



Appendix E

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: IP Phone

Test Model: UCV50

Environmental Conditions

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



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E.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant0	19.899	Pass
NVNT	a	5300	Ant0	19.89	Pass
NVNT	a	5320	Ant0	20.003	Pass
NVNT	n20	5260	Ant0	20.384	Pass
NVNT	n20	5300	Ant0	20.267	Pass
NVNT	n20	5320	Ant0	20.157	Pass
NVNT	n40	5270	Ant0	39.778	Pass
NVNT	n40	5310	Ant0	39.779	Pass
NVNT	ac20	5260	Ant0	20.294	Pass
NVNT	ac20	5300	Ant0	20.314	Pass
NVNT	ac20	5320	Ant0	20.192	Pass
NVNT	ac40	5270	Ant0	39.475	Pass
NVNT	ac40	5310	Ant0	39.8	Pass
NVNT	ac80	5290	Ant0	79.966	Pass

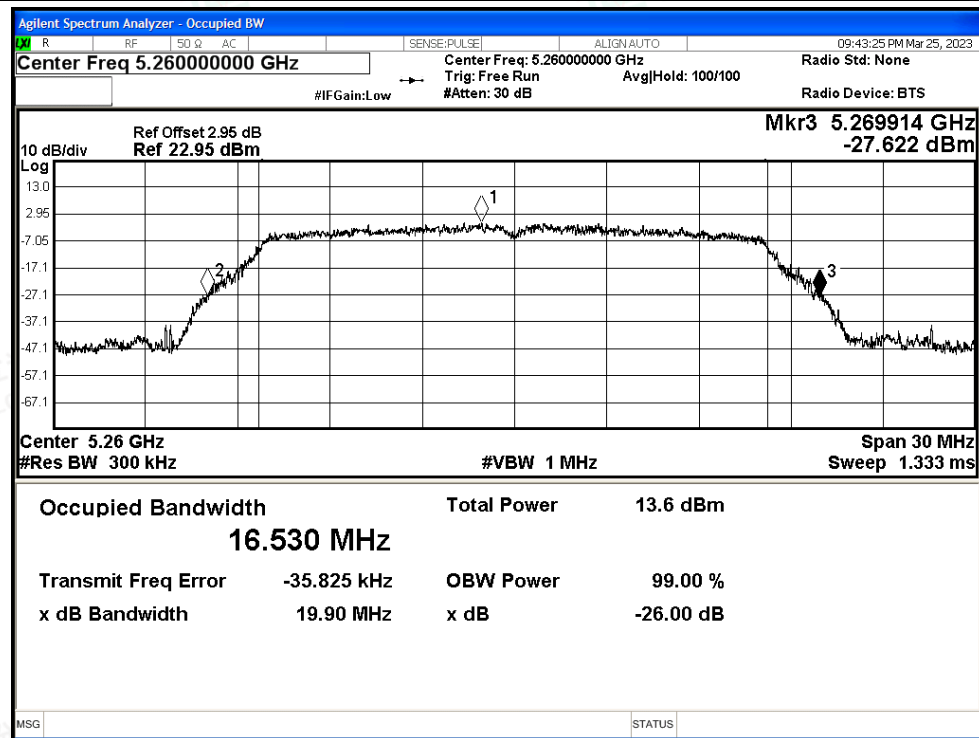


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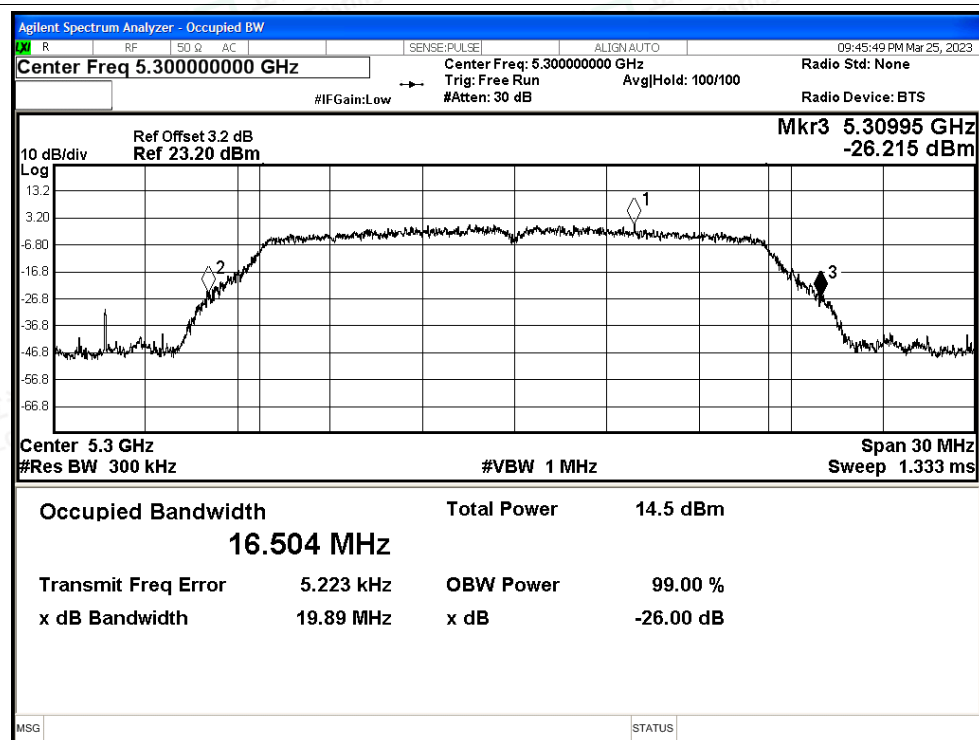


Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant0

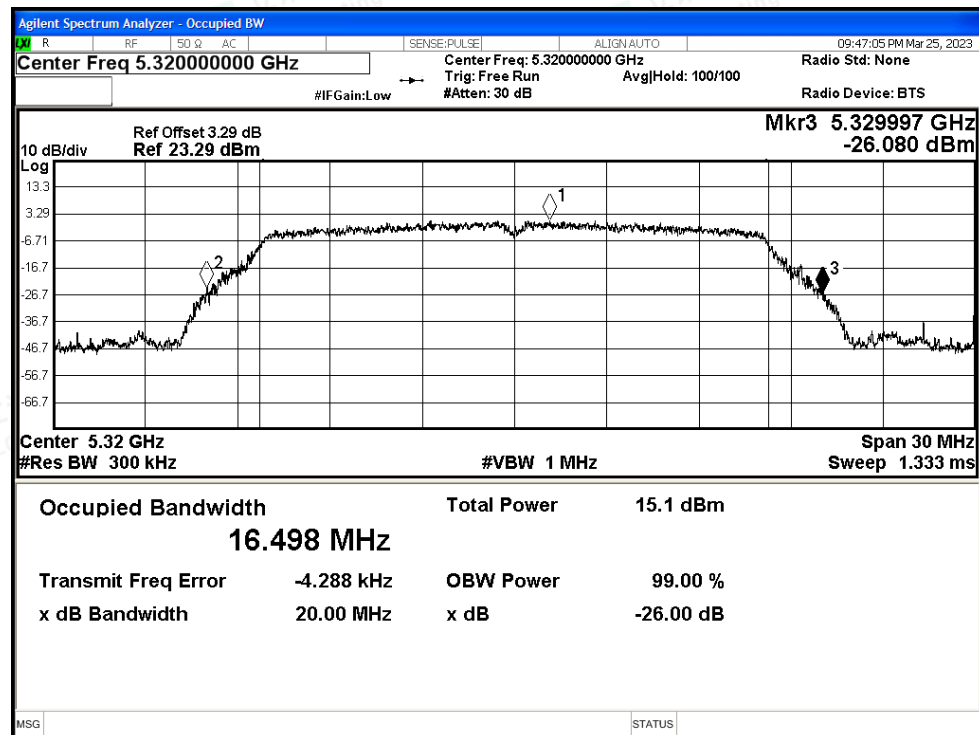


-26dB Bandwidth NVNT a 5300MHz Ant0

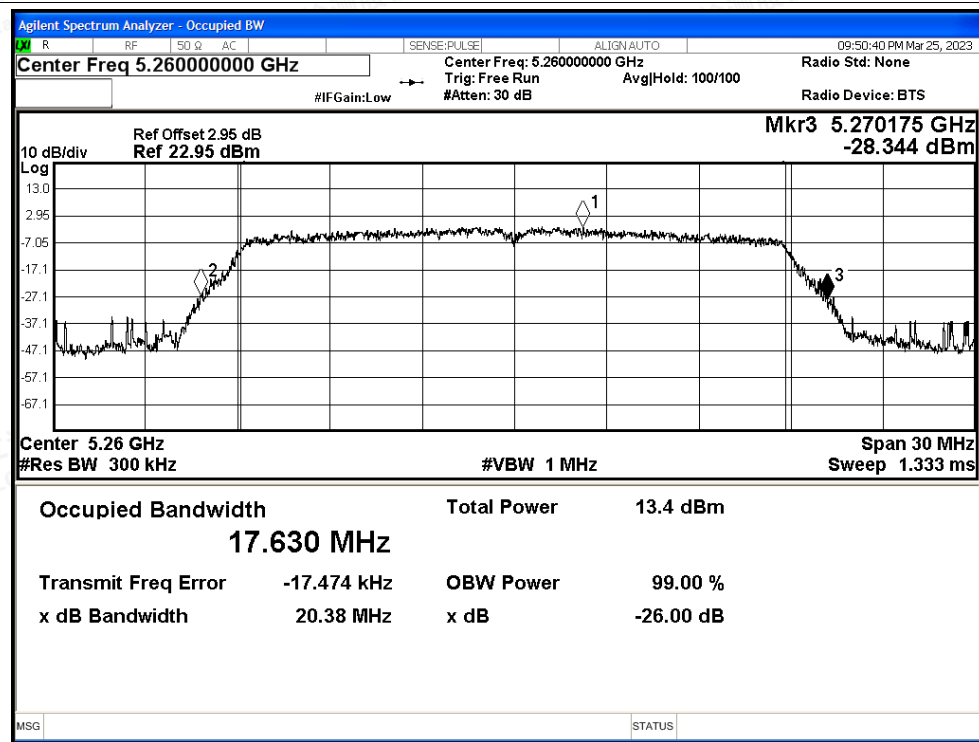




-26dB Bandwidth NVNT a 5320MHz Ant0

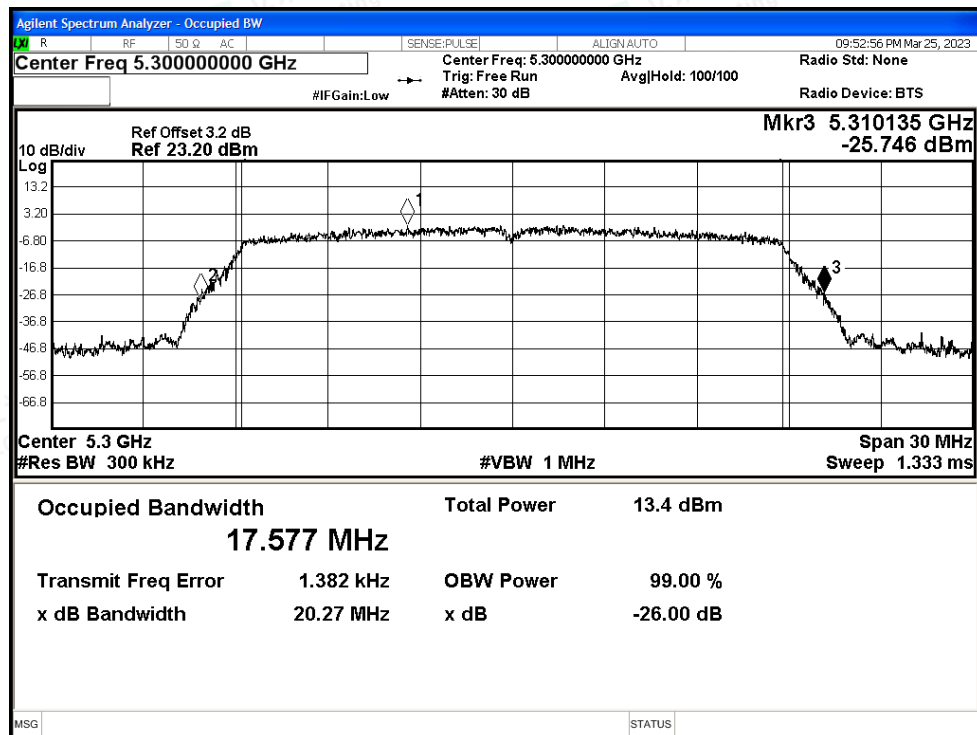


-26dB Bandwidth NVNT n20 5260MHz Ant0

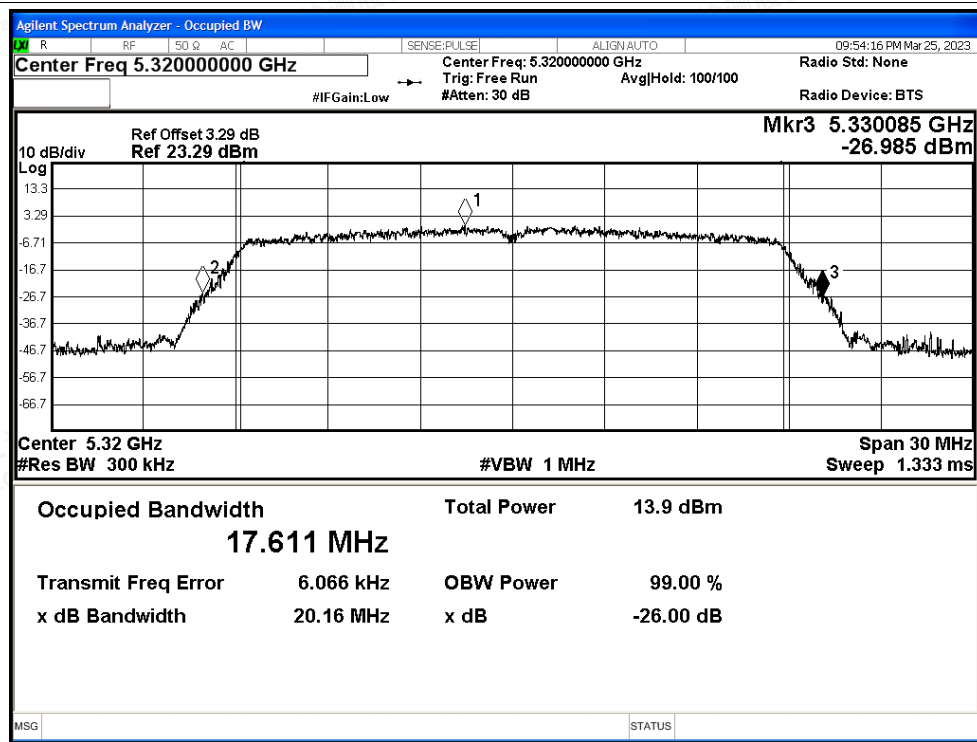




-26dB Bandwidth NVNT n20 5300MHz Ant0

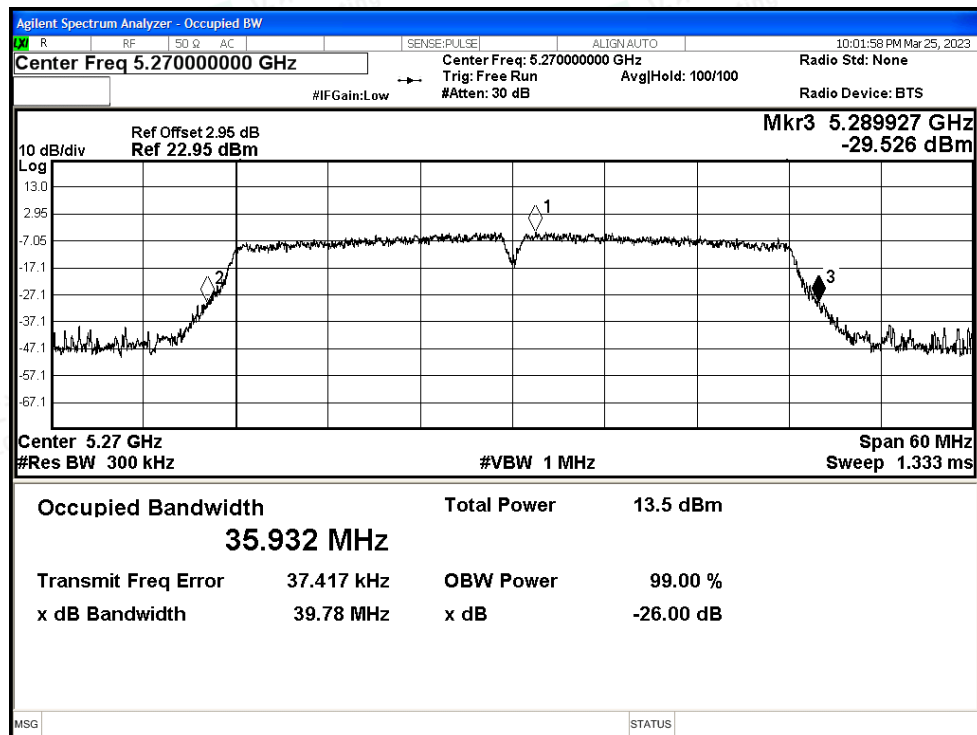


-26dB Bandwidth NVNT n20 5320MHz Ant0

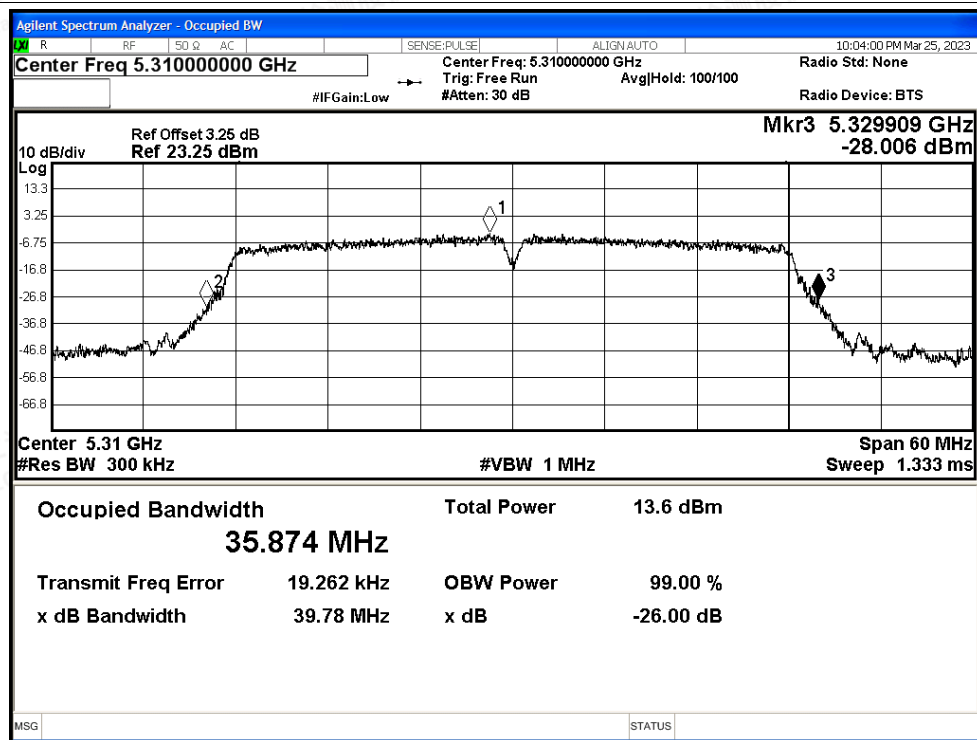




-26dB Bandwidth NVNT n40 5270MHz Ant0

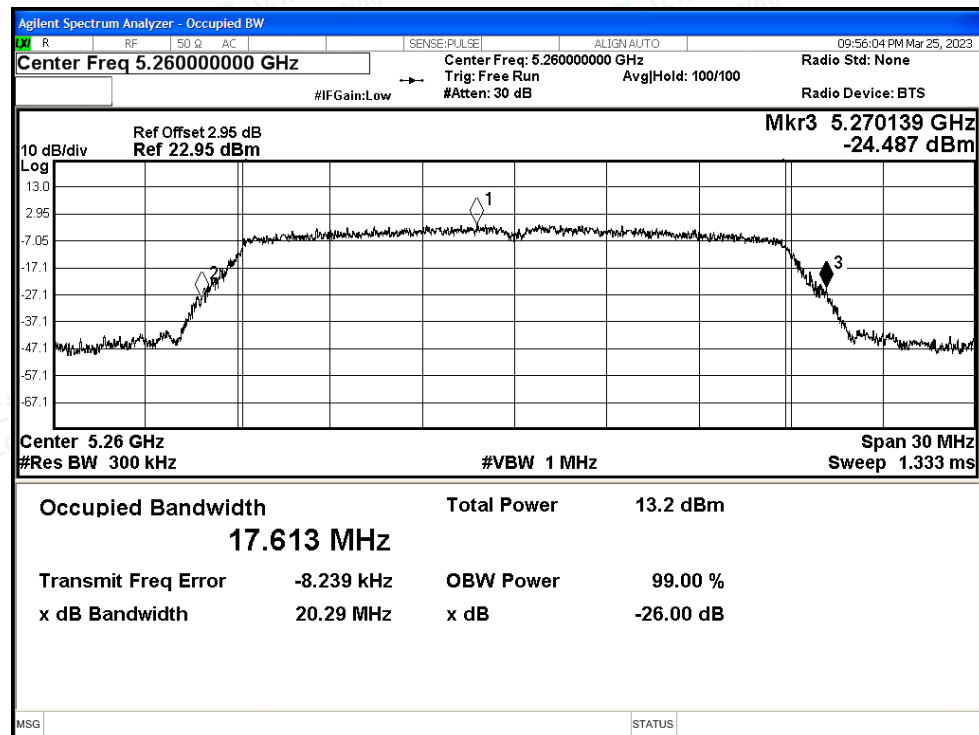


-26dB Bandwidth NVNT n40 5310MHz Ant0

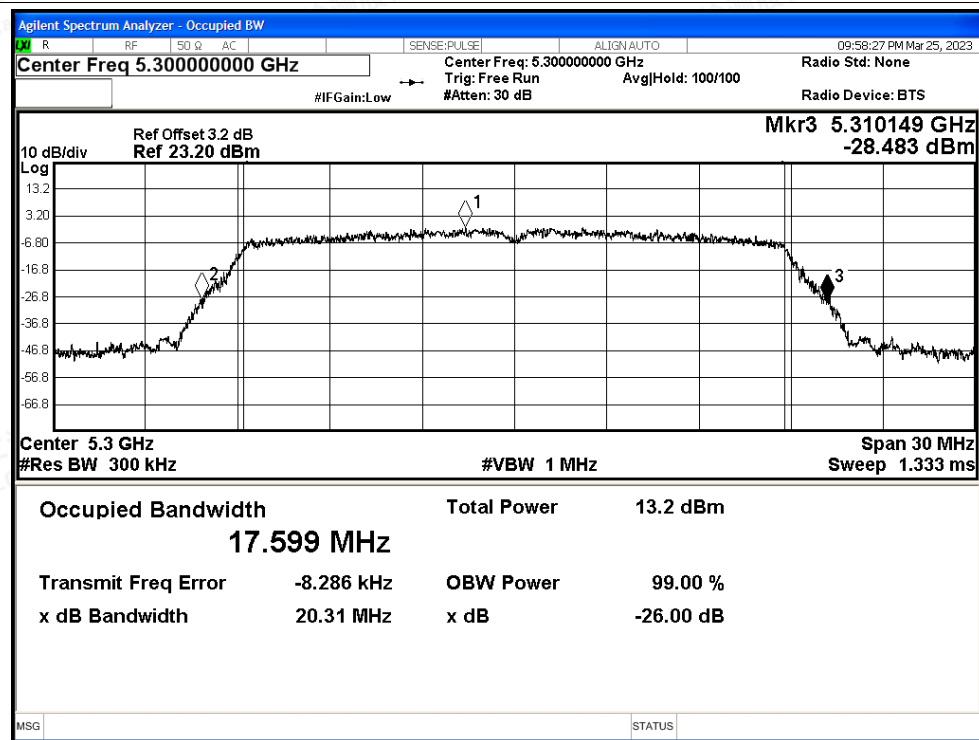




-26dB Bandwidth NVNT ac20 5260MHz Ant0

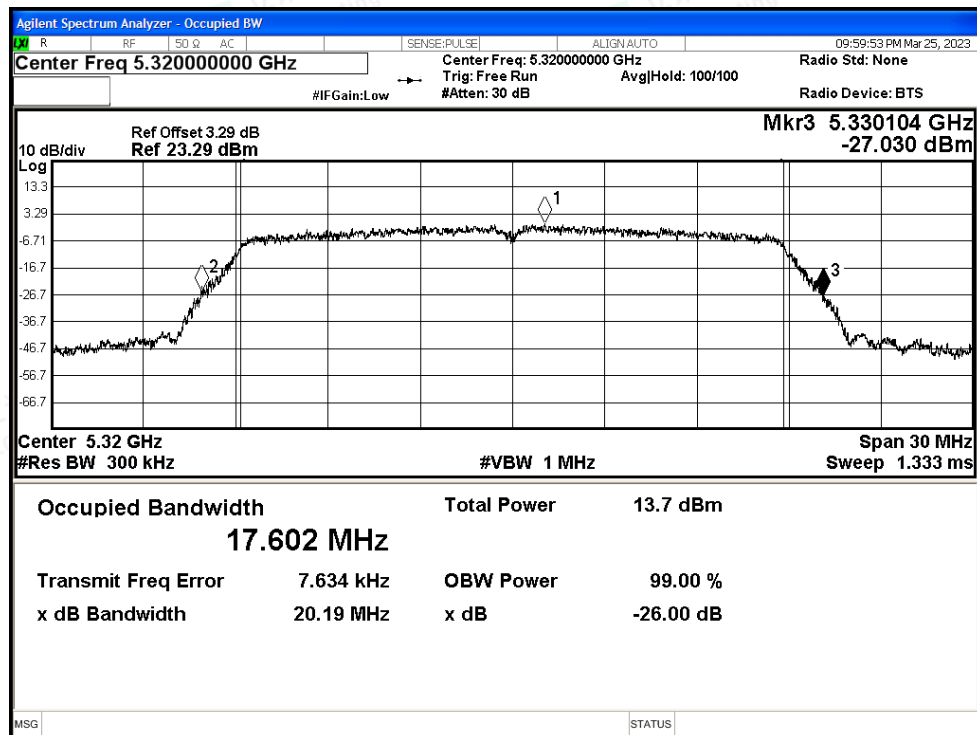


-26dB Bandwidth NVNT ac20 5300MHz Ant0

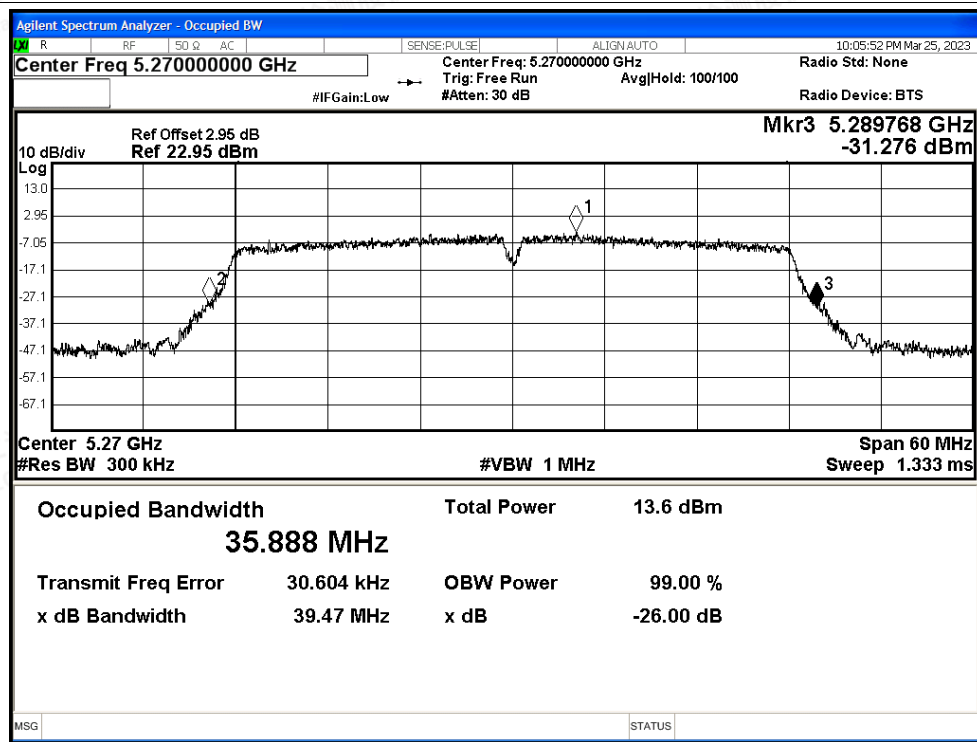




-26dB Bandwidth NVNT ac20 5320MHz Ant0

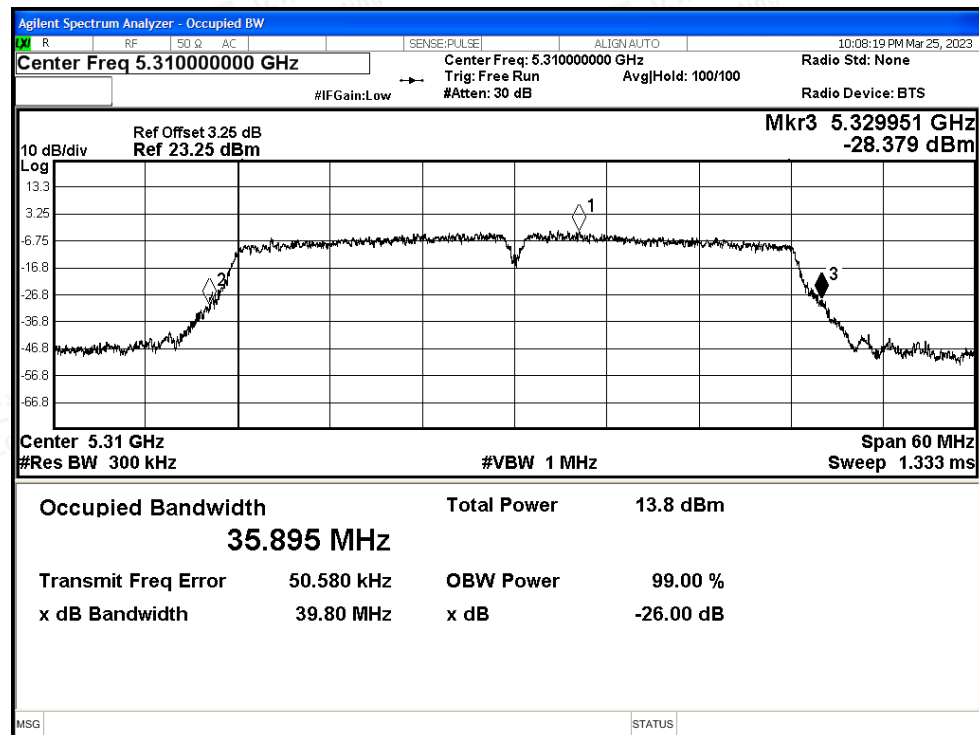


-26dB Bandwidth NVNT ac40 5270MHz Ant0

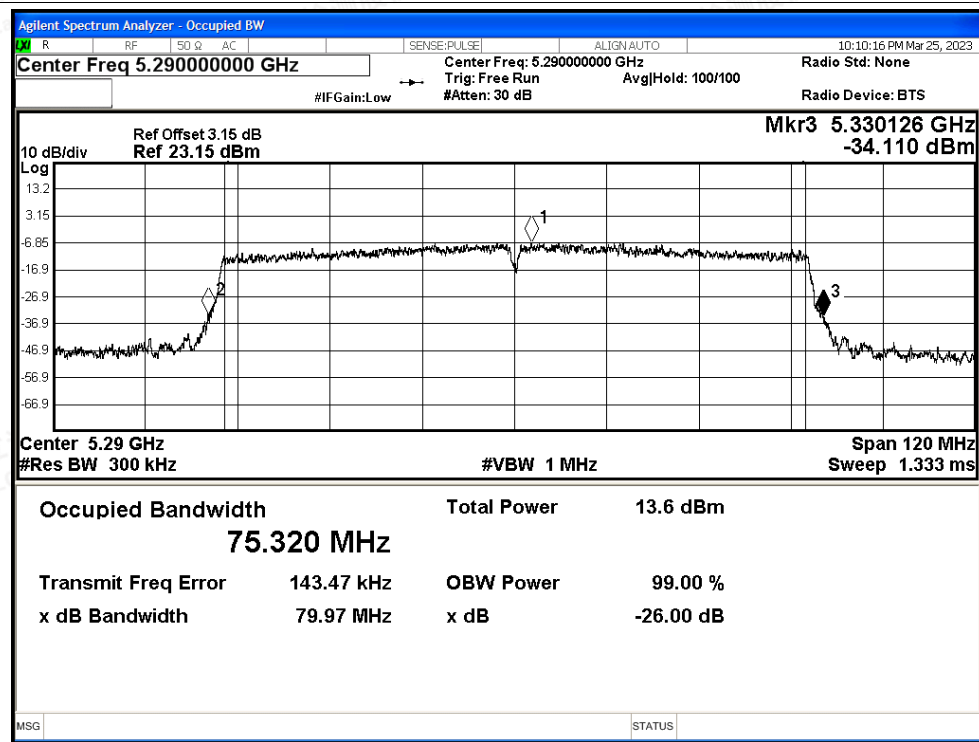




-26dB Bandwidth NVNT ac40 5310MHz Ant0



-26dB Bandwidth NVNT ac80 5290MHz Ant0





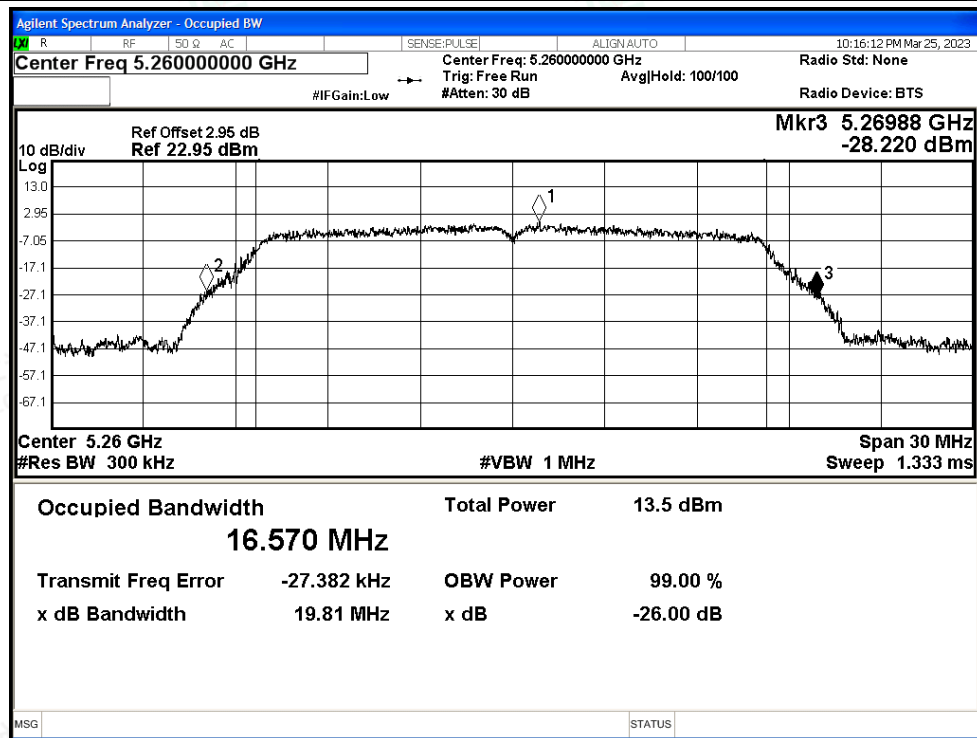
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	19.815	Pass
NVNT	a	5300	Ant1	19.899	Pass
NVNT	a	5320	Ant1	19.959	Pass
NVNT	n20	5260	Ant1	20.315	Pass
NVNT	n20	5300	Ant1	20.378	Pass
NVNT	n20	5320	Ant1	20.347	Pass
NVNT	n40	5270	Ant1	39.93	Pass
NVNT	n40	5310	Ant1	40.045	Pass
NVNT	ac20	5260	Ant1	20.262	Pass
NVNT	ac20	5300	Ant1	20.121	Pass
NVNT	ac20	5320	Ant1	20.224	Pass
NVNT	ac40	5270	Ant1	39.821	Pass
NVNT	ac40	5310	Ant1	39.745	Pass
NVNT	ac80	5290	Ant1	79.471	Pass



