



## Appendix D

### RF Test Data for 5.2GWIFI(Conducted Measurement)

Product Name: Looki L1

Test Model: LNMBB001

#### Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





### D.1 -26dB Bandwidth

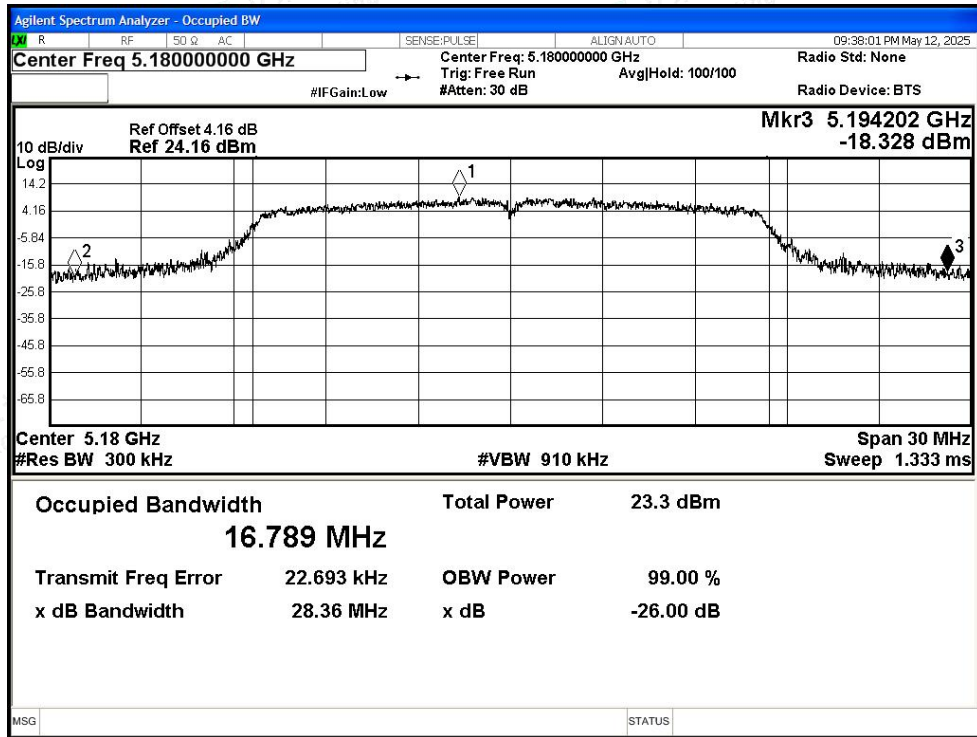
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	28.359	---	Pass
NVNT	a	5200	Ant1	24.38	---	Pass
NVNT	a	5240	Ant1	26.269	---	Pass
NVNT	n20	5180	Ant1	27.974	---	Pass
NVNT	n20	5200	Ant1	26.777	---	Pass
NVNT	n20	5240	Ant1	28.422	---	Pass
NVNT	n40	5190	Ant1	59.184	---	Pass
NVNT	n40	5230	Ant1	59.613	---	Pass
NVNT	ac20	5180	Ant1	27.864	---	Pass
NVNT	ac20	5200	Ant1	26.363	---	Pass
NVNT	ac20	5240	Ant1	28.664	---	Pass
NVNT	ac40	5190	Ant1	45.22	---	Pass
NVNT	ac40	5230	Ant1	57.341	---	Pass



