



Appendix C

RF Test Data for 5.3GWIFI(Conducted Measurement)

Product Name: SFO1

Test Model: SFO1

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





C.1 -26dB Bandwidth

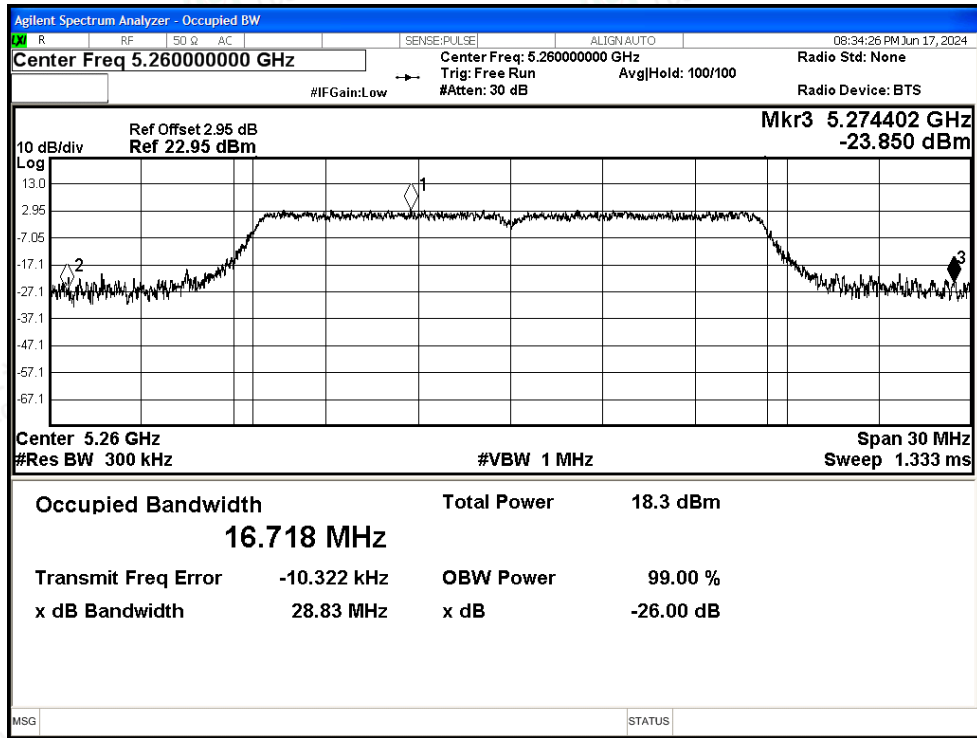
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant	28.825	---	Pass
NVNT	a	5300	Ant	26.375	---	Pass
NVNT	a	5320	Ant	28.778	---	Pass
NVNT	n20	5260	Ant	27.119	---	Pass
NVNT	n20	5300	Ant	28.377	---	Pass
NVNT	n20	5320	Ant	25.934	---	Pass
NVNT	n40	5270	Ant	39.209	---	Pass
NVNT	n40	5310	Ant	44.607	---	Pass
NVNT	ac20	5260	Ant	28.388	---	Pass
NVNT	ac20	5300	Ant	29.141	---	Pass
NVNT	ac20	5320	Ant	28.941	---	Pass
NVNT	ac40	5270	Ant	39.459	---	Pass
NVNT	ac40	5310	Ant	44.214	---	Pass
NVNT	ac80	5290	Ant	79.519	---	Pass



