

Appendix D

RF Test Data for 5.2GWIFI(Conducted Measurement)

Product Name: Android TV Box

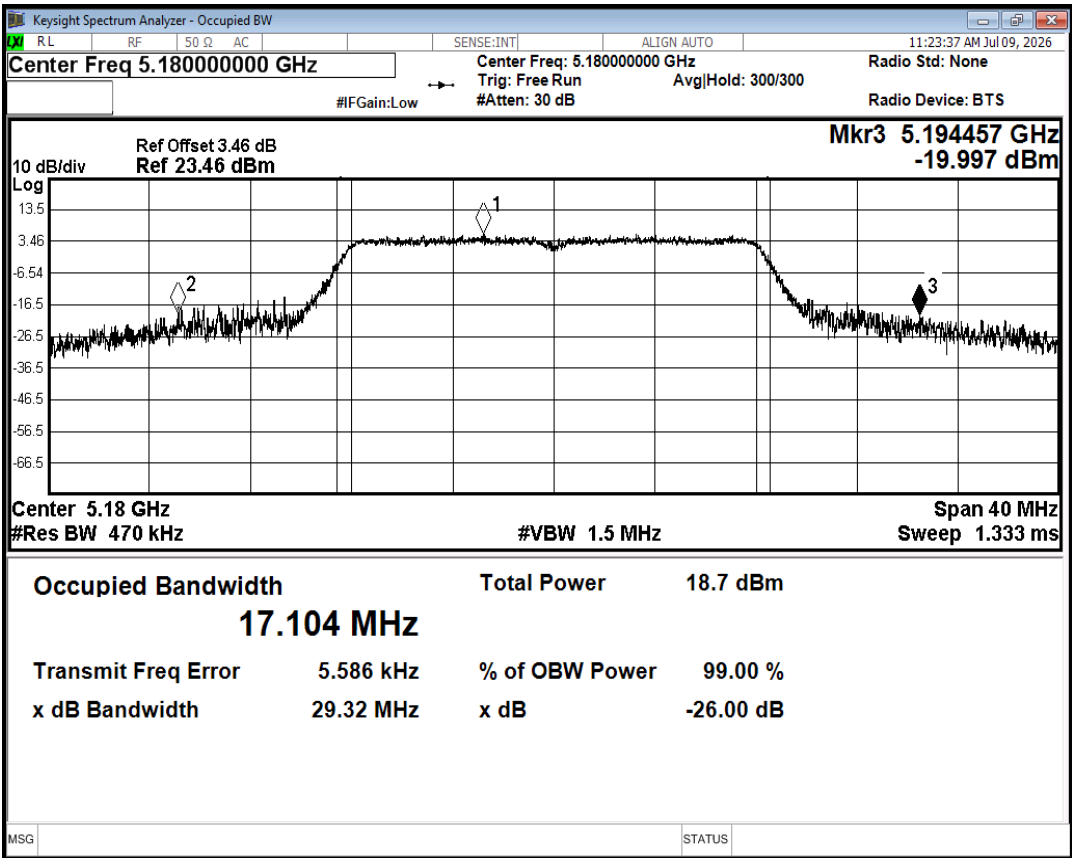
Test Model: Q11

Environmental Conditions

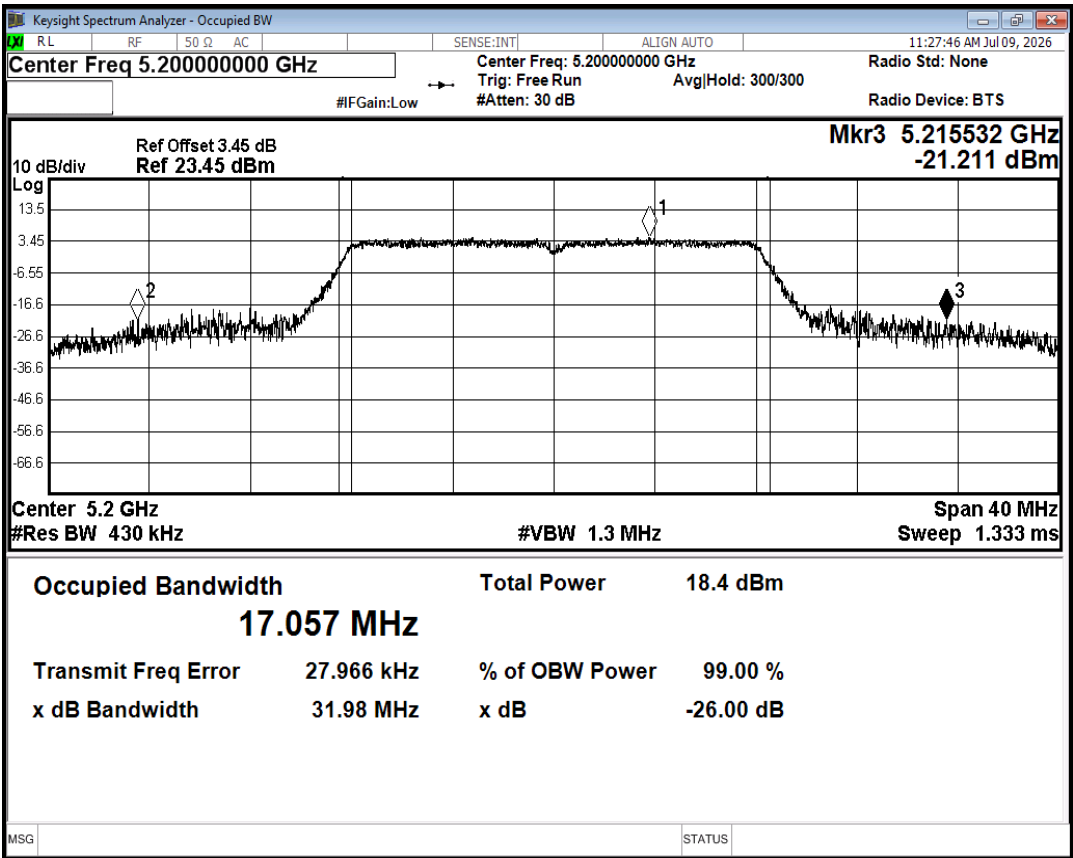
Temperature:	23.1°C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Suichao Lai
Supervised by:	Fengliu Tang

D.1 -26dB Bandwidth

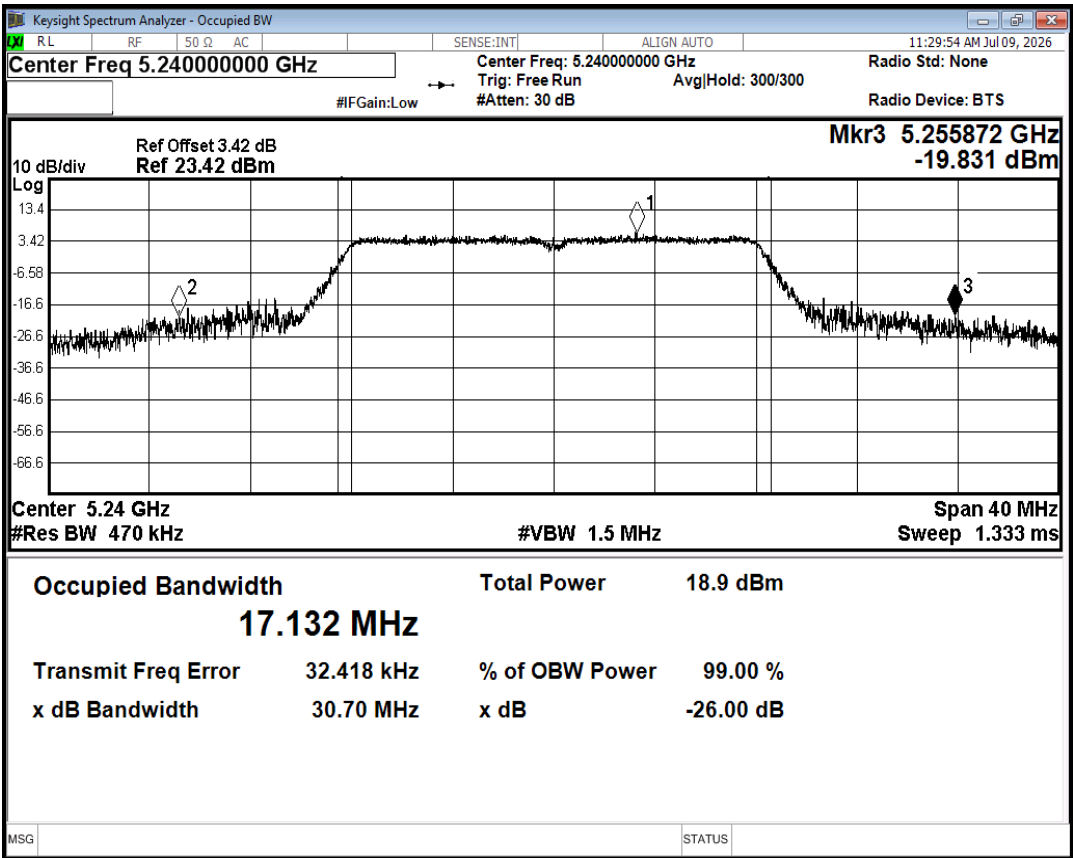
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	29.32
NVNT	a	5200	Ant1	31.98
NVNT	a	5240	Ant1	30.7
NVNT	n20	5180	Ant1	31.76
NVNT	n20	5200	Ant1	34.83
NVNT	n20	5240	Ant1	36.99
NVNT	n40	5190	Ant1	53.24
NVNT	n40	5230	Ant1	55.05
NVNT	ac20	5180	Ant1	33.67
NVNT	ac20	5200	Ant1	32.37
NVNT	ac20	5240	Ant1	33.95
NVNT	ac40	5190	Ant1	49.99
NVNT	ac40	5230	Ant1	55.67
NVNT	ac80	5210	Ant1	86.79



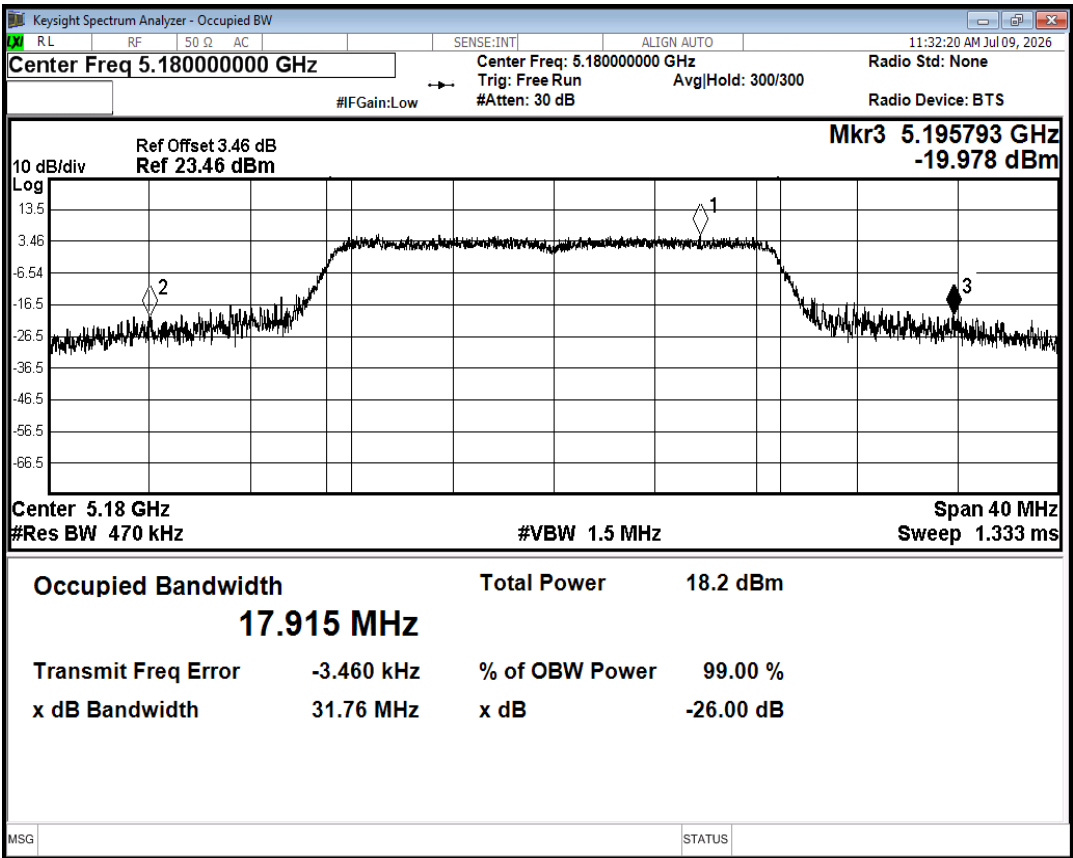
-26dB Bandwidth NVNT a 5180MHz Ant1



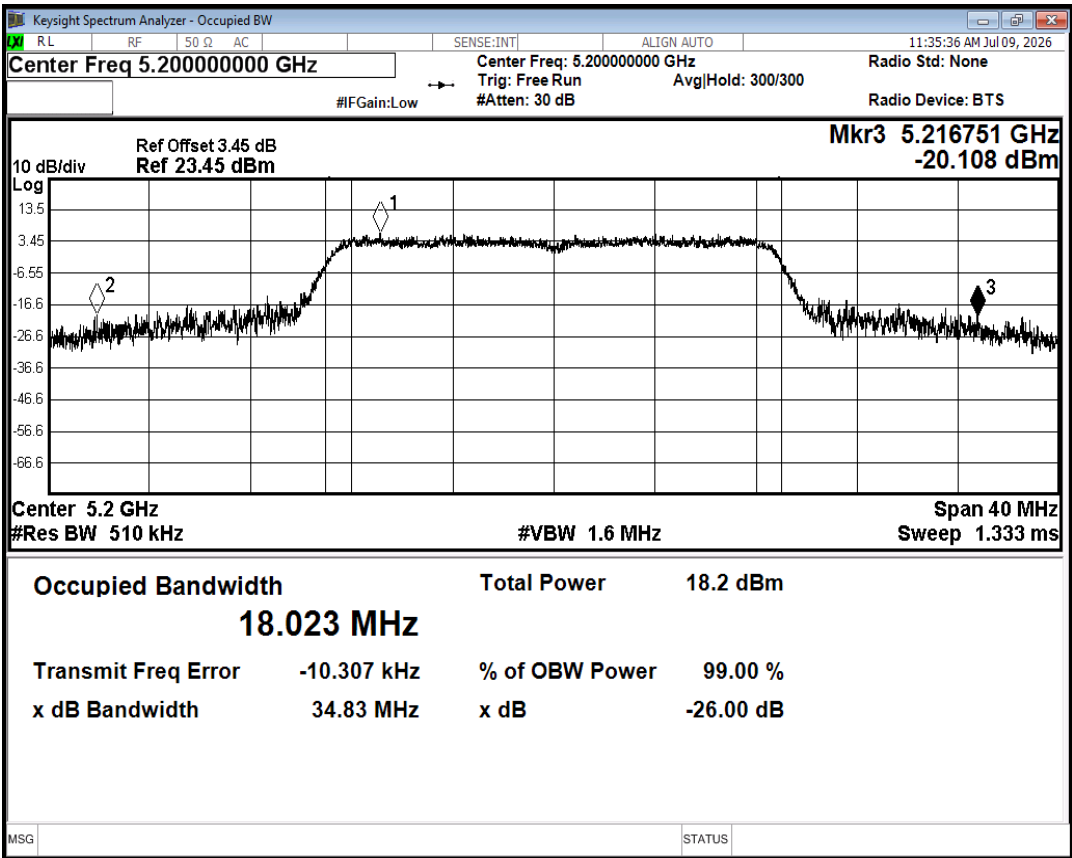
-26dB Bandwidth NVNT a 5200MHz Ant1



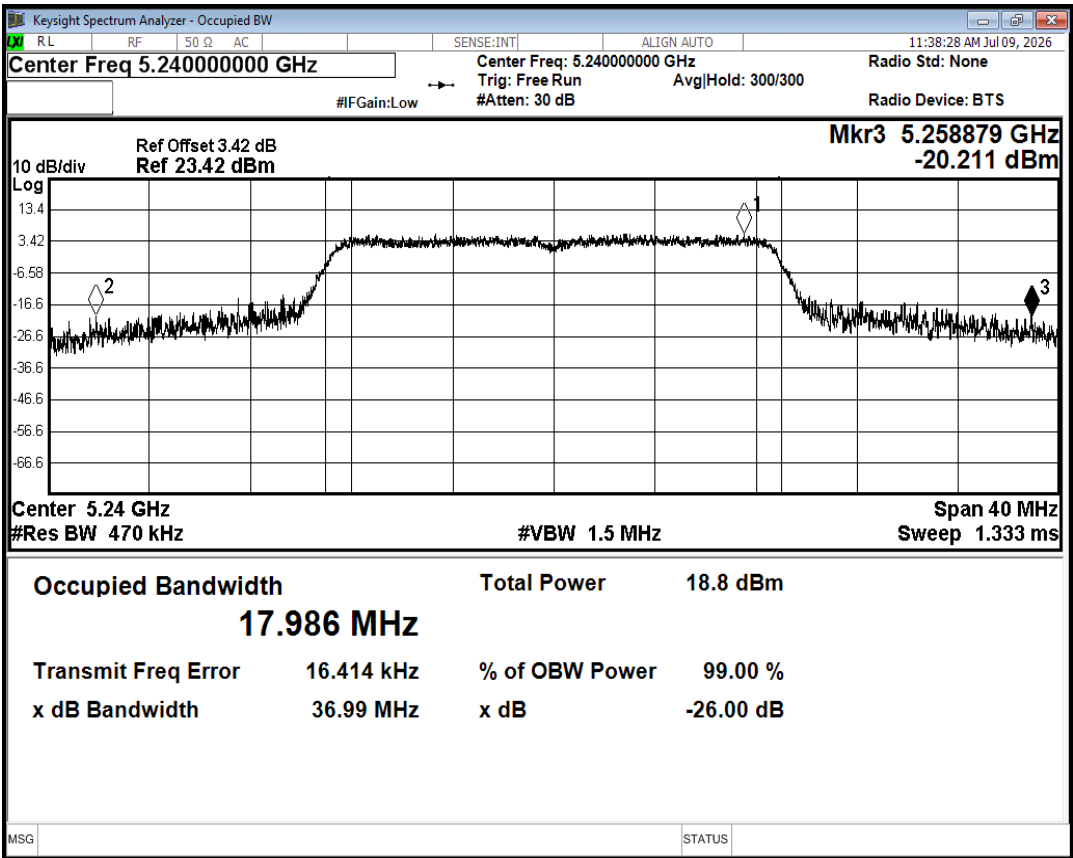
-26dB Bandwidth NVNT a 5240MHz Ant1



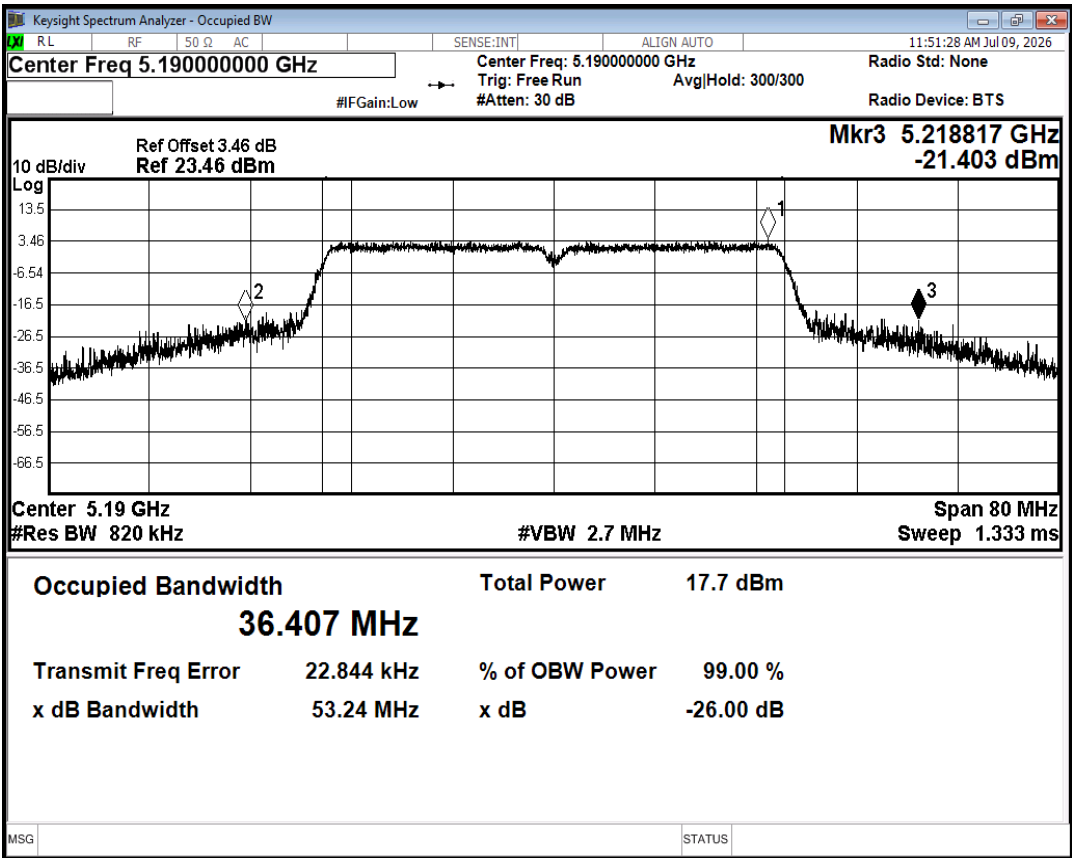
-26dB Bandwidth NVNT n20 5180MHz Ant1



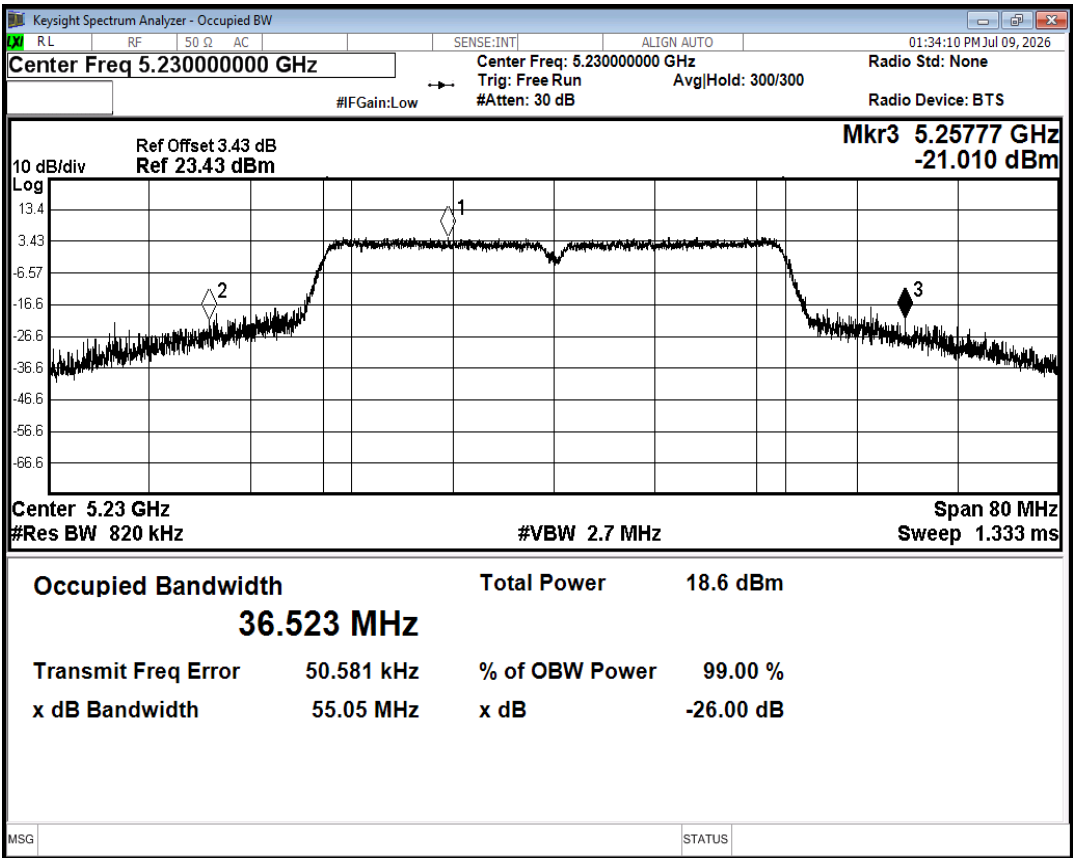
-26dB Bandwidth NVNT n20 5200MHz Ant1



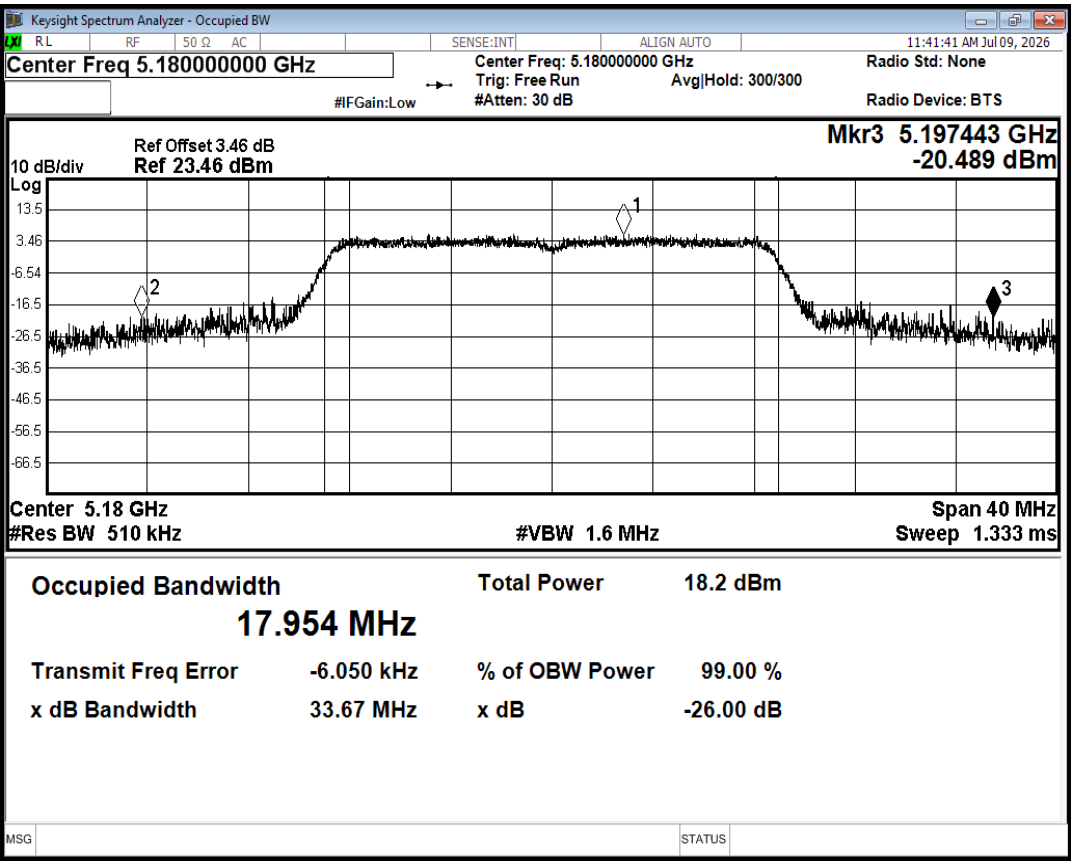
-26dB Bandwidth NVNT n20 5240MHz Ant1



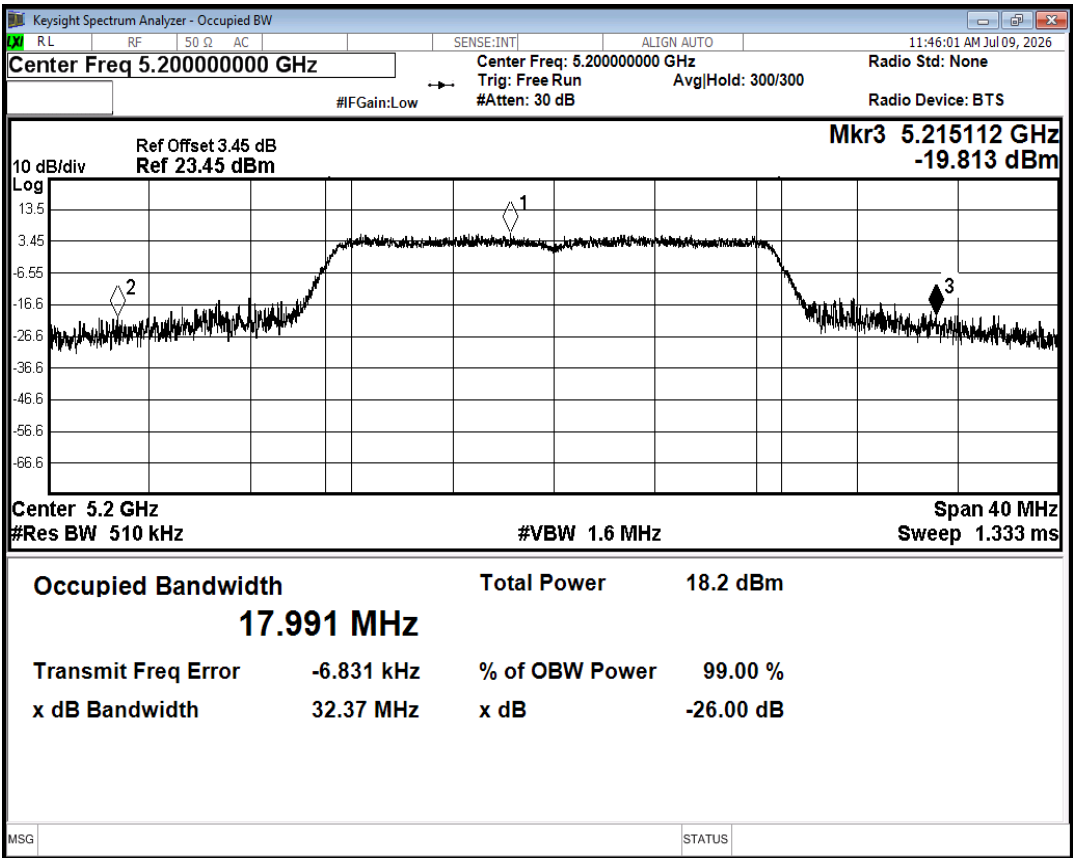
-26dB Bandwidth NVNT n40 5190MHz Ant1



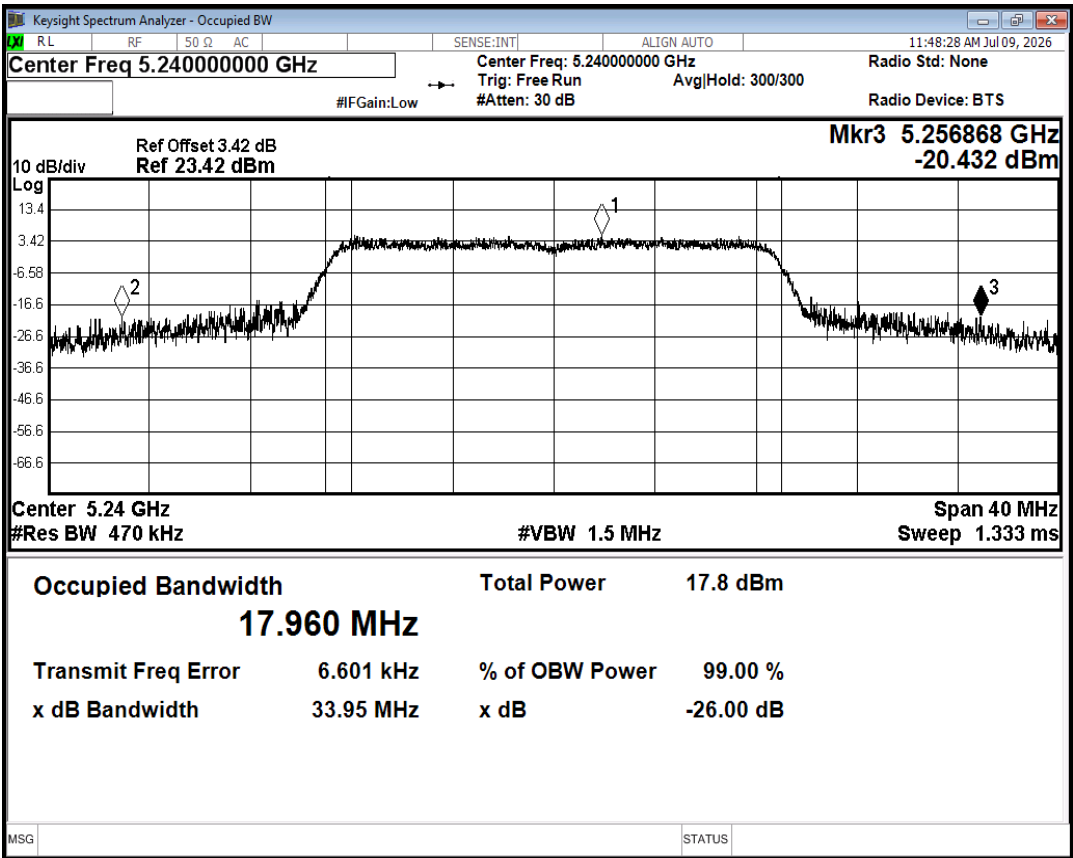
-26dB Bandwidth NVNT n40 5230MHz Ant1



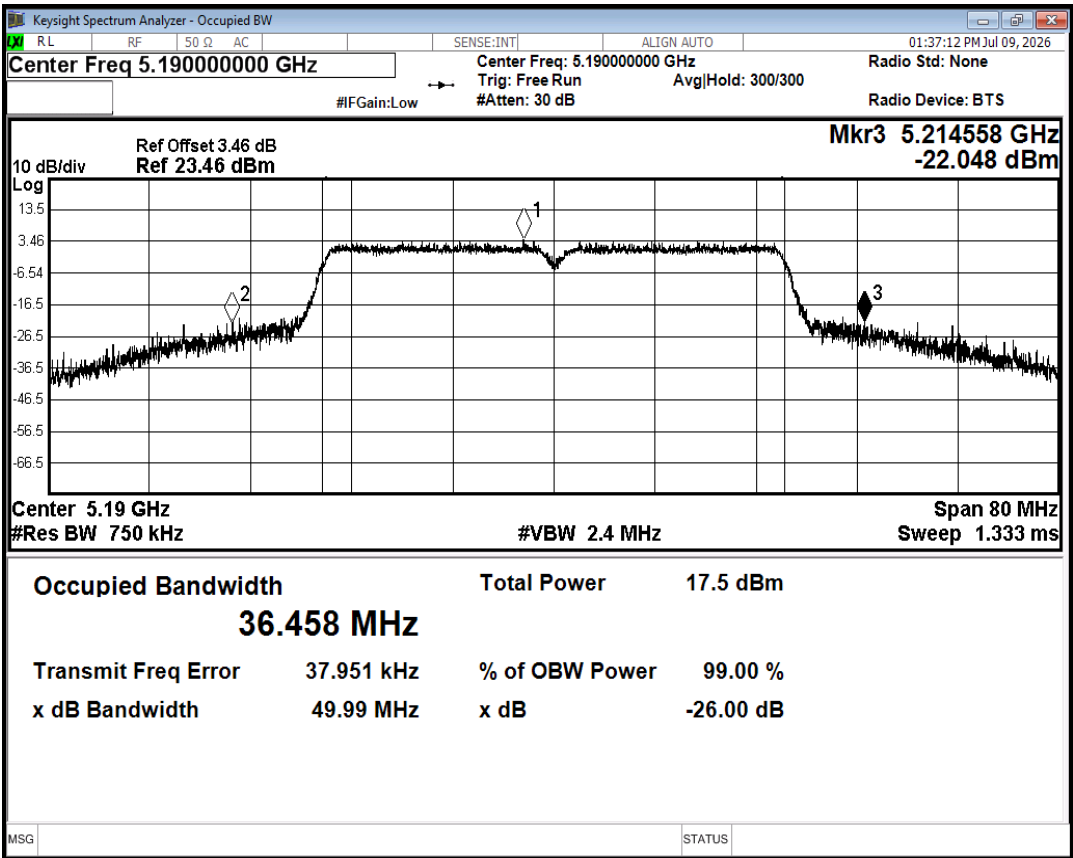
-26dB Bandwidth NVNT ac20 5180MHz Ant1



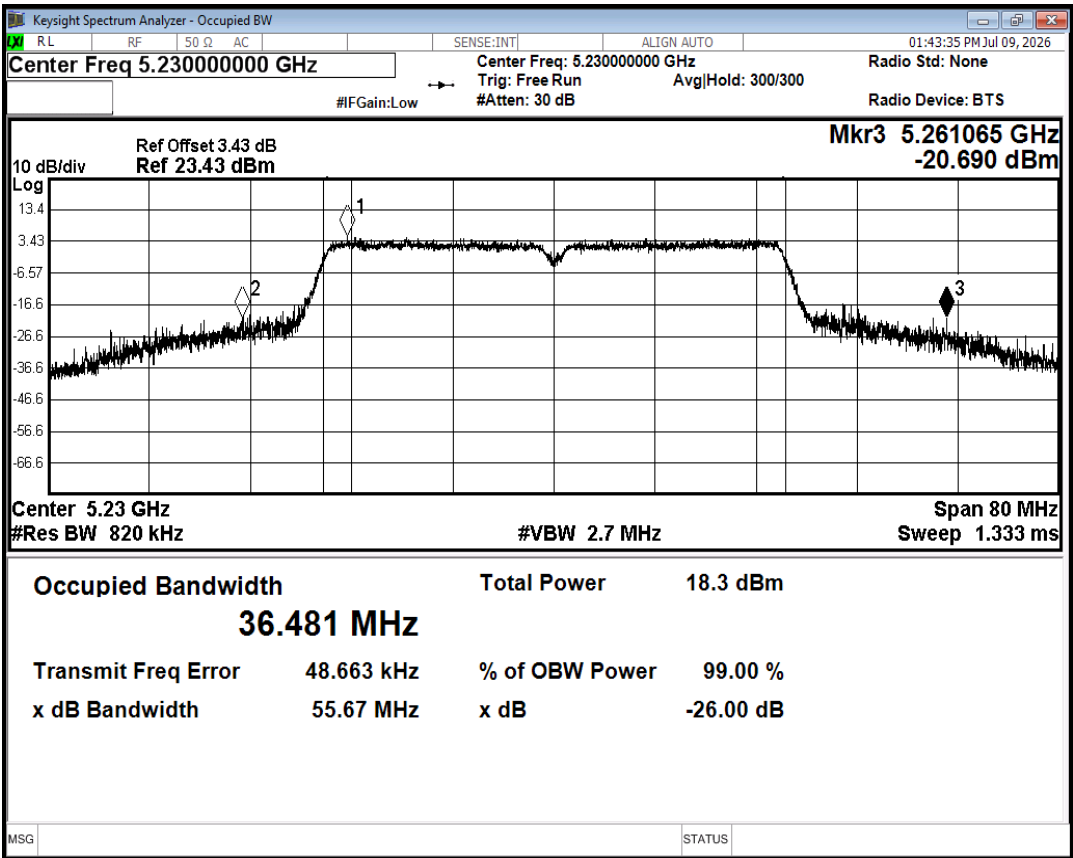
-26dB Bandwidth NVNT ac20 5200MHz Ant1



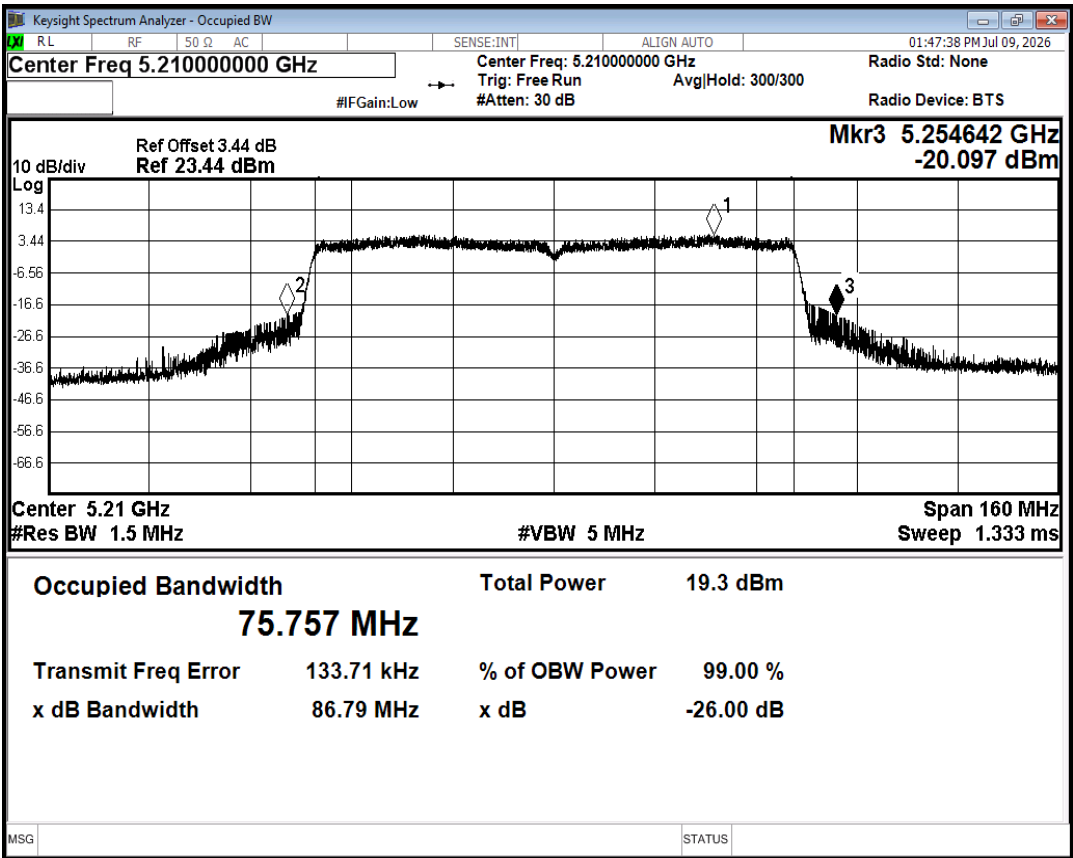
-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1

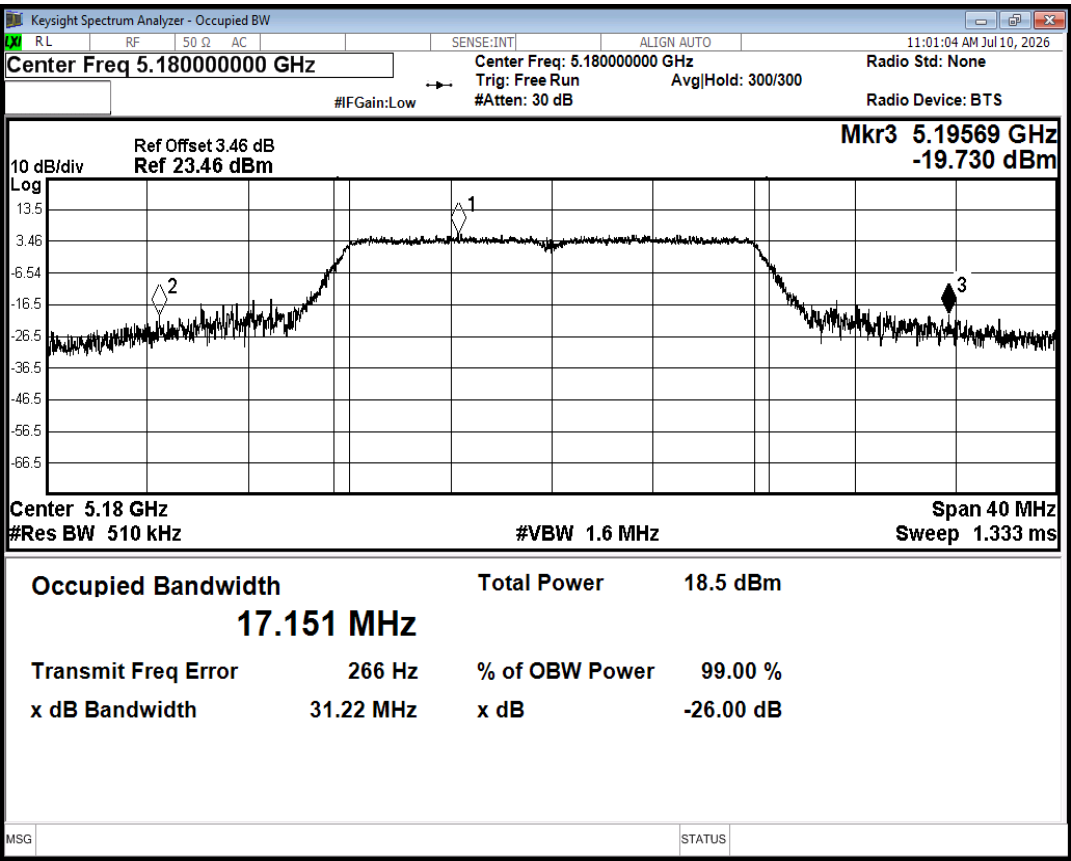


-26dB Bandwidth NVNT ac40 5230MHz Ant1

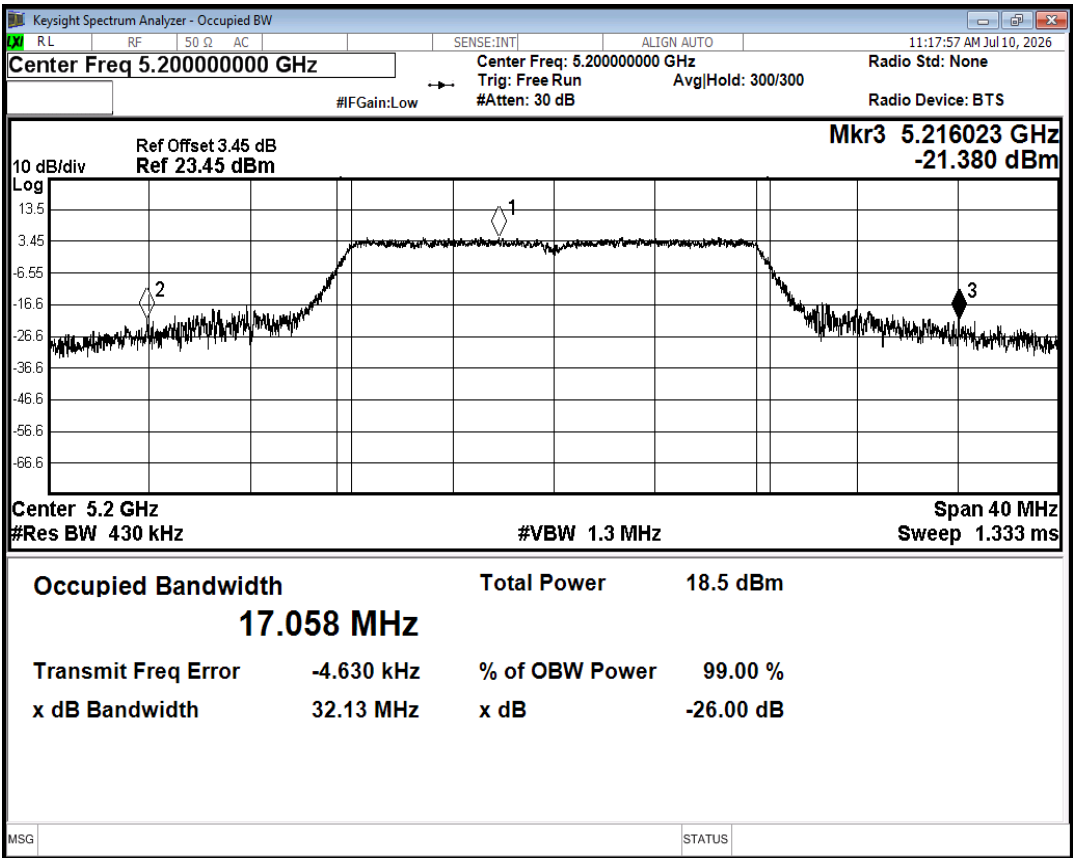


-26dB Bandwidth NVNT ac80 5210MHz Ant1

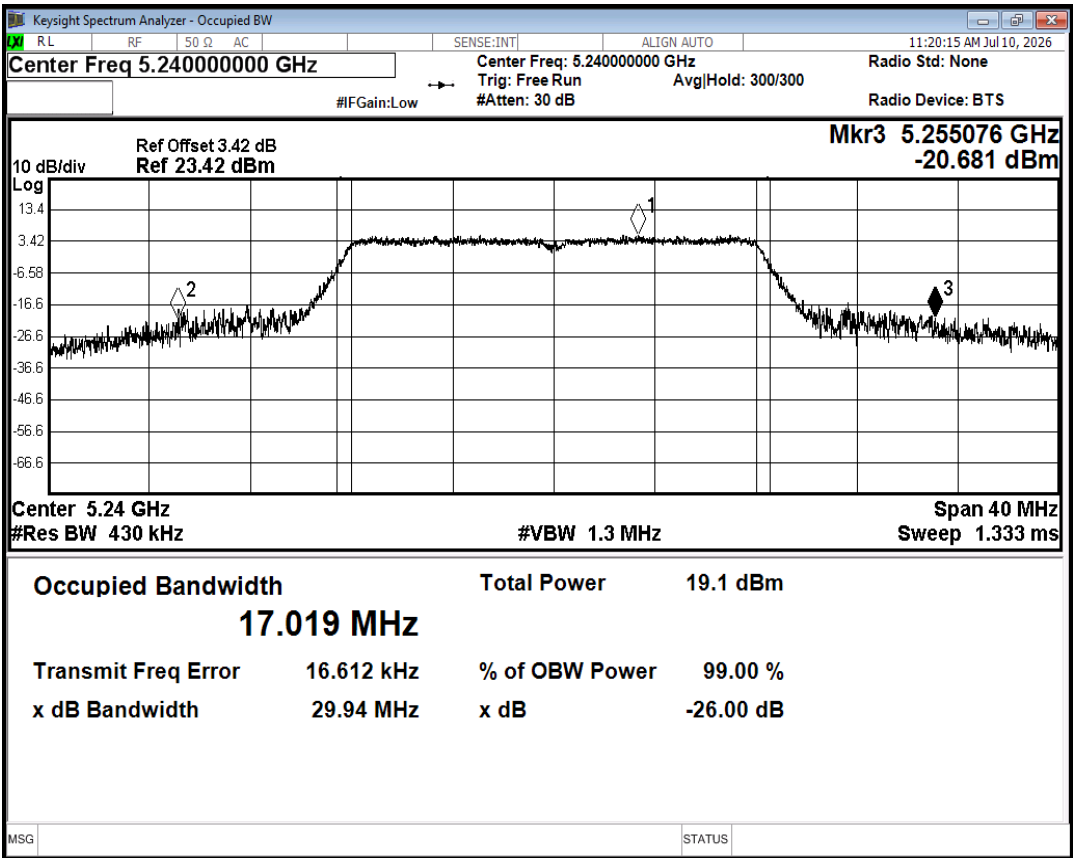
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant2	31.22
NVNT	a	5200	Ant2	32.13
NVNT	a	5240	Ant2	29.94
NVNT	n20	5180	Ant2	31.9
NVNT	n20	5200	Ant2	33.21
NVNT	n20	5240	Ant2	32.87
NVNT	n40	5190	Ant2	47.58
NVNT	n40	5230	Ant2	51.12
NVNT	ac20	5180	Ant2	32.79
NVNT	ac20	5200	Ant2	32.09
NVNT	ac20	5240	Ant2	34.22
NVNT	ac40	5190	Ant2	53.82
NVNT	ac40	5230	Ant2	58.84
NVNT	ac80	5210	Ant2	88.91



