



Appendix F

RF Test Data for 5.5GWIFI (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





F.1 -26dB Bandwidth

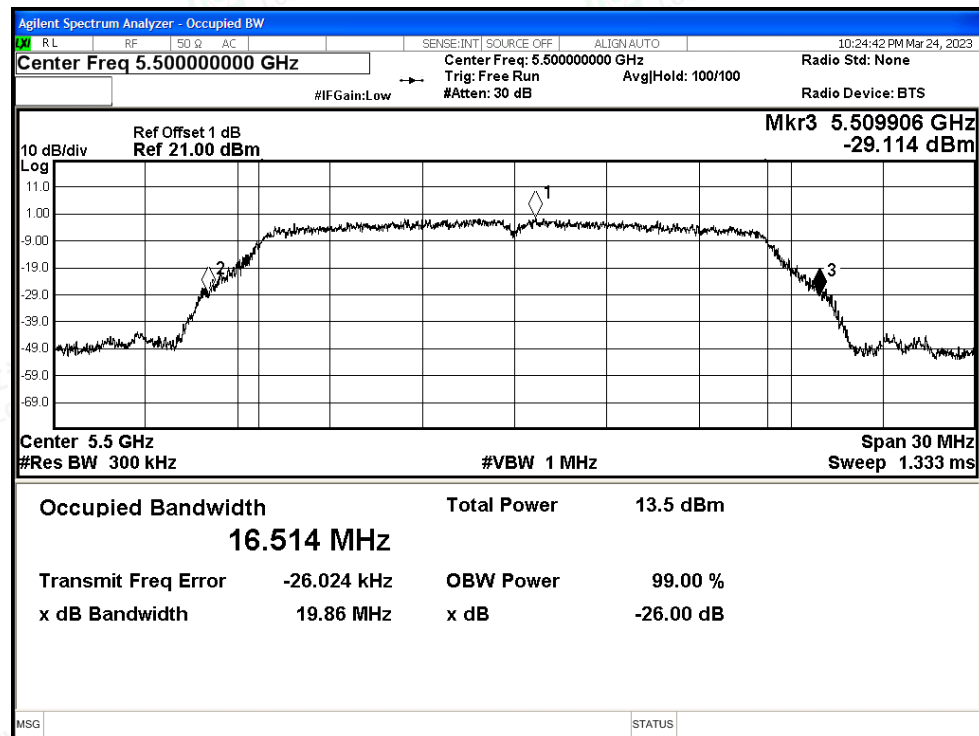
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant0	19.864	Pass
NVNT	a	5580	Ant0	19.987	Pass
NVNT	a	5700	Ant0	19.925	Pass
NVNT	n20	5500	Ant0	20.018	Pass
NVNT	n20	5580	Ant0	20.326	Pass
NVNT	n20	5700	Ant0	20.206	Pass
NVNT	n40	5510	Ant0	39.649	Pass
NVNT	n40	5550	Ant0	39.517	Pass
NVNT	n40	5670	Ant0	39.422	Pass
NVNT	ac20	5500	Ant0	20.337	Pass
NVNT	ac20	5580	Ant0	20.355	Pass
NVNT	ac20	5700	Ant0	20.26	Pass
NVNT	ac40	5510	Ant0	39.621	Pass
NVNT	ac40	5550	Ant0	39.33	Pass
NVNT	ac40	5670	Ant0	39.865	Pass
NVNT	ac80	5530	Ant0	79.181	Pass
NVNT	ac80	5610	Ant0	79.138	Pass



