



Appendix E

RF Test Data for 5.3GWIFI(Conducted Measurement)

Product Name: eNote

Test Model: N10G232

Environmental Conditions

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



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E.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	29.449	---	Pass
NVNT	a	5300	Ant1	27.174	---	Pass
NVNT	a	5320	Ant1	28.138	---	Pass
NVNT	n20	5260	Ant1	28.541	---	Pass
NVNT	n20	5300	Ant1	26.812	---	Pass
NVNT	n20	5320	Ant1	25.162	---	Pass
NVNT	n40	5270	Ant1	41.706	---	Pass
NVNT	n40	5310	Ant1	45.421	---	Pass
NVNT	ac20	5260	Ant1	26.483	---	Pass
NVNT	ac20	5300	Ant1	25.022	---	Pass
NVNT	ac20	5320	Ant1	29.743	---	Pass
NVNT	ac40	5270	Ant1	52.86	---	Pass
NVNT	ac40	5310	Ant1	49.573	---	Pass
NVNT	ac80	5290	Ant1	78.591	---	Pass

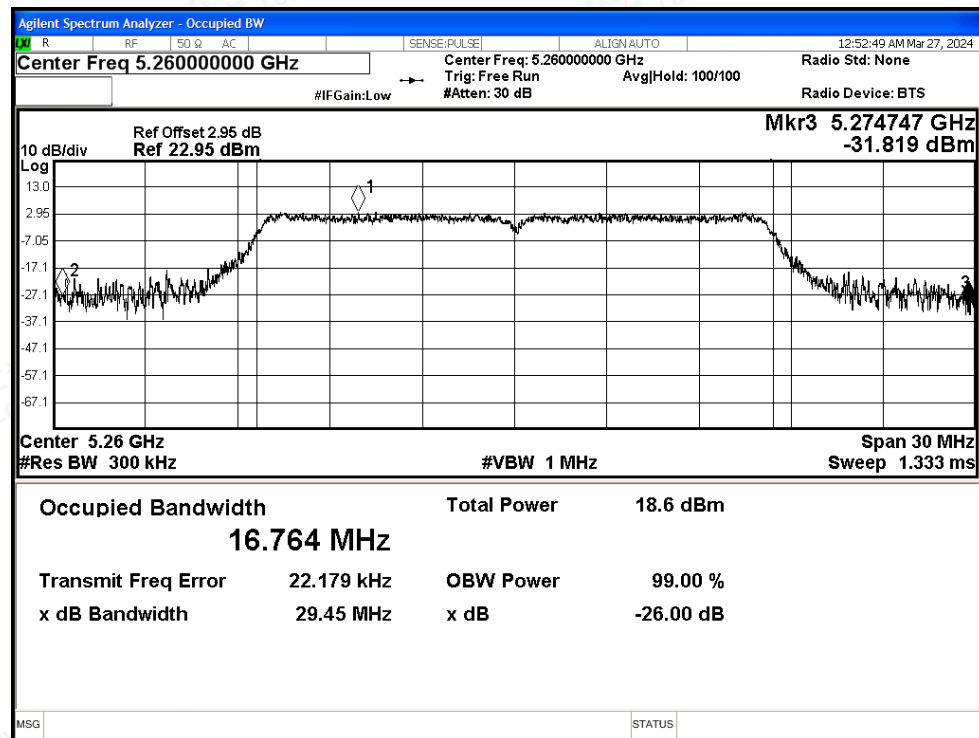


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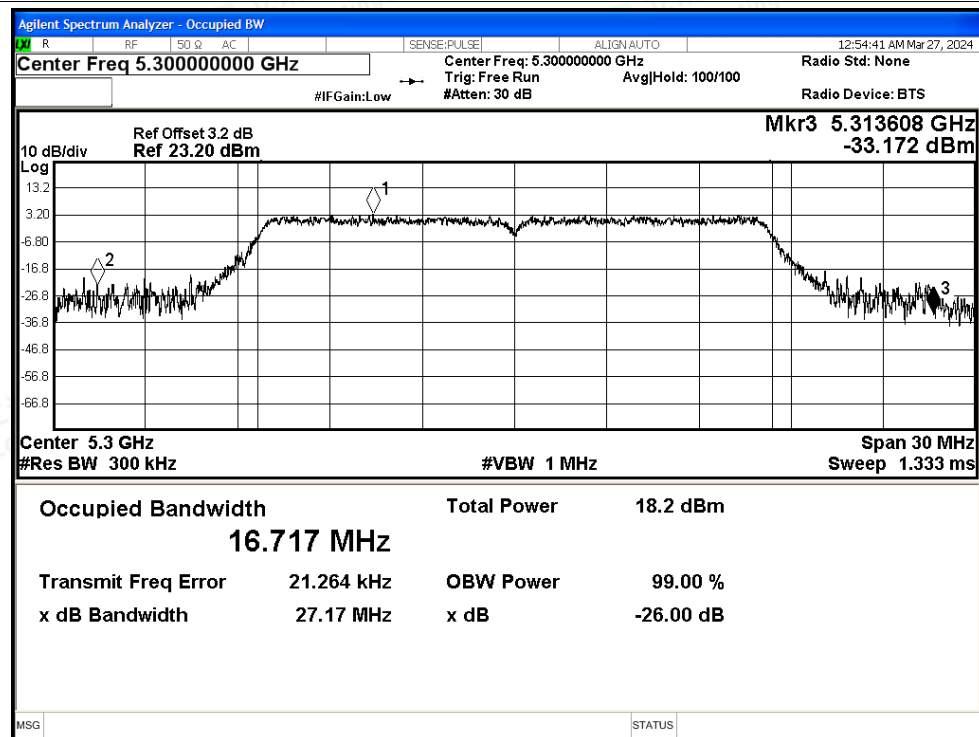


Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1

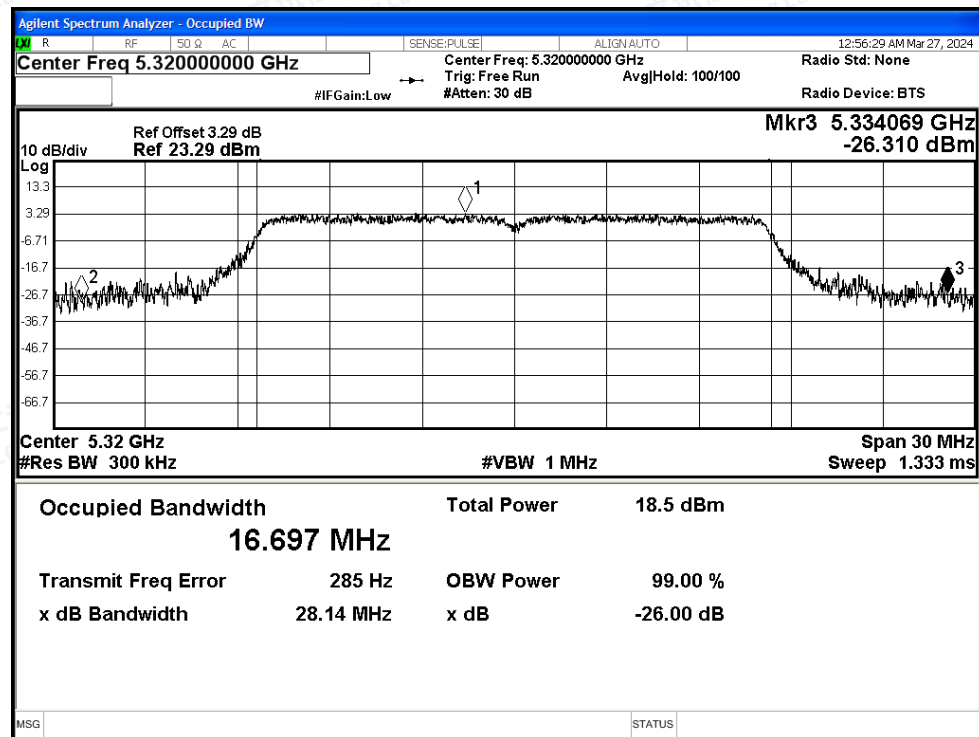


-26dB Bandwidth NVNT a 5300MHz Ant1

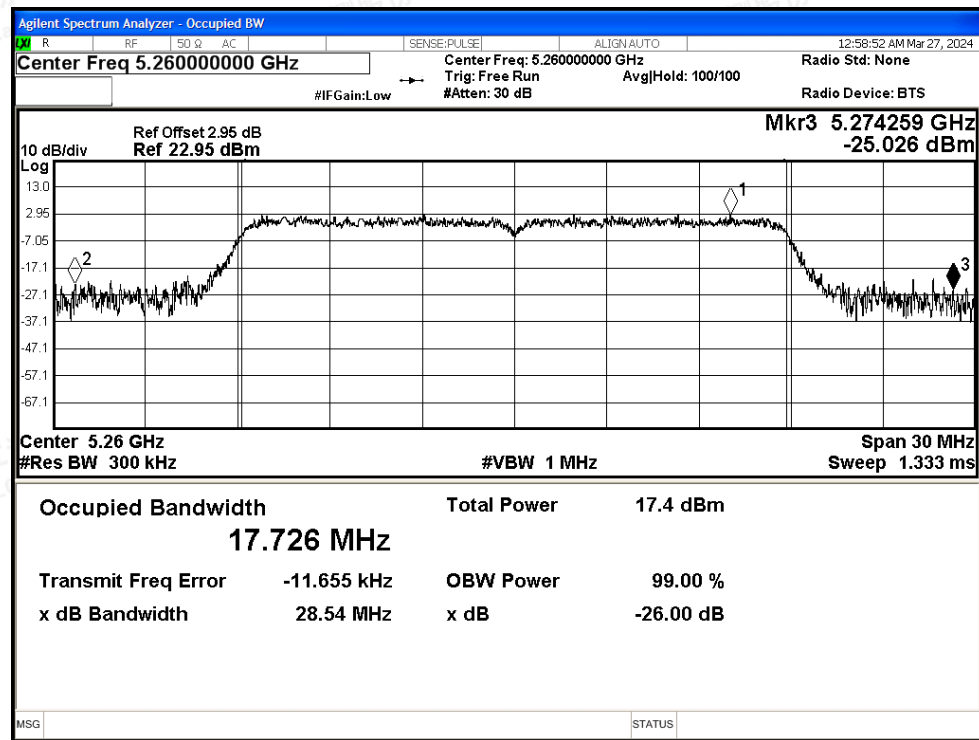




-26dB Bandwidth NVNT a 5320MHz Ant1

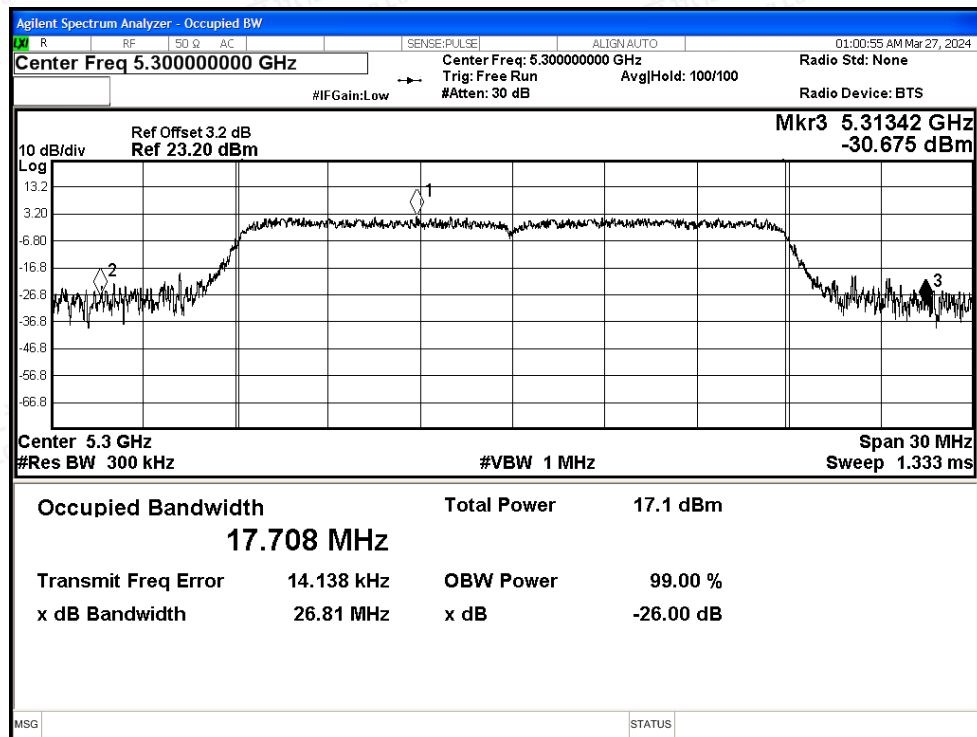


-26dB Bandwidth NVNT n20 5260MHz Ant1

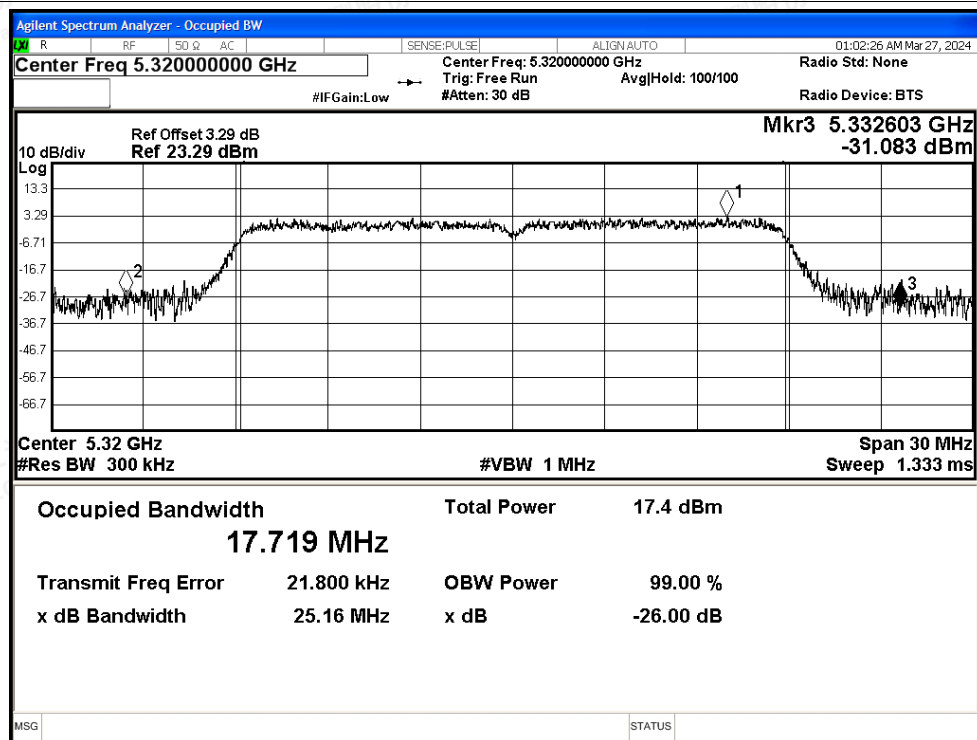




-26dB Bandwidth NVNT n20 5300MHz Ant1

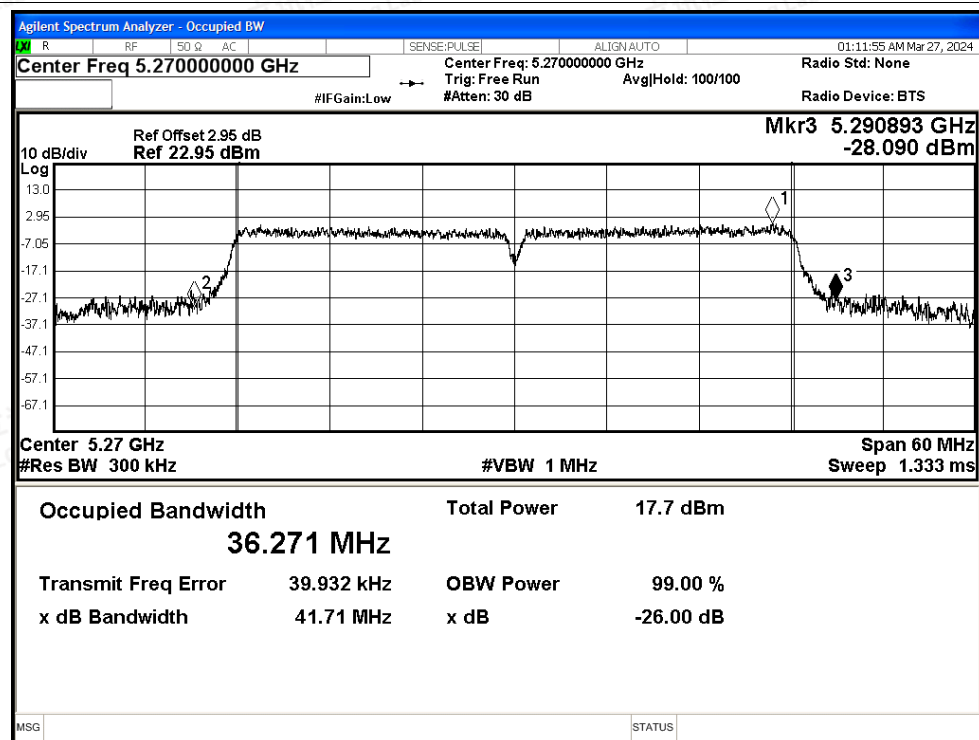


-26dB Bandwidth NVNT n20 5320MHz Ant1

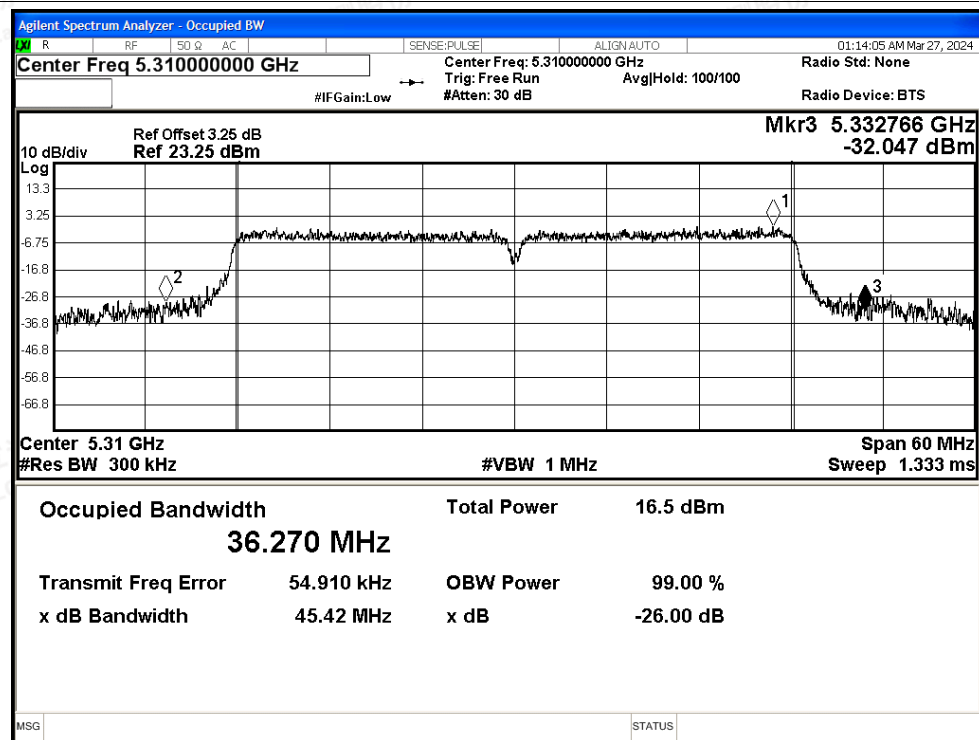




-26dB Bandwidth NVNT n40 5270MHz Ant1

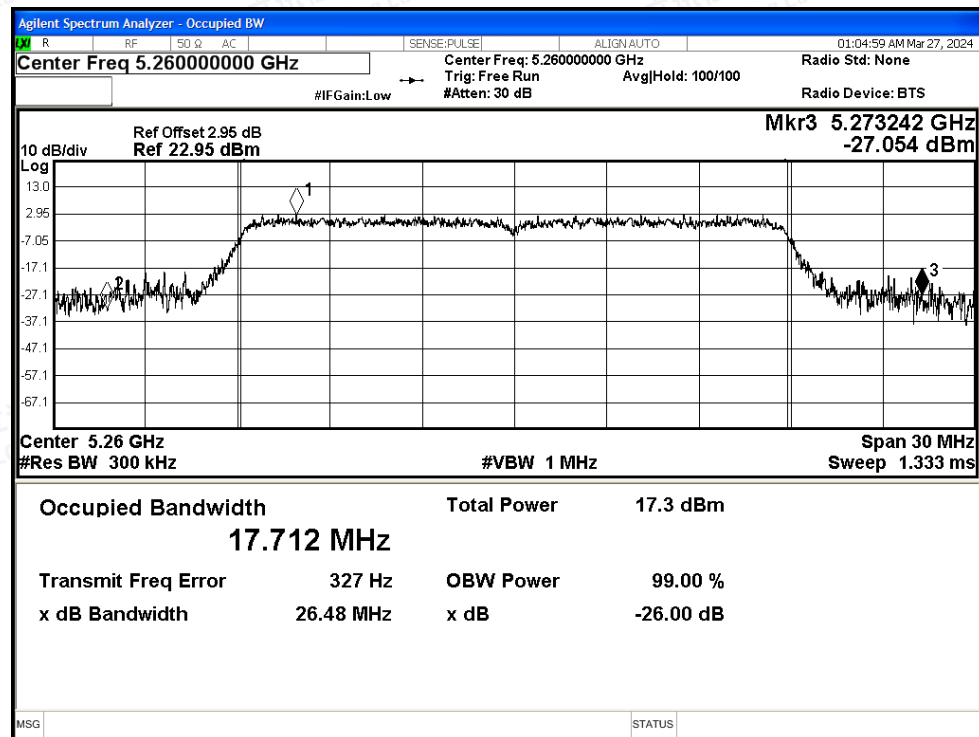


-26dB Bandwidth NVNT n40 5310MHz Ant1

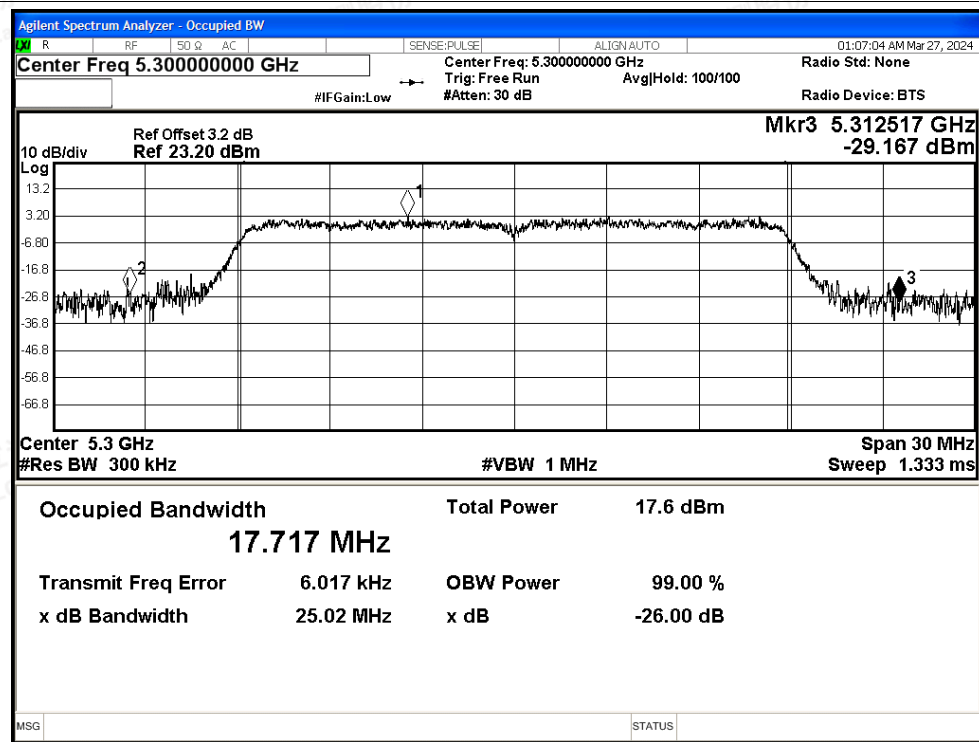




-26dB Bandwidth NVNT ac20 5260MHz Ant1

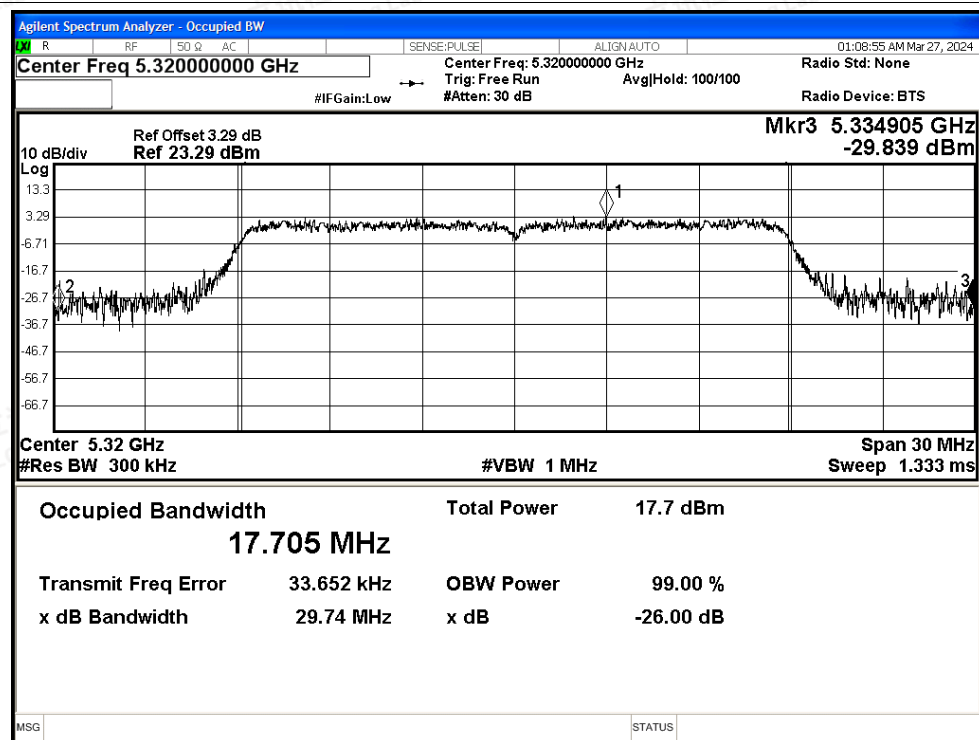


-26dB Bandwidth NVNT ac20 5300MHz Ant1

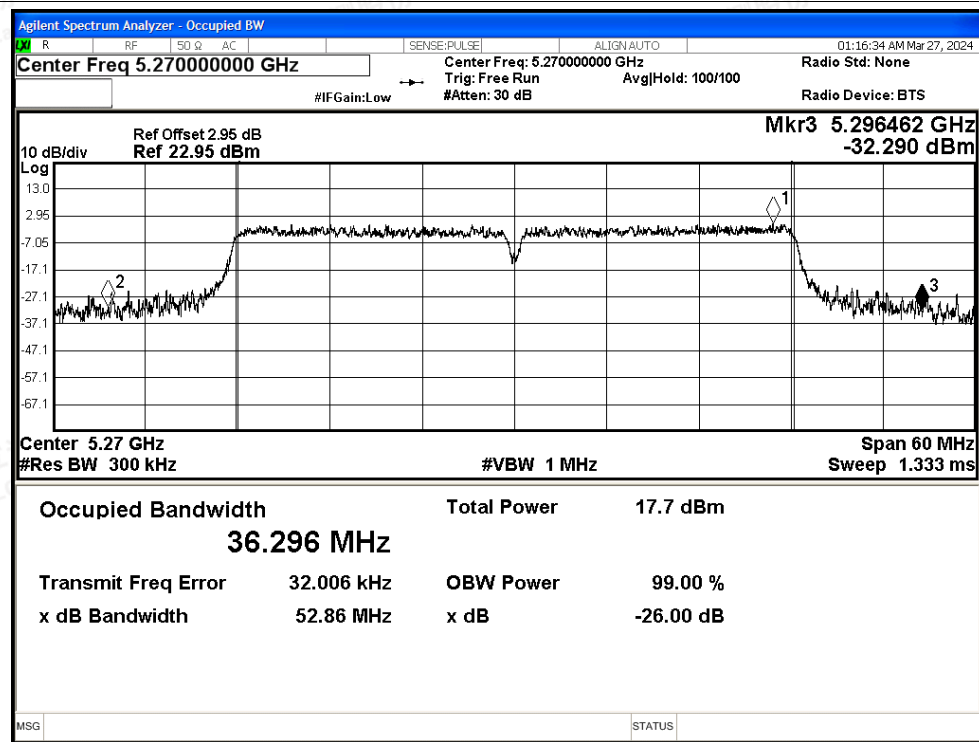




-26dB Bandwidth NVNT ac20 5320MHz Ant1

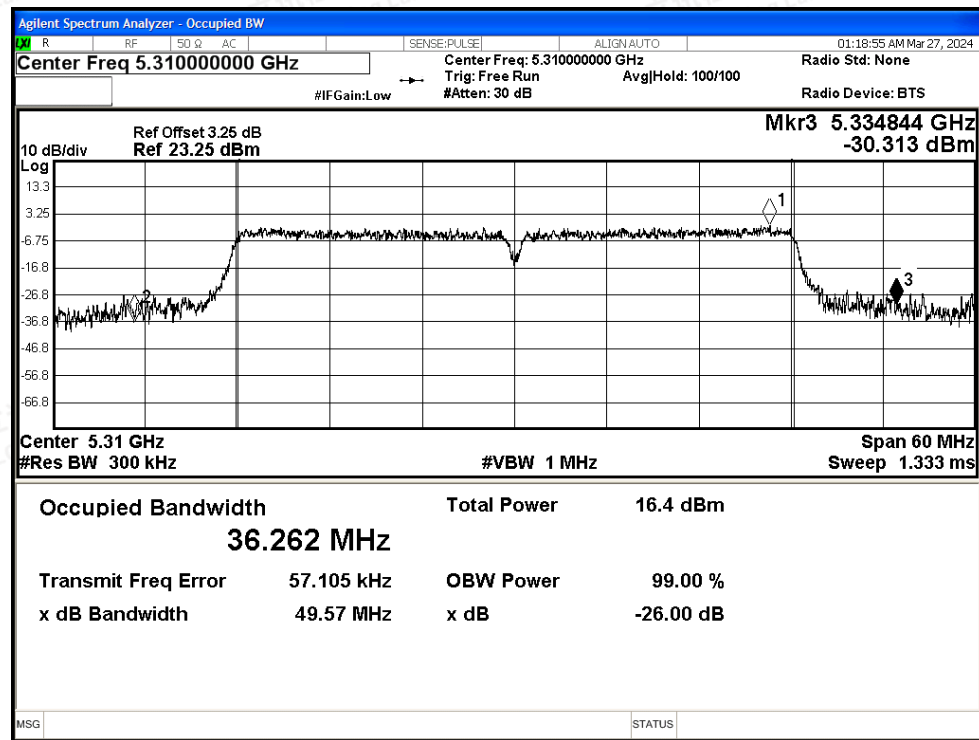


-26dB Bandwidth NVNT ac40 5270MHz Ant1

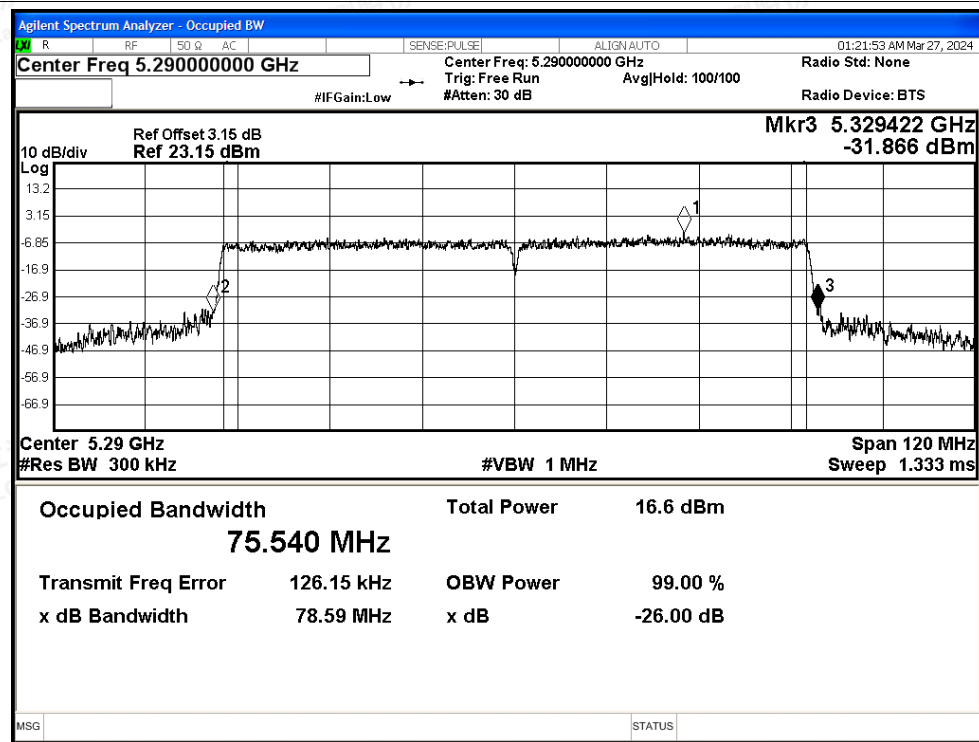




-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1





E.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	12.36	0.6	12.96	24	Pass
NVNT	a	5300	Ant1	12.35	0.6	12.95	24	Pass
NVNT	a	5320	Ant1	12.25	0.69	12.94	24	Pass
NVNT	n20	5260	Ant1	11.31	0.66	11.97	24	Pass
NVNT	n20	5300	Ant1	11.44	0.7	12.14	24	Pass
NVNT	n20	5320	Ant1	11.38	0.66	12.04	24	Pass
NVNT	n40	5270	Ant1	10.4	0.84	11.24	24	Pass
NVNT	n40	5310	Ant1	10.22	0.84	11.06	24	Pass
NVNT	ac20	5260	Ant1	11.25	0.69	11.94	24	Pass
NVNT	ac20	5300	Ant1	11.2	0.69	11.89	24	Pass
NVNT	ac20	5320	Ant1	11.25	0.66	11.91	24	Pass
NVNT	ac40	5270	Ant1	10.96	0.84	11.8	24	Pass
NVNT	ac40	5310	Ant1	10.47	0.84	11.31	24	Pass
NVNT	ac80	5290	Ant1	9.58	1.58	11.16	24	Pass



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E.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	Ant1	1.94	0.6	2.54	11	Pass
NVNT	a	5300	Ant1	1.43	0.6	2.03	11	Pass
NVNT	a	5320	Ant1	2.14	0.69	2.83	11	Pass
NVNT	n20	5260	Ant1	0.84	0.66	1.5	11	Pass
NVNT	n20	5300	Ant1	0.19	0.7	0.89	11	Pass
NVNT	n20	5320	Ant1	1.25	0.66	1.91	11	Pass
NVNT	n40	5270	Ant1	-1.96	0.84	-1.12	11	Pass
NVNT	n40	5310	Ant1	-2.84	0.84	-2	11	Pass
NVNT	ac20	5260	Ant1	0.67	0.69	1.36	11	Pass
NVNT	ac20	5300	Ant1	0.99	0.69	1.68	11	Pass
NVNT	ac20	5320	Ant1	1.25	0.66	1.91	11	Pass
NVNT	ac40	5270	Ant1	-1.81	0.84	-0.97	11	Pass
NVNT	ac40	5310	Ant1	-3.16	0.84	-2.32	11	Pass
NVNT	ac80	5290	Ant1	-6.88	1.58	-5.3	11	Pass

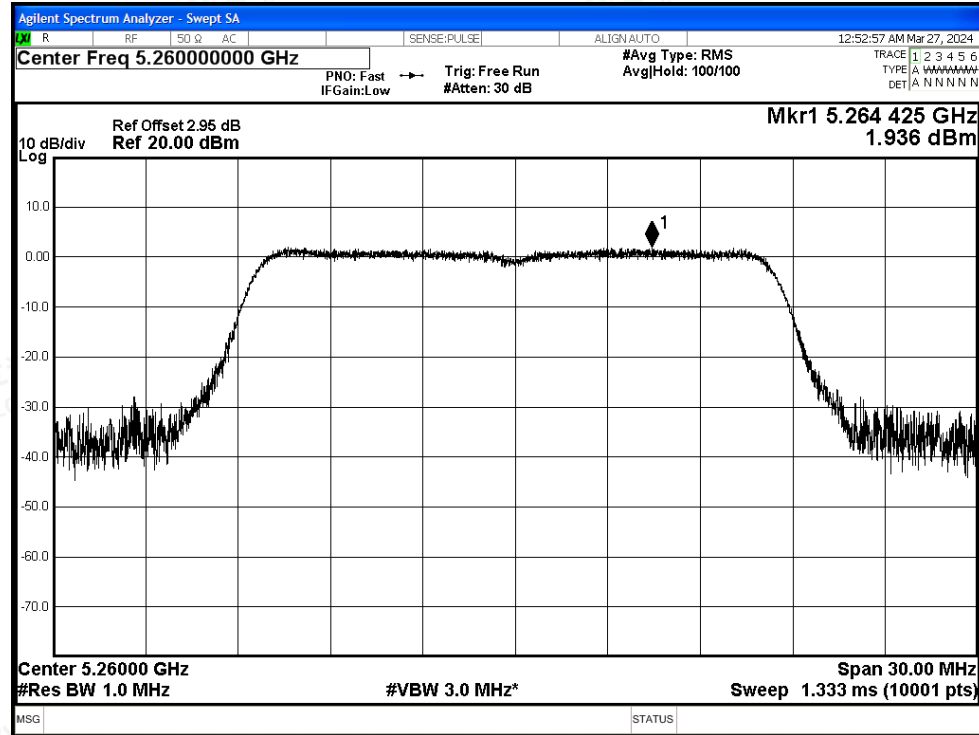


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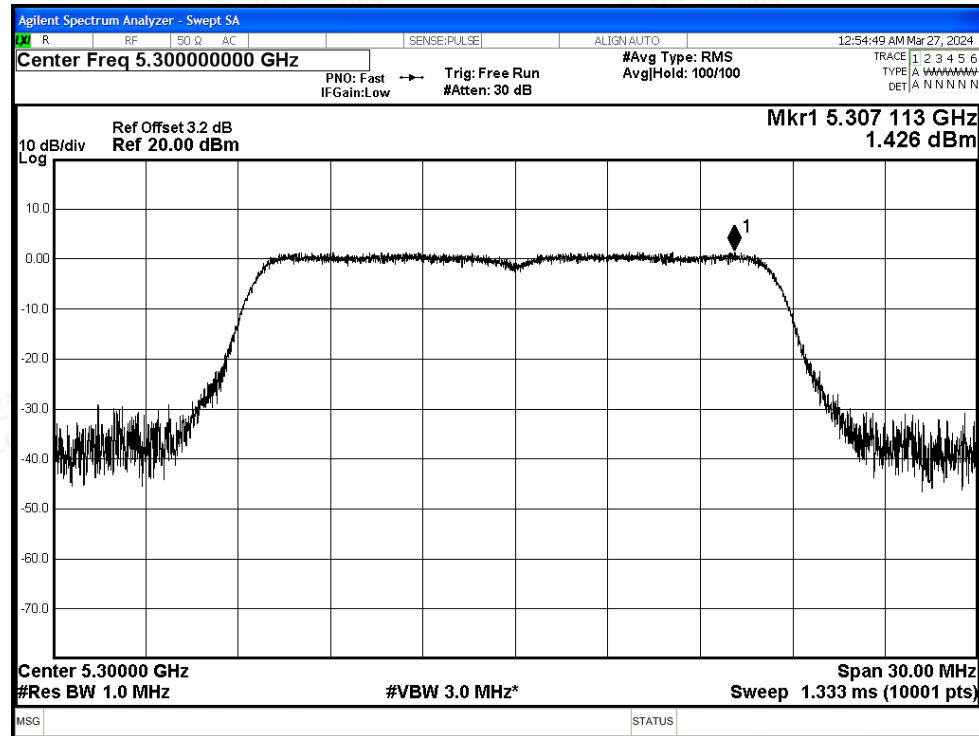