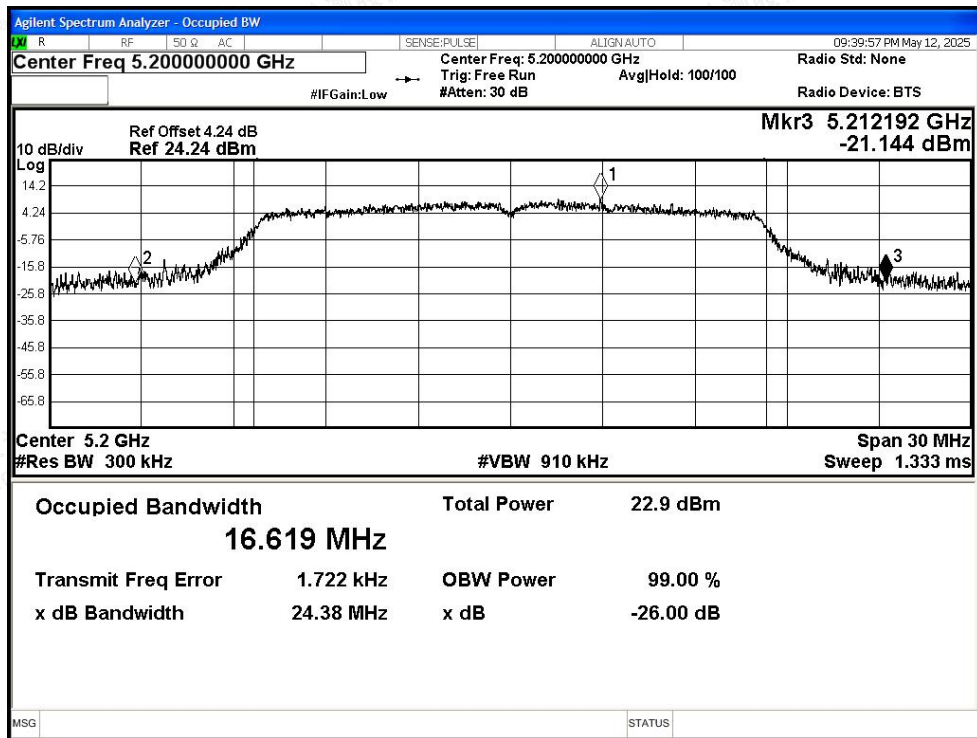


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

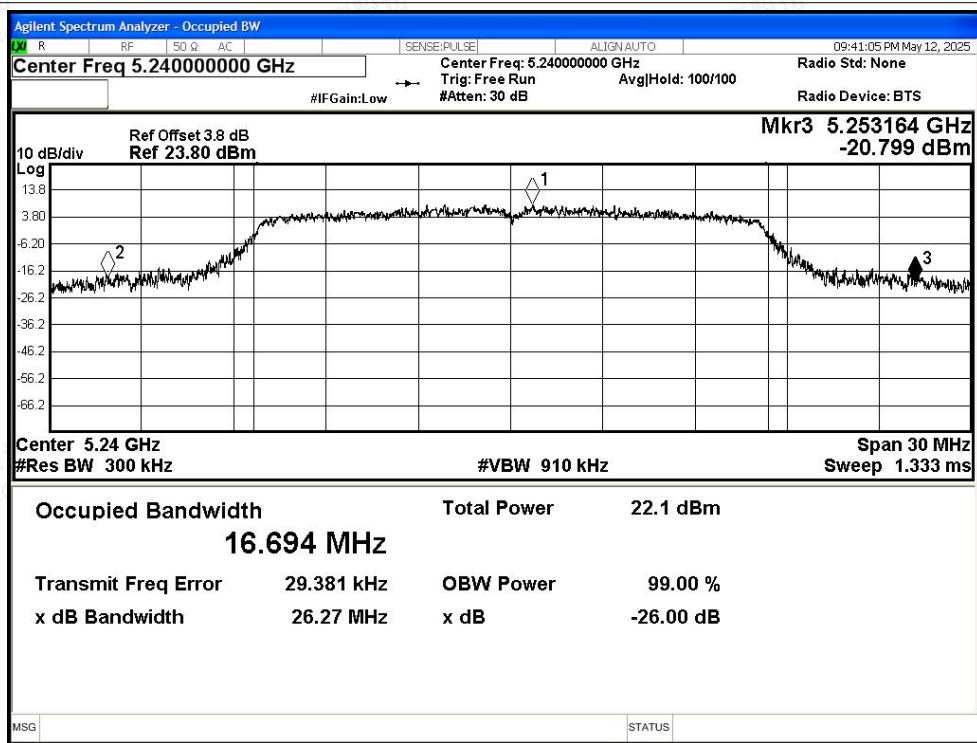


-26dB Bandwidth NVNT a 5200MHz Ant1

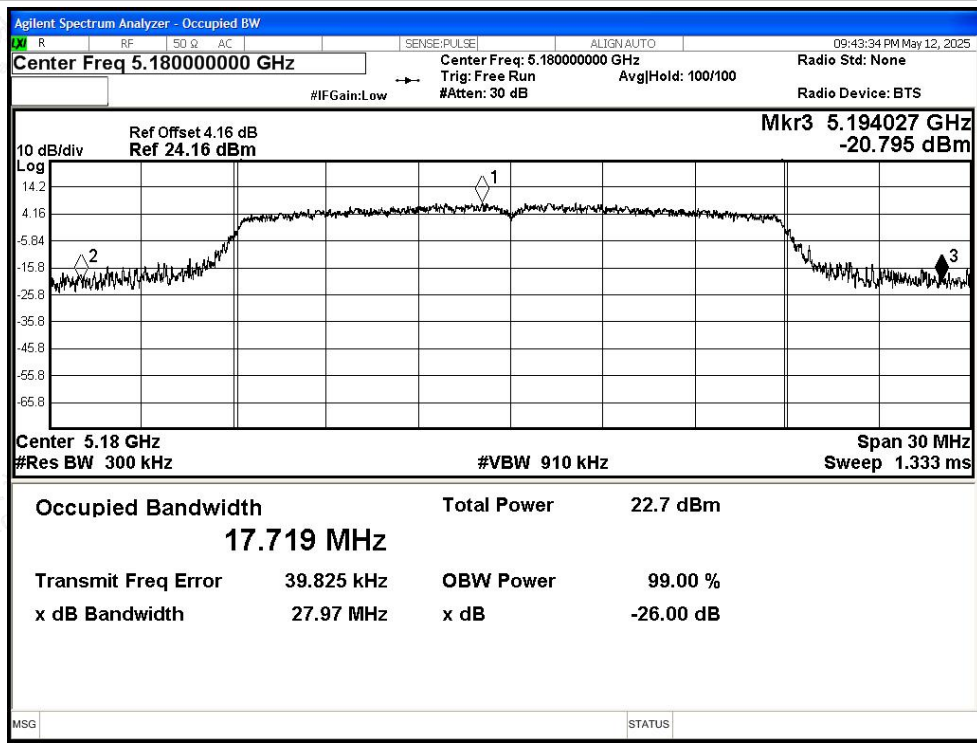


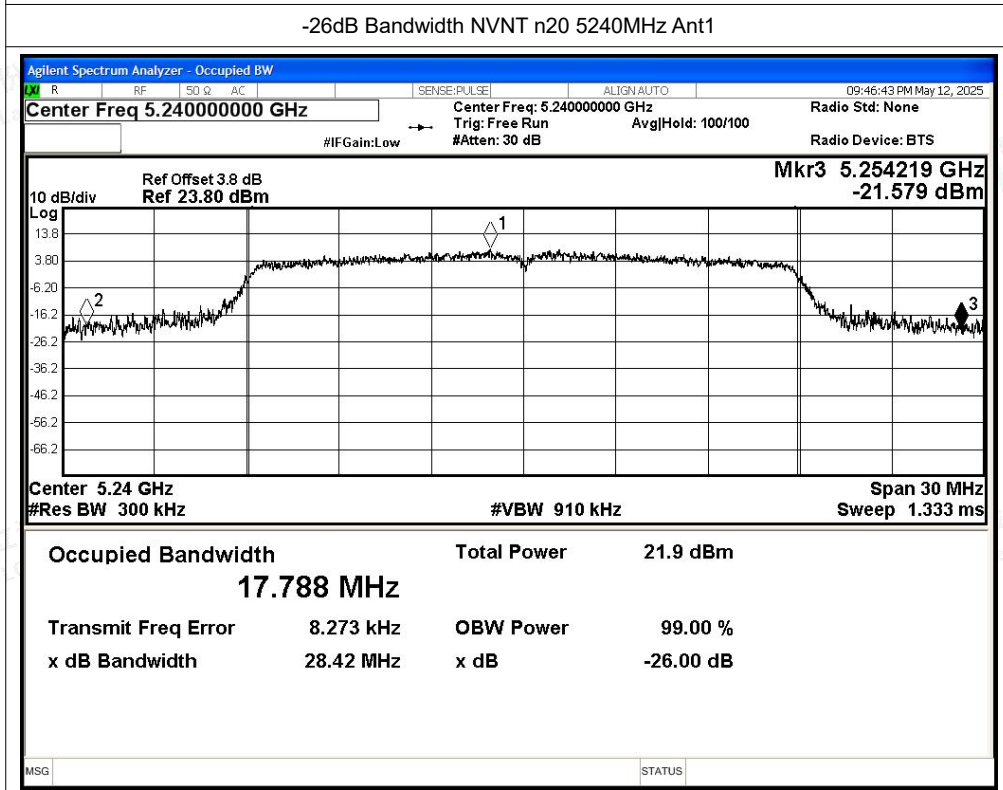
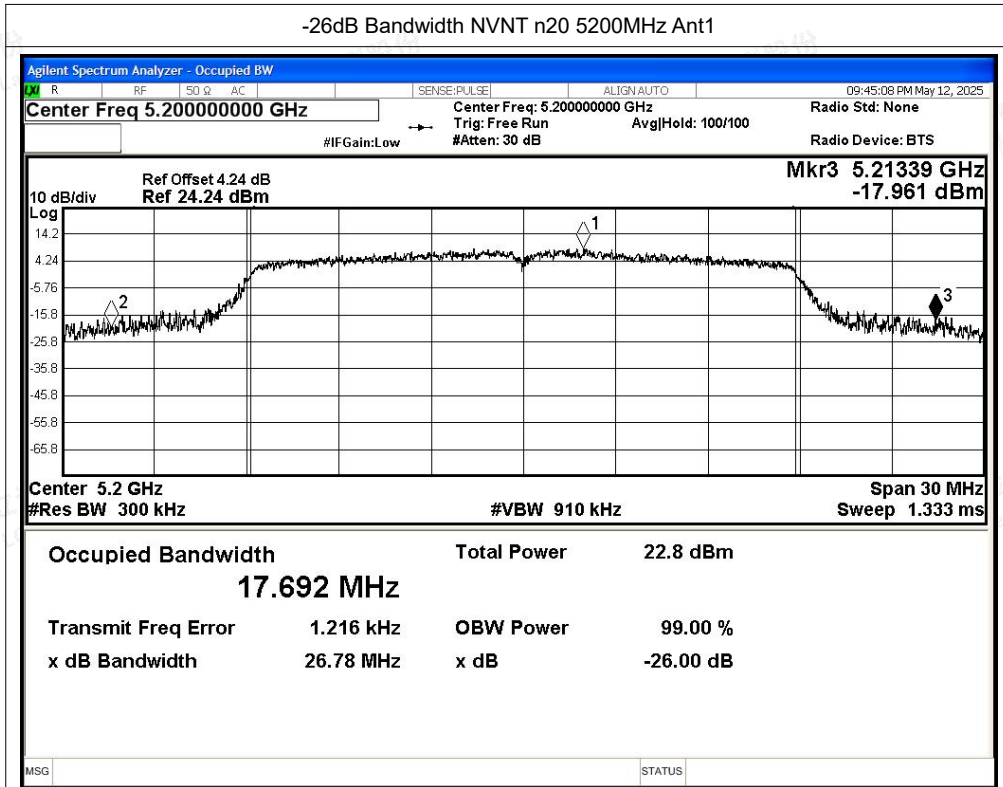


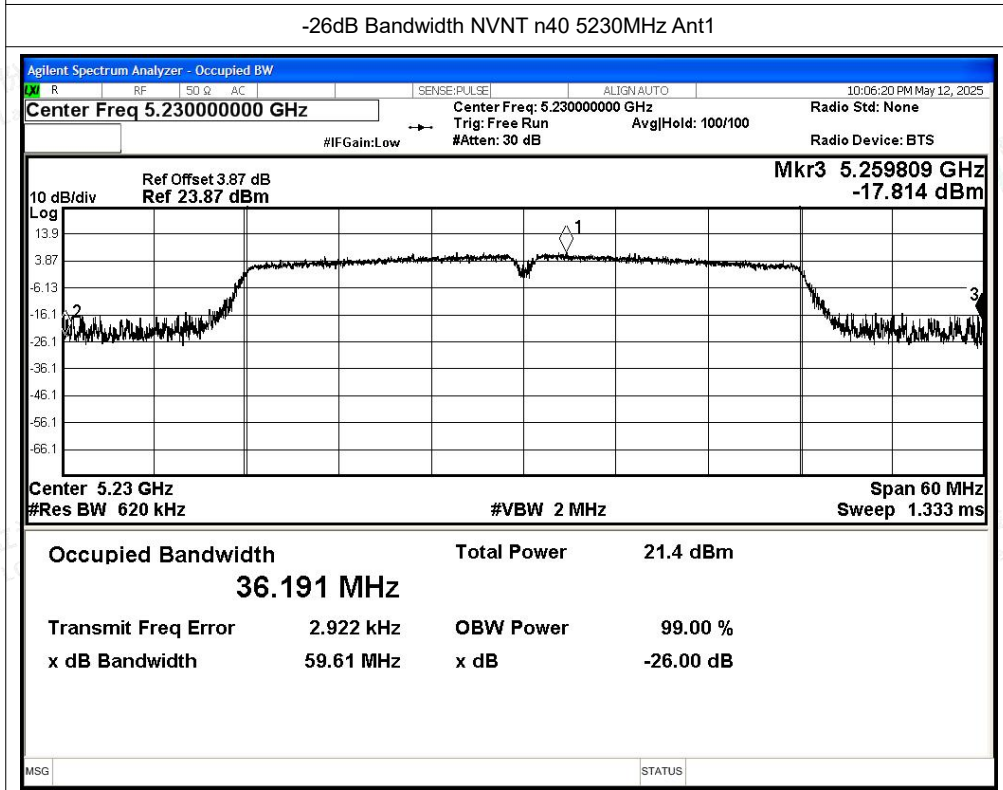
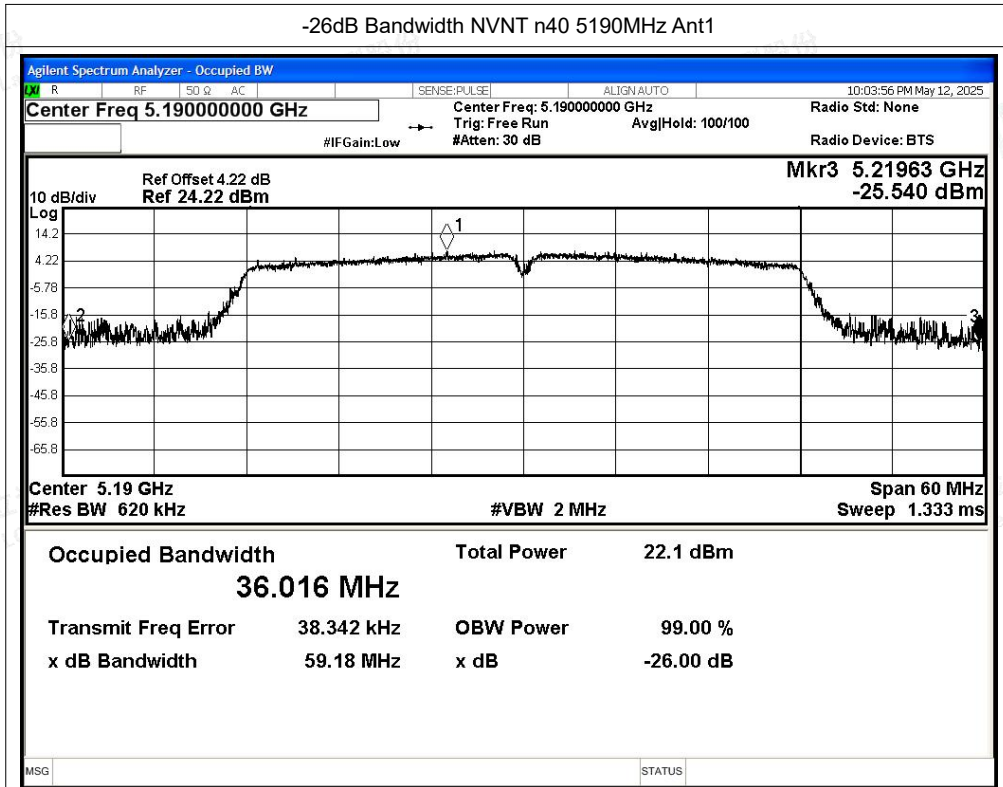
-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