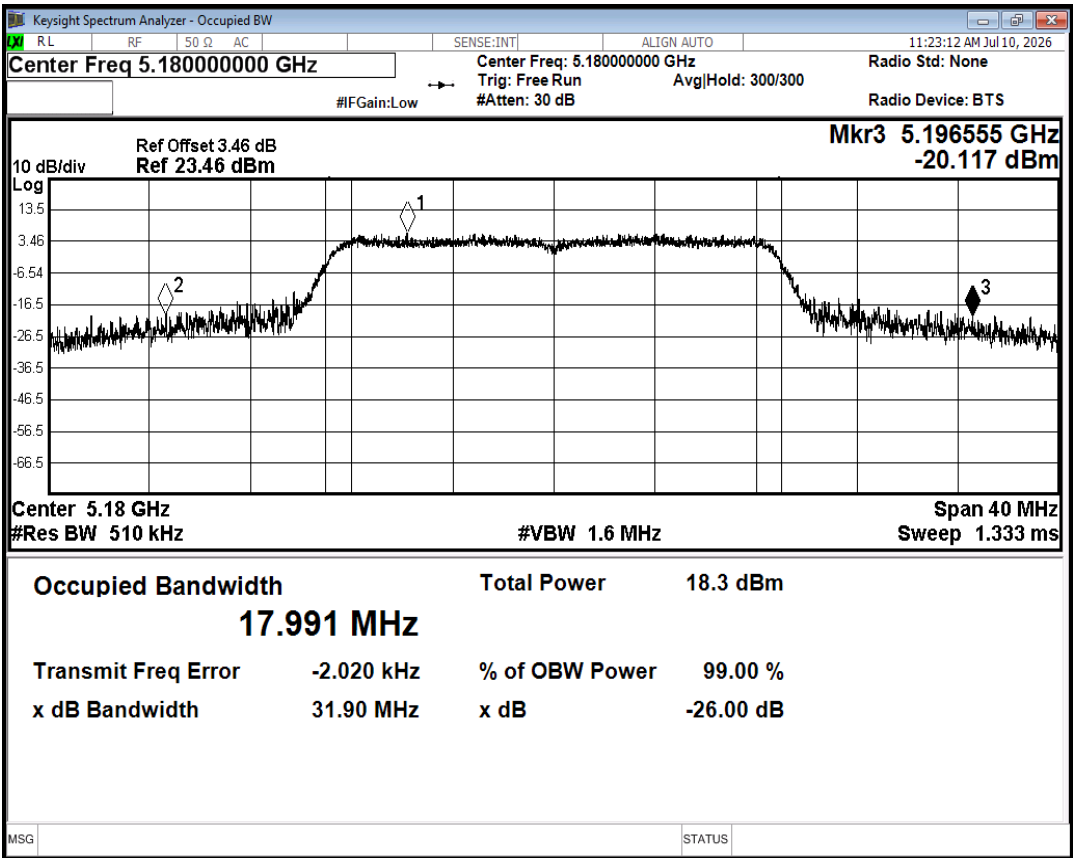
-26dB Bandwidth NVNT a 5180MHz Ant2



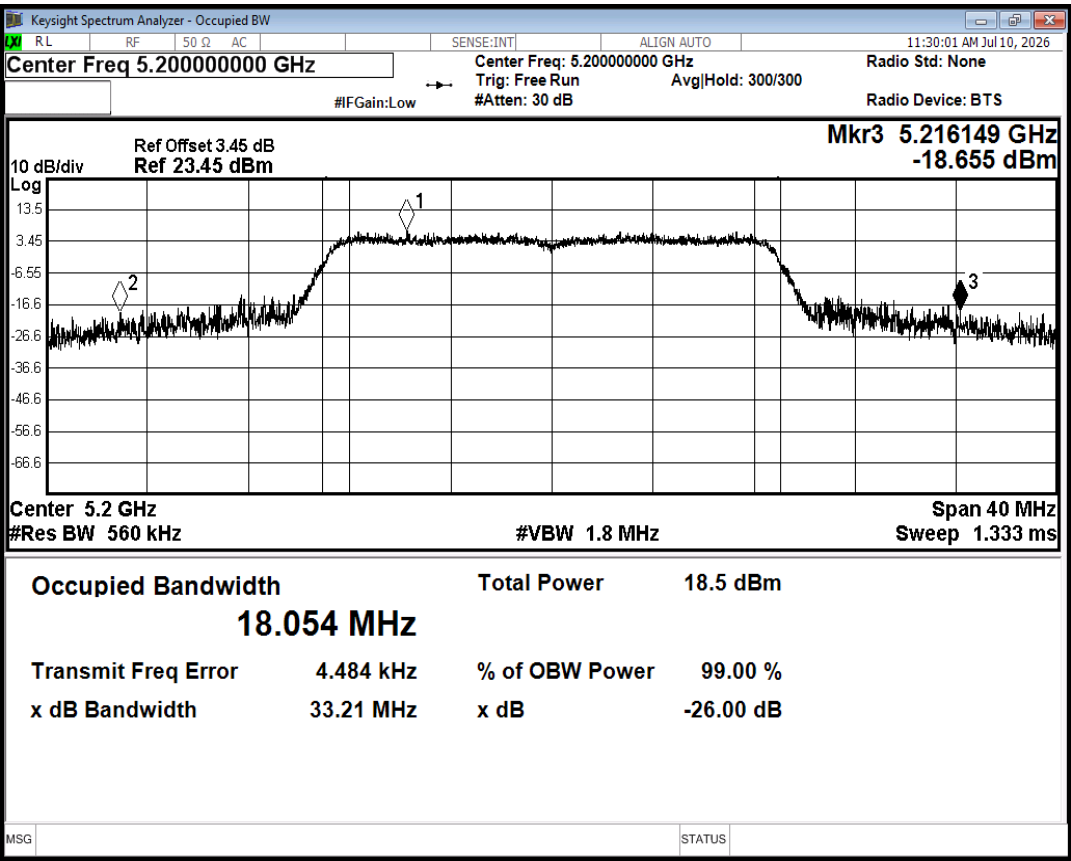
-26dB Bandwidth NVNT a 5200MHz Ant2



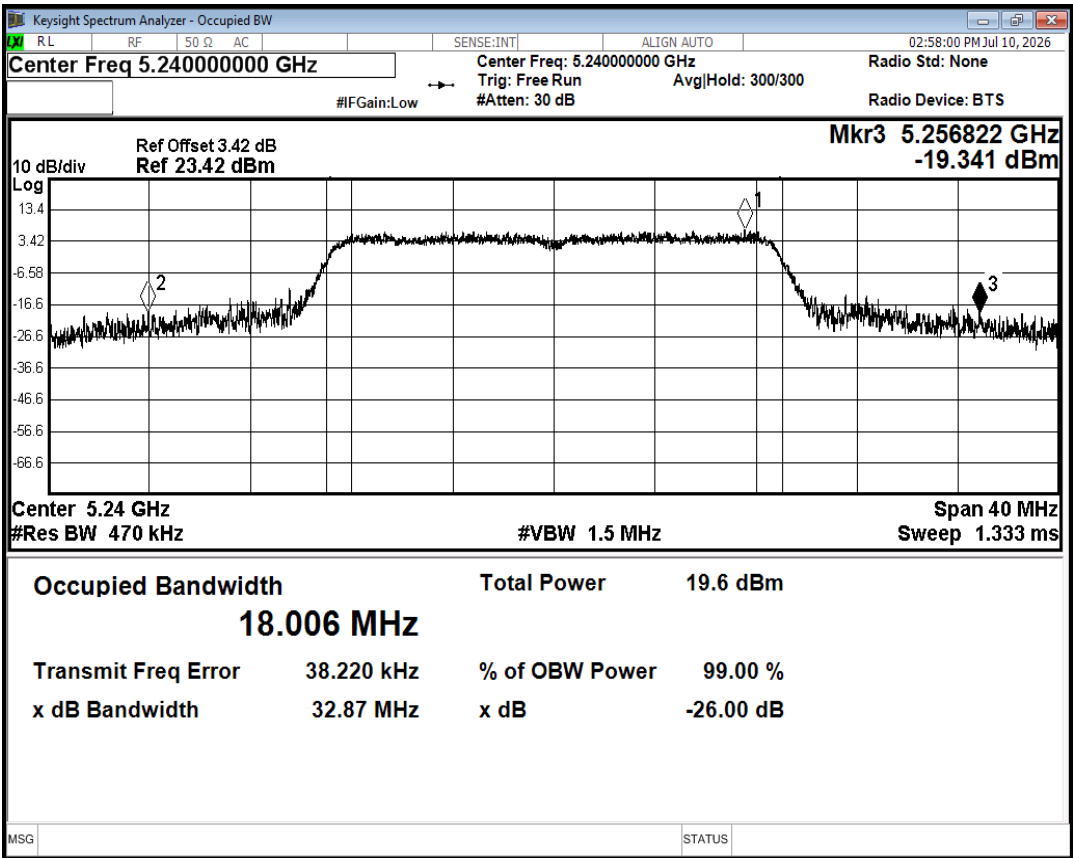
-26dB Bandwidth NVNT a 5240MHz Ant2



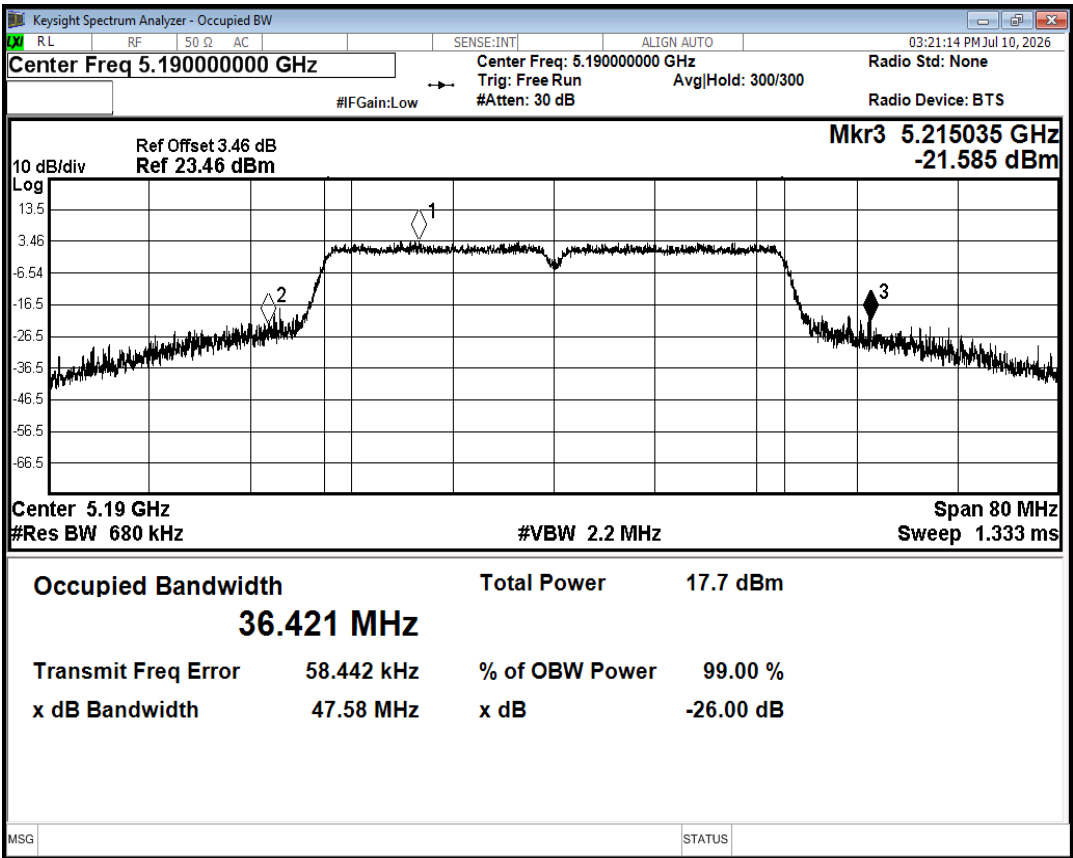
-26dB Bandwidth NVNT n20 5180MHz Ant2



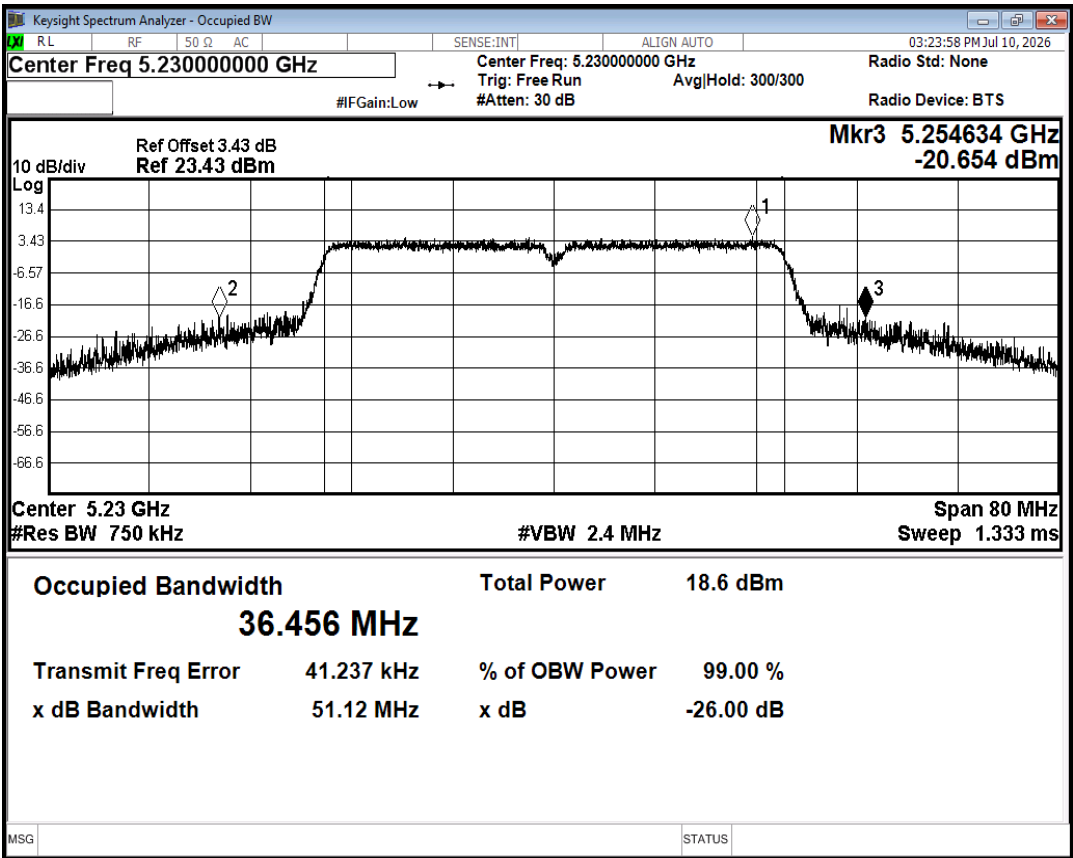
-26dB Bandwidth NVNT n20 5200MHz Ant2



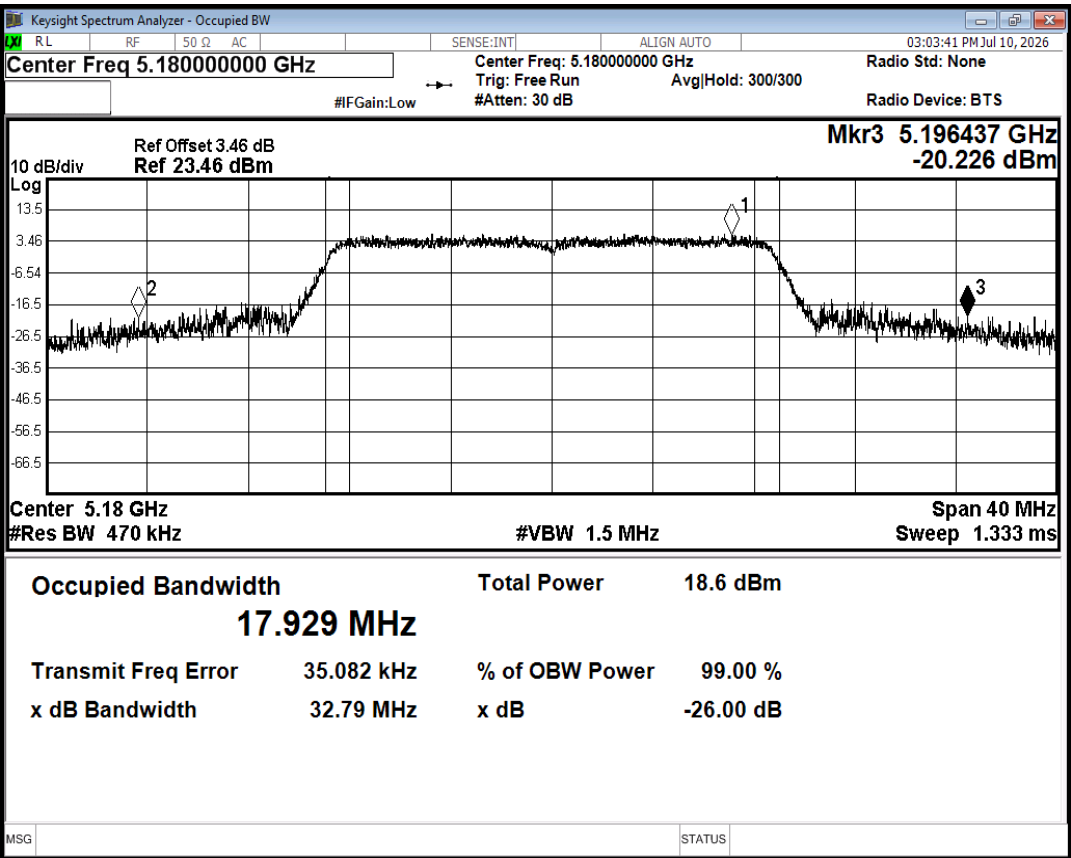
-26dB Bandwidth NVNT n20 5240MHz Ant2



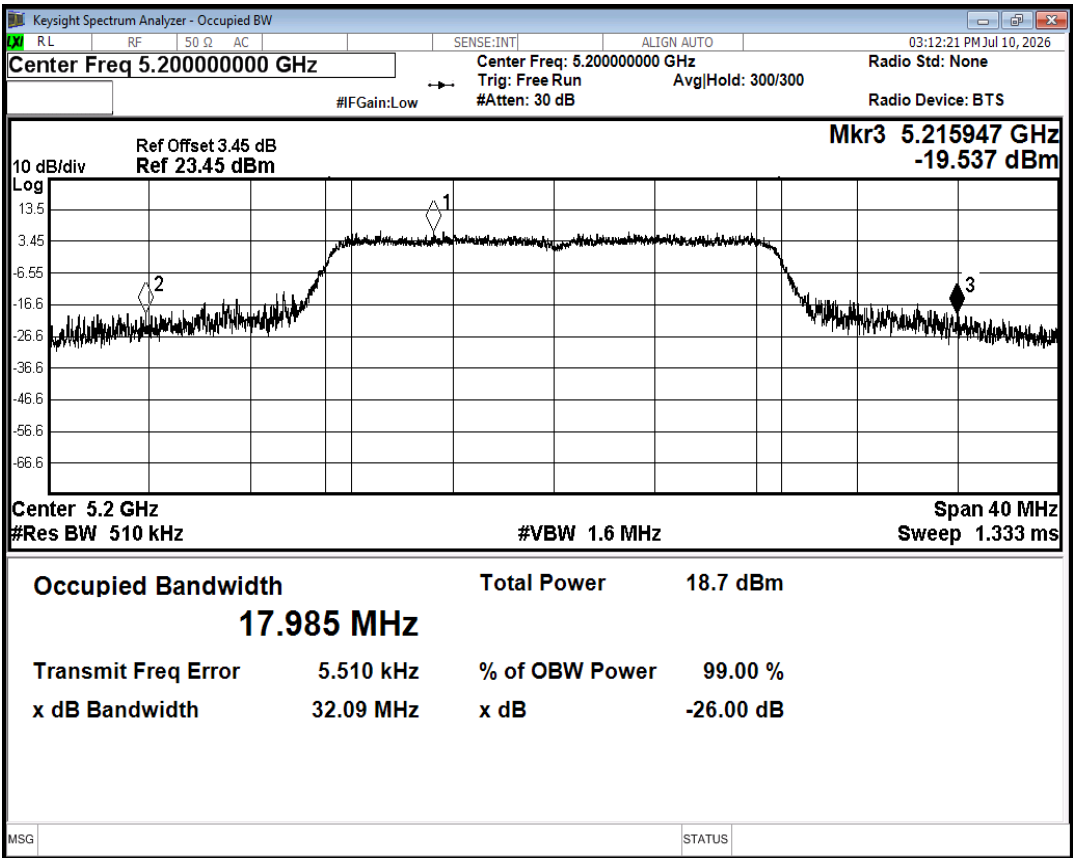
-26dB Bandwidth NVNT n40 5190MHz Ant2



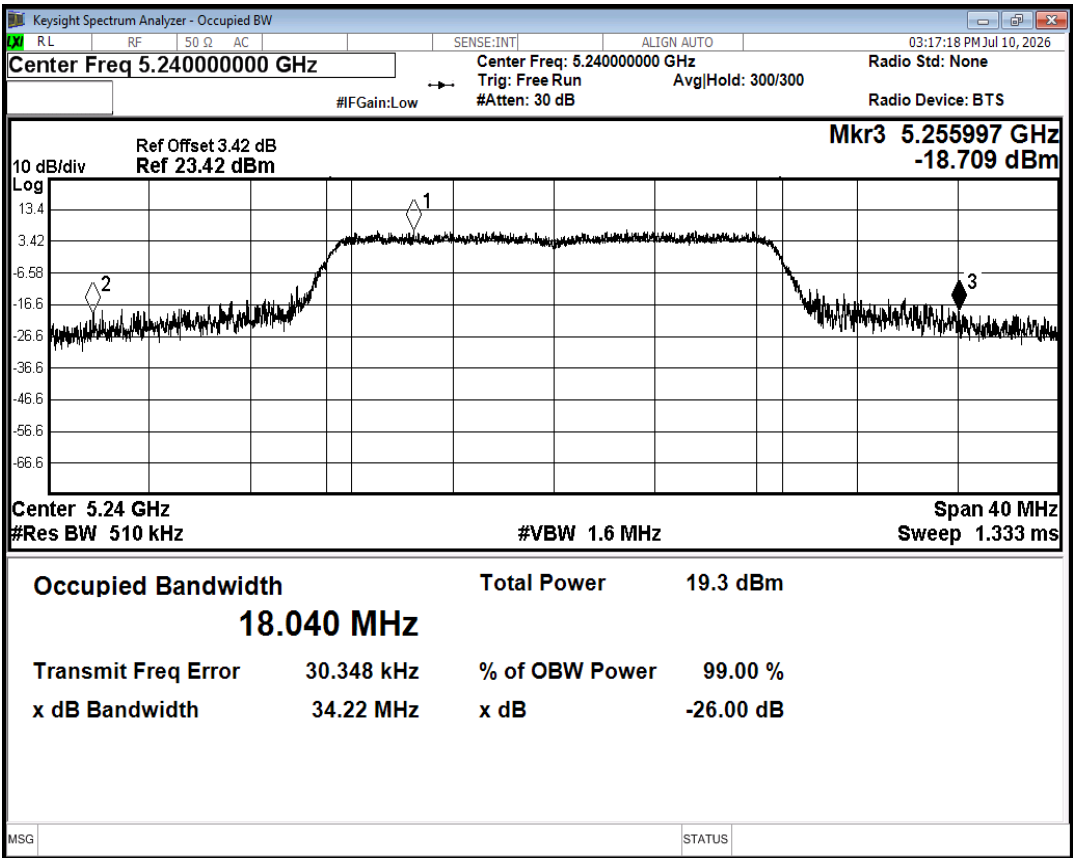
-26dB Bandwidth NVNT n40 5230MHz Ant2



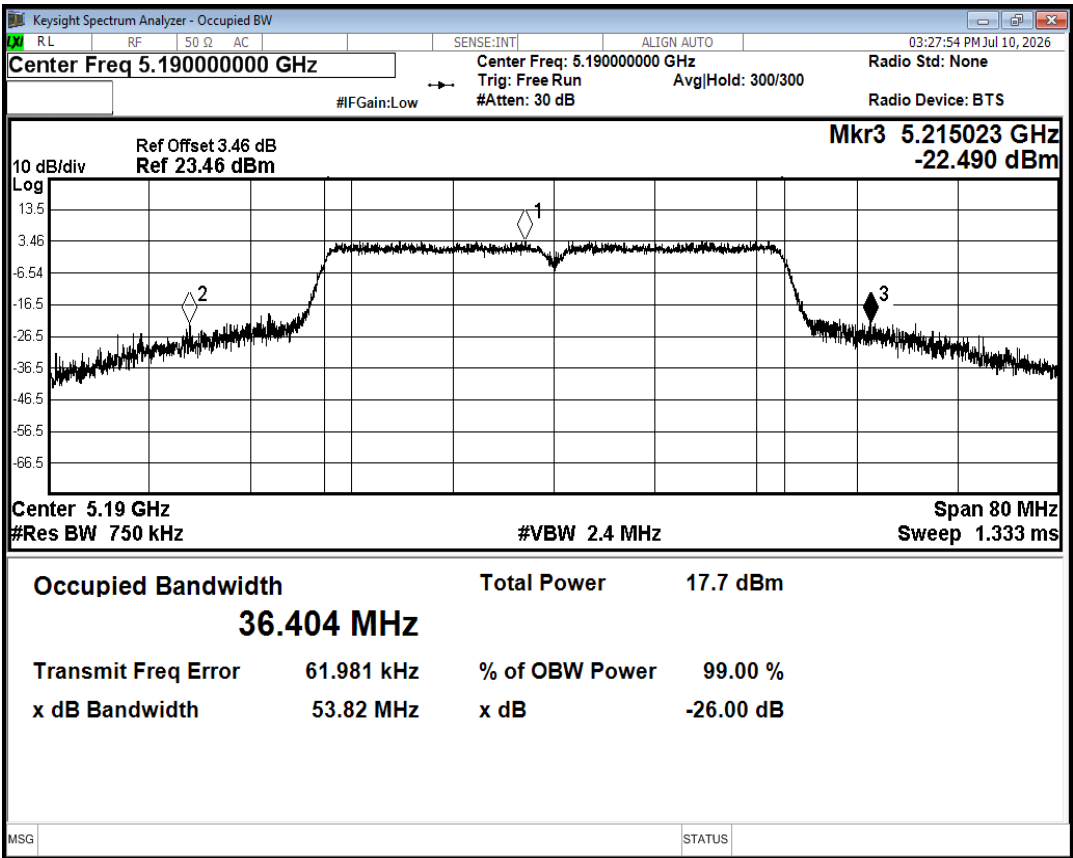
-26dB Bandwidth NVNT ac20 5180MHz Ant2



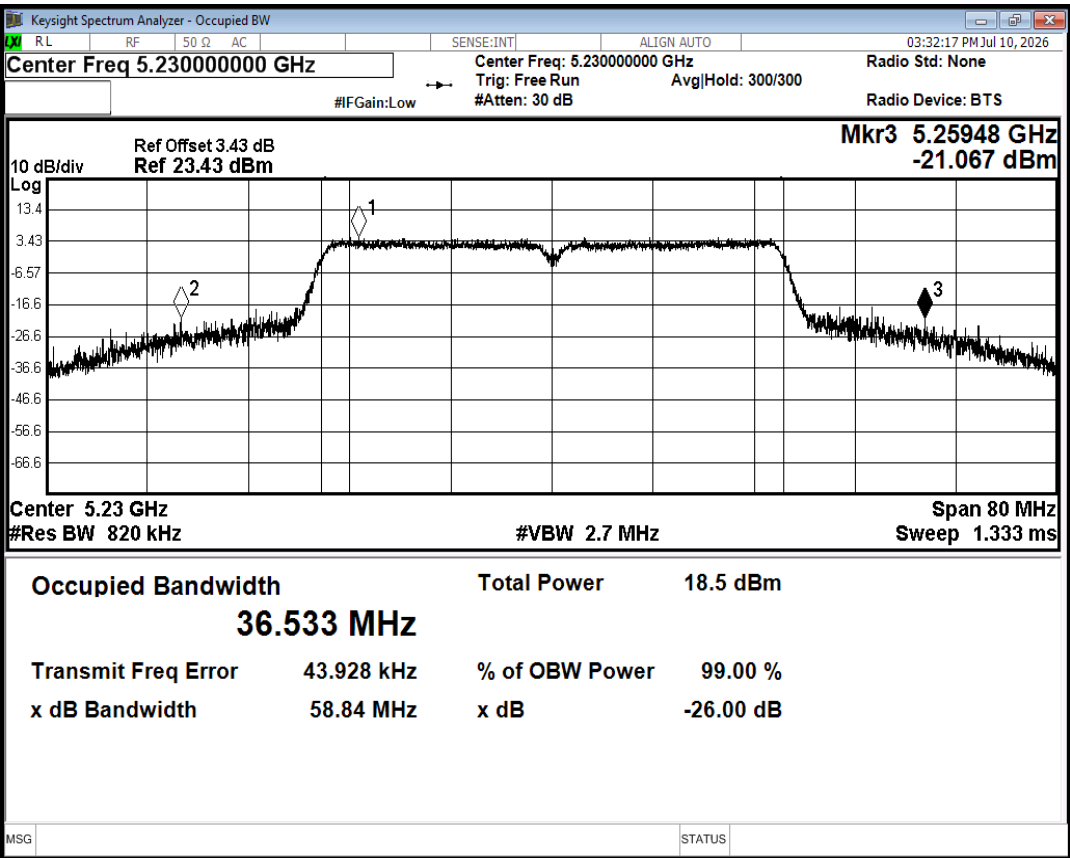
-26dB Bandwidth NVNT ac20 5200MHz Ant2



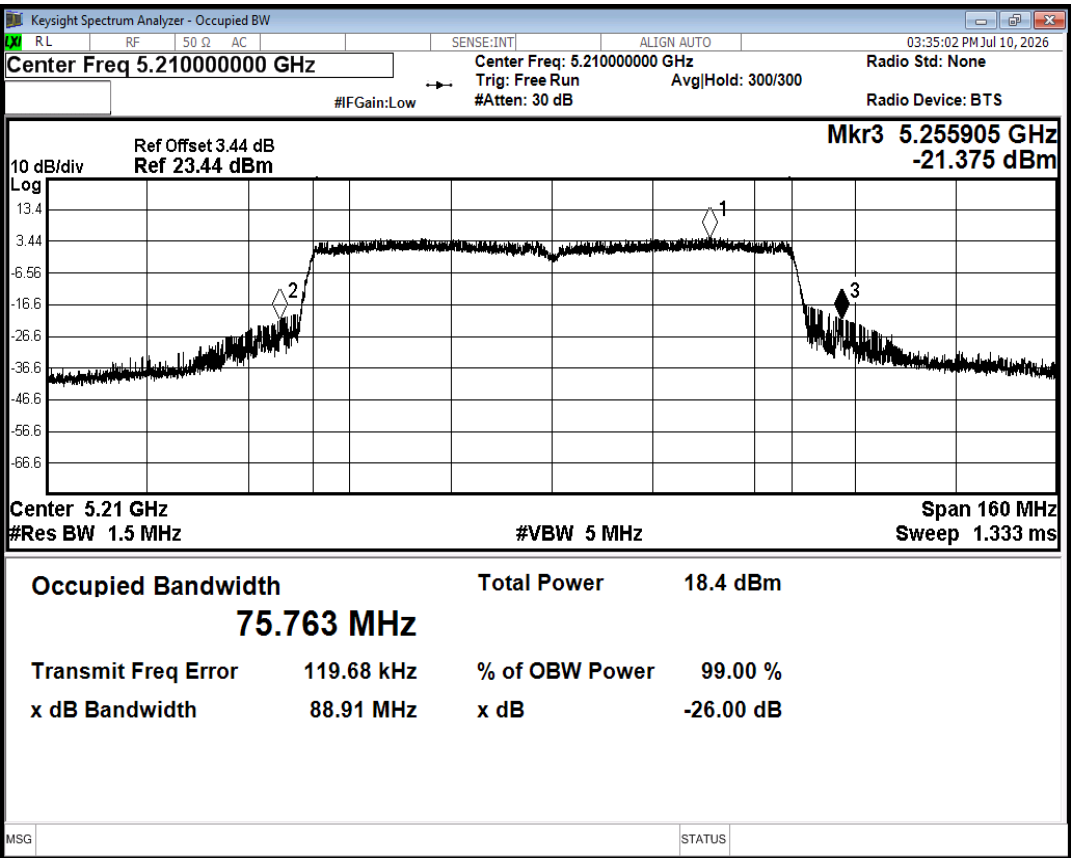
-26dB Bandwidth NVNT ac20 5240MHz Ant2



-26dB Bandwidth NVNT ac40 5190MHz Ant2



-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant2

D.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	12.44	0.11	12.55	24	Pass
NVNT	a	5200	Ant1	12.12	0.1	12.22	24	Pass
NVNT	a	5240	Ant1	12.64	0.08	12.72	24	Pass
NVNT	n20	5180	Ant1	11.41	0.11	11.52	24	Pass
NVNT	n20	5200	Ant1	11.5	0.11	11.61	24	Pass
NVNT	n20	5240	Ant1	12.11	0.13	12.24	24	Pass
NVNT	n40	5190	Ant1	10.42	0.23	10.65	24	Pass
NVNT	n40	5230	Ant1	11.26	0.23	11.49	24	Pass
NVNT	ac20	5180	Ant1	11.46	0.11	11.57	24	Pass
NVNT	ac20	5200	Ant1	11.42	0.11	11.53	24	Pass
NVNT	ac20	5240	Ant1	11.06	0.13	11.19	24	Pass
NVNT	ac40	5190	Ant1	10.41	0.23	10.64	24	Pass
NVNT	ac40	5230	Ant1	11.02	0.23	11.25	24	Pass
NVNT	ac80	5210	Ant1	11.3	0.46	11.76	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant2	12.23	0.1	12.33	24	Pass
NVNT	a	5200	Ant2	12.17	0.1	12.27	24	Pass
NVNT	a	5240	Ant2	12.79	0.1	12.89	24	Pass
NVNT	n20	5180	Ant2	11.47	0.1	11.57	24	Pass
NVNT	n20	5200	Ant2	11.61	0.11	11.72	24	Pass
NVNT	n20	5240	Ant2	12.88	0.11	12.99	24	Pass
NVNT	n40	5190	Ant2	10.73	0.23	10.96	24	Pass
NVNT	n40	5230	Ant2	11.38	0.23	11.61	24	Pass
NVNT	ac20	5180	Ant2	11.97	0.11	12.08	24	Pass
NVNT	ac20	5200	Ant2	11.93	0.11	12.04	24	Pass
NVNT	ac20	5240	Ant2	12.57	0.11	12.68	24	Pass
NVNT	ac40	5190	Ant2	10.52	0.23	10.75	24	Pass
NVNT	ac40	5230	Ant2	11.14	0.23	11.37	24	Pass
NVNT	ac80	5210	Ant2	10.4	0.47	10.87	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	11.52	11.57	14.56	24	Pass
NVNT	n20	5200	11.61	11.72	14.68	24	Pass
NVNT	n20	5240	12.24	12.99	15.64	24	Pass
NVNT	n40	5190	10.65	10.96	13.82	24	Pass
NVNT	n40	5230	11.49	11.61	14.56	24	Pass
NVNT	ac20	5180	11.57	12.08	14.84	24	Pass
NVNT	ac20	5200	11.53	12.04	14.80	24	Pass
NVNT	ac20	5240	11.19	12.68	15.01	24	Pass
NVNT	ac40	5190	10.64	10.75	13.71	24	Pass
NVNT	ac40	5230	11.25	11.37	14.32	24	Pass
NVNT	ac80	5210	11.76	10.87	14.35	24	Pass

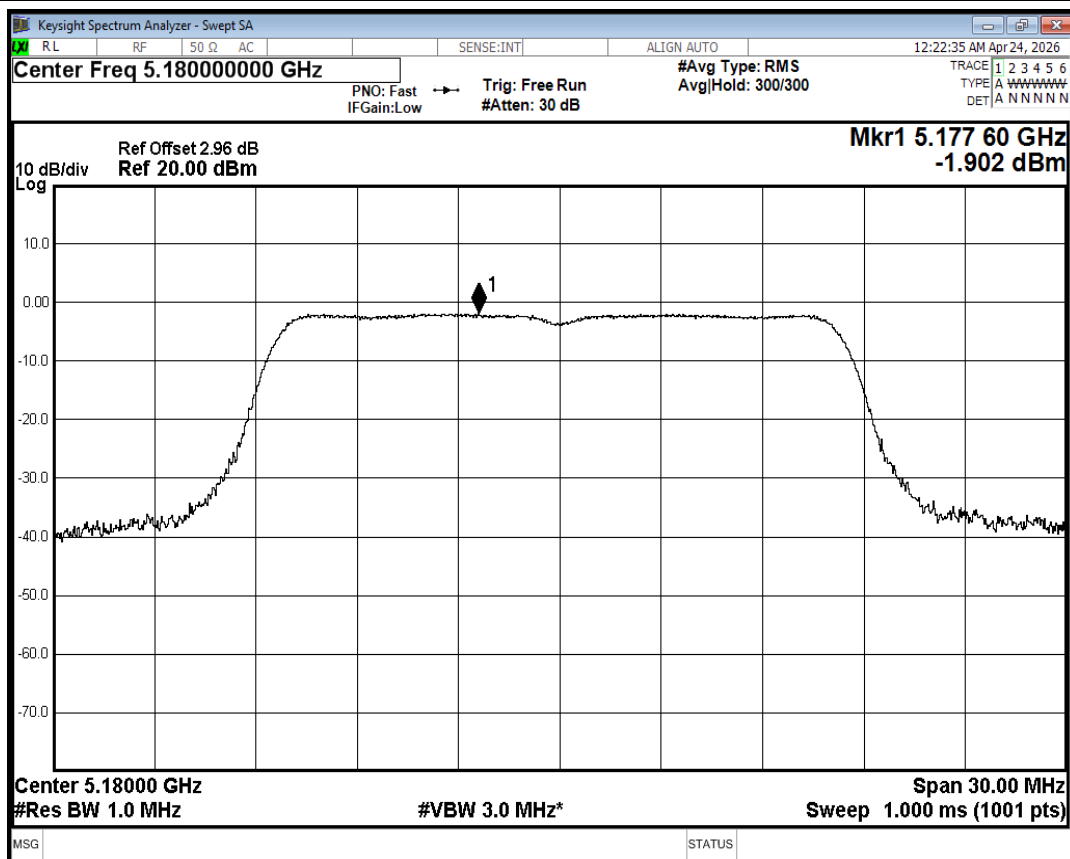
D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total Conducted PSD (dBm/MHz)	Limit Conducted (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	1.11	0.11	1.22	11	Pass
NVNT	a	5200	Ant1	0.84	0.1	0.94	11	Pass
NVNT	a	5240	Ant1	1.49	0.08	1.57	11	Pass
NVNT	n20	5180	Ant1	-0.07	0.11	0.04	11	Pass
NVNT	n20	5200	Ant1	-0.03	0.11	0.08	11	Pass
NVNT	n20	5240	Ant1	0.7	0.13	0.83	11	Pass
NVNT	n40	5190	Ant1	-3.98	0.23	-3.75	11	Pass
NVNT	n40	5230	Ant1	-3.14	0.23	-2.91	11	Pass
NVNT	ac20	5180	Ant1	0.05	0.11	0.16	11	Pass
NVNT	ac20	5200	Ant1	0.09	0.11	0.2	11	Pass
NVNT	ac20	5240	Ant1	-0.33	0.13	-0.2	11	Pass
NVNT	ac40	5190	Ant1	-4.11	0.23	-3.88	11	Pass
NVNT	ac40	5230	Ant1	-3.49	0.23	-3.26	11	Pass
NVNT	ac80	5210	Ant1	-6.12	0.46	-5.66	11	Pass

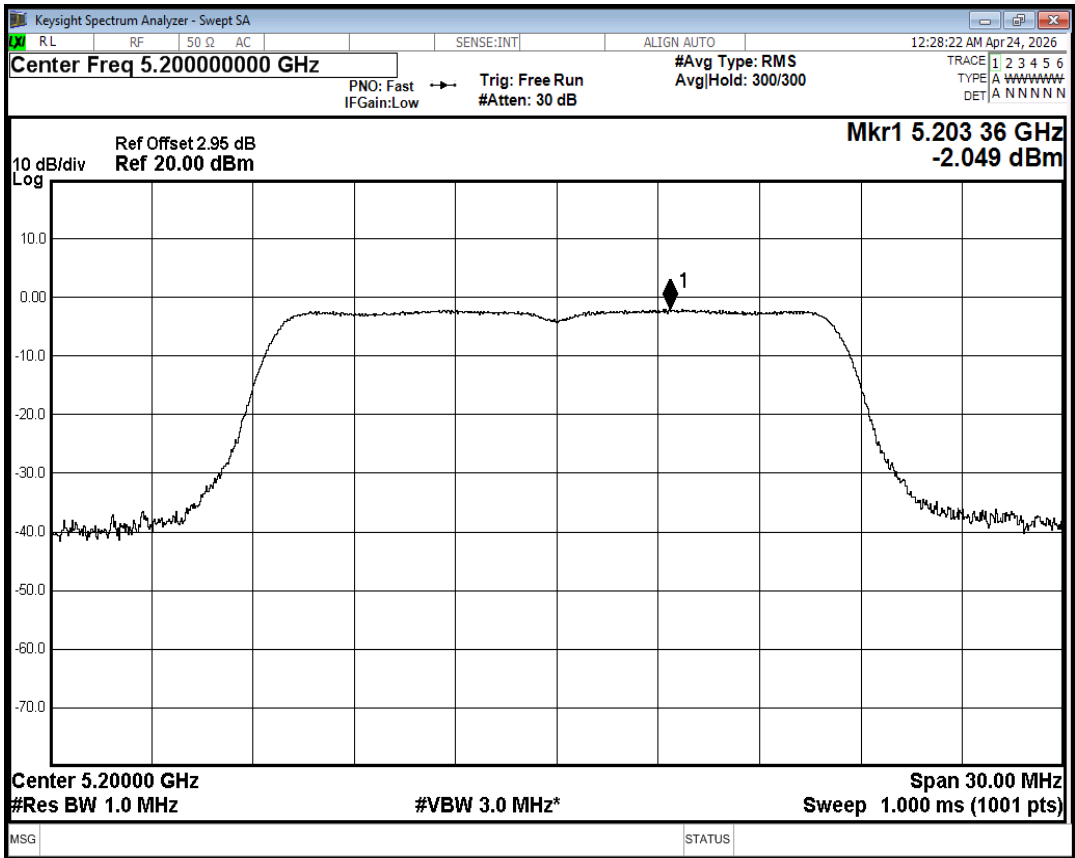
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total Conducted PSD (dBm/MHz)	Limit Conducted(dBm/MHz)	Verdict
NVNT	a	5180	Ant2	0.93	0.1	1.03	11	Pass
NVNT	a	5200	Ant2	0.84	0.1	0.94	11	Pass
NVNT	a	5240	Ant2	1.67	0.1	1.77	11	Pass
NVNT	n20	5180	Ant2	-0.02	0.1	0.08	11	Pass
NVNT	n20	5200	Ant2	0.12	0.11	0.23	11	Pass
NVNT	n20	5240	Ant2	1.47	0.11	1.58	11	Pass
NVNT	n40	5190	Ant2	-3.93	0.23	-3.7	11	Pass
NVNT	n40	5230	Ant2	-3.01	0.23	-2.78	11	Pass
NVNT	ac20	5180	Ant2	0.42	0.11	0.53	11	Pass
NVNT	ac20	5200	Ant2	0.36	0.11	0.47	11	Pass
NVNT	ac20	5240	Ant2	1.04	0.11	1.15	11	Pass
NVNT	ac40	5190	Ant2	-4.18	0.23	-3.95	11	Pass
NVNT	ac40	5230	Ant2	-3.27	0.23	-3.04	11	Pass
NVNT	ac80	5210	Ant2	-6.98	0.47	-6.51	11	Pass

MIMO

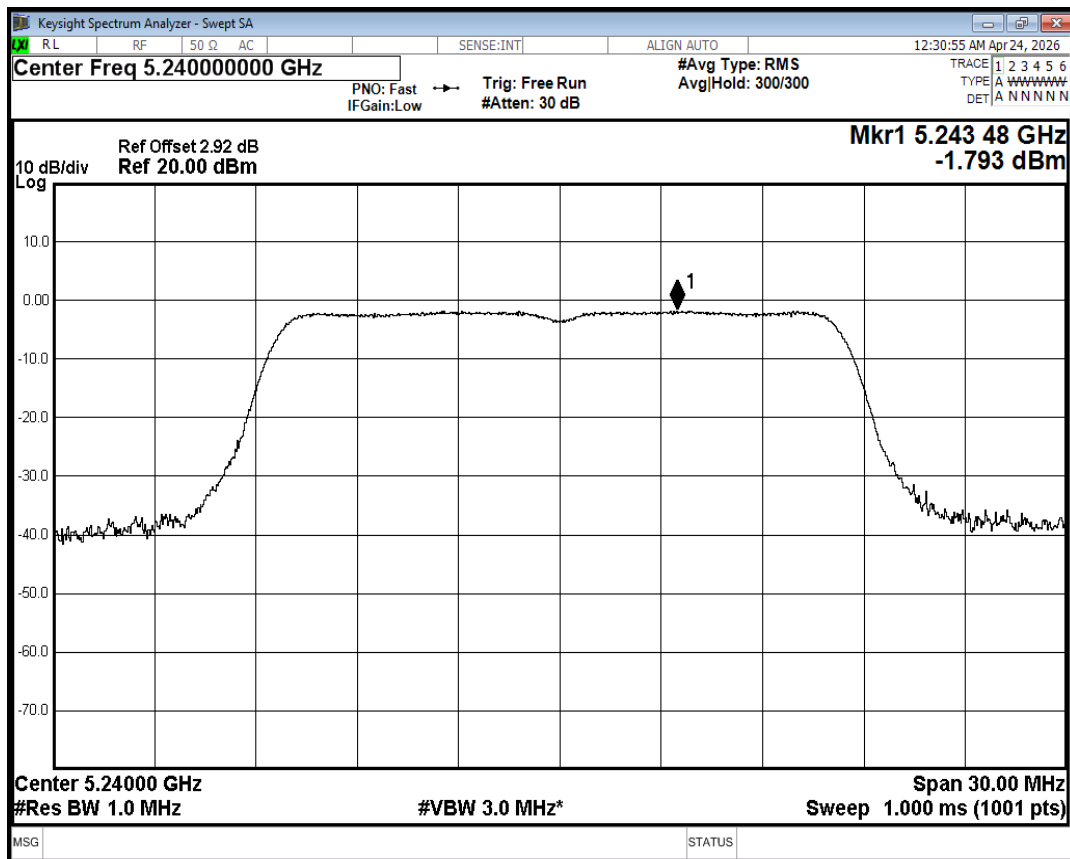
Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	0.04	0.08	3.07	11	Pass
NVNT	n20	5200	0.08	0.23	3.17	11	Pass
NVNT	n20	5240	0.83	1.58	4.23	11	Pass
NVNT	n40	5190	-3.75	-3.7	-0.71	11	Pass
NVNT	n40	5230	-2.91	-2.78	0.17	11	Pass
NVNT	ac20	5180	0.16	0.53	3.36	11	Pass
NVNT	ac20	5200	0.2	0.47	3.35	11	Pass
NVNT	ac20	5240	-0.2	1.15	3.54	11	Pass
NVNT	ac40	5190	-3.88	-3.95	-0.90	11	Pass
NVNT	ac40	5230	-3.26	-3.04	-0.14	11	Pass
NVNT	ac80	5210	-5.66	-6.51	-3.05	11	Pass