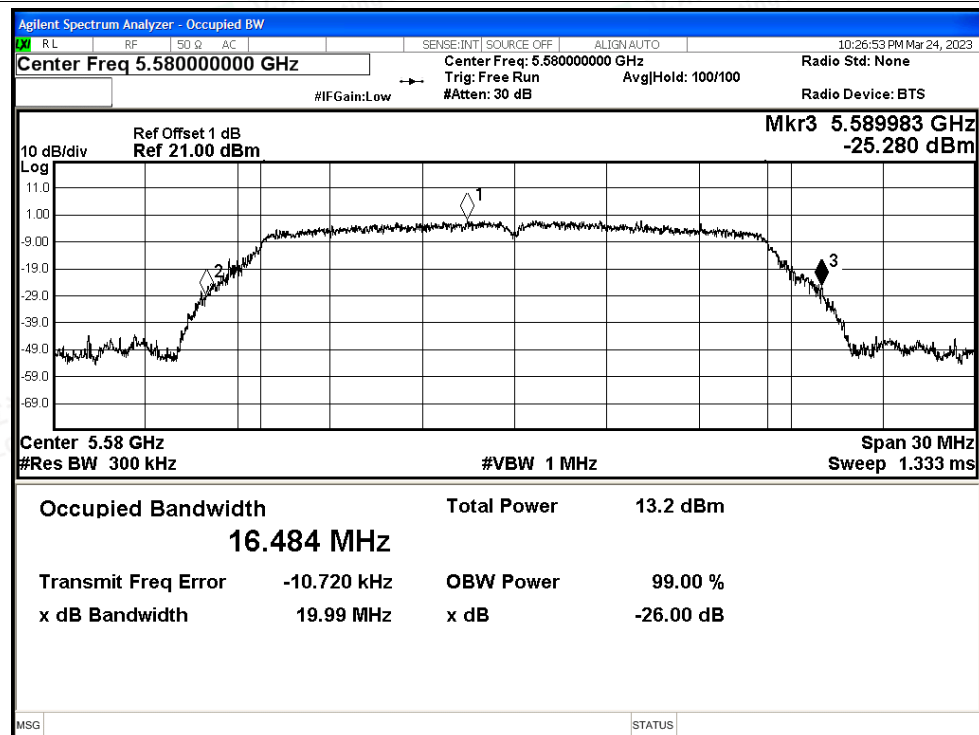


Test Graphs

-26dB Bandwidth NVNT a 5500MHz Ant0

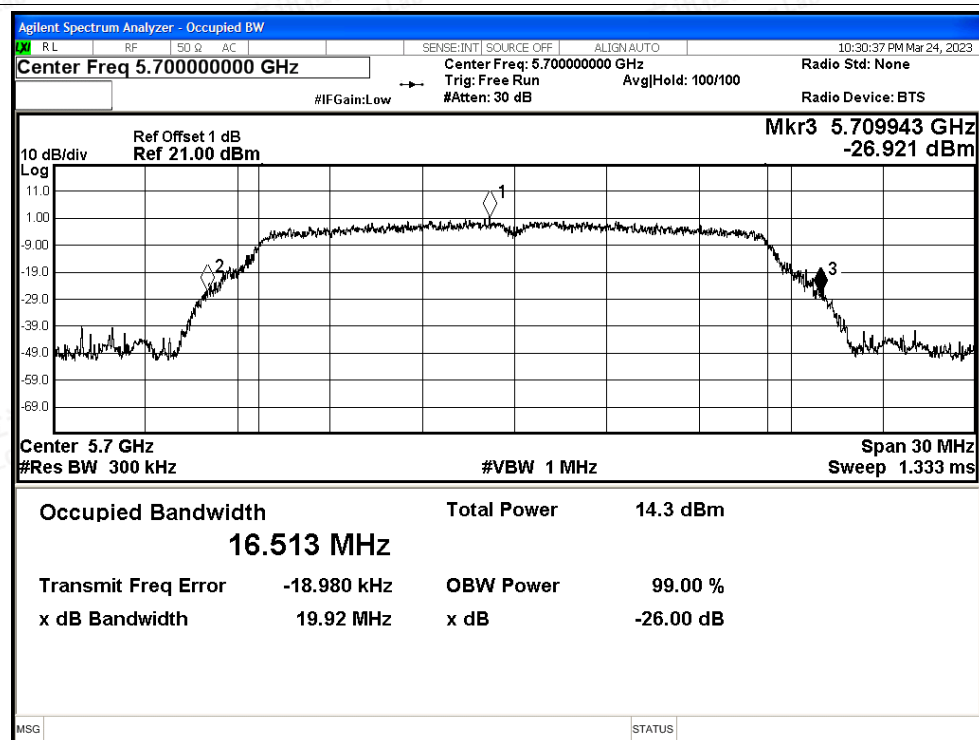


-26dB Bandwidth NVNT a 5580MHz Ant0

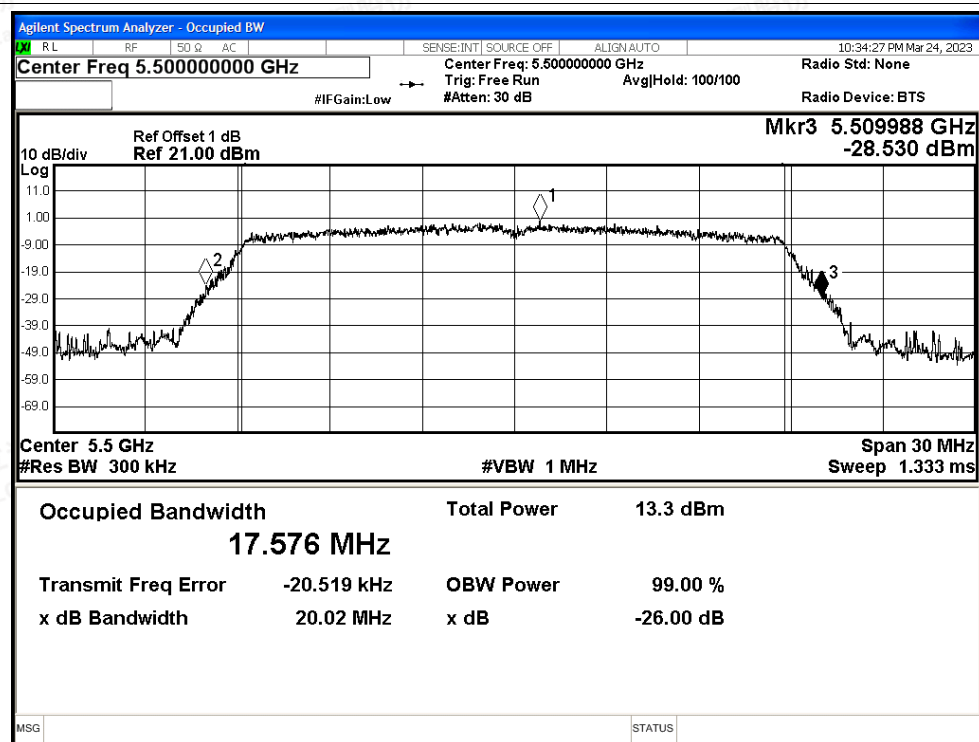




-26dB Bandwidth NVNT a 5700MHz Ant0

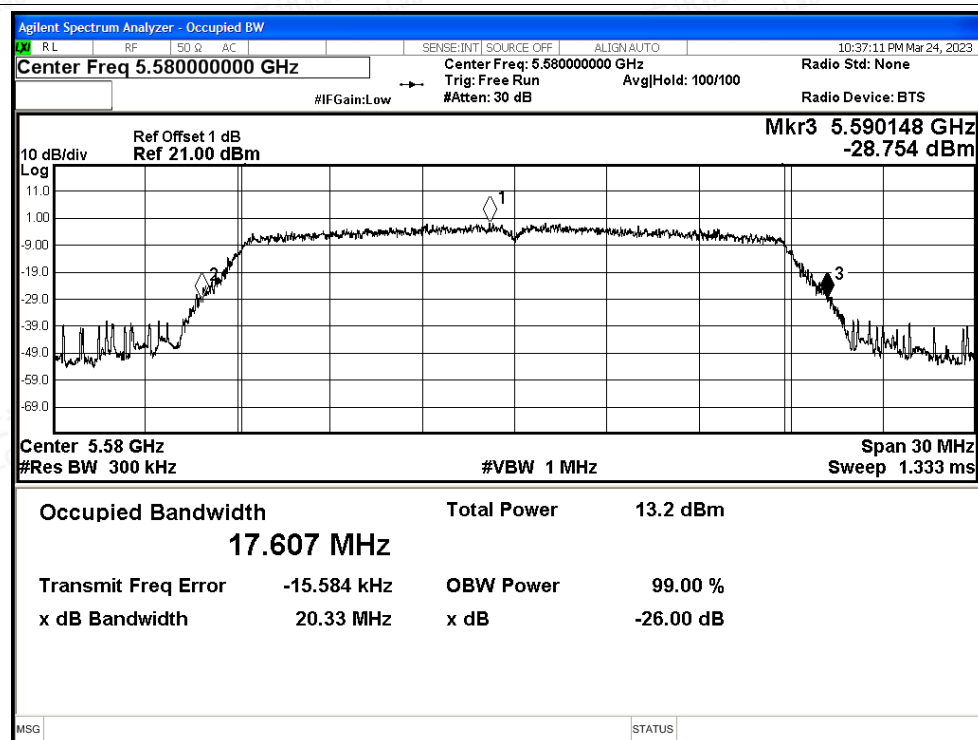


-26dB Bandwidth NVNT n20 5500MHz Ant0

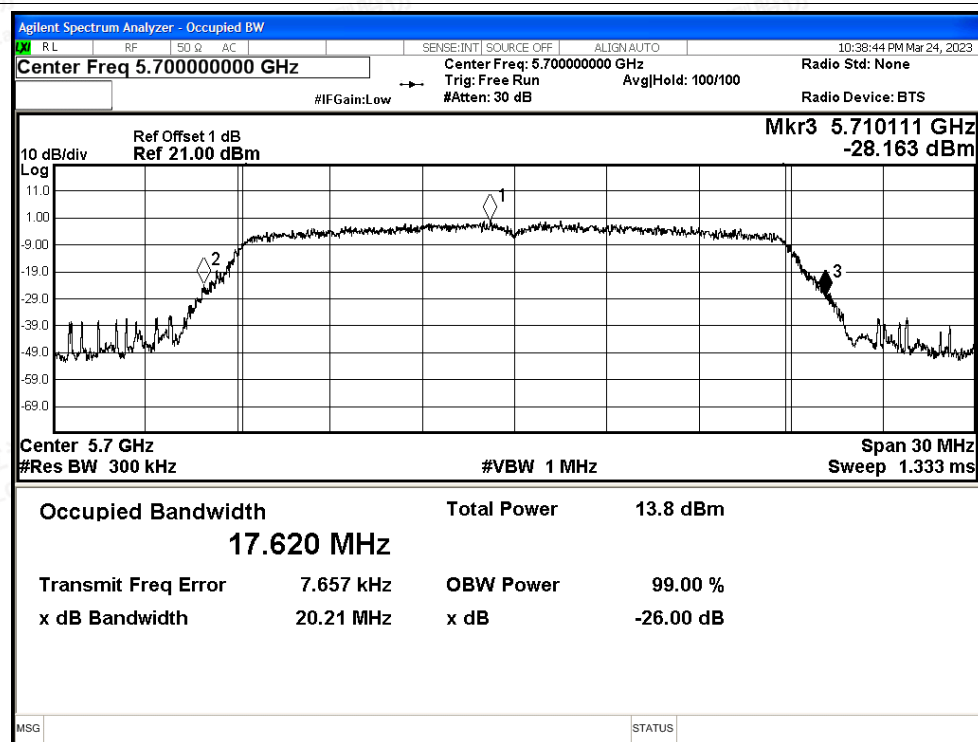




-26dB Bandwidth NVNT n20 5580MHz Ant0

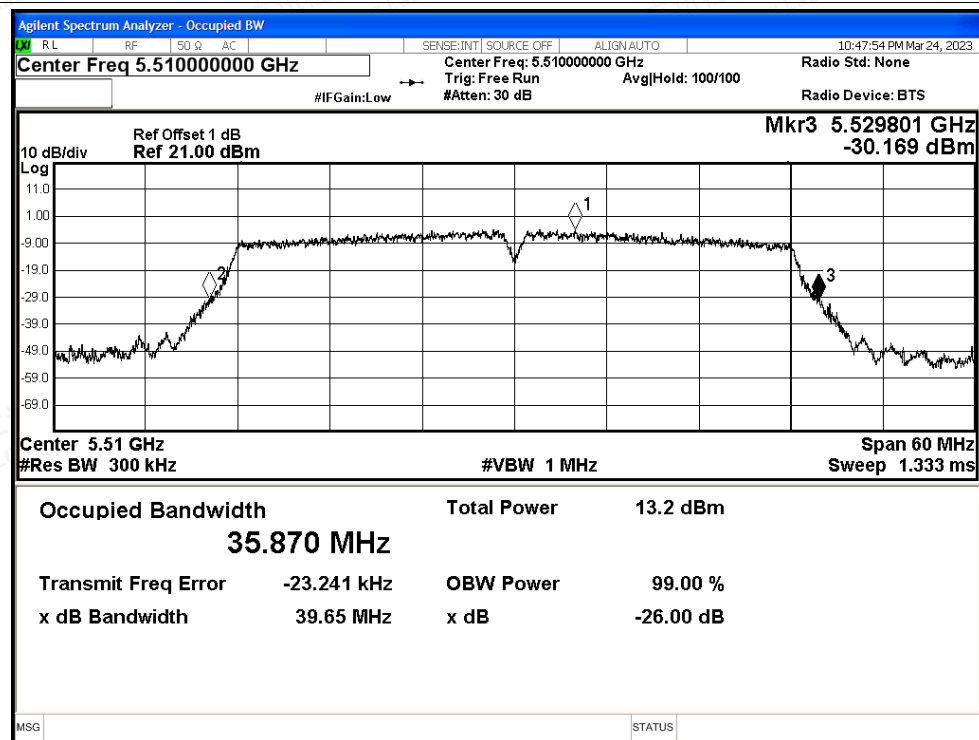


-26dB Bandwidth NVNT n20 5700MHz Ant0