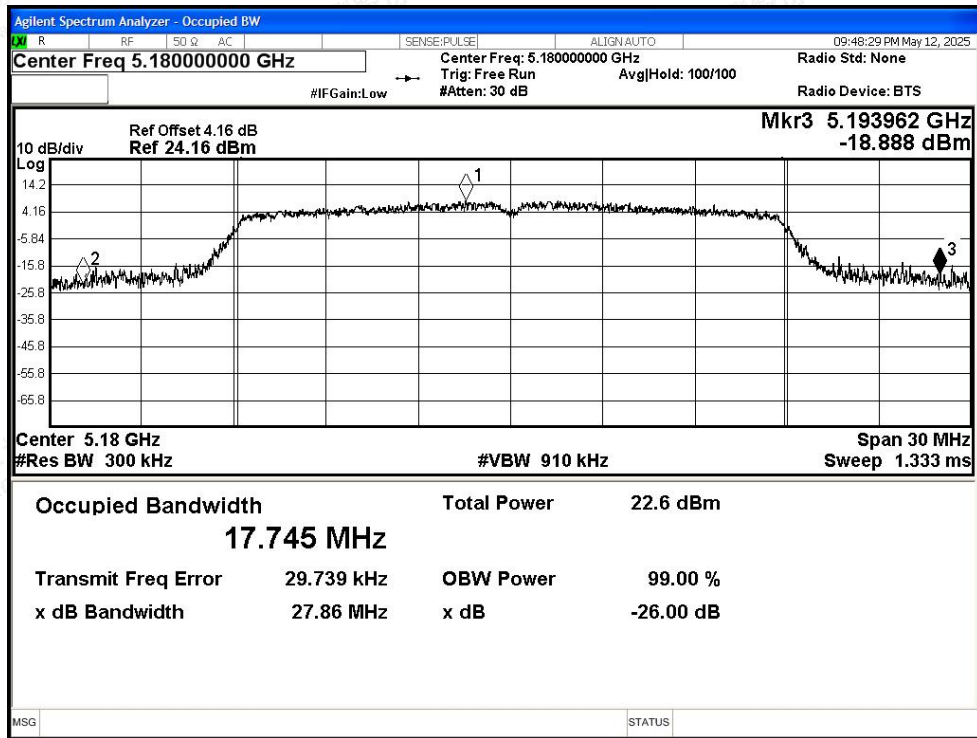




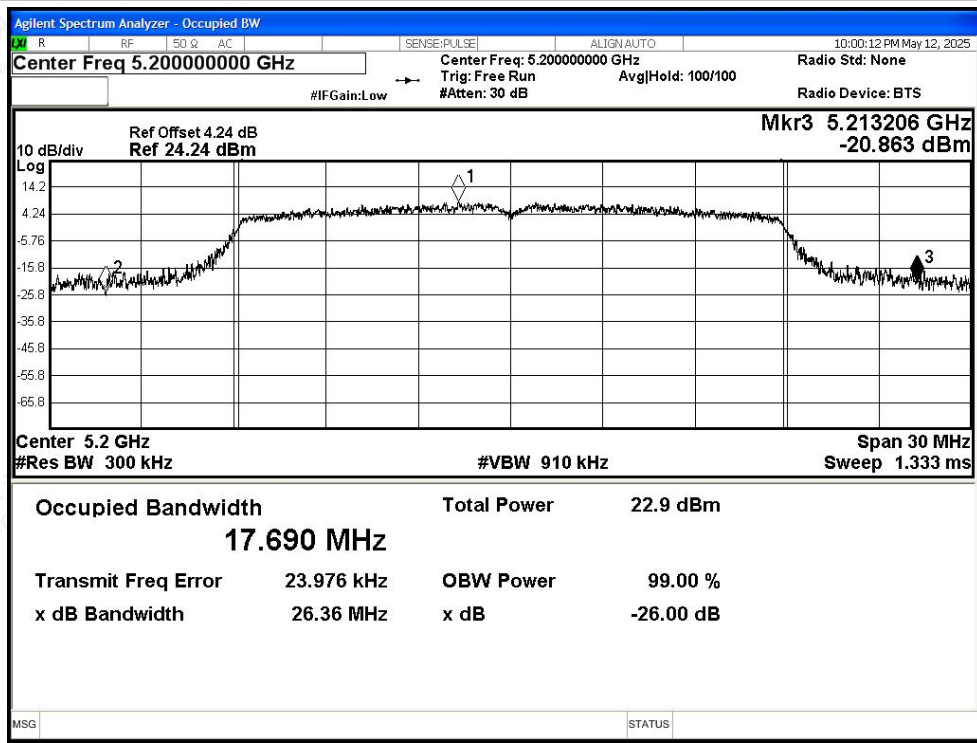


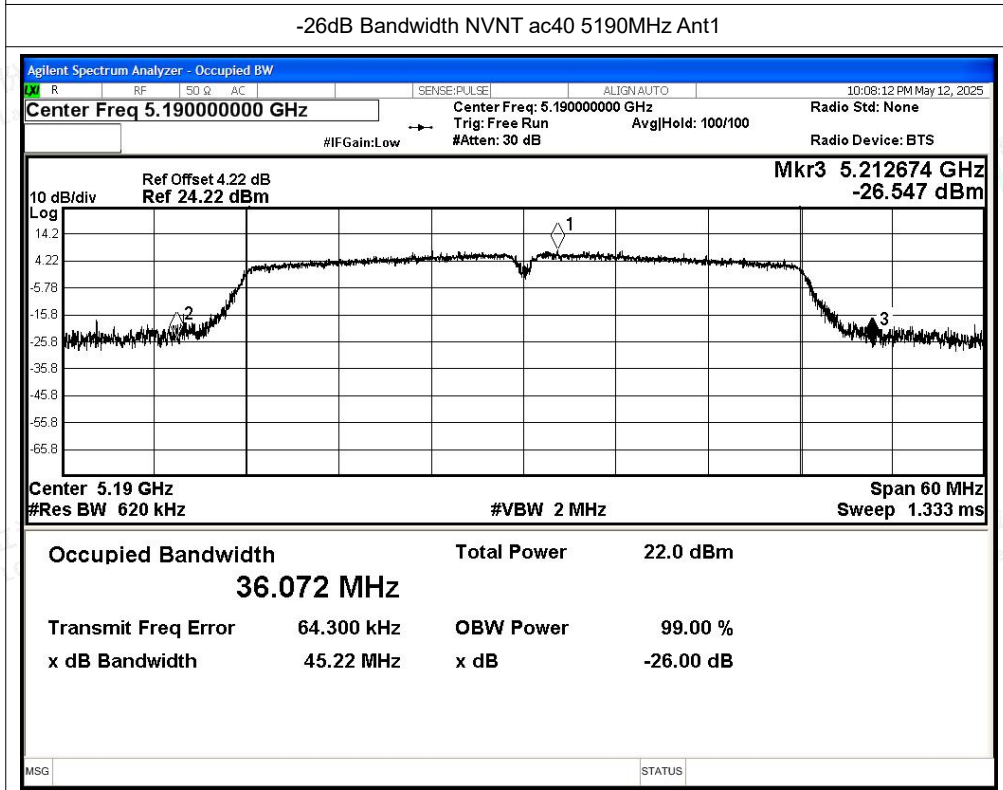
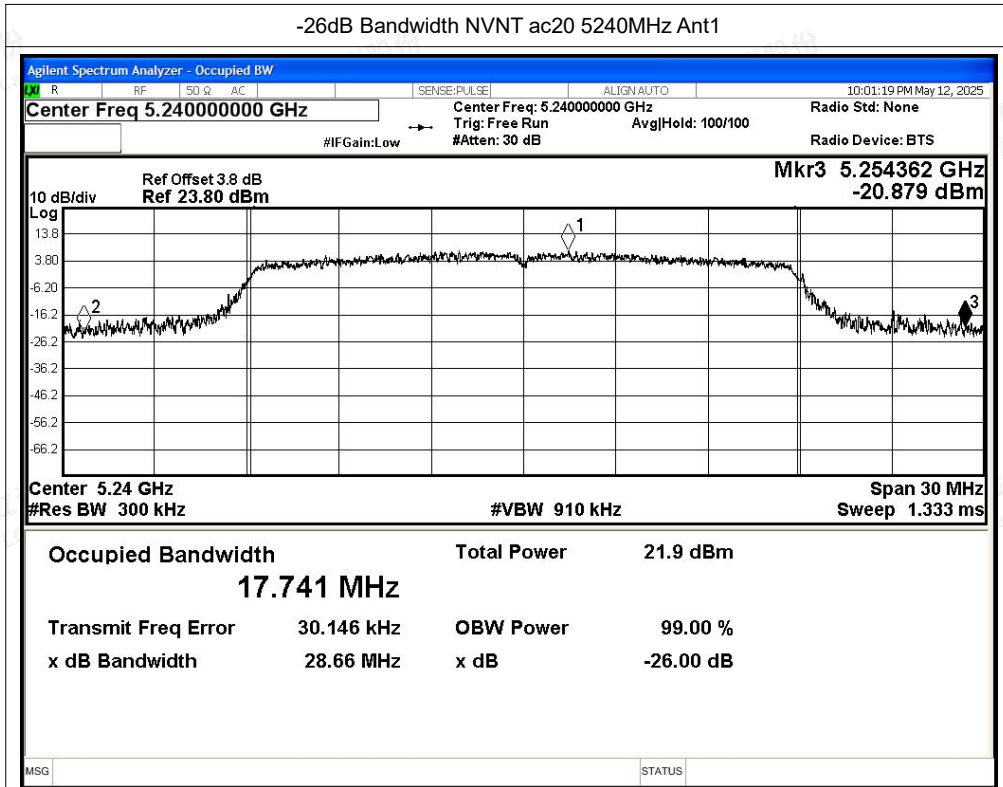


-26dB Bandwidth NVNT ac20 5180MHz Ant1

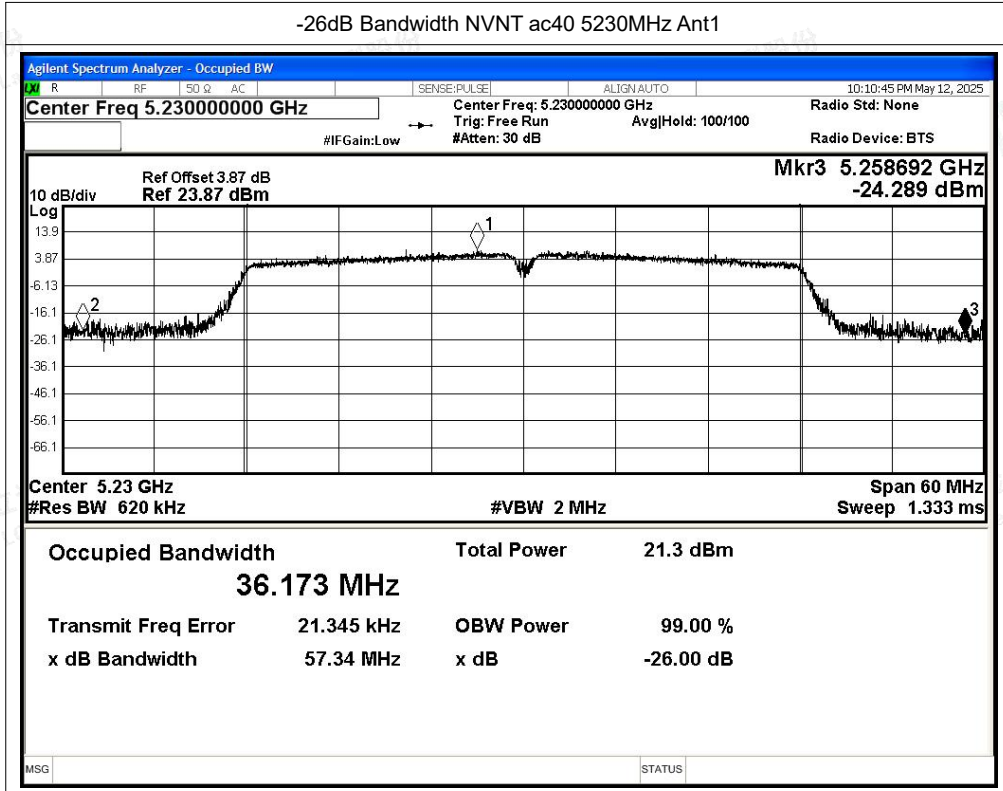


-26dB Bandwidth NVNT ac20 5200MHz Ant1











## D.2 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	17.44	0.13	17.57	24	Pass
NVNT	a	5200	Ant1	17.2	0.13	17.33	24	Pass
NVNT	a	5240	Ant1	16.28	0.13	16.41	24	Pass
NVNT	n20	5180	Ant1	16.96	0.14	17.1	24	Pass
NVNT	n20	5200	Ant1	17.12	0.14	17.26	24	Pass
NVNT	n20	5240	Ant1	16.18	0.14	16.32	24	Pass
NVNT	n40	5190	Ant1	16	0.29	16.29	24	Pass
NVNT	n40	5230	Ant1	15	0.29	15.29	24	Pass
NVNT	ac20	5180	Ant1	16.91	0.15	17.06	24	Pass
NVNT	ac20	5200	Ant1	17.19	0.14	17.33	24	Pass
NVNT	ac20	5240	Ant1	16.23	0.14	16.37	24	Pass
NVNT	ac40	5190	Ant1	15.95	0.28	16.23	24	Pass
NVNT	ac40	5230	Ant1	15.07	0.28	15.35	24	Pass





### D.3 Maximum Power Spectral Density Level

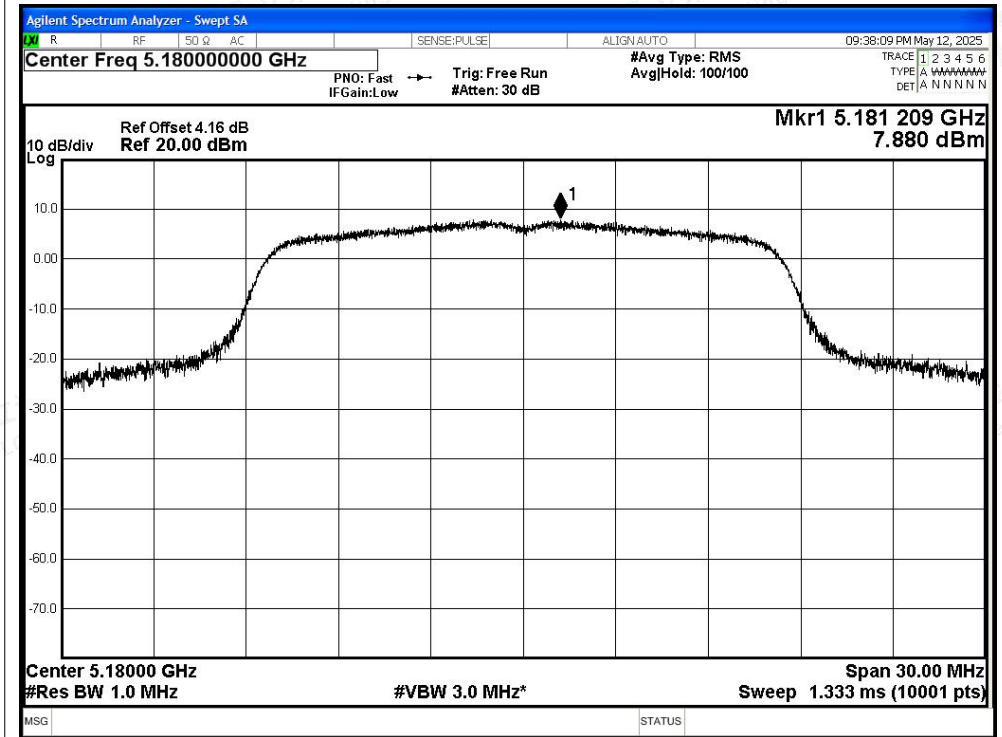
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD(dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	7.88	0.13	8.01	11	Pass
NVNT	a	5200	Ant1	7.68	0.13	7.81	11	Pass
NVNT	a	5240	Ant1	6.71	0.13	6.84	11	Pass
NVNT	n20	5180	Ant1	7.21	0.14	7.35	11	Pass
NVNT	n20	5200	Ant1	7.44	0.14	7.58	11	Pass
NVNT	n20	5240	Ant1	6.38	0.14	6.52	11	Pass
NVNT	n40	5190	Ant1	3.37	0.29	3.66	11	Pass
NVNT	n40	5230	Ant1	2.69	0.29	2.98	11	Pass
NVNT	ac20	5180	Ant1	7.11	0.15	7.26	11	Pass
NVNT	ac20	5200	Ant1	7.35	0.14	7.49	11	Pass
NVNT	ac20	5240	Ant1	6.38	0.14	6.52	11	Pass
NVNT	ac40	5190	Ant1	3.38	0.28	3.66	11	Pass
NVNT	ac40	5230	Ant1	2.5	0.28	2.78	11	Pass



