



Appendix D

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: Floodlight Camera

Test Model: 3-LBC65M

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
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	5260	Ant1	24.972	≥ 0.5	Pass
NVNT	a	5300	Ant1	26.387	≥ 0.5	Pass
NVNT	a	5320	Ant1	27.477	≥ 0.5	Pass
NVNT	n20	5260	Ant1	28.232	≥ 0.5	Pass
NVNT	n20	5300	Ant1	24.354	≥ 0.5	Pass
NVNT	n20	5320	Ant1	28.166	≥ 0.5	Pass
NVNT	n40	5270	Ant1	39.432	≥ 0.5	Pass
NVNT	n40	5310	Ant1	39.83	≥ 0.5	Pass
NVNT	ac20	5260	Ant1	26.048	≥ 0.5	Pass
NVNT	ac20	5300	Ant1	28.426	≥ 0.5	Pass
NVNT	ac20	5320	Ant1	27.11	≥ 0.5	Pass
NVNT	ac40	5270	Ant1	45.821	≥ 0.5	Pass
NVNT	ac40	5310	Ant1	45.815	≥ 0.5	Pass
NVNT	ac80	5290	Ant1	79.544	≥ 0.5	Pass

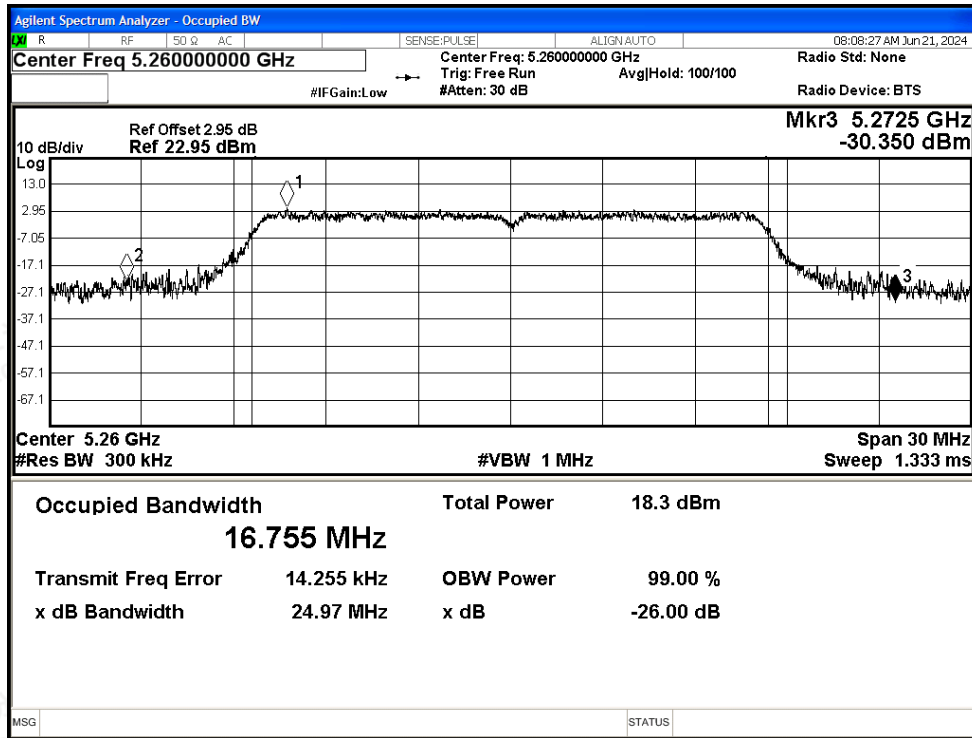


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

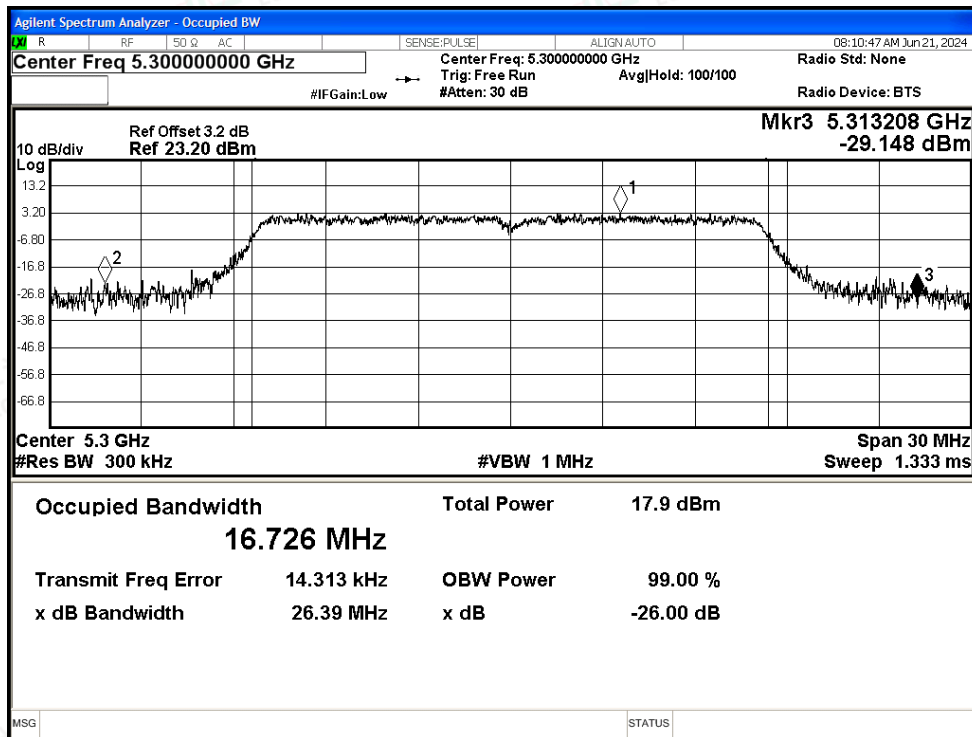


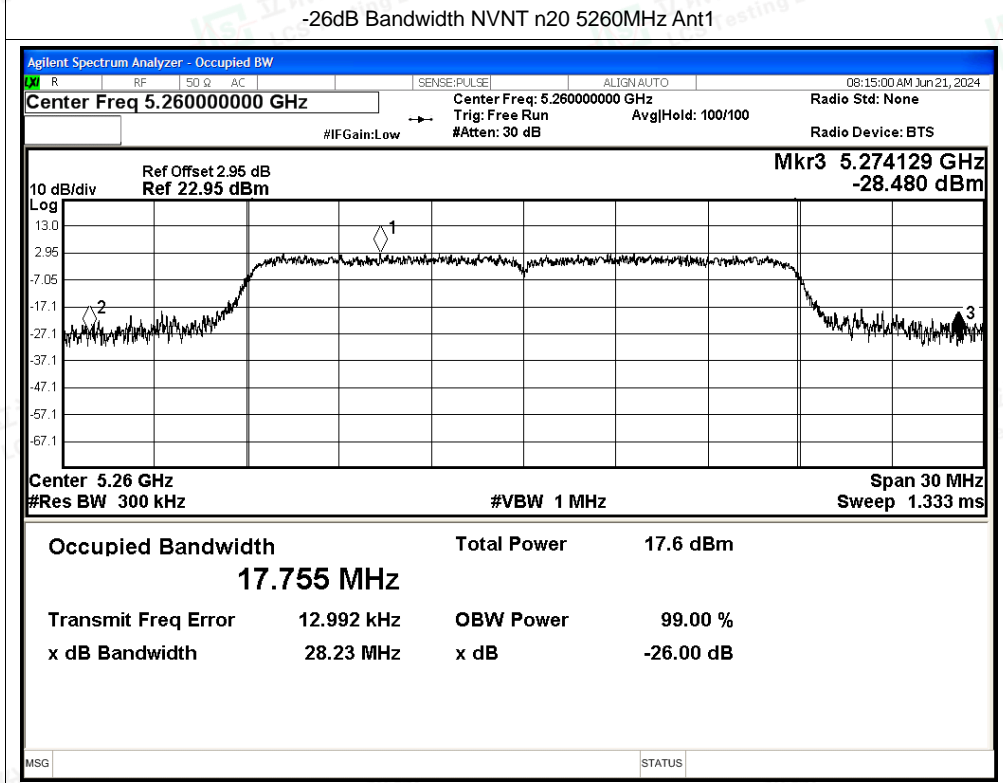
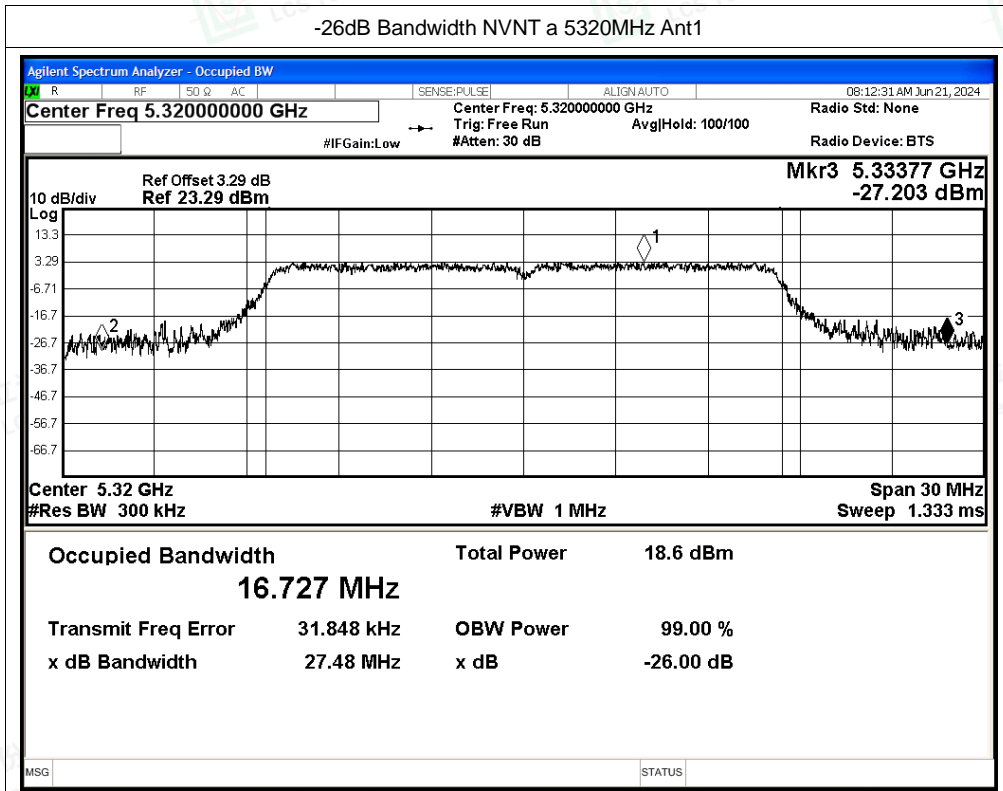
Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1