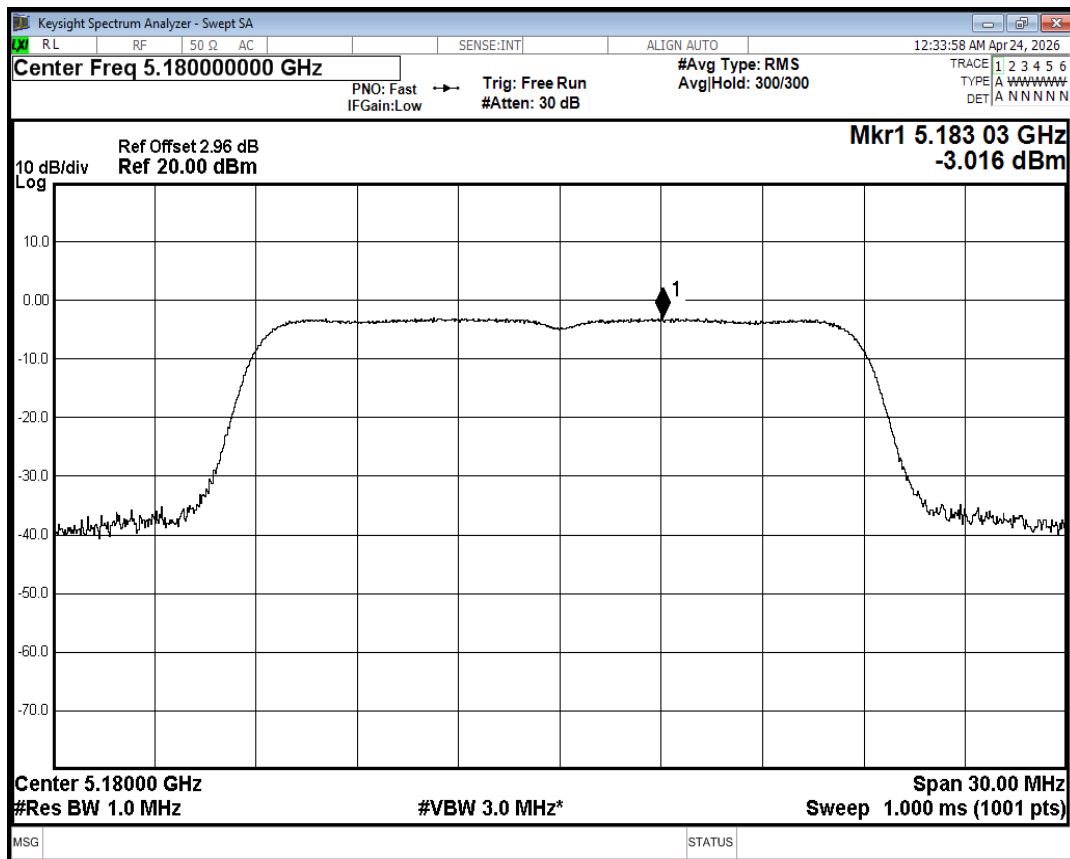
PSD NVNT a 5180MHz Ant1



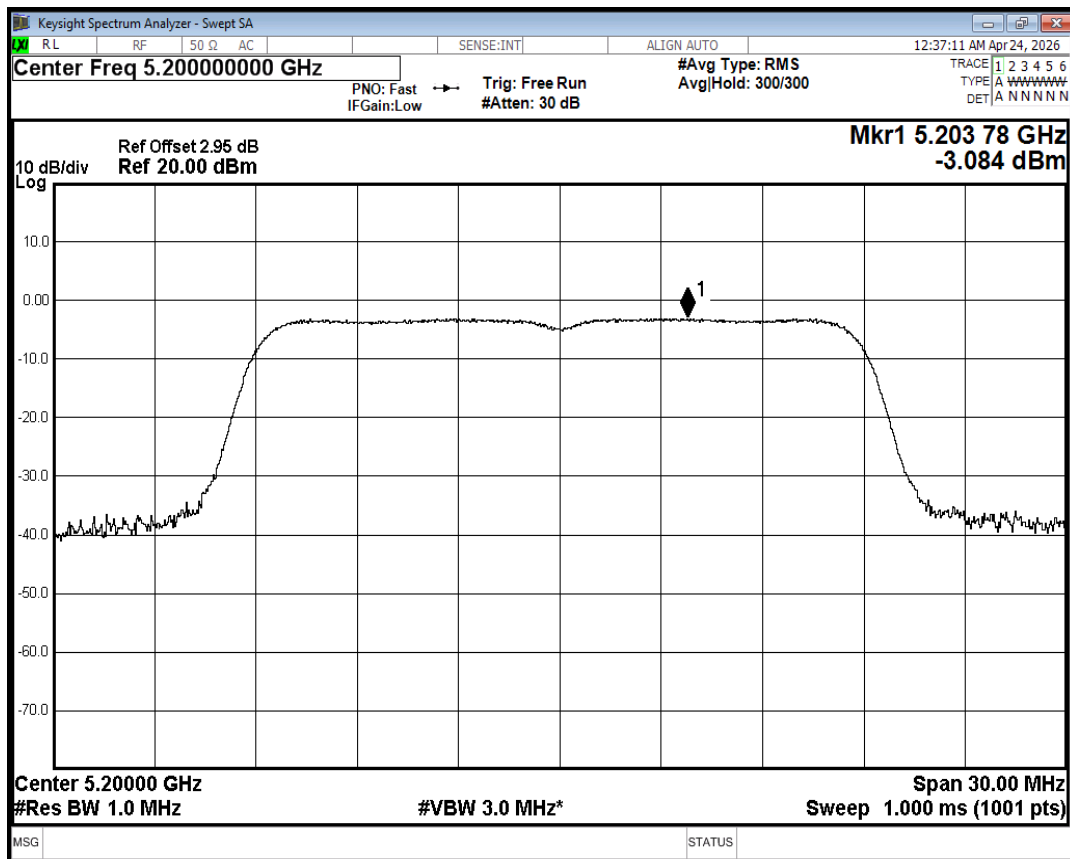
PSD NVNT a 5200MHz Ant1



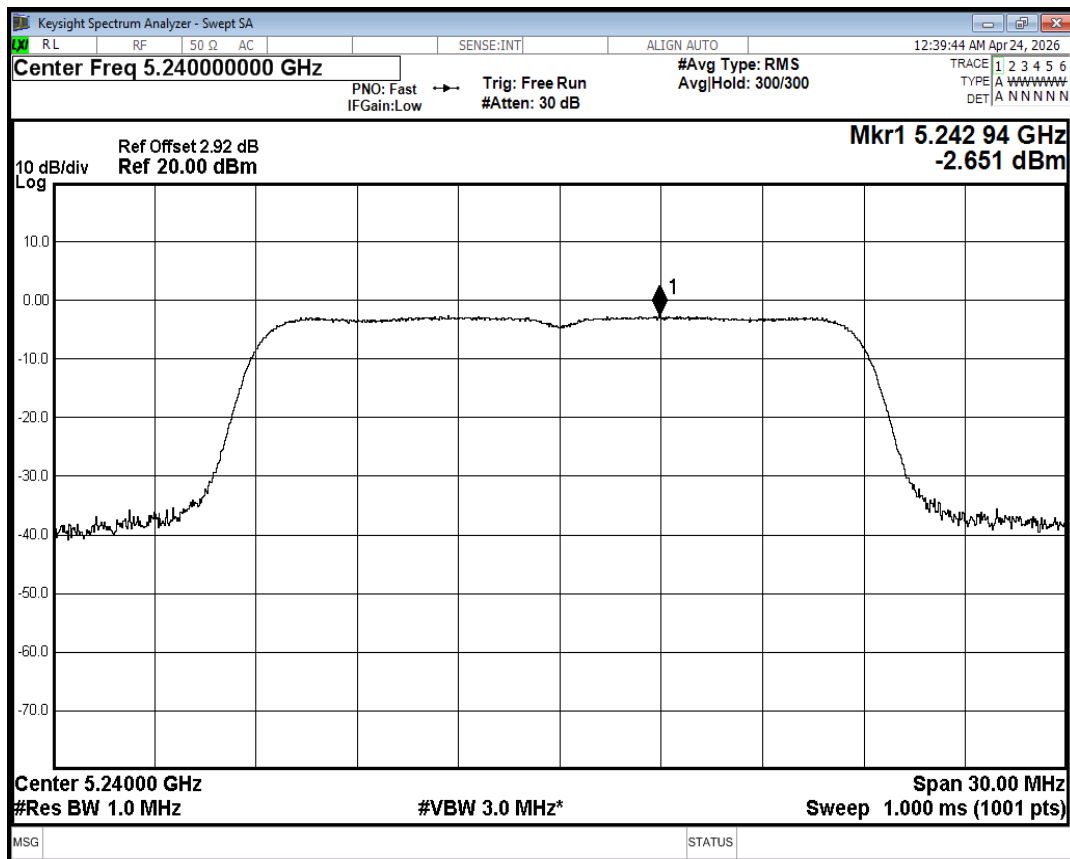
PSD NVNT a 5240MHz Ant1



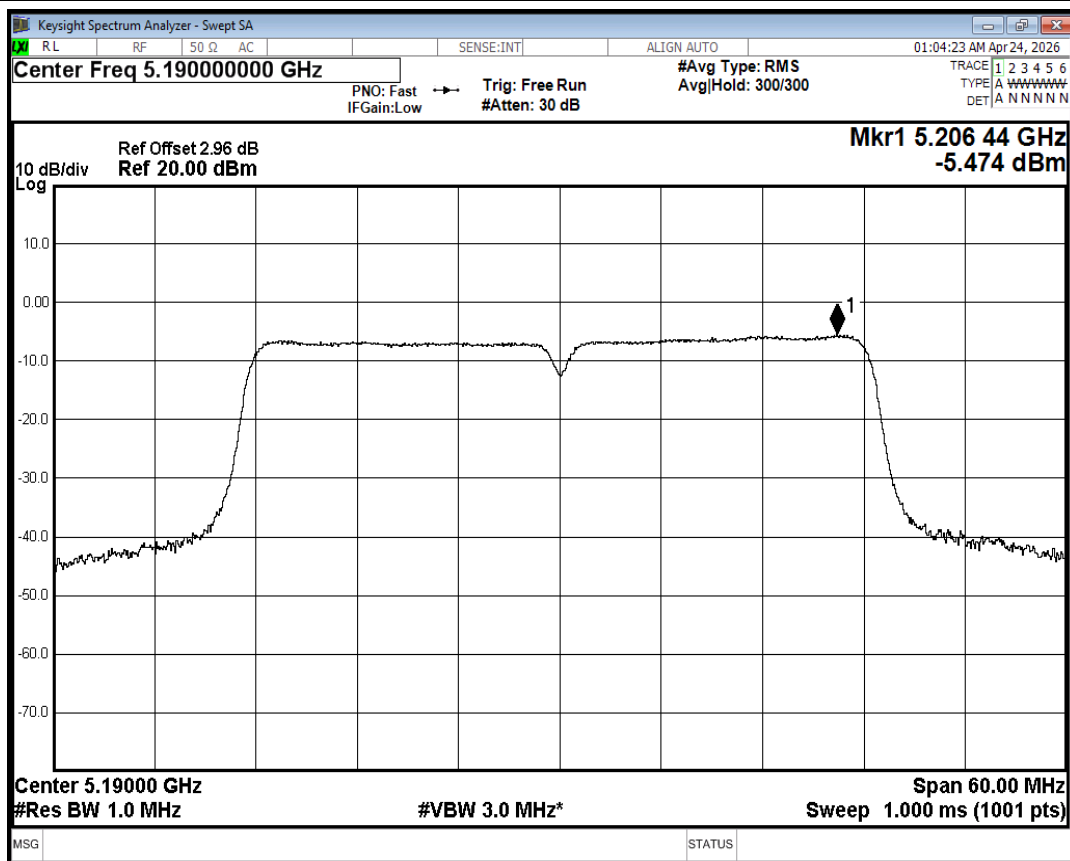
PSD NVNT n20 5180MHz Ant1



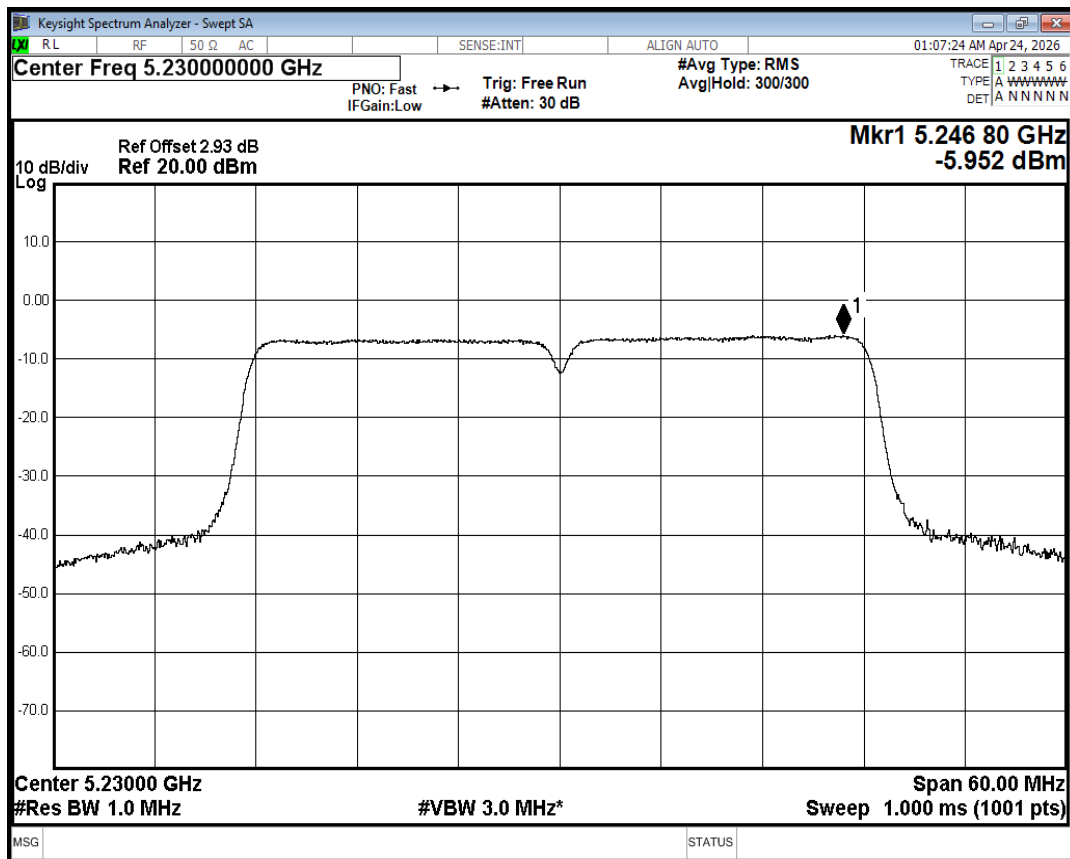
PSD NVNT n20 5200MHz Ant1



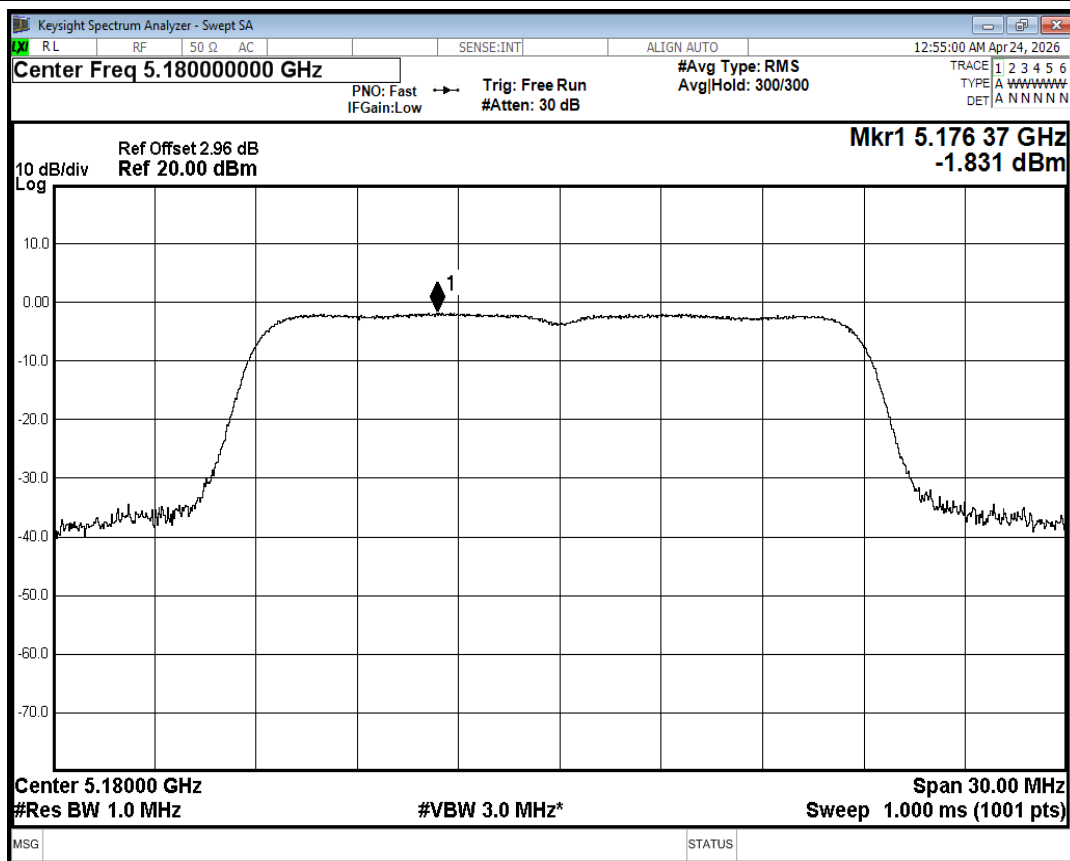
PSD NVNT n20 5240MHz Ant1



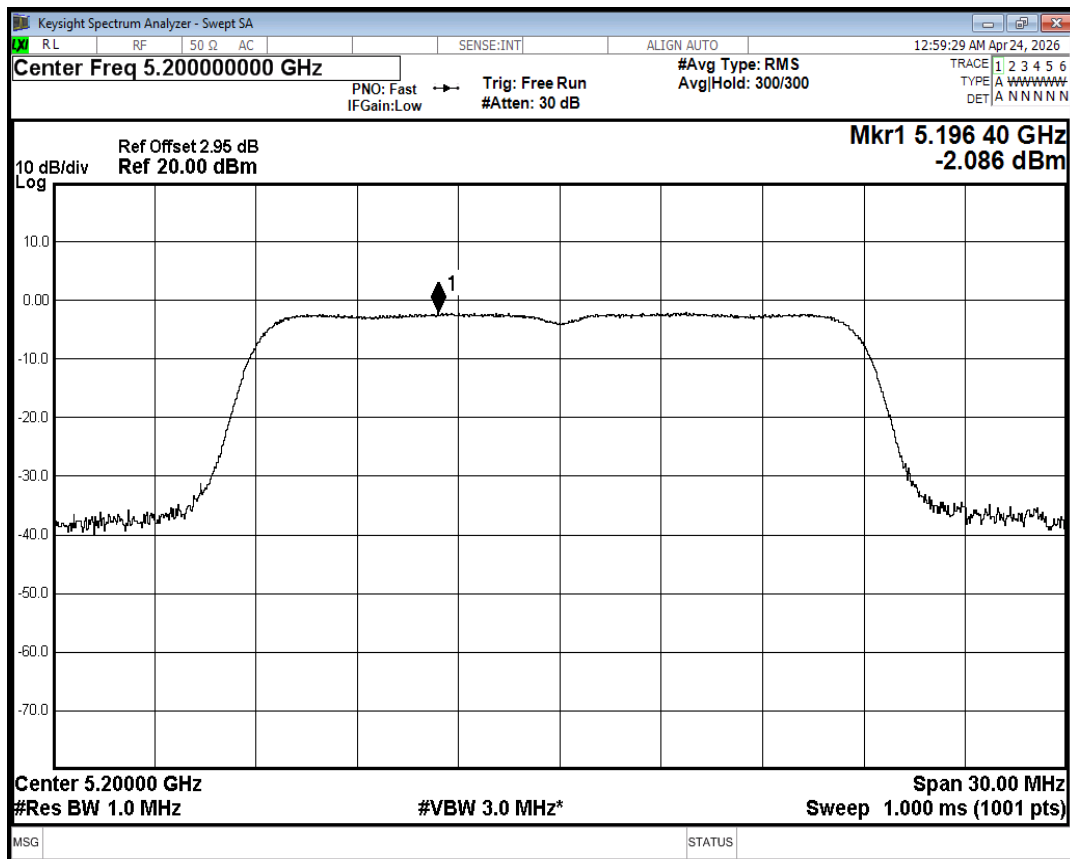
PSD NVNT n40 5190MHz Ant1



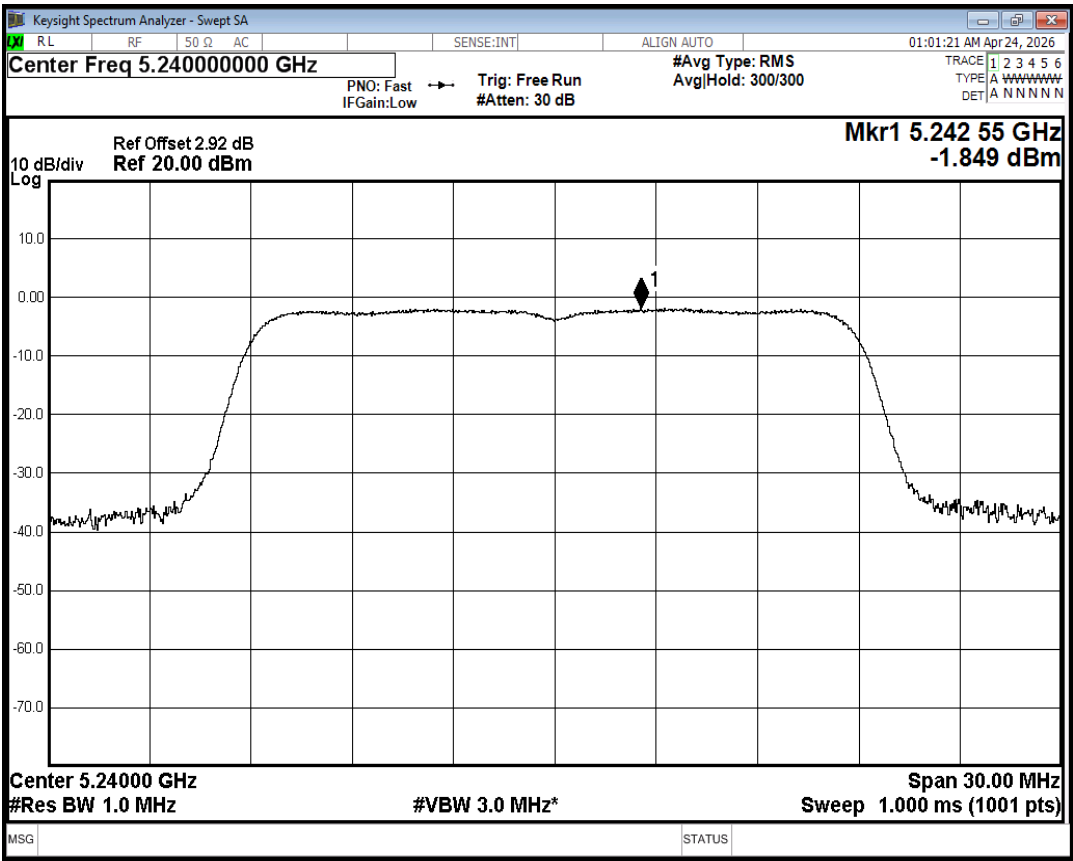
PSD NVNT n40 5230MHz Ant1



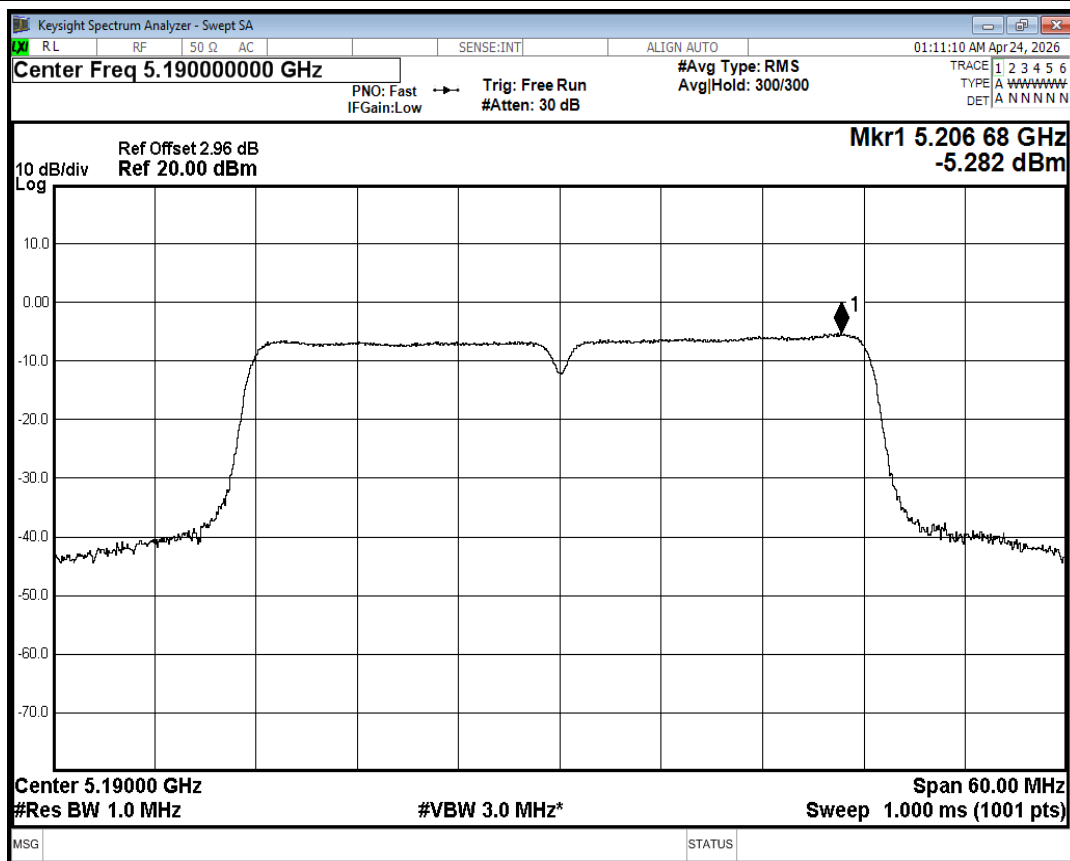
PSD NVNT ac20 5180MHz Ant1



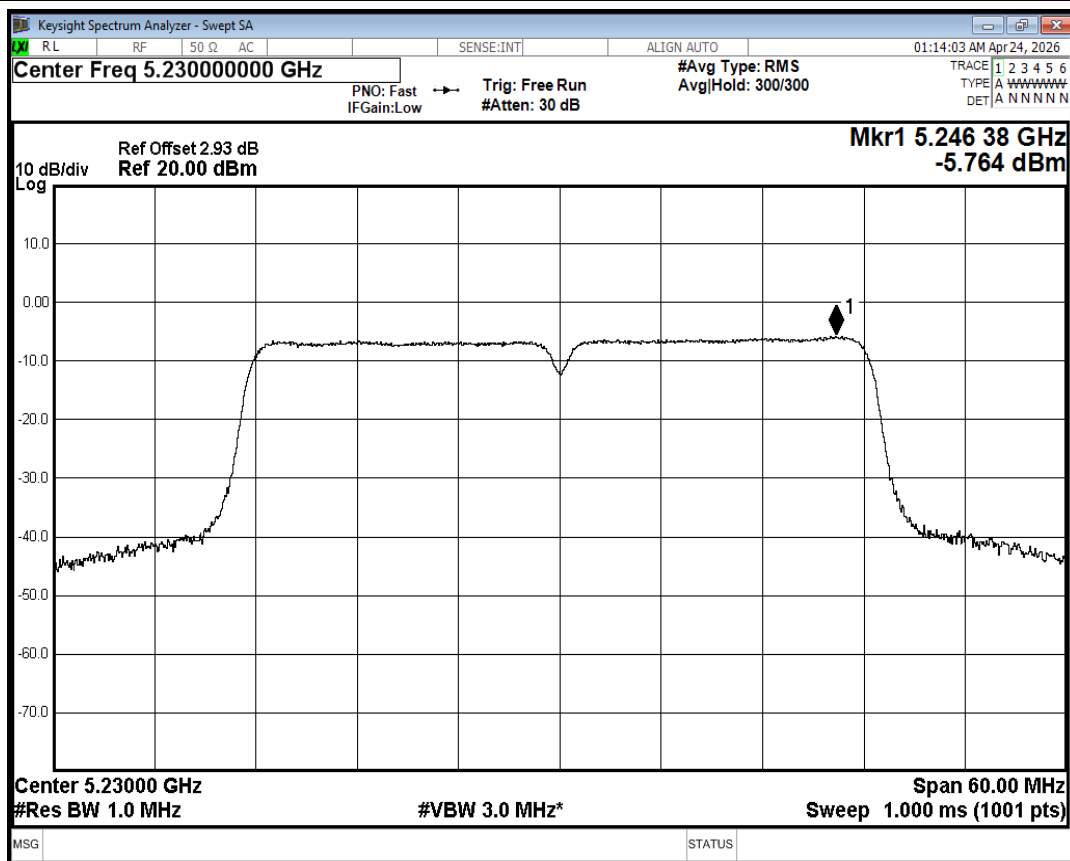
PSD NVNT ac20 5200MHz Ant1



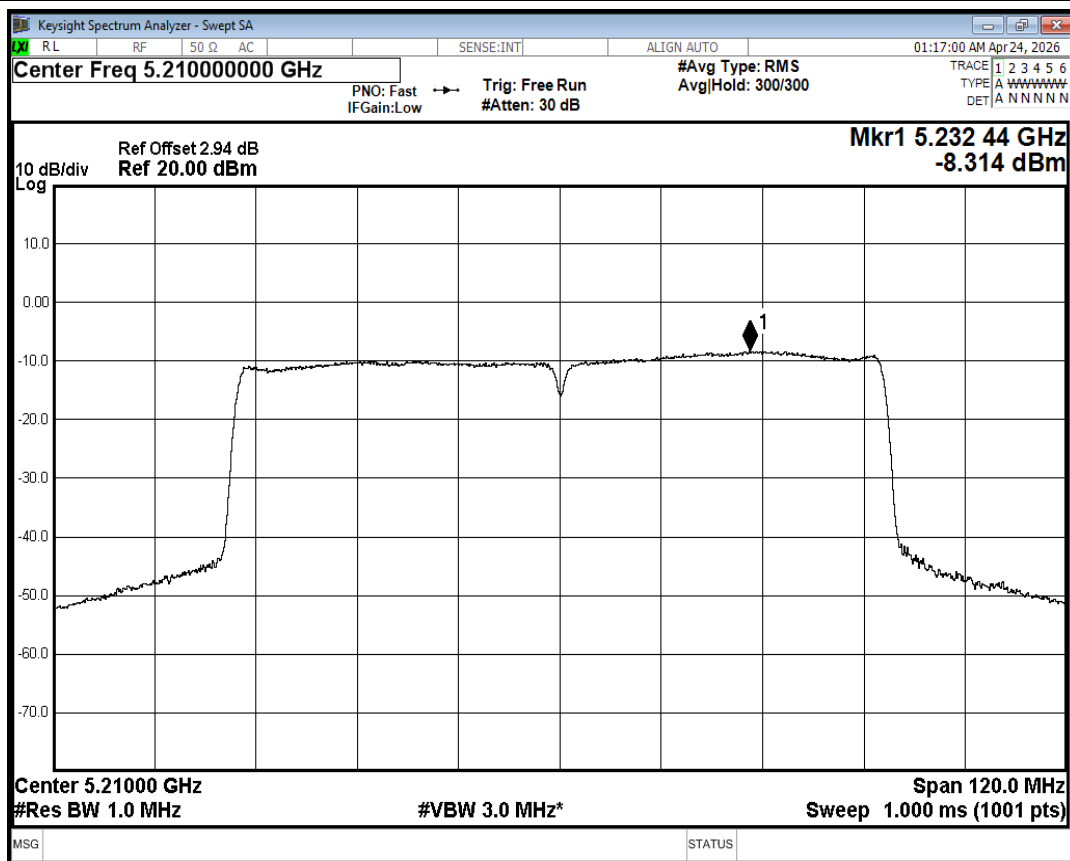
PSD NVNT ac20 5240MHz Ant1



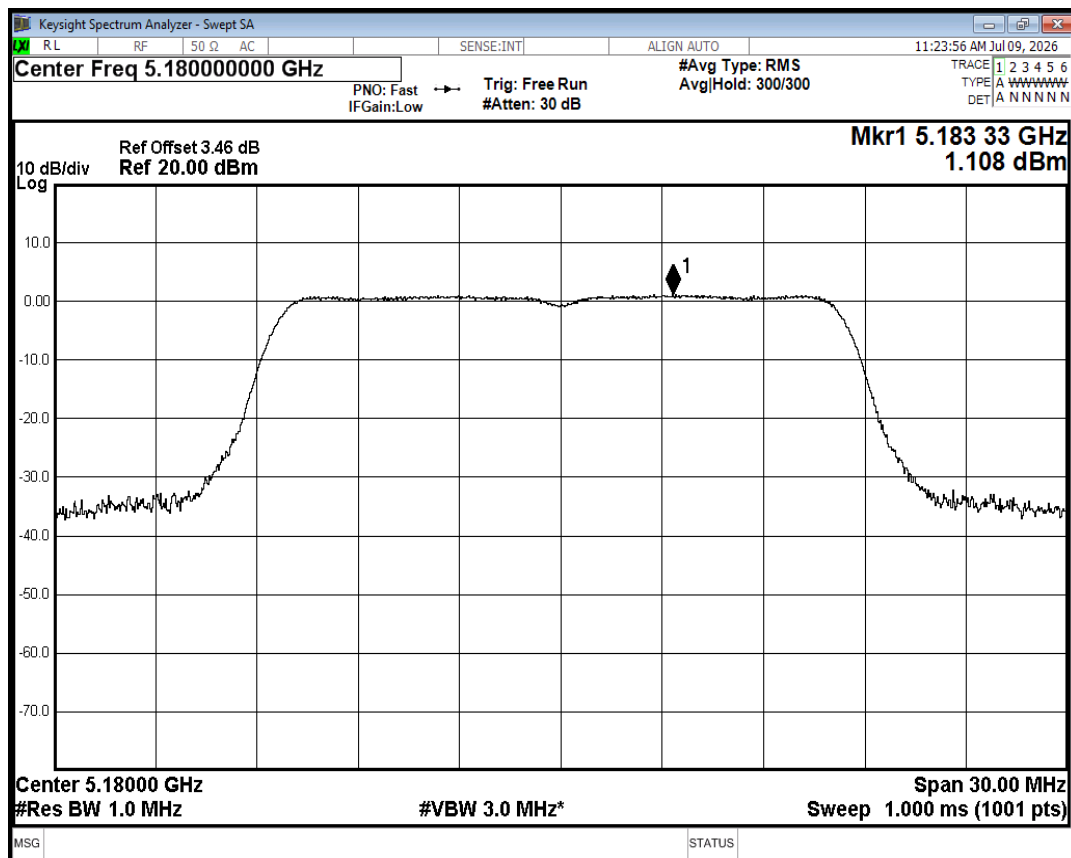
PSD NVNT ac40 5190MHz Ant1



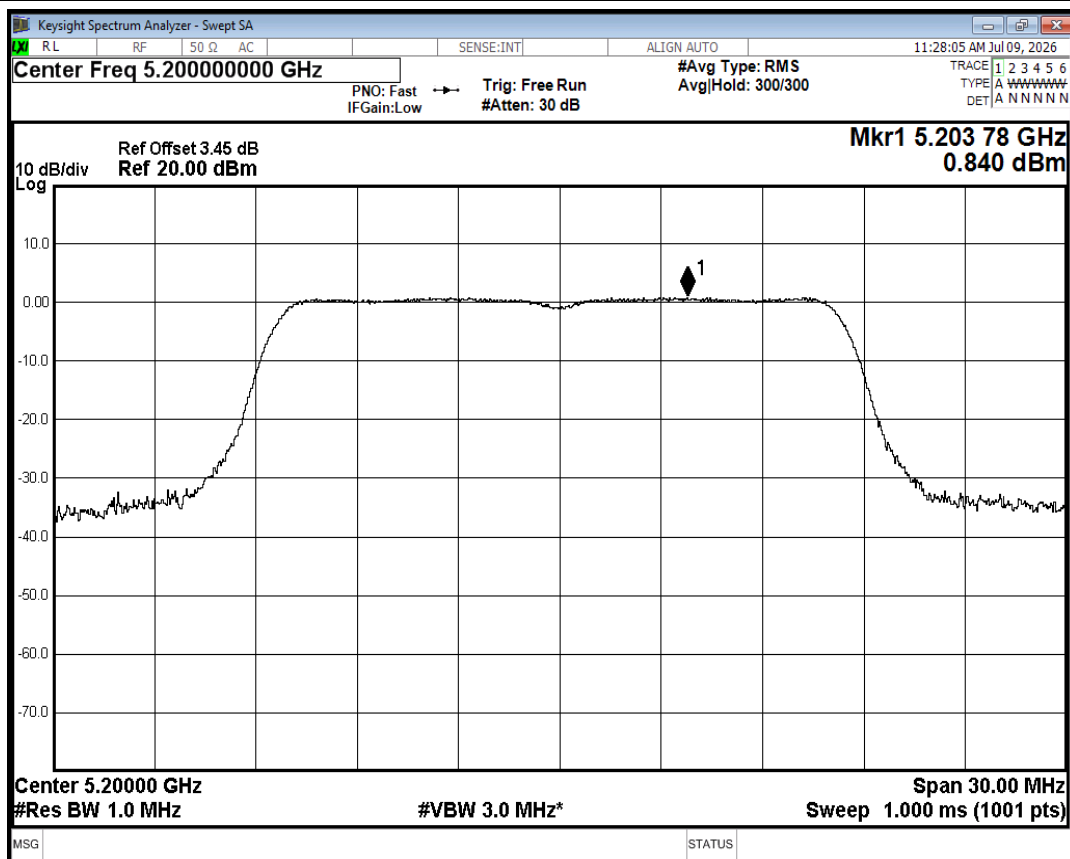
PSD NVNT ac40 5230MHz Ant1



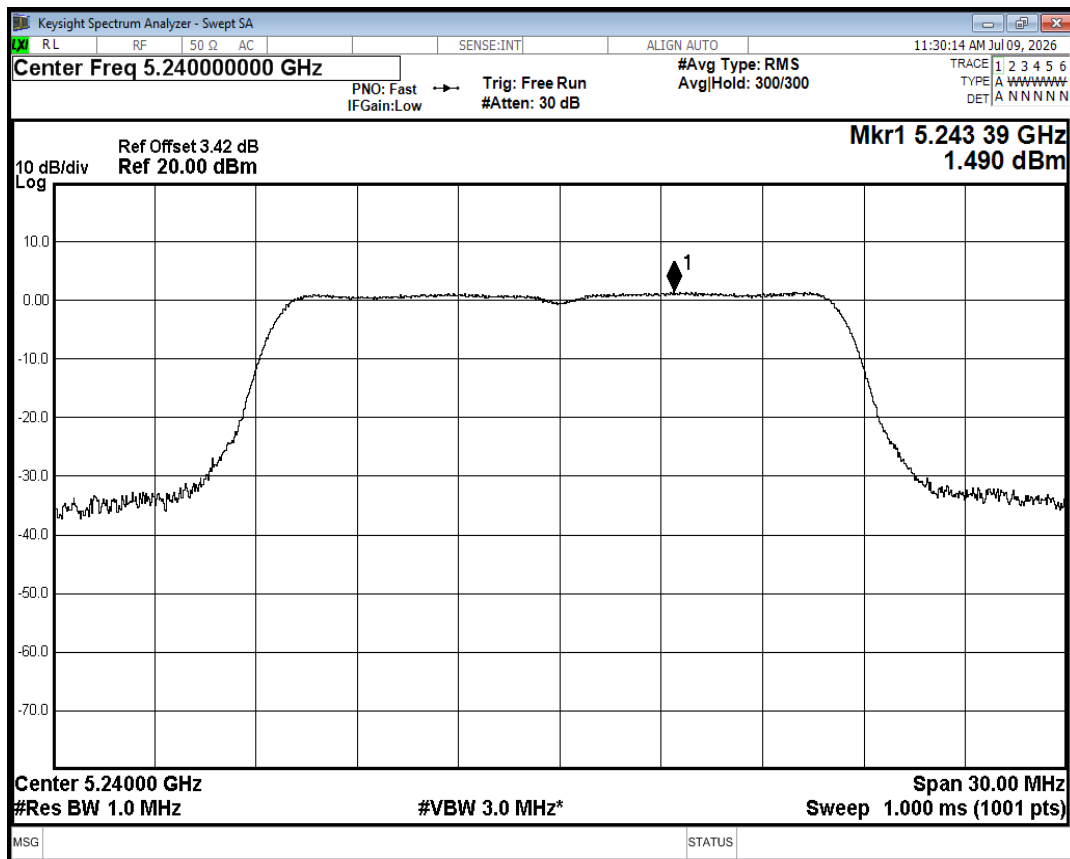
PSD NVNT ac80 5210MHz Ant1

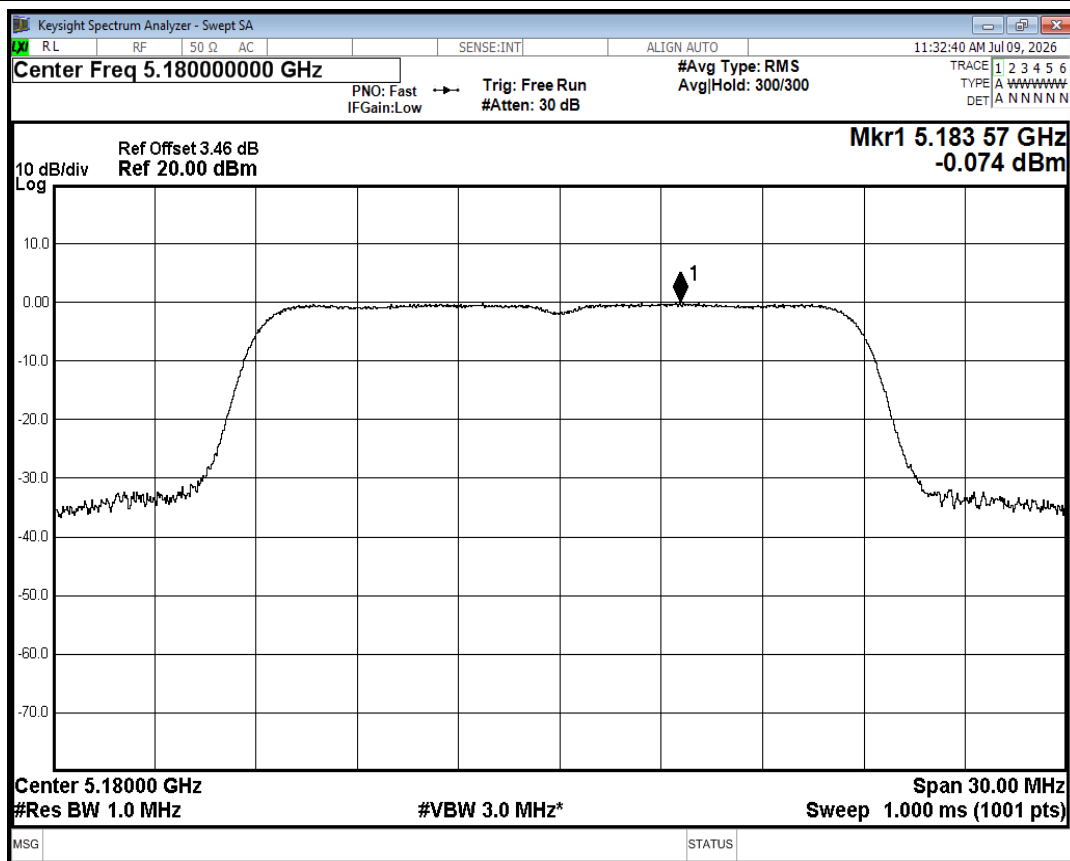


PSD NVNT a 5180MHz Ant1

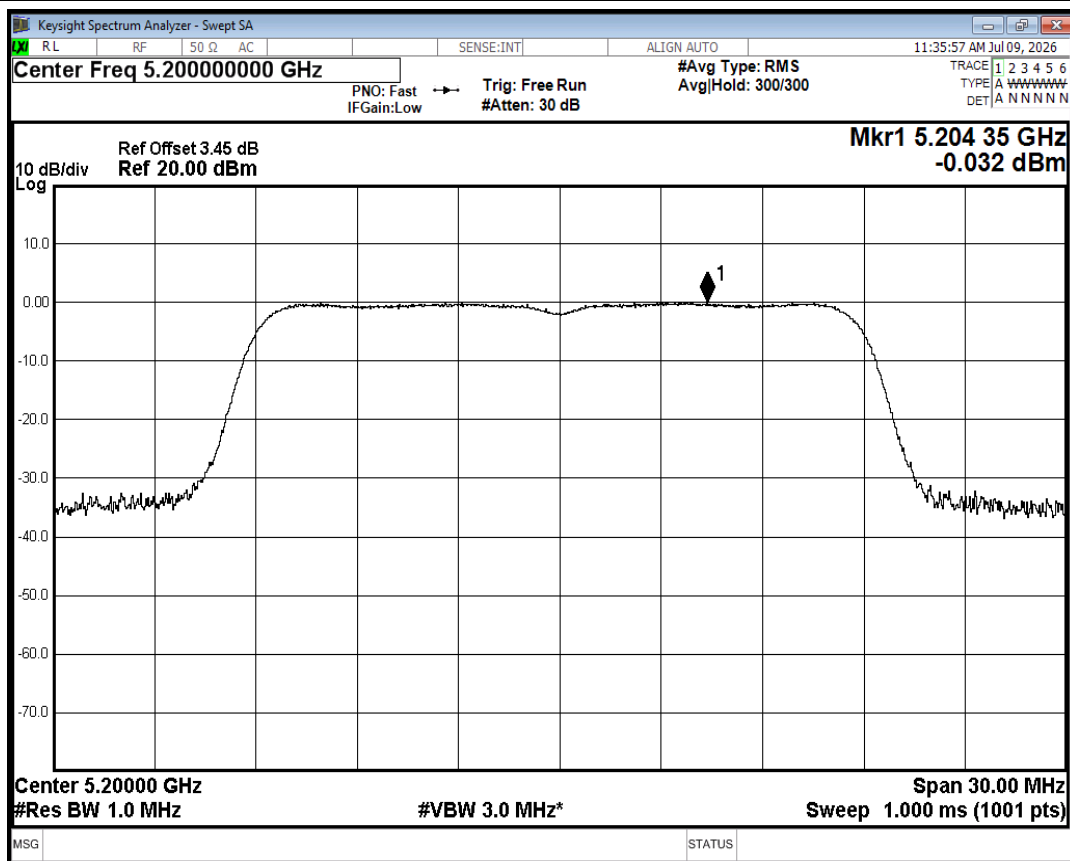


PSD NVNT a 5200MHz Ant1

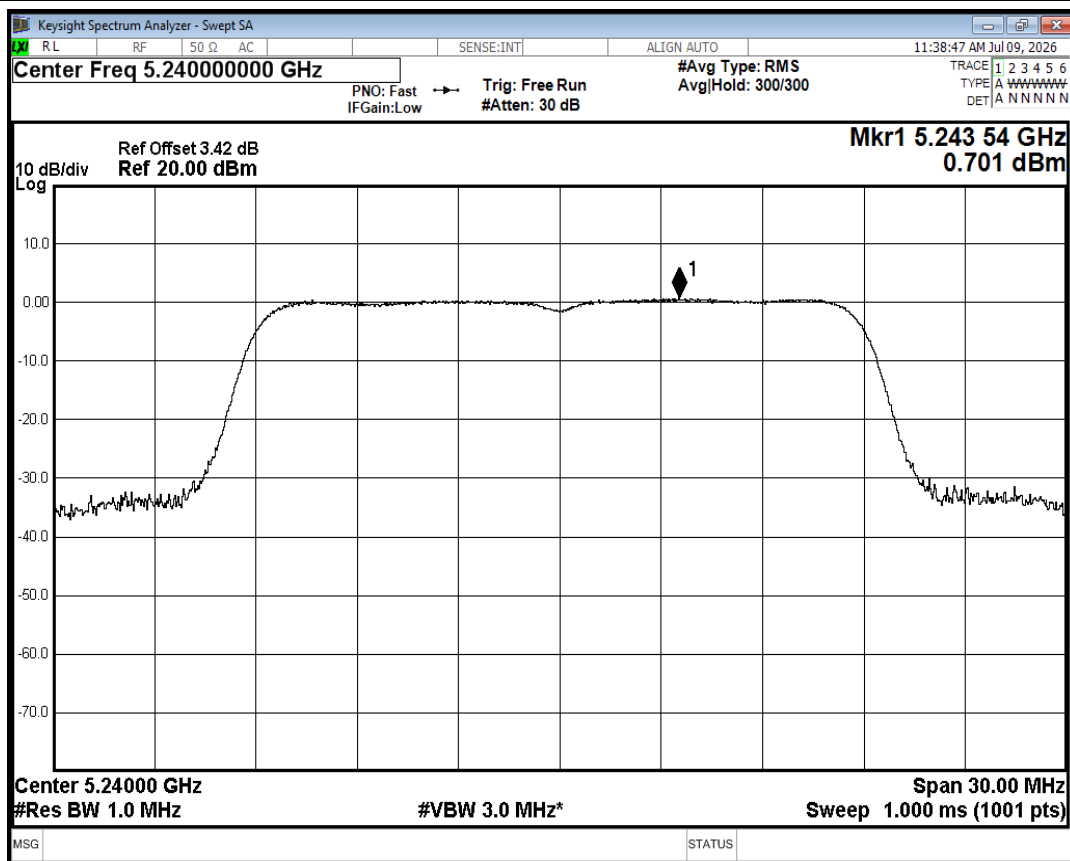


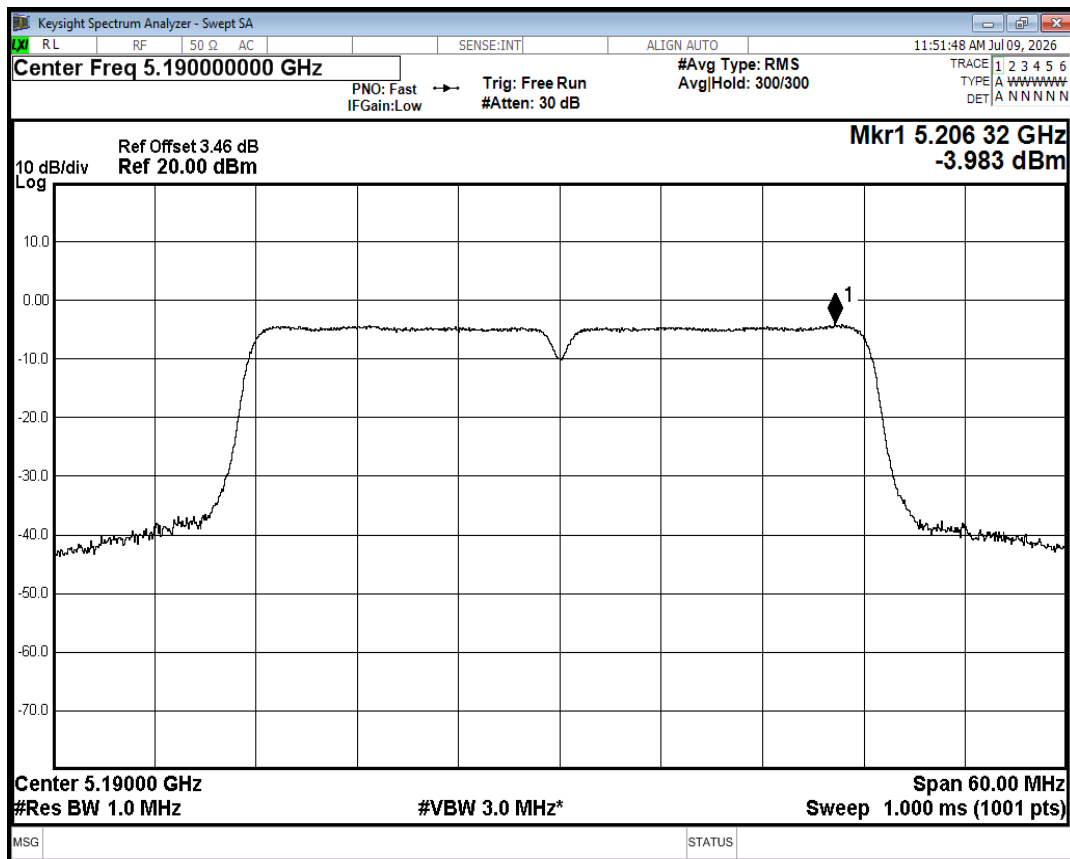


PSD NVNT n20 5180MHz Ant1

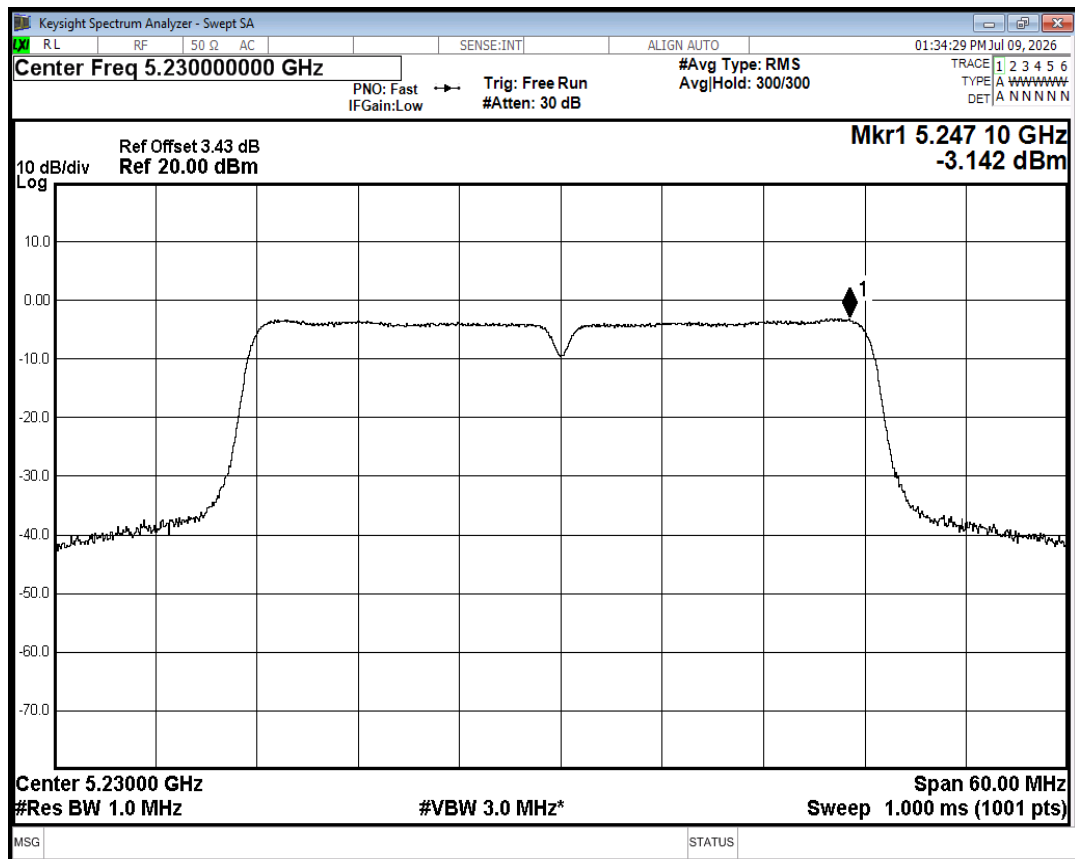


PSD NVNT n20 5200MHz Ant1

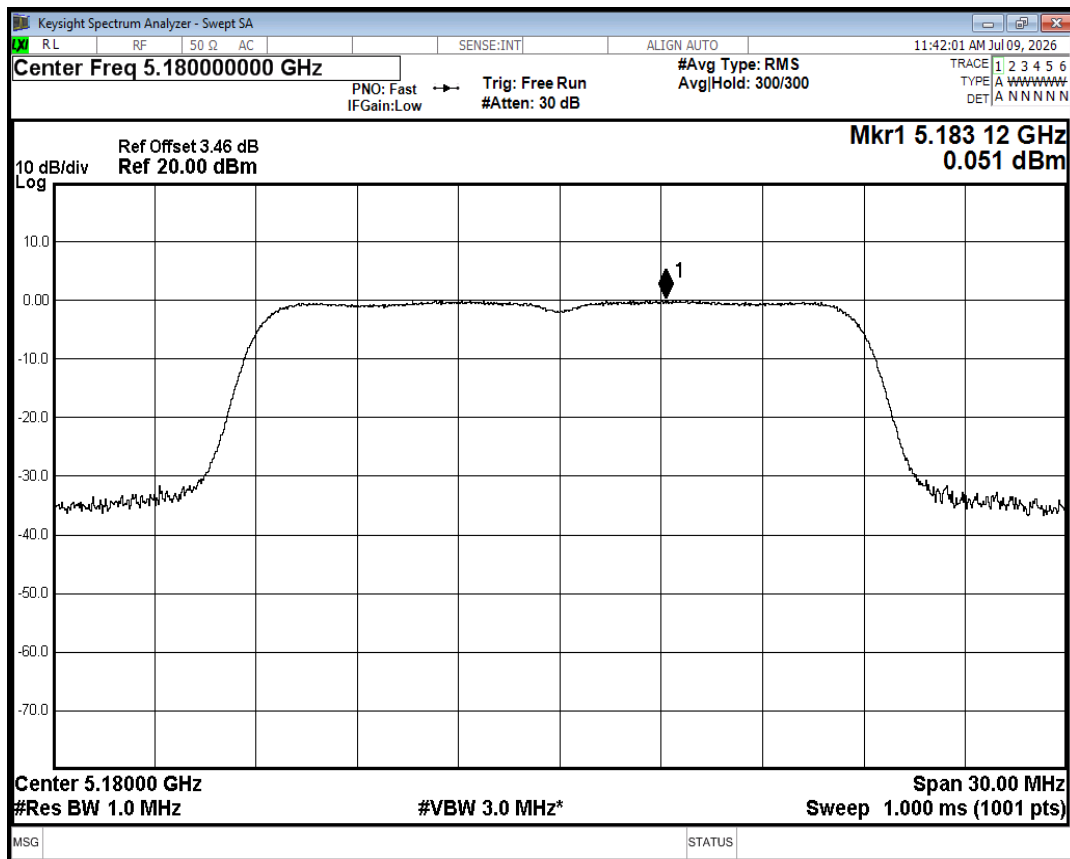




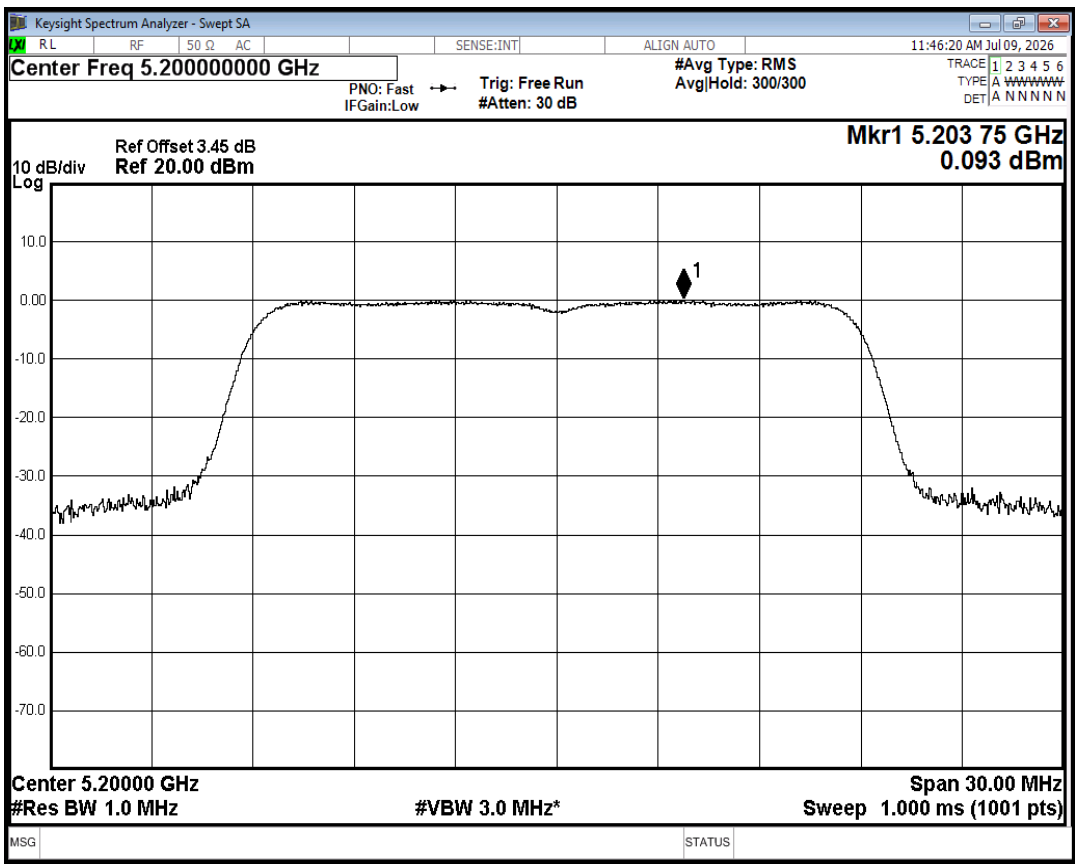