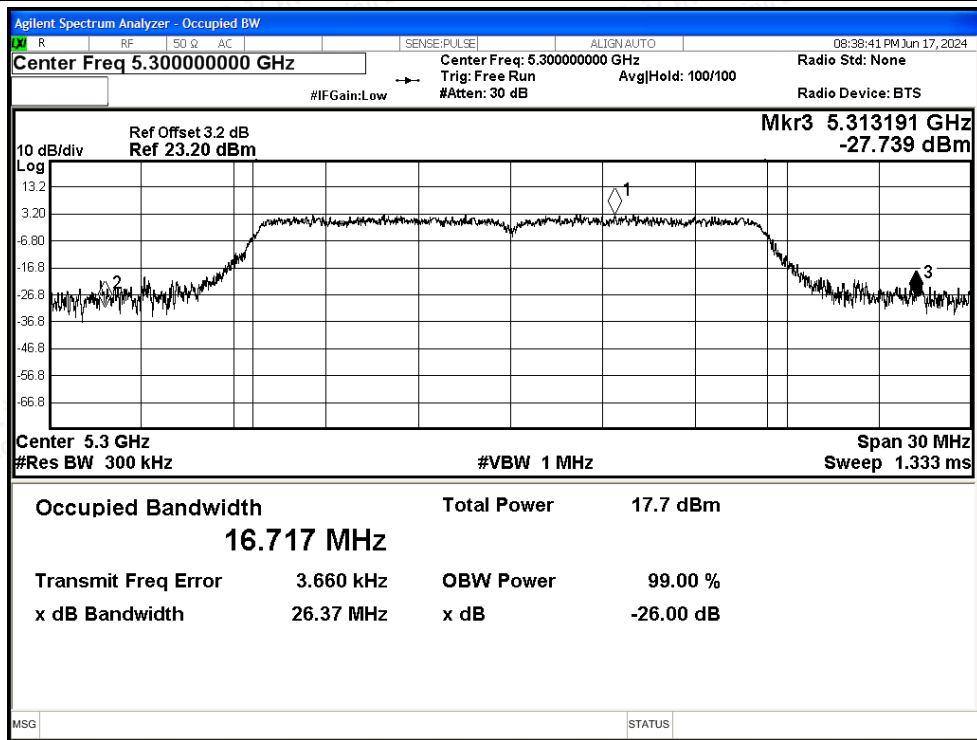


Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant

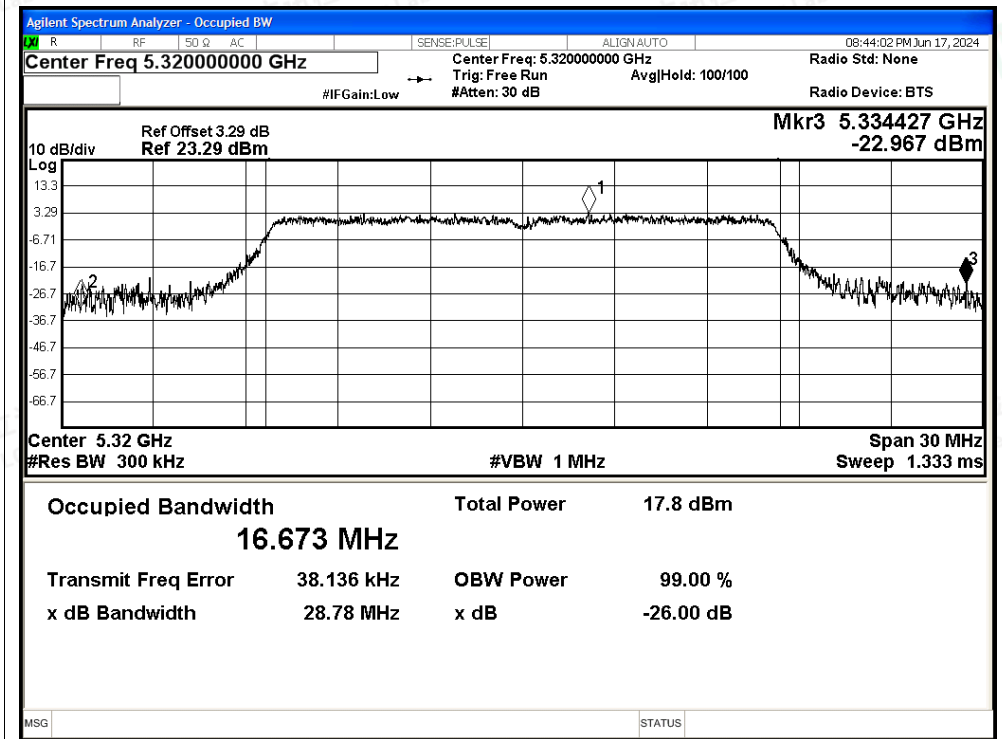


-26dB Bandwidth NVNT a 5300MHz Ant

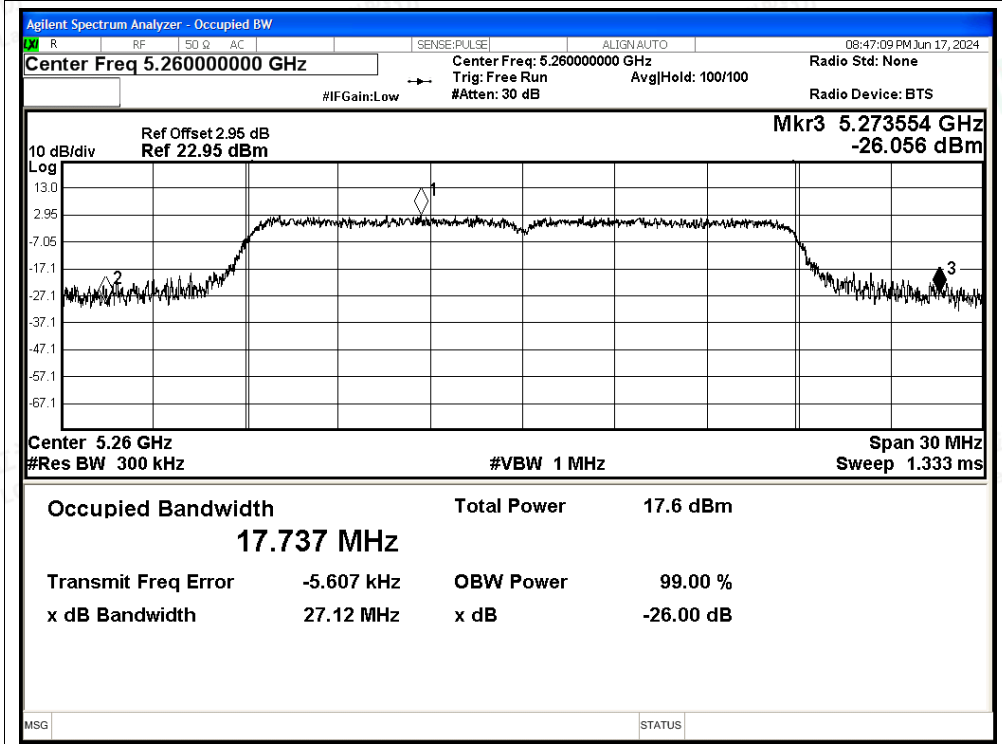




-26dB Bandwidth NVNT a 5320MHz Ant

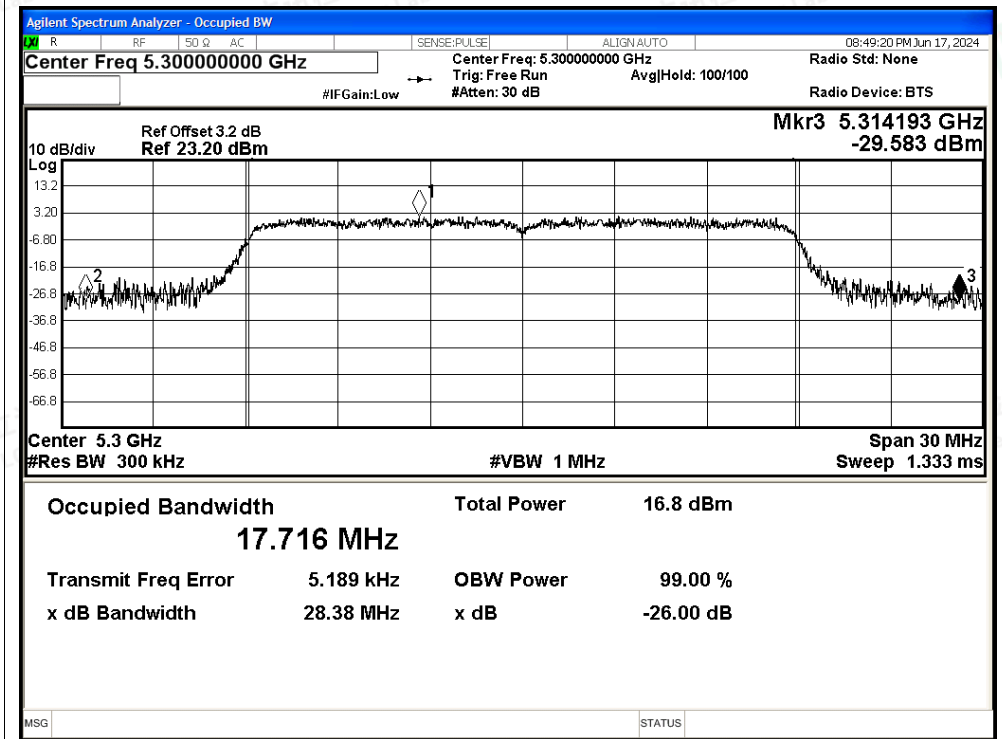


-26dB Bandwidth NVNT n20 5260MHz Ant

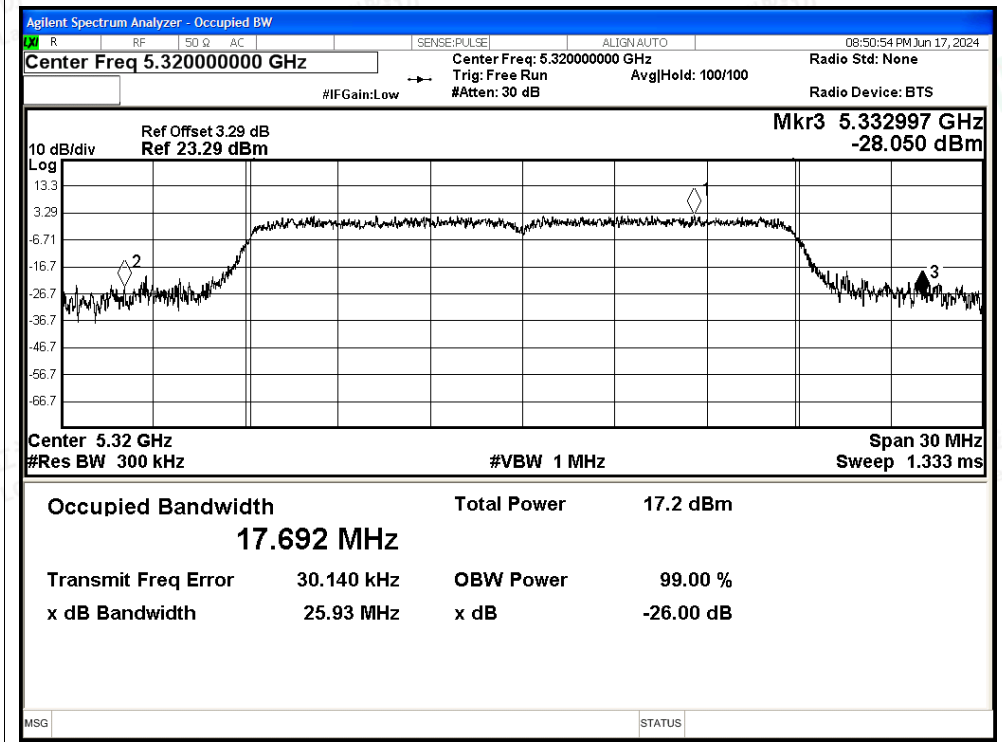




-26dB Bandwidth NVNT n20 5300MHz Ant

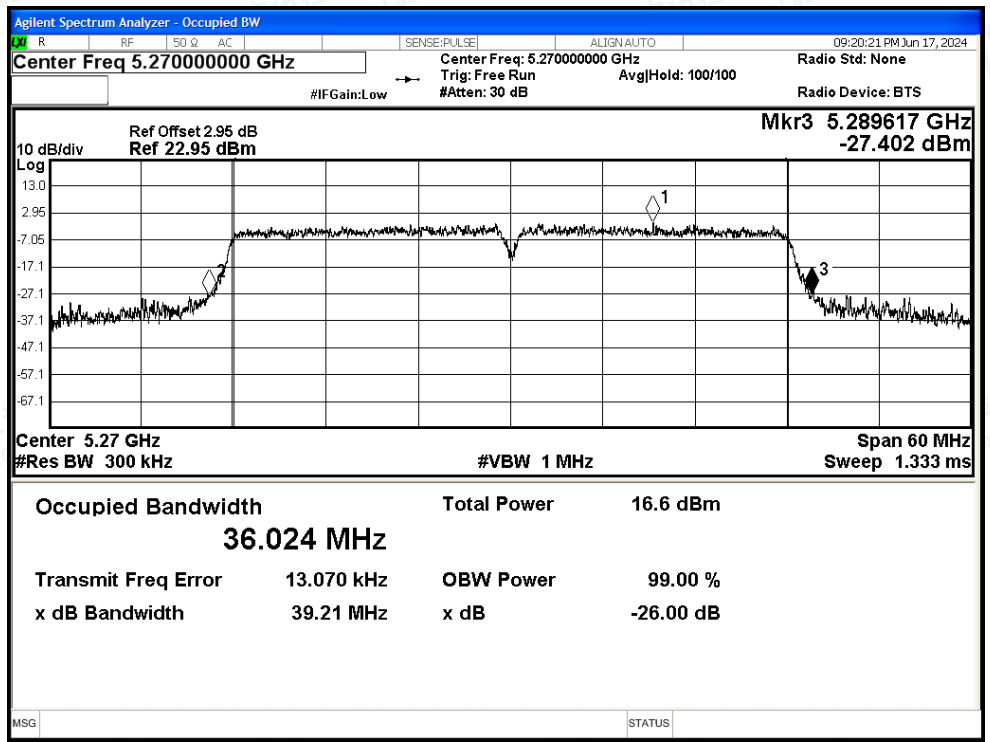


-26dB Bandwidth NVNT n20 5320MHz Ant

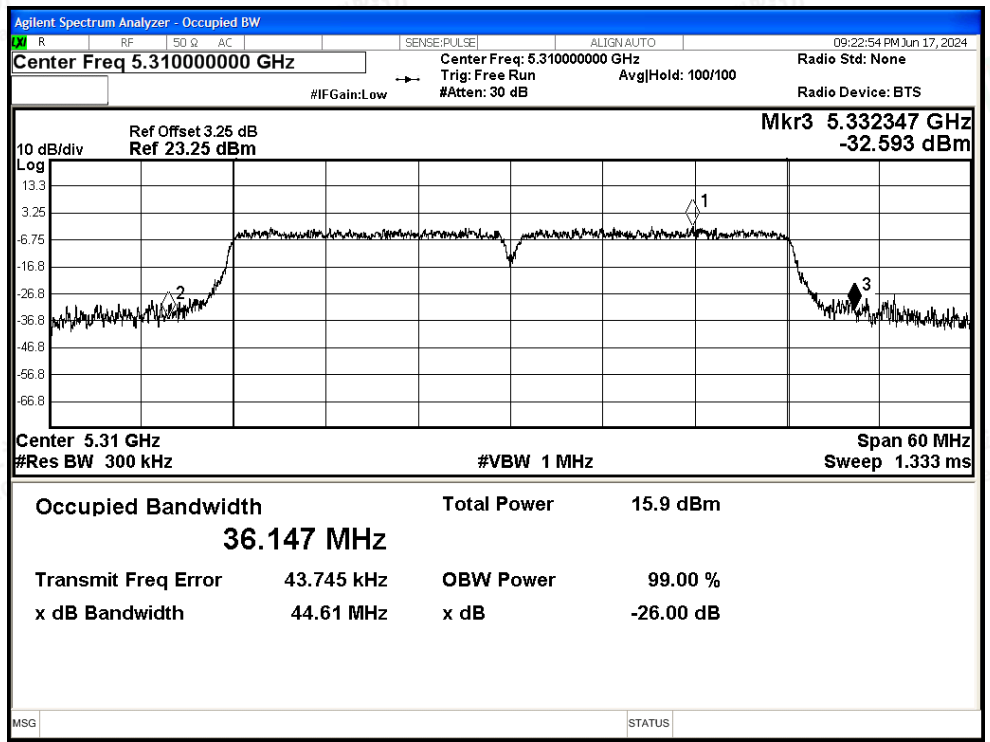




-26dB Bandwidth NVNT n40 5270MHz Ant

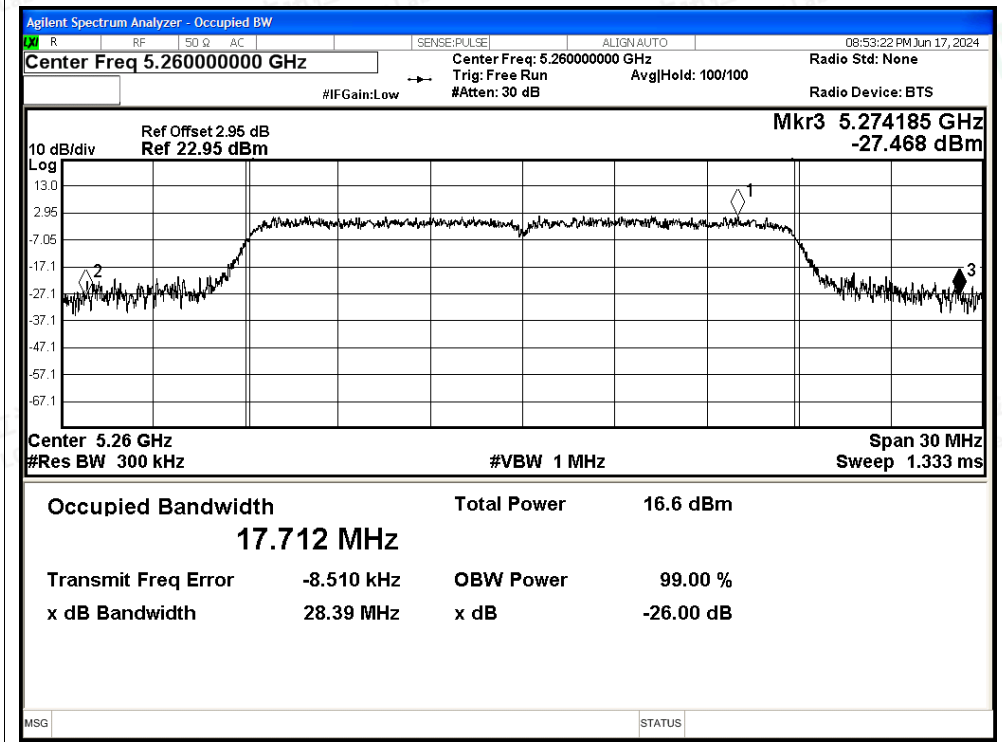


-26dB Bandwidth NVNT n40 5310MHz Ant

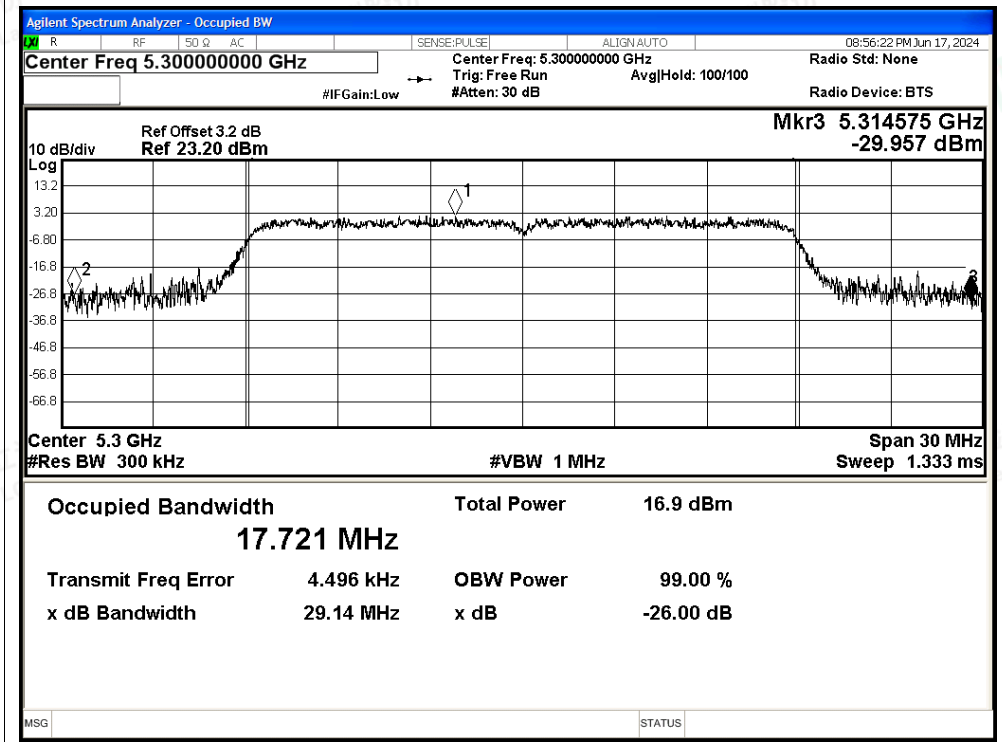




-26dB Bandwidth NVNT ac20 5260MHz Ant

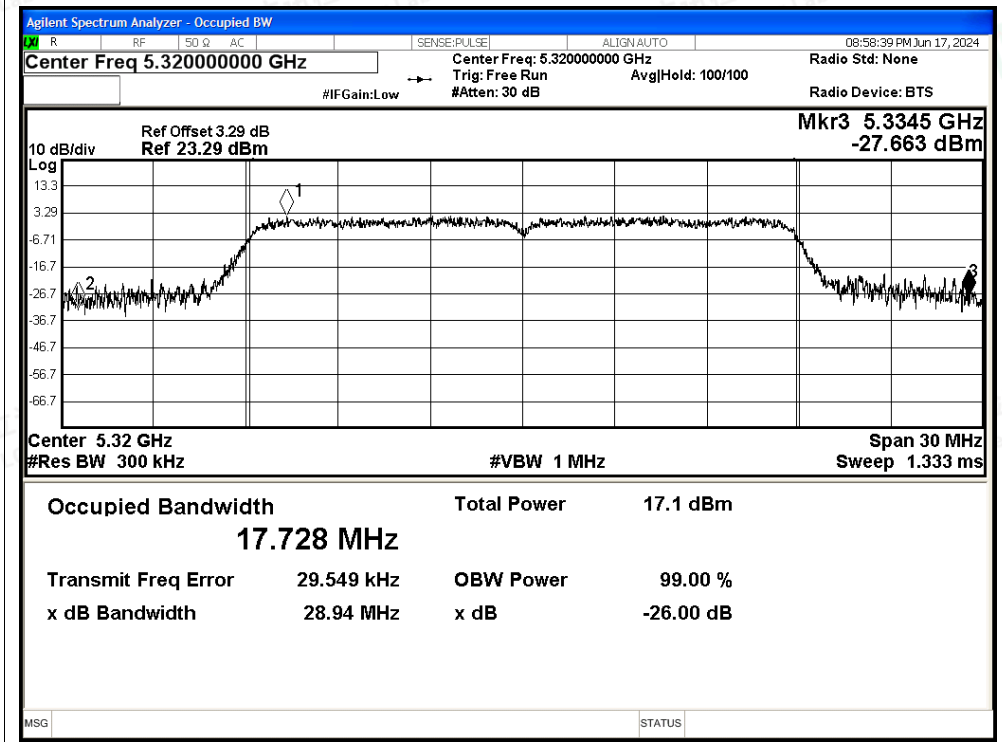


-26dB Bandwidth NVNT ac20 5300MHz Ant

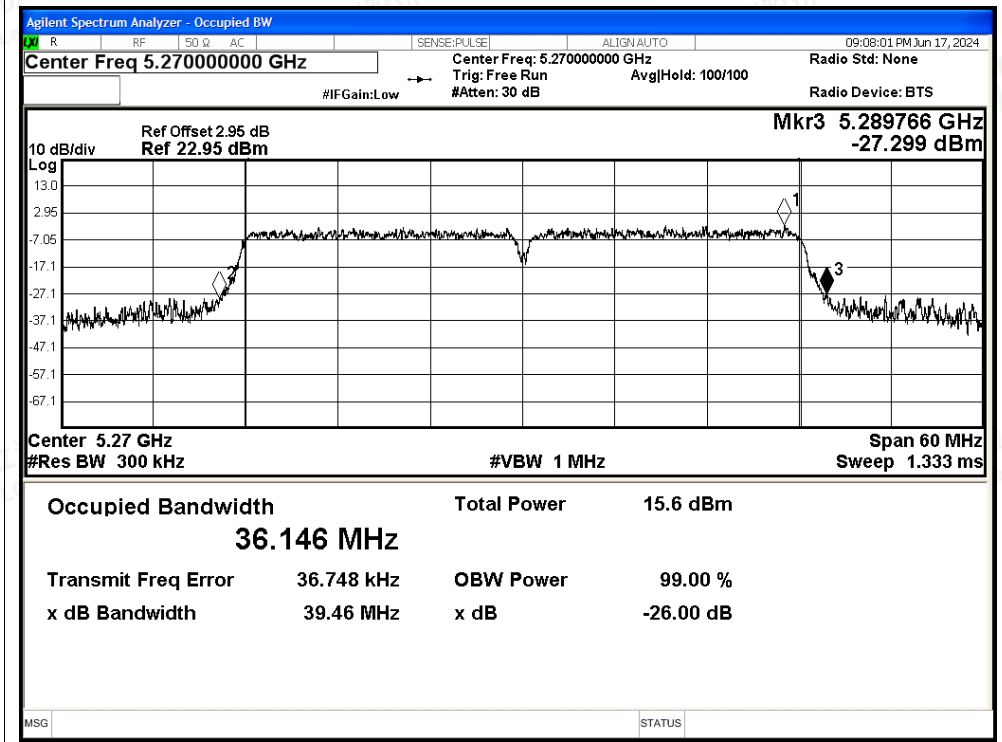




-26dB Bandwidth NVNT ac20 5320MHz Ant

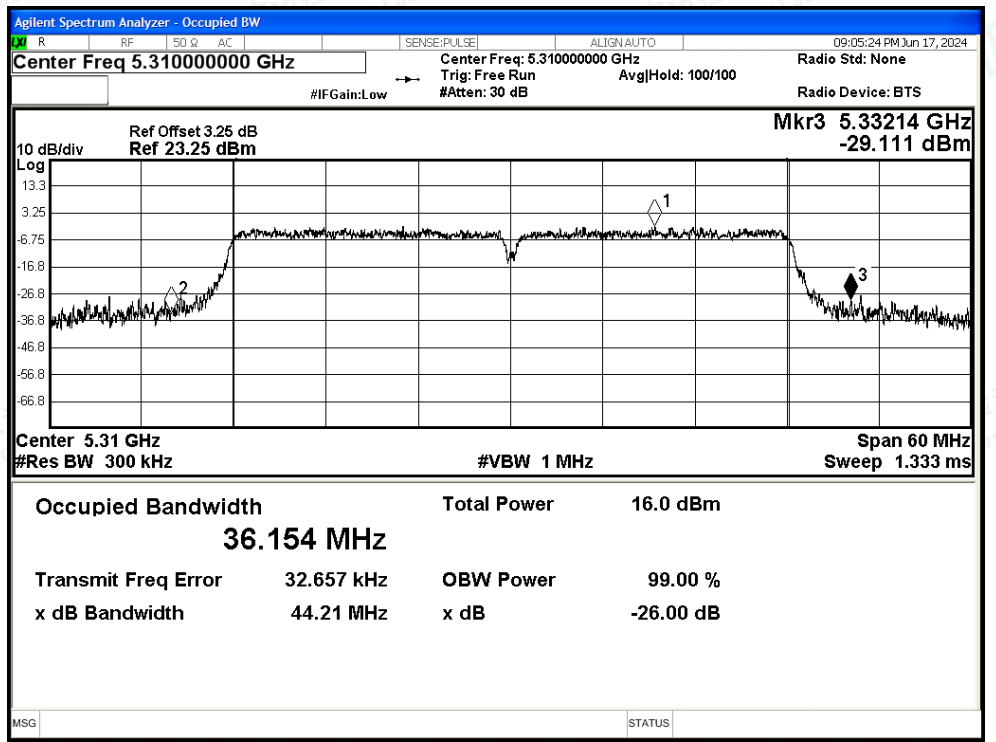


-26dB Bandwidth NVNT ac40 5270MHz Ant

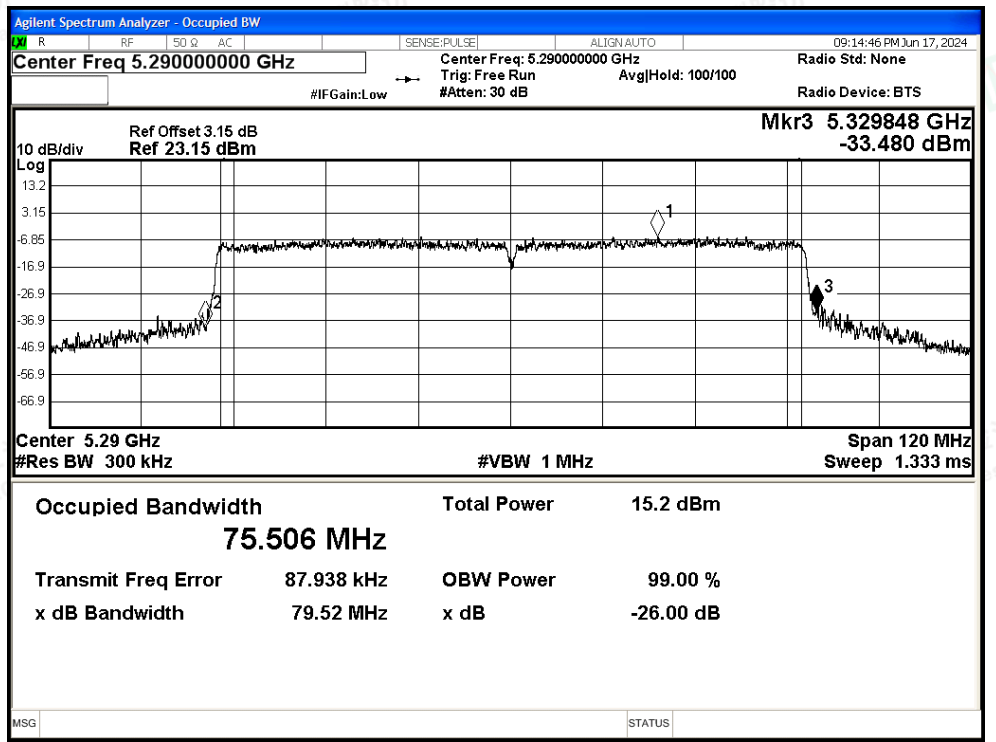




-26dB Bandwidth NVNT ac40 5310MHz Ant



-26dB Bandwidth NVNT ac80 5290MHz Ant





C.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant	17.81	0.24	18.05	24	Pass
NVNT	a	5300	Ant	17.80	0.24	18.04	24	Pass
NVNT	a	5320	Ant	17.14	0.24	17.38	24	Pass
NVNT	n20	5260	Ant	17.20	0.28	17.48	24	Pass
NVNT	n20	5300	Ant	17.39	0.28	17.67	24	Pass
NVNT	n20	5320	Ant	17.75	0.28	18.03	24	Pass
NVNT	n40	5270	Ant	17.06	0.12	17.18	24	Pass
NVNT	n40	5310	Ant	17.54	0.12	17.66	24	Pass
NVNT	ac20	5260	Ant	17.84	0.28	18.12	24	Pass
NVNT	ac20	5300	Ant	17.40	0.28	17.68	24	Pass
NVNT	ac20	5320	Ant	17.34	0.28	17.62	24	Pass
NVNT	ac40	5270	Ant	17.27	0.12	17.39	24	Pass
NVNT	ac40	5310	Ant	17.91	0.12	18.03	24	Pass
NVNT	ac80	5290	Ant	17.64	0.25	17.89	24	Pass





C.3 Maximum Power Spectral Density Level

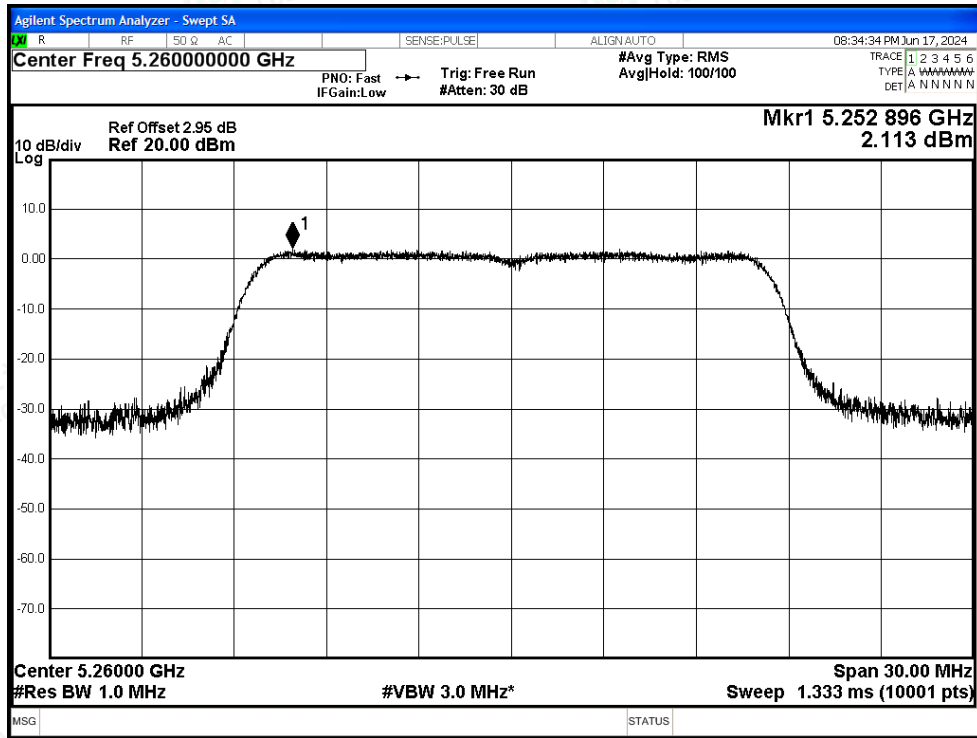
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5260	Ant	2.11	0.24	2.35	11	Pass
NVNT	a	5300	Ant	2.35	0.24	2.59	11	Pass
NVNT	a	5320	Ant	1.7	0.24	1.94	11	Pass
NVNT	n20	5260	Ant	1.04	0.28	1.32	11	Pass
NVNT	n20	5300	Ant	0.53	0.28	0.81	11	Pass
NVNT	n20	5320	Ant	0.77	0.28	1.05	11	Pass
NVNT	n40	5270	Ant	-2.36	0.12	-2.24	11	Pass
NVNT	n40	5310	Ant	-3.29	0.12	-3.17	11	Pass
NVNT	ac20	5260	Ant	1.4	0.28	1.68	11	Pass
NVNT	ac20	5300	Ant	0.49	0.28	0.77	11	Pass
NVNT	ac20	5320	Ant	0.88	0.28	1.16	11	Pass
NVNT	ac40	5270	Ant	-3.98	0.12	-3.86	11	Pass
NVNT	ac40	5310	Ant	-3.56	0.12	-3.44	11	Pass
NVNT	ac80	5290	Ant	-7.75	0.25	-7.5	11	Pass