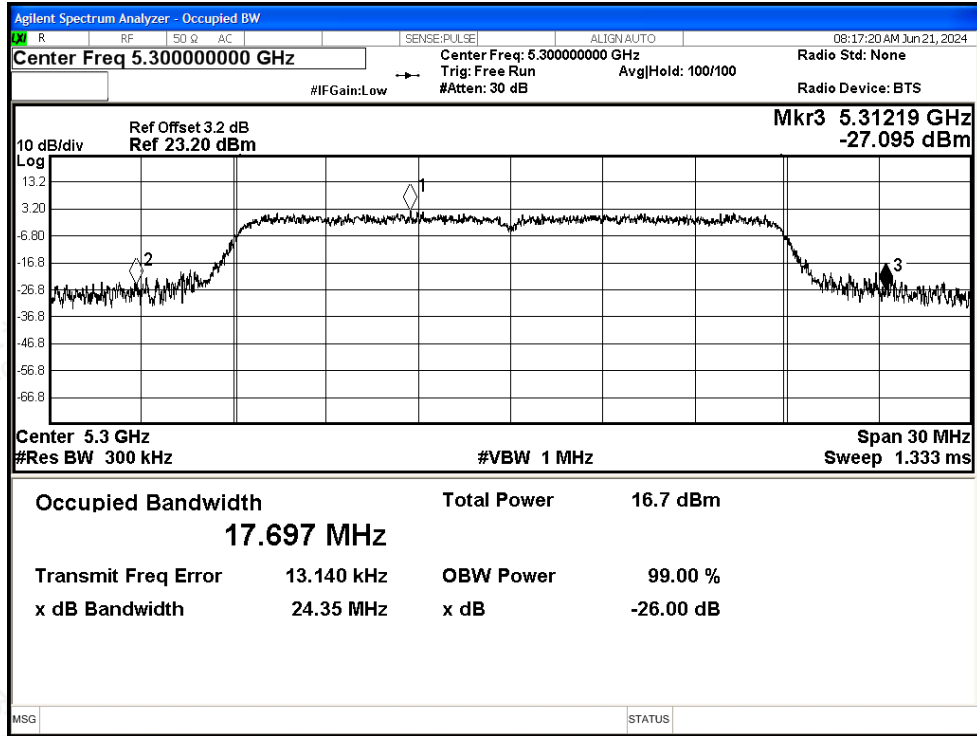
-26dB Bandwidth NVNT a 5300MHz Ant1



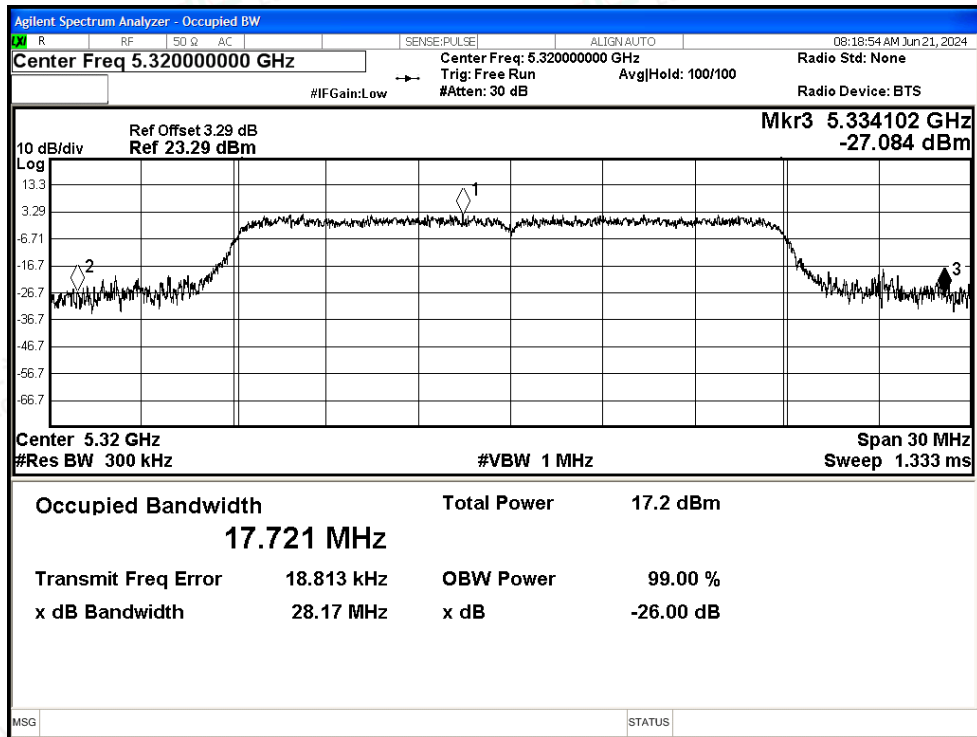




-26dB Bandwidth NVNT n20 5300MHz Ant1

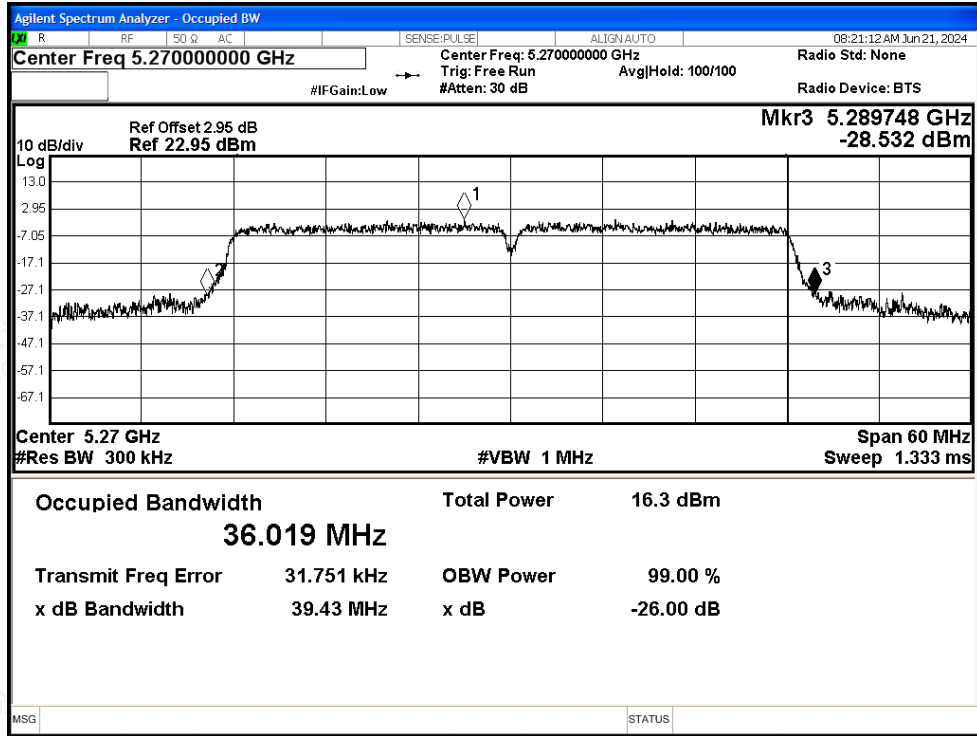


-26dB Bandwidth NVNT n20 5320MHz Ant1

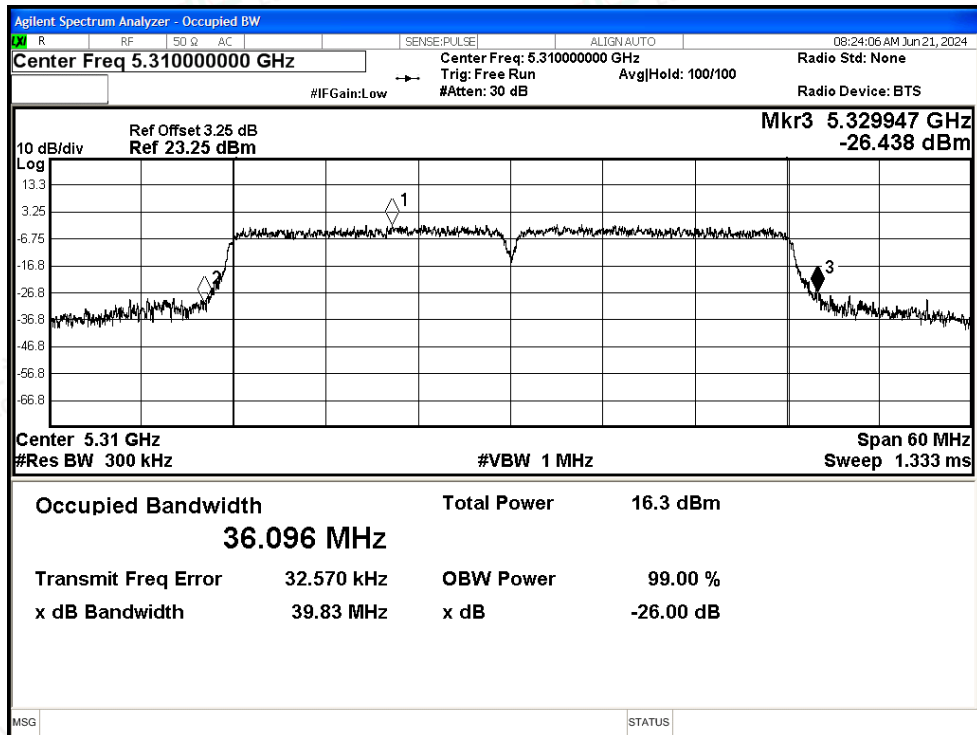




-26dB Bandwidth NVNT n40 5270MHz Ant1



-26dB Bandwidth NVNT n40 5310MHz Ant1

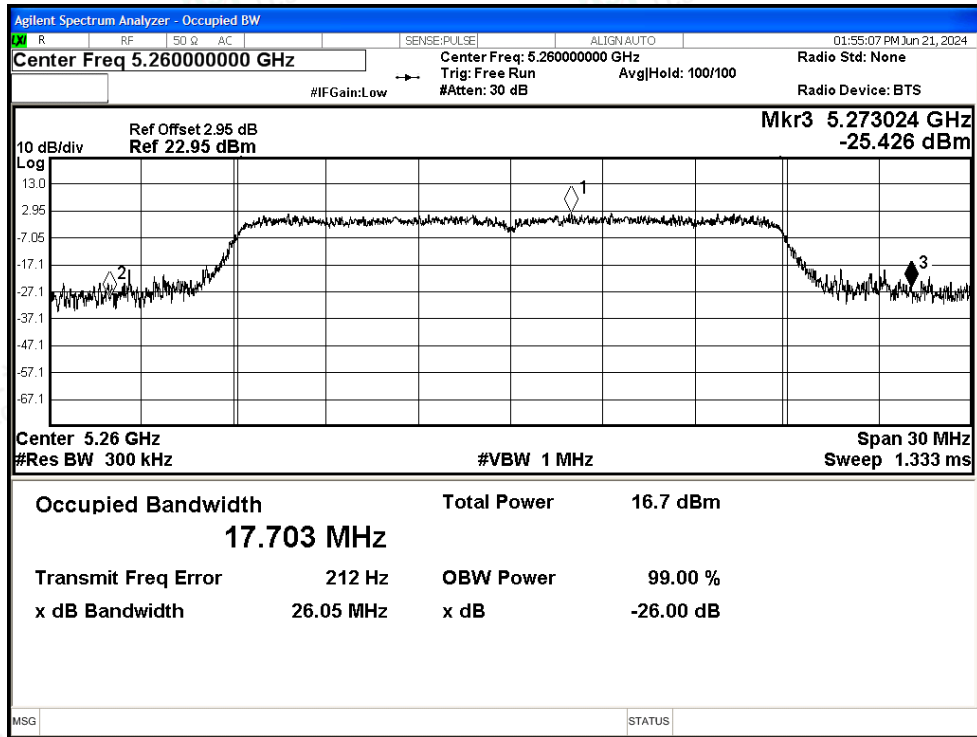


Test Graphs

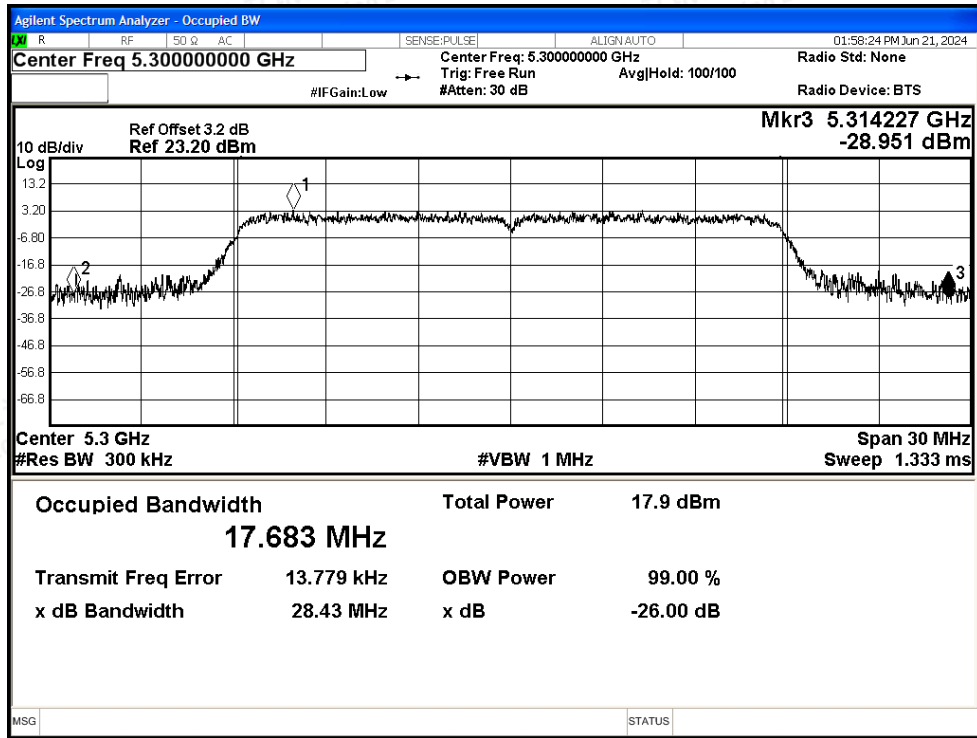




-26dB Bandwidth NVNT ac20 5260MHz Ant1

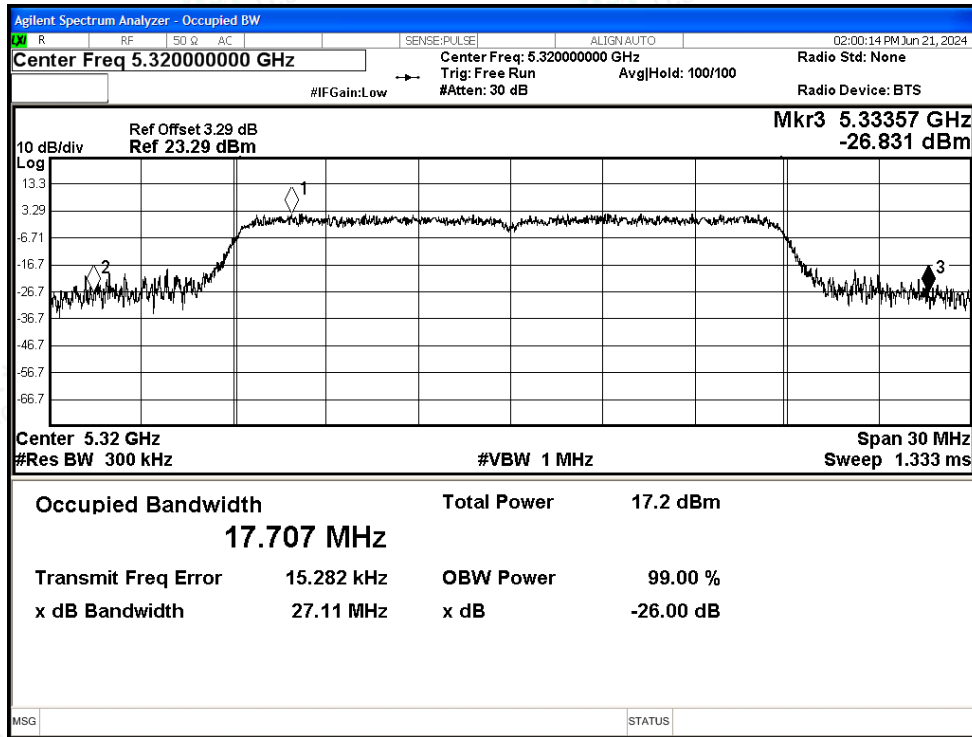


-26dB Bandwidth NVNT ac20 5300MHz Ant1

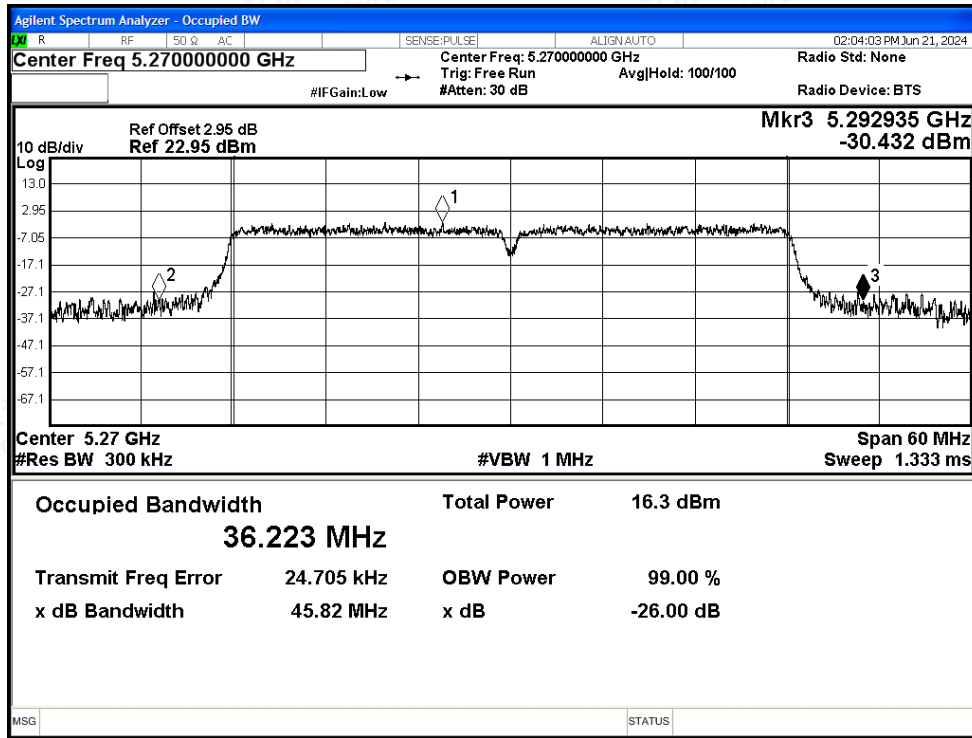




-26dB Bandwidth NVNT ac20 5320MHz Ant1

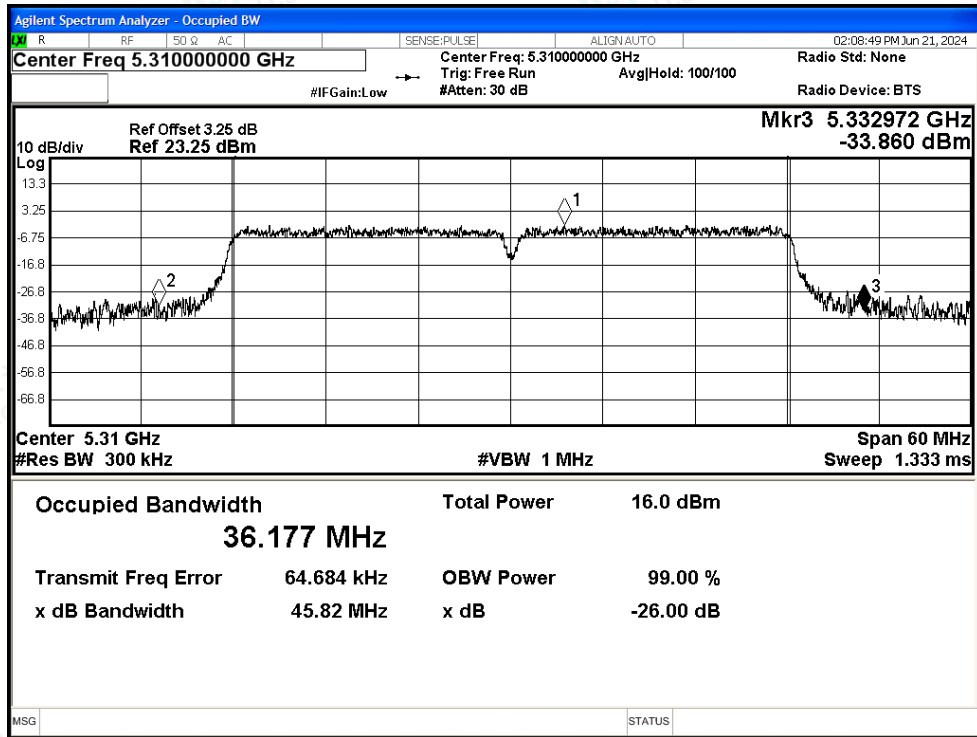


-26dB Bandwidth NVNT ac40 5270MHz Ant1

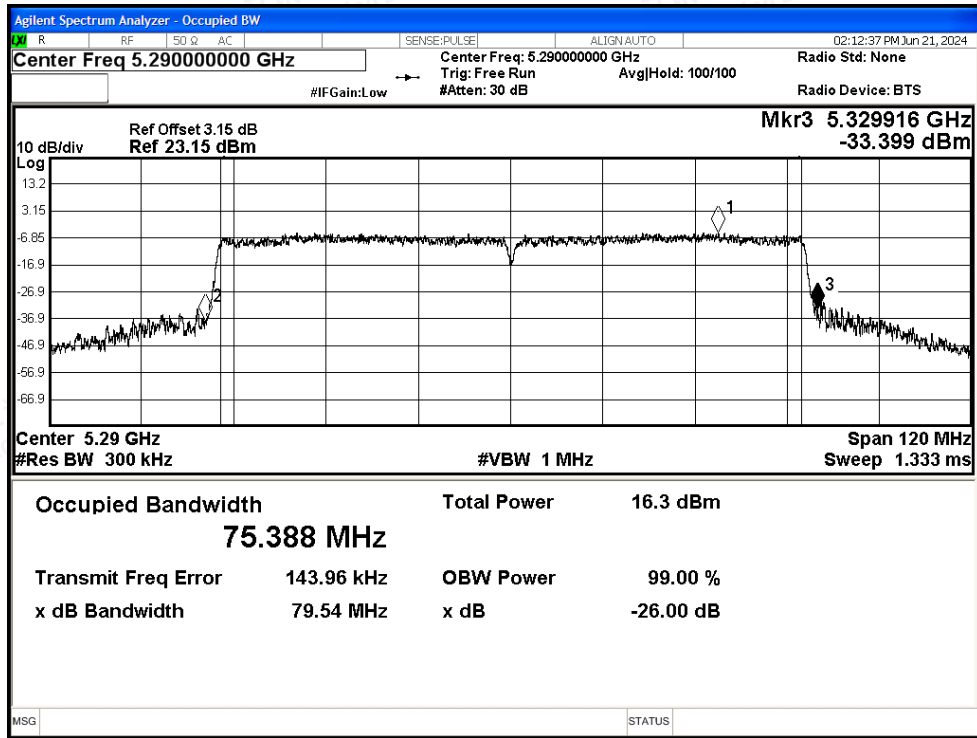




-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz 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	5260	Ant1	12.63	0.24	12.87	24	Pass
NVNT	a	5300	Ant1	12.04	0.24	12.28	24	Pass
NVNT	a	5320	Ant1	12.86	0.24	13.1	24	Pass
NVNT	n20	5260	Ant1	11.96	0.28	12.24	24	Pass
NVNT	n20	5300	Ant1	10.99	0.28	11.27	24	Pass
NVNT	n20	5320	Ant1	11.55	0.28	11.83	24	Pass
NVNT	n40	5270	Ant1	10.01	0.55	10.56	24	Pass
NVNT	n40	5310	Ant1	10.44	0.55	10.99	24	Pass
NVNT	ac20	5260	Ant1	11.02	0.28	11.3	24	Pass
NVNT	ac20	5300	Ant1	11.16	0.28	11.44	24	Pass
NVNT	ac20	5320	Ant1	11.57	0.28	11.85	24	Pass
NVNT	ac40	5270	Ant1	10.55	0.44	10.99	24	Pass
NVNT	ac40	5310	Ant1	10.07	0.45	10.52	24	Pass
NVNT	ac80	5290	Ant1	9.87	0.62	10.49	24	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



D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	2.29	0.24	2.53	11	Pass
NVNT	a	5300	Ant1	1.65	0.24	1.89	11	Pass
NVNT	a	5320	Ant1	2.47	0.24	2.71	11	Pass
NVNT	n20	5260	Ant1	1.53	0.28	1.81	11	Pass
NVNT	n20	5300	Ant1	0.33	0.28	0.61	11	Pass
NVNT	n20	5320	Ant1	1	0.28	1.28	11	Pass
NVNT	n40	5270	Ant1	-3.31	0.55	-2.76	11	Pass
NVNT	n40	5310	Ant1	-3.27	0.55	-2.72	11	Pass
NVNT	ac20	5260	Ant1	0.36	0.28	0.64	11	Pass
NVNT	ac20	5300	Ant1	1.44	0.28	1.72	11	Pass
NVNT	ac20	5320	Ant1	0.95	0.28	1.23	11	Pass
NVNT	ac40	5270	Ant1	-3.38	0.44	-2.94	11	Pass
NVNT	ac40	5310	Ant1	-3.5	0.45	-3.05	11	Pass
NVNT	ac80	5290	Ant1	-6.85	0.62	-6.23	11	Pass

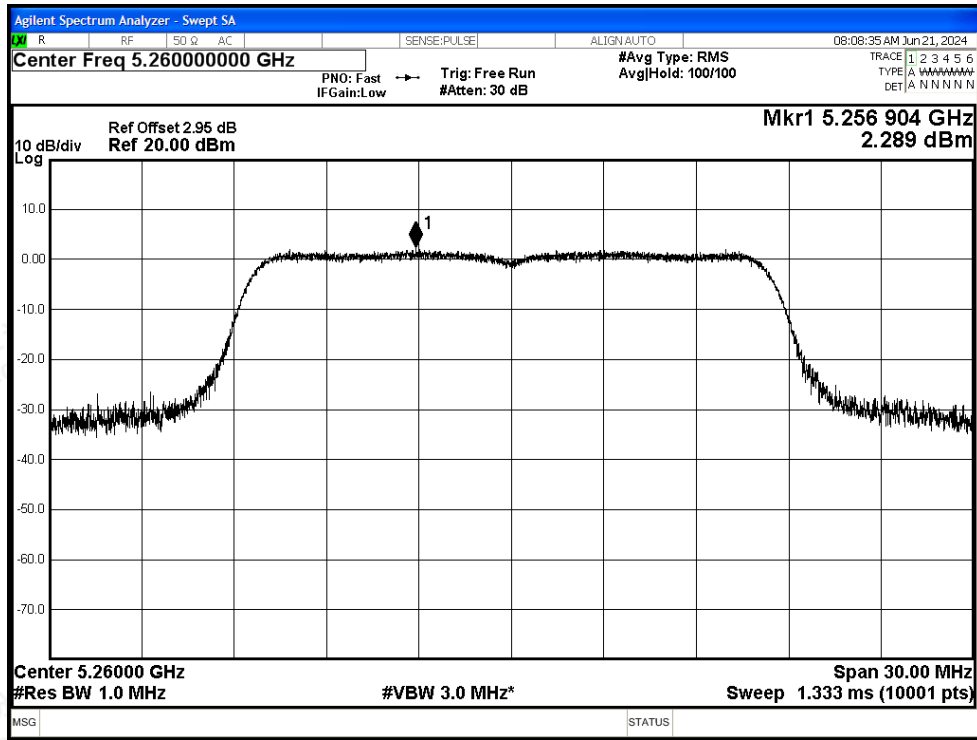


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

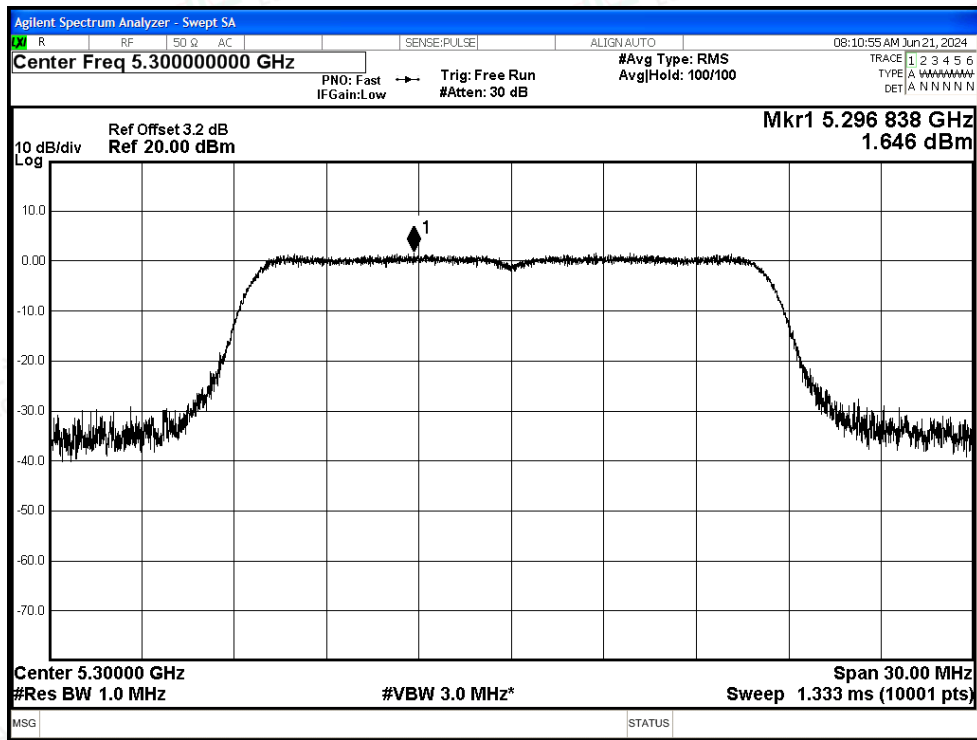


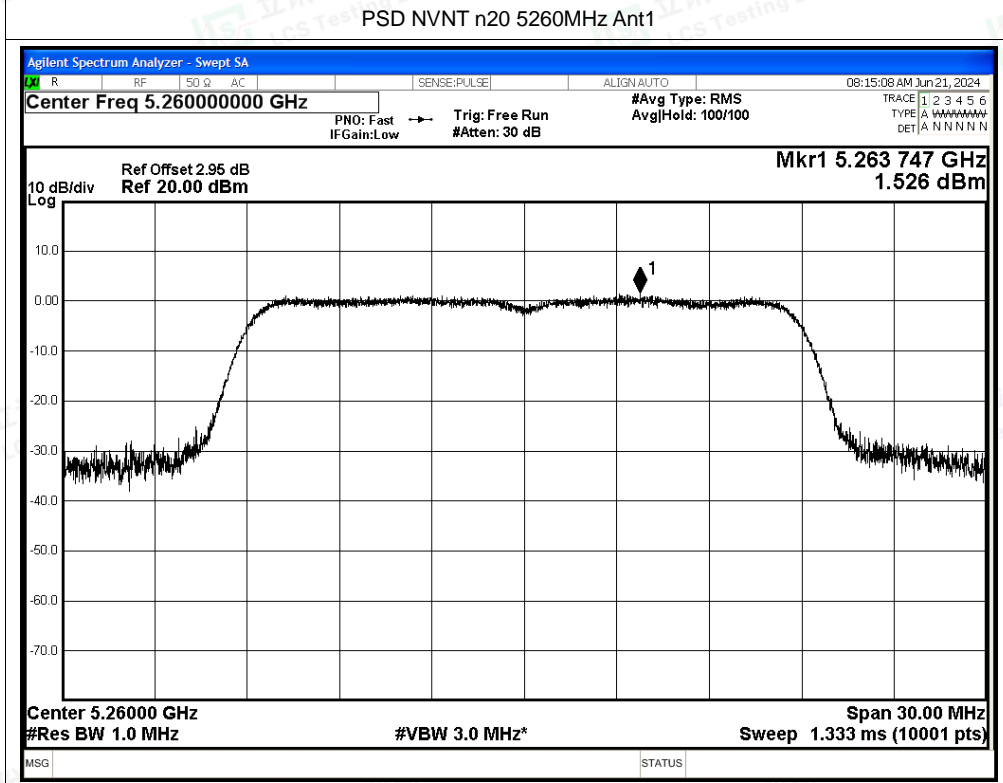
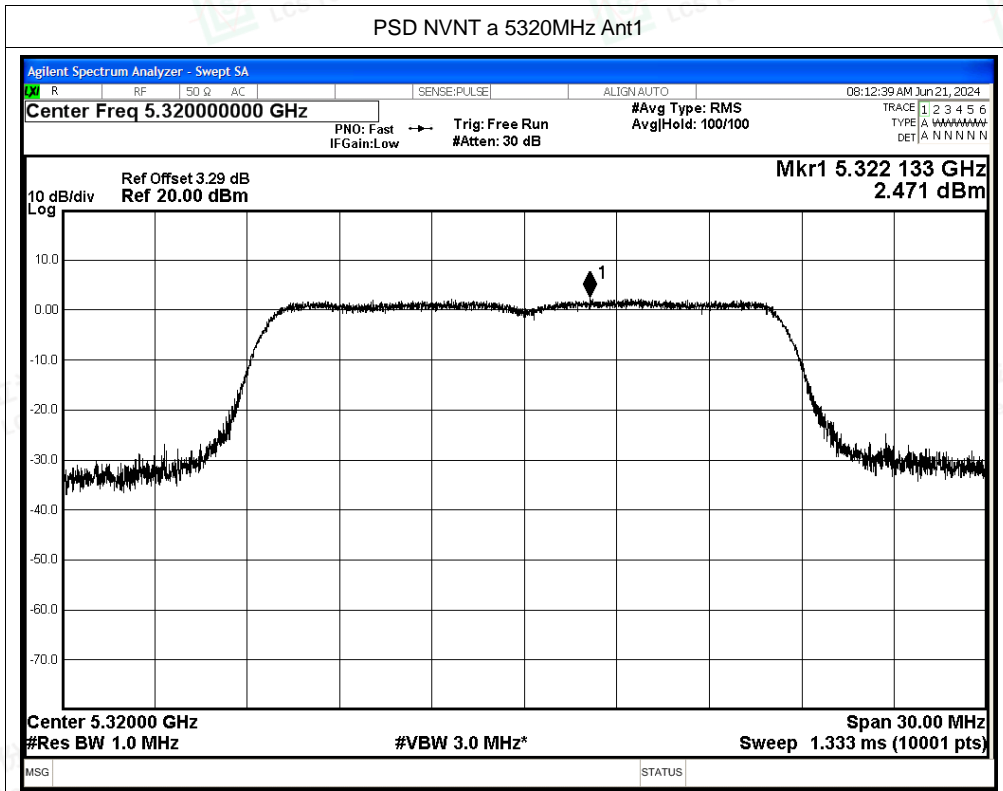
Test Graphs

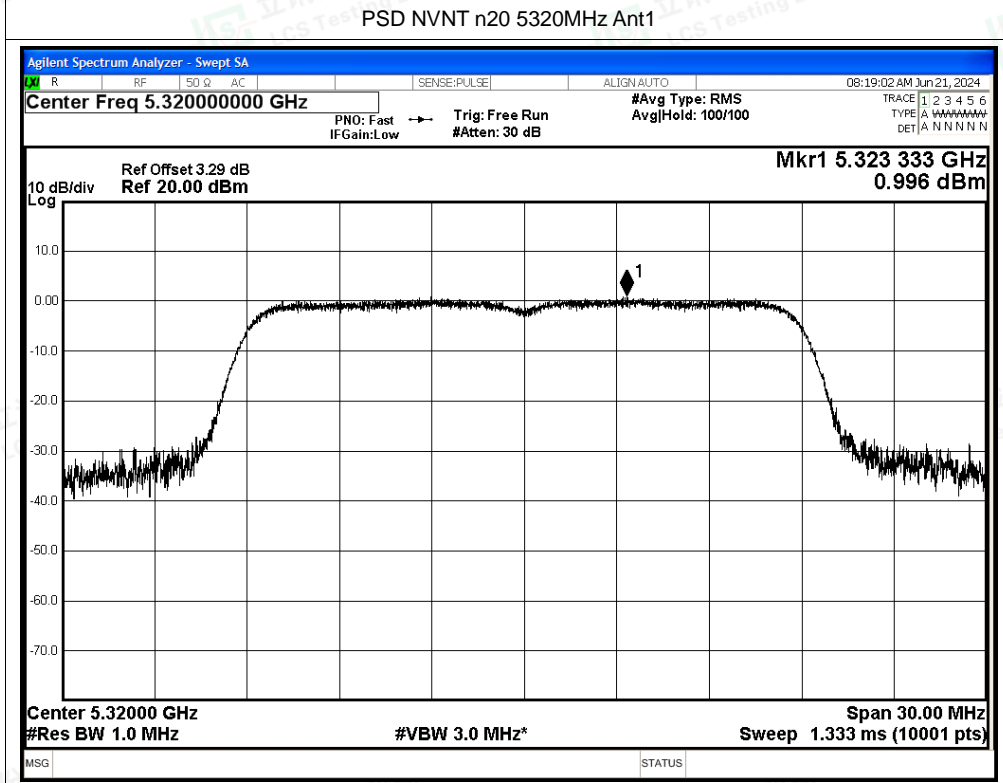
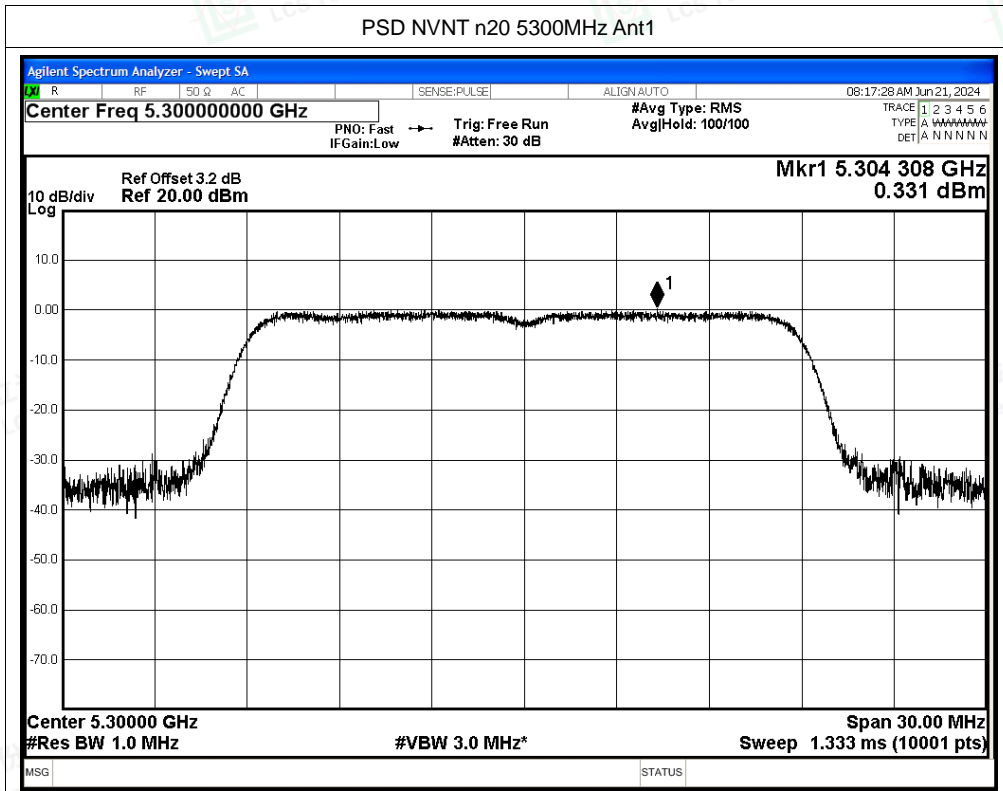
PSD NVNT a 5260MHz Ant1

