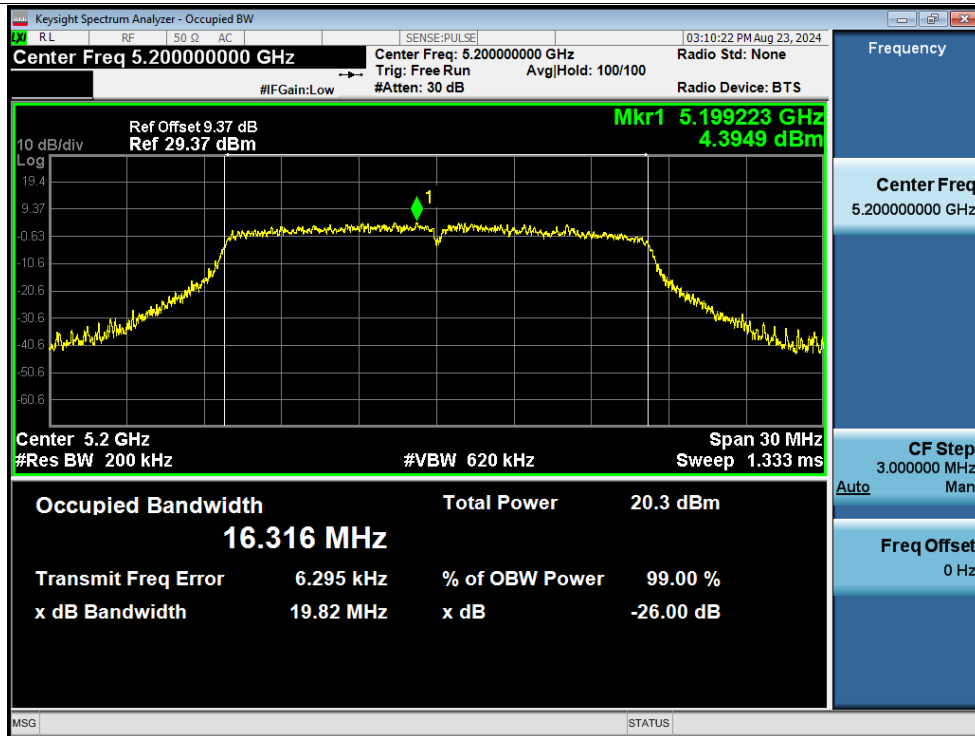
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.272
NVNT	a	5200	Ant1	16.316
NVNT	a	5240	Ant1	16.382
NVNT	a	5260	Ant1	16.27
NVNT	a	5300	Ant1	16.355
NVNT	a	5320	Ant1	16.193
NVNT	a	5500	Ant1	16.359
NVNT	a	5600	Ant1	16.354
NVNT	a	5700	Ant1	16.316
NVNT	a	5745	Ant1	16.217
NVNT	a	5785	Ant1	16.272
NVNT	a	5825	Ant1	16.324
NVNT	n20	5180	Ant1	17.409
NVNT	n20	5200	Ant1	17.461
NVNT	n20	5240	Ant1	17.488
NVNT	n20	5260	Ant1	17.426
NVNT	n20	5300	Ant1	17.491
NVNT	n20	5320	Ant1	17.282
NVNT	n20	5500	Ant1	17.471
NVNT	n20	5600	Ant1	17.493
NVNT	n20	5700	Ant1	17.428
NVNT	n20	5745	Ant1	17.299
NVNT	n20	5785	Ant1	17.4
NVNT	n20	5825	Ant1	17.5
NVNT	n40	5190	Ant1	34.999
NVNT	n40	5230	Ant1	35.342
NVNT	n40	5270	Ant1	35.592
NVNT	n40	5310	Ant1	35.479
NVNT	n40	5510	Ant1	35.265
NVNT	n40	5590	Ant1	35.552
NVNT	n40	5670	Ant1	35.378
NVNT	n40	5755	Ant1	35.298
NVNT	n40	5795	Ant1	35.428

Test Graphs

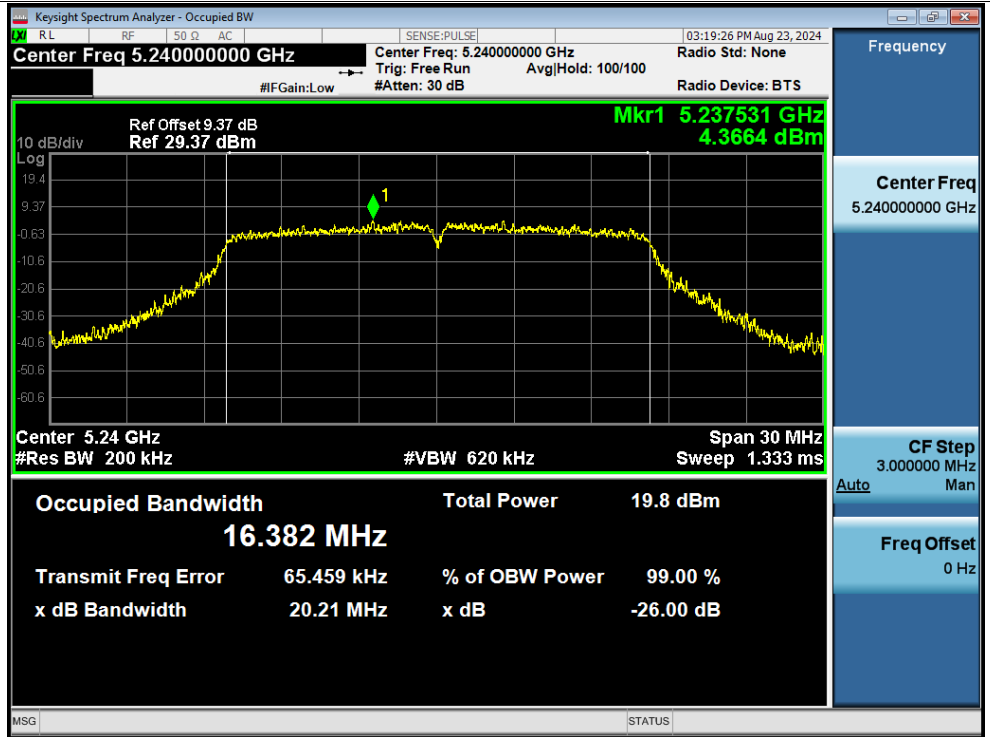
OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1