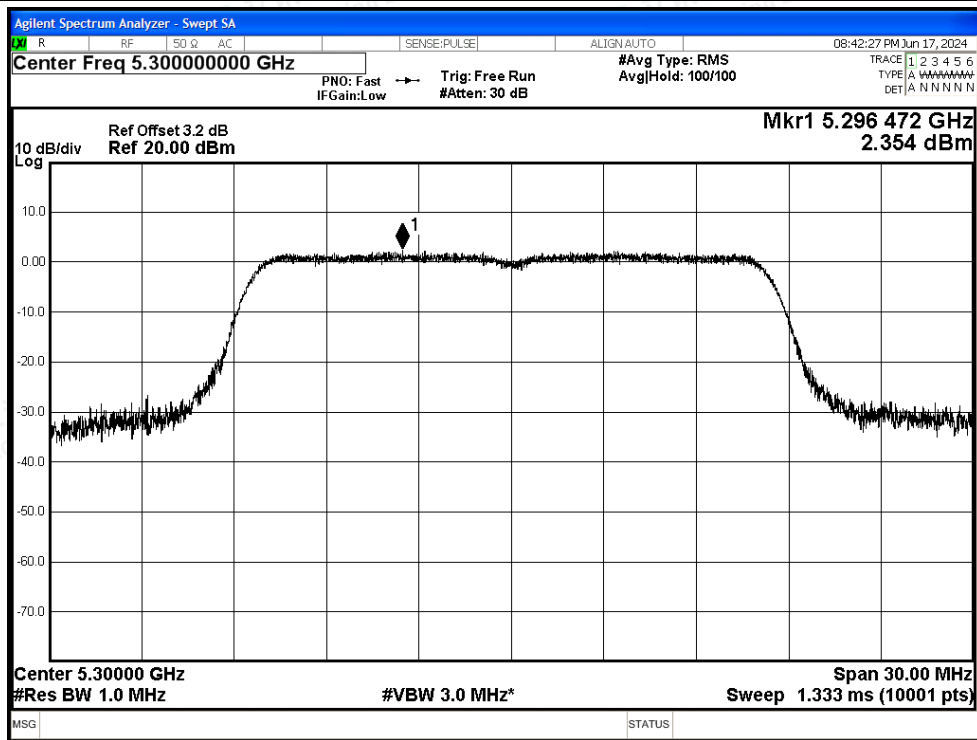


Test Graphs

PSD NVNT a 5260MHz Ant

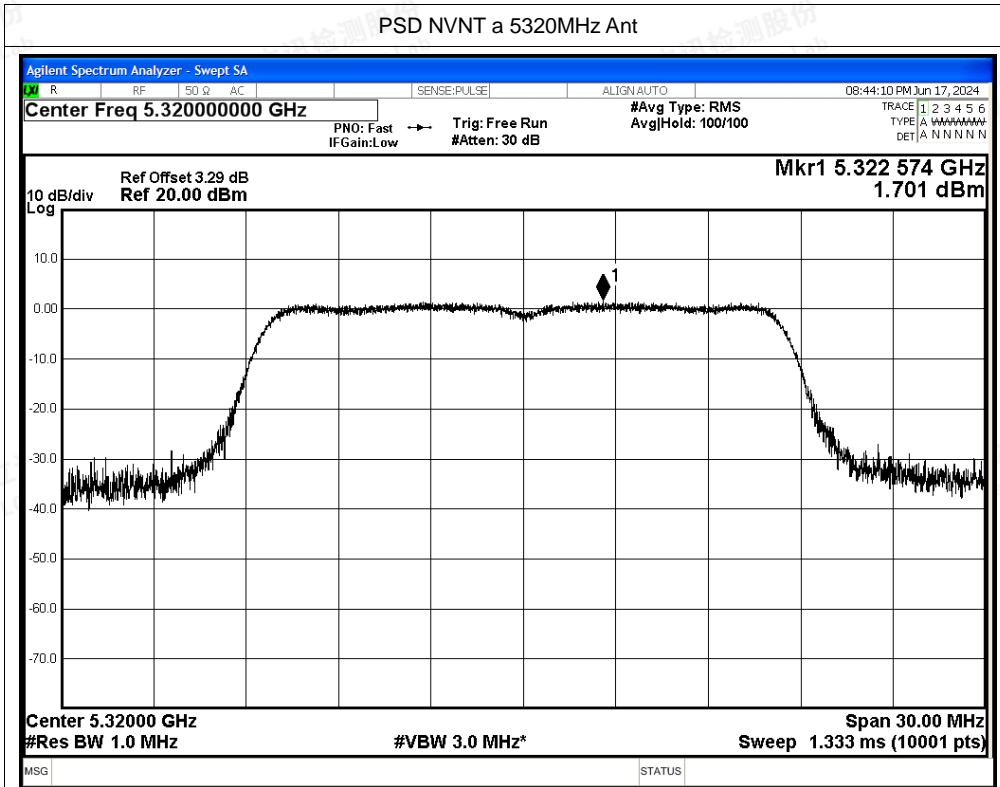


PSD NVNT a 5300MHz Ant

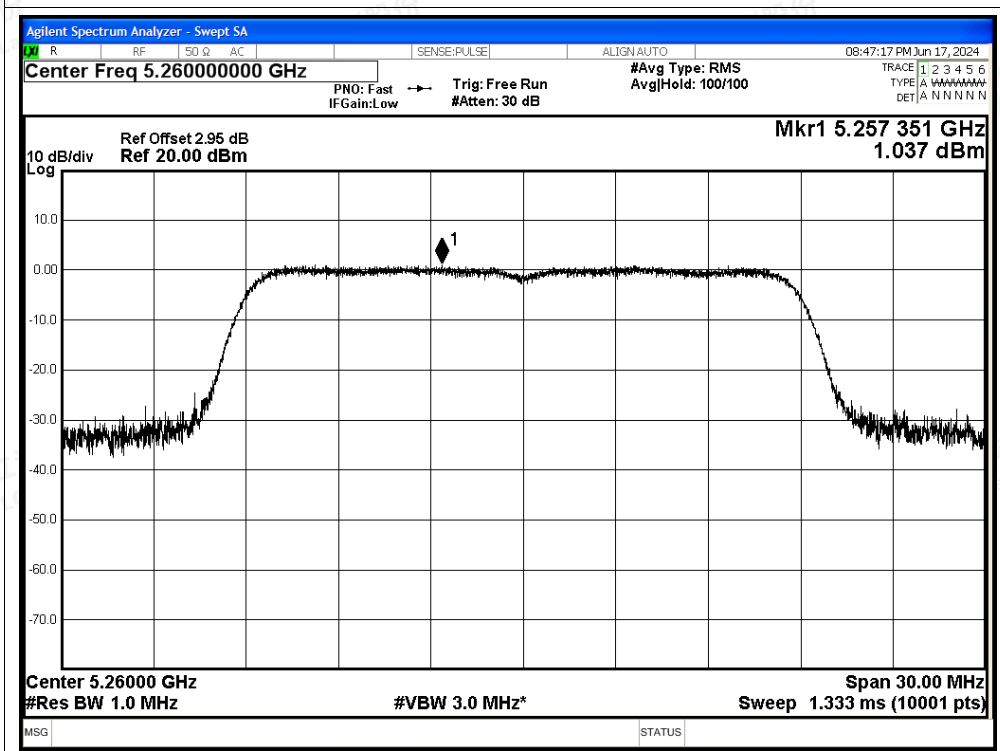


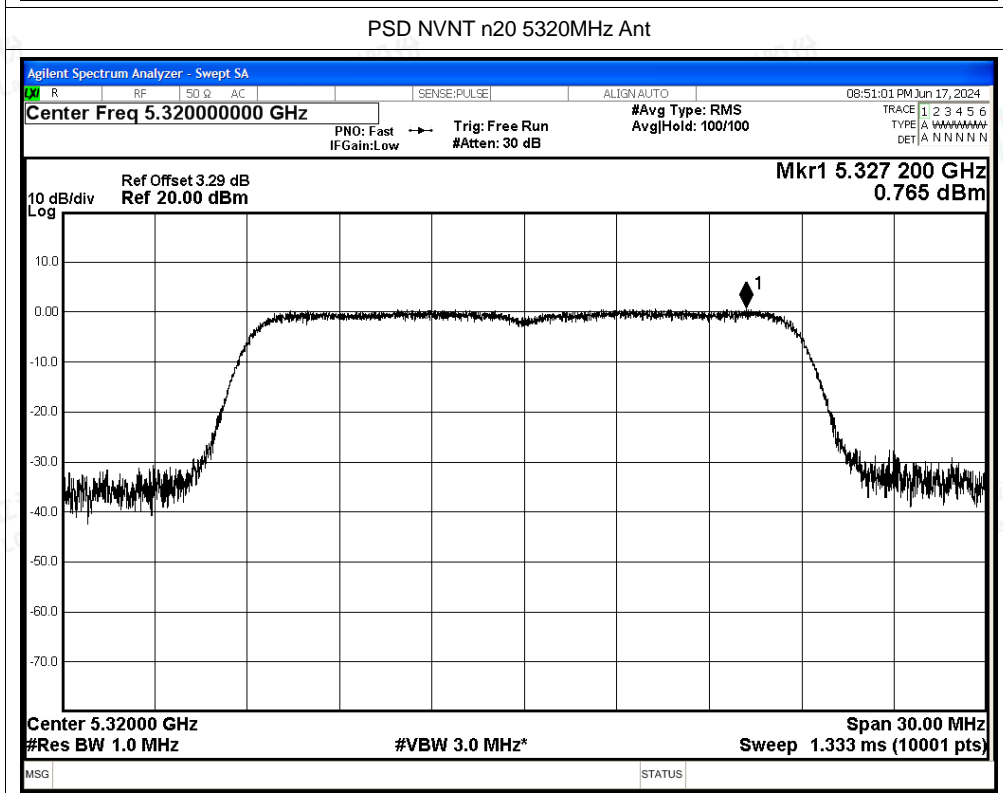
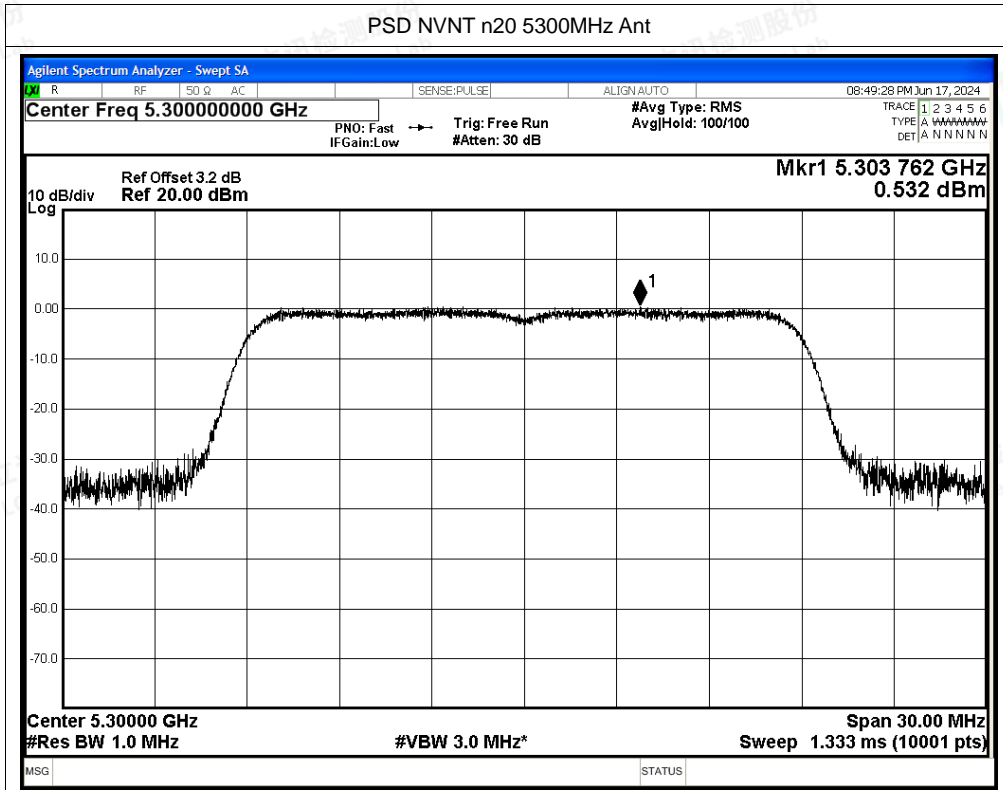


PSD NVNT a 5320MHz Ant



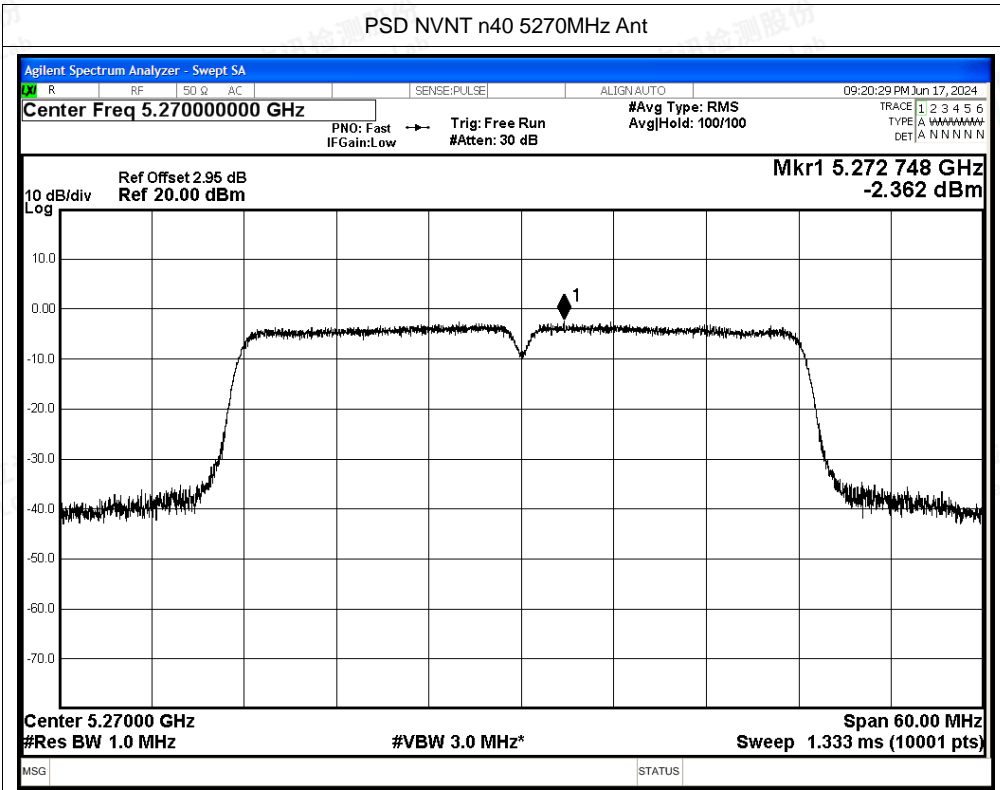
PSD NVNT n20 5260MHz Ant



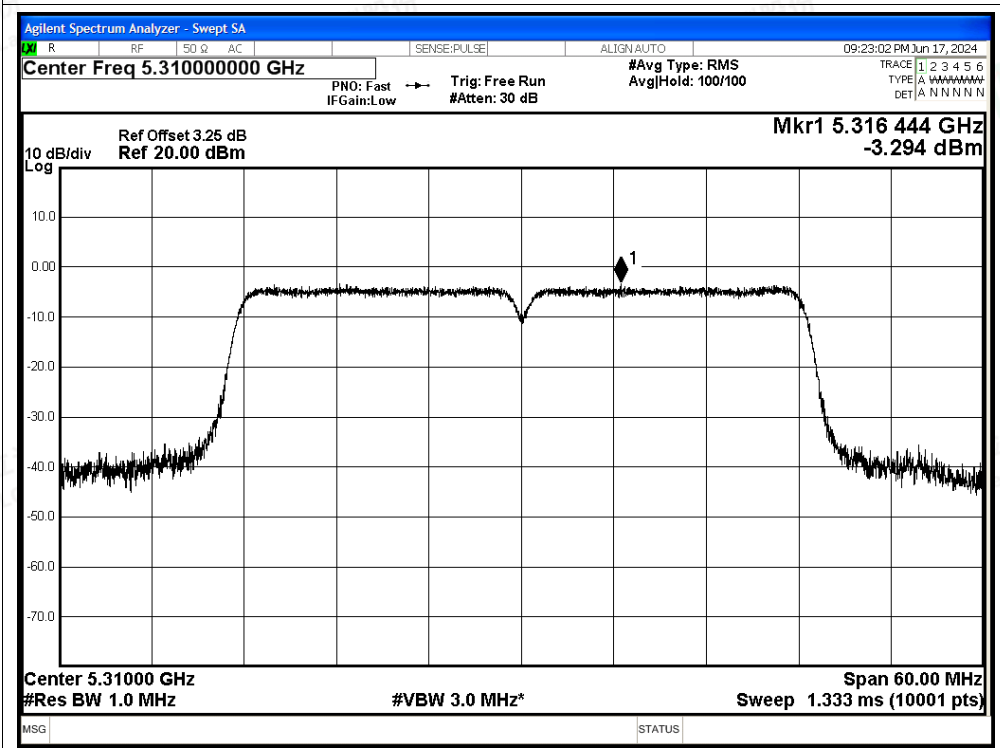


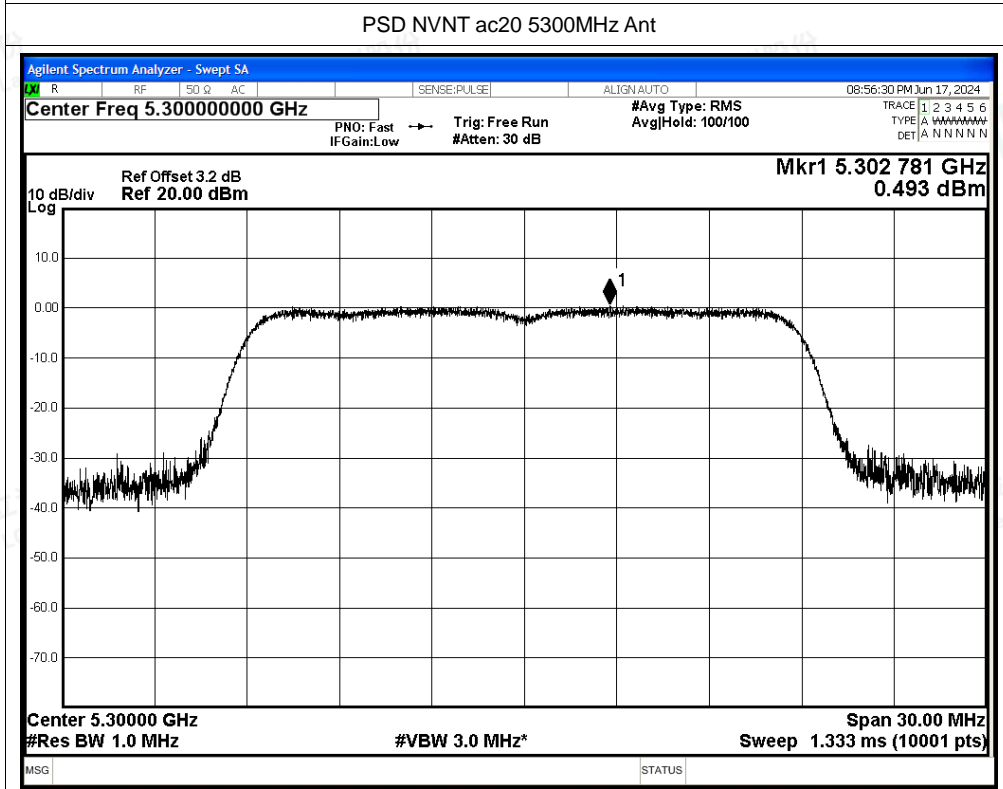
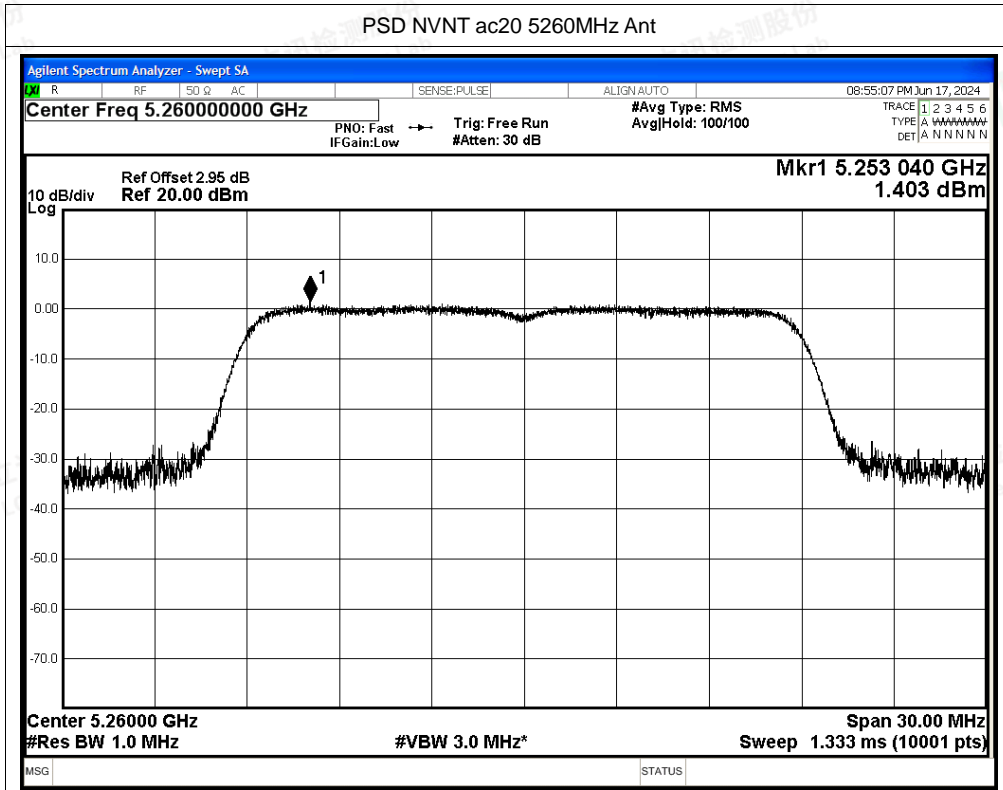


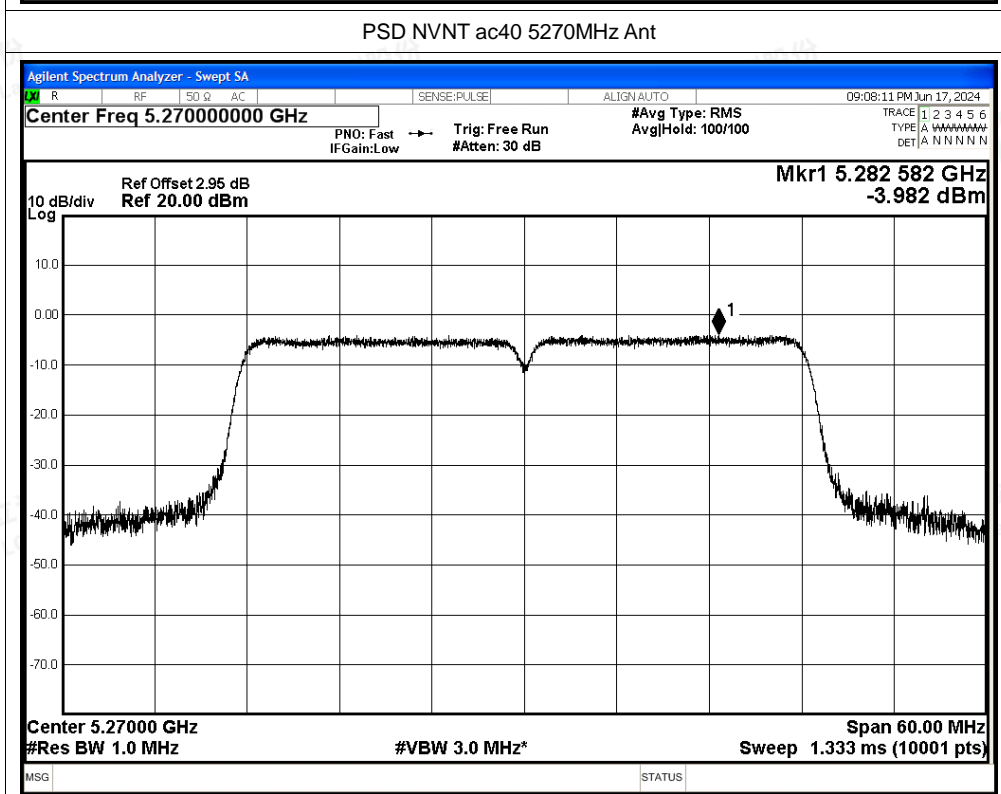
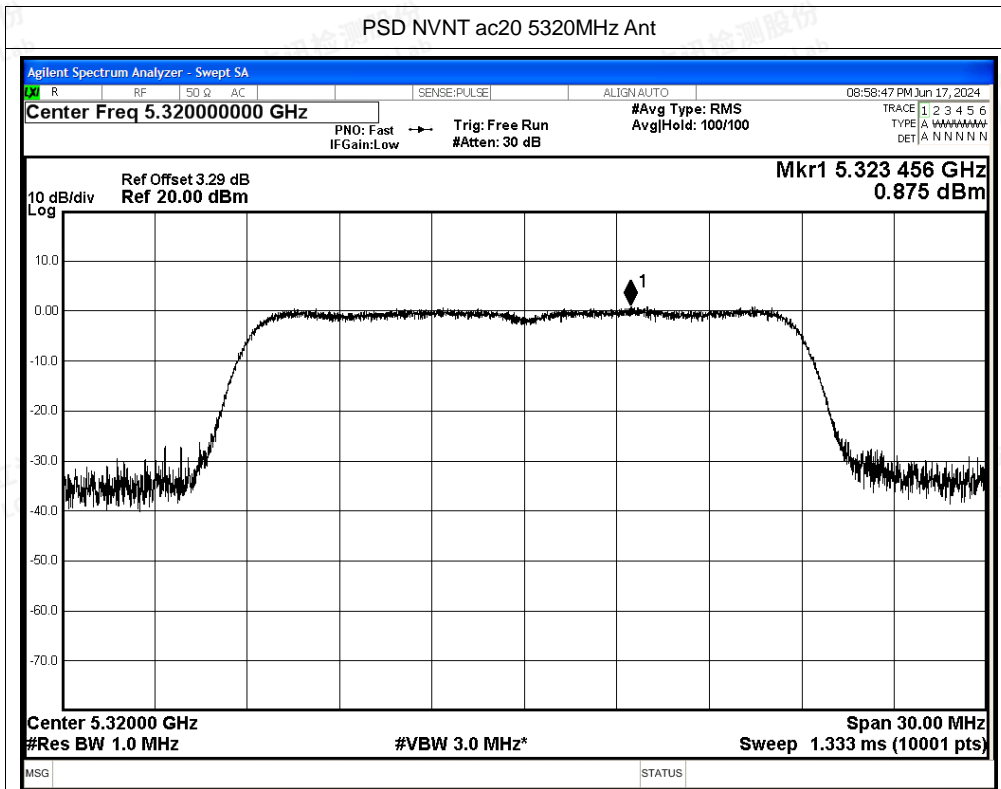
PSD NVNT n40 5270MHz Ant

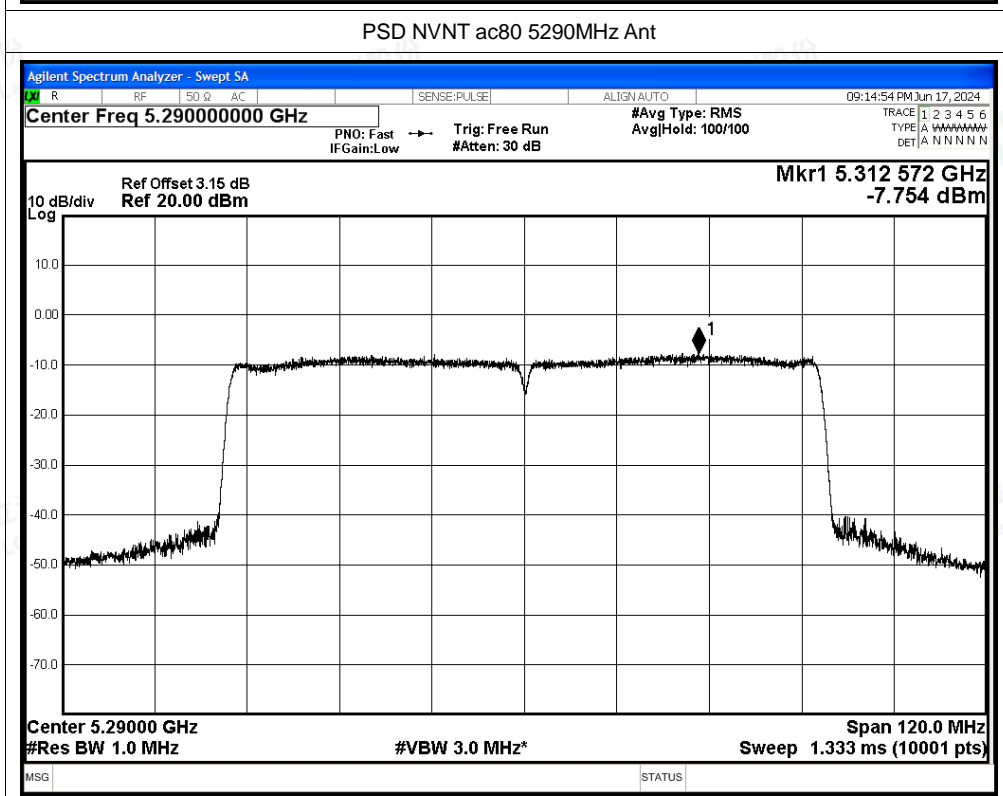
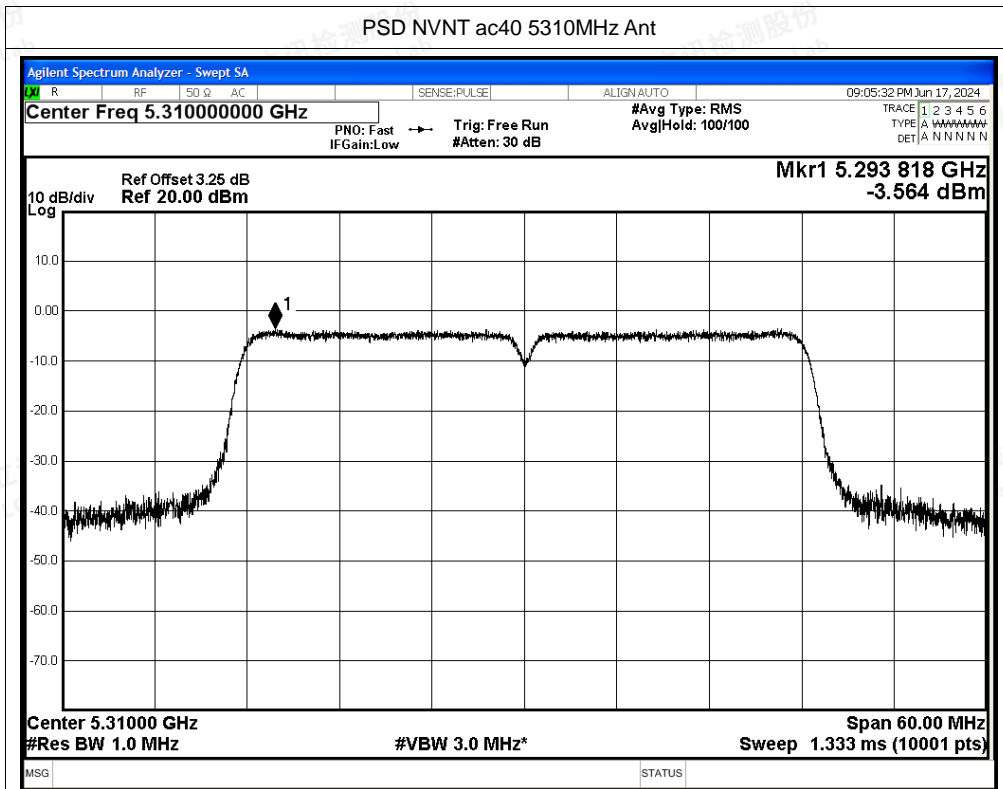