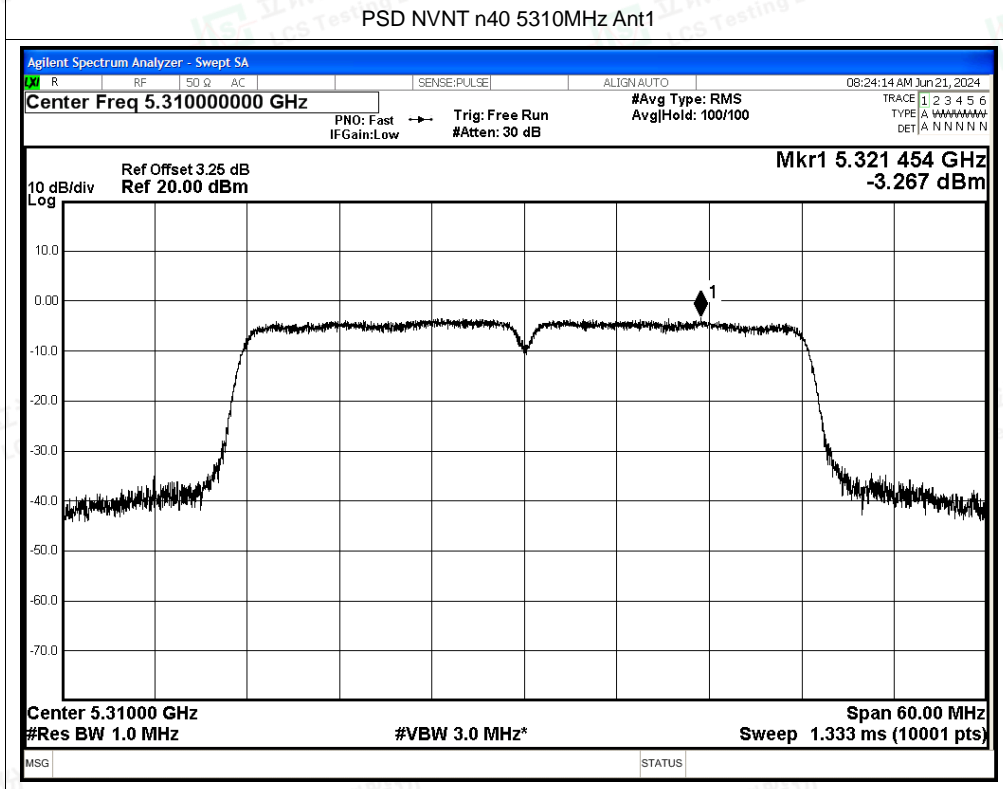
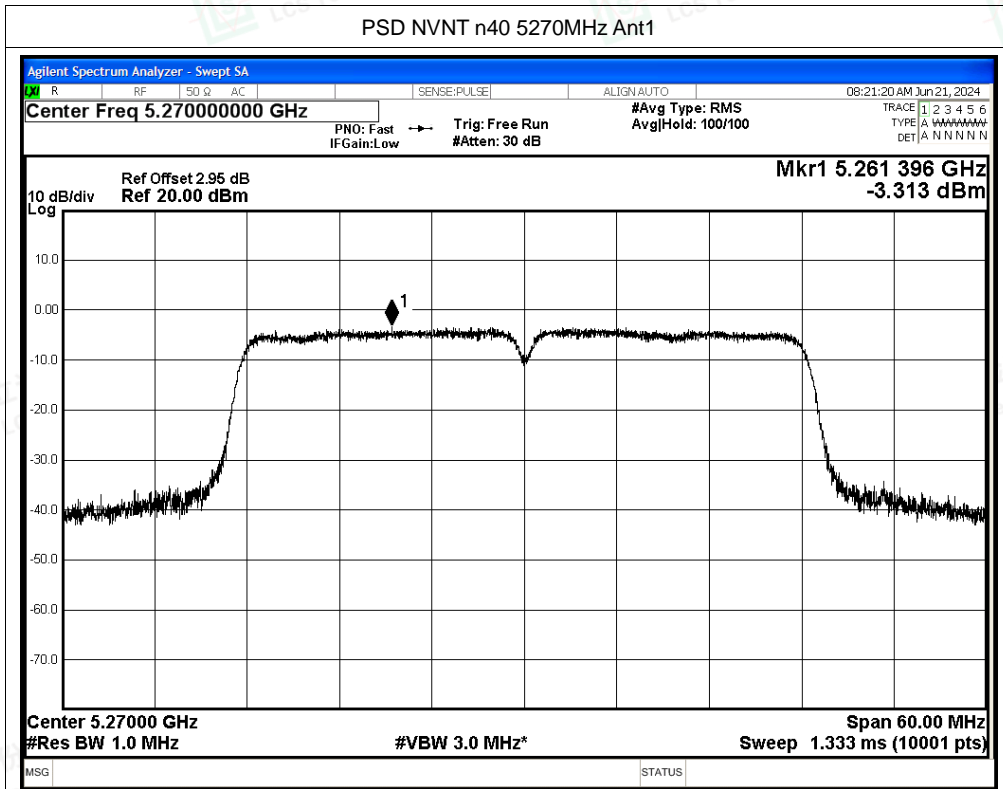


PSD NVNT a 5300MHz Ant1



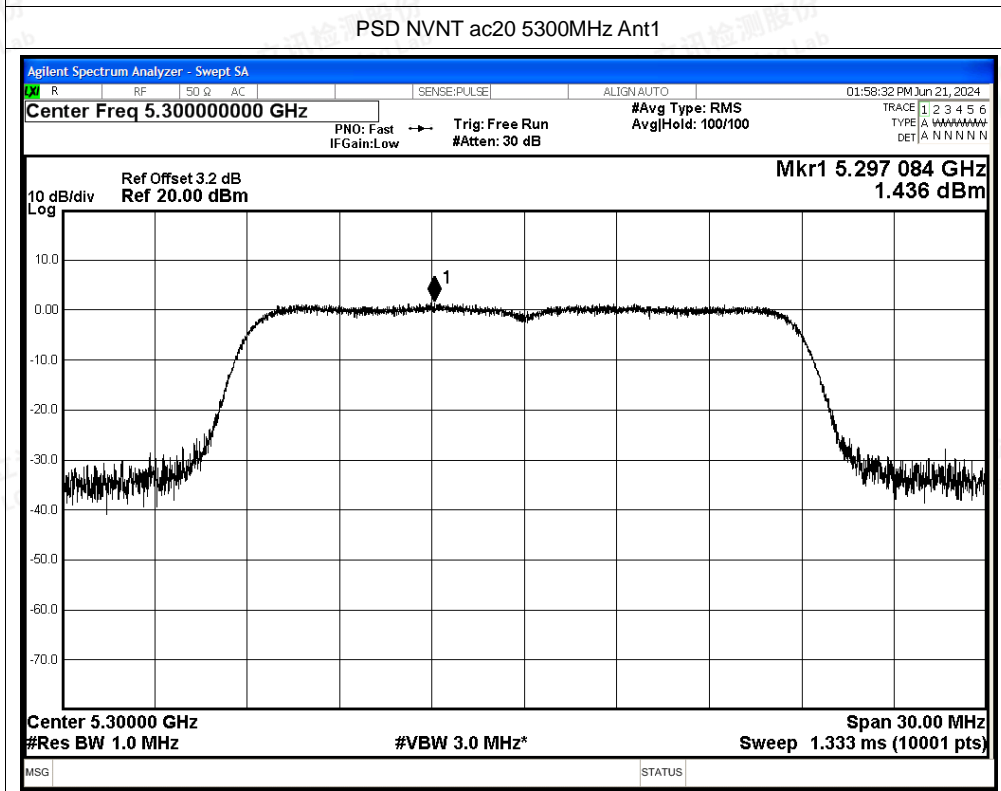
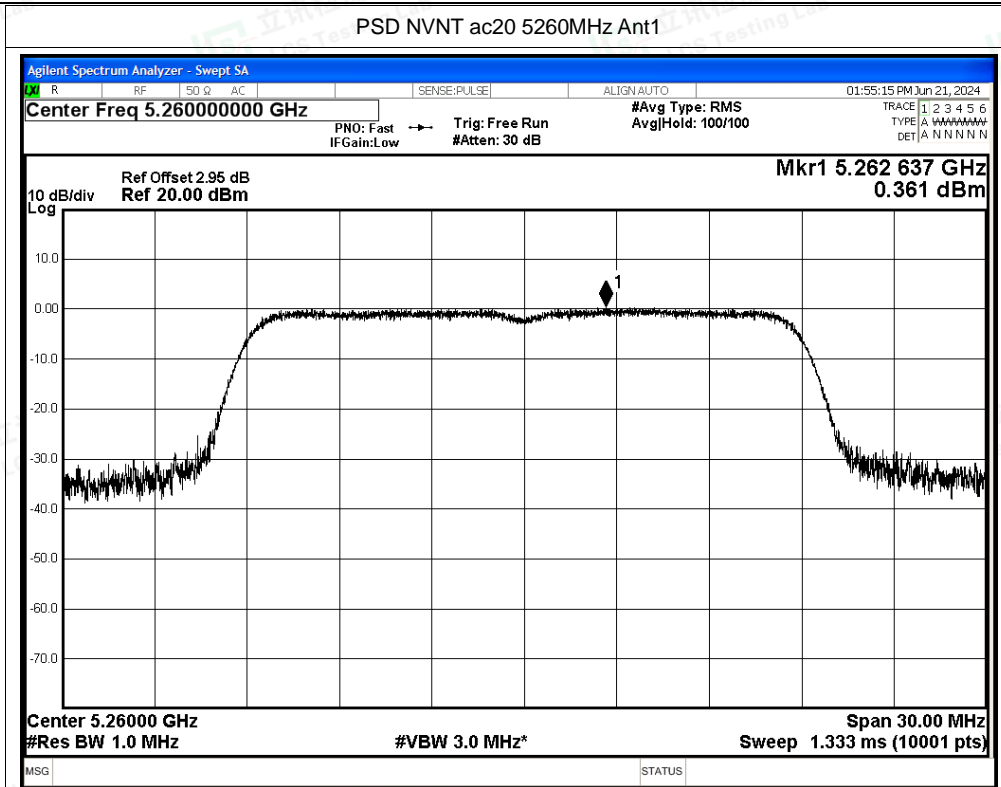


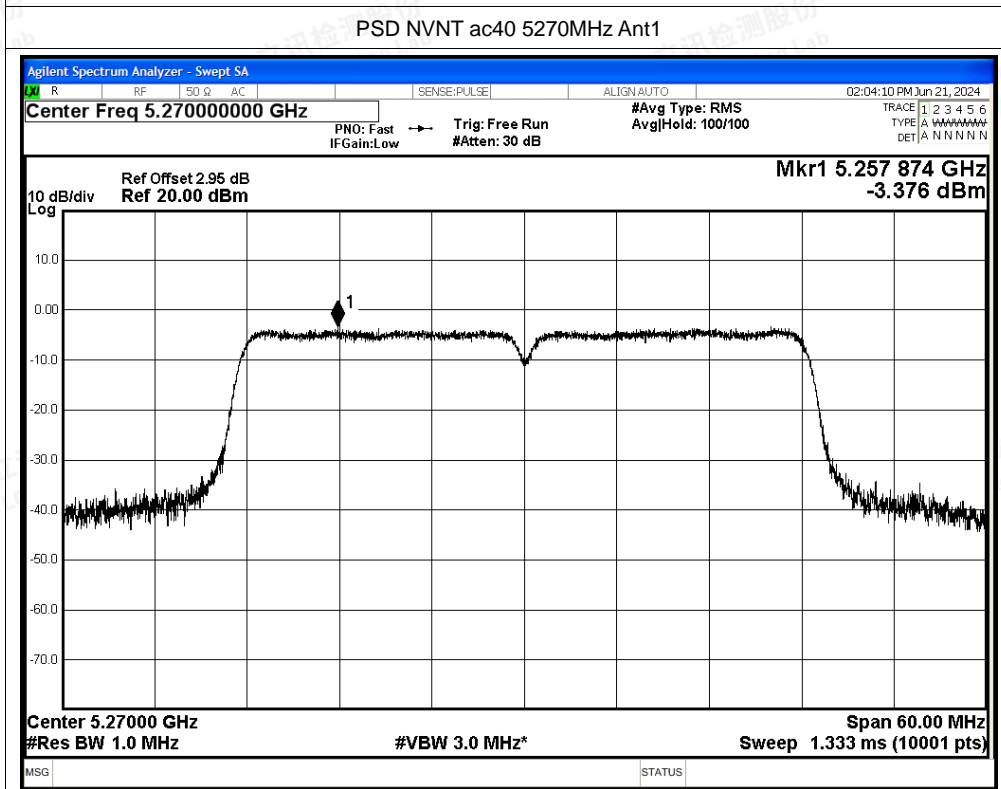
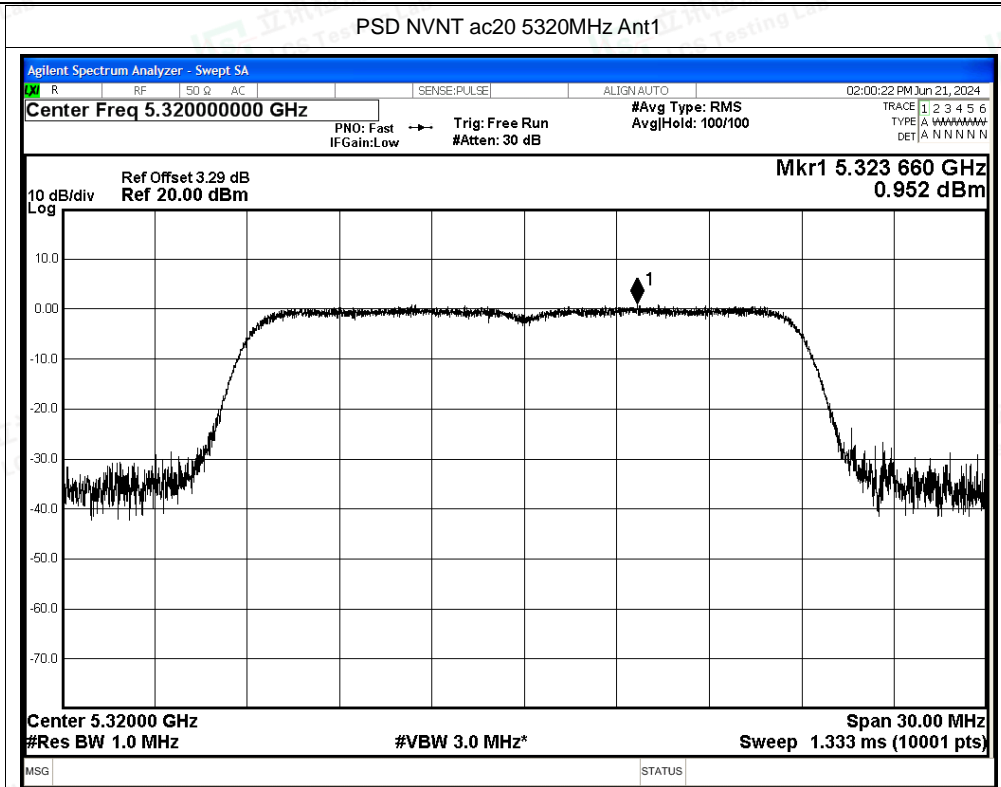


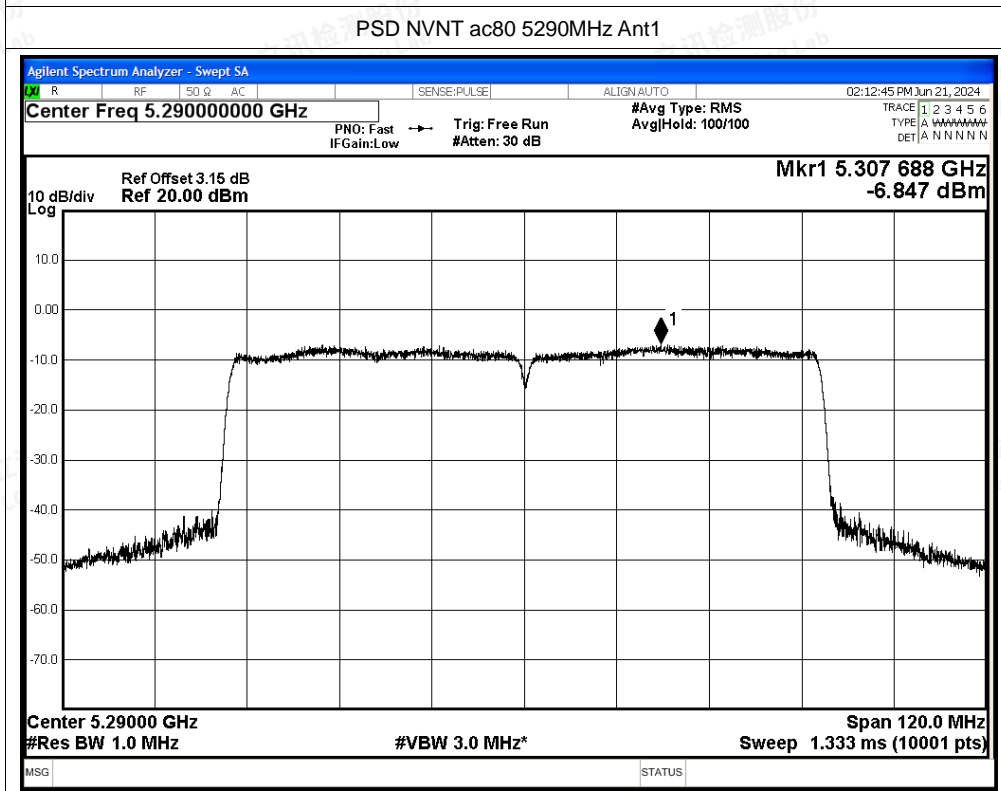
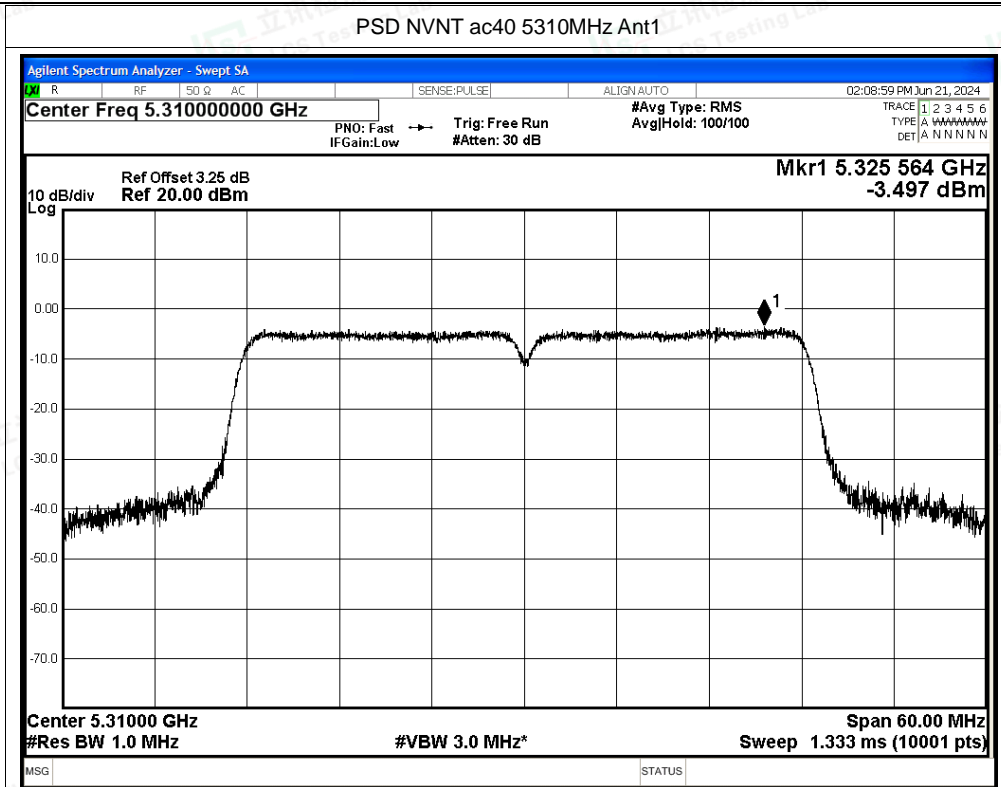


Test Graphs











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	5260	Ant1	4500	-49.66	2.70	-	48.27	Peak	68.2	Pass
NVNT	a	5260	Ant1	4500	-58.91	2.70	0.24	39.26	Average	54	Pass
NVNT	a	5260	Ant1	4787.82	-46.05	2.70	-	51.88	Peak	68.2	Pass
NVNT	a	5260	Ant1	4787.82	-54.65	2.70	0.24	43.52	Average	54	Pass
NVNT	a	5260	Ant1	5150	-48.16	2.70	-	49.77	Peak	68.2	Pass
NVNT	a	5260	Ant1	5150	-56.48	2.70	0.24	41.69	Average	54	Pass
NVNT	a	5320	Ant1	5350	-42.26	2.70	-	55.67	Peak	68.2	Pass
NVNT	a	5320	Ant1	5350	-54.38	2.70	0.24	43.79	Average	54	Pass
NVNT	a	5320	Ant1	5354.8	-41.11	2.70	-	56.82	Peak	68.2	Pass
NVNT	a	5320	Ant1	5350.4	-54.14	2.70	0.24	44.03	Average	54	Pass
NVNT	a	5320	Ant1	5460	-50.51	2.70	-	47.42	Peak	68.2	Pass
NVNT	a	5320	Ant1	5460	-57.84	2.70	0.24	40.33	Average	54	Pass
NVNT	n20	5260	Ant1	4500	-51.87	2.70	-	46.06	Peak	68.2	Pass
NVNT	n20	5260	Ant1	4500	-59.1	2.70	0.28	39.11	Average	54	Pass
NVNT	n20	5260	Ant1	4787.82	-45.02	2.70	-	52.91	Peak	68.2	Pass
NVNT	n20	5260	Ant1	4787.82	-54.92	2.70	0.28	43.29	Average	54	Pass
NVNT	n20	5260	Ant1	5150	-47.94	2.70	-	49.99	Peak	68.2	Pass
NVNT	n20	5260	Ant1	5150	-56.52	2.70	0.28	41.69	Average	54	Pass
NVNT	n20	5320	Ant1	5350	-39.06	2.70	-	58.87	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5350	-54.54	2.70	0.28	43.67	Average	54	Pass
NVNT	n20	5320	Ant1	5350.8	-36.76	2.70	-	61.17	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5350.8	-54.51	2.70	0.28	43.7	Average	54	Pass
NVNT	n20	5320	Ant1	5460	-49.16	2.70	-	48.77	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5460	-57.86	2.70	0.28	40.35	Average	54	Pass
NVNT	n40	5270	Ant1	4500	-50.23	2.70	-	47.7	Peak	68.2	Pass
NVNT	n40	5270	Ant1	4500	-59.12	2.70	0.55	39.36	Average	54	Pass
NVNT	n40	5270	Ant1	4806.99	-44.65	2.70	-	53.28	Peak	68.2	Pass
NVNT	n40	5270	Ant1	4806.99	-52.96	2.70	0.55	45.52	Average	54	Pass
NVNT	n40	5270	Ant1	5150	-48.41	2.70	-	49.52	Peak	68.2	Pass
NVNT	n40	5270	Ant1	5150	-57.19	2.70	0.55	41.29	Average	54	Pass
NVNT	n40	5310	Ant1	5350	-45.97	2.70	-	51.96	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5350	-55.83	2.70	0.55	42.65	Average	54	Pass
NVNT	n40	5310	Ant1	5351	-44.53	2.70	-	53.4	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5460	-50.56	2.70	-	47.37	Peak	68.2	Pass





