

Appendix D1

7.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	95.18	0.21	0.49
NVNT	a	5200	Ant1	96.81	0.14	0.49
NVNT	a	5240	Ant1	95.58	0.2	0.49
NVNT	n20	5180	Ant1	91.94	0.36	0.53
NVNT	n20	5200	Ant1	95.7	0.19	0.53
NVNT	n20	5240	Ant1	94	0.27	0.53
NVNT	n40	5190	Ant1	86.32	0.64	1.07
NVNT	n40	5230	Ant1	86.31	0.64	1.07
NVNT	ac20	5180	Ant1	92.78	0.33	0.53
NVNT	ac20	5200	Ant1	95.29	0.21	0.53
NVNT	ac20	5240	Ant1	90.22	0.45	0.53
NVNT	ac40	5190	Ant1	84.96	0.71	1.07
NVNT	ac40	5230	Ant1	85.66	0.67	1.07
NVNT	ax20	5180	Ant1	94.42	0.25	0.69
NVNT	ax20	5200	Ant1	97.33	0.12	0.69
NVNT	ax20	5240	Ant1	92.33	0.35	0.69
NVNT	ax40	5190	Ant1	81.86	0.87	1.34
NVNT	ax40	5230	Ant1	79.26	1.01	1.34

7.2 26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	28.134	0.5	Pass
NVNT	a	5200	Ant1	24.764	0.5	Pass
NVNT	a	5240	Ant1	24.617	0.5	Pass
NVNT	n20	5180	Ant1	28.468	0.5	Pass
NVNT	n20	5200	Ant1	25.493	0.5	Pass
NVNT	n20	5240	Ant1	25.311	0.5	Pass
NVNT	n40	5190	Ant1	44.816	0.5	Pass
NVNT	n40	5230	Ant1	45.329	0.5	Pass
NVNT	ac20	5180	Ant1	28.575	0.5	Pass
NVNT	ac20	5200	Ant1	25.672	0.5	Pass
NVNT	ac20	5240	Ant1	25.962	0.5	Pass
NVNT	ac40	5190	Ant1	45.303	0.5	Pass
NVNT	ac40	5230	Ant1	43.971	0.5	Pass
NVNT	ax20	5180	Ant1	25.267	0.5	Pass
NVNT	ax20	5200	Ant1	23.79	0.5	Pass
NVNT	ax20	5240	Ant1	25.091	0.5	Pass
NVNT	ax40	5190	Ant1	44.238	0.5	Pass
NVNT	ax40	5230	Ant1	43.101	0.5	Pass

Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant1



-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.85
NVNT	a	5200	Ant1	16.628
NVNT	a	5240	Ant1	16.595
NVNT	n20	5180	Ant1	18.101
NVNT	n20	5200	Ant1	17.882
NVNT	n20	5240	Ant1	17.86
NVNT	n40	5190	Ant1	36.496
NVNT	n40	5230	Ant1	36.441
NVNT	ac20	5180	Ant1	18.146
NVNT	ac20	5200	Ant1	17.876
NVNT	ac20	5240	Ant1	17.885
NVNT	ac40	5190	Ant1	36.47
NVNT	ac40	5230	Ant1	36.451
NVNT	ax20	5180	Ant1	19.163
NVNT	ax20	5200	Ant1	19.031
NVNT	ax20	5240	Ant1	19.031
NVNT	ax40	5190	Ant1	37.912
NVNT	ax40	5230	Ant1	37.898

Test Graphs

OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1



OBW NVNT a 5240MHz Ant1



OBW NVNT n20 5180MHz Ant1



OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1



OBW NVNT ac20 5180MHz Ant1



OBW NVNT ac20 5200MHz Ant1



OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1



OBW NVNT ax20 5180MHz Ant1



OBW NVNT ax20 5200MHz Ant1



OBW NVNT ax20 5240MHz Ant1



OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1

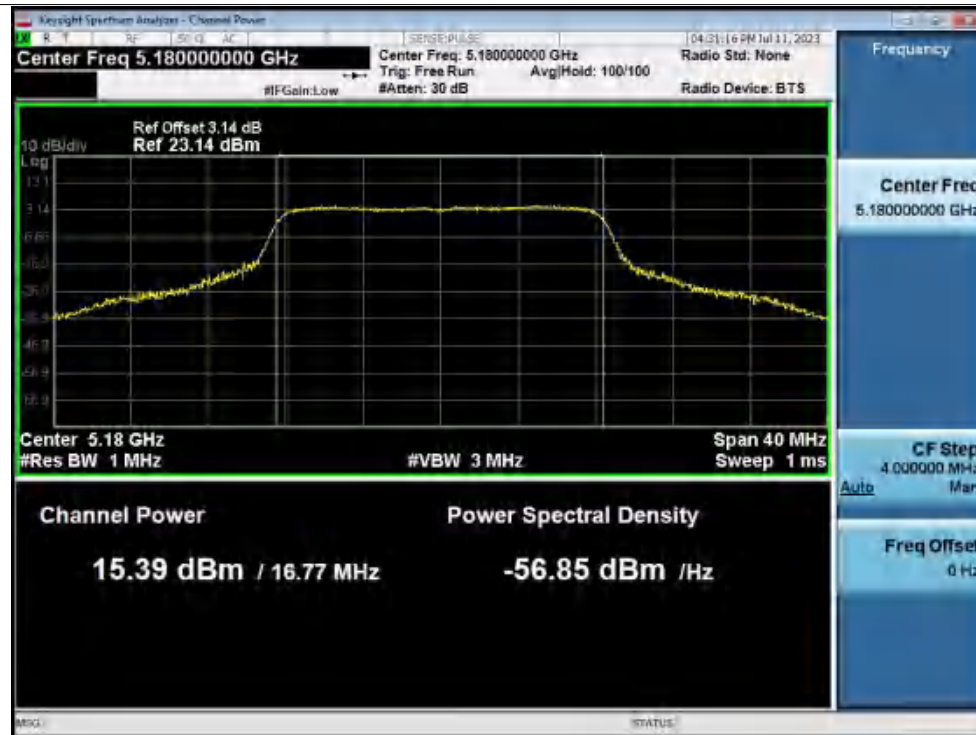


7.3 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	E.I.R.P (dBm)	E.I.R.P Limit (dBm)	Verdict
NVNT	a	5180	Ant1	15.39	0.2	15.59	24	20.43	<=30	Pass
NVNT	a	5200	Ant1	15.8	0	15.8	24	20.64	<=30	Pass
NVNT	a	5240	Ant1	15.46	0	15.46	24	20.30	<=30	Pass
NVNT	n20	5180	Ant1	11.19	0	11.19	24	16.03	<=30	Pass
NVNT	n20	5200	Ant1	12.79	0.19	12.98	24	17.82	<=30	Pass
NVNT	n20	5240	Ant1	13.25	0.27	13.52	24	18.36	<=30	Pass
NVNT	n40	5190	Ant1	11.92	0.64	12.56	24	17.40	<=30	Pass
NVNT	n40	5230	Ant1	12.51	0.64	13.15	24	17.99	<=30	Pass
NVNT	ac20	5180	Ant1	10.87	0.33	11.2	24	16.04	<=30	Pass
NVNT	ac20	5200	Ant1	12.94	0.21	13.15	24	17.99	<=30	Pass
NVNT	ac20	5240	Ant1	13.2	0.45	13.65	24	18.49	<=30	Pass
NVNT	ac40	5190	Ant1	11.78	0.67	12.45	24	17.29	<=30	Pass
NVNT	ac40	5230	Ant1	12.53	0.67	13.2	24	18.04	<=30	Pass
NVNT	ax20	5180	Ant1	11.04	0.25	11.29	24	16.13	<=30	Pass
NVNT	ax20	5200	Ant1	12.8	0.12	12.92	24	17.76	<=30	Pass
NVNT	ax20	5240	Ant1	13.12	0.2	13.32	24	18.16	<=30	Pass
NVNT	ax40	5190	Ant1	11.72	0.87	12.59	24	17.43	<=30	Pass
NVNT	ax40	5230	Ant1	12.23	1.01	13.24	24	18.08	<=30	Pass
Note1: Antenna Gain: 4.84dBi;										
Note2: E.I.R.P = Measured Power + Antenna Gain										

Test Graphs

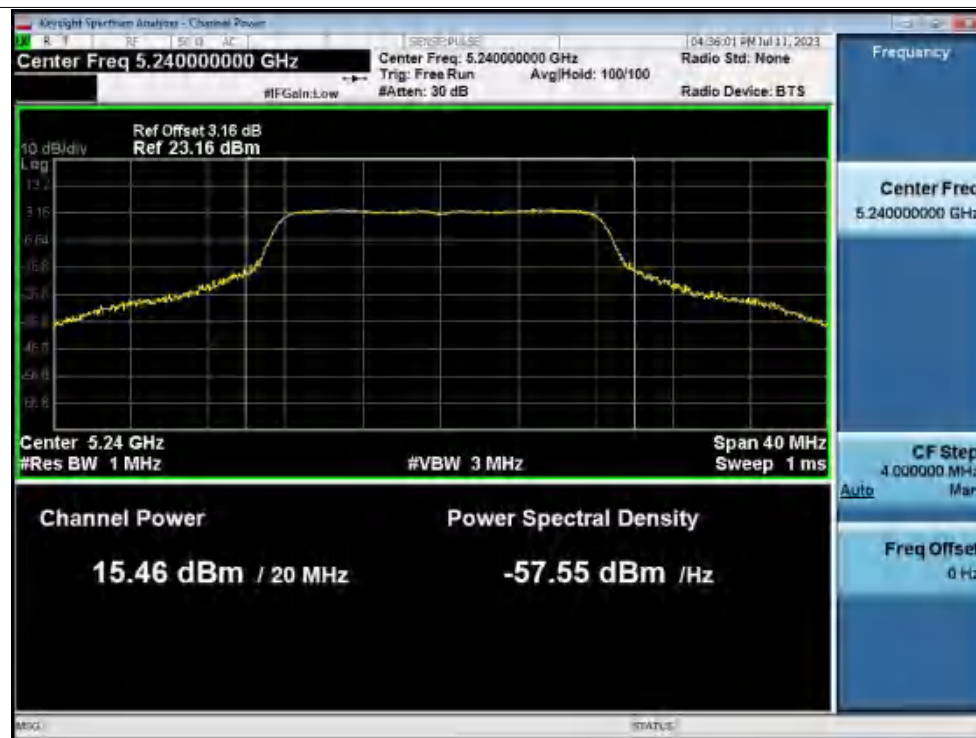
Power NVNT a 5180MHz Ant1



Power NVNT a 5200MHz Ant1



Power NVNT a 5240MHz Ant1



Power NVNT n20 5180MHz Ant1



Power NVNT n20 5200MHz Ant1



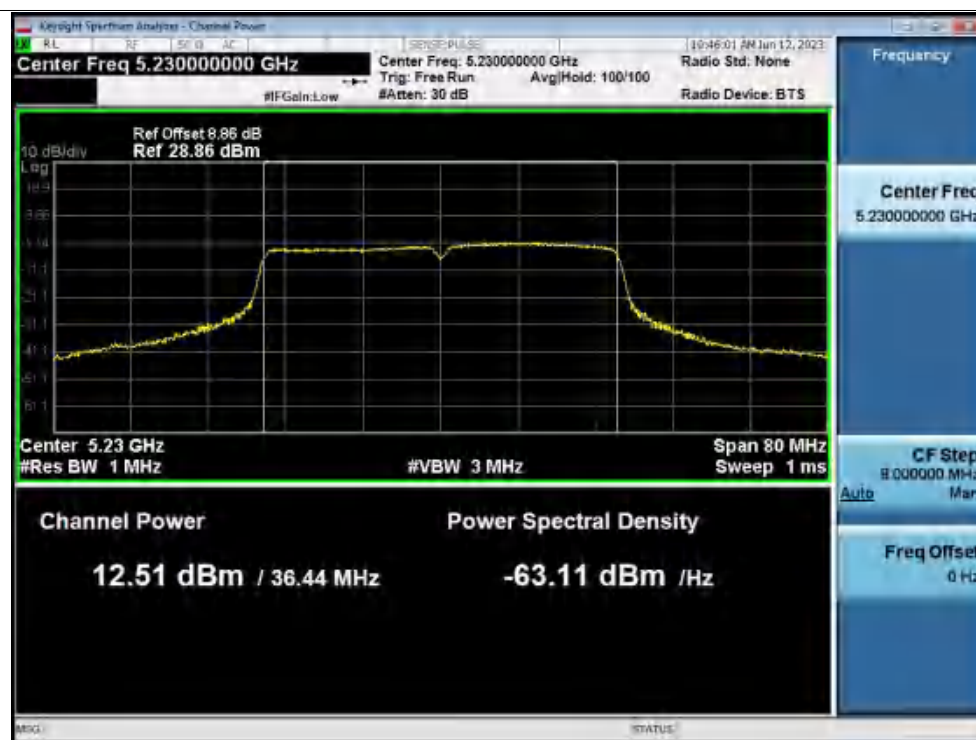
Power NVNT n20 5240MHz Ant1



Power NVNT n40 5190MHz Ant1



Power NVNT n40 5230MHz Ant1



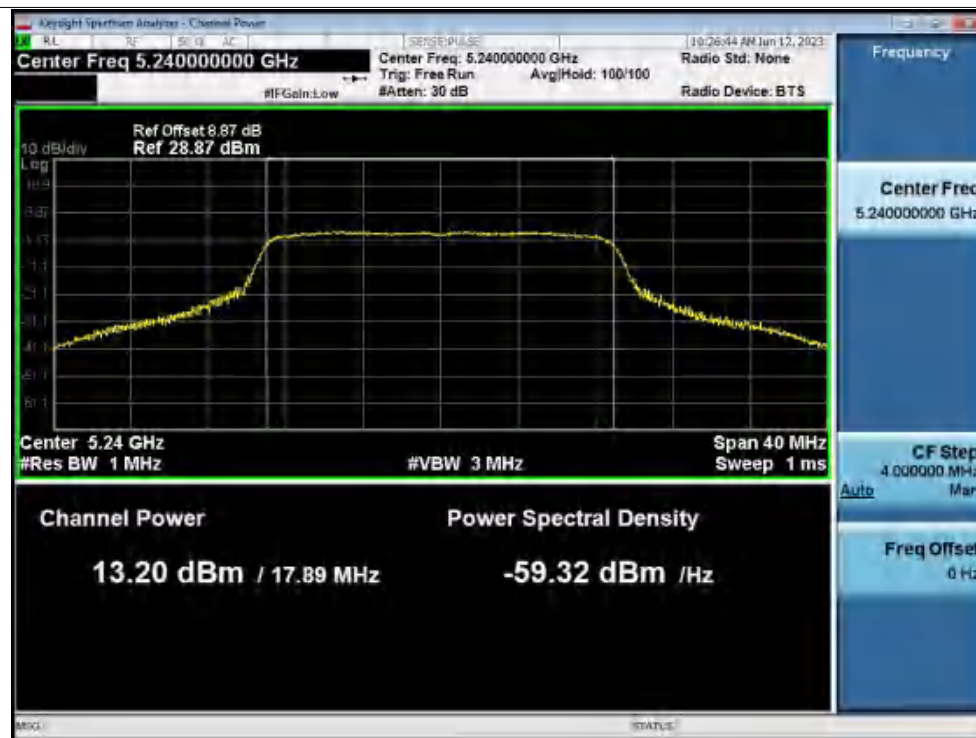
Power NVNT ac20 5180MHz Ant1



Power NVNT ac20 5200MHz Ant1



Power NVNT ac20 5240MHz Ant1



Power NVNT ac40 5190MHz Ant1



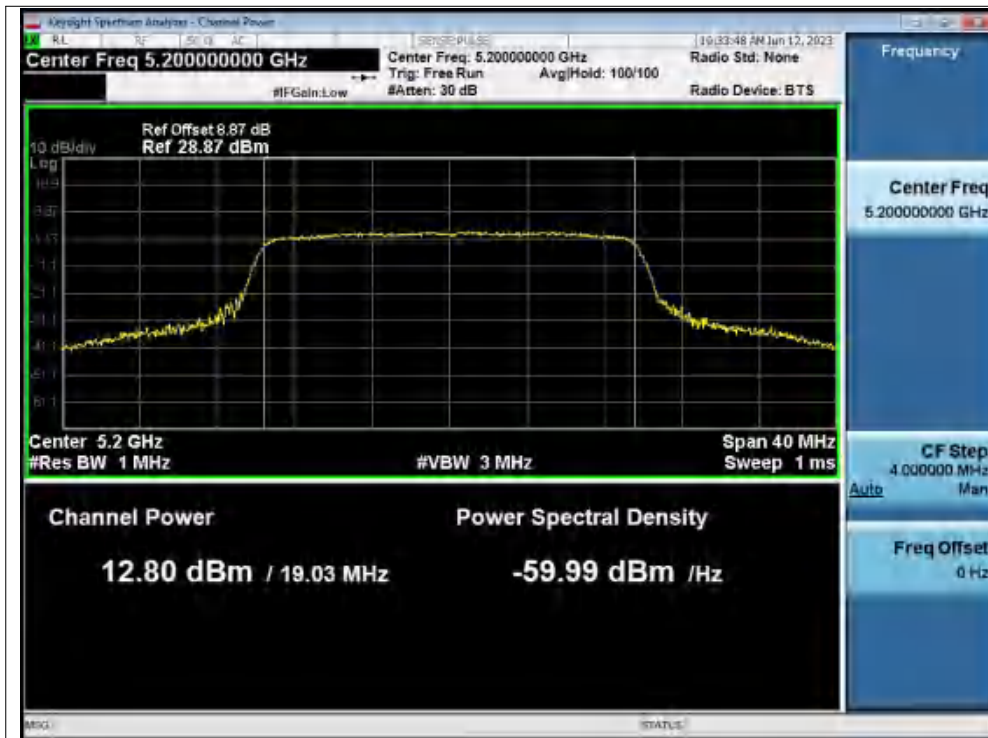
Power NVNT ac40 5230MHz Ant1



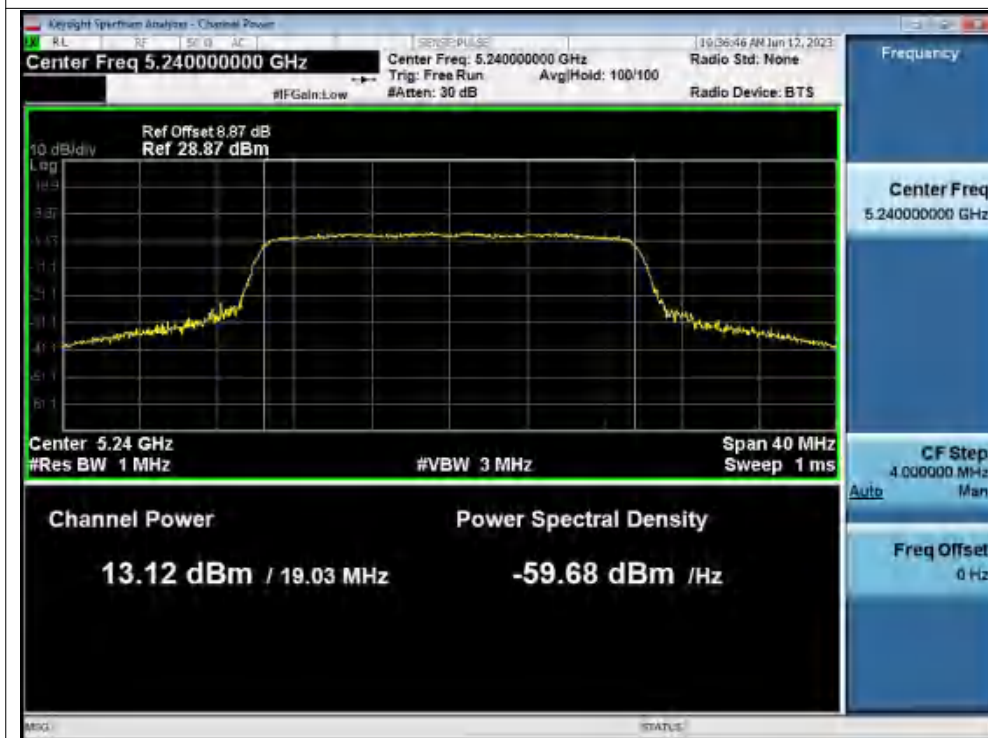
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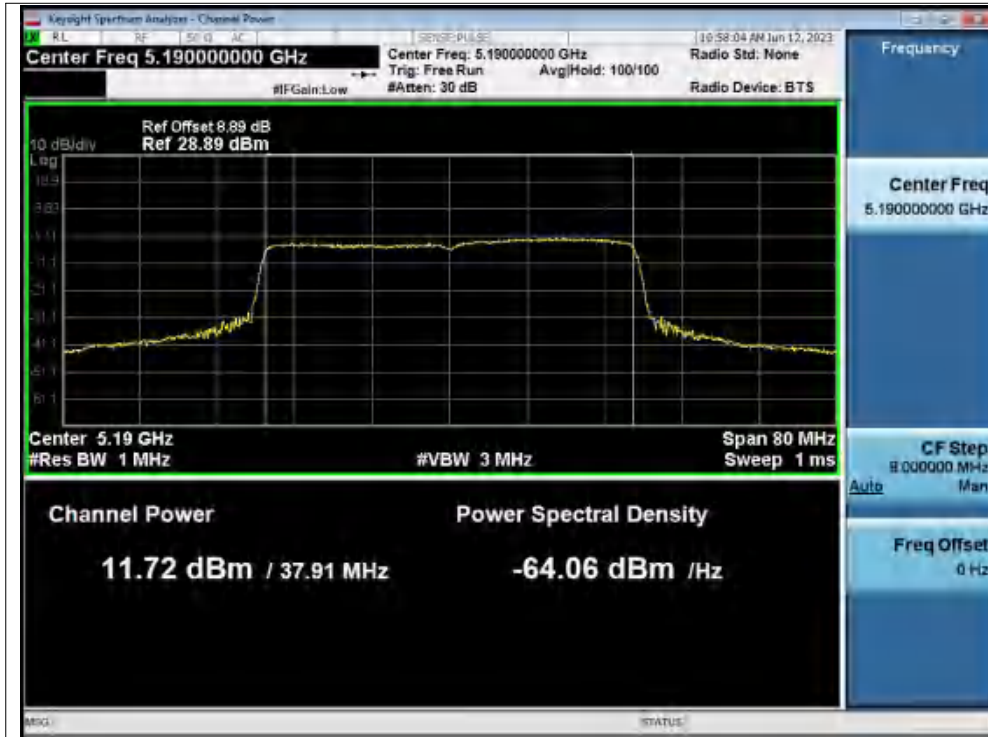
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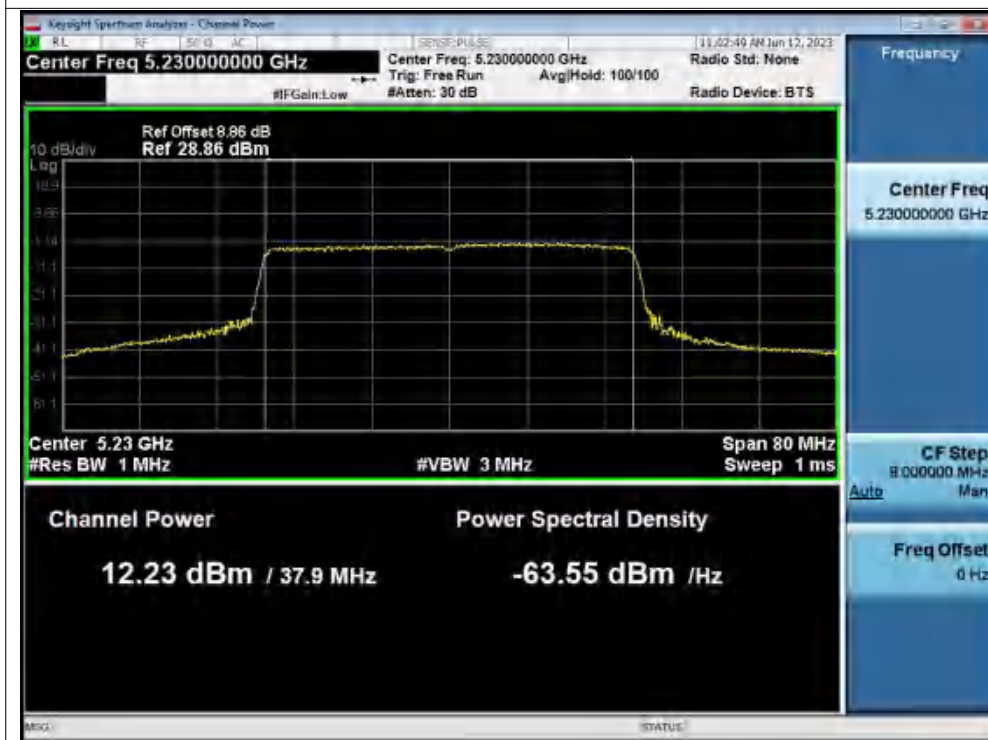
Power NVNT ax20 5240MHz Ant1