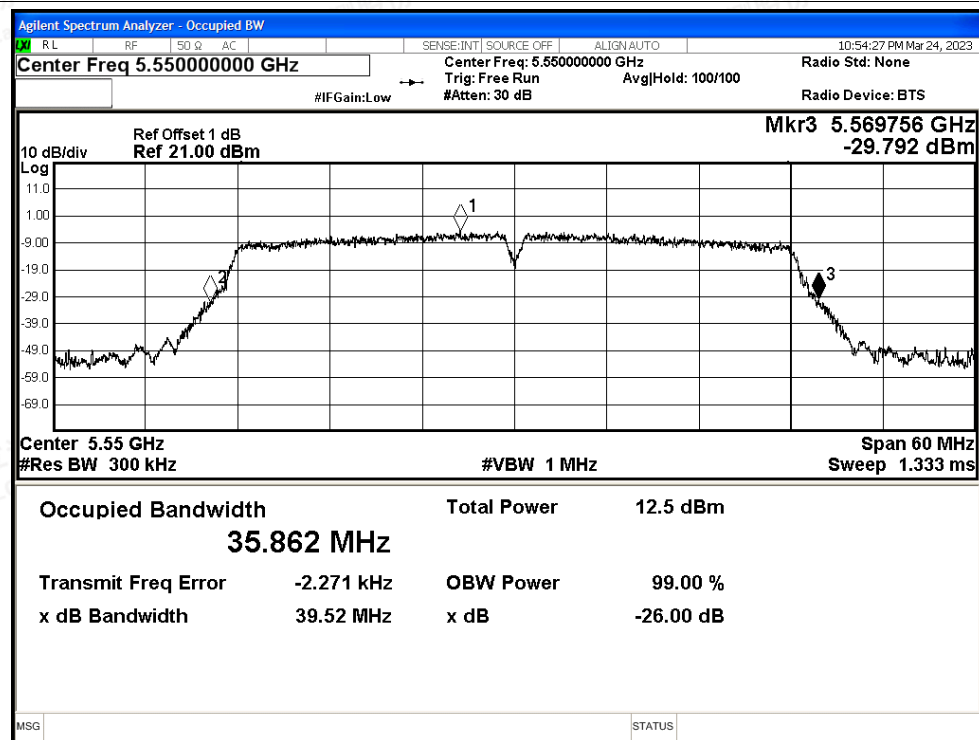




-26dB Bandwidth NVNT n40 5510MHz Ant0

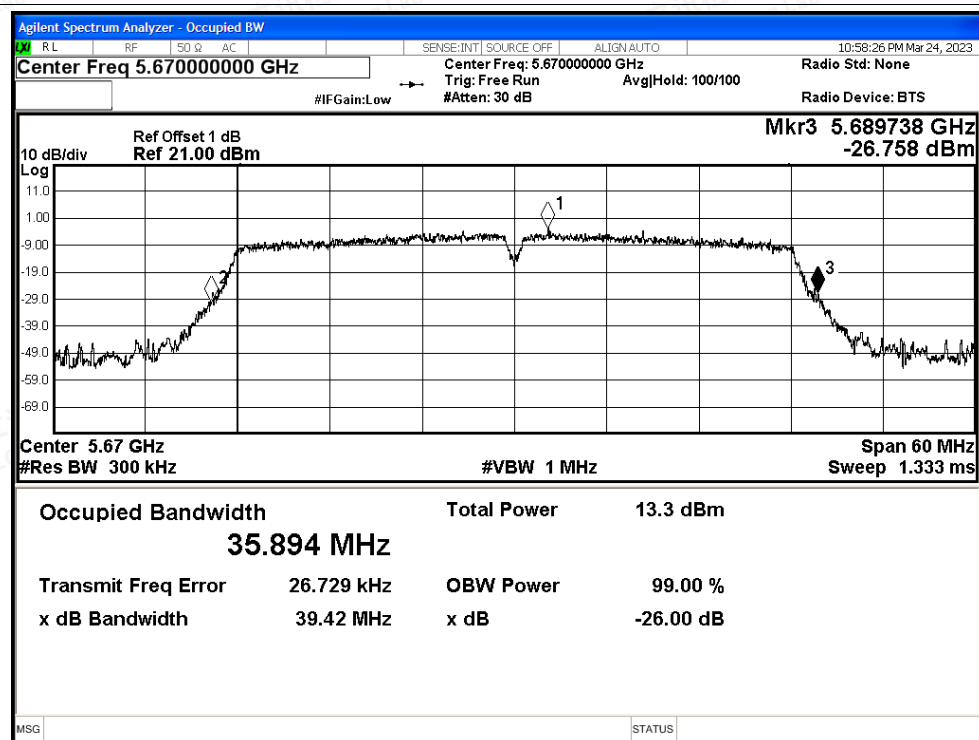


-26dB Bandwidth NVNT n40 5550MHz Ant0

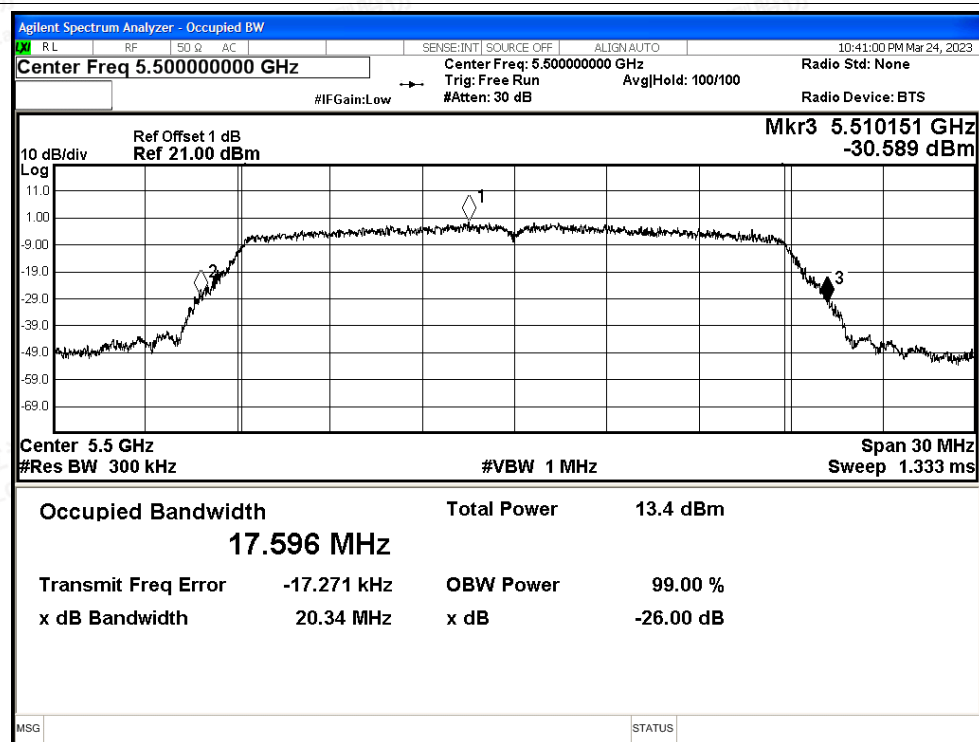




-26dB Bandwidth NVNT n40 5670MHz Ant0

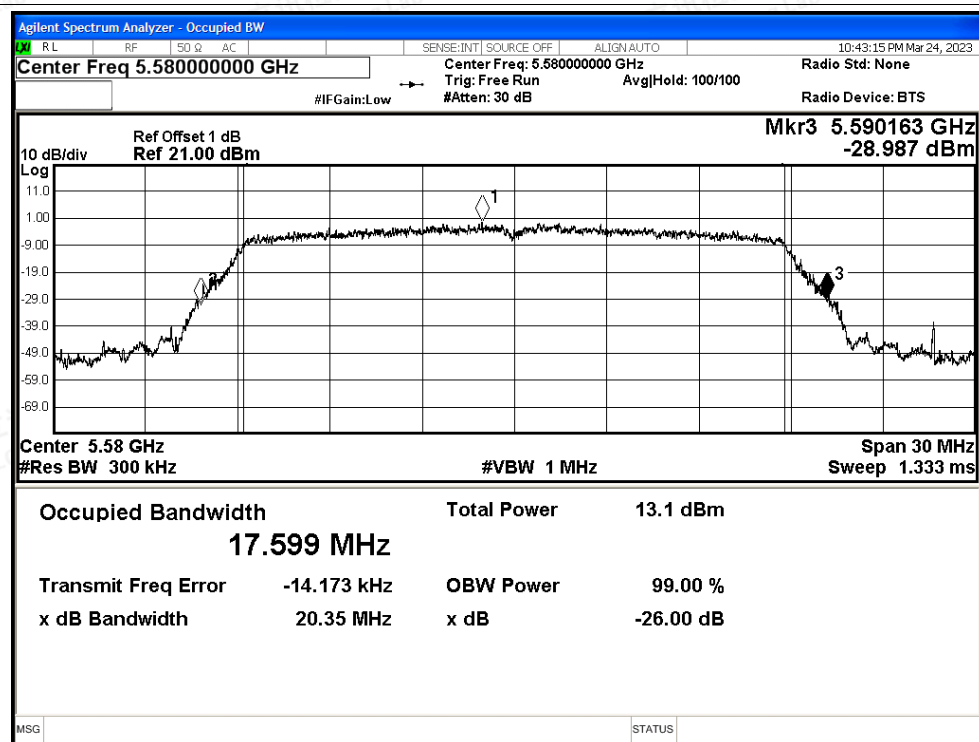


-26dB Bandwidth NVNT ac20 5500MHz Ant0

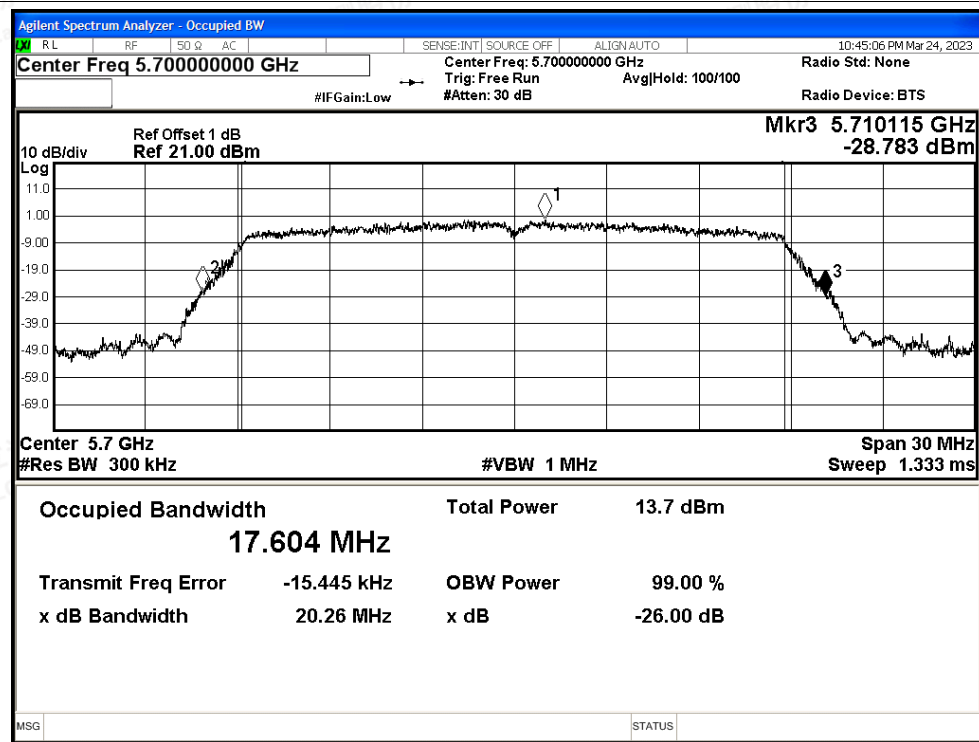




-26dB Bandwidth NVNT ac20 5580MHz Ant0

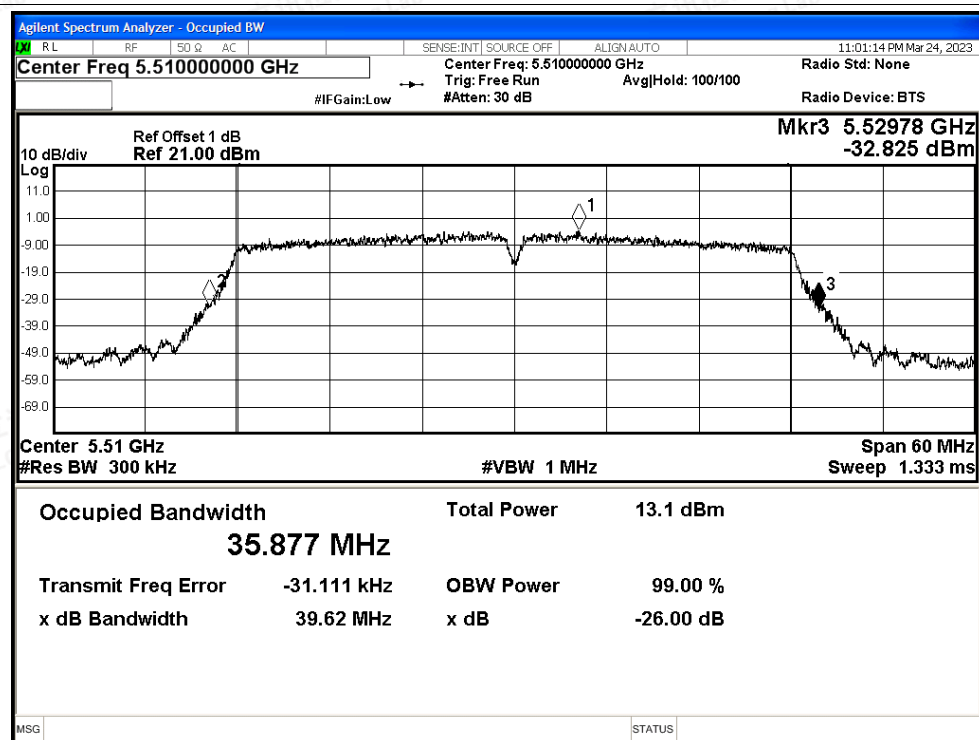


-26dB Bandwidth NVNT ac20 5700MHz Ant0