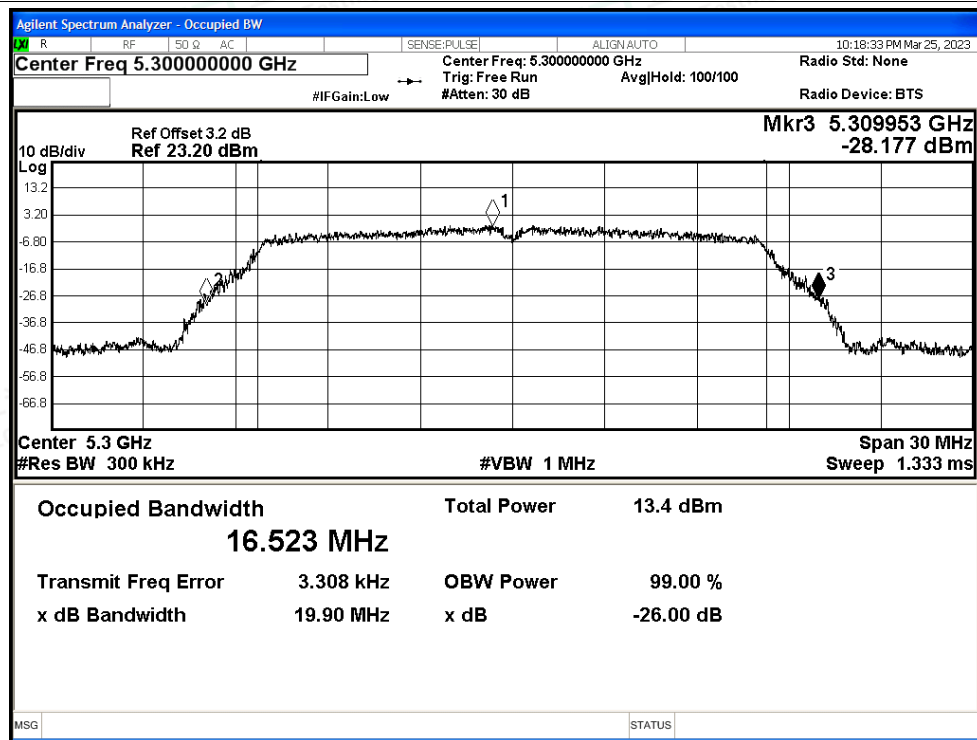


Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1

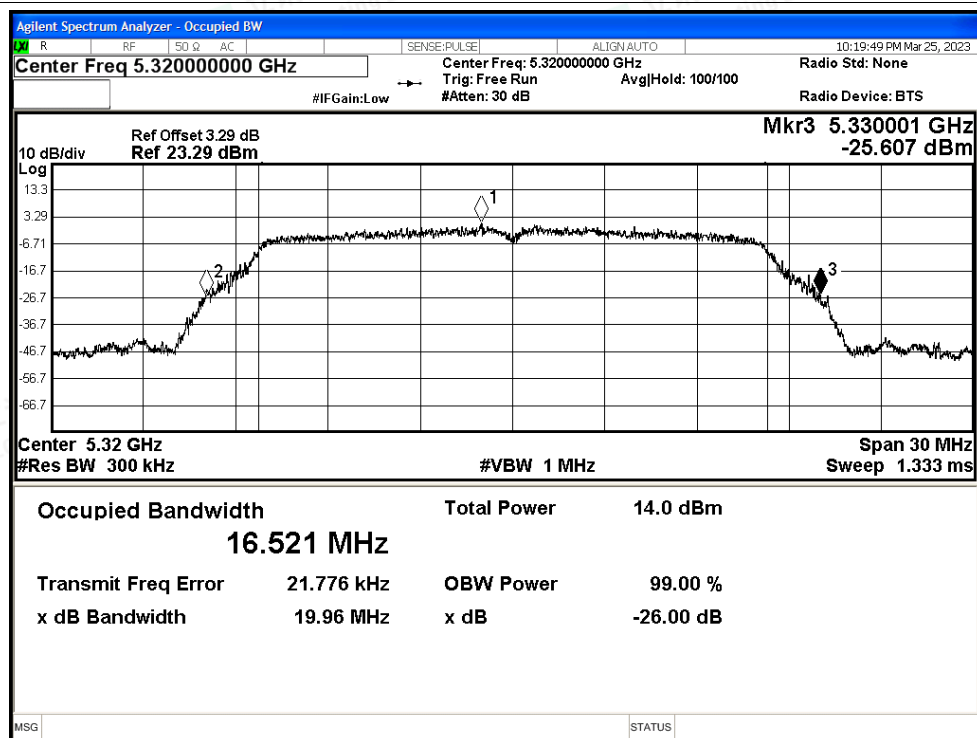


-26dB Bandwidth NVNT a 5300MHz Ant1

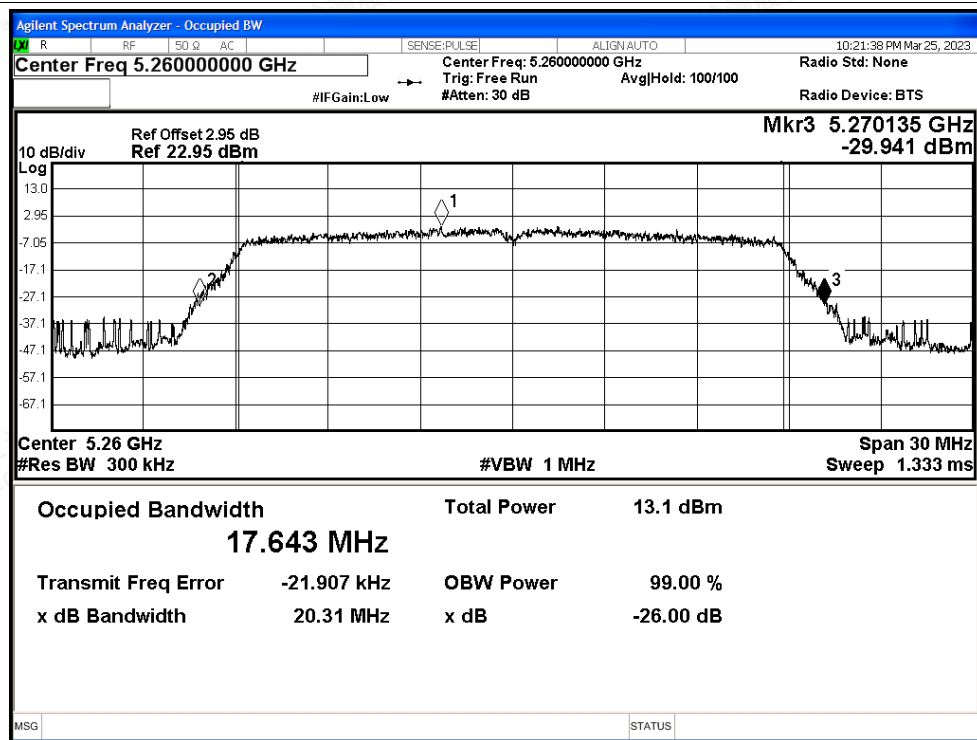




-26dB Bandwidth NVNT a 5320MHz Ant1

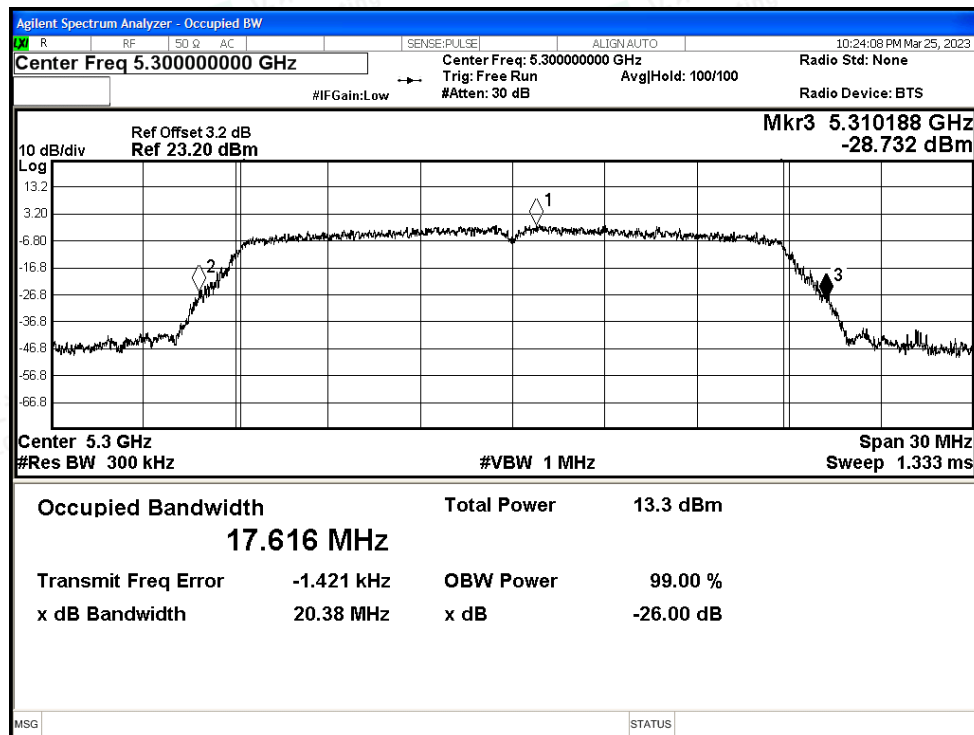


-26dB Bandwidth NVNT n20 5260MHz Ant1

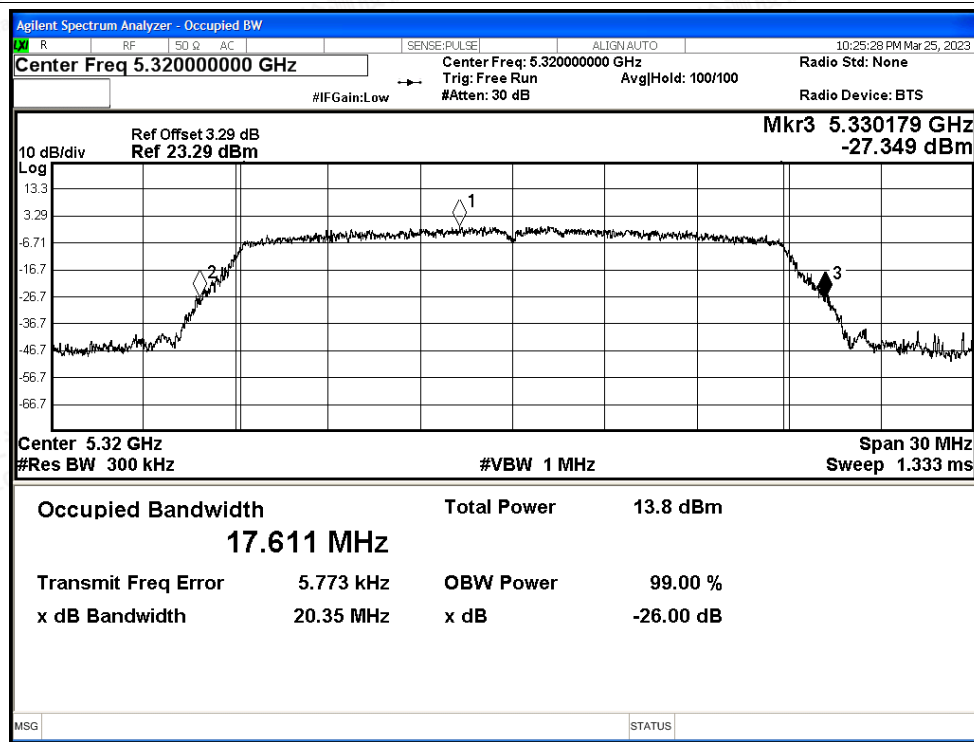




-26dB Bandwidth NVNT n20 5300MHz Ant1

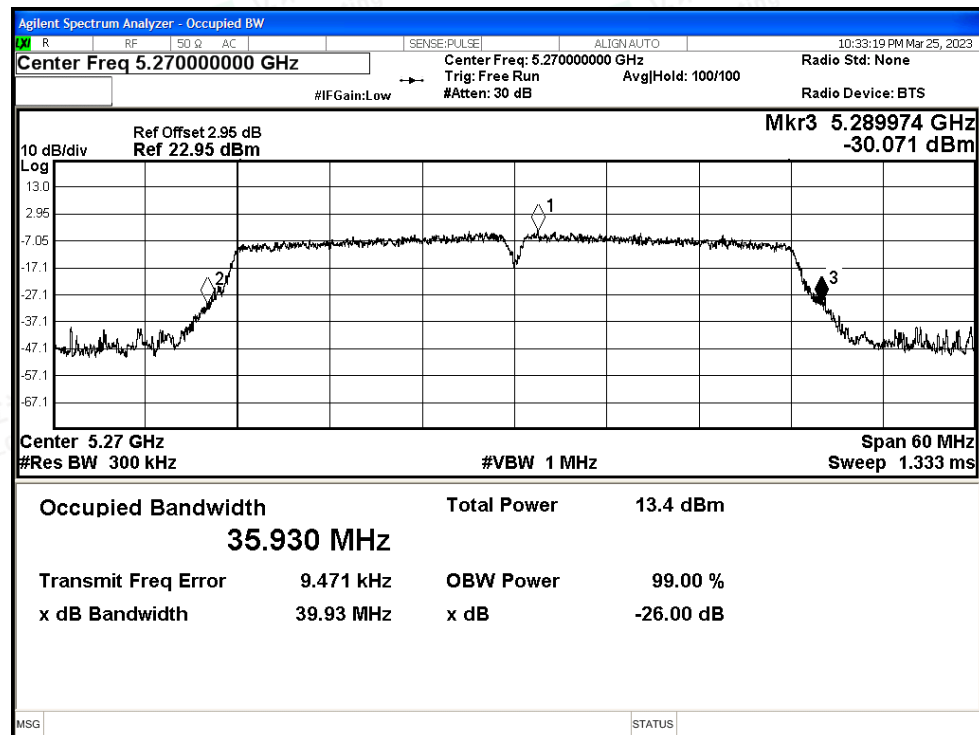


-26dB Bandwidth NVNT n20 5320MHz Ant1

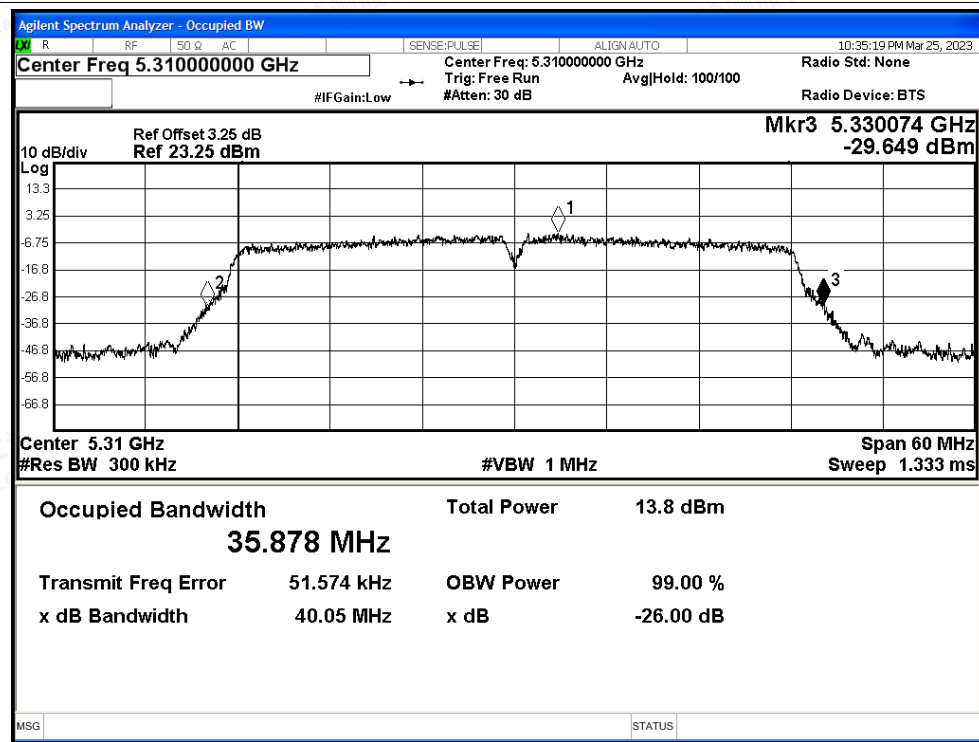




-26dB Bandwidth NVNT n40 5270MHz Ant1

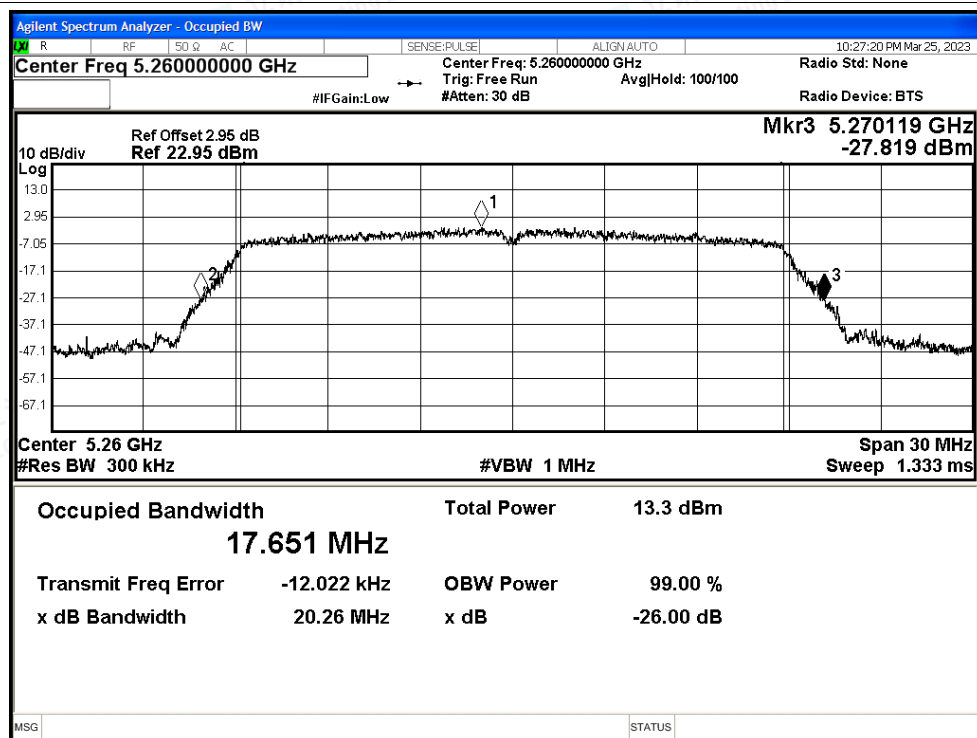


-26dB Bandwidth NVNT n40 5310MHz Ant1

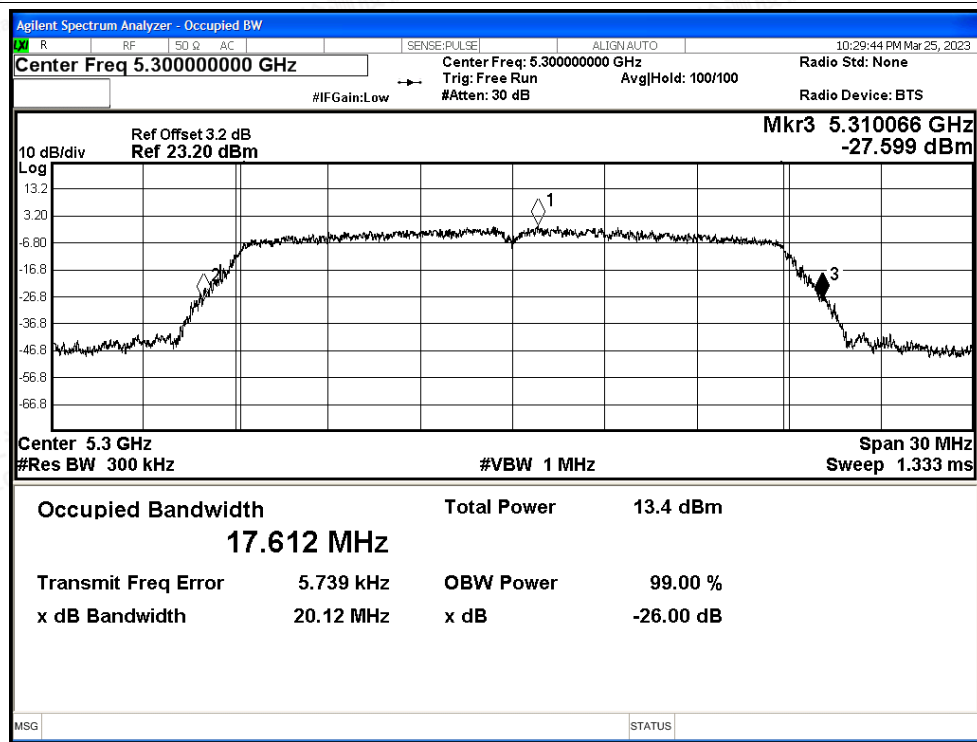




-26dB Bandwidth NVNT ac20 5260MHz Ant1

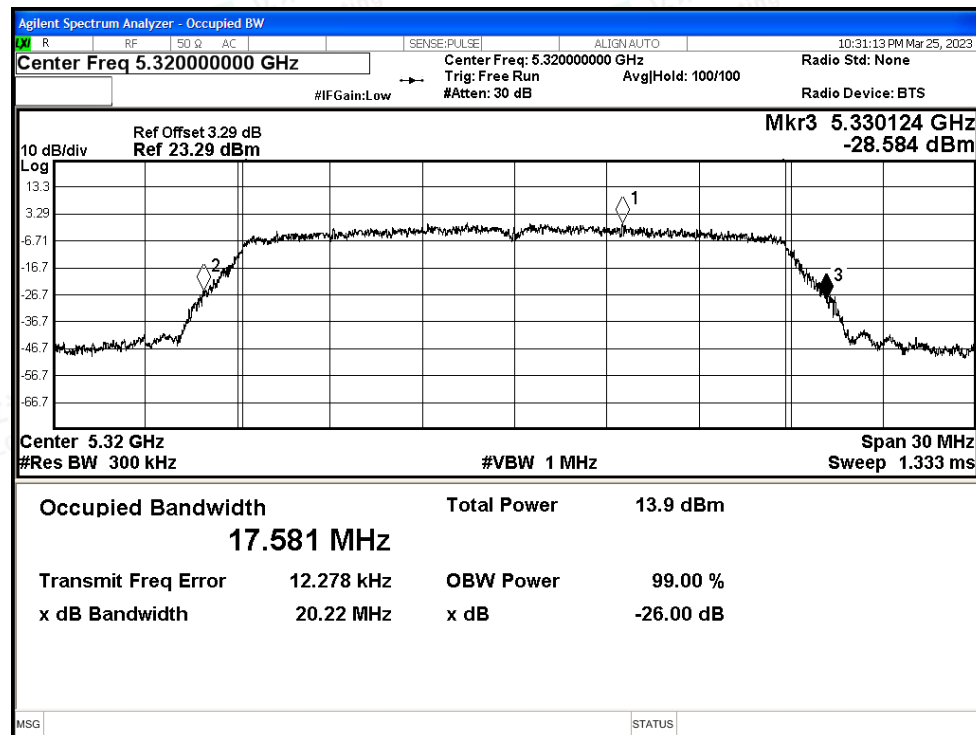


-26dB Bandwidth NVNT ac20 5300MHz Ant1

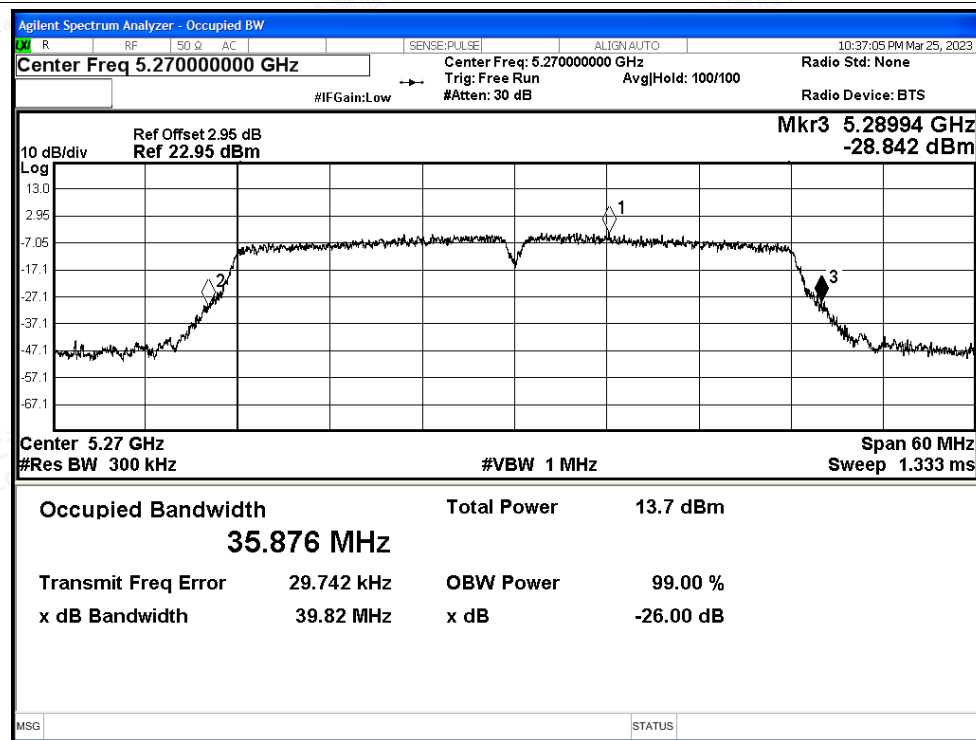




-26dB Bandwidth NVNT ac20 5320MHz Ant1

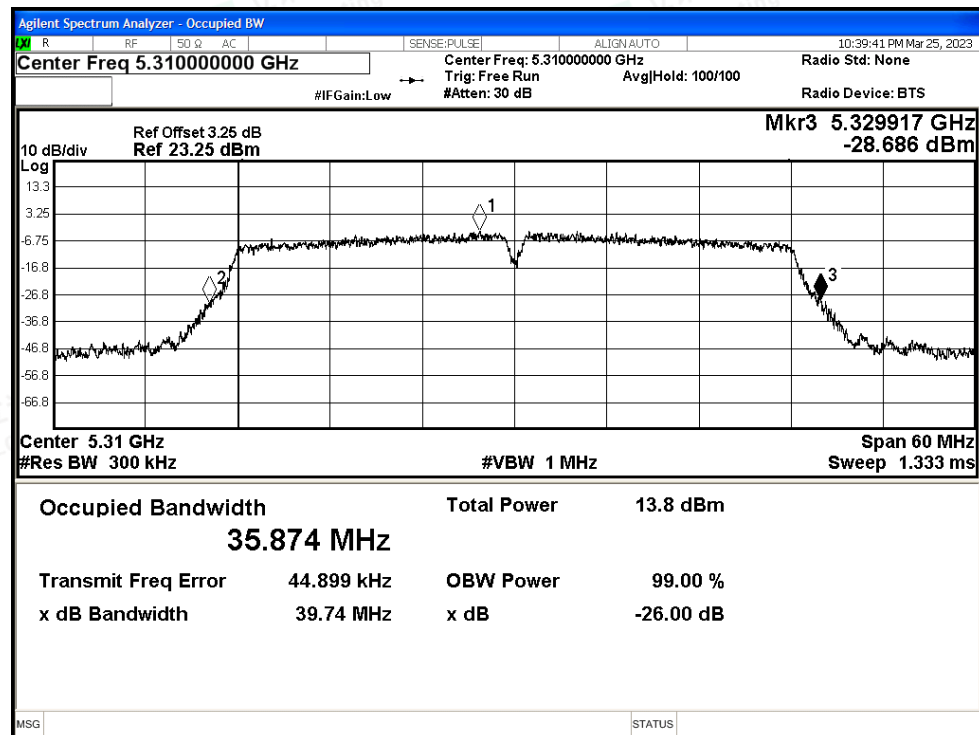


-26dB Bandwidth NVNT ac40 5270MHz Ant1

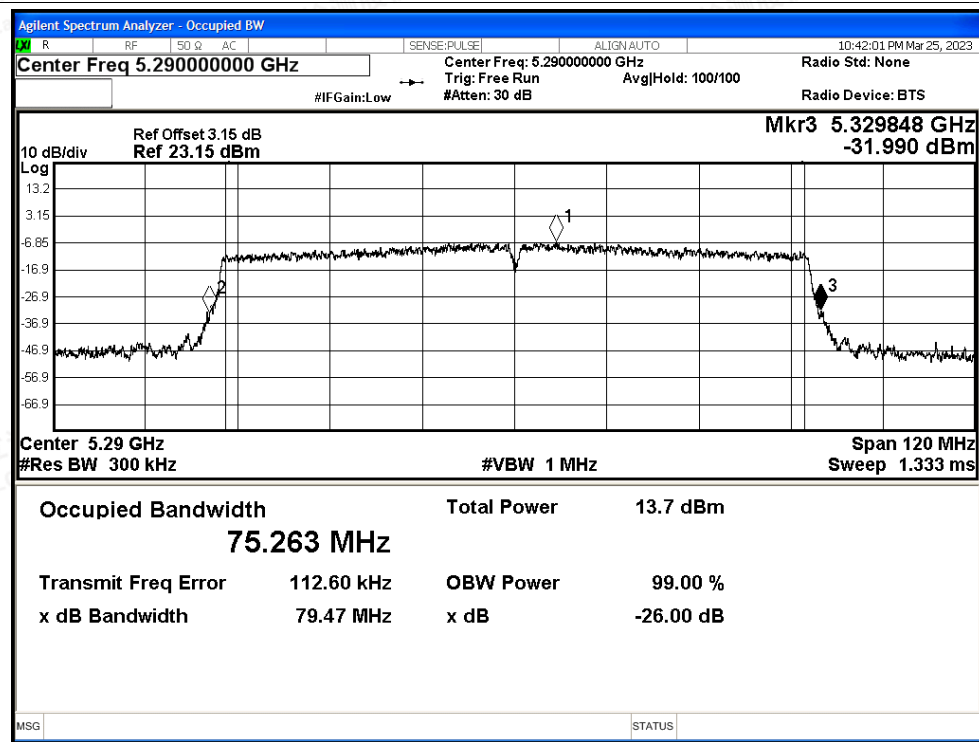




-26dB Bandwidth NVNT ac40 5310MHz Ant1



-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	Ant0	6.55	0.13	6.68	24	Pass
NVNT	a	5300	Ant0	6.99	0.14	7.13	24	Pass
NVNT	a	5320	Ant0	6.6	0.13	6.73	24	Pass
NVNT	n20	5260	Ant0	6.06	0.14	6.2	24	Pass
NVNT	n20	5300	Ant0	6.81	0.14	6.95	24	Pass
NVNT	n20	5320	Ant0	6.97	0.14	7.11	24	Pass
NVNT	n40	5270	Ant0	6.1	0.27	6.37	24	Pass
NVNT	n40	5310	Ant0	6.87	0.28	7.15	24	Pass
NVNT	ac20	5260	Ant0	6.14	0.14	6.28	24	Pass
NVNT	ac20	5300	Ant0	6.75	0.14	6.89	24	Pass
NVNT	ac20	5320	Ant0	6.87	0.14	7.01	24	Pass
NVNT	ac40	5270	Ant0	6.2	0.28	6.48	24	Pass
NVNT	ac40	5310	Ant0	6.91	0.28	7.19	24	Pass
NVNT	ac80	5290	Ant0	6.6	0.57	7.17	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	6.45	0.13	6.58	24	Pass
NVNT	a	5300	Ant1	6.87	0.13	7.00	24	Pass
NVNT	a	5320	Ant1	5.87	0.13	6.00	24	Pass
NVNT	n20	5260	Ant1	6.18	0.14	6.32	24	Pass
NVNT	n20	5300	Ant1	6.3	0.14	6.44	24	Pass
NVNT	n20	5320	Ant1	6.83	0.15	6.98	24	Pass
NVNT	n40	5270	Ant1	6.59	0.27	6.86	24	Pass
NVNT	n40	5310	Ant1	6.13	0.29	6.42	24	Pass
NVNT	ac20	5260	Ant1	6.16	0.14	6.3	24	Pass
NVNT	ac20	5300	Ant1	6.34	0.14	6.48	24	Pass
NVNT	ac20	5320	Ant1	6.4	0.14	6.54	24	Pass
NVNT	ac40	5270	Ant1	6.47	0.28	6.75	24	Pass
NVNT	ac40	5310	Ant1	5.89	0.28	6.17	24	Pass
NVNT	ac80	5290	Ant1	6.8	0.55	7.35	24	Pass



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MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5260	6.2	6.32	9.27	23.19	Pass
NVNT	n20	5300	6.95	6.44	9.71	23.19	Pass
NVNT	n20	5320	7.11	6.98	10.06	23.19	Pass
NVNT	n40	5270	6.37	6.86	9.63	23.19	Pass
NVNT	n40	5310	7.15	6.42	9.81	23.19	Pass
NVNT	ac20	5260	6.28	6.3	9.30	23.19	Pass
NVNT	ac20	5300	6.89	6.48	9.70	23.19	Pass
NVNT	ac20	5320	7.01	6.54	9.79	23.19	Pass
NVNT	ac40	5270	6.48	6.75	9.63	23.19	Pass
NVNT	ac40	5310	7.19	6.17	9.72	23.19	Pass
NVNT	ac80	5290	7.17	7.35	10.27	23.19	Pass



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E.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	Ant0	-4.41	0.13	-4.28	11	Pass
NVNT	a	5300	Ant0	-4.27	0.14	-4.13	11	Pass
NVNT	a	5320	Ant0	-4.43	0.13	-4.3	11	Pass
NVNT	n20	5260	Ant0	-4.97	0.14	-4.83	11	Pass
NVNT	n20	5300	Ant0	-4.65	0.14	-4.51	11	Pass
NVNT	n20	5320	Ant0	-4.29	0.14	-4.15	11	Pass
NVNT	n40	5270	Ant0	-9.19	0.27	-8.92	11	Pass
NVNT	n40	5310	Ant0	-8.73	0.28	-8.45	11	Pass
NVNT	ac20	5260	Ant0	-5.1	0.14	-4.96	11	Pass
NVNT	ac20	5300	Ant0	-4.5	0.14	-4.36	11	Pass
NVNT	ac20	5320	Ant0	-4.65	0.14	-4.51	11	Pass
NVNT	ac40	5270	Ant0	-7.43	0.28	-7.15	11	Pass
NVNT	ac40	5310	Ant0	-8.28	0.28	-8.00	11	Pass
NVNT	ac80	5290	Ant0	-14.49	0.57	-13.92	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-4.17	0.13	-4.04	11	Pass
NVNT	a	5300	Ant1	-4.3	0.13	-4.17	11	Pass
NVNT	a	5320	Ant1	-3.42	0.13	-3.29	11	Pass
NVNT	n20	5260	Ant1	-5.05	0.14	-4.91	11	Pass
NVNT	n20	5300	Ant1	-4.23	0.14	-4.09	11	Pass
NVNT	n20	5320	Ant1	-4.36	0.15	-4.21	11	Pass
NVNT	n40	5270	Ant1	-8.62	0.27	-8.35	11	Pass
NVNT	n40	5310	Ant1	-8.61	0.29	-8.32	11	Pass
NVNT	ac20	5260	Ant1	-4.77	0.14	-4.63	11	Pass
NVNT	ac20	5300	Ant1	-4.52	0.14	-4.38	11	Pass
NVNT	ac20	5320	Ant1	-4.33	0.14	-4.19	11	Pass
NVNT	ac40	5270	Ant1	-9.1	0.28	-8.82	11	Pass
NVNT	ac40	5310	Ant1	-8.58	0.28	-8.30	11	Pass
NVNT	ac80	5290	Ant1	-13.58	0.55	-13.03	11	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5260	-4.83	-4.91	-1.86	10.19	Pass
NVNT	n20	5300	-4.51	-4.09	-1.28	10.19	Pass
NVNT	n20	5320	-4.15	-4.21	-1.17	10.19	Pass
NVNT	n40	5270	-8.92	-8.35	-5.62	10.19	Pass
NVNT	n40	5310	-8.45	-8.32	-5.37	10.19	Pass
NVNT	ac20	5260	-4.96	-4.63	-1.78	10.19	Pass
NVNT	ac20	5300	-4.36	-4.38	-1.36	10.19	Pass
NVNT	ac20	5320	-4.51	-4.19	-1.34	10.19	Pass
NVNT	ac40	5270	-7.15	-8.82	-4.89	10.19	Pass
NVNT	ac40	5310	-8.00	-8.30	-5.14	10.19	Pass
NVNT	ac80	5290	-13.92	-13.03	-10.44	10.19	Pass