NVNT	n40	5310	Ant1	5460	-57.88	2.70	0.55	40.6	Average	54	Pass
NVNT	ac20	5260	Ant1	4500	-51.64	2.70	-	46.29	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	4500	-59.52	2.70	0.28	38.69	Average	54	Pass
NVNT	ac20	5260	Ant1	4787.82	-45.78	2.70	-	52.15	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	4787.04	-55.56	2.70	0.28	42.65	Average	54	Pass
NVNT	ac20	5260	Ant1	5150	-48.82	2.70	-	49.11	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	5150	-56.18	2.70	0.28	42.03	Average	54	Pass
NVNT	ac20	5320	Ant1	5350	-34.04	2.70	-	63.89	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5350	-48.22	2.70	0.28	49.99	Average	54	Pass
NVNT	ac20	5320	Ant1	5350.8	-33.02	2.70	-	64.91	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5460	-49.69	2.70	-	48.24	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5460	-58.09	2.70	0.28	40.12	Average	54	Pass
NVNT	ac40	5270	Ant1	4500	-50.77	2.70	-	47.16	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	4500	-58.82	2.70	0.44	39.55	Average	54	Pass
NVNT	ac40	5270	Ant1	4808.61	-43.87	2.70	-	54.06	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	4806.99	-52.46	2.70	0.44	45.91	Average	54	Pass
NVNT	ac40	5270	Ant1	5150	-48.56	2.70	-	49.37	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	5150	-56.52	2.70	0.44	41.85	Average	54	Pass
NVNT	ac40	5310	Ant1	5350	-34.63	2.70	-	63.3	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5350	-50.15	2.70	0.45	48.23	Average	54	Pass
NVNT	ac40	5310	Ant1	5350.4	-33.59	2.70	-	64.34	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5350.4	-49.33	2.70	0.45	49.05	Average	54	Pass
NVNT	ac40	5310	Ant1	5460	-50.97	2.70	-	46.96	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5460	-57.45	2.70	0.45	40.93	Average	54	Pass
NVNT	ac80	5290	Ant1	4500	-50.47	2.70	-	47.46	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	4500	-58.36	2.70	0.62	40.19	Average	54	Pass
NVNT	ac80	5290	Ant1	5044.62	-46.65	2.70	-	51.28	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5123.79	-56.02	2.70	0.62	42.53	Average	54	Pass
NVNT	ac80	5290	Ant1	5150	-47.5	2.70	-	50.43	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5150	-56.43	2.70	0.62	42.12	Average	54	Pass
NVNT	ac80	5290	Ant1	5350	-42.72	2.70	-	55.21	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5350	-52.14	2.70	0.62	46.41	Average	54	Pass
NVNT	ac80	5290	Ant1	5351	-37.59	2.70	-	60.34	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5350.5	-51.48	2.70	0.62	47.07	Average	54	Pass
NVNT	ac80	5290	Ant1	5460	-50.09	2.70	-	47.84	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5460	-57.77	2.70	0.62	40.78	Average	54	Pass

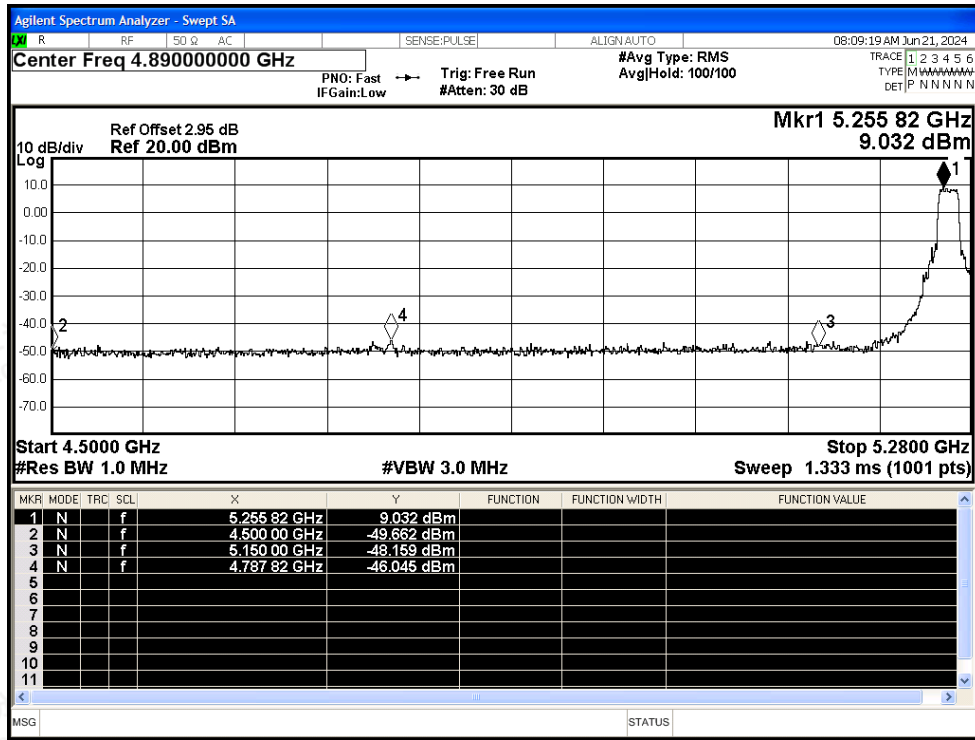


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

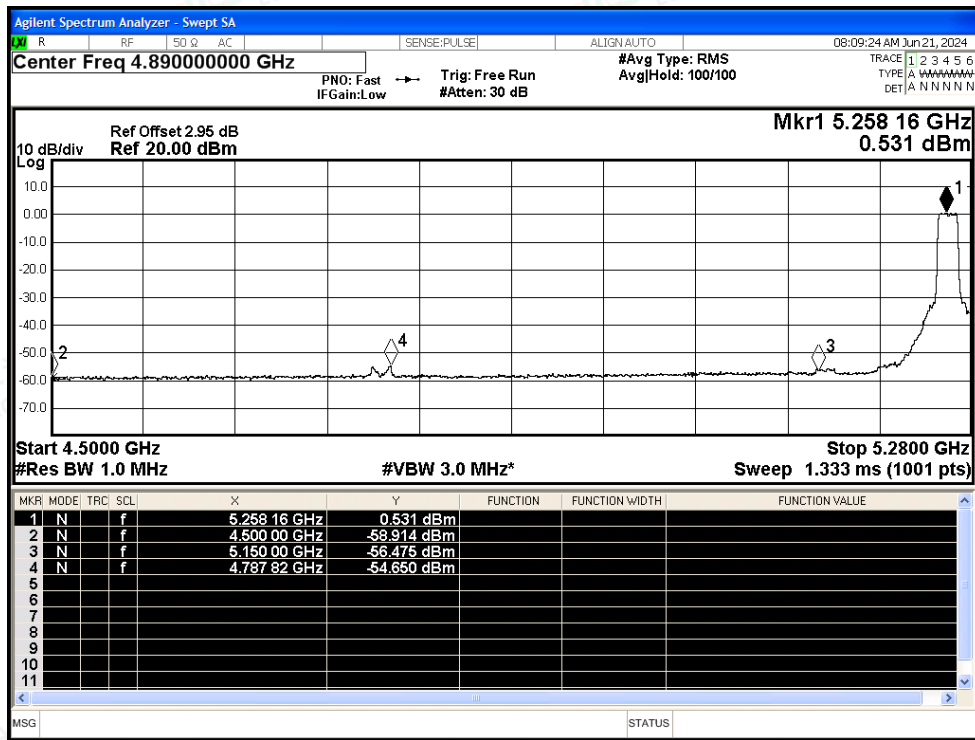


Test Graphs

Restrict Band NVNT a 5260MHz Ant1 Peak

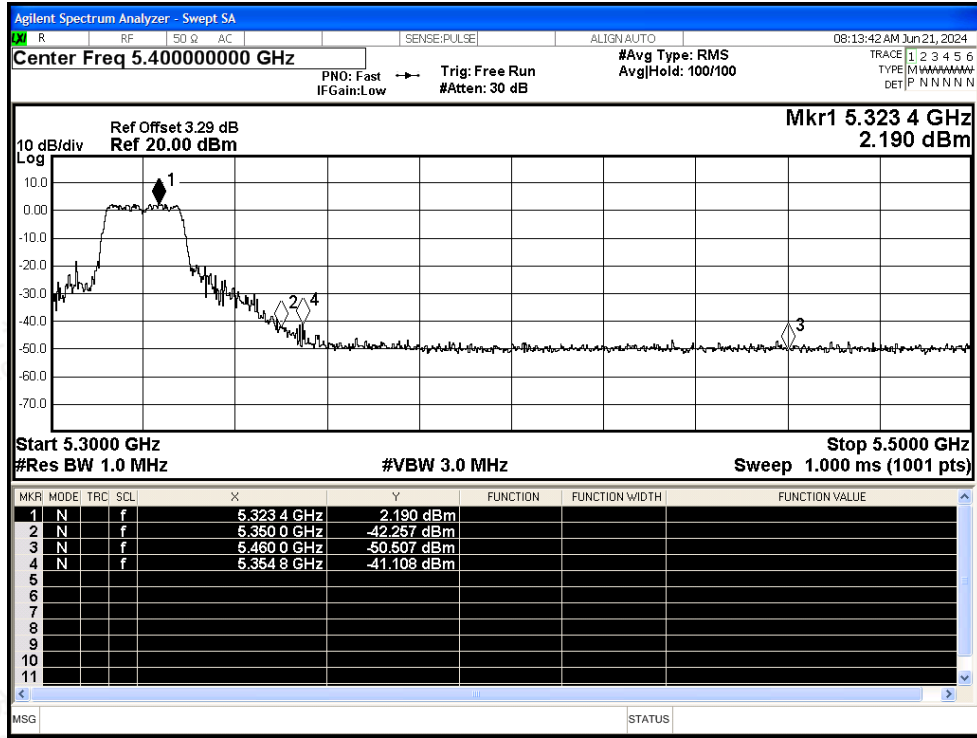


Restrict Band NVNT a 5260MHz Ant1 Average

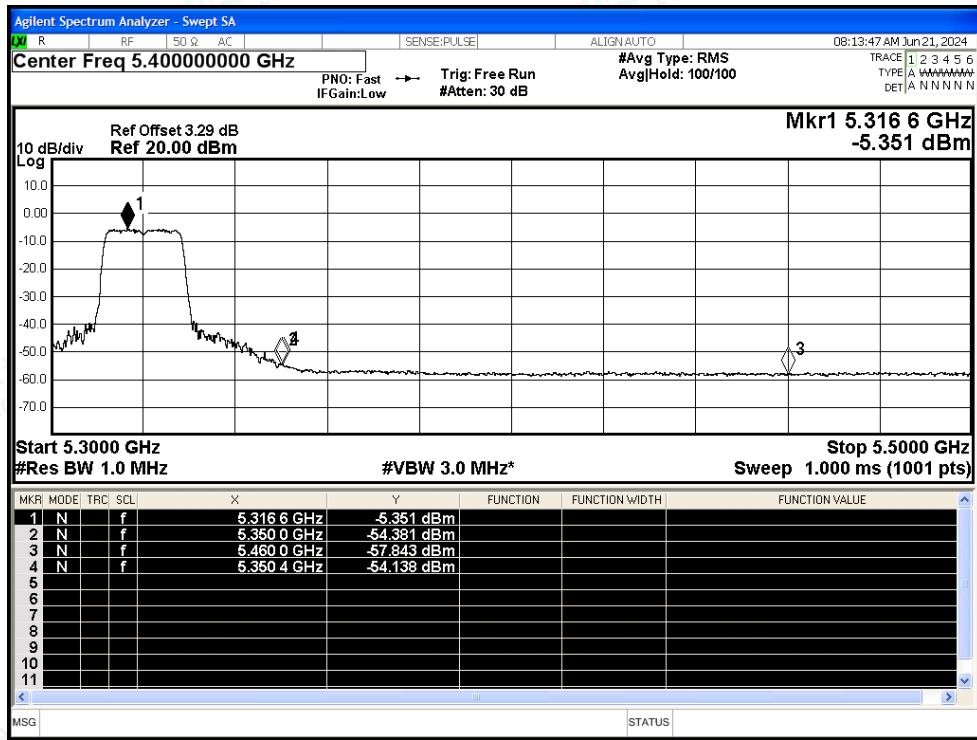


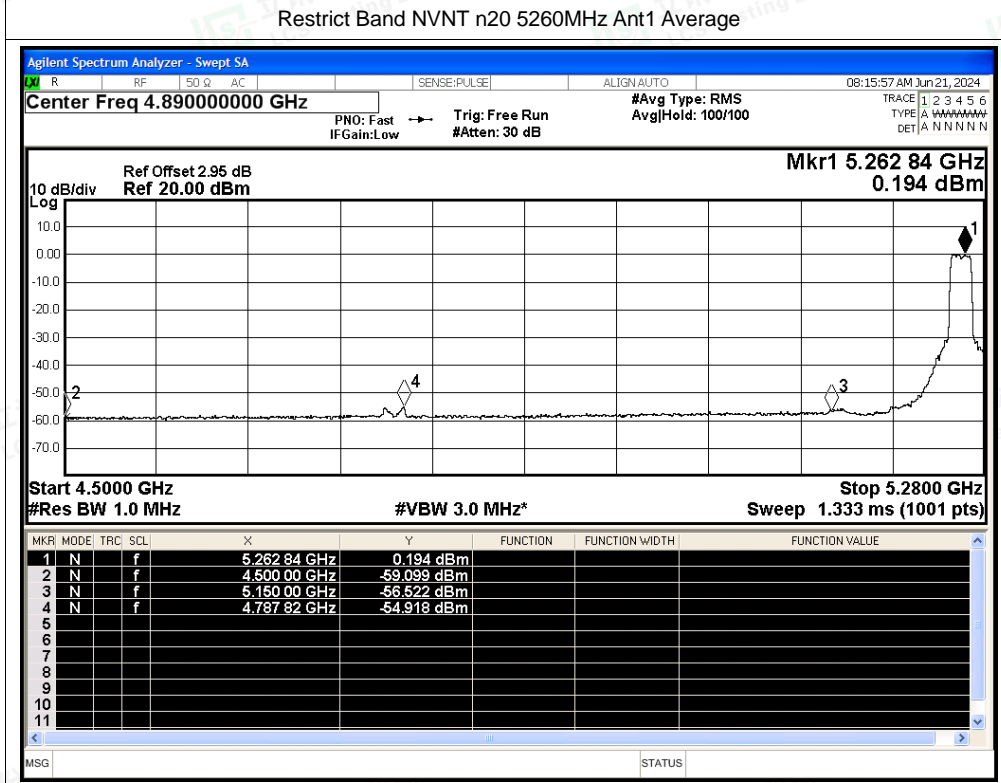
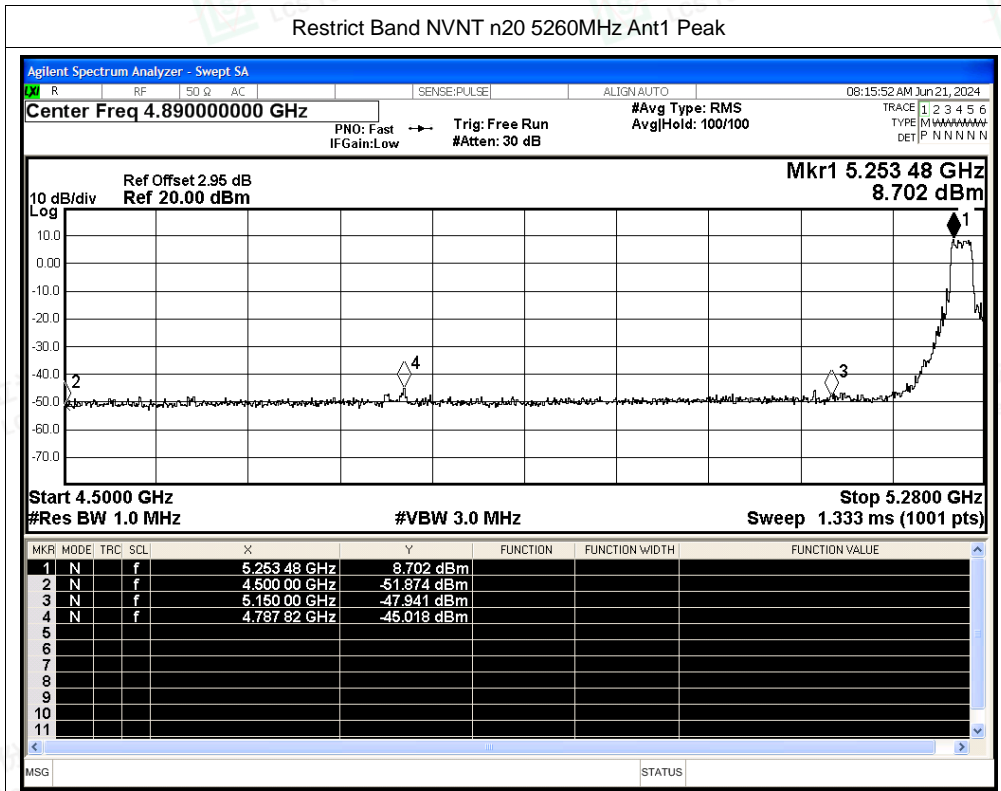


Restrict Band NVNT a 5320MHz Ant1 Peak



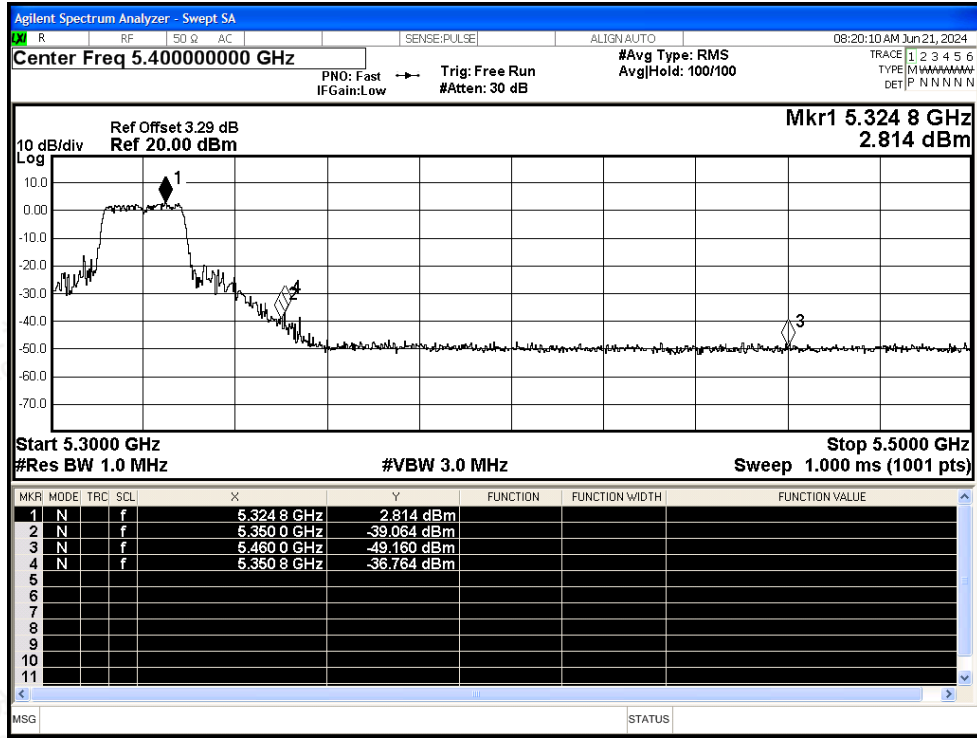
Restrict Band NVNT a 5320MHz Ant1 Average



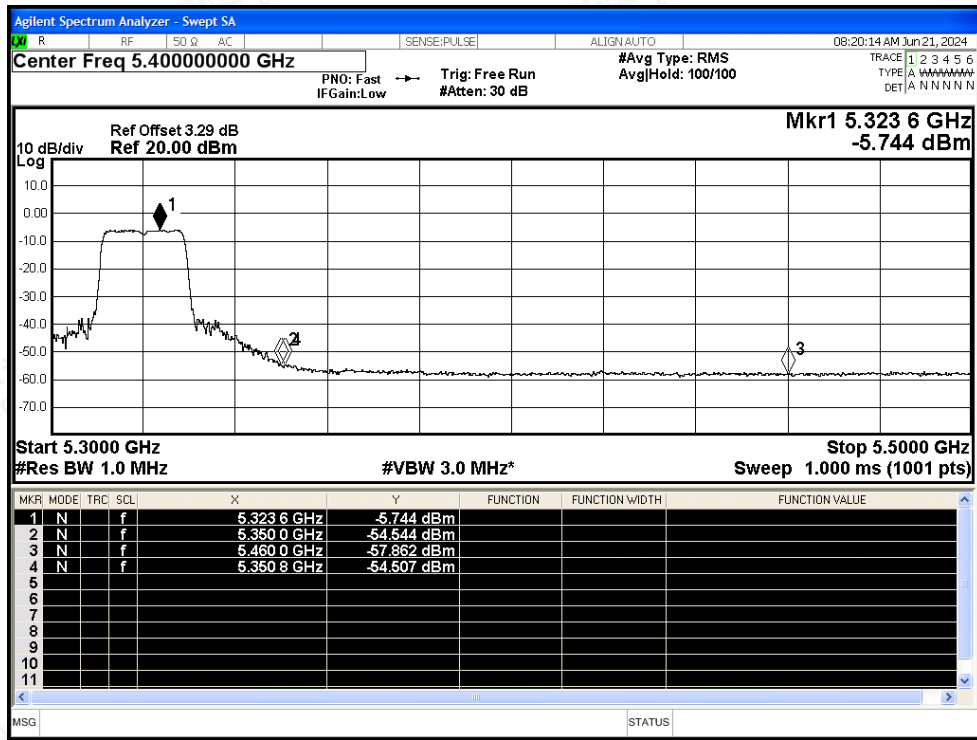


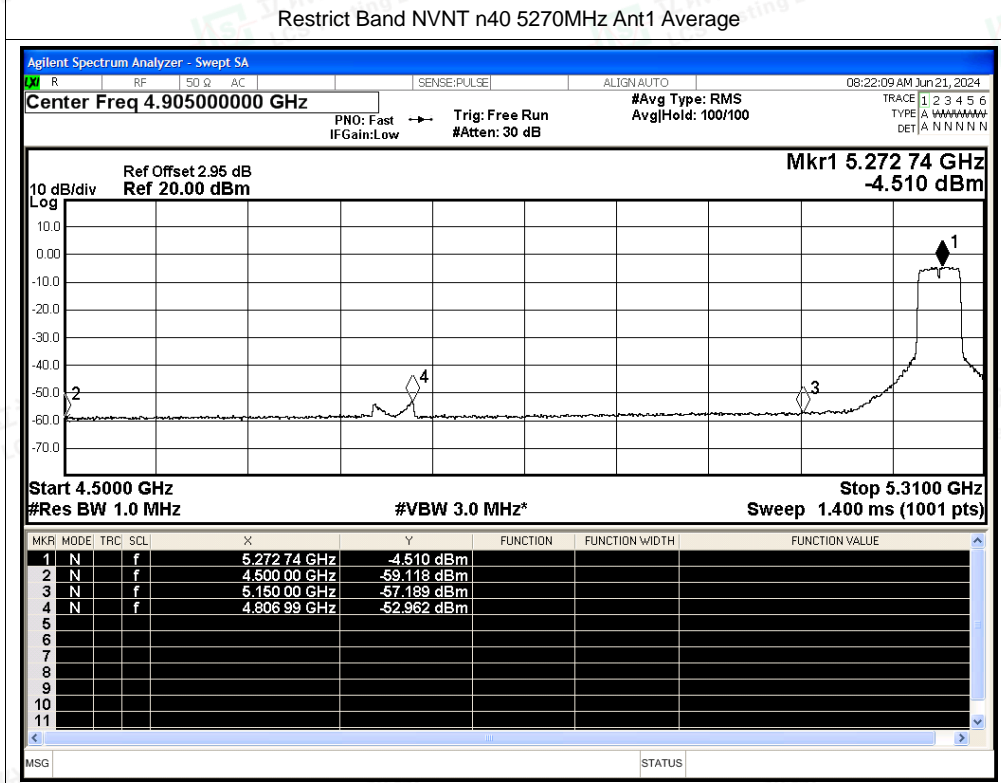
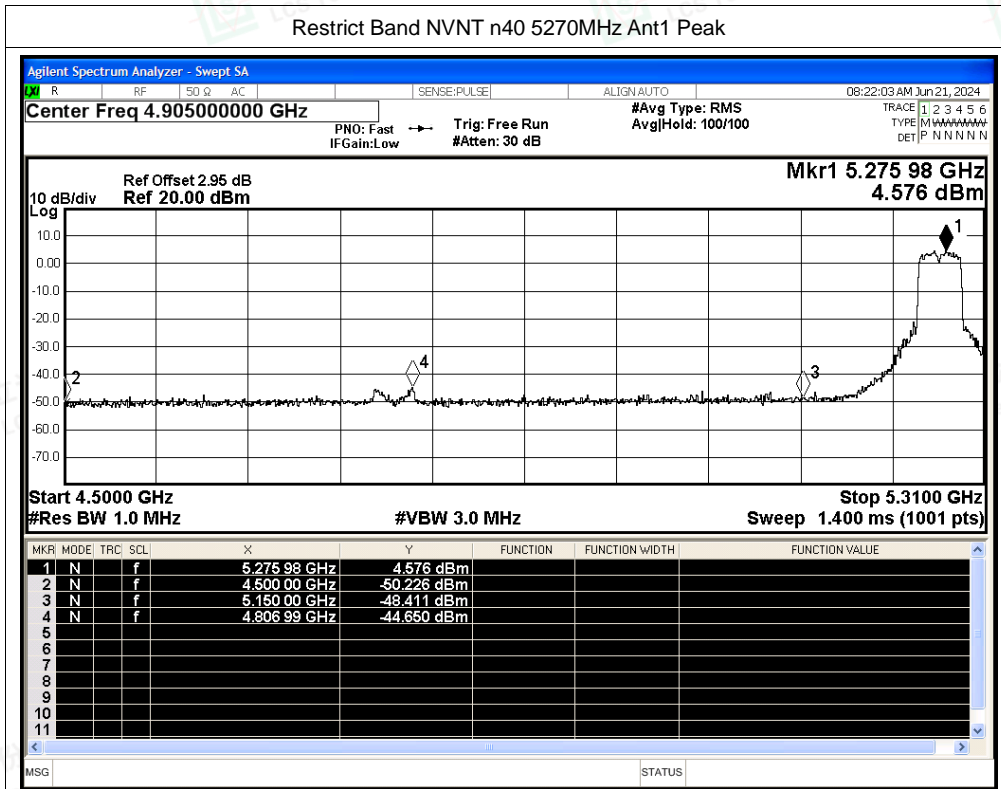