PSD NVNT n40 5190MHz Ant1

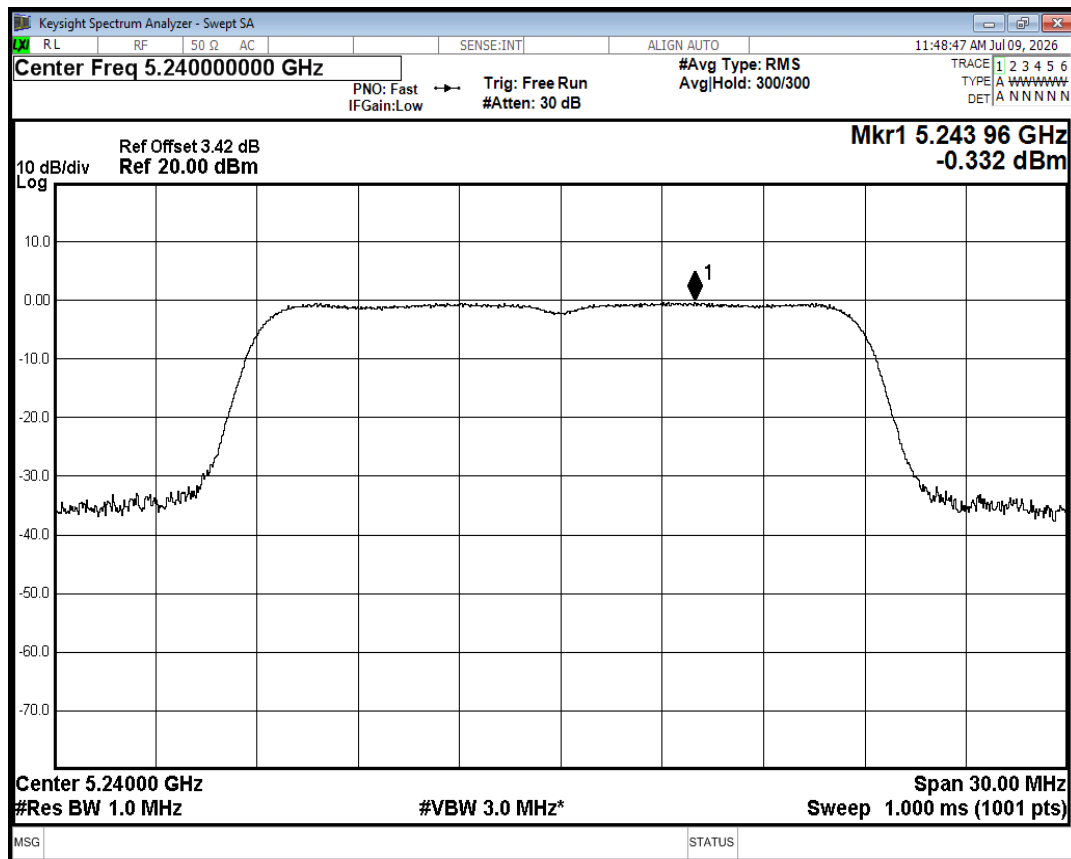


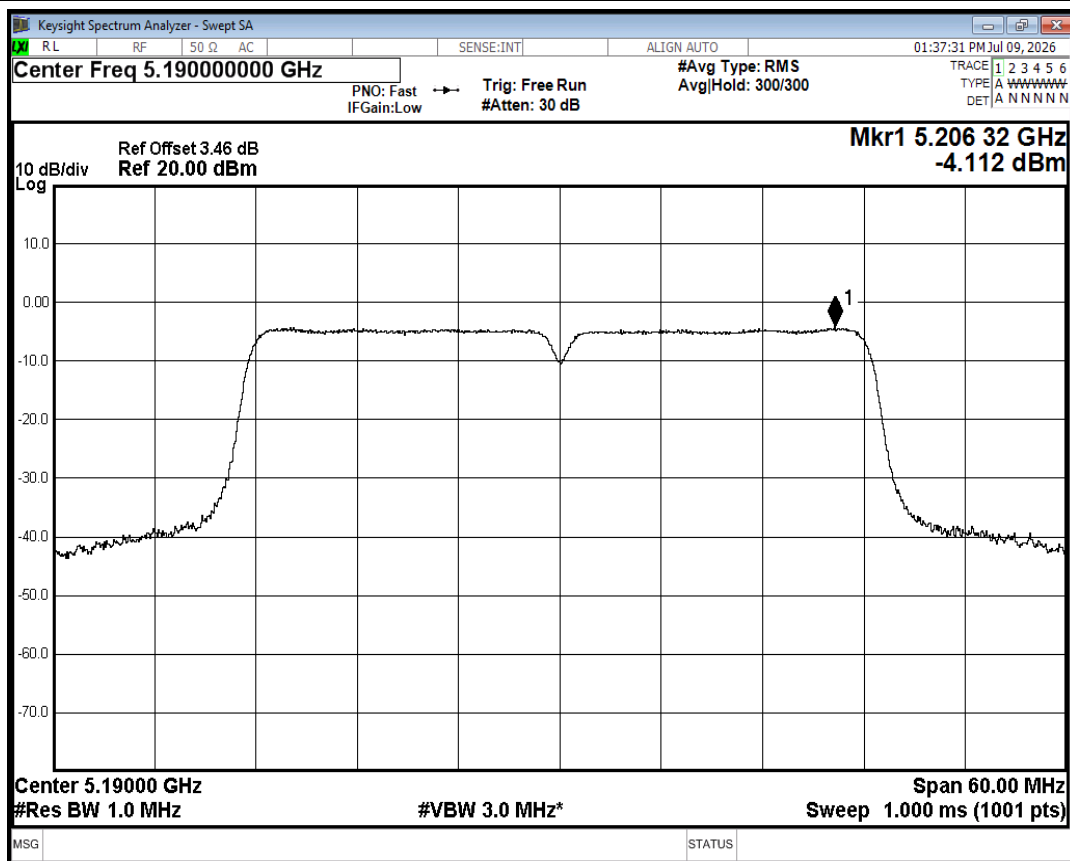
PSD NVNT n40 5230MHz Ant1



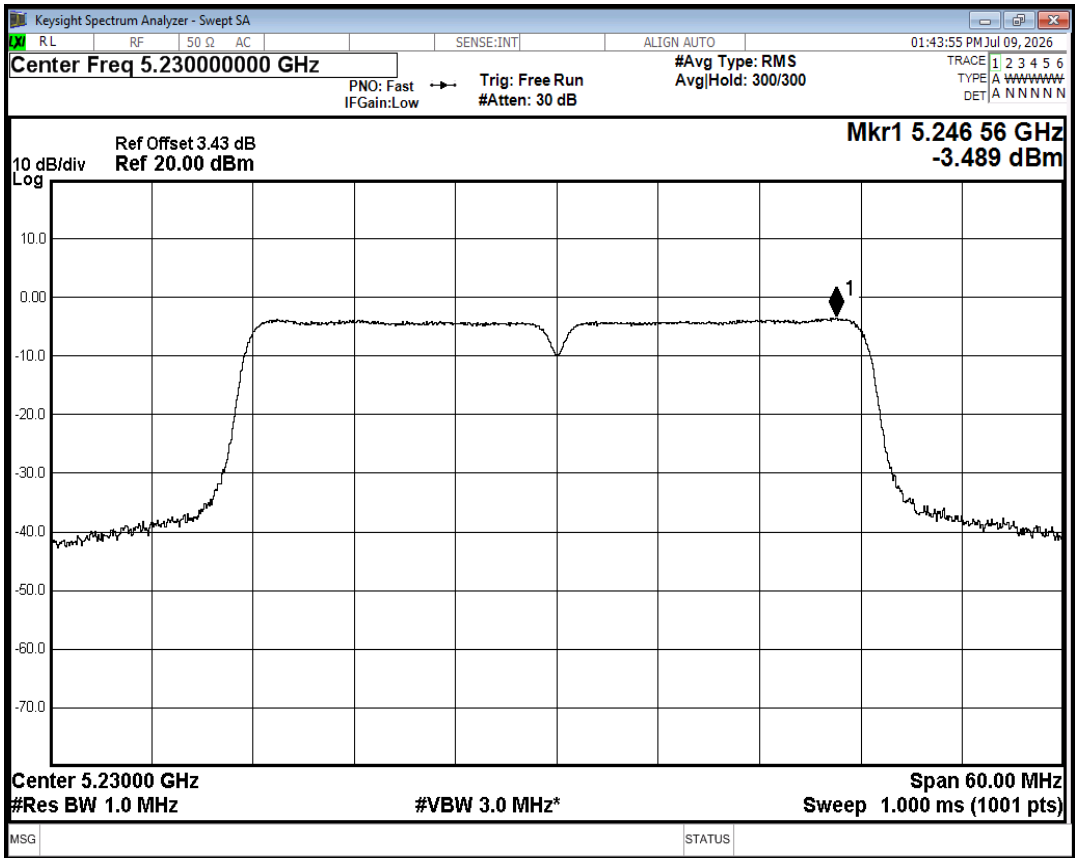
PSD NVNT ac20 5180MHz Ant1



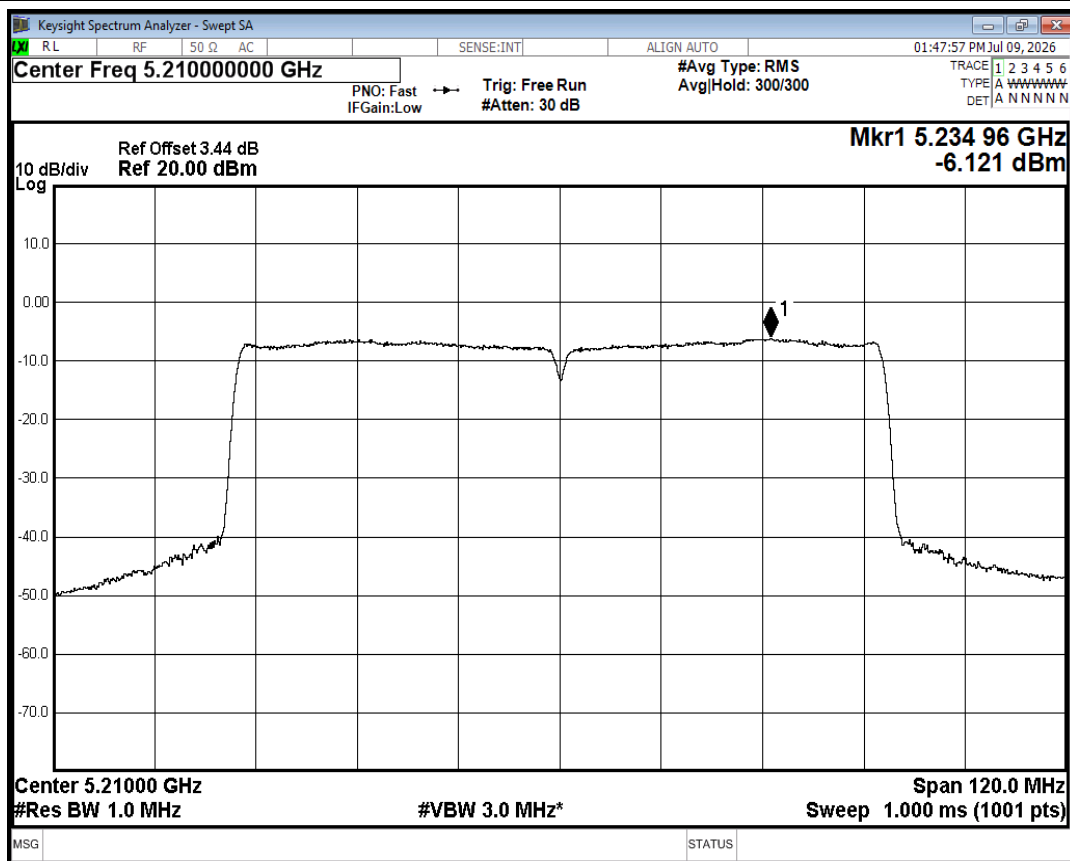




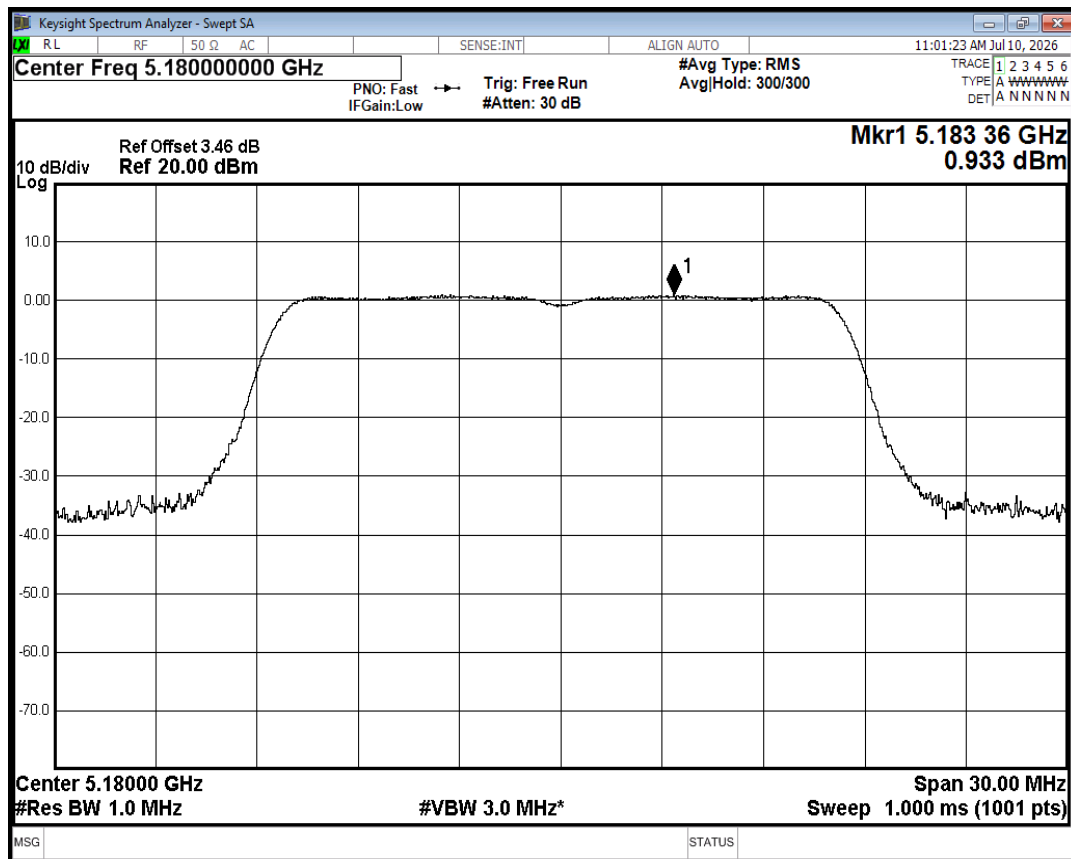
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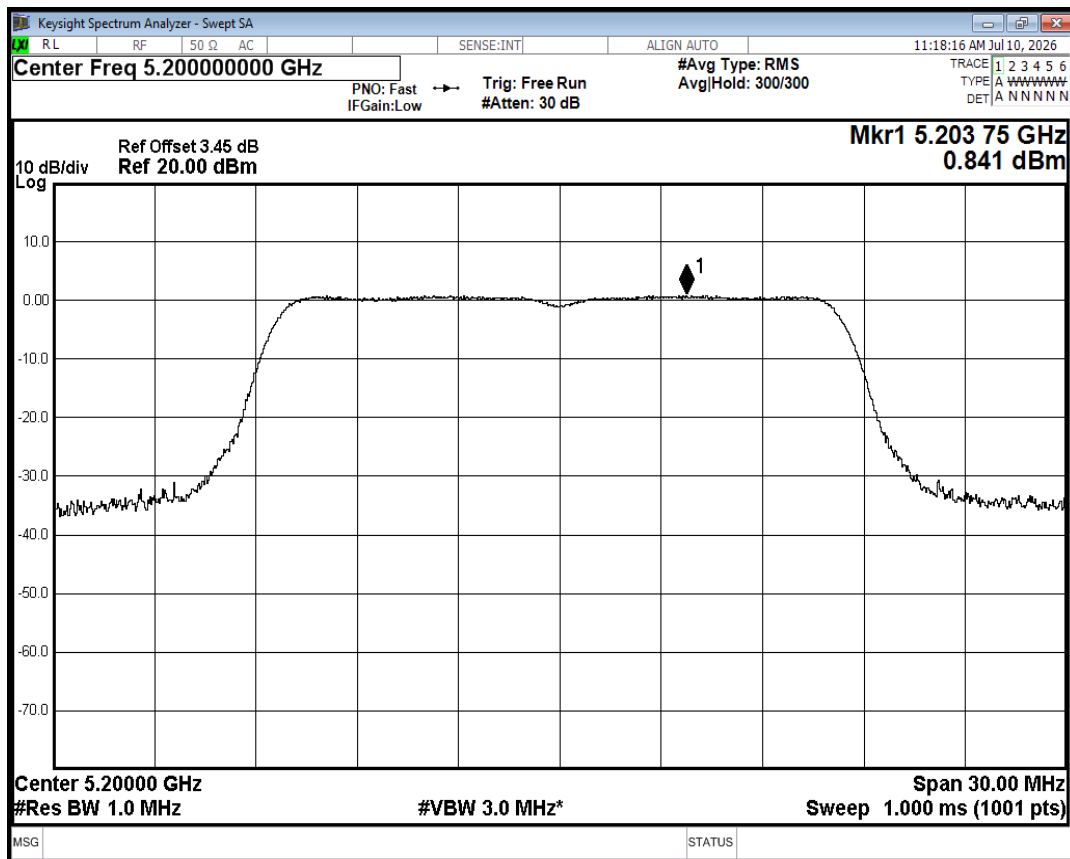


PSD NVNT ac40 5230MHz Ant1

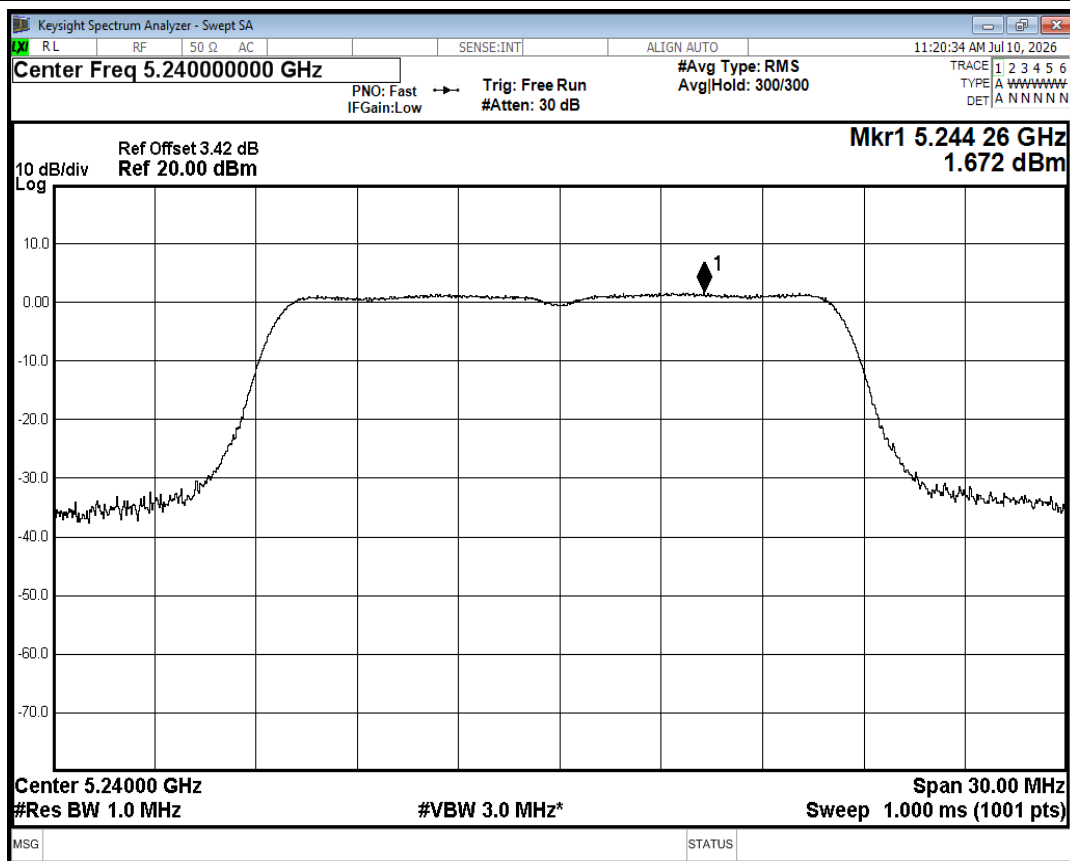


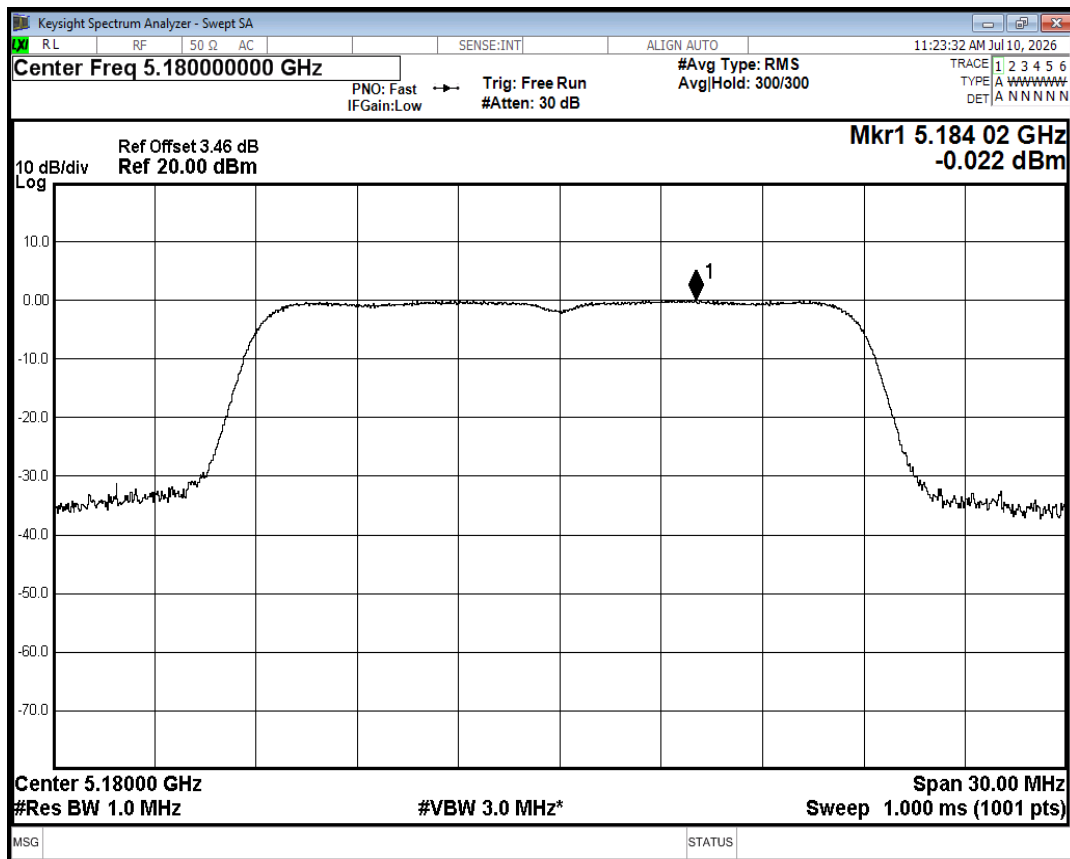
PSD NVNT ac80 5210MHz Ant1



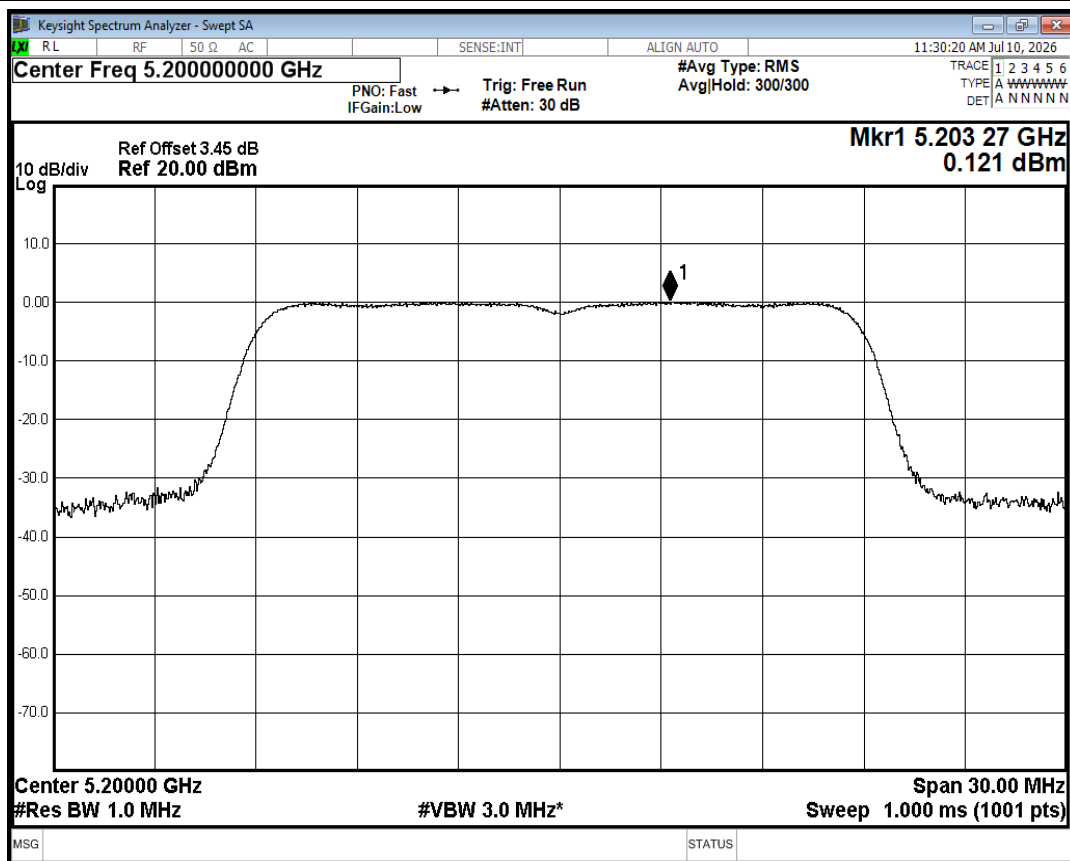


PSD NVNT a 5200MHz Ant2

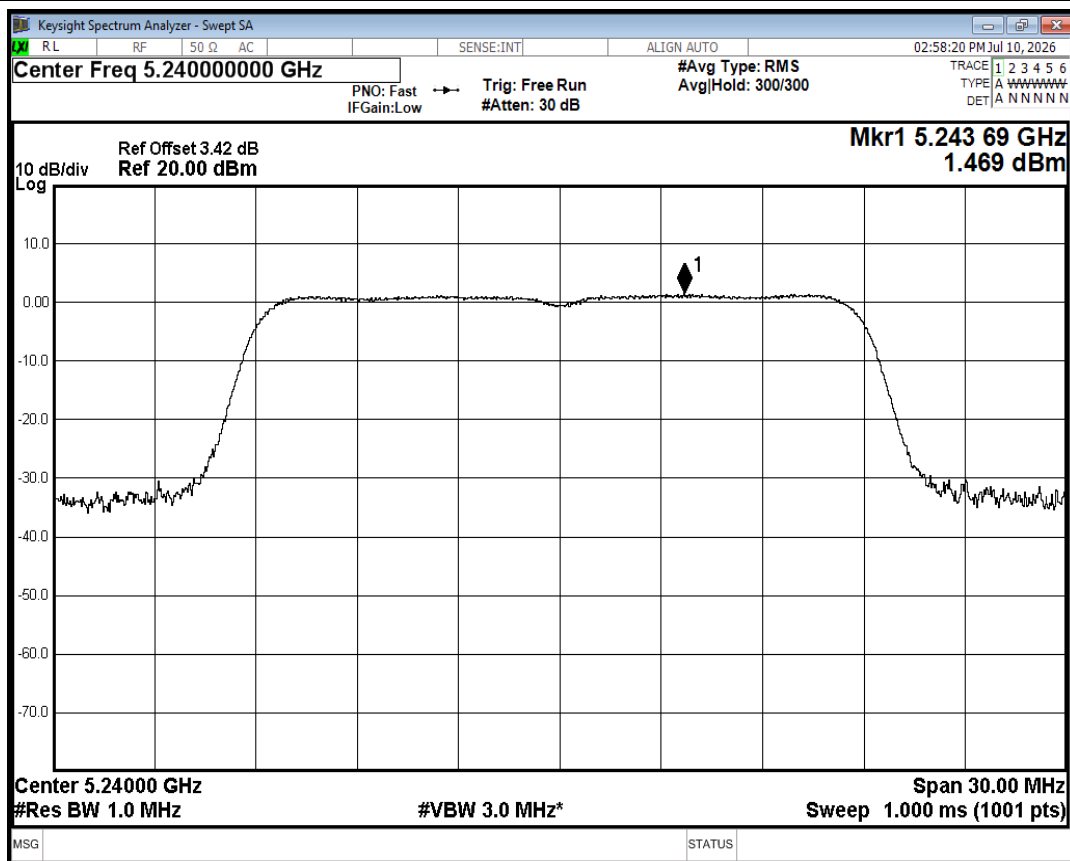




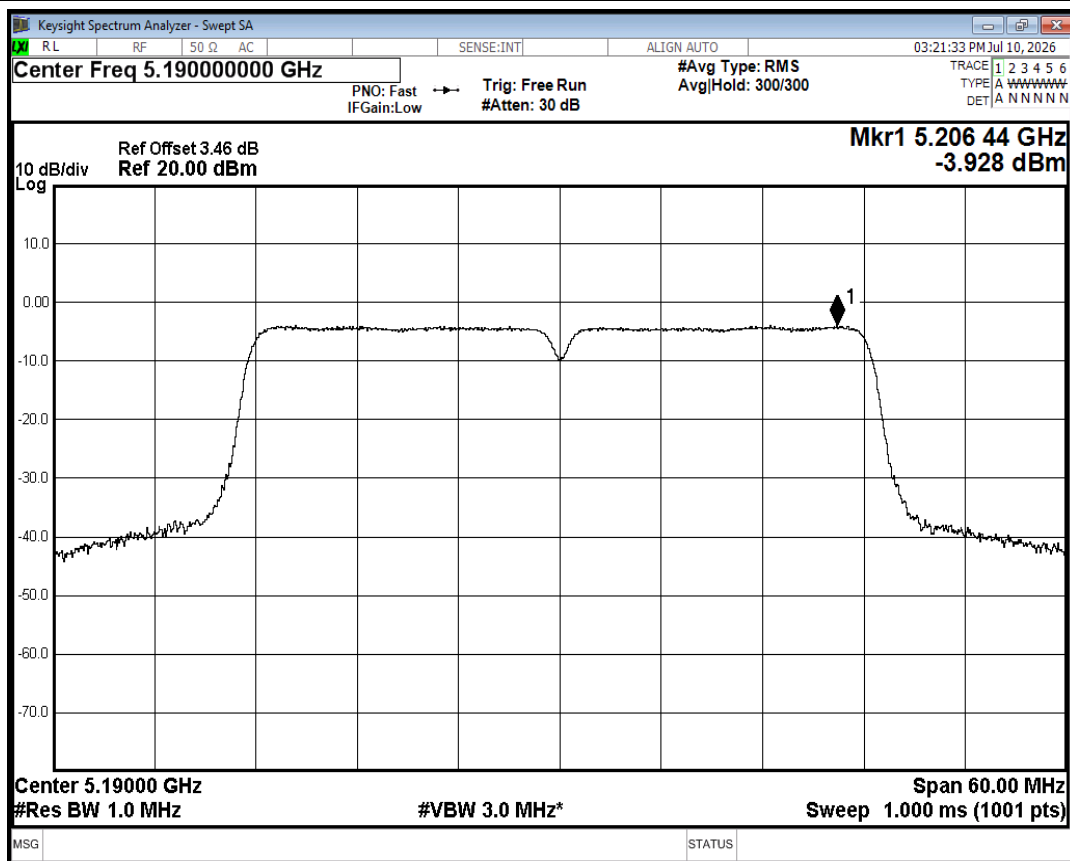
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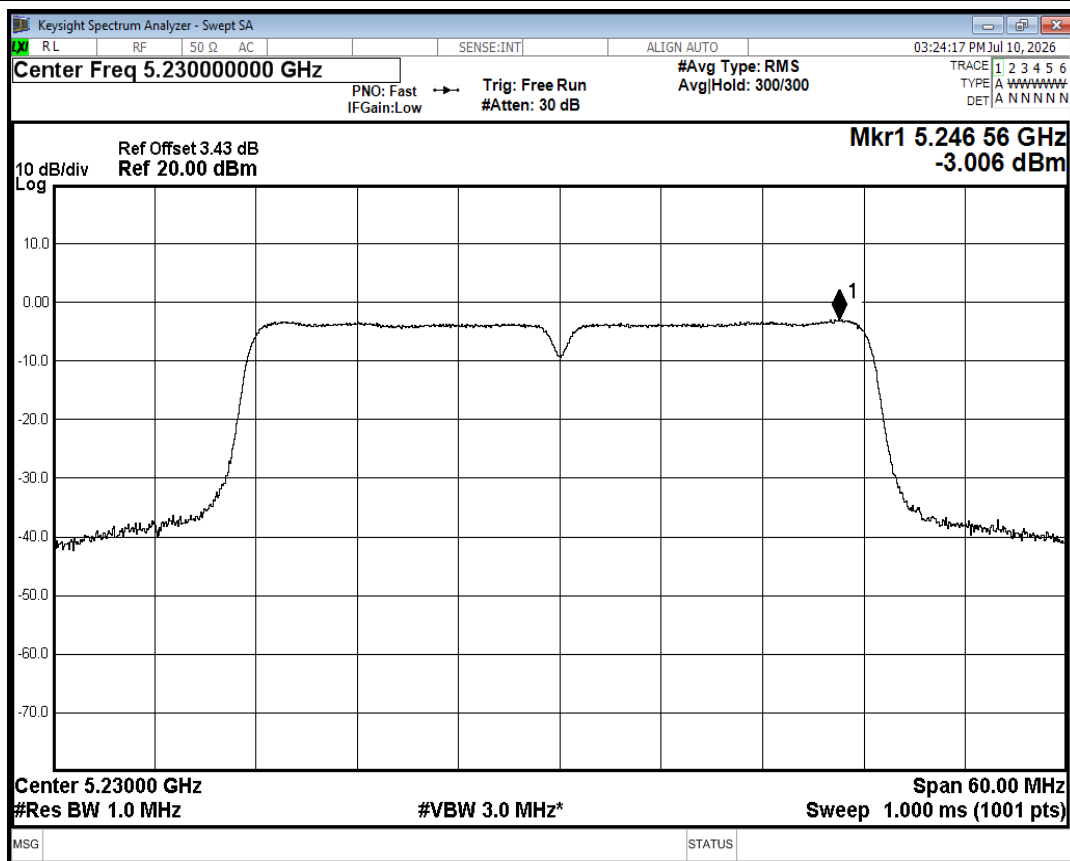
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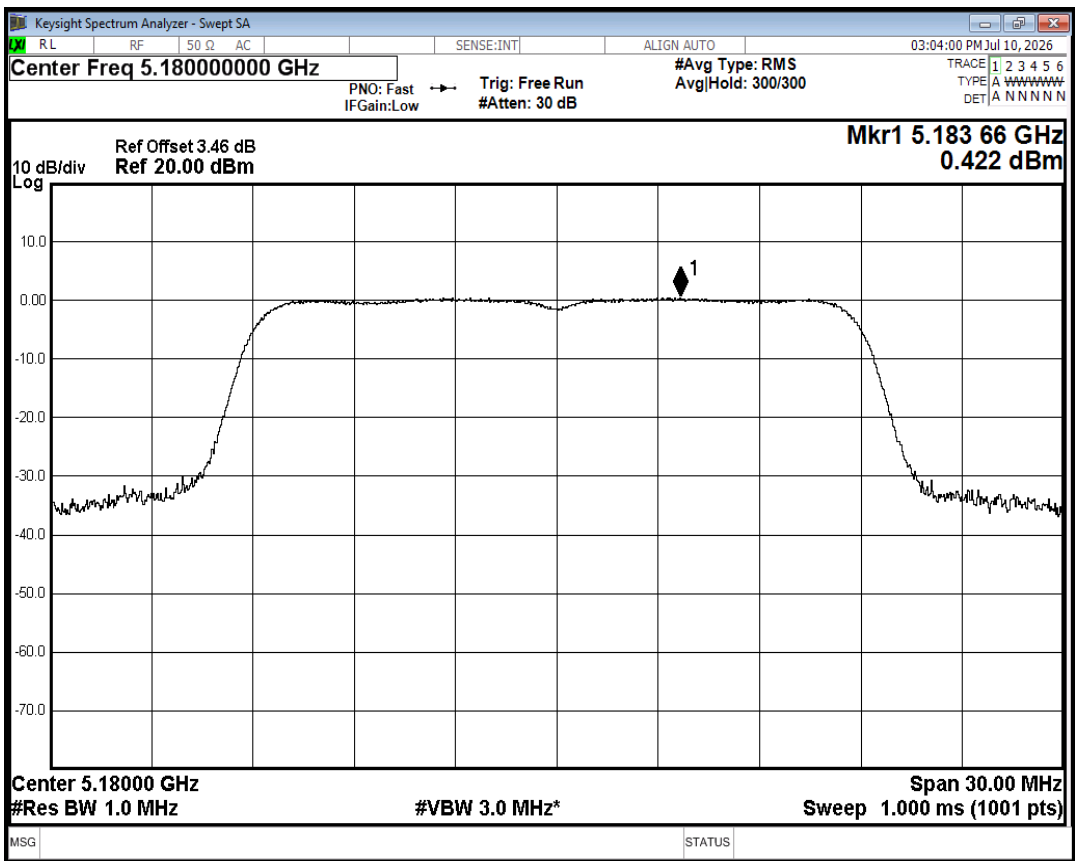
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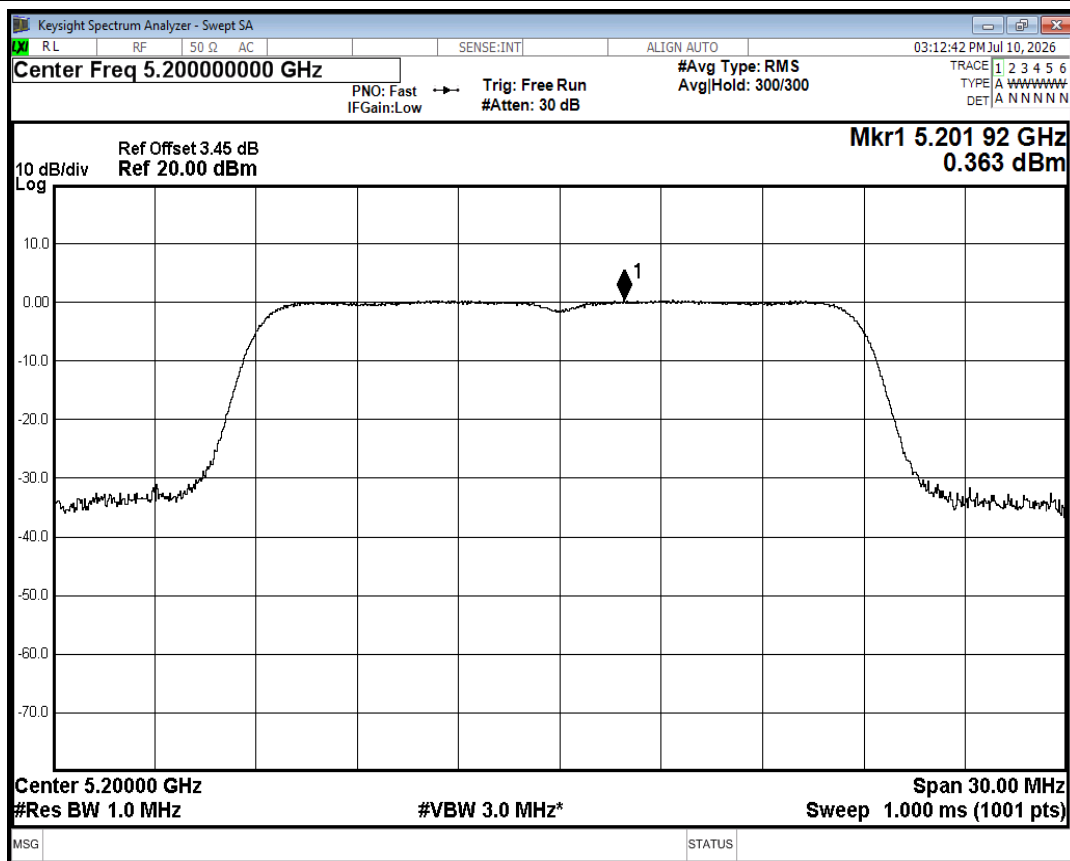
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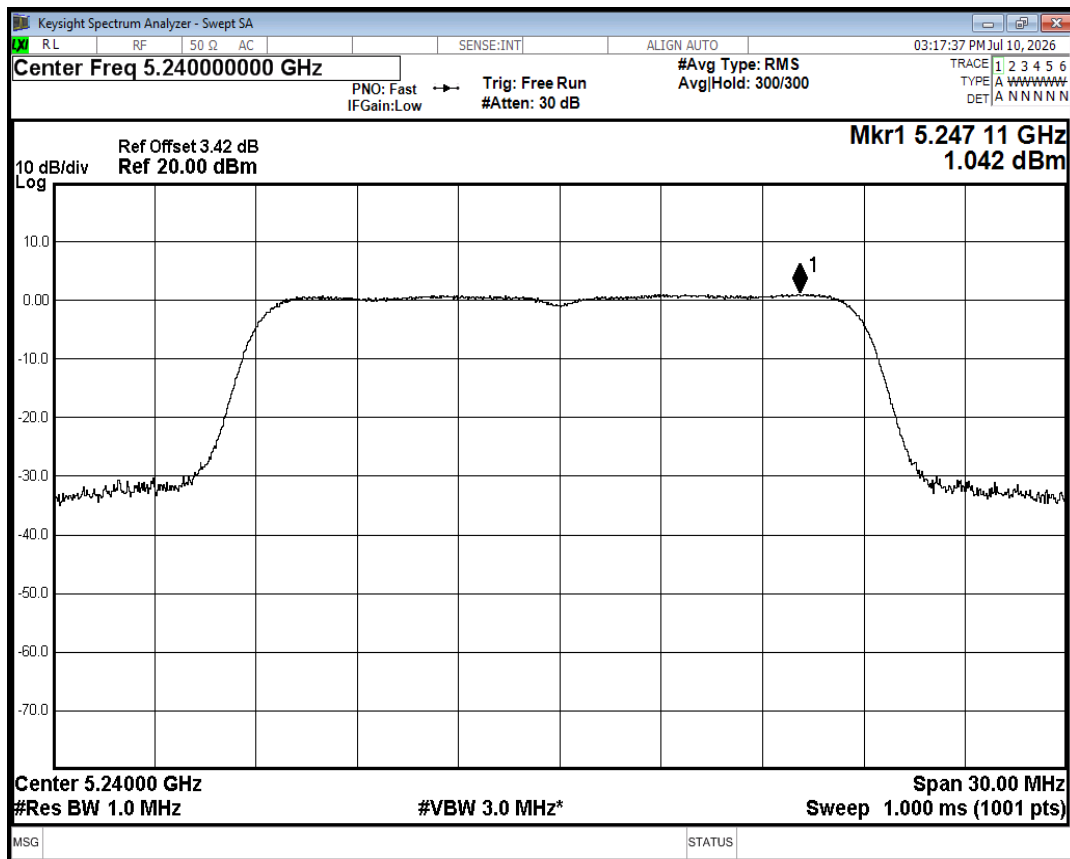
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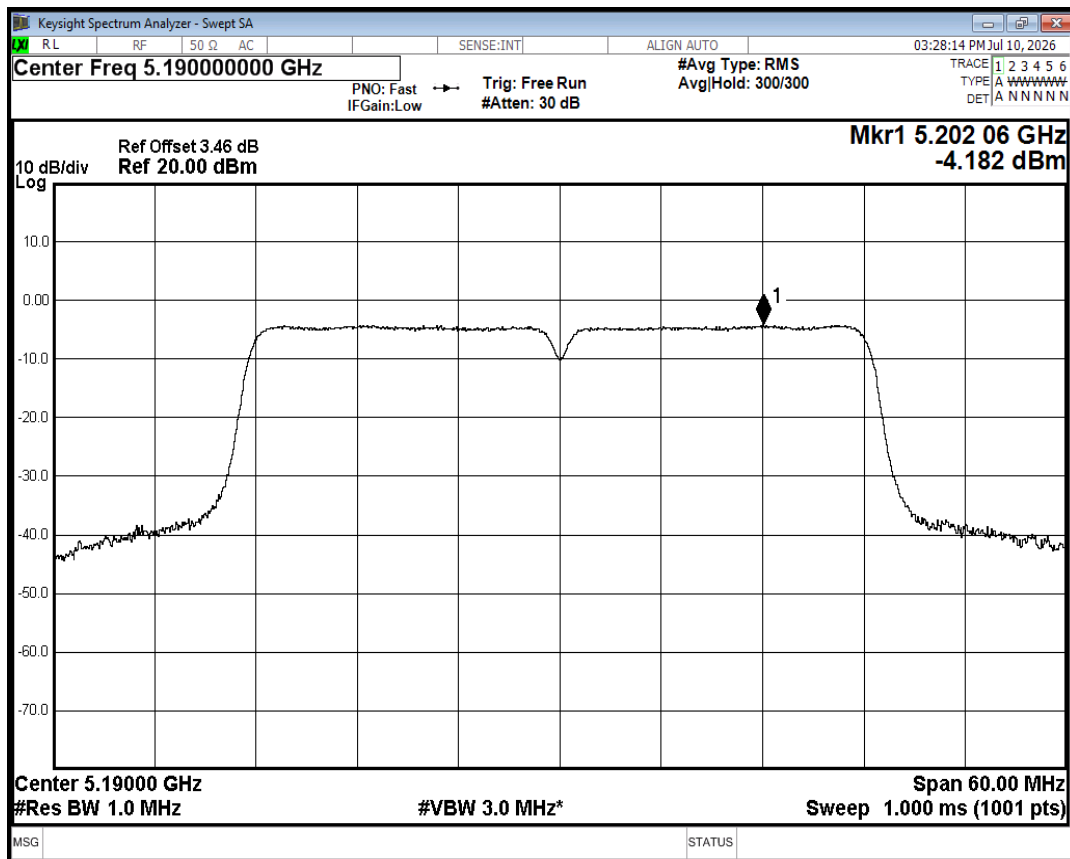
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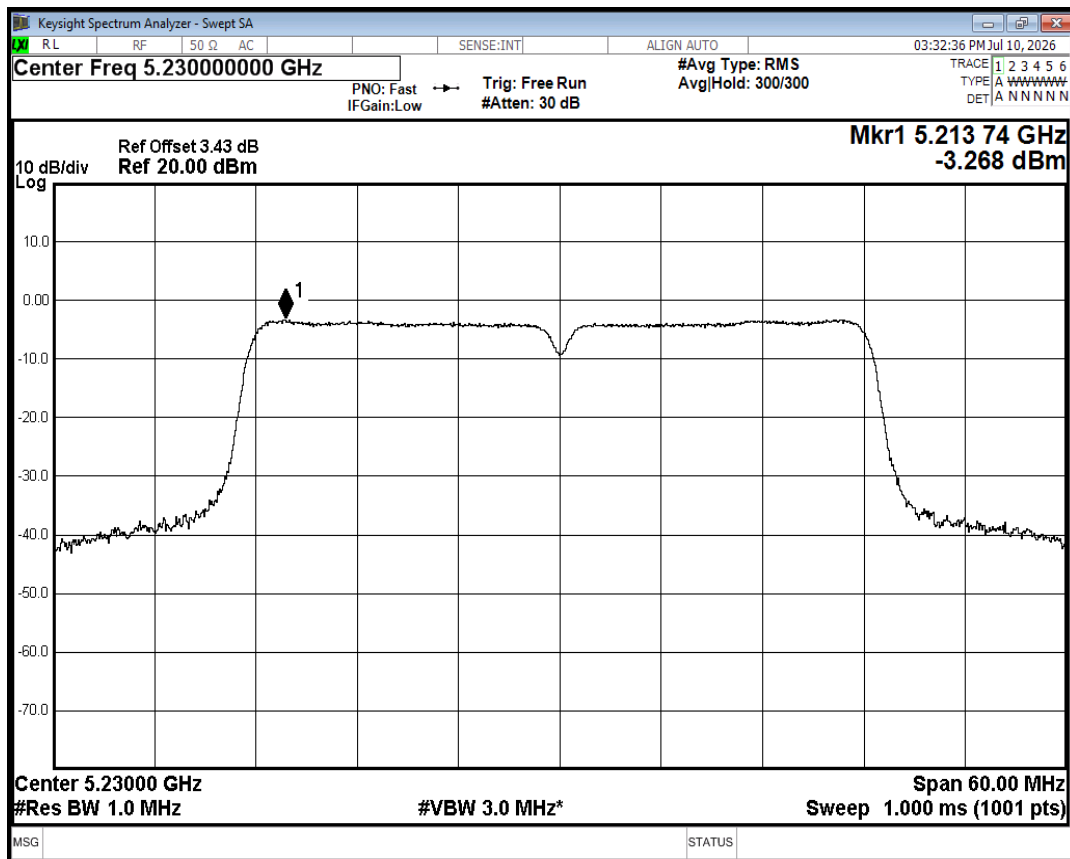
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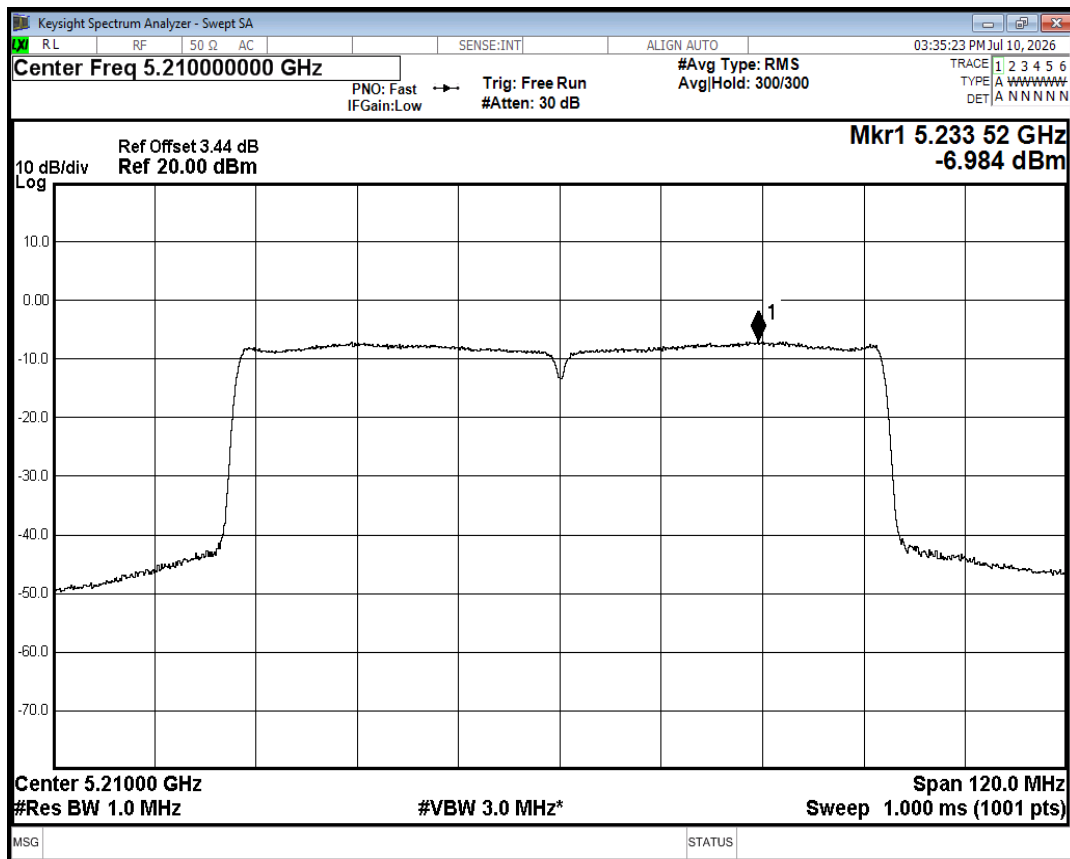
PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant2



PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant2

D.4 Restrict Band

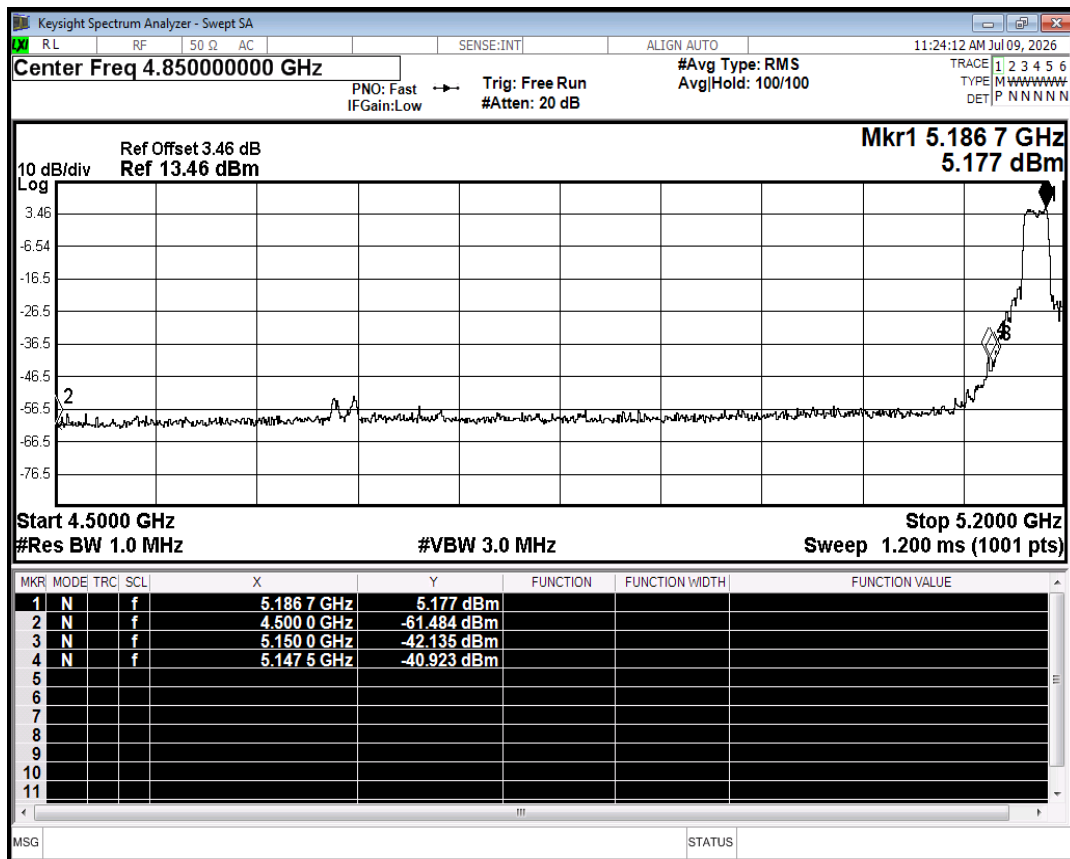
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-61.48	2.88	36.63	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-68.35	2.88	29.76	Average	54	Pass
NVNT	a	5180	Ant1	5147.5	-40.92	2.88	57.19	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-47.89	2.88	50.22	Average	54	Pass
NVNT	a	5180	Ant1	5150	-42.13	2.88	55.98	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-47.15	2.88	50.96	Average	54	Pass
NVNT	a	5240	Ant1	5350	-49.92	2.88	48.19	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-57.01	2.88	41.10	Average	54	Pass
NVNT	a	5240	Ant1	5439.6	-45.64	2.88	52.47	Peak	68.2	Pass
NVNT	a	5240	Ant1	5446.08	-56.72	2.88	41.39	Average	54	Pass
NVNT	a	5240	Ant1	5460	-49.34	2.88	48.77	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-56.87	2.88	41.24	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-51.52	2.88	46.59	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.5	2.88	39.61	Average	54	Pass
NVNT	n20	5180	Ant1	5147.5	-40.23	2.88	57.88	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-45.23	2.88	52.88	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-41.51	2.88	56.60	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-44.72	2.88	53.39	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-50.07	2.88	48.04	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-57.07	2.88	41.04	Average	54	Pass
NVNT	n20	5240	Ant1	5382.48	-46.41	2.88	51.70	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5432.88	-56.58	2.88	41.53	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.14	2.88	48.97	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-56.78	2.88	41.33	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-60	2.88	38.11	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-68.16	2.88	29.95	Average	54	Pass
NVNT	n40	5190	Ant1	5146.78	-41.21	2.88	56.90	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-49.1	2.88	49.01	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-44.2	2.88	53.91	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-48.38	2.88	49.73	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-48.45	2.88	49.66	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.08	2.88	41.03	Average	54	Pass
NVNT	n40	5230	Ant1	5400.33	-47.48	2.88	50.63	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5410.86	-56.36	2.88	41.75	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-50.65	2.88	47.46	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-56.63	2.88	41.48	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-52.33	2.88	45.78	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.42	2.88	39.69	Average	54	Pass

Guangzhou LCS Compliance Testing Laboratory Ltd.

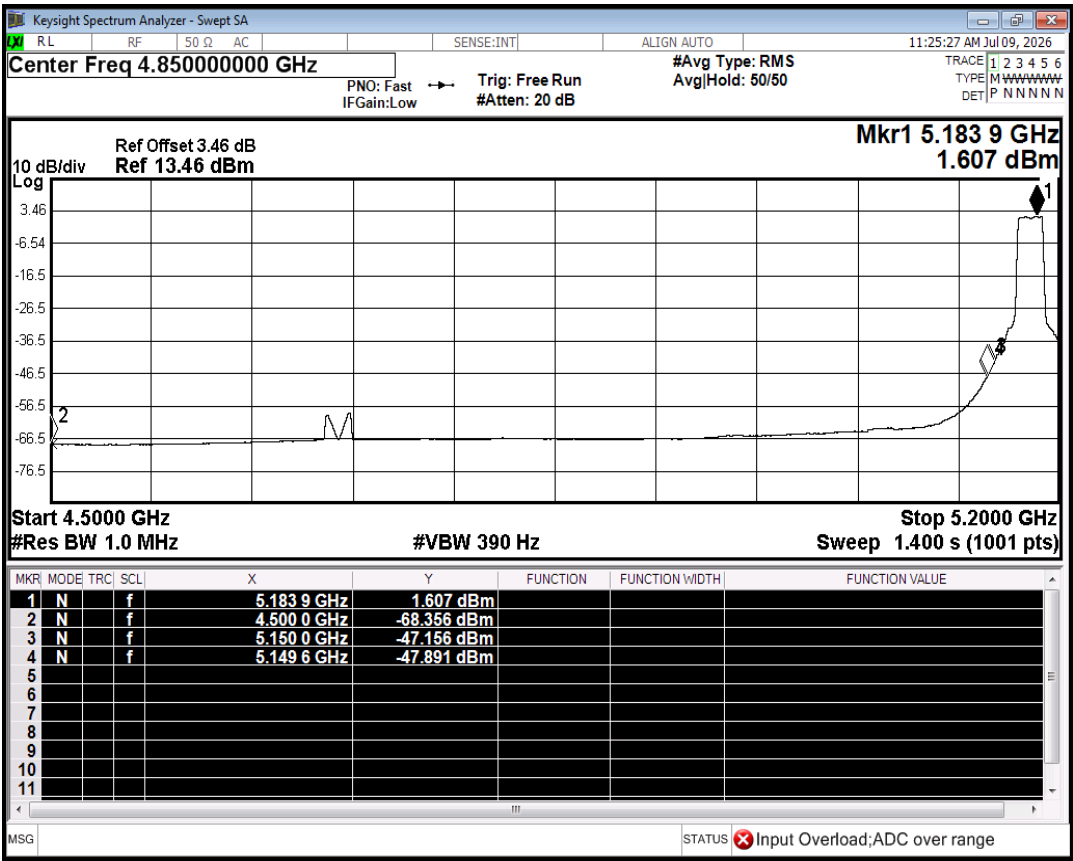
Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

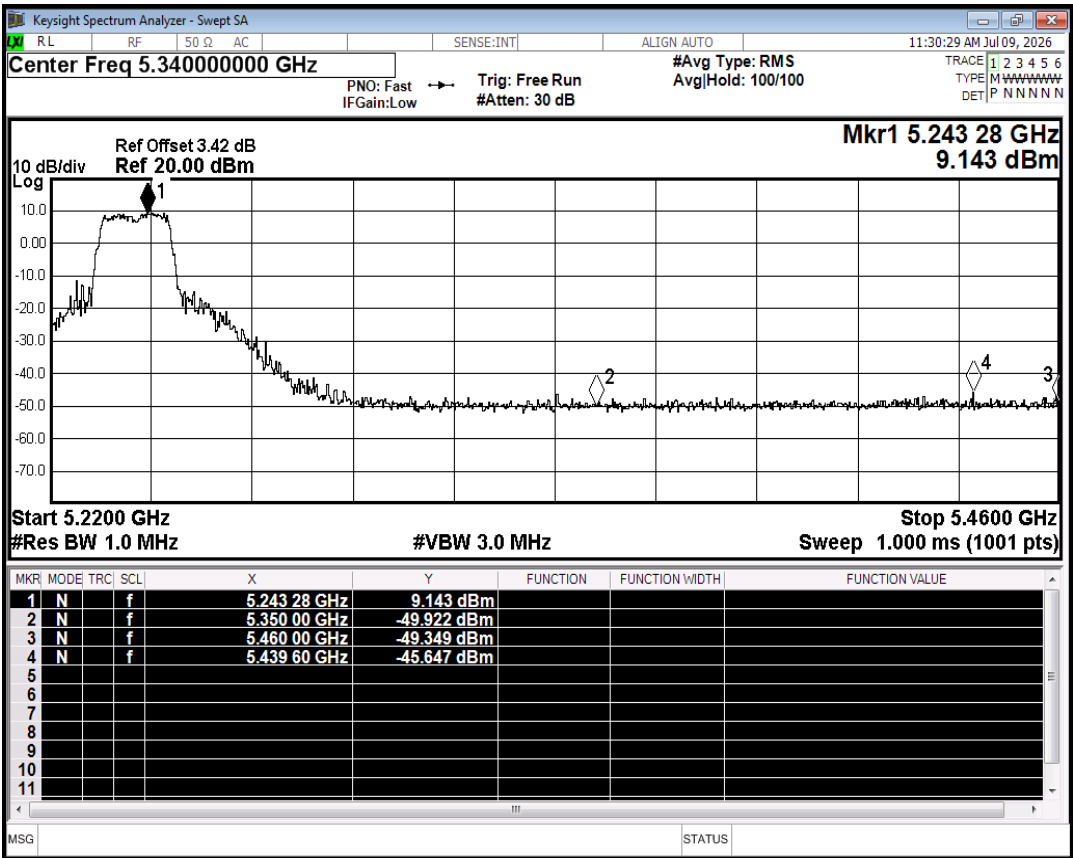
NVNT	ac20	5180	Ant1	5149.6	-40.92	2.88	57.19	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-47.33	2.88	50.78	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-41.52	2.88	56.59	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-47.07	2.88	51.04	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-50.58	2.88	47.53	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-57.12	2.88	40.99	Average	54	Pass
NVNT	ac20	5240	Ant1	5420.4	-47.36	2.88	50.75	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5455.92	-56.6	2.88	41.51	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-50.65	2.88	47.46	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-56.81	2.88	41.30	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-51.03	2.88	47.08	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.28	2.88	39.83	Average	54	Pass
NVNT	ac40	5190	Ant1	5149.7	-42.02	2.88	56.09	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-48.32	2.88	49.79	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-41.27	2.88	56.84	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-47.66	2.88	50.45	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-51.09	2.88	47.02	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-56.89	2.88	41.22	Average	54	Pass
NVNT	ac40	5230	Ant1	5429.49	-46.74	2.88	51.37	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5417.07	-56.33	2.88	41.78	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-49.31	2.88	48.80	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-56.47	2.88	41.64	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-50.03	2.88	48.08	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-55.6	2.88	42.51	Average	54	Pass
NVNT	ac80	5210	Ant1	5395.65	-46.08	2.88	52.03	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5354.4	-55.03	2.88	43.08	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-50.83	2.88	47.28	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-56.24	2.88	41.87	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-52.08	2.88	46.03	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-58.08	2.88	40.03	Average	54	Pass
NVNT	ac80	5210	Ant1	5147.8	-39.93	2.88	58.18	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5148.59	-47.77	2.88	50.34	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-44.17	2.88	53.94	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-47.66	2.88	50.45	Average	54	Pass



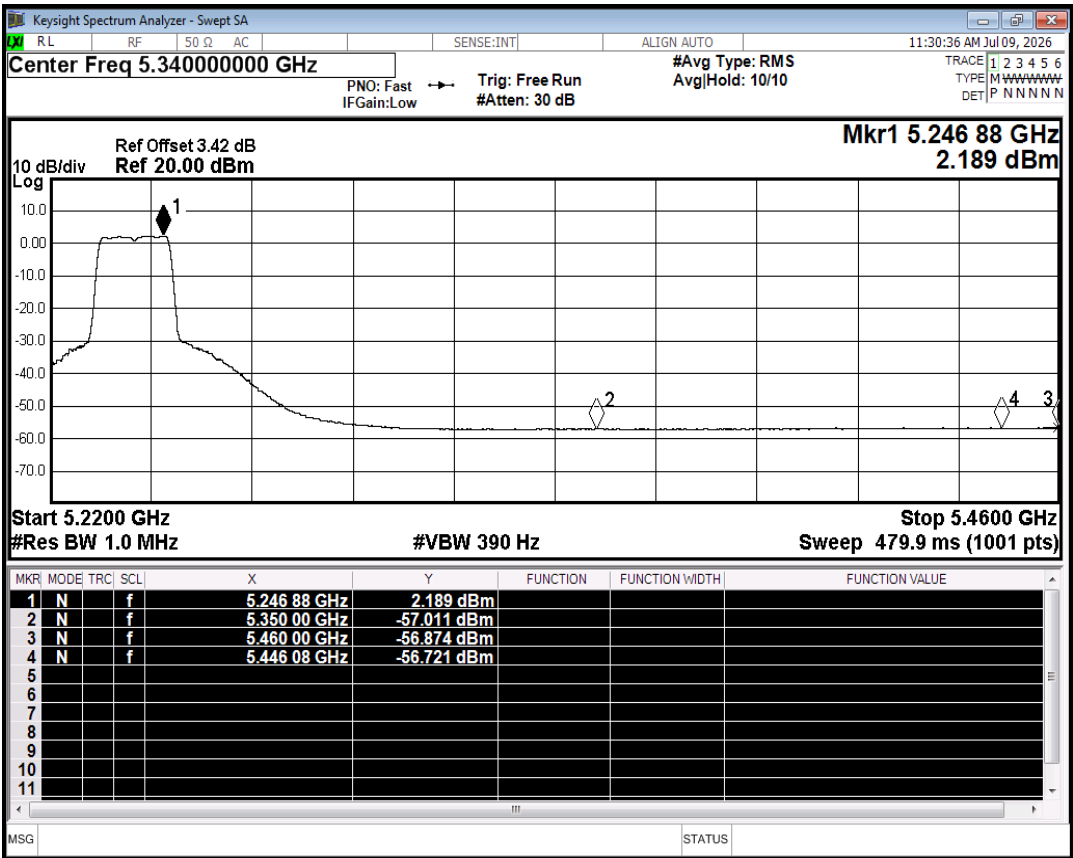
Restrict Band NVNT a 5180MHz Ant1 Peak



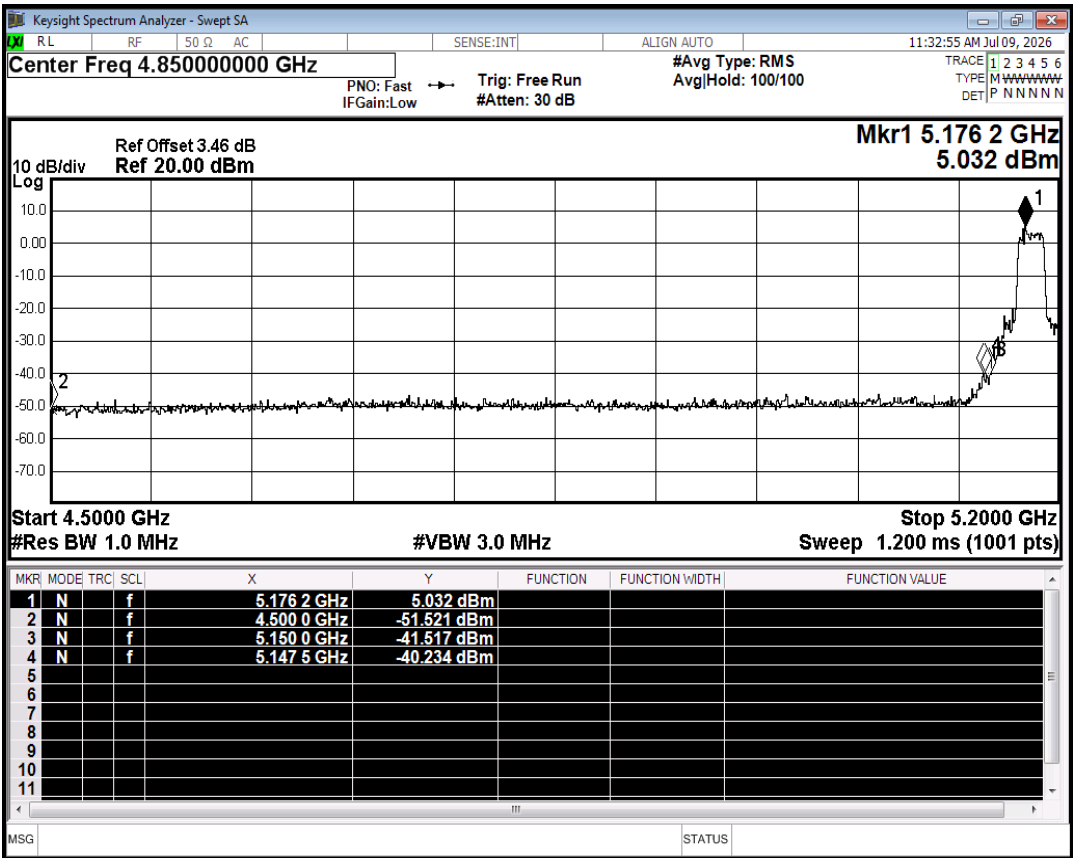
Restrict Band NVNT a 5180MHz Ant1 Average



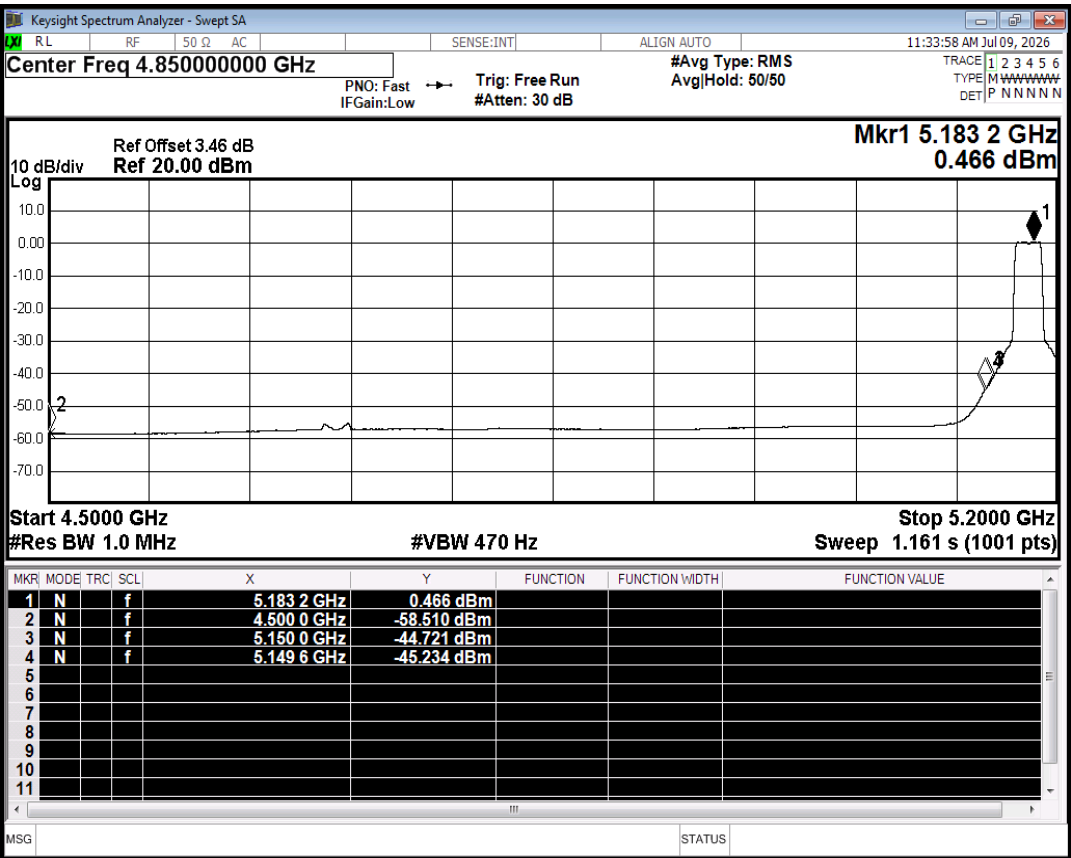
Restrict Band NVNT a 5240MHz Ant1 Peak



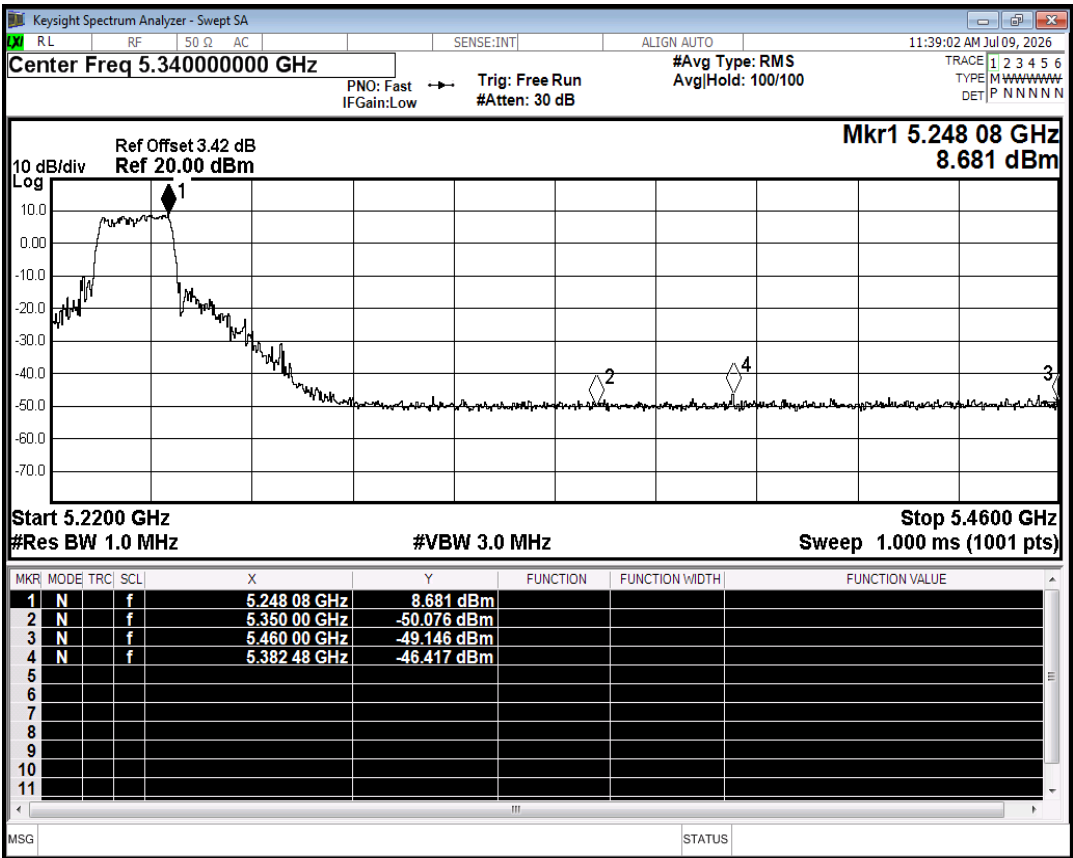
Restrict Band NVNT a 5240MHz Ant1 Average



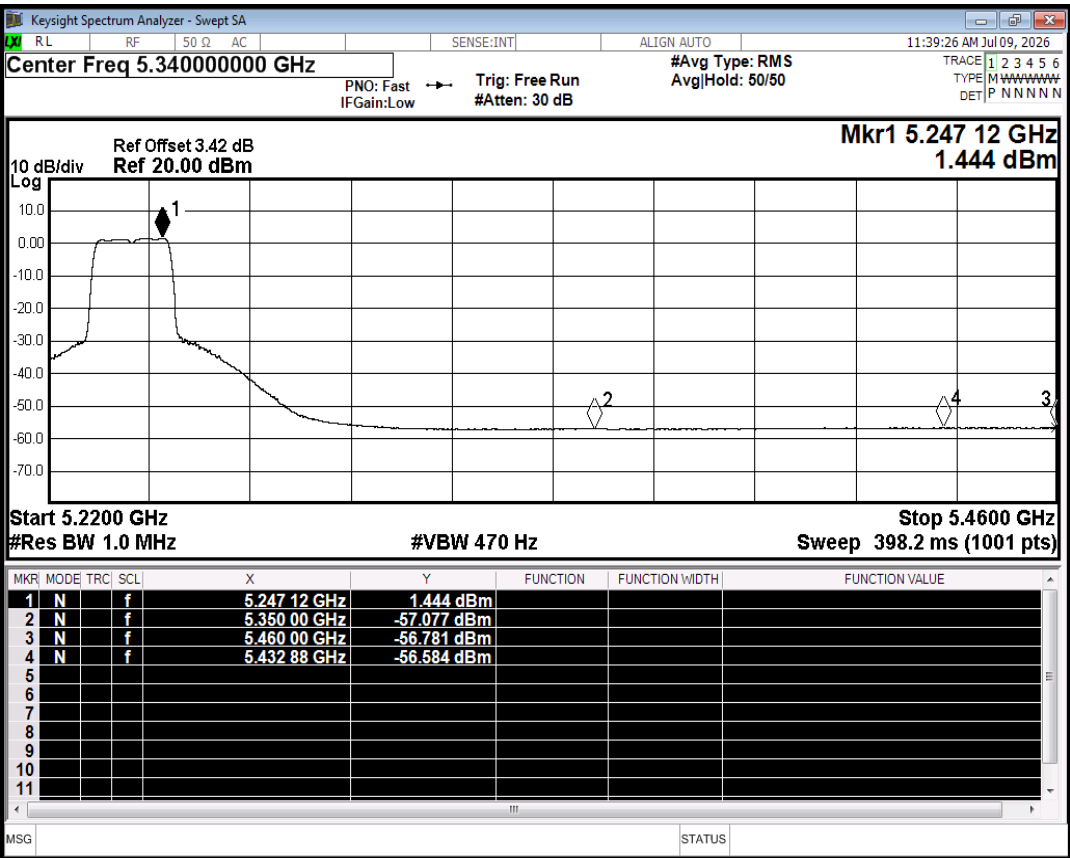
Restrict Band NVNT n20 5180MHz Ant1 Peak



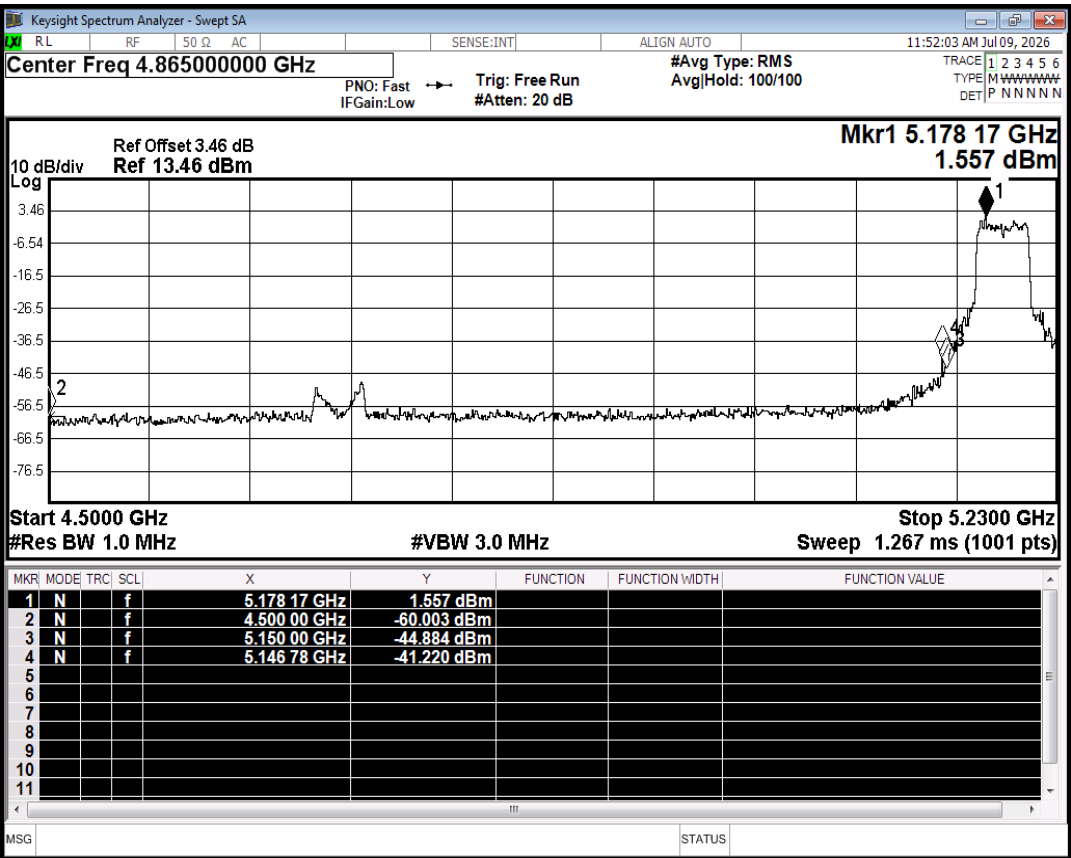
Restrict Band NVNT n20 5180MHz Ant1 Average



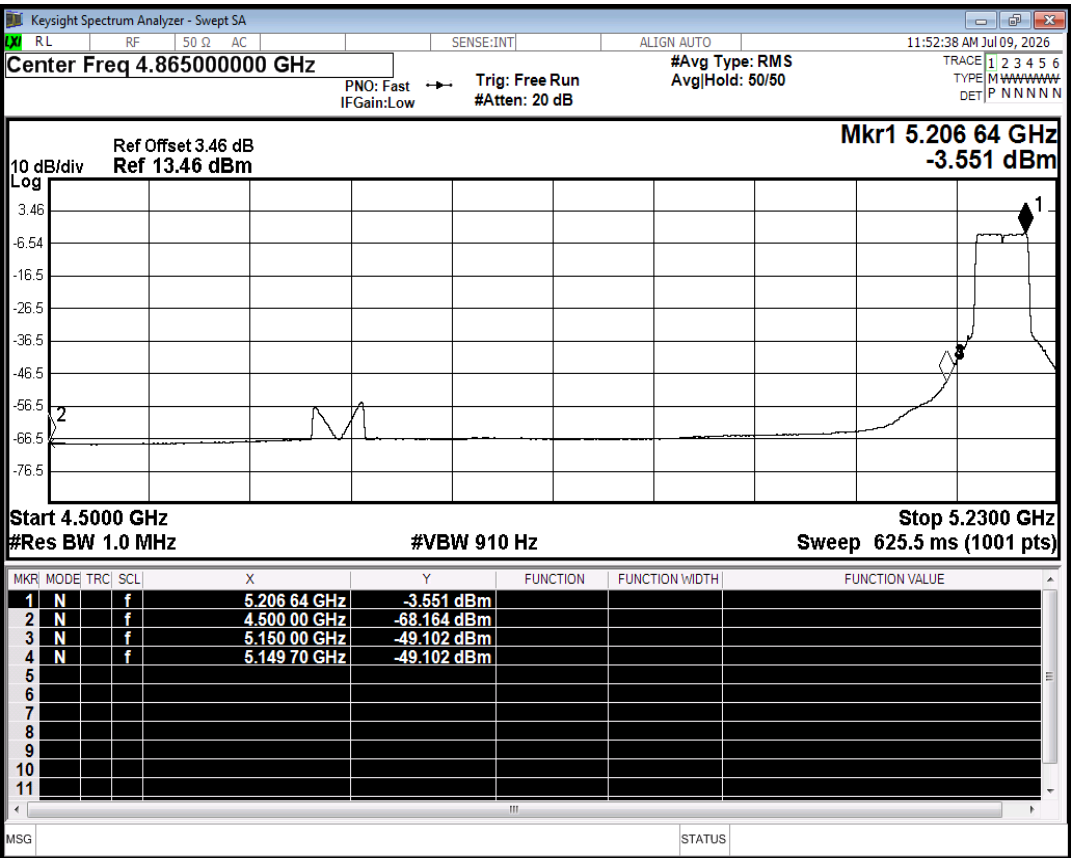
Restrict Band NVNT n20 5240MHz Ant1 Peak



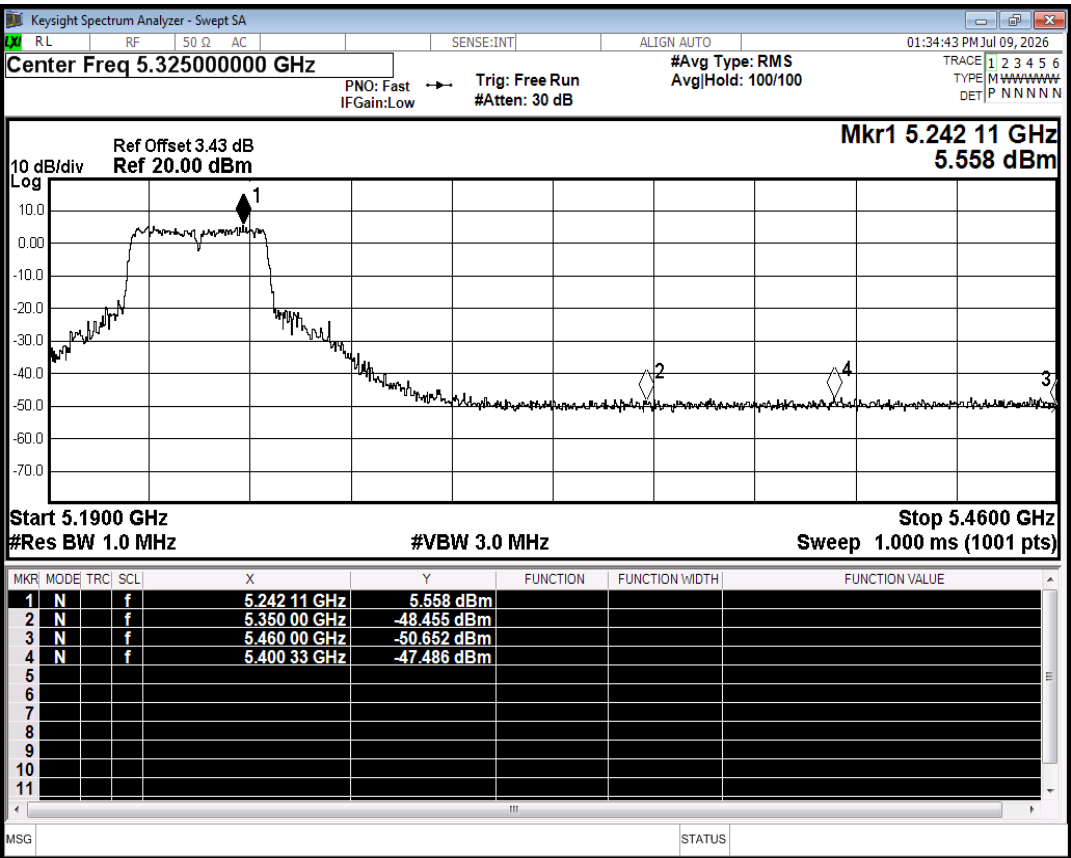
Restrict Band NVNT n20 5240MHz Ant1 Average



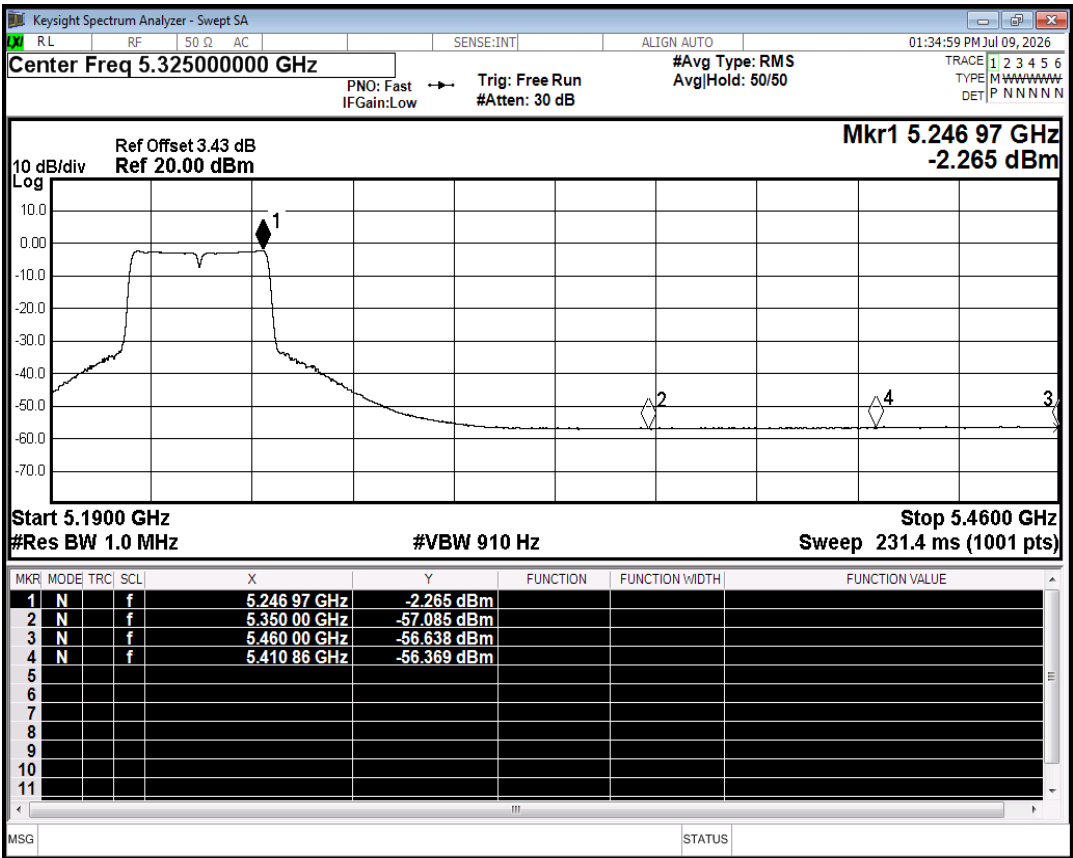
Restrict Band NVNT n40 5190MHz Ant1 Peak



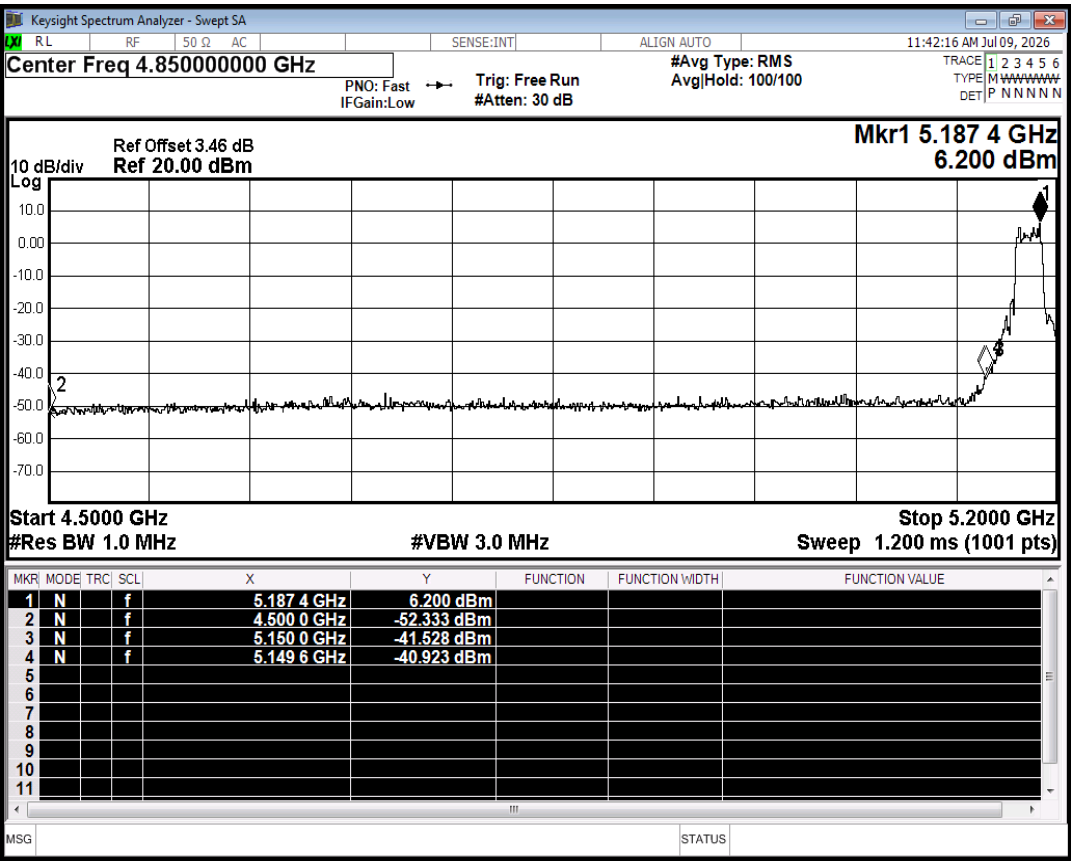
Restrict Band NVNT n40 5190MHz Ant1 Average



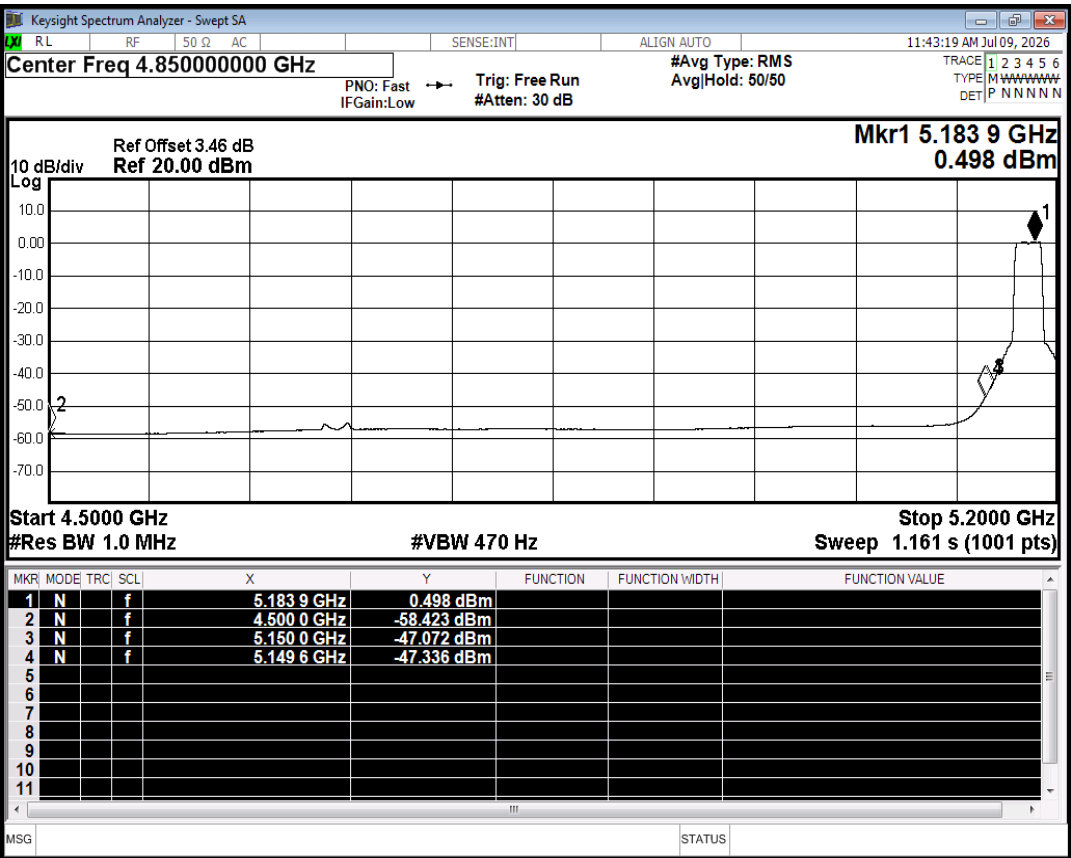
Restrict Band NVNT n40 5230MHz Ant1 Peak