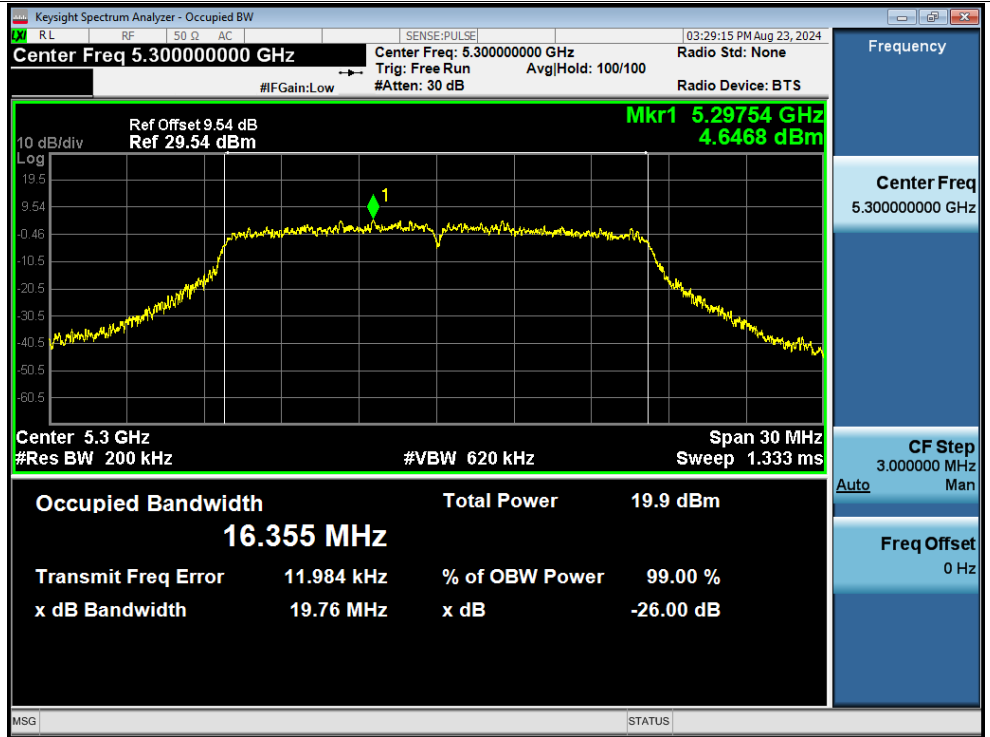
OBW NVNT a 5240MHz Ant1



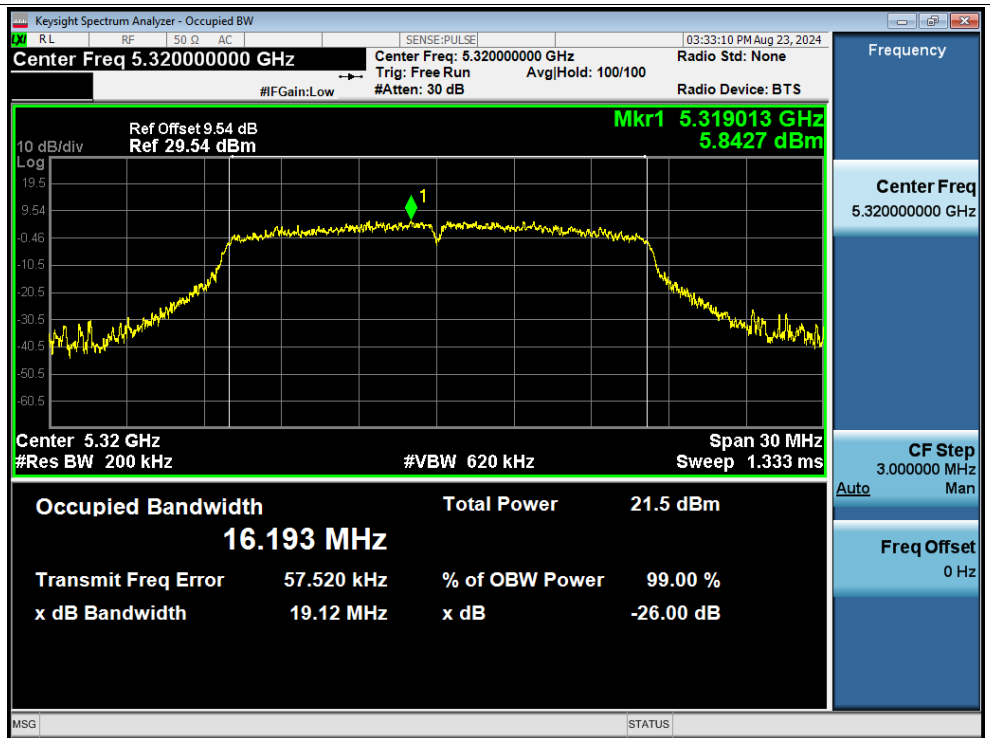
OBW NVNT a 5260MHz Ant1



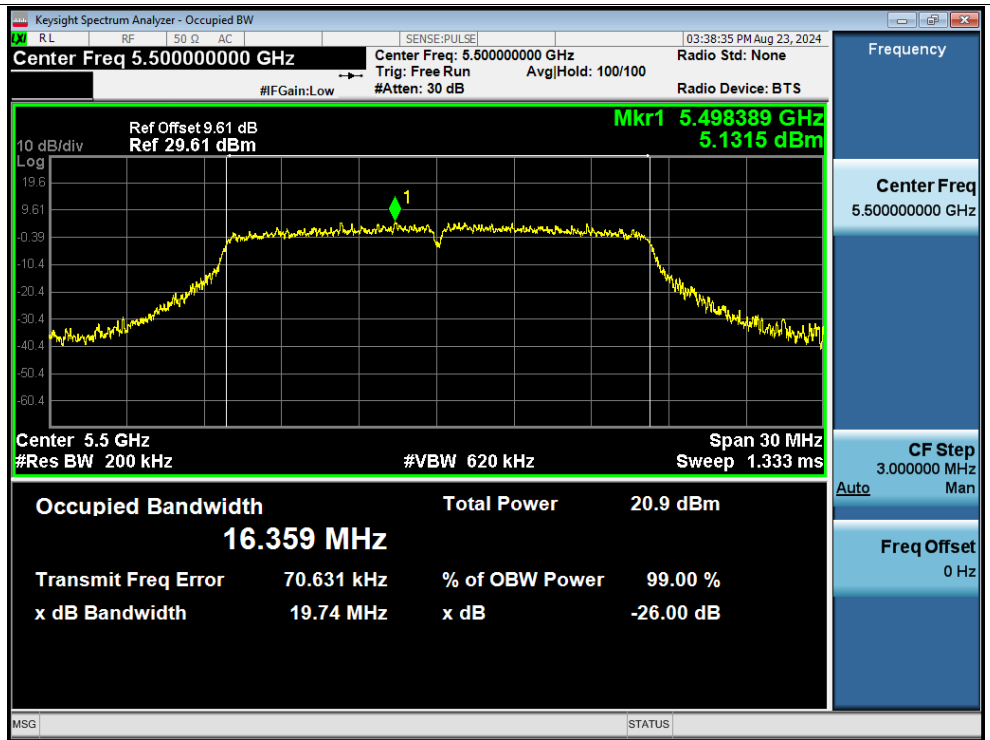
OBW NVNT a 5300MHz Ant1



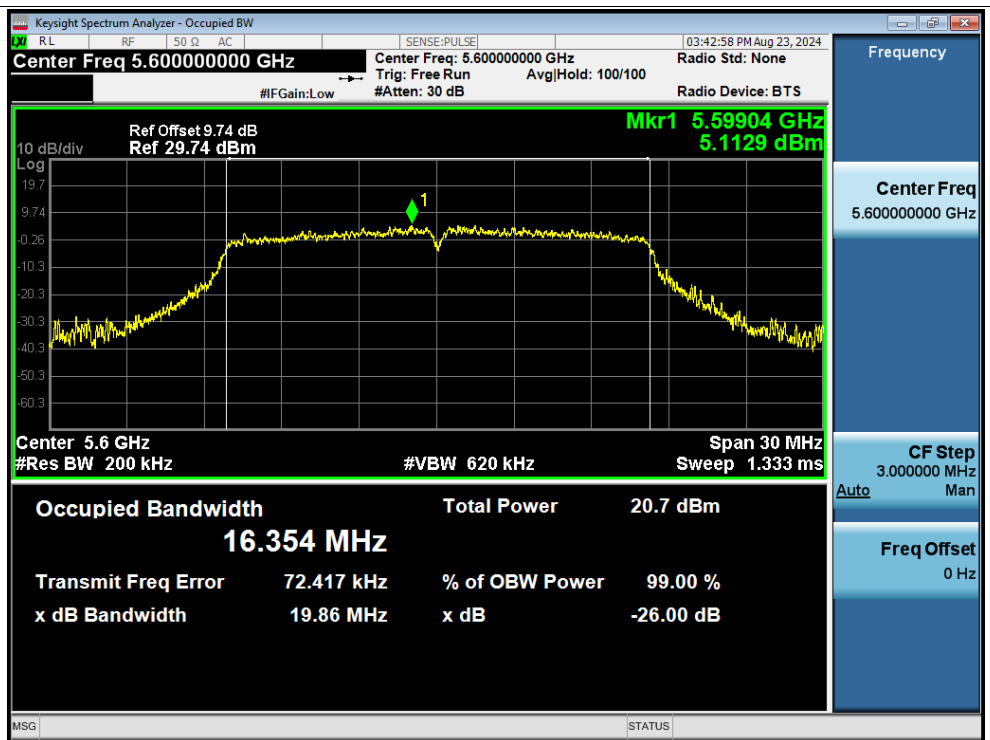
OBW NVNT a 5320MHz Ant1



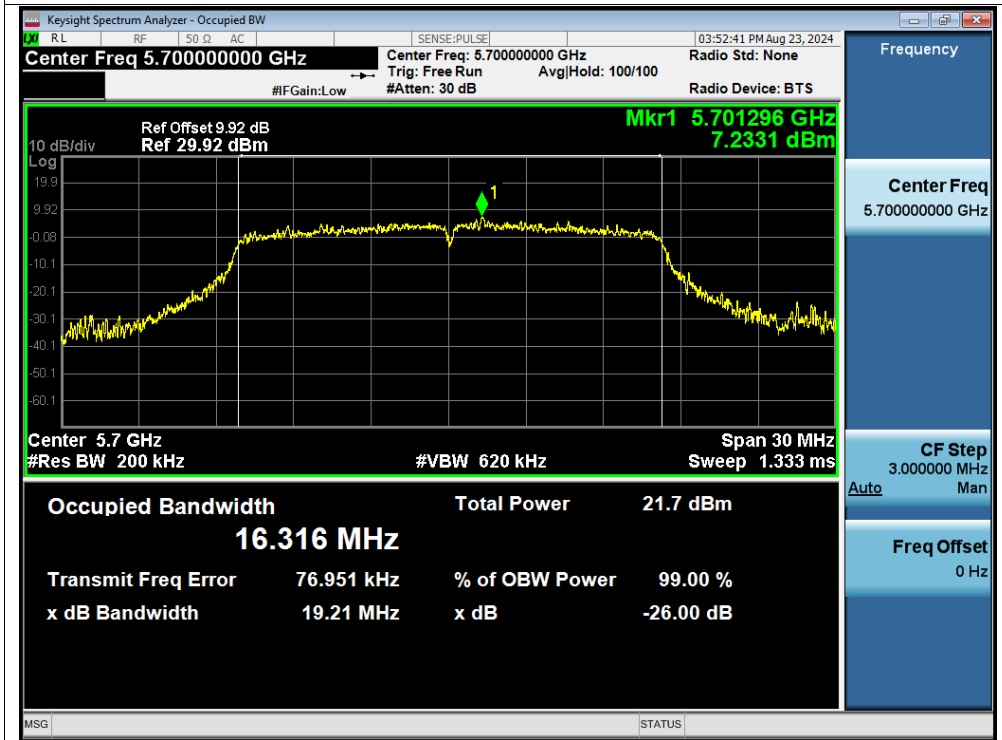
OBW NVNT a 5500MHz Ant1



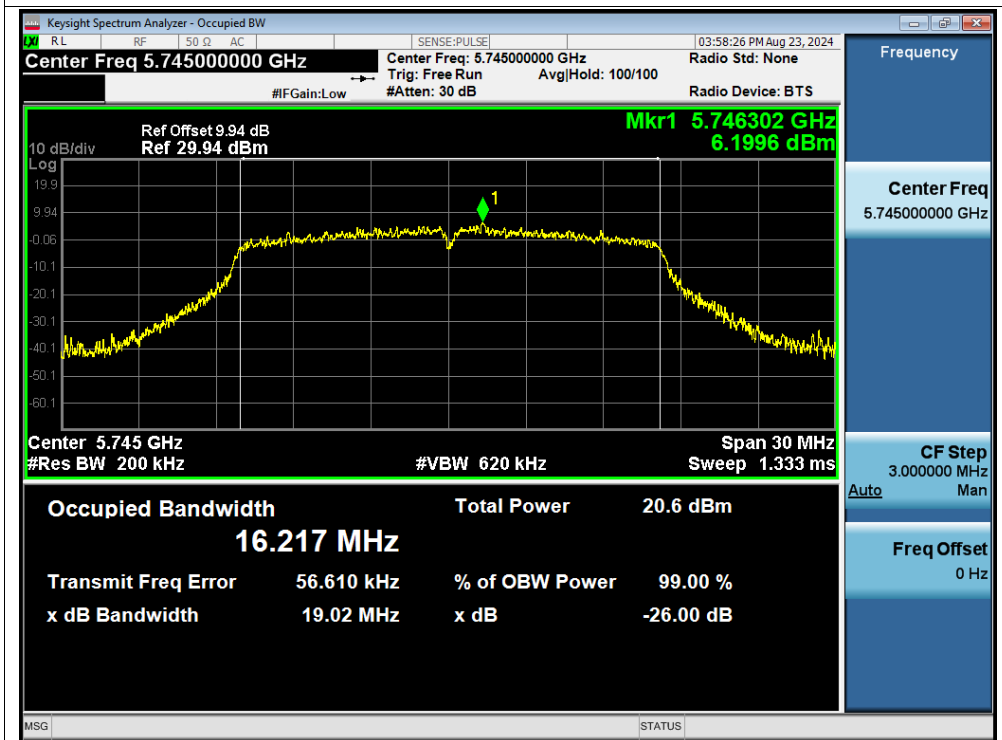
OBW NVNT a 5600MHz Ant1



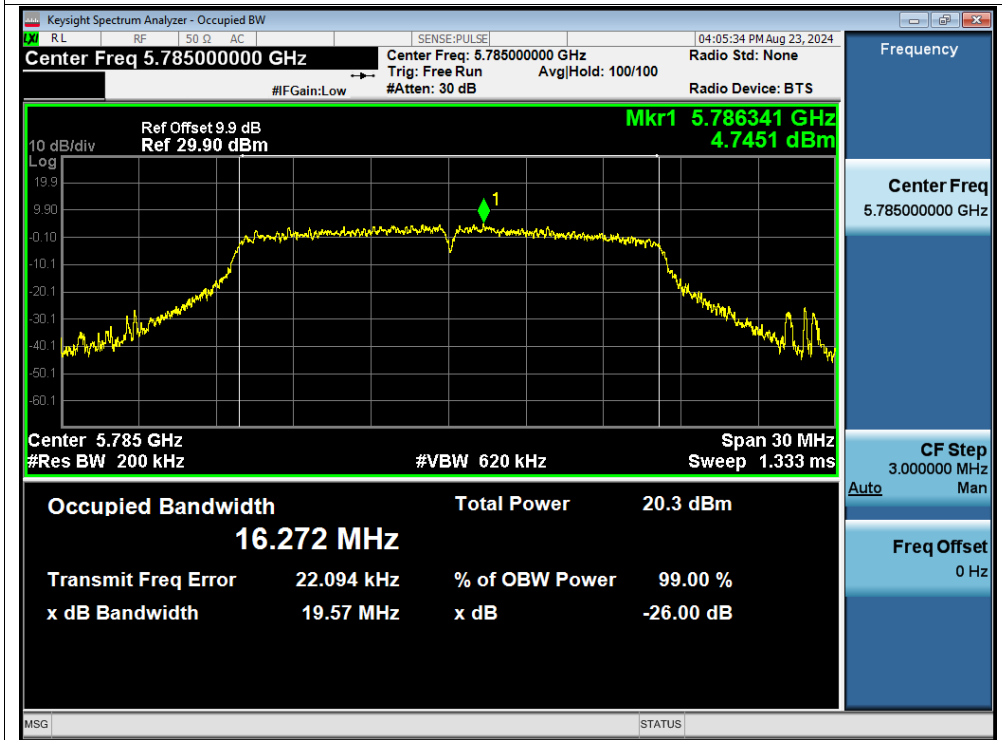
OBW NVNT a 5700MHz Ant1



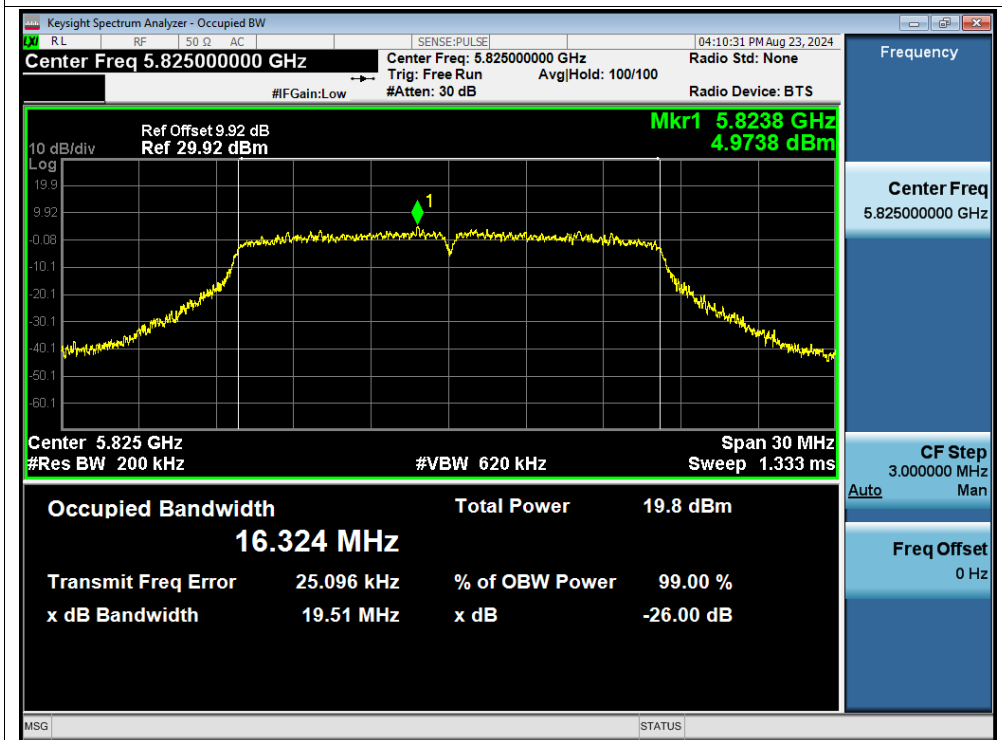
OBW NVNT a 5745MHz Ant1



OBW NVNT a 5785MHz Ant1



OBW NVNT a 5825MHz Ant1



OBW NVNT n20 5180MHz Ant1



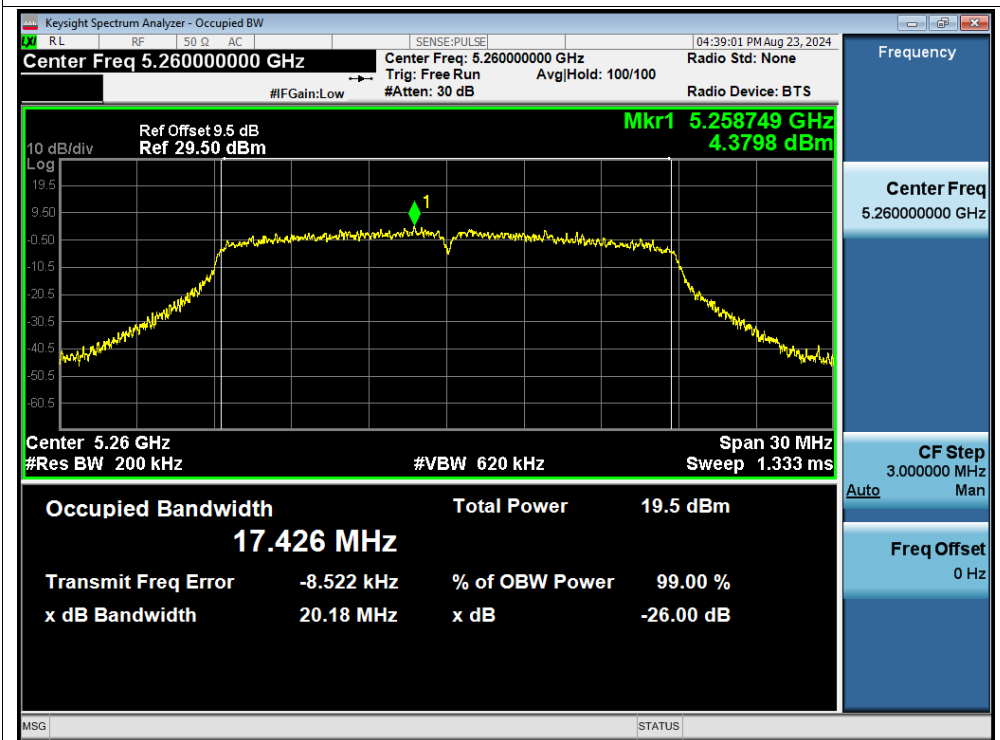
OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