Power NVNT ax40 5190MHz Ant1



Power NVNT ax40 5230MHz Ant1

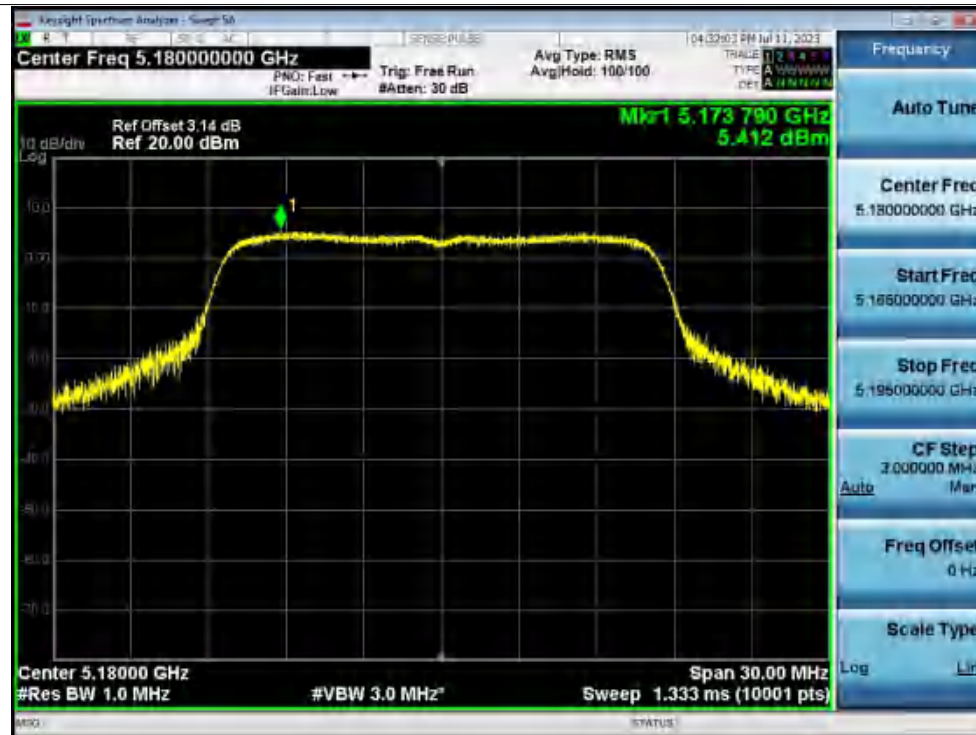


7.4 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.41	0.2	5.61	11	Pass
NVNT	a	5200	Ant1	5.47	0	5.47	11	Pass
NVNT	a	5240	Ant1	5.21	0	5.21	11	Pass
NVNT	n20	5180	Ant1	0.49	0.36	0.85	11	Pass
NVNT	n20	5200	Ant1	2.04	0.19	2.23	11	Pass
NVNT	n20	5240	Ant1	2.89	0.27	3.16	11	Pass
NVNT	n40	5190	Ant1	-1.11	0.64	-0.47	11	Pass
NVNT	n40	5230	Ant1	-0.56	0.64	0.08	11	Pass
NVNT	ac20	5180	Ant1	0.42	0.33	0.75	11	Pass
NVNT	ac20	5200	Ant1	2.2	0.21	2.41	11	Pass
NVNT	ac20	5240	Ant1	2.6	0.45	3.05	11	Pass
NVNT	ac40	5190	Ant1	-1.13	0.67	-0.46	11	Pass
NVNT	ac40	5230	Ant1	-0.62	0.67	0.05	11	Pass
NVNT	ax20	5180	Ant1	0.18	0.25	0.43	11	Pass
NVNT	ax20	5200	Ant1	2.34	0.12	2.46	11	Pass
NVNT	ax20	5240	Ant1	2.65	0.2	2.85	11	Pass
NVNT	ax40	5190	Ant1	-1.31	0.87	-0.44	11	Pass
NVNT	ax40	5230	Ant1	-0.67	1.01	0.34	11	Pass