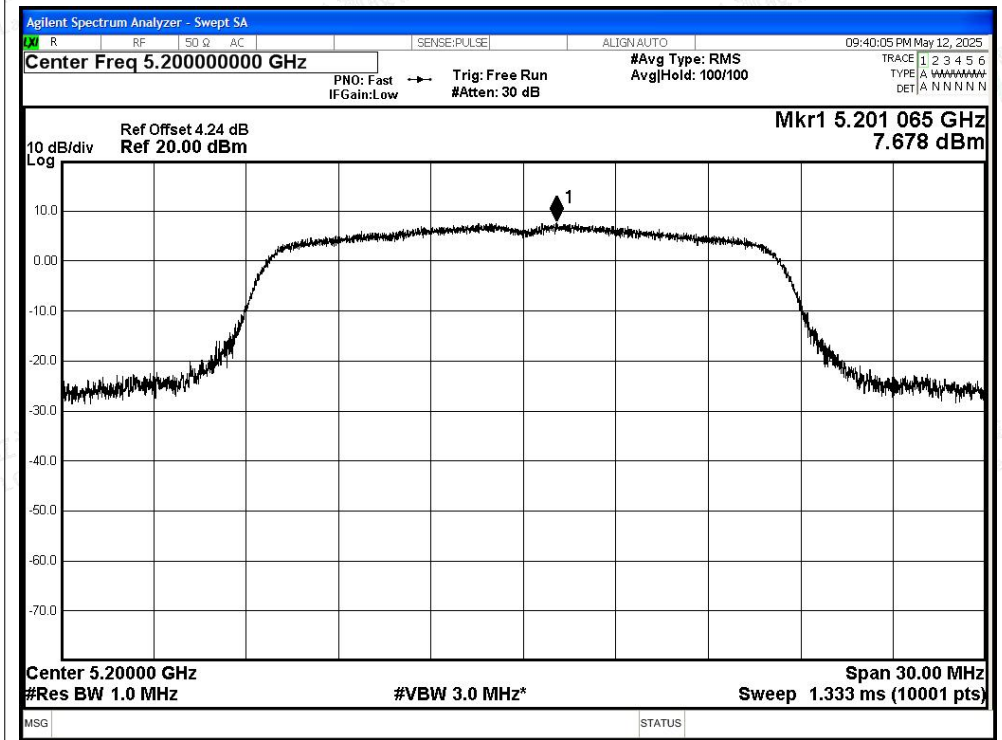


Test Graphs

PSD NVNT a 5180MHz Ant1

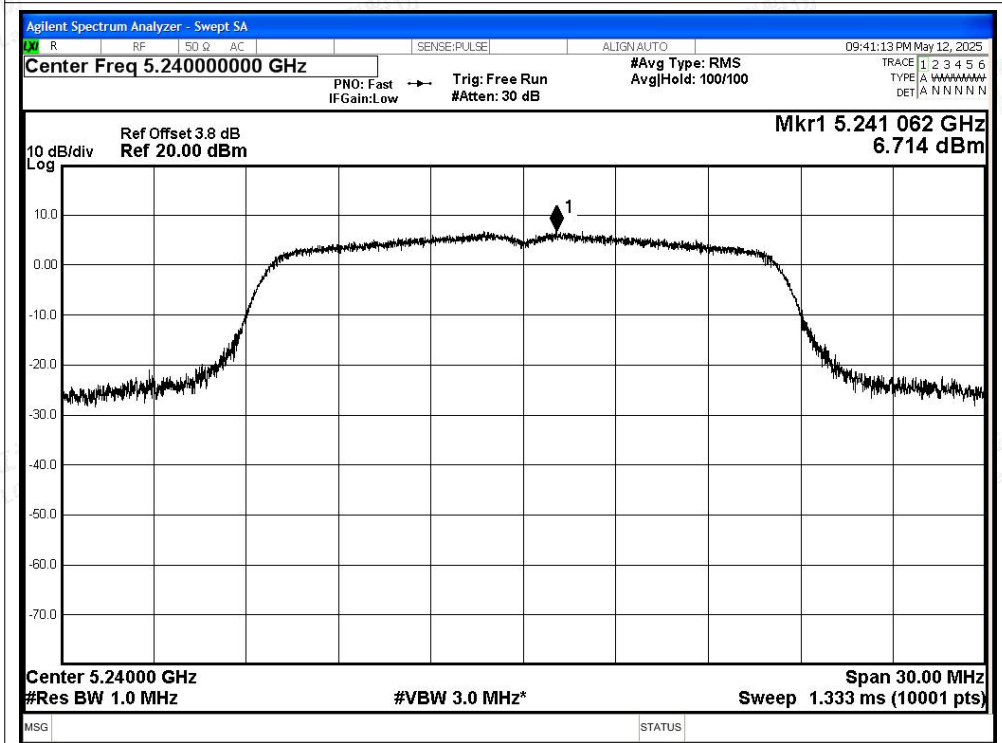


PSD NVNT a 5200MHz Ant1

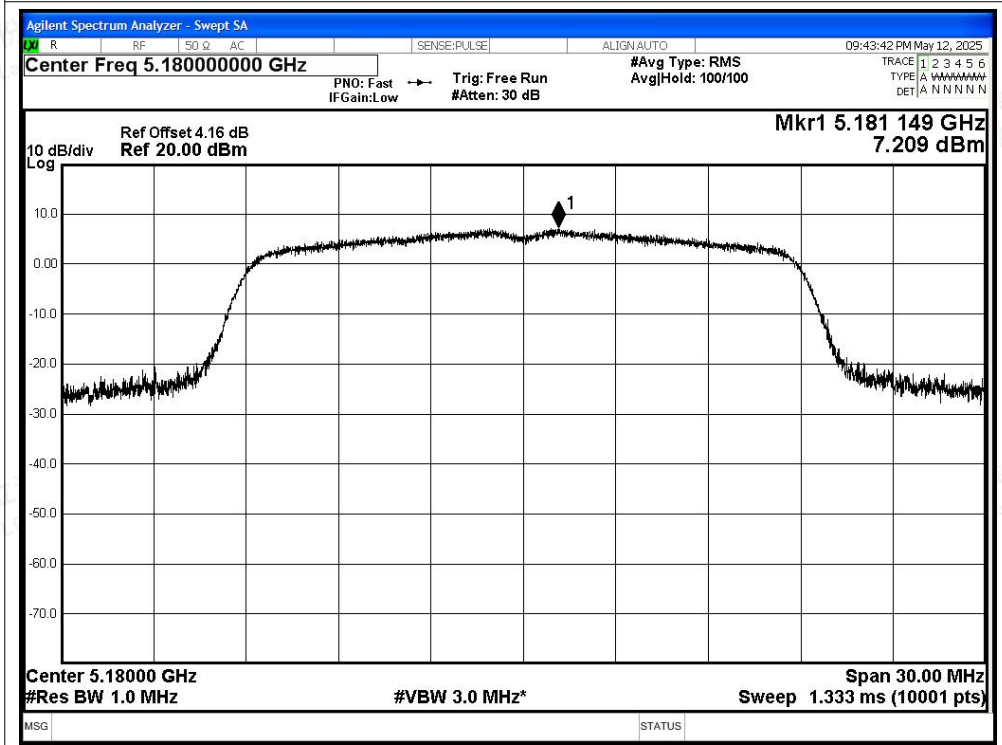




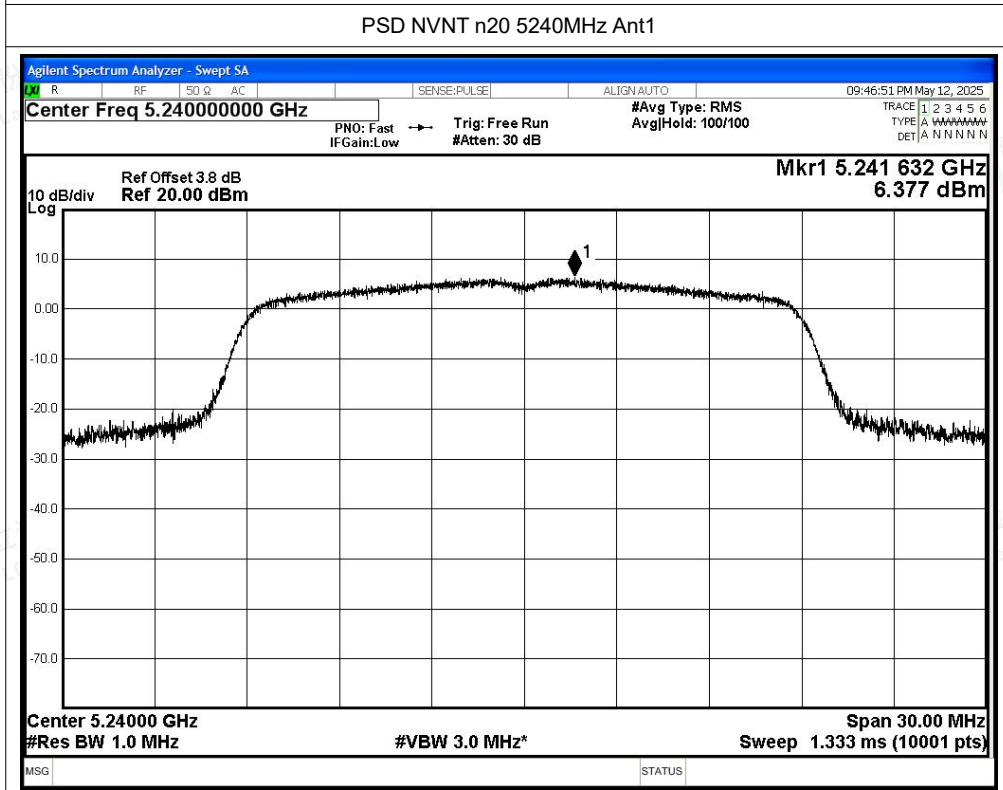
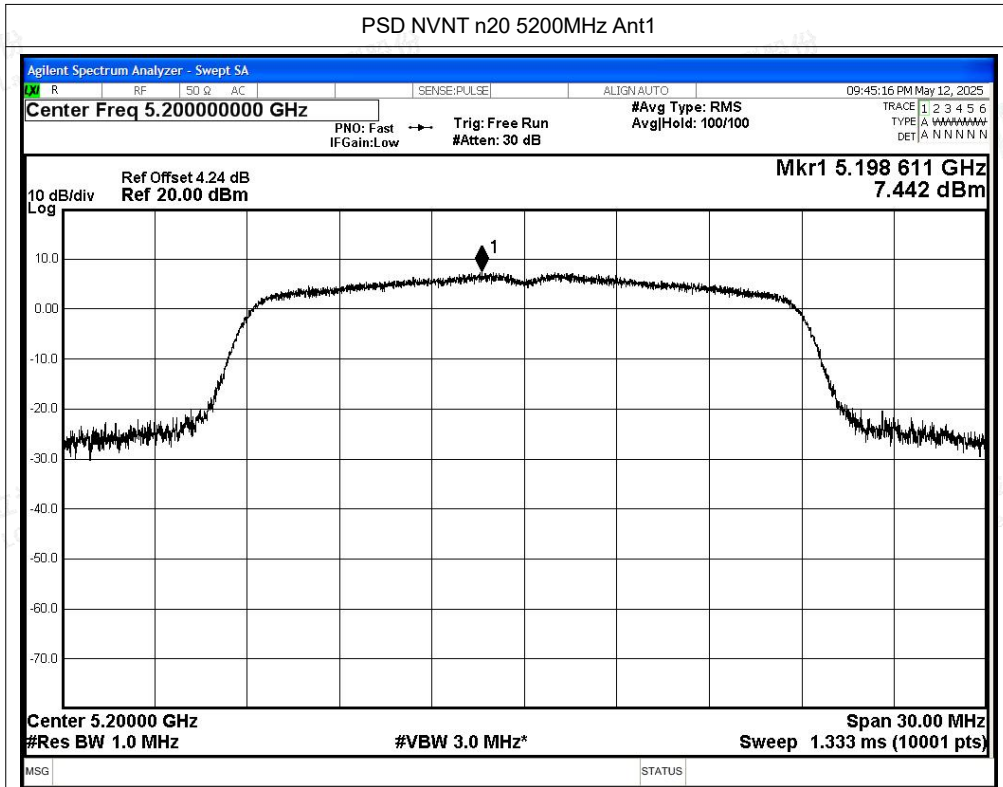
PSD NVNT a 5240MHz Ant1