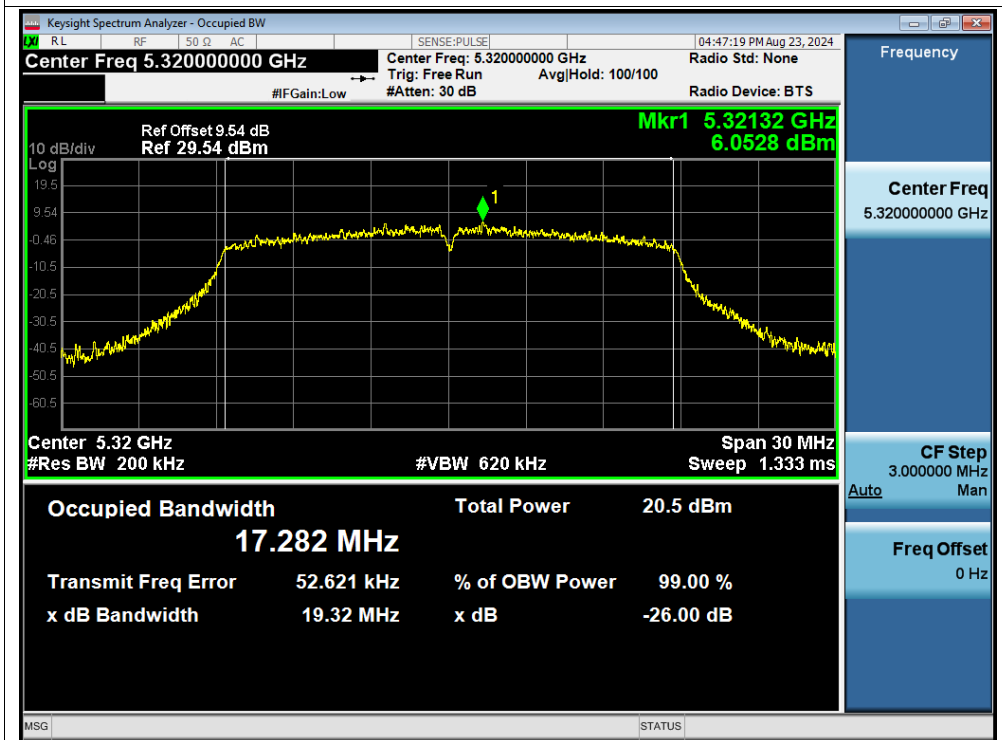
OBW NVNT n20 5260MHz Ant1



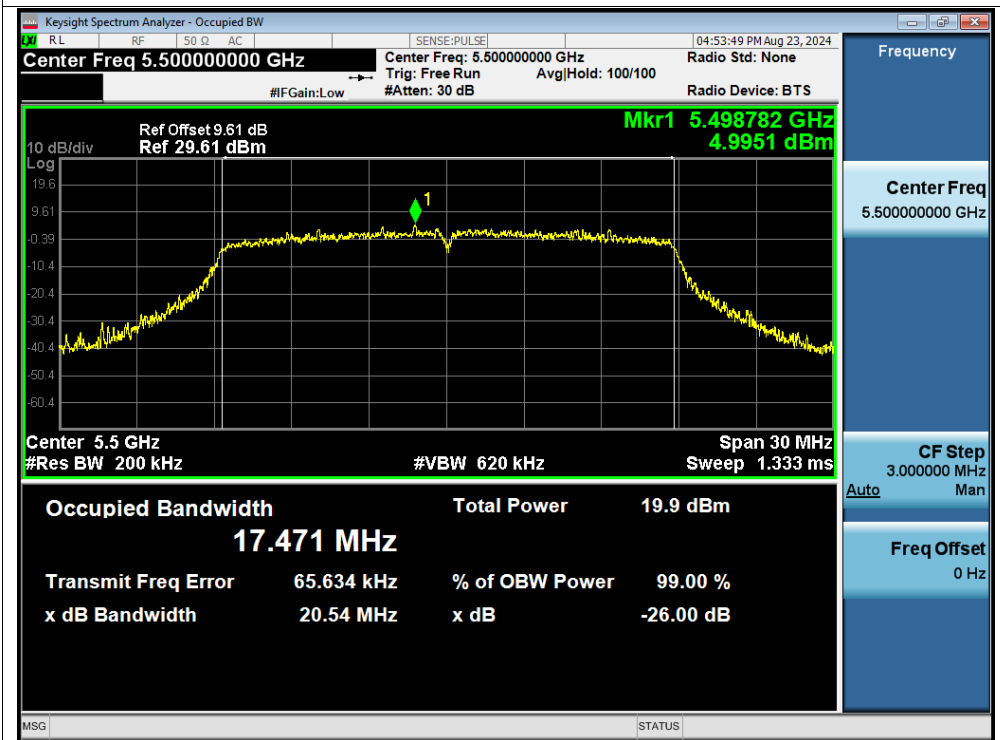
OBW NVNT n20 5300MHz Ant1



OBW NVNT n20 5320MHz Ant1



OBW NVNT n20 5500MHz Ant1



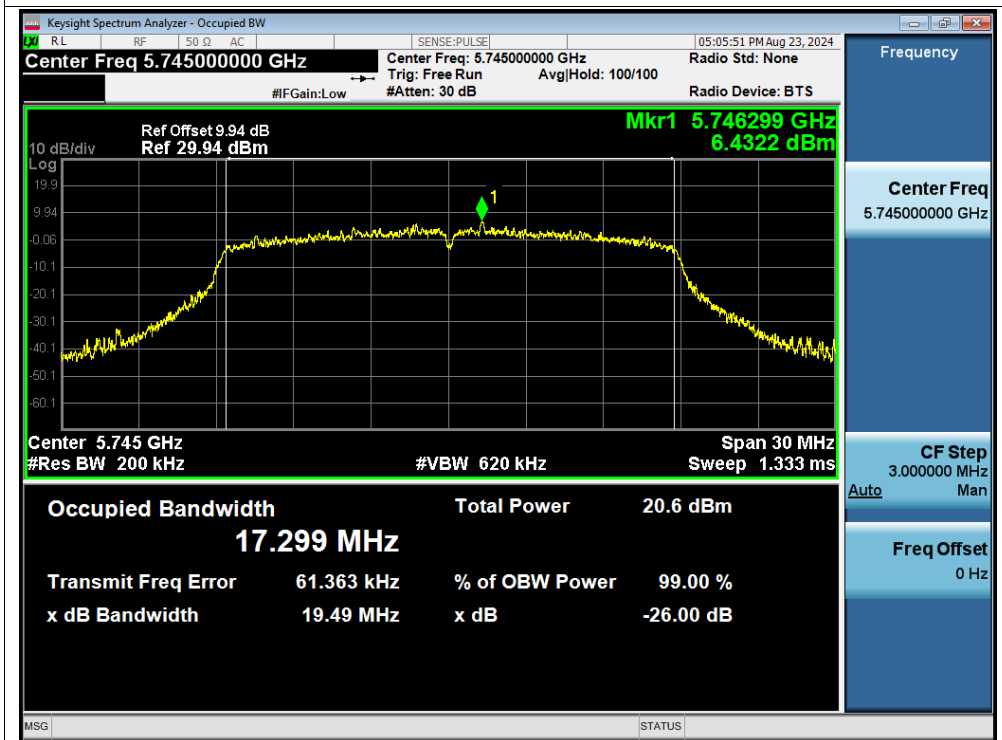
OBW NVNT n20 5600MHz Ant1



OBW NVNT n20 5700MHz Ant1



OBW NVNT n20 5745MHz Ant1



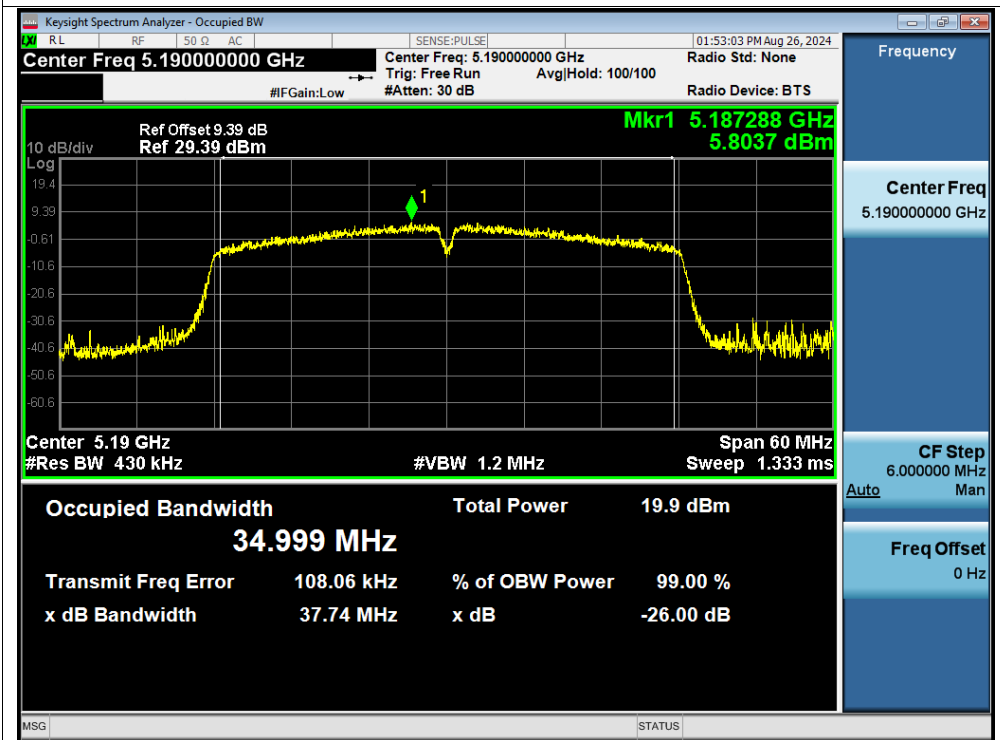
OBW NVNT n20 5785MHz Ant1



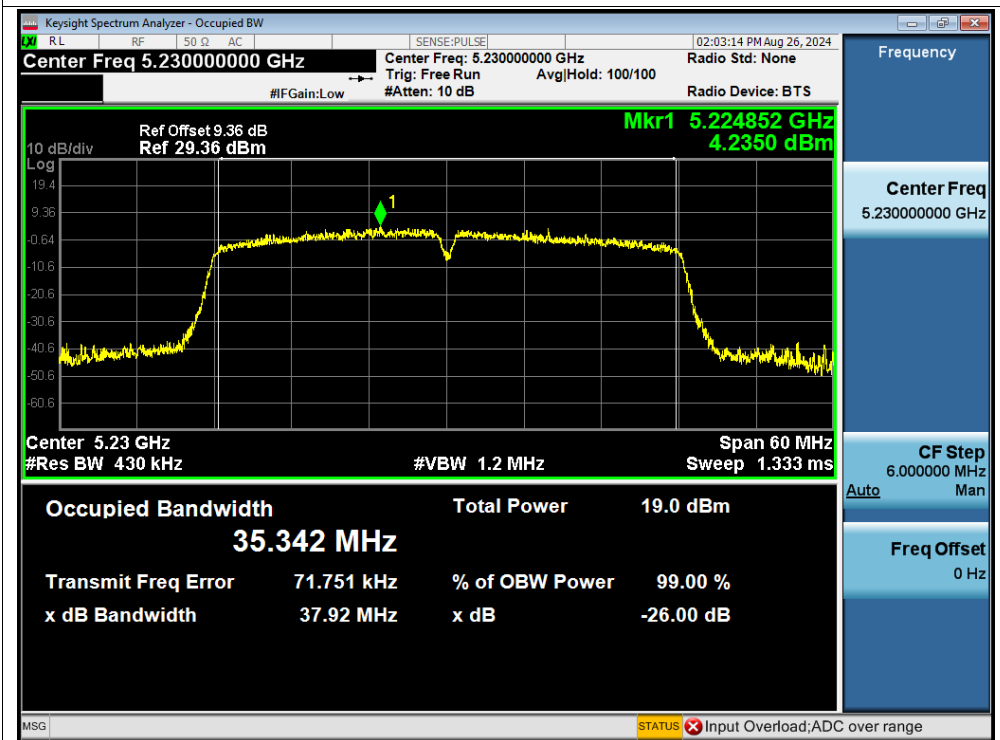
OBW NVNT n20 5825MHz Ant1



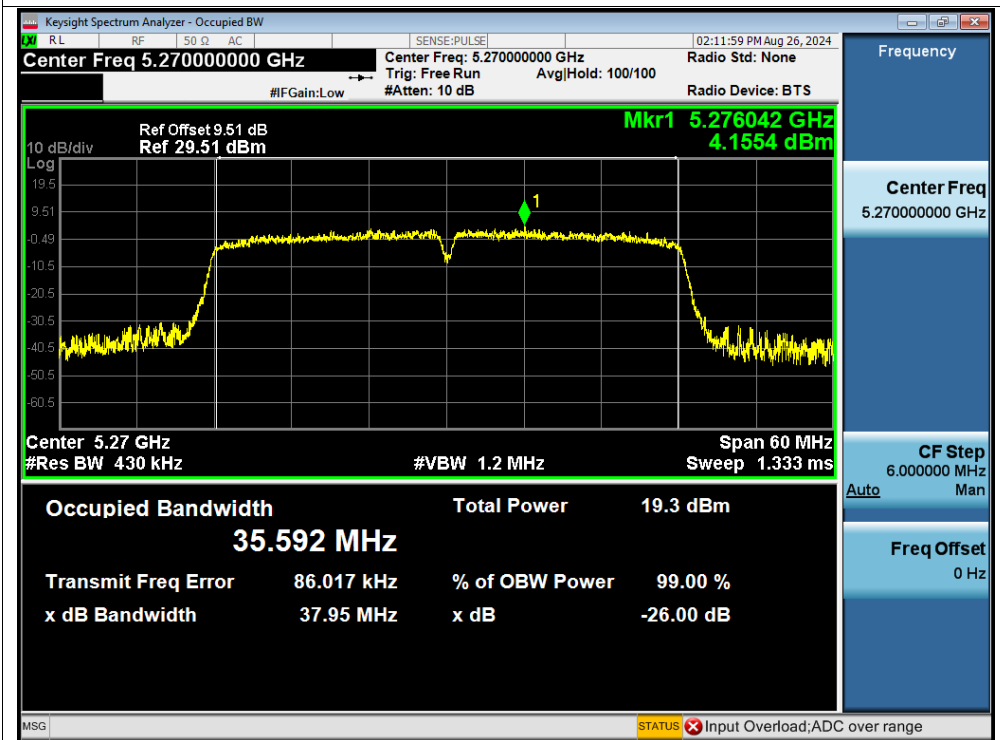