Restrict Band NVNT n20 5320MHz Ant1 Peak



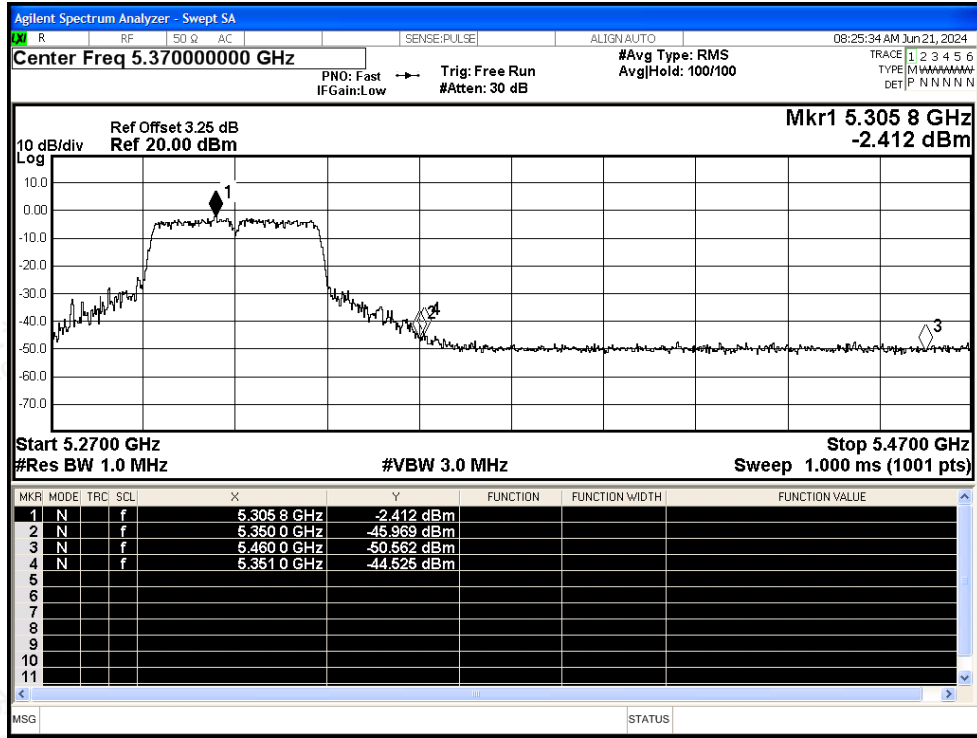
Restrict Band NVNT n20 5320MHz Ant1 Average



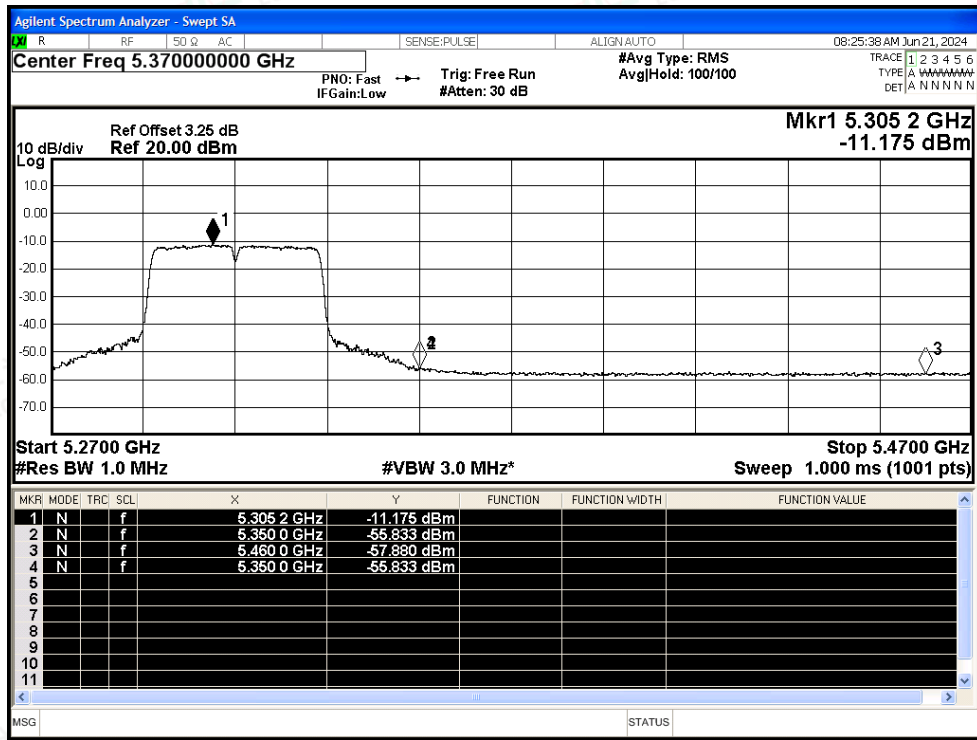




Restrict Band NVNT n40 5310MHz Ant1 Peak



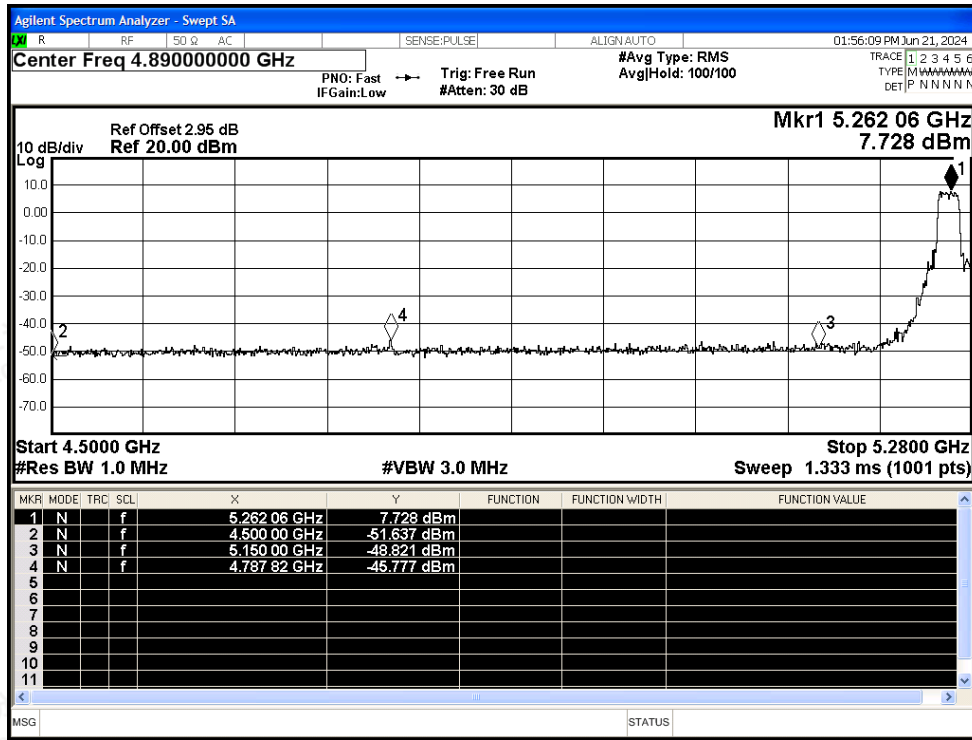
Restrict Band NVNT n40 5310MHz Ant1 Average



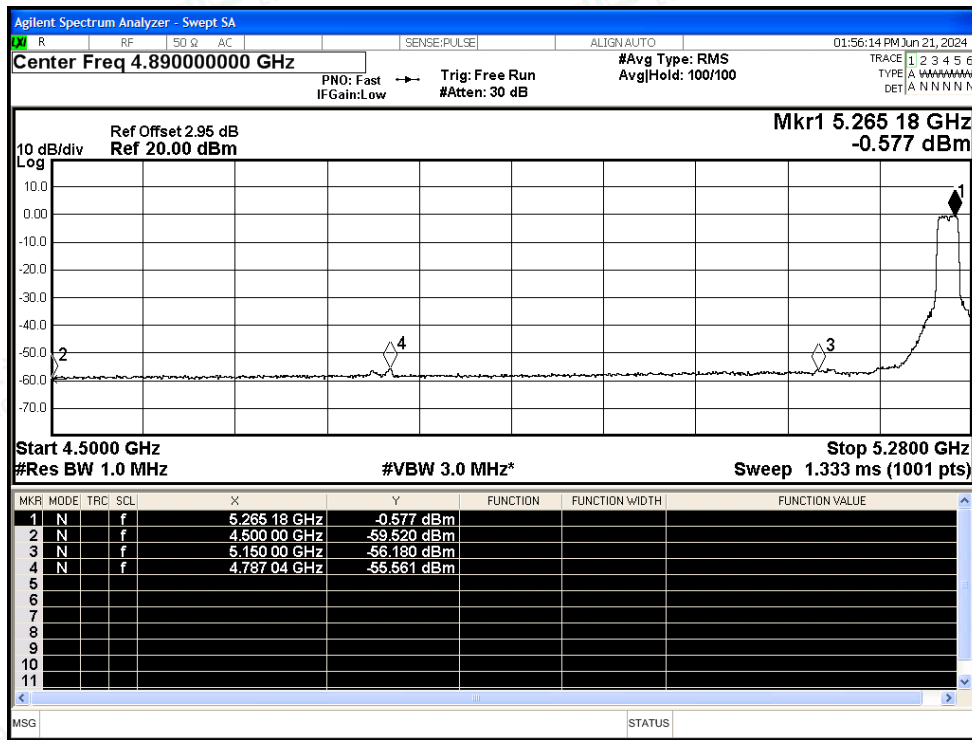


Test Graphs

Restrict Band NVNT ac20 5260MHz Ant1 Peak

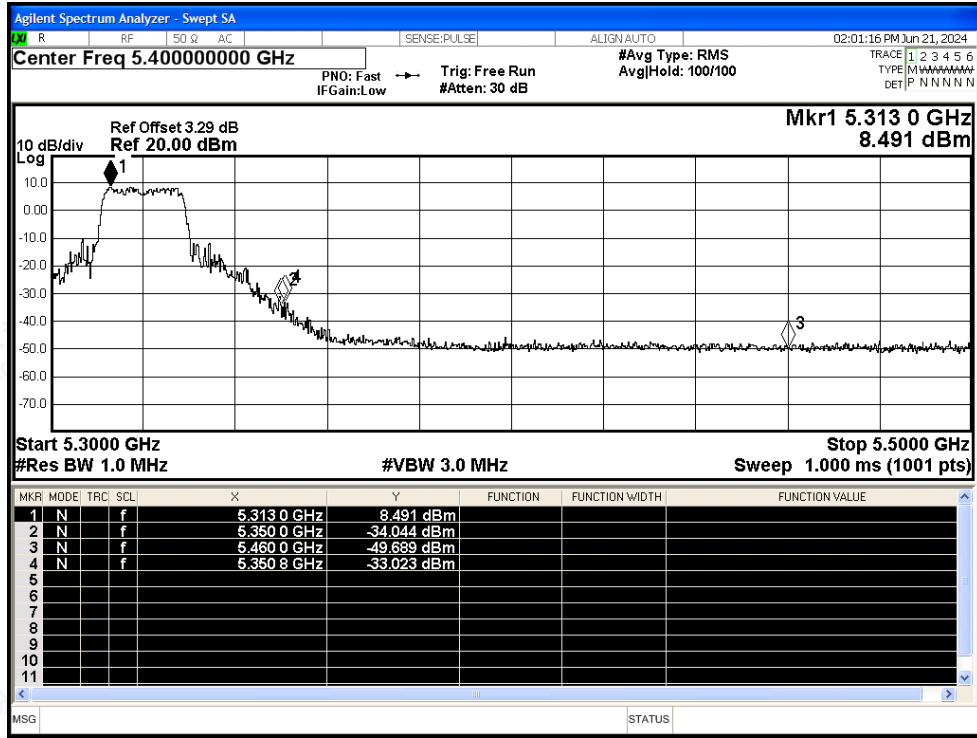


Restrict Band NVNT ac20 5260MHz Ant1 Average

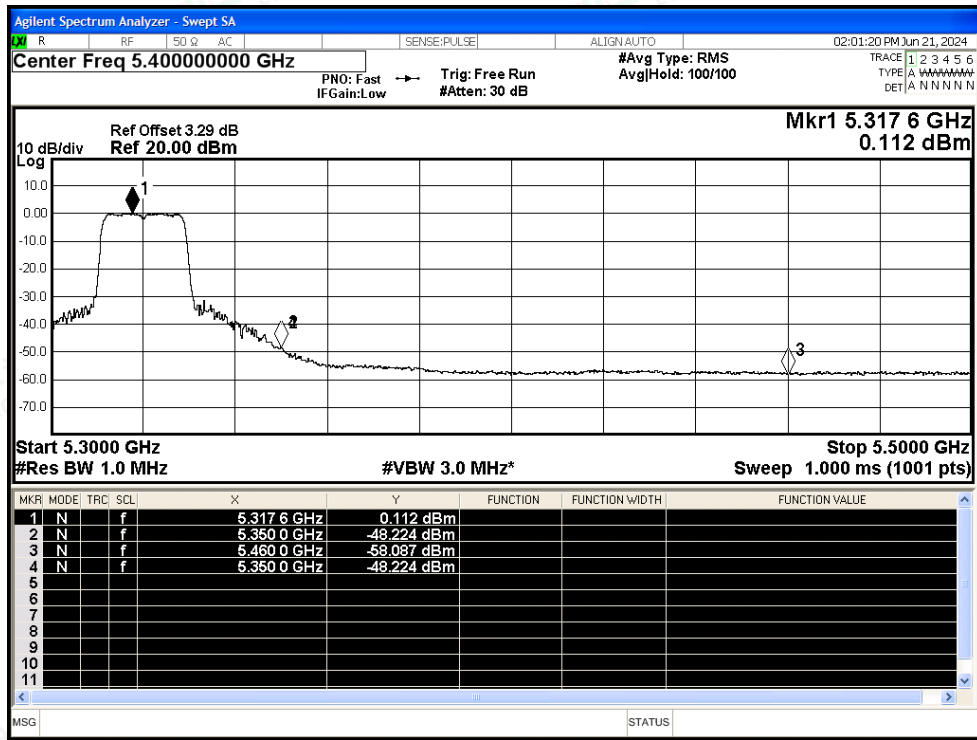


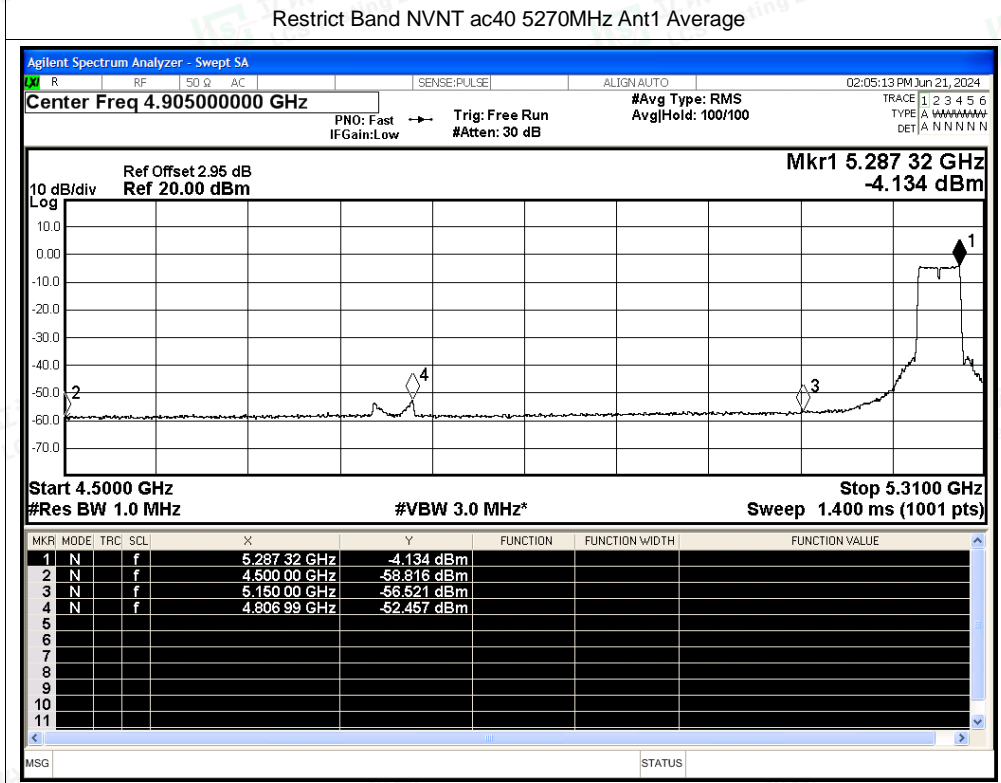
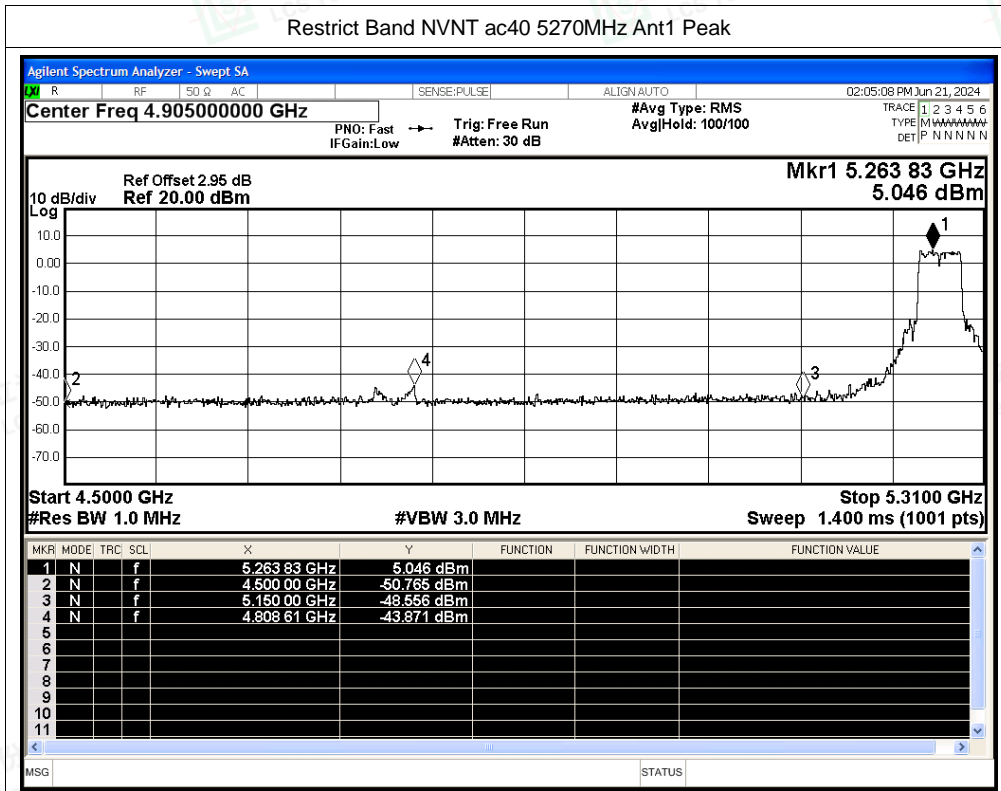


Restrict Band NVNT ac20 5320MHz Ant1 Peak



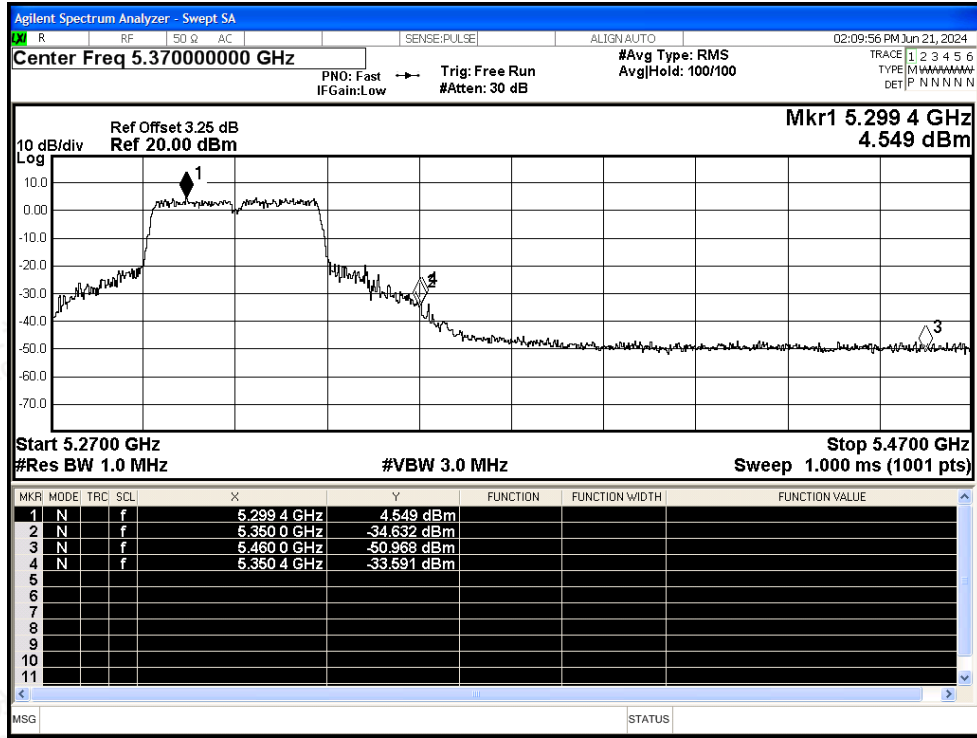
Restrict Band NVNT ac20 5320MHz Ant1 Average