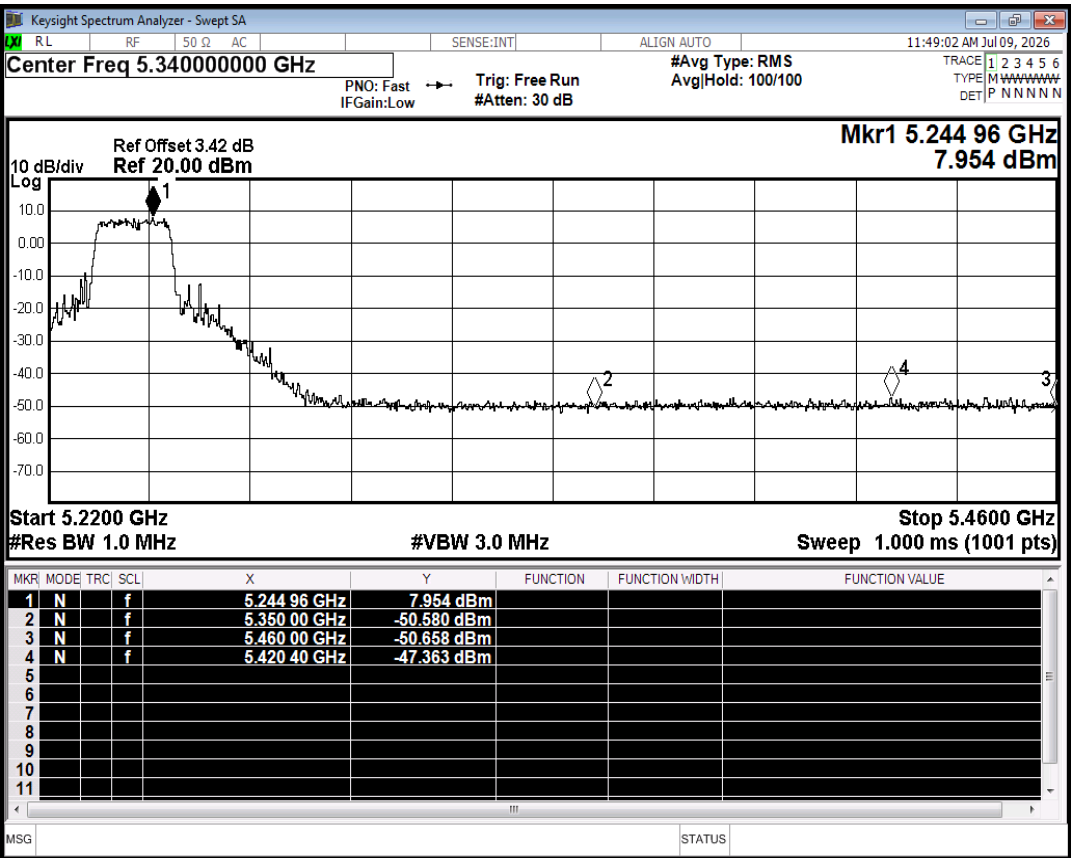
Restrict Band NVNT n40 5230MHz Ant1 Average



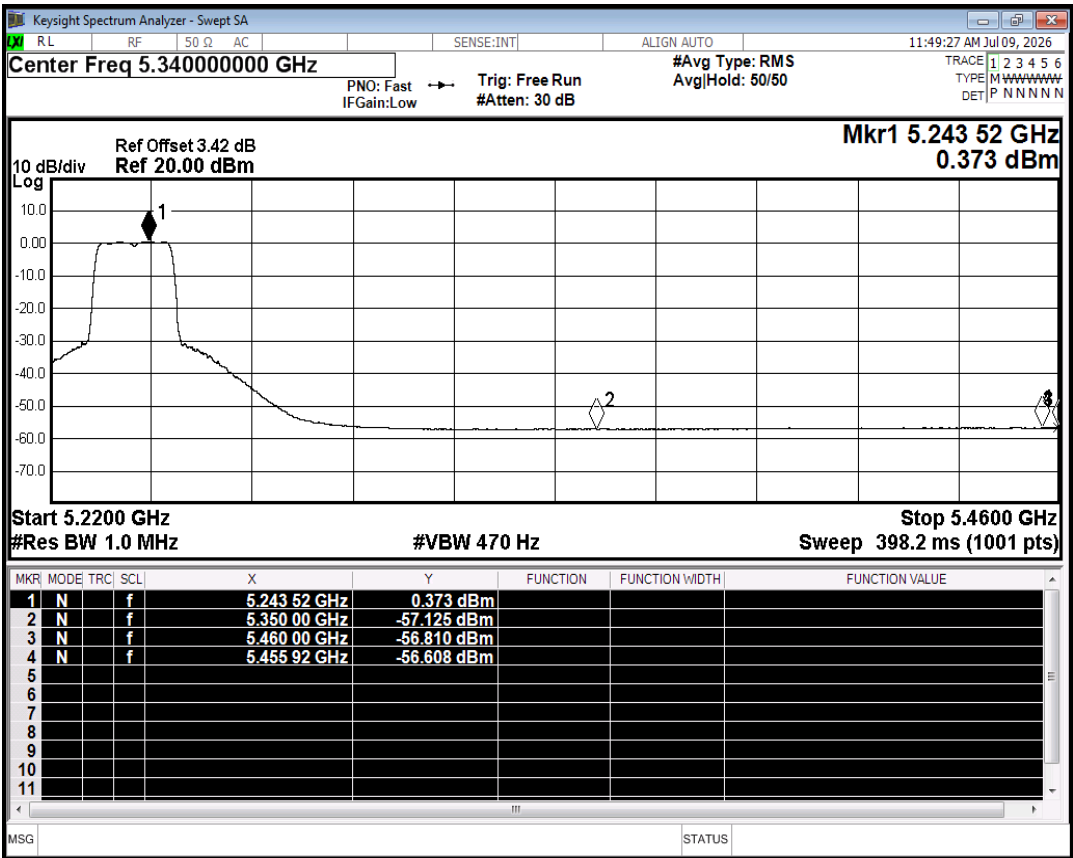
Restrict Band NVNT ac20 5180MHz Ant1 Peak



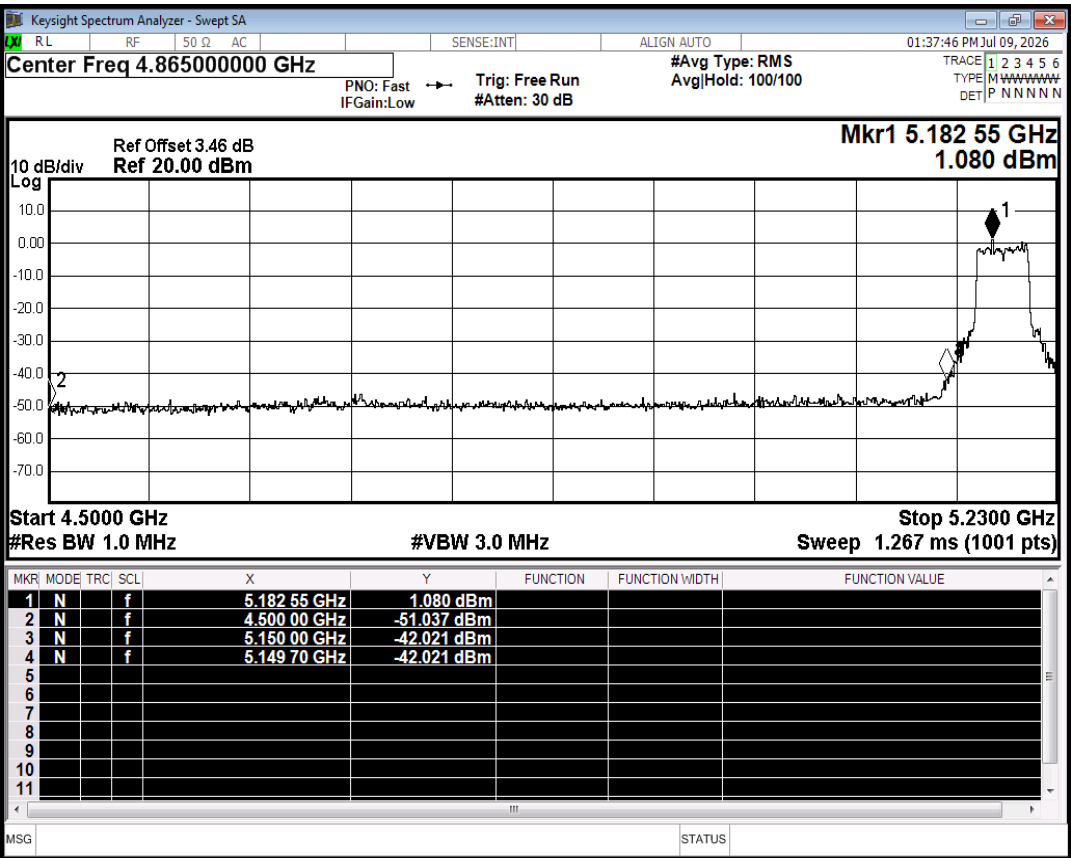
Restrict Band NVNT ac20 5180MHz Ant1 Average



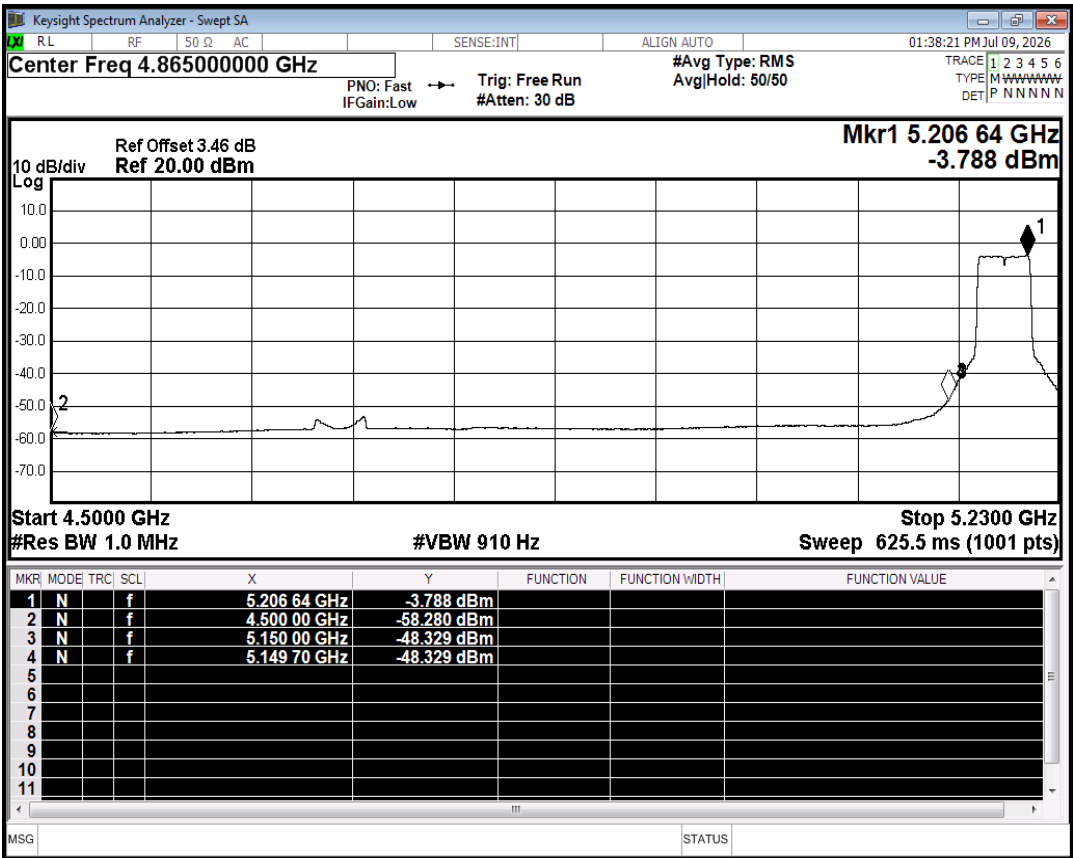
Restrict Band NVNT ac20 5240MHz Ant1 Peak



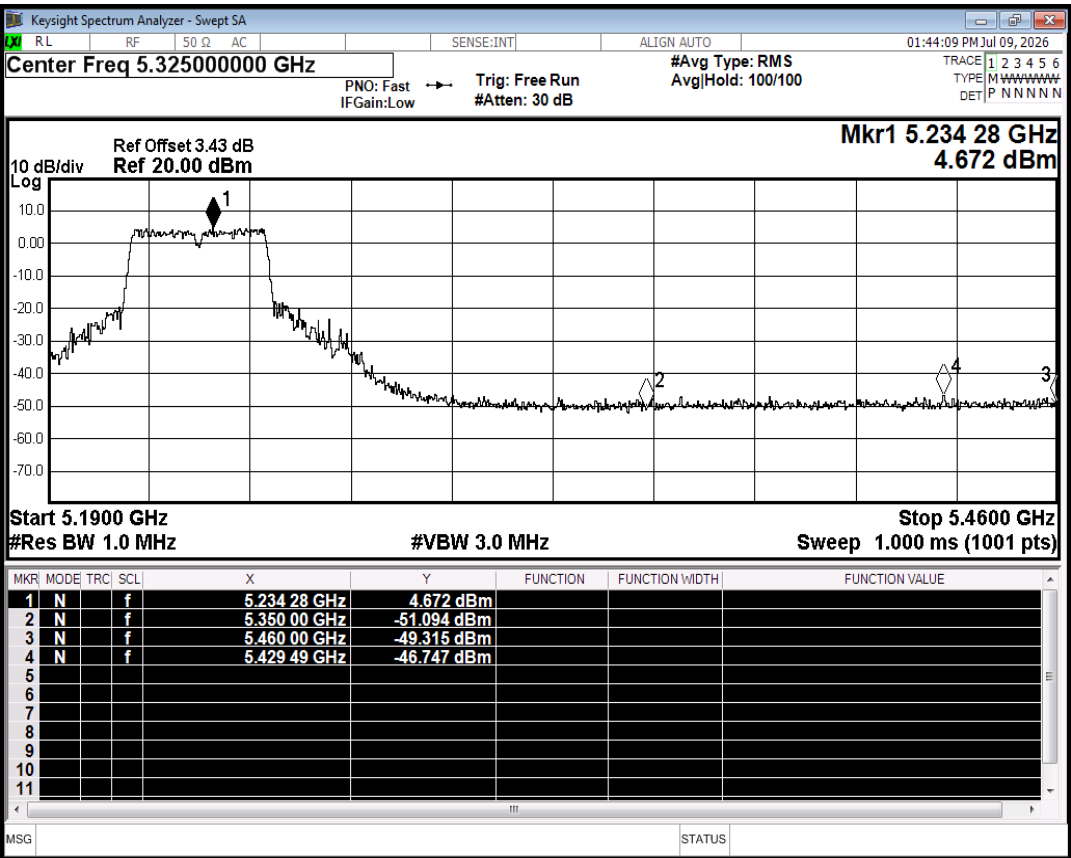
Restrict Band NVNT ac20 5240MHz Ant1 Average



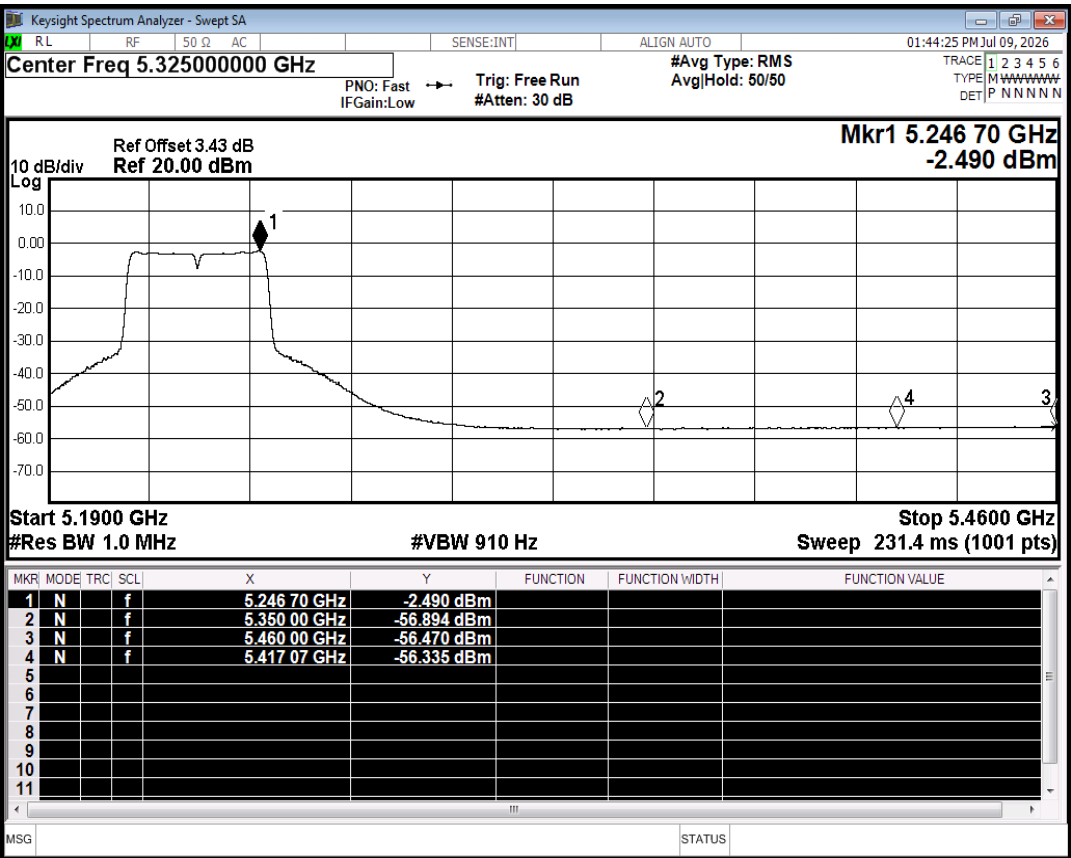
Restrict Band NVNT ac40 5190MHz Ant1 Peak



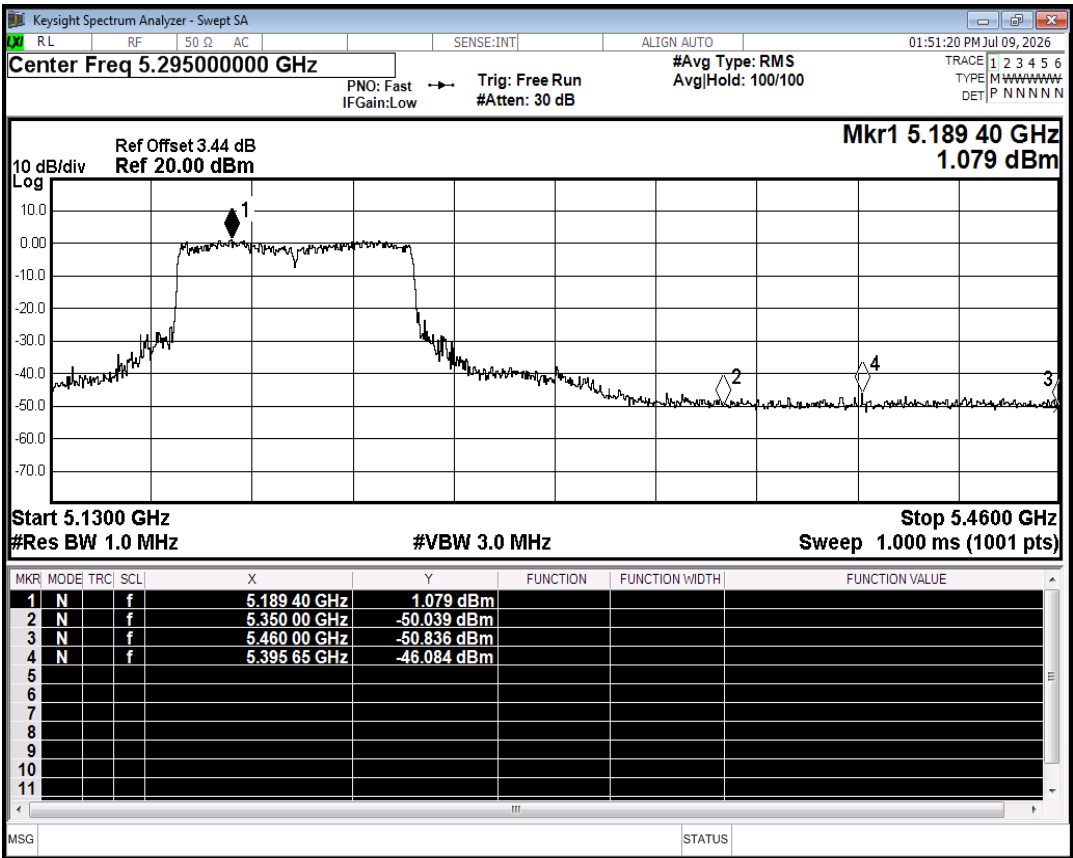
Restrict Band NVNT ac40 5190MHz Ant1 Average



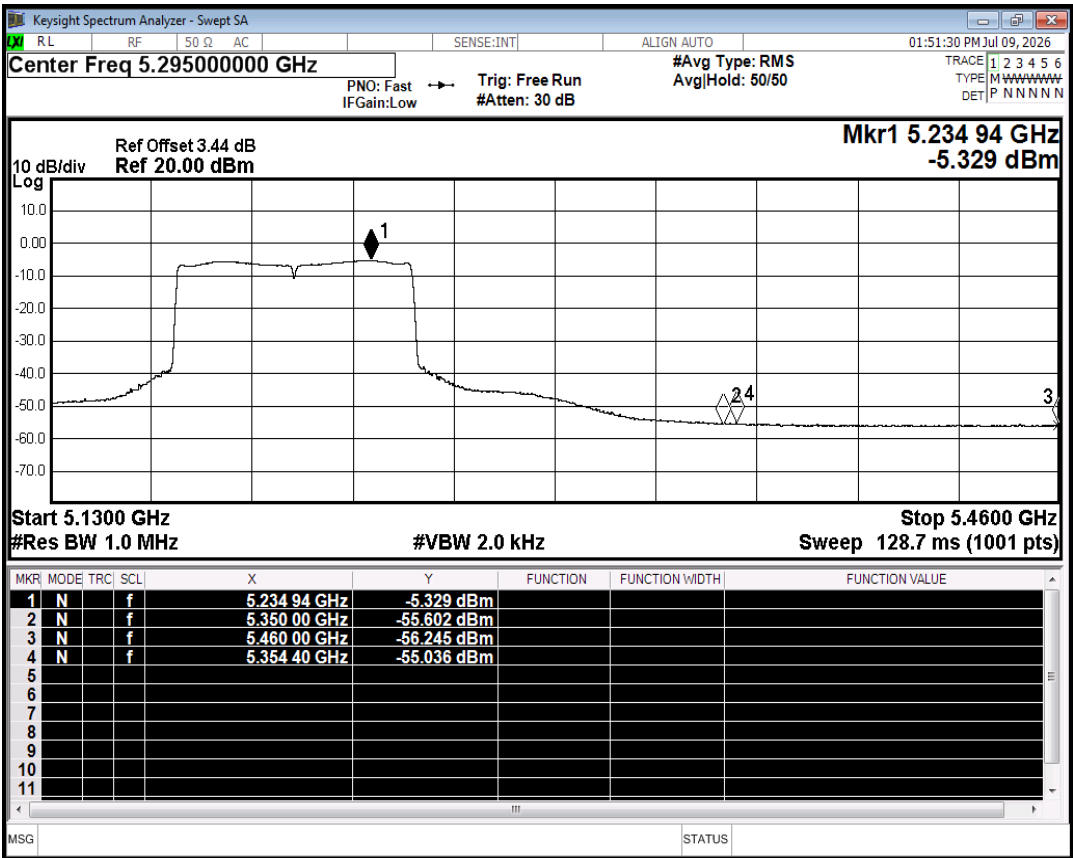
Restrict Band NVNT ac40 5230MHz Ant1 Peak



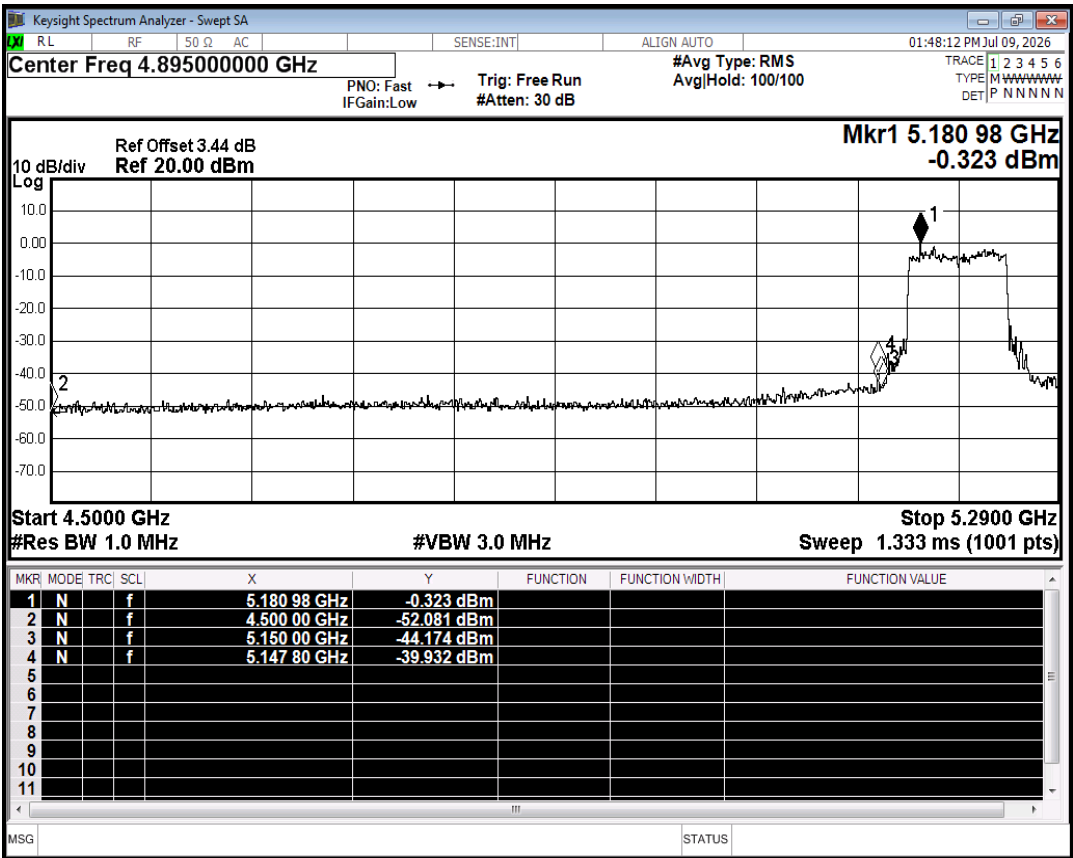
Restrict Band NVNT ac40 5230MHz Ant1 Average



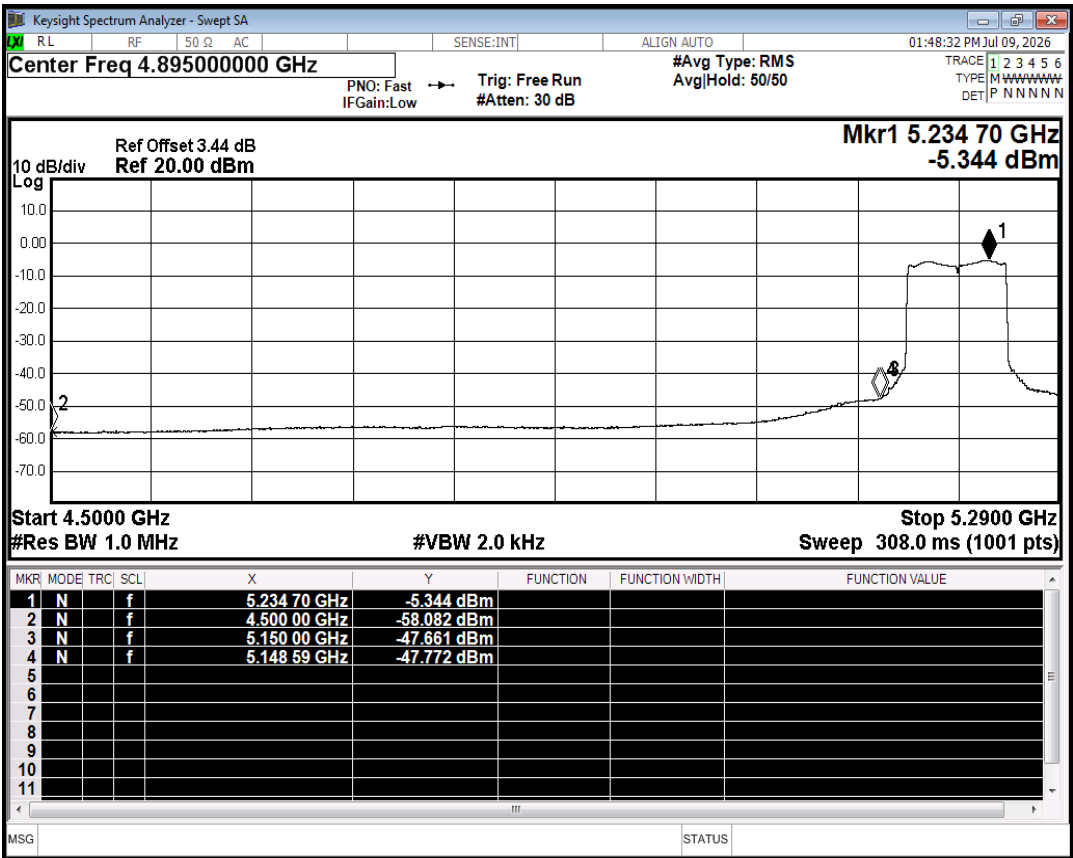
Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average

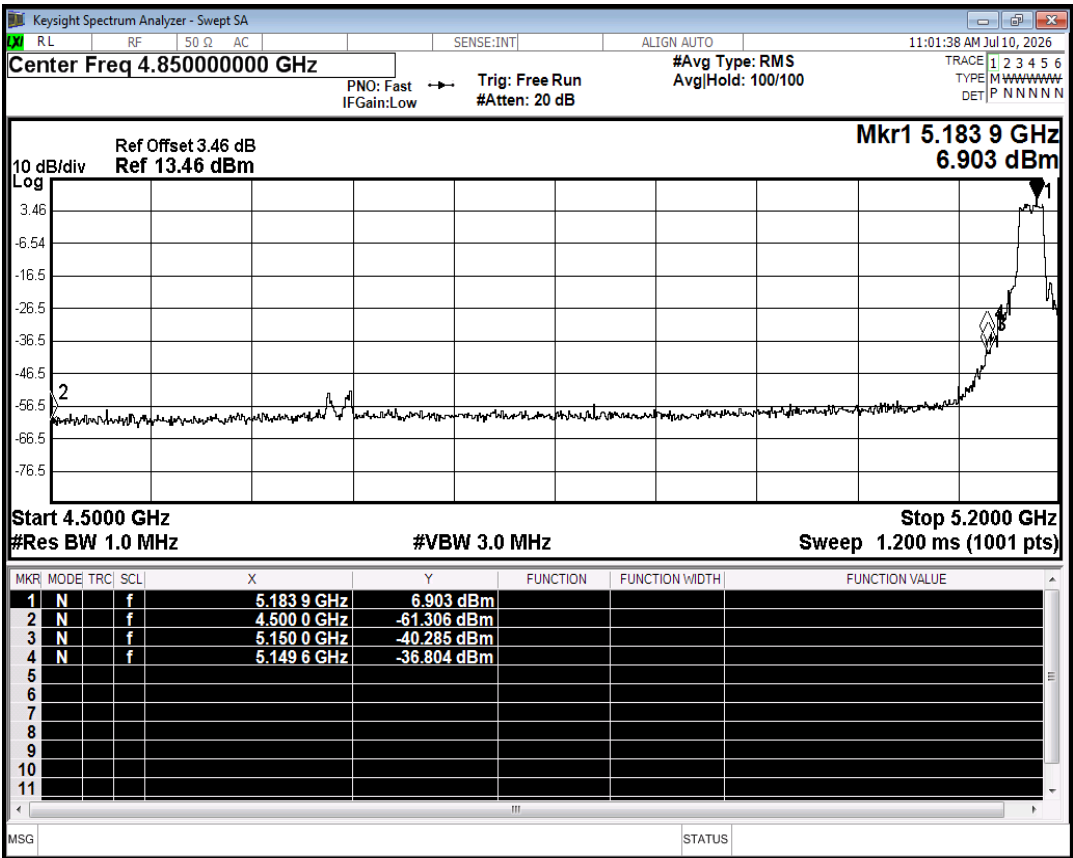
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant2	4500	-61.3	2.73	36.66	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-68.27	2.73	29.69	Average	54	Pass
NVNT	a	5180	Ant2	5149.6	-36.8	2.73	61.16	Peak	68.2	Pass
NVNT	a	5180	Ant2	5149.6	-47.84	2.73	50.12	Average	54	Pass
NVNT	a	5180	Ant2	5150	-40.28	2.73	57.68	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-47.23	2.73	50.73	Average	54	Pass
NVNT	a	5240	Ant2	5350	-50	2.73	47.96	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-57	2.73	40.96	Average	54	Pass
NVNT	a	5240	Ant2	5432.64	-46.83	2.73	51.13	Peak	68.2	Pass
NVNT	a	5240	Ant2	5442.72	-56.67	2.73	41.29	Average	54	Pass
NVNT	a	5240	Ant2	5460	-50.2	2.73	47.76	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-56.9	2.73	41.06	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-51.17	2.73	46.79	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-58.47	2.73	39.49	Average	54	Pass
NVNT	n20	5180	Ant2	5149.6	-39.41	2.73	58.55	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5149.6	-47.81	2.73	50.15	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-40.08	2.73	57.88	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-47.07	2.73	50.89	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-50.32	2.73	47.64	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-56.98	2.73	40.98	Average	54	Pass
NVNT	n20	5240	Ant2	5363.04	-47.14	2.73	50.82	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5434.8	-56.57	2.73	41.39	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-50.18	2.73	47.78	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-56.93	2.73	41.03	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-61.45	2.73	36.51	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-68.21	2.73	29.75	Average	54	Pass
NVNT	n40	5190	Ant2	5147.51	-42.16	2.73	55.80	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5149.7	-48.11	2.73	49.85	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-43.11	2.73	54.85	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-47.47	2.73	50.49	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-49.45	2.73	48.51	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-56.91	2.73	41.05	Average	54	Pass
NVNT	n40	5230	Ant2	5452.71	-47.16	2.73	50.80	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5448.93	-56.41	2.73	41.55	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-48.99	2.73	48.97	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-56.58	2.73	41.38	Average	54	Pass
NVNT	ac20	5180	Ant2	4500	-51.23	2.73	46.73	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-58.5	2.73	39.46	Average	54	Pass
NVNT	ac20	5180	Ant2	5148.9	-41.7	2.73	56.26	Peak	68.2	Pass

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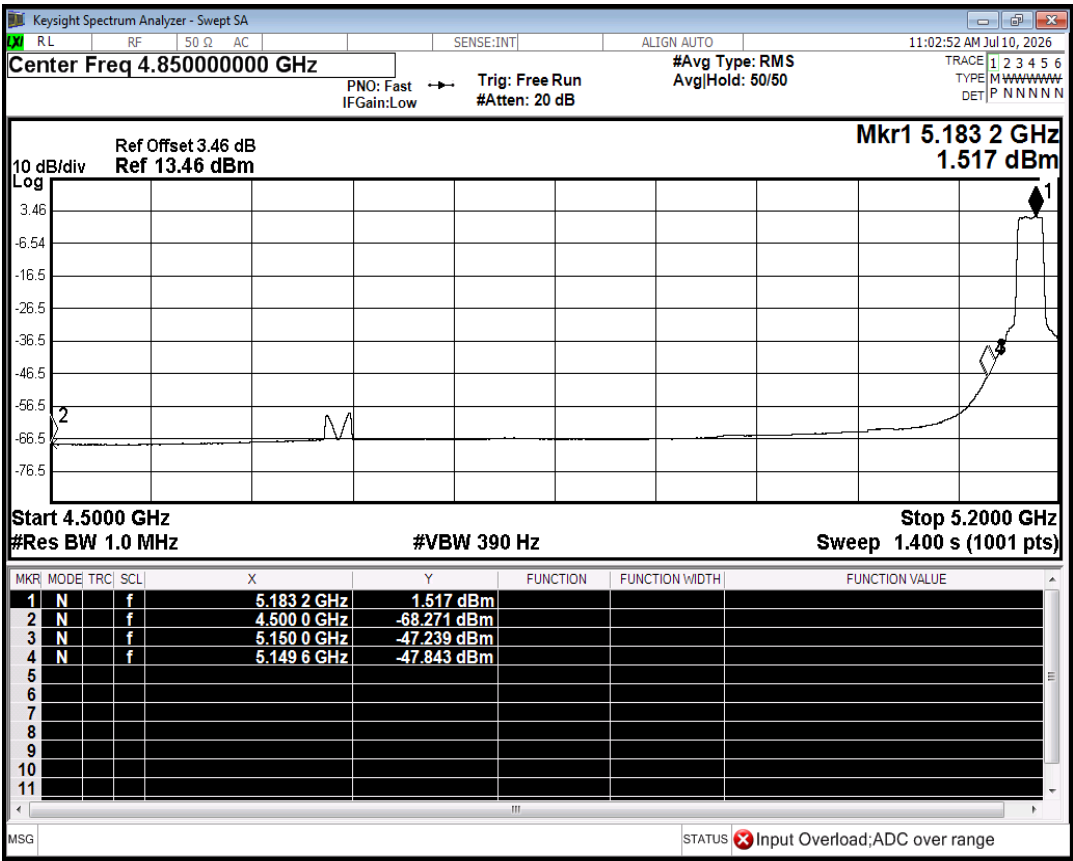
Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

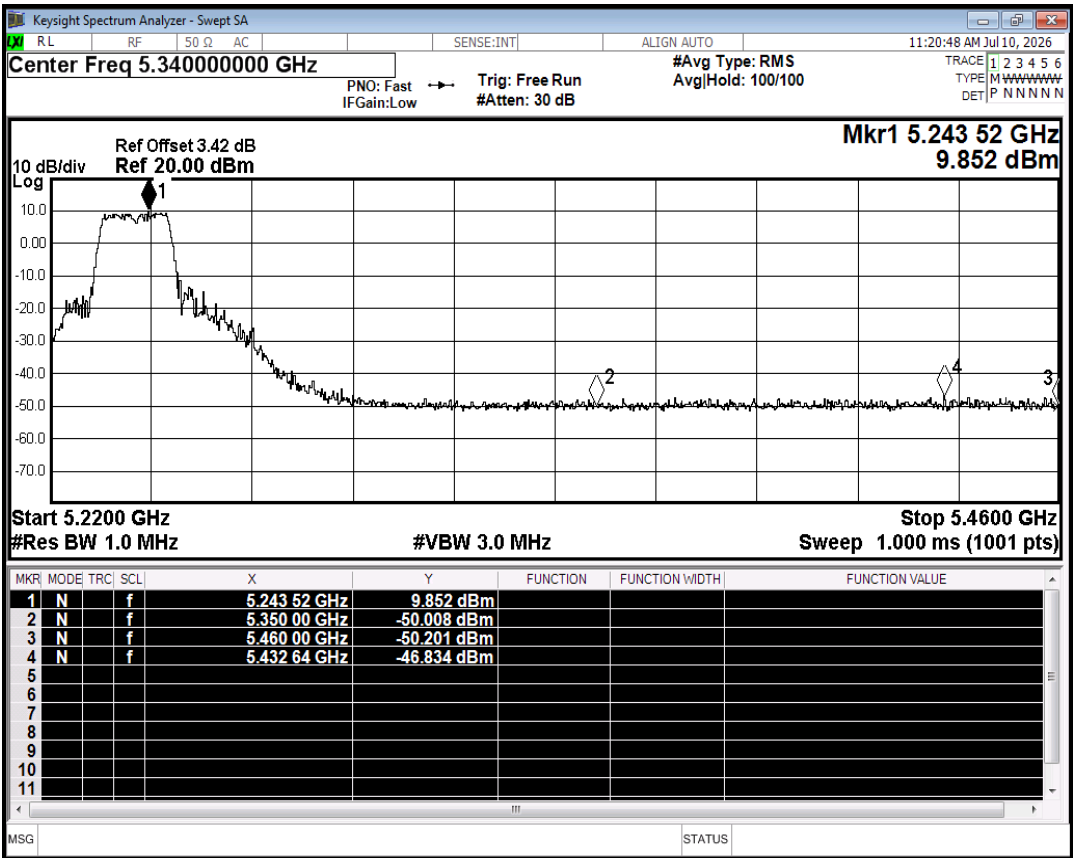
NVNT	ac20	5180	Ant2	5149.6	-47.12	2.73	50.84	Average	54	Pass
NVNT	ac20	5180	Ant2	5150	-42.94	2.73	55.02	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5150	-46.51	2.73	51.45	Average	54	Pass
NVNT	ac20	5240	Ant2	5350	-48.42	2.73	49.54	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350	-56.93	2.73	41.03	Average	54	Pass
NVNT	ac20	5240	Ant2	5404.56	-45.97	2.73	51.99	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5451.6	-56.63	2.73	41.33	Average	54	Pass
NVNT	ac20	5240	Ant2	5460	-50.54	2.73	47.42	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5460	-56.81	2.73	41.15	Average	54	Pass
NVNT	ac40	5190	Ant2	4500	-51.22	2.73	46.74	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	4500	-58.14	2.73	39.82	Average	54	Pass
NVNT	ac40	5190	Ant2	5148.97	-41.71	2.73	56.25	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5149.7	-47.87	2.73	50.09	Average	54	Pass
NVNT	ac40	5190	Ant2	5150	-43.74	2.73	54.22	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5150	-47.05	2.73	50.91	Average	54	Pass
NVNT	ac40	5230	Ant2	5350	-49.73	2.73	48.23	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5350	-57.09	2.73	40.87	Average	54	Pass
NVNT	ac40	5230	Ant2	5416.8	-47.21	2.73	50.75	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5420.85	-56.39	2.73	41.57	Average	54	Pass
NVNT	ac40	5230	Ant2	5460	-49.56	2.73	48.40	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5460	-56.76	2.73	41.20	Average	54	Pass
NVNT	ac80	5210	Ant2	5350	-50.09	2.73	47.87	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5350	-55.92	2.73	42.04	Average	54	Pass
NVNT	ac80	5210	Ant2	5445.81	-46.27	2.73	51.69	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5414.13	-55.69	2.73	42.27	Average	54	Pass
NVNT	ac80	5210	Ant2	5460	-48.53	2.73	49.43	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5460	-56.4	2.73	41.56	Average	54	Pass
NVNT	ac80	5210	Ant2	4500	-51.35	2.73	46.61	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	4500	-58.11	2.73	39.85	Average	54	Pass
NVNT	ac80	5210	Ant2	5143.85	-41.42	2.73	56.54	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5149.38	-47.29	2.73	50.67	Average	54	Pass
NVNT	ac80	5210	Ant2	5150	-43.92	2.73	54.04	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5150	-47.12	2.73	50.84	Average	54	Pass



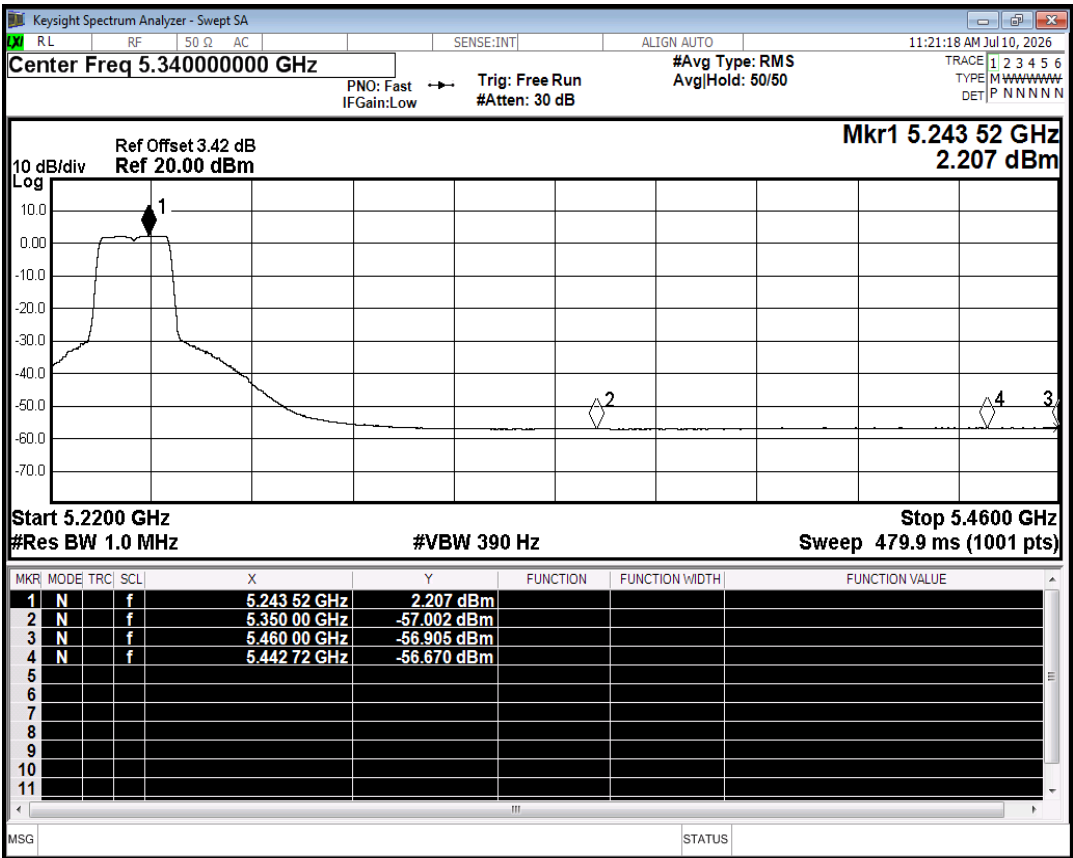
Restrict Band NVNT a 5180MHz Ant2 Peak



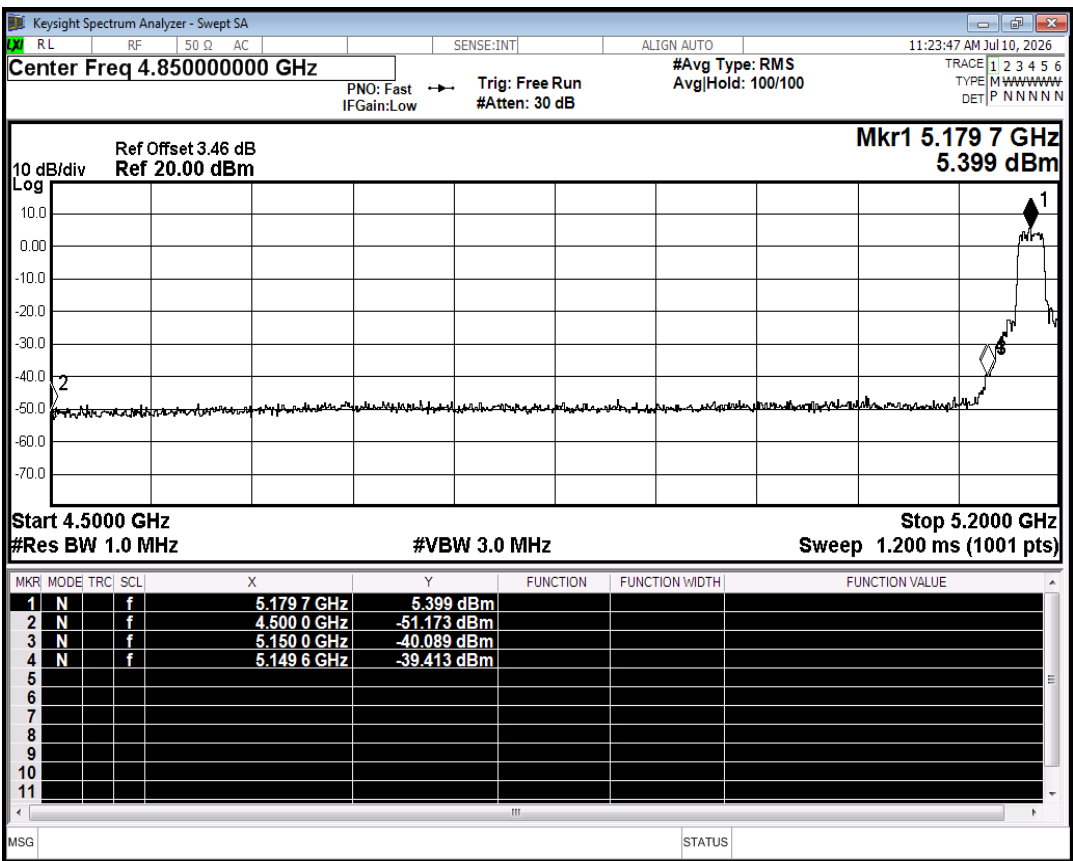
Restrict Band NVNT a 5180MHz Ant2 Average