OBW NVNT n40 5190MHz Ant1



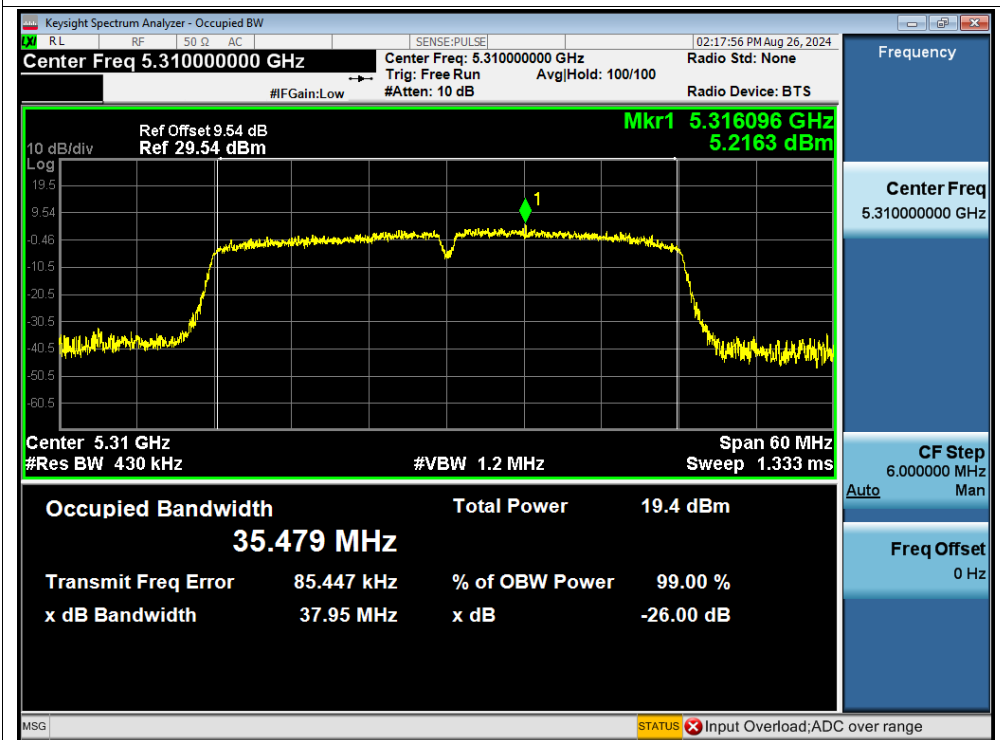
OBW NVNT n40 5230MHz Ant1



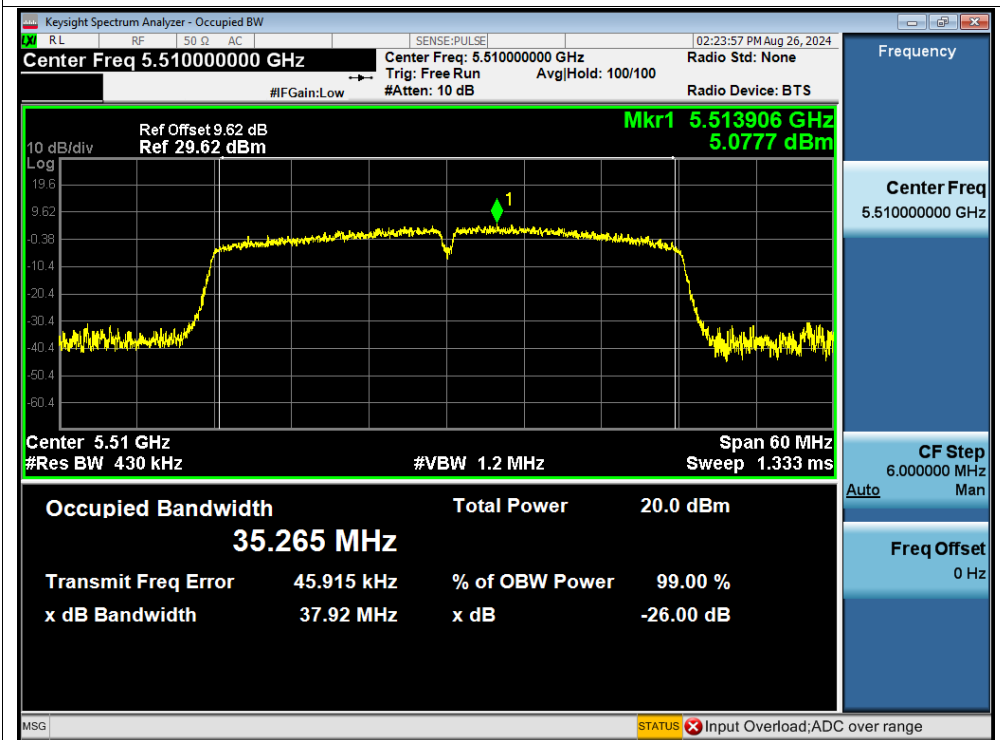
OBW NVNT n40 5270MHz Ant1



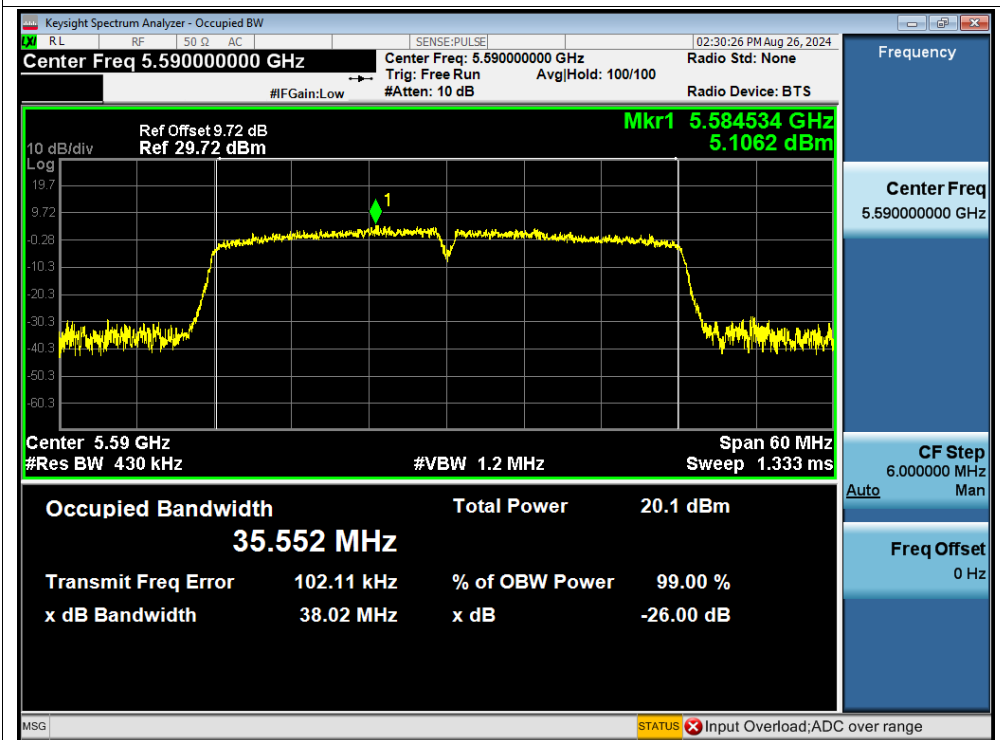
OBW NVNT n40 5310MHz Ant1



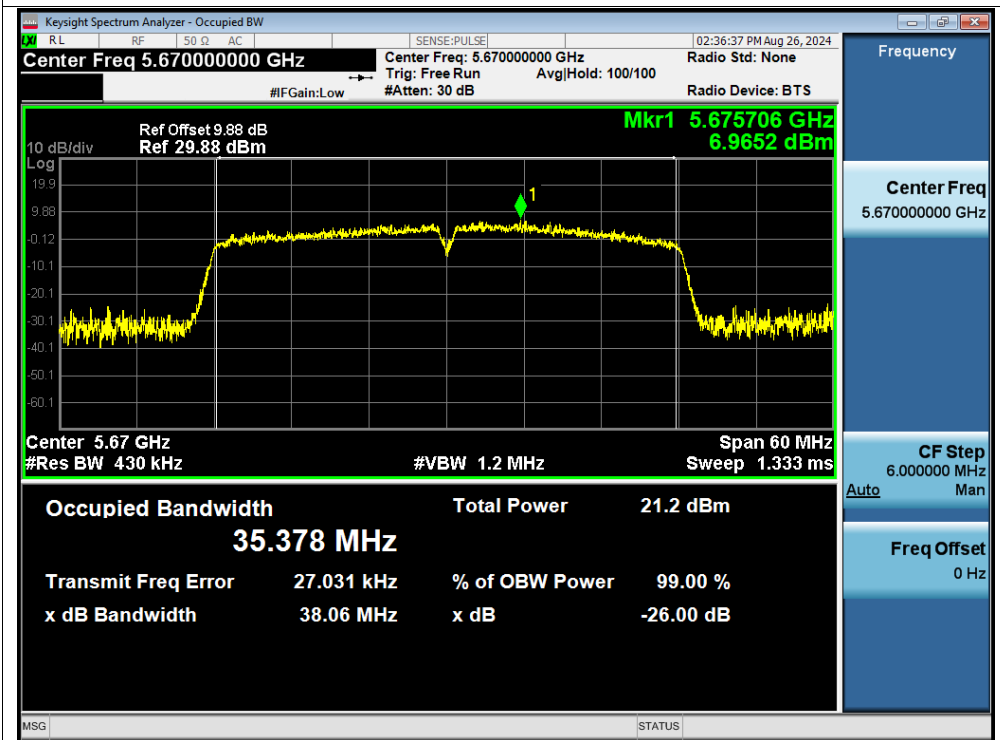
OBW NVNT n40 5510MHz Ant1



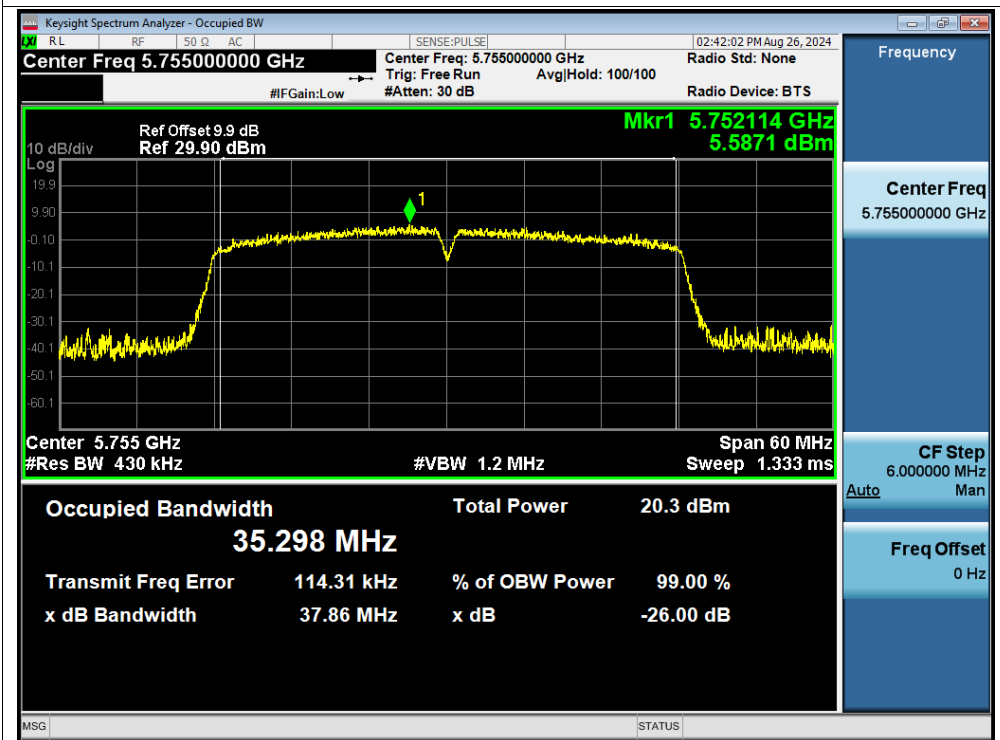
OBW NVNT n40 5590MHz Ant1



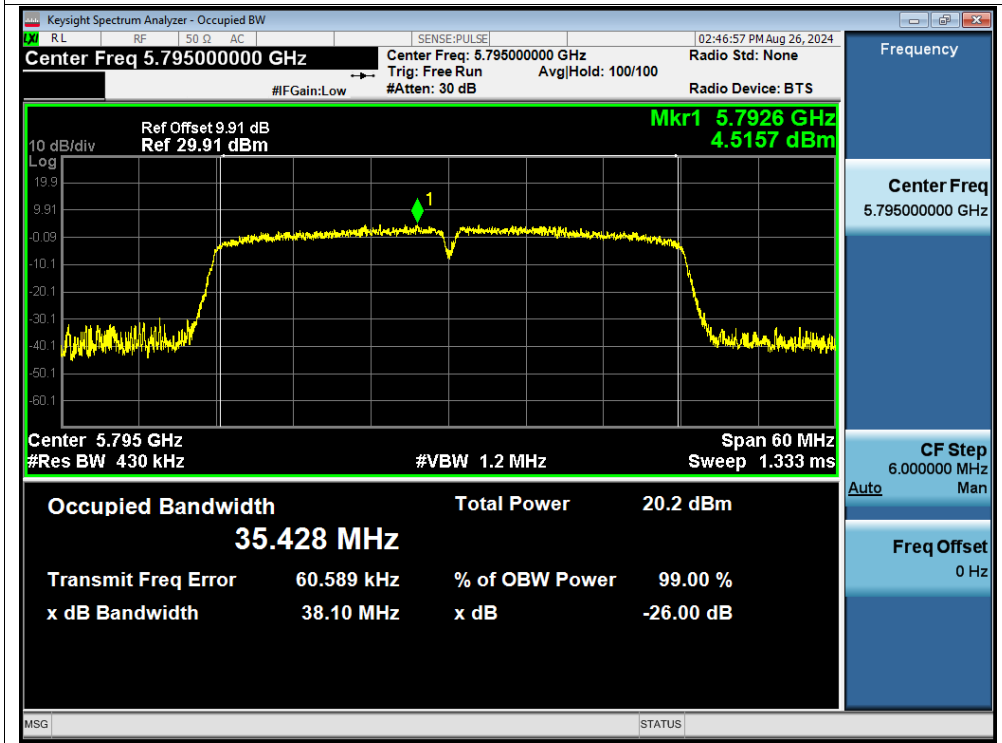
OBW NVNT n40 5670MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1