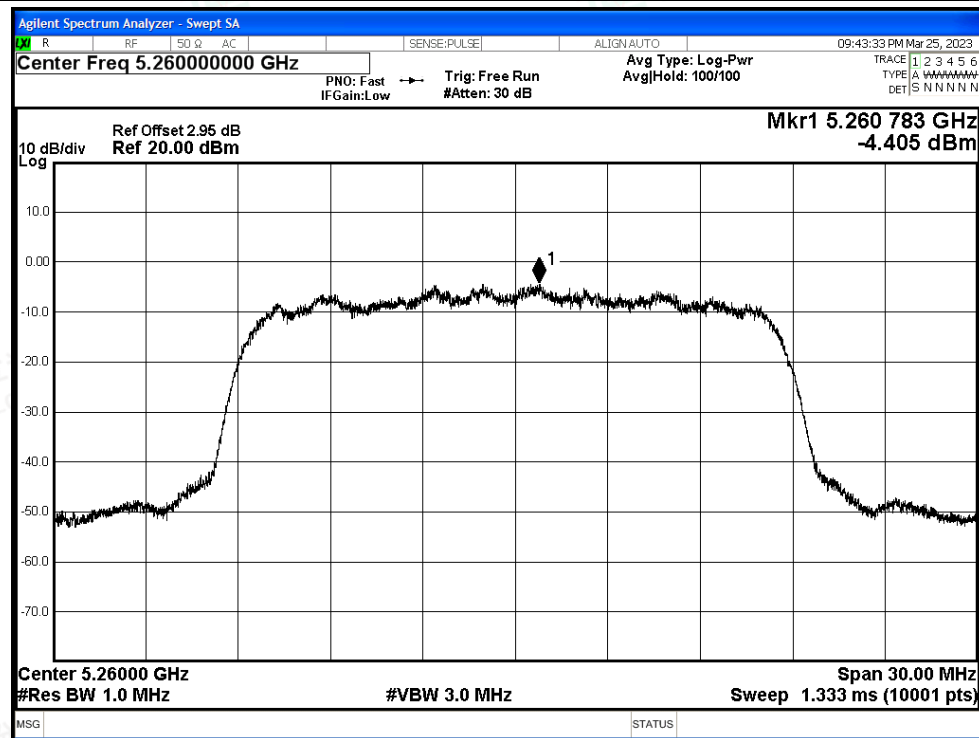


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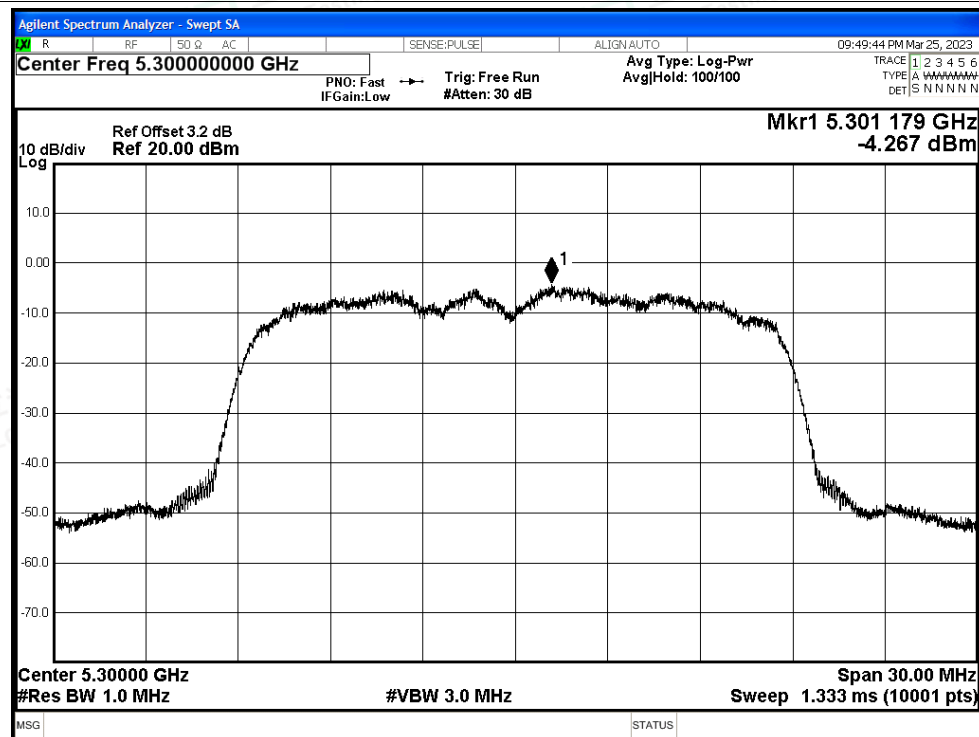


Test Graphs

PSD NVNT a 5260MHz Ant0

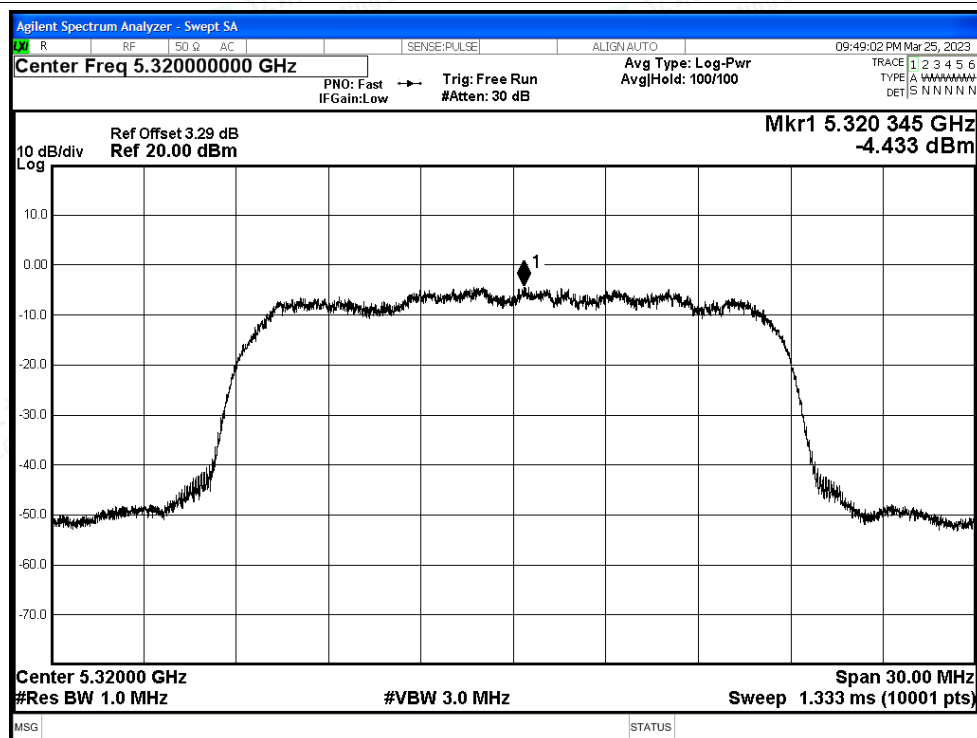


PSD NVNT a 5300MHz Ant0

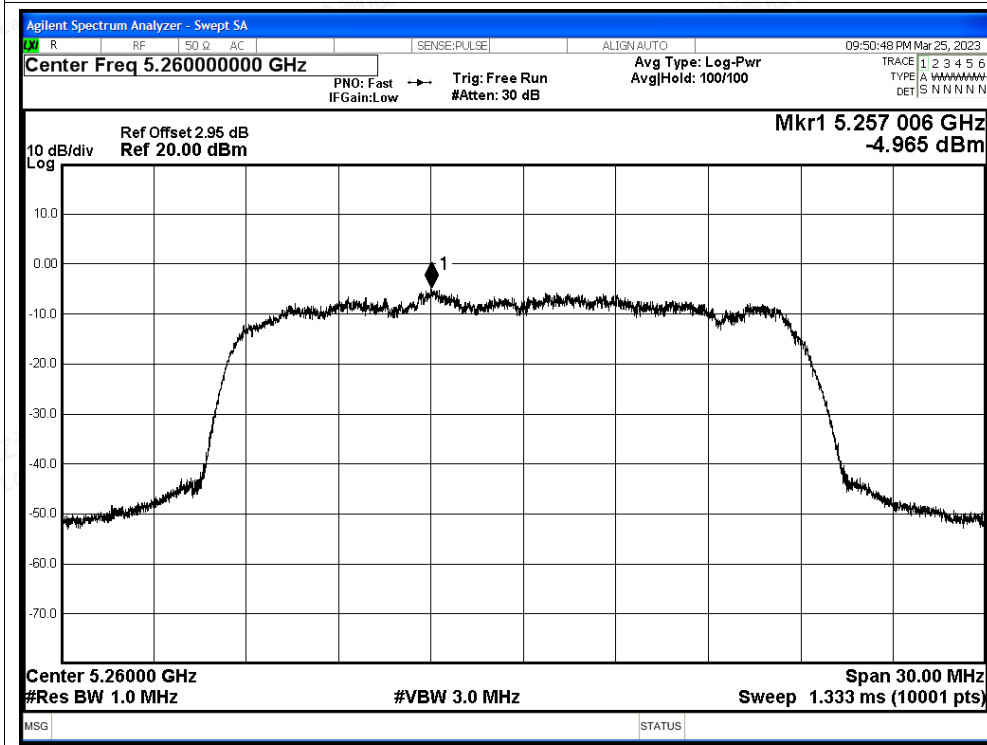


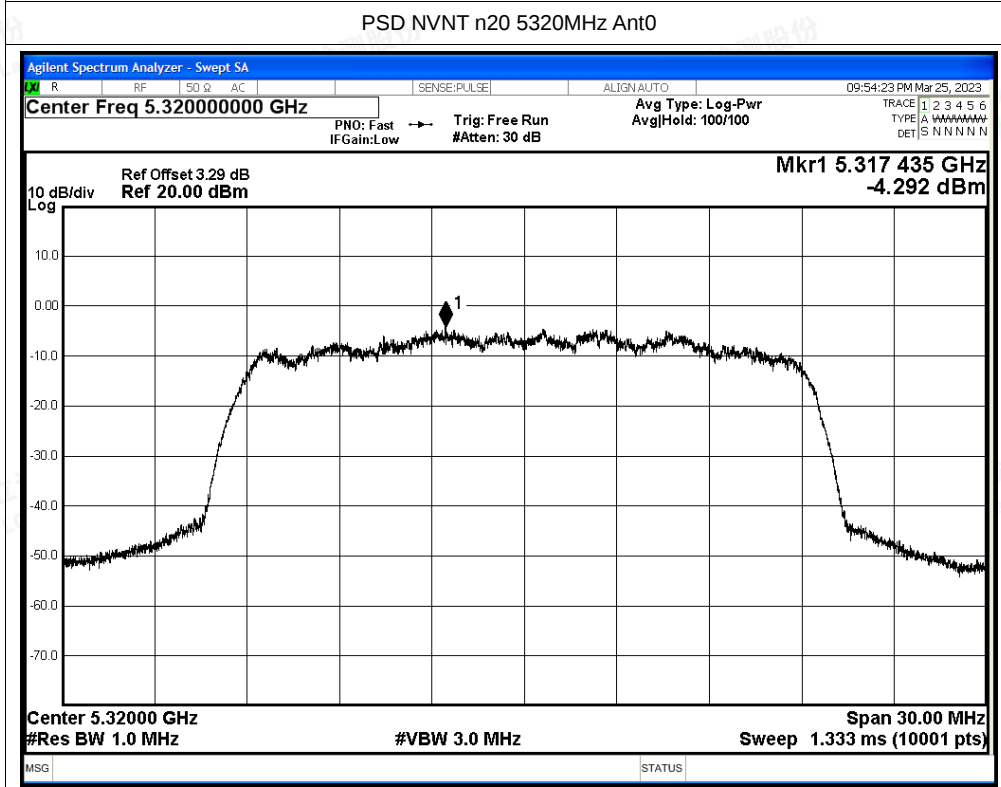
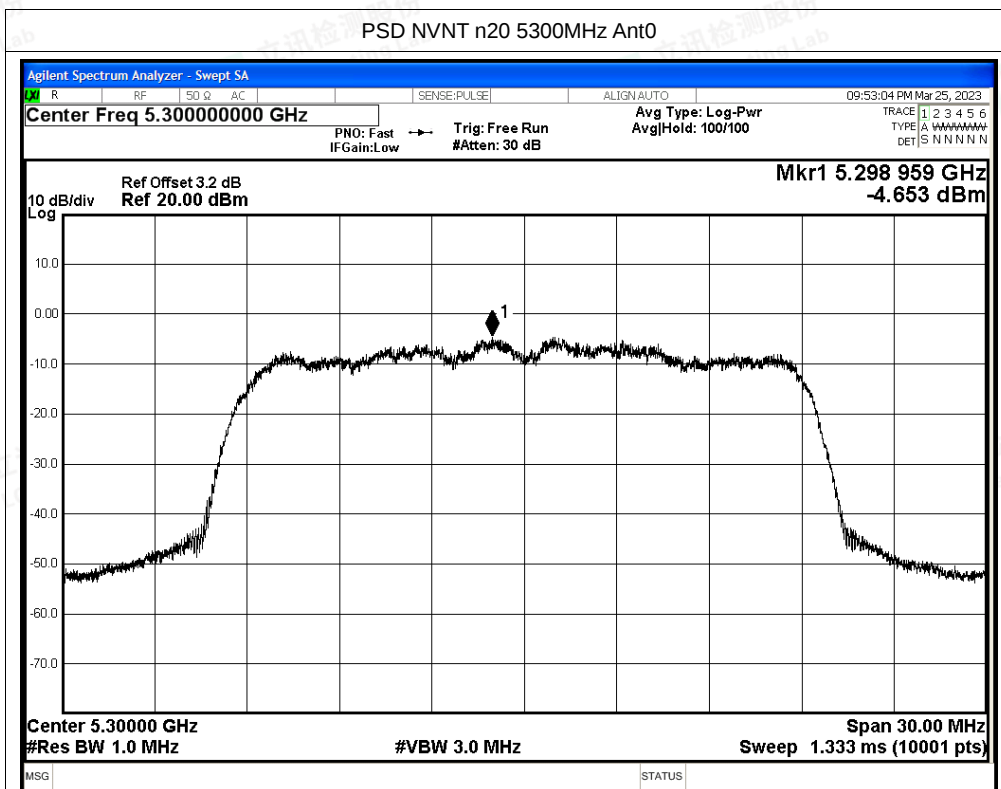


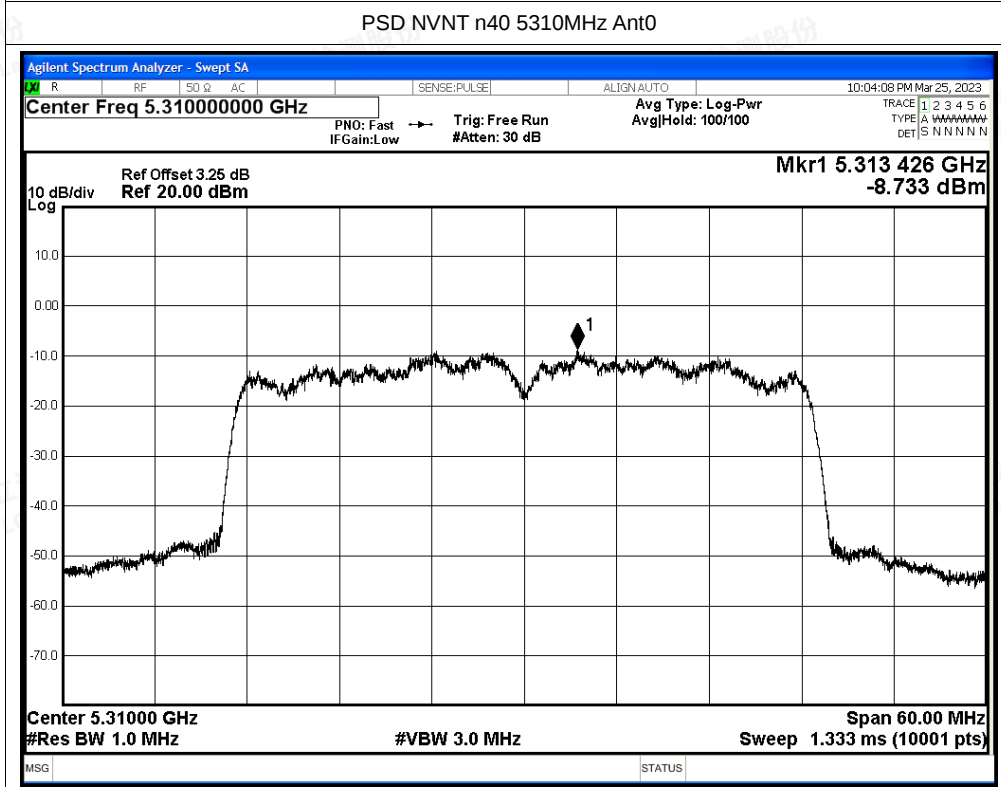
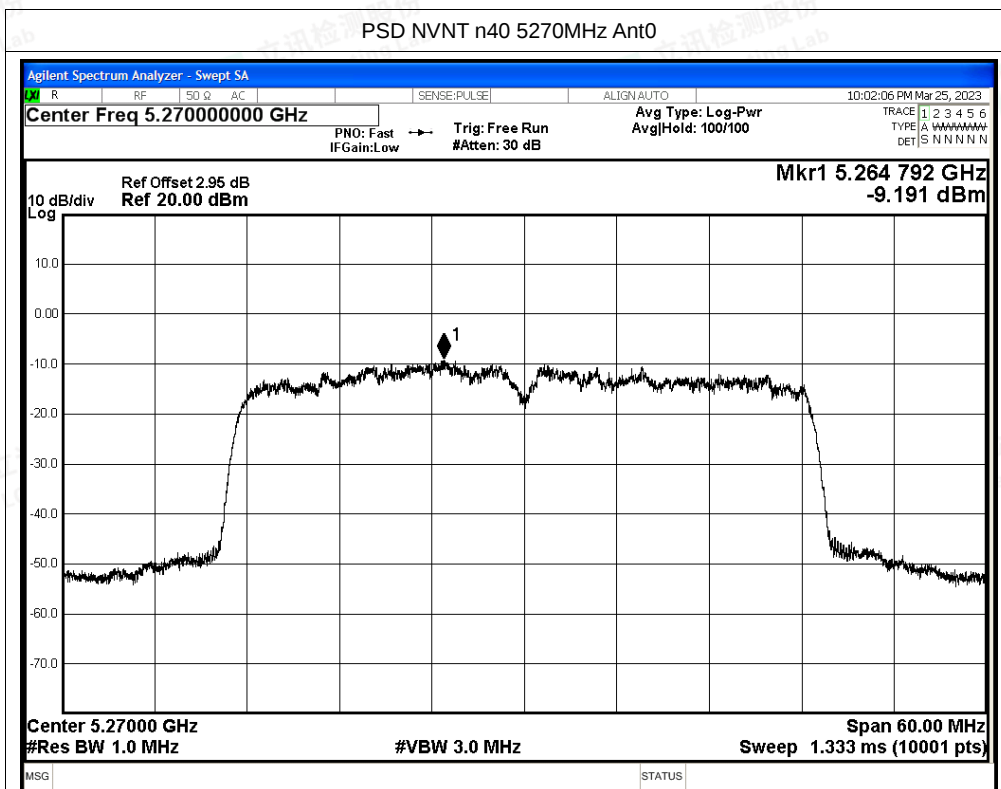
PSD NVNT a 5320MHz Ant0