Test Graphs

PSD NVNT a 5260MHz Ant1

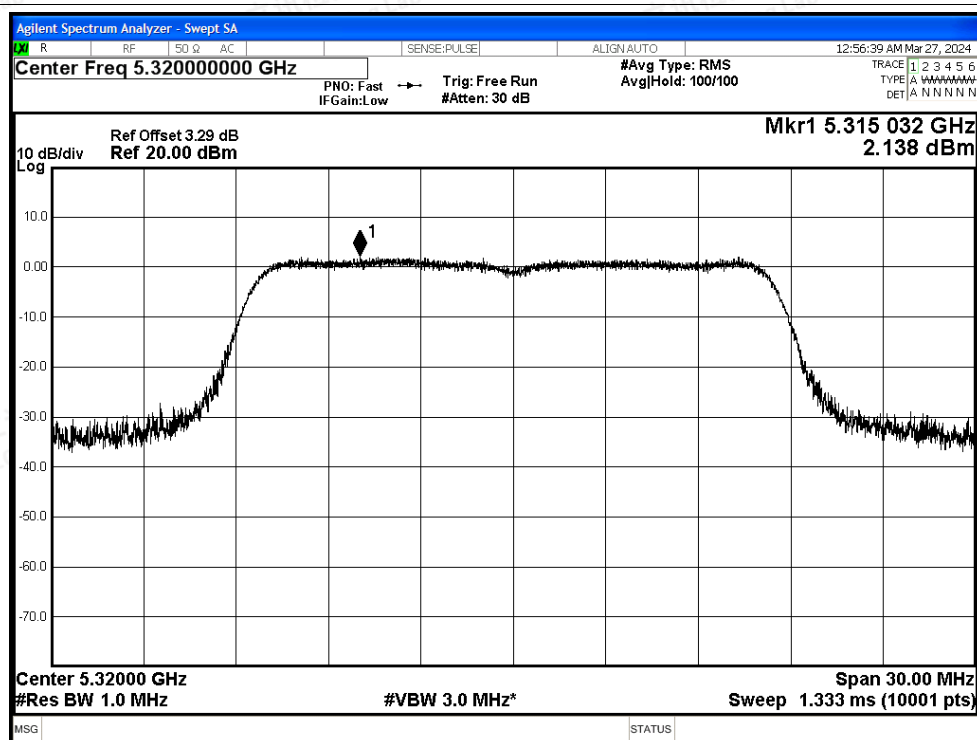


PSD NVNT a 5300MHz Ant1

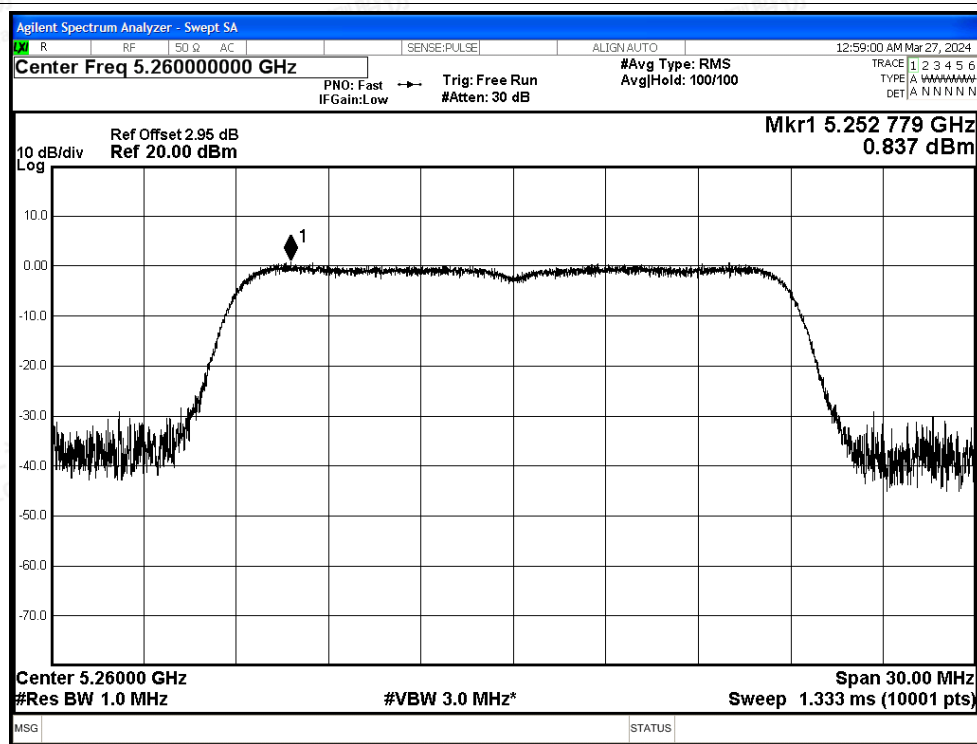


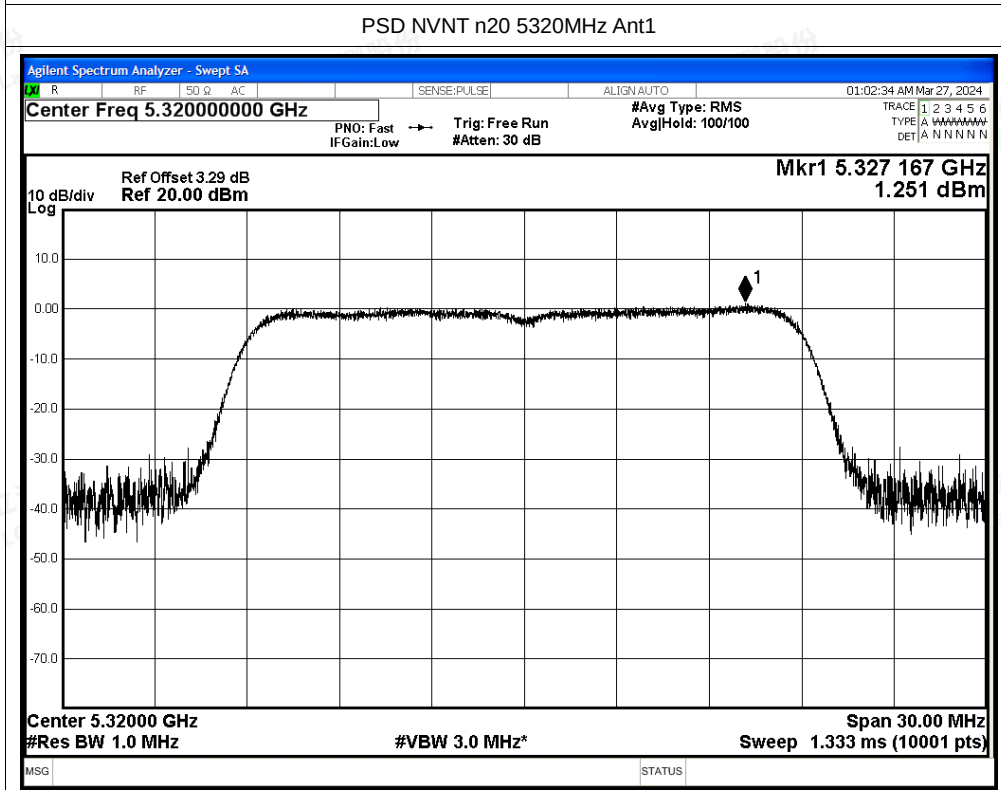
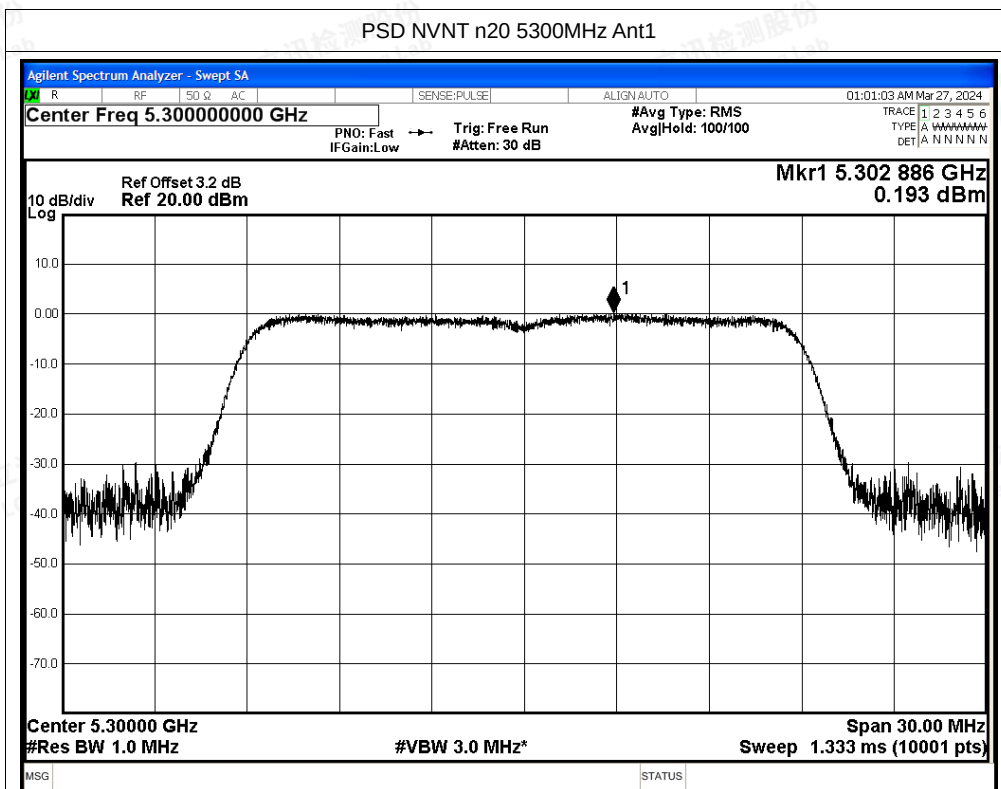


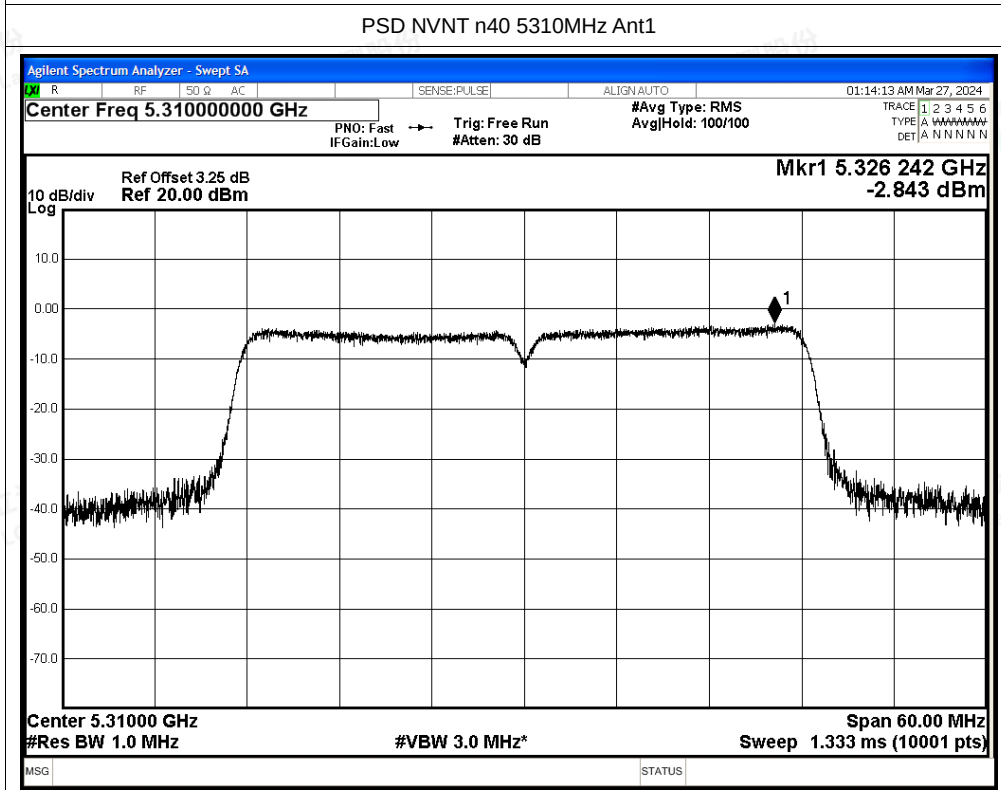
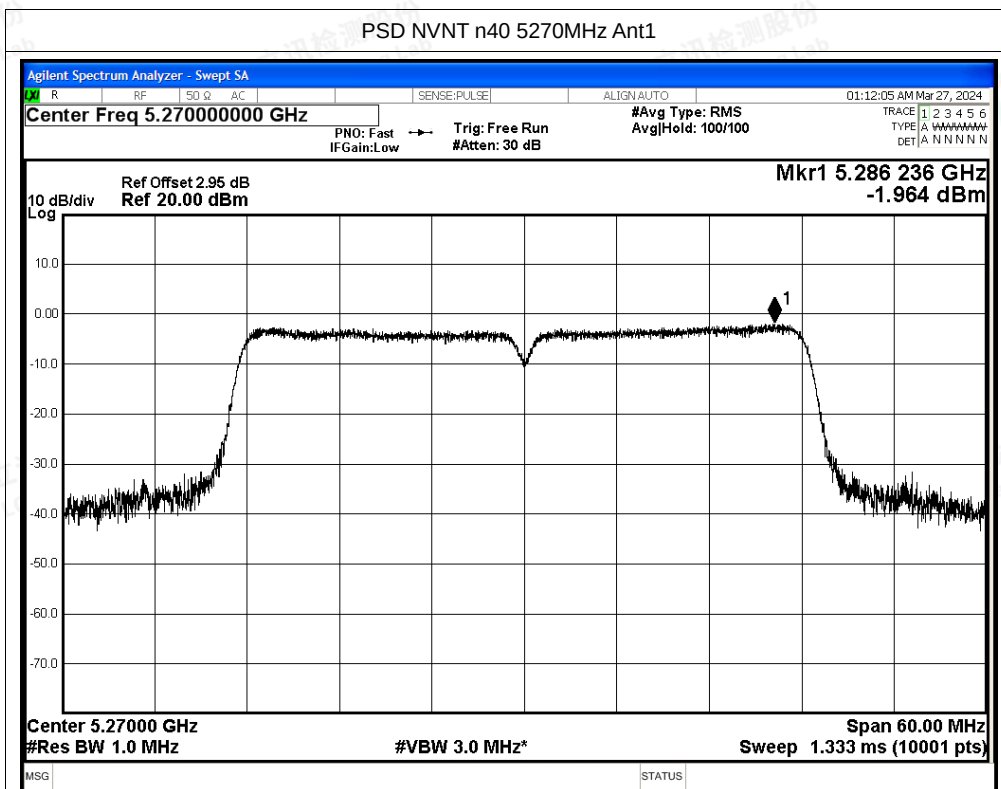
PSD NVNT a 5320MHz Ant1



PSD NVNT n20 5260MHz Ant1

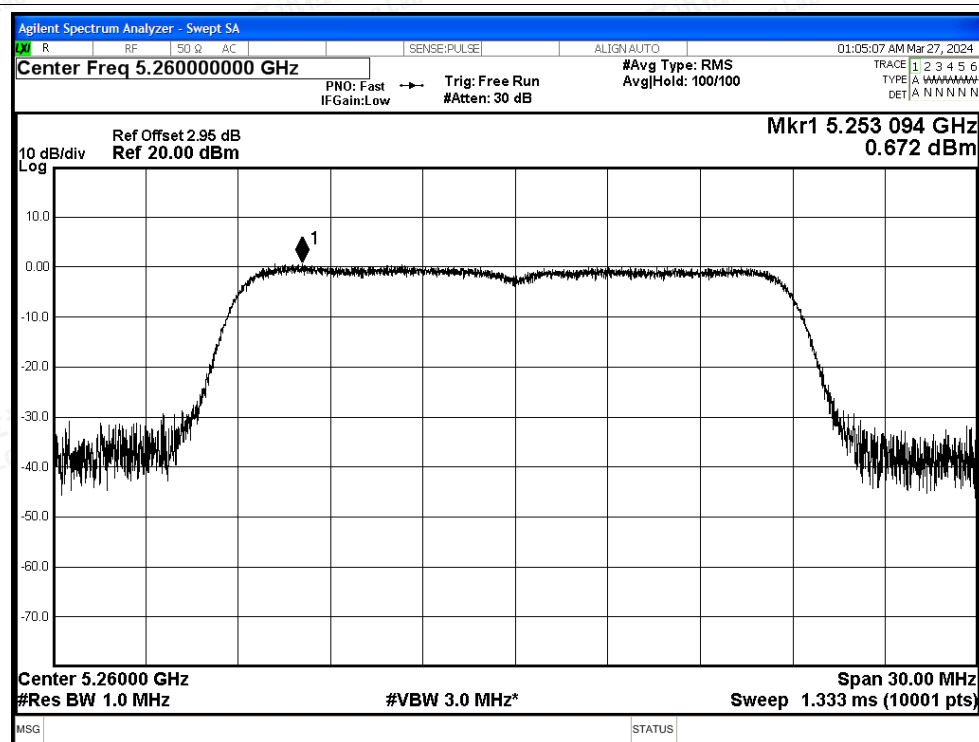




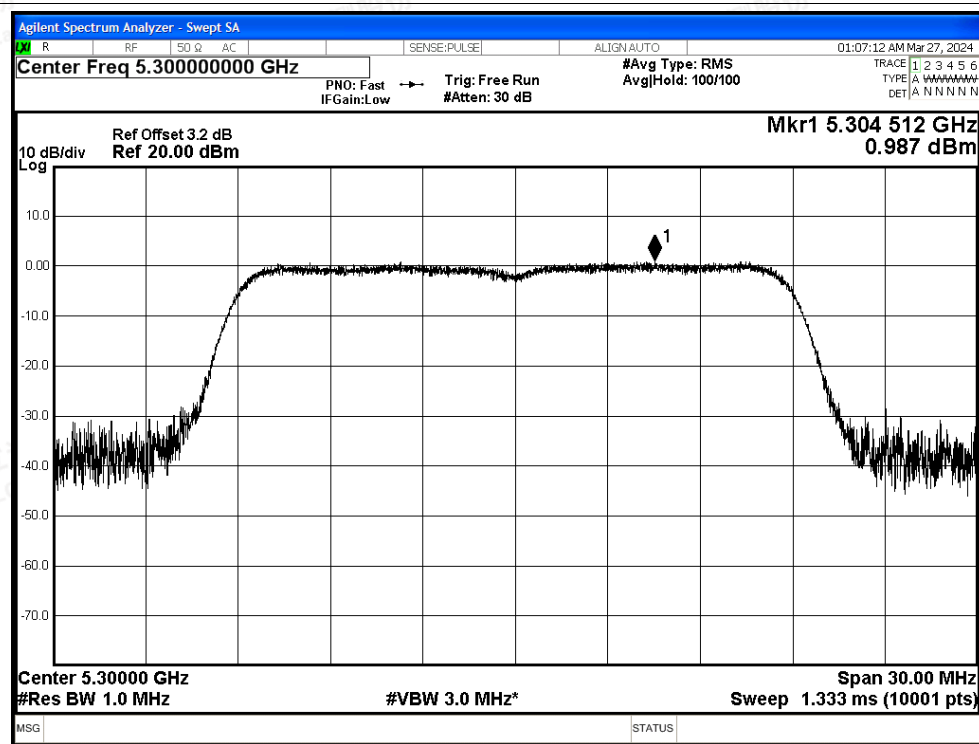


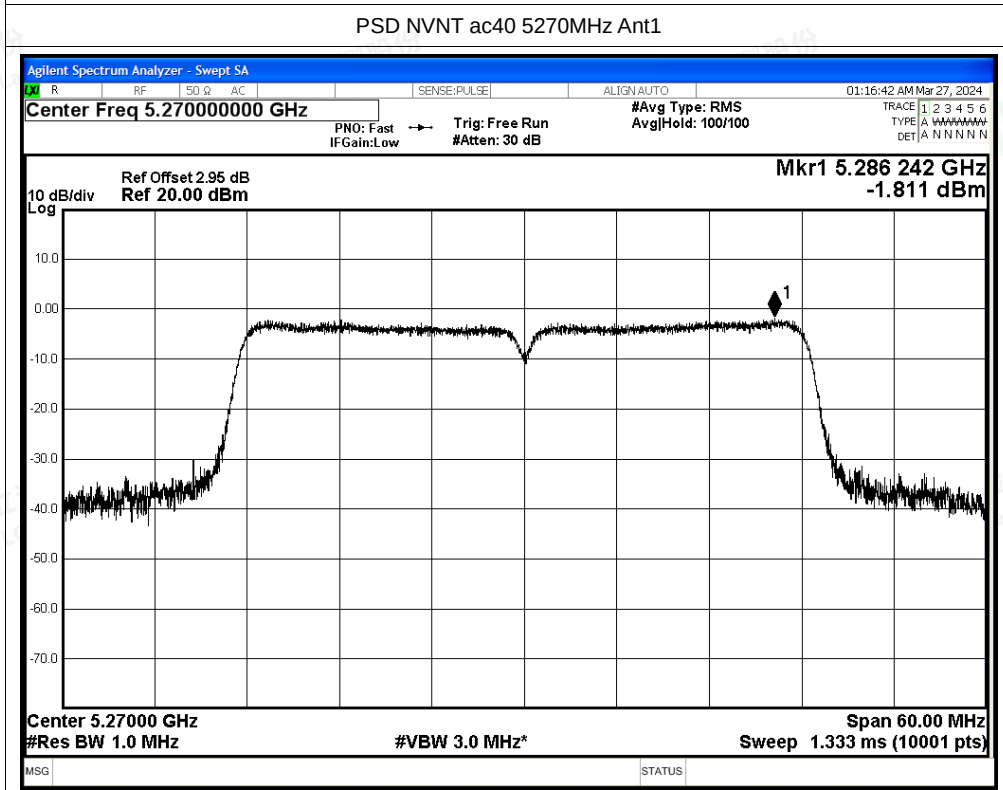
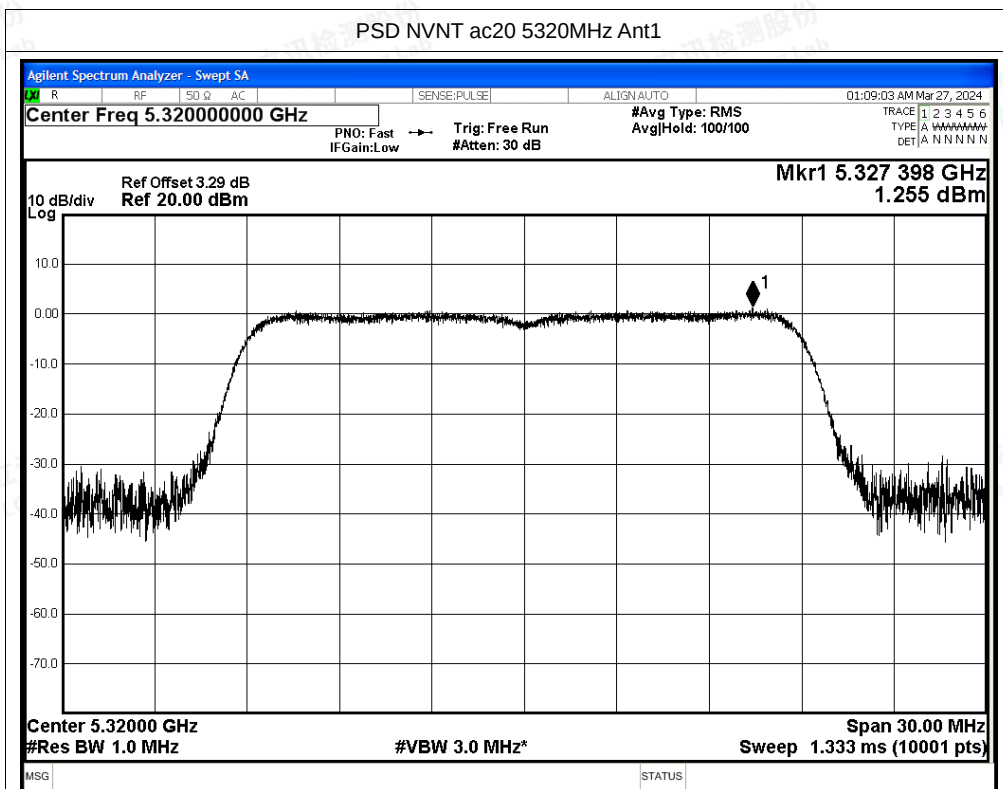