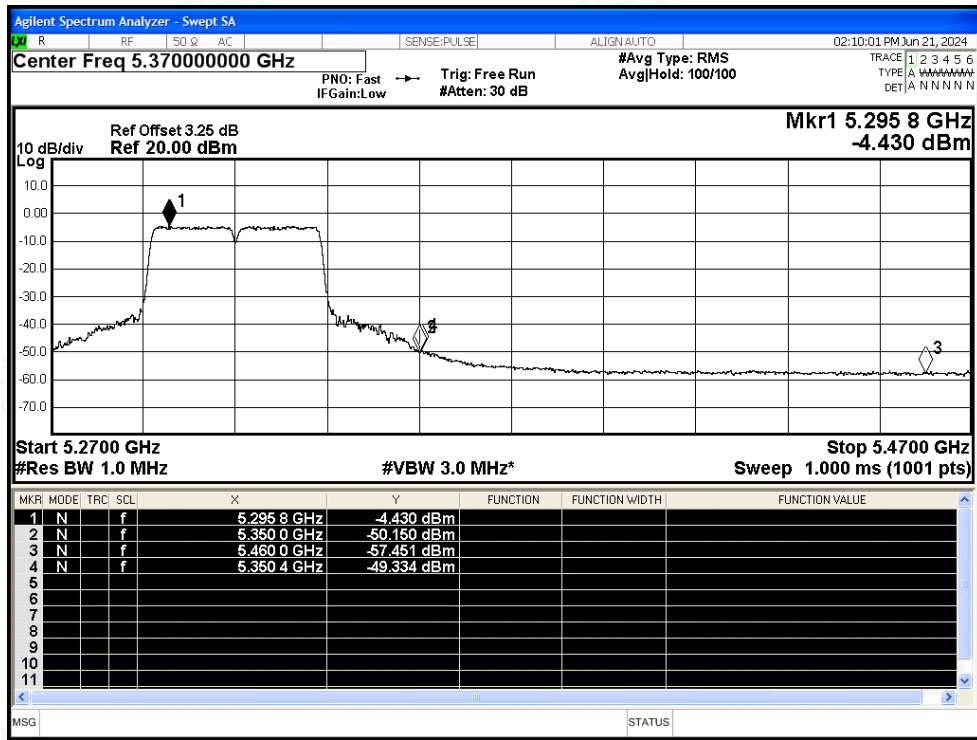


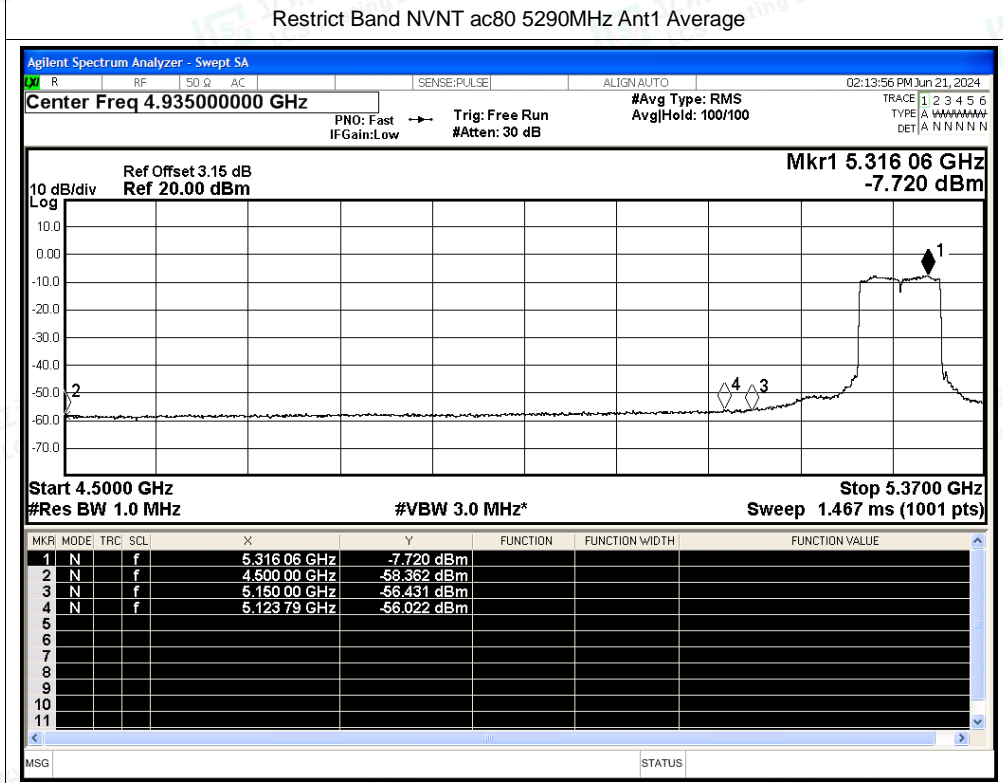
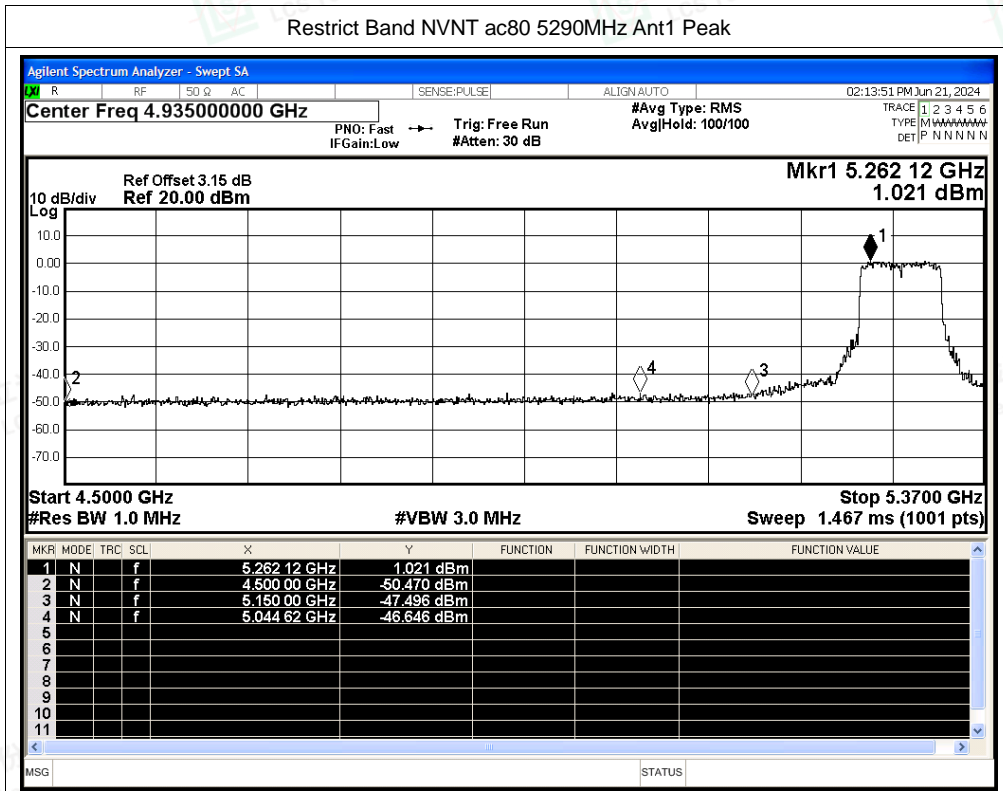


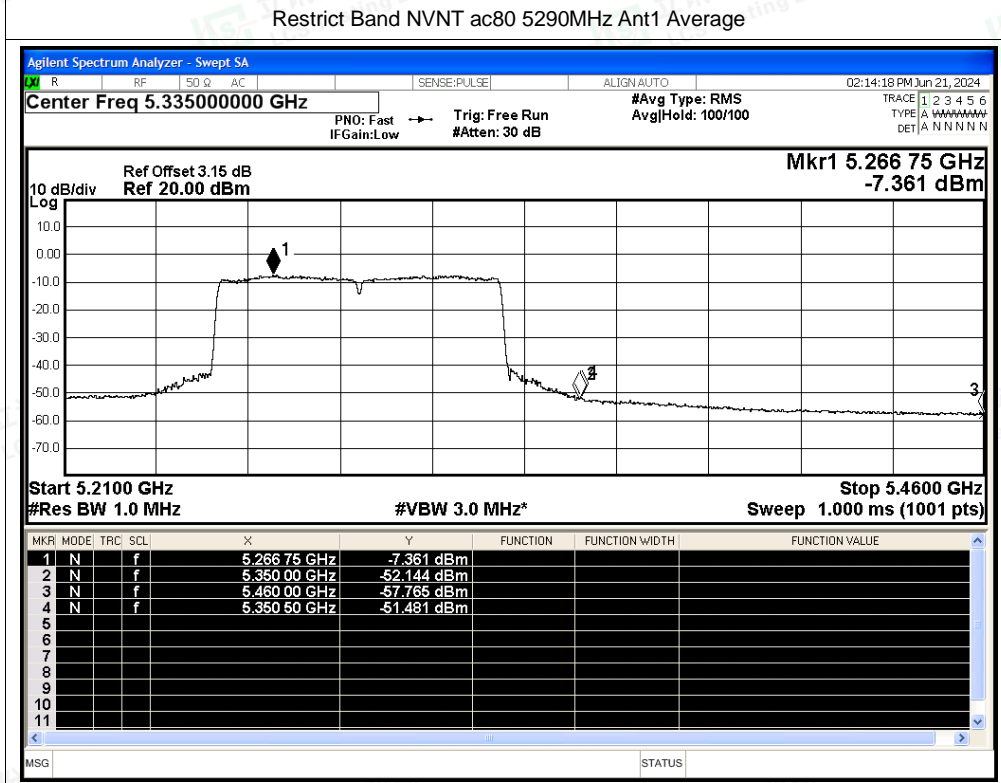
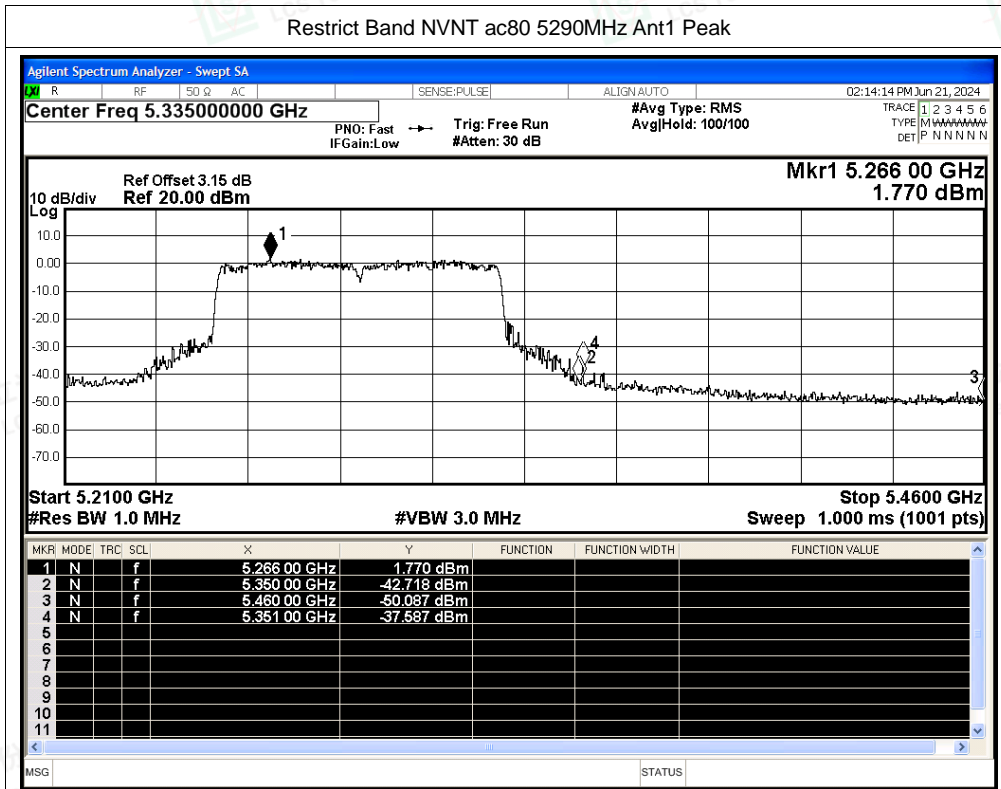
Restrict Band NVNT ac40 5310MHz Ant1 Peak



Restrict Band NVNT ac40 5310MHz Ant1 Average









D.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-33.999	-27	Pass
NVNT	a	5300	Ant1	-34.212	-27	Pass
NVNT	a	5320	Ant1	-34.303	-27	Pass
NVNT	n20	5260	Ant1	-34.498	-27	Pass
NVNT	n20	5300	Ant1	-34.298	-27	Pass
NVNT	n20	5320	Ant1	-32.98	-27	Pass
NVNT	n40	5270	Ant1	-35.19	-27	Pass
NVNT	n40	5310	Ant1	-33.937	-27	Pass
NVNT	ac20	5260	Ant1	-35.003	-27	Pass
NVNT	ac20	5300	Ant1	-33.812	-27	Pass
NVNT	ac20	5320	Ant1	-33.846	-27	Pass
NVNT	ac40	5270	Ant1	-34.724	-27	Pass
NVNT	ac40	5310	Ant1	-34.169	-27	Pass
NVNT	ac80	5290	Ant1	-34.193	-27	Pass