PSD NVNT n40 5310MHz Ant











C.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	5260	Ant	4500	-51.74	2	-	45.49	Peak	68.2	Pass
NVNT	a	5260	Ant	4500	-59.05	2	0.24	38.42	Average	54	Pass
NVNT	a	5260	Ant	5036.64	-46.13	2	-	51.1	Peak	68.2	Pass
NVNT	a	5260	Ant	5106.06	-57.11	2	0.24	40.36	Average	54	Pass
NVNT	a	5260	Ant	5150	-51.09	2	-	46.14	Peak	68.2	Pass
NVNT	a	5260	Ant	5150	-57.95	2	0.24	39.52	Average	54	Pass
NVNT	a	5320	Ant	5350	-47.44	2	-	49.79	Peak	68.2	Pass
NVNT	a	5320	Ant	5350	-57.05	2	0.24	40.42	Average	54	Pass
NVNT	a	5320	Ant	5353.4	-46.58	2	-	50.65	Peak	68.2	Pass
NVNT	a	5320	Ant	5350.6	-56.59	2	0.24	40.88	Average	54	Pass
NVNT	a	5320	Ant	5460	-49.87	2	-	47.36	Peak	68.2	Pass
NVNT	a	5320	Ant	5460	-57.9	2	0.24	39.57	Average	54	Pass
NVNT	n20	5260	Ant	4500	-51.48	2	-	45.75	Peak	68.2	Pass
NVNT	n20	5260	Ant	4500	-59.66	2	0.28	37.85	Average	54	Pass
NVNT	n20	5260	Ant	5081.88	-47.2	2	-	50.03	Peak	68.2	Pass
NVNT	n20	5260	Ant	5042.88	-57.07	2	0.28	40.44	Average	54	Pass
NVNT	n20	5260	Ant	5150	-49.04	2	-	48.19	Peak	68.2	Pass
NVNT	n20	5260	Ant	5150	-57.91	2	0.28	39.6	Average	54	Pass
NVNT	n20	5320	Ant	5350	-41.52	2	-	55.71	Peak	68.2	Pass
NVNT	n20	5320	Ant	5350	-56.75	2	0.28	40.76	Average	54	Pass
NVNT	n20	5320	Ant	5350.2	-55.9	2	0.28	41.61	Average	54	Pass
NVNT	n20	5320	Ant	5460	-49.39	2	-	47.84	Peak	68.2	Pass
NVNT	n20	5320	Ant	5460	-58.03	2	0.28	39.48	Average	54	Pass
NVNT	n40	5270	Ant	4500	-49.4	2	-	47.83	Peak	68.2	Pass
NVNT	n40	5270	Ant	4500	-59.31	2	0.12	38.04	Average	54	Pass
NVNT	n40	5270	Ant	5049.18	-46.43	2	-	50.8	Peak	68.2	Pass
NVNT	n40	5270	Ant	4806.18	-56.77	2	0.12	40.58	Average	54	Pass
NVNT	n40	5270	Ant	5150	-50	2	-	47.23	Peak	68.2	Pass
NVNT	n40	5270	Ant	5150	-57.42	2	0.12	39.93	Average	54	Pass
NVNT	n40	5310	Ant	5350	-44.51	2	-	52.72	Peak	68.2	Pass
NVNT	n40	5310	Ant	5350	-57	2	0.12	40.35	Average	54	Pass
NVNT	n40	5310	Ant	5354.8	-42.75	2	-	54.48	Peak	68.2	Pass
NVNT	n40	5310	Ant	5350.4	-56.24	2	0.12	41.11	Average	54	Pass
NVNT	n40	5310	Ant	5460	-49.95	2	-	47.28	Peak	68.2	Pass
NVNT	n40	5310	Ant	5460	-57.56	2	0.12	39.79	Average	54	Pass
NVNT	ac20	5260	Ant	4500	-51.53	2	-	45.7	Peak	68.2	Pass



Shenzhen LCS Compliance Testing Laboratory Ltd.

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Scan code to check authenticity



NVNT	ac20	5260	Ant	4500	-59.35	2	0.28	38.16	Average	54	Pass
NVNT	ac20	5260	Ant	5078.76	-47.11	2	-	50.12	Peak	68.2	Pass
NVNT	ac20	5260	Ant	5071.74	-57.07	2	0.28	40.44	Average	54	Pass
NVNT	ac20	5260	Ant	5150	-49.74	2	-	47.49	Peak	68.2	Pass
NVNT	ac20	5260	Ant	5150	-57.15	2	0.28	40.36	Average	54	Pass
NVNT	ac20	5320	Ant	5350	-47.75	2	-	49.48	Peak	68.2	Pass
NVNT	ac20	5320	Ant	5350	-56.82	2	0.28	40.69	Average	54	Pass
NVNT	ac20	5320	Ant	5351.2	-44.32	2	-	52.91	Peak	68.2	Pass
NVNT	ac20	5320	Ant	5350.2	-55.86	2	0.28	41.65	Average	54	Pass
NVNT	ac20	5320	Ant	5460	-50.44	2	-	46.79	Peak	68.2	Pass
NVNT	ac20	5320	Ant	5460	-57.75	2	0.28	39.76	Average	54	Pass
NVNT	ac40	5270	Ant	4500	-50.9	2	-	46.33	Peak	68.2	Pass
NVNT	ac40	5270	Ant	4500	-59.47	2	0.45	38.21	Average	54	Pass
NVNT	ac40	5270	Ant	5130.99	-46.76	2	-	50.47	Peak	68.2	Pass
NVNT	ac40	5270	Ant	4772.97	-56.86	2	0.45	40.82	Average	54	Pass
NVNT	ac40	5270	Ant	5150	-48.35	2	-	48.88	Peak	68.2	Pass
NVNT	ac40	5270	Ant	5150	-57.75	2	0.45	39.93	Average	54	Pass
NVNT	ac40	5310	Ant	5350	-41.72	2	-	55.51	Peak	68.2	Pass
NVNT	ac40	5310	Ant	5350	-56.15	2	0.12	41.2	Average	54	Pass
NVNT	ac40	5310	Ant	5460	-51	2	-	46.23	Peak	68.2	Pass
NVNT	ac40	5310	Ant	5460	-57.54	2	0.12	39.81	Average	54	Pass
NVNT	ac80	5290	Ant	4500	-50.55	2	-	46.68	Peak	68.2	Pass
NVNT	ac80	5290	Ant	4500	-59.84	2	0.25	37.64	Average	54	Pass
NVNT	ac80	5290	Ant	5056.8	-47.23	2	-	50	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5079.42	-56.87	2	0.25	40.61	Average	54	Pass
NVNT	ac80	5290	Ant	5150	-50.32	2	-	46.91	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5150	-57.96	2	0.25	39.52	Average	54	Pass
NVNT	ac80	5290	Ant	5350	-46.82	2	-	50.41	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5350	-55.05	2	0.25	42.43	Average	54	Pass
NVNT	ac80	5290	Ant	5350.5	-44.22	2	-	53.01	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5460	-48.72	2	-	48.51	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5460	-58.33	2	0.25	39.15	Average	54	Pass

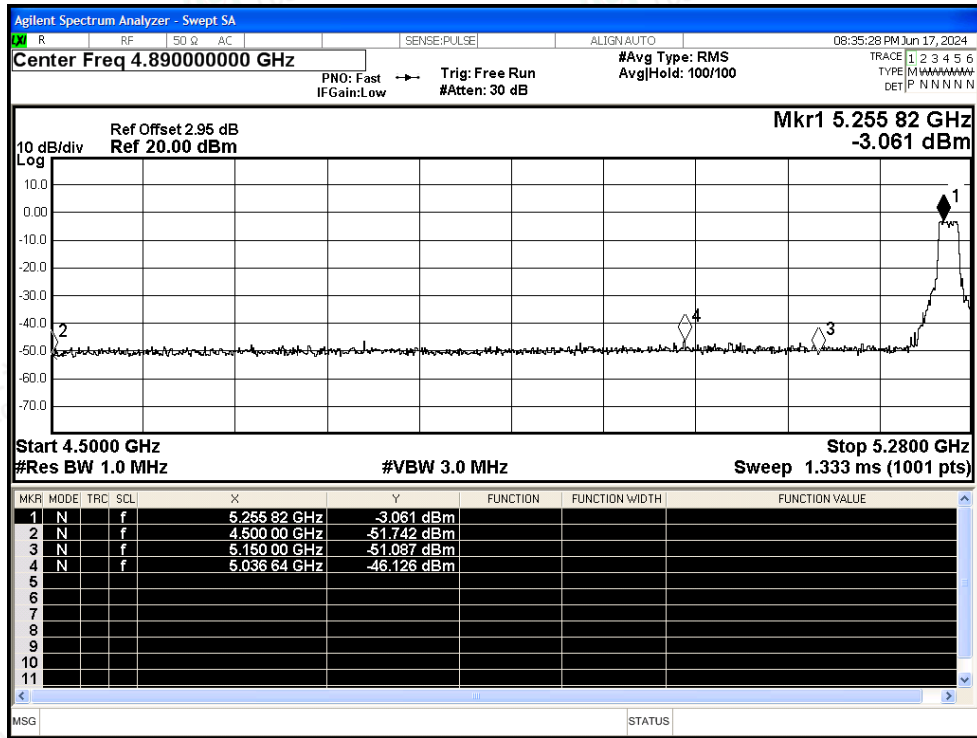


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

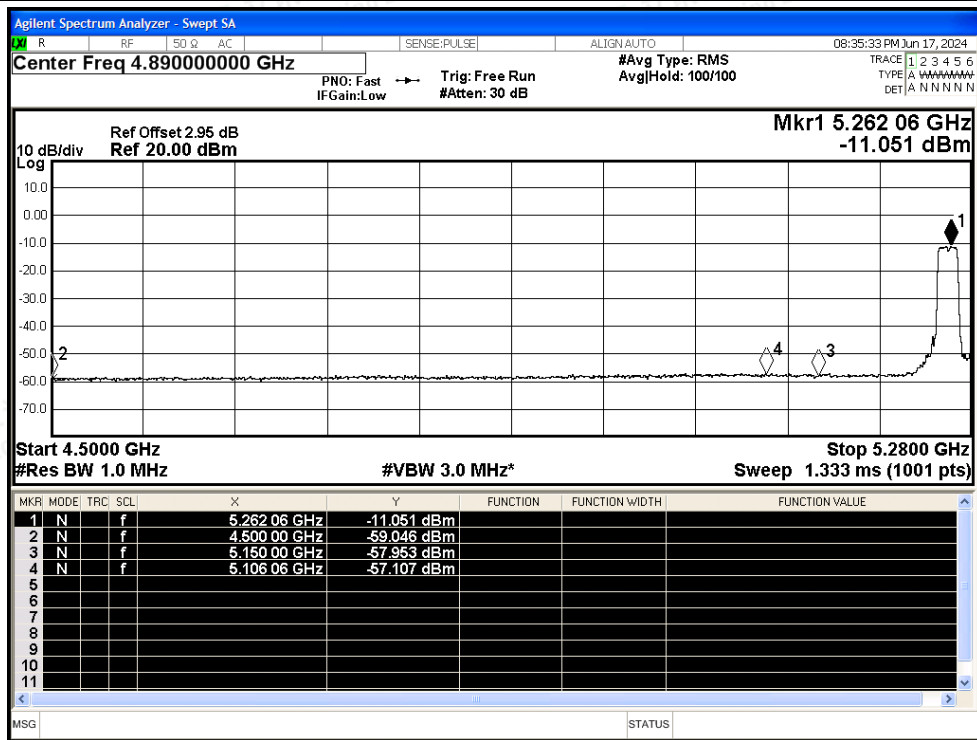


Test Graphs

Restrict Band NVNT a 5260MHz Ant Peak

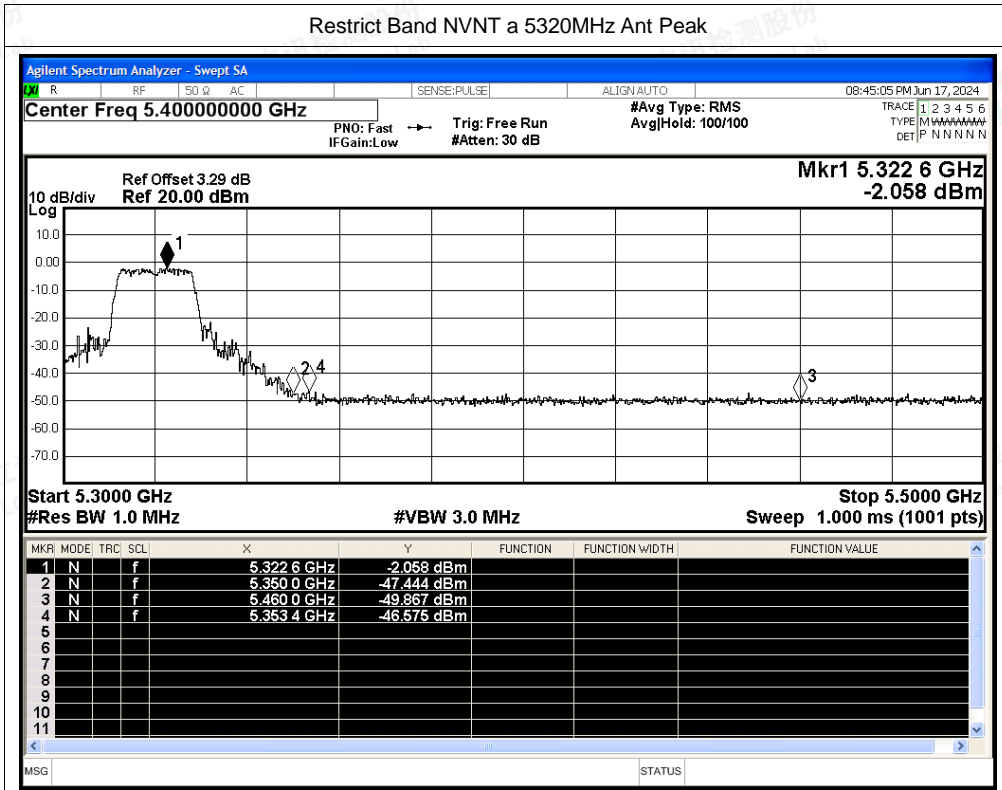


Restrict Band NVNT a 5260MHz Ant Average

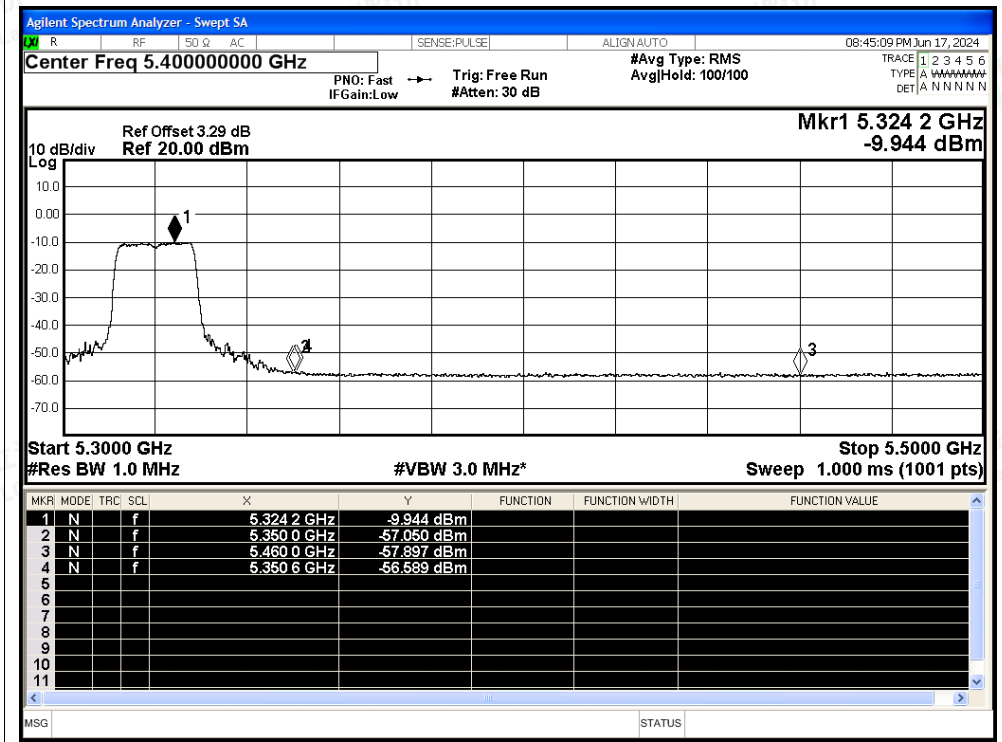


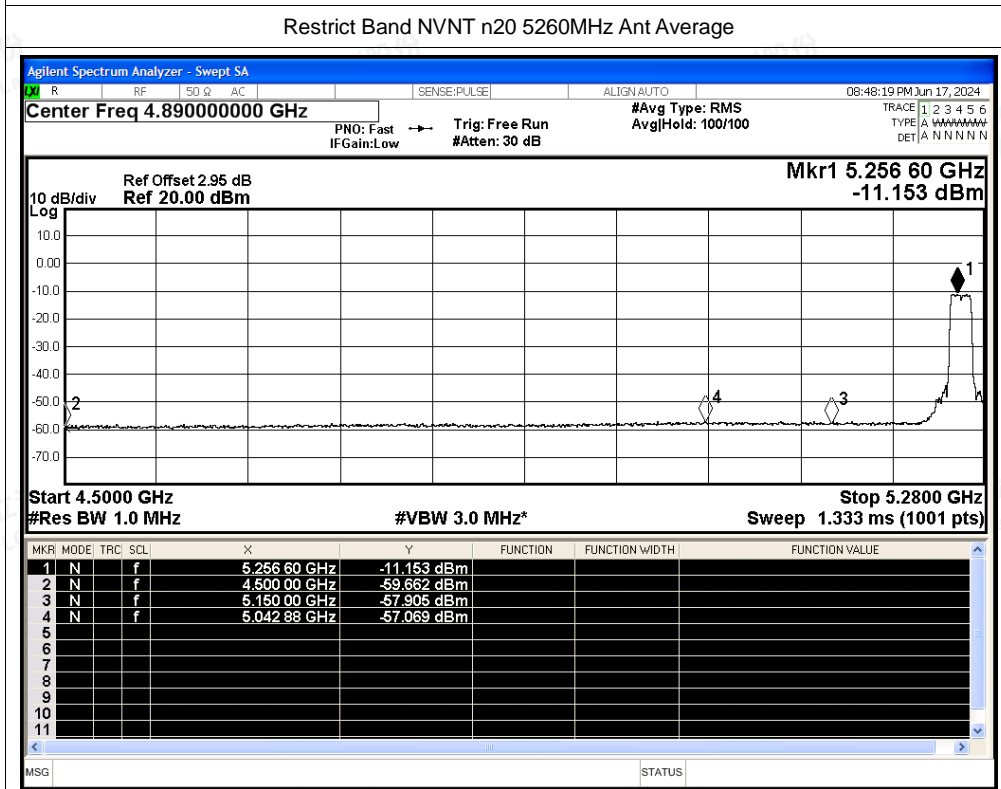
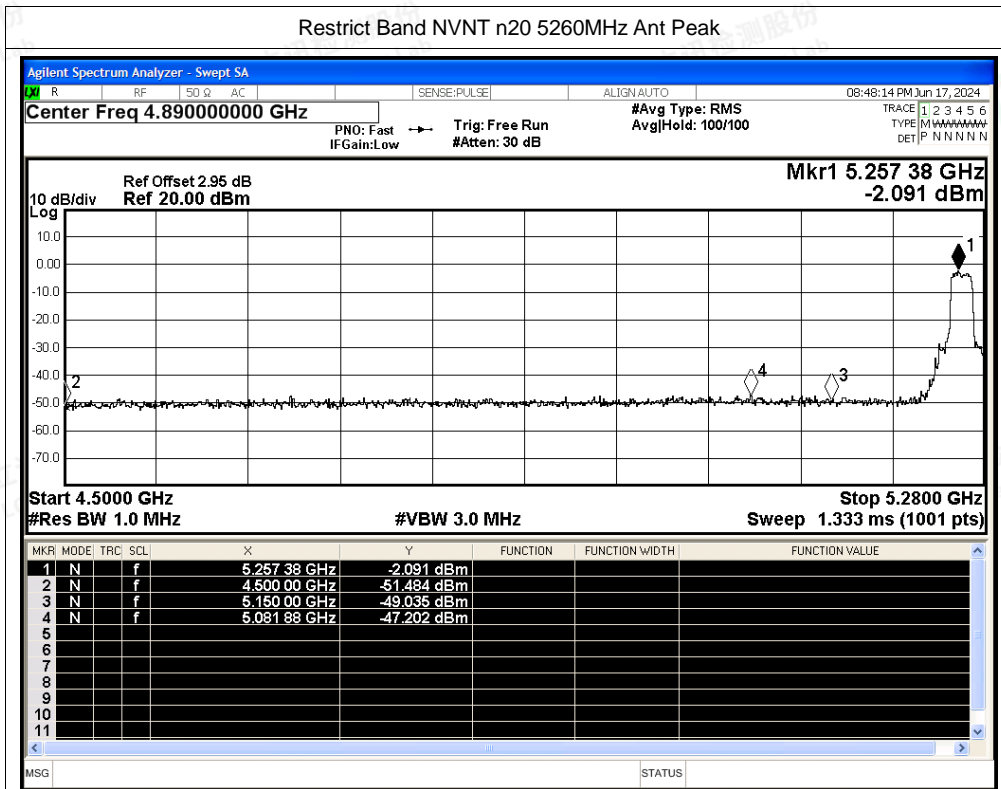