Test Graphs

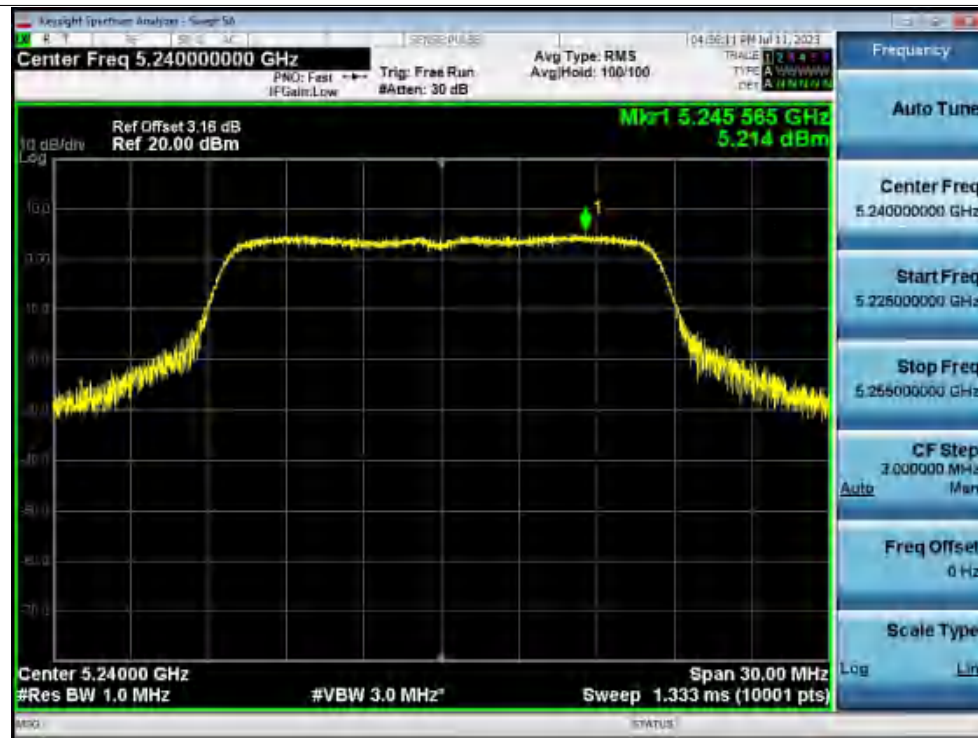
PSD NVNT a 5180MHz Ant1



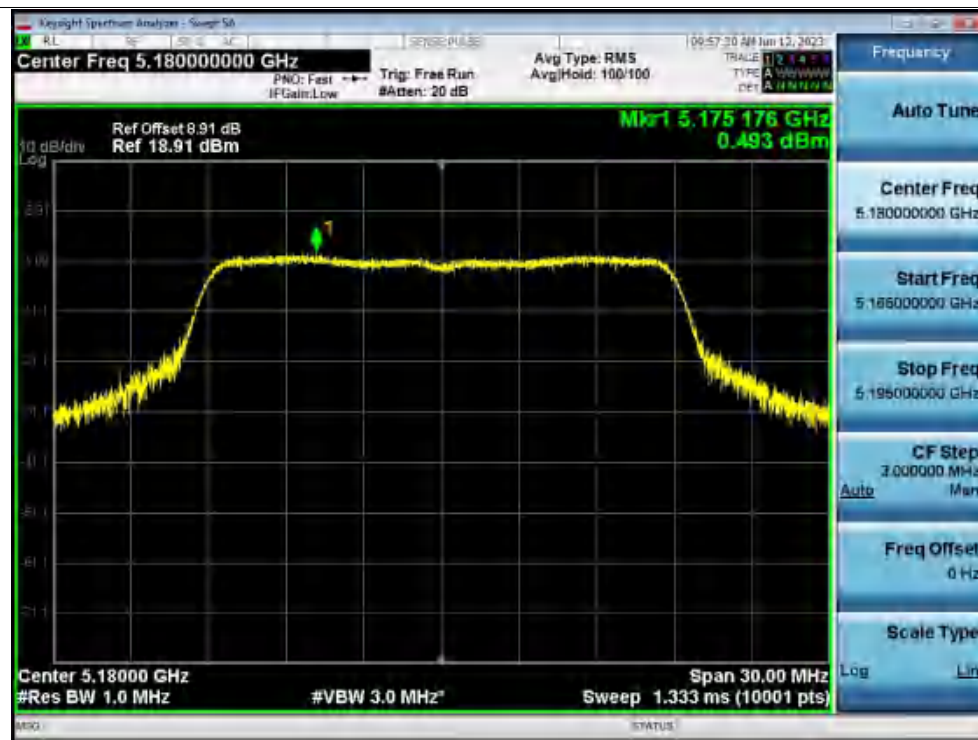
PSD NVNT a 5200MHz Ant1



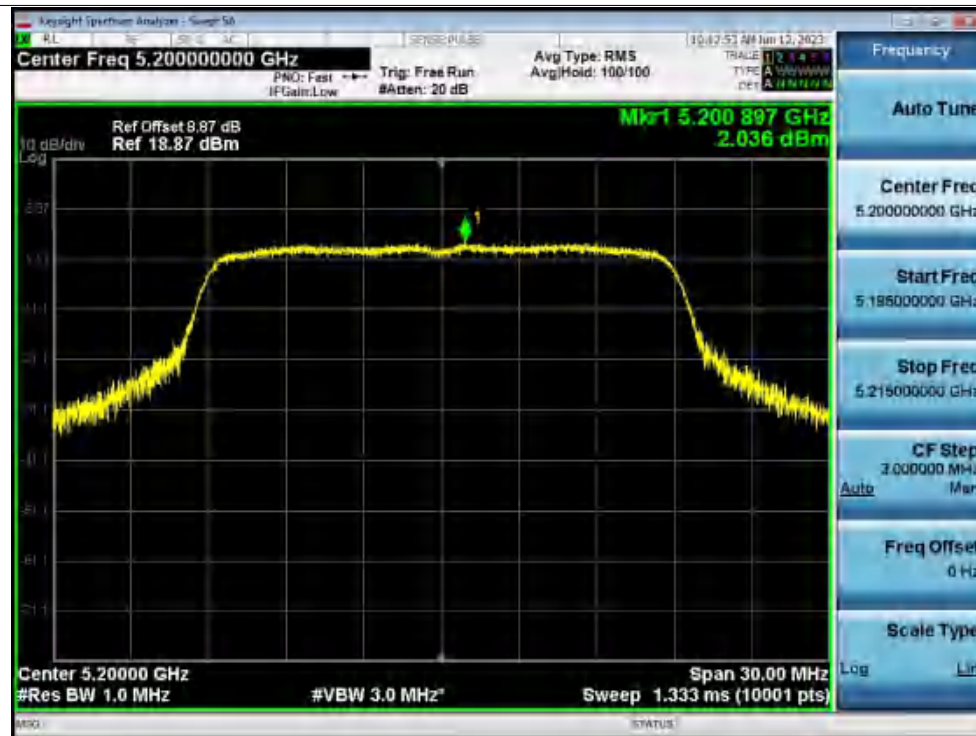
PSD NVNT a 5240MHz Ant1



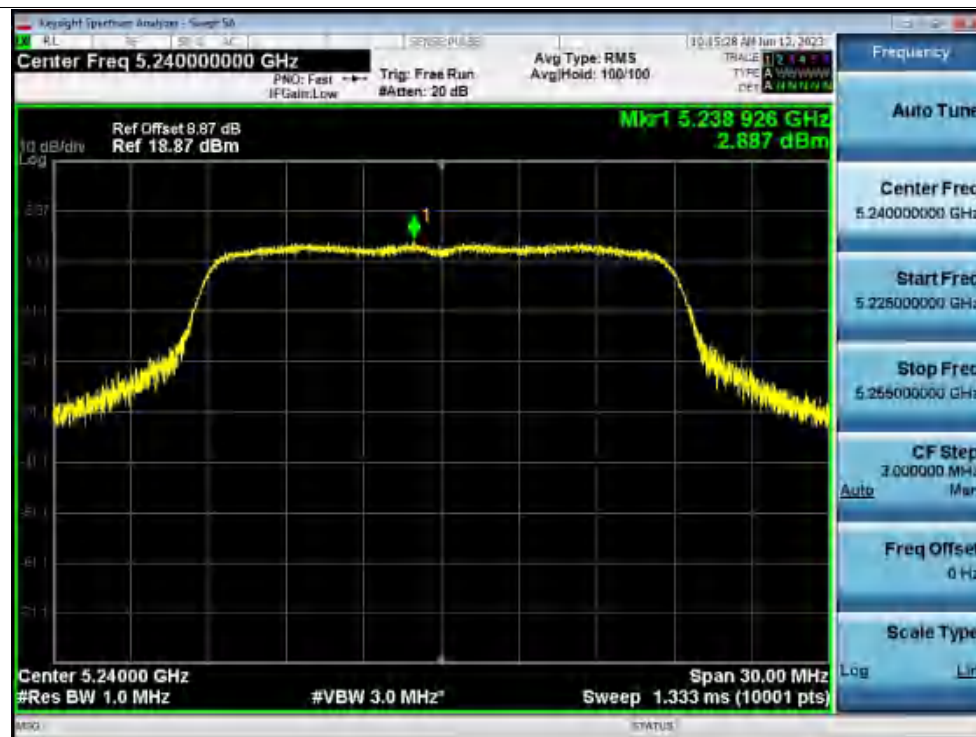
PSD NVNT n20 5180MHz Ant1



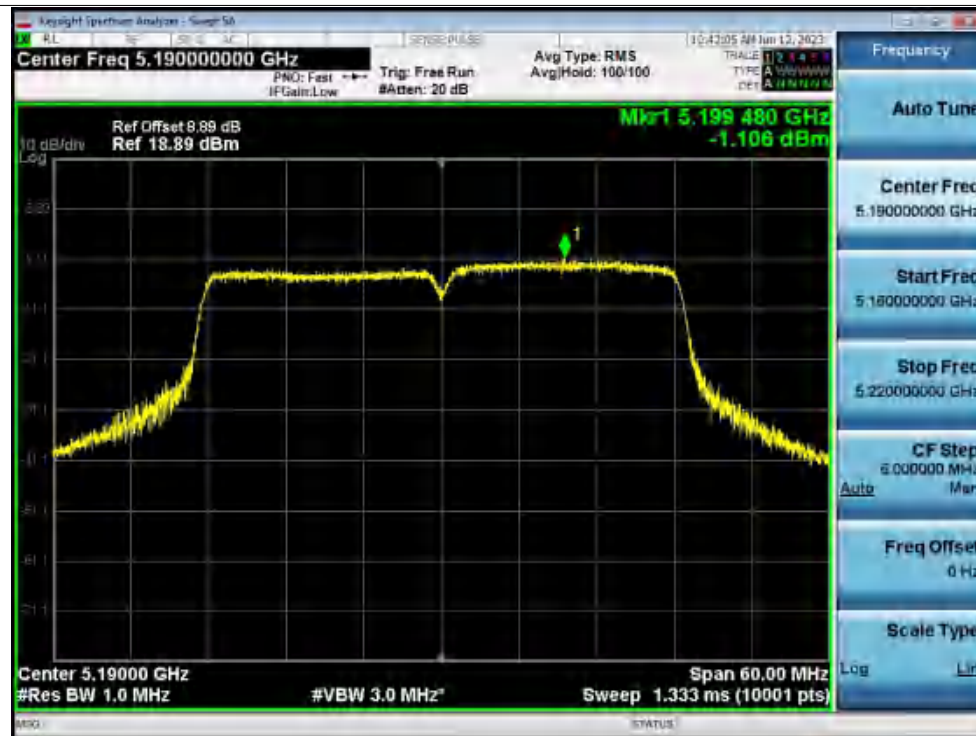
PSD NVNT n20 5200MHz Ant1



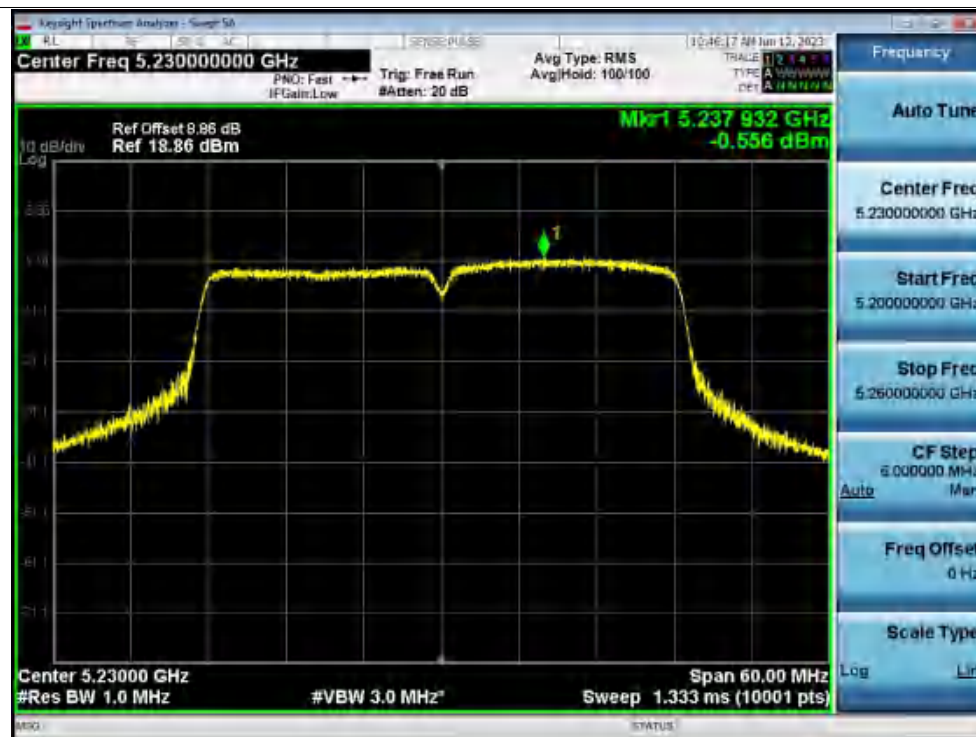
PSD NVNT n20 5240MHz Ant1



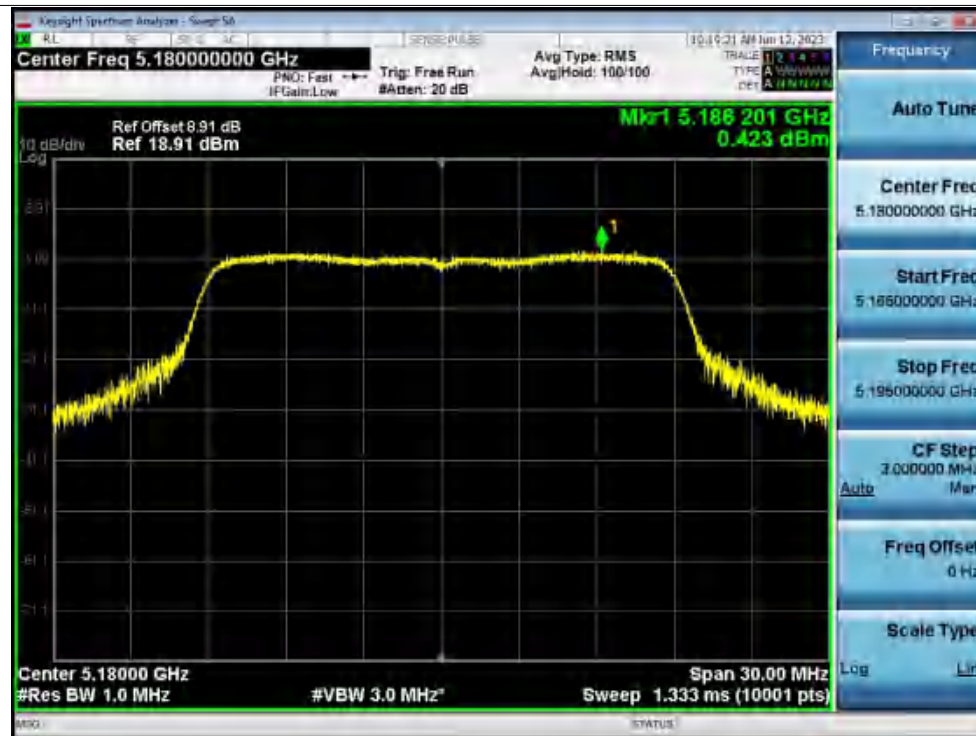
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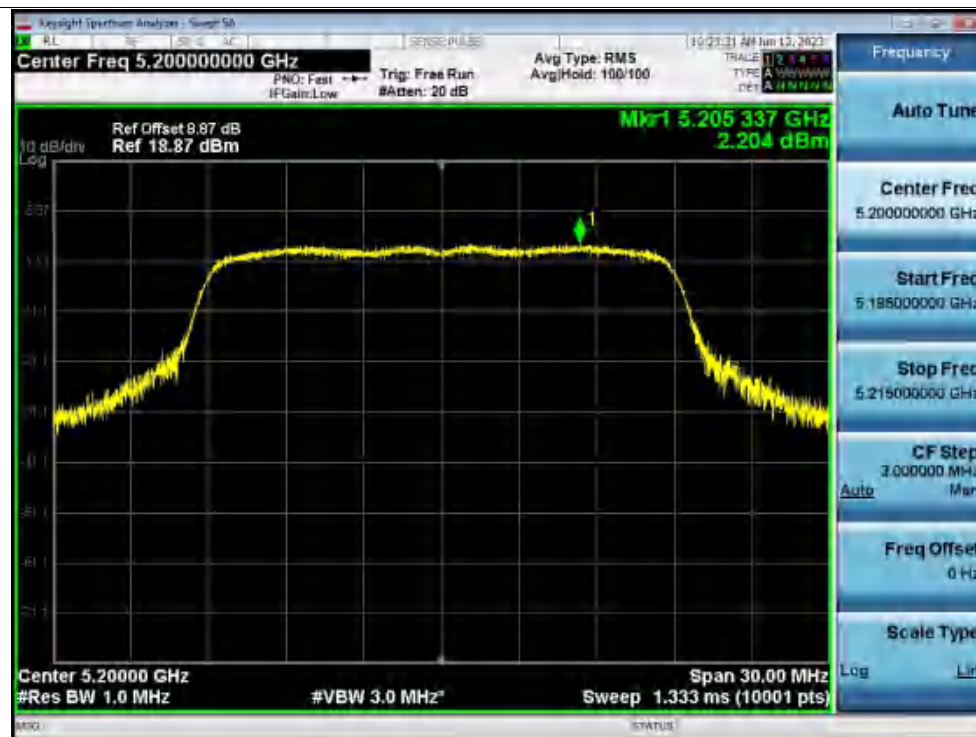
PSD NVNT n40 5230MHz Ant1



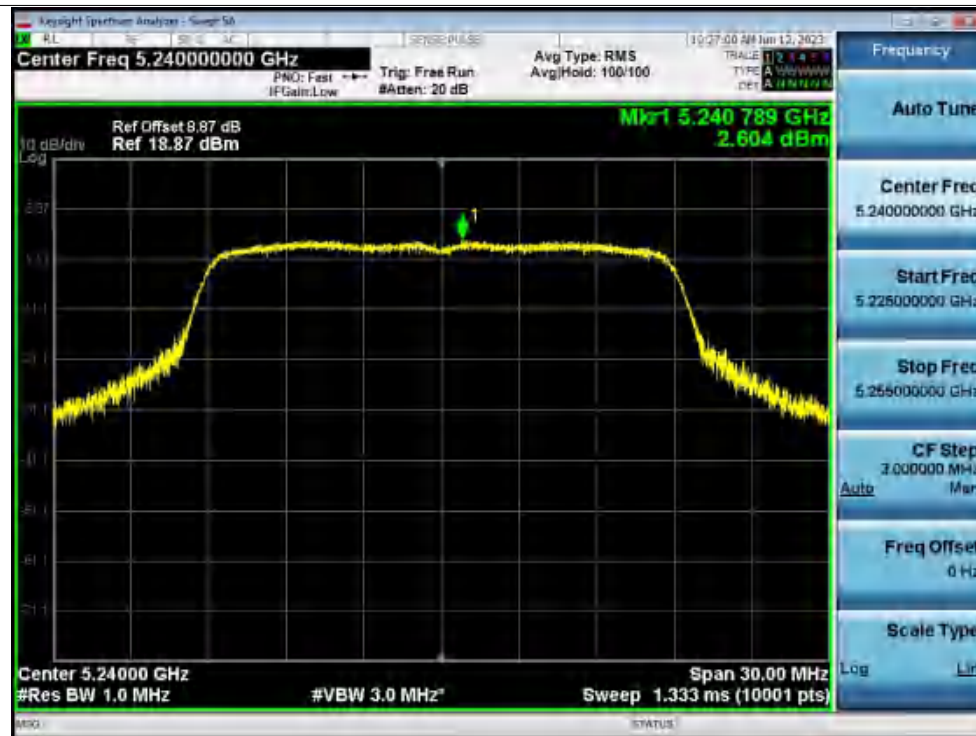
PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



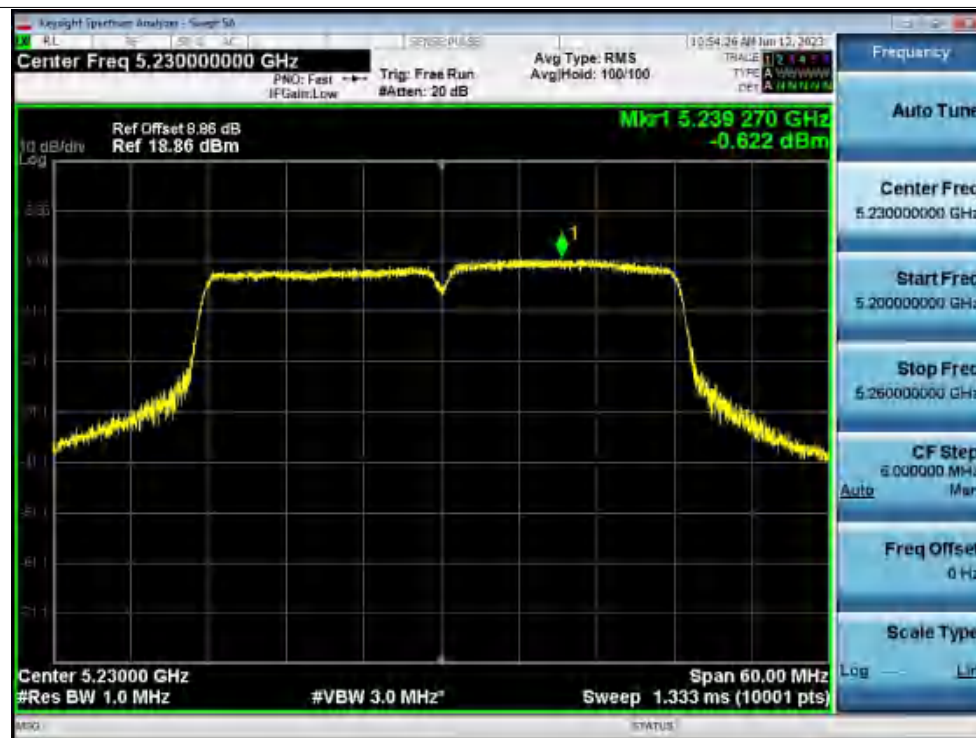
PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1



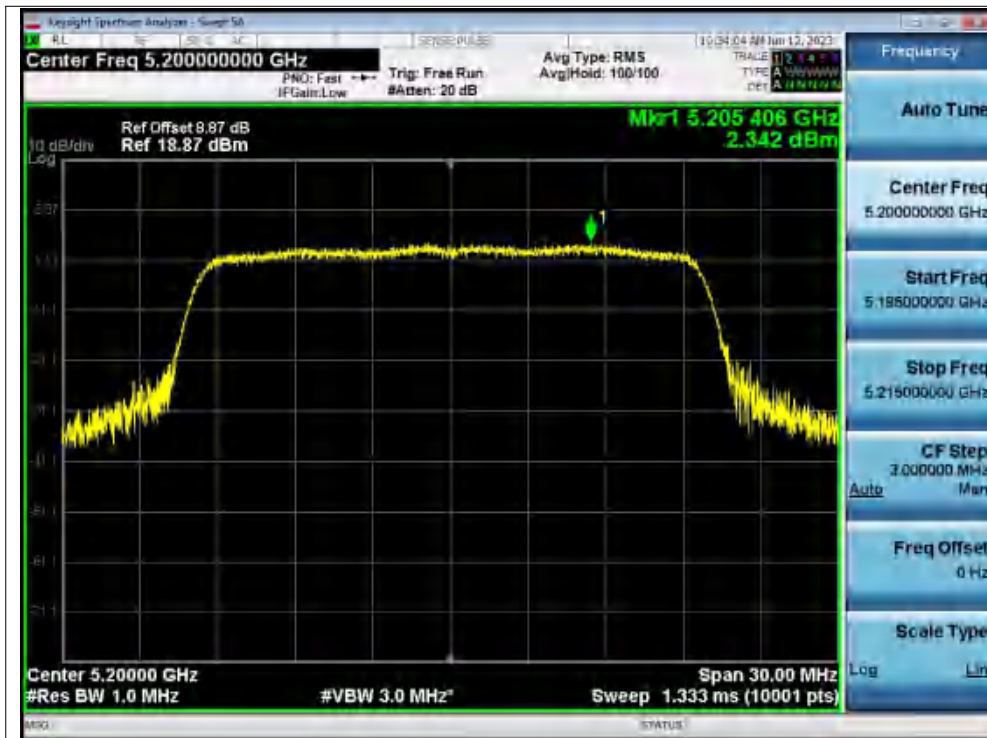
PSD NVNT ac40 5230MHz Ant1



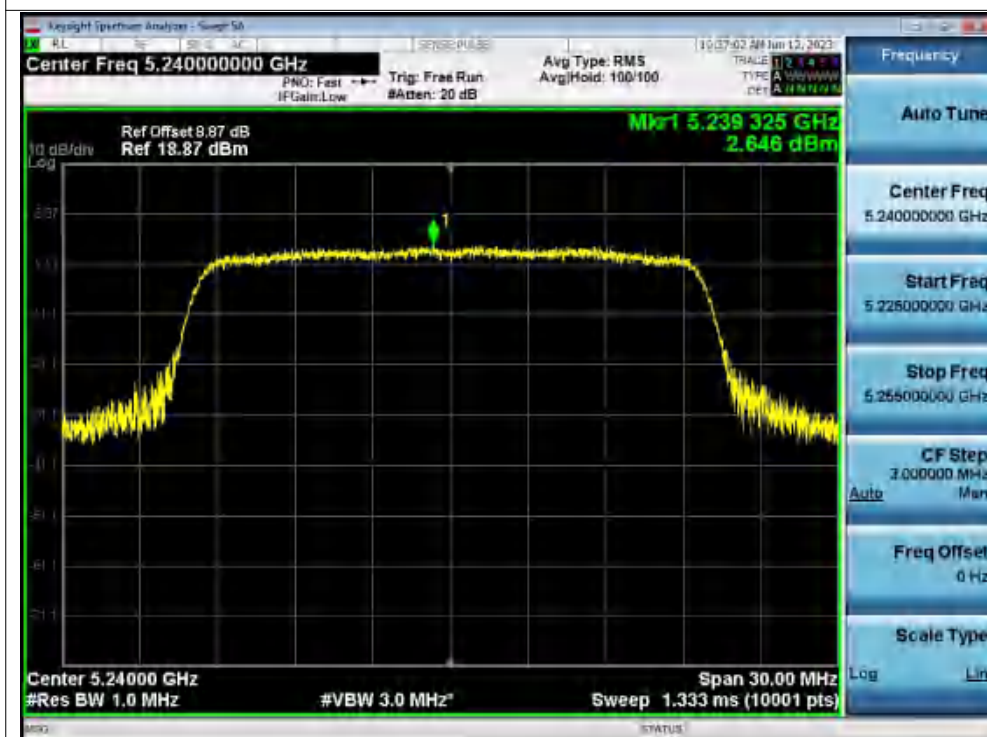
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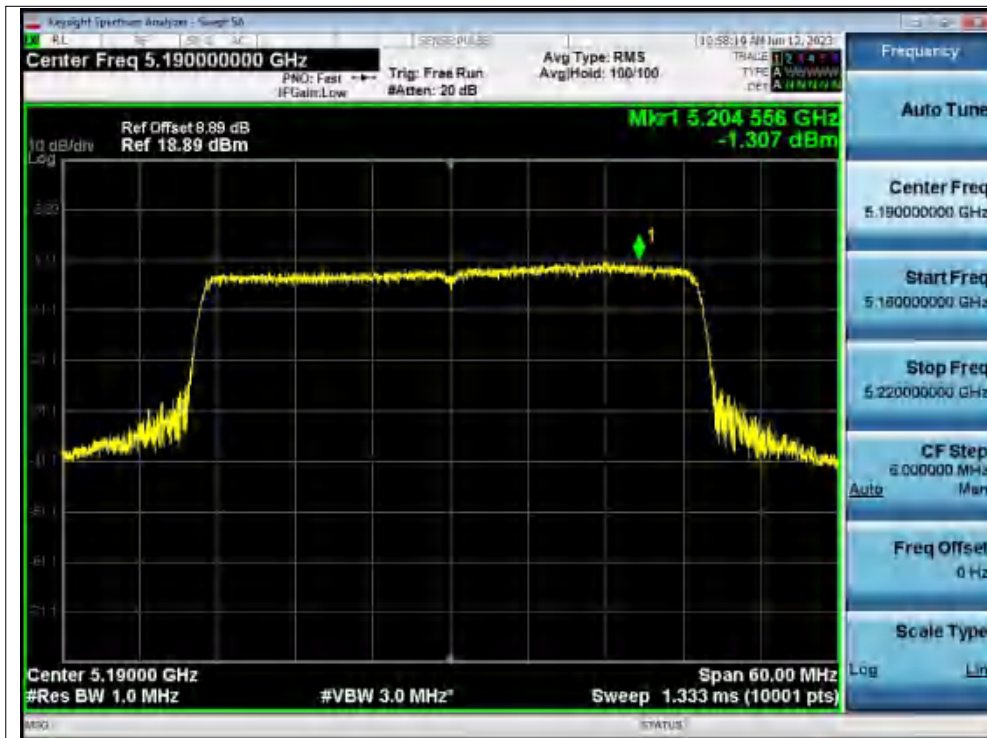
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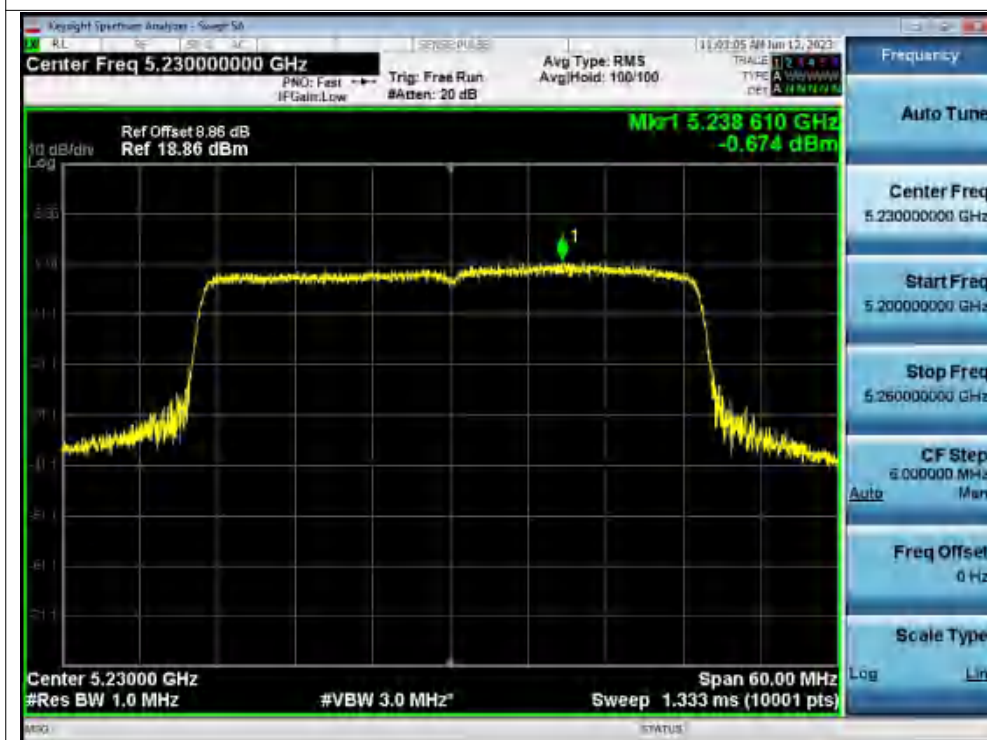
PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1



7.5 Frequency Stability

Condition	Mode	Time (mins)	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	a	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	a	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	a	0	5200	Ant1	5200	0	0	25	Pass
10C 120V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	a	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	a	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	a	0	5200	Ant1	5200	0	0	25	Pass
20C 102V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	a	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	0	5240	Ant1	5240	0	0	25	Pass
-10C 120V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	a	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 120V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	n20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass

30C 120V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	0	5180	Ant1	5180	0	0	25	Pass
50C 120V	n20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	n20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
50C 120V	n20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	n20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	n20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	n40	0	5190	Ant1	5190	0	0	25	Pass
20C 120V	n40	0	5190	Ant1	5190	0	0	25	Pass
20C 138V	n40	0	5190	Ant1	5190	0	0	25	Pass
-20C 120V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	n40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	0	5190	Ant1	5190	0	0	25	Pass
10C 120V	n40	0	5190	Ant1	5190	0	0	25	Pass
30C 120V	n40	0	5190	Ant1	5190	0	0	25	Pass
40C 120V	n40	0	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	0	5190	Ant1	5190	0	0	25	Pass
20C 102V	n40	0	5230	Ant1	5230	0	0	25	Pass
20C 120V	n40	0	5230	Ant1	5230	0	0	25	Pass
20C 138V	n40	0	5230	Ant1	5230	0	0	25	Pass
-20C 120V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	n40	0	5230	Ant1	5230	0	0	25	Pass
30C 120V	n40	0	5230	Ant1	5230	0	0	25	Pass

40C 120V	n40	0	5230	Ant1	5230	0	0	25	Pass
50C 120V	n40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	ac20	0	5180	Ant1	5180	0	0	25	Pass
10C 120V	ac20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ac20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ac20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	ac20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	ac20	0	5200	Ant1	5200	0	0	25	Pass
40C 120V	ac20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
50C 120V	ac20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	ac20	0	5240	Ant1	5240	0	0	25	Pass
20C 120V	ac20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	ac20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	ac20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	0	5240	Ant1	5240	0	0	25	Pass
40C 120V	ac20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	ac20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	0	5190	Ant1	5190	0	0	25	Pass
20C 138V	ac40	0	5190	Ant1	5190	0	0	25	Pass
-20C 120V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	0	5190	Ant1	5190	0	0	25	Pass
0C 120V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	0	5190	Ant1	5190	0	0	25	Pass
30C 120V	ac40	0	5190	Ant1	5190	0	0	25	Pass
40C 120V	ac40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass

50C 120V	ac40	0	5190	Ant1	5190	0	0	25	Pass
20C 102V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 138V	ac40	0	5230	Ant1	5230	0	0	25	Pass
-20C 120V	ac40	0	5230	Ant1	5230	0	0	25	Pass
-10C 120V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ac40	0	5230	Ant1	5230	0	0	25	Pass
10C 120V	ac40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	ac40	0	5230	Ant1	5229.92	-80000	-15.3	25	Pass
40C 120V	ac40	0	5230	Ant1	5230	0	0	25	Pass
50C 120V	ac40	0	5230	Ant1	5230	0	0	25	Pass
20C 102V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ax20	0	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	ax20	0	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	ax20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	ax20	0	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	ax20	0	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	ax20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	ax20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	ax20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ax20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	ax20	0	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	ax20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	ax20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	ax20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	ax20	0	5240	Ant1	5239.98	-20000	-3.82	25	Pass



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20C 102V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	0	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 138V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ax40	0	5230	Ant1	5229.96	-40000	-7.65	25	Pass

Test Graphs

Freq. Stability 20C 102V a 5180MHz Ant1 0 Minutes



Freq. Stability 20C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability 20C 138V a 5180MHz Ant1 0 Minutes



Freq. Stability -20C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability -10C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability 0C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability 10C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability 30C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability 40C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability 50C 120V a 5180MHz Ant1 0 Minutes



Freq. Stability 20C 102V a 5200MHz Ant1 0 Minutes



Freq. Stability 20C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability 20C 138V a 5200MHz Ant1 0 Minutes



Freq. Stability -20C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability -10C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability 0C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability 10C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability 30C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability 40C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability 50C 120V a 5200MHz Ant1 0 Minutes