PSD NVNT n20 5260MHz Ant0

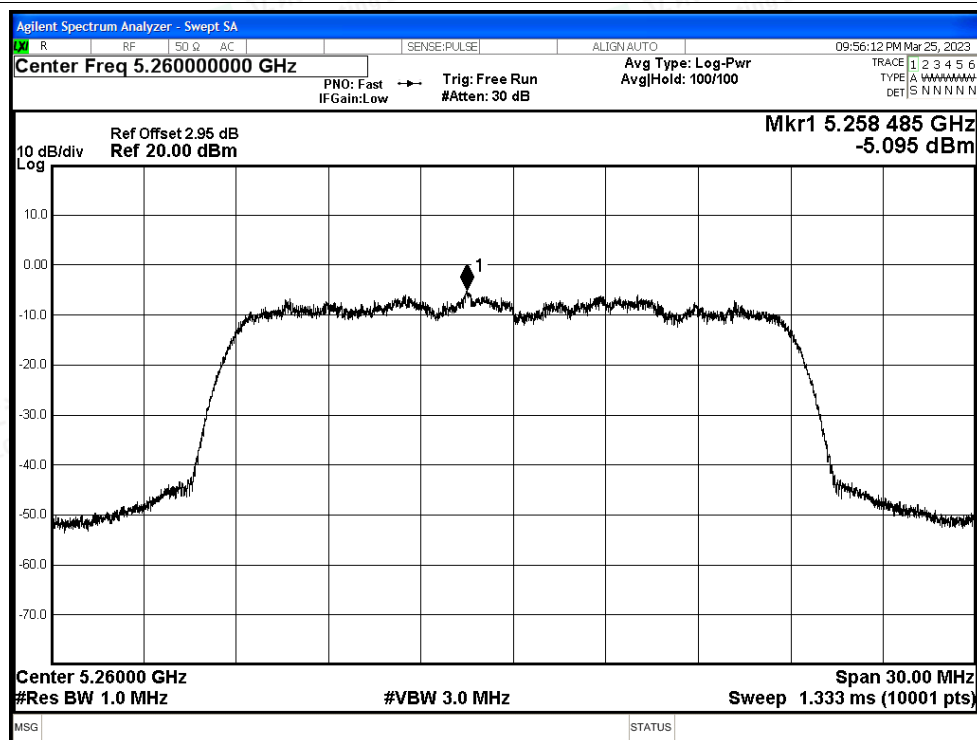




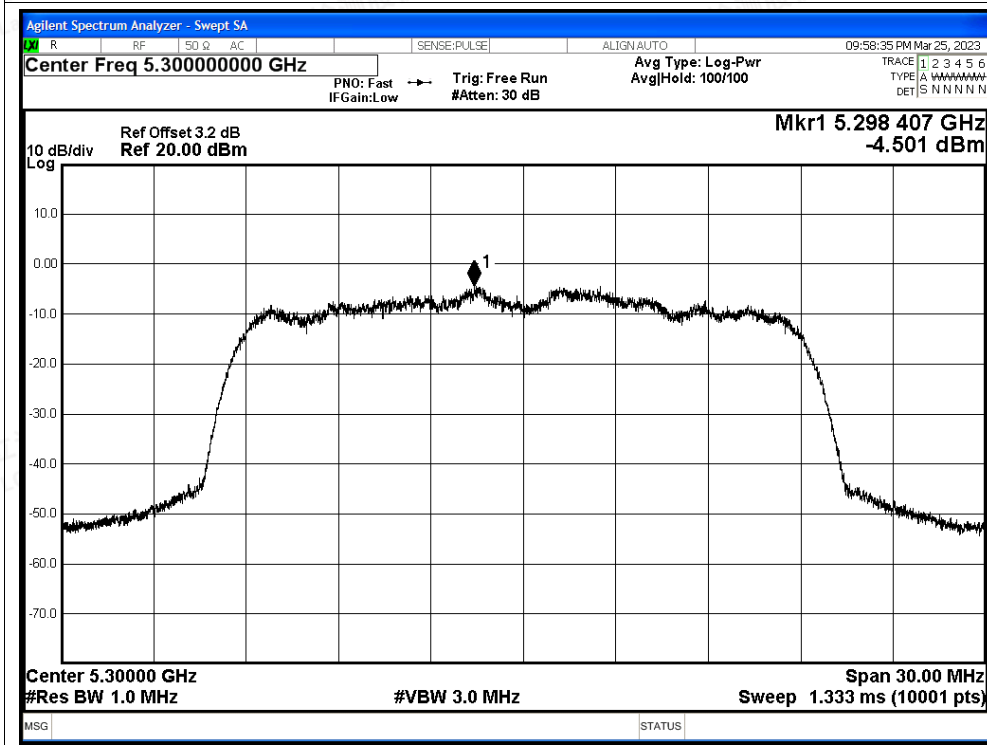




PSD NVNT ac20 5260MHz Ant0

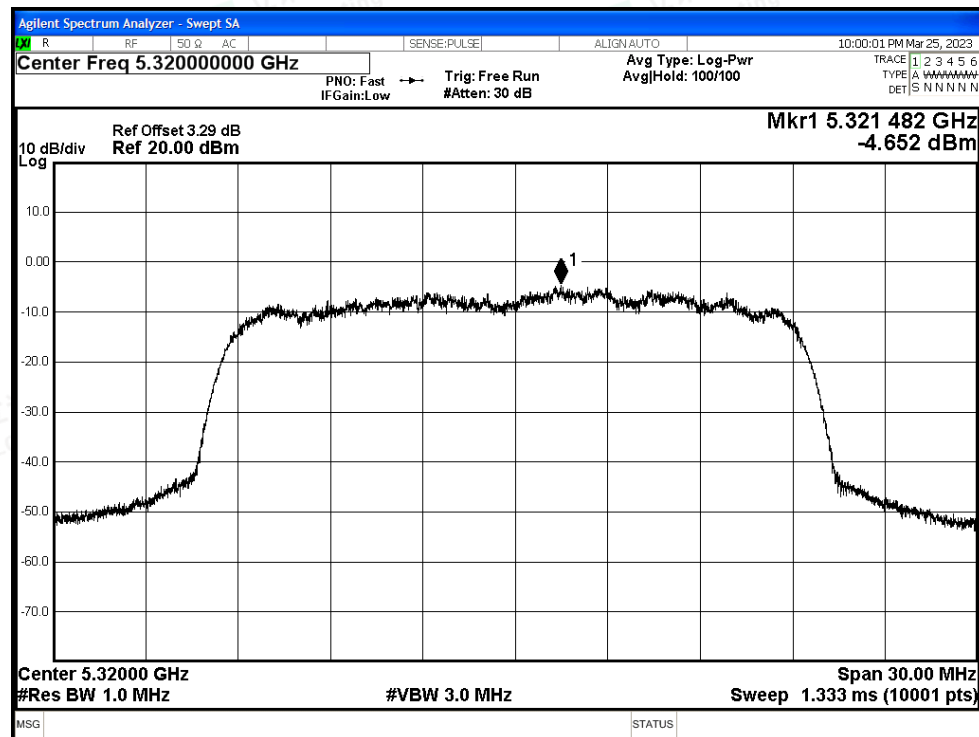


PSD NVNT ac20 5300MHz Ant0

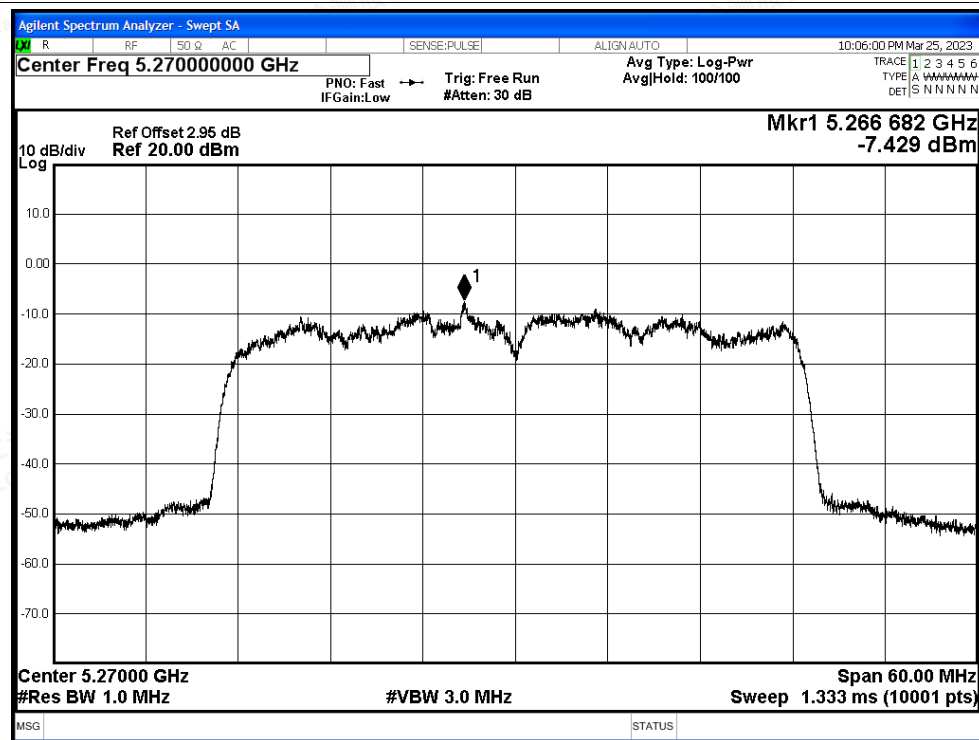




PSD NVNT ac20 5320MHz Ant0

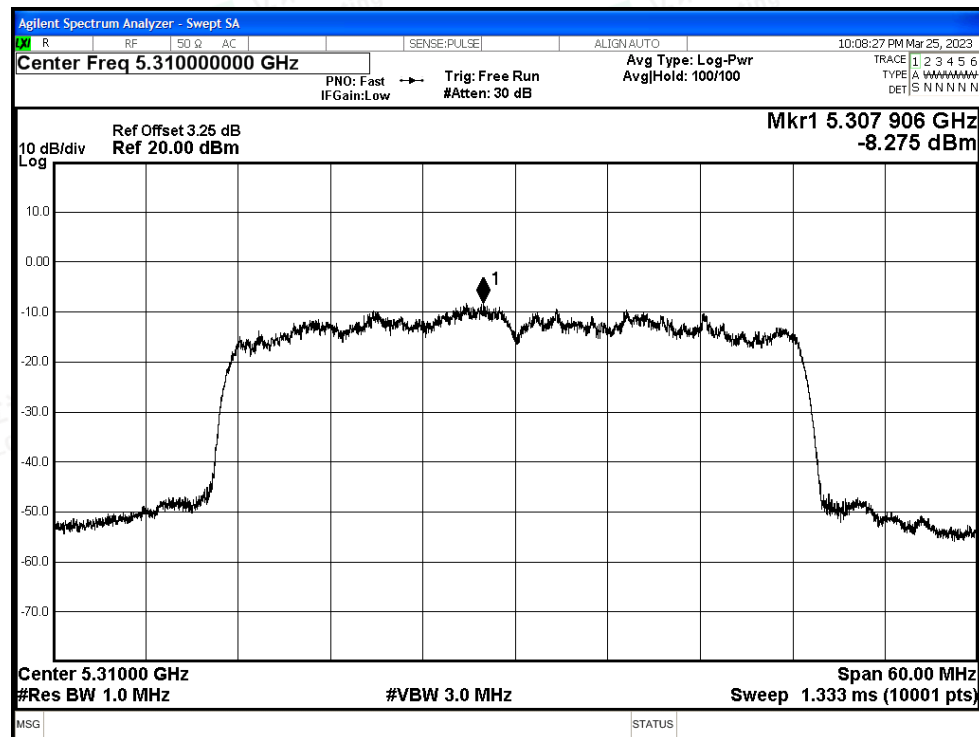


PSD NVNT ac40 5270MHz Ant0

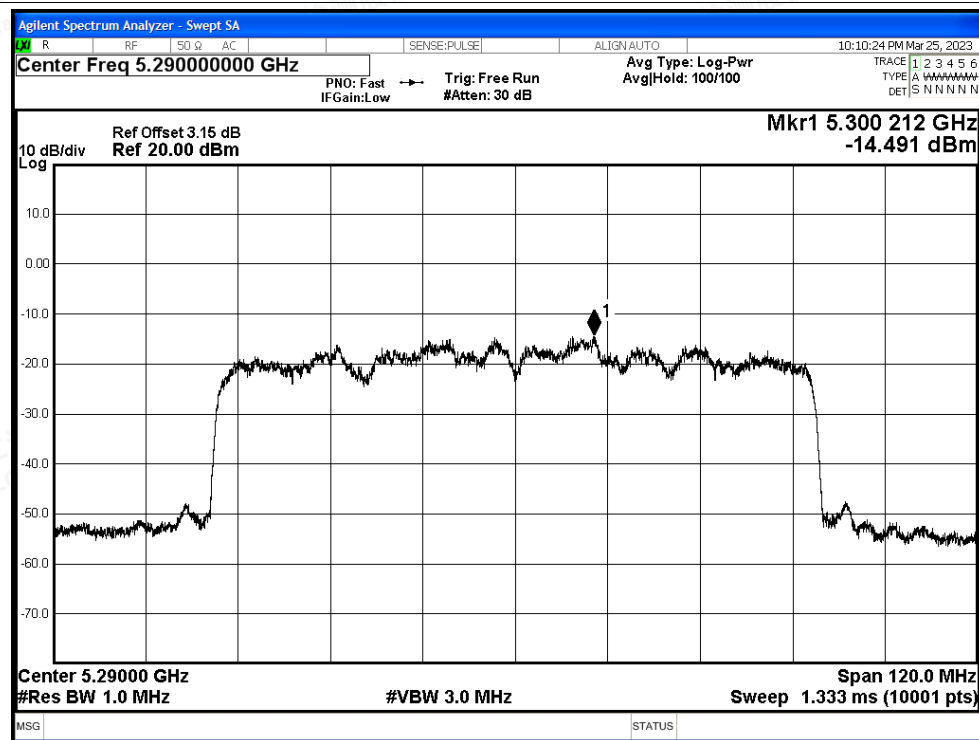




PSD NVNT ac40 5310MHz Ant0



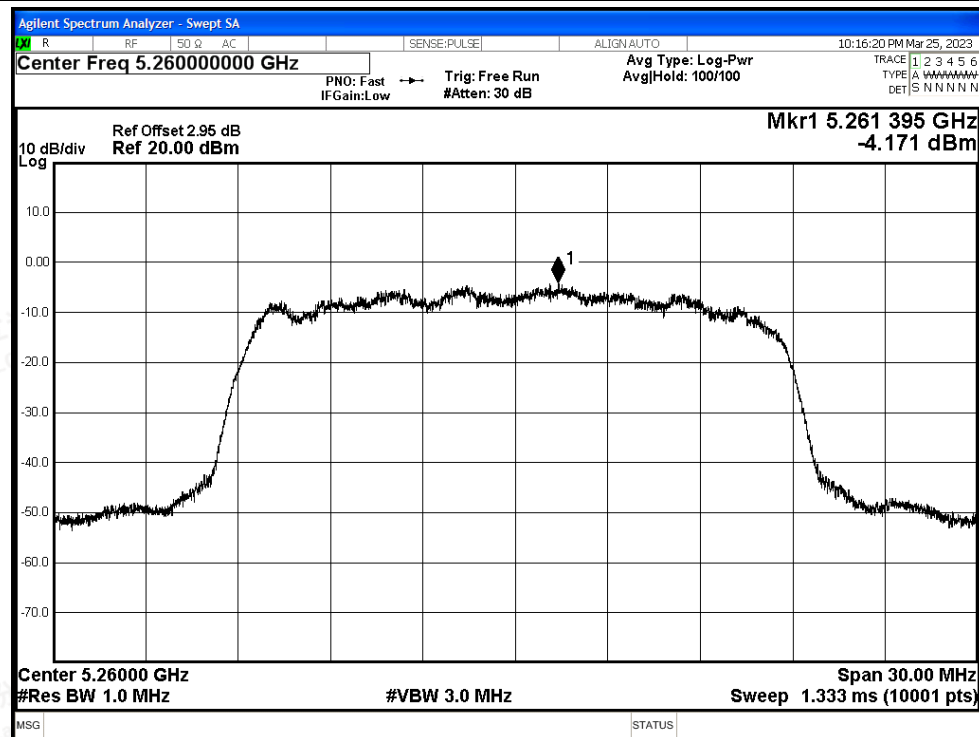
PSD NVNT ac80 5290MHz Ant0



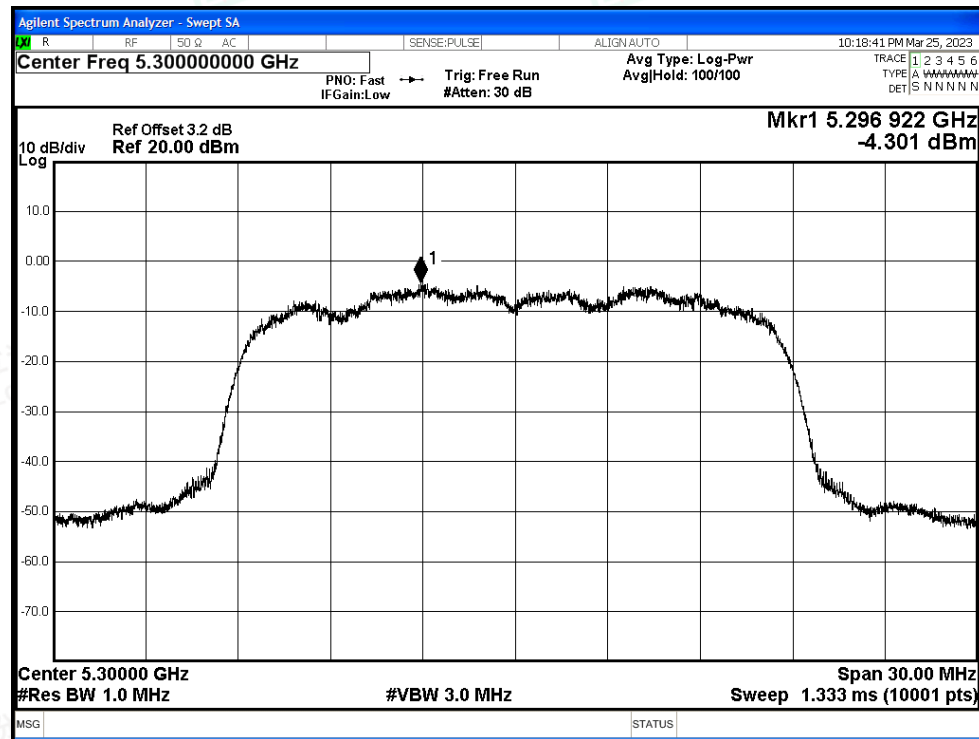


Test Graphs

PSD NVNT a 5260MHz Ant1

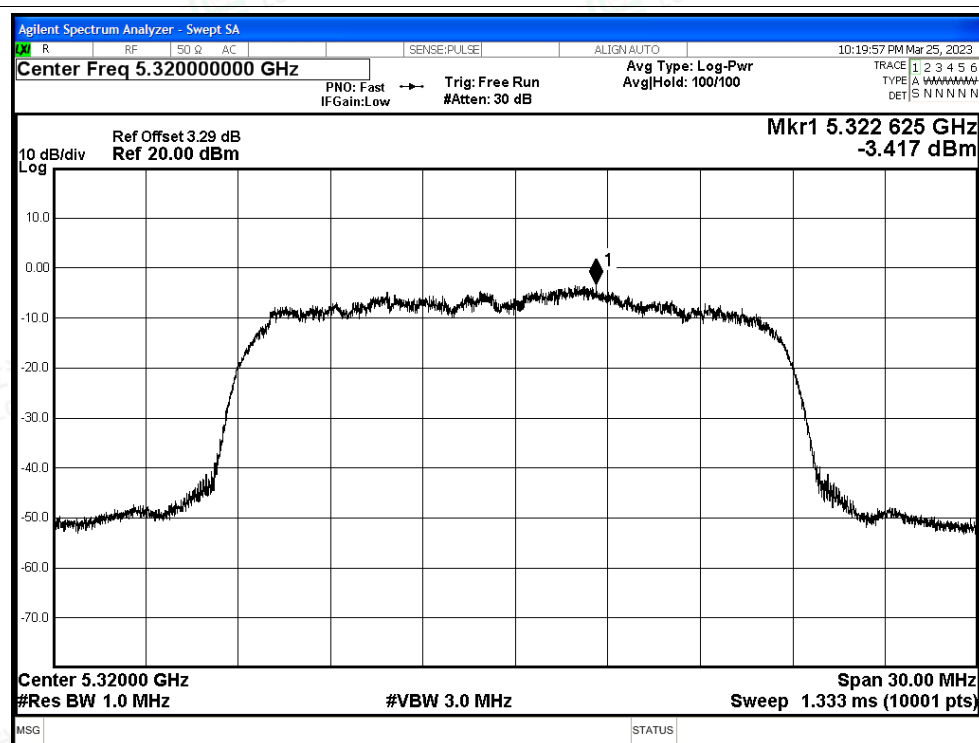


PSD NVNT a 5300MHz Ant1

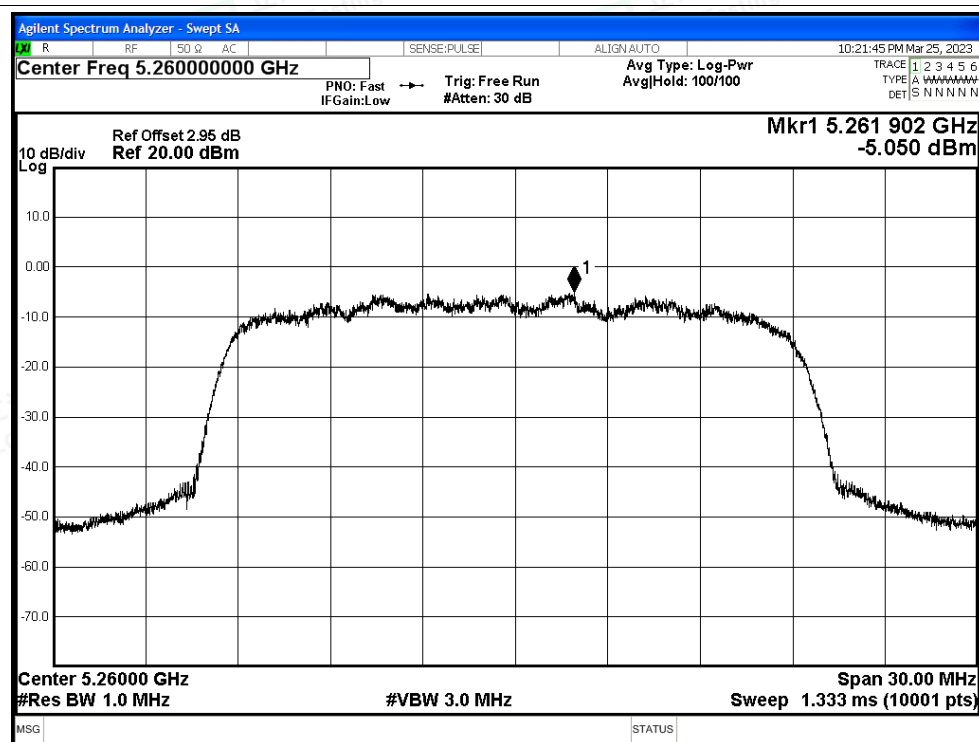


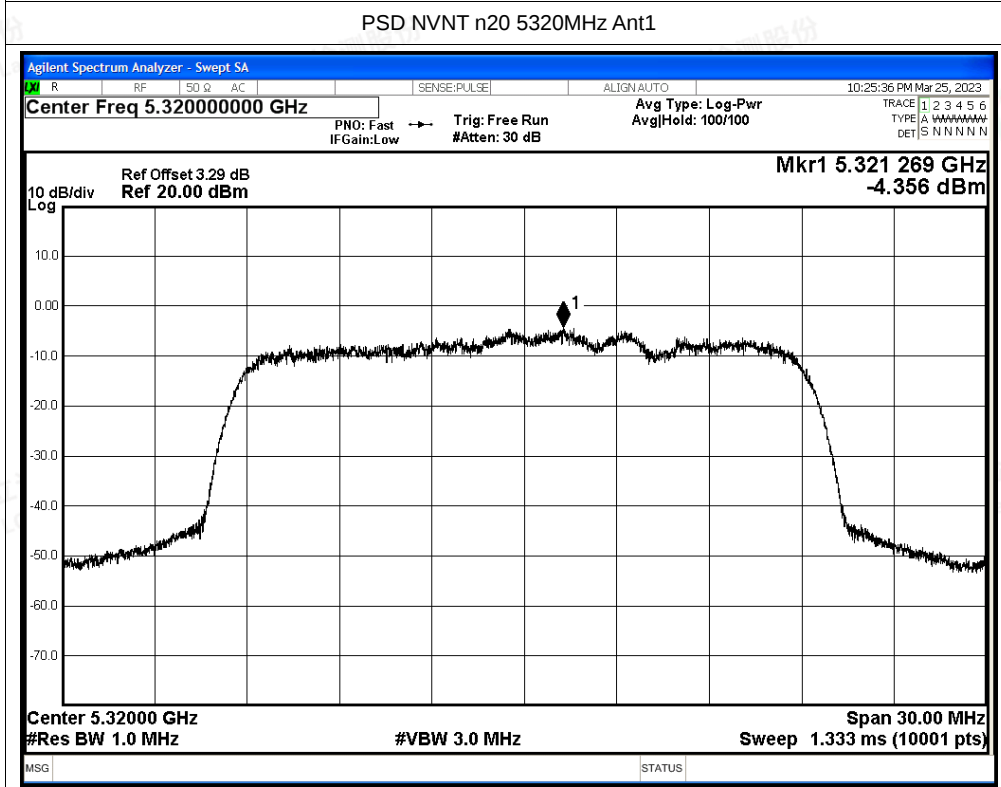
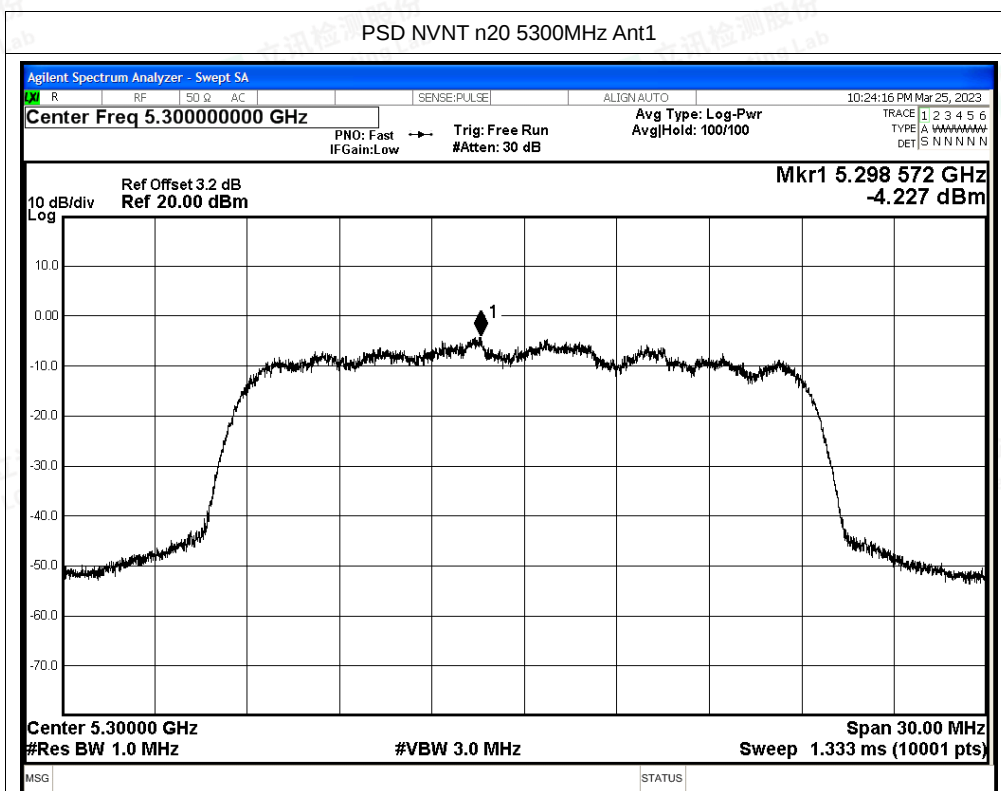


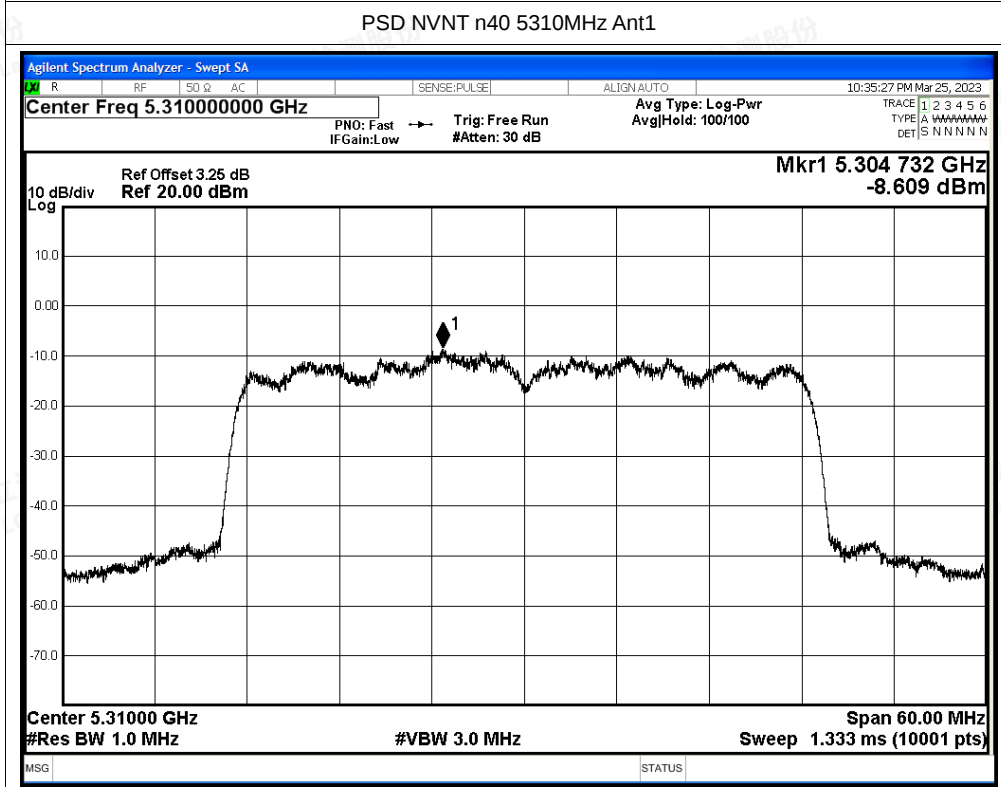
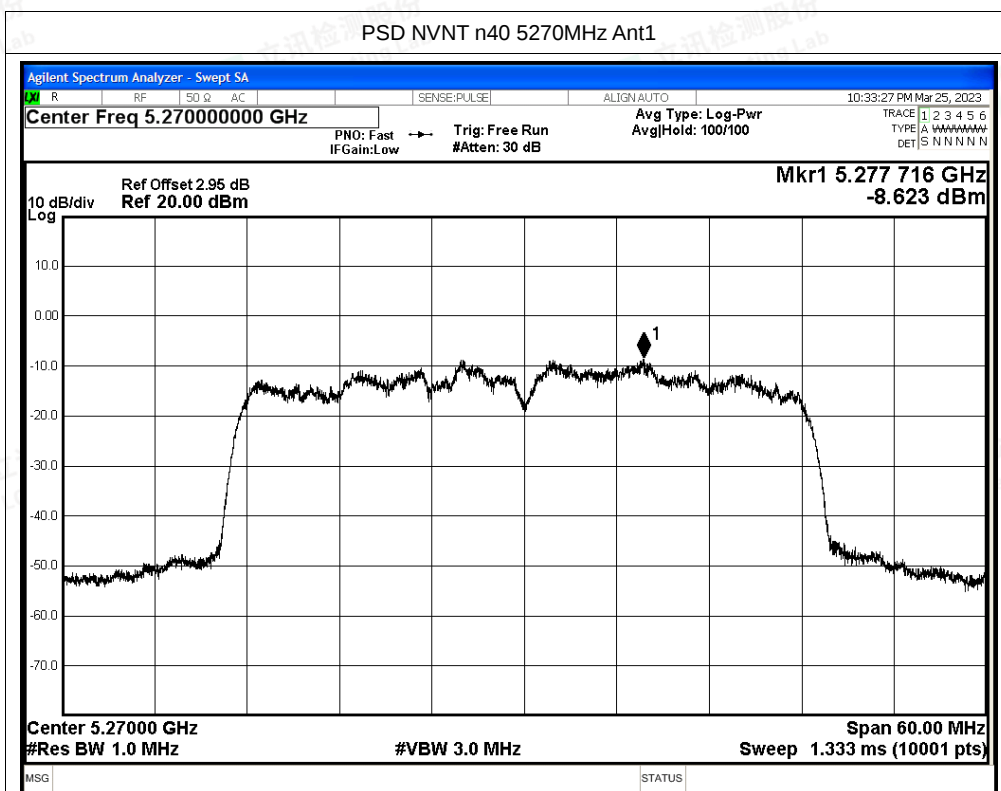
PSD NVNT a 5320MHz Ant1



PSD NVNT n20 5260MHz Ant1

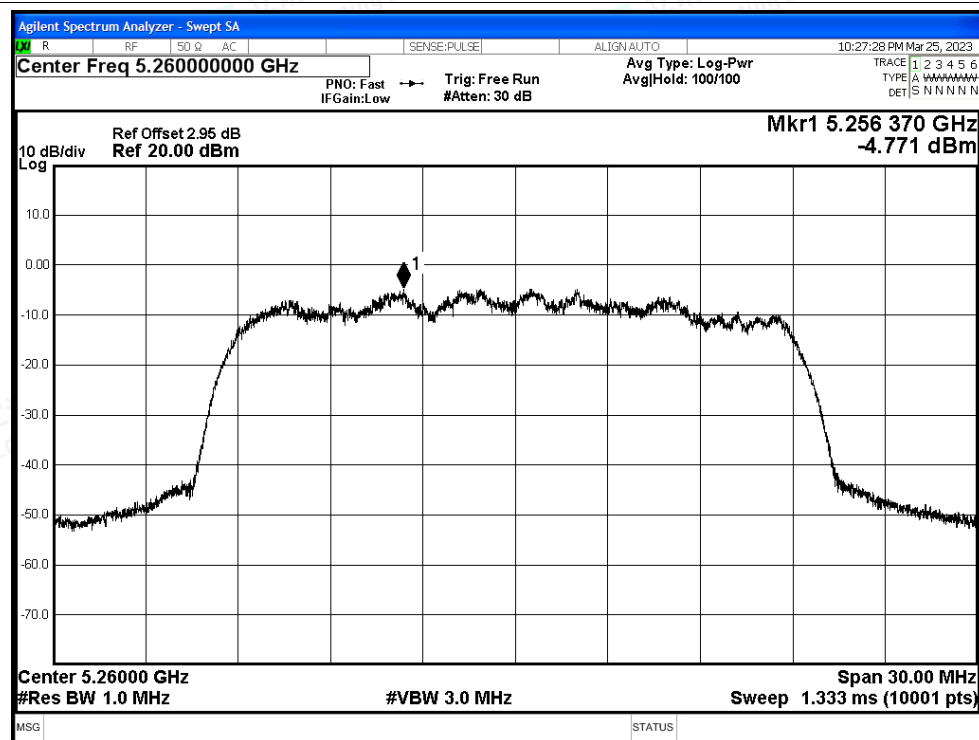




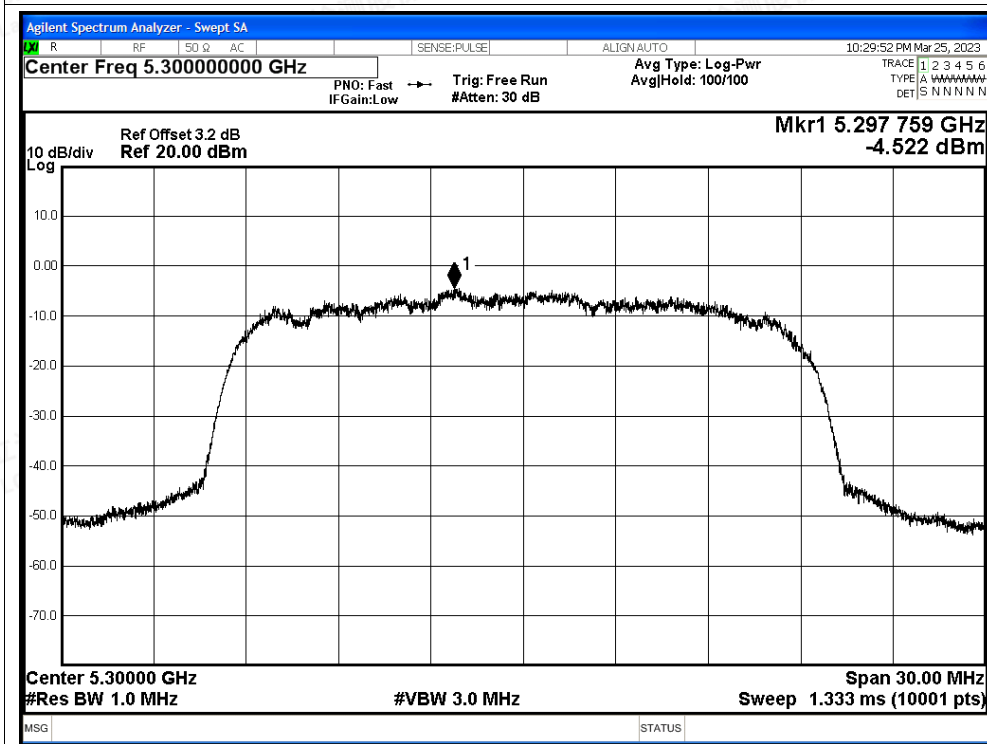


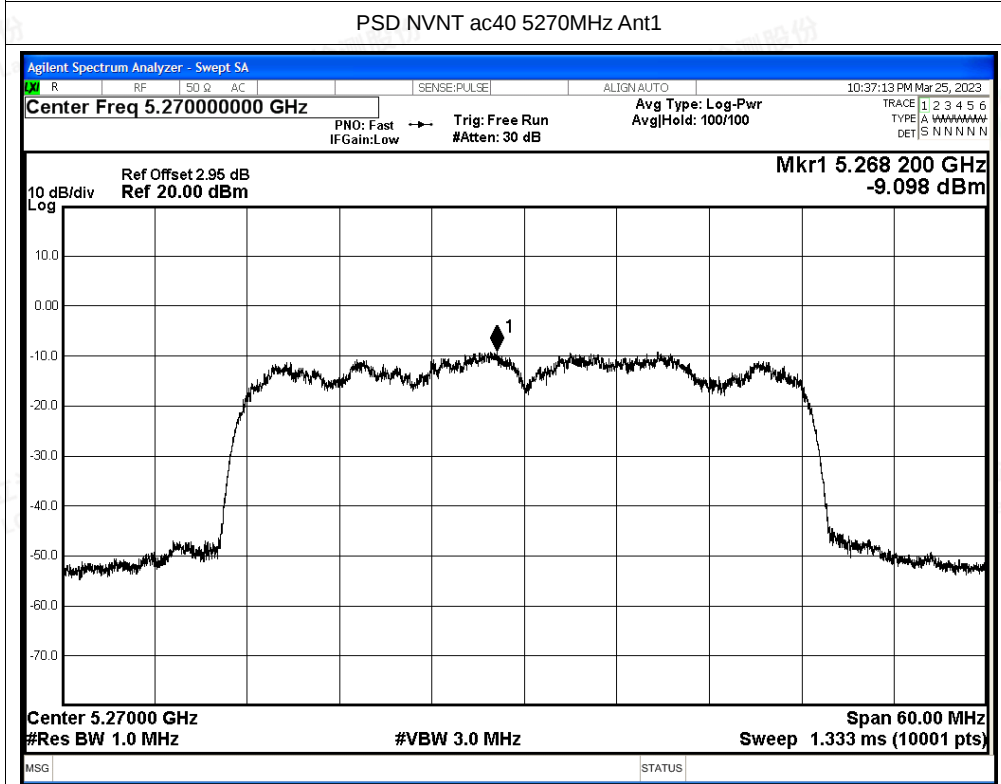
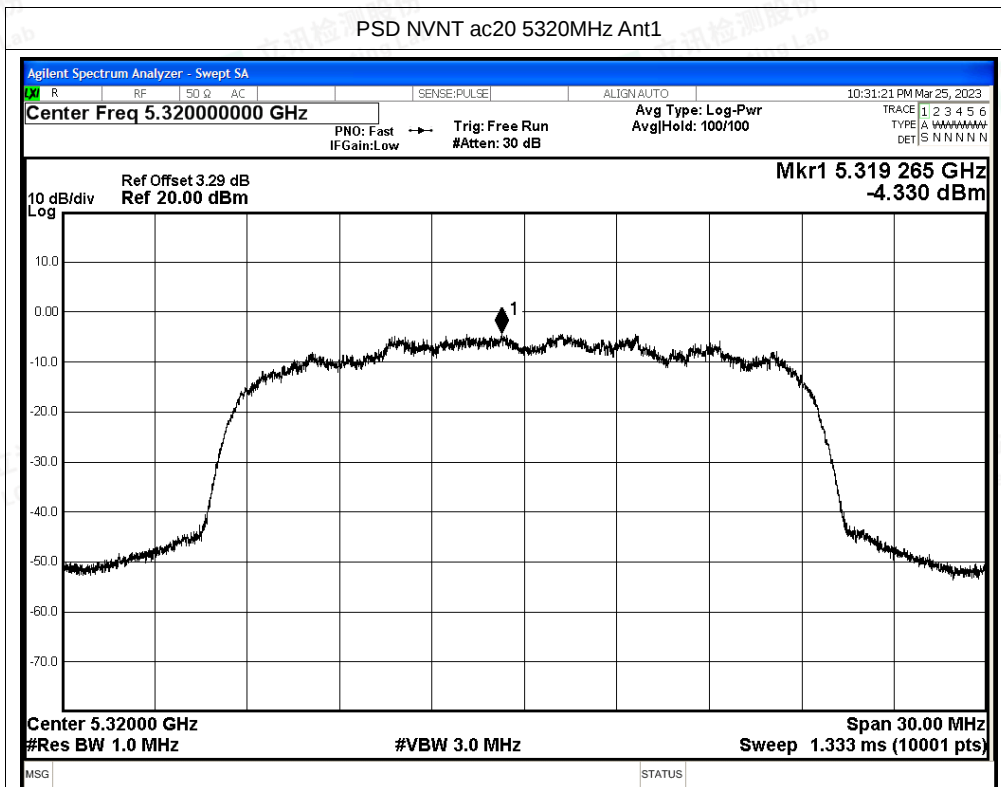


PSD NVNT ac20 5260MHz Ant1



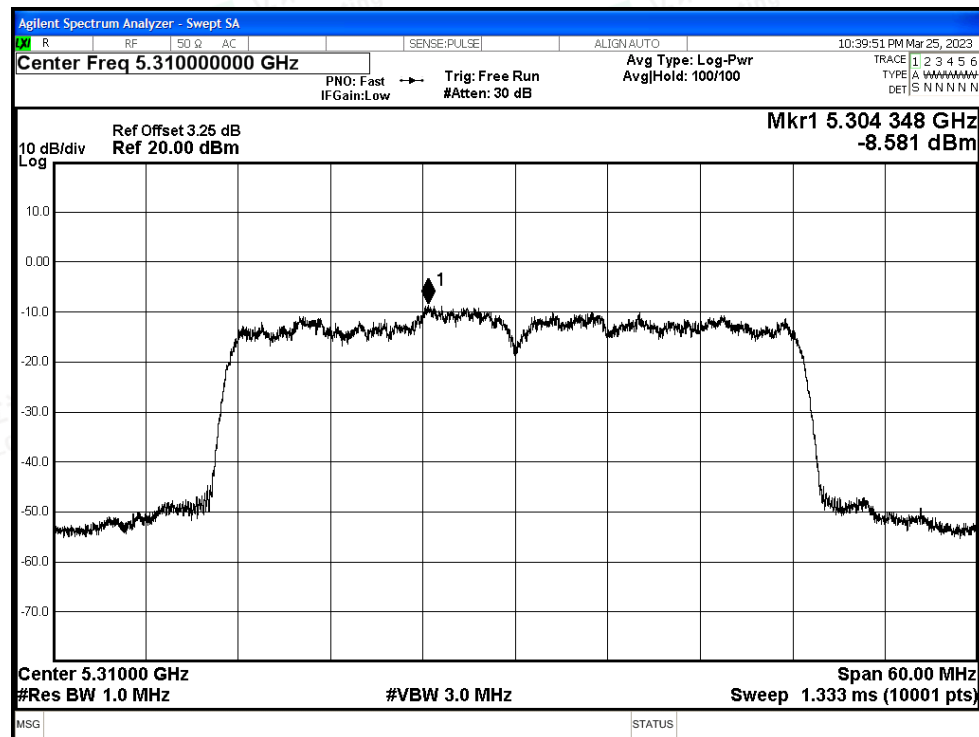
PSD NVNT ac20 5300MHz Ant1



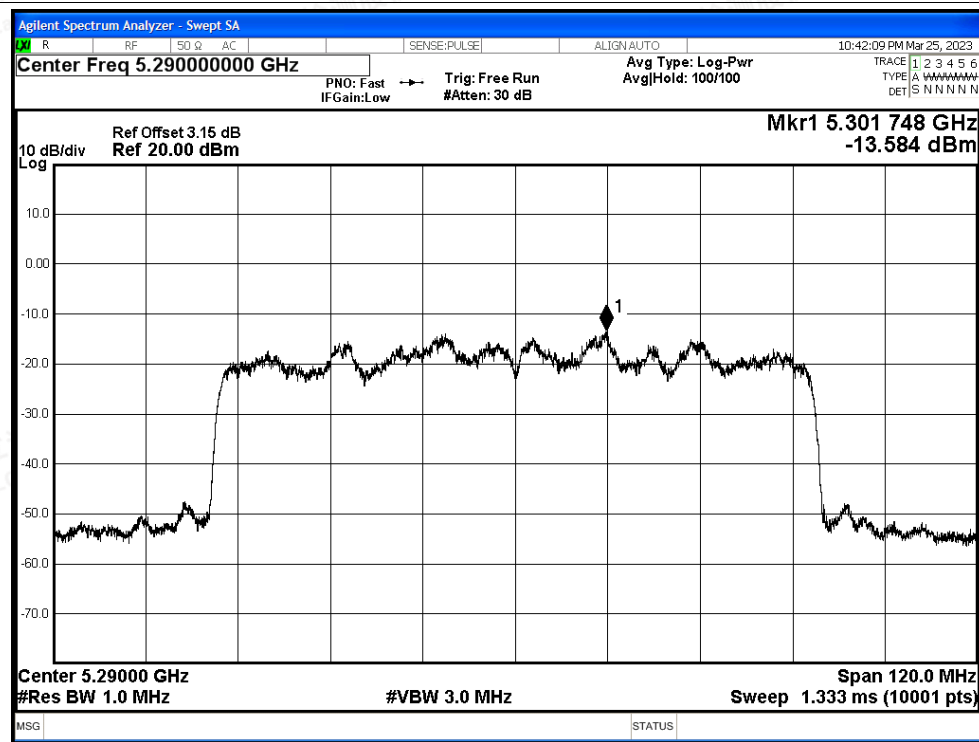




PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5290MHz Ant1





E.4 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a ant0	5260	4500	-51.35	3.8	47.68	Peak	68.2	Pass
NVNT	a ant0	5260	4500	-60.47	3.8	38.56	Average	54	Pass
NVNT	a ant0	5260	5141.16	-46.94	3.8	52.09	Peak	68.2	Pass
NVNT	a ant0	5260	5146.62	-57.82	3.8	41.21	Average	54	Pass
NVNT	a ant0	5260	5150	-48.63	3.8	50.40	Peak	68.2	Pass
NVNT	a ant0	5260	5150	-57.91	3.8	41.12	Average	54	Pass
NVNT	a ant0	5320	5350	-45.98	3.8	53.05	Peak	68.2	Pass
NVNT	a ant0	5320	5350	-55.36	3.8	43.67	Average	54	Pass
NVNT	a ant0	5320	5351.2	-43.7	3.8	55.33	Peak	68.2	Pass
NVNT	a ant0	5320	5350.2	-55.32	3.8	43.71	Average	54	Pass
NVNT	a ant0	5320	5460	-49.07	3.8	49.96	Peak	68.2	Pass
NVNT	a ant0	5320	5460	-58.44	3.8	40.59	Average	54	Pass
NVNT	n20 MIMO	5260	4500	-49.94	6.81	52.10	Peak	68.2	Pass
NVNT	n20 MIMO	5260	4500	-60.35	6.81	41.69	Average	54	Pass
NVNT	n20 MIMO	5260	5131.8	-46.37	6.81	55.67	Peak	68.2	Pass
NVNT	n20 MIMO	5260	5148.18	-57.71	6.81	44.33	Average	54	Pass
NVNT	n20 MIMO	5260	5150	-48.04	6.81	54.00	Peak	68.2	Pass
NVNT	n20 MIMO	5260	5150	-57.91	6.81	44.13	Average	54	Pass
NVNT	n20 MIMO	5320	5350	-46.08	6.81	55.96	Peak	68.2	Pass
NVNT	n20 MIMO	5320	5350	-55.8	6.81	46.24	Average	54	Pass
NVNT	n20 MIMO	5320	5352	-41.91	6.81	60.13	Peak	68.2	Pass
NVNT	n20 MIMO	5320	5460	-48.75	6.81	53.29	Peak	68.2	Pass
NVNT	n20 MIMO	5320	5460	-58.75	6.81	43.29	Average	54	Pass
NVNT	n40 MIMO	5270	4500	-51.86	6.81	50.18	Peak	68.2	Pass
NVNT	n40 MIMO	5270	4500	-60.19	6.81	41.85	Average	54	Pass
NVNT	n40 MIMO	5270	5095.35	-46.84	6.81	55.20	Peak	68.2	Pass
NVNT	n40 MIMO	5270	5149.62	-57.39	6.81	44.65	Average	54	Pass
NVNT	n40 MIMO	5270	5150	-48.48	6.81	53.56	Peak	68.2	Pass
NVNT	n40 MIMO	5270	5150	-57.39	6.81	44.65	Average	54	Pass
NVNT	n40 MIMO	5310	5350	-44.58	6.81	57.46	Peak	68.2	Pass
NVNT	n40 MIMO	5310	5350	-55.27	6.81	46.77	Average	54	Pass
NVNT	n40 MIMO	5310	5364.8	-41.38	6.81	60.66	Peak	68.2	Pass
NVNT	n40 MIMO	5310	5350.2	-54.95	6.81	47.09	Average	54	Pass
NVNT	n40 MIMO	5310	5460	-50.17	6.81	51.87	Peak	68.2	Pass
NVNT	n40 MIMO	5310	5460	-58.58	6.81	43.46	Average	54	Pass
NVNT	ac20 MIMO	5260	4500	-51.53	6.81	50.51	Peak	68.2	Pass
NVNT	ac20 MIMO	5260	4500	-60.36	6.81	41.68	Average	54	Pass



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Scan code to check authenticity



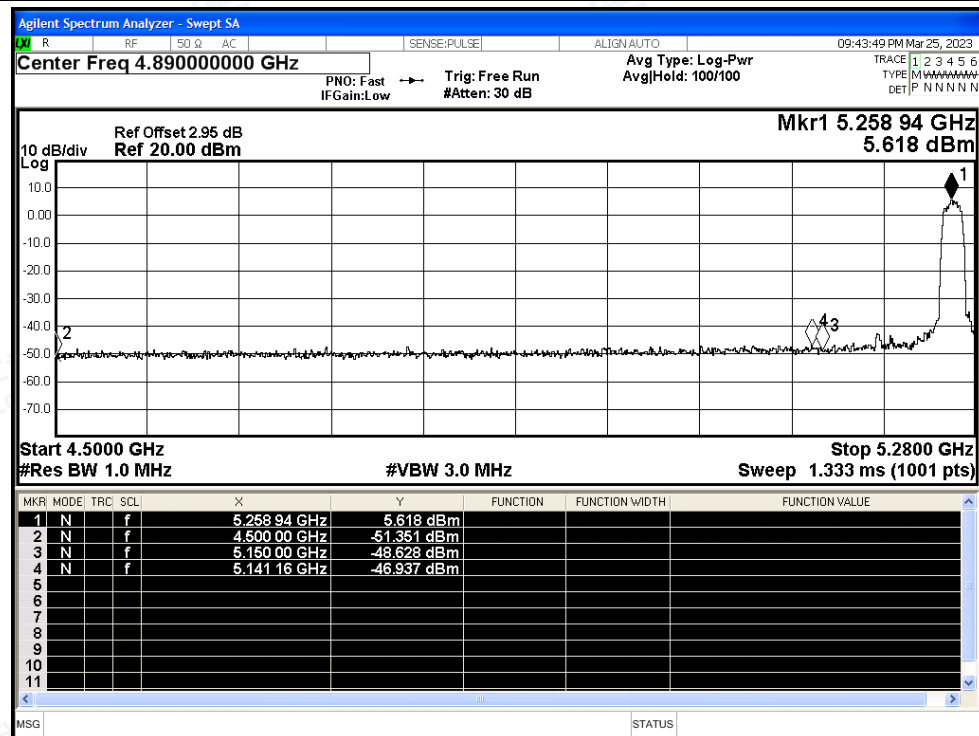
NVNT	ac20 MIMO	5260	5104.5	-46.45	6.81	55.59	Peak	68.2	Pass
NVNT	ac20 MIMO	5260	5148.18	-57.63	6.81	44.41	Average	54	Pass
NVNT	ac20 MIMO	5260	5150	-48.07	6.81	53.97	Peak	68.2	Pass
NVNT	ac20 MIMO	5260	5150	-57.84	6.81	44.20	Average	54	Pass
NVNT	ac20 MIMO	5320	5350	-46.04	6.81	56.00	Peak	68.2	Pass
NVNT	ac20 MIMO	5320	5350	-56.07	6.81	45.97	Average	54	Pass
NVNT	ac20 MIMO	5320	5353.6	-45.2	6.81	56.84	Peak	68.2	Pass
NVNT	ac20 MIMO	5320	5350.2	-56.06	6.81	45.98	Average	54	Pass
NVNT	ac20 MIMO	5320	5460	-49.42	6.81	52.62	Peak	68.2	Pass
NVNT	ac20 MIMO	5320	5460	-58.86	6.81	43.18	Average	54	Pass
NVNT	ac40 MIMO	5270	4500	-51.05	6.81	50.99	Peak	68.2	Pass
NVNT	ac40 MIMO	5270	4500	-60.03	6.81	42.01	Average	54	Pass
NVNT	ac40 MIMO	5270	5135.04	-46.88	6.81	55.16	Peak	68.2	Pass
NVNT	ac40 MIMO	5270	5110.74	-57.38	6.81	44.66	Average	54	Pass
NVNT	ac40 MIMO	5270	5150	-48.41	6.81	53.63	Peak	68.2	Pass
NVNT	ac40 MIMO	5270	5150	-57.57	6.81	44.47	Average	54	Pass
NVNT	ac40 MIMO	5310	5350	-45.82	6.81	56.22	Peak	68.2	Pass
NVNT	ac40 MIMO	5310	5350	-55.13	6.81	46.91	Average	54	Pass
NVNT	ac40 MIMO	5310	5362.4	-44.14	6.81	57.90	Peak	68.2	Pass
NVNT	ac40 MIMO	5310	5350.2	-54.98	6.81	47.06	Average	54	Pass
NVNT	ac40 MIMO	5310	5460	-48.17	6.81	53.87	Peak	68.2	Pass
NVNT	ac40 MIMO	5310	5460	-58.6	6.81	43.44	Average	54	Pass
NVNT	ac80 MIMO	5290	4500	-51.4	6.81	50.64	Peak	68.2	Pass
NVNT	ac80 MIMO	5290	4500	-59.47	6.81	42.57	Average	54	Pass
NVNT	ac80 MIMO	5290	5132.49	-45.69	6.81	56.35	Peak	68.2	Pass
NVNT	ac80 MIMO	5290	5140.32	-56.84	6.81	45.20	Average	54	Pass
NVNT	ac80 MIMO	5290	5150	-48.53	6.81	53.51	Peak	68.2	Pass
NVNT	ac80 MIMO	5290	5150	-57.15	6.81	44.89	Average	54	Pass
NVNT	ac80 MIMO	5290	5350	-42.79	6.81	59.25	Peak	68.2	Pass
NVNT	ac80 MIMO	5290	5350	-51.87	6.81	50.17	Average	54	Pass
NVNT	ac80 MIMO	5290	5352.75	-40.73	6.81	61.31	Peak	68.2	Pass
NVNT	ac80 MIMO	5290	5350.25	-51.62	6.81	50.42	Average	54	Pass
NVNT	ac80 MIMO	5290	5460	-50.05	6.81	51.99	Peak	68.2	Pass
NVNT	ac80 MIMO	5290	5460	-58.3	6.81	43.74	Average	54	Pass