Restrict Band NVNT a 5320MHz Ant Peak



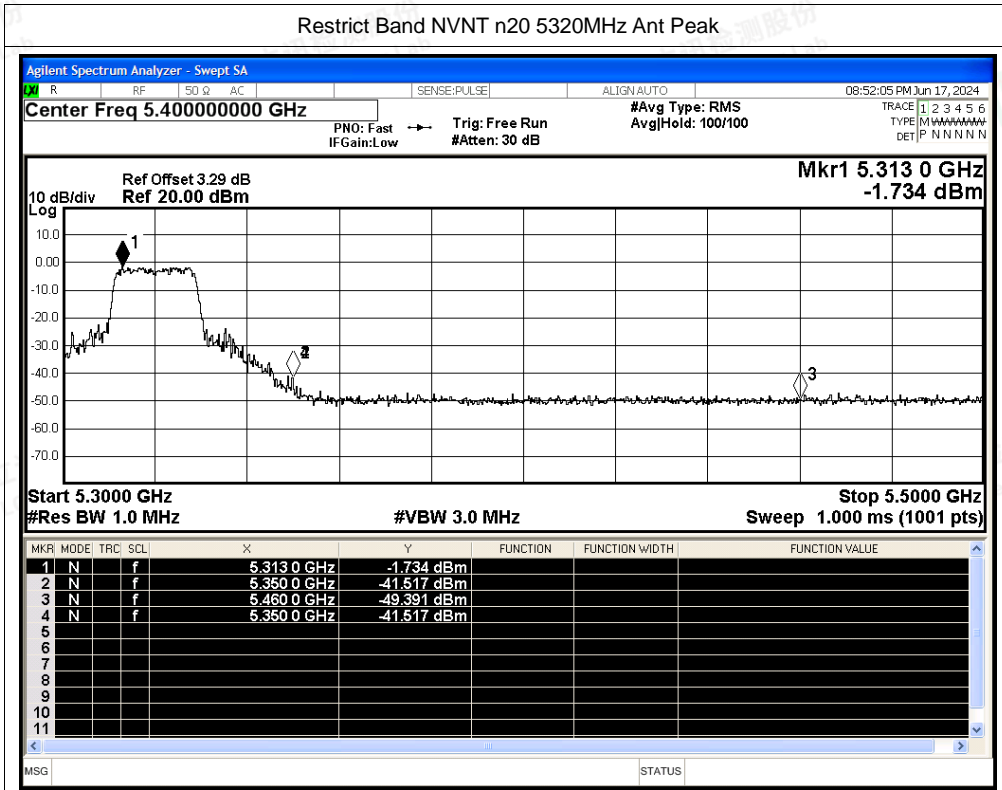
Restrict Band NVNT a 5320MHz Ant Average



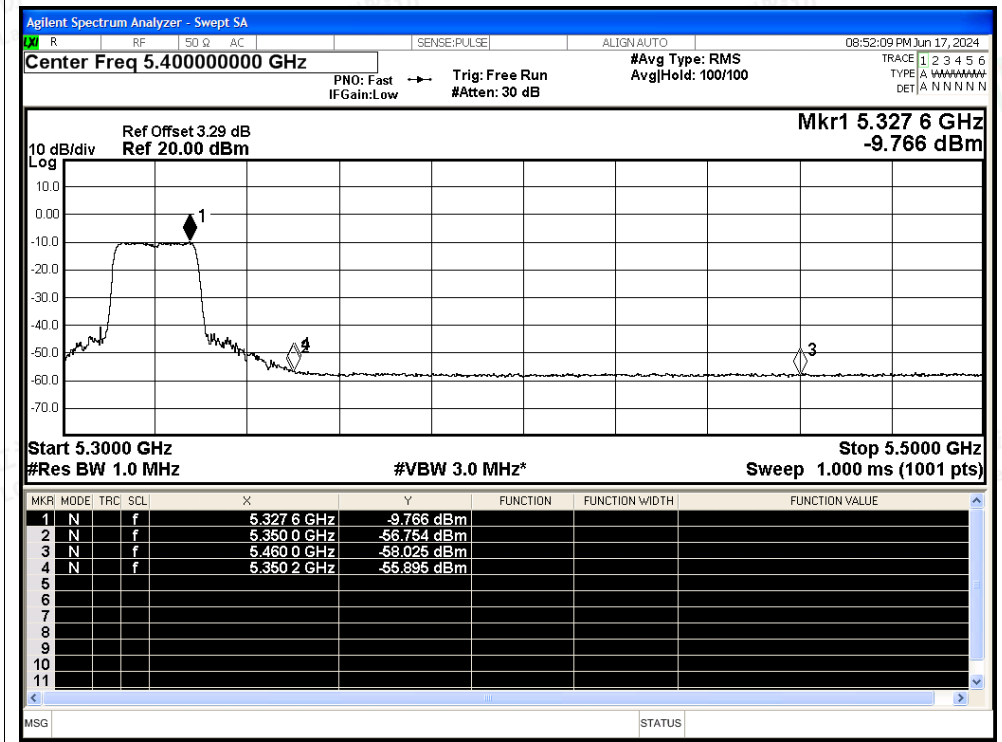


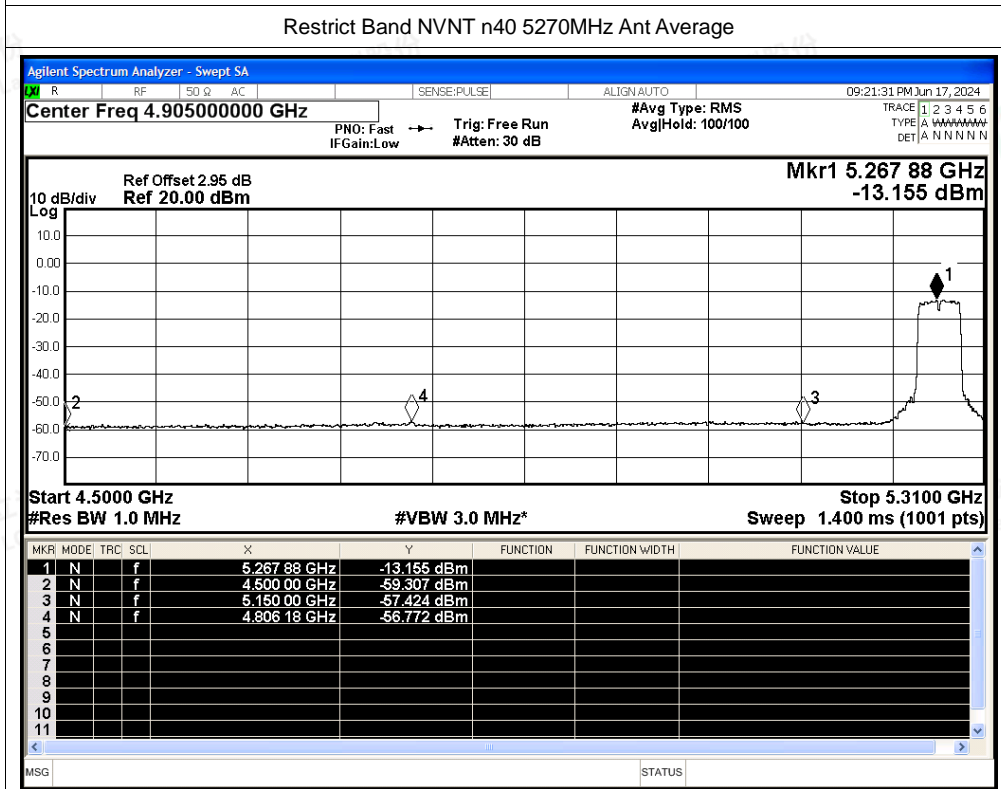
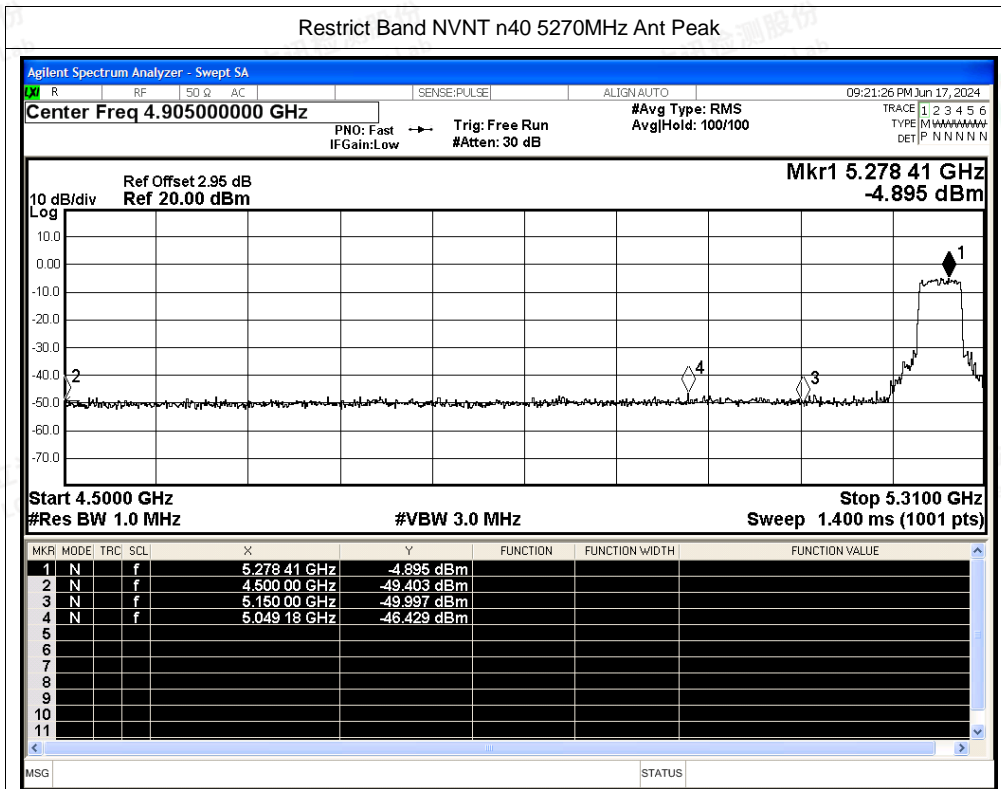


Restrict Band NVNT n20 5320MHz Ant Peak



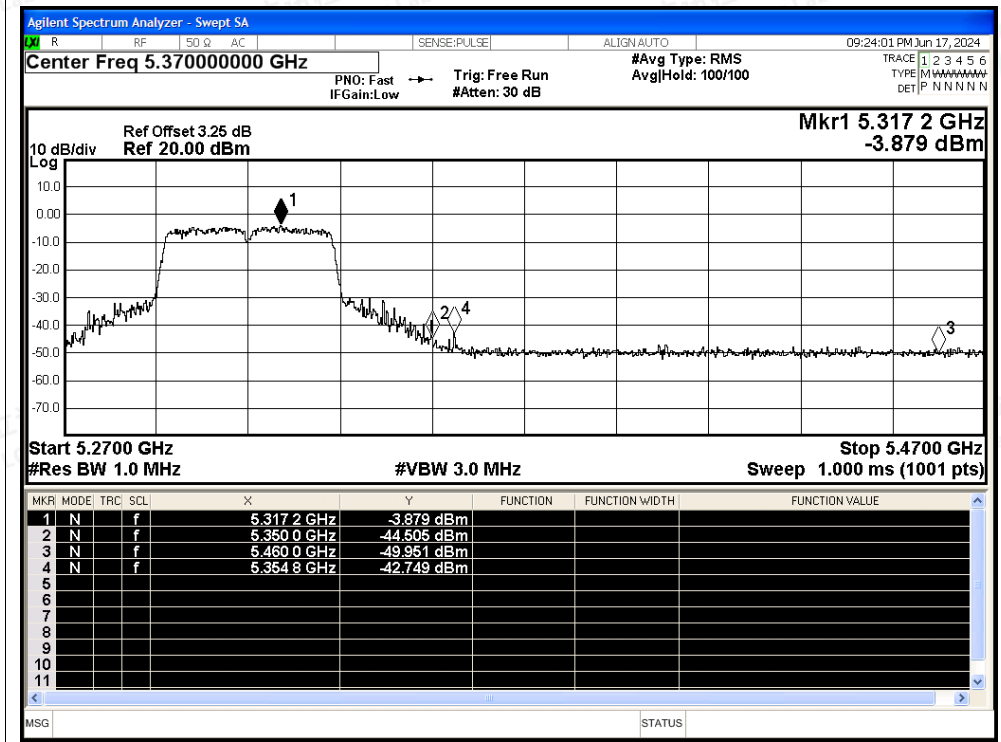
Restrict Band NVNT n20 5320MHz Ant Average