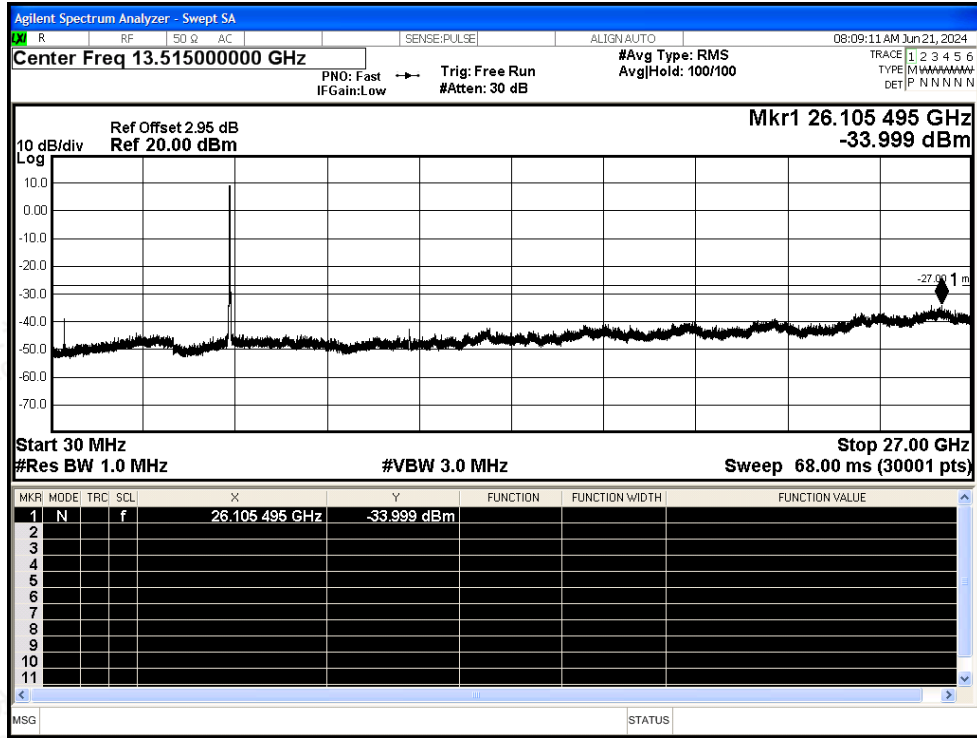


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

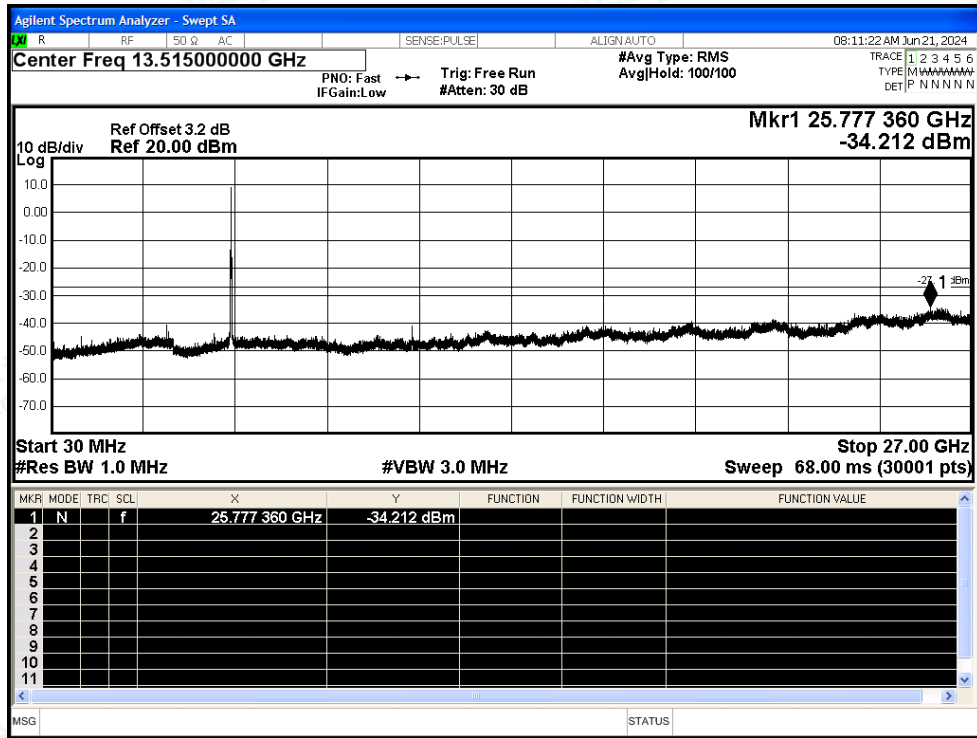


Test Graphs

Tx. Spurious NVNT a 5260MHz Ant1 Emission

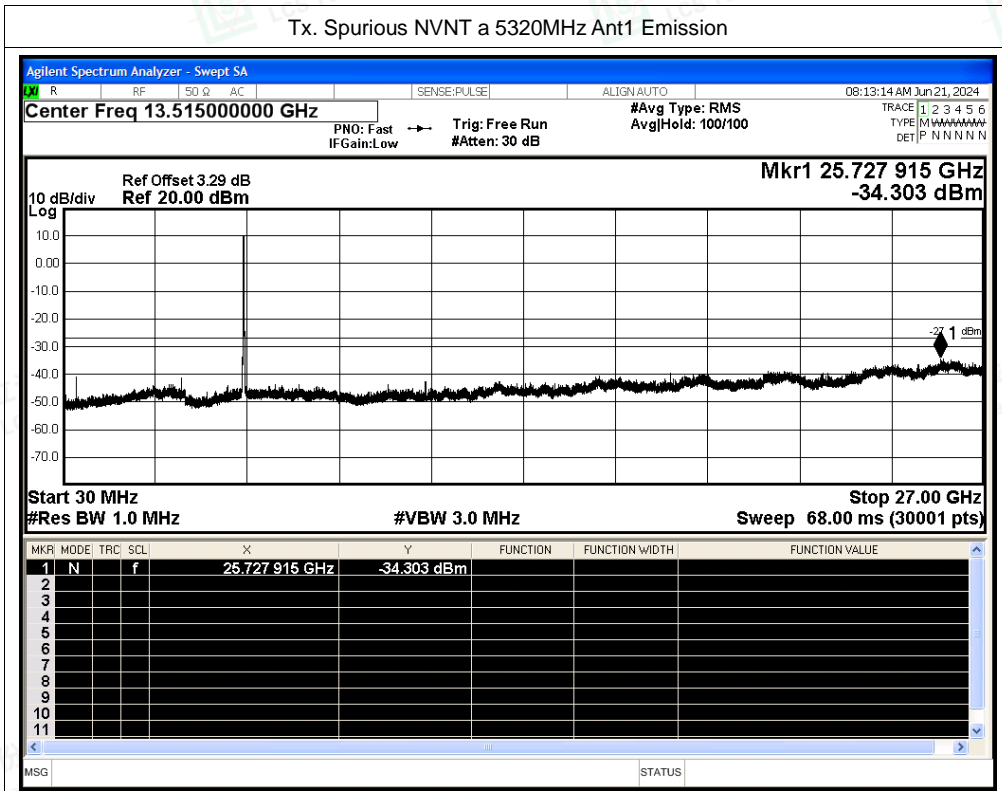


Tx. Spurious NVNT a 5300MHz Ant1 Emission

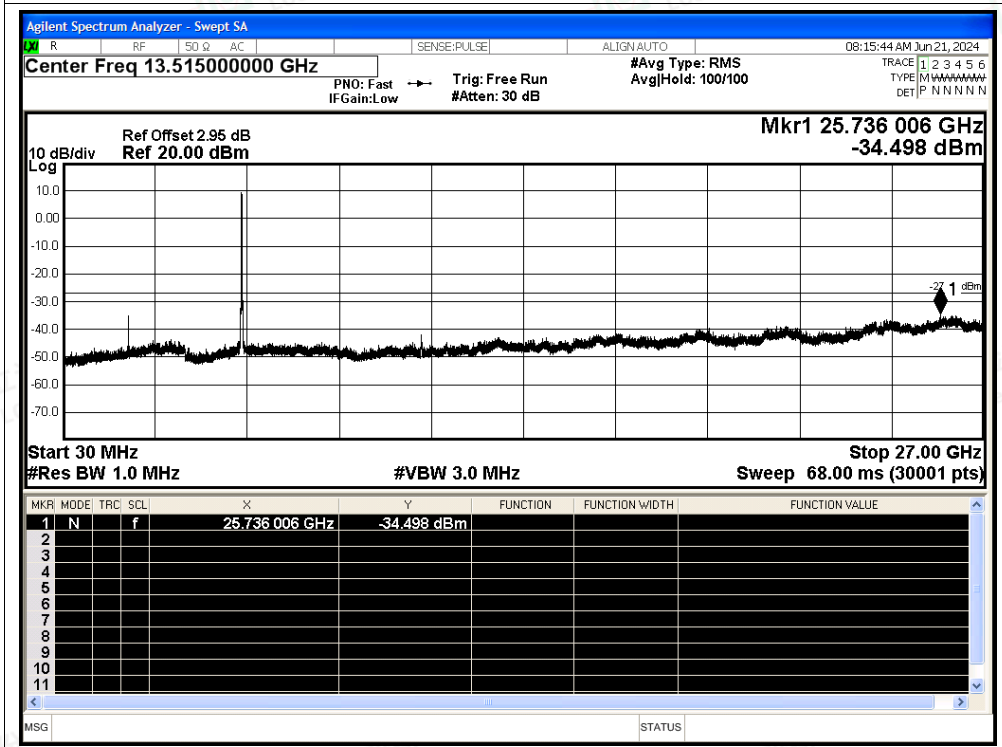




Tx. Spurious NVNT a 5320MHz Ant1 Emission

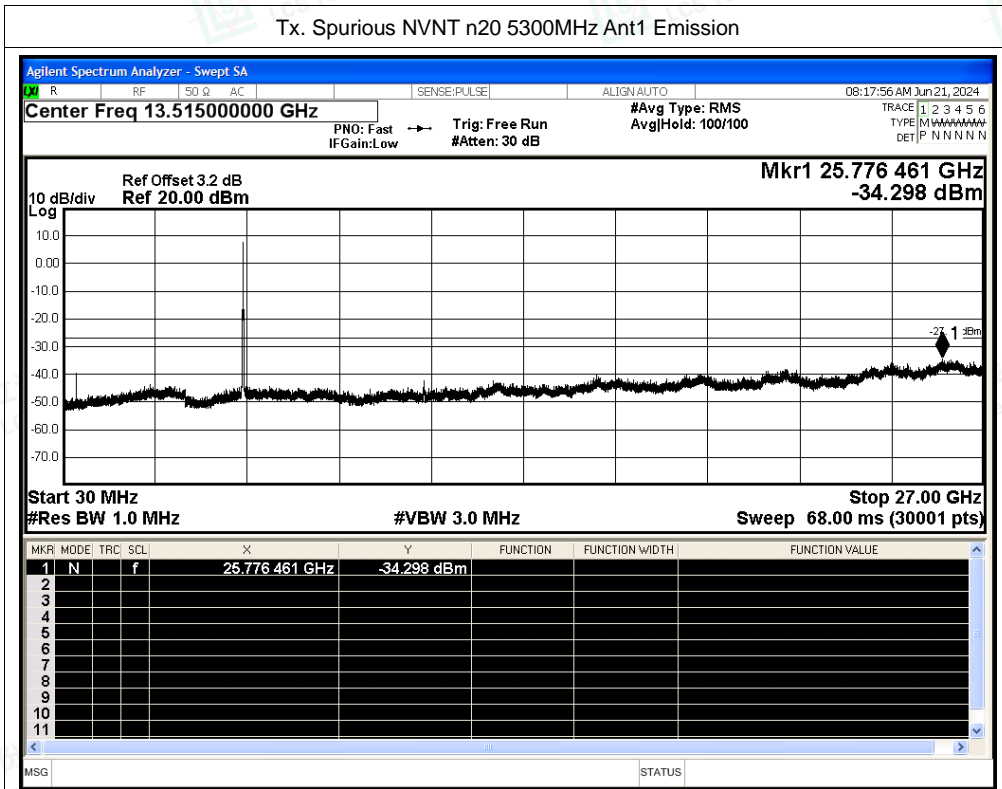


Tx. Spurious NVNT n20 5260MHz Ant1 Emission

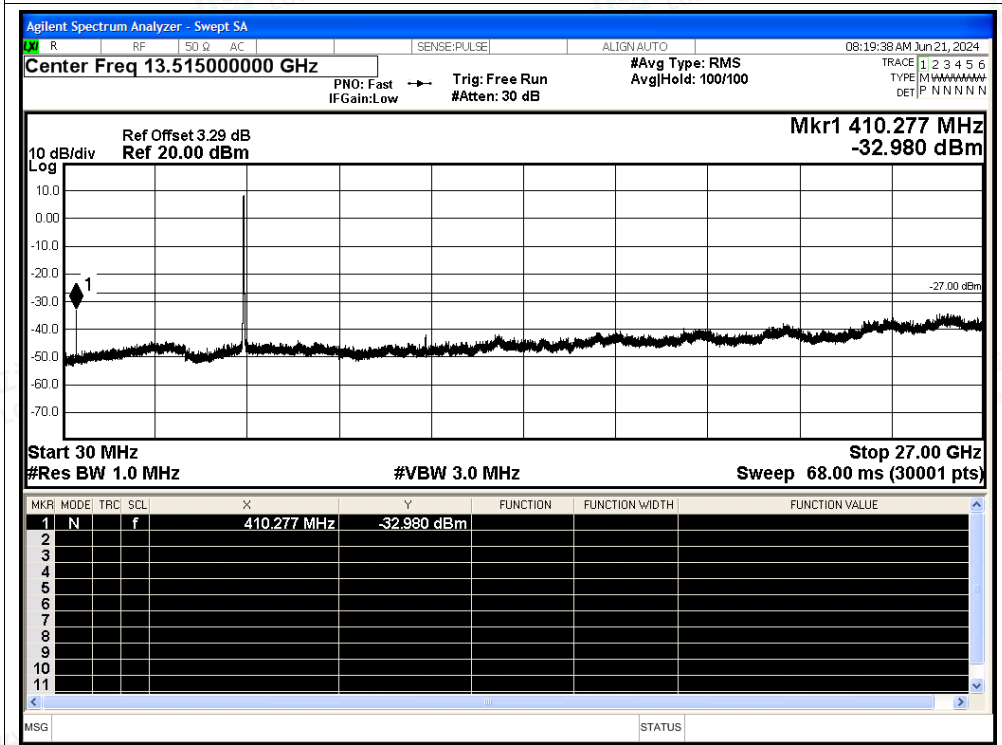




Tx. Spurious NVNT n20 5300MHz Ant1 Emission

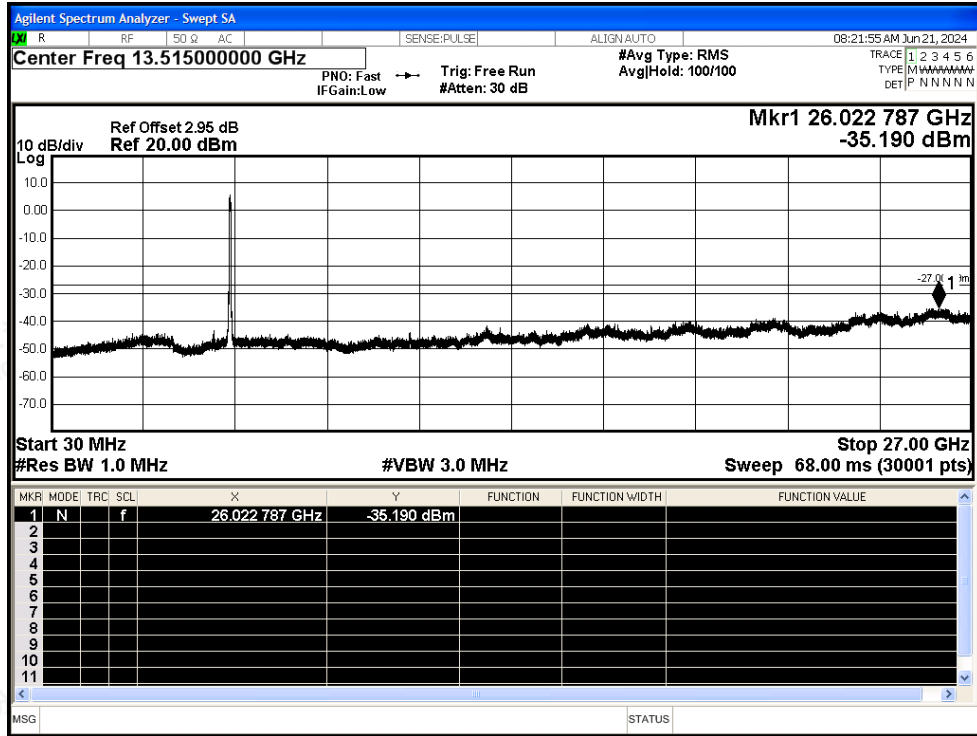


Tx. Spurious NVNT n20 5320MHz Ant1 Emission

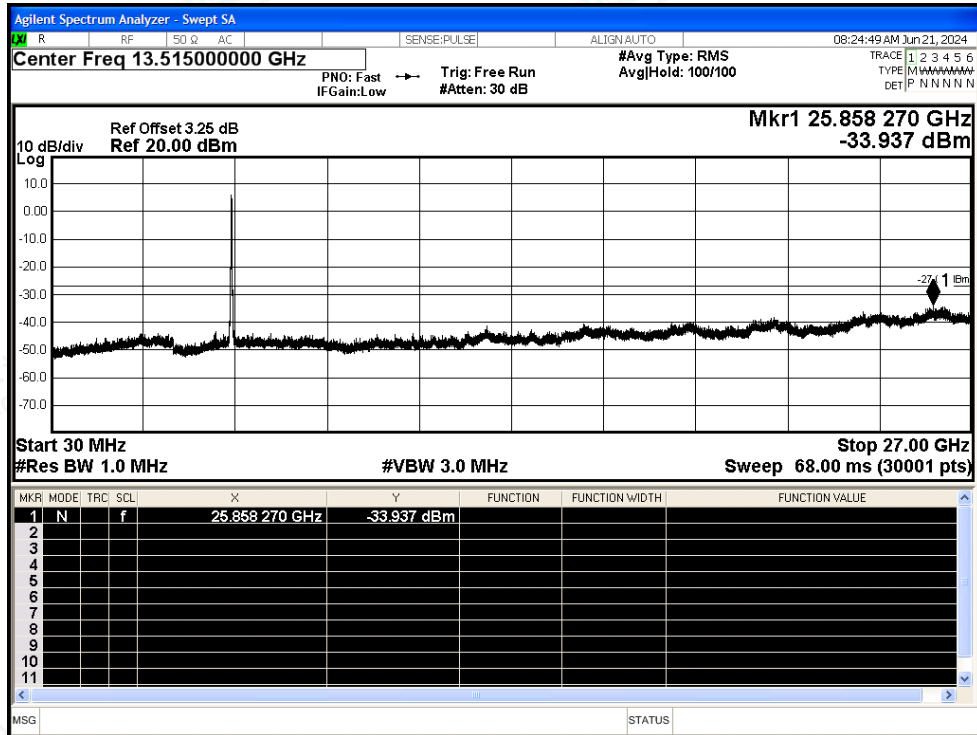




Tx. Spurious NVNT n40 5270MHz Ant1 Emission



Tx. Spurious NVNT n40 5310MHz Ant1 Emission

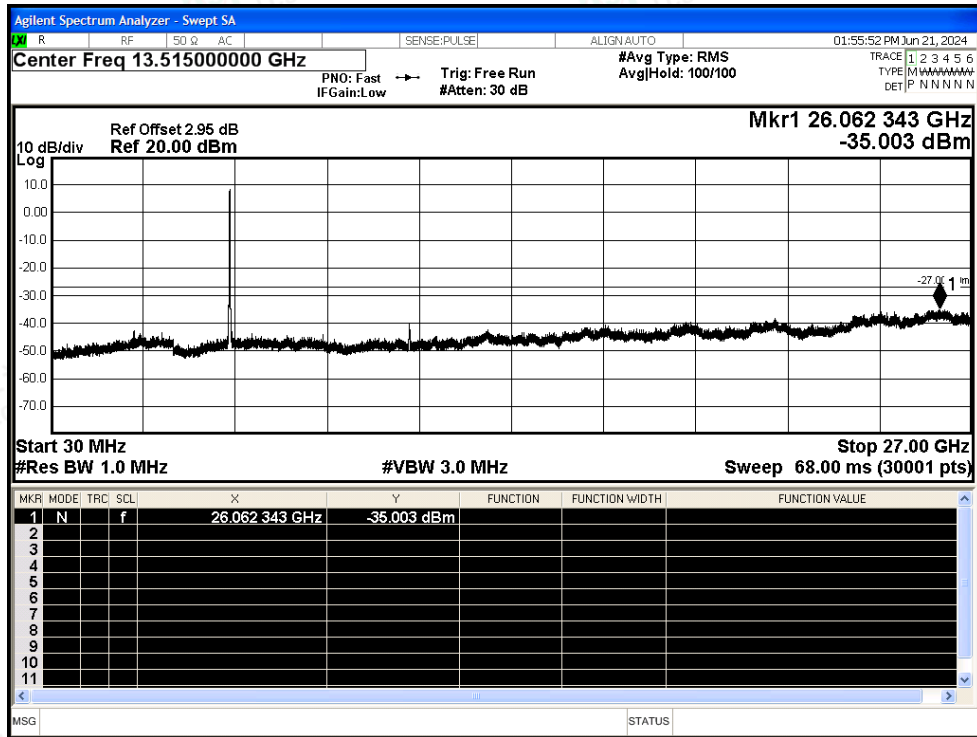


Test Graphs

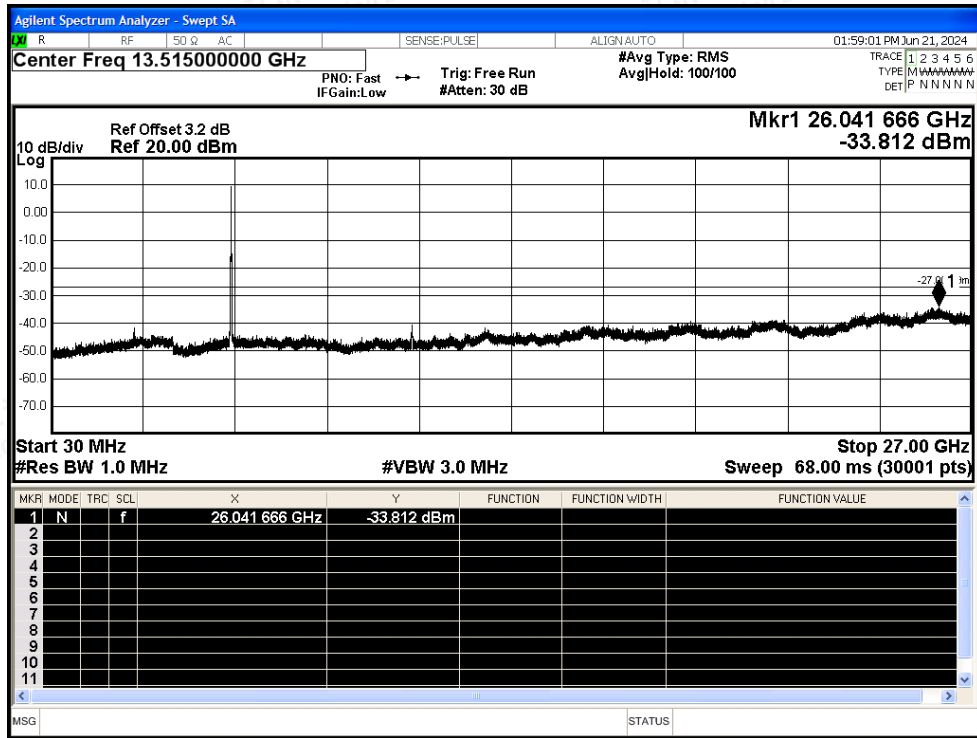




Tx. Spurious NVNT ac20 5260MHz Ant1 Emission

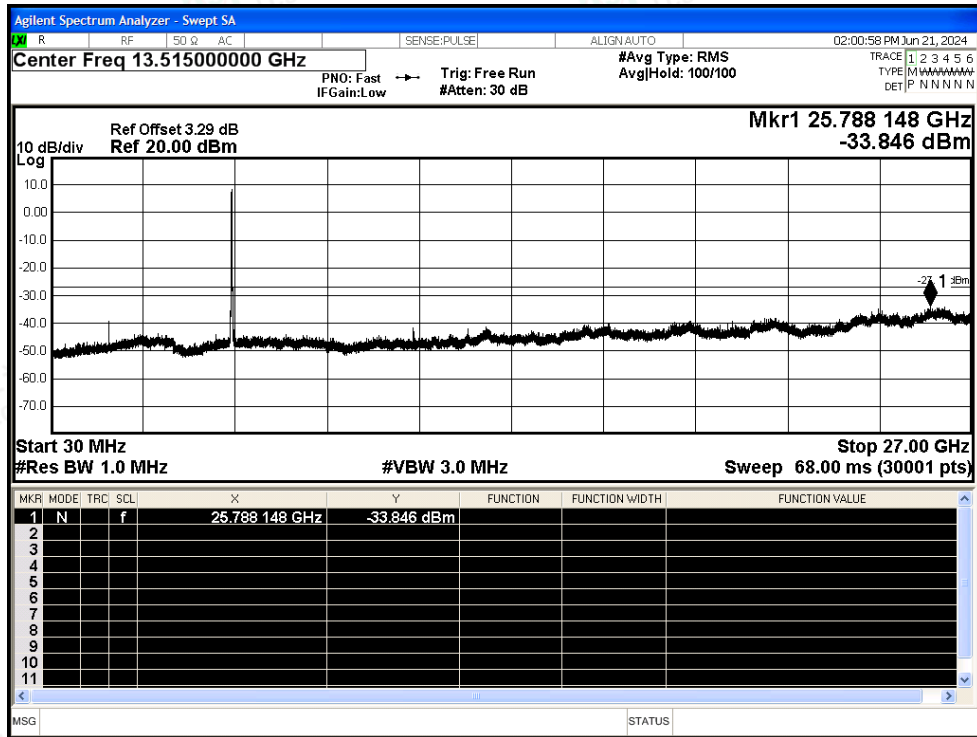


Tx. Spurious NVNT ac20 5300MHz Ant1 Emission

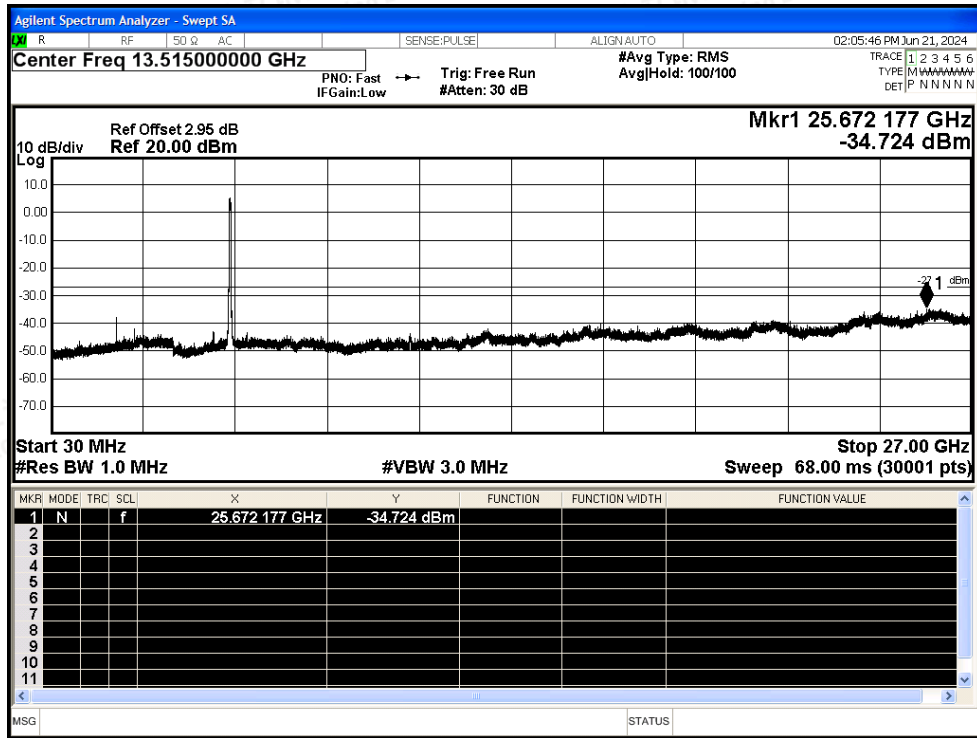




Tx. Spurious NVNT ac20 5320MHz Ant1 Emission

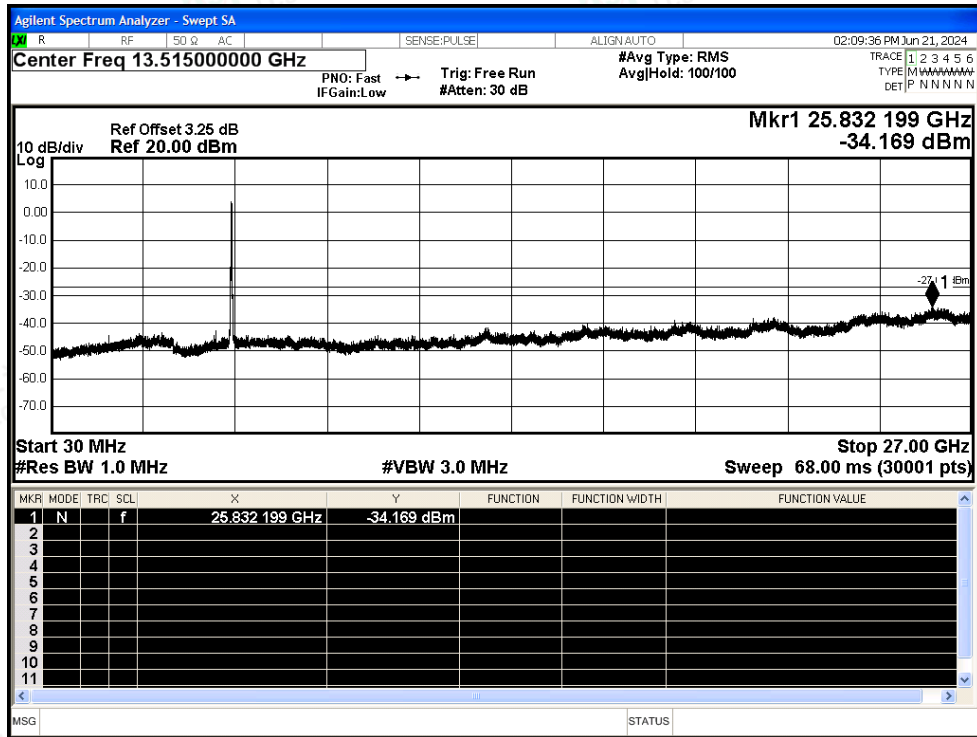


Tx. Spurious NVNT ac40 5270MHz Ant1 Emission

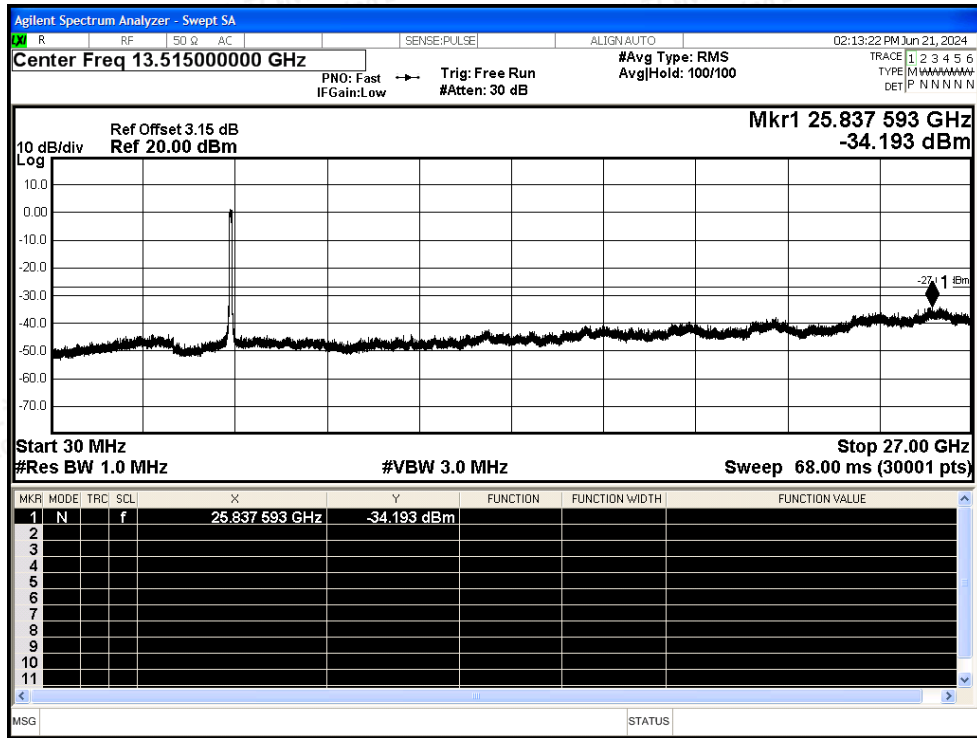




Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



Tx. Spurious NVNT ac80 5290MHz Ant1 Emission





D.6 Duty Cycle

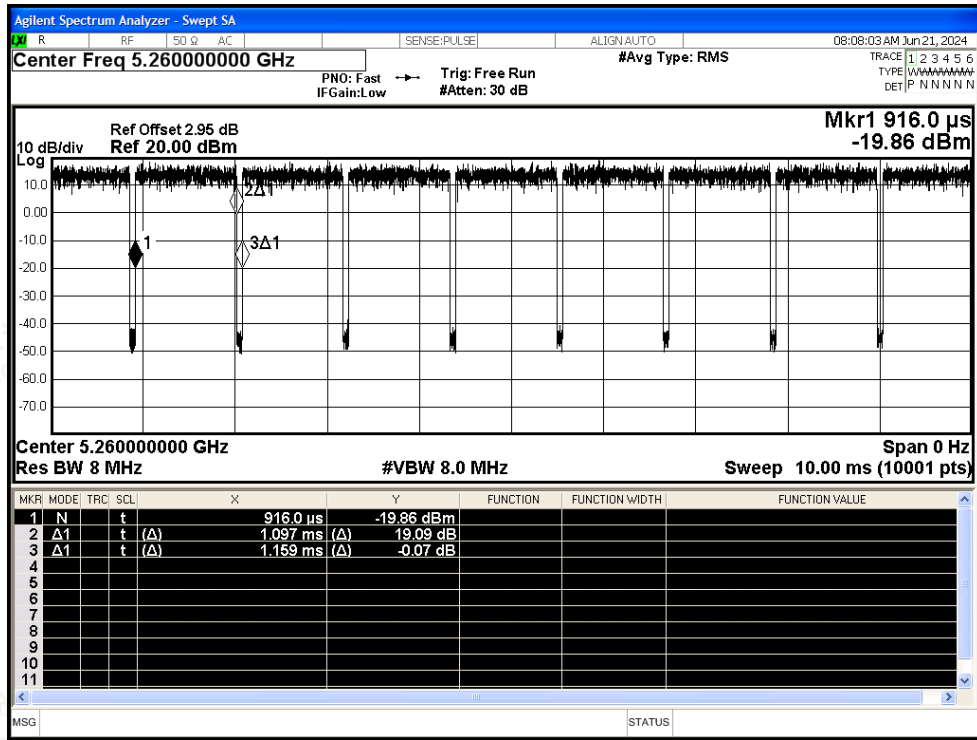
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	94.65	0.24	0.91
NVNT	a	5300	Ant1	94.56	0.24	0.91
NVNT	a	5320	Ant1	94.56	0.24	0.91
NVNT	n20	5260	Ant1	93.77	0.28	1.07
NVNT	n20	5300	Ant1	93.77	0.28	1.07
NVNT	n20	5320	Ant1	93.77	0.28	1.07
NVNT	n40	5270	Ant1	88.14	0.55	2.14
NVNT	n40	5310	Ant1	88.14	0.55	2.14
NVNT	ac20	5260	Ant1	93.82	0.28	1.06
NVNT	ac20	5300	Ant1	93.72	0.28	1.06
NVNT	ac20	5320	Ant1	93.82	0.28	1.06
NVNT	ac40	5270	Ant1	90.36	0.44	1.72
NVNT	ac40	5310	Ant1	90.2	0.45	1.72
NVNT	ac80	5290	Ant1	86.79	0.62	2.42



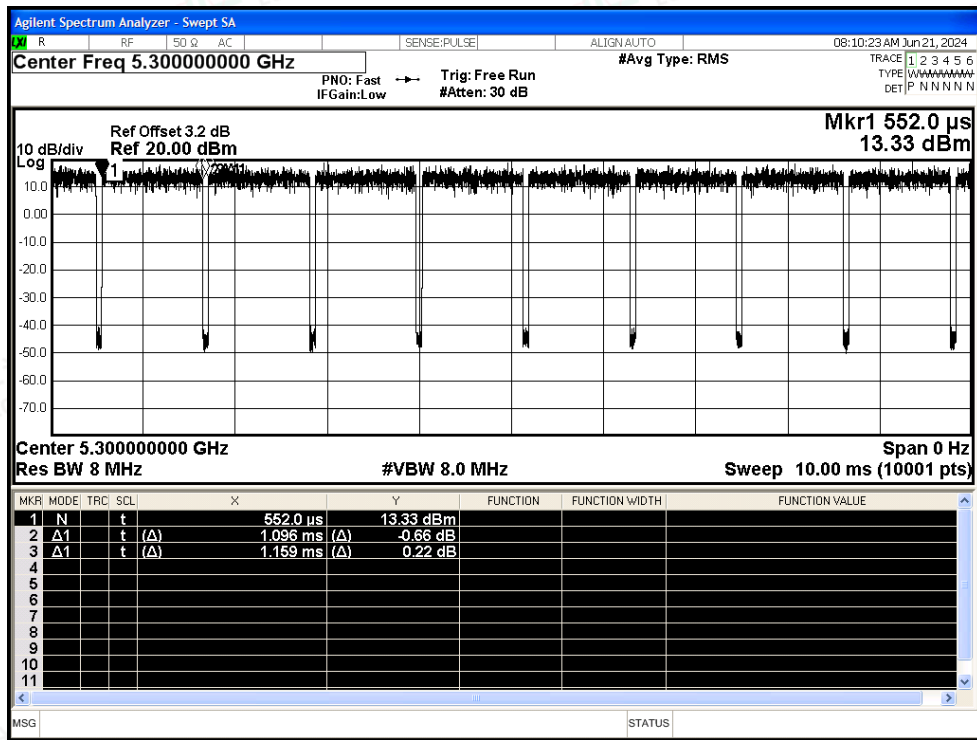


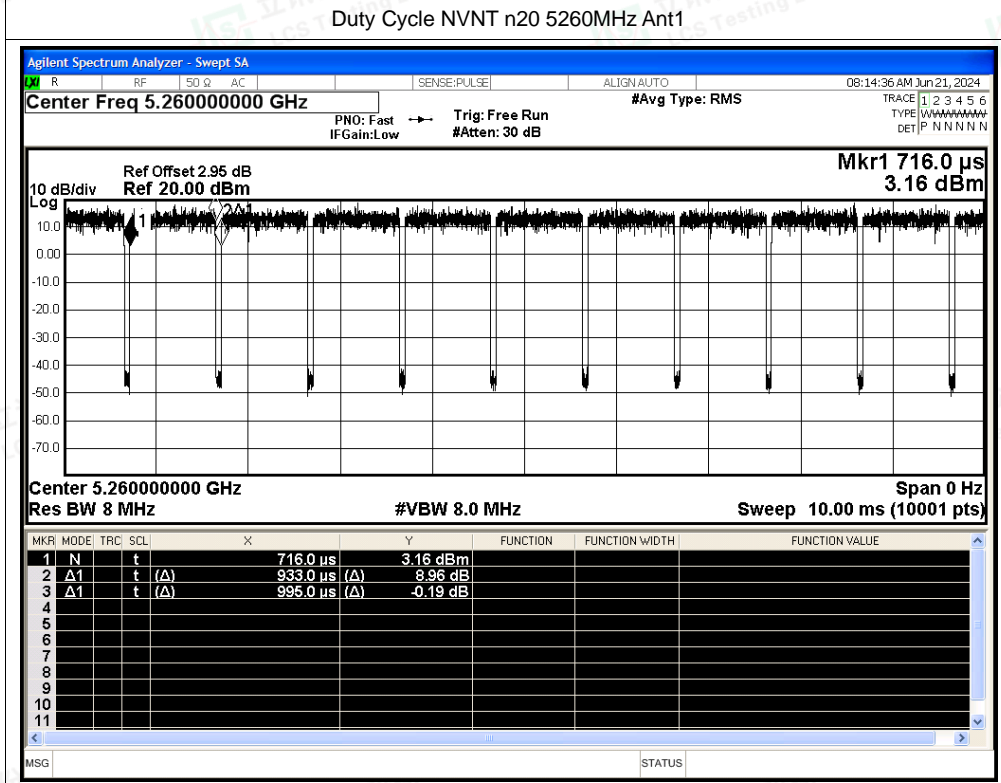
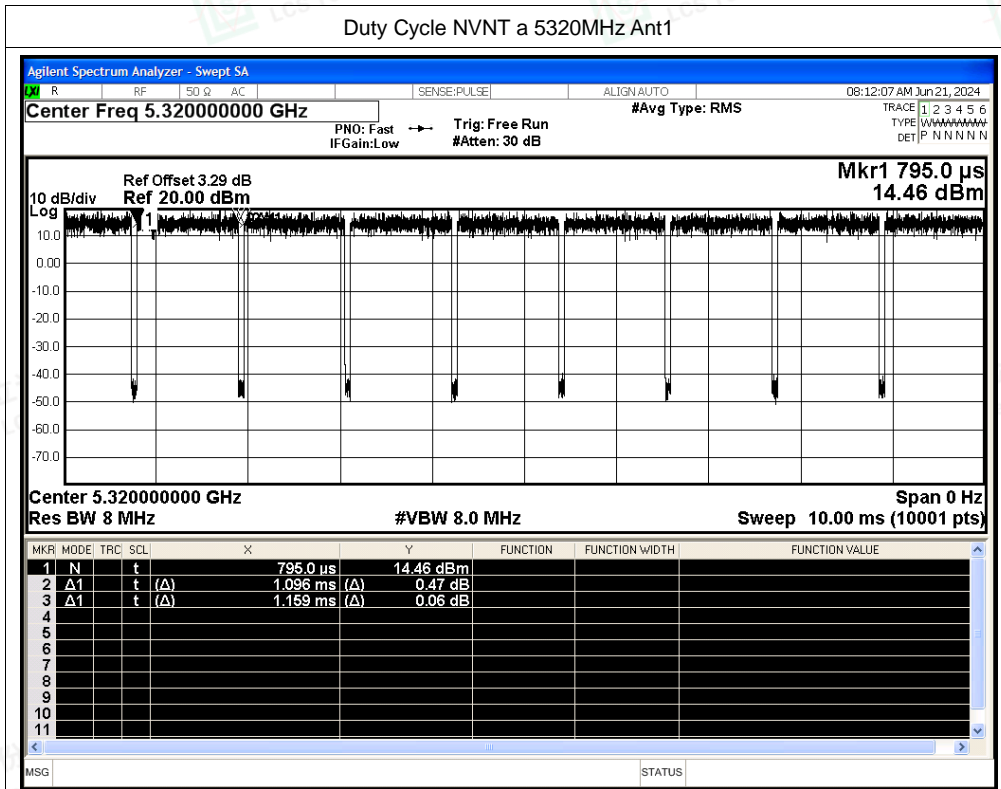
Test Graphs