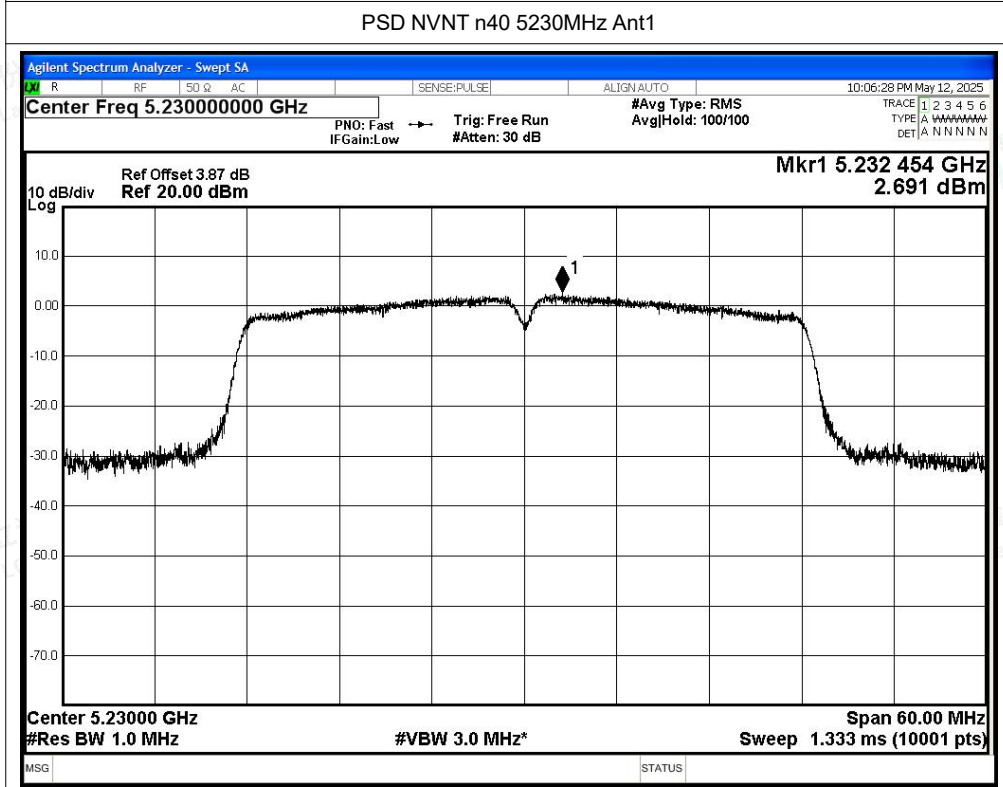
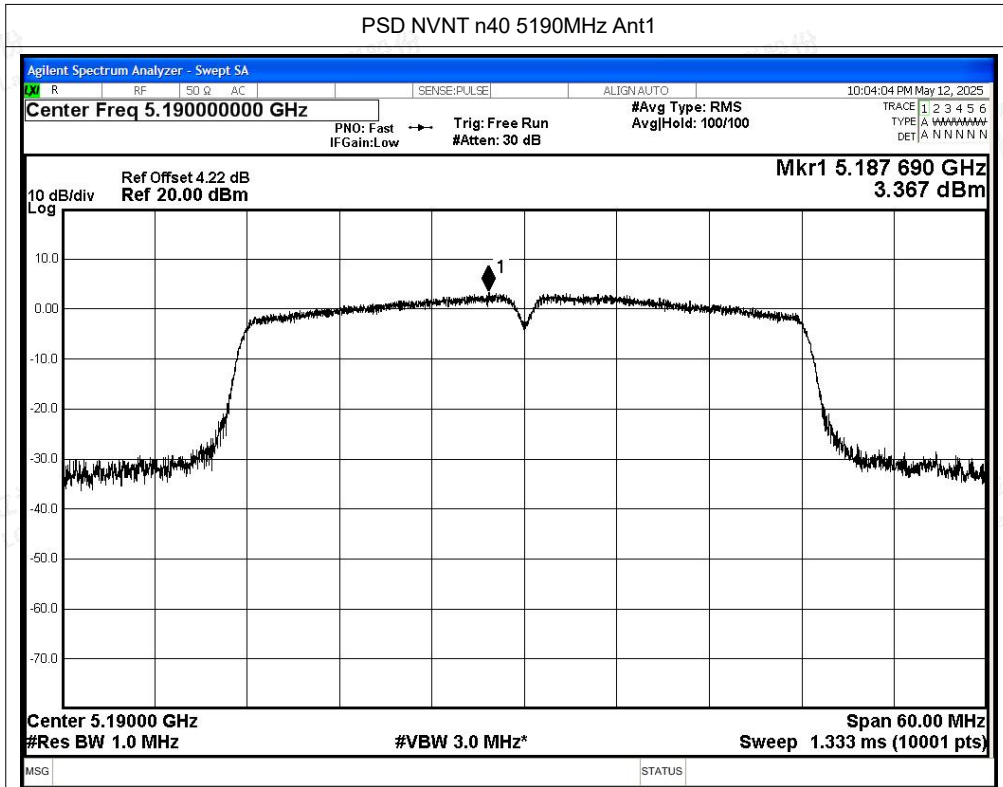


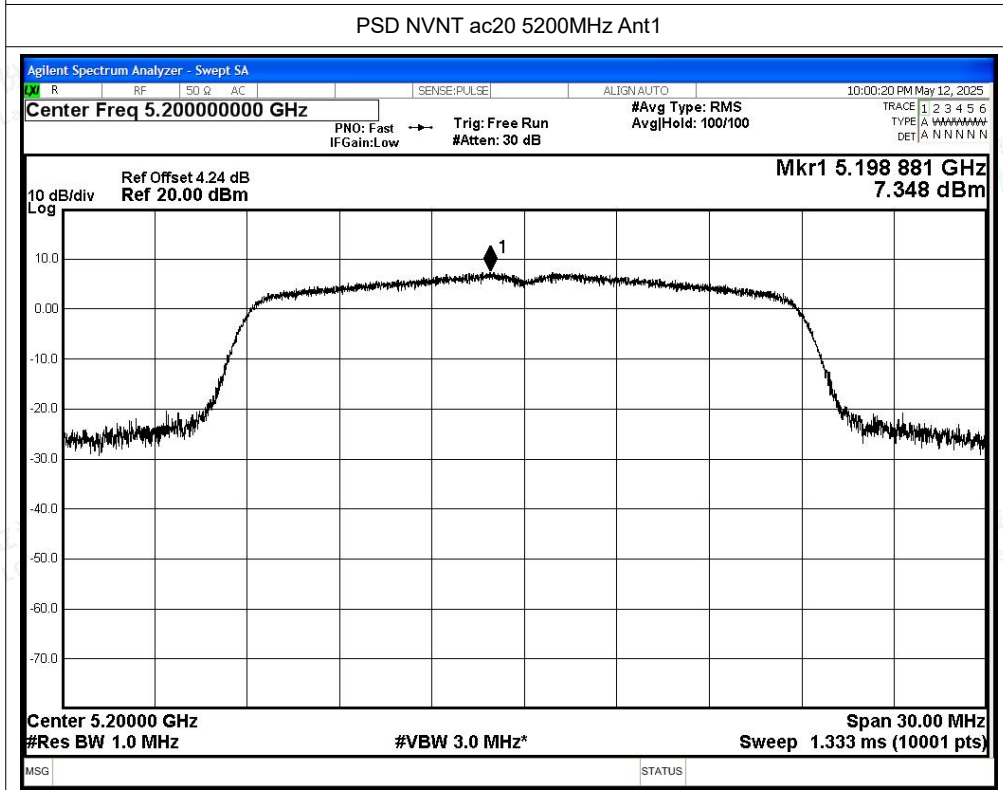
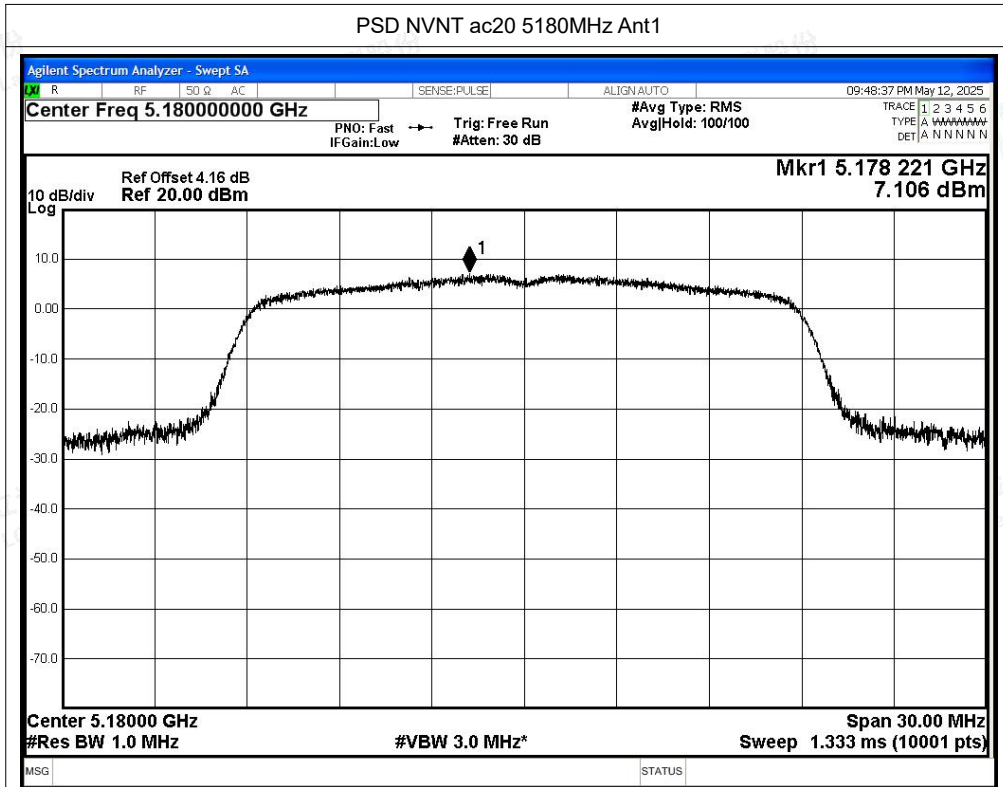
PSD NVNT n20 5180MHz Ant1