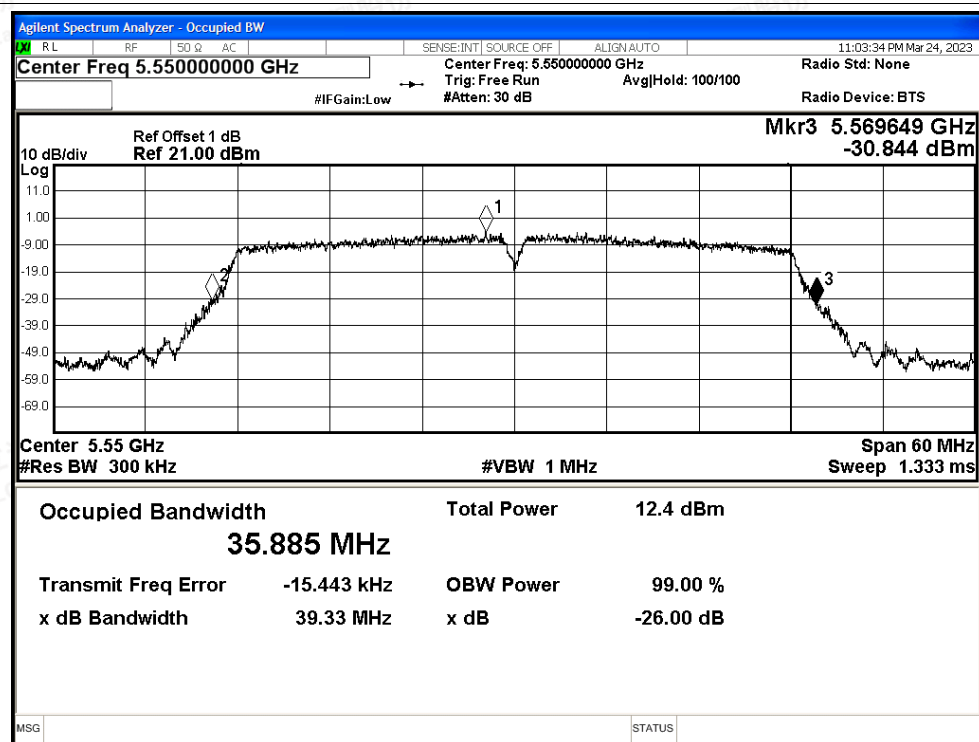




-26dB Bandwidth NVNT ac40 5510MHz Ant0

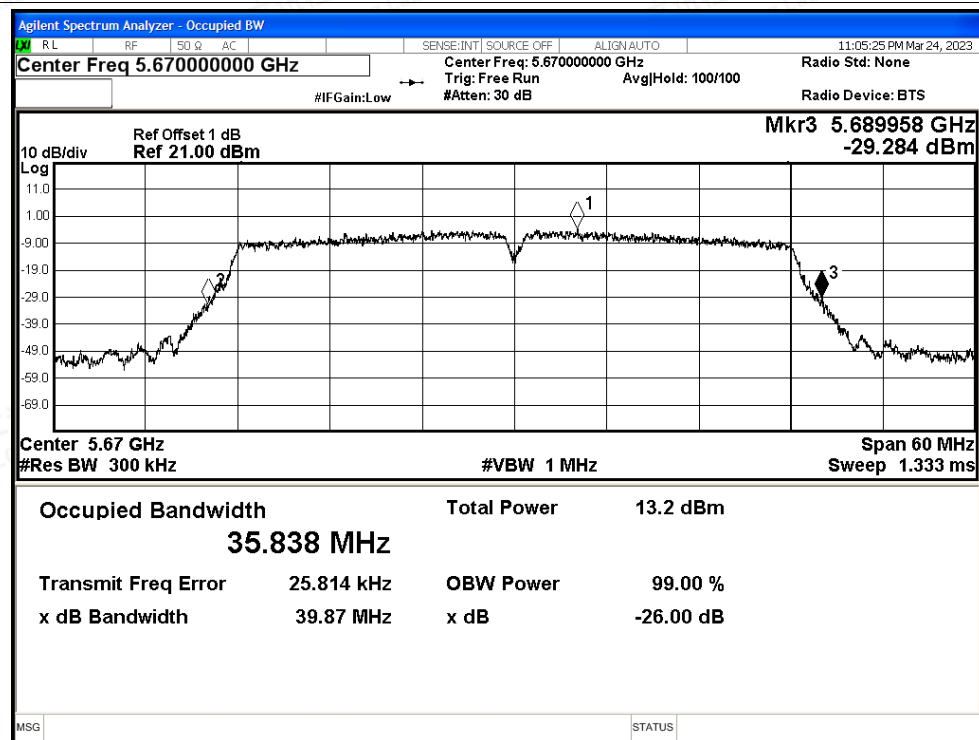


-26dB Bandwidth NVNT ac40 5550MHz Ant0

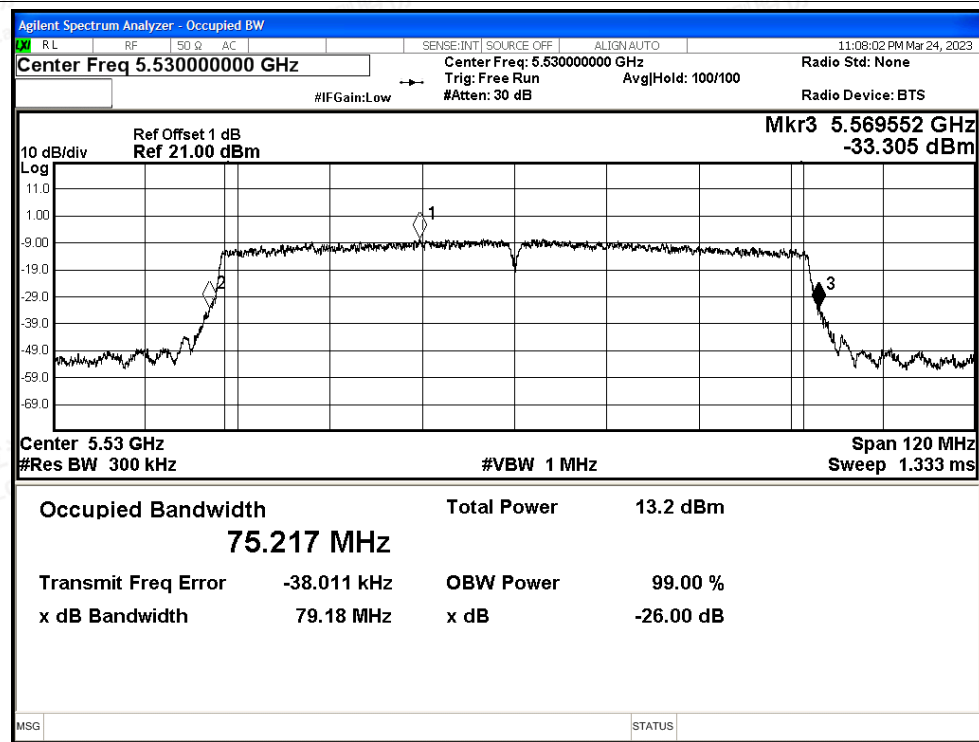




-26dB Bandwidth NVNT ac40 5670MHz Ant0



-26dB Bandwidth NVNT ac80 5530MHz Ant0

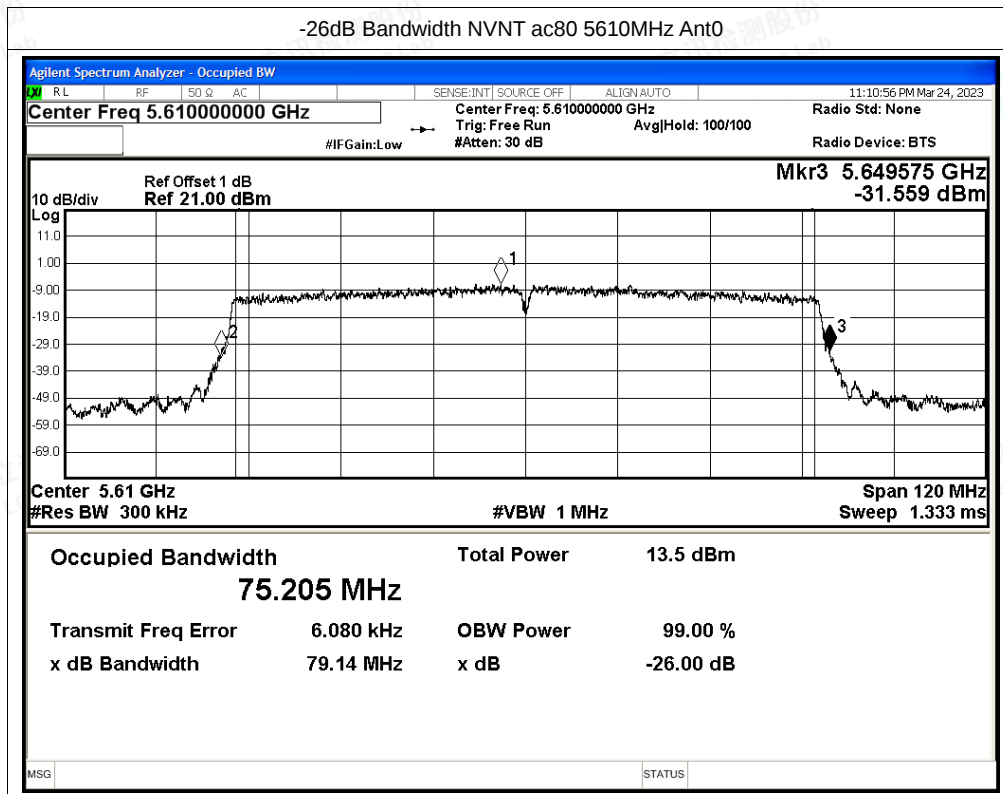


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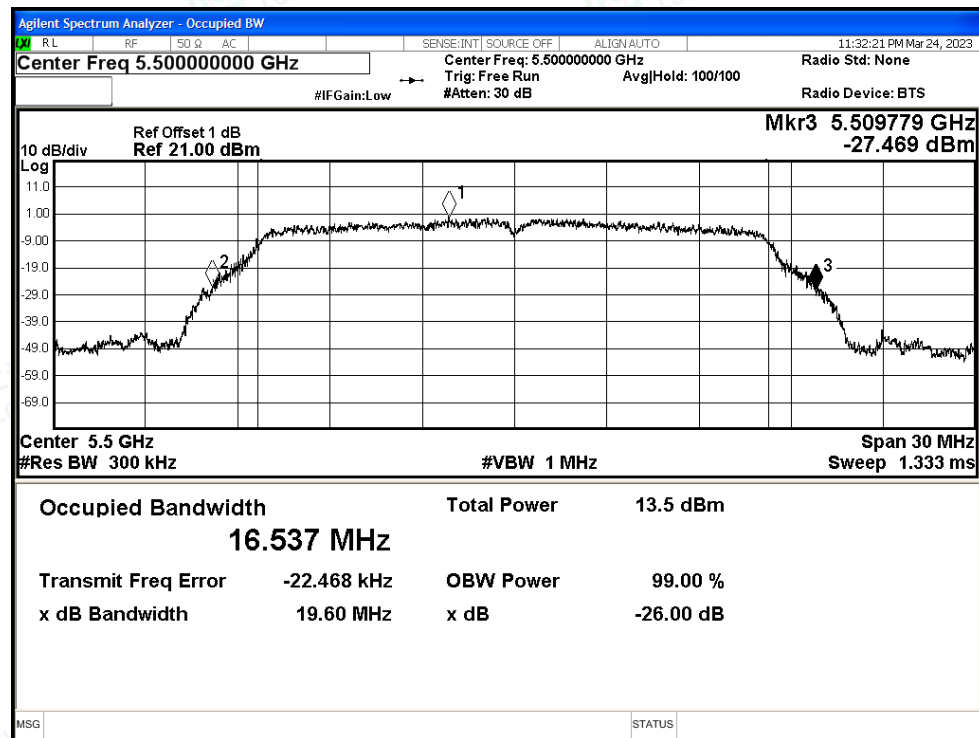
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	19.604	Pass
NVNT	a	5580	Ant1	19.769	Pass
NVNT	a	5700	Ant1	19.905	Pass
NVNT	n20	5500	Ant1	20.252	Pass
NVNT	n20	5580	Ant1	20.482	Pass
NVNT	n20	5700	Ant1	20.417	Pass
NVNT	n40	5510	Ant1	39.477	Pass
NVNT	n40	5550	Ant1	39.393	Pass
NVNT	n40	5670	Ant1	39.574	Pass
NVNT	ac20	5500	Ant1	20.353	Pass
NVNT	ac20	5580	Ant1	20.564	Pass
NVNT	ac20	5700	Ant1	20.228	Pass
NVNT	ac40	5510	Ant1	39.877	Pass
NVNT	ac40	5550	Ant1	39.995	Pass
NVNT	ac40	5670	Ant1	40.068	Pass
NVNT	ac80	5530	Ant1	79.41	Pass
NVNT	ac80	5610	Ant1	79.494	Pass