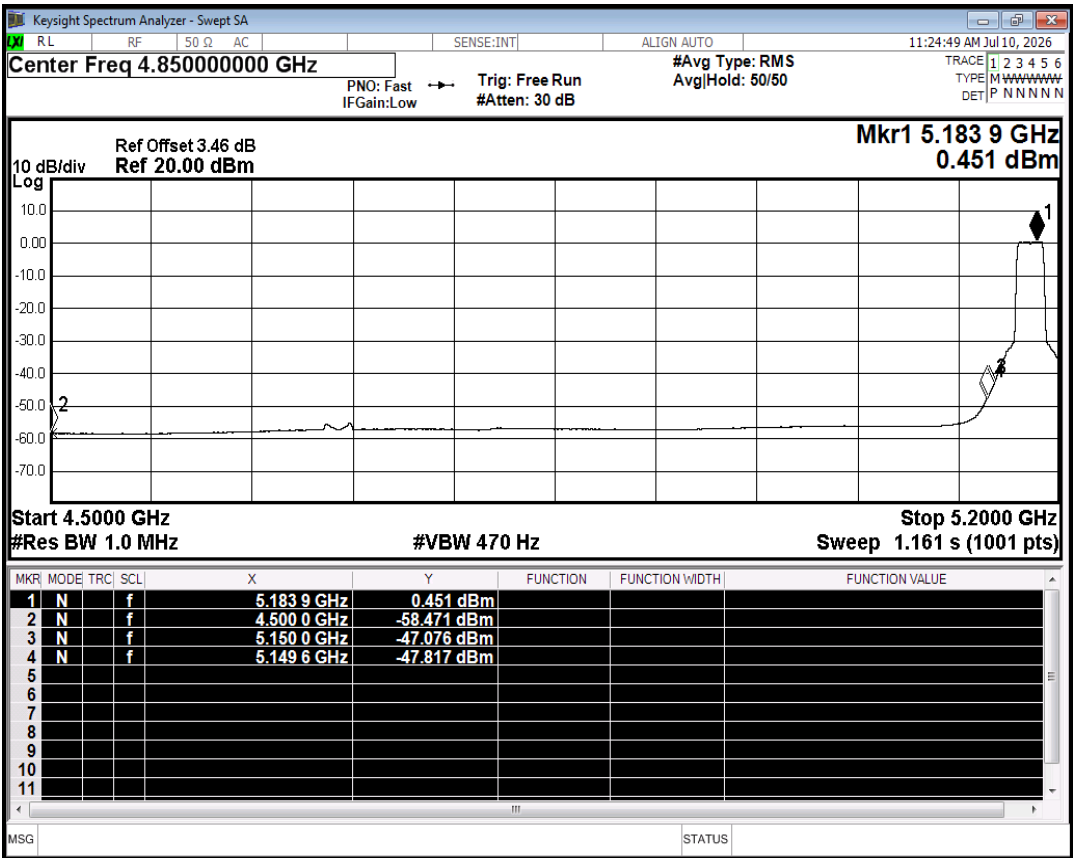
Restrict Band NVNT a 5240MHz Ant2 Peak



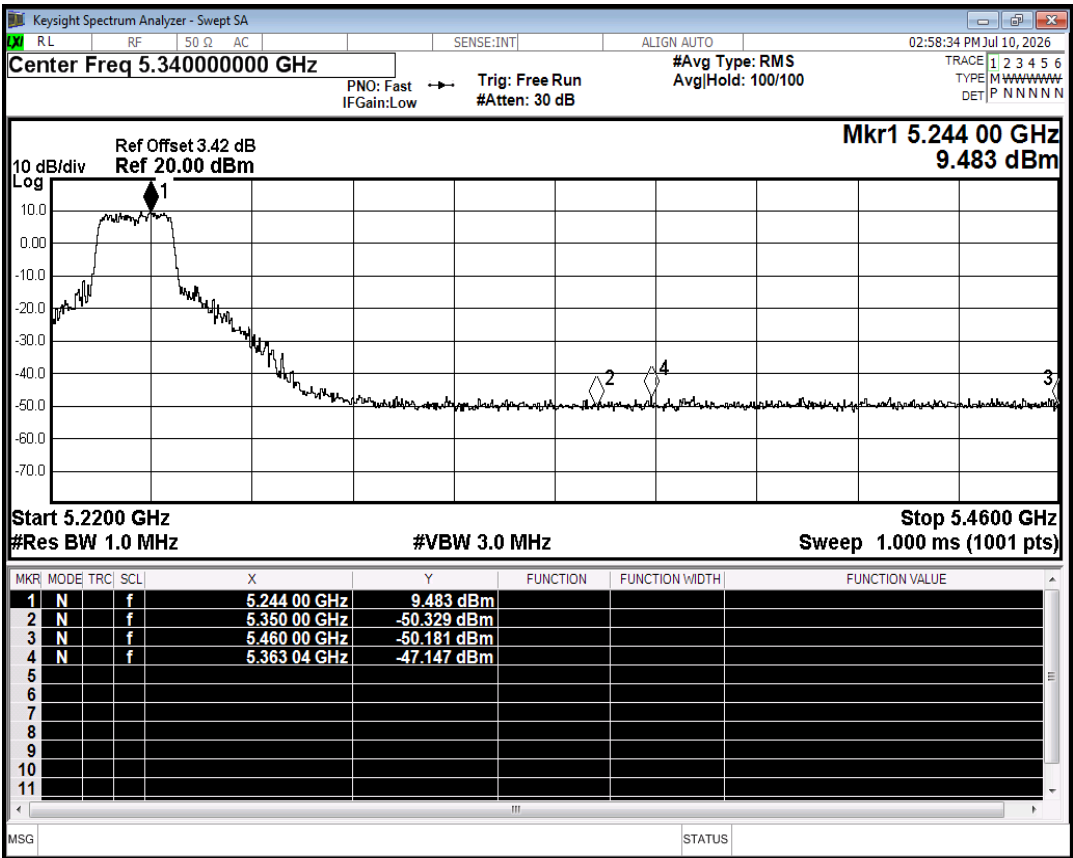
Restrict Band NVNT a 5240MHz Ant2 Average



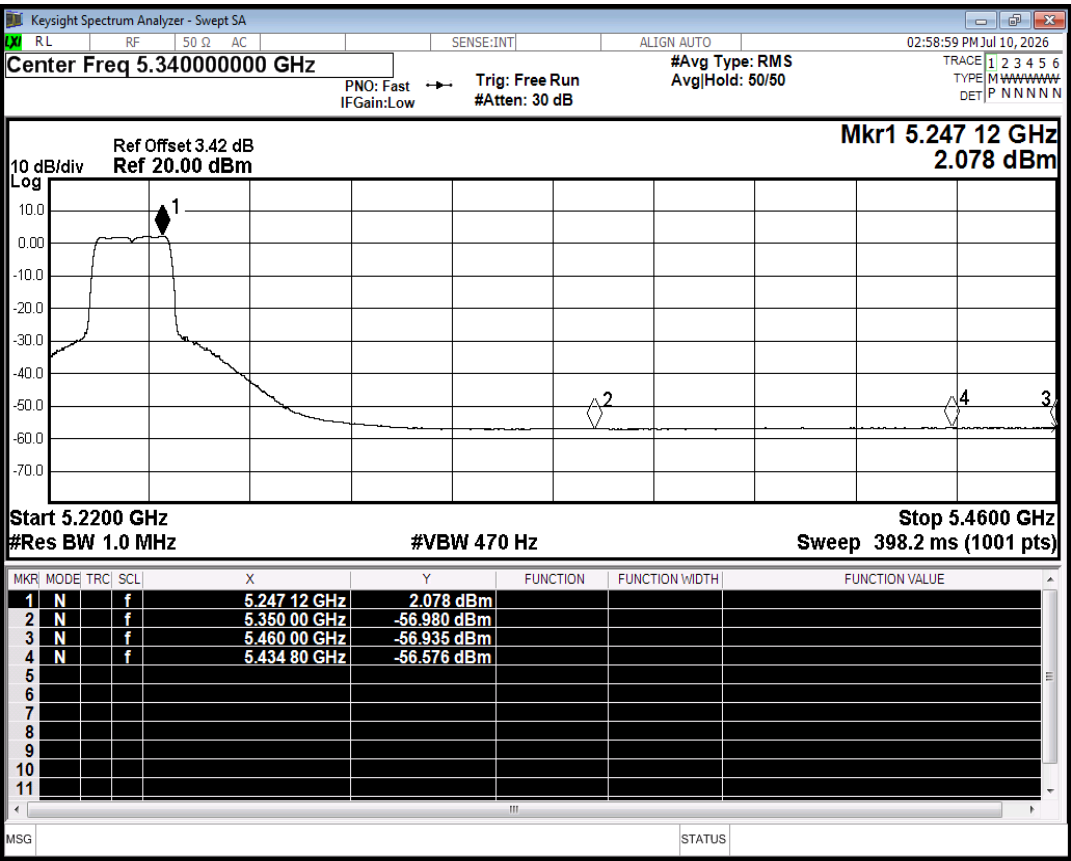
Restrict Band NVNT n20 5180MHz Ant2 Peak



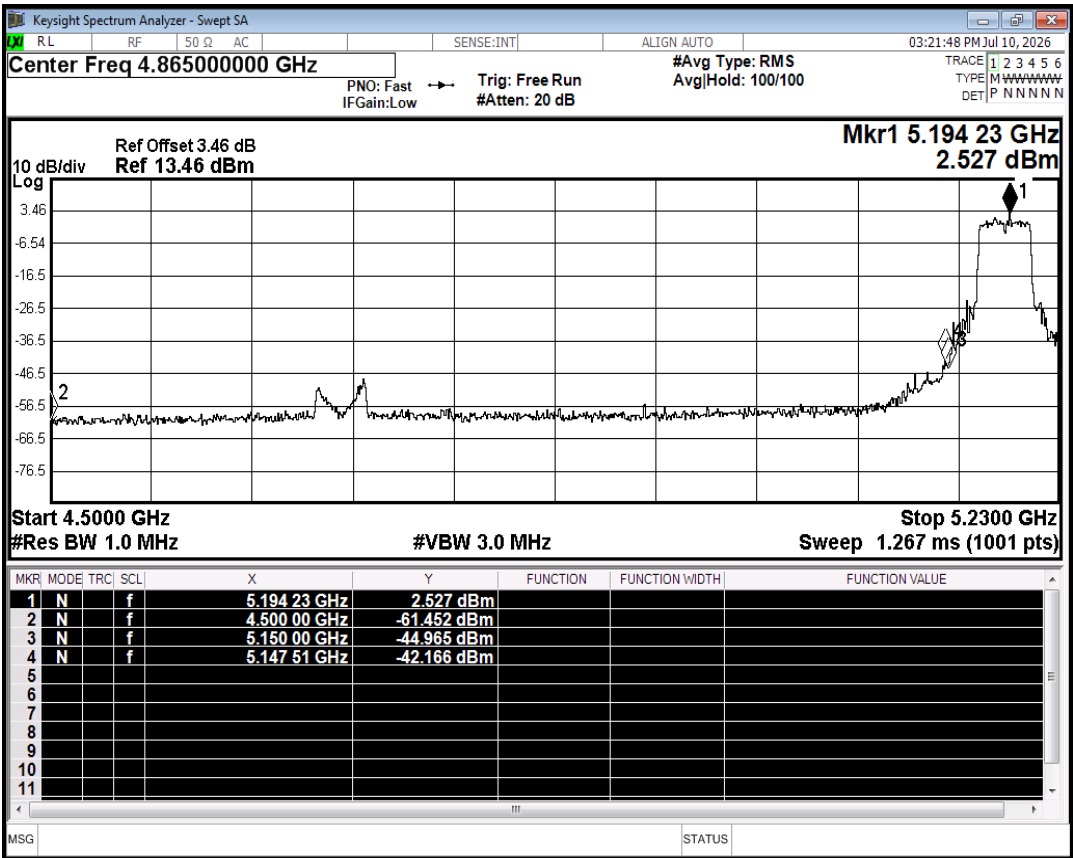
Restrict Band NVNT n20 5180MHz Ant2 Average



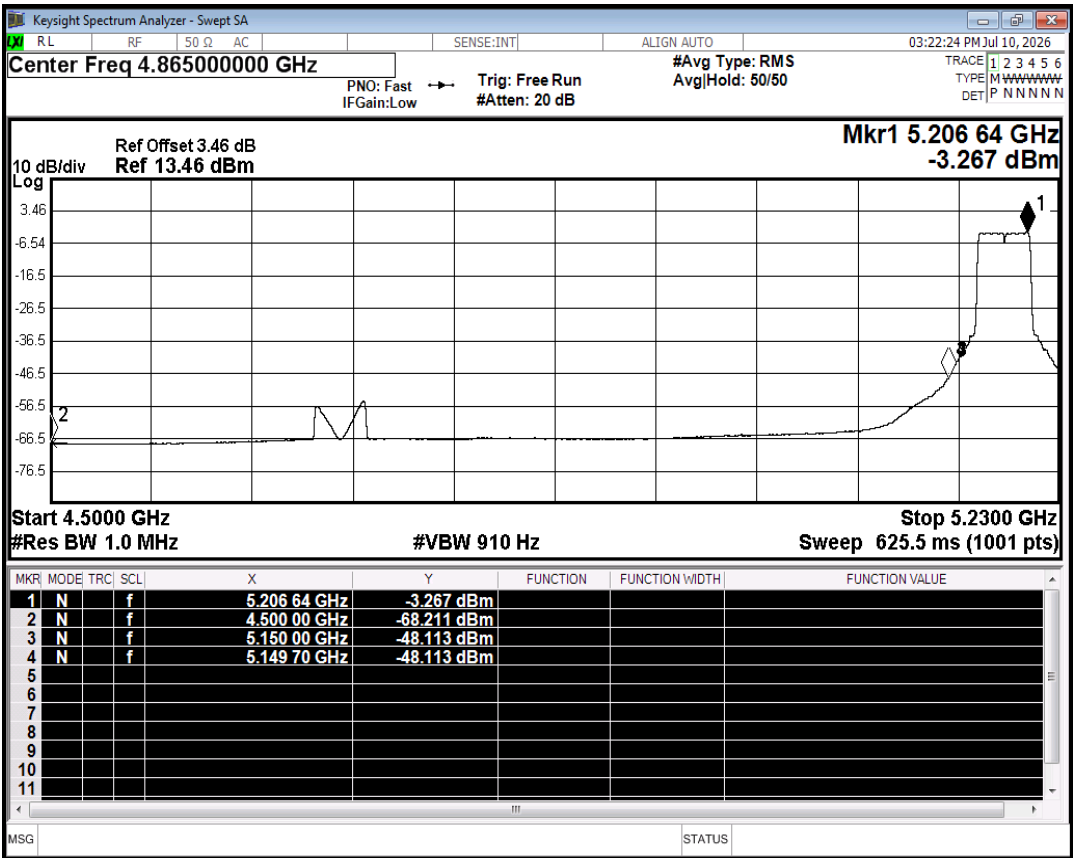
Restrict Band NVNT n20 5240MHz Ant2 Peak



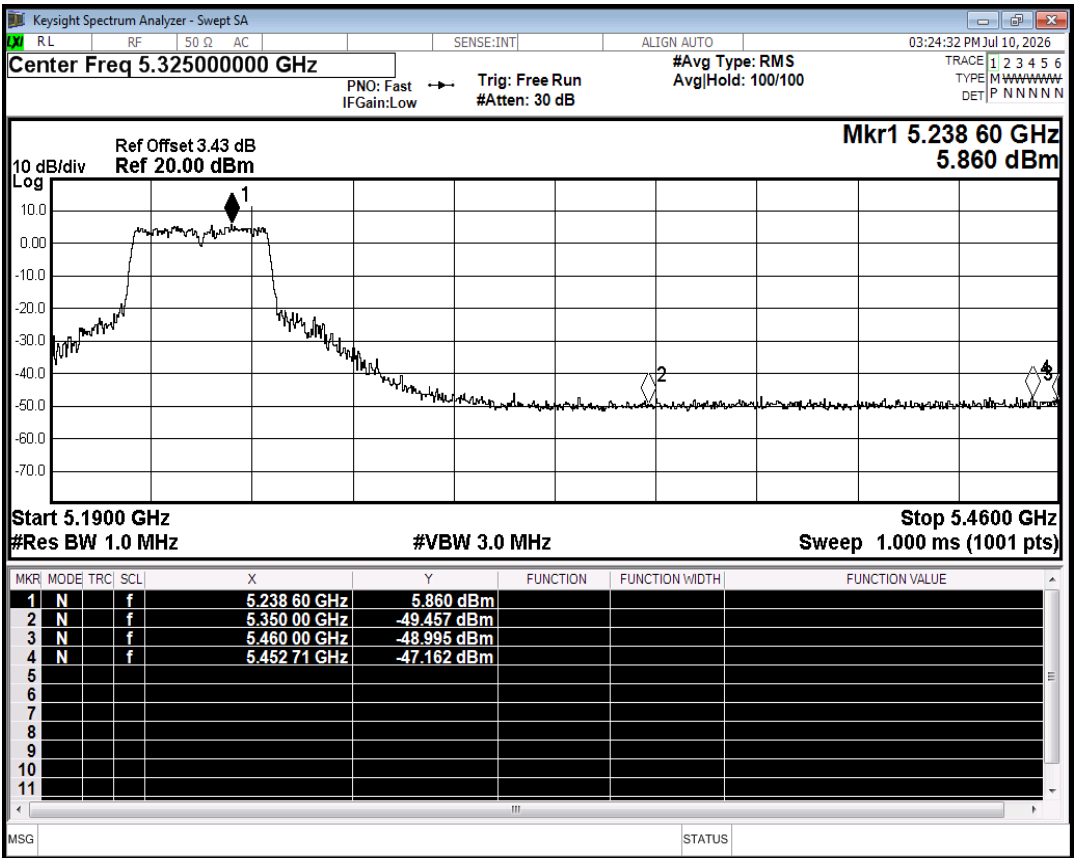
Restrict Band NVNT n20 5240MHz Ant2 Average



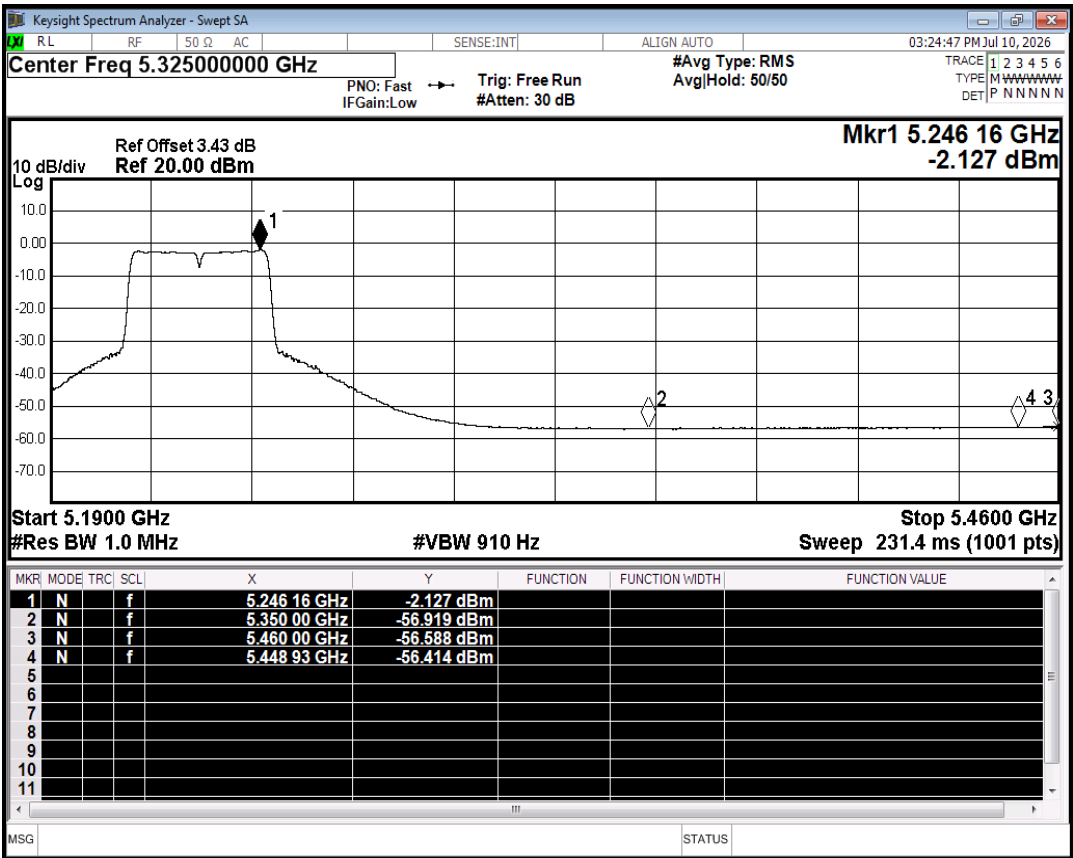
Restrict Band NVNT n40 5190MHz Ant2 Peak



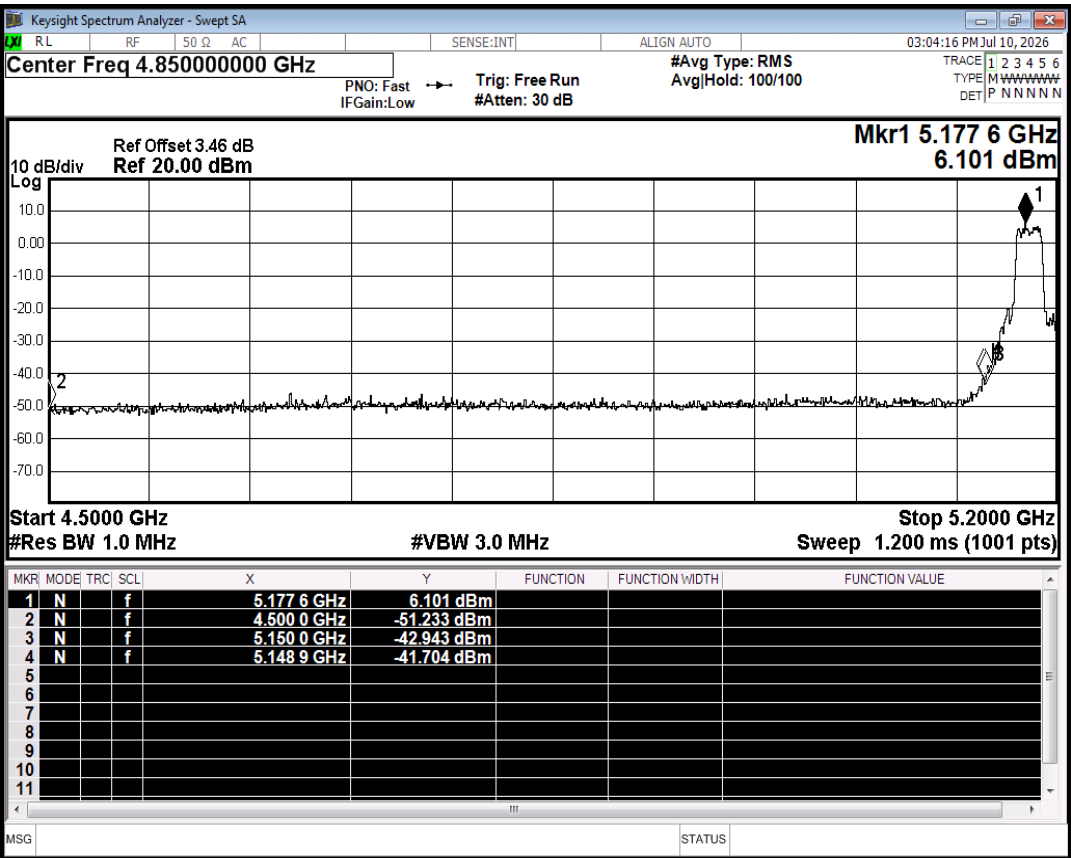
Restrict Band NVNT n40 5190MHz Ant2 Average



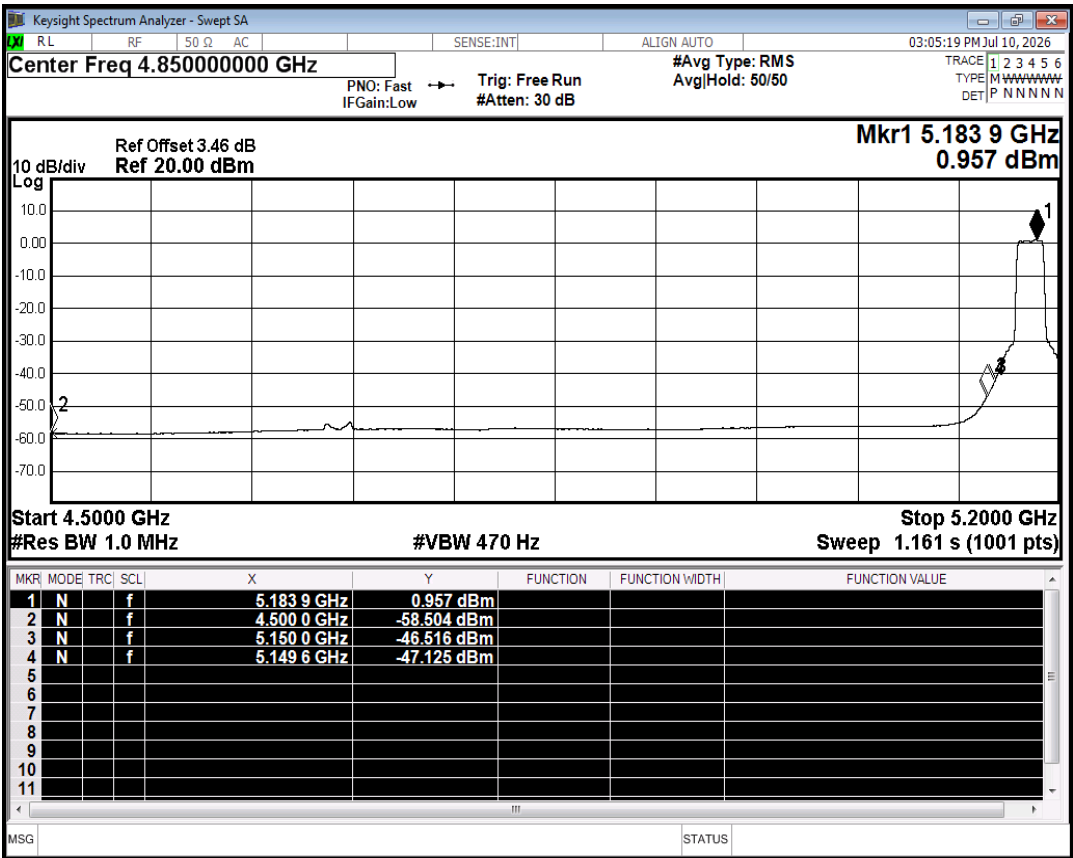
Restrict Band NVNT n40 5230MHz Ant2 Peak



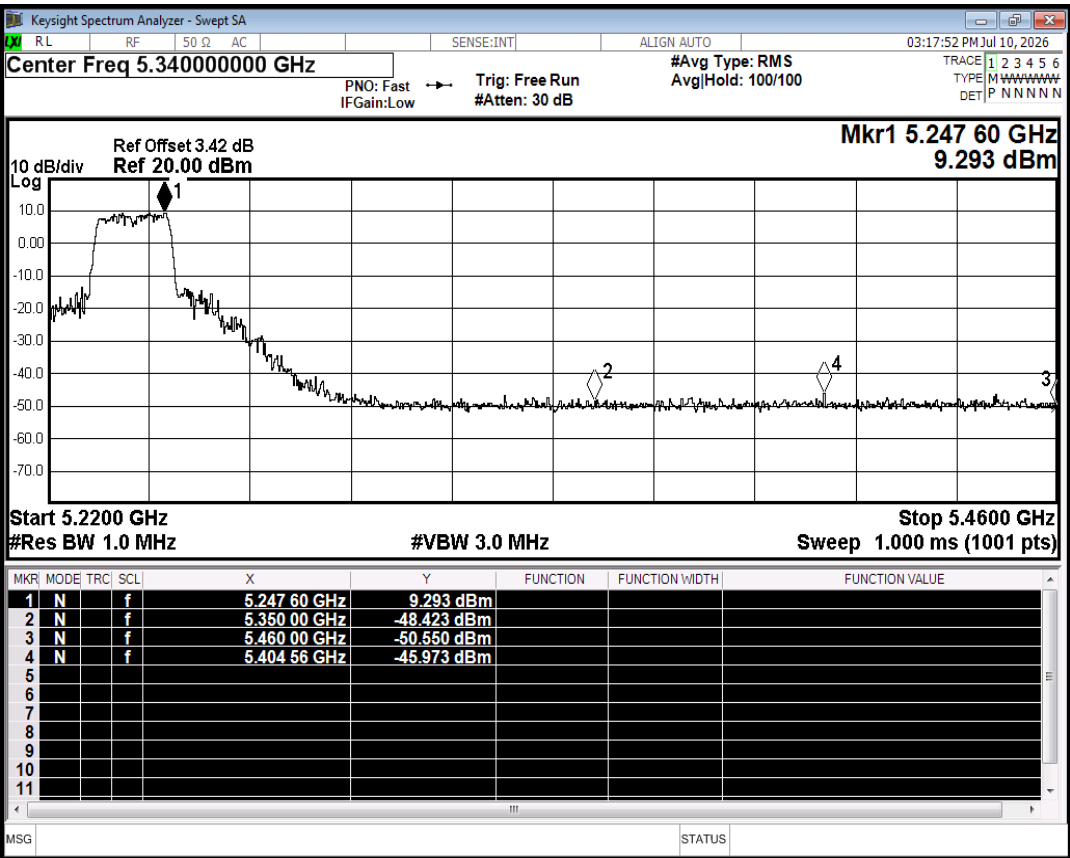
Restrict Band NVNT n40 5230MHz Ant2 Average



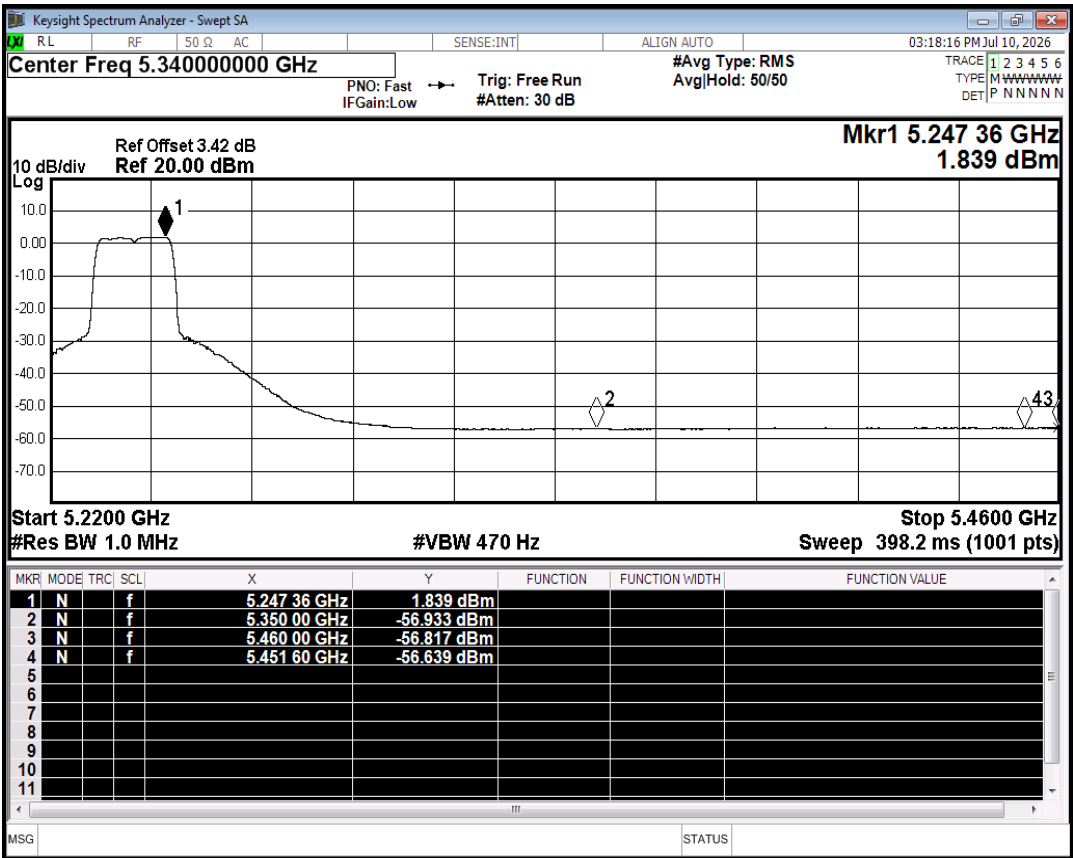
Restrict Band NVNT ac20 5180MHz Ant2 Peak



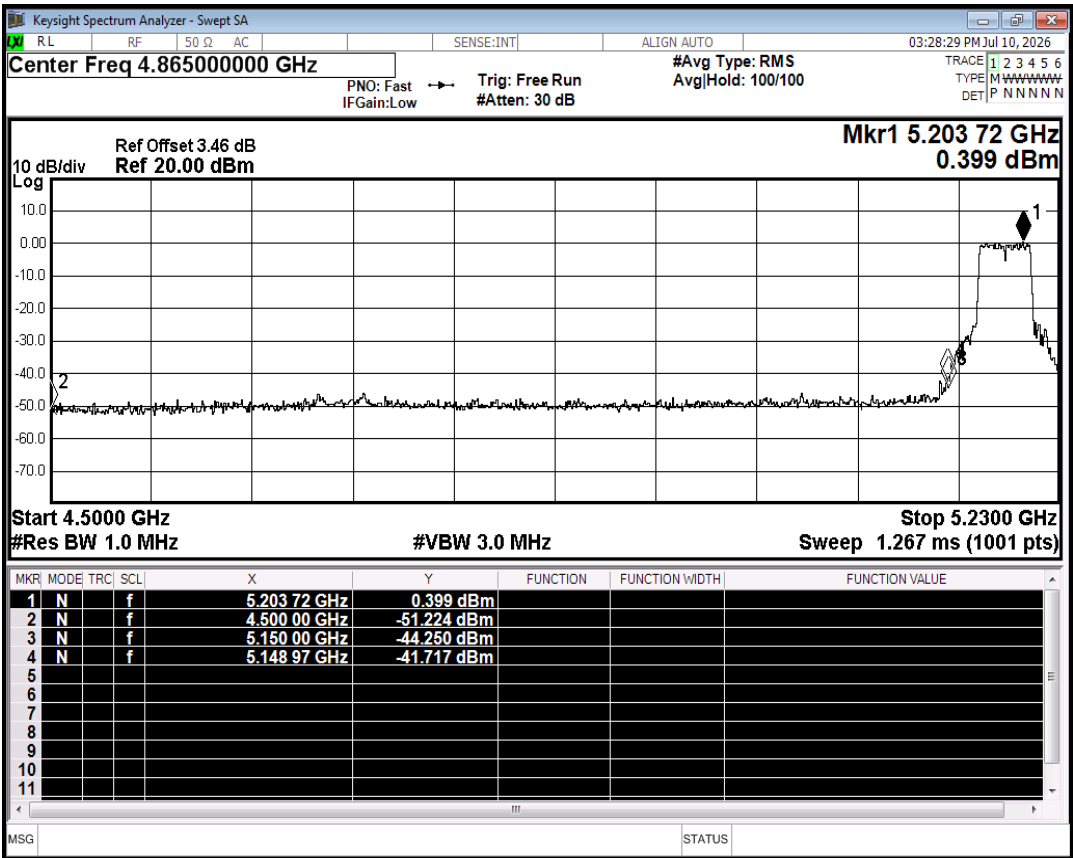
Restrict Band NVNT ac20 5180MHz Ant2 Average



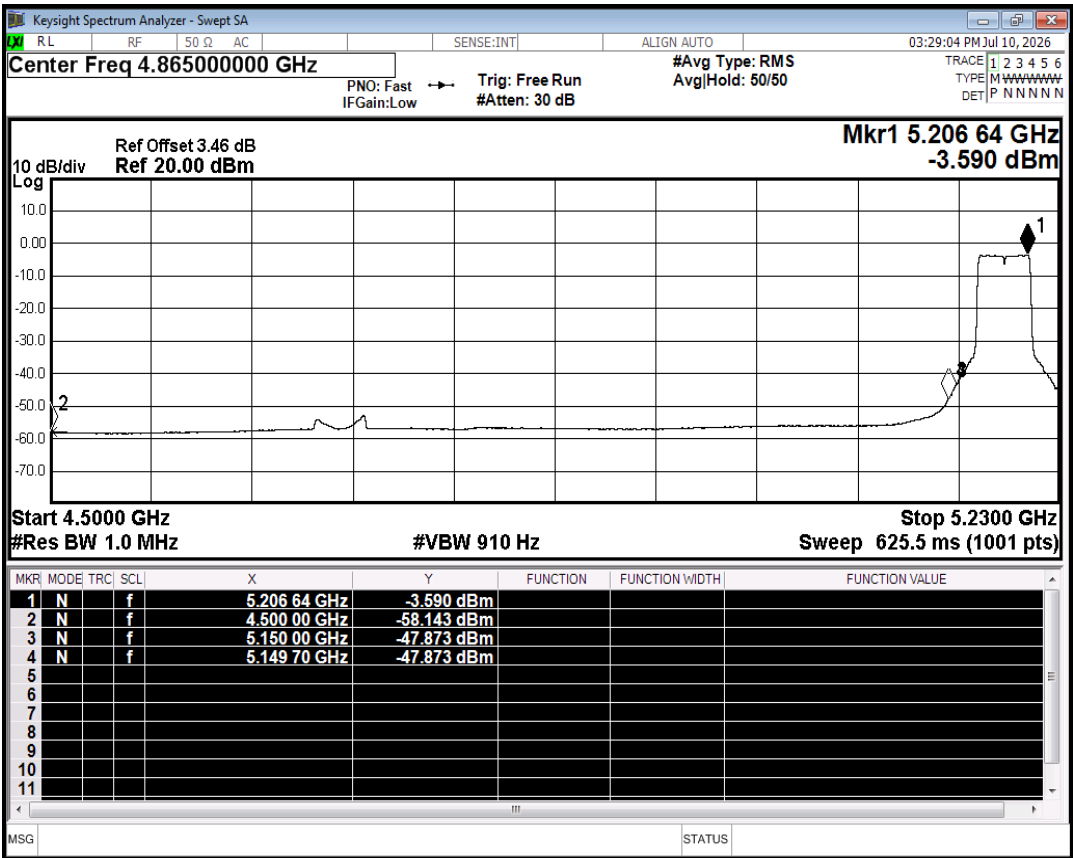
Restrict Band NVNT ac20 5240MHz Ant2 Peak



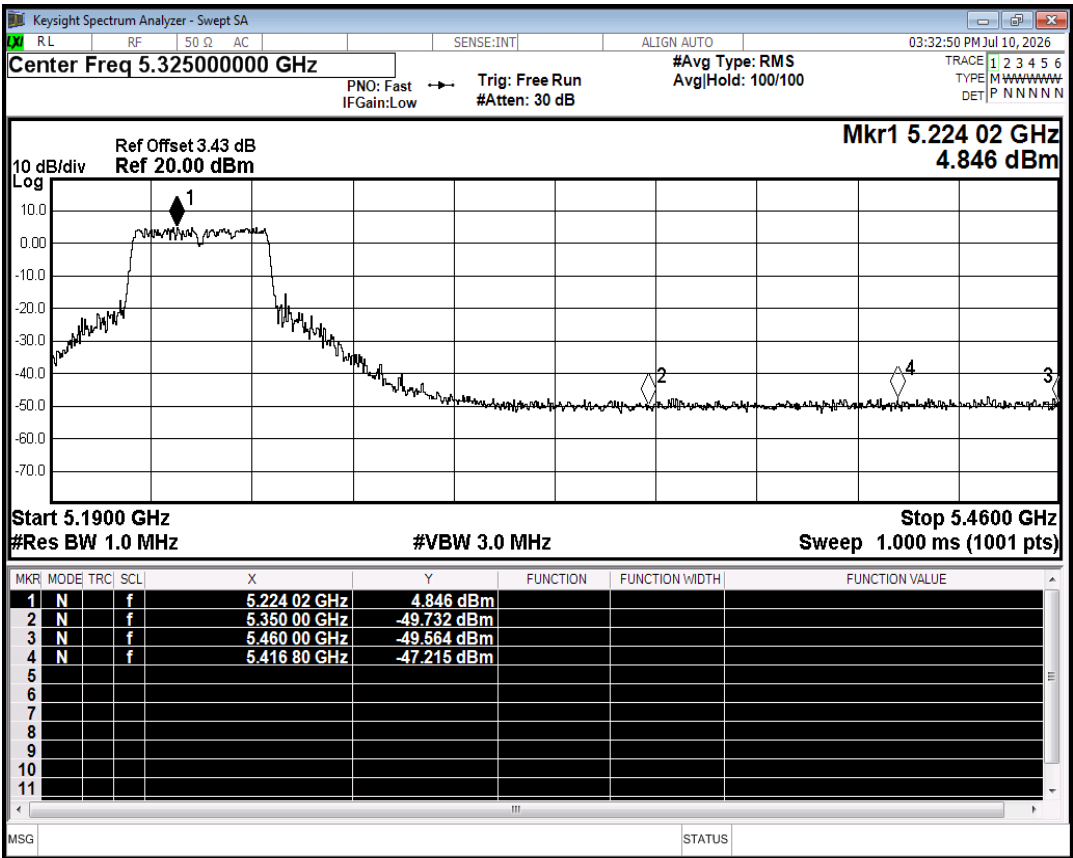
Restrict Band NVNT ac20 5240MHz Ant2 Average



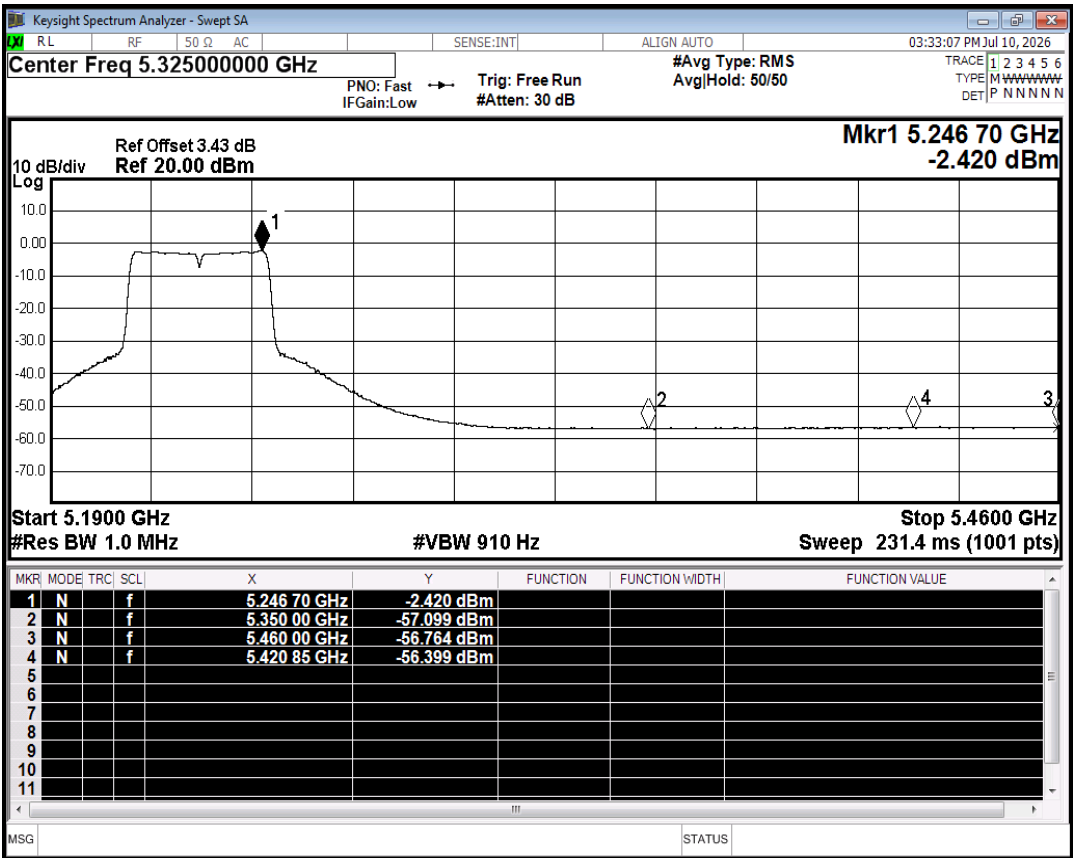
Restrict Band NVNT ac40 5190MHz Ant2 Peak



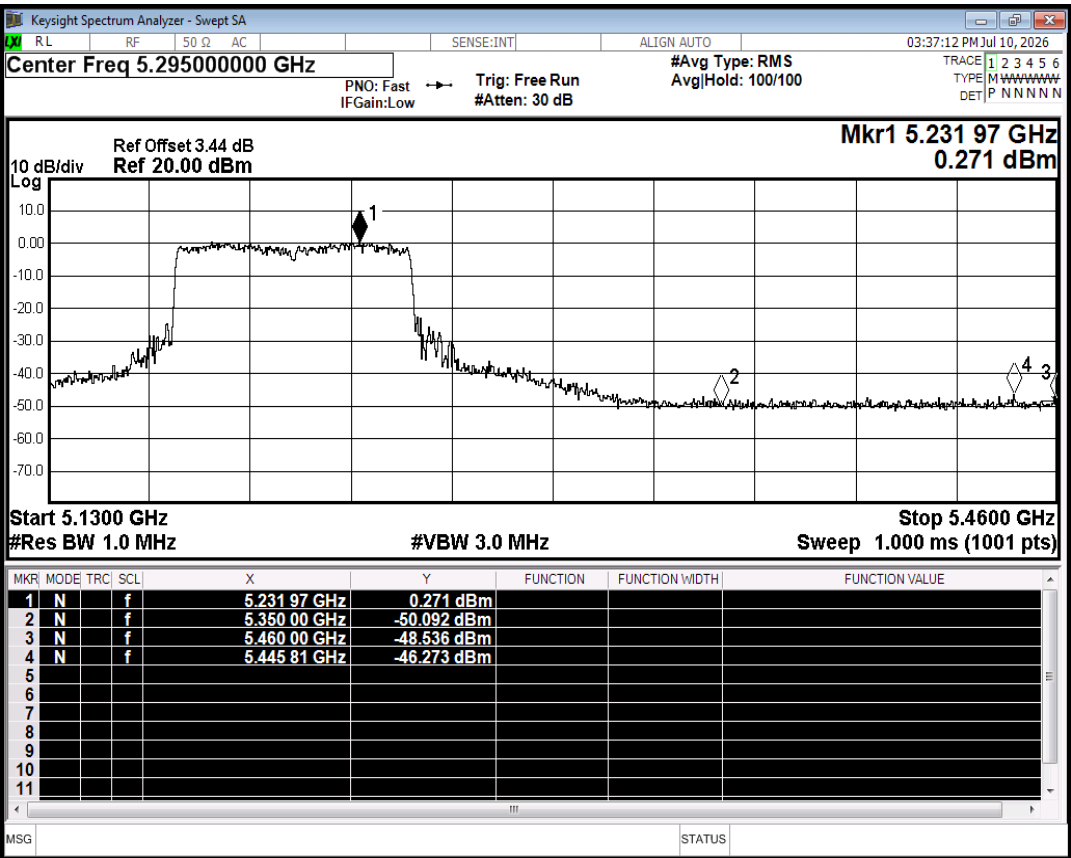
Restrict Band NVNT ac40 5190MHz Ant2 Average



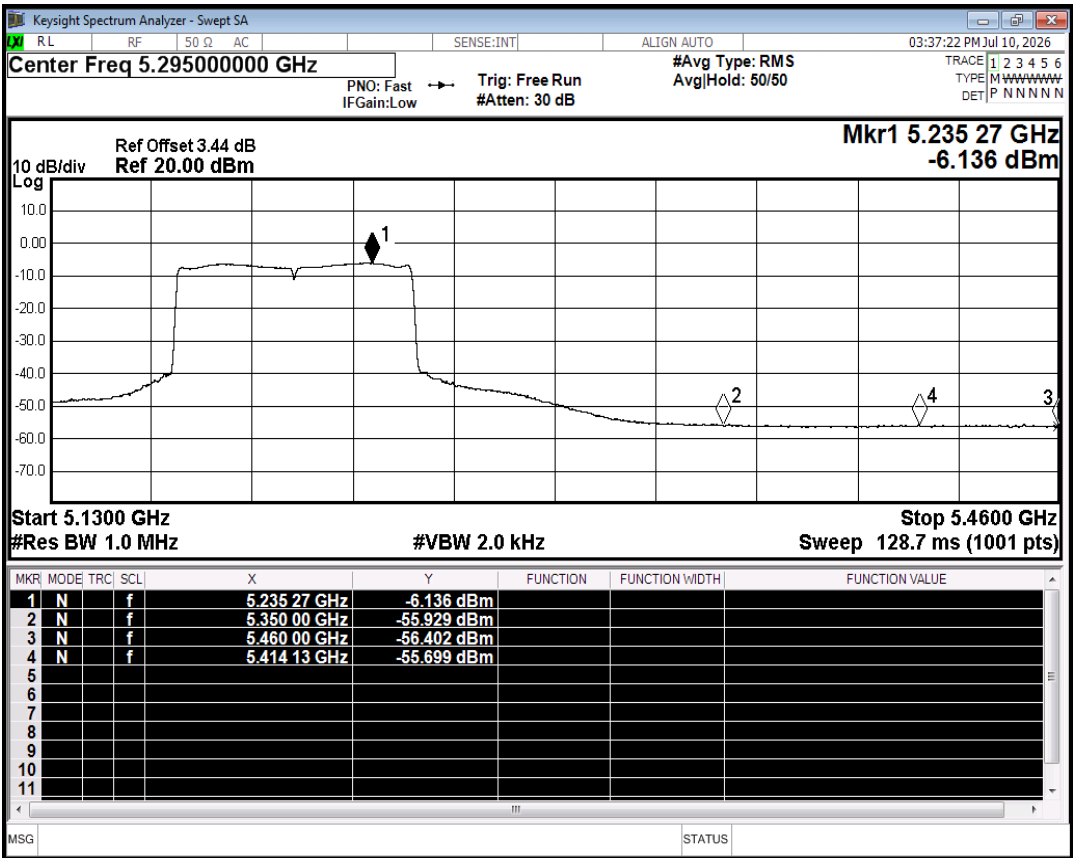
Restrict Band NVNT ac40 5230MHz Ant2 Peak



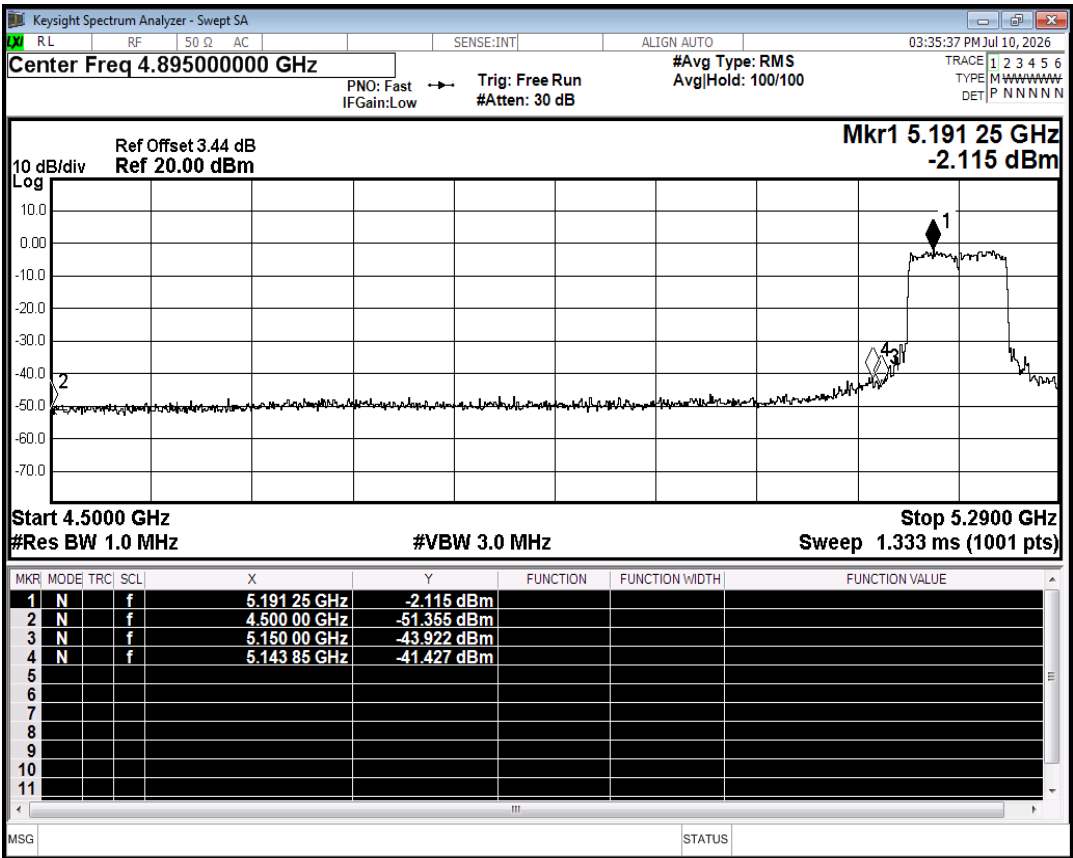
Restrict Band NVNT ac40 5230MHz Ant2 Average



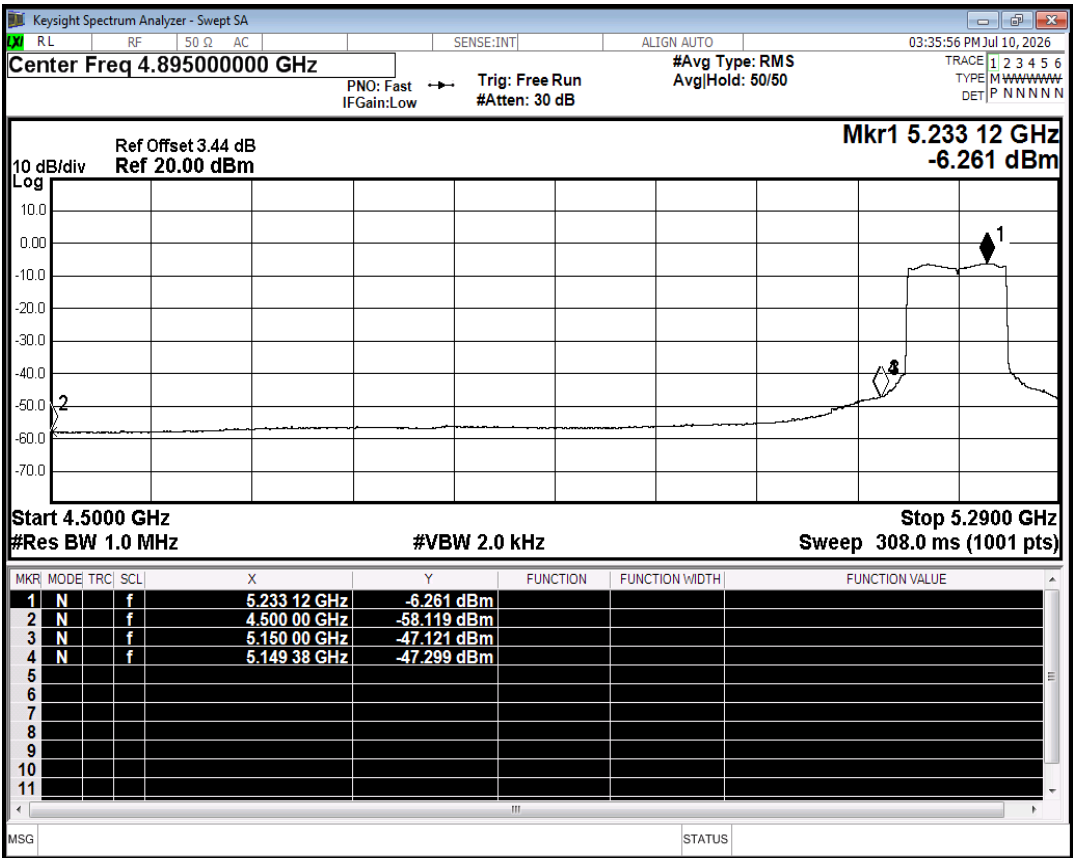
Restrict Band NVNT ac80 5210MHz Ant2 Peak



Restrict Band NVNT ac80 5210MHz Ant2 Average



Restrict Band NVNT ac80 5210MHz Ant2 Peak



Restrict Band NVNT ac80 5210MHz Ant2 Average

MIMO

Condition	Mode	Frequency (MHz)	Ant1 Power (dBm)	Ant2 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-51.52	-51.17	5.89	52.79	Peak	68.2	Pass
NVNT	n20	5180	-58.5	-58.47	5.89	45.64	Average	54	Pass
NVNT	n20	5180	-40.23	-39.41	5.89	64.33	Peak	68.2	Pass
NVNT	n20	5180	-50.93	-49.99	5.89	53.69	Average	54	Pass
NVNT	n20	5180	-41.51	-40.08	5.89	63.39	Peak	68.2	Pass
NVNT	n20	5180	-50.72	-49.89	5.89	53.84	Average	54	Pass
NVNT	n20	5240	-50.07	-50.32	5.89	53.93	Peak	68.2	Pass
NVNT	n20	5240	-57.07	-56.98	5.89	47.10	Average	54	Pass
NVNT	n20	5240	-46.41	-47.14	5.89	57.37	Peak	68.2	Pass
NVNT	n20	5240	-56.58	-56.57	5.89	47.55	Average	54	Pass
NVNT	n20	5240	-49.14	-50.18	5.89	54.50	Peak	68.2	Pass
NVNT	n20	5240	-56.78	-56.93	5.89	47.27	Average	54	Pass
NVNT	n40	5190	-60	-61.45	5.89	43.46	Peak	68.2	Pass
NVNT	n40	5190	-68.16	-68.21	5.89	35.94	Average	54	Pass
NVNT	n40	5190	-41.21	-42.16	5.89	62.47	Peak	68.2	Pass
NVNT	n40	5190	-50.58	-50.11	5.89	53.79	Average	54	Pass
NVNT	n40	5190	-44.2	-43.11	5.89	60.51	Peak	68.2	Pass
NVNT	n40	5190	-50.68	-49.69	5.89	53.97	Average	54	Pass
NVNT	n40	5230	-48.45	-49.45	5.89	55.21	Peak	68.2	Pass
NVNT	n40	5230	-57.08	-56.91	5.89	47.13	Average	54	Pass
NVNT	n40	5230	-47.48	-47.16	5.89	56.81	Peak	68.2	Pass
NVNT	n40	5230	-56.36	-56.41	5.89	47.74	Average	54	Pass
NVNT	n40	5230	-50.65	-48.99	5.89	54.39	Peak	68.2	Pass
NVNT	n40	5230	-56.63	-56.58	5.89	47.52	Average	54	Pass
NVNT	ac20	5180	-52.33	-51.23	5.89	52.38	Peak	68.2	Pass
NVNT	ac20	5180	-58.42	-58.5	5.89	45.67	Average	54	Pass
NVNT	ac20	5180	-40.92	-41.7	5.89	62.84	Peak	68.2	Pass
NVNT	ac20	5180	-50.33	-50.12	5.89	53.90	Average	54	Pass
NVNT	ac20	5180	-41.52	-42.94	5.89	61.96	Peak	68.2	Pass
NVNT	ac20	5180	-50.57	-49.96	5.89	53.87	Average	54	Pass
NVNT	ac20	5240	-50.58	-48.42	5.89	54.76	Peak	68.2	Pass
NVNT	ac20	5240	-57.12	-56.93	5.89	47.10	Average	54	Pass
NVNT	ac20	5240	-47.36	-45.97	5.89	57.52	Peak	68.2	Pass
NVNT	ac20	5240	-56.6	-56.63	5.89	47.51	Average	54	Pass
NVNT	ac20	5240	-50.65	-50.54	5.89	53.53	Peak	68.2	Pass
NVNT	ac20	5240	-56.81	-56.81	5.89	47.32	Average	54	Pass
NVNT	ac40	5190	-51.03	-51.22	5.89	53.00	Peak	68.2	Pass

Guangzhou LCS Compliance Testing Laboratory Ltd.