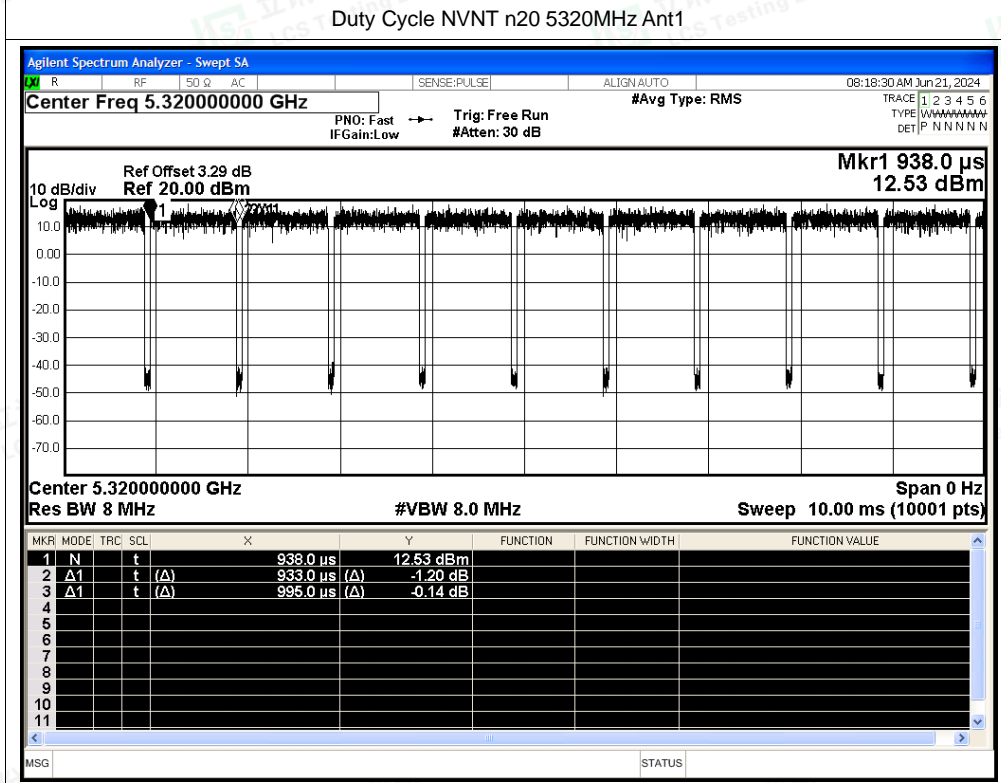
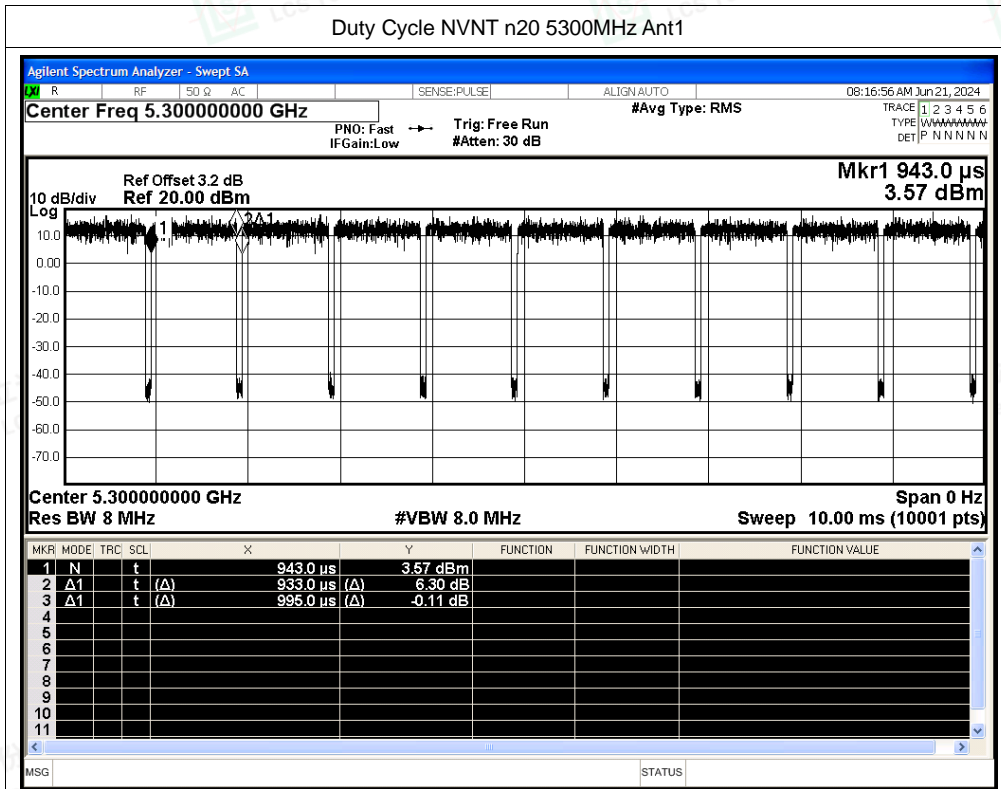
Duty Cycle NVNT a 5260MHz Ant1

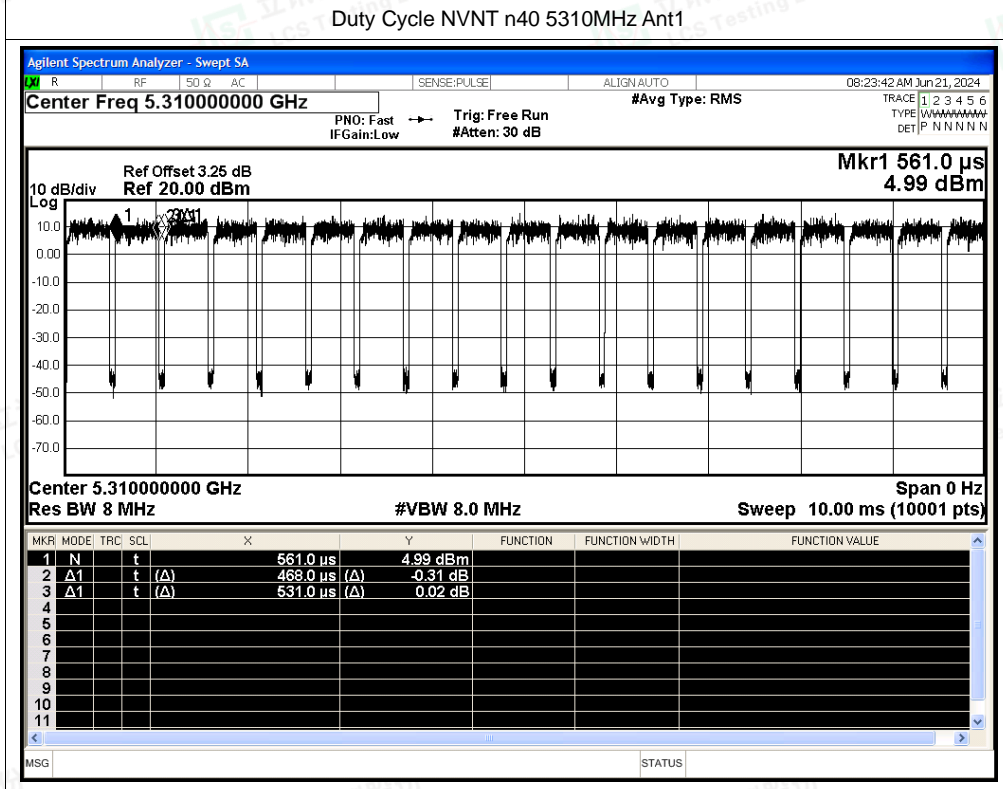
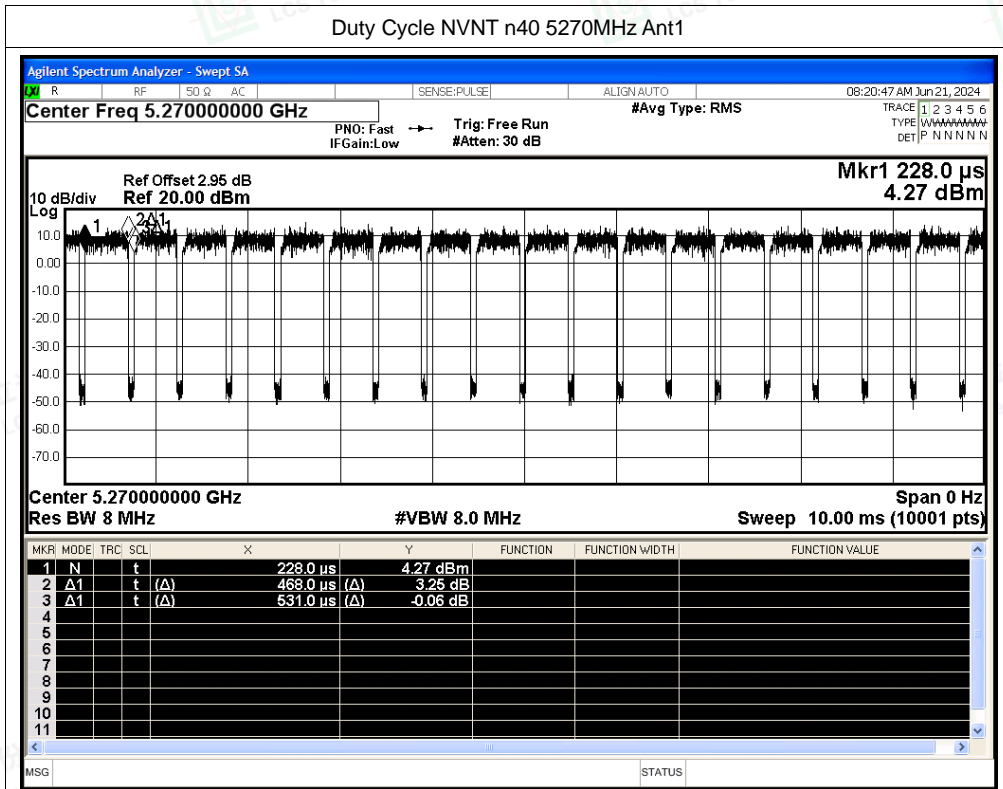


Duty Cycle NVNT a 5300MHz Ant1







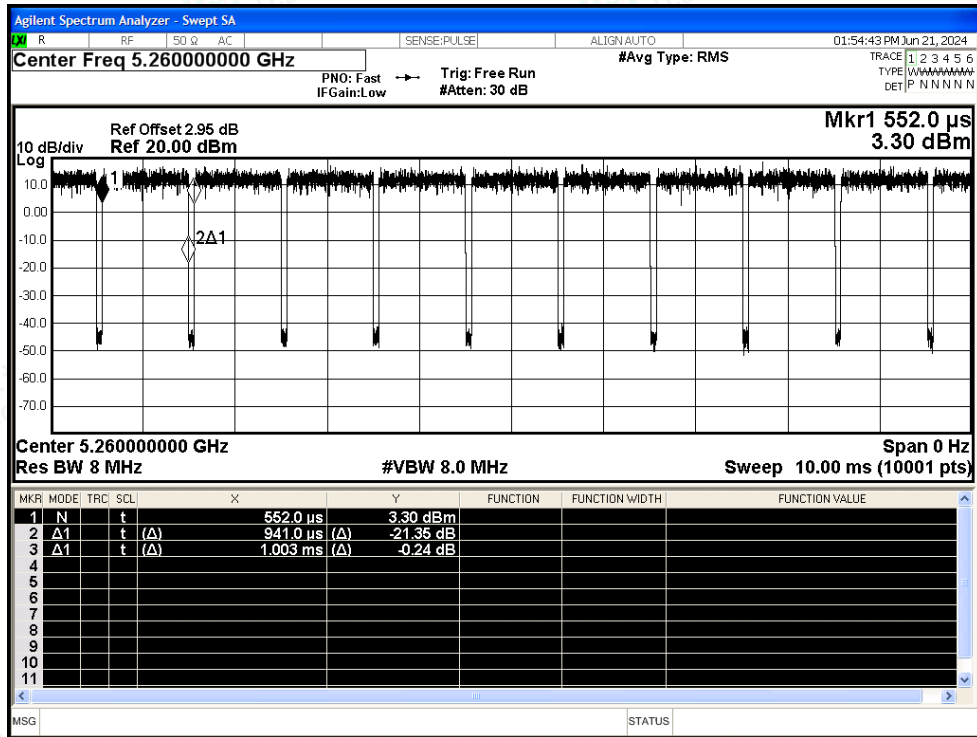


Test Graphs

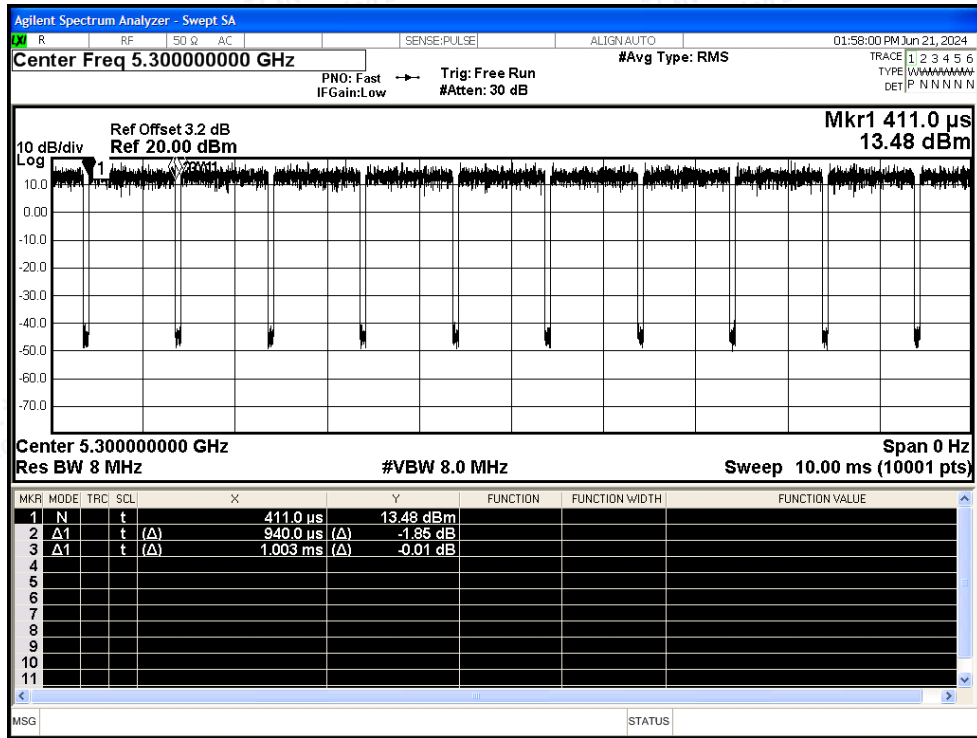




Duty Cycle NVNT ac20 5260MHz Ant1

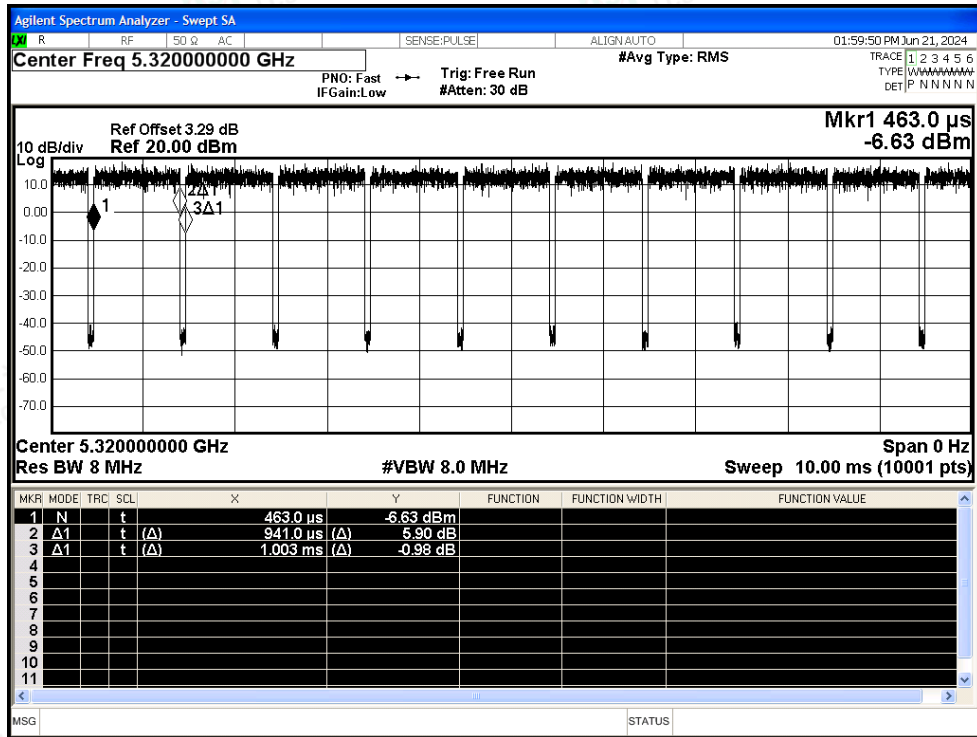


Duty Cycle NVNT ac20 5300MHz Ant1

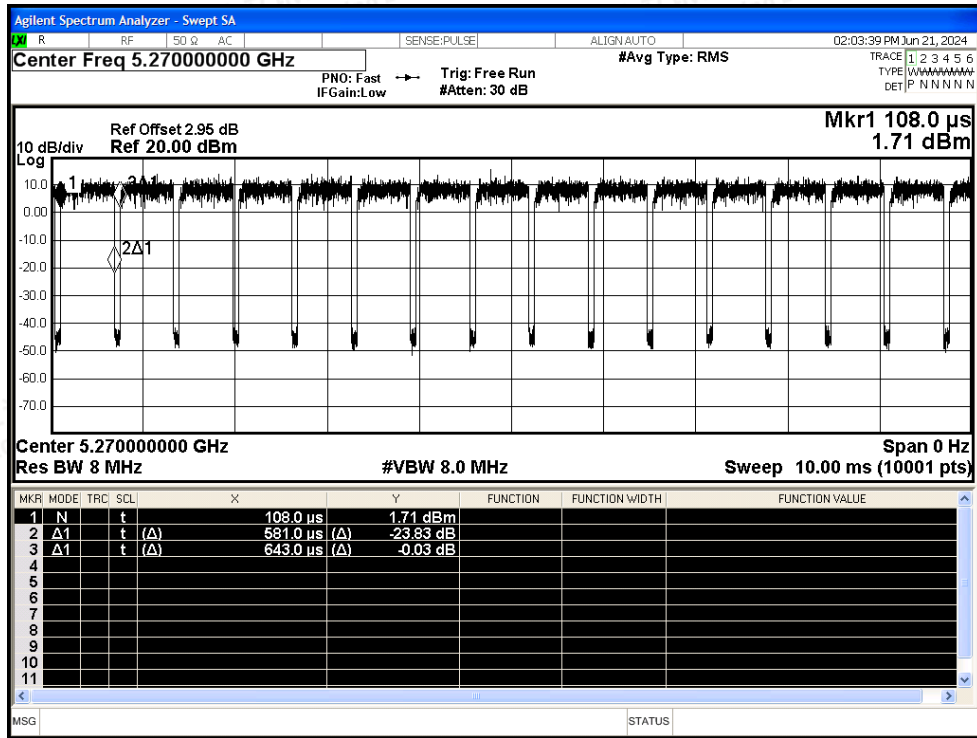




Duty Cycle NVNT ac20 5320MHz Ant1

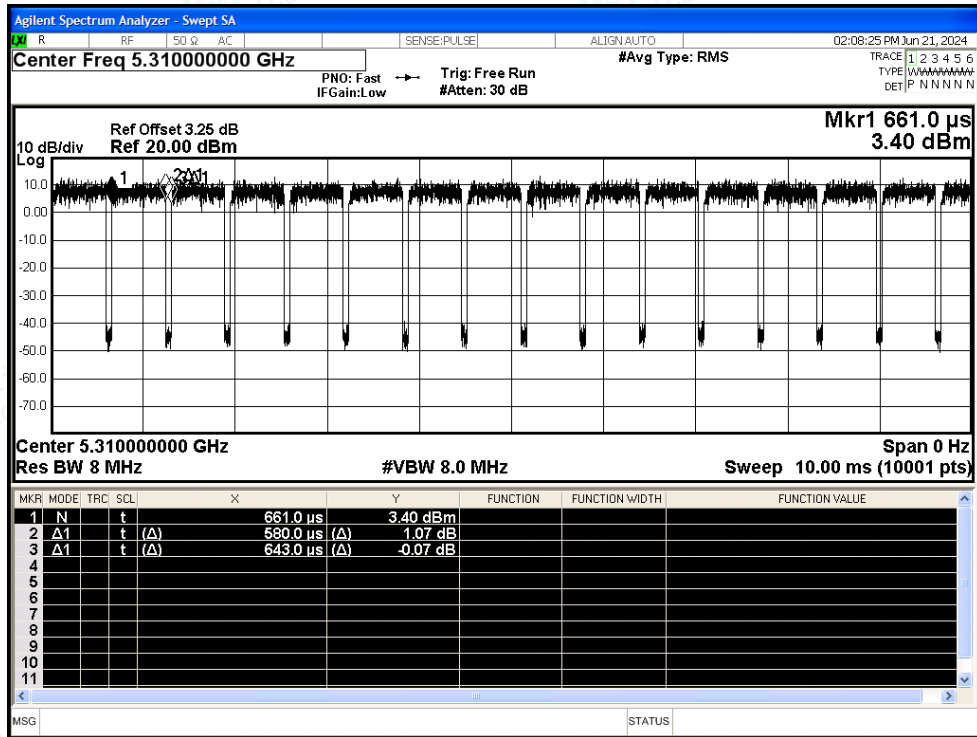


Duty Cycle NVNT ac40 5270MHz Ant1





Duty Cycle NVNT ac40 5310MHz Ant1



Duty Cycle NVNT ac80 5290MHz Ant1