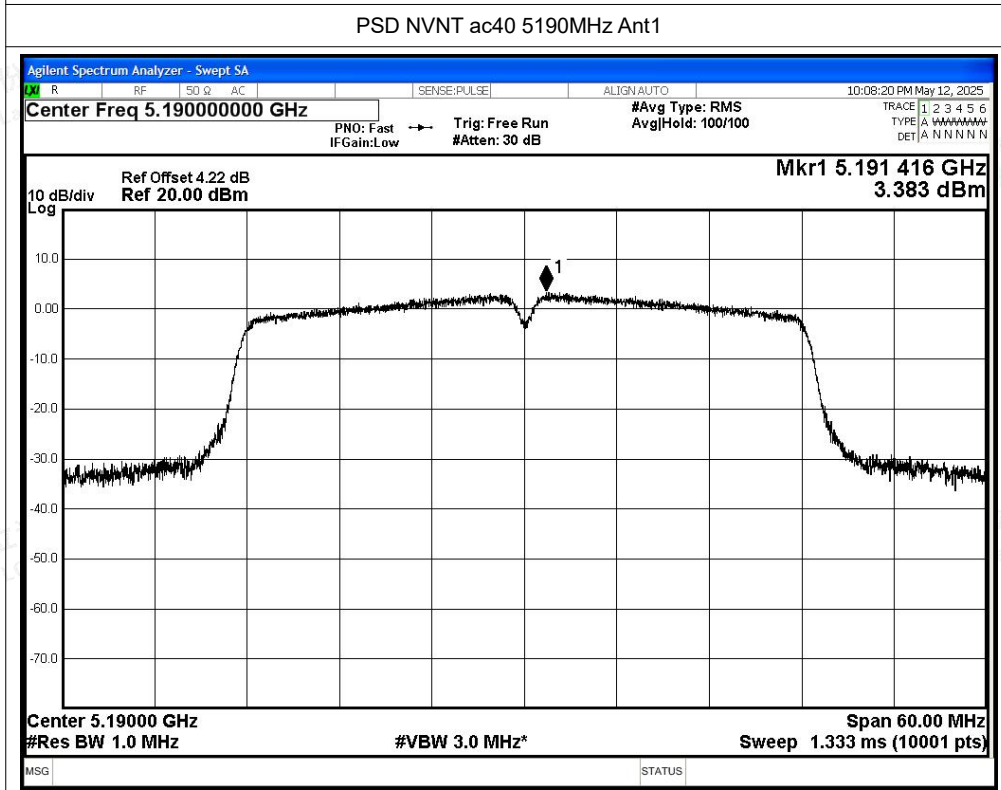
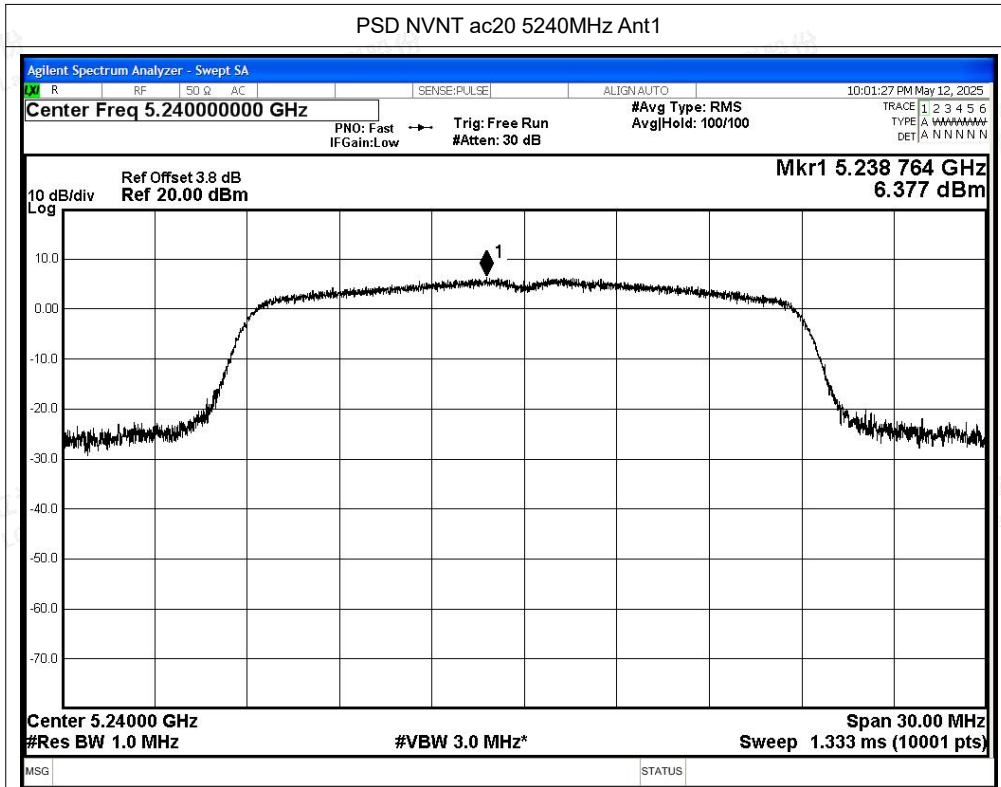


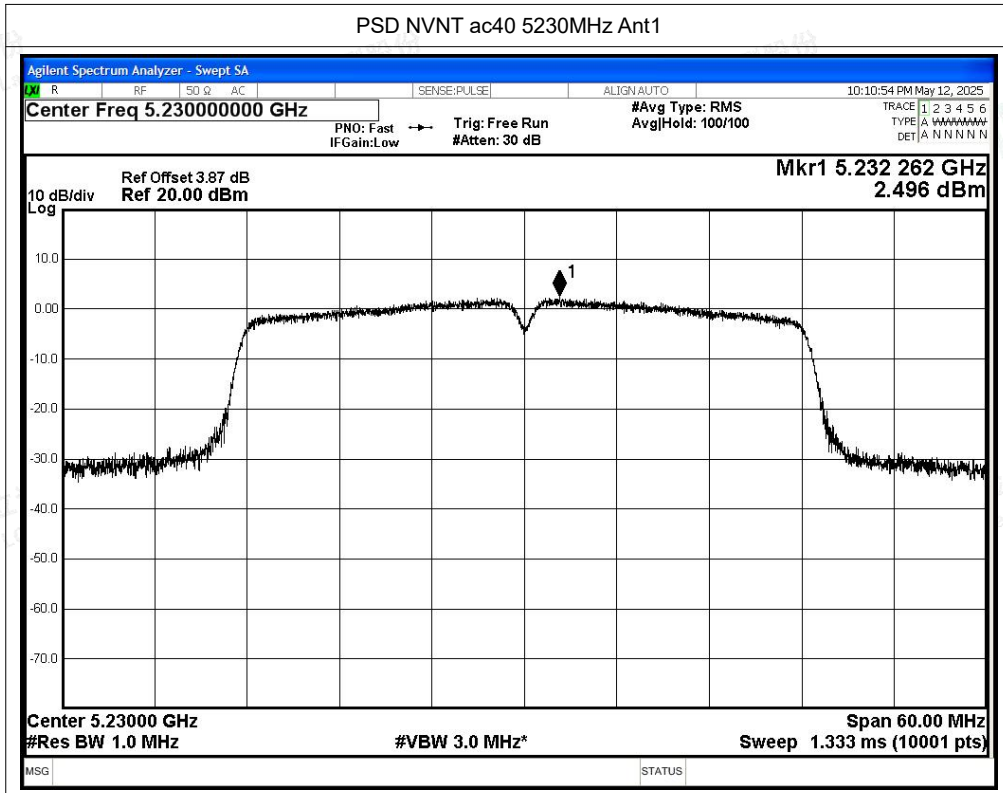
















## D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-49.32	2.0	-	46.53	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-57.74	2.0	0.13	38.97	Average	54	Pass
NVNT	a	5180	Ant1	5146.1	-40.05	2.0	-	51.72	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-51.13	2.0	0.13	42.10	Average	54	Pass
NVNT	a	5180	Ant1	5150	-38.71	2.0	-	49.6	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-51.56	2.0	0.13	42.17	Average	54	Pass
NVNT	a	5240	Ant1	5350	-46.79	2.0	-	47.35	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-55.04	2.0	0.13	39.99	Average	54	Pass
NVNT	a	5240	Ant1	5363.52	-44.56	2.0	-	50.7	Peak	68.2	Pass
NVNT	a	5240	Ant1	5352	-54.44	2.0	0.13	40.83	Average	54	Pass
NVNT	a	5240	Ant1	5460	-48.3	2.0	-	48.31	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.12	2.0	0.13	39.85	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-47.05	2.0	-	48.71	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-57.65	2.0	0.14	39.60	Average	54	Pass
NVNT	n20	5180	Ant1	5148.9	-32.32	2.0	-	54.84	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5148.9	-50.24	2.0	0.14	42.38	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-42.23	2.0	-	52.6	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-49.96	2.0	0.14	43.44	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-46.84	2.0	-	48.24	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-54.9	2.0	0.14	40.16	Average	54	Pass
NVNT	n20	5240	Ant1	5364.96	-44.84	2.0	-	50.55	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350.56	-54.67	2.0	0.14	40.94	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.53	2.0	-	49.97	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-57.02	2.0	0.14	40.39	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-49.33	2.0	-	46.94	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-58.09	2.0	0.29	39.15	Average	54	Pass
NVNT	n40	5190	Ant1	5148.24	-32.79	2.0	-	53.08	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5148.97	-44.4	2.0	0.29	42.99	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-33.11	2.0	-	50.59	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-46.14	2.0	0.29	42.27	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-45.82	2.0	-	48.51	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-54.88	2.0	0.29	40.61	Average	54	Pass
NVNT	n40	5230	Ant1	5362.8	-43.49	2.0	-	51.08	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5357.67	-54.22	2.0	0.29	40.81	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-48.68	2.0	-	49.57	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-56.97	2.0	0.29	40.34	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-47.92	2.0	-	47.27	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-57.9	2.0	0.15	39.53	Average	54	Pass



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



NVNT	ac20	5180	Ant1	5148.2	-32.51	2.0	-	53.39	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-43.75	2.0	0.15	43.40	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-32.24	2.0	-	55.3	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-43.37	2.0	0.15	43.14	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-47.53	2.0	-	49.47	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-54.94	2.0	0.14	40.08	Average	54	Pass
NVNT	ac20	5240	Ant1	5350.8	-45.11	2.0	-	50.64	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5367.6	-54.74	2.0	0.14	41.17	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-46.89	2.0	-	47.98	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-57.05	2.0	0.14	39.81	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-49.03	2.0	-	47.58	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-57.85	2.0	0.28	40.10	Average	54	Pass
NVNT	ac40	5190	Ant1	5149.7	-31.73	2.0	-	53.27	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5148.97	-46.78	2.0	0.28	42.95	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-31.73	2.0	-	50.51	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-47.09	2.0	0.28	42.13	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-45.96	2.0	-	49.19	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-54.48	2.0	0.28	40.56	Average	54	Pass
NVNT	ac40	5230	Ant1	5355.78	-43.97	2.0	-	50.58	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350.38	-54.09	2.0	0.28	41.15	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-48.15	2.0	-	39.58	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-56.93	2.0	0.28	46.81	Average	54	Pass