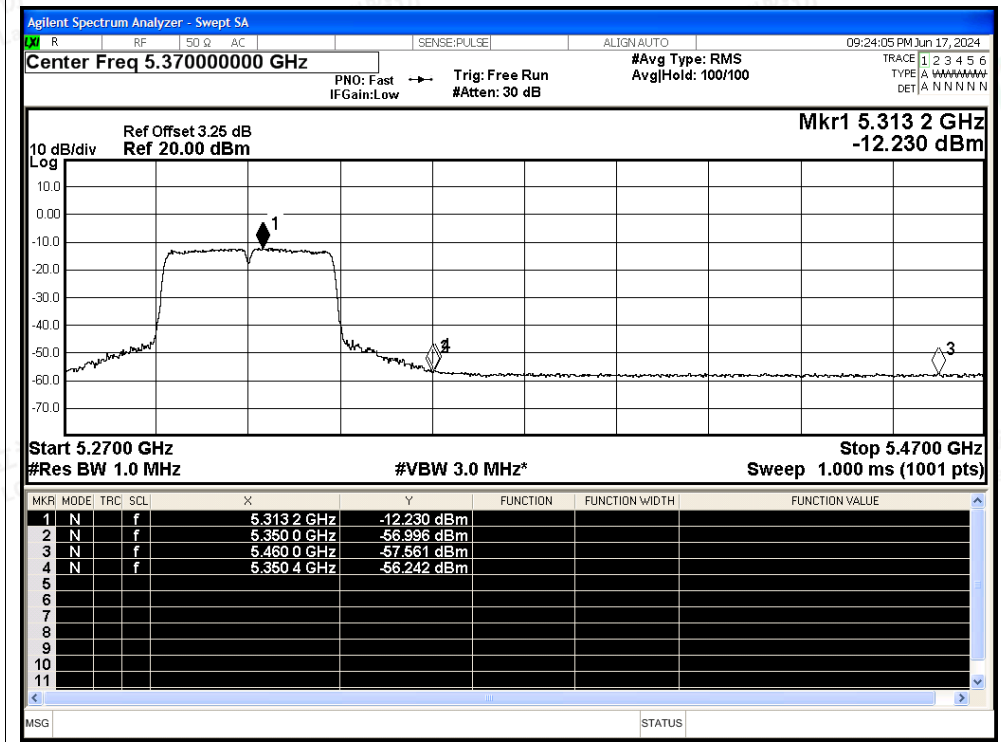




Restrict Band NVNT n40 5310MHz Ant Peak

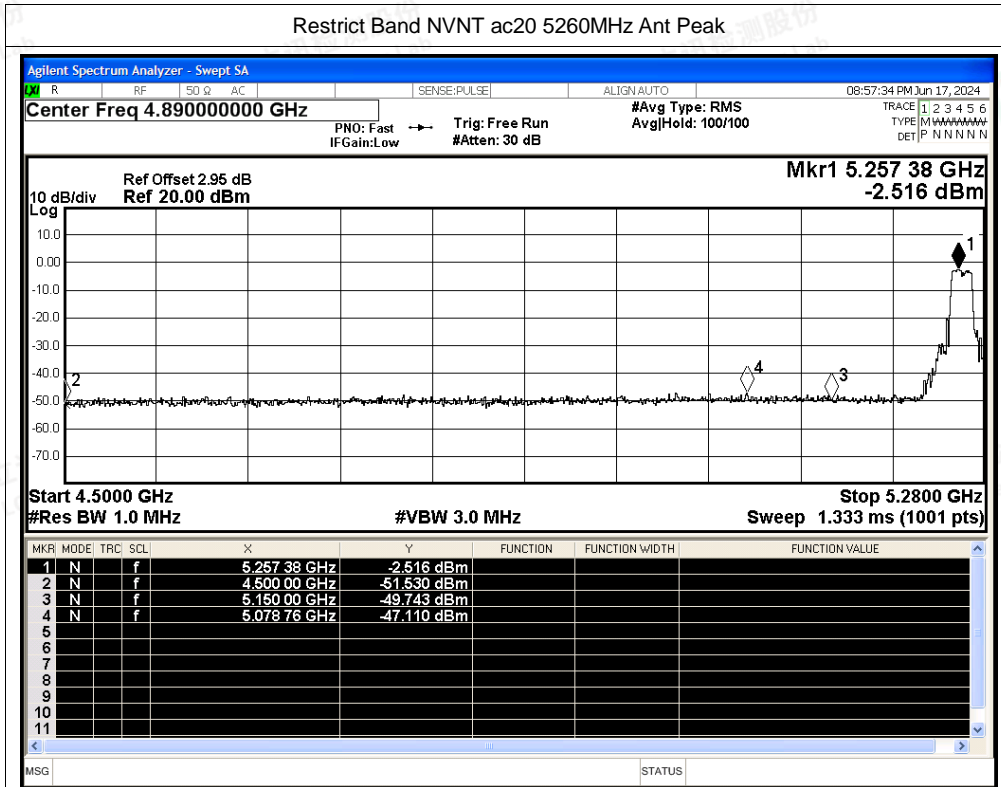


Restrict Band NVNT n40 5310MHz Ant Average

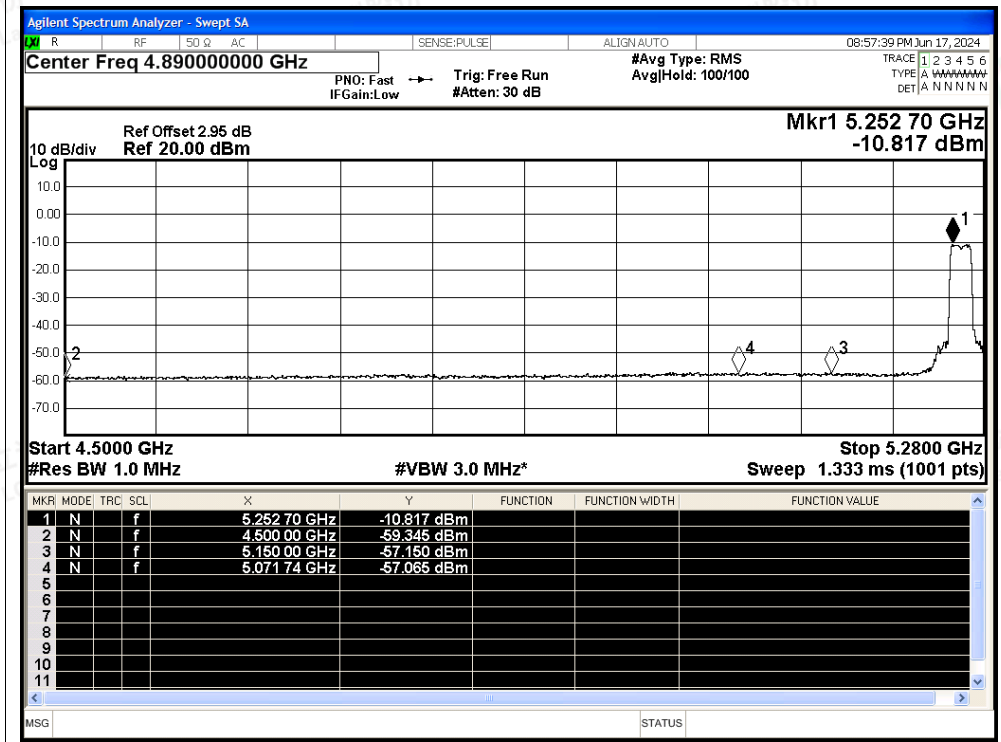




Restrict Band NVNT ac20 5260MHz Ant Peak

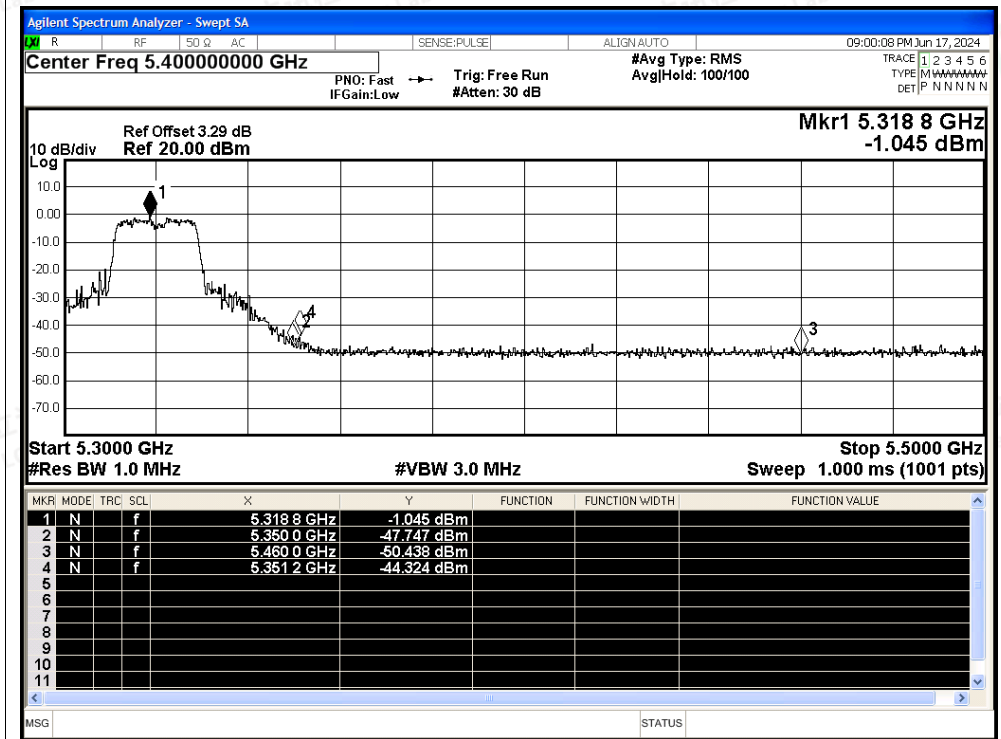


Restrict Band NVNT ac20 5260MHz Ant Average

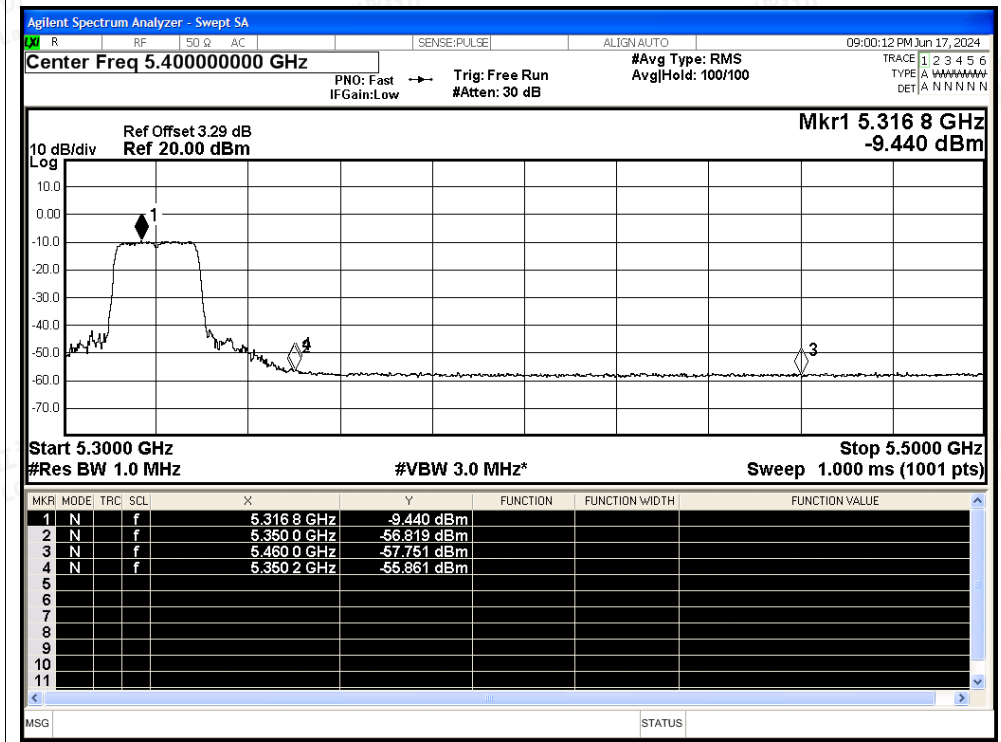




Restrict Band NVNT ac20 5320MHz Ant Peak

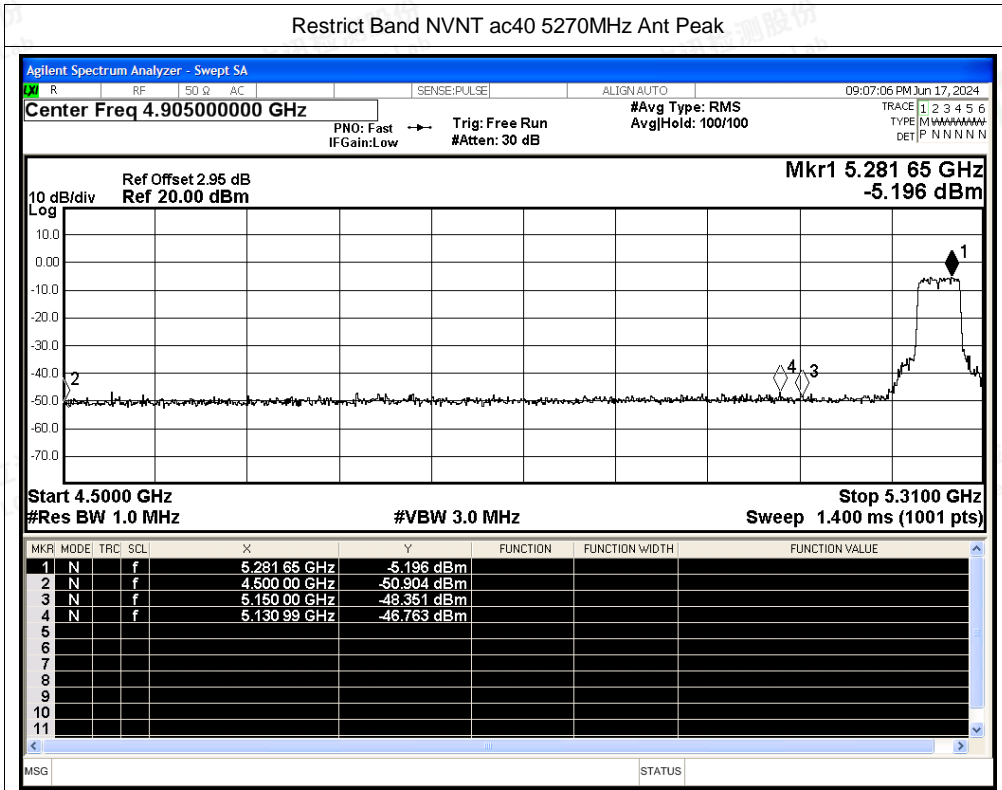


Restrict Band NVNT ac20 5320MHz Ant Average

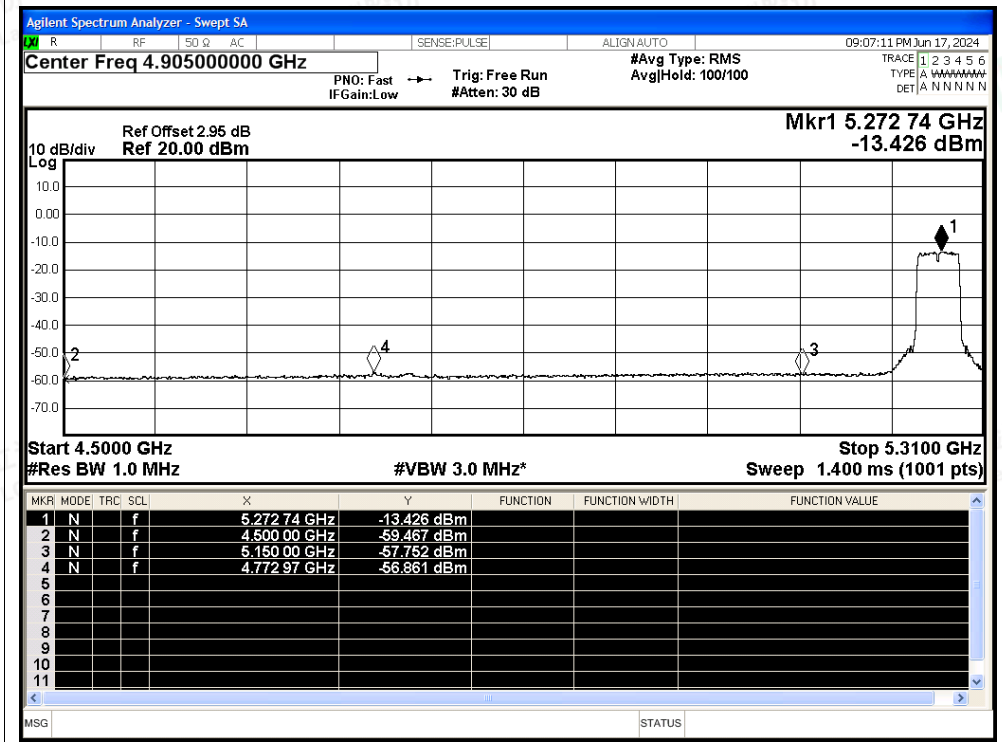




Restrict Band NVNT ac40 5270MHz Ant Peak

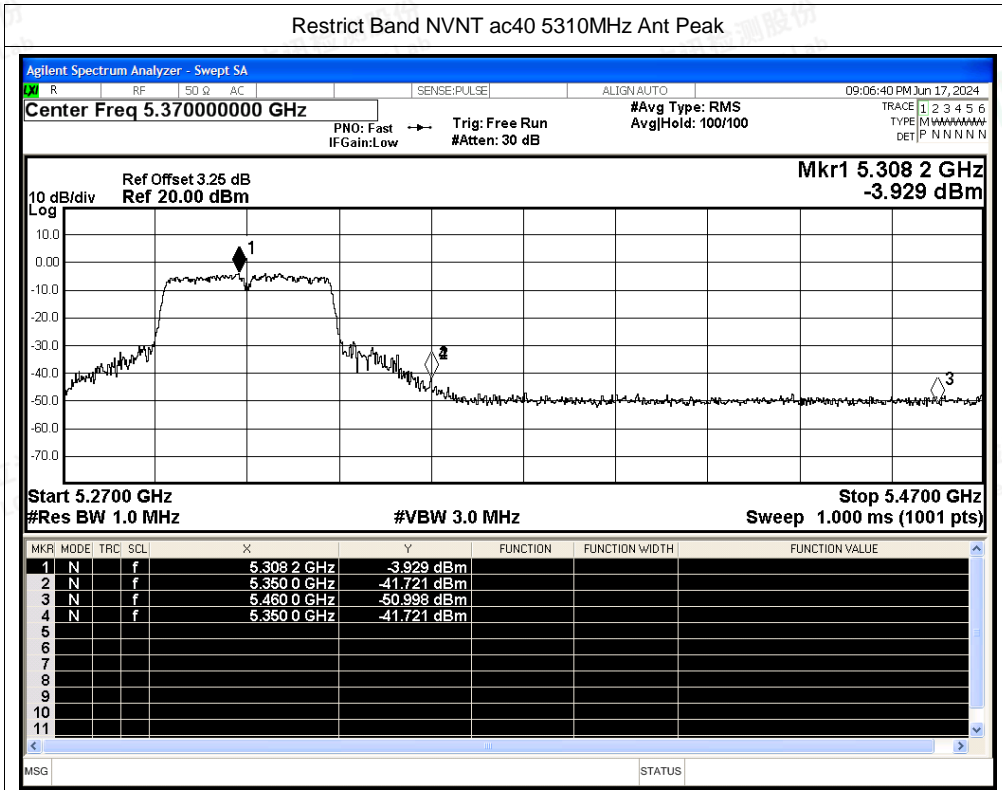


Restrict Band NVNT ac40 5270MHz Ant Average

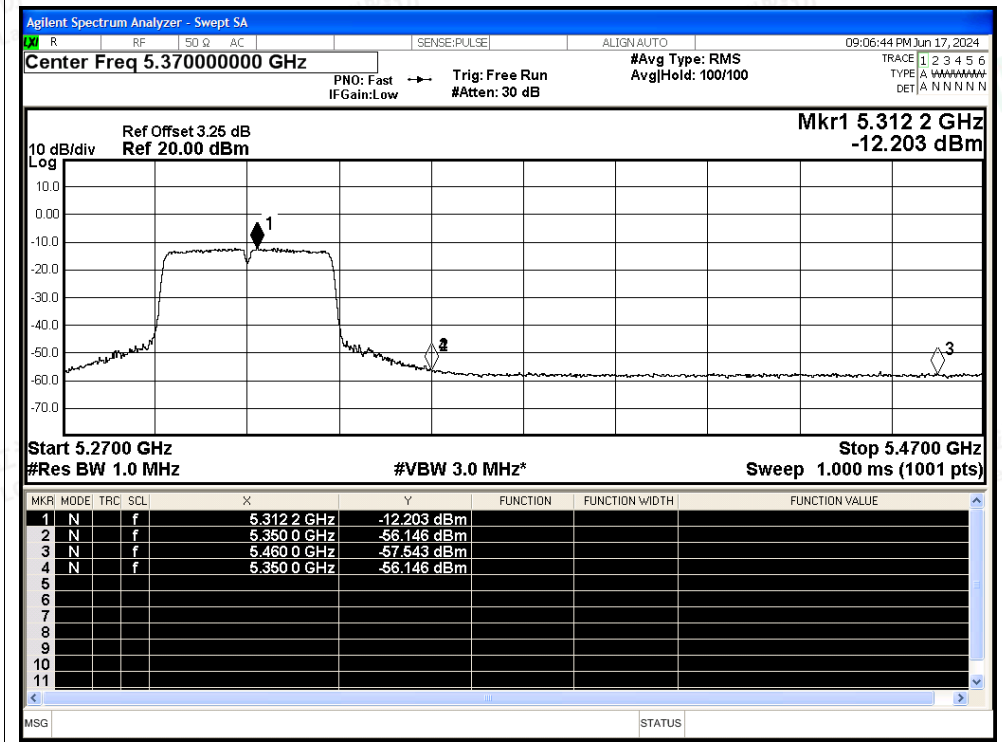




Restrict Band NVNT ac40 5310MHz Ant Peak

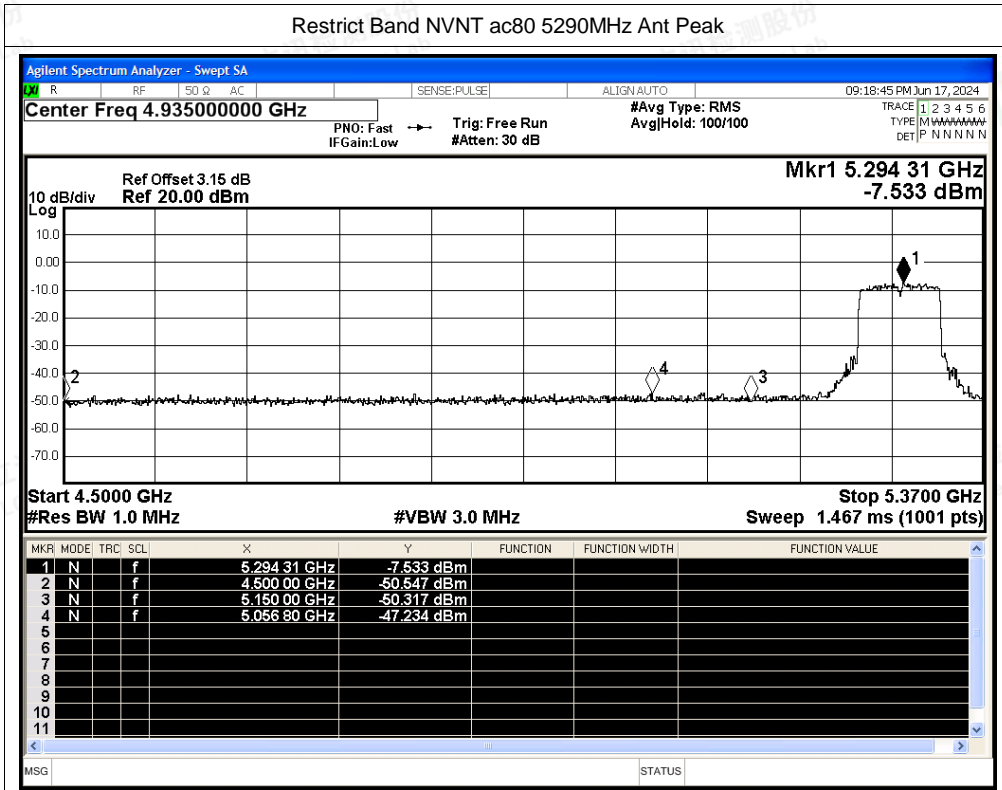


Restrict Band NVNT ac40 5310MHz Ant Average

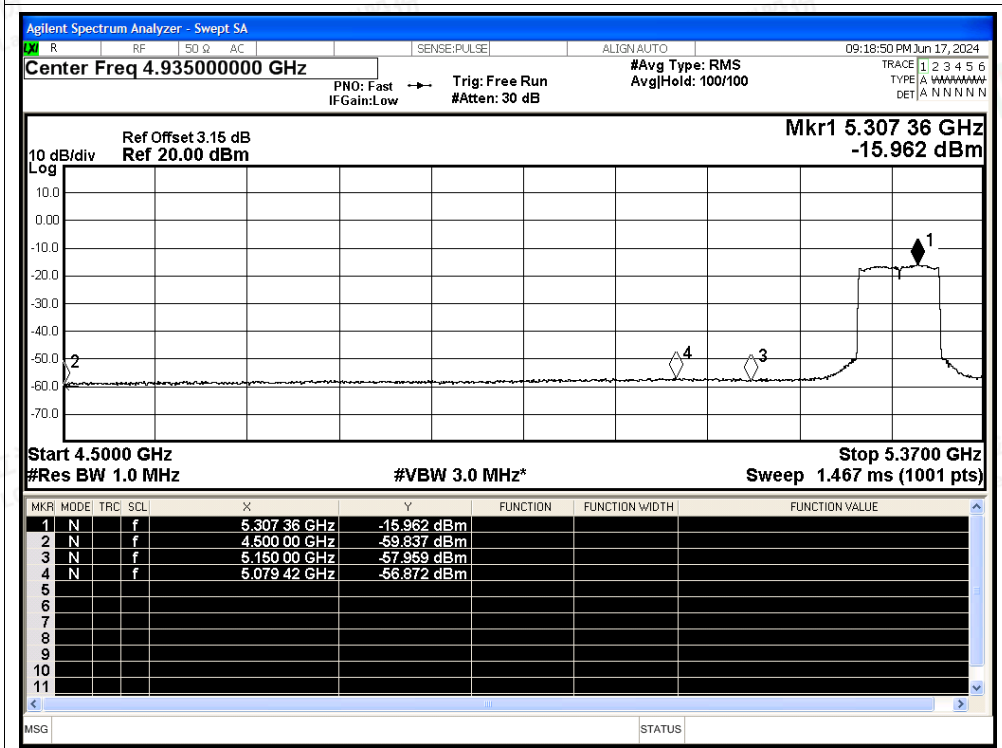




Restrict Band NVNT ac80 5290MHz Ant Peak

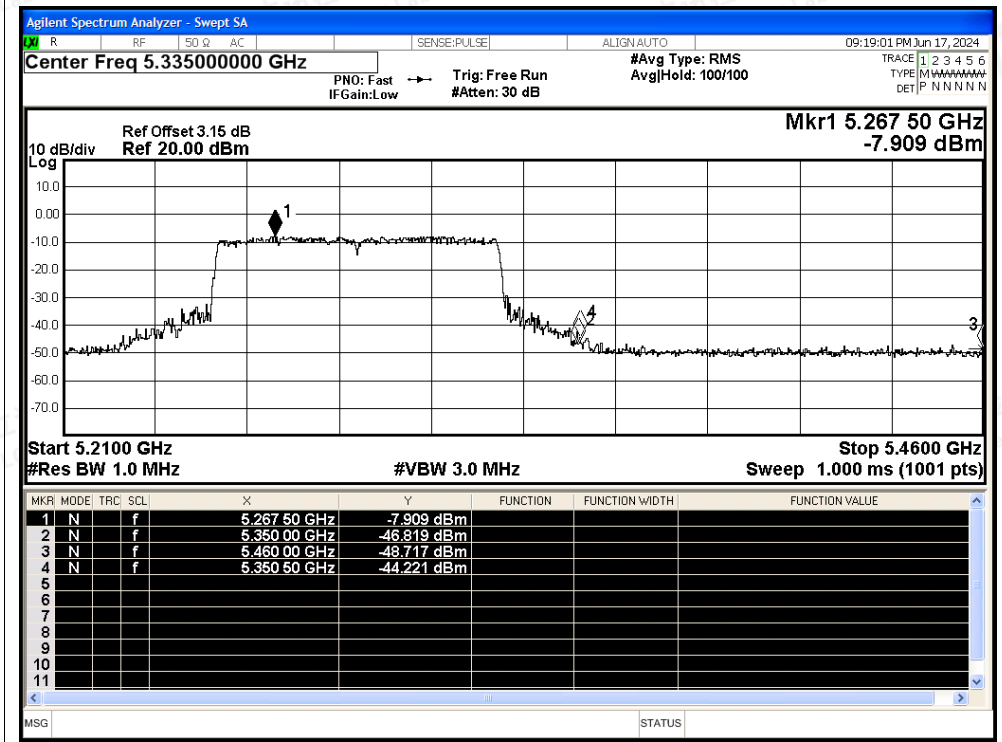


Restrict Band NVNT ac80 5290MHz Ant Average

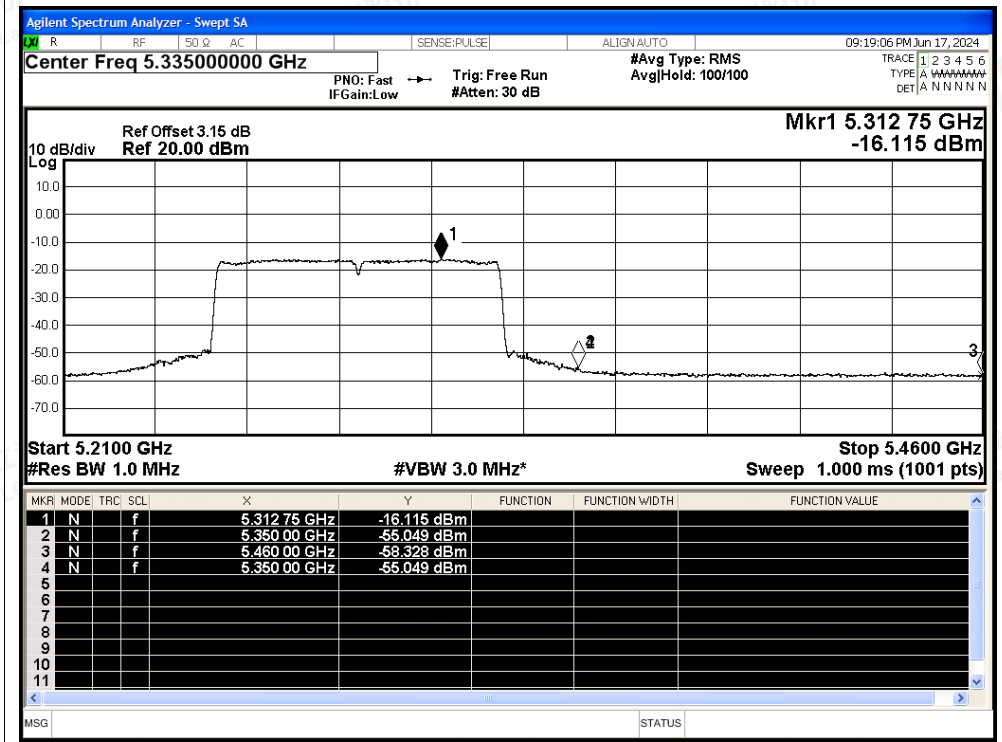




Restrict Band NVNT ac80 5290MHz Ant Peak



Restrict Band NVNT ac80 5290MHz Ant Average





C.5 Frequency Stability

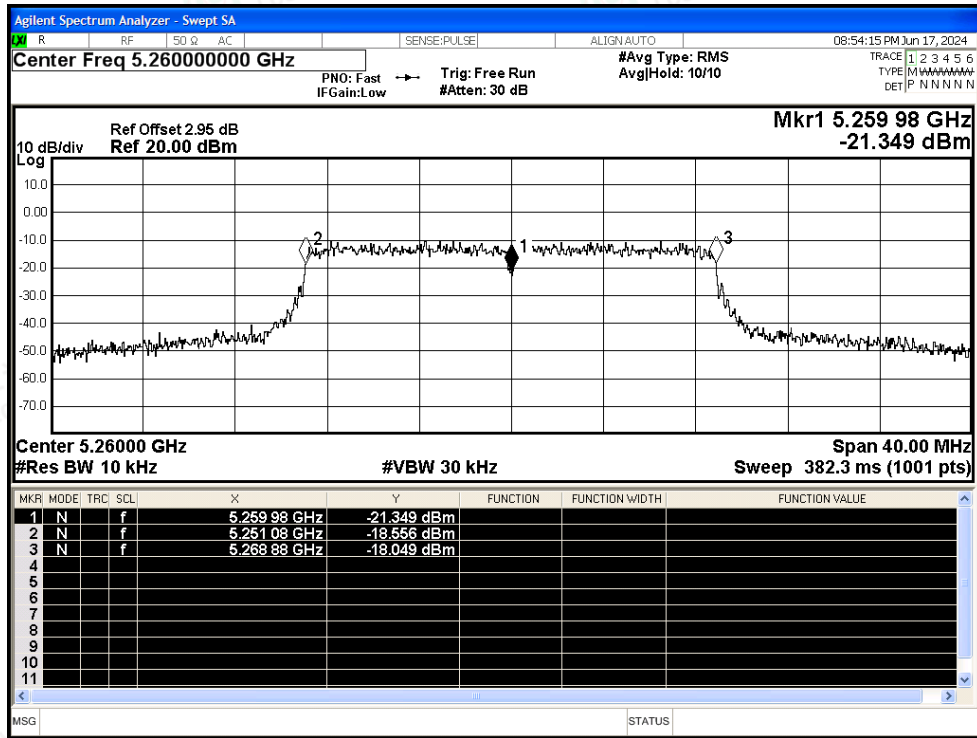
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5260	Ant	5259.98	-20000	-3.8	25	Pass
NVNT	ac20	5300	Ant	5299.98	-20000	-3.77	25	Pass
NVNT	ac20	5320	Ant	5319.98	-20000	-3.76	25	Pass
NVNT	ac40	5270	Ant	5270	0	0	25	Pass
NVNT	ac40	5310	Ant	5310	0	0	25	Pass
NVNT	ac80	5290	Ant	5290	0	0	25	Pass