Freq. Stability 20C 102V a 5240MHz Ant1 0 Minutes



Freq. Stability 20C 120V a 5240MHz Ant1 0 Minutes



Freq. Stability 20C 138V a 5240MHz Ant1 0 Minutes



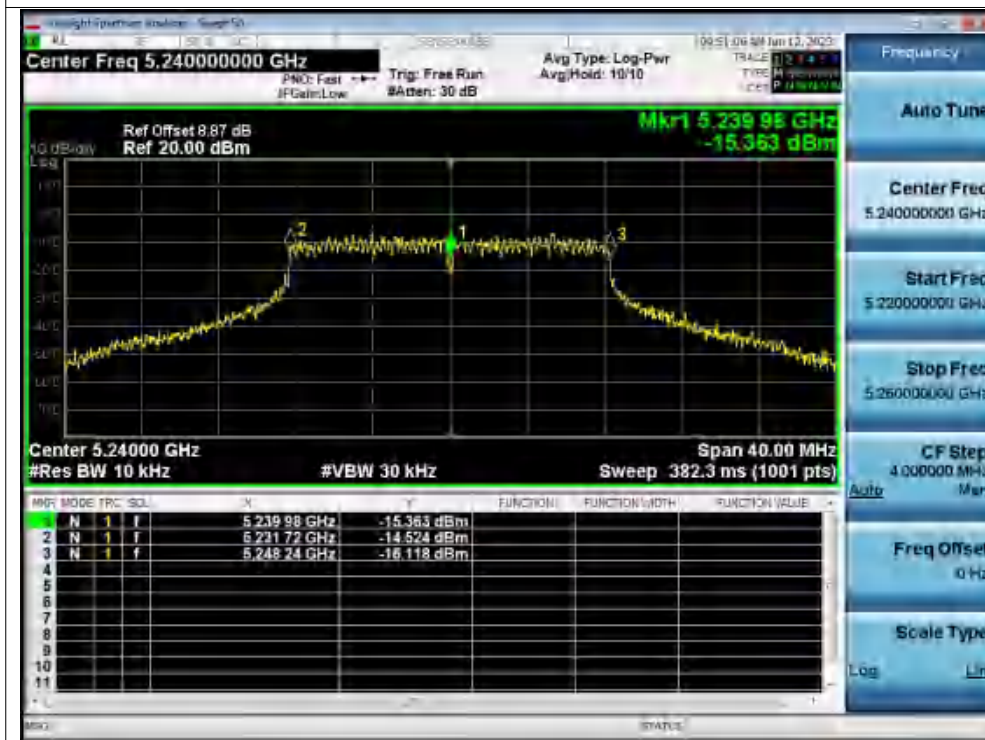
Freq. Stability -20C 120V a 5240MHz Ant1 0 Minutes



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Freq. Stability 10C 120V a 5240MHz Ant1 0 Minutes



Freq. Stability 30C 120V a 5240MHz Ant1 0 Minutes



Freq. Stability 40C 120V a 5240MHz Ant1 0 Minutes



Freq. Stability 50C 120V a 5240MHz Ant1 0 Minutes



Freq. Stability 20C 102V n20 5180MHz Ant1 0 Minutes



Freq. Stability 20C 120V n20 5180MHz Ant1 0 Minutes



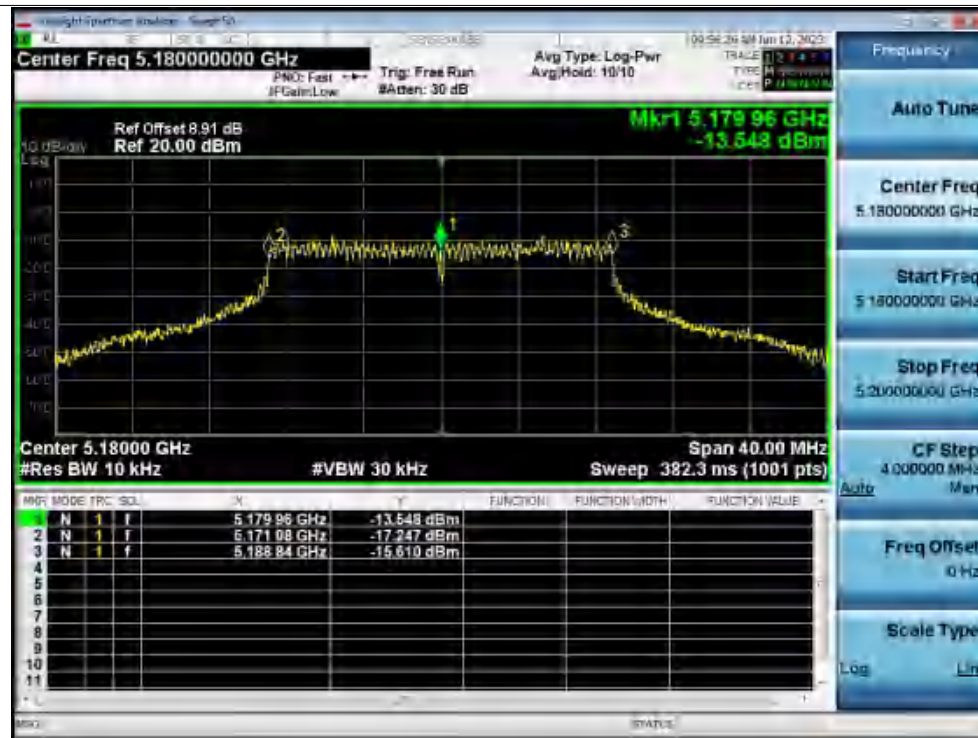
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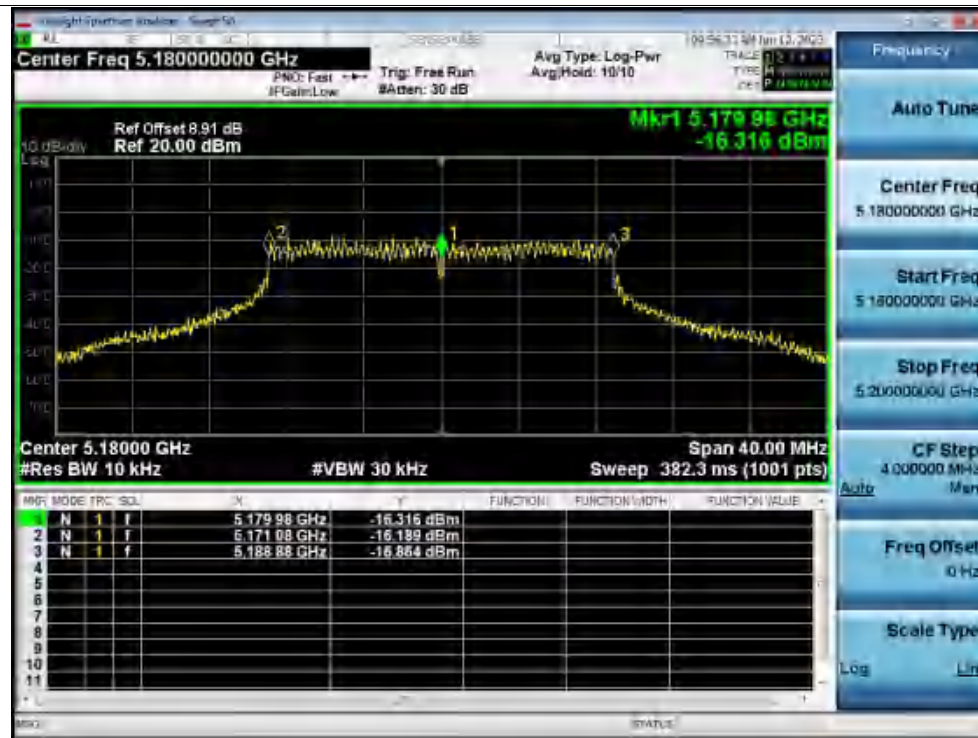
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Freq. Stability 10C 120V n20 5180MHz Ant1 0 Minutes



Freq. Stability 30C 120V n20 5180MHz Ant1 0 Minutes



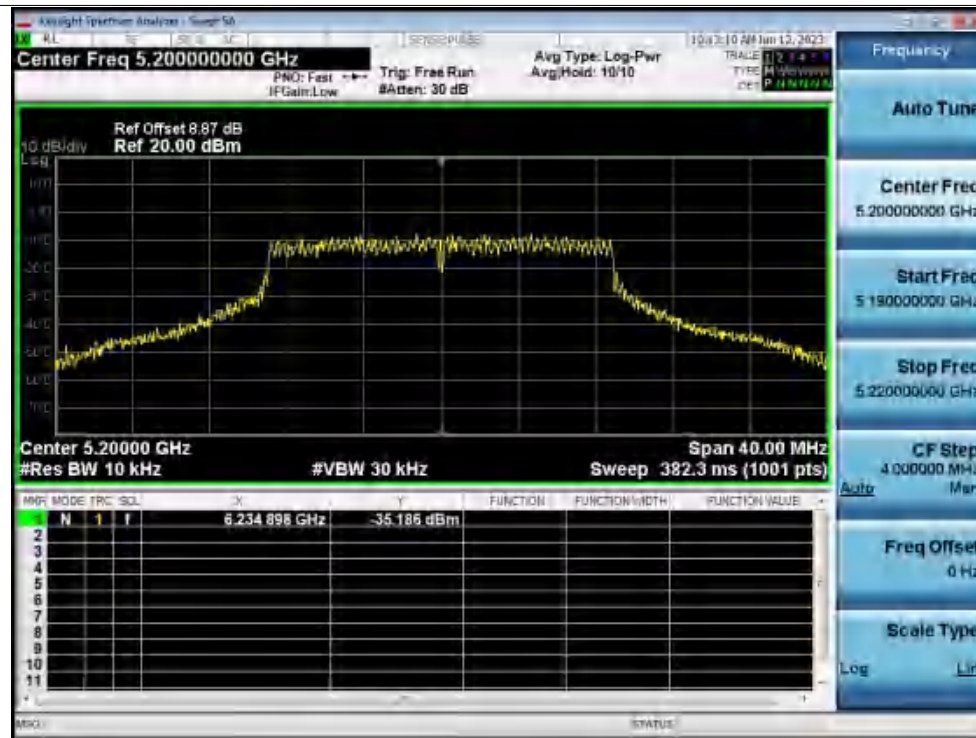
Freq. Stability 40C 120V n20 5180MHz Ant1 0 Minutes



Freq. Stability 50C 120V n20 5180MHz Ant1 0 Minutes



Freq. Stability 20C 102V n20 5200MHz Ant1 0 Minutes



Freq. Stability 20C 120V n20 5200MHz Ant1 0 Minutes



Freq. Stability 20C 138V n20 5200MHz Ant1 0 Minutes



Freq. Stability -20C 120V n20 5200MHz Ant1 0 Minutes



Freq. Stability -10C 120V n20 5200MHz Ant1 0 Minutes



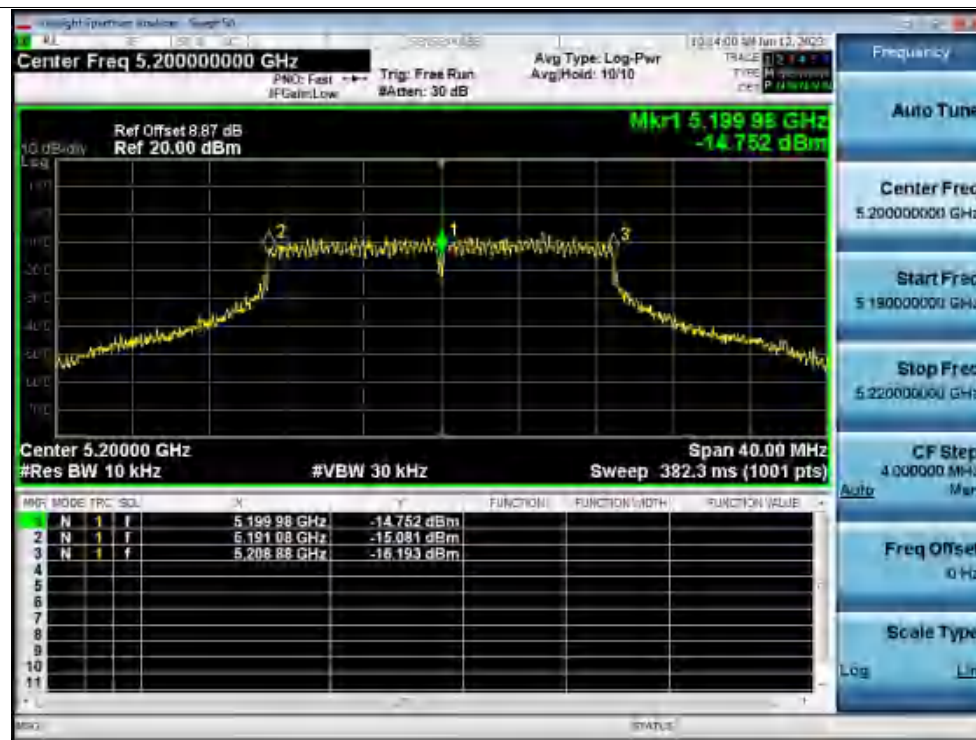
Freq. Stability 0C 120V n20 5200MHz Ant1 0 Minutes



Freq. Stability 10C 120V n20 5200MHz Ant1 0 Minutes



Freq. Stability 30C 120V n20 5200MHz Ant1 0 Minutes



Freq. Stability 40C 120V n20 5200MHz Ant1 0 Minutes



Freq. Stability 50C 120V n20 5200MHz Ant1 0 Minutes



Freq. Stability 20C 102V n20 5240MHz Ant1 0 Minutes



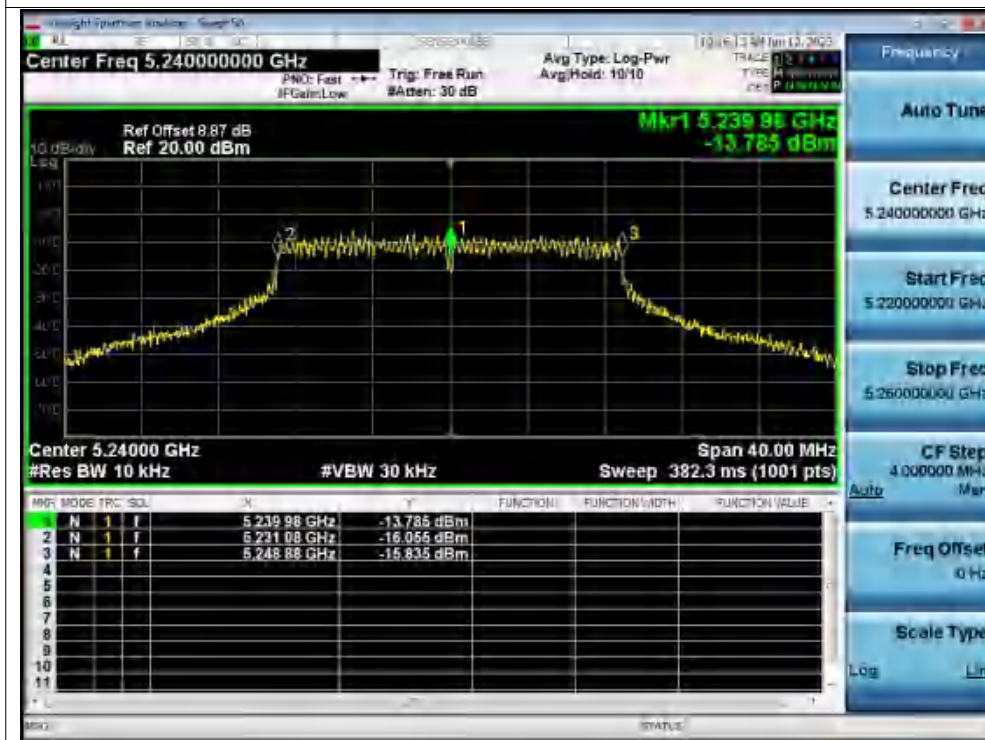
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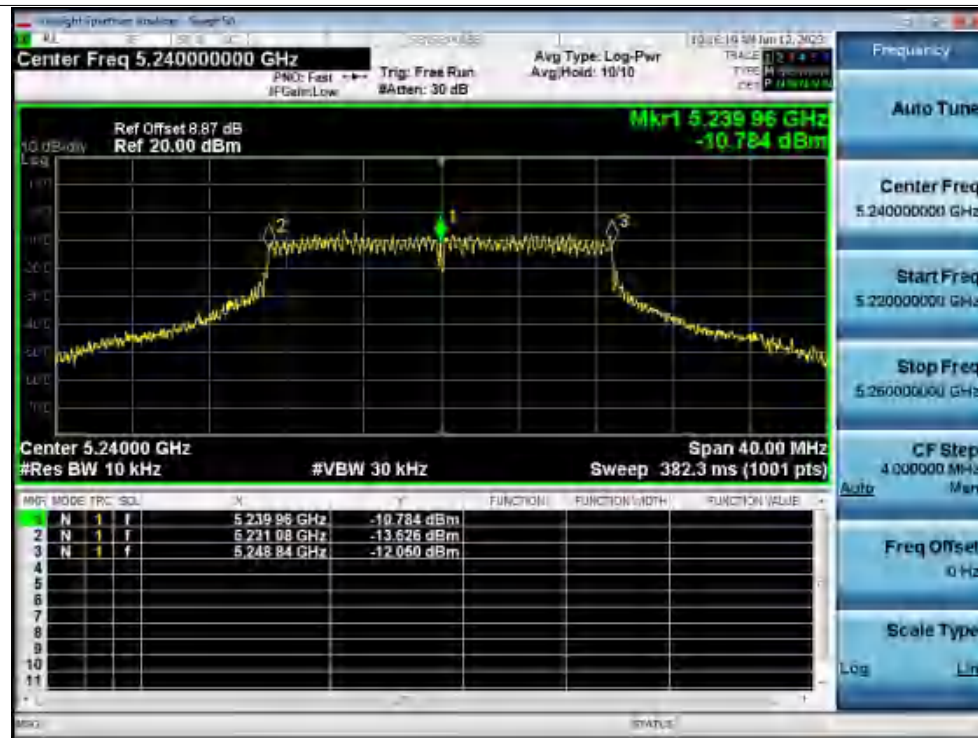
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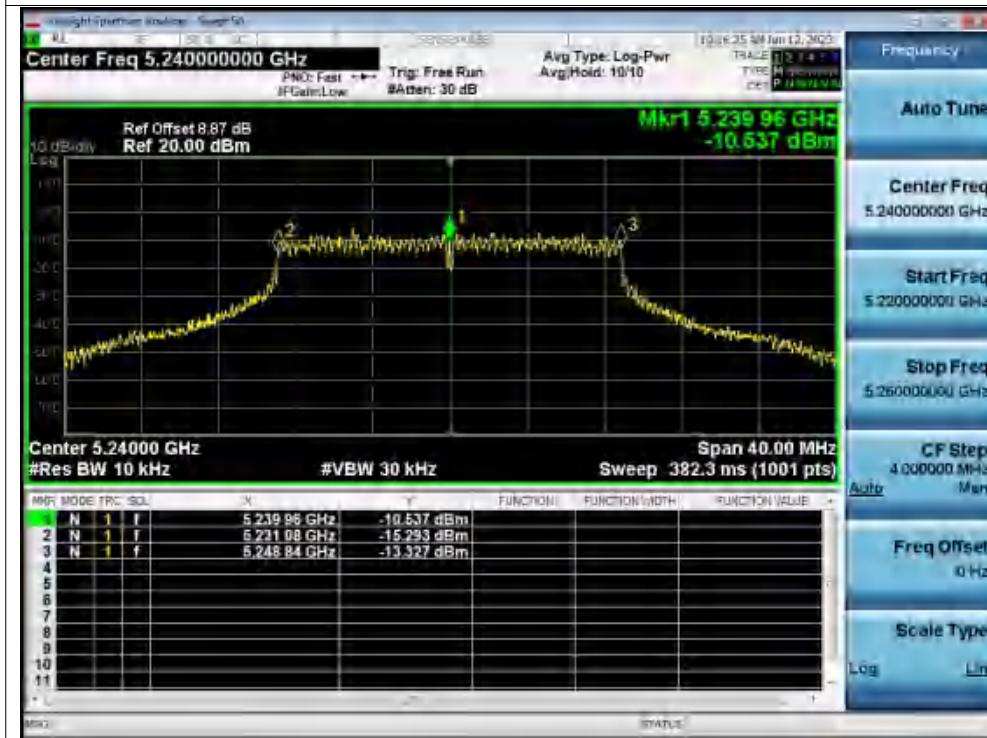
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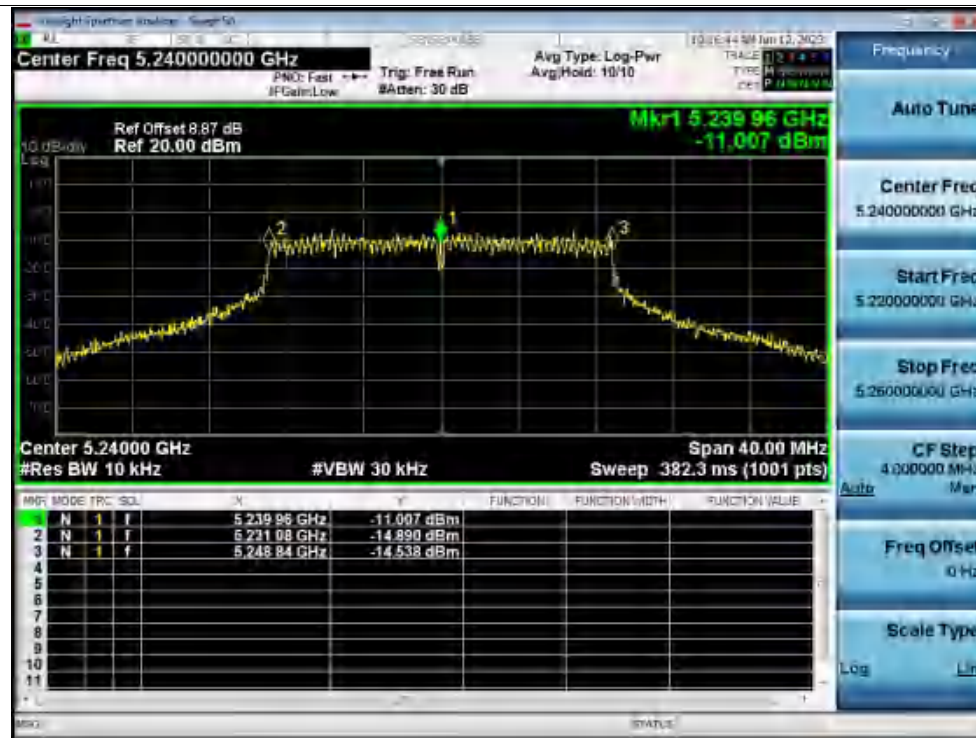
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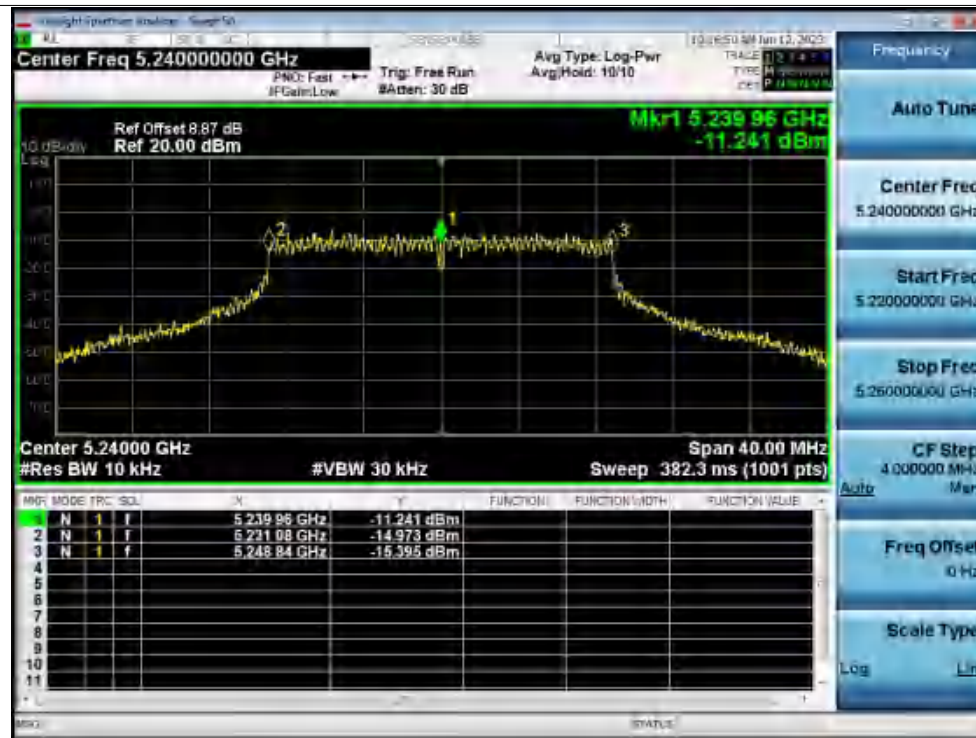
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Freq. Stability 30C 120V n20 5240MHz Ant1 0 Minutes