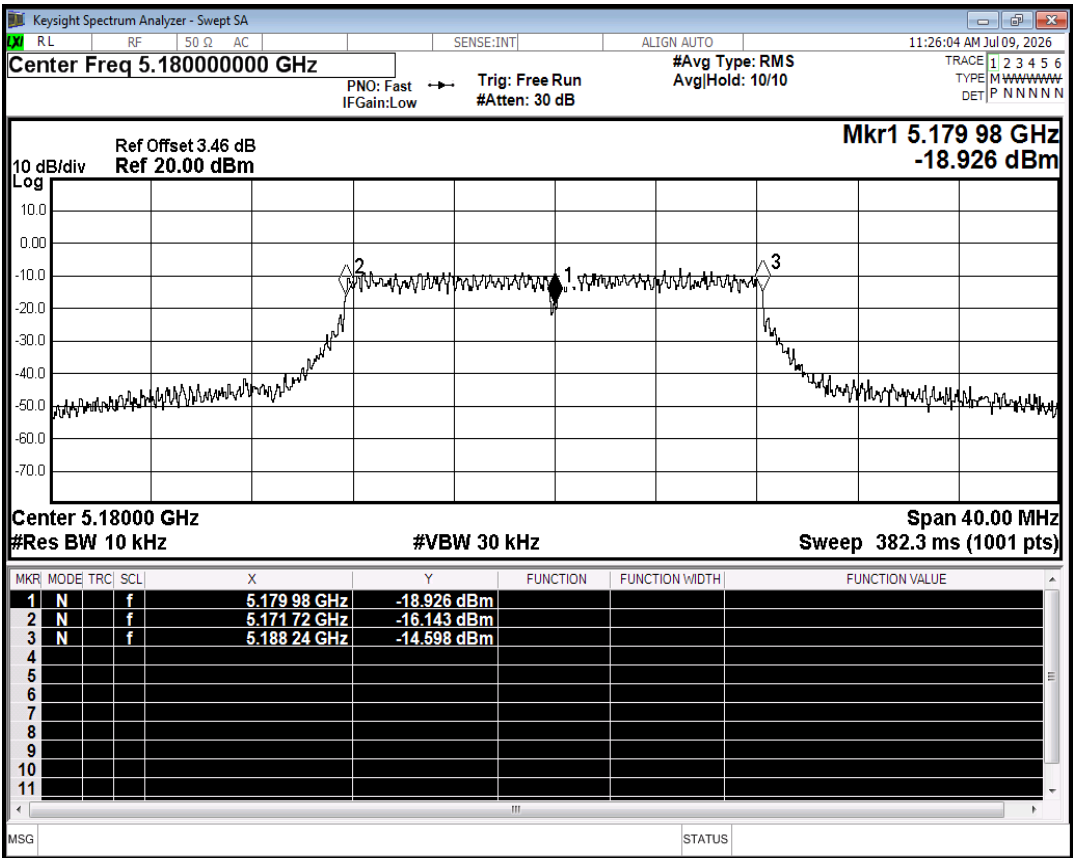
Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

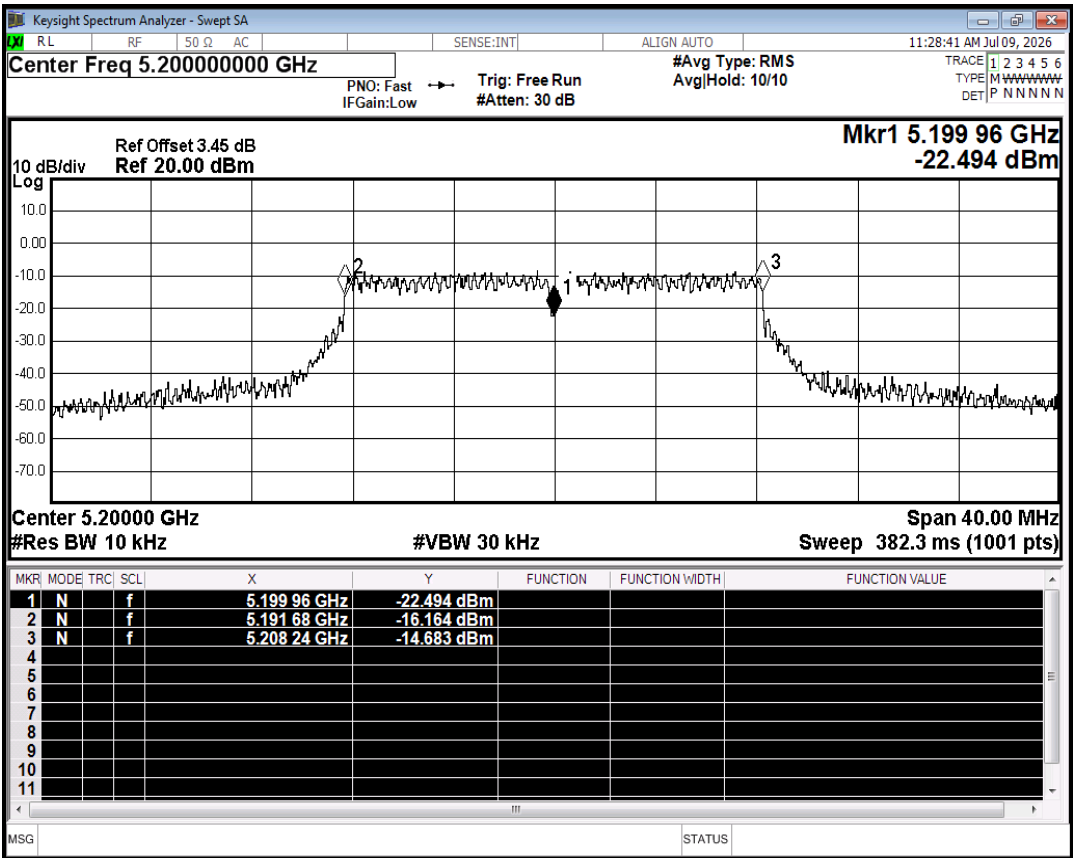
NVNT	ac40	5190	-58.28	-58.14	5.89	45.92	Average	54	Pass
NVNT	ac40	5190	-42.02	-41.71	5.89	62.27	Peak	68.2	Pass
NVNT	ac40	5190	-49.92	-50.47	5.89	53.94	Average	54	Pass
NVNT	ac40	5190	-41.27	-43.74	5.89	61.80	Peak	68.2	Pass
NVNT	ac40	5190	-50.66	-50.05	5.89	53.78	Average	54	Pass
NVNT	ac40	5230	-51.09	-49.73	5.89	53.77	Peak	68.2	Pass
NVNT	ac40	5230	-56.89	-57.09	5.89	47.14	Average	54	Pass
NVNT	ac40	5230	-46.74	-47.21	5.89	57.16	Peak	68.2	Pass
NVNT	ac40	5230	-56.33	-56.39	5.89	47.77	Average	54	Pass
NVNT	ac40	5230	-49.31	-49.56	5.89	54.69	Peak	68.2	Pass
NVNT	ac40	5230	-56.47	-56.76	5.89	47.52	Average	54	Pass
NVNT	ac80	5210	-50.03	-50.09	5.89	54.07	Peak	68.2	Pass
NVNT	ac80	5210	-55.6	-55.92	5.89	48.37	Average	54	Pass
NVNT	ac80	5210	-46.08	-46.27	5.89	57.95	Peak	68.2	Pass
NVNT	ac80	5210	-55.03	-55.69	5.89	48.78	Average	54	Pass
NVNT	ac80	5210	-50.83	-48.53	5.89	54.60	Peak	68.2	Pass
NVNT	ac80	5210	-56.24	-56.4	5.89	47.81	Average	54	Pass
NVNT	ac80	5210	-52.08	-51.35	5.89	52.43	Peak	68.2	Pass
NVNT	ac80	5210	-58.08	-58.11	5.89	46.03	Average	54	Pass
NVNT	ac80	5210	-39.93	-41.42	5.89	63.52	Peak	68.2	Pass
NVNT	ac80	5210	-50.77	-50.29	5.89	53.60	Average	54	Pass
NVNT	ac80	5210	-44.17	-43.92	5.89	60.08	Peak	68.2	Pass
NVNT	ac80	5210	-50.66	-50.12	5.89	53.75	Average	54	Pass

D.5 Frequency Stability

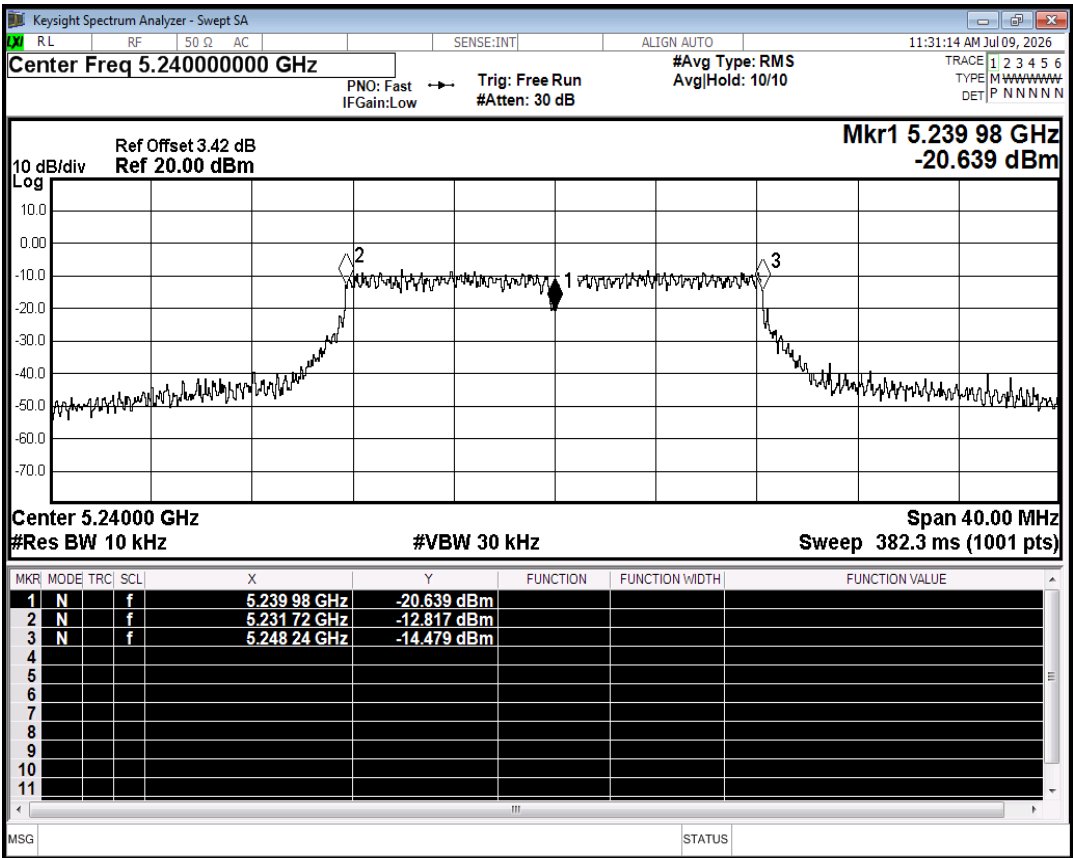
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
NVNT	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass



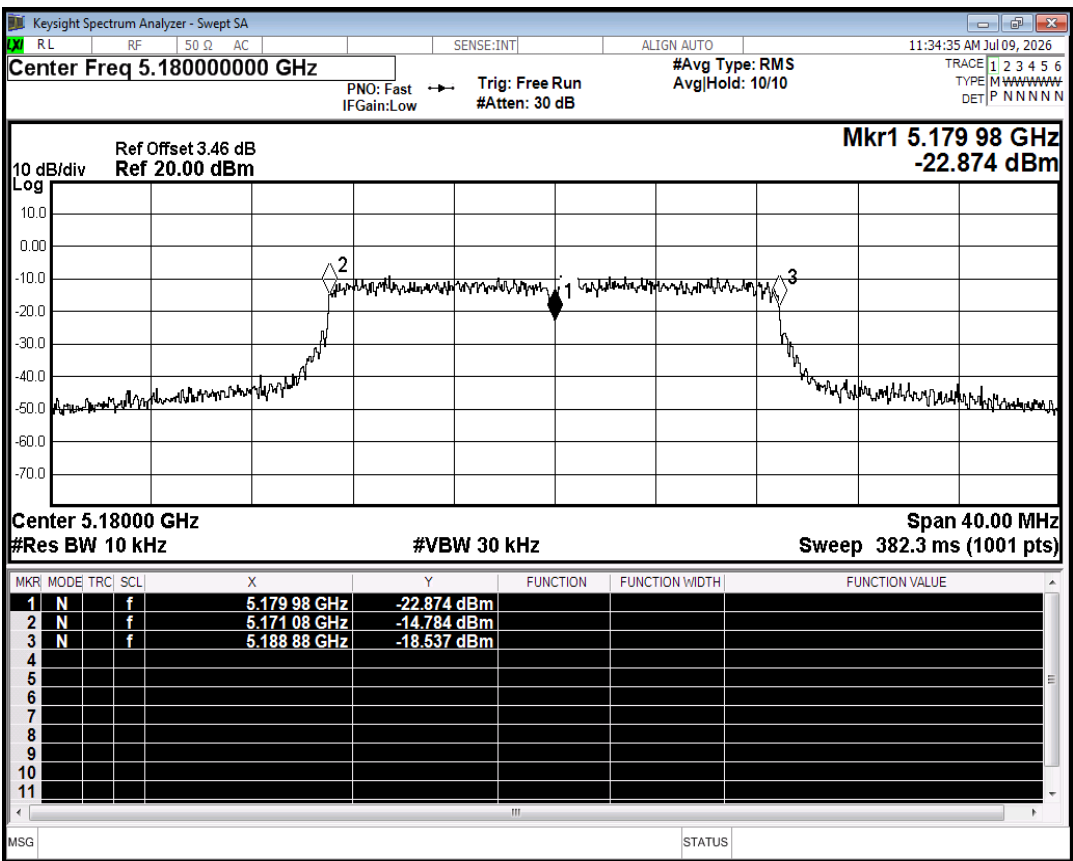
Freq. Stability NVNT a 5180MHz Ant1



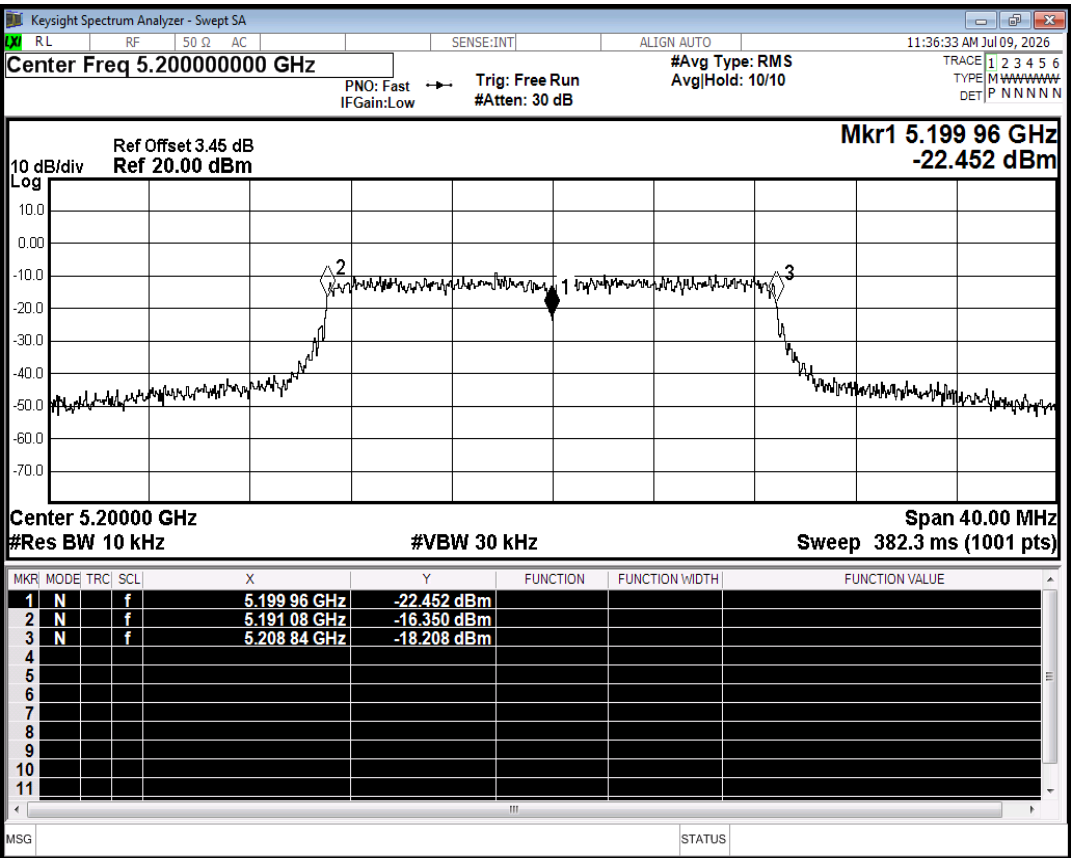
Freq. Stability NVNT a 5200MHz Ant1



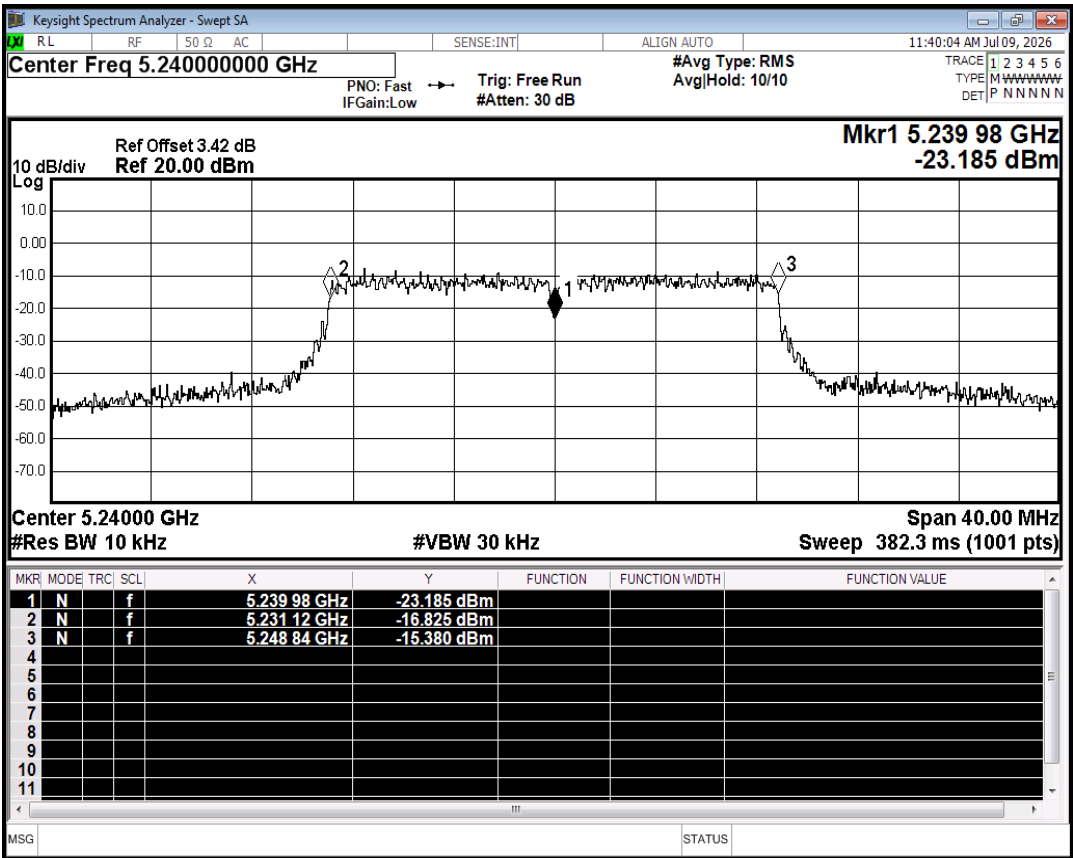
Freq. Stability NVNT a 5240MHz Ant1



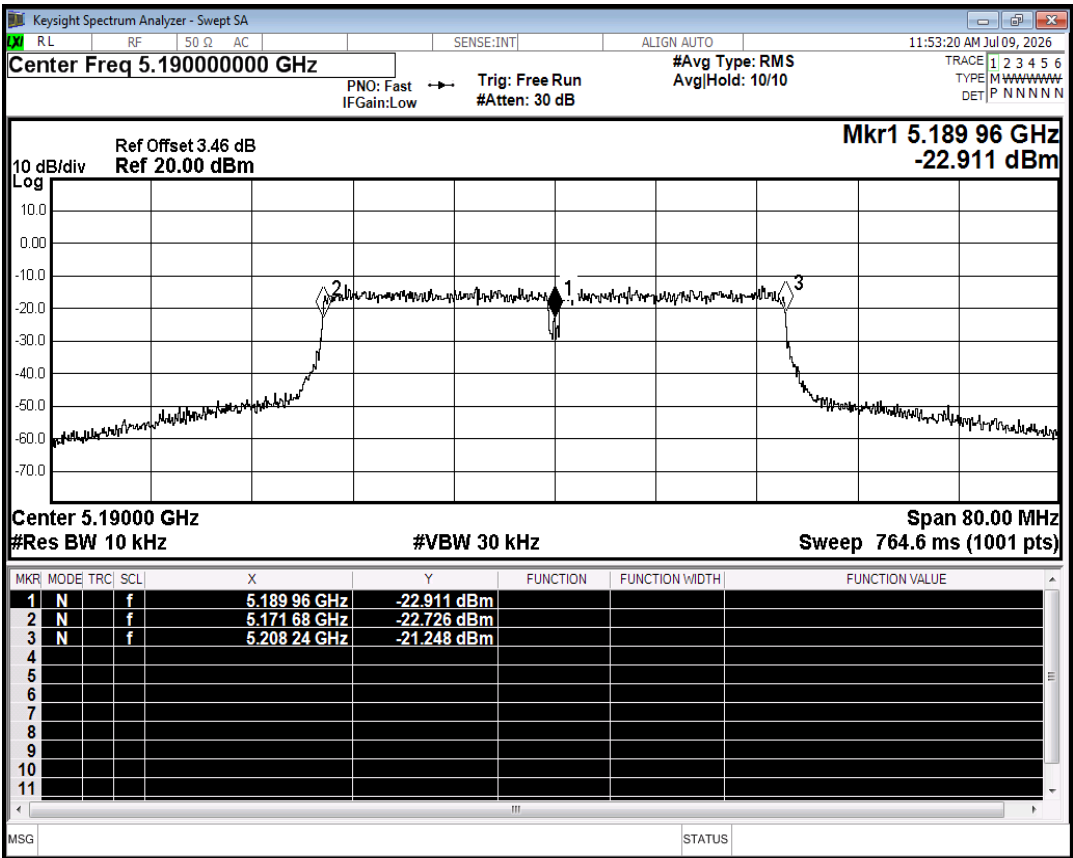
Freq. Stability NVNT n20 5180MHz Ant1



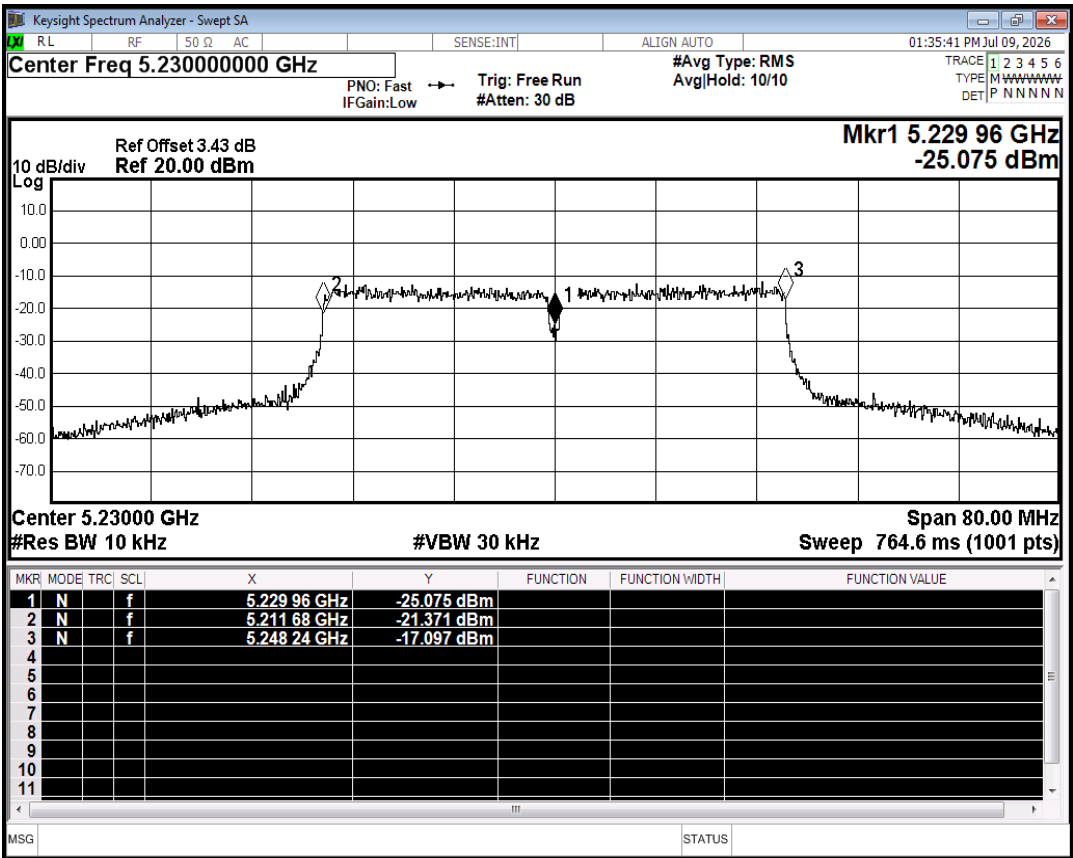
Freq. Stability NVNT n20 5200MHz Ant1



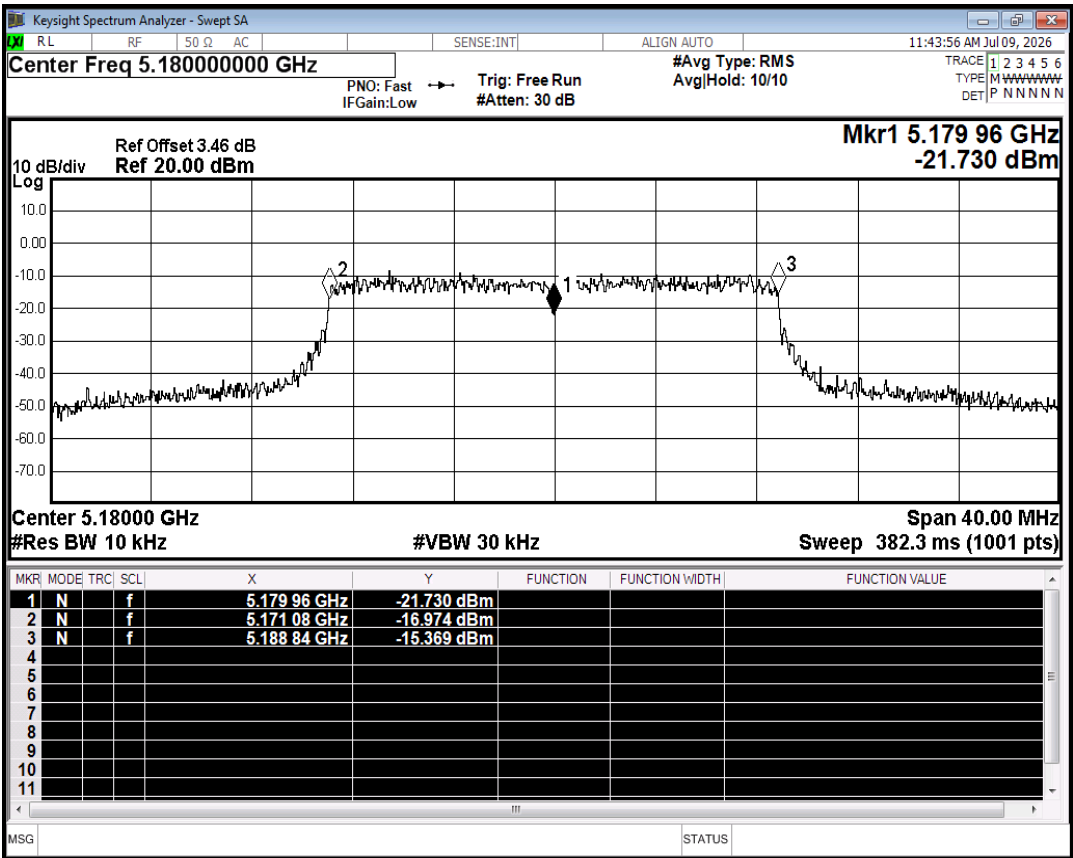
Freq. Stability NVNT n20 5240MHz Ant1



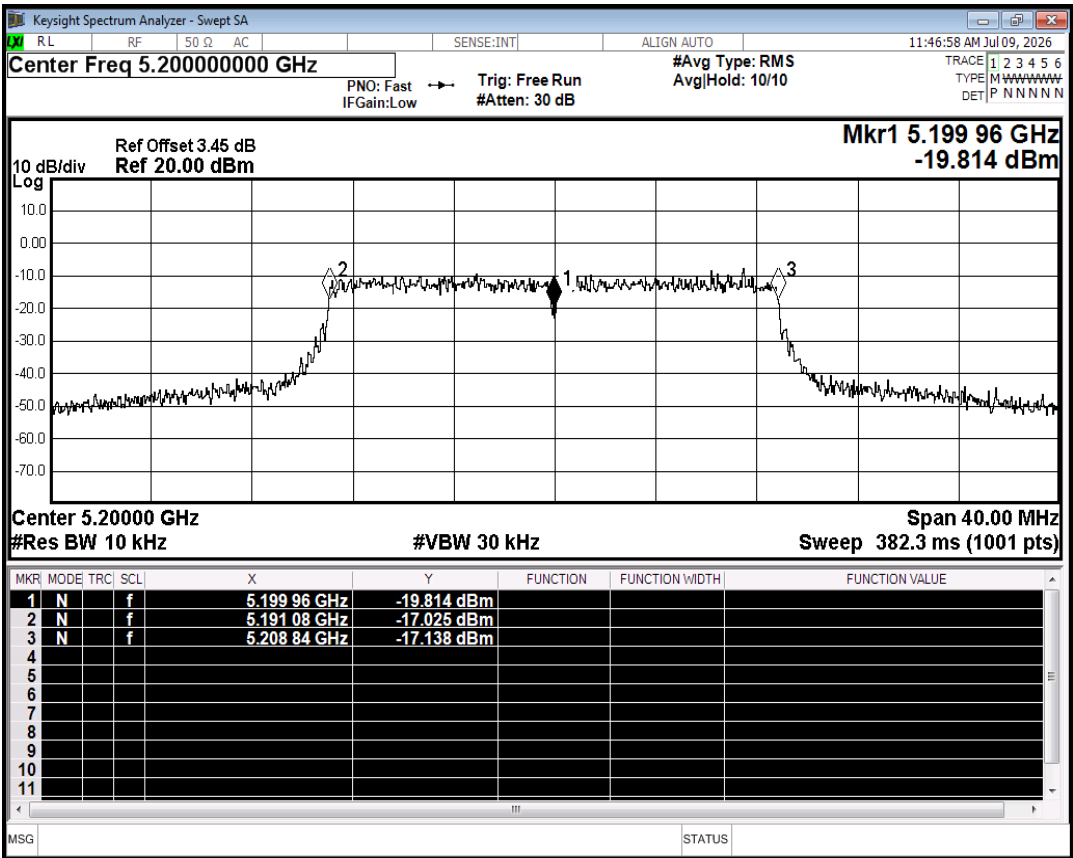
Freq. Stability NVNT n40 5190MHz Ant1



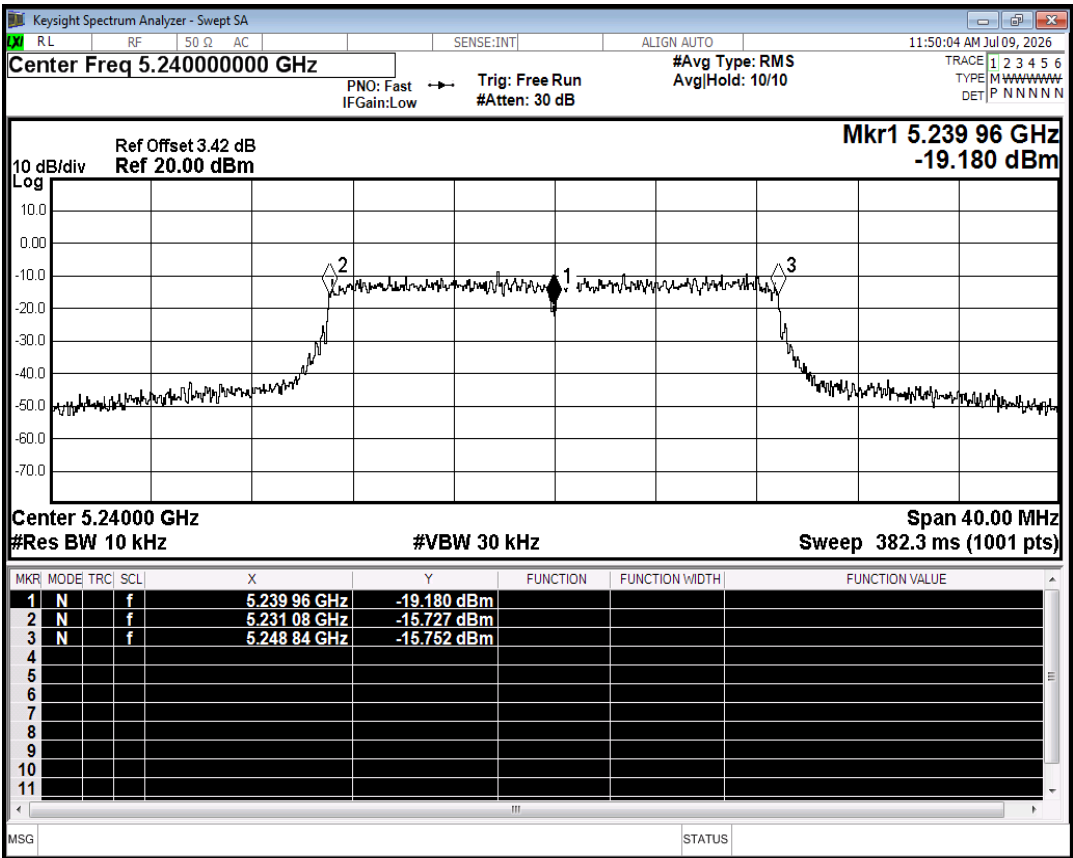
Freq. Stability NVNT n40 5230MHz Ant1



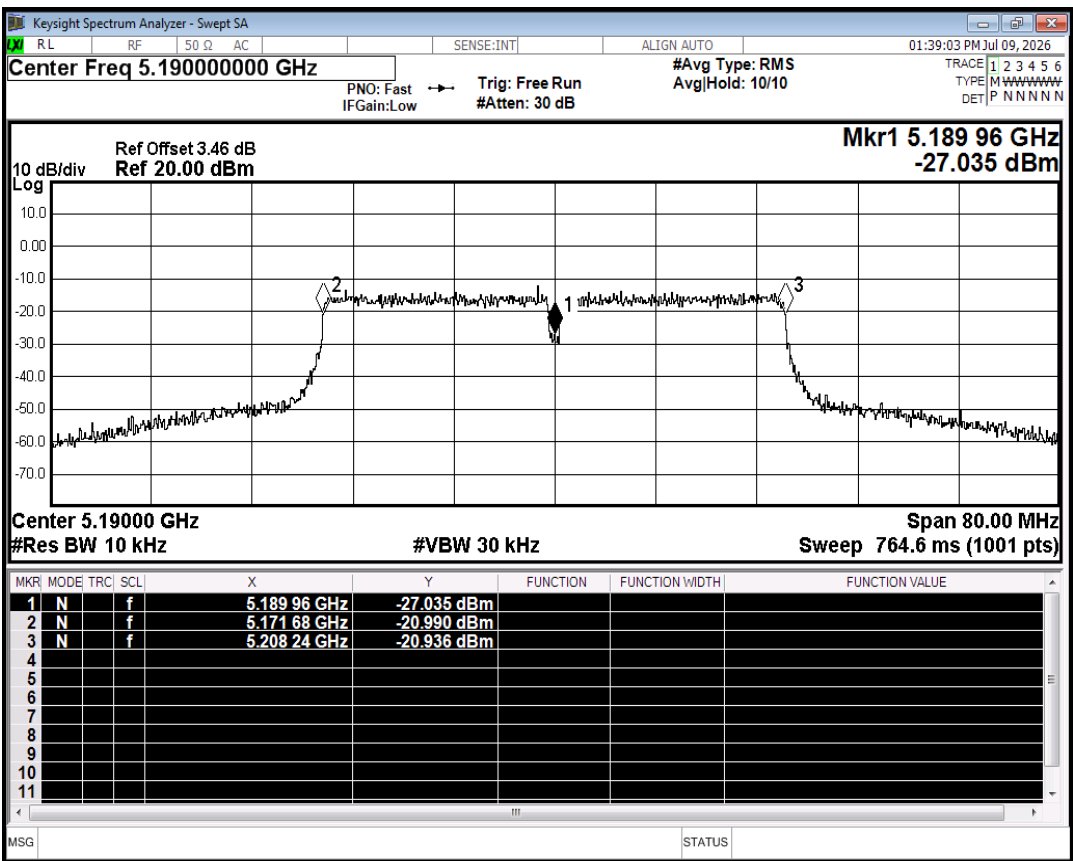
Freq. Stability NVNT ac20 5180MHz Ant1



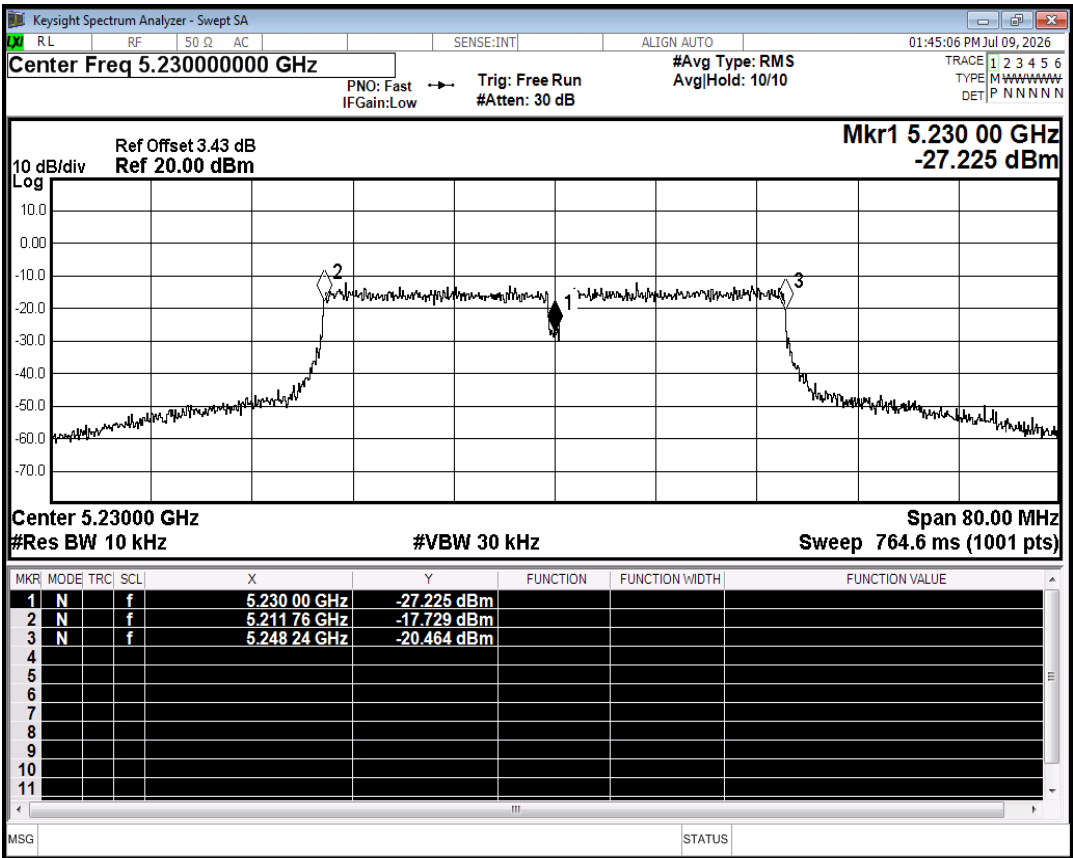
Freq. Stability NVNT ac20 5200MHz Ant1



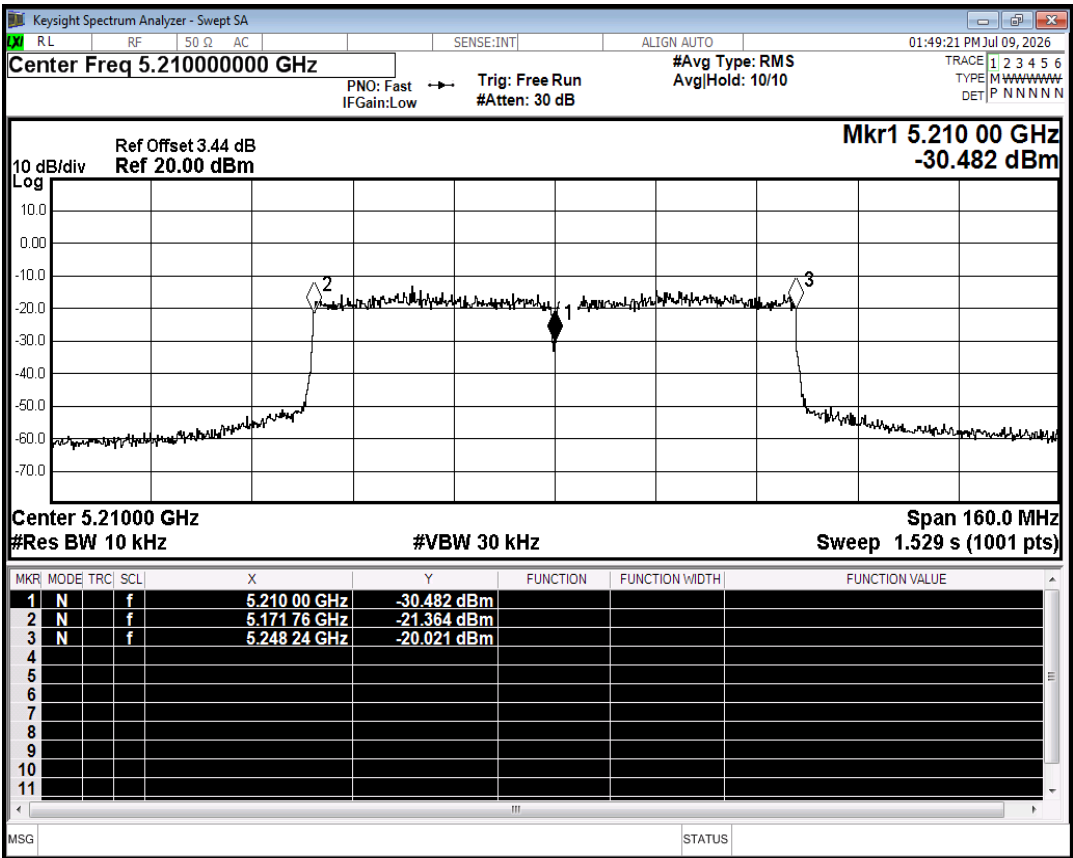
Freq. Stability NVNT ac20 5240MHz Ant1



Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
NVNT	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
NVNT	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
NVNT	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
NVNT	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant2	5240	0	0	25	Pass
NVNT	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant2	5230	0	0	25	Pass
NVNT	ac80	5210	Ant2	5210	0	0	25	Pass