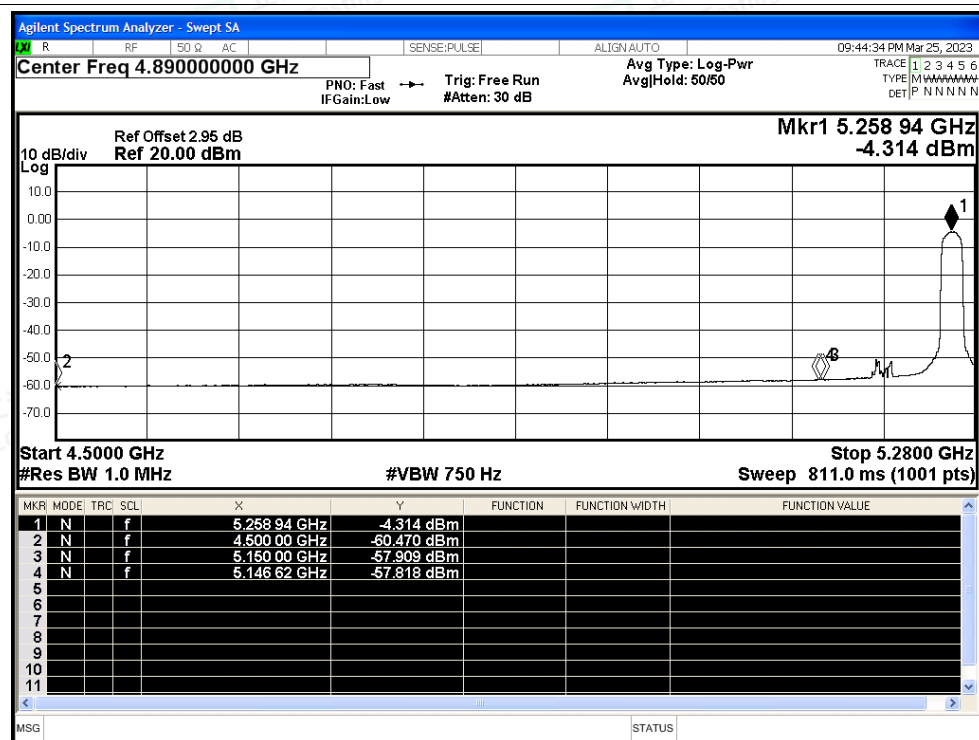


Test Graphs

Restrict Band NVNT a 5260MHz Ant0 Peak

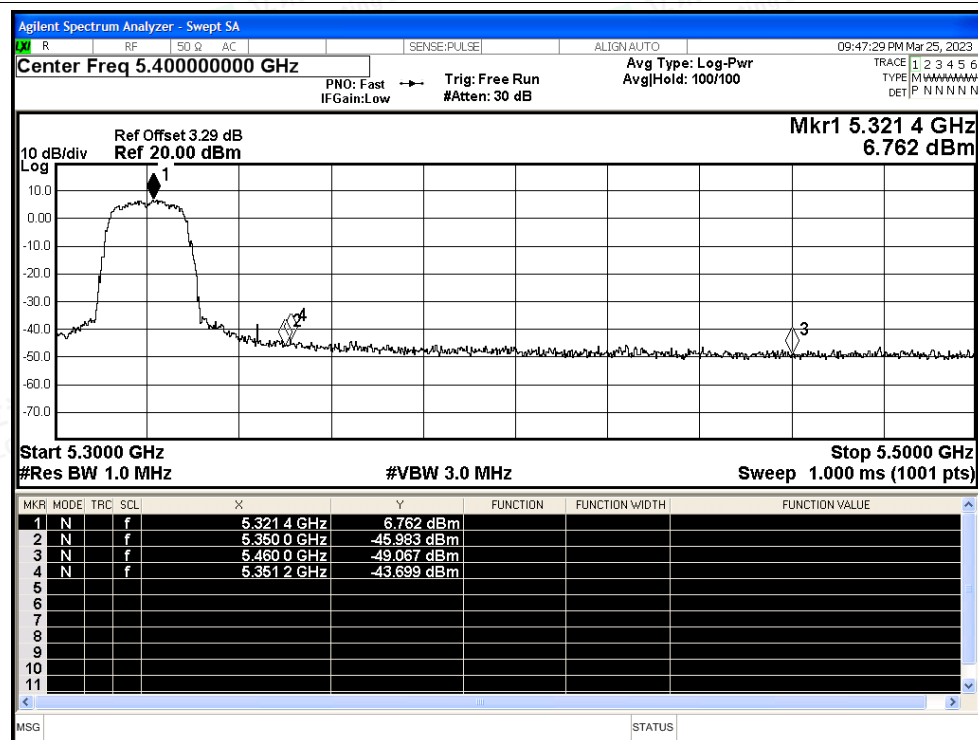


Restrict Band NVNT a 5260MHz Ant0 Average

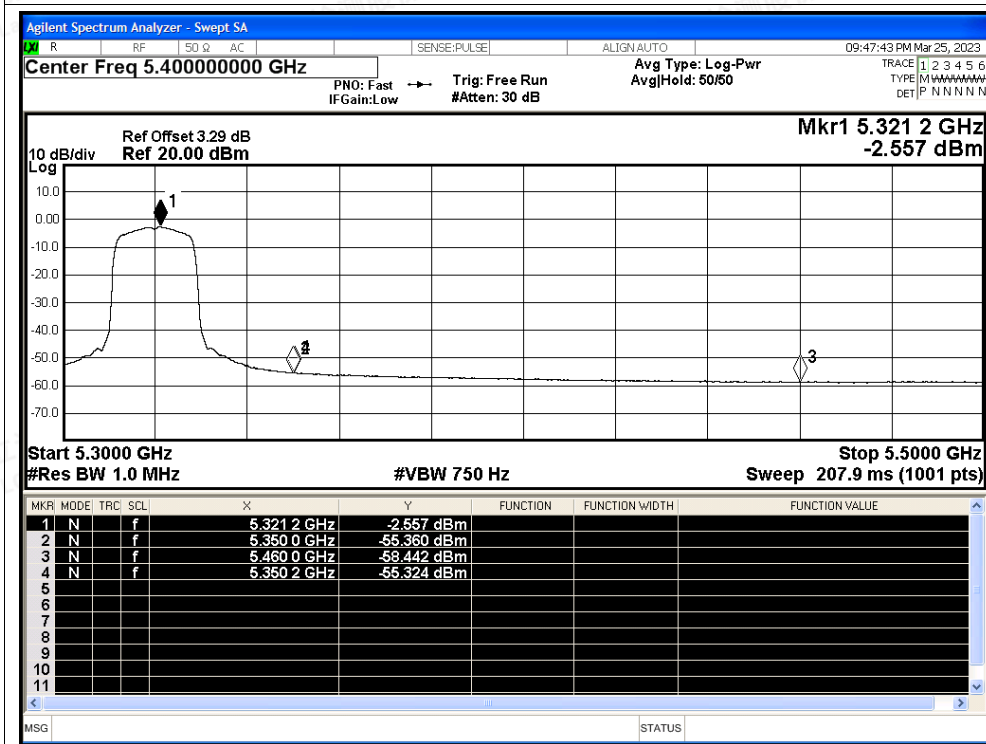




Restrict Band NVNT a 5320MHz Ant0 Peak

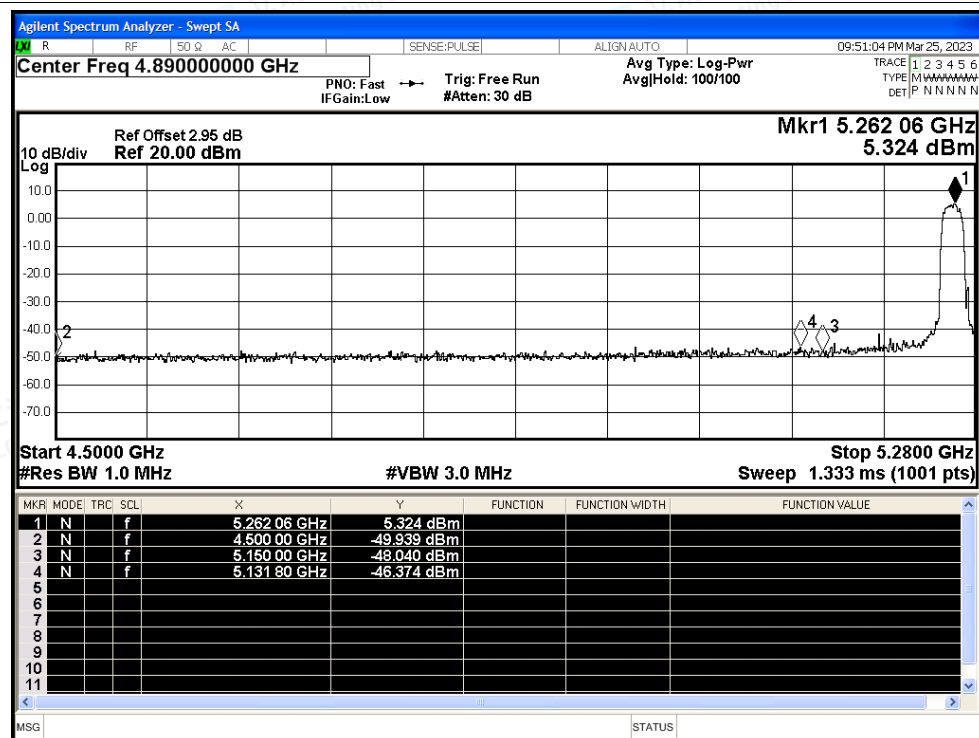


Restrict Band NVNT a 5320MHz Ant0 Average

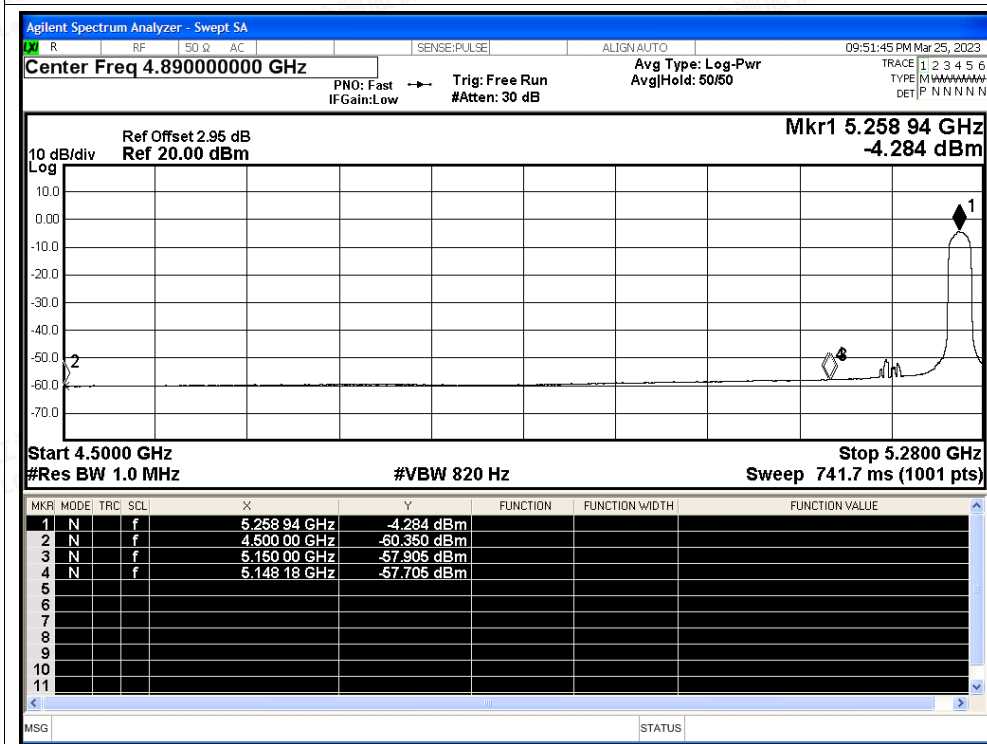




Restrict Band NVNT n20 5260MHz MIMO Peak

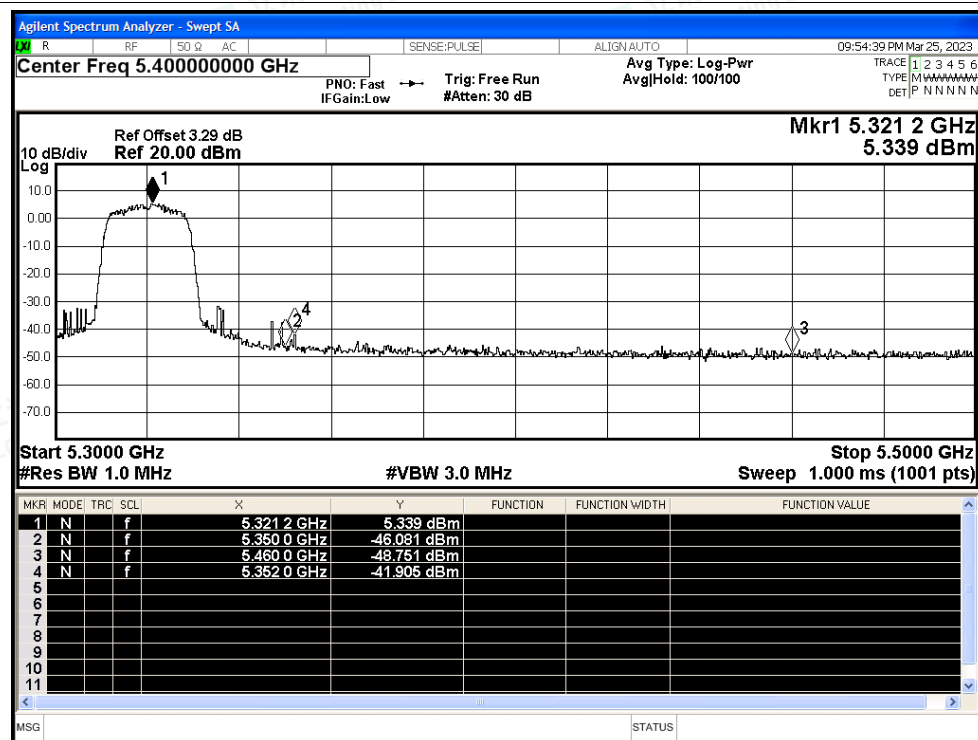


Restrict Band NVNT n20 5260MHz MIMO Average

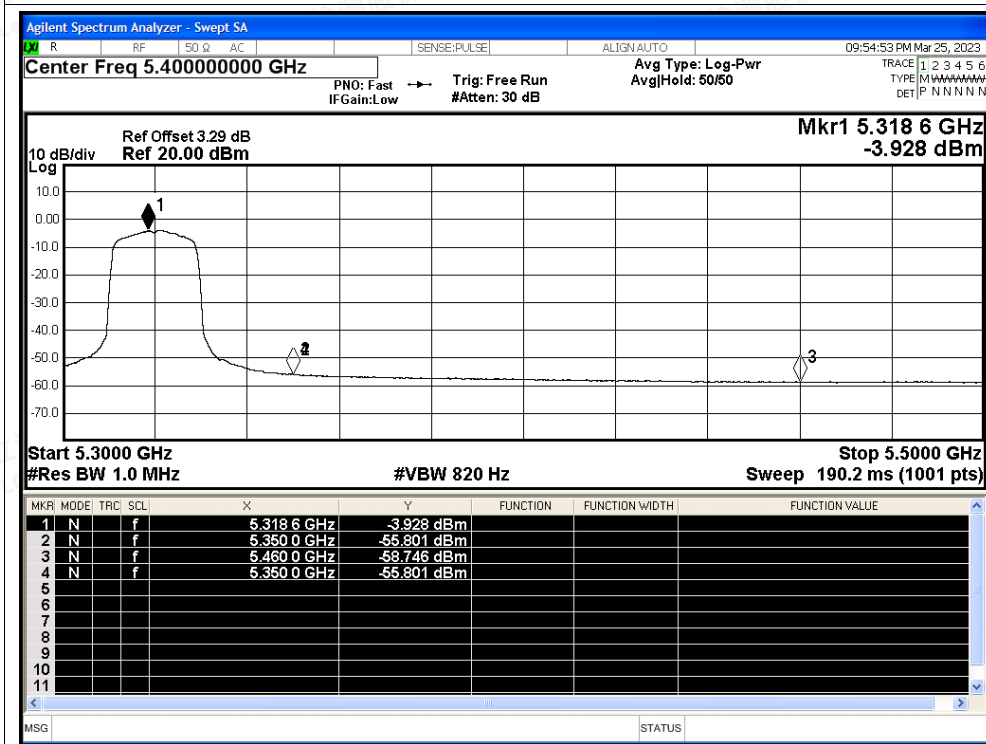




Restrict Band NVNT n20 5320MHz MIMO Peak

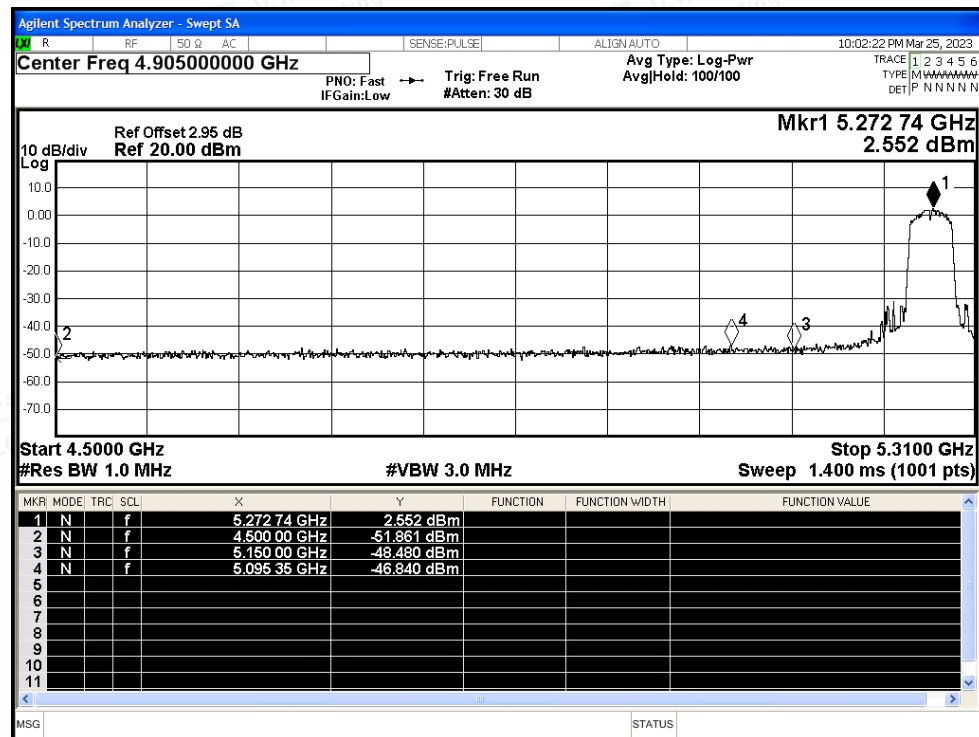


Restrict Band NVNT n20 5320MHz MIMO Average

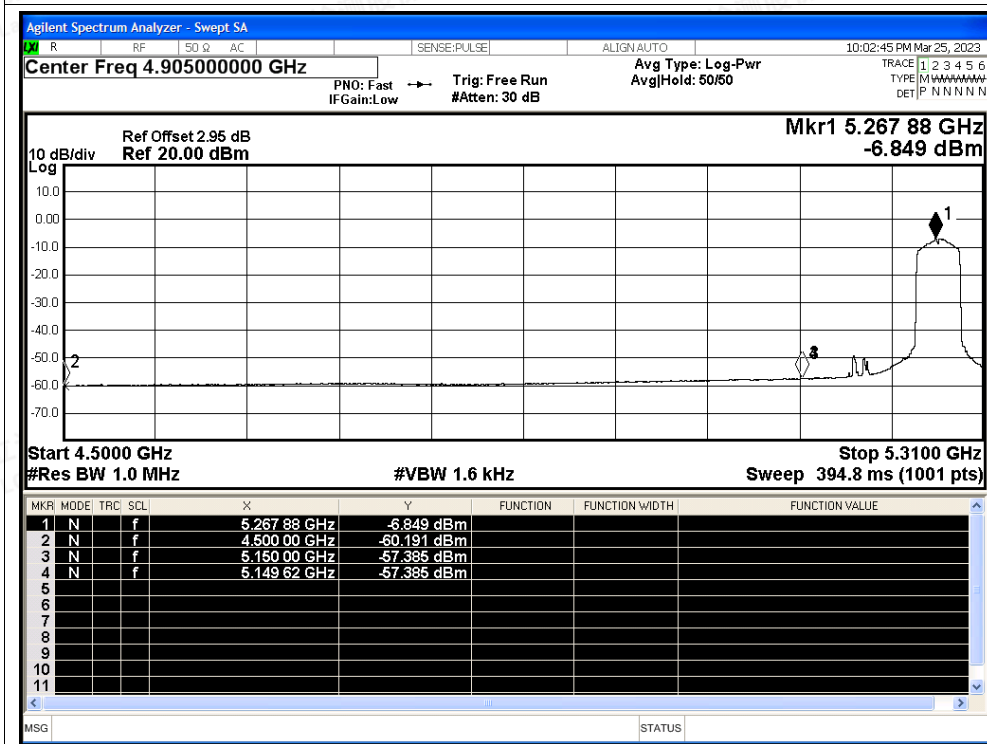




Restrict Band NVNT n40 5270MHz MIMO Peak

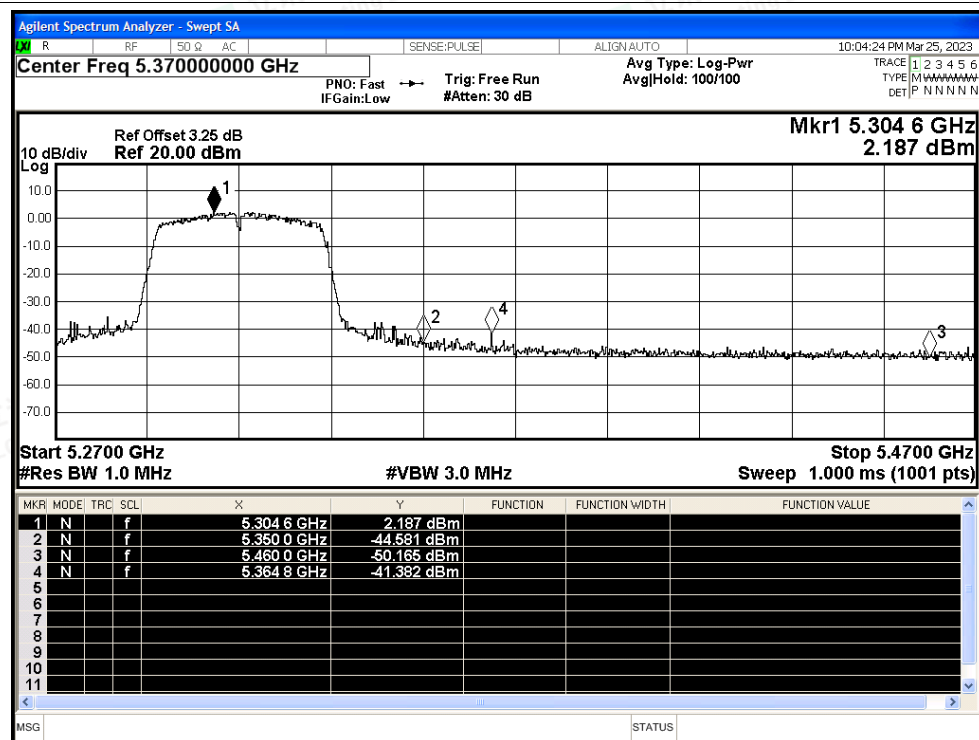


Restrict Band NVNT n40 5270MHz MIMO Average

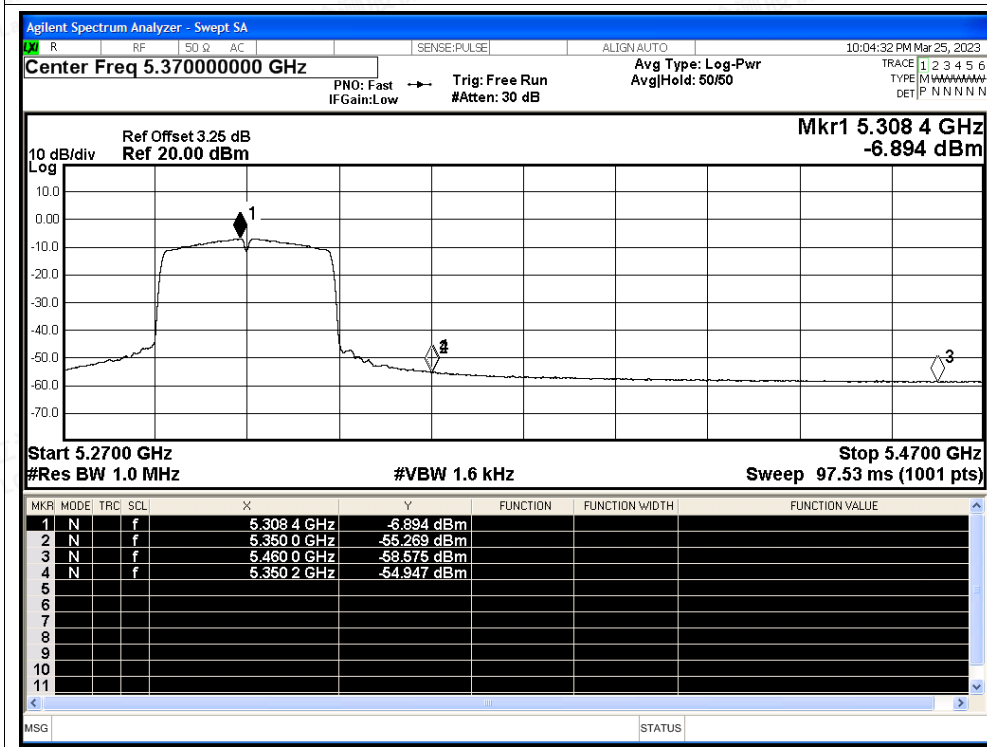




Restrict Band NVNT n40 5310MHz MIMO Peak

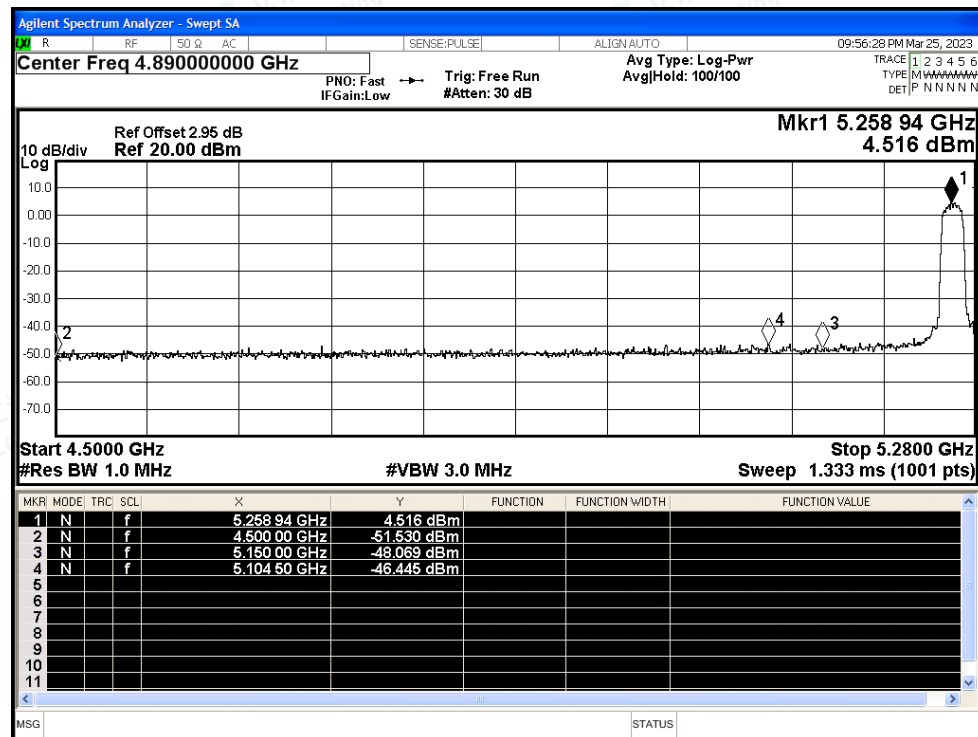


Restrict Band NVNT n40 5310MHz MIMO Average

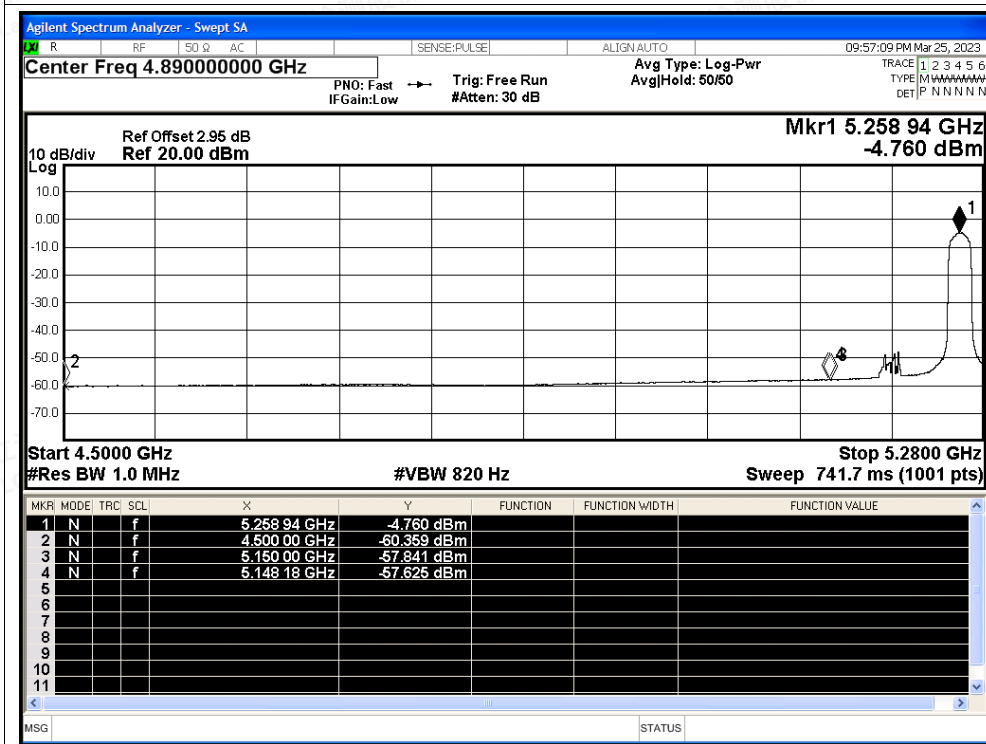




Restrict Band NVNT ac20 5260MHz MIMO Peak

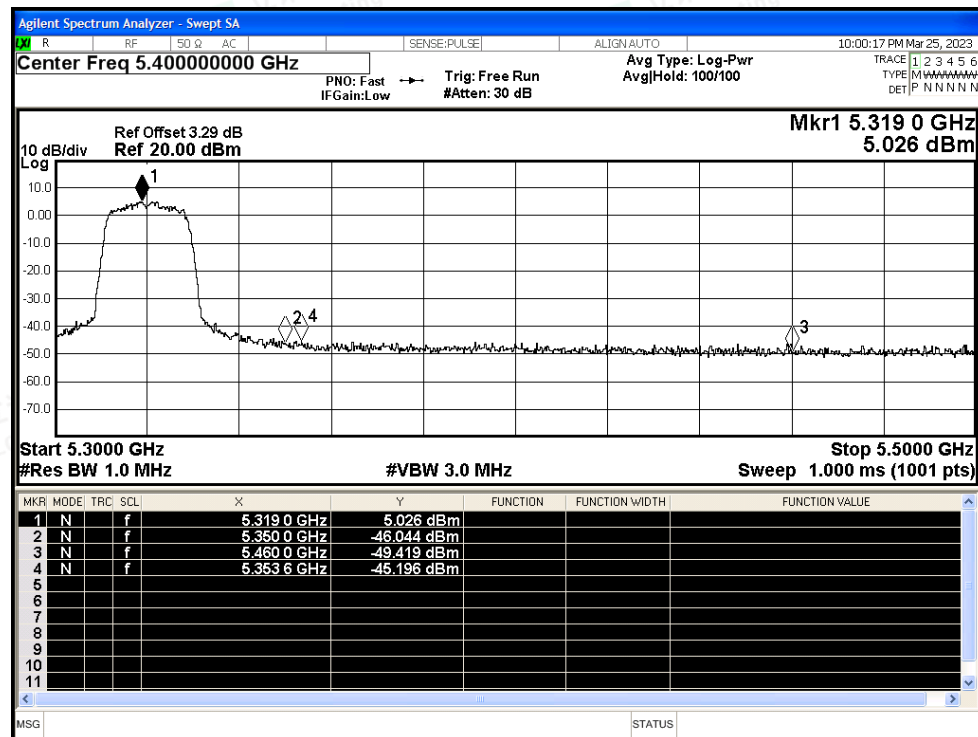


Restrict Band NVNT ac20 5260MHz MIMO Average

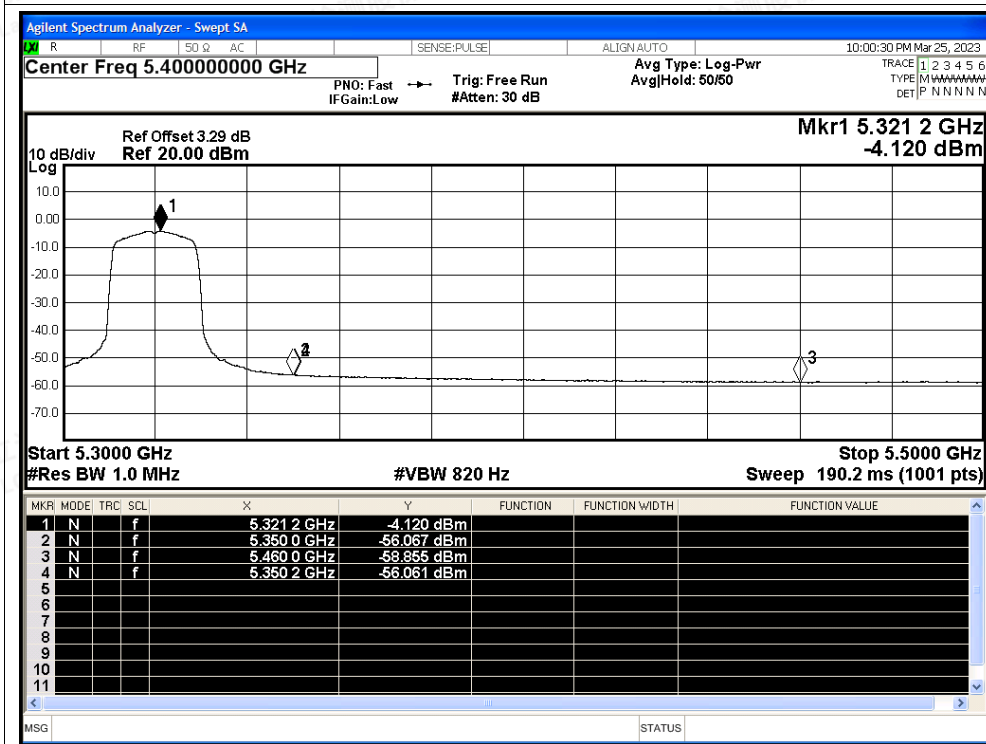




Restrict Band NVNT ac20 5320MHz MIMO Peak

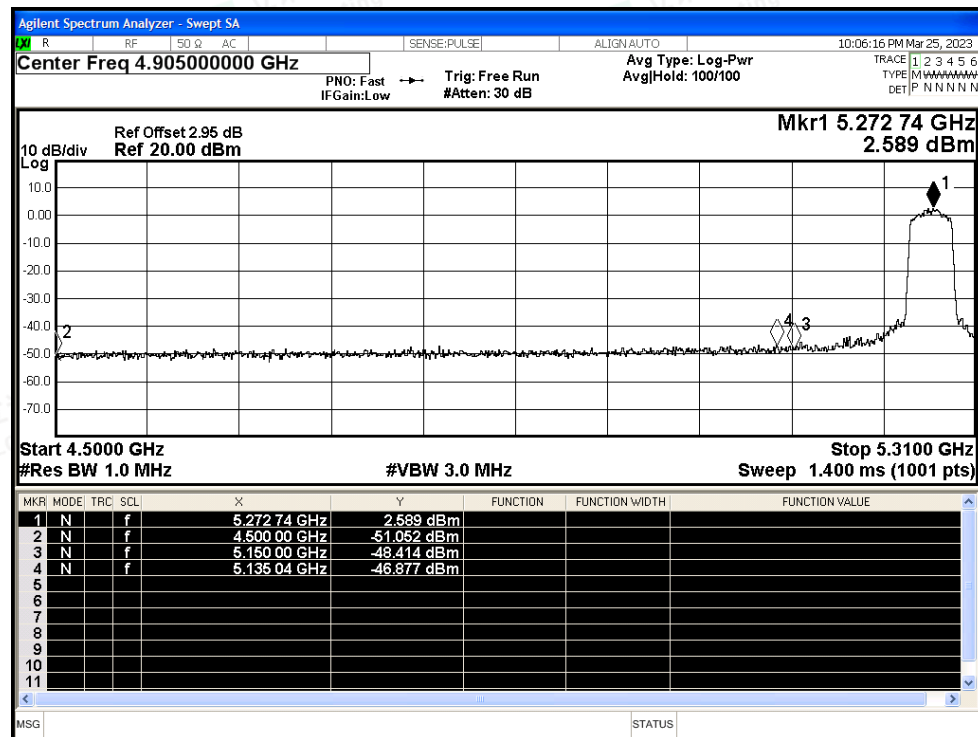


Restrict Band NVNT ac20 5320MHz MIMO Average

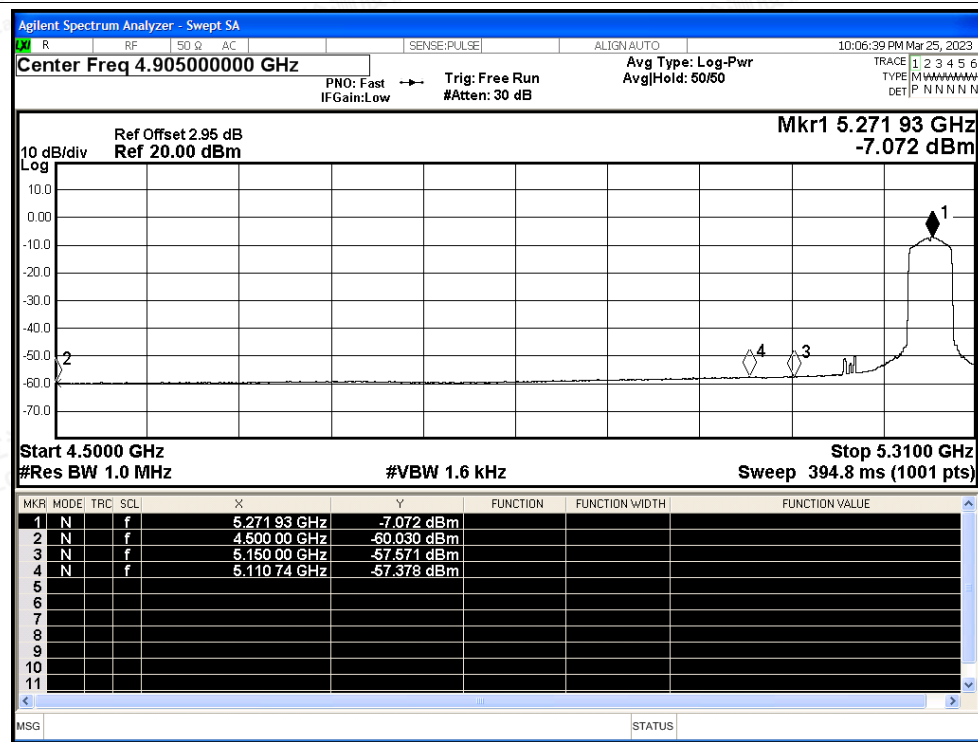




Restrict Band NVNT ac40 5270MHz MIMO Peak

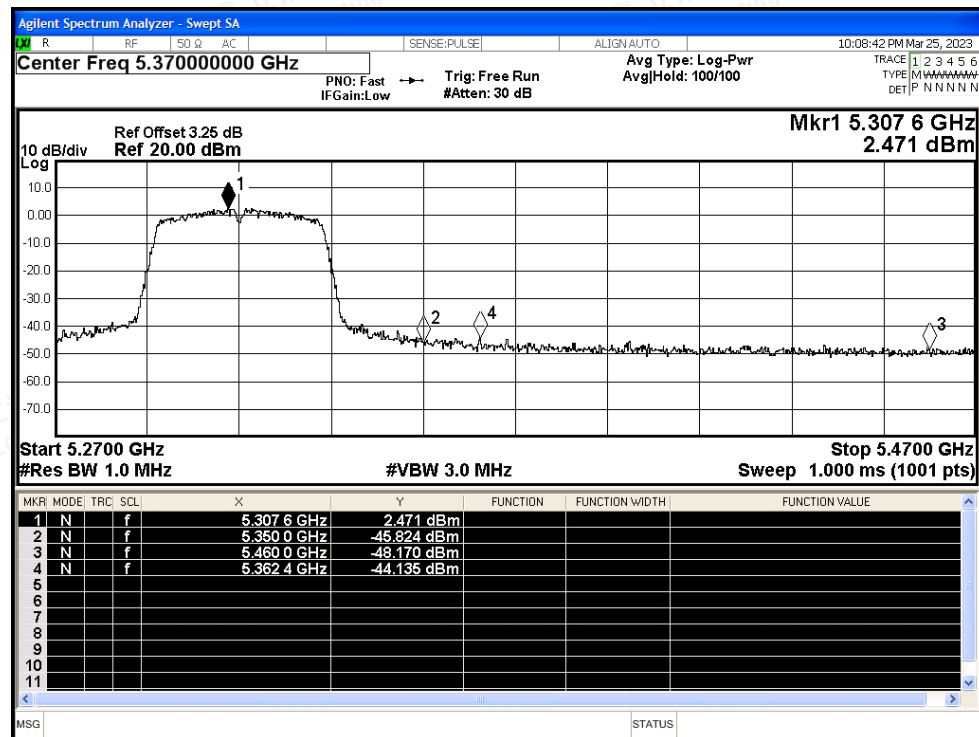


Restrict Band NVNT ac40 5270MHz MIMO Average

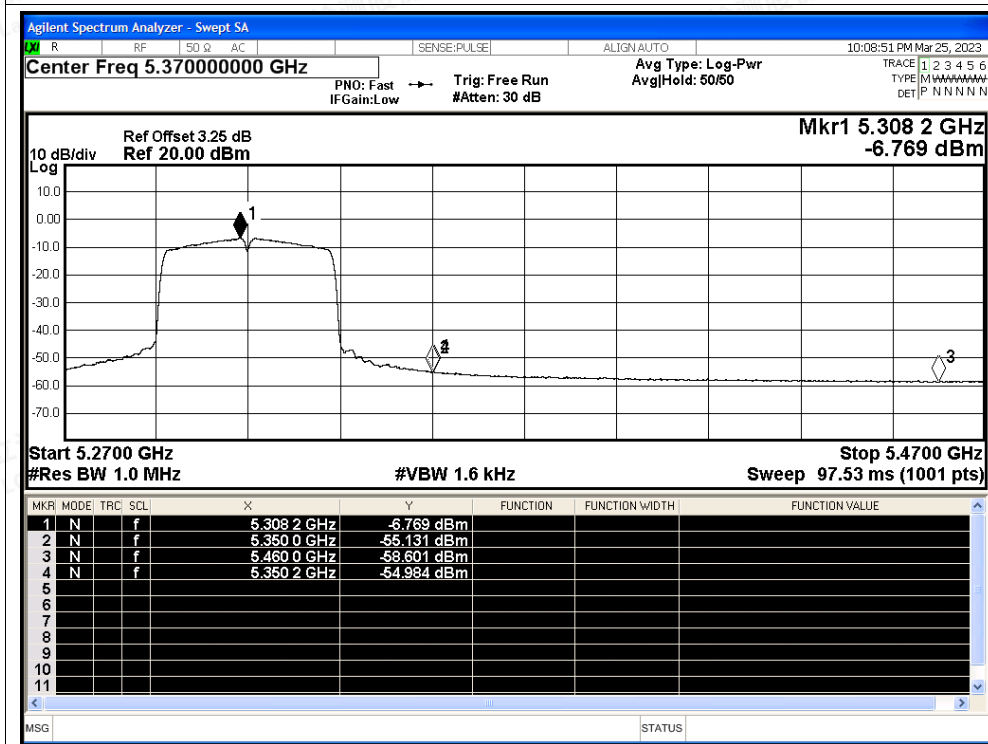




Restrict Band NVNT ac40 5310MHz MIMO Peak

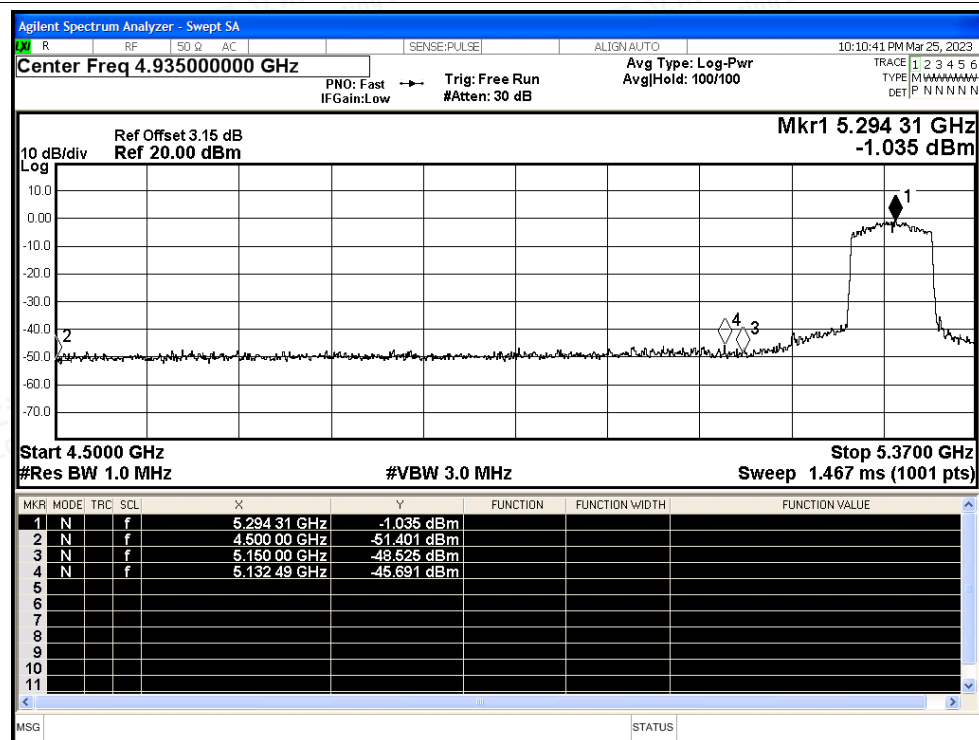


Restrict Band NVNT ac40 5310MHz MIMO Average