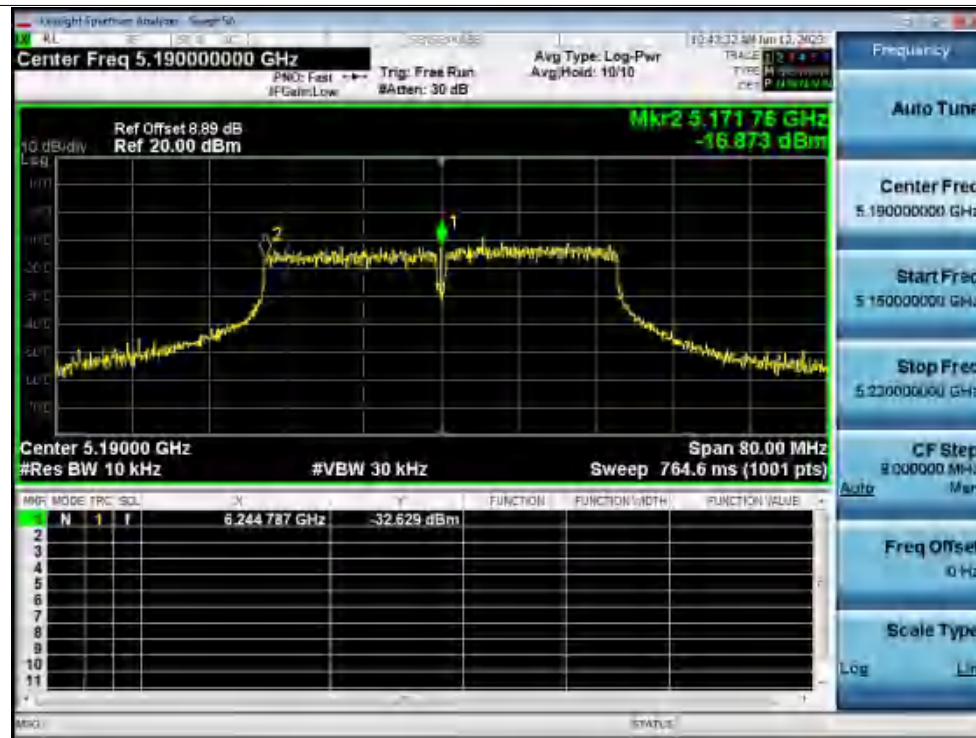
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Freq. Stability 50C 120V n20 5240MHz Ant1 0 Minutes



Freq. Stability 20C 102V n40 5190MHz Ant1 0 Minutes



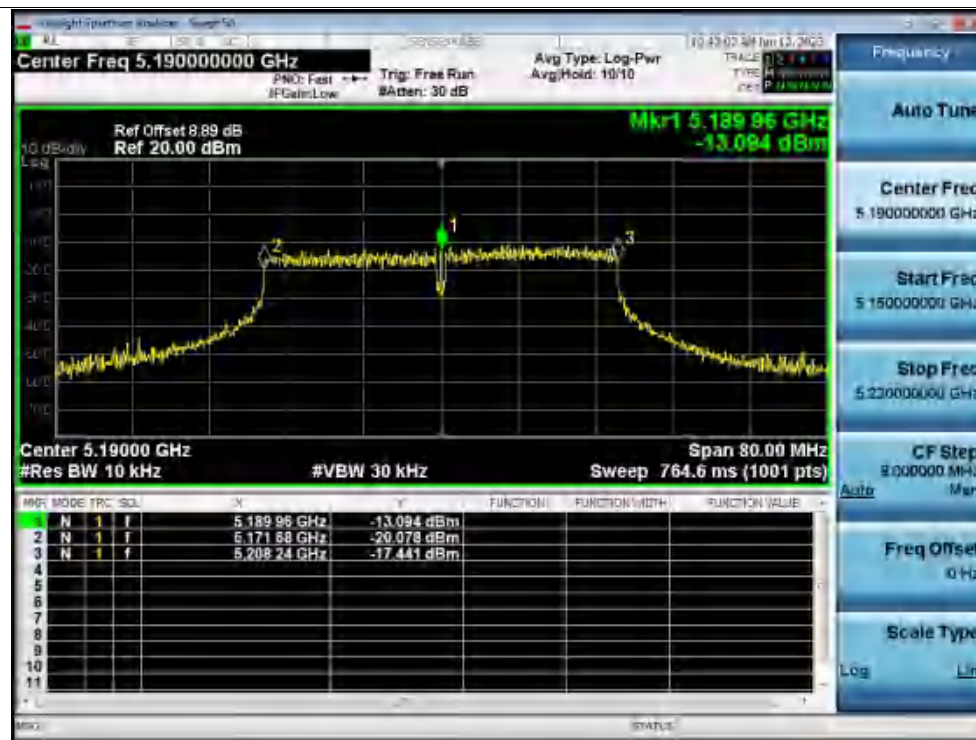
Freq. Stability 20C 120V n40 5190MHz Ant1 0 Minutes



Freq. Stability 20C 138V n40 5190MHz Ant1 0 Minutes



Freq. Stability -20C 120V n40 5190MHz Ant1 0 Minutes



Freq. Stability -10C 120V n40 5190MHz Ant1 0 Minutes



Freq. Stability 0C 120V n40 5190MHz Ant1 0 Minutes



Freq. Stability 10C 120V n40 5190MHz Ant1 0 Minutes



Freq. Stability 30C 120V n40 5190MHz Ant1 0 Minutes



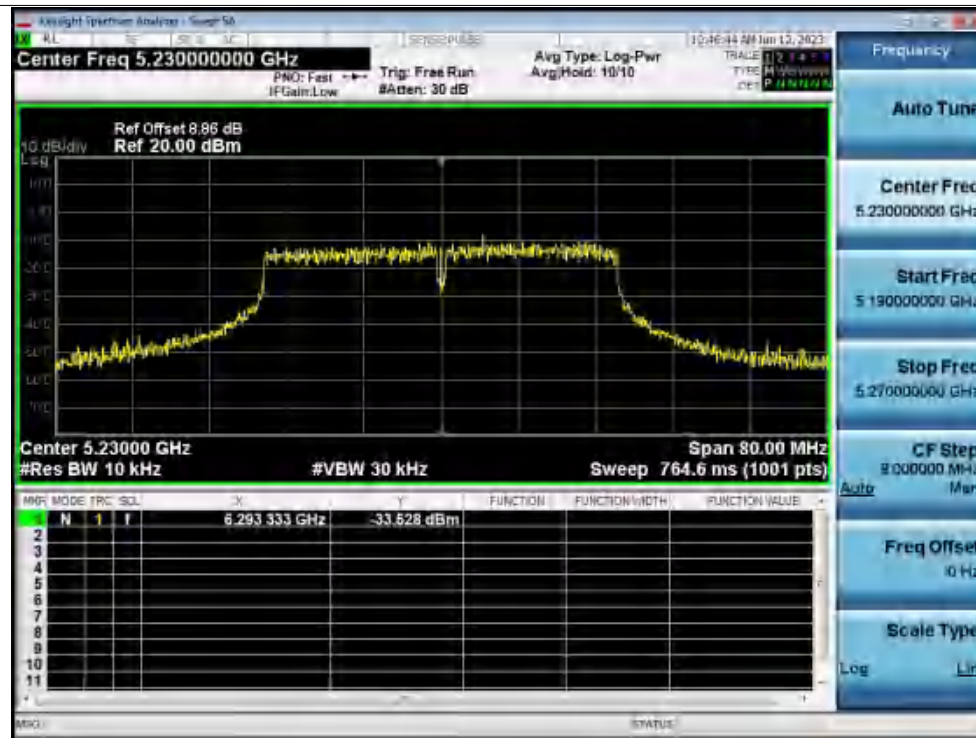
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Freq. Stability 50C 120V n40 5190MHz Ant1 0 Minutes



Freq. Stability 20C 102V n40 5230MHz Ant1 0 Minutes



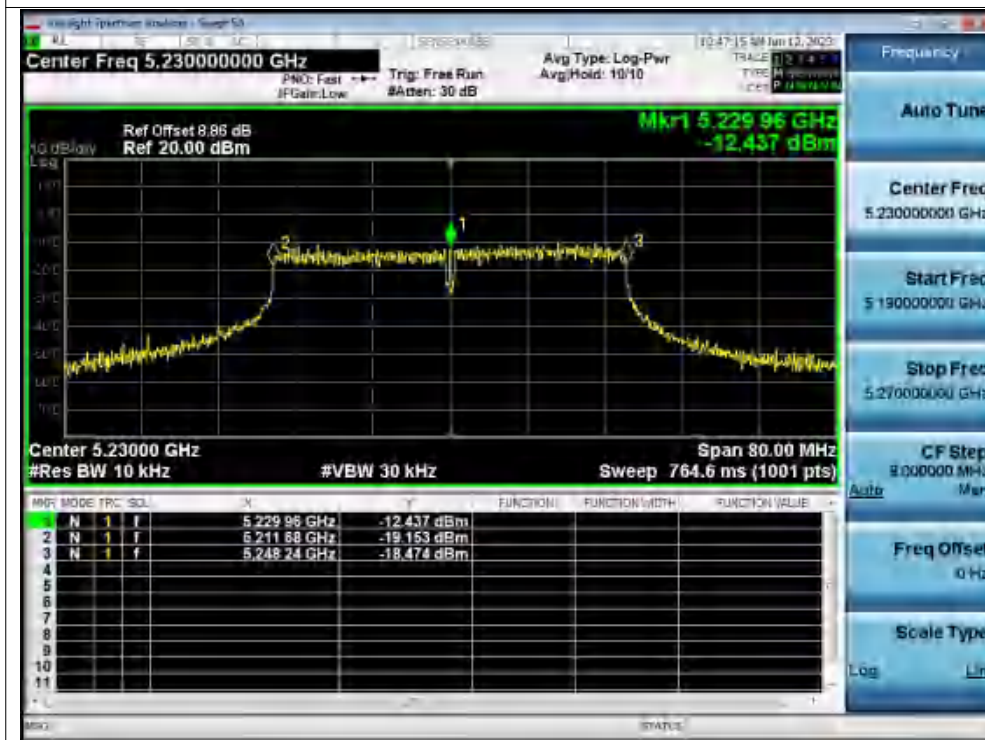
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Freq. Stability 20C 138V n40 5230MHz Ant1 0 Minutes



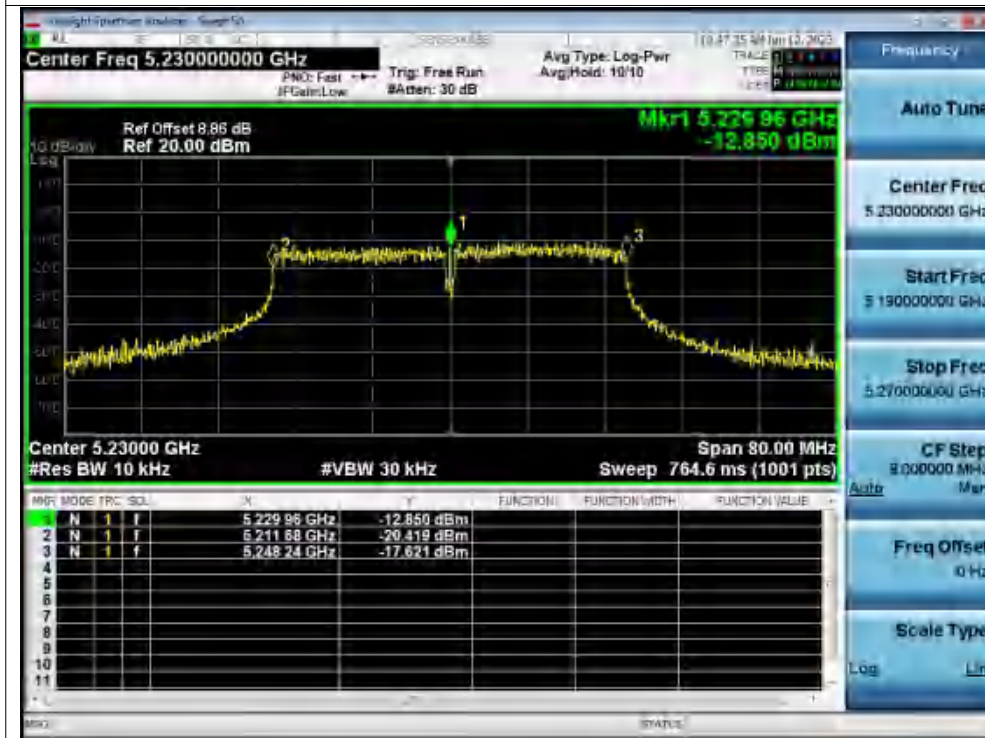
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Freq. Stability -10C 120V n40 5230MHz Ant1 0 Minutes



Freq. Stability 0C 120V n40 5230MHz Ant1 0 Minutes



Freq. Stability 10C 120V n40 5230MHz Ant1 0 Minutes



Freq. Stability 30C 120V n40 5230MHz Ant1 0 Minutes



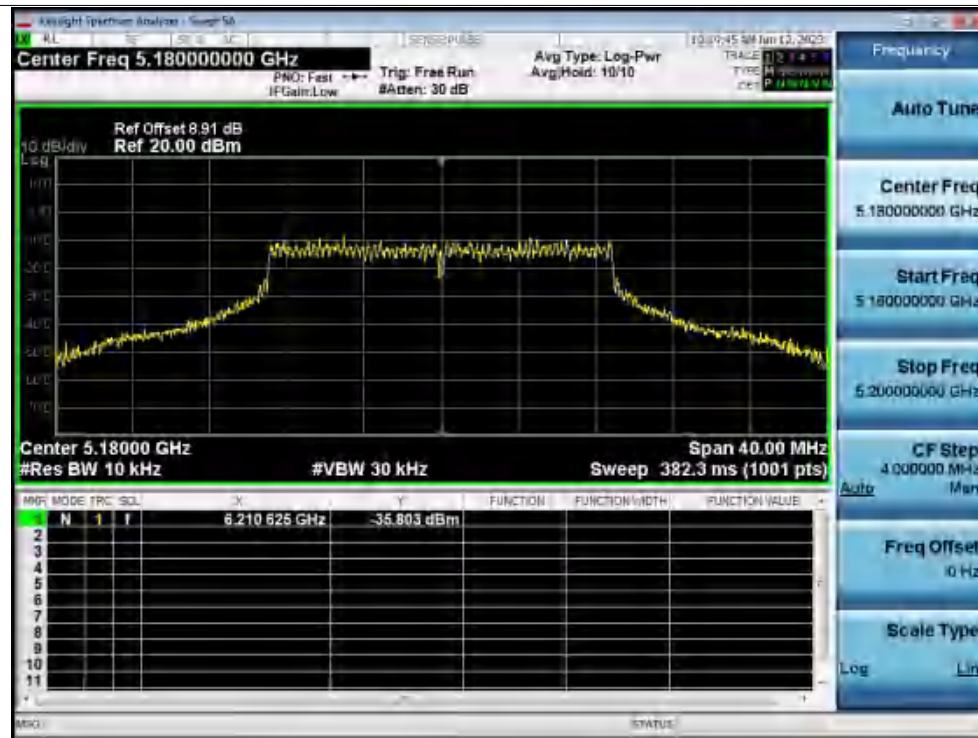
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Freq. Stability 50C 120V n40 5230MHz Ant1 0 Minutes



Freq. Stability 20C 102V ac20 5180MHz Ant1 0 Minutes



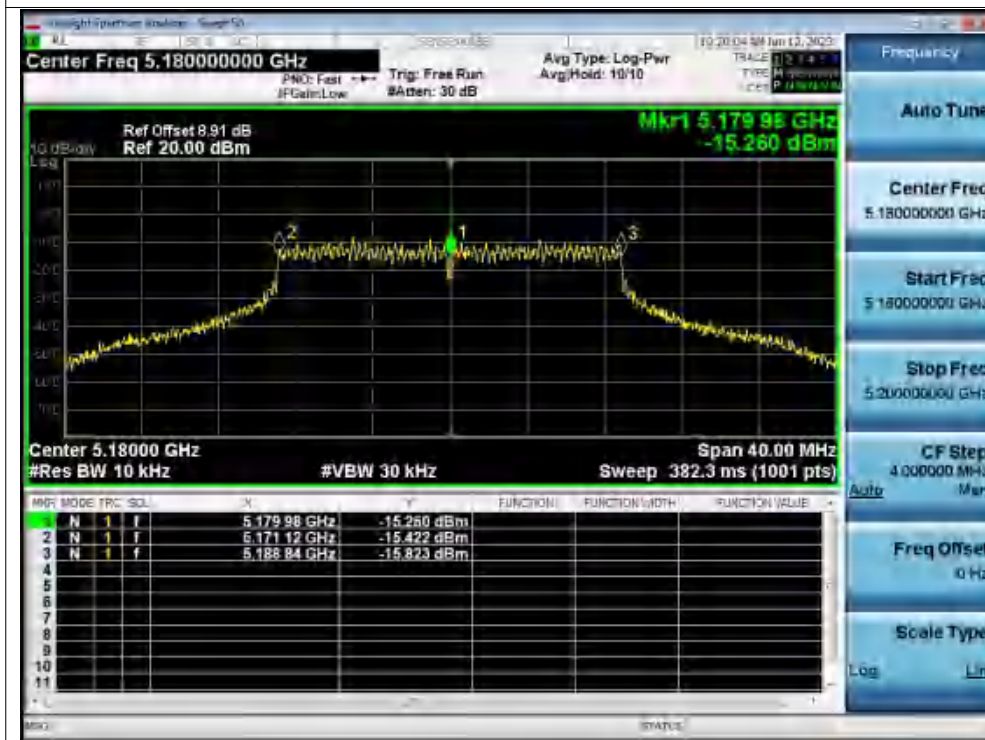
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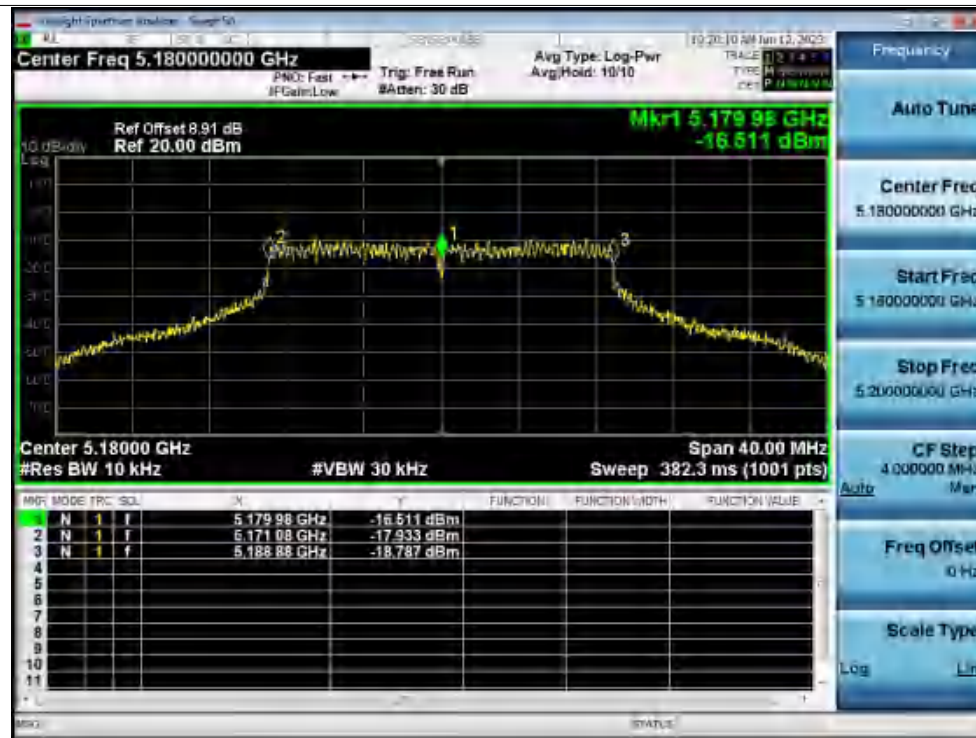
Freq. Stability 20C 138V ac20 5180MHz Ant1 0 Minutes