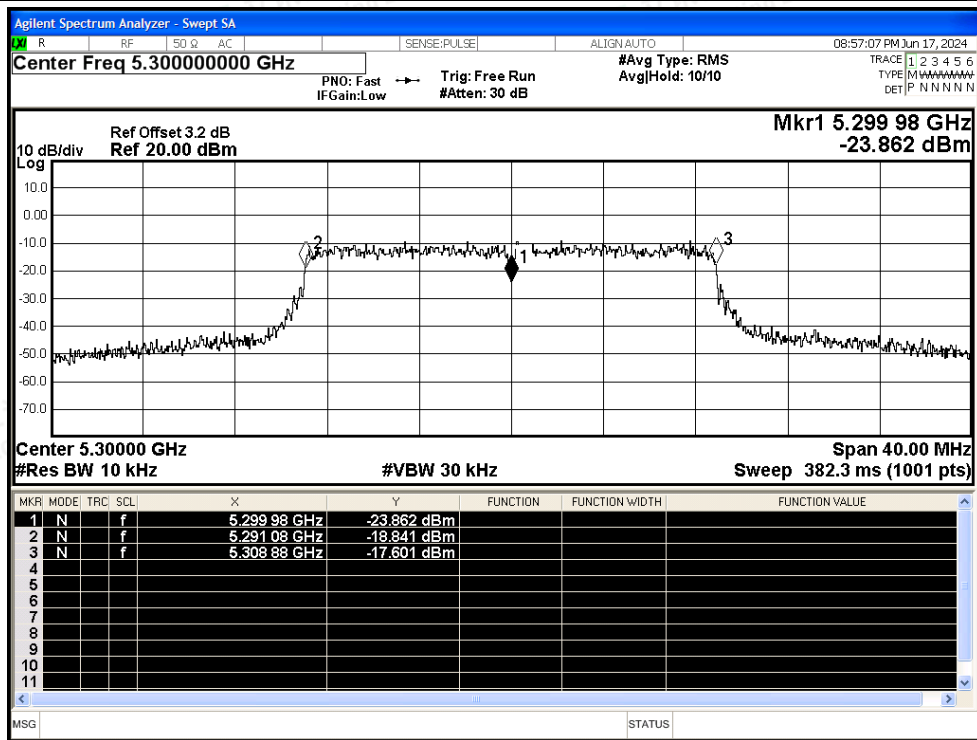


Test Graphs

Freq. Stability NVNT ac20 5260MHz Ant

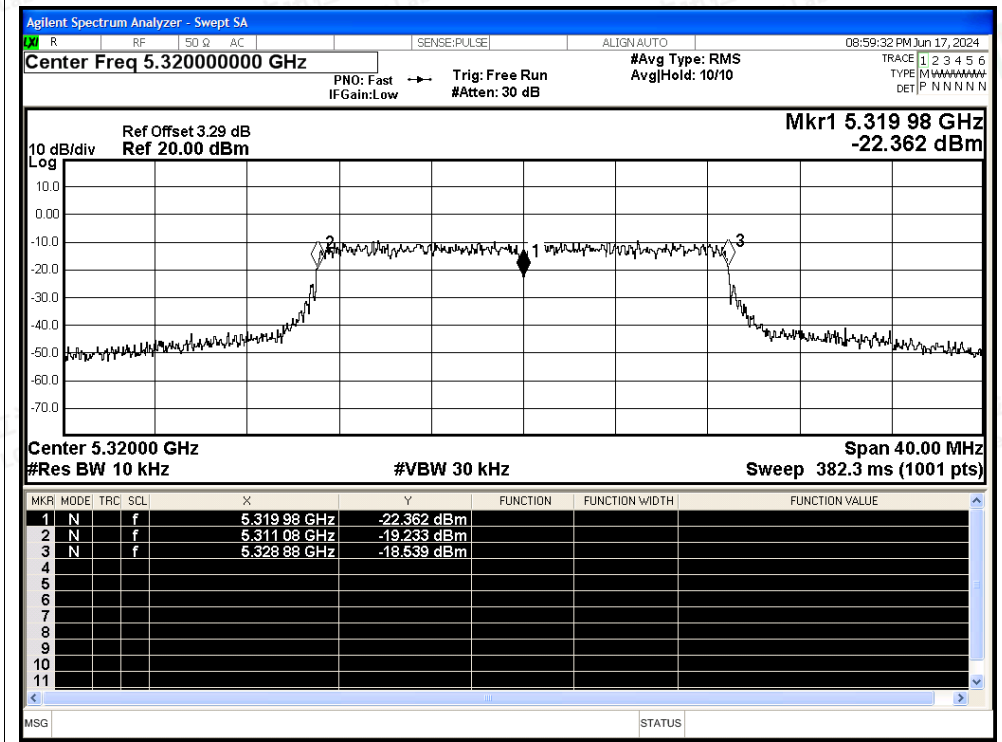


Freq. Stability NVNT ac20 5300MHz Ant

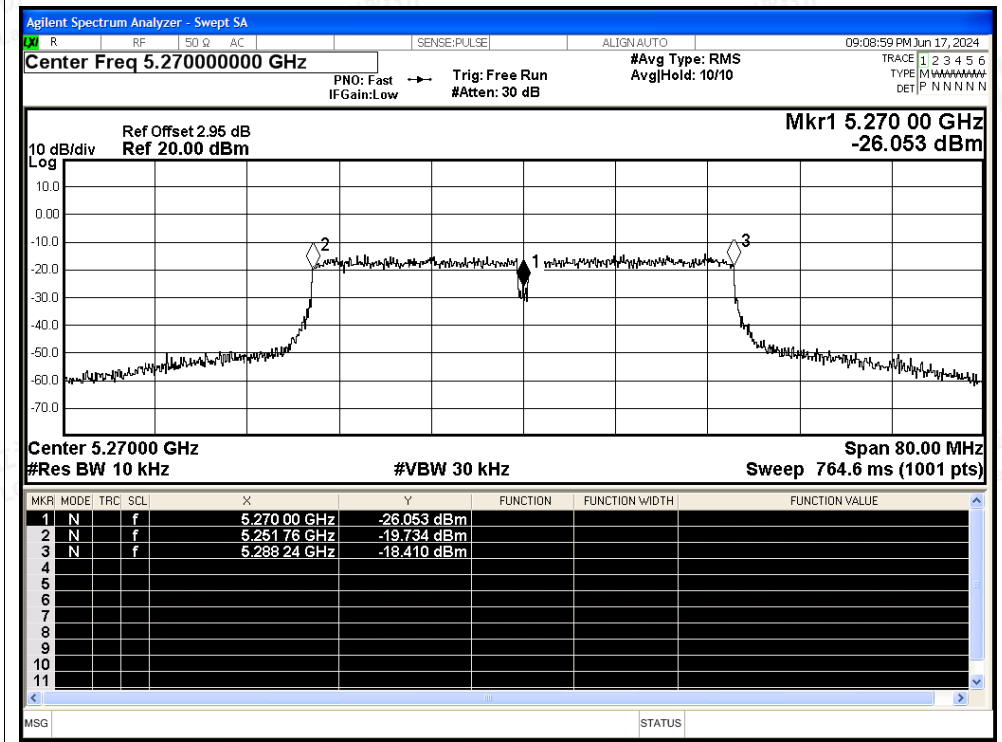




Freq. Stability NVNT ac20 5320MHz Ant

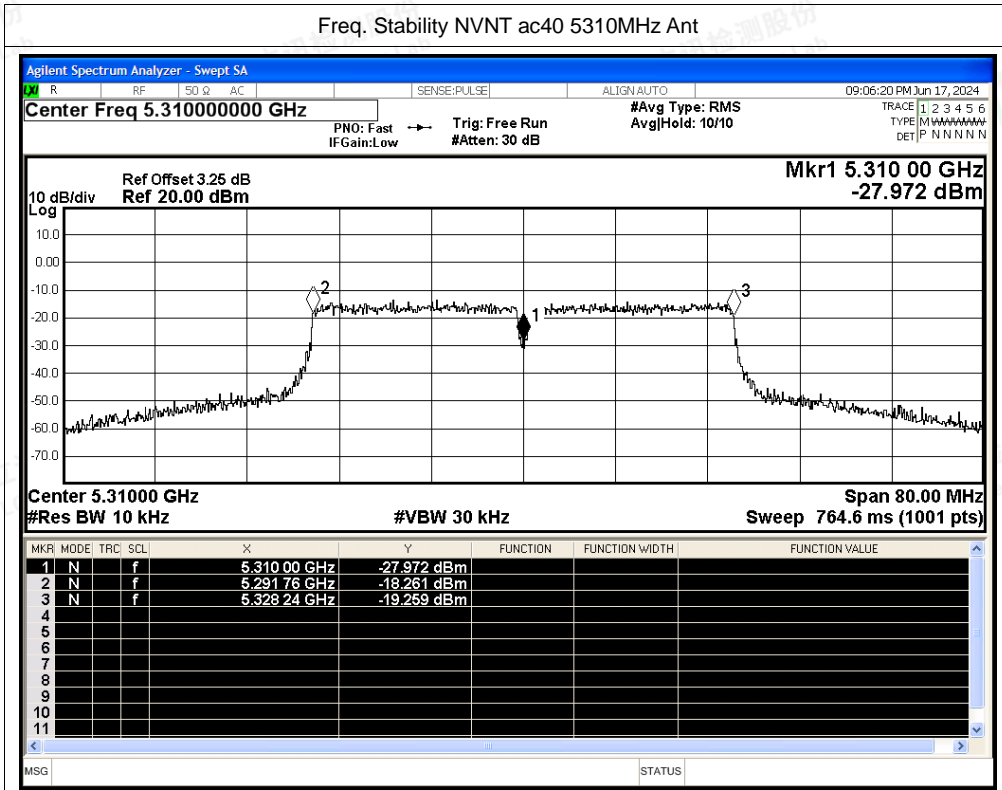


Freq. Stability NVNT ac40 5270MHz Ant

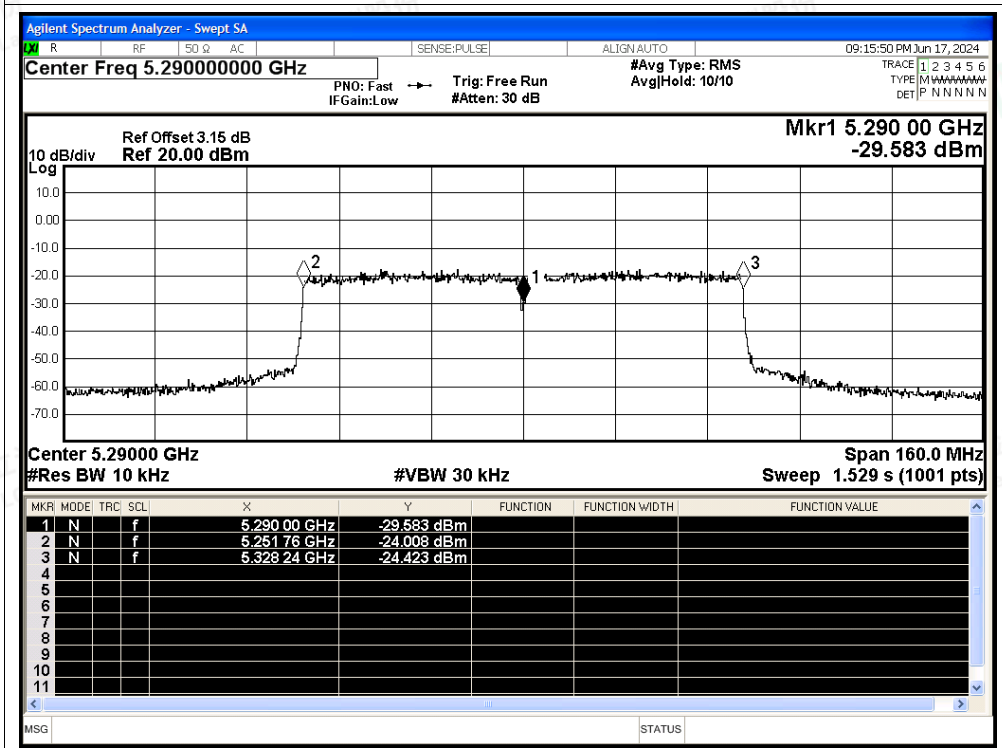




Freq. Stability NVNT ac40 5310MHz Ant



Freq. Stability NVNT ac80 5290MHz Ant





C.6 Duty Cycle

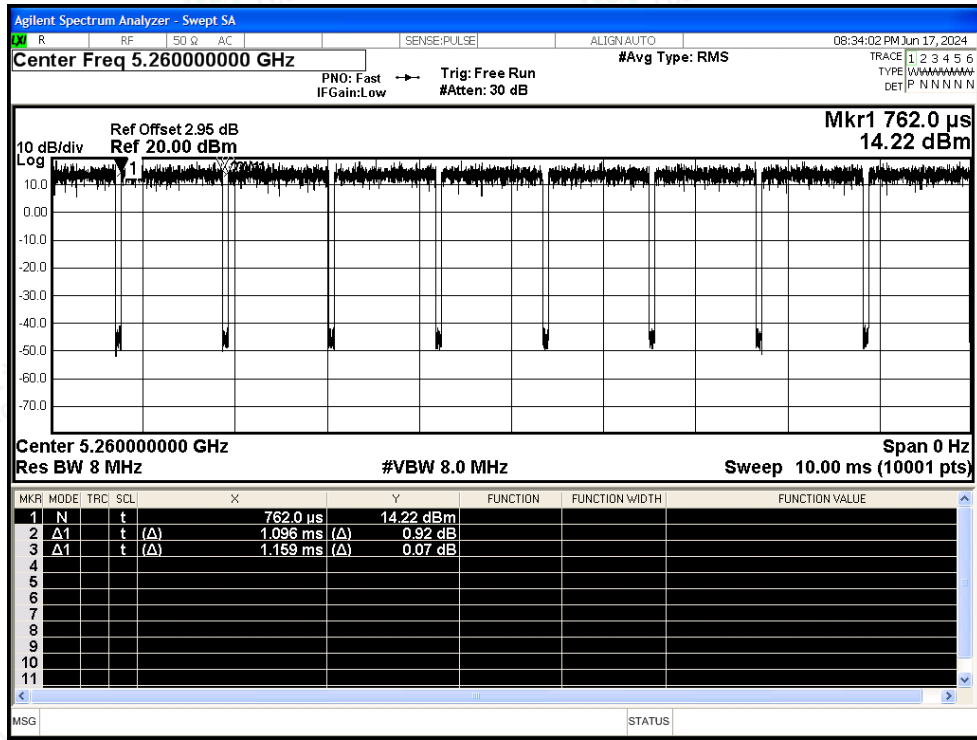
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant	94.56	0.24	0.91
NVNT	a	5300	Ant	94.56	0.24	0.91
NVNT	a	5320	Ant	94.65	0.24	0.91
NVNT	n20	5260	Ant	93.77	0.28	1.07
NVNT	n20	5300	Ant	93.67	0.28	1.07
NVNT	n20	5320	Ant	93.67	0.28	1.07
NVNT	n40	5270	Ant	97.23	0.12	0.46
NVNT	n40	5310	Ant	97.23	0.12	0.46
NVNT	ac20	5260	Ant	93.72	0.28	1.06
NVNT	ac20	5300	Ant	93.72	0.28	1.06
NVNT	ac20	5320	Ant	93.82	0.28	1.06
NVNT	ac40	5270	Ant	97.19	0.12	0.46
NVNT	ac40	5310	Ant	97.19	0.12	0.46
NVNT	ac80	5290	Ant	94.32	0.25	0.97