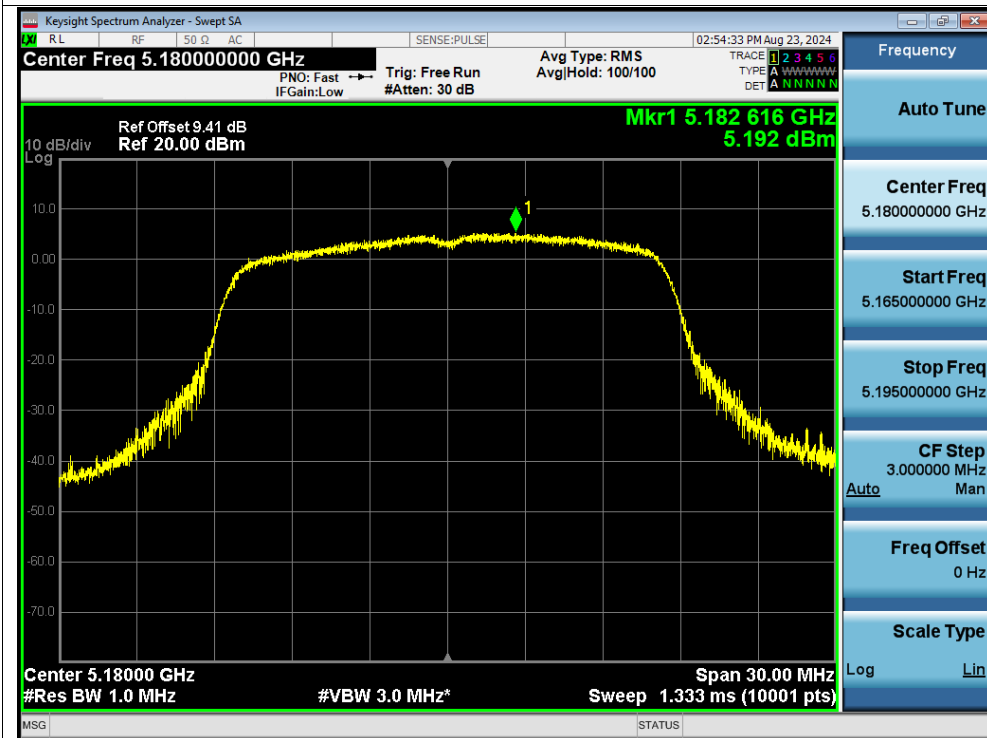


Maximum Power Spectral Density Level

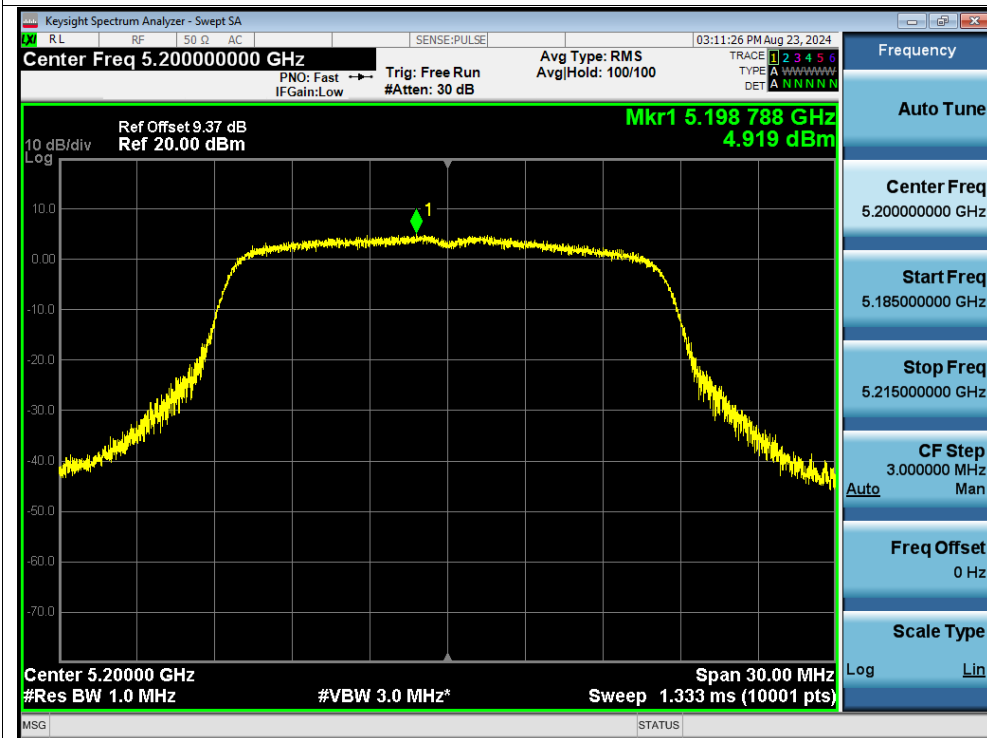
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.19	0.36	5.55	11	Pass
NVNT	a	5200	Ant1	4.92	0.28	5.2	11	Pass
NVNT	a	5240	Ant1	4.46	0.3	4.76	11	Pass
NVNT	a	5260	Ant1	5.58	0.28	5.86	11	Pass
NVNT	a	5300	Ant1	4.72	0.27	4.99	11	Pass
NVNT	a	5320	Ant1	6.47	0.28	6.75	11	Pass
NVNT	a	5500	Ant1	5.54	0.19	5.73	11	Pass
NVNT	a	5600	Ant1	5.45	0.42	5.87	11	Pass
NVNT	a	5700	Ant1	5.54	0.36	5.9	11	Pass
NVNT	a	5745	Ant1	2.78	0.44	3.22	30	Pass
NVNT	a	5785	Ant1	2.35	0.3	2.65	30	Pass
NVNT	a	5825	Ant1	1.45	0.3	1.75	30	Pass
NVNT	n20	5180	Ant1	3.96	0.23	4.19	11	Pass
NVNT	n20	5200	Ant1	4.01	0.34	4.35	11	Pass
NVNT	n20	5240	Ant1	3.38	0.25	3.63	11	Pass
NVNT	n20	5260	Ant1	4.27	0.4	4.67	11	Pass
NVNT	n20	5300	Ant1	3.28	0.42	3.7	11	Pass
NVNT	n20	5320	Ant1	5.46	0.38	5.84	11	Pass
NVNT	n20	5500	Ant1	4.24	0.45	4.69	11	Pass
NVNT	n20	5600	Ant1	4.07	0.27	4.34	11	Pass
NVNT	n20	5700	Ant1	5.29	0.49	5.78	11	Pass
NVNT	n20	5745	Ant1	1.33	0.21	1.54	30	Pass
NVNT	n20	5785	Ant1	1.04	0.34	1.38	30	Pass
NVNT	n20	5825	Ant1	-0.17	0.38	0.21	30	Pass
NVNT	n40	5190	Ant1	2.16	0.42	2.58	11	Pass
NVNT	n40	5230	Ant1	1.22	0.42	1.64	11	Pass
NVNT	n40	5270	Ant1	0.65	0.64	1.29	11	Pass
NVNT	n40	5310	Ant1	1.33	0.78	2.11	11	Pass
NVNT	n40	5510	Ant1	3.16	0.95	4.11	11	Pass
NVNT	n40	5590	Ant1	2.41	0.84	3.25	11	Pass
NVNT	n40	5670	Ant1	2.71	0.88	3.59	11	Pass
NVNT	n40	5755	Ant1	-0.95	0.88	-0.07	30	Pass
NVNT	n40	5795	Ant1	-2.11	9.03	6.92	30	Pass

Test Graphs

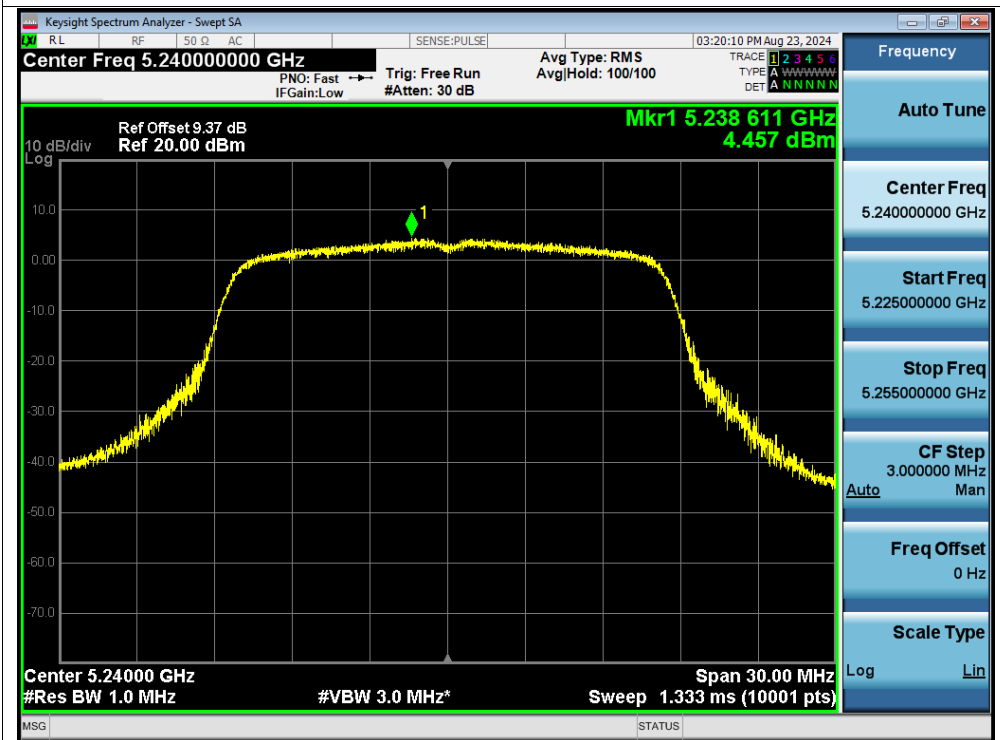
PSD NVNT a 5180MHz Ant1



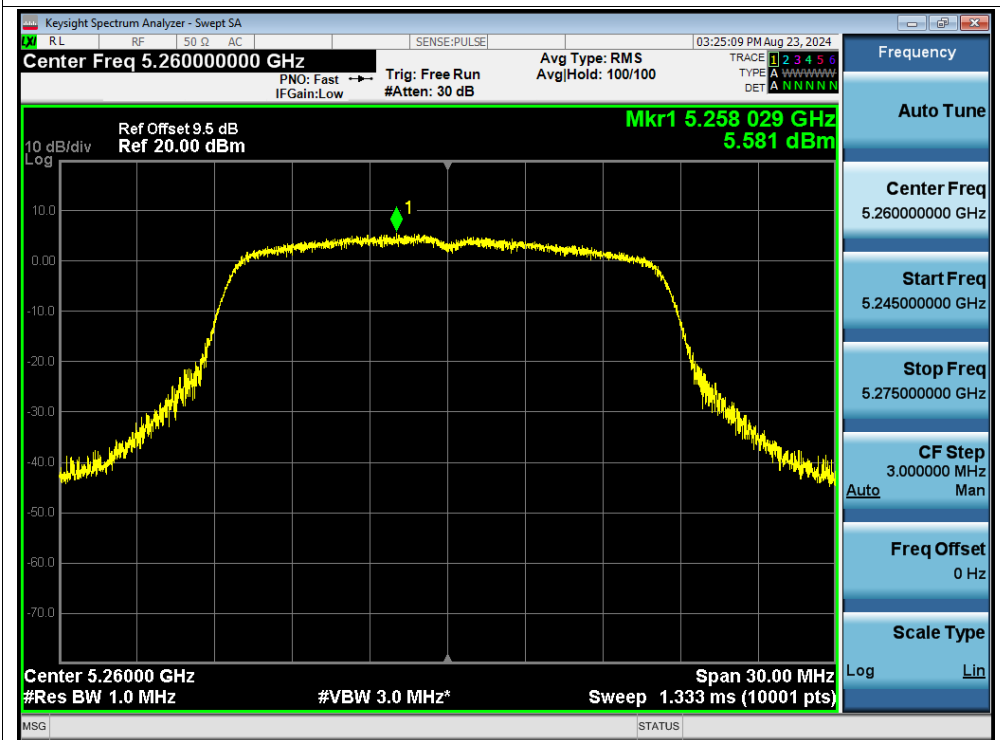
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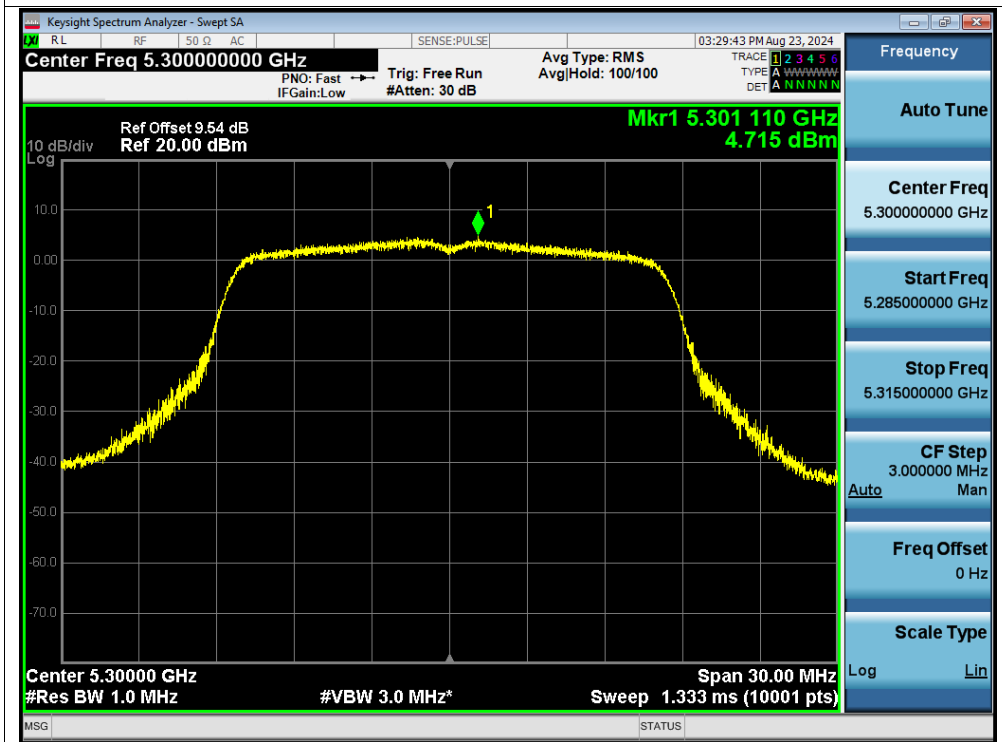
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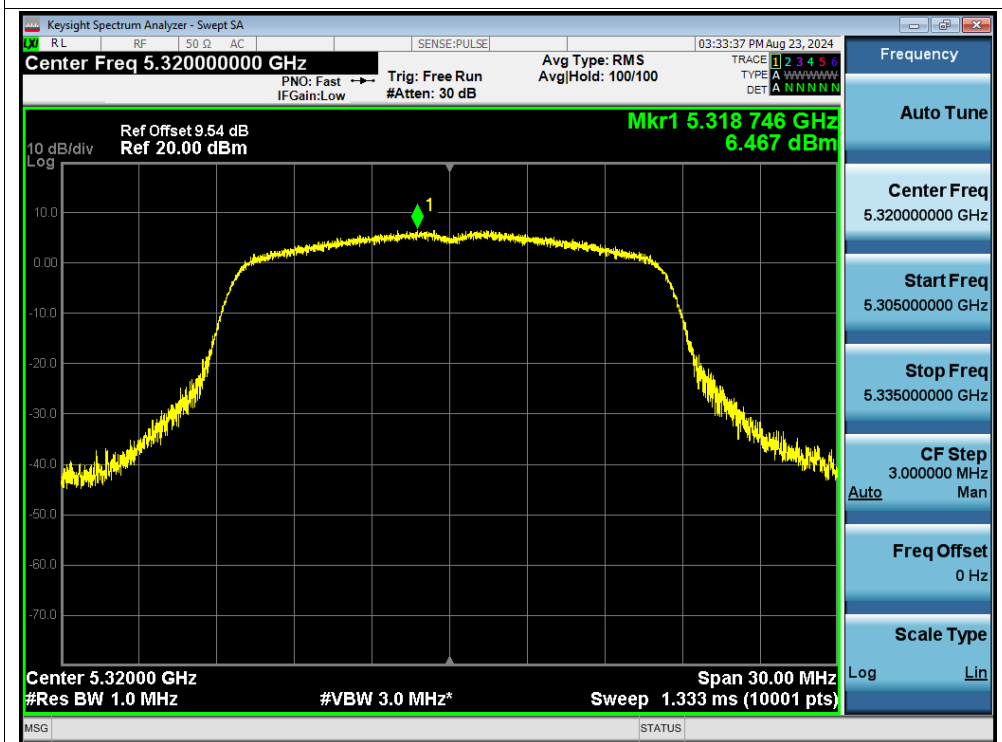
PSD NVNT a 5260MHz Ant1