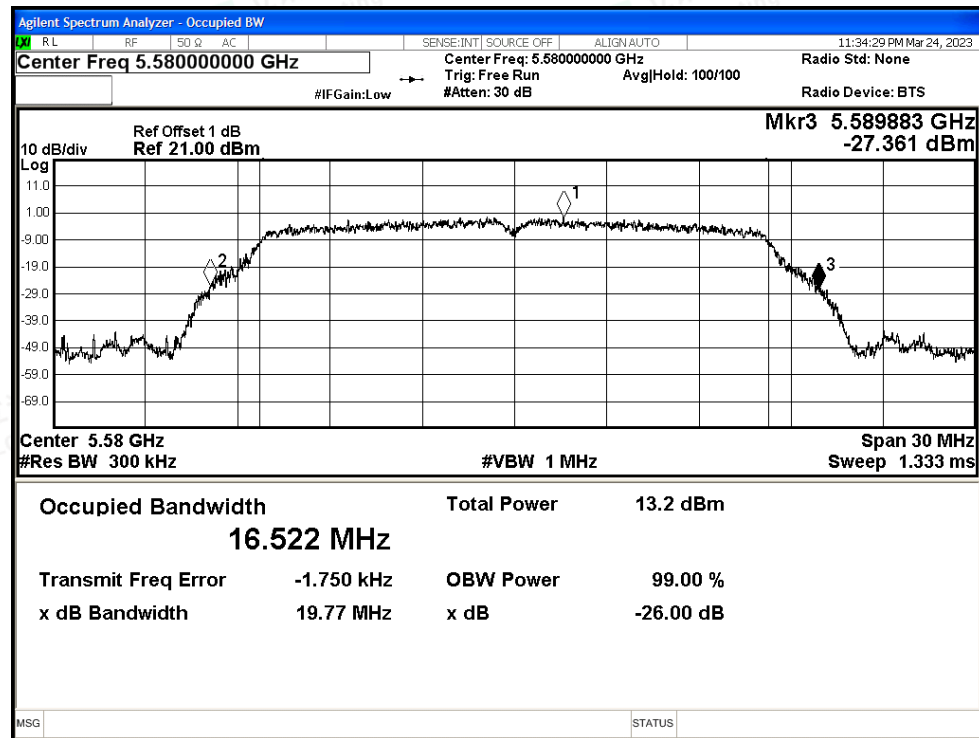


Test Graphs

-26dB Bandwidth NVNT a 5500MHz Ant1

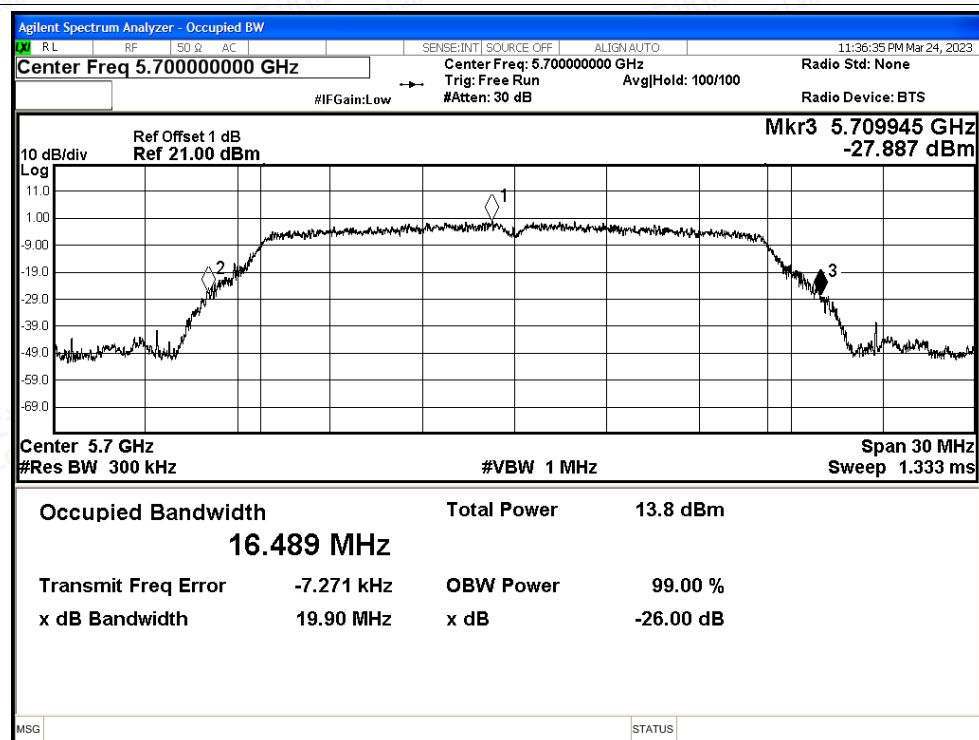


-26dB Bandwidth NVNT a 5580MHz Ant1

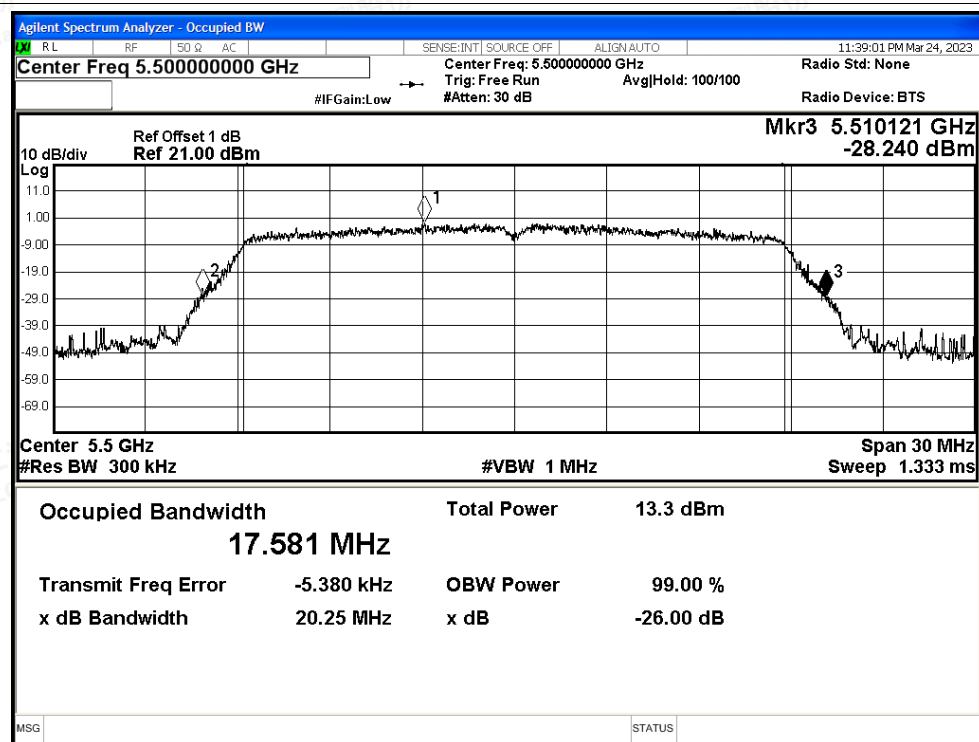




-26dB Bandwidth NVNT a 5700MHz Ant1



-26dB Bandwidth NVNT n20 5500MHz Ant1



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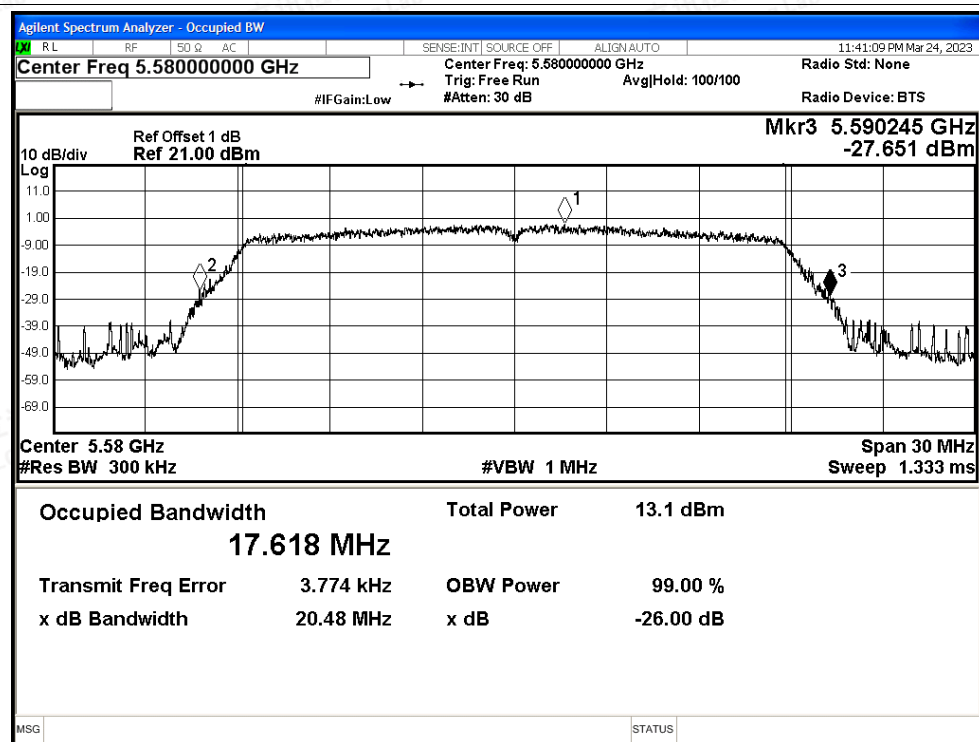
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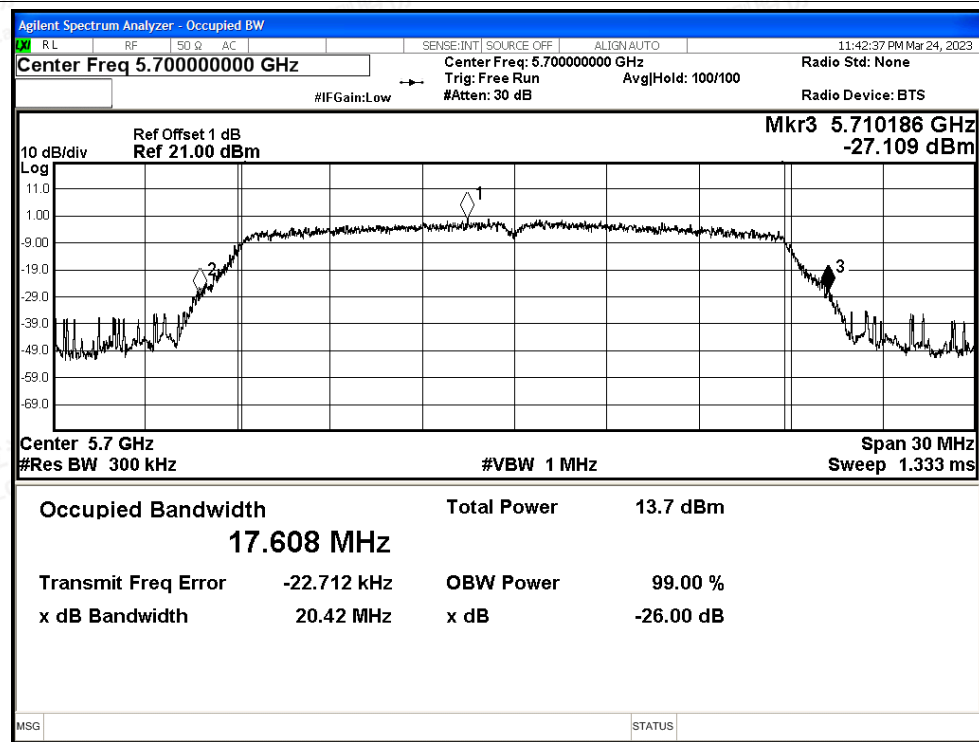
Scan code to check authenticity