PSD NVNT ac20 5260MHz Ant1



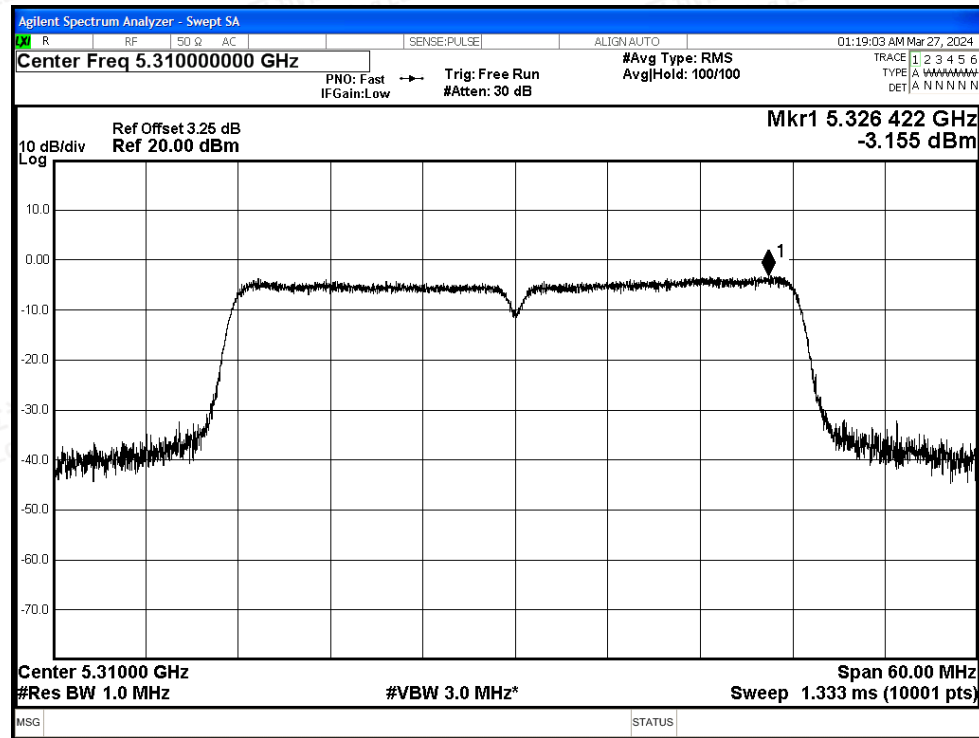
PSD NVNT ac20 5300MHz Ant1



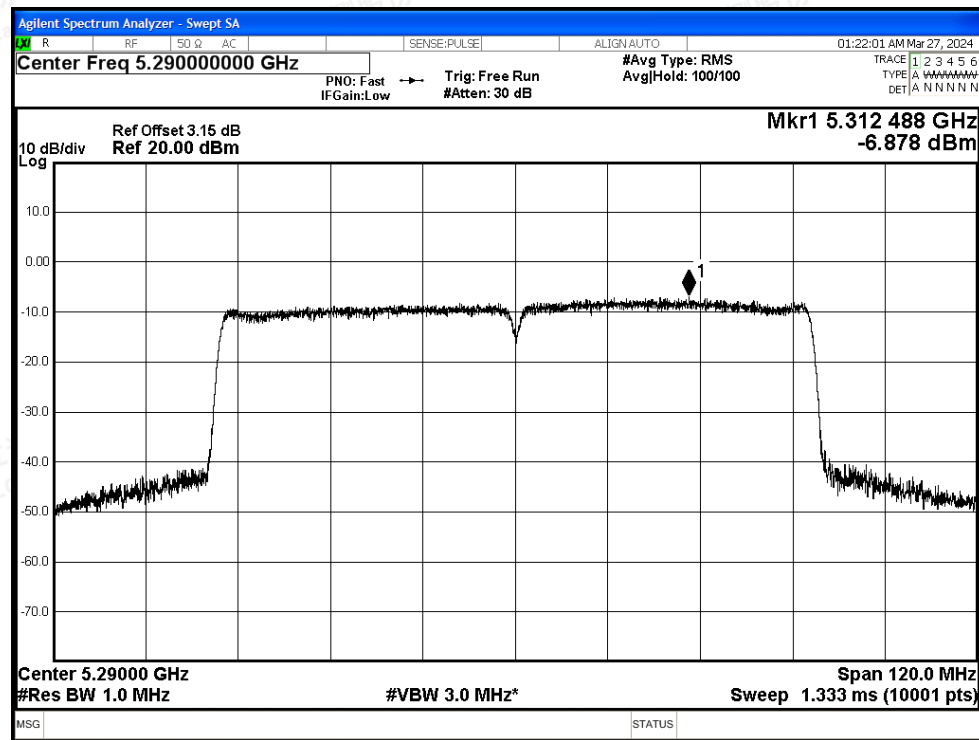




PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5290MHz Ant1





E.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	-50.44	2	-	46.79	Peak	68.2	Pass
NVNT	a	5260	Ant1	4500	-59.51	2	0.6	38.32	Average	54	Pass
NVNT	a	5260	Ant1	5041.32	-46.52	2	-	50.71	Peak	68.2	Pass
NVNT	a	5260	Ant1	5149.74	-56.79	2	0.6	41.04	Average	54	Pass
NVNT	a	5260	Ant1	5150	-47.81	2	-	49.42	Peak	68.2	Pass
NVNT	a	5260	Ant1	5150	-56.79	2	0.6	41.04	Average	54	Pass
NVNT	a	5320	Ant1	5350	-39.48	2	-	57.75	Peak	68.2	Pass
NVNT	a	5320	Ant1	5350	-51.2	2	0.69	46.72	Average	54	Pass
NVNT	a	5320	Ant1	5350.2	-36.97	2	-	60.26	Peak	68.2	Pass
NVNT	a	5320	Ant1	5460	-49.83	2	-	47.4	Peak	68.2	Pass
NVNT	a	5320	Ant1	5460	-58.47	2	0.69	39.45	Average	54	Pass
NVNT	n20	5260	Ant1	4500	-50.01	2	-	47.22	Peak	68.2	Pass
NVNT	n20	5260	Ant1	4500	-59.31	2	0.66	38.58	Average	54	Pass
NVNT	n20	5260	Ant1	4897.02	-46.71	2	-	50.52	Peak	68.2	Pass
NVNT	n20	5260	Ant1	5107.62	-56.79	2	0.66	41.1	Average	54	Pass
NVNT	n20	5260	Ant1	5150	-49.65	2	-	47.58	Peak	68.2	Pass
NVNT	n20	5260	Ant1	5150	-57.69	2	0.66	40.2	Average	54	Pass
NVNT	n20	5320	Ant1	5350	-38.39	2	-	58.84	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5350	-52.8	2	0.66	45.09	Average	54	Pass
NVNT	n20	5320	Ant1	5352	-52.42	2	0.66	45.47	Average	54	Pass
NVNT	n20	5320	Ant1	5460	-50.9	2	-	46.33	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5460	-58.18	2	0.66	39.71	Average	54	Pass
NVNT	n40	5270	Ant1	4500	-50.78	2	-	46.45	Peak	68.2	Pass
NVNT	n40	5270	Ant1	4500	-59.56	2	0.84	38.51	Average	54	Pass
NVNT	n40	5270	Ant1	4962.51	-46.6	2	-	50.63	Peak	68.2	Pass
NVNT	n40	5270	Ant1	5068.62	-56.85	2	0.84	41.22	Average	54	Pass
NVNT	n40	5270	Ant1	5150	-49.85	2	-	47.38	Peak	68.2	Pass
NVNT	n40	5270	Ant1	5150	-58.11	2	0.84	39.96	Average	54	Pass
NVNT	n40	5310	Ant1	5350	-33.92	2	-	63.31	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5350	-47.45	2	0.84	50.62	Average	54	Pass
NVNT	n40	5310	Ant1	5351.2	-30.85	2	-	66.38	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5351.6	-45.23	2	0.84	52.84	Average	54	Pass
NVNT	n40	5310	Ant1	5460	-49.71	2	-	47.52	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5460	-58.09	2	0.84	39.98	Average	54	Pass
NVNT	ac20	5260	Ant1	4500	-51.4	2	-	45.83	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	4500	-58.67	2	0.69	39.25	Average	54	Pass





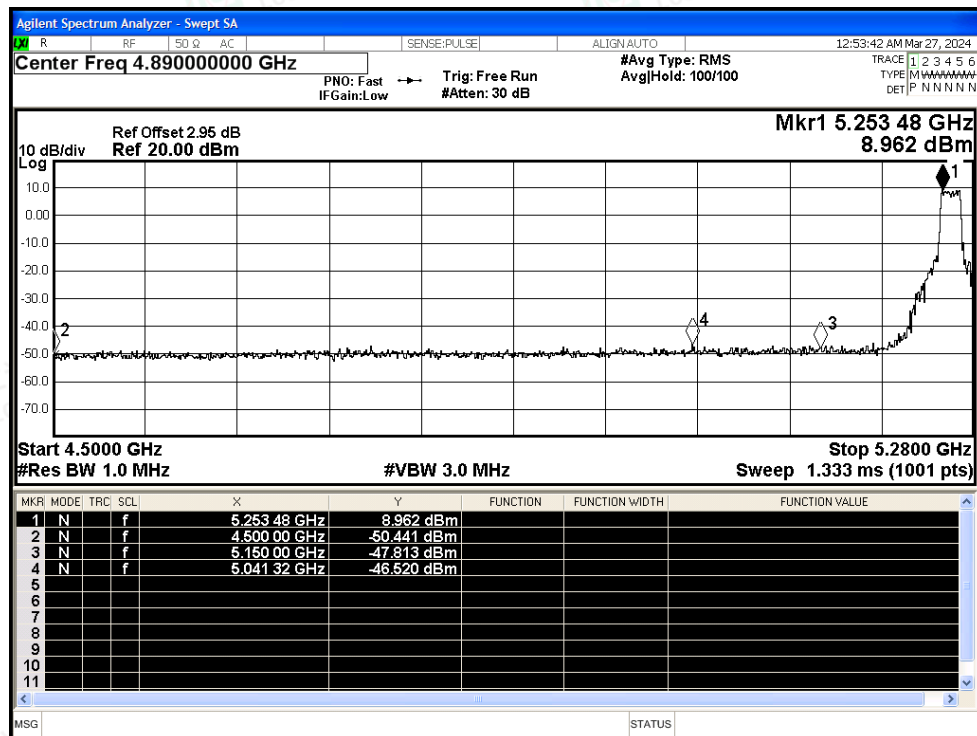
NVNT	ac20	5260	Ant1	5105.28	-46.43	2	-	50.8	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	5145.84	-56.88	2	0.69	41.04	Average	54	Pass
NVNT	ac20	5260	Ant1	5150	-48.74	2	-	48.49	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	5150	-57.34	2	0.69	40.58	Average	54	Pass
NVNT	ac20	5320	Ant1	5350	-34.76	2	-	62.47	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5350	-48.3	2	0.66	49.59	Average	54	Pass
NVNT	ac20	5320	Ant1	5351.2	-34.04	2	-	63.19	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5460	-49.69	2	-	47.54	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5460	-57.57	2	0.66	40.32	Average	54	Pass
NVNT	ac40	5270	Ant1	4500	-49.6	2	-	47.63	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	4500	-58.94	2	0.84	39.13	Average	54	Pass
NVNT	ac40	5270	Ant1	5135.85	-46.87	2	-	50.36	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	5058.9	-56.96	2	0.84	41.11	Average	54	Pass
NVNT	ac40	5270	Ant1	5150	-48.46	2	-	48.77	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	5150	-57.11	2	0.84	40.96	Average	54	Pass
NVNT	ac40	5310	Ant1	5350	-40.78	2	-	56.45	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5350	-52.94	2	0.84	45.13	Average	54	Pass
NVNT	ac40	5310	Ant1	5351	-37.25	2	-	59.98	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5351	-52.16	2	0.84	45.91	Average	54	Pass
NVNT	ac40	5310	Ant1	5460	-51.07	2	-	46.16	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5460	-58.05	2	0.84	40.02	Average	54	Pass
NVNT	ac80	5290	Ant1	4500	-51.66	2	-	45.57	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	4500	-58.53	2	1.58	40.28	Average	54	Pass
NVNT	ac80	5290	Ant1	4620.93	-46.62	2	-	50.61	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5137.71	-56.23	2	1.58	42.58	Average	54	Pass
NVNT	ac80	5290	Ant1	5150	-47.83	2	-	49.4	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5150	-57.33	2	1.58	41.48	Average	54	Pass
NVNT	ac80	5290	Ant1	5350	-40.95	2	-	56.28	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5350	-52.81	2	1.58	46	Average	54	Pass
NVNT	ac80	5290	Ant1	5351	-39.57	2	-	57.66	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5353	-52.67	2	1.58	46.14	Average	54	Pass
NVNT	ac80	5290	Ant1	5460	-49.67	2	-	47.56	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5460	-57.95	2	1.58	40.86	Average	54	Pass