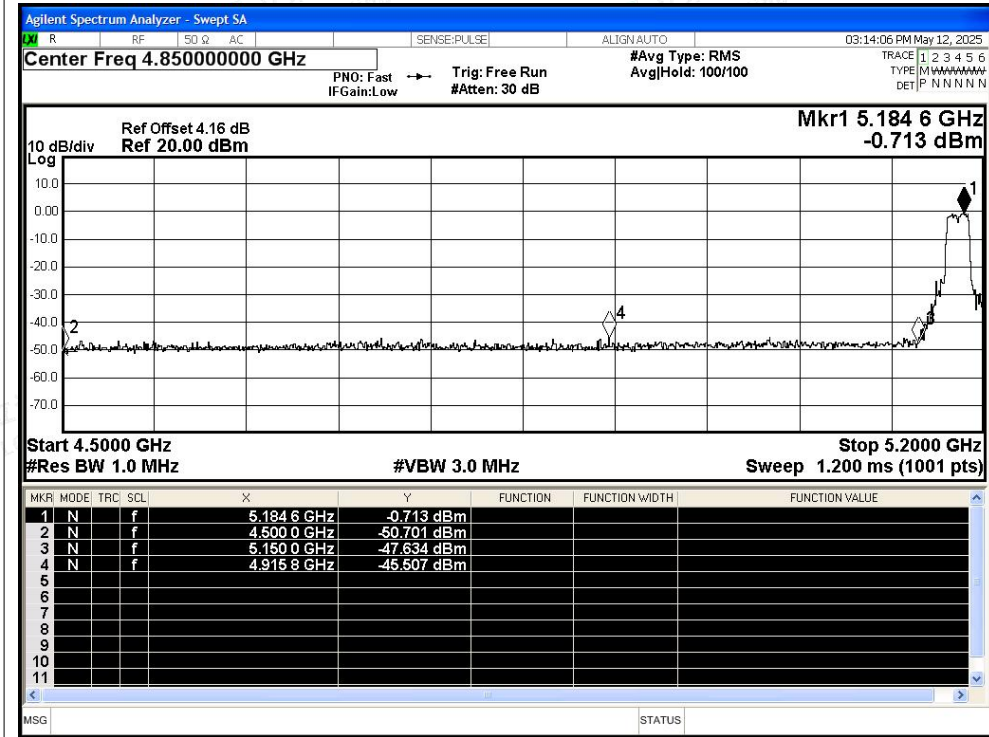


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

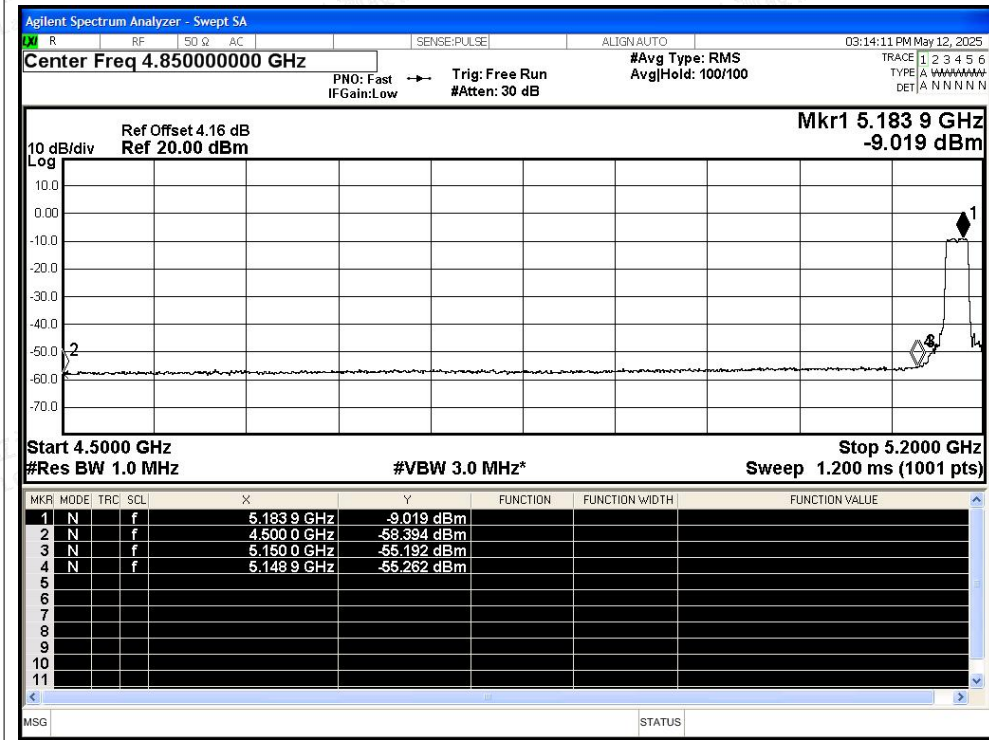


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak

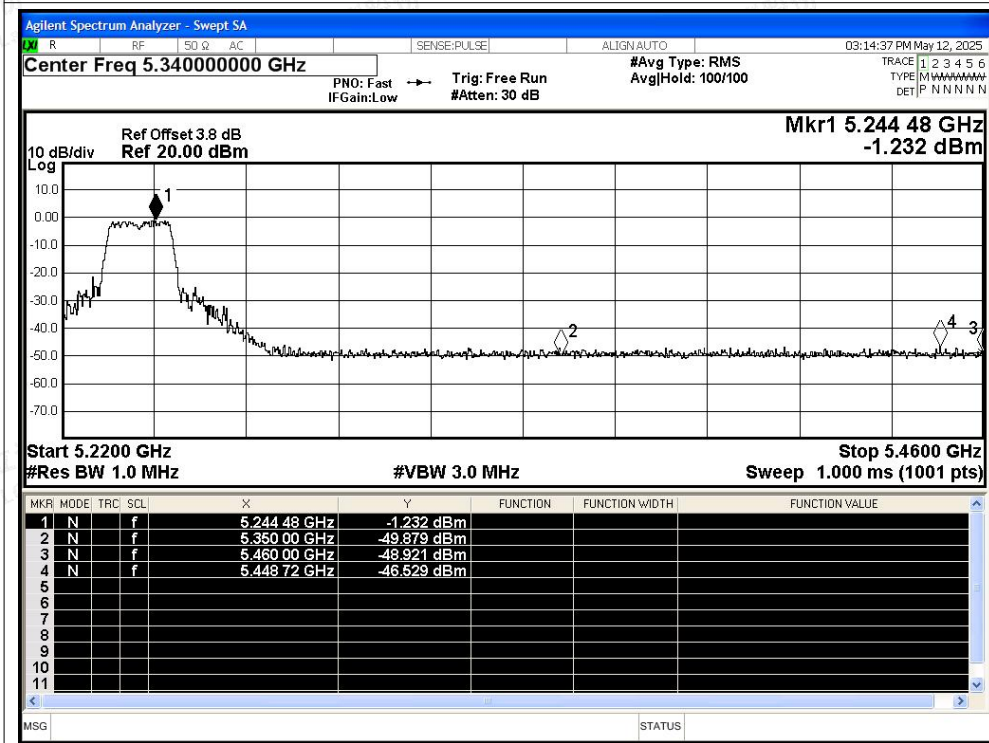


Restrict Band NVNT a 5180MHz Ant1 Average

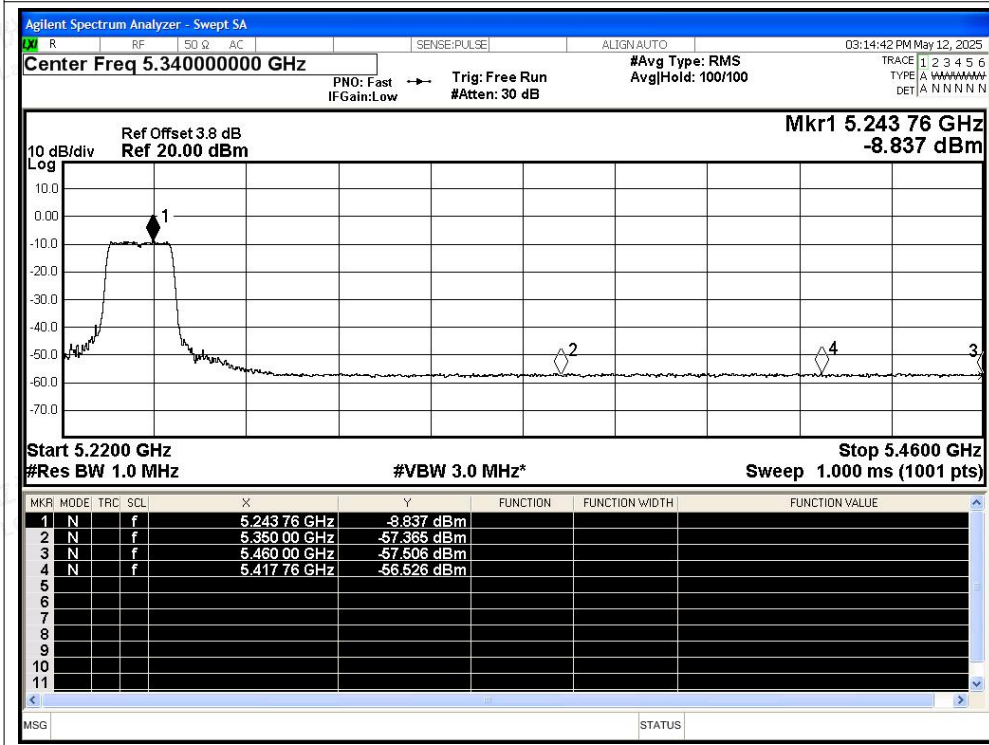




Restrict Band NVNT a 5240MHz Ant1 Peak

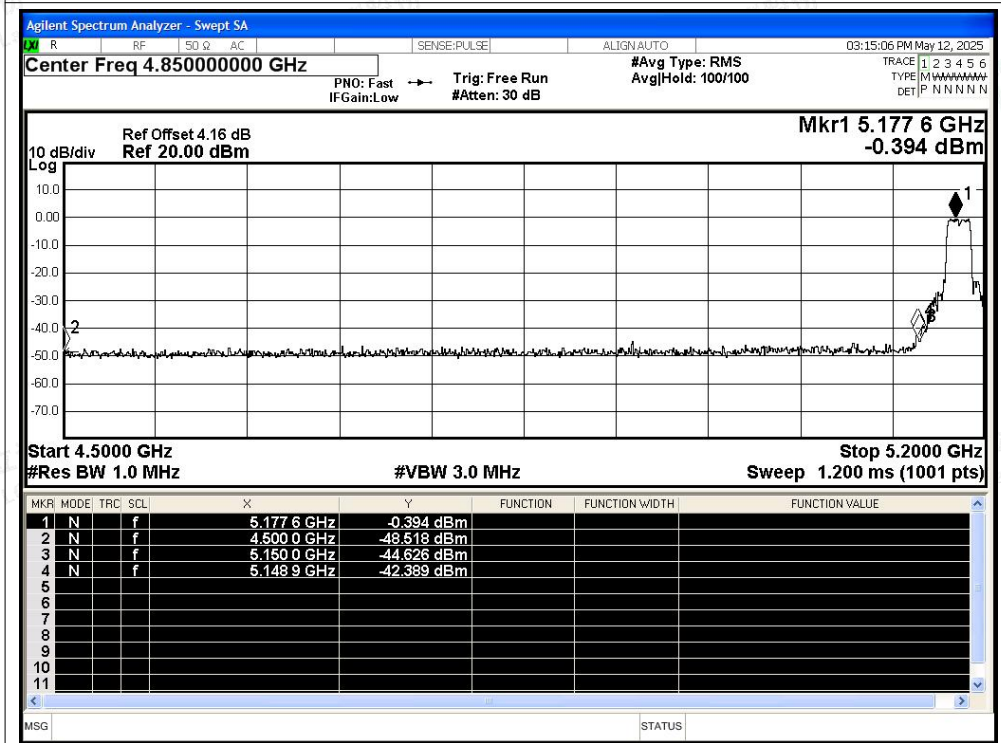


Restrict Band NVNT a 5240MHz Ant1 Average

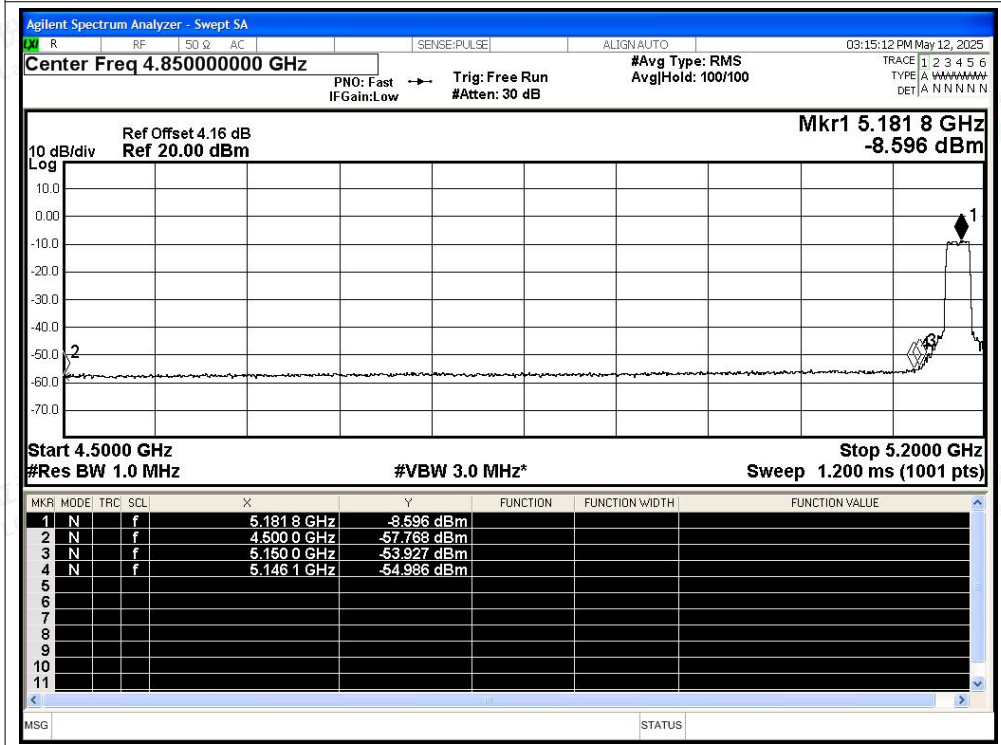




Restrict Band NVNT n20 5180MHz Ant1 Peak