-26dB Bandwidth NVNT n20 5580MHz Ant1

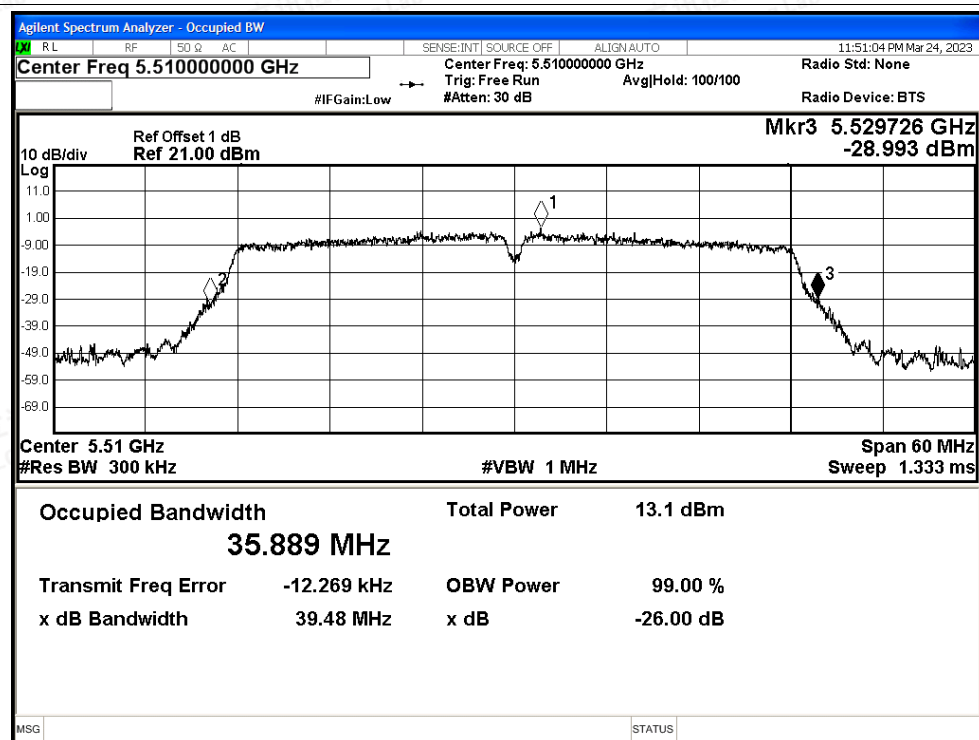


-26dB Bandwidth NVNT n20 5700MHz Ant1

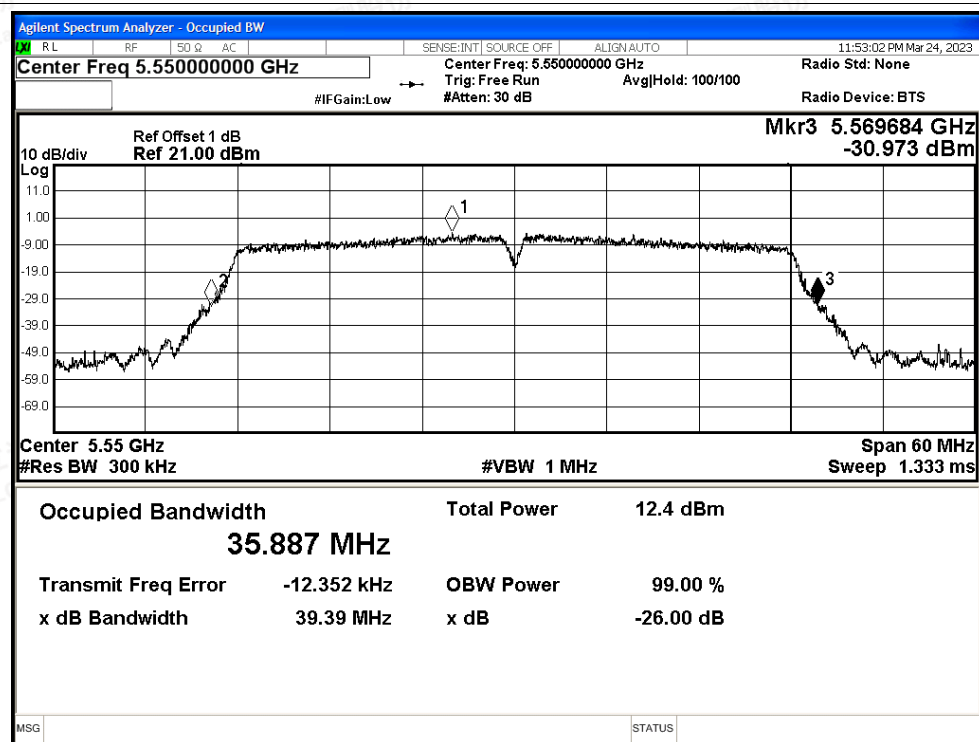




-26dB Bandwidth NVNT n40 5510MHz Ant1

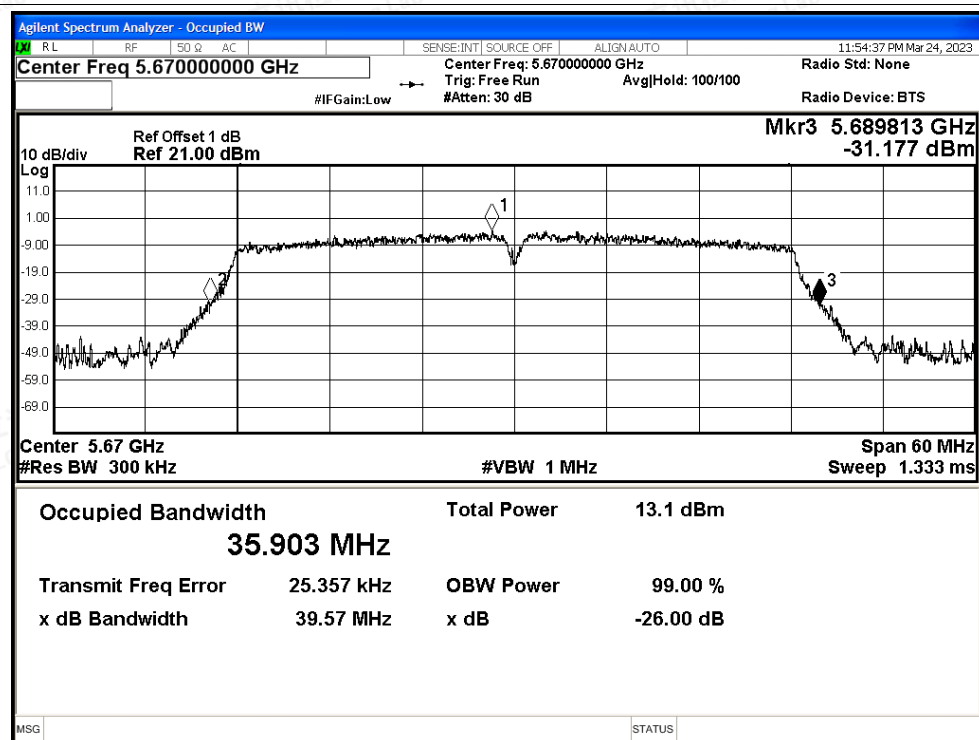


-26dB Bandwidth NVNT n40 5550MHz Ant1

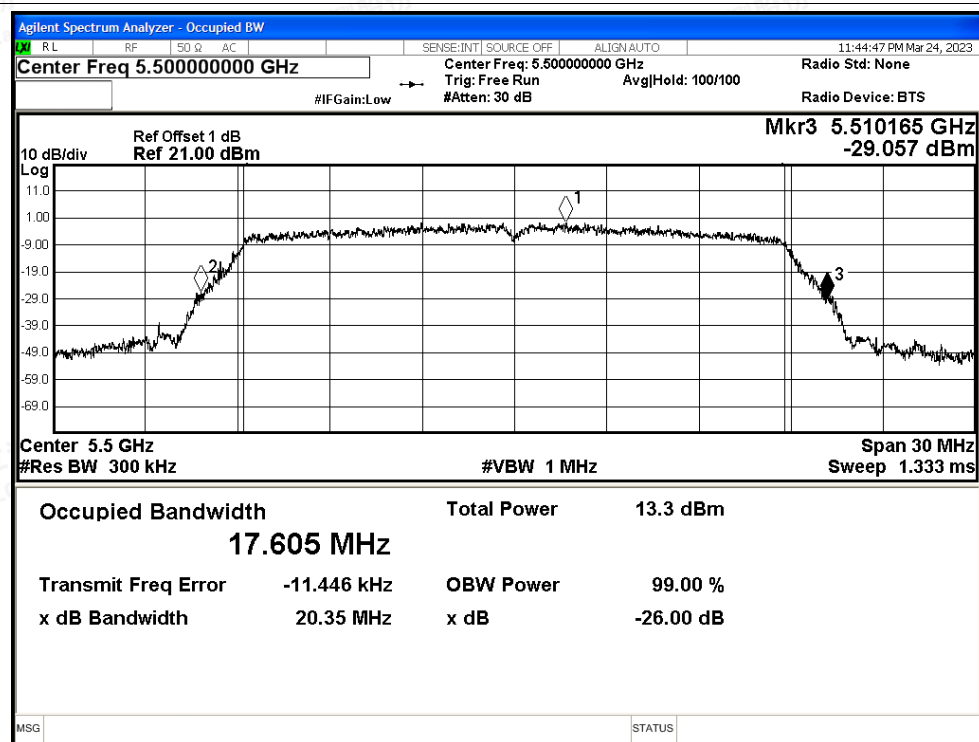




-26dB Bandwidth NVNT n40 5670MHz Ant1

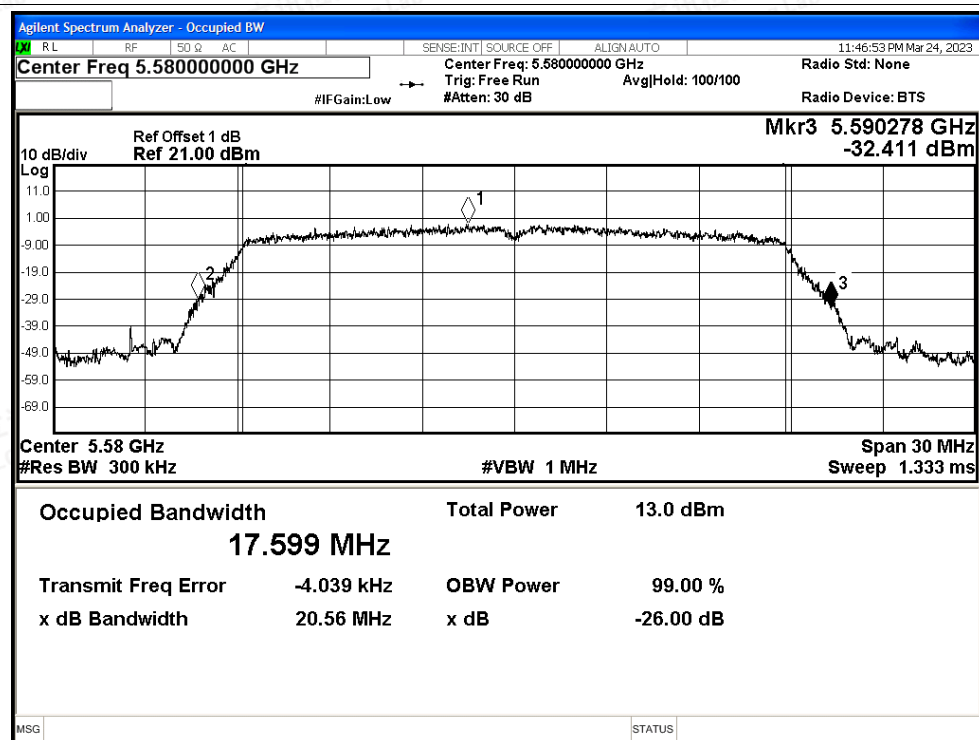