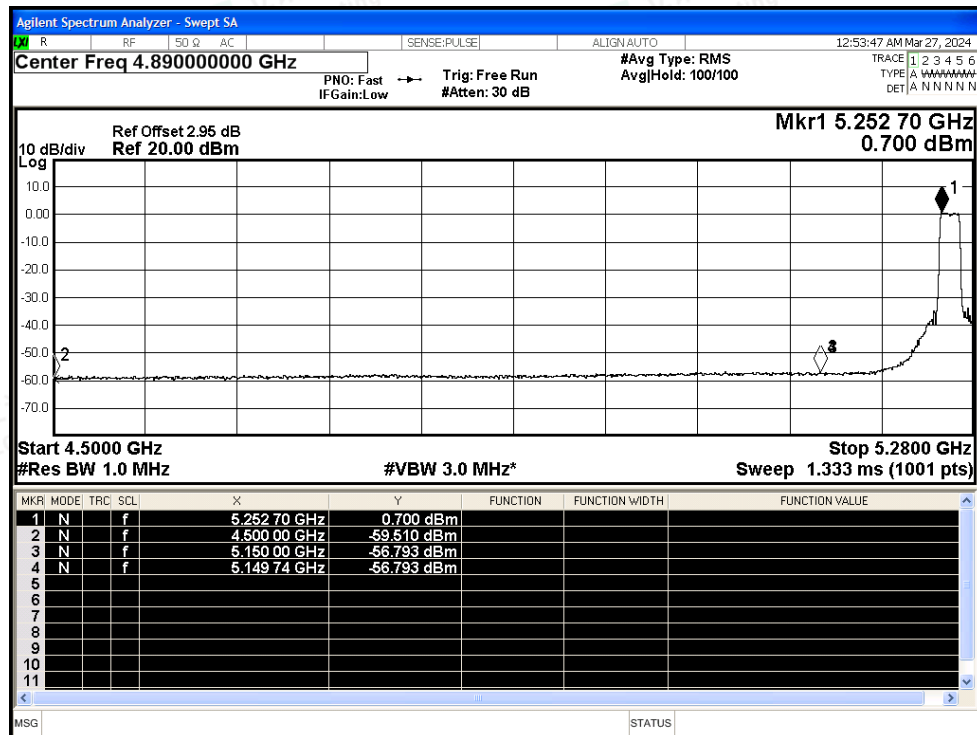


Test Graphs

Restrict Band NVNT a 5260MHz Ant1 Peak

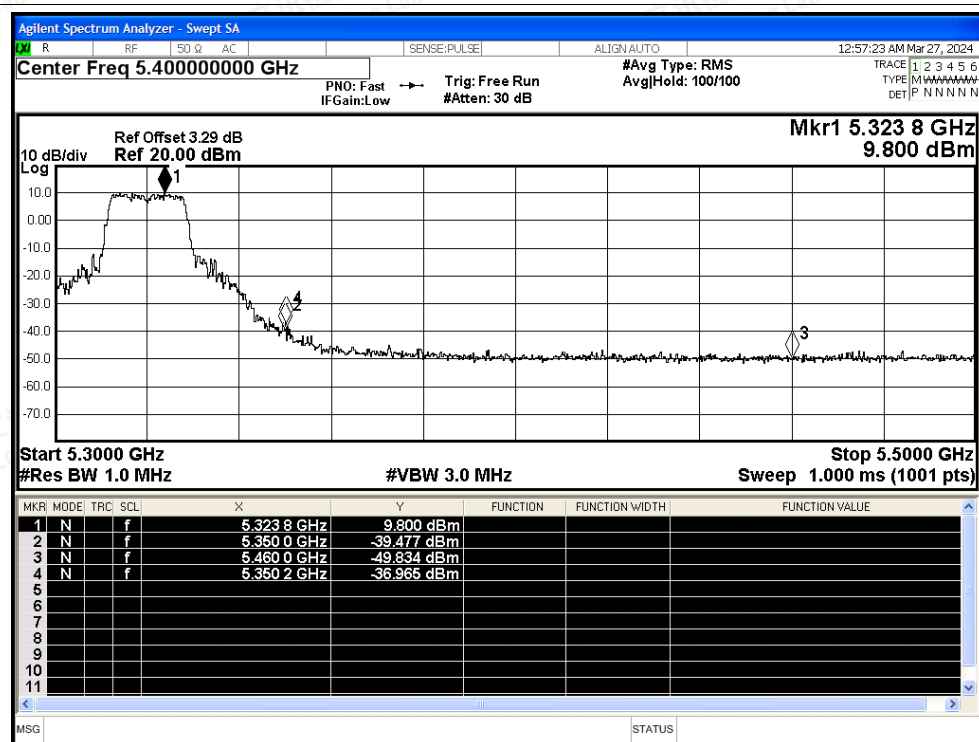


Restrict Band NVNT a 5260MHz Ant1 Average

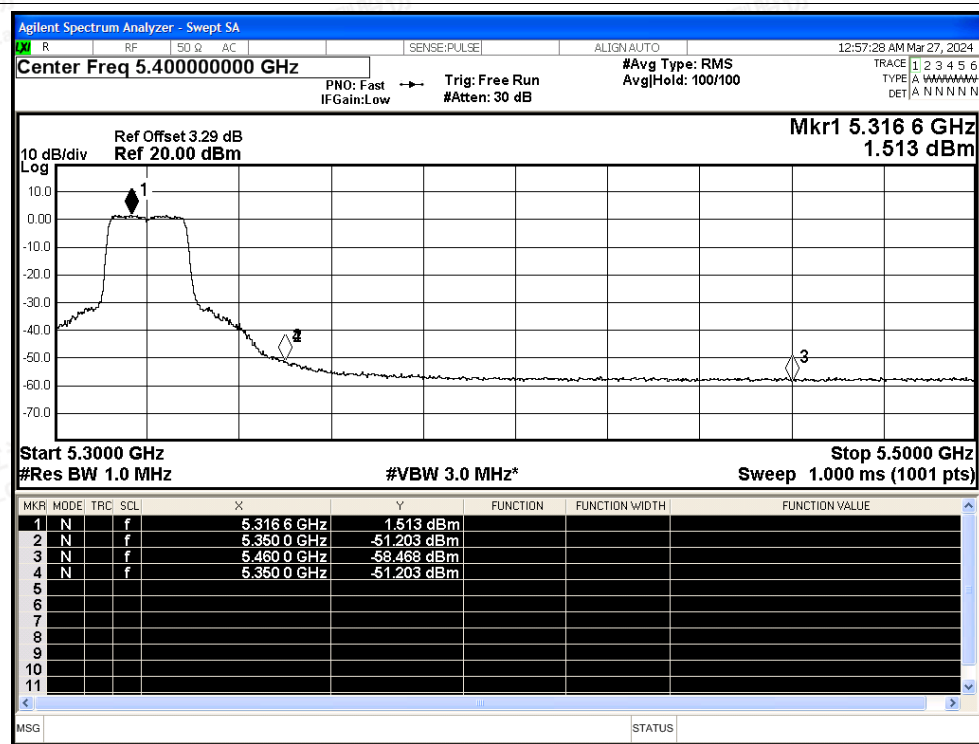




Restrict Band NVNT a 5320MHz Ant1 Peak

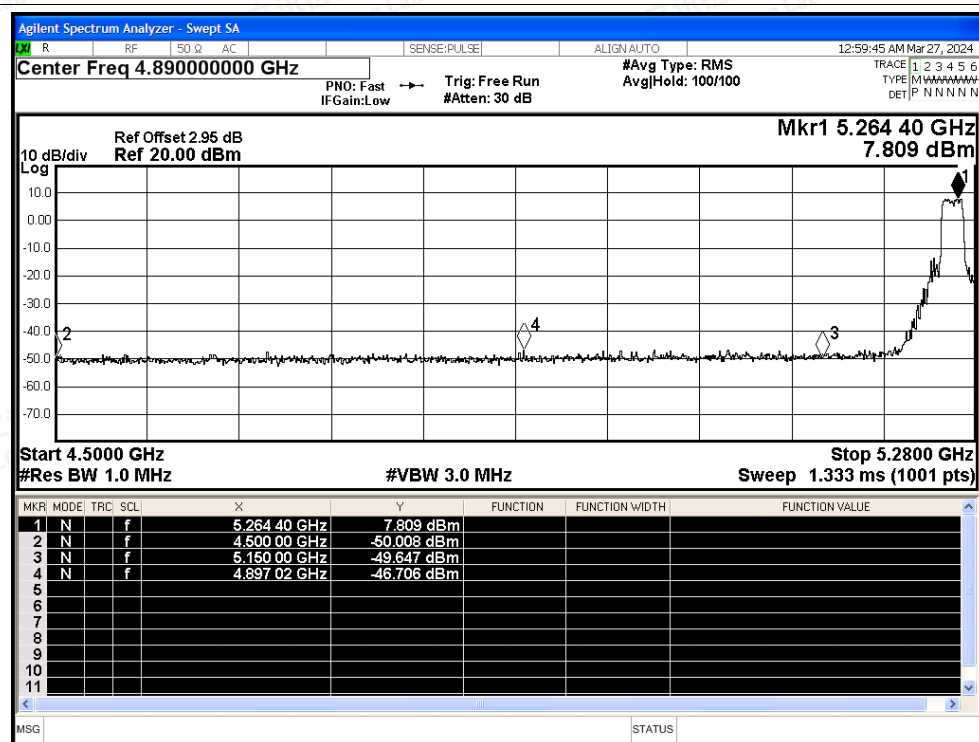


Restrict Band NVNT a 5320MHz Ant1 Average

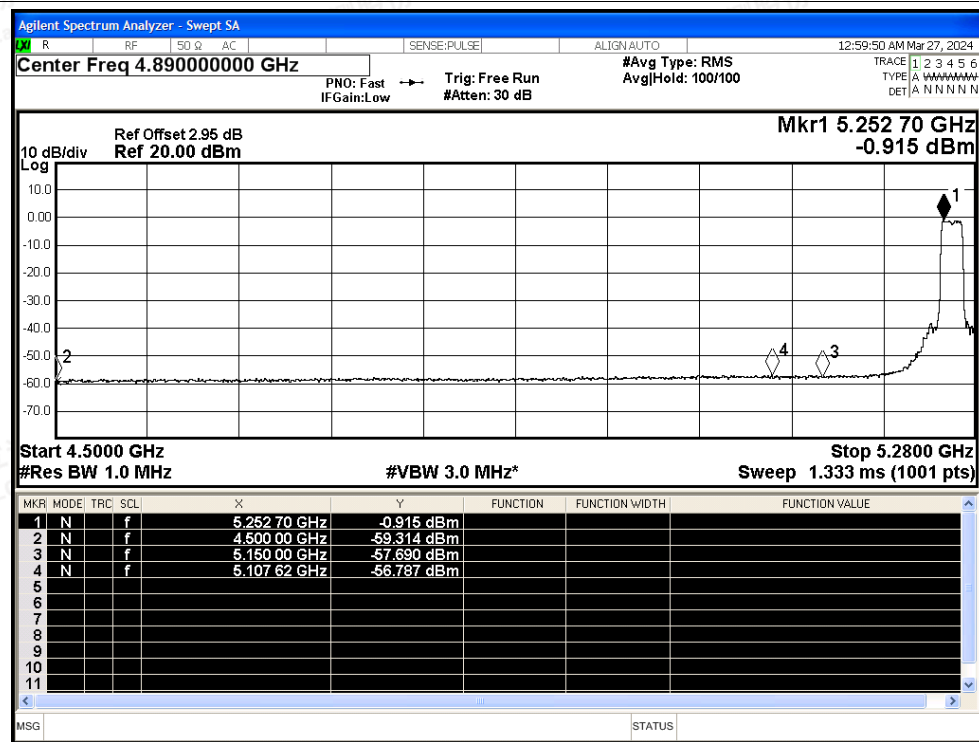




Restrict Band NVNT n20 5260MHz Ant1 Peak

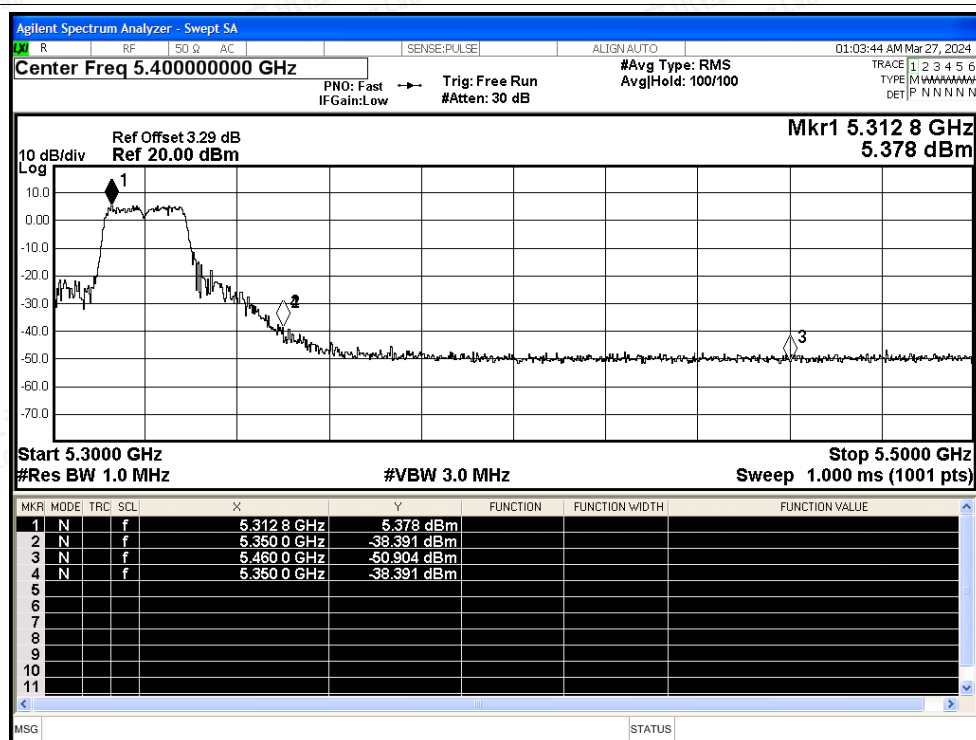


Restrict Band NVNT n20 5260MHz Ant1 Average

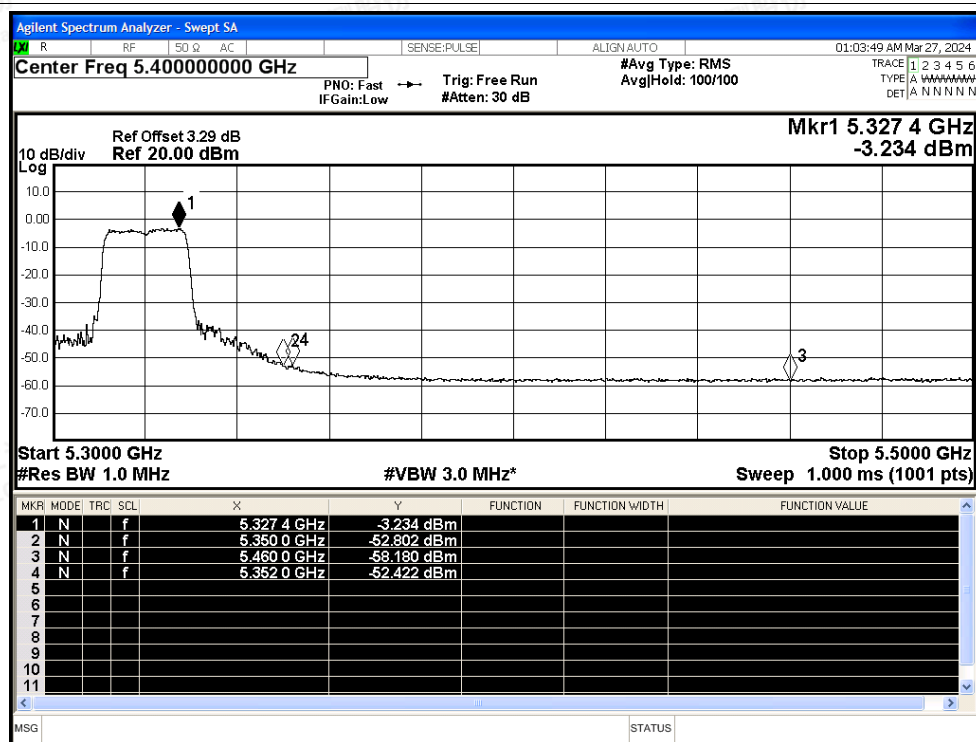




Restrict Band NVNT n20 5320MHz Ant1 Peak

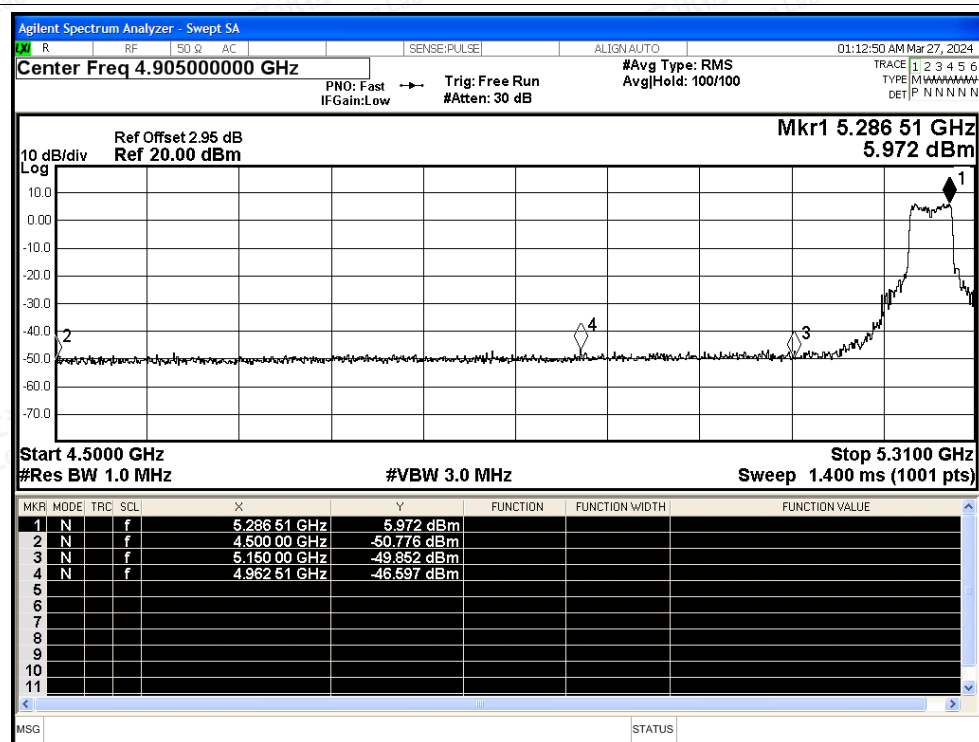


Restrict Band NVNT n20 5320MHz Ant1 Average

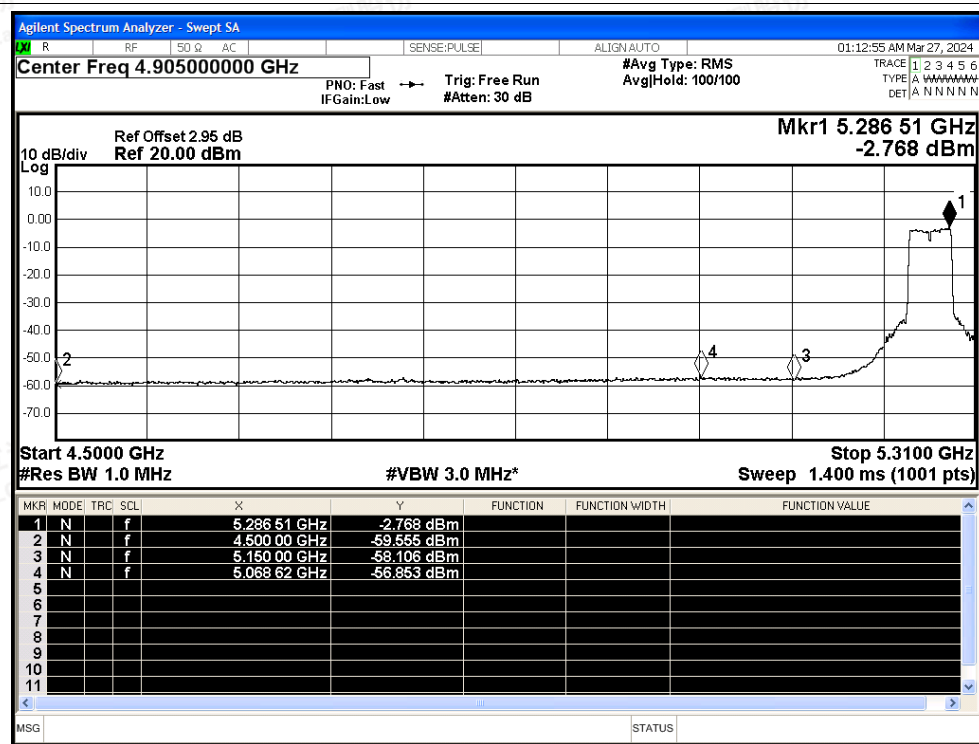




Restrict Band NVNT n40 5270MHz Ant1 Peak

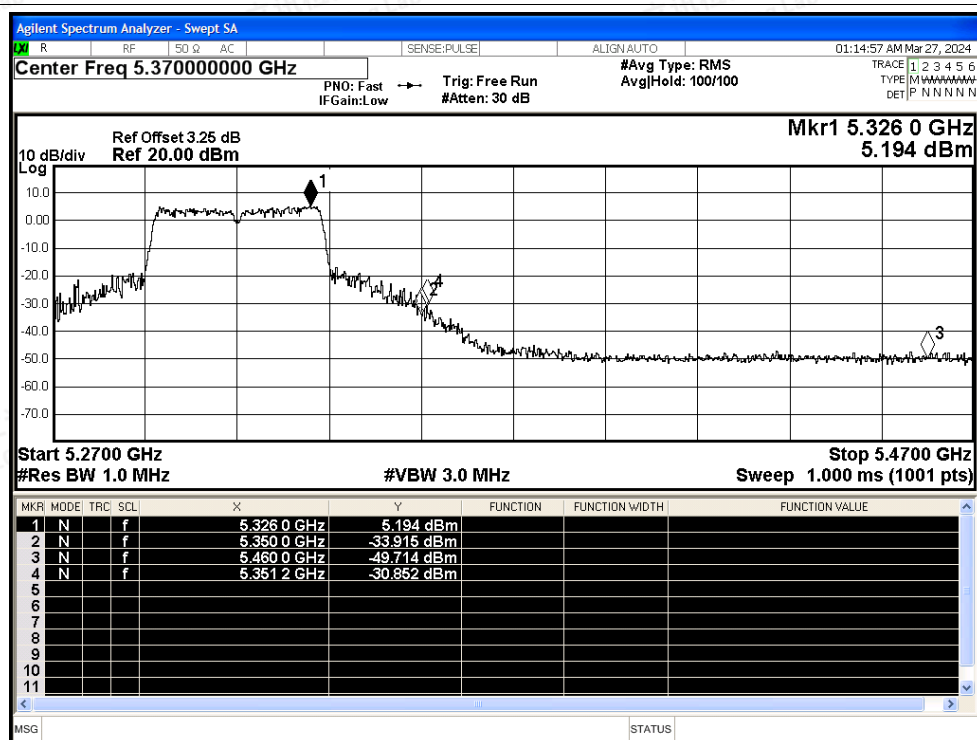


Restrict Band NVNT n40 5270MHz Ant1 Average

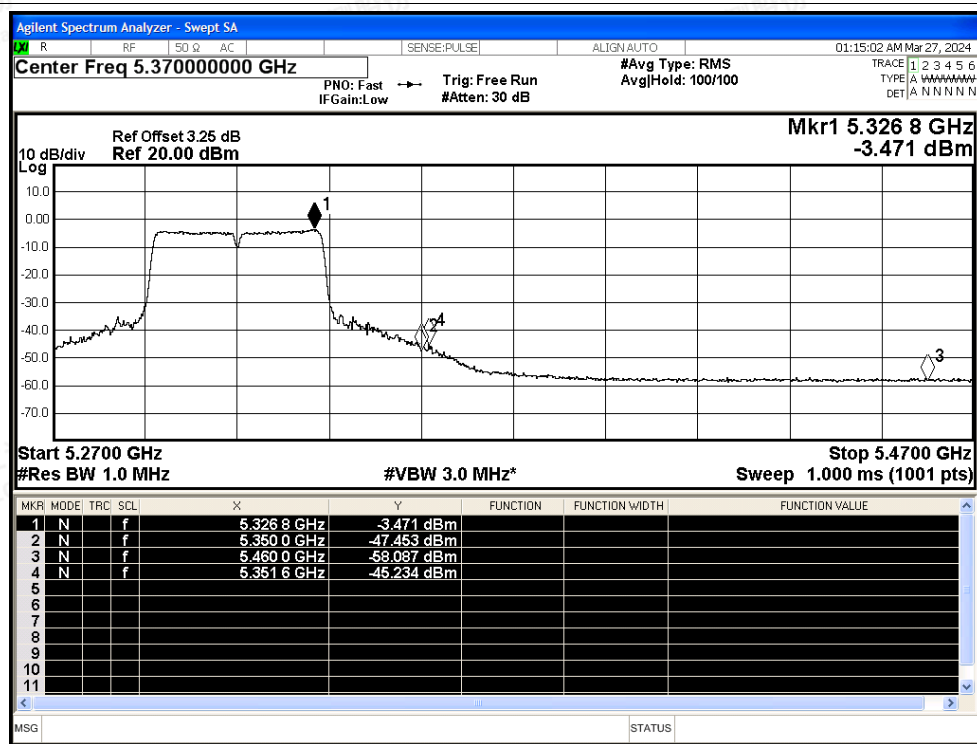




Restrict Band NVNT n40 5310MHz Ant1 Peak



Restrict Band NVNT n40 5310MHz Ant1 Average



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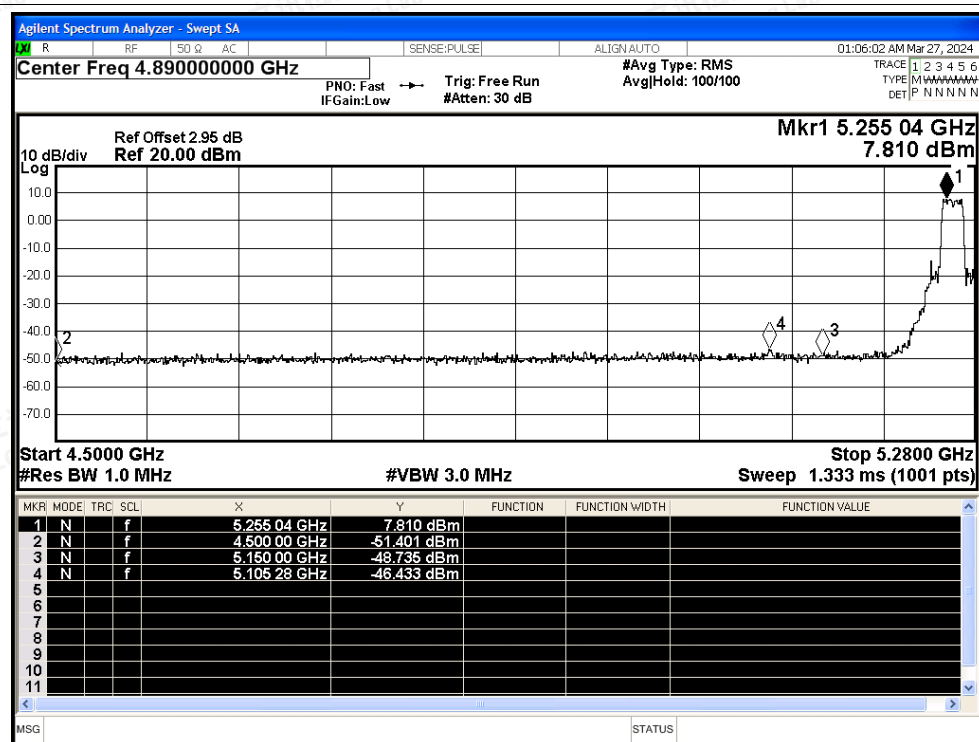
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