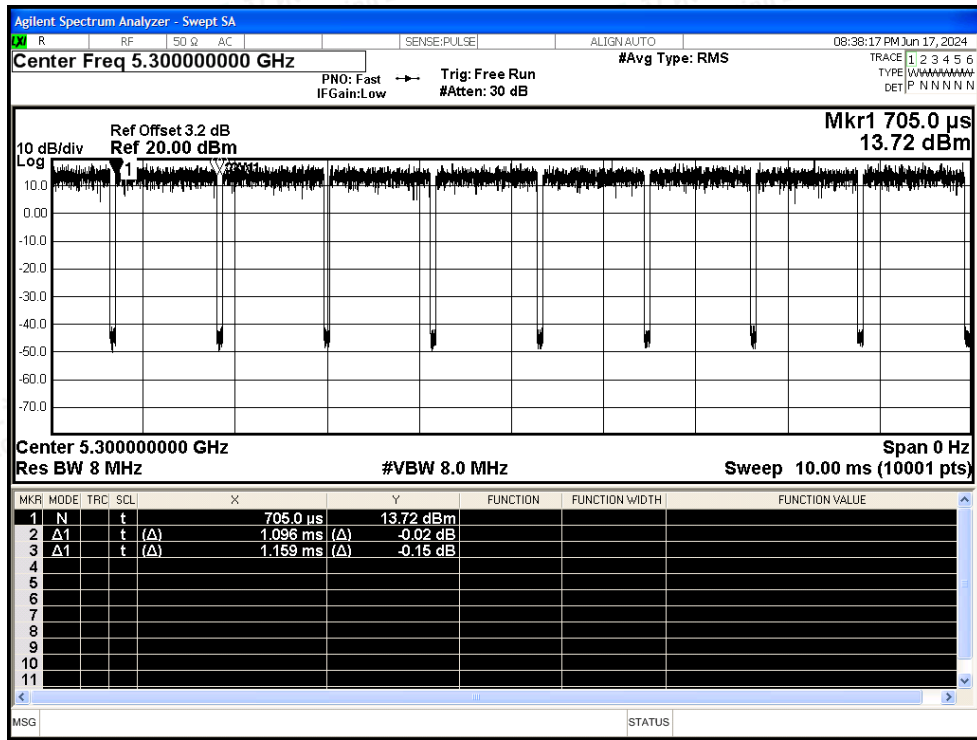


Test Graphs

Duty Cycle NVNT a 5260MHz Ant

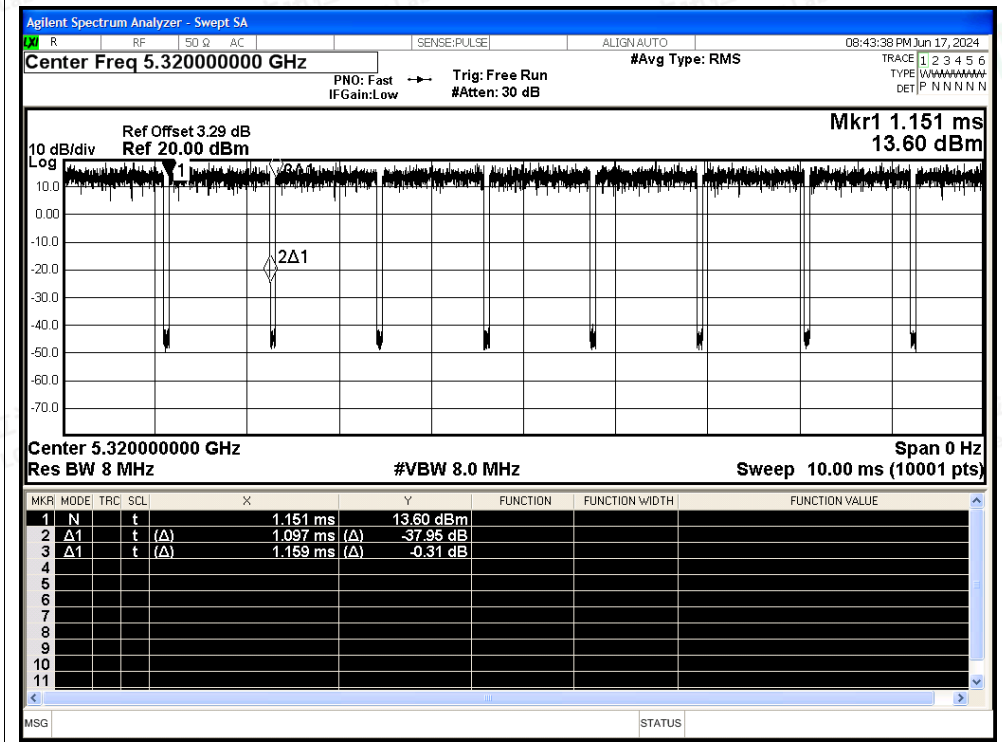


Duty Cycle NVNT a 5300MHz Ant

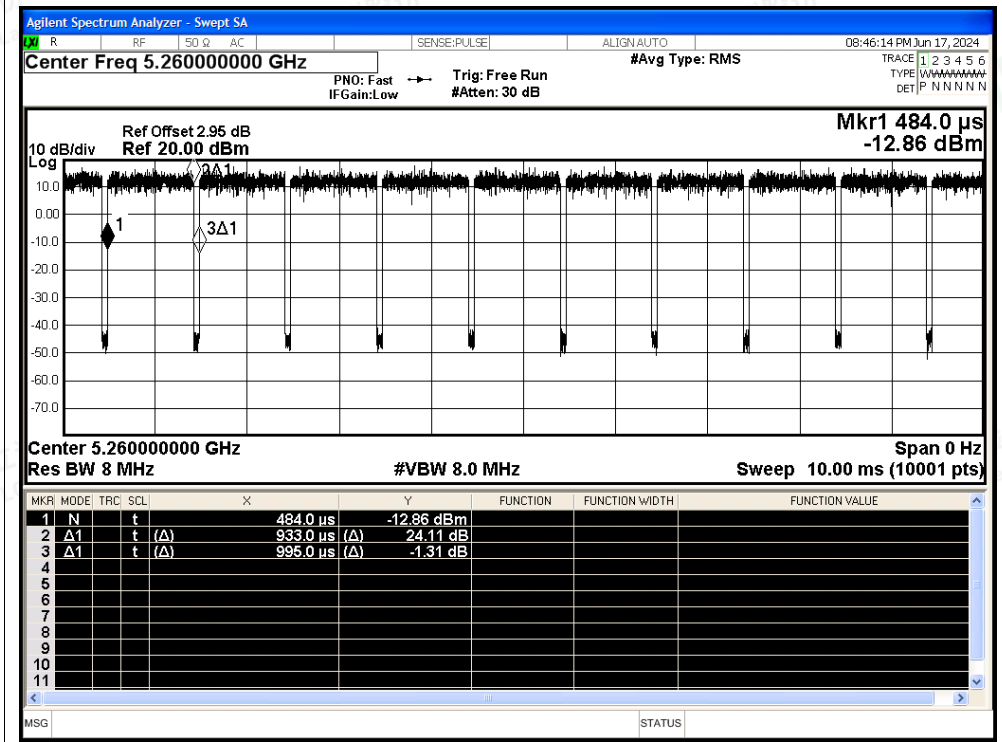




Duty Cycle NVNT a 5320MHz Ant

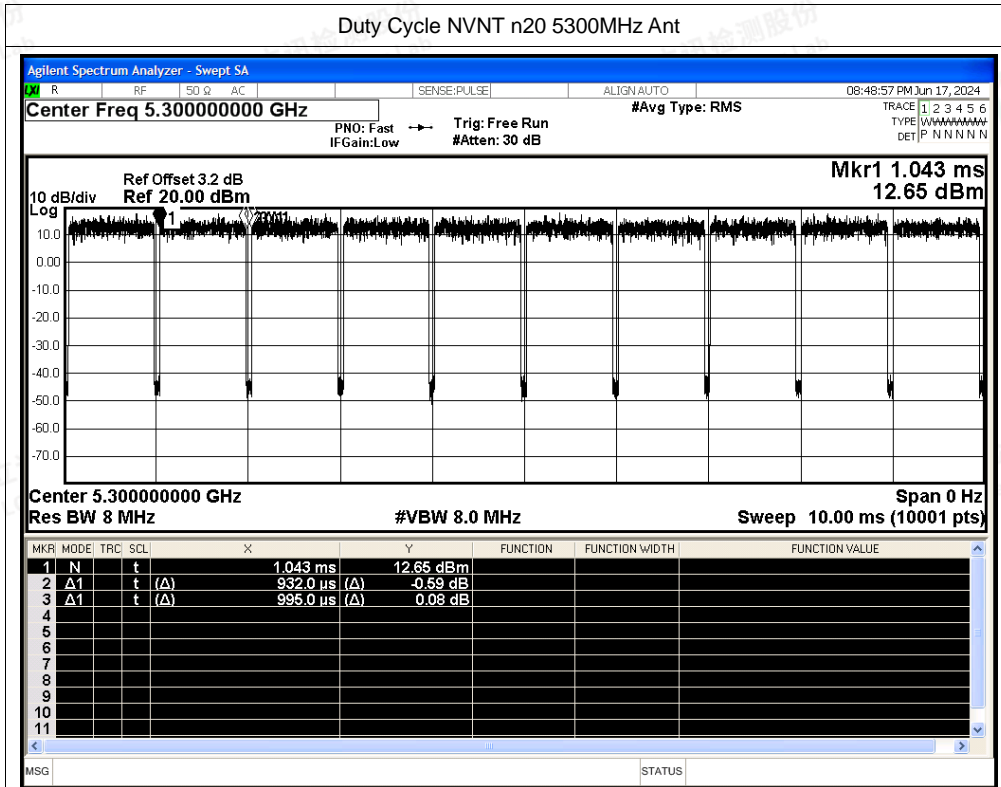


Duty Cycle NVNT n20 5260MHz Ant

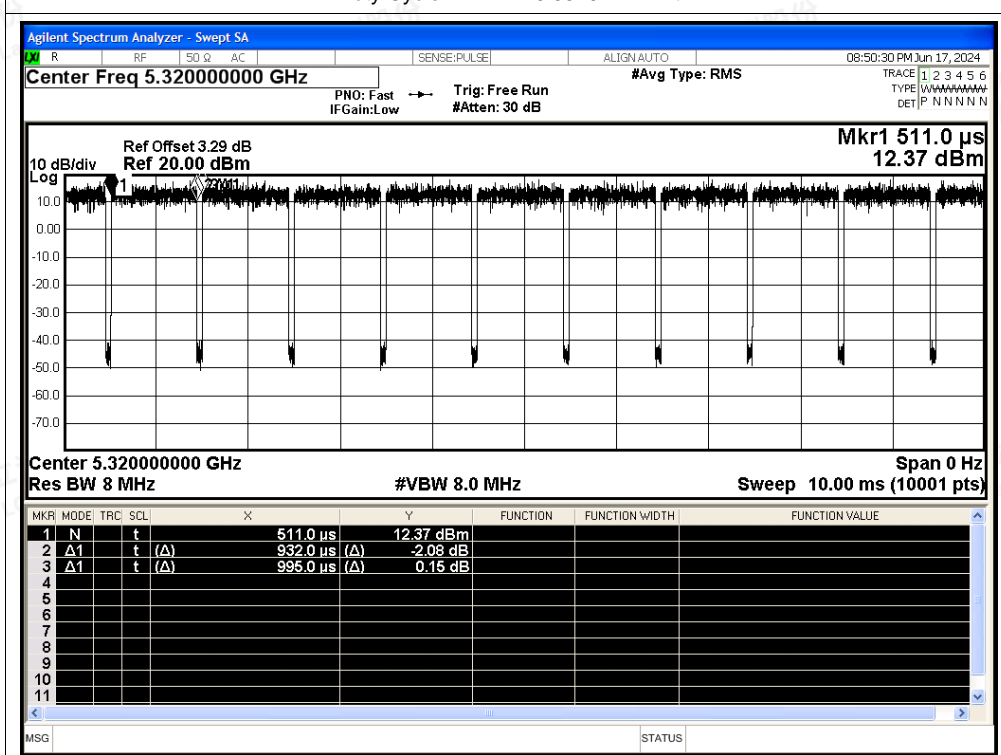




Duty Cycle NVNT n20 5300MHz Ant

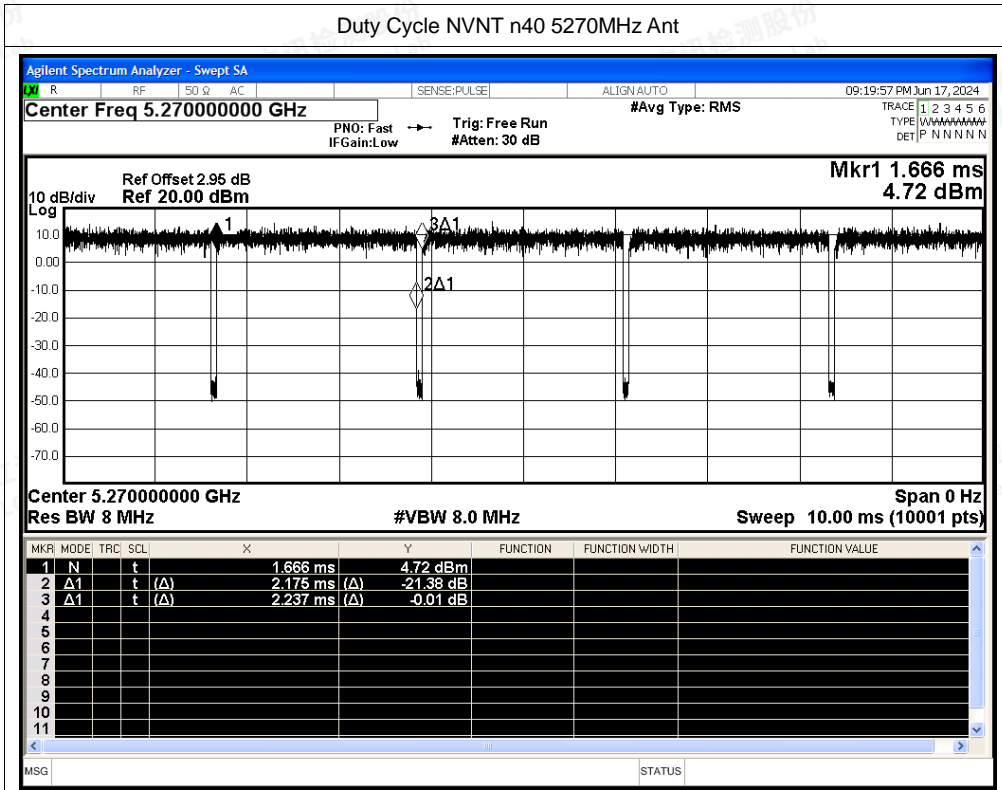


Duty Cycle NVNT n20 5320MHz Ant

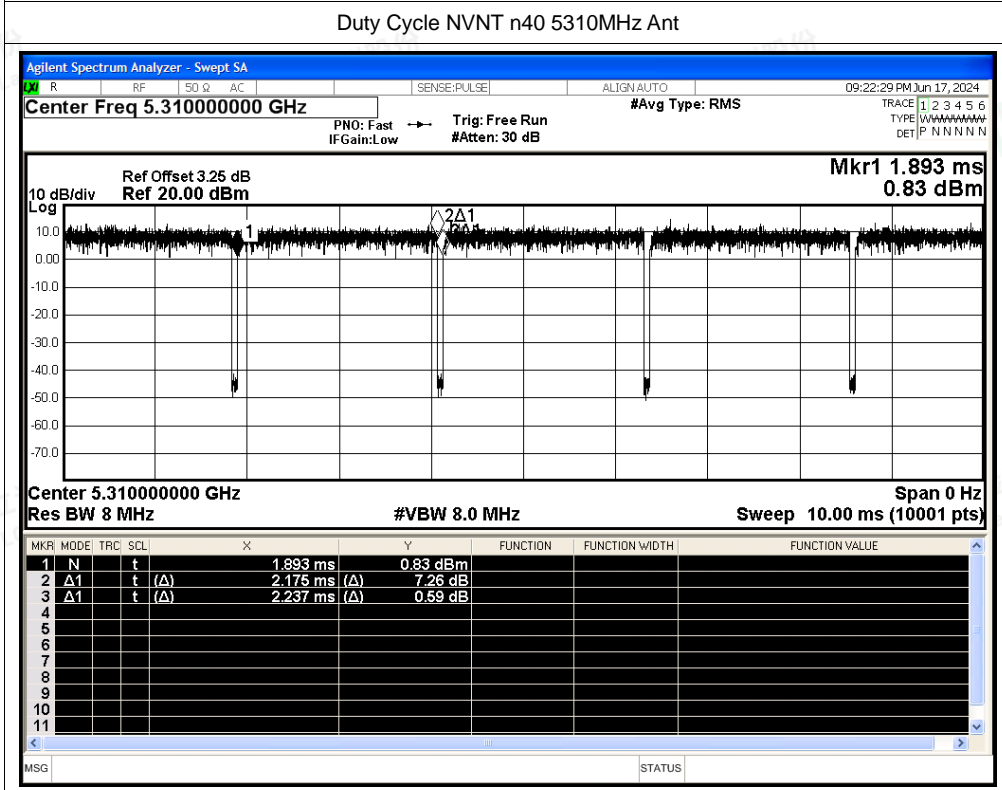




Duty Cycle NVNT n40 5270MHz Ant

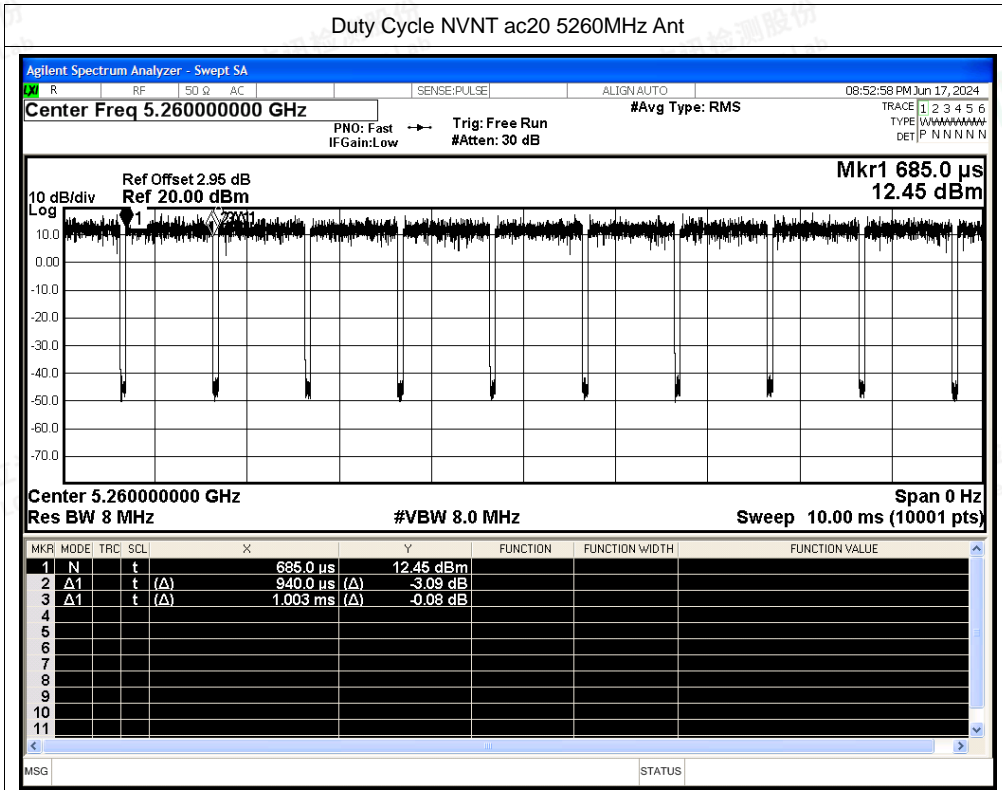


Duty Cycle NVNT n40 5310MHz Ant

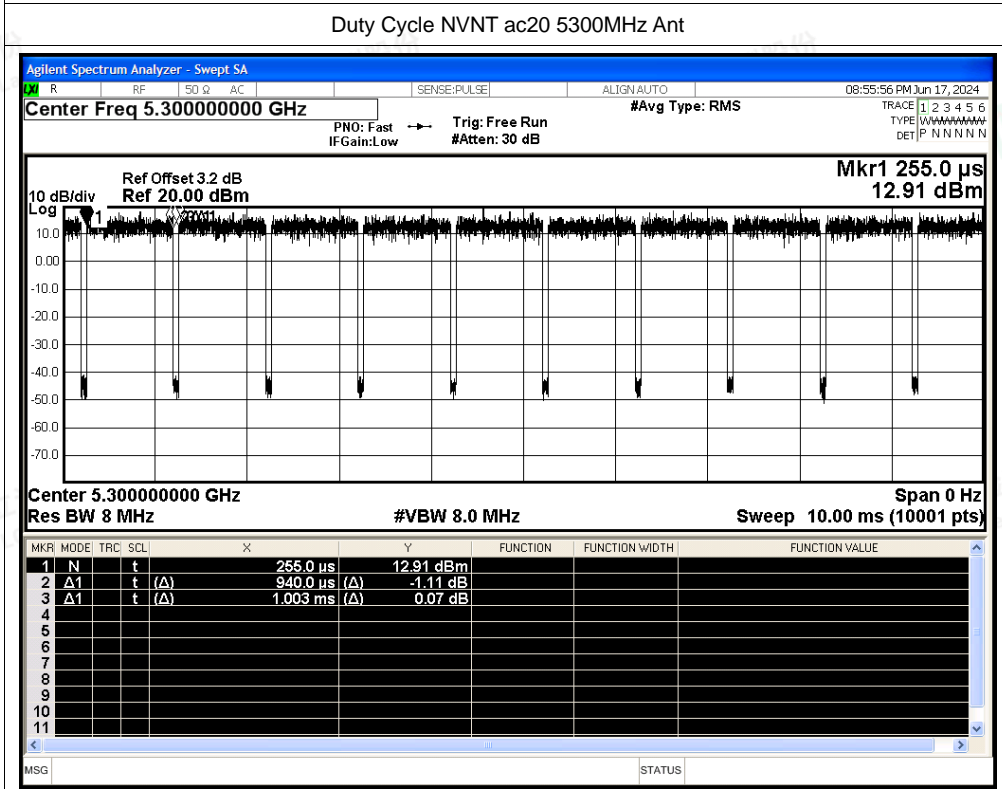




Duty Cycle NVNT ac20 5260MHz Ant

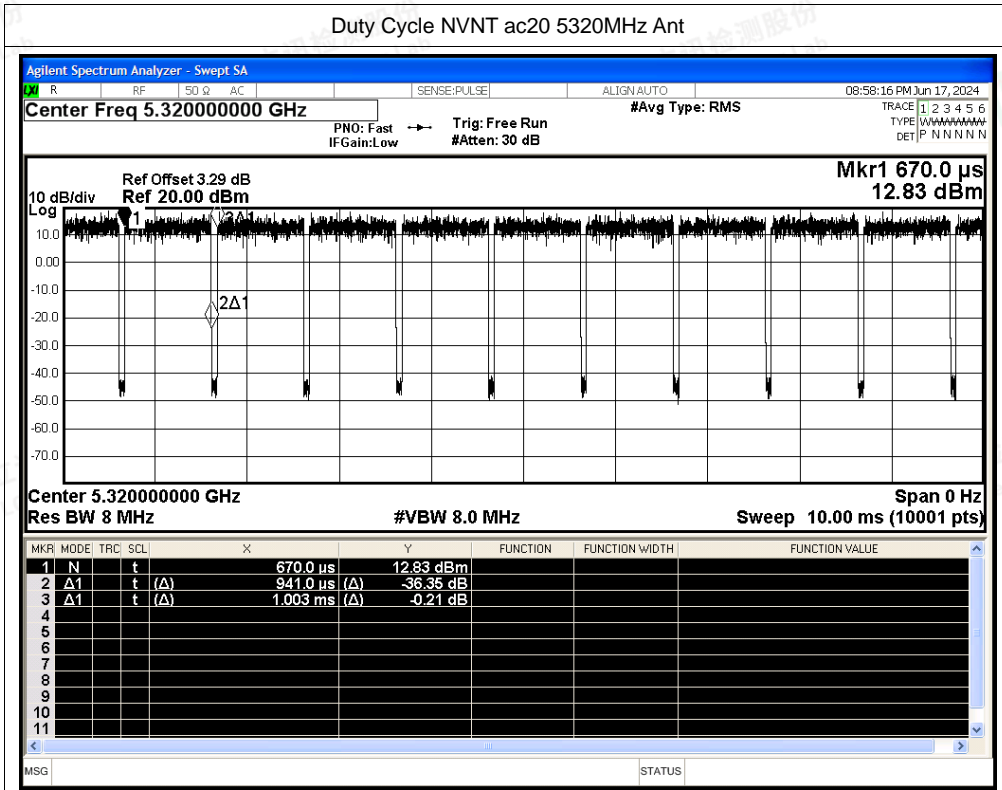


Duty Cycle NVNT ac20 5300MHz Ant

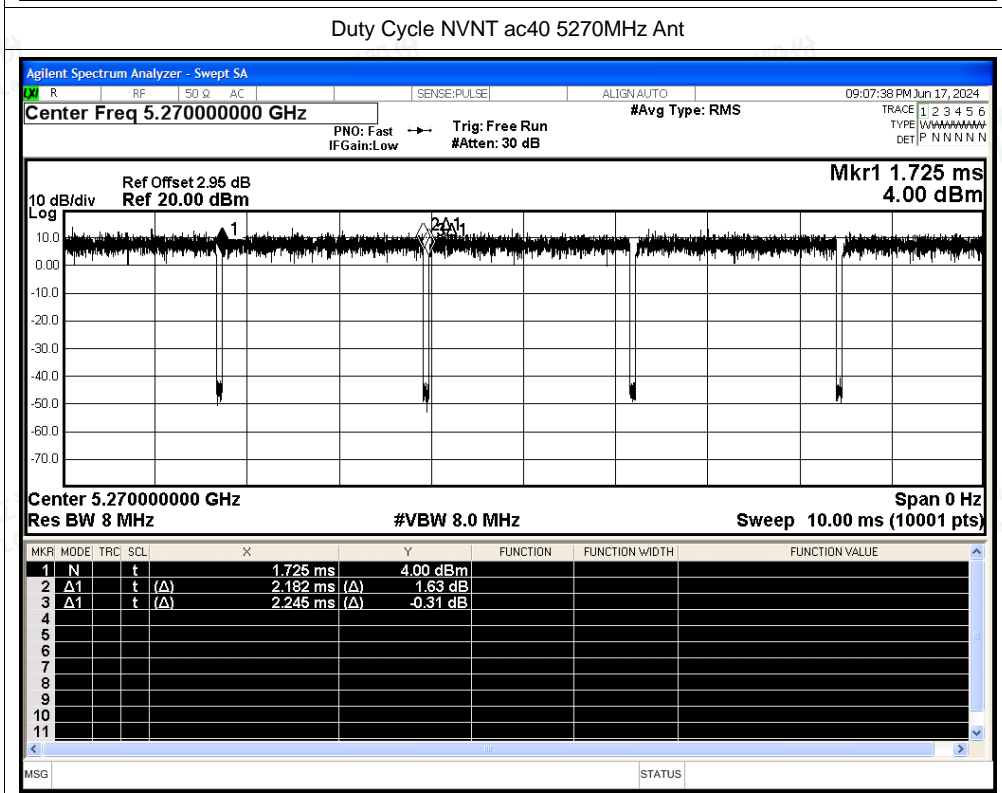




Duty Cycle NVNT ac20 5320MHz Ant

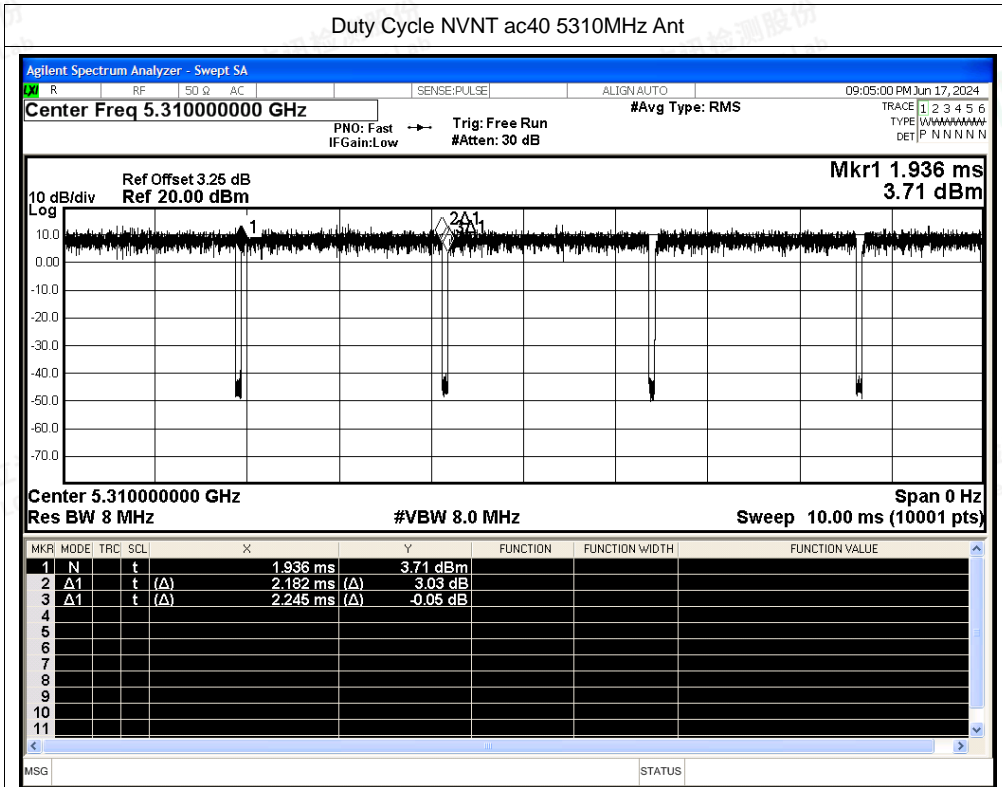


Duty Cycle NVNT ac40 5270MHz Ant





Duty Cycle NVNT ac40 5310MHz Ant



Duty Cycle NVNT ac80 5290MHz Ant