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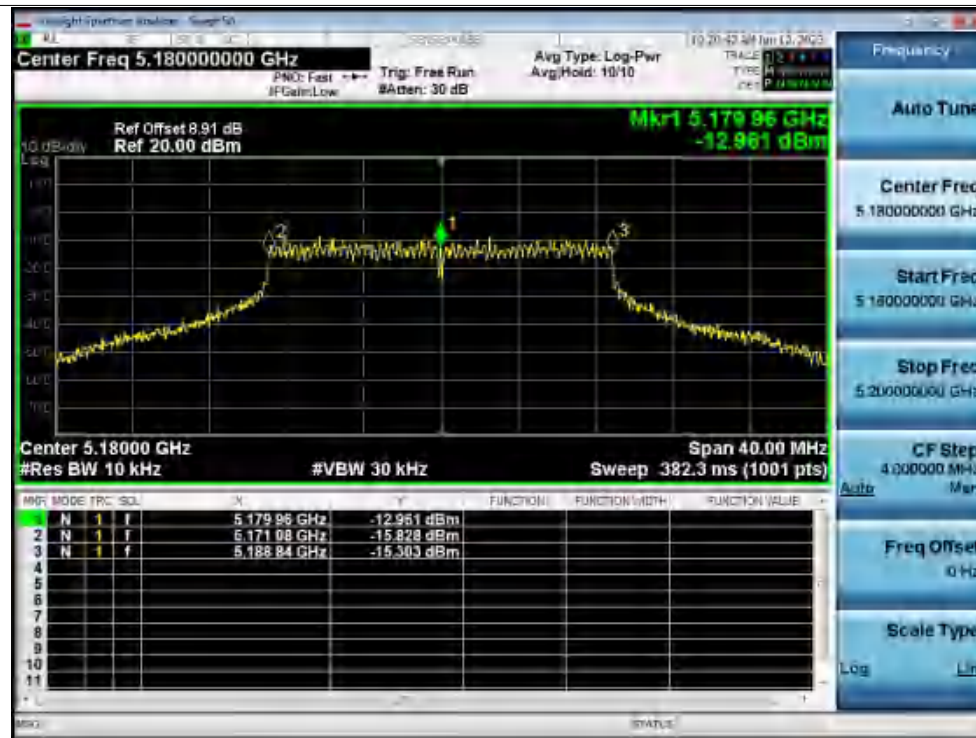
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Freq. Stability 30C 120V ac20 5180MHz Ant1 0 Minutes



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Freq. Stability 50C 120V ac20 5180MHz Ant1 0 Minutes



Freq. Stability 20C 102V ac20 5200MHz Ant1 0 Minutes



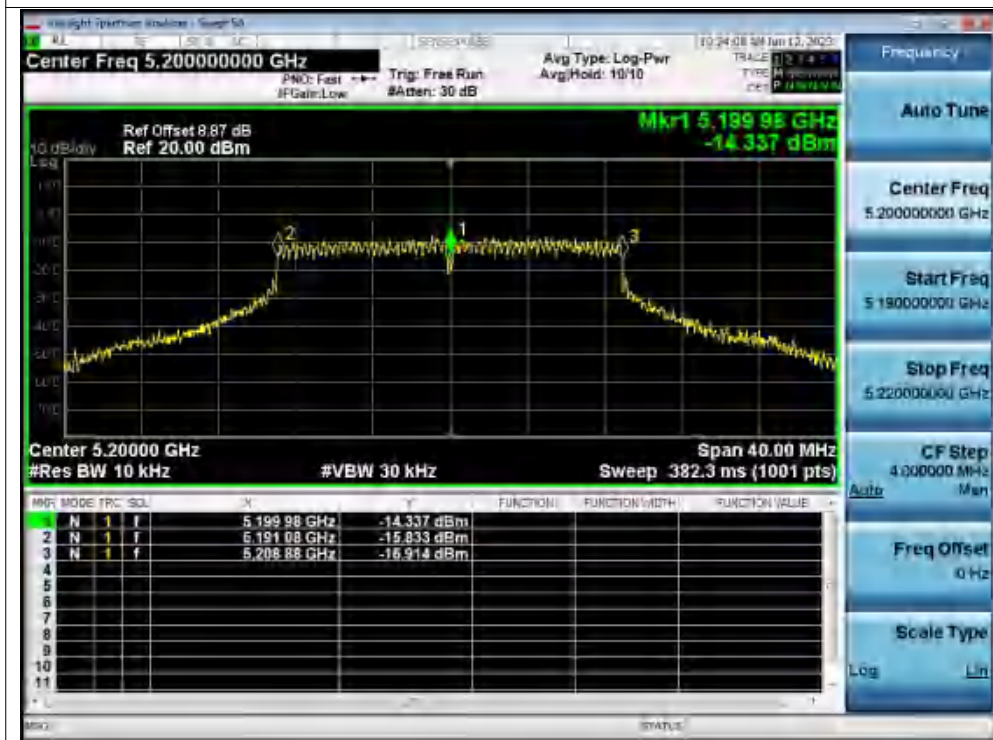
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Freq. Stability 20C 138V ac20 5200MHz Ant1 0 Minutes



Freq. Stability -20C 120V ac20 5200MHz Ant1 0 Minutes



Freq. Stability -10C 120V ac20 5200MHz Ant1 0 Minutes



Freq. Stability 0C 120V ac20 5200MHz Ant1 0 Minutes



Freq. Stability 10C 120V ac20 5200MHz Ant1 0 Minutes



Freq. Stability 30C 120V ac20 5200MHz Ant1 0 Minutes



Freq. Stability 40C 120V ac20 5200MHz Ant1 0 Minutes



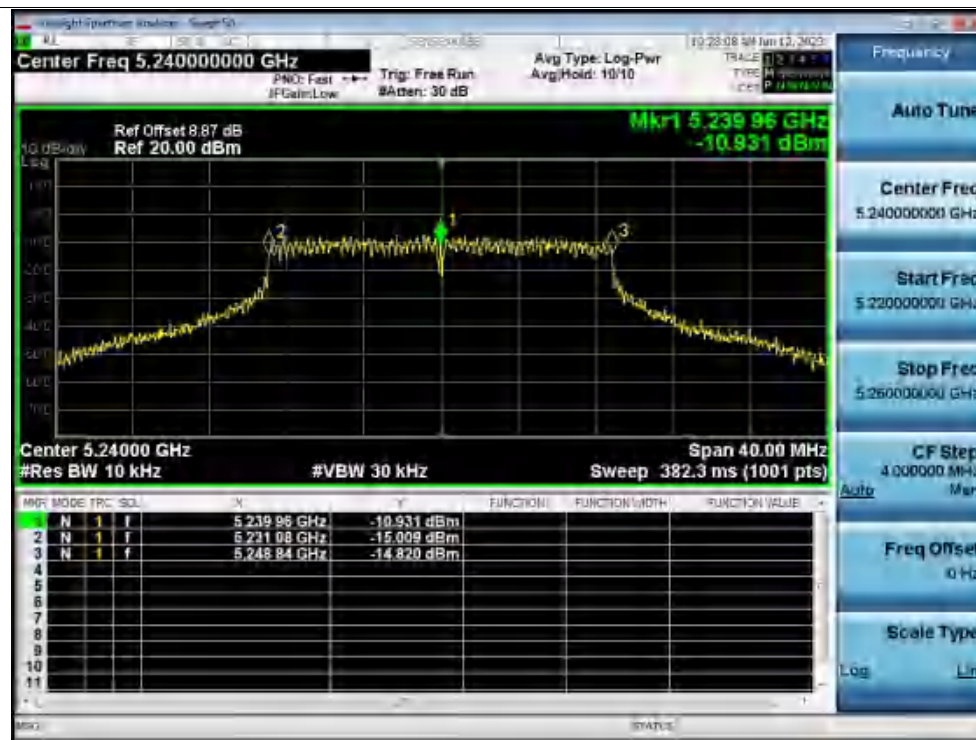
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Freq. Stability 20C 102V ac20 5240MHz Ant1 0 Minutes



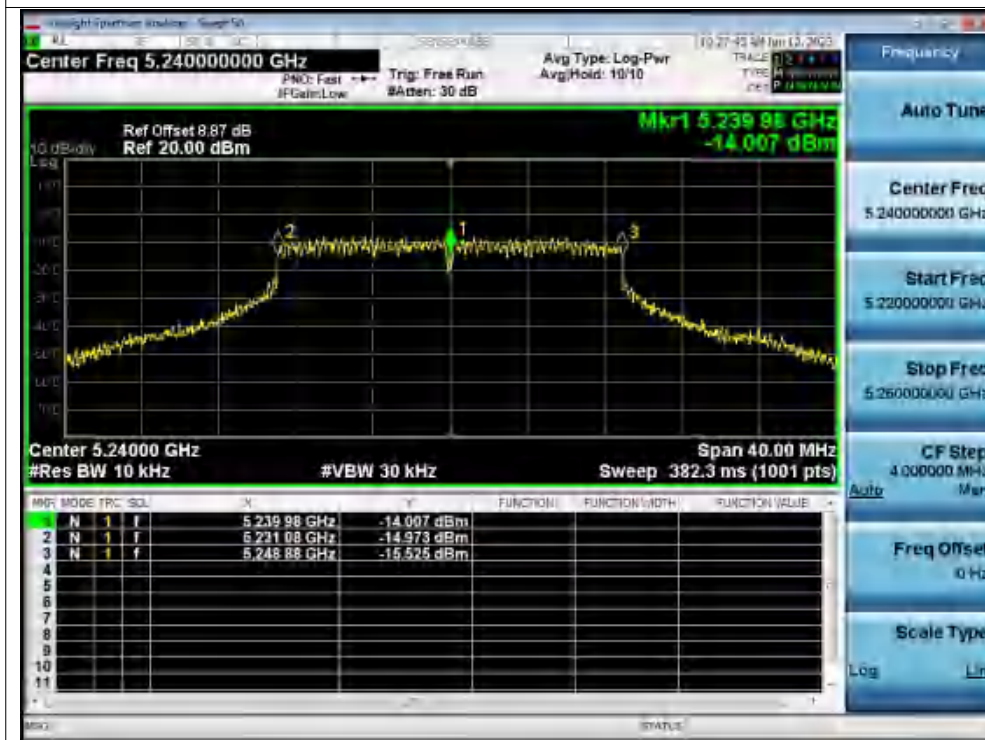
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Freq. Stability -20C 120V ac20 5240MHz Ant1 0 Minutes



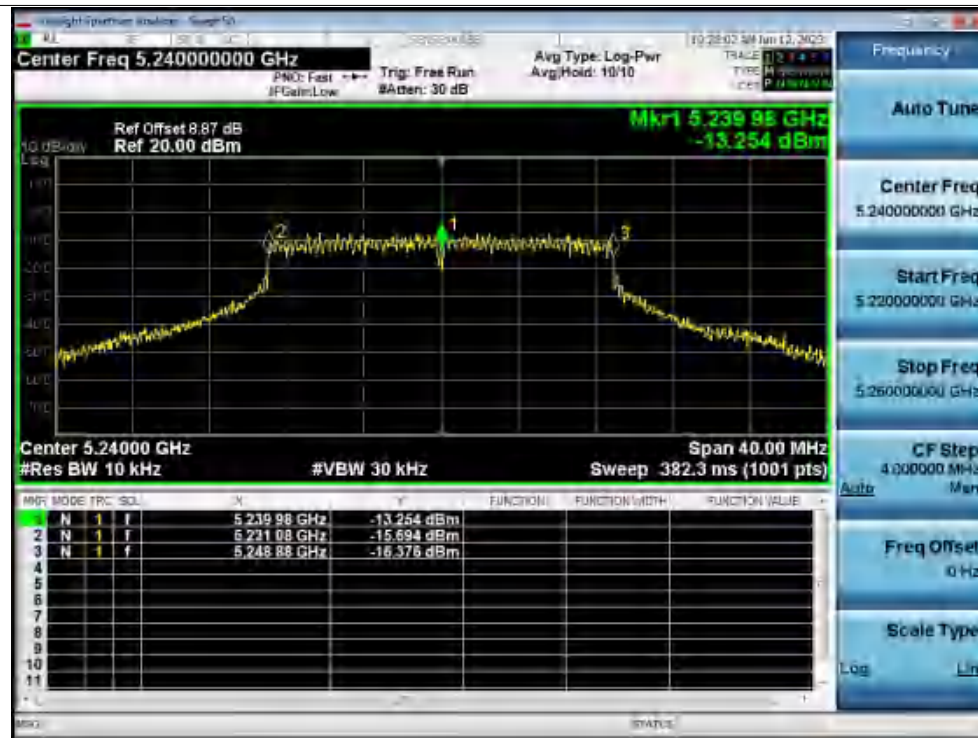
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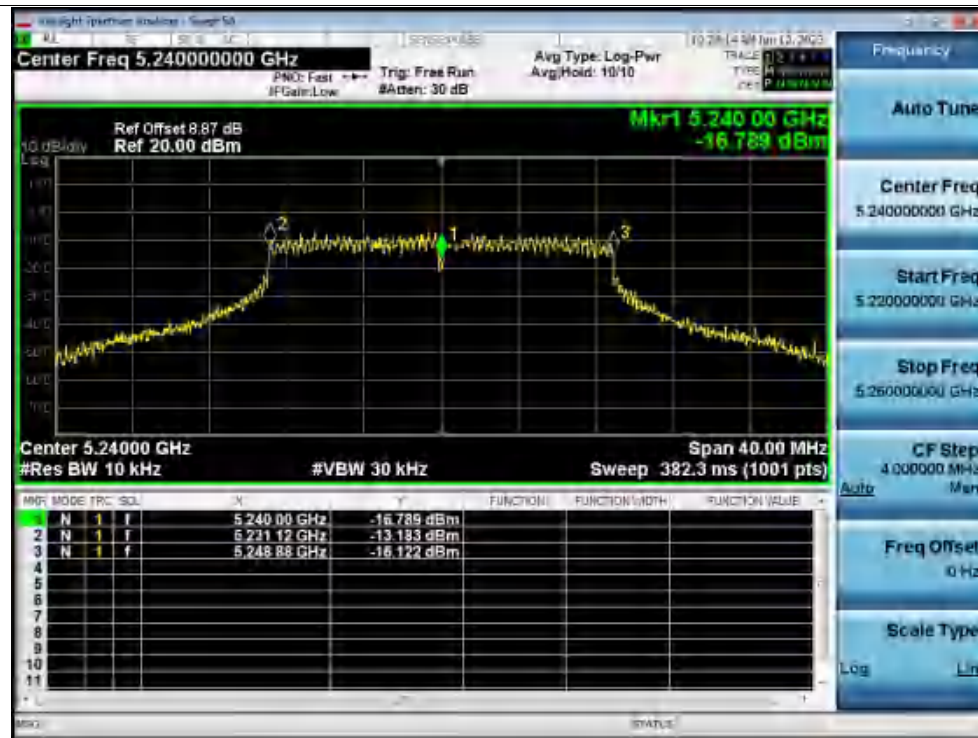
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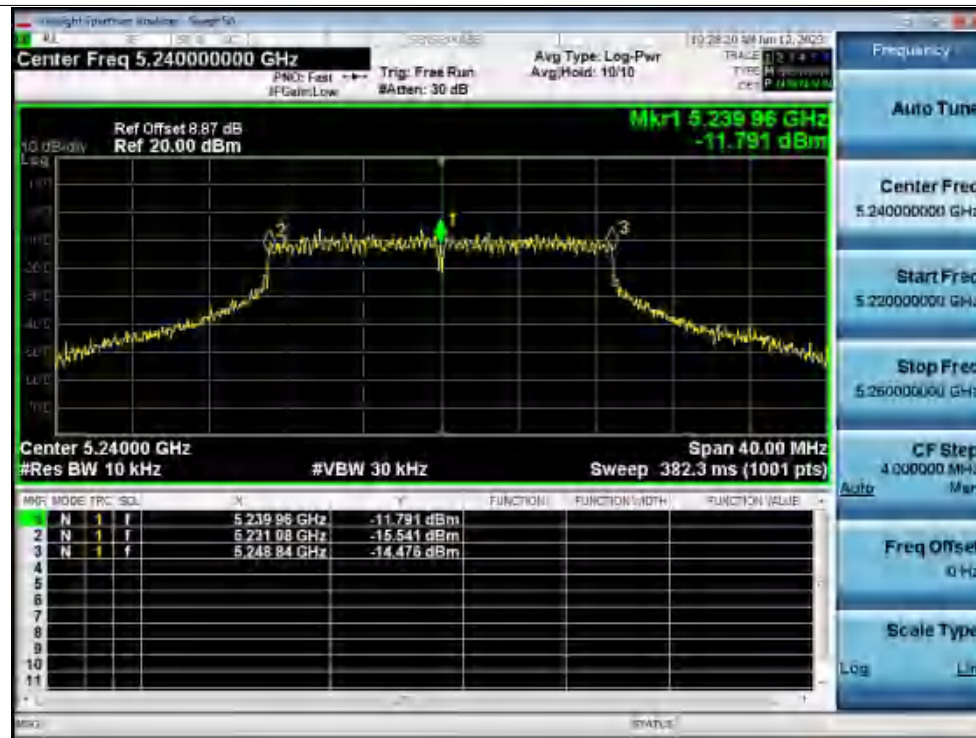
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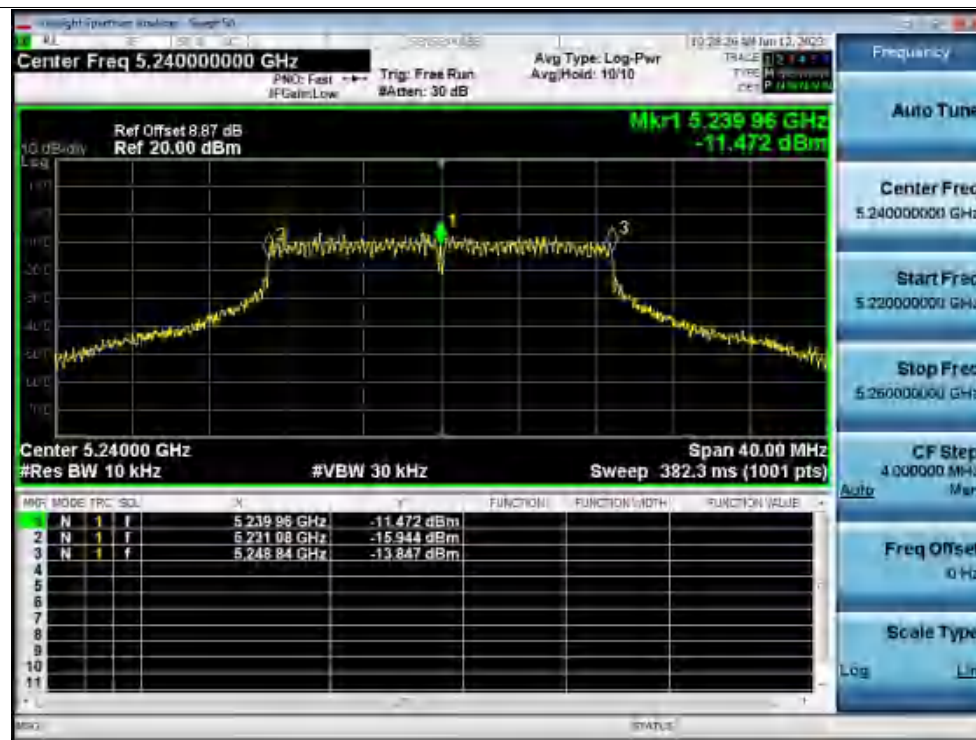
Freq. Stability 30C 120V ac20 5240MHz Ant1 0 Minutes