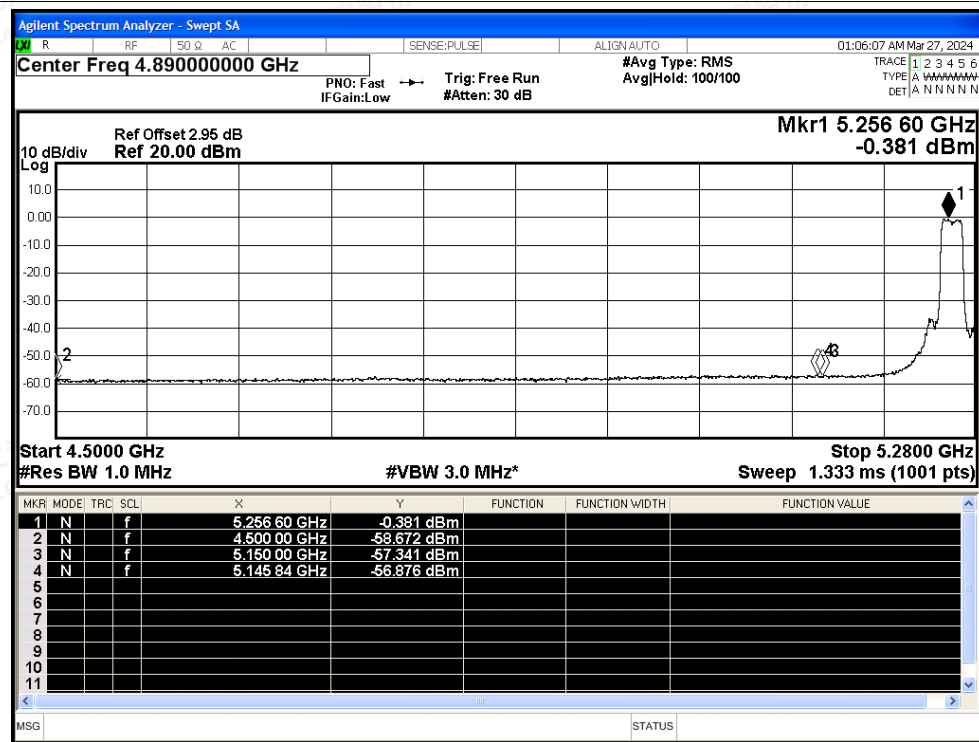
Scan code to check authenticity



Restrict Band NVNT ac20 5260MHz Ant1 Peak

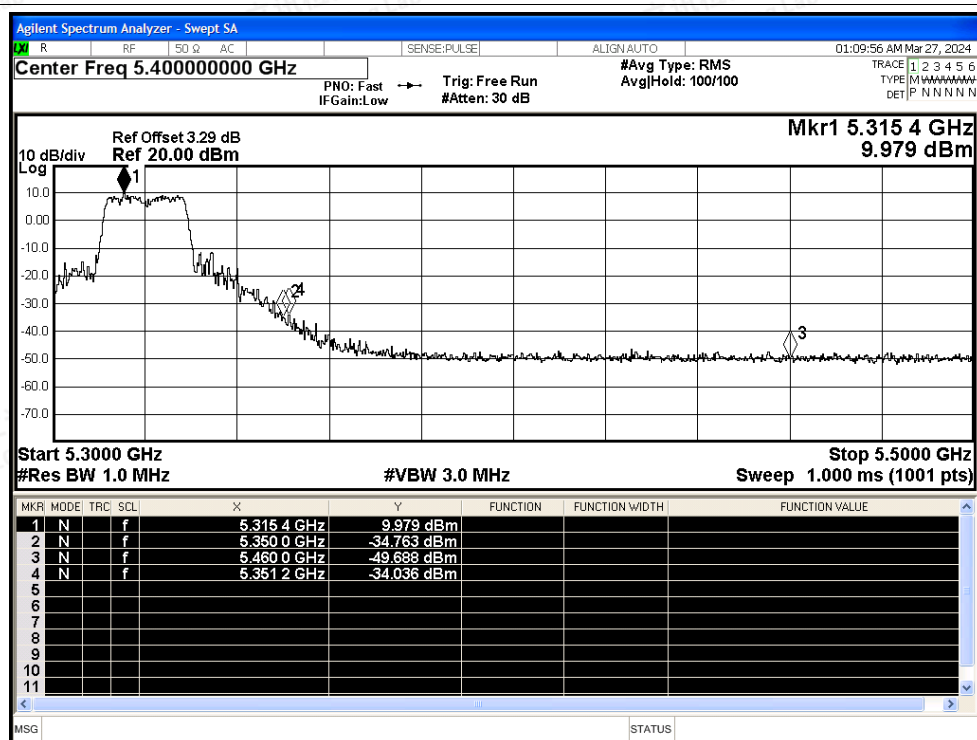


Restrict Band NVNT ac20 5260MHz Ant1 Average

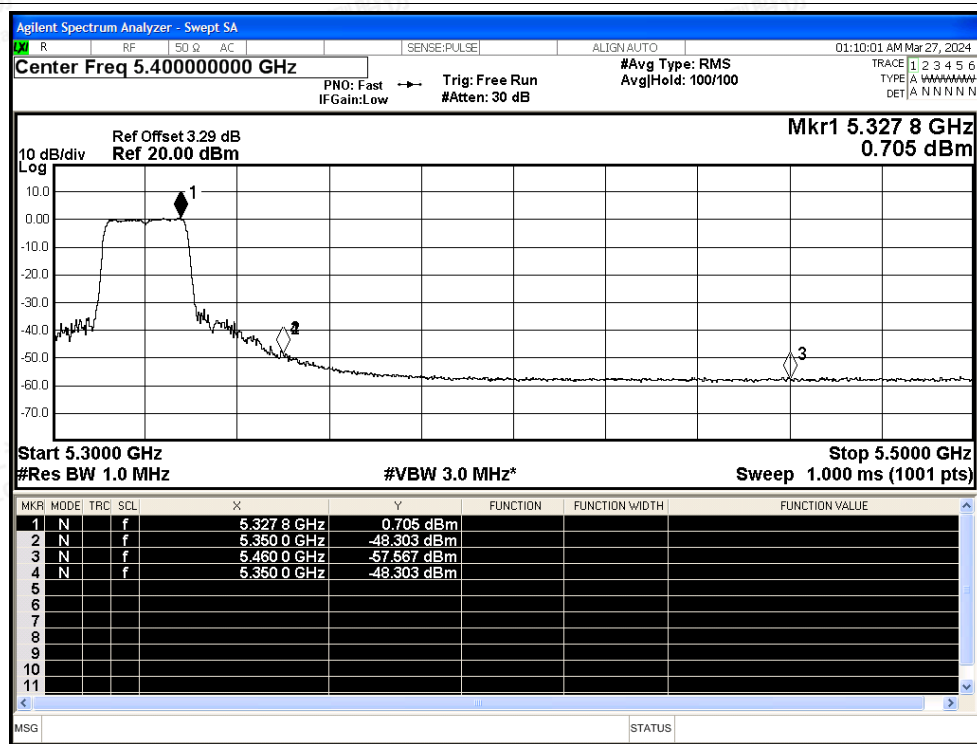




Restrict Band NVNT ac20 5320MHz Ant1 Peak

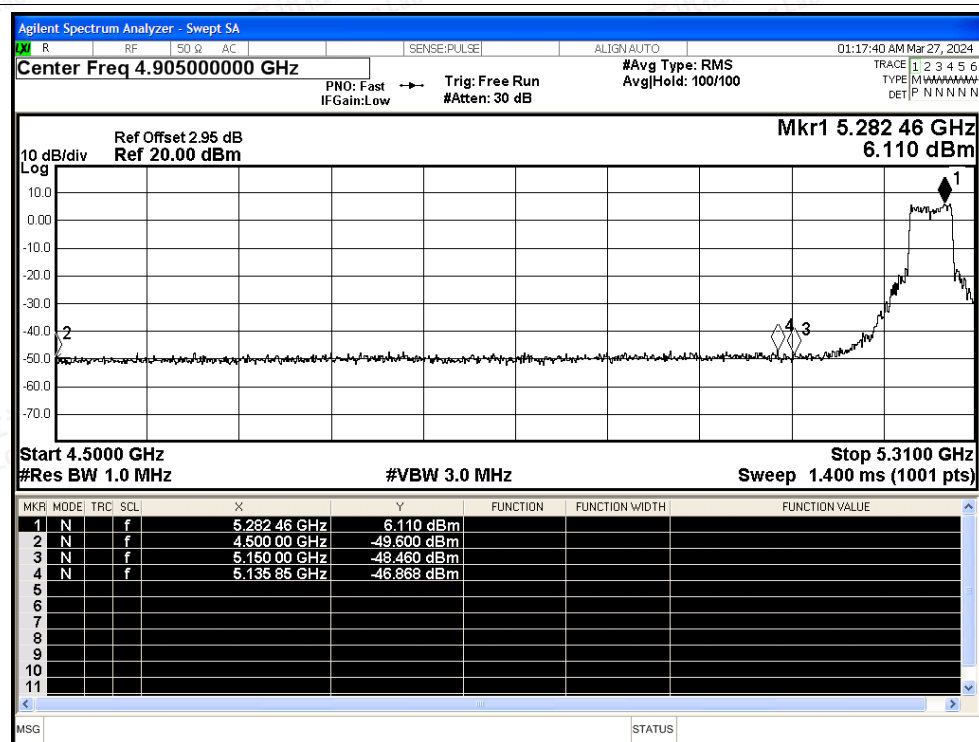


Restrict Band NVNT ac20 5320MHz Ant1 Average

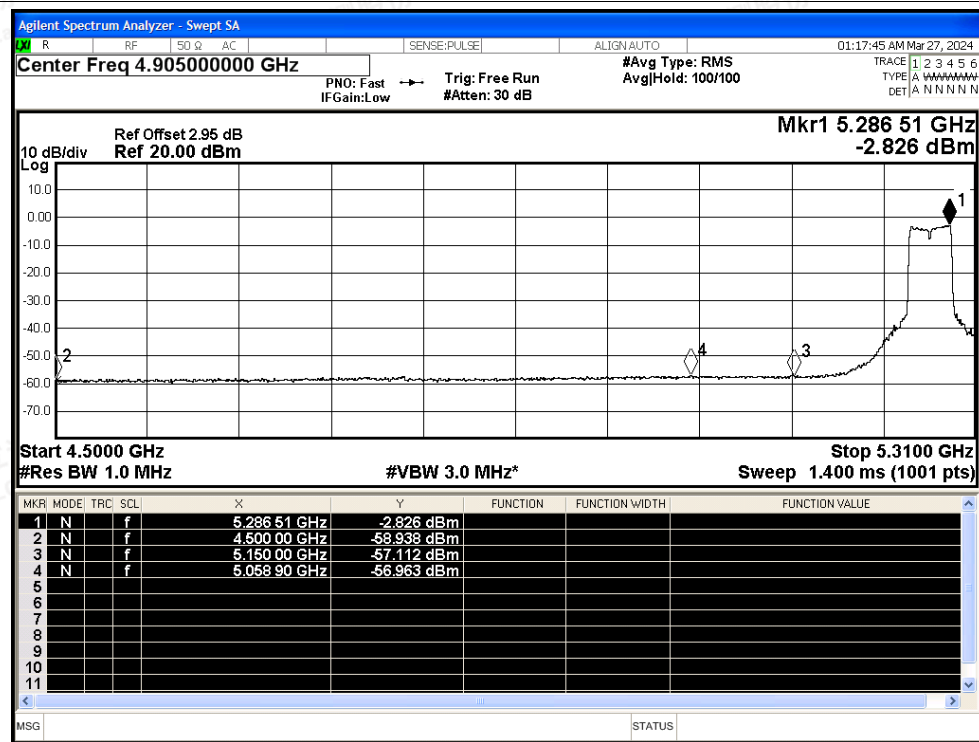




Restrict Band NVNT ac40 5270MHz Ant1 Peak

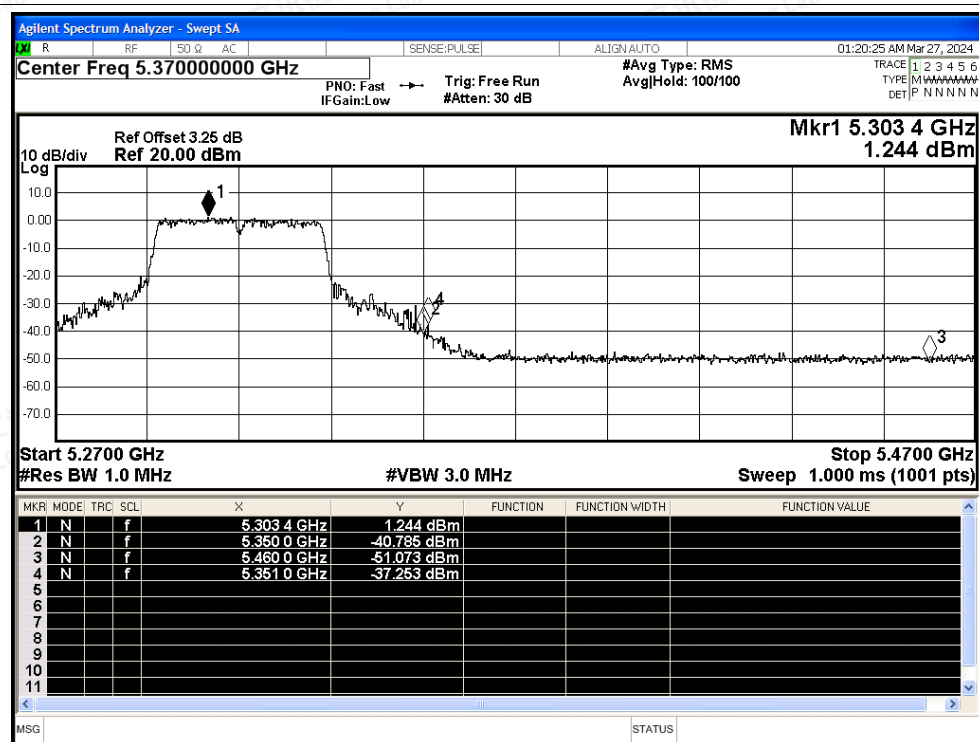


Restrict Band NVNT ac40 5270MHz Ant1 Average

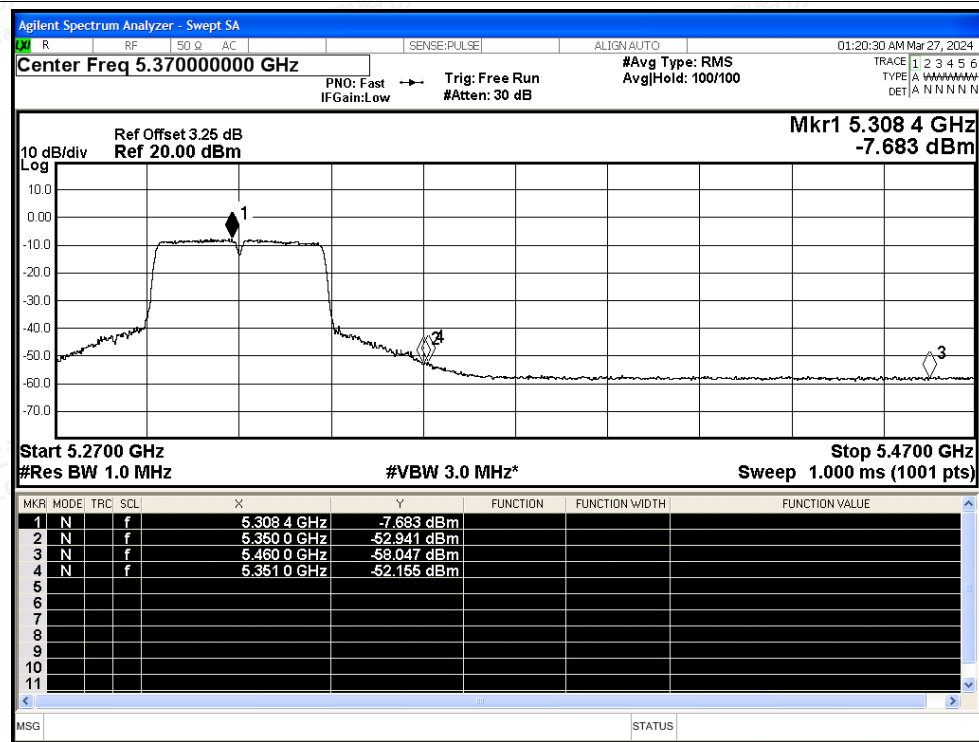




Restrict Band NVNT ac40 5310MHz Ant1 Peak

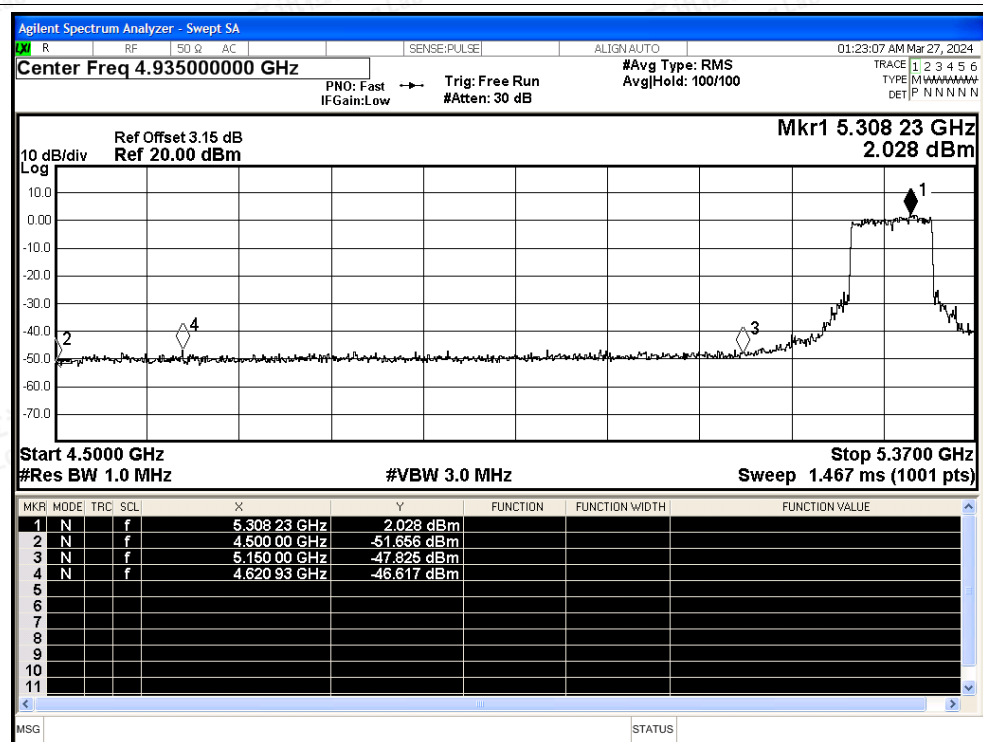


Restrict Band NVNT ac40 5310MHz Ant1 Average

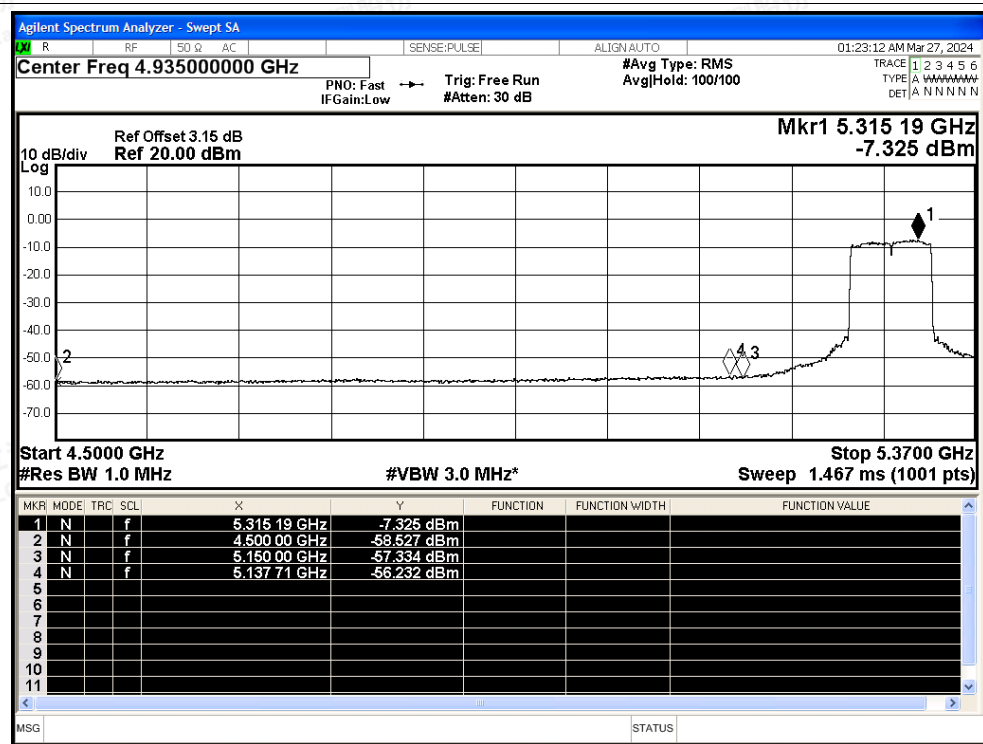




Restrict Band NVNT ac80 5290MHz Ant1 Peak

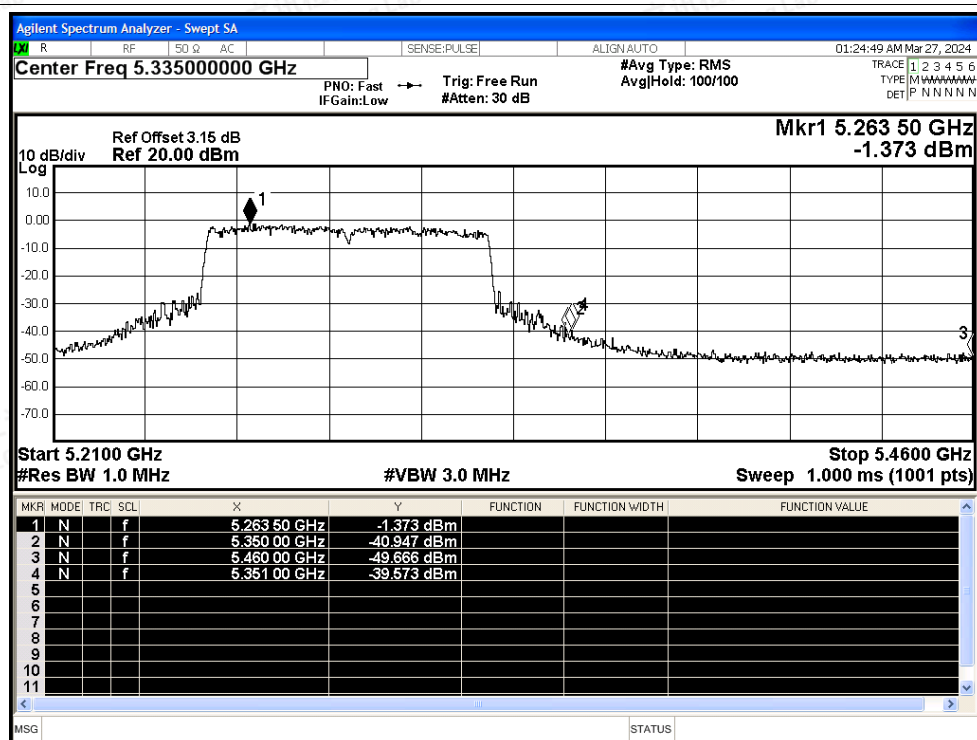


Restrict Band NVNT ac80 5290MHz Ant1 Average

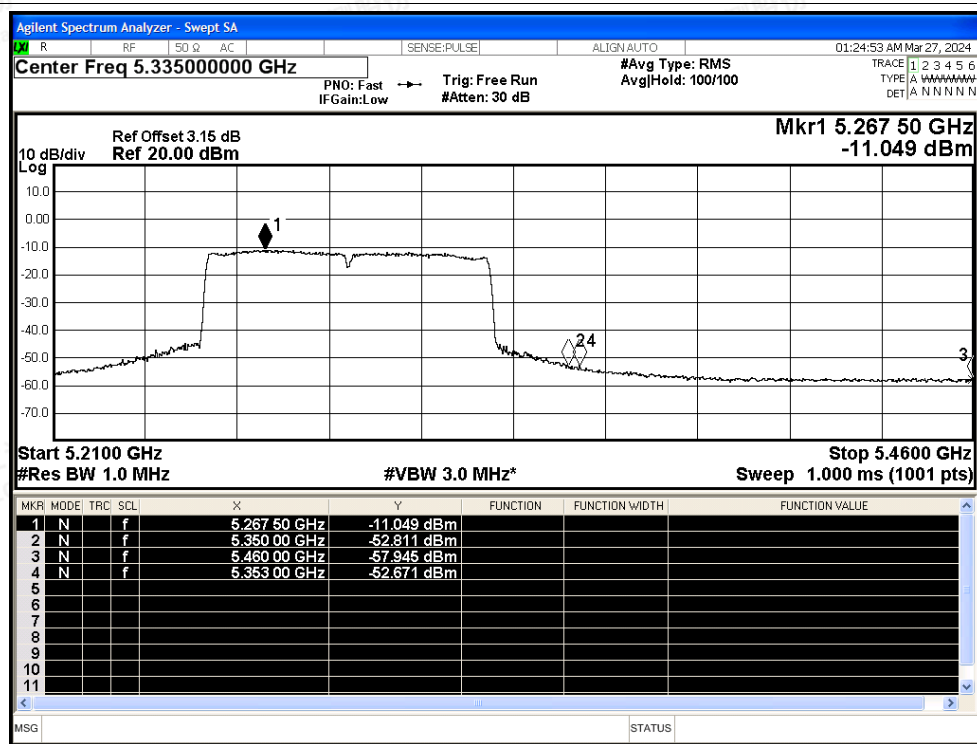




Restrict Band NVNT ac80 5290MHz Ant1 Peak



Restrict Band NVNT ac80 5290MHz Ant1 Average





E.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
NVNT	ac20	5300	Ant1	5299.98	-20000	-3.77	25	Pass
NVNT	ac20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
NVNT	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
NVNT	ac40	5310	Ant1	5310	0	0	25	Pass
NVNT	ac80	5290	Ant1	5290	0	0	25	Pass