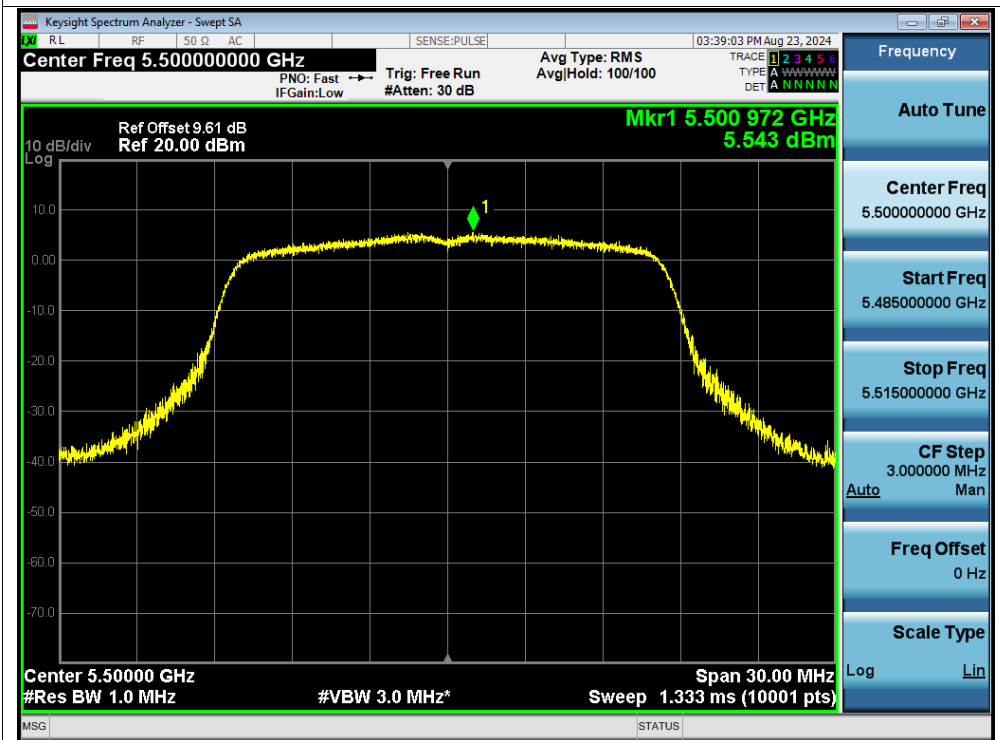
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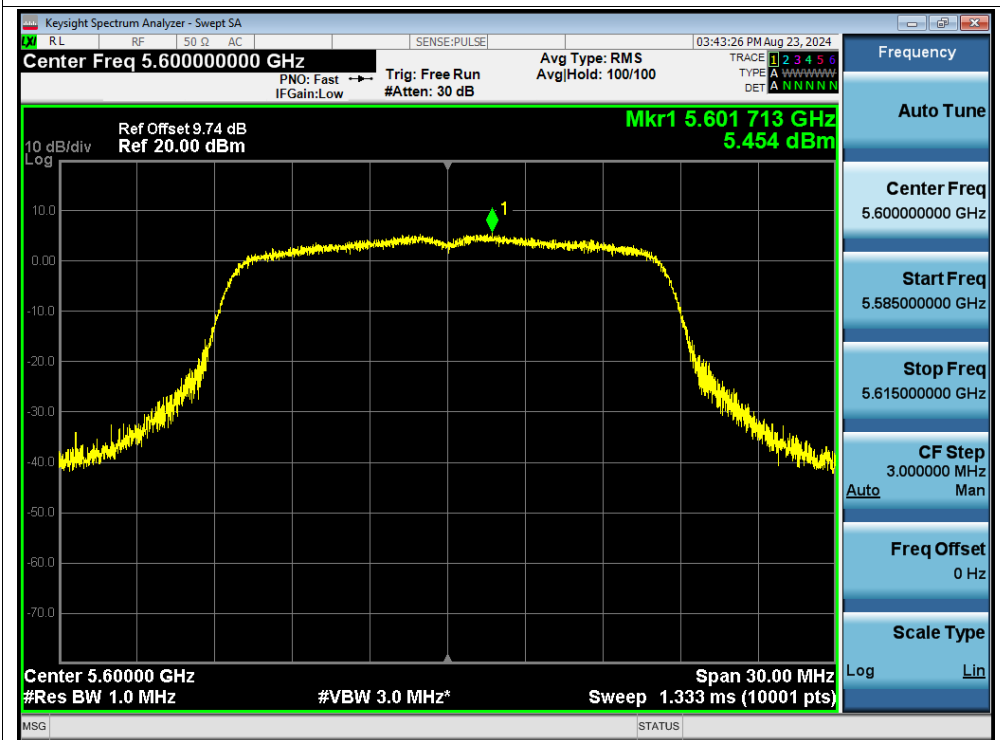
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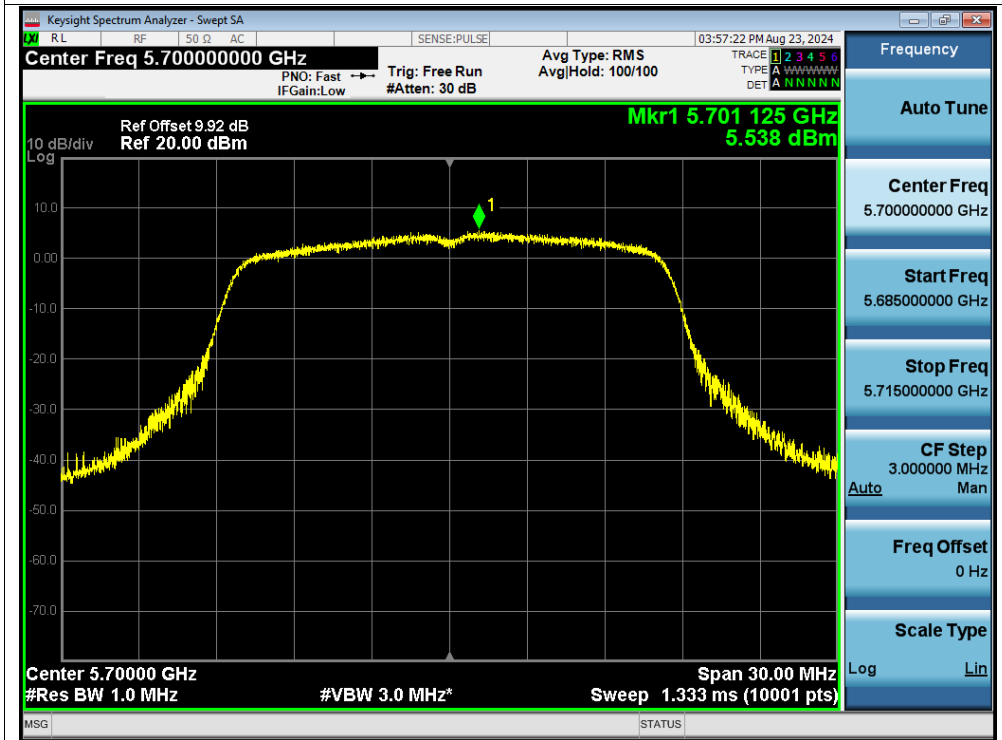
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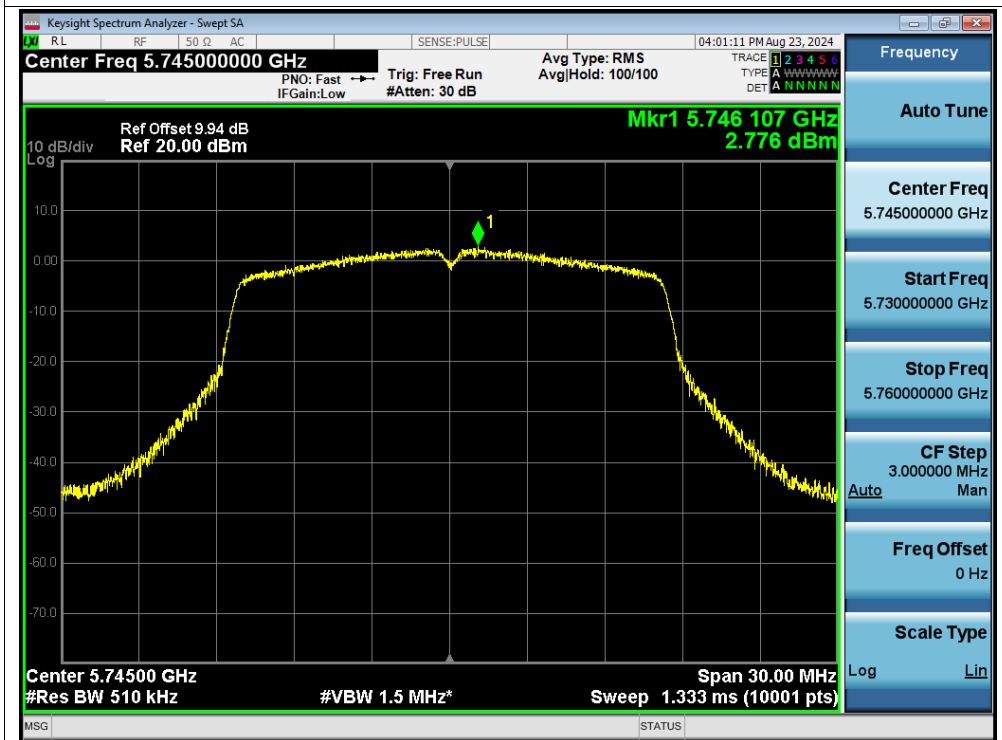
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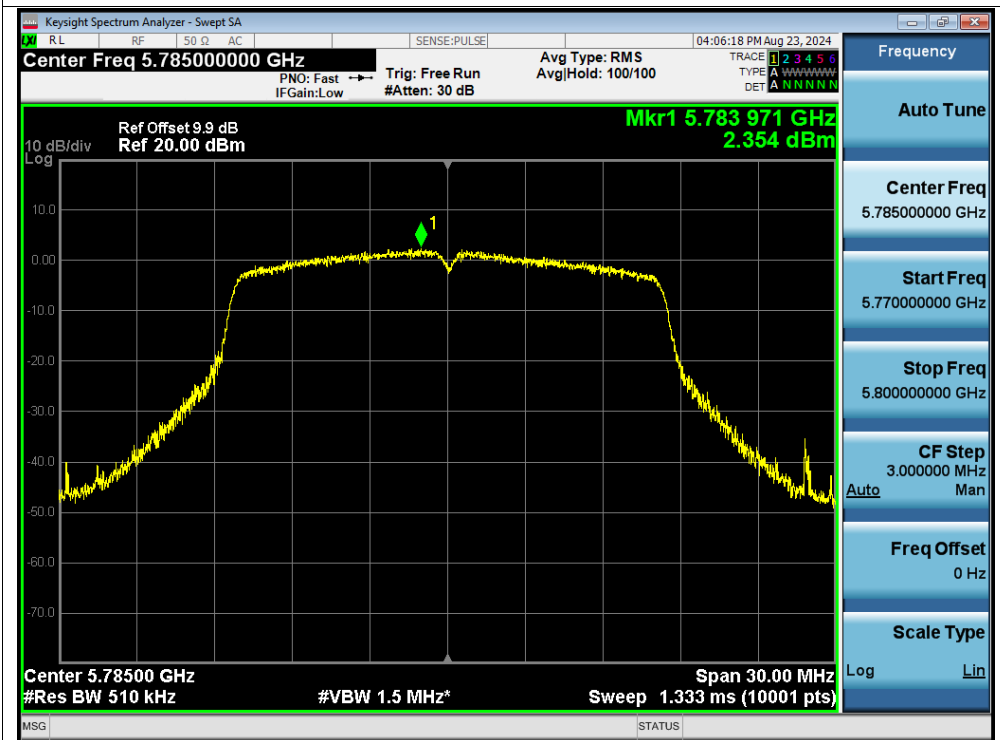
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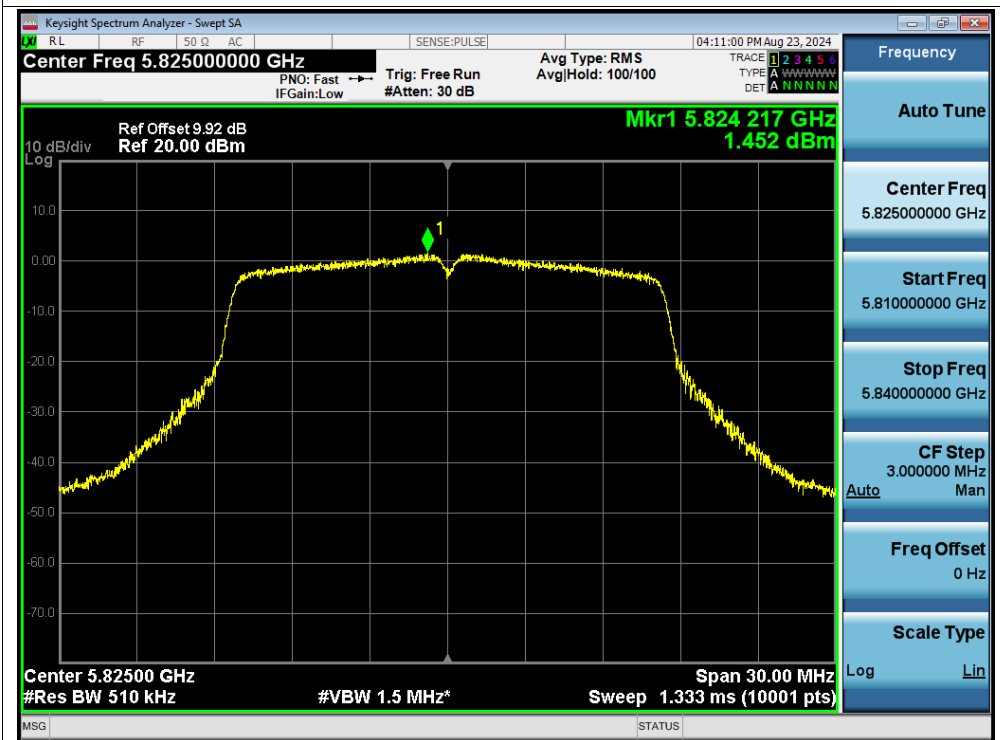
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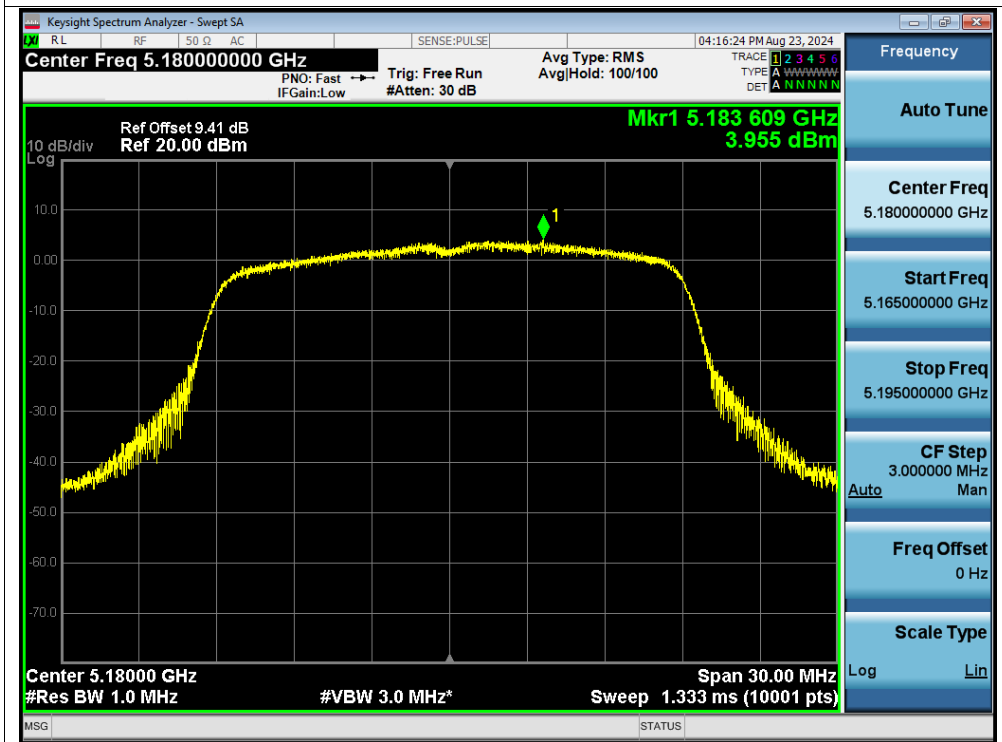