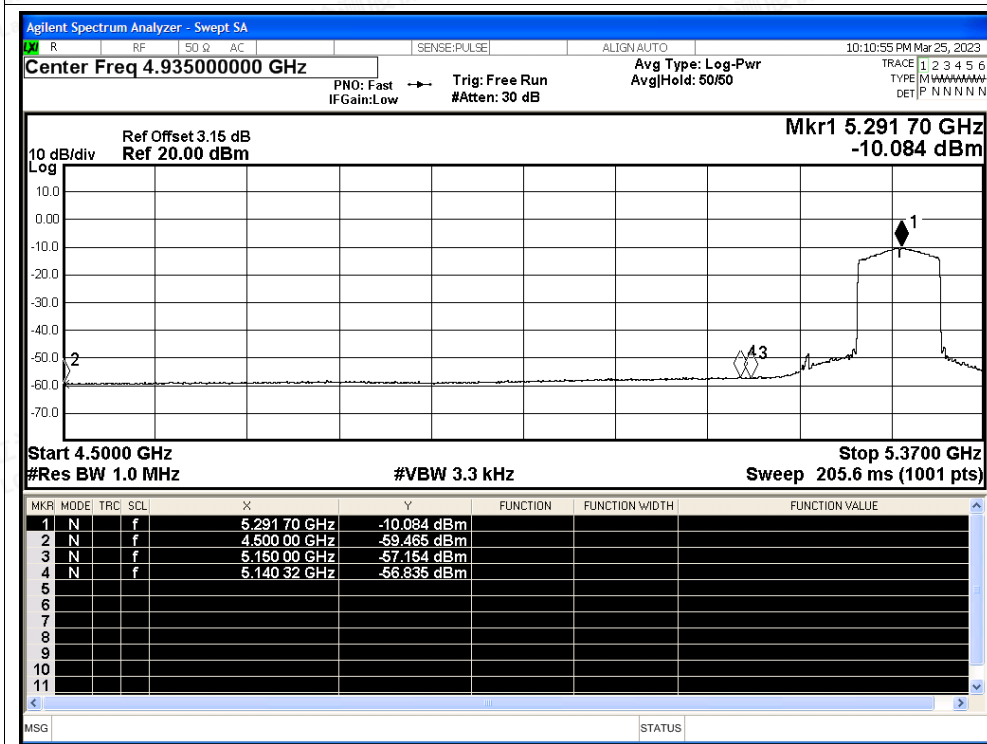




Restrict Band NVNT ac80 5290MHz MIMO Peak



Restrict Band NVNT ac80 5290MHz MIMO Average



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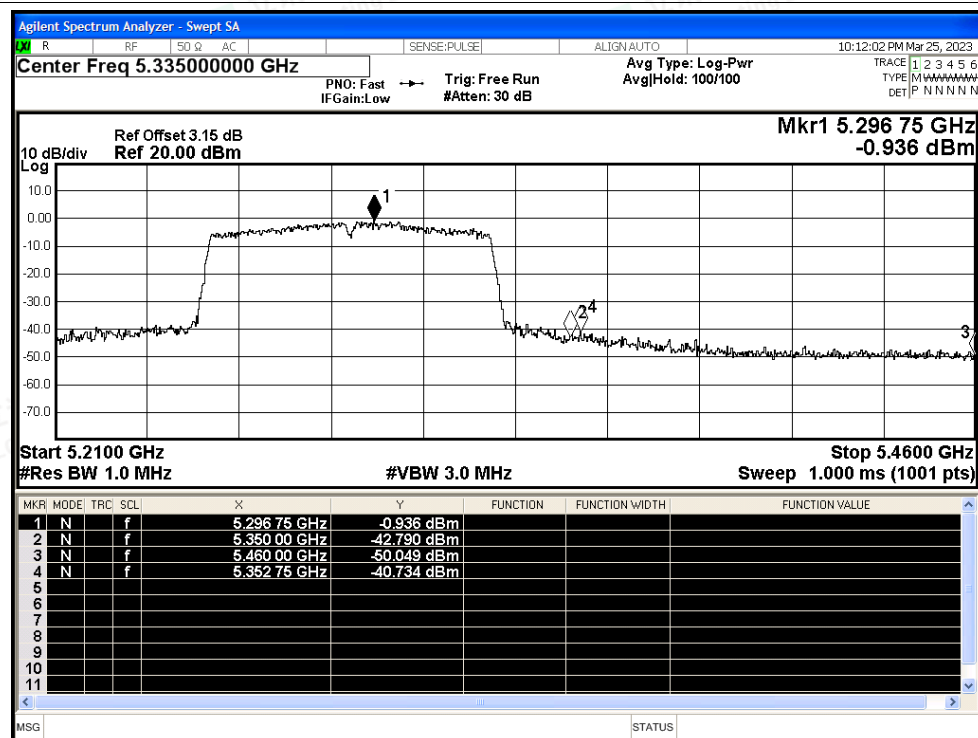
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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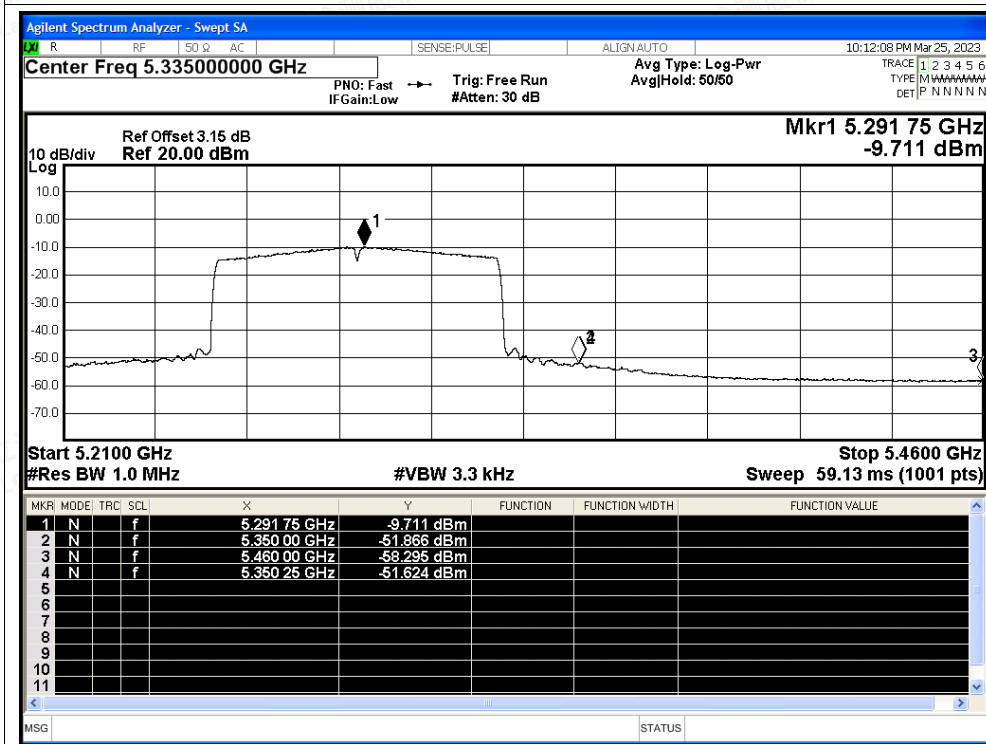
Scan code to check authenticity



Restrict Band NVNT ac80 5290MHz MIMO Peak



Restrict Band NVNT ac80 5290MHz MIMO Average





E.5 Frequency Stability

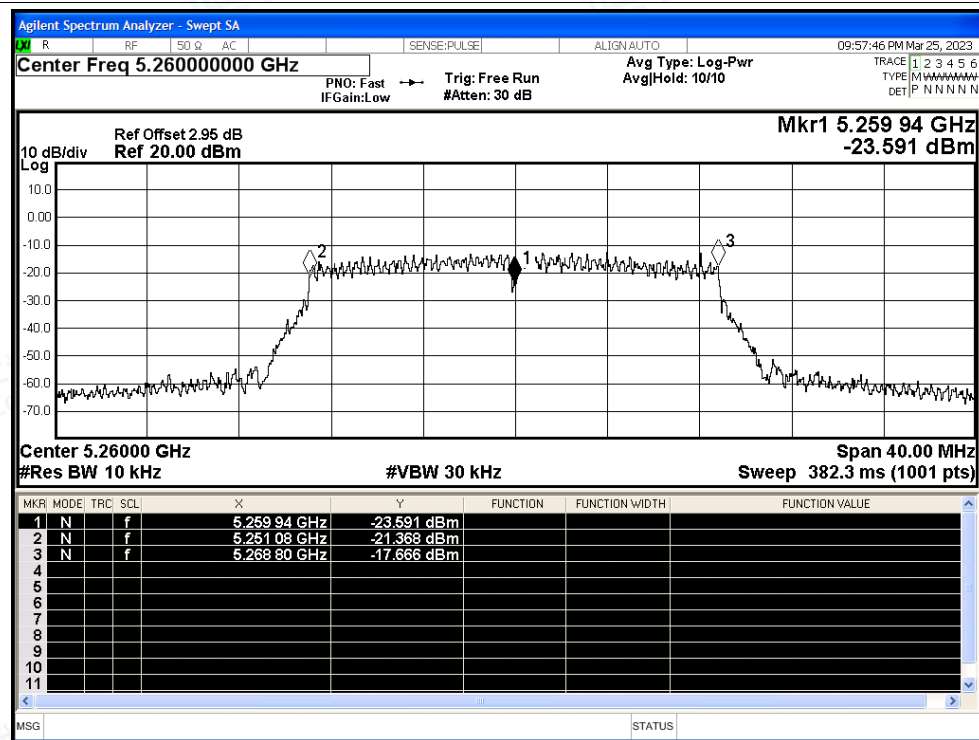
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5260	Ant0	5259.94	-60000	-11.41	25	Pass
NVNT	ac20	5300	Ant0	5299.96	-40000	-7.55	25	Pass
NVNT	ac20	5320	Ant0	5319.98	-20000	-3.76	25	Pass
NVNT	ac40	5270	Ant0	5270	0	0	25	Pass
NVNT	ac40	5310	Ant0	5309.96	-40000	-7.53	25	Pass
NVNT	ac80	5290	Ant0	5290.08	80000	15.12	25	Pass



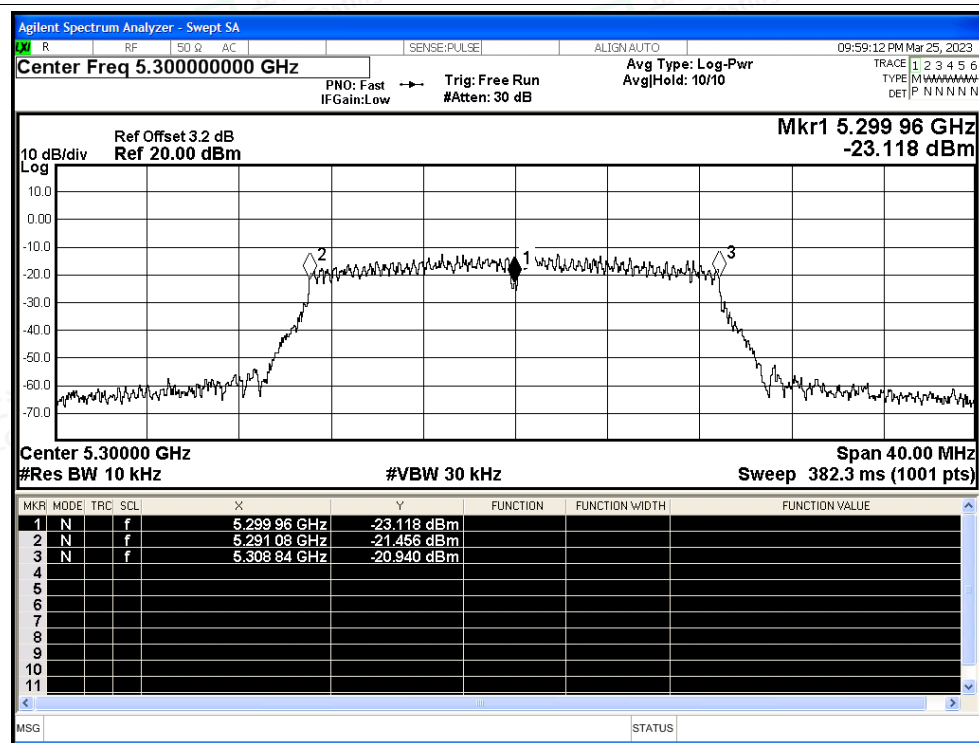


Test Graphs

Freq. Stability NVNT ac20 5260MHz Ant0

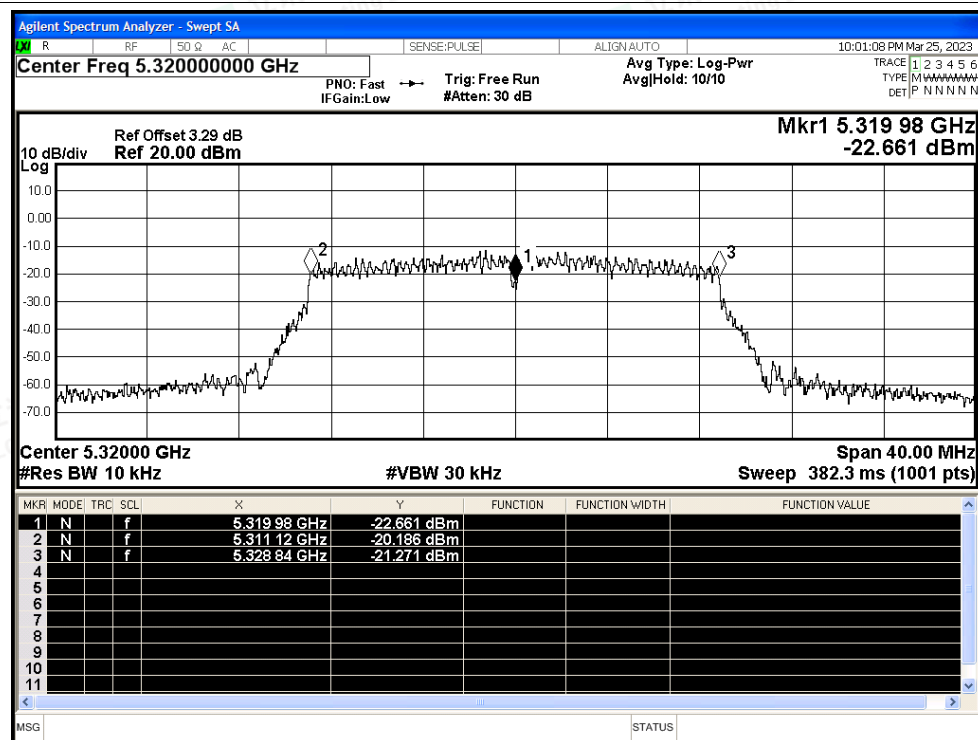


Freq. Stability NVNT ac20 5300MHz Ant0

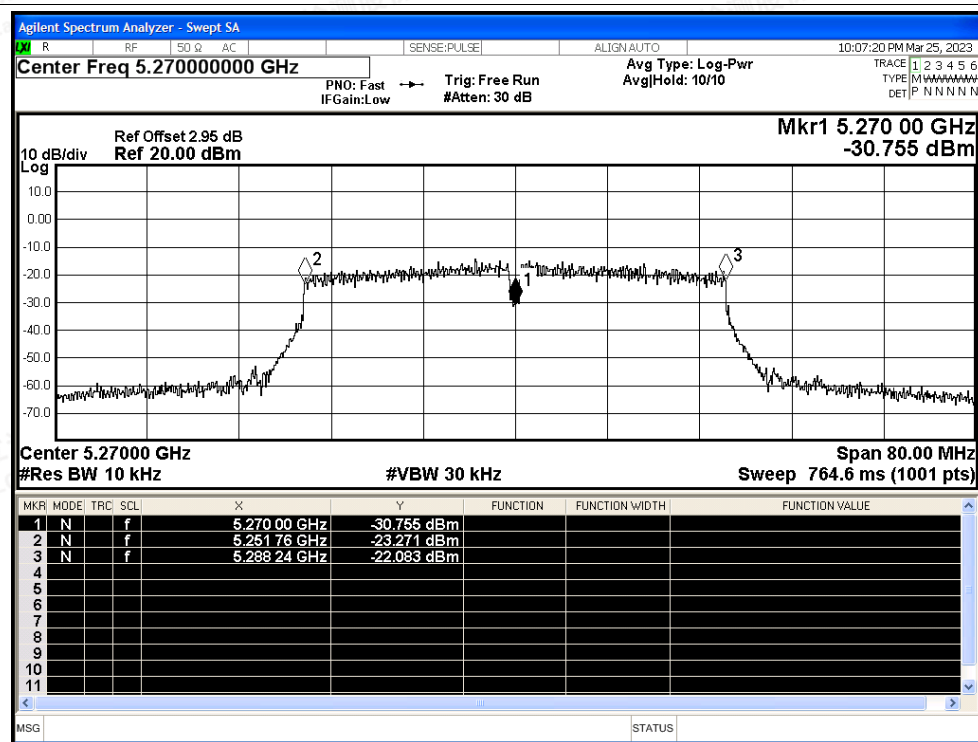




Freq. Stability NVNT ac20 5320MHz Ant0

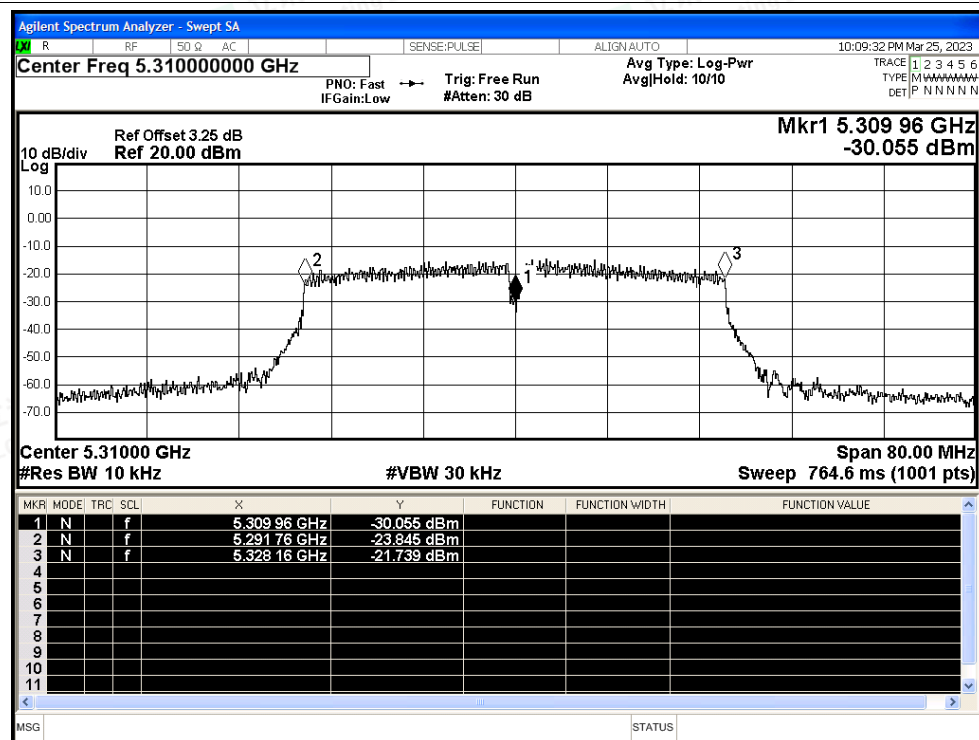


Freq. Stability NVNT ac40 5270MHz Ant0

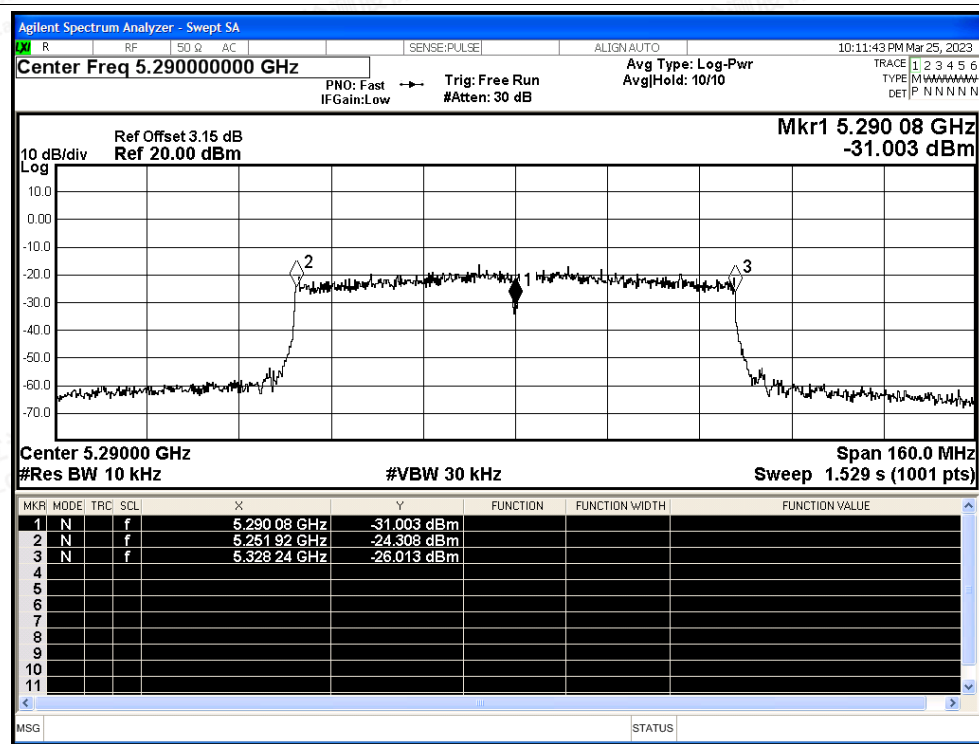




Freq. Stability NVNT ac40 5310MHz Ant0



Freq. Stability NVNT ac80 5290MHz Ant0





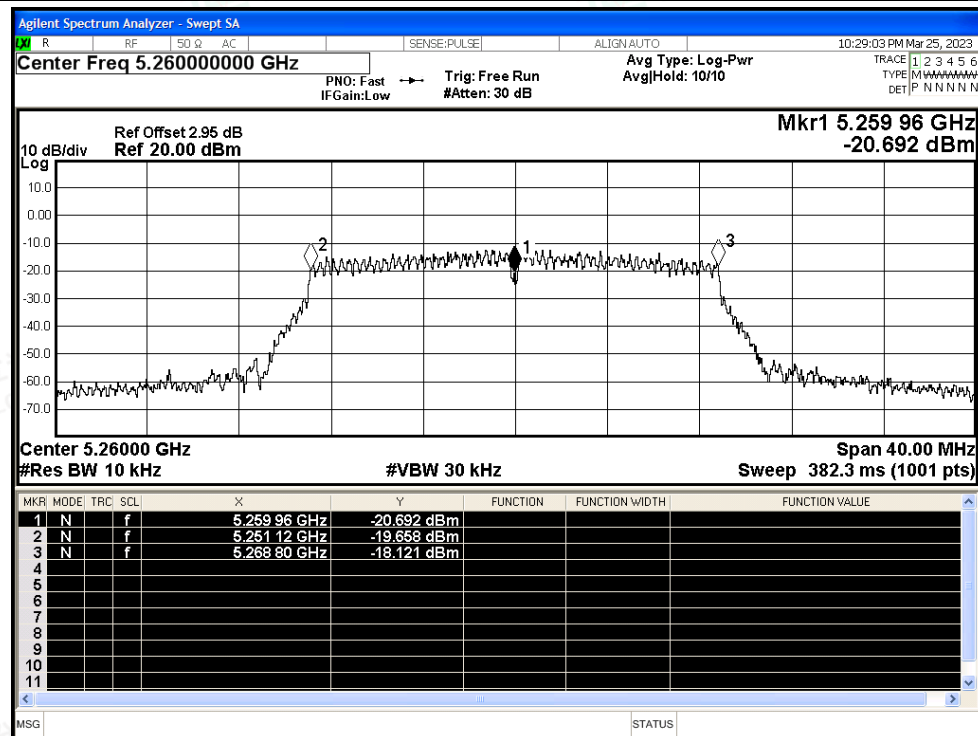
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5260	Ant1	5259.96	-40000	-7.6	25	Pass
NVNT	ac20	5300	Ant1	5299.94	-60000	-11.32	25	Pass
NVNT	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
NVNT	ac40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
NVNT	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
NVNT	ac80	5290	Ant1	5290	0	0	25	Pass