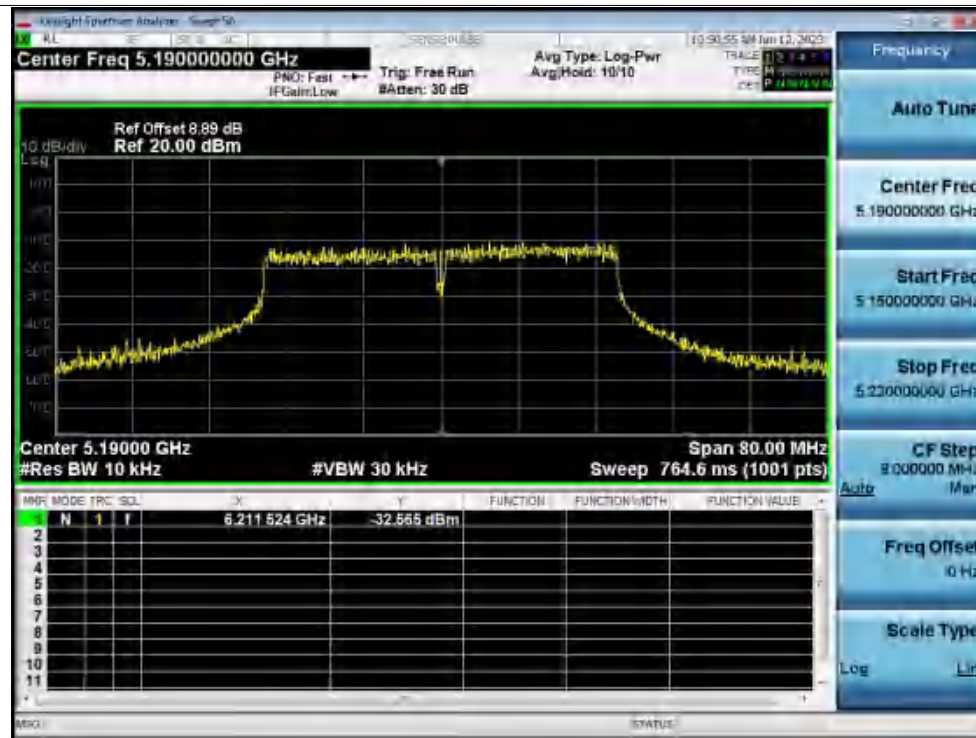
Freq. Stability 40C 120V ac20 5240MHz Ant1 0 Minutes



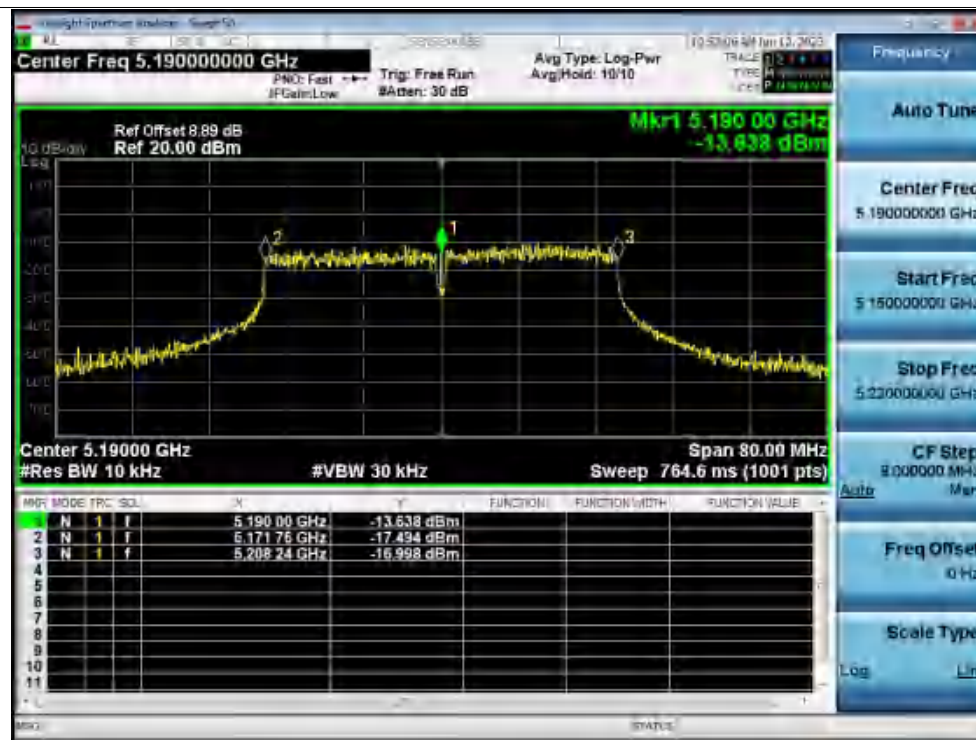
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Freq. Stability 20C 102V ac40 5190MHz Ant1 0 Minutes



Freq. Stability 20C 120V ac40 5190MHz Ant1 0 Minutes



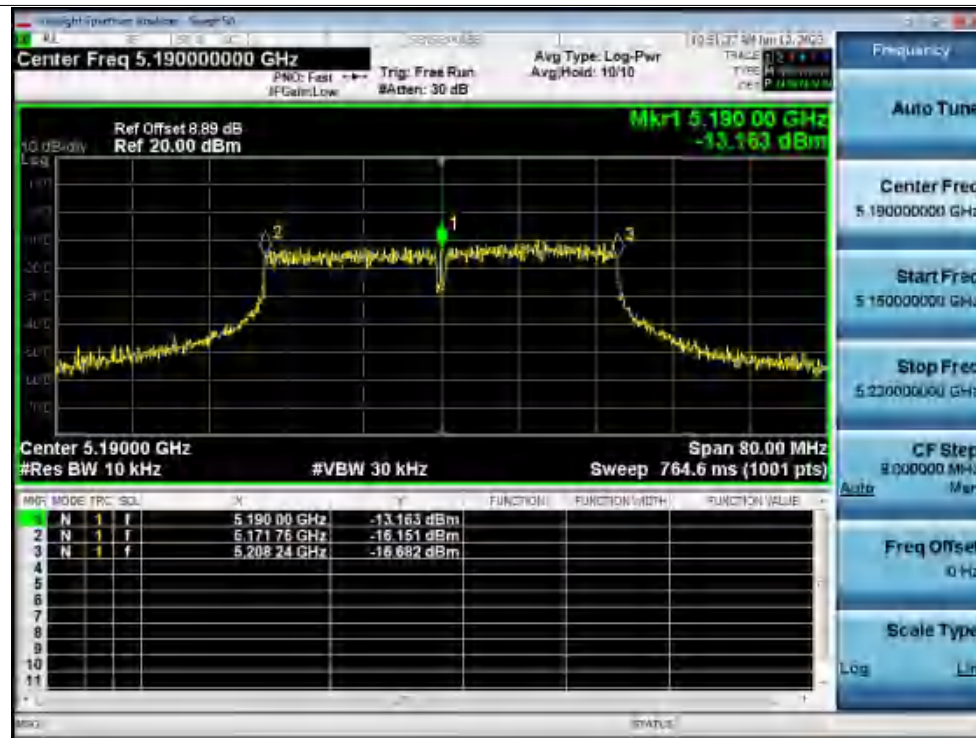
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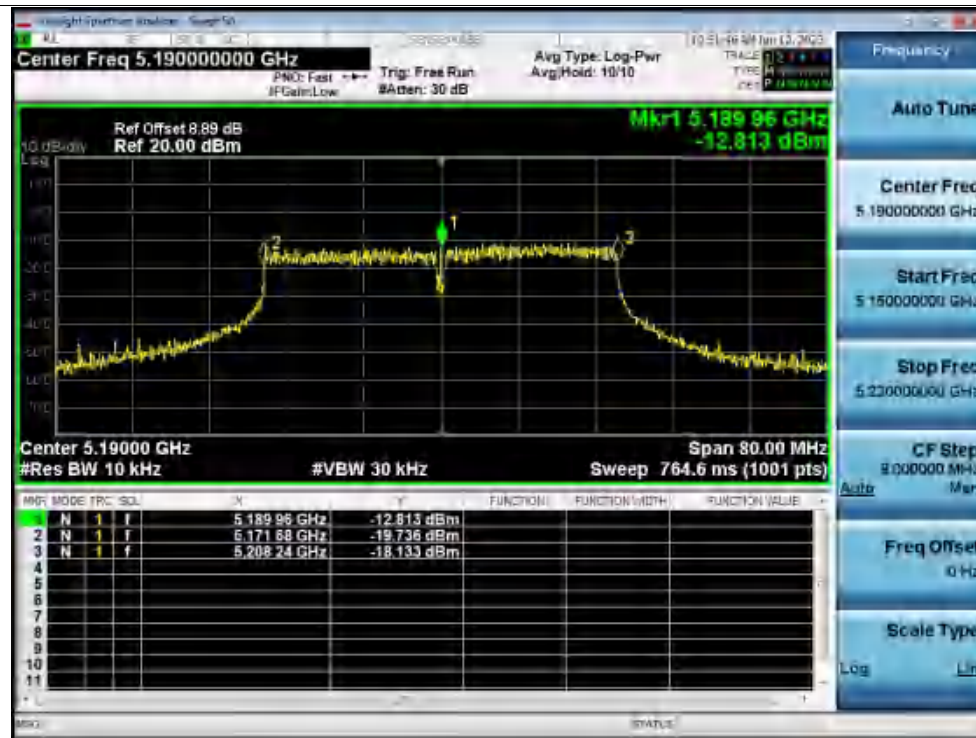
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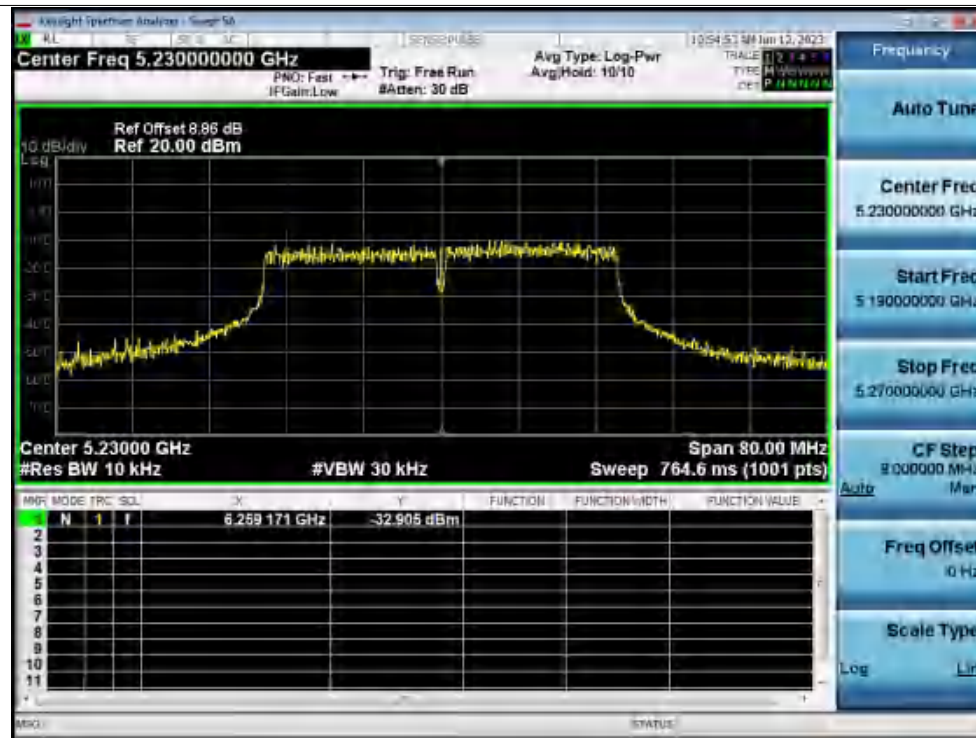
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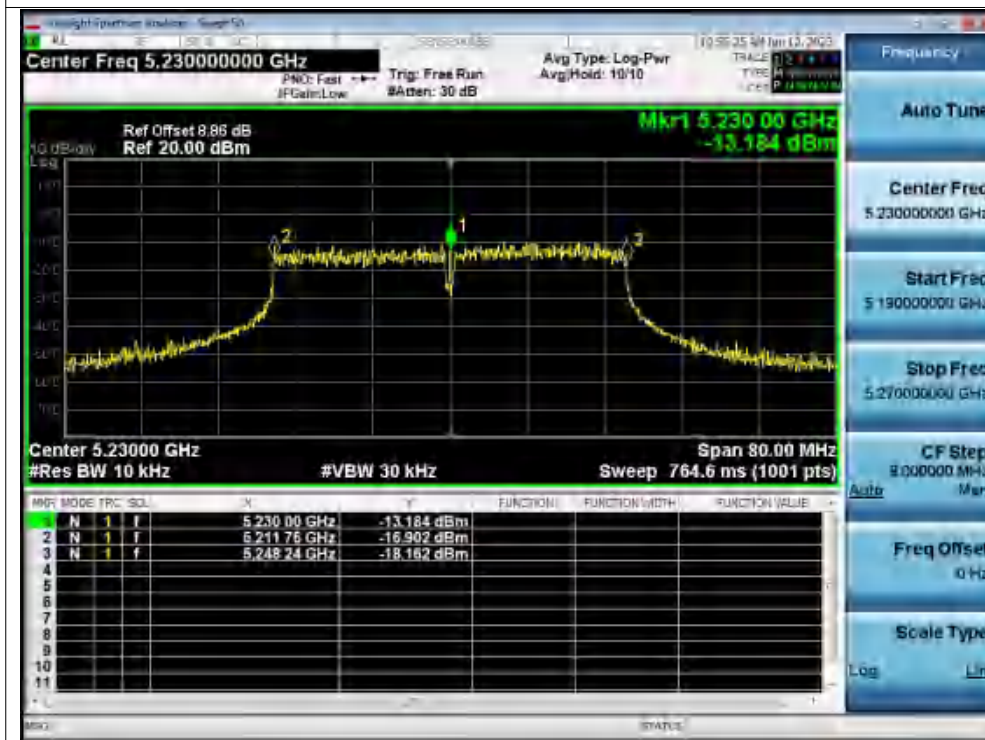
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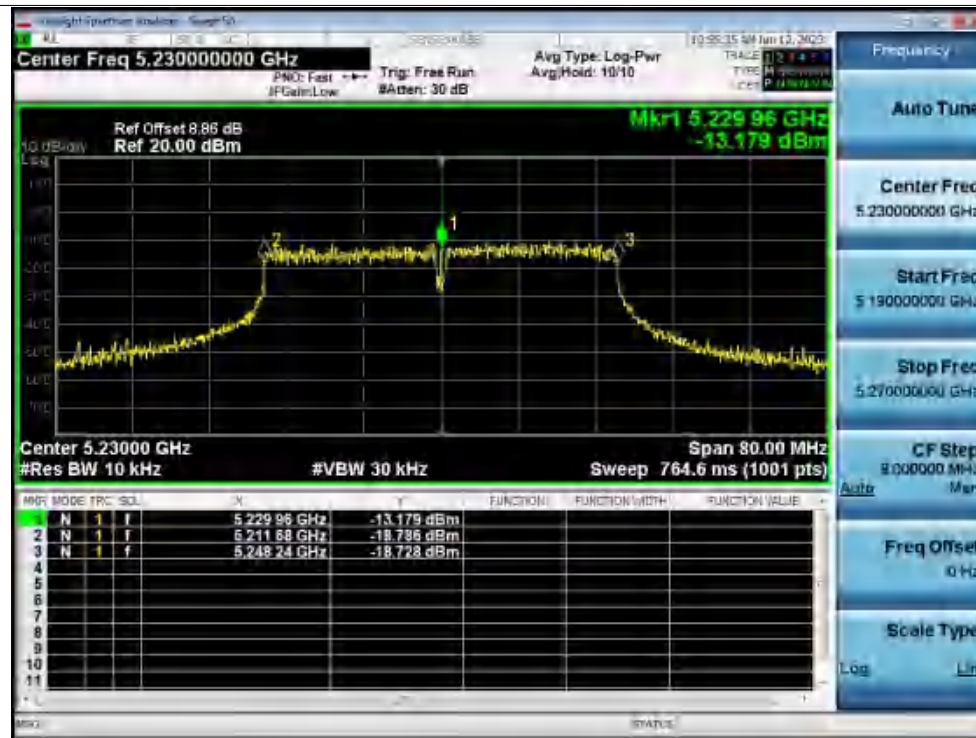
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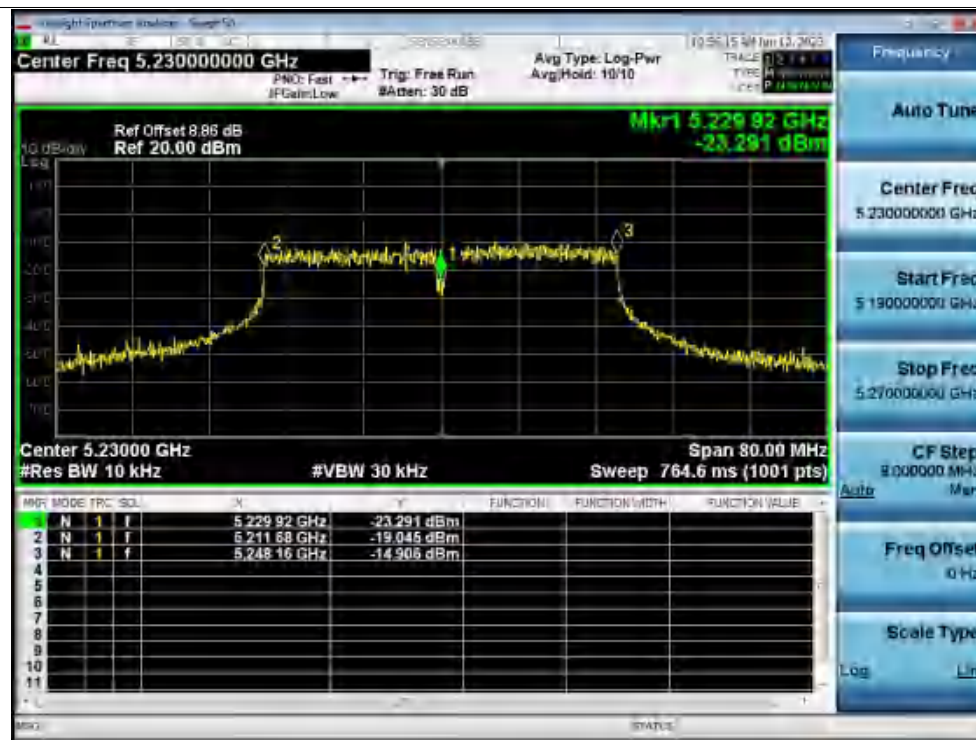
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Freq. Stability 40C 120V ac40 5230MHz Ant1 0 Minutes



Freq. Stability 50C 120V ac40 5230MHz Ant1 0 Minutes



Freq. Stability 20C 102V ax20 5180MHz Ant1 0 Minutes



Freq. Stability 20C 120V ax20 5180MHz Ant1 0 Minutes



Freq. Stability 20C 138V ax20 5180MHz Ant1 0 Minutes



Freq. Stability -20C 120V ax20 5180MHz Ant1 0 Minutes



Freq. Stability -10C 120V ax20 5180MHz Ant1 0 Minutes



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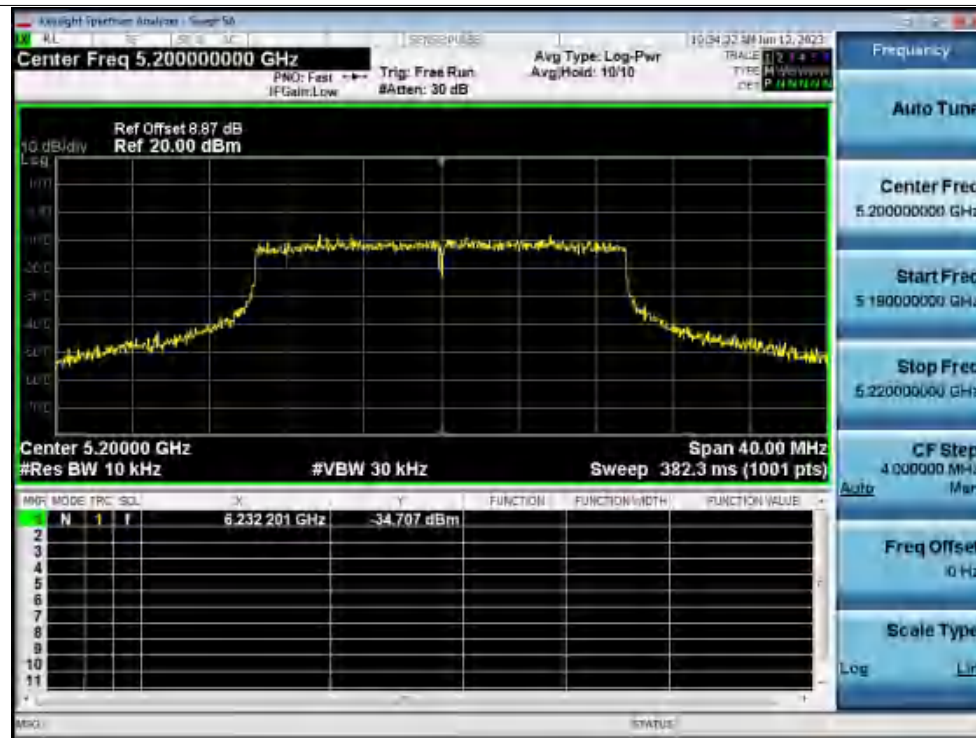
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Freq. Stability 20C 138V ax20 5200MHz Ant1 0 Minutes



Freq. Stability -20C 120V ax20 5200MHz Ant1 0 Minutes



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Freq. Stability 10C 120V ax20 5200MHz Ant1 0 Minutes



Freq. Stability 30C 120V ax20 5200MHz Ant1 0 Minutes



Freq. Stability 40C 120V ax20 5200MHz Ant1 0 Minutes



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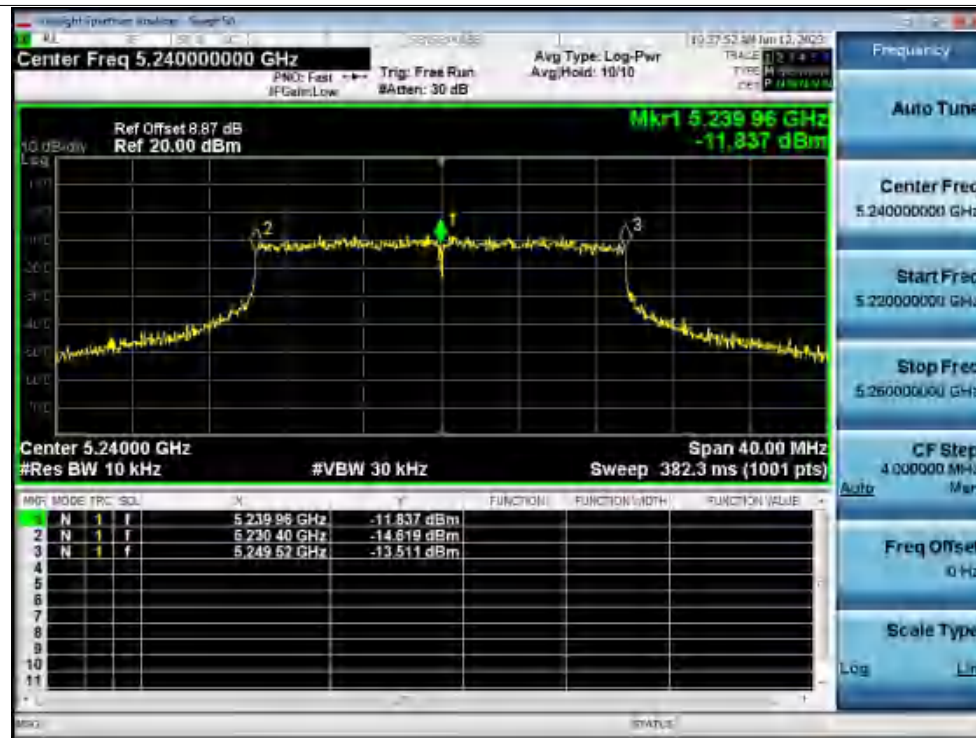
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Freq. Stability 30C 120V ax20 5240MHz Ant1 0 Minutes