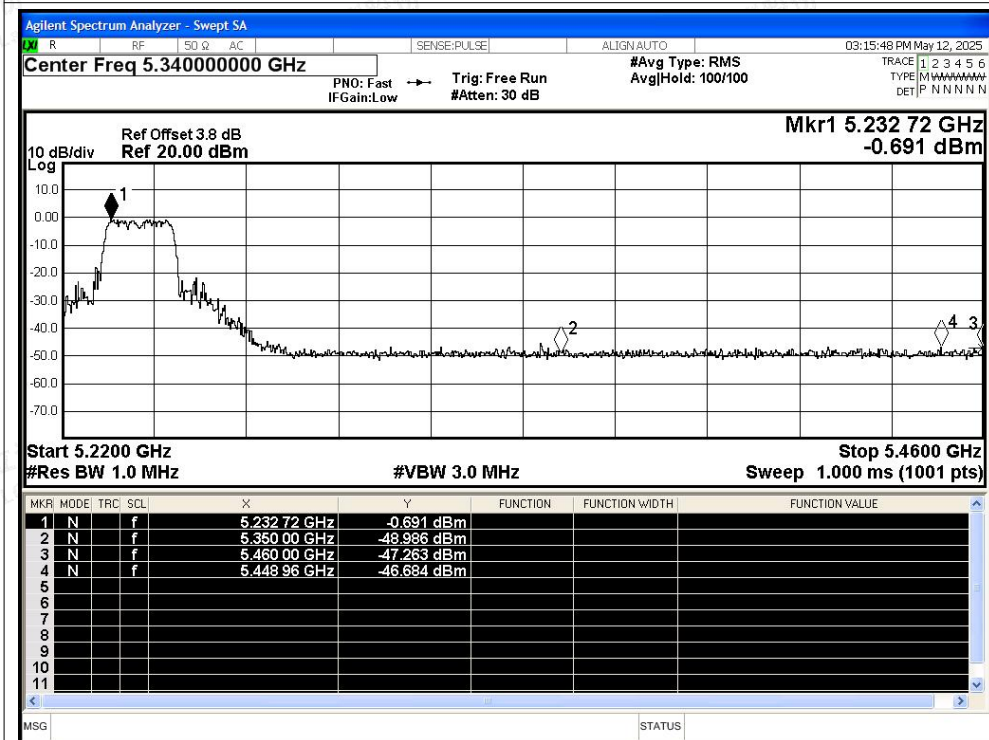
Restrict Band NVNT n20 5180MHz Ant1 Average



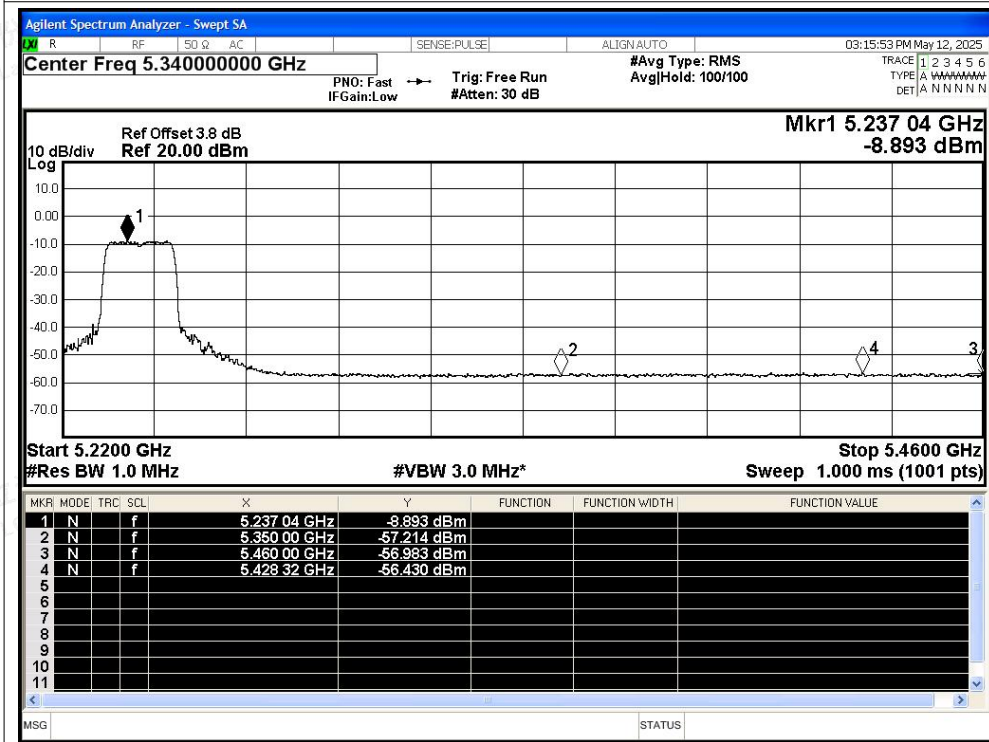




Restrict Band NVNT n20 5240MHz Ant1 Peak

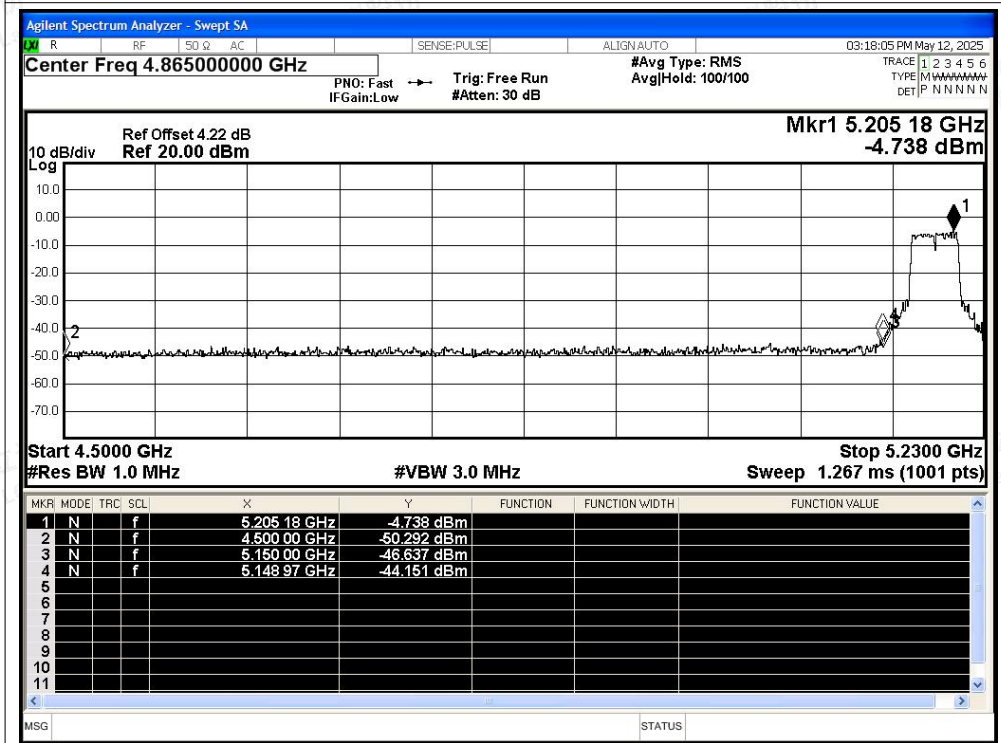


Restrict Band NVNT n20 5240MHz Ant1 Average

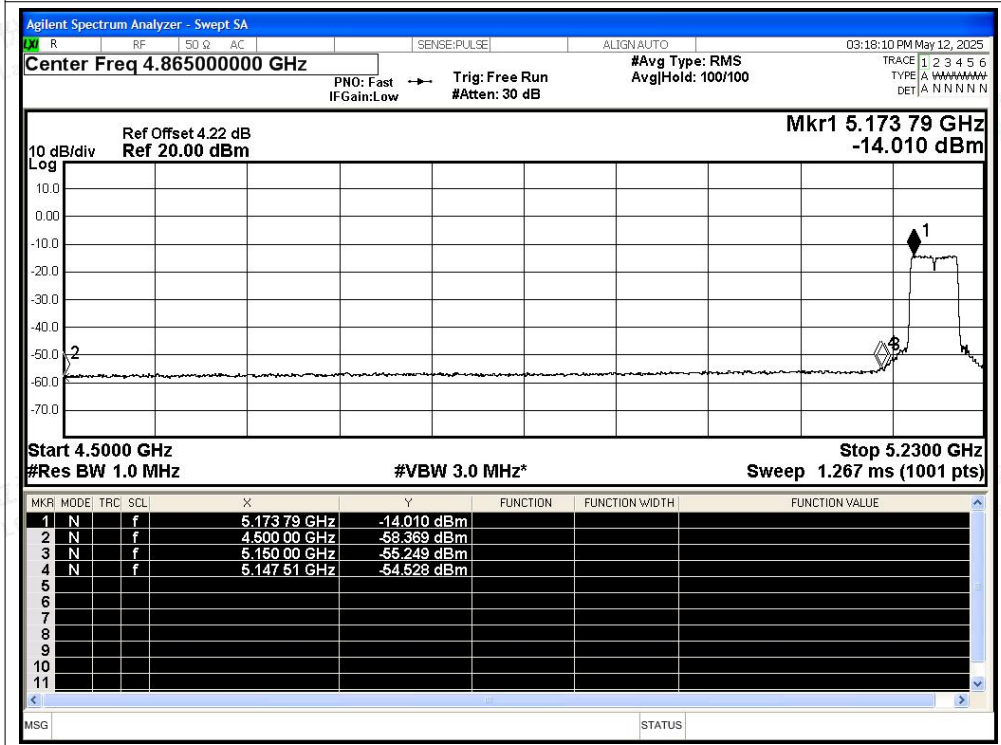




Restrict Band NVNT n40 5190MHz Ant1 Peak

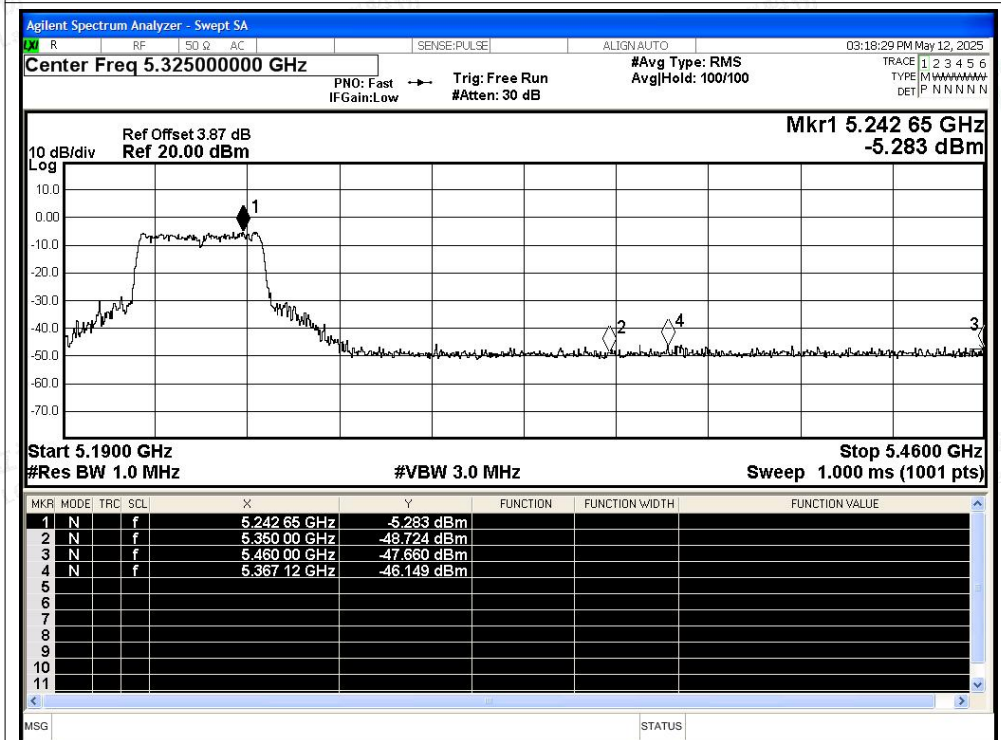


Restrict Band NVNT n40 5190MHz Ant1 Average





Restrict Band NVNT n40 5230MHz Ant1 Peak



Restrict Band NVNT n40 5230MHz Ant1 Average