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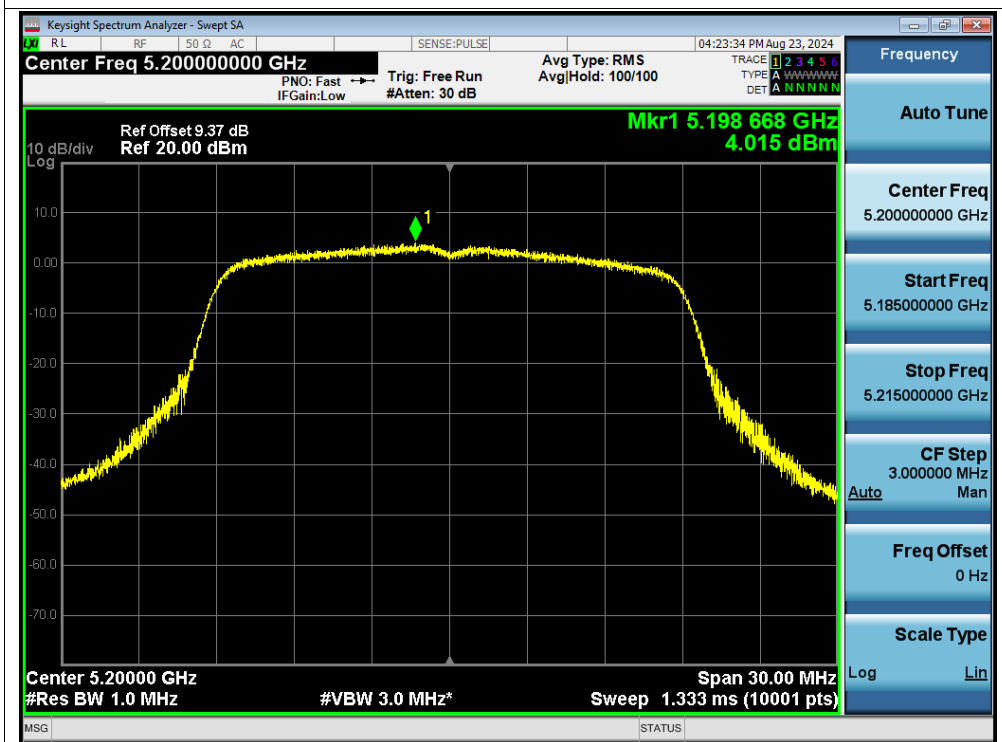
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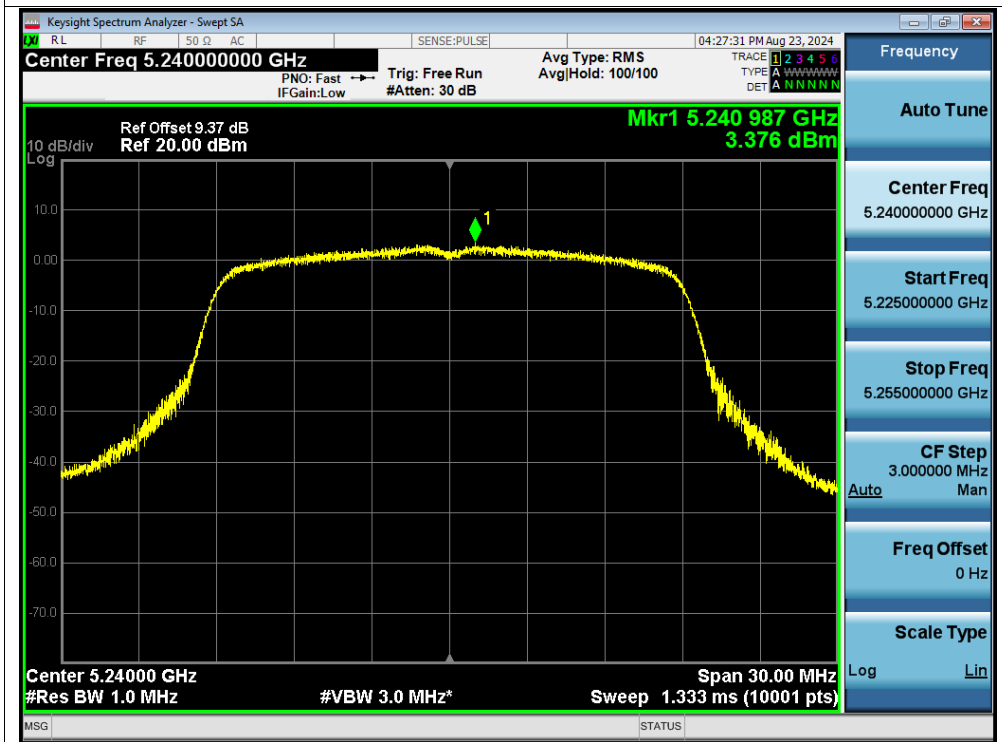
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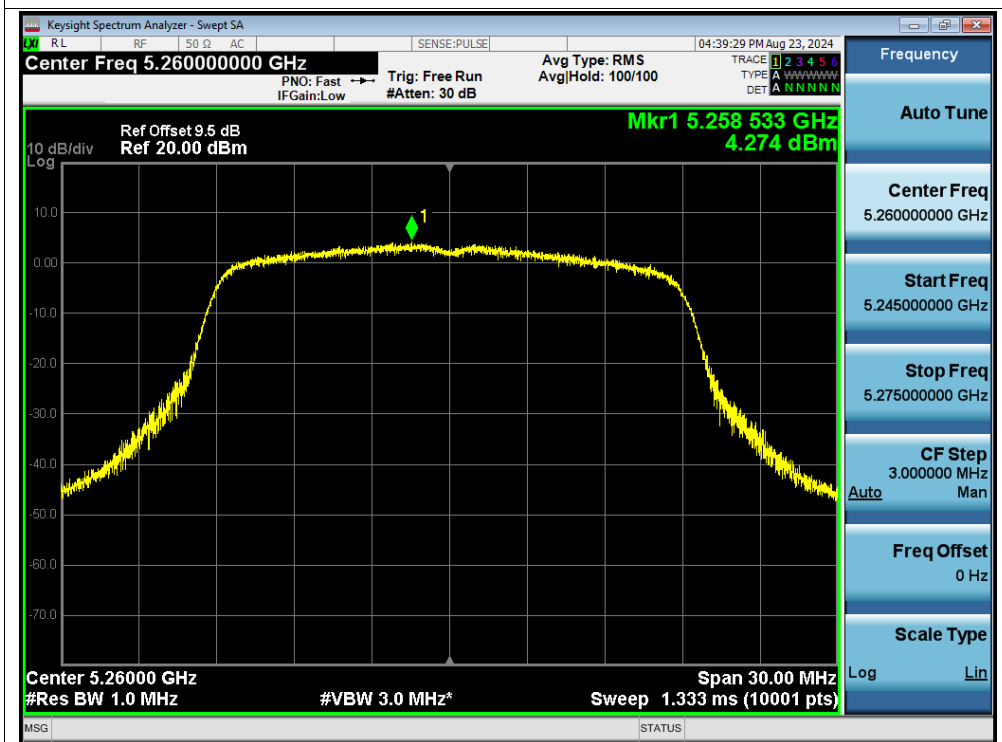
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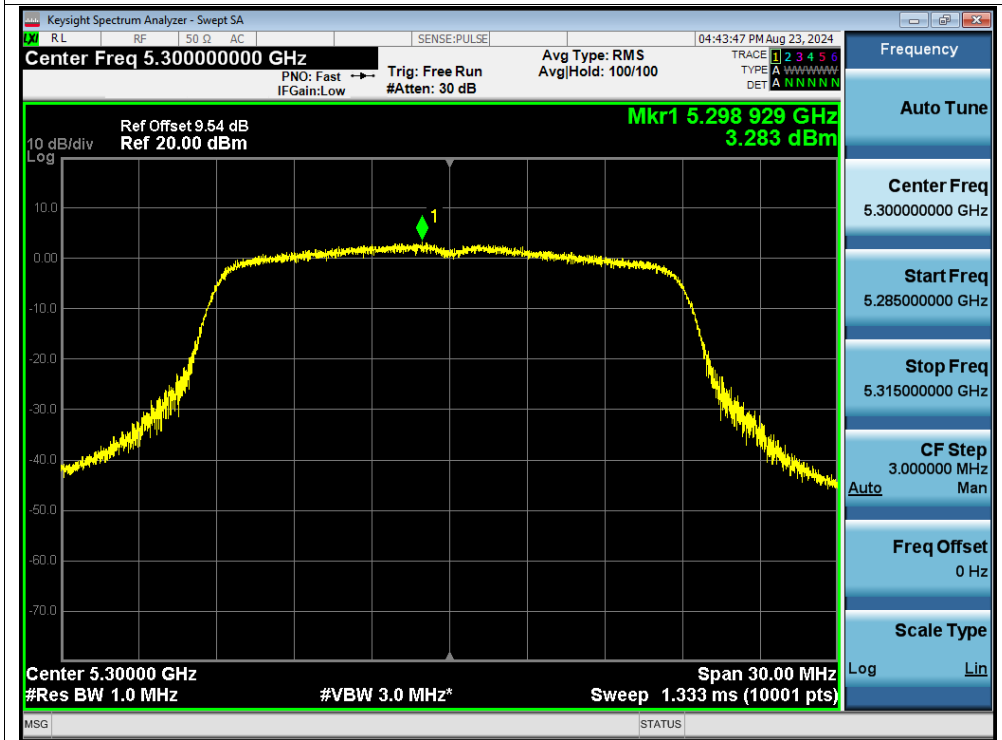
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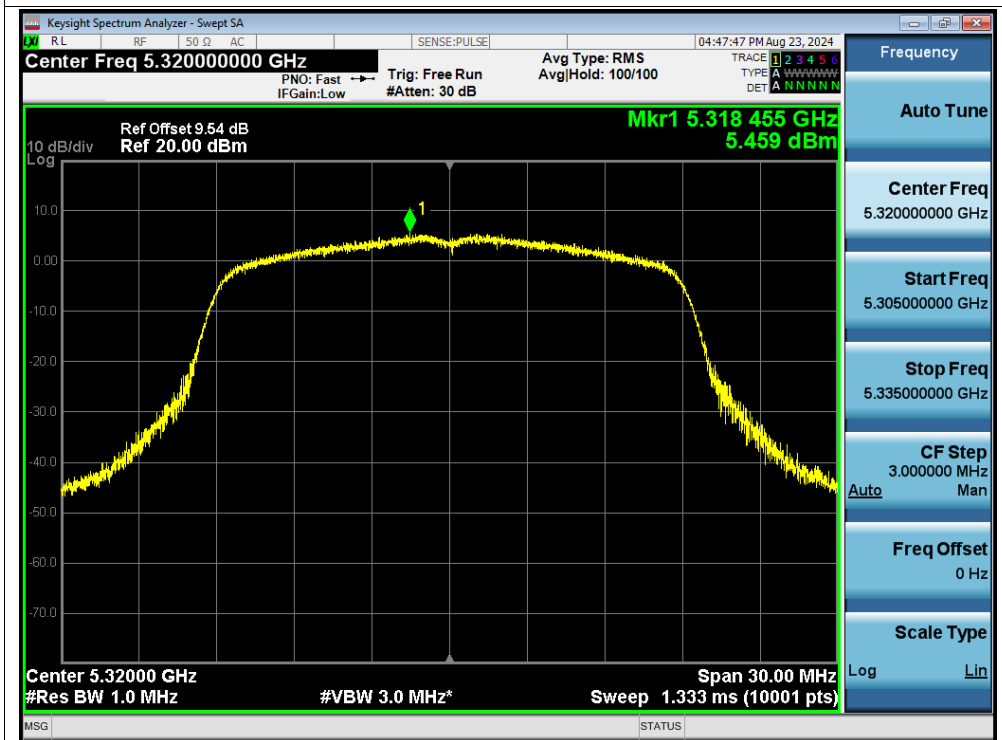
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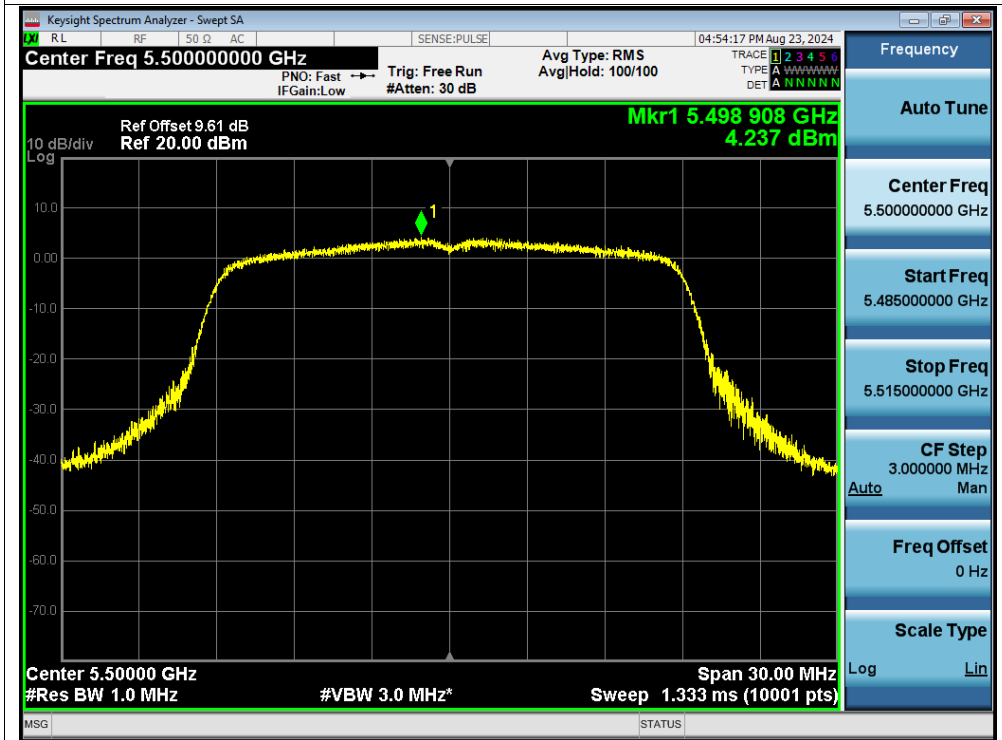