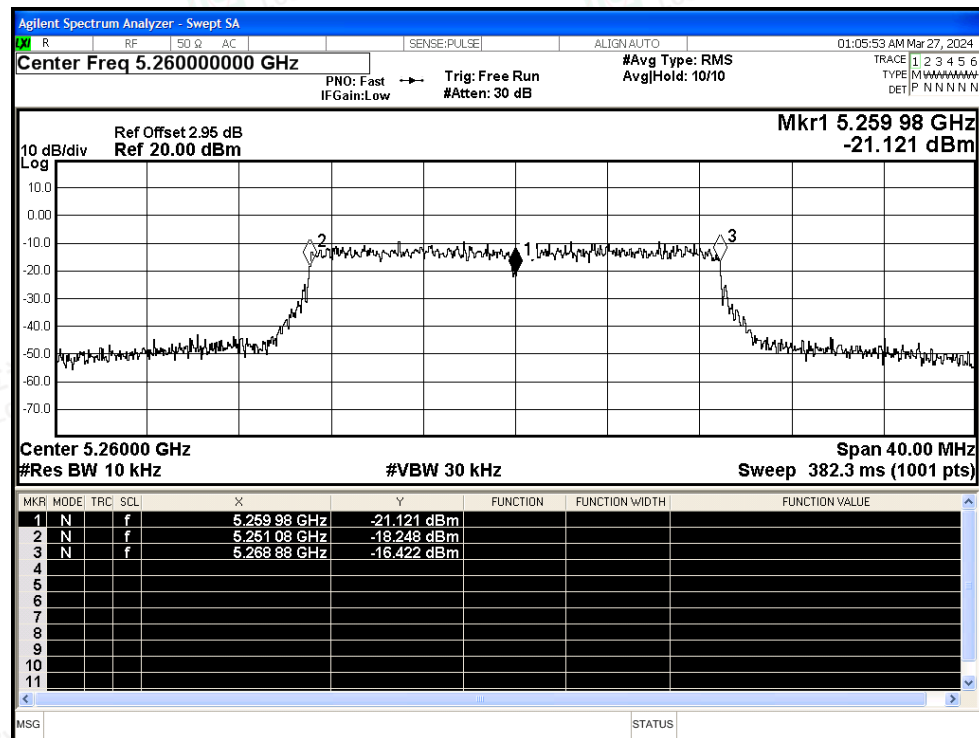


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Scan code to check authenticity

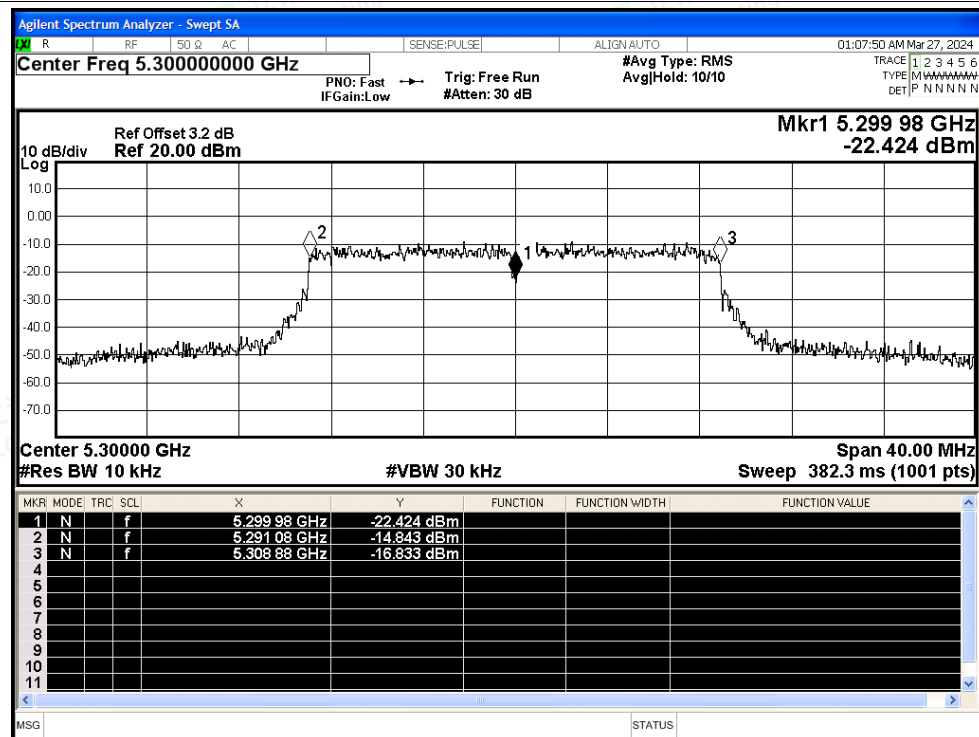


Test Graphs

Freq. Stability NVNT ac20 5260MHz Ant1

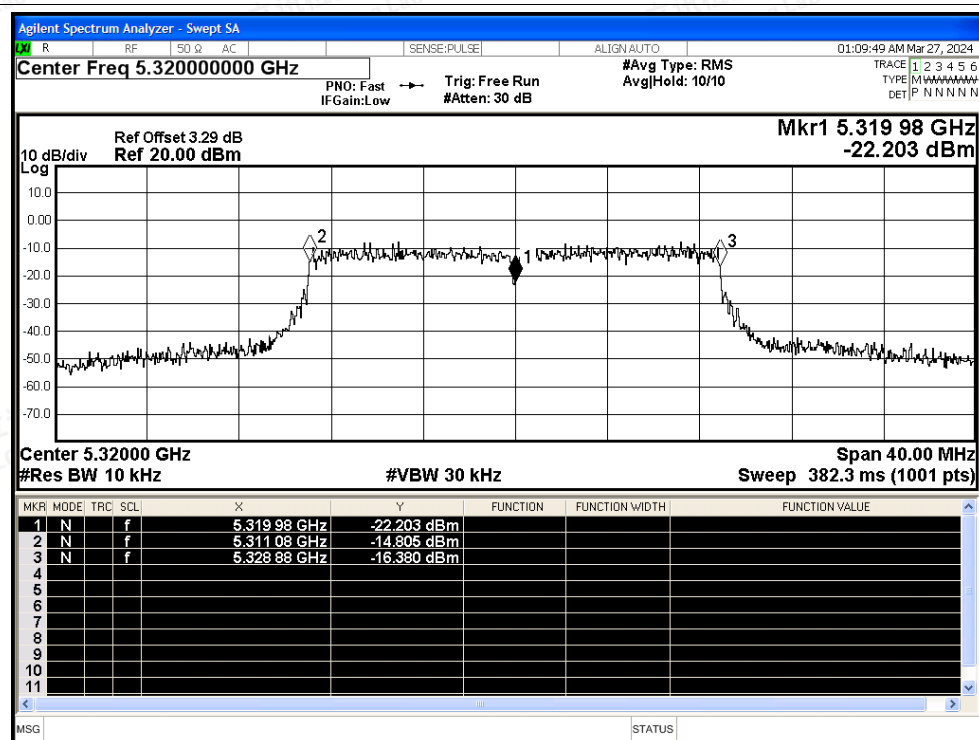


Freq. Stability NVNT ac20 5300MHz Ant1

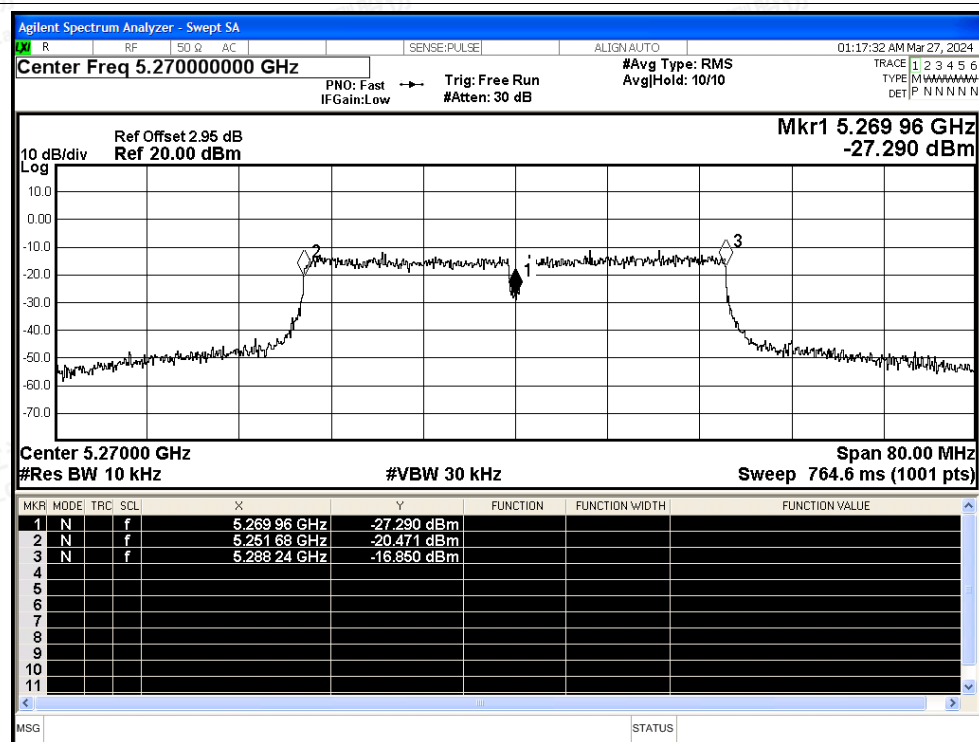




Freq. Stability NVNT ac20 5320MHz Ant1

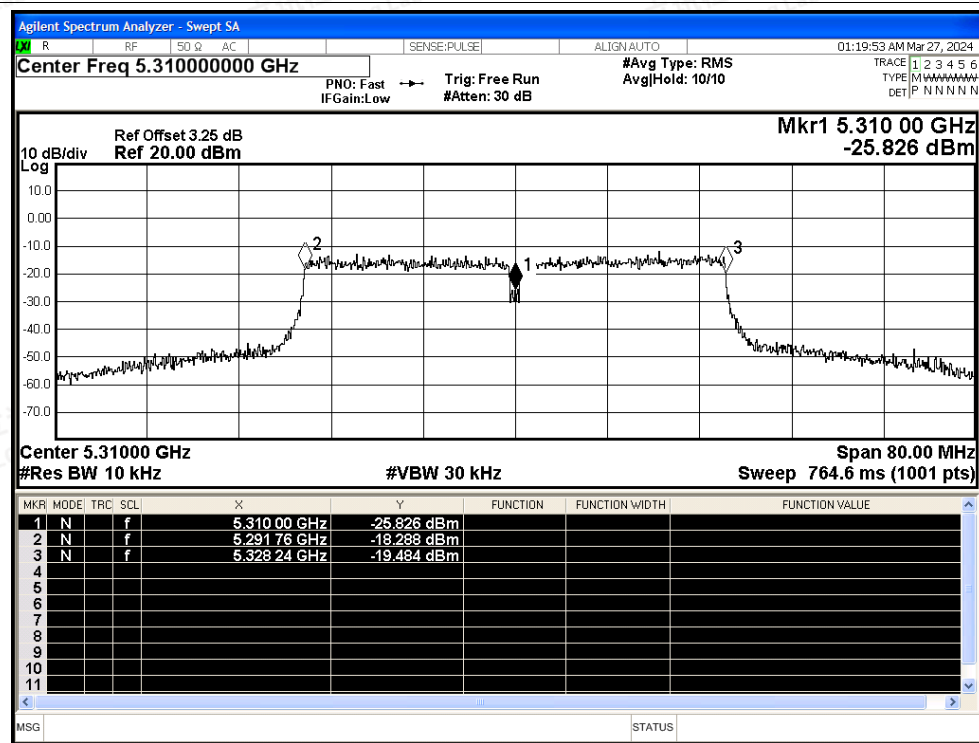


Freq. Stability NVNT ac40 5270MHz Ant1

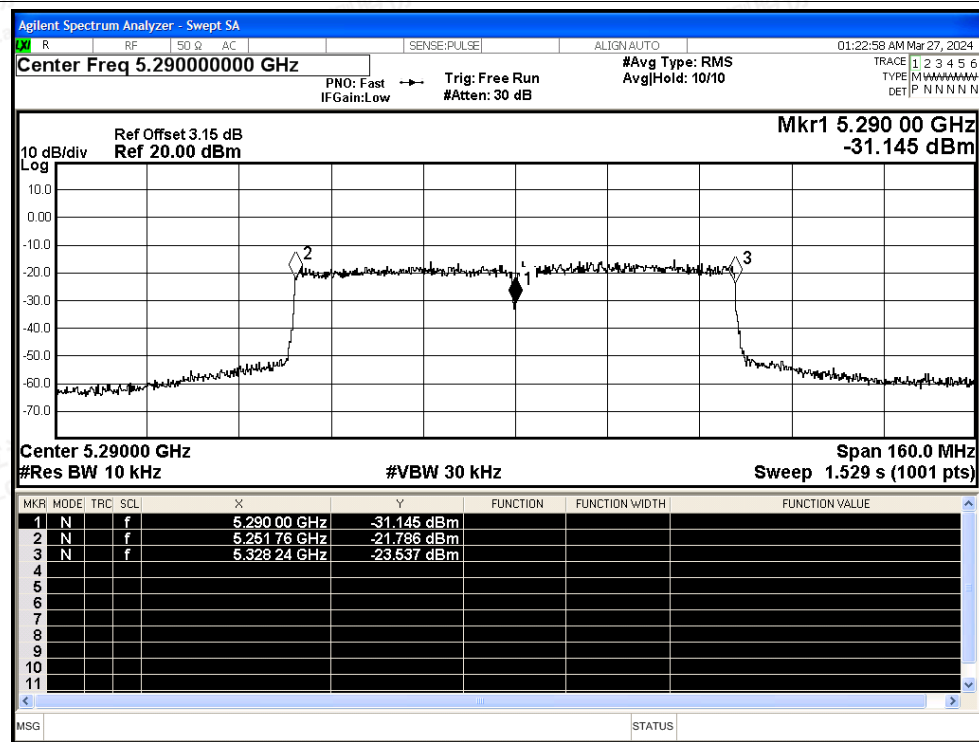




Freq. Stability NVNT ac40 5310MHz Ant1



Freq. Stability NVNT ac80 5290MHz Ant1





E.6 Duty Cycle

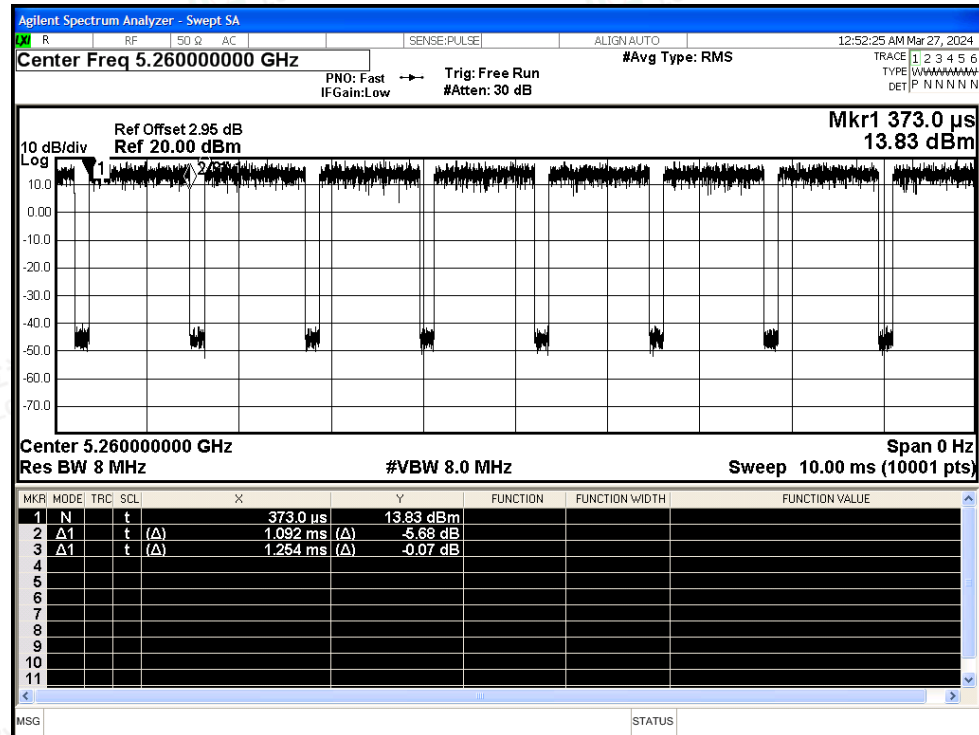
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	87.08	0.6	0.92
NVNT	a	5300	Ant1	87.08	0.6	0.92
NVNT	a	5320	Ant1	85.25	0.69	0.92
NVNT	n20	5260	Ant1	85.9	0.66	1.08
NVNT	n20	5300	Ant1	85.1	0.7	1.08
NVNT	n20	5320	Ant1	85.81	0.66	1.08
NVNT	n40	5270	Ant1	82.4	0.84	0.61
NVNT	n40	5310	Ant1	82.35	0.84	0.61
NVNT	ac20	5260	Ant1	85.34	0.69	1.07
NVNT	ac20	5300	Ant1	85.34	0.69	1.07
NVNT	ac20	5320	Ant1	85.95	0.66	1.07
NVNT	ac40	5270	Ant1	82.46	0.84	0.61
NVNT	ac40	5310	Ant1	82.41	0.84	0.61
NVNT	ac80	5290	Ant1	69.55	1.58	1.28