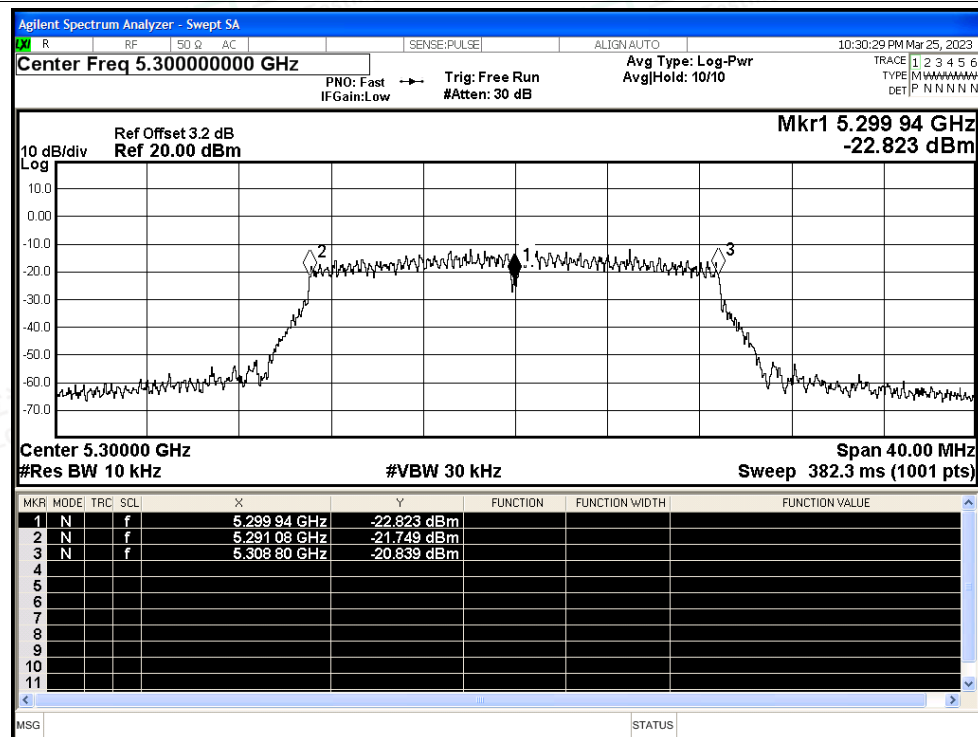


Test Graphs

Freq. Stability NVNT ac20 5260MHz Ant1

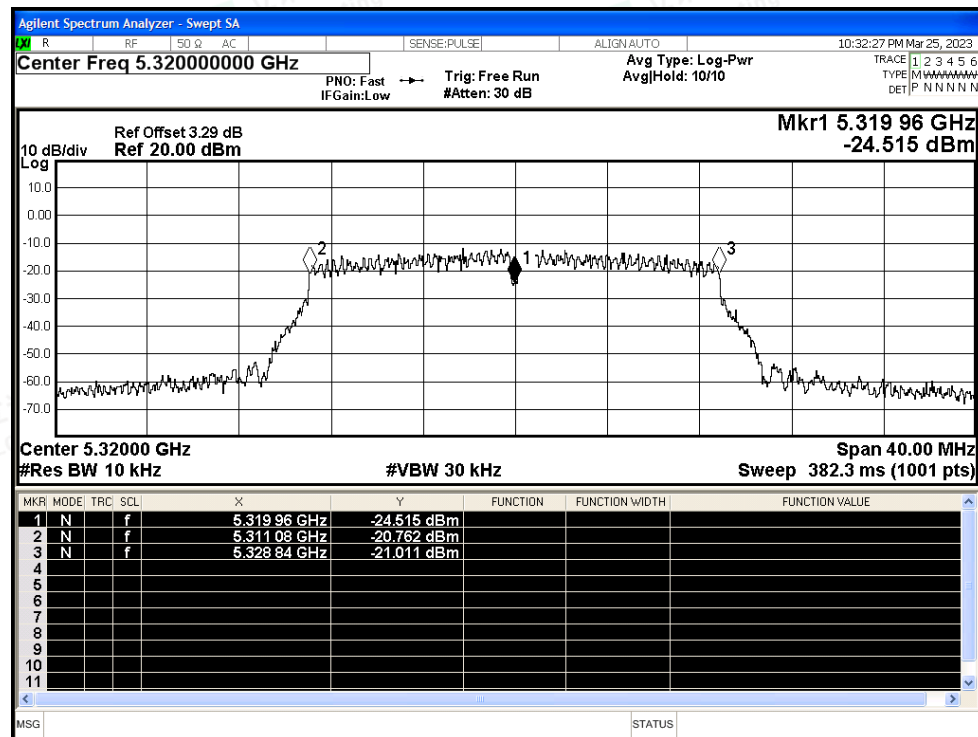


Freq. Stability NVNT ac20 5300MHz Ant1

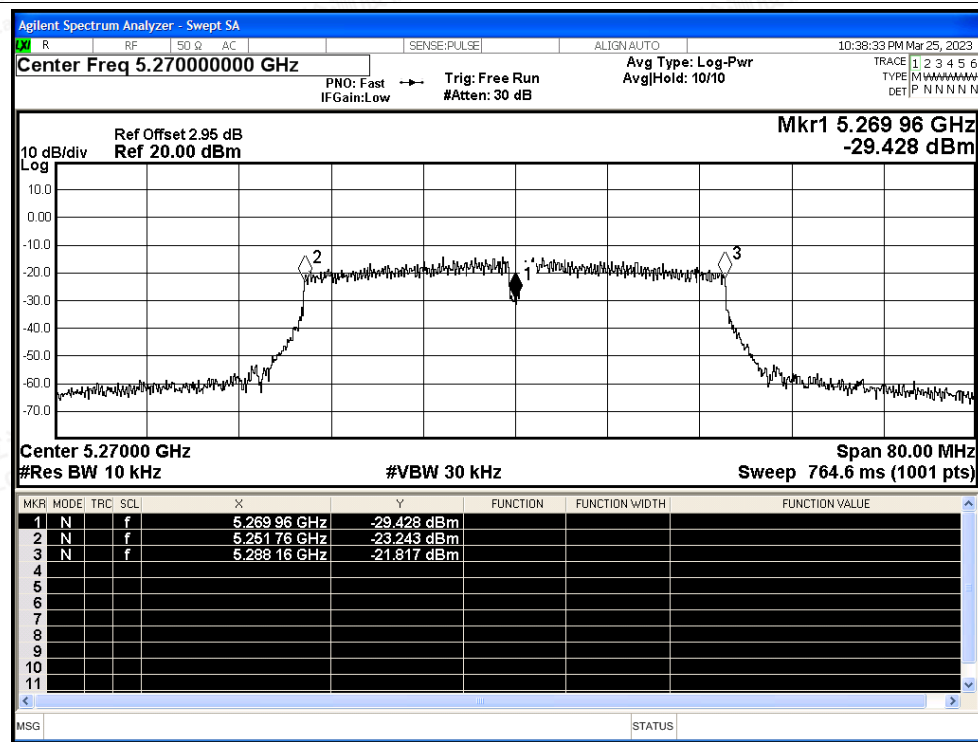




Freq. Stability NVNT ac20 5320MHz Ant1

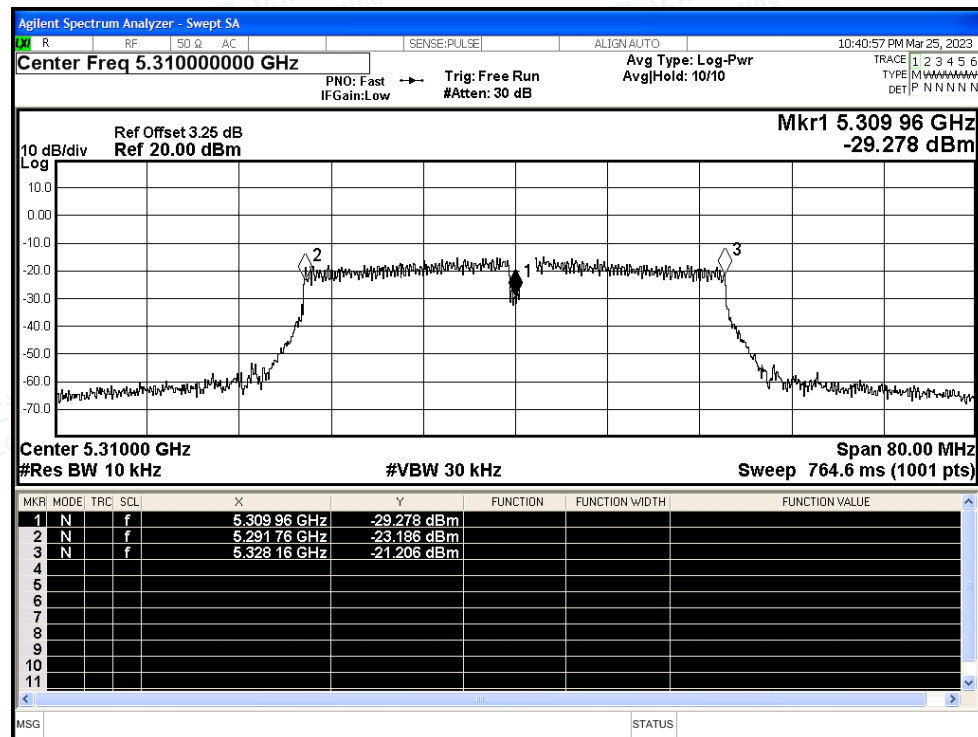


Freq. Stability NVNT ac40 5270MHz Ant1

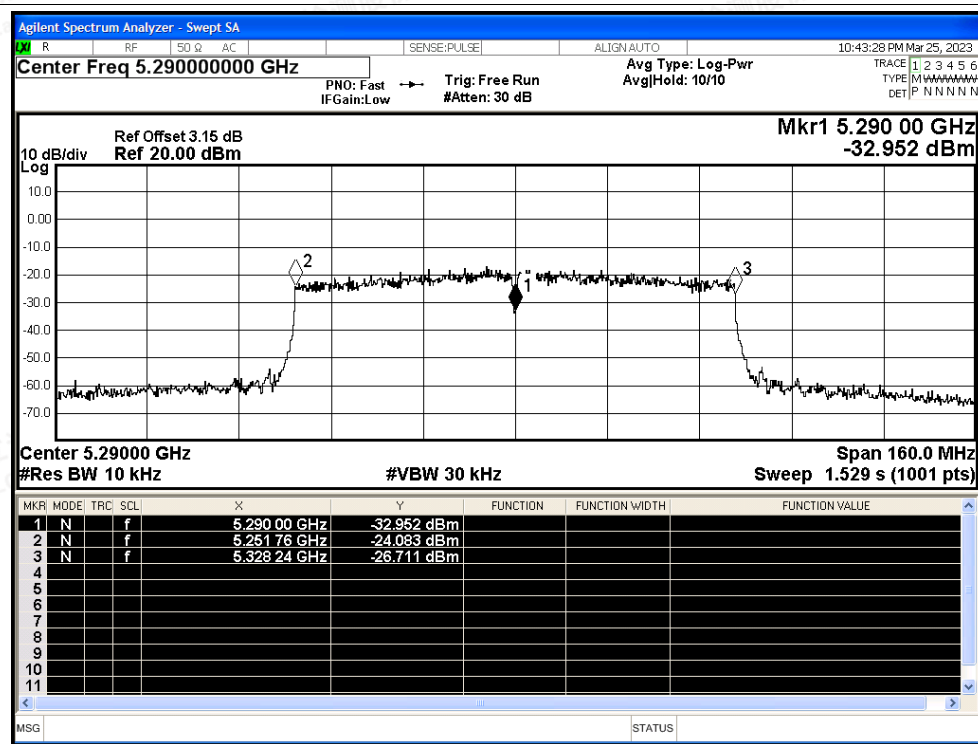




Freq. Stability NVNT ac40 5310MHz Ant1



Freq. Stability NVNT ac80 5290MHz Ant1





E.6 Duty Cycle

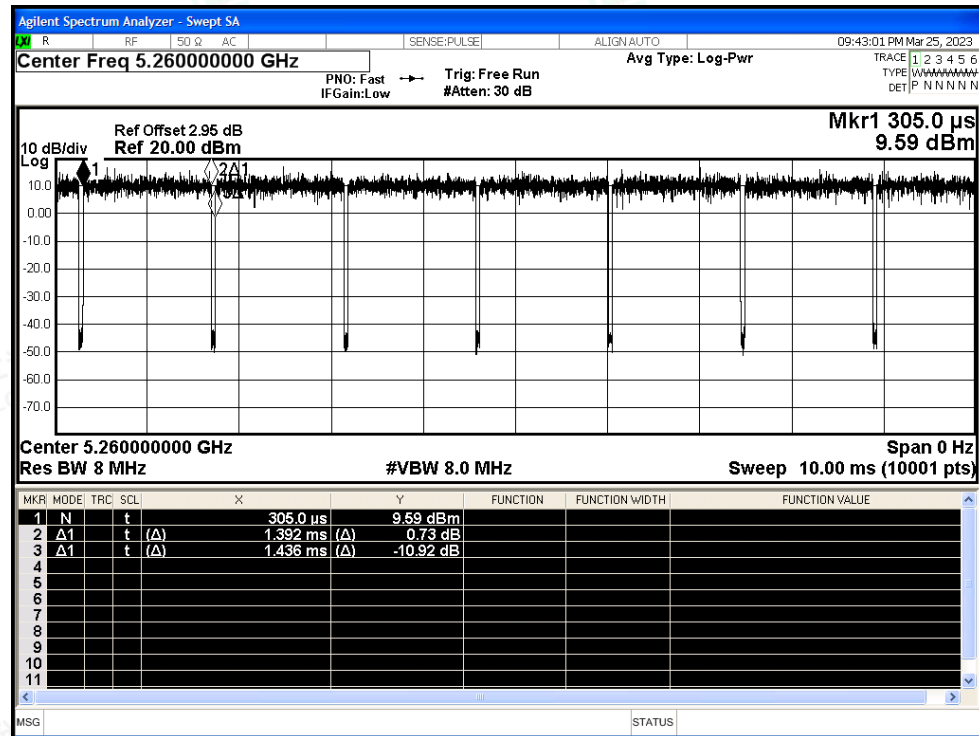
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant0	96.94	0.13	0.72
NVNT	a	5300	Ant0	96.87	0.14	0.72
NVNT	a	5320	Ant0	96.94	0.13	0.72
NVNT	n20	5260	Ant0	96.73	0.14	0.77
NVNT	n20	5300	Ant0	96.73	0.14	0.77
NVNT	n20	5320	Ant0	96.73	0.14	0.77
NVNT	n40	5270	Ant0	93.93	0.27	1.54
NVNT	n40	5310	Ant0	93.79	0.28	1.54
NVNT	ac20	5260	Ant0	96.76	0.14	0.76
NVNT	ac20	5300	Ant0	96.76	0.14	0.76
NVNT	ac20	5320	Ant0	96.76	0.14	0.76
NVNT	ac40	5270	Ant0	93.68	0.28	1.53
NVNT	ac40	5310	Ant0	93.68	0.28	1.53
NVNT	ac80	5290	Ant0	87.8	0.57	3.09



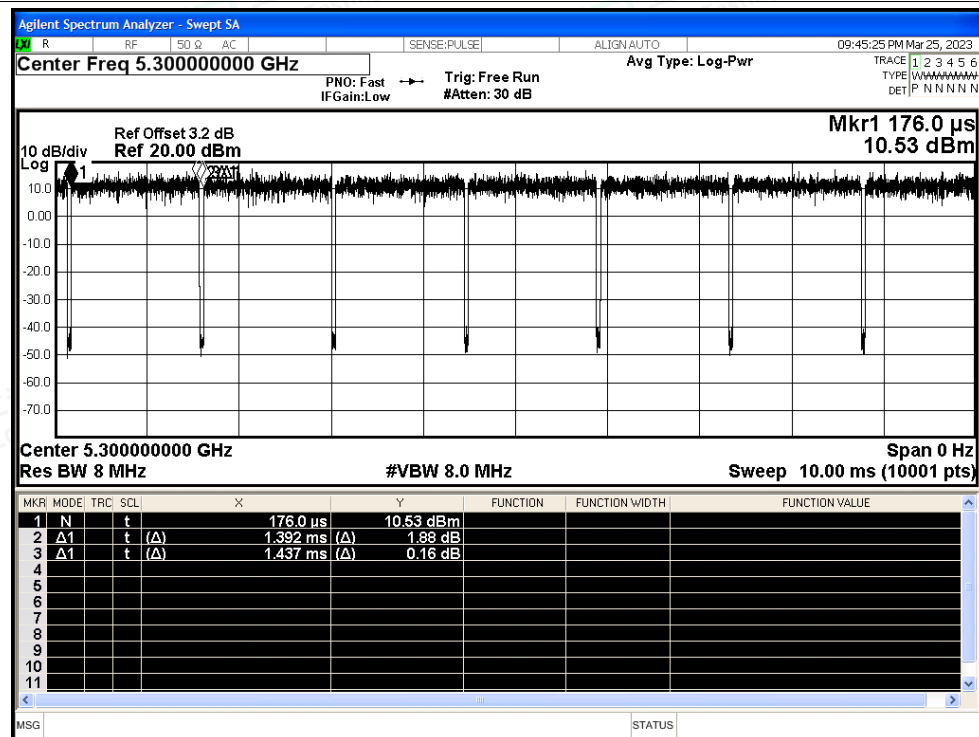


Test Graphs

Duty Cycle NVNT a 5260MHz Ant0



Duty Cycle NVNT a 5300MHz Ant0



Shenzhen LCS Compliance Testing Laboratory Ltd.

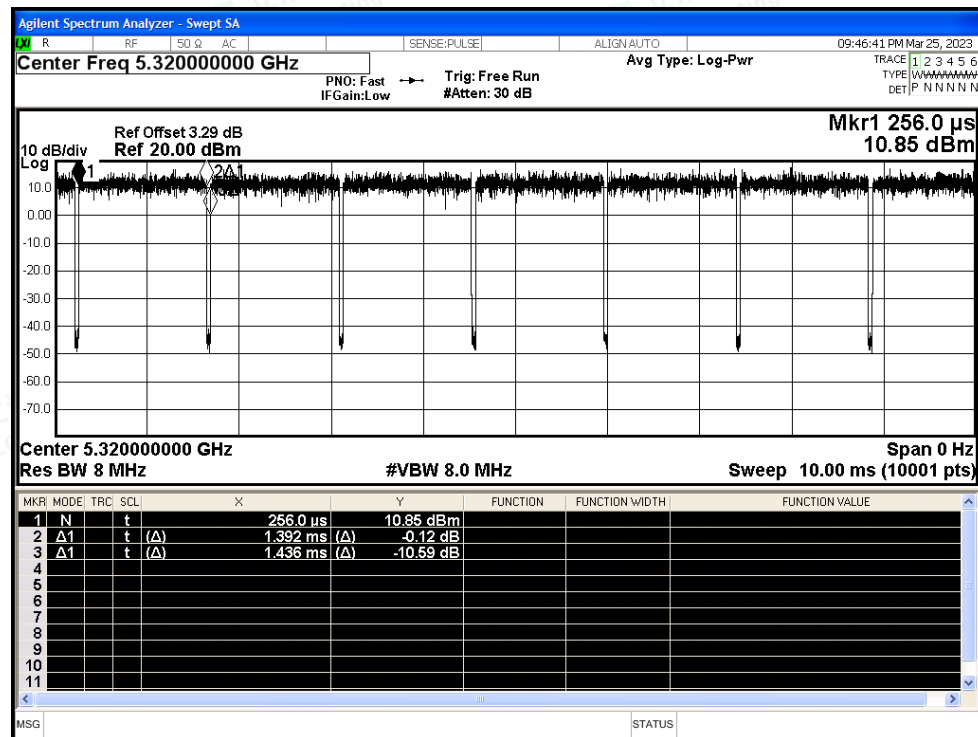
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