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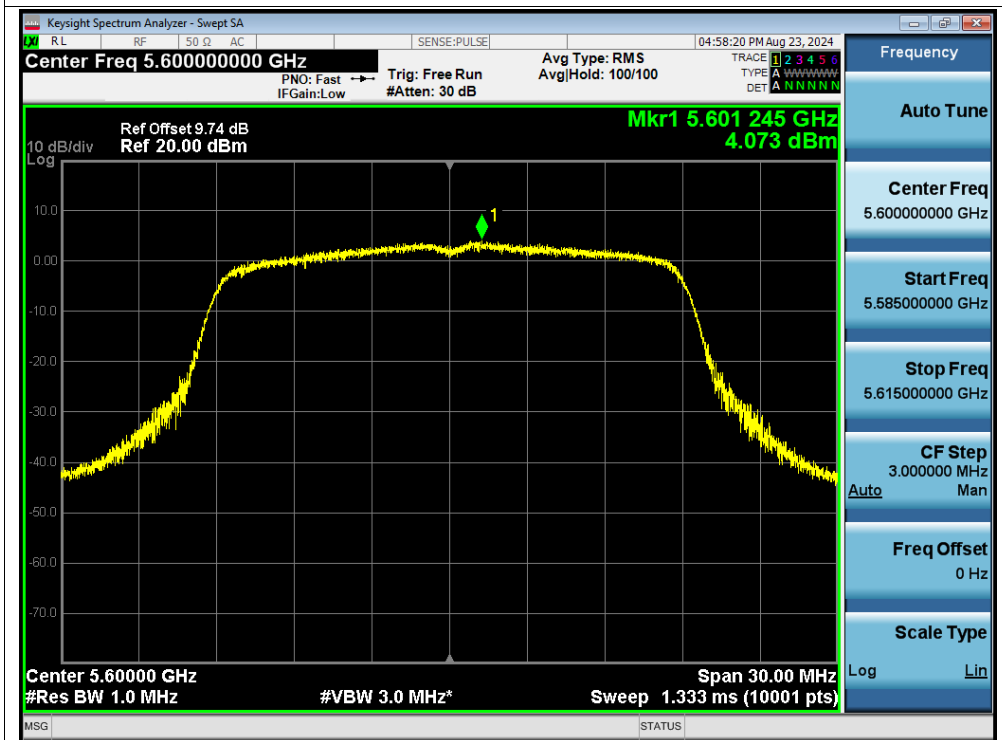
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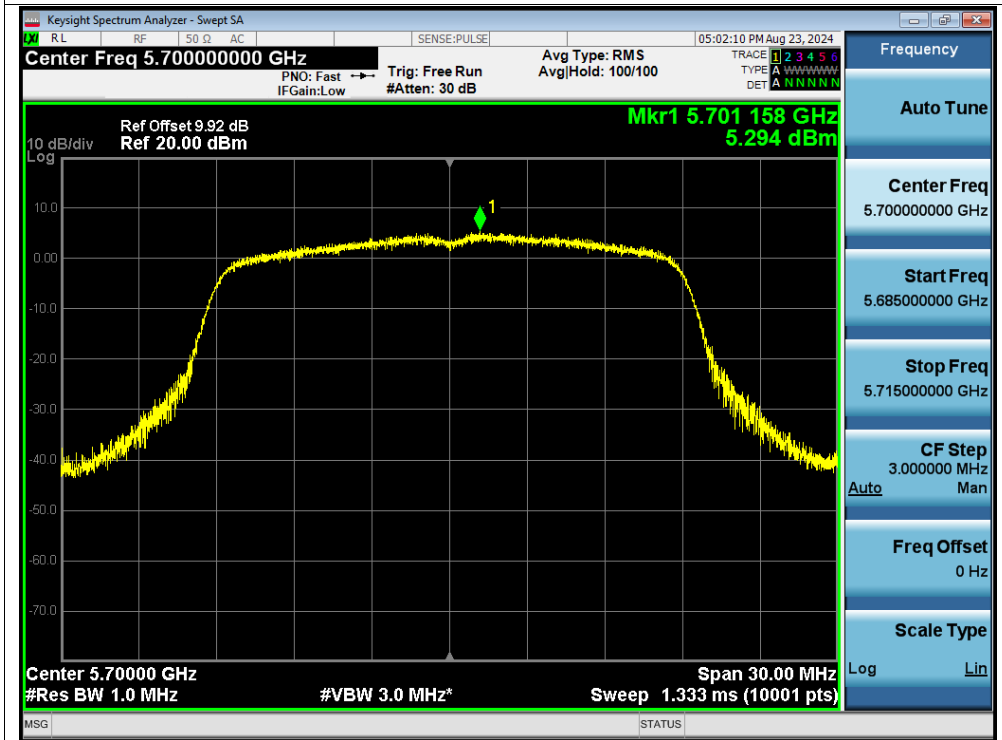
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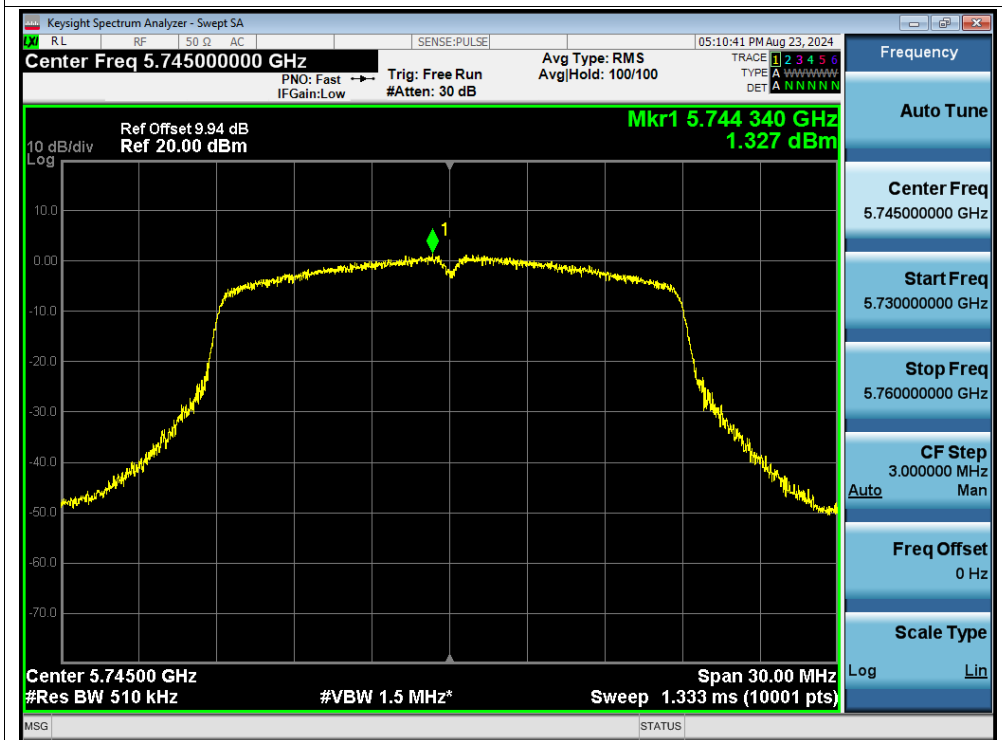
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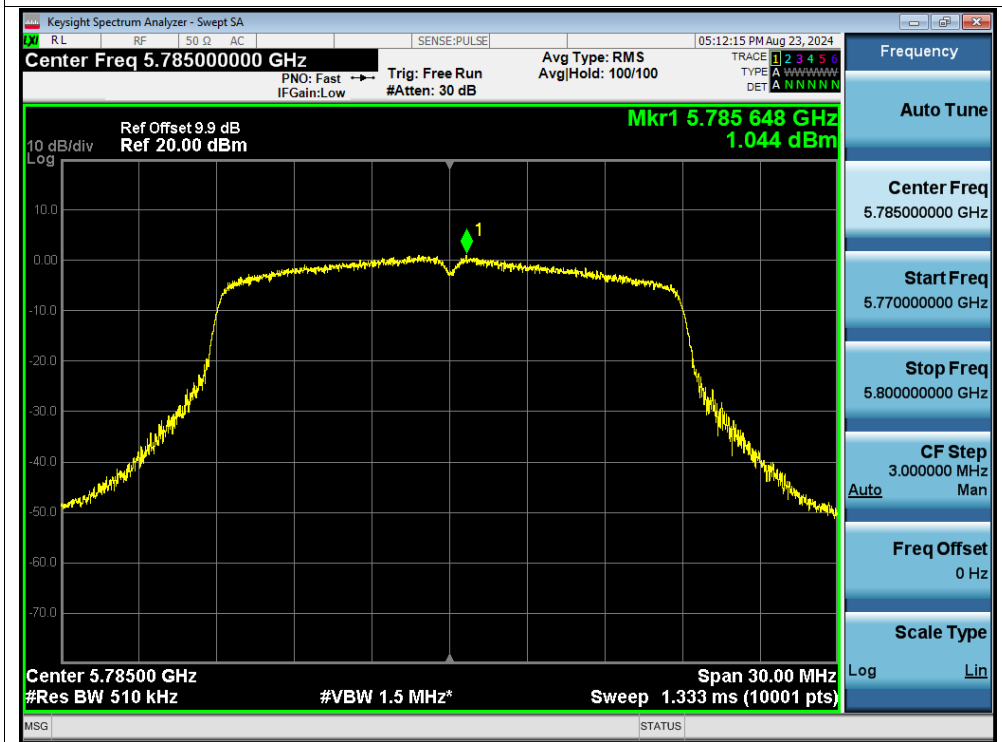
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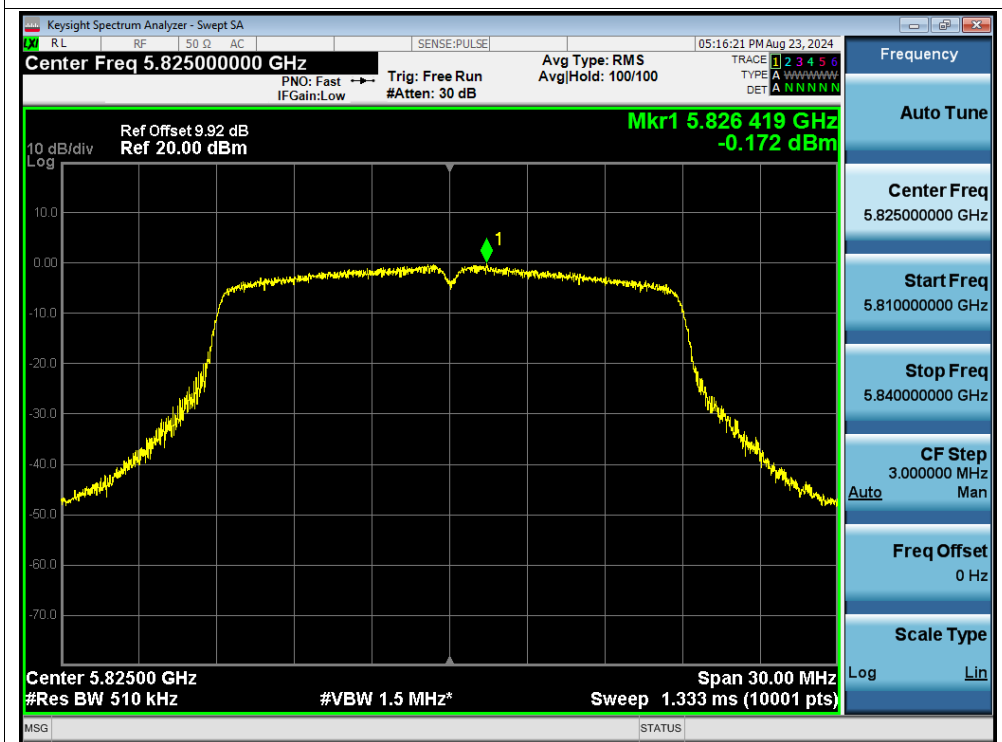
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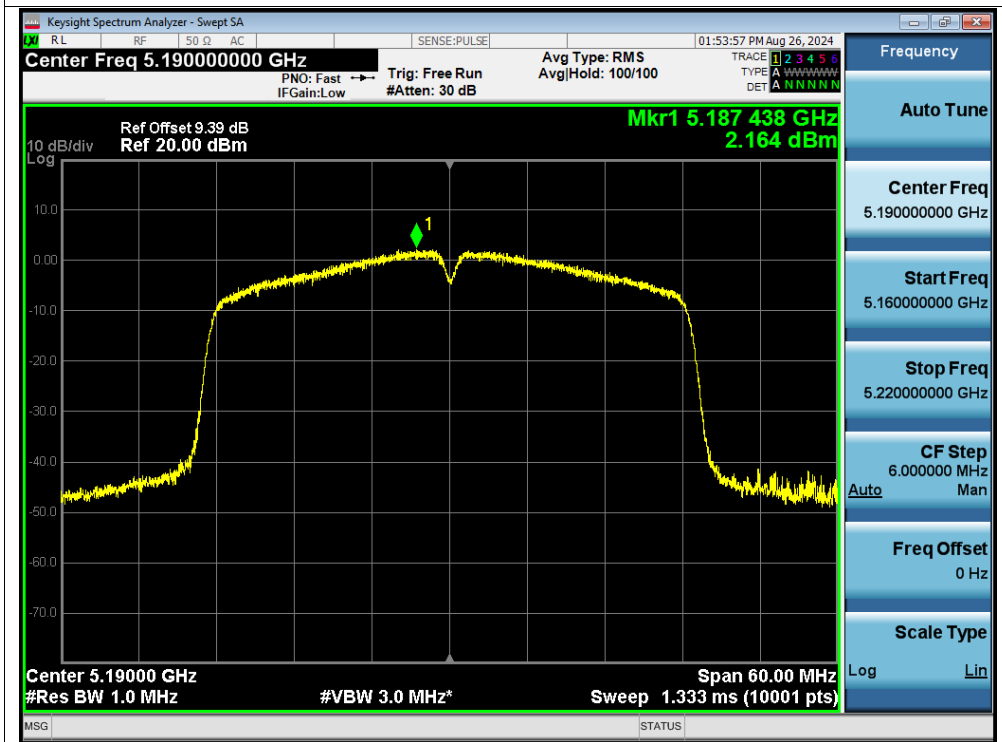
PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