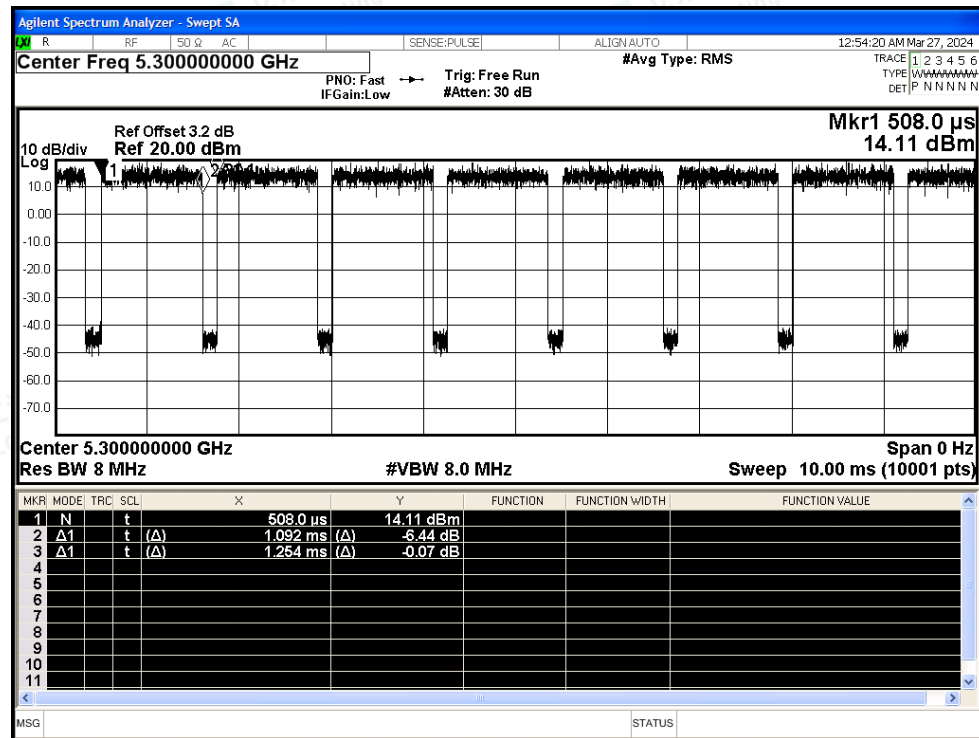


Test Graphs

Duty Cycle NVNT a 5260MHz Ant1

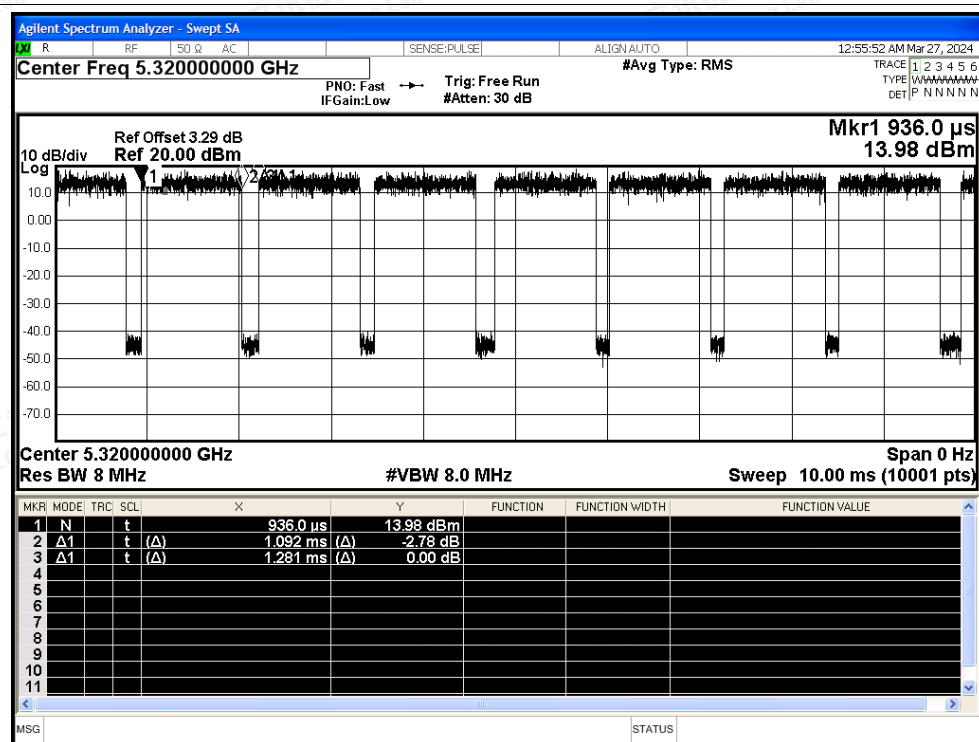


Duty Cycle NVNT a 5300MHz Ant1

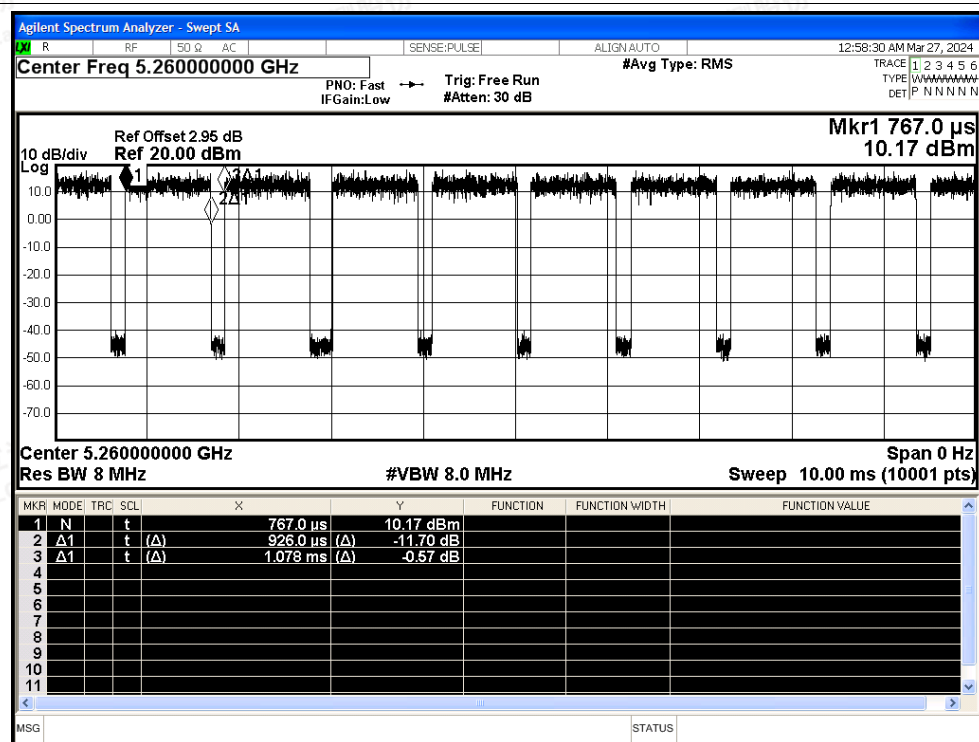




Duty Cycle NVNT a 5320MHz Ant1

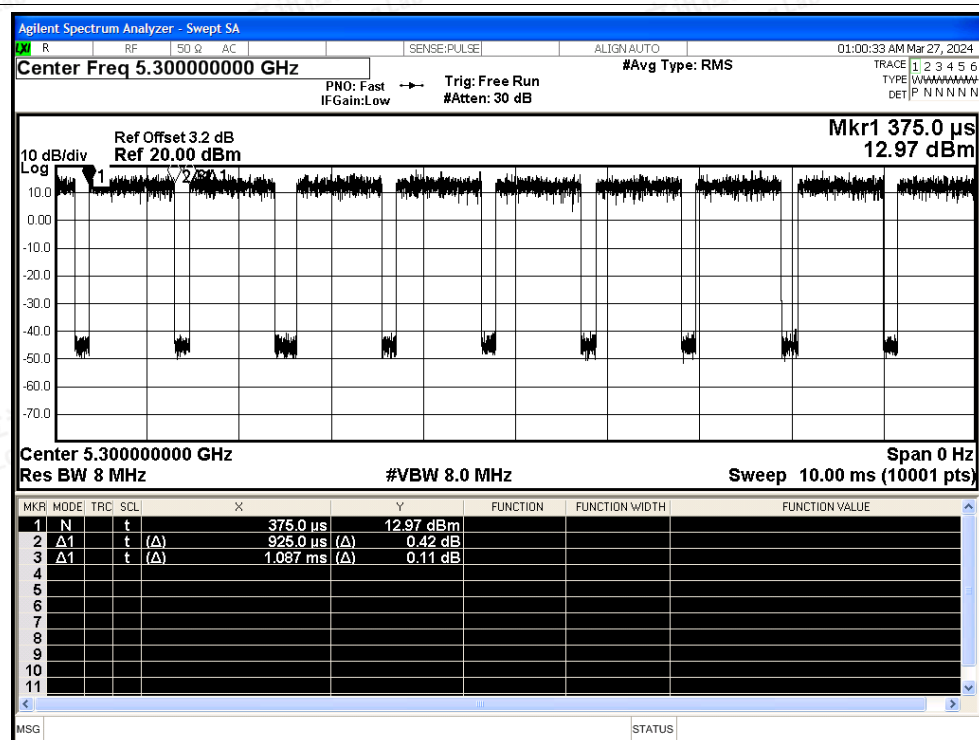


Duty Cycle NVNT n20 5260MHz Ant1

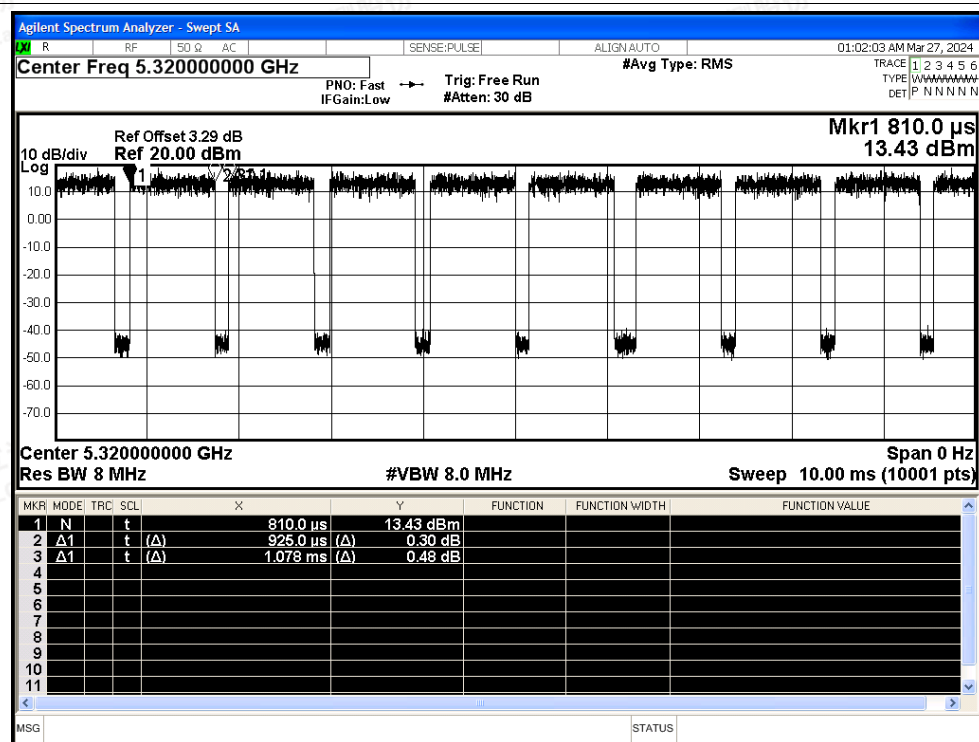




Duty Cycle NVNT n20 5300MHz Ant1

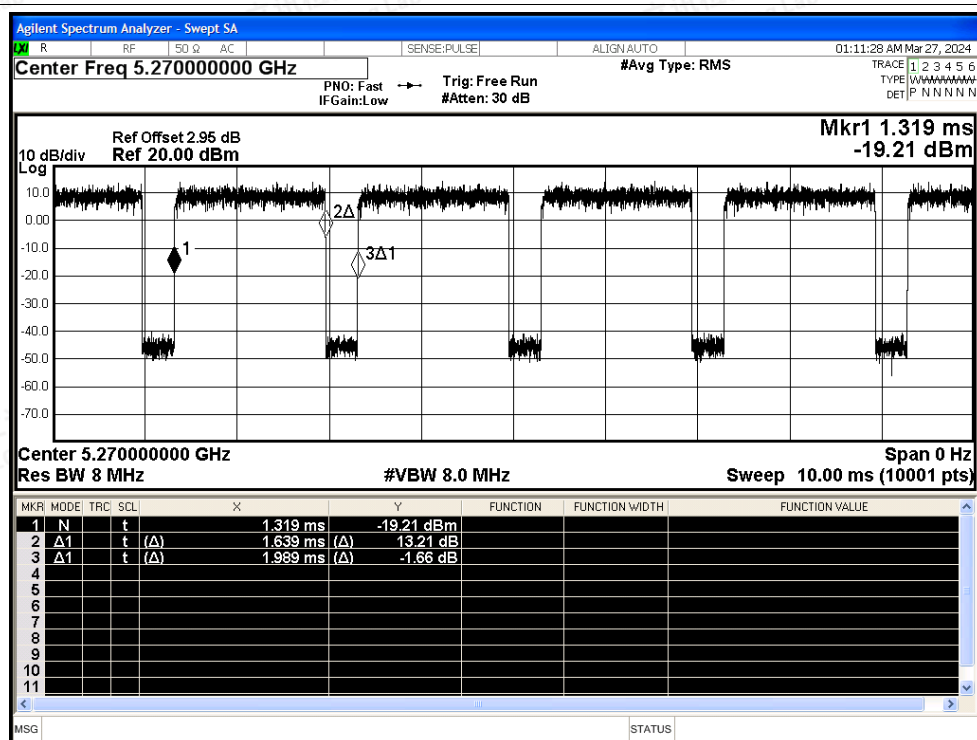


Duty Cycle NVNT n20 5320MHz Ant1

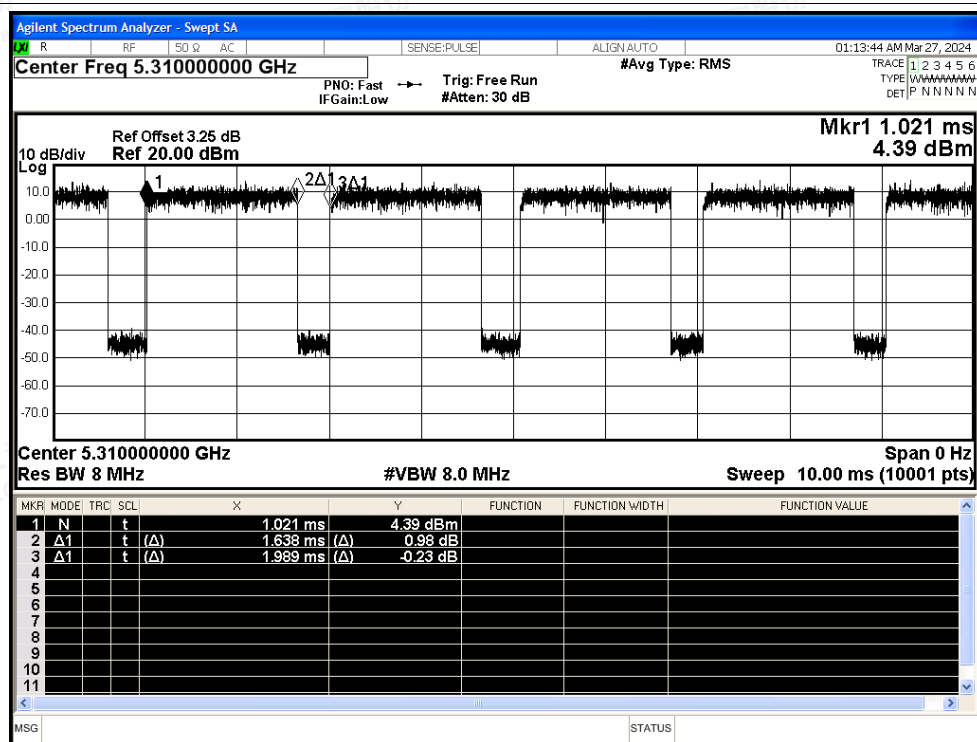




Duty Cycle NVNT n40 5270MHz Ant1

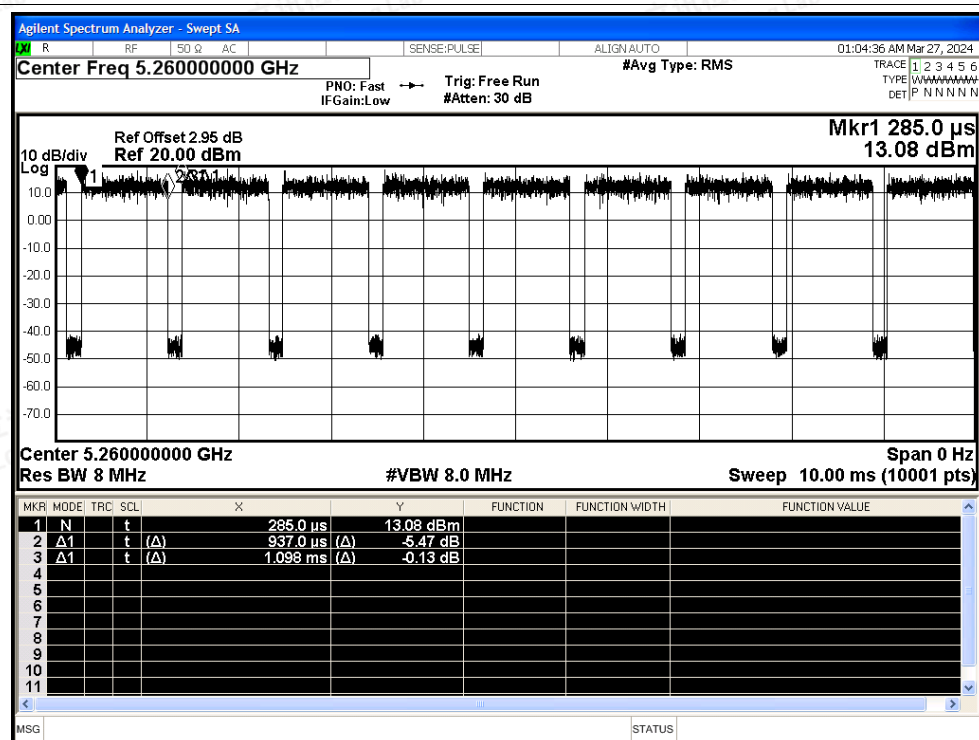


Duty Cycle NVNT n40 5310MHz Ant1

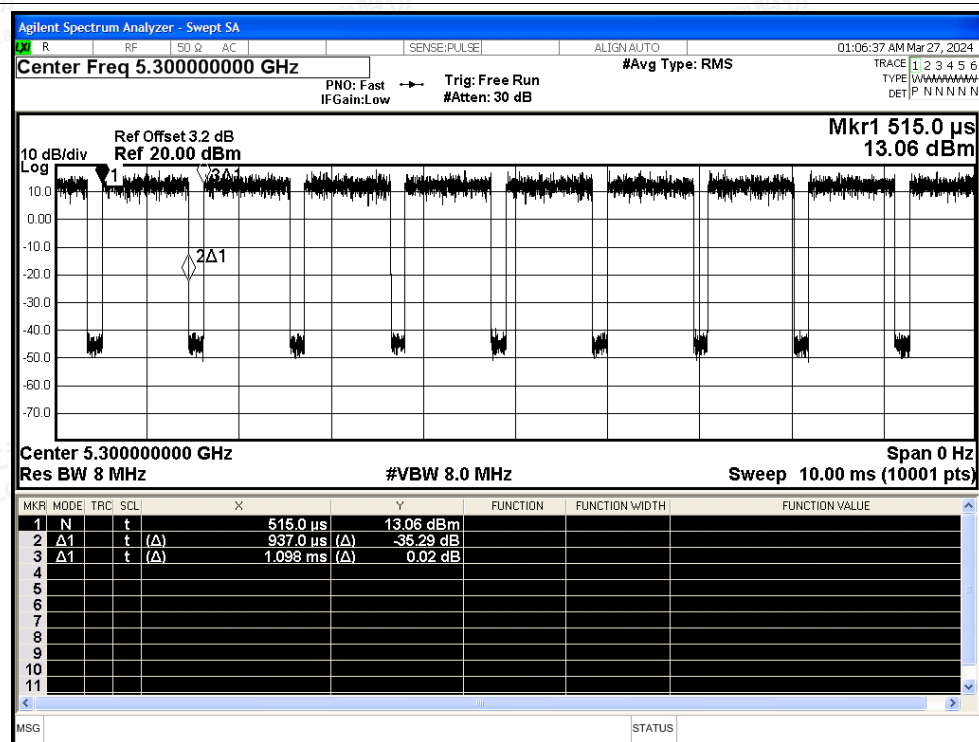




Duty Cycle NVNT ac20 5260MHz Ant1

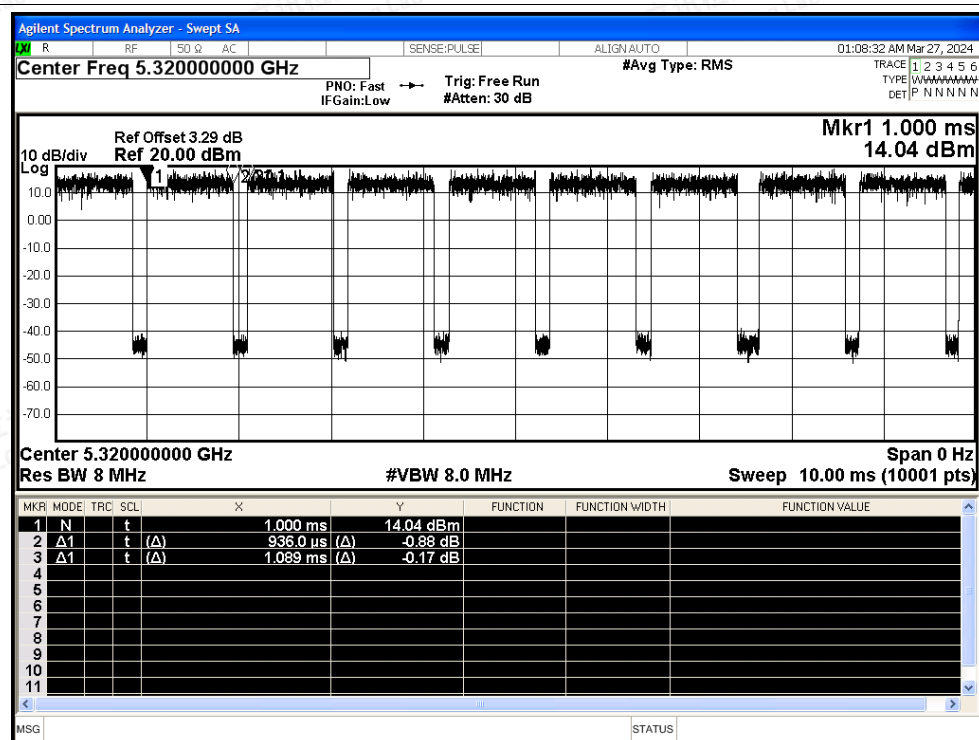


Duty Cycle NVNT ac20 5300MHz Ant1

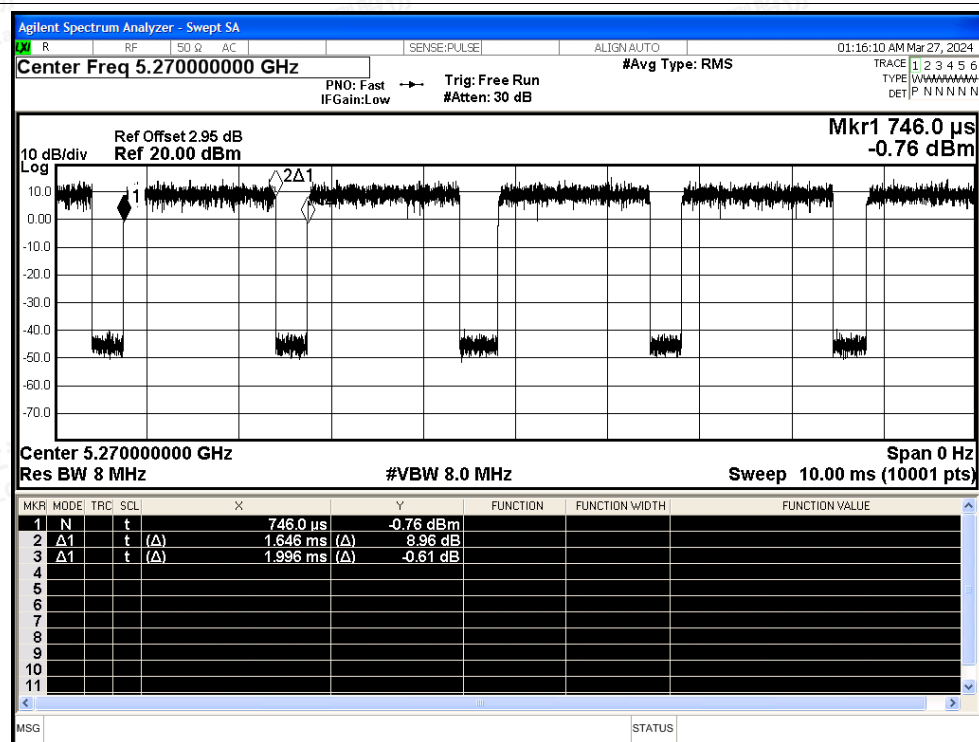




Duty Cycle NVNT ac20 5320MHz Ant1

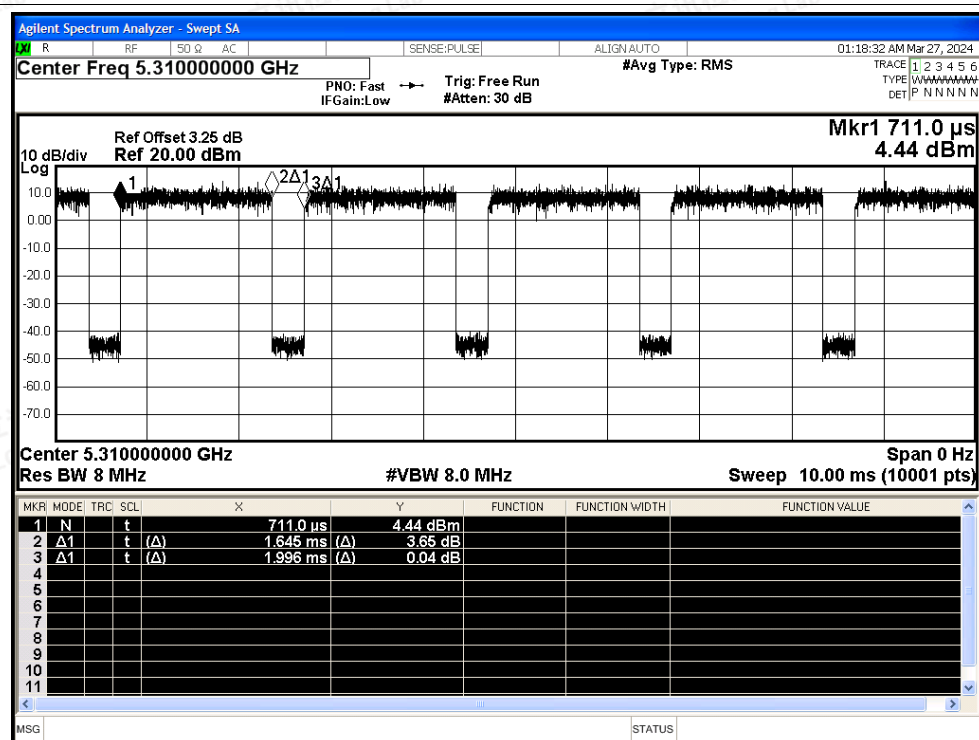


Duty Cycle NVNT ac40 5270MHz Ant1





Duty Cycle NVNT ac40 5310MHz Ant1



Duty Cycle NVNT ac80 5290MHz Ant1