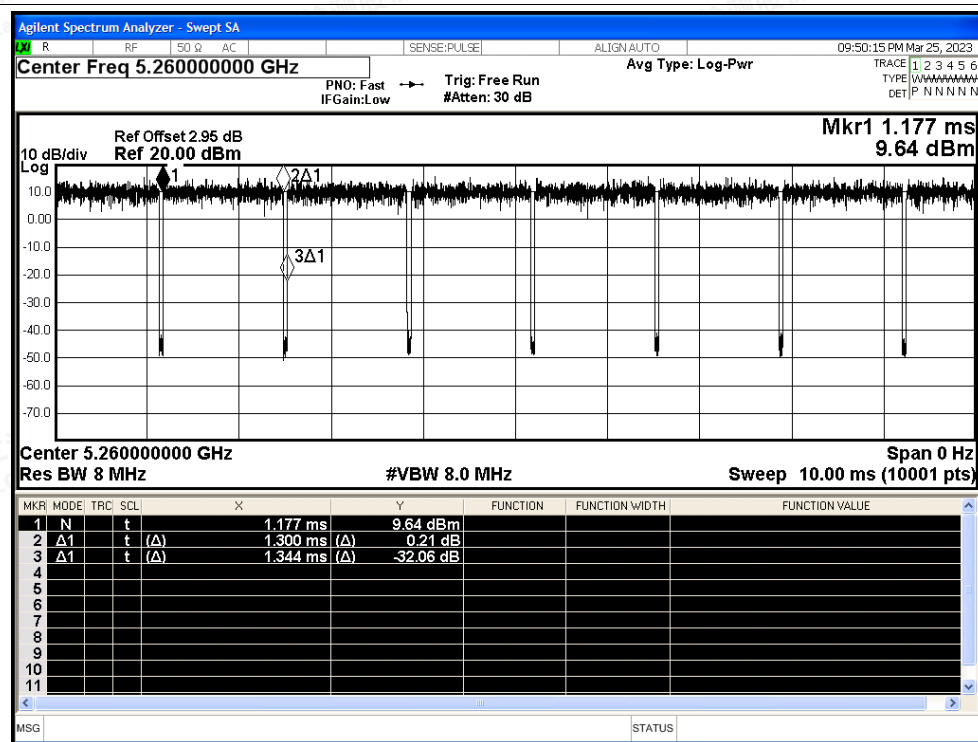
Scan code to check authenticity



Duty Cycle NVNT a 5320MHz Ant0

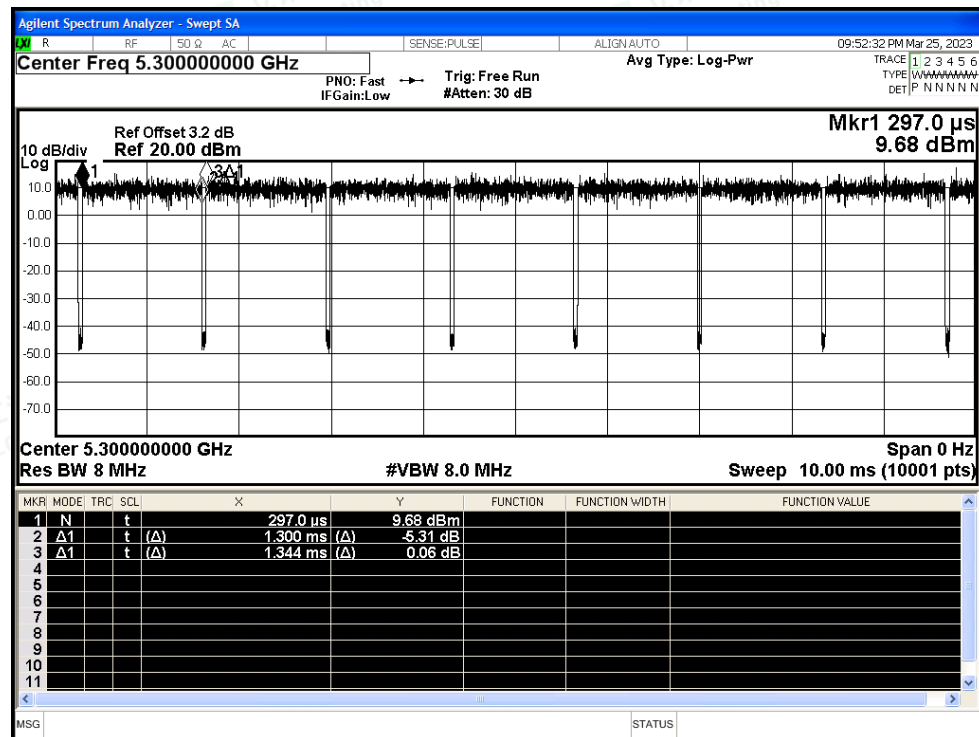


Duty Cycle NVNT n20 5260MHz Ant0

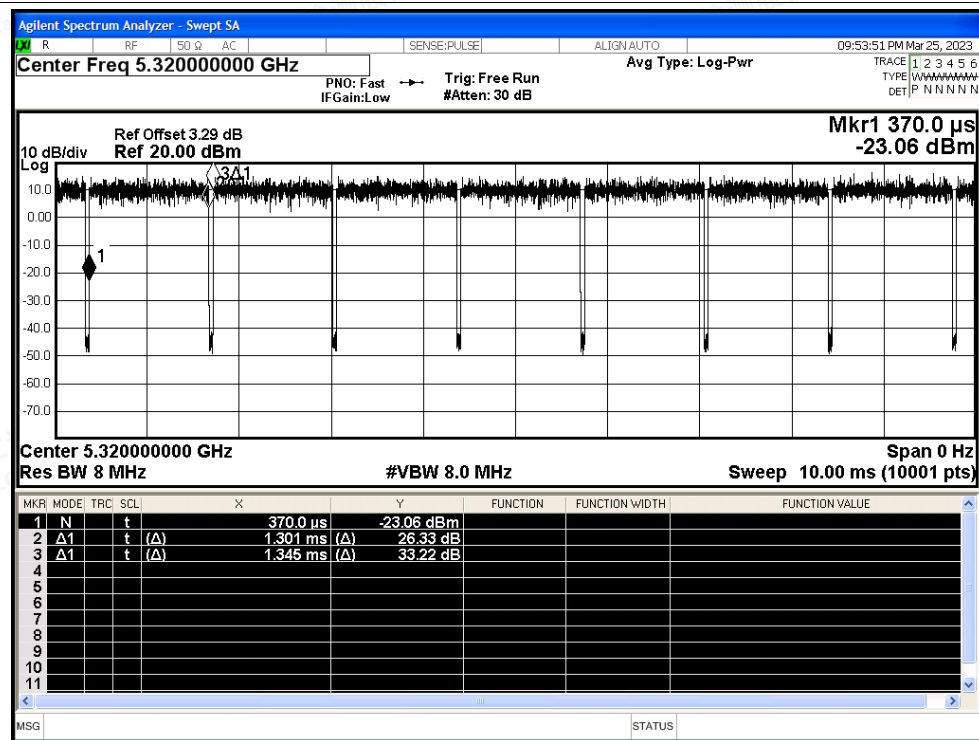




Duty Cycle NVNT n20 5300MHz Ant0

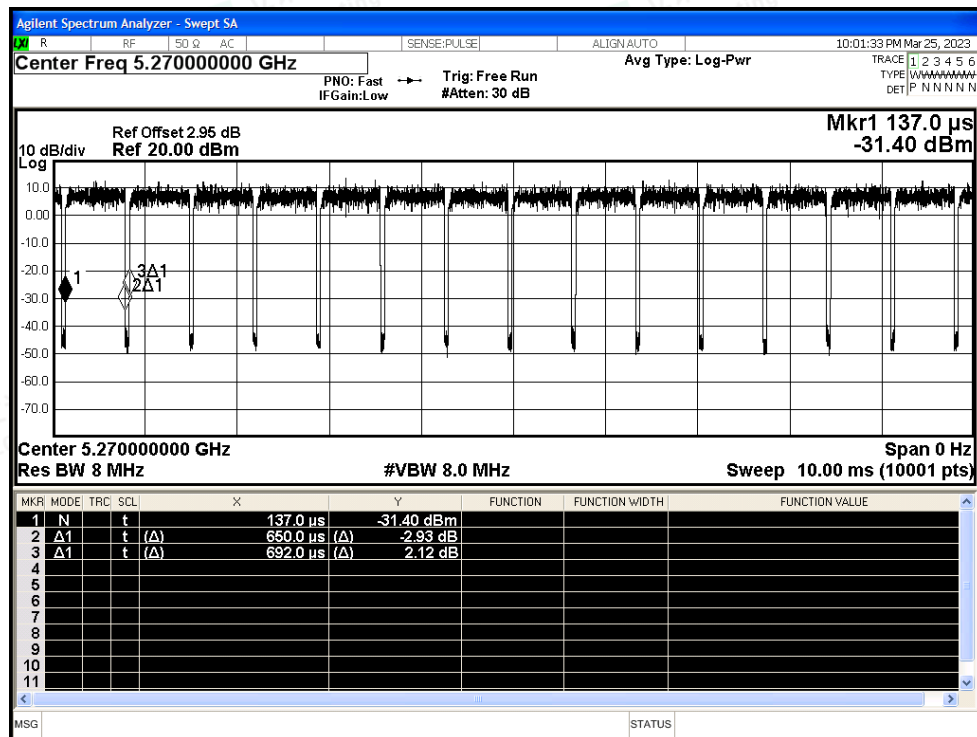


Duty Cycle NVNT n20 5320MHz Ant0

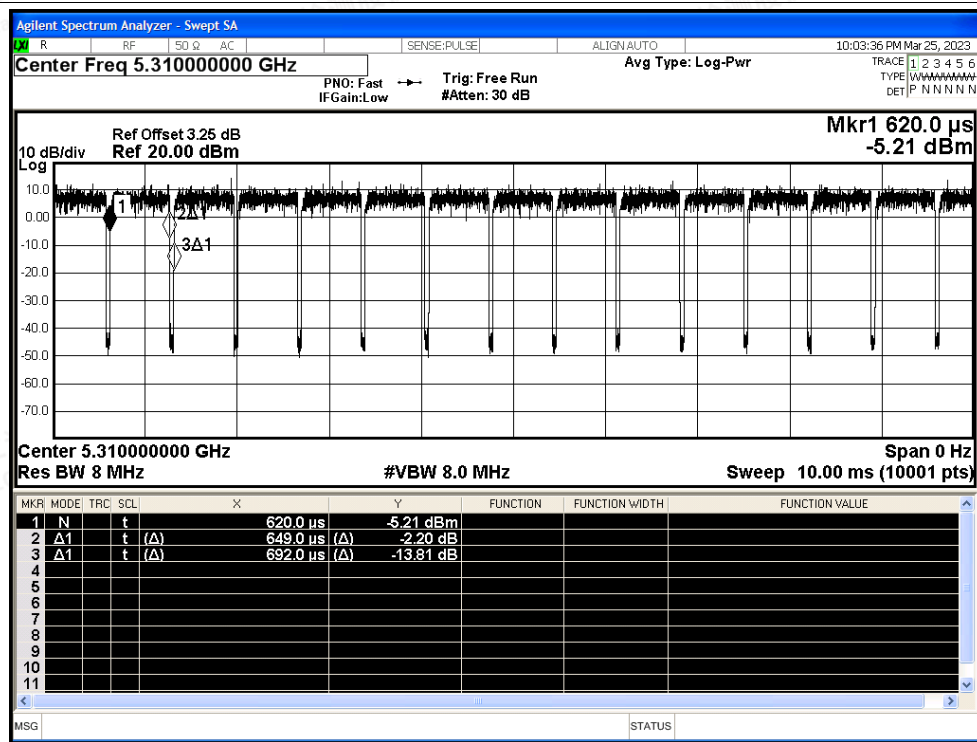




Duty Cycle NVNT n40 5270MHz Ant0

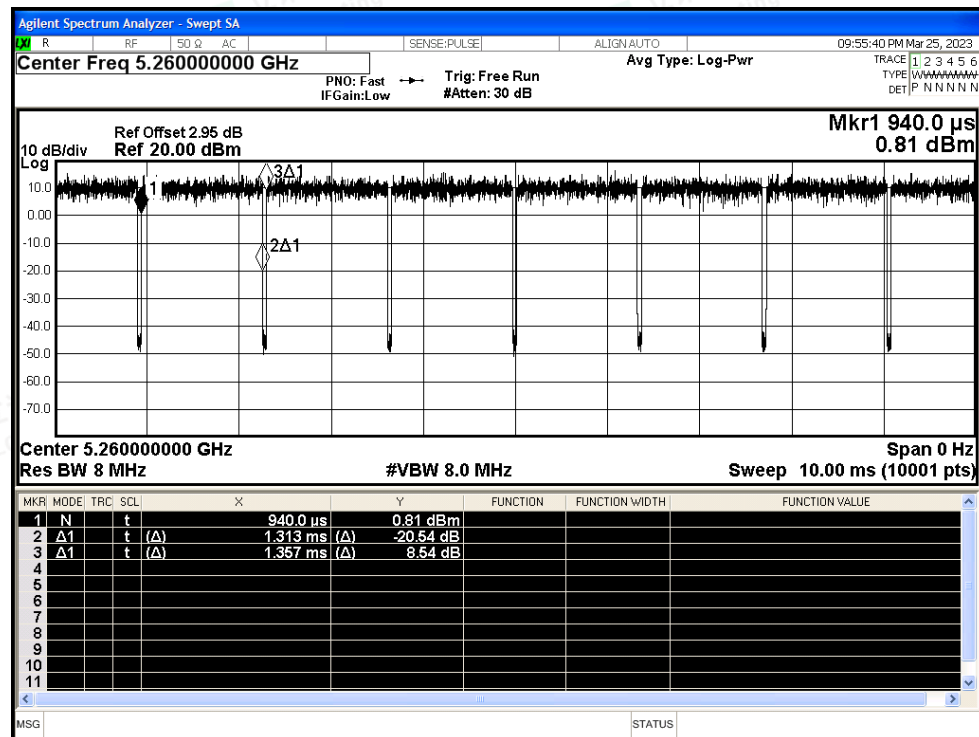


Duty Cycle NVNT n40 5310MHz Ant0

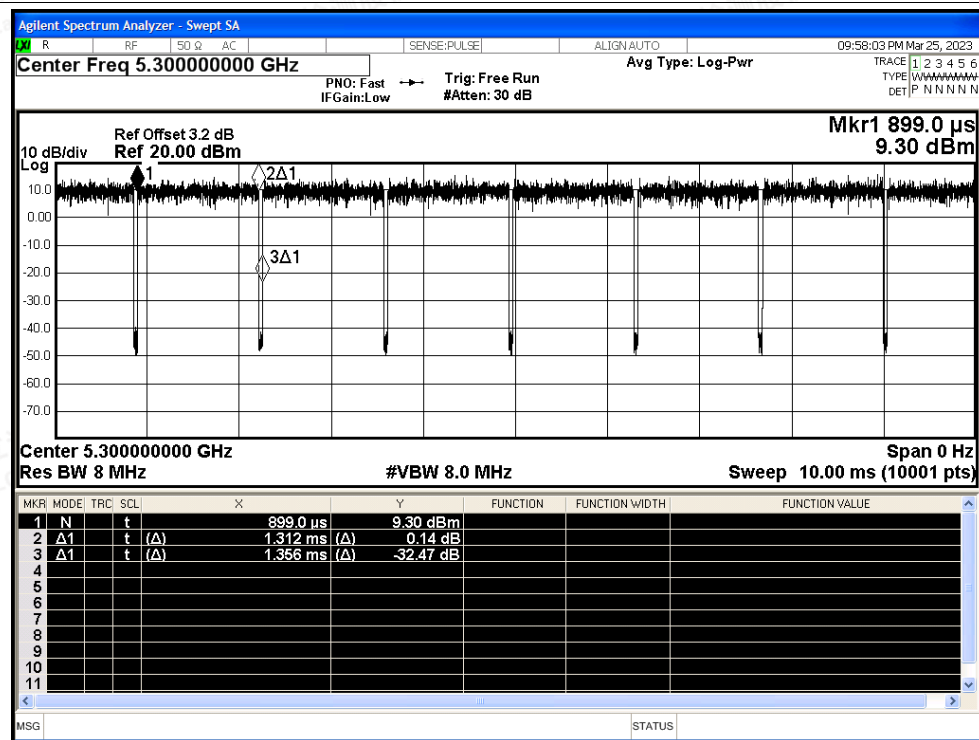




Duty Cycle NVNT ac20 5260MHz Ant0

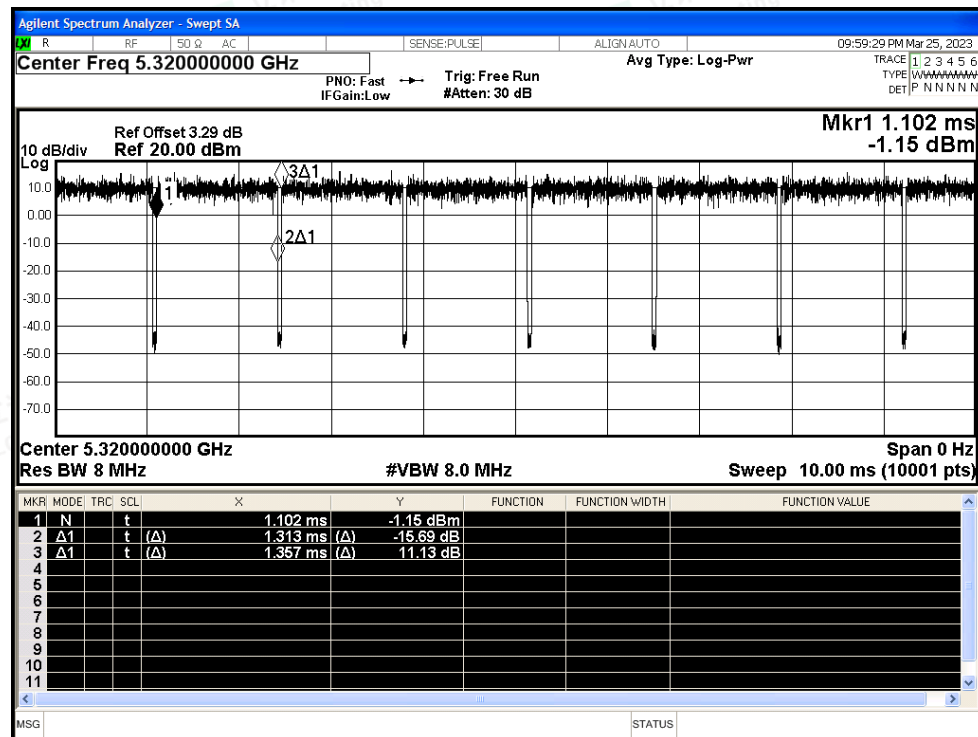


Duty Cycle NVNT ac20 5300MHz Ant0

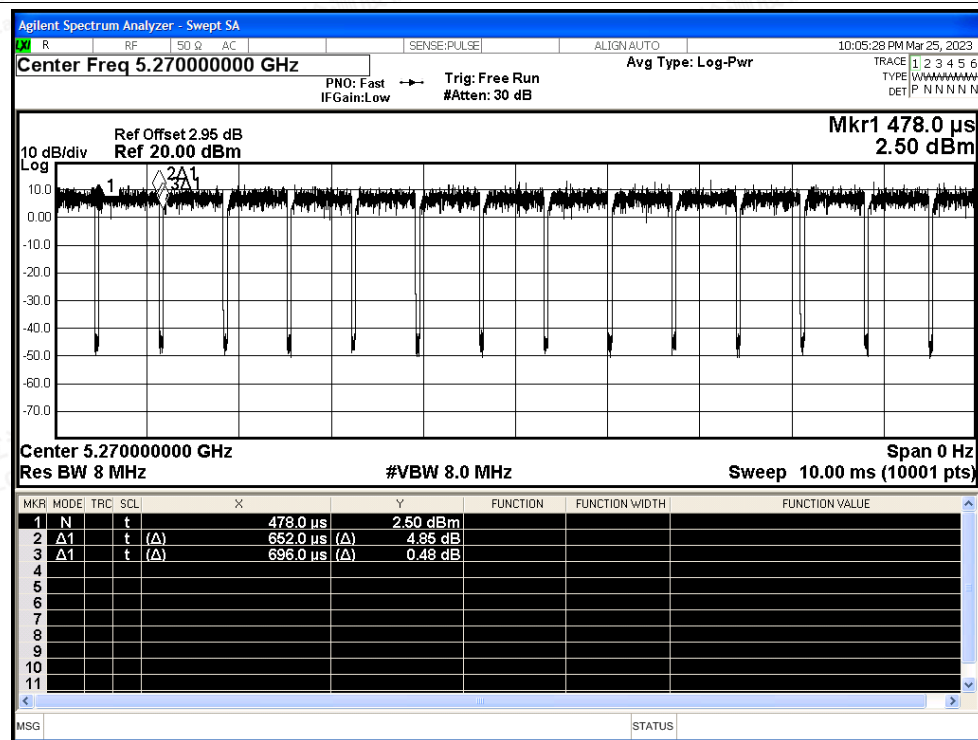




Duty Cycle NVNT ac20 5320MHz Ant0

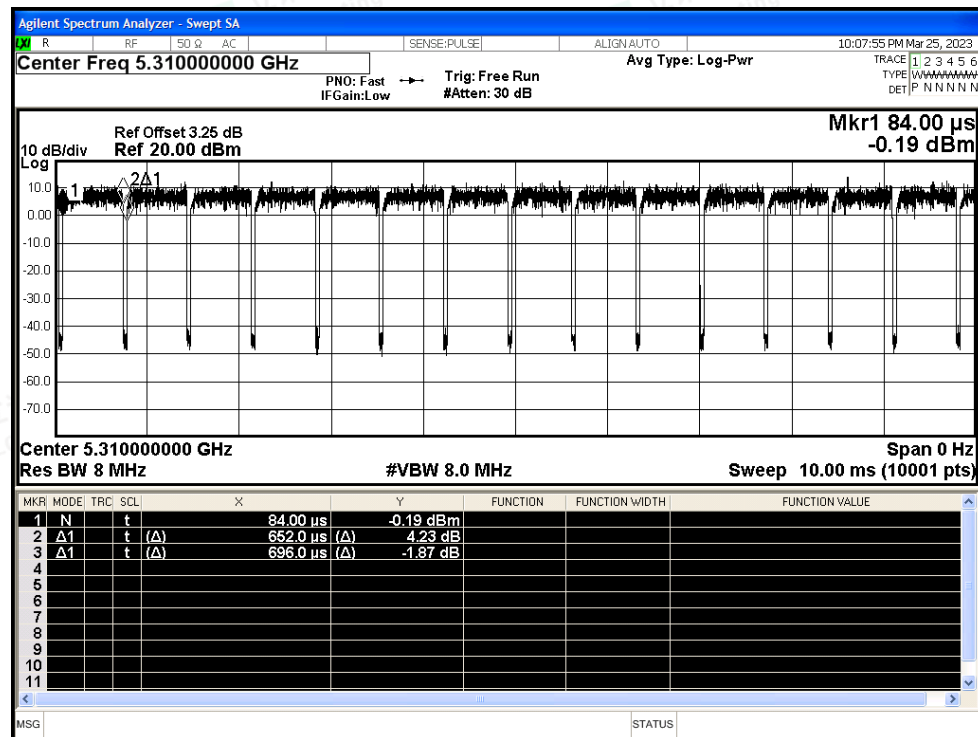


Duty Cycle NVNT ac40 5270MHz Ant0

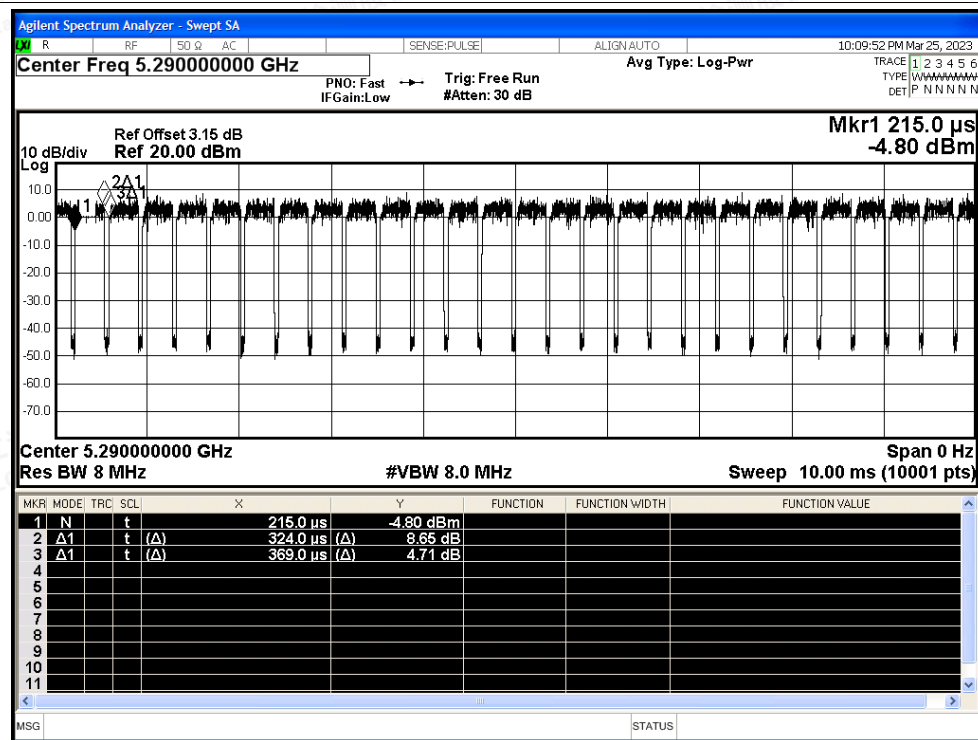




Duty Cycle NVNT ac40 5310MHz Ant0



Duty Cycle NVNT ac80 5290MHz Ant0





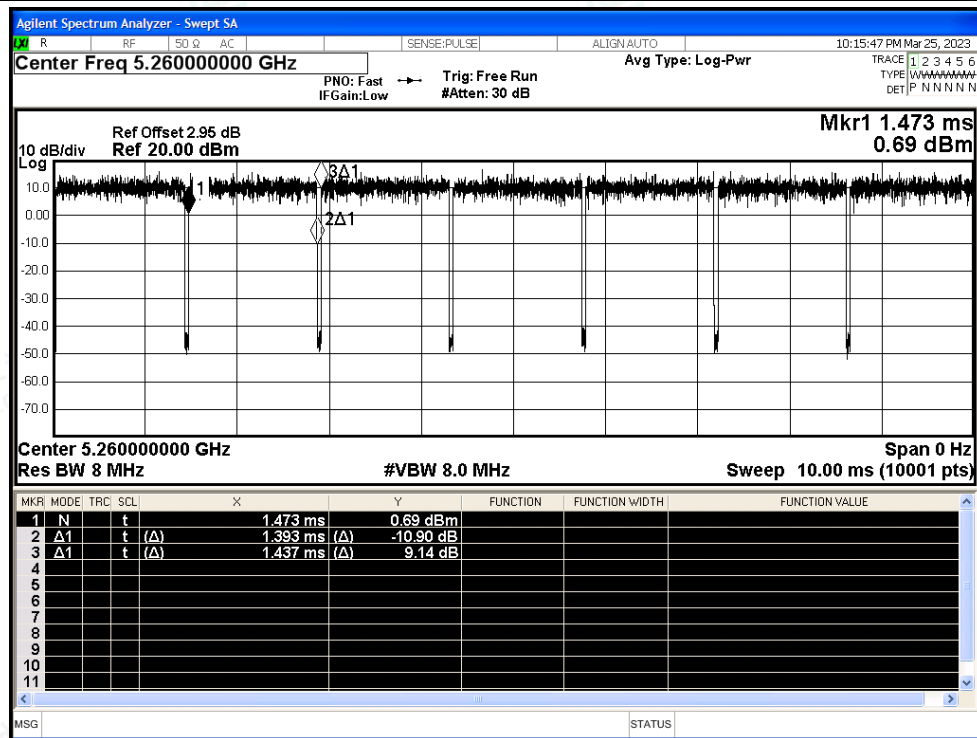
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	96.94	0.13	0.72
NVNT	a	5300	Ant1	96.94	0.13	0.72
NVNT	a	5320	Ant1	96.94	0.13	0.72
NVNT	n20	5260	Ant1	96.73	0.14	0.77
NVNT	n20	5300	Ant1	96.73	0.14	0.77
NVNT	n20	5320	Ant1	96.65	0.15	0.77
NVNT	n40	5270	Ant1	93.93	0.27	1.54
NVNT	n40	5310	Ant1	93.64	0.29	1.54
NVNT	ac20	5260	Ant1	96.76	0.14	0.76
NVNT	ac20	5300	Ant1	96.76	0.14	0.76
NVNT	ac20	5320	Ant1	96.76	0.14	0.76
NVNT	ac40	5270	Ant1	93.68	0.28	1.53
NVNT	ac40	5310	Ant1	93.68	0.28	1.53
NVNT	ac80	5290	Ant1	88.04	0.55	3.09



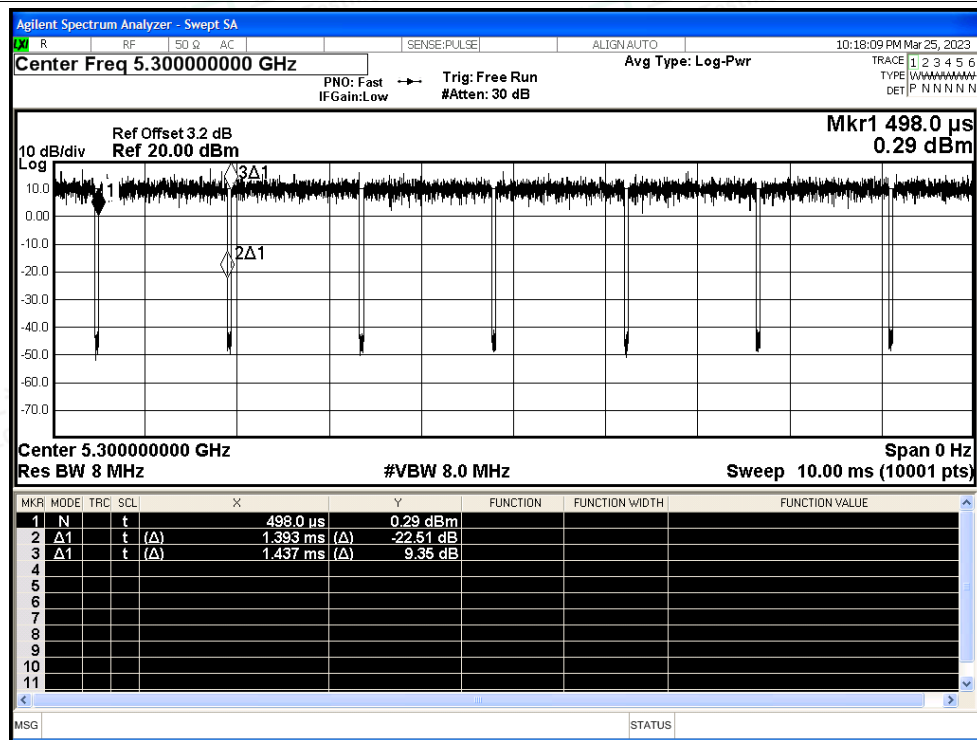


Test Graphs

Duty Cycle NVNT a 5260MHz Ant1



Duty Cycle NVNT a 5300MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

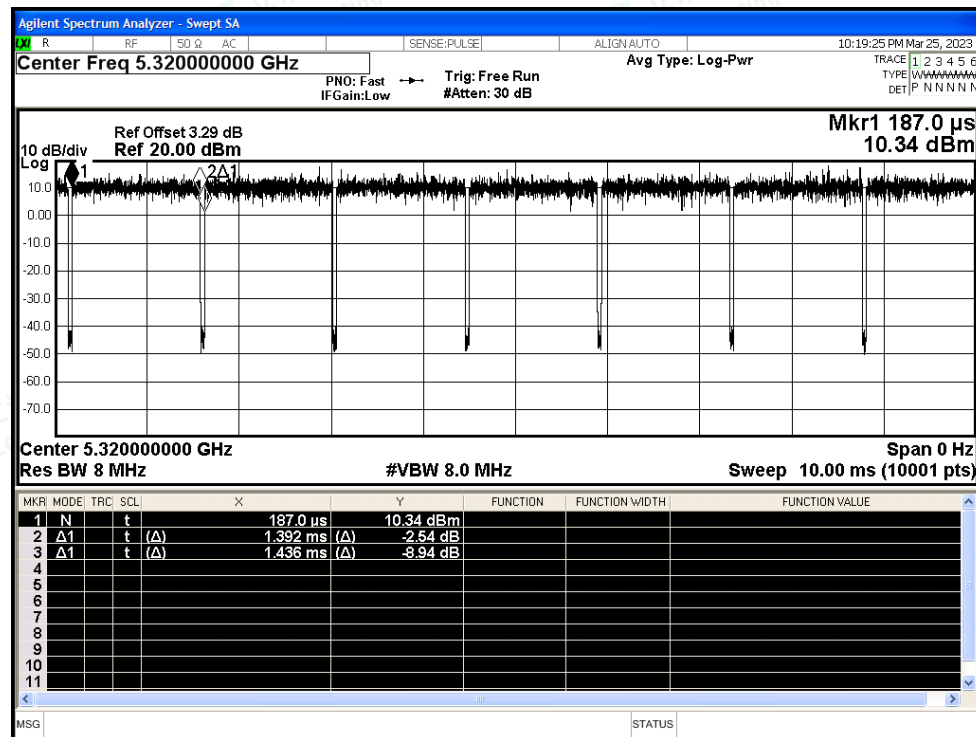
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

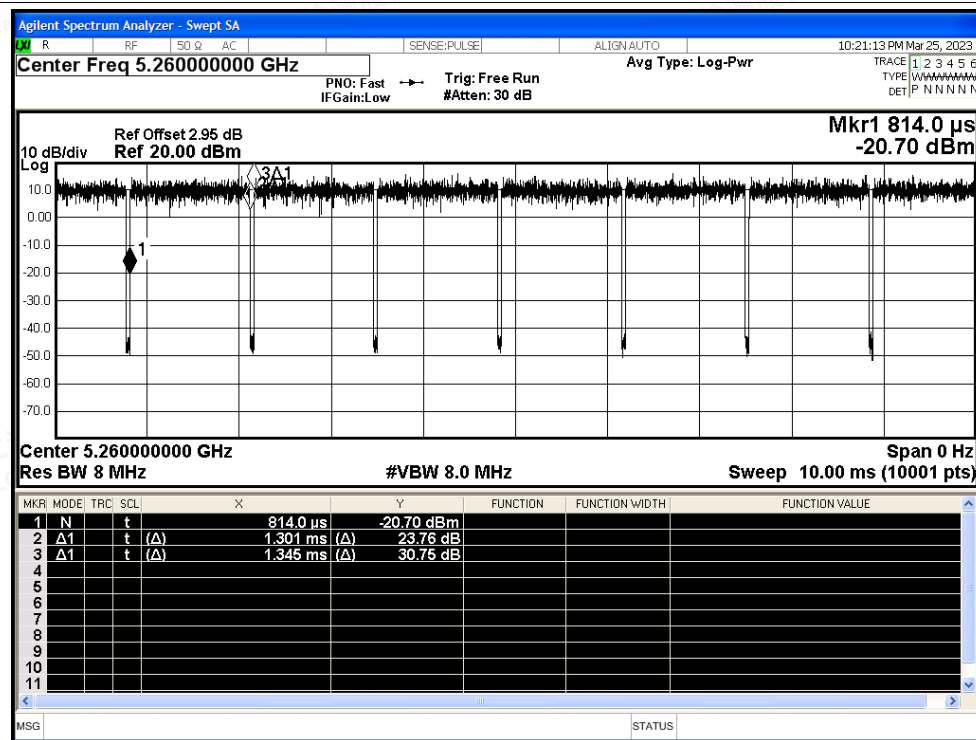
Scan code to check authenticity



Duty Cycle NVNT a 5320MHz Ant1

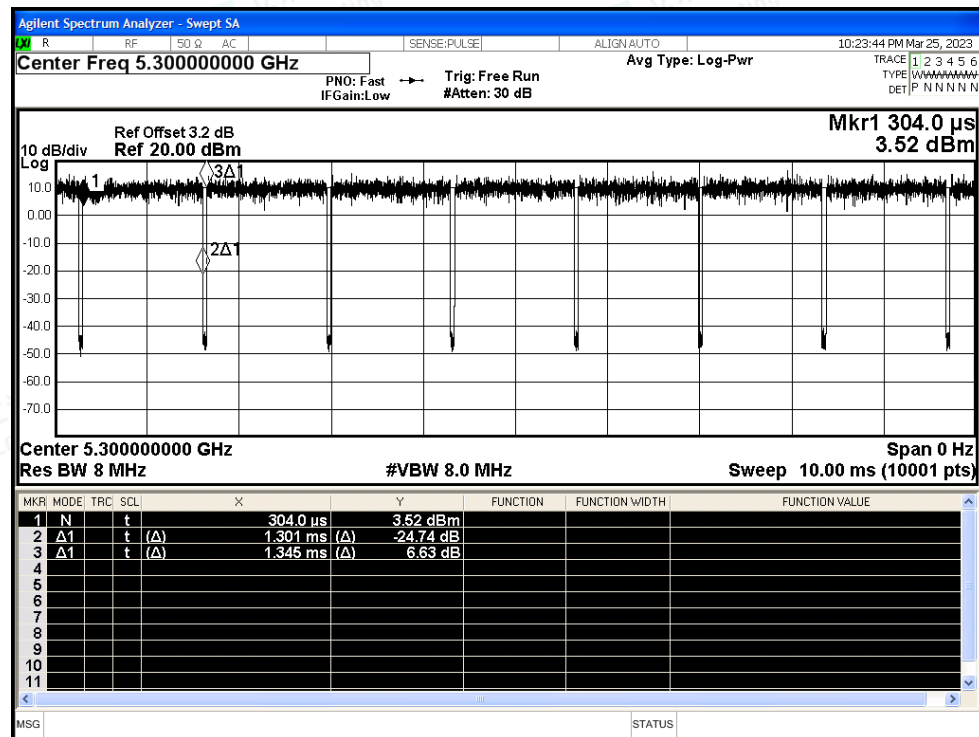


Duty Cycle NVNT n20 5260MHz Ant1

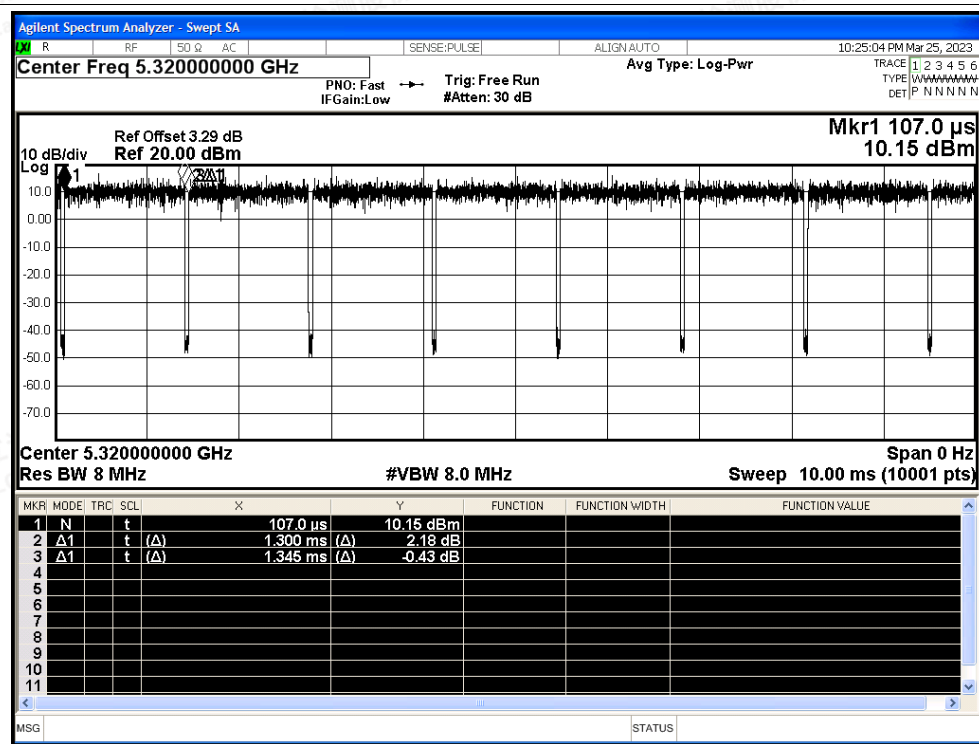




Duty Cycle NVNT n20 5300MHz Ant1

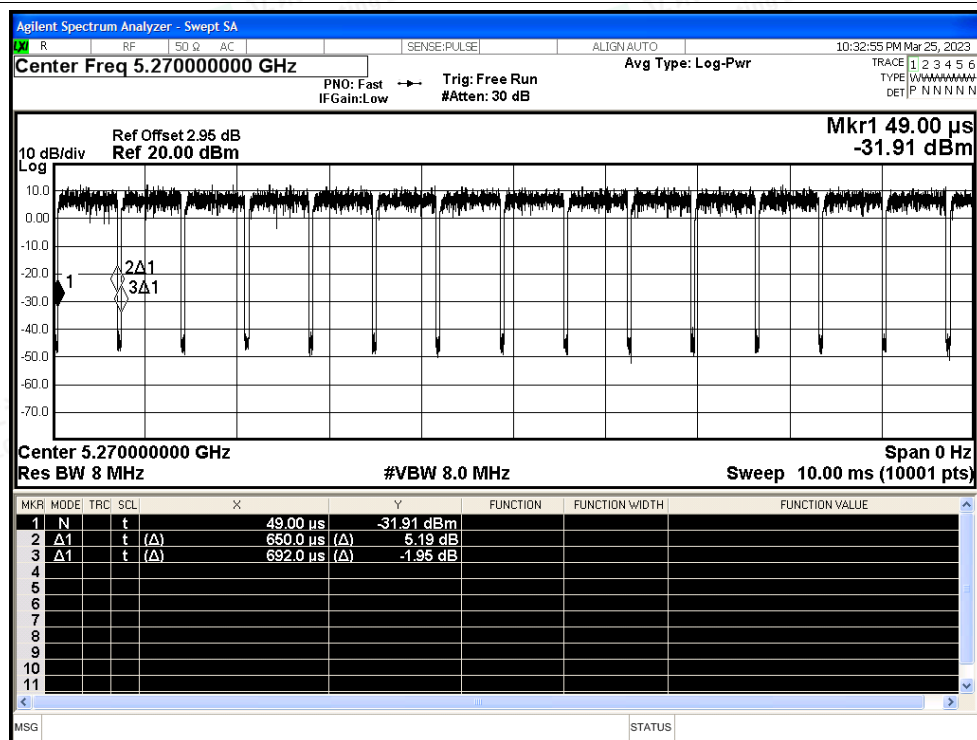


Duty Cycle NVNT n20 5320MHz Ant1

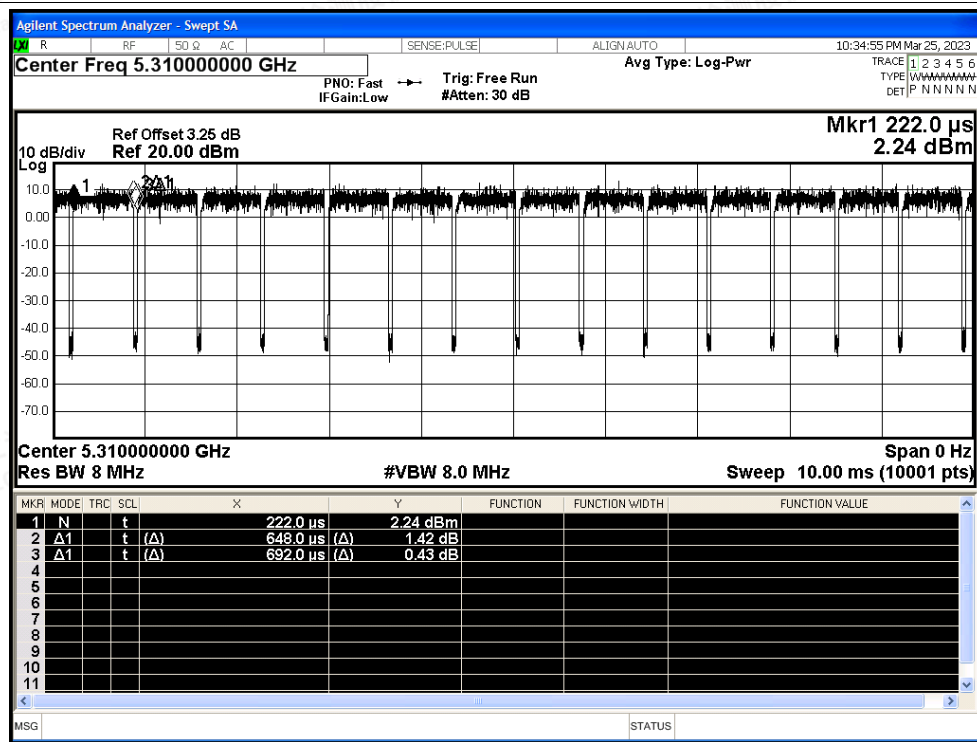




Duty Cycle NVNT n40 5270MHz Ant1

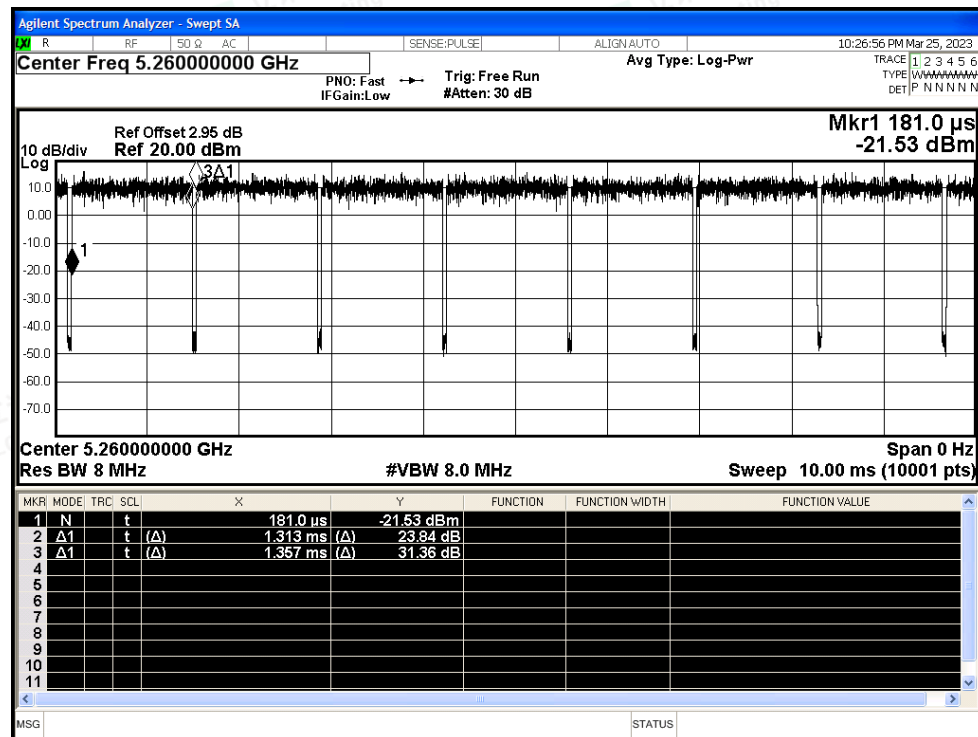


Duty Cycle NVNT n40 5310MHz Ant1

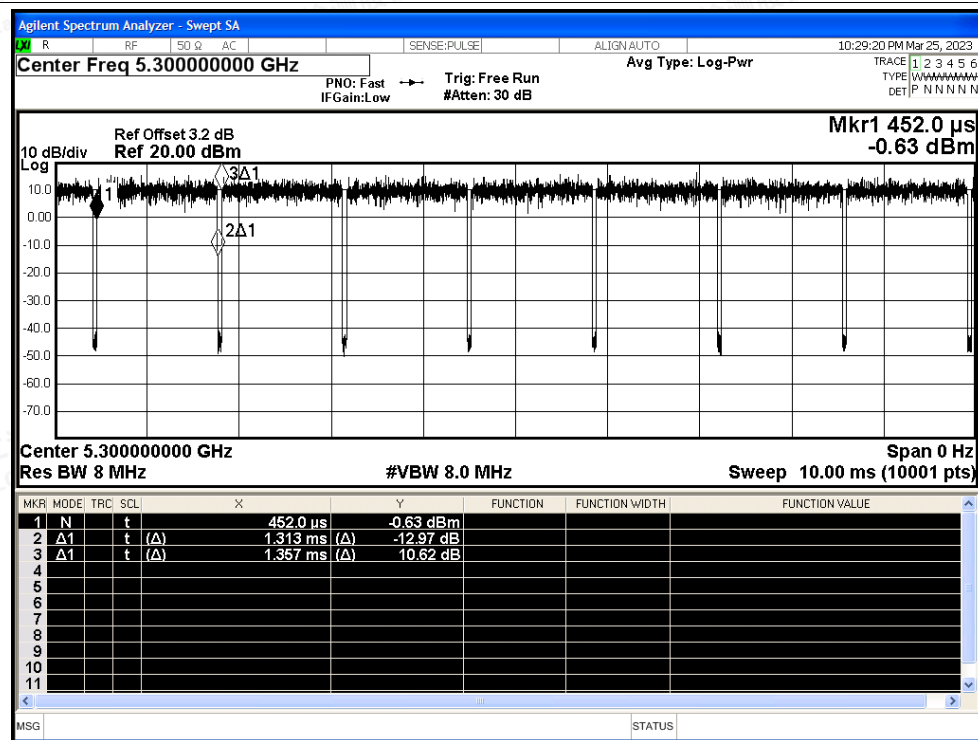




Duty Cycle NVNT ac20 5260MHz Ant1

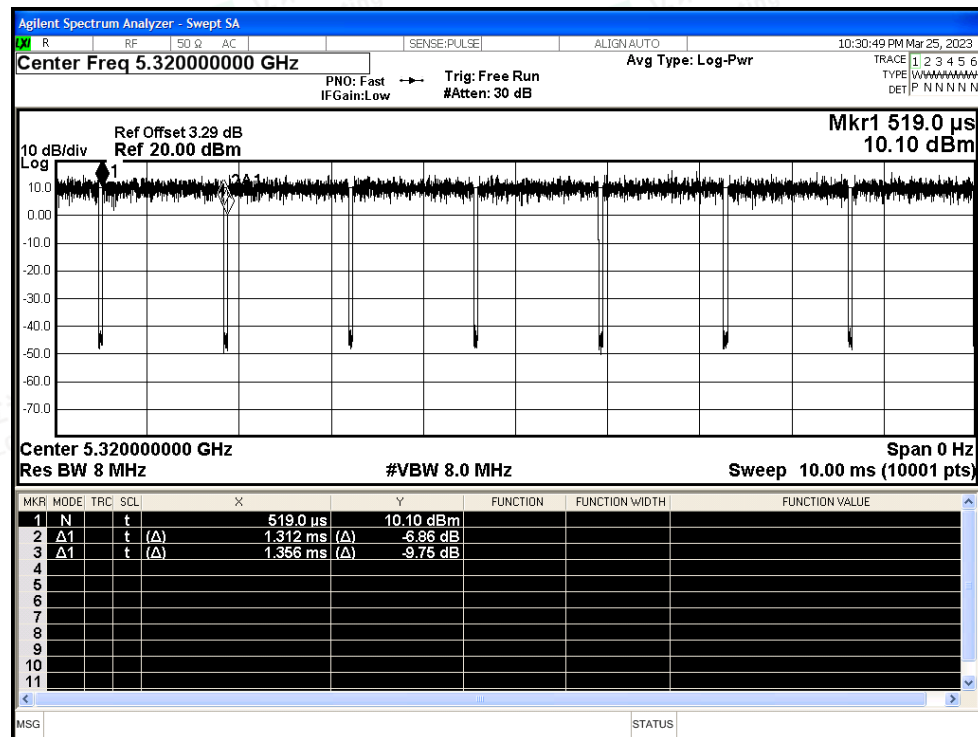


Duty Cycle NVNT ac20 5300MHz Ant1

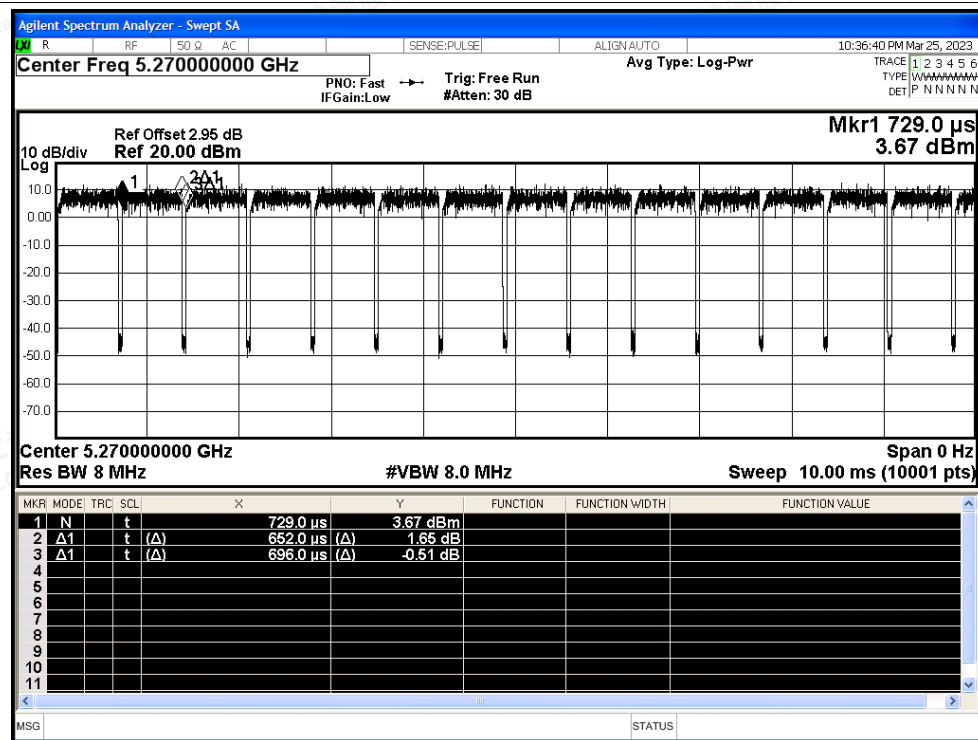




Duty Cycle NVNT ac20 5320MHz Ant1

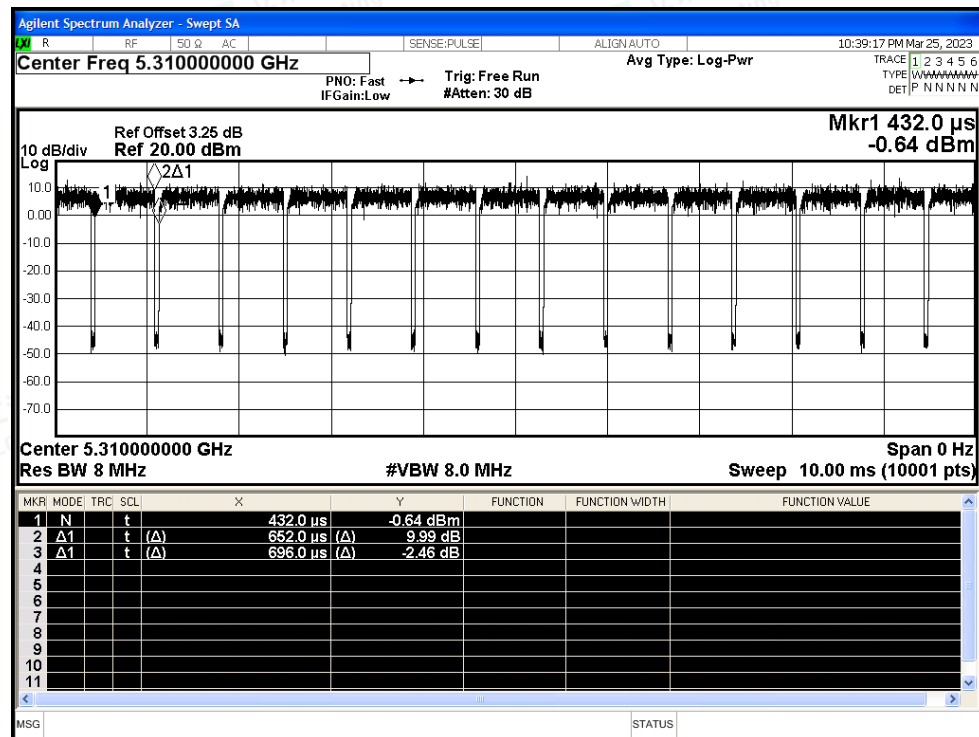


Duty Cycle NVNT ac40 5270MHz Ant1





Duty Cycle NVNT ac40 5310MHz Ant1



Duty Cycle NVNT ac80 5290MHz Ant1