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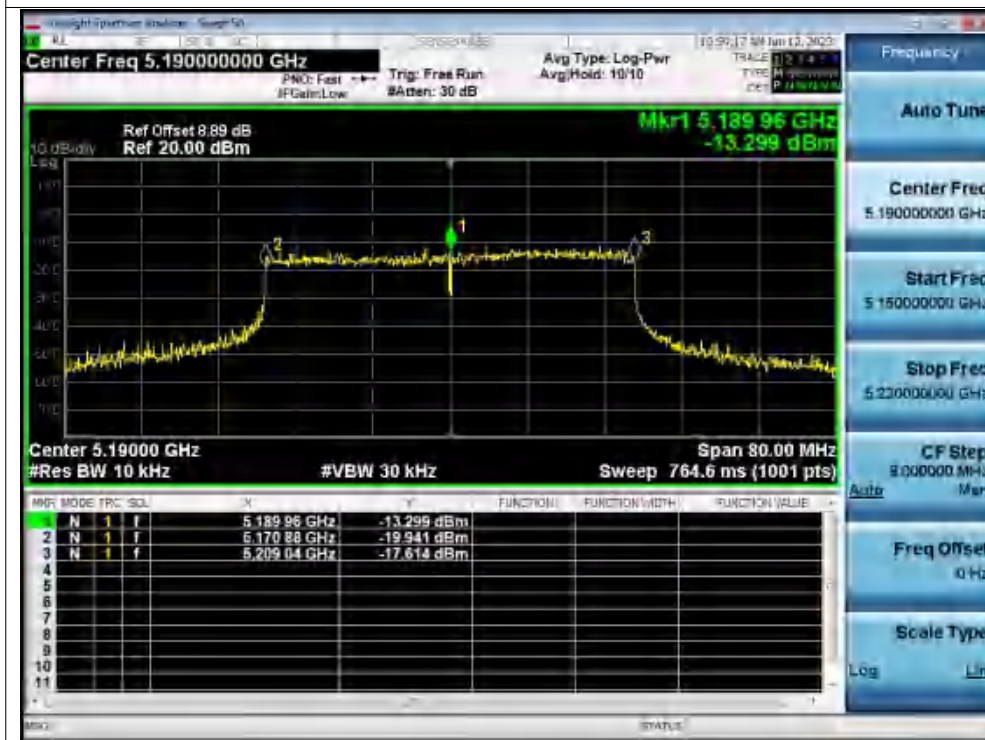
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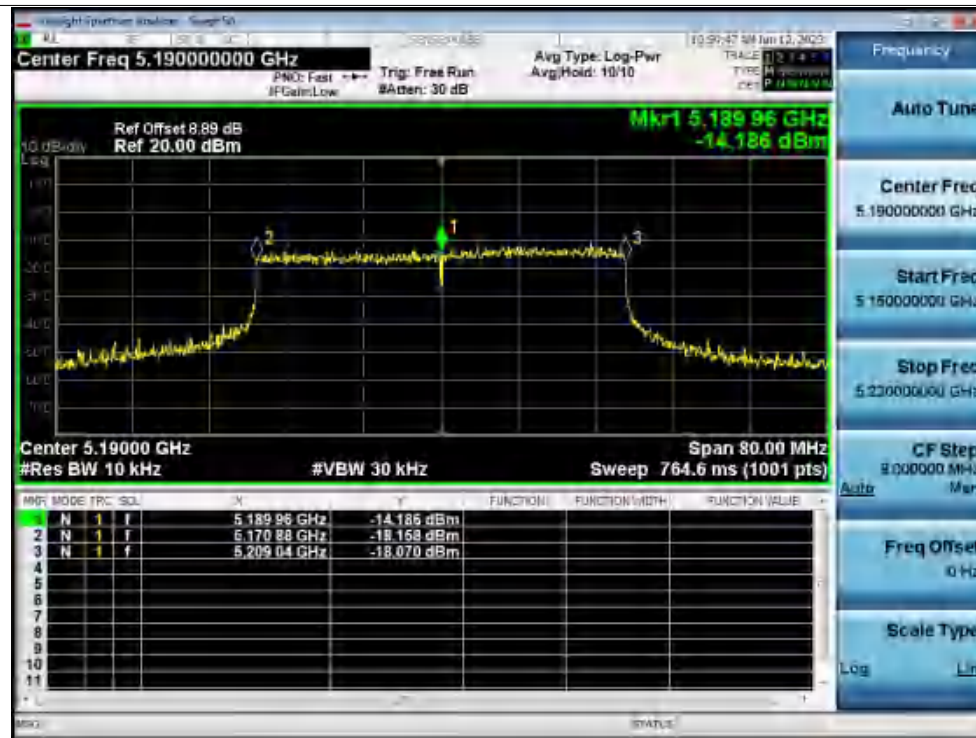
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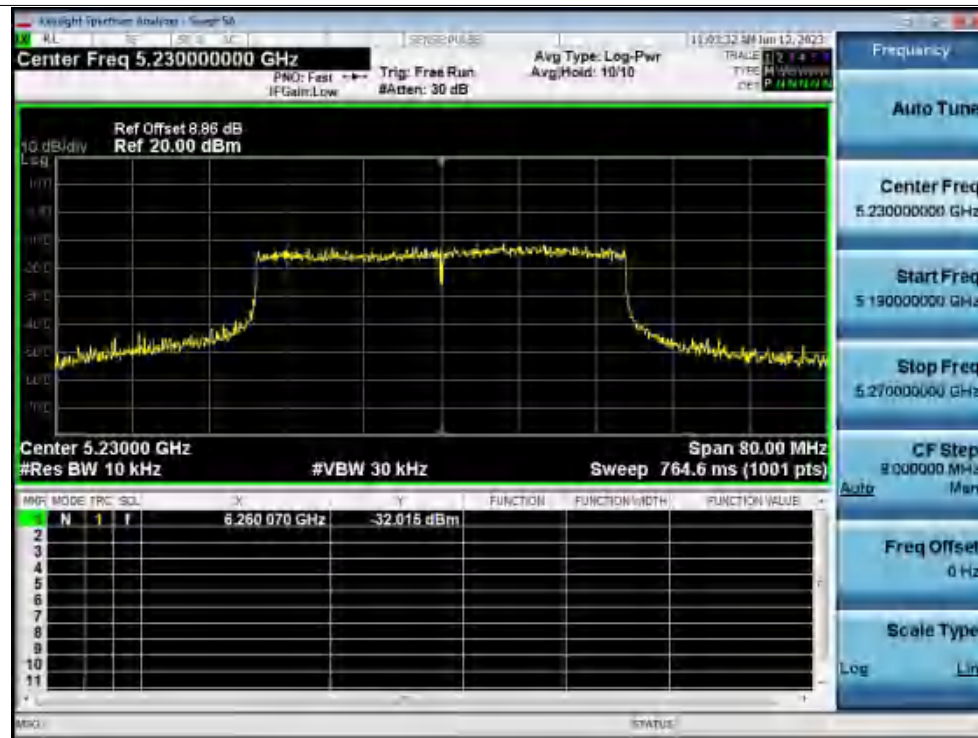
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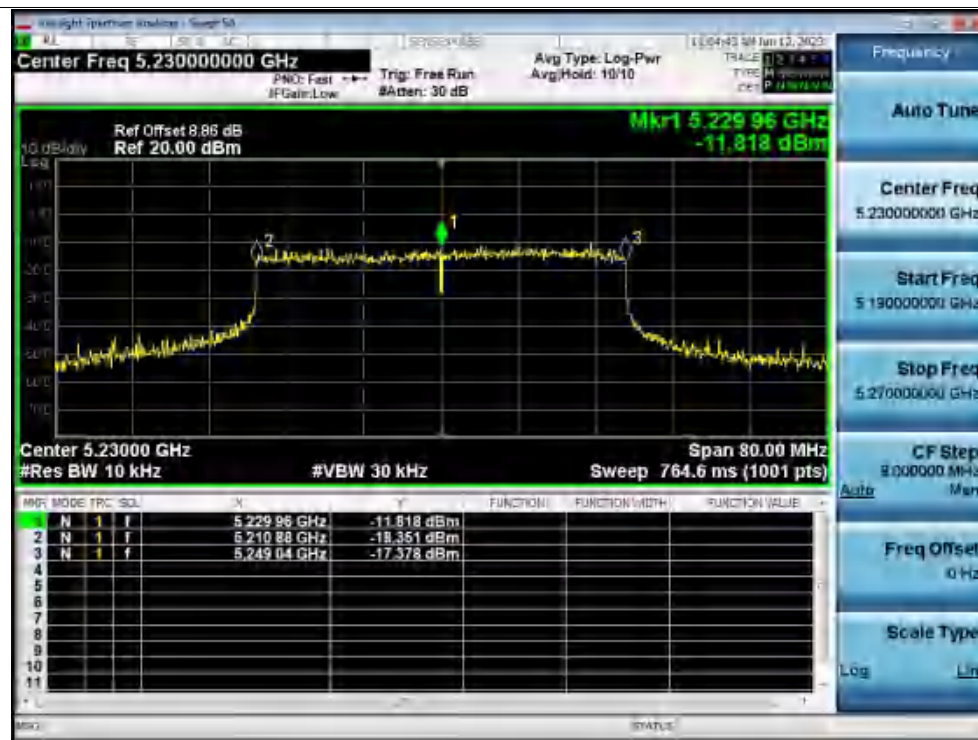
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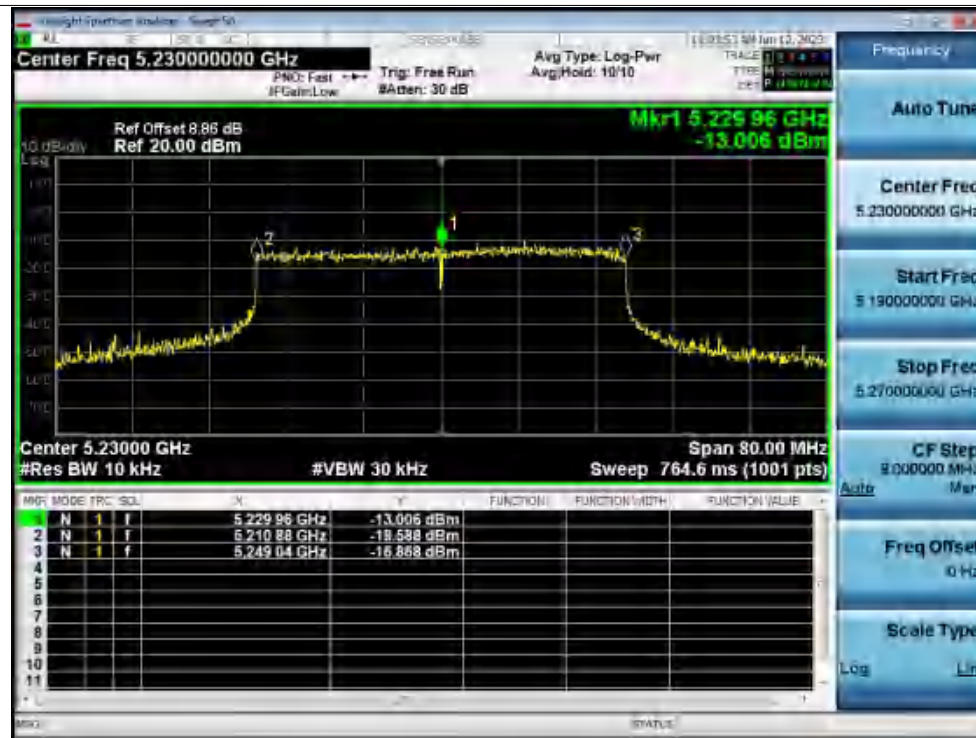
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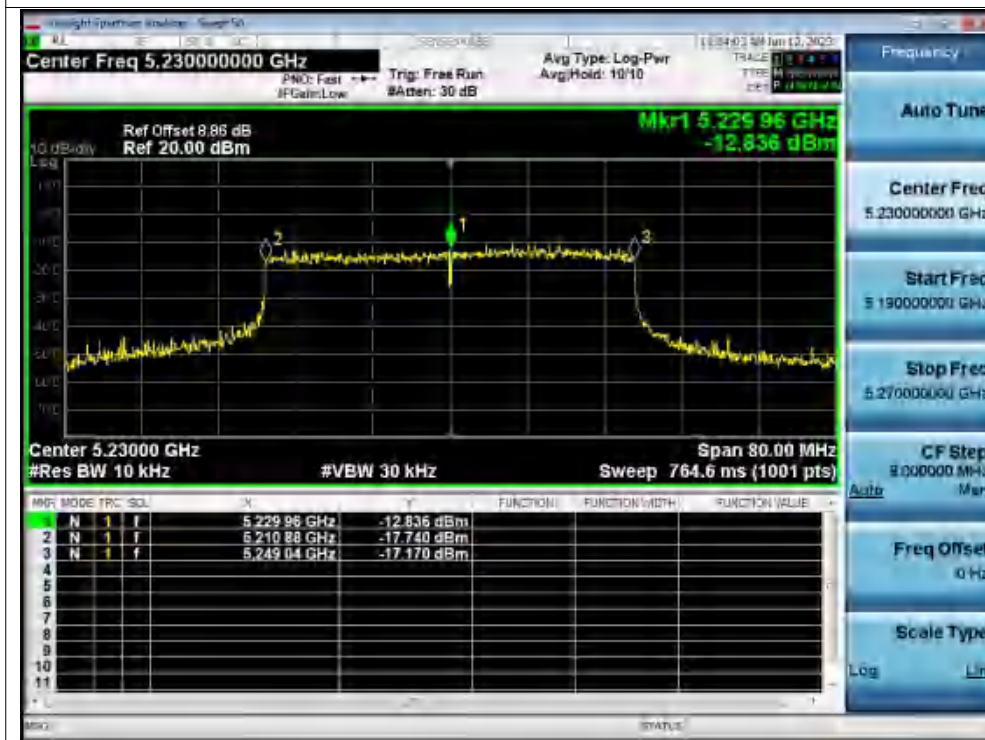
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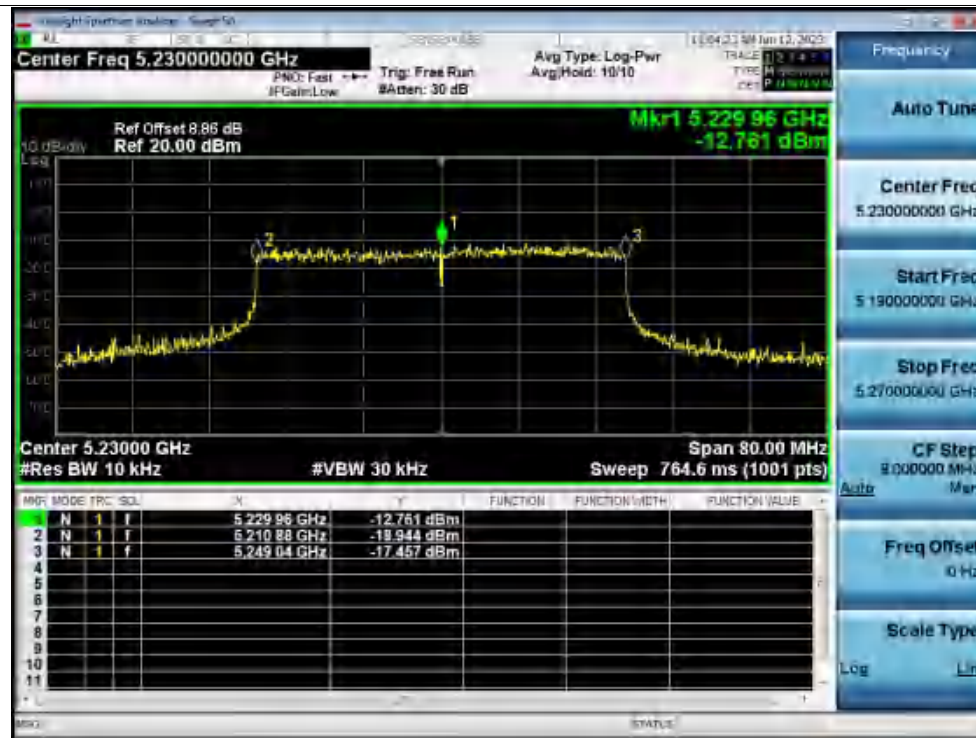
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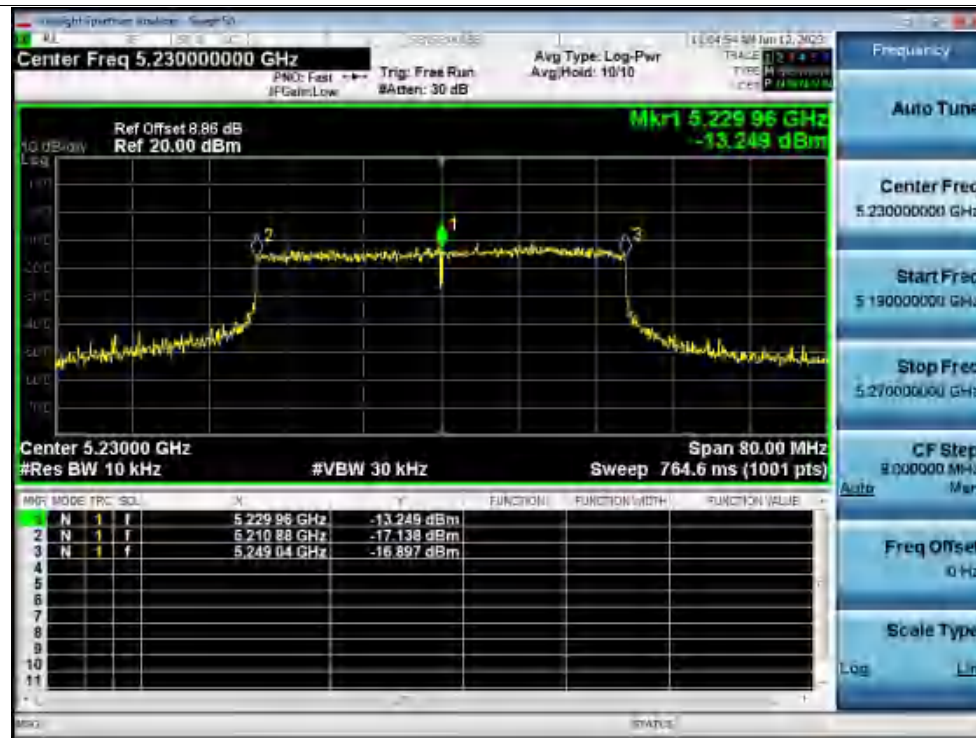
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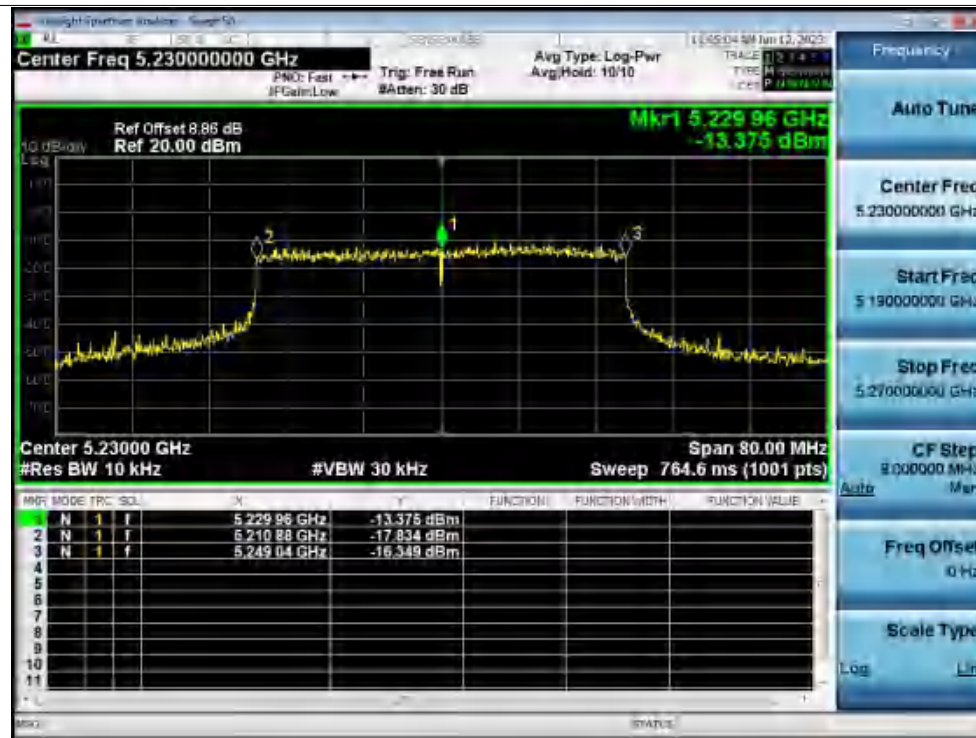
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