-26dB Bandwidth NVNT ac20 5500MHz Ant1

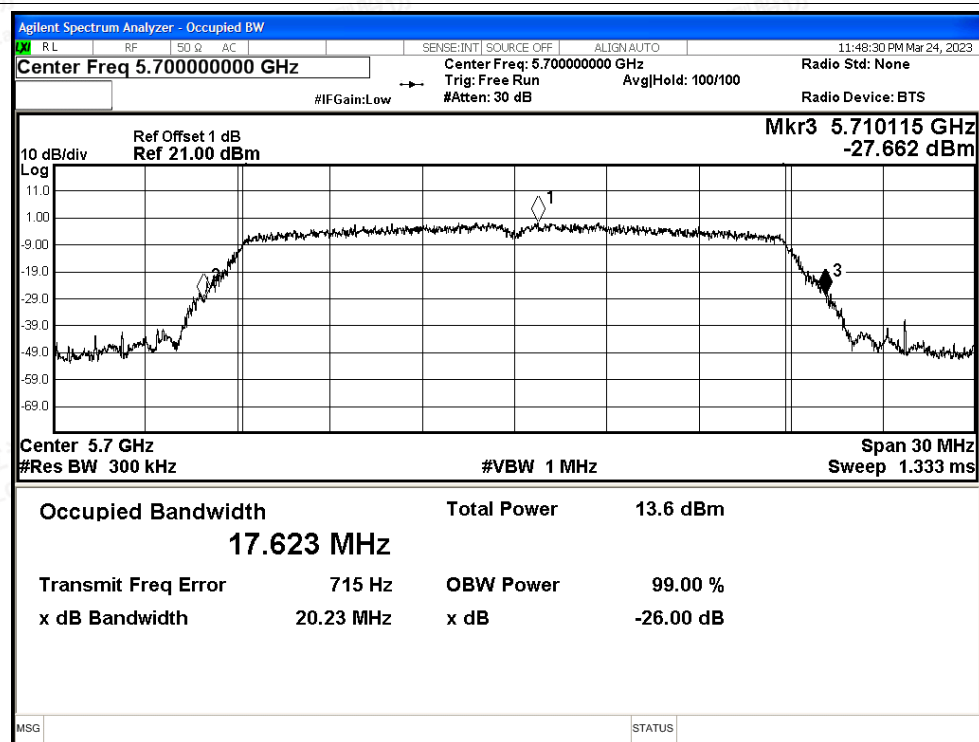




-26dB Bandwidth NVNT ac20 5580MHz Ant1



-26dB Bandwidth NVNT ac20 5700MHz Ant1



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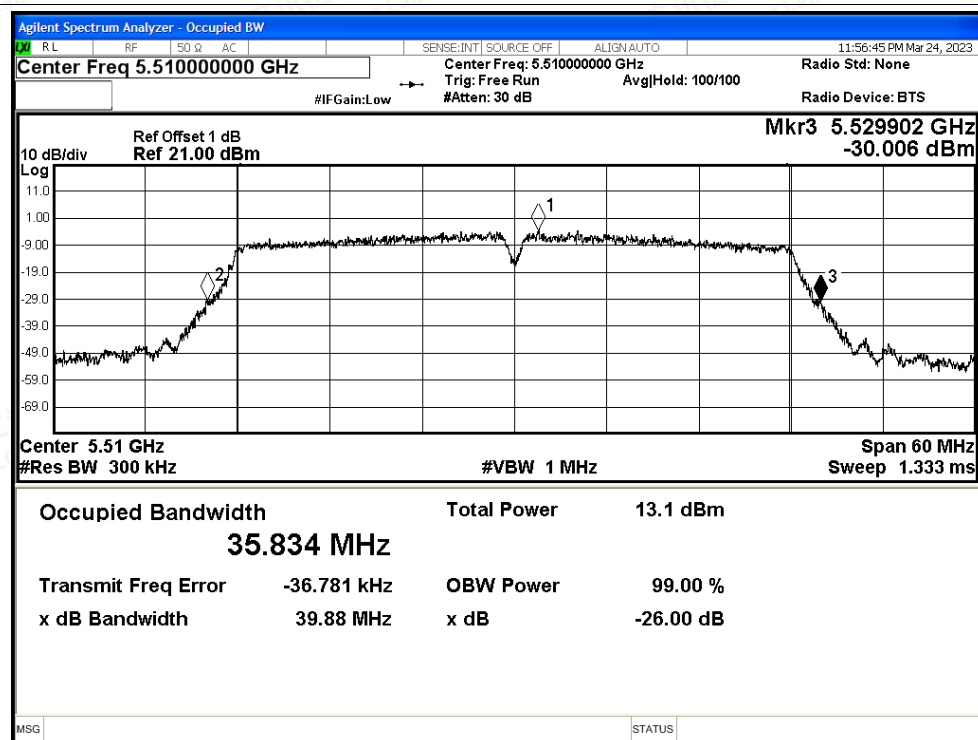
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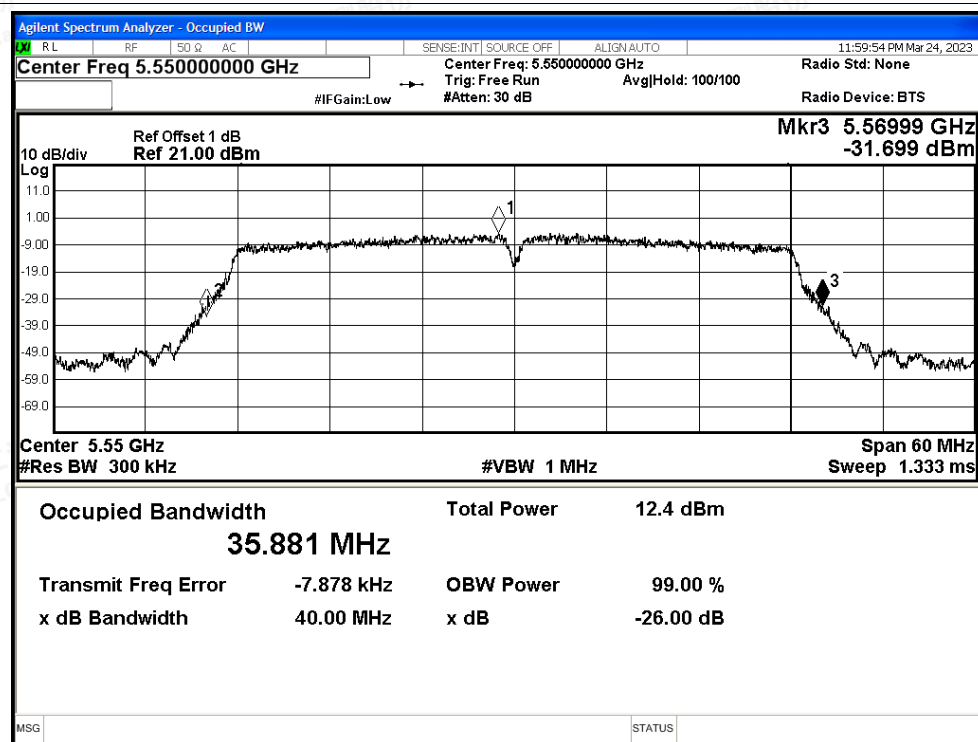
Scan code to check authenticity



-26dB Bandwidth NVNT ac40 5510MHz Ant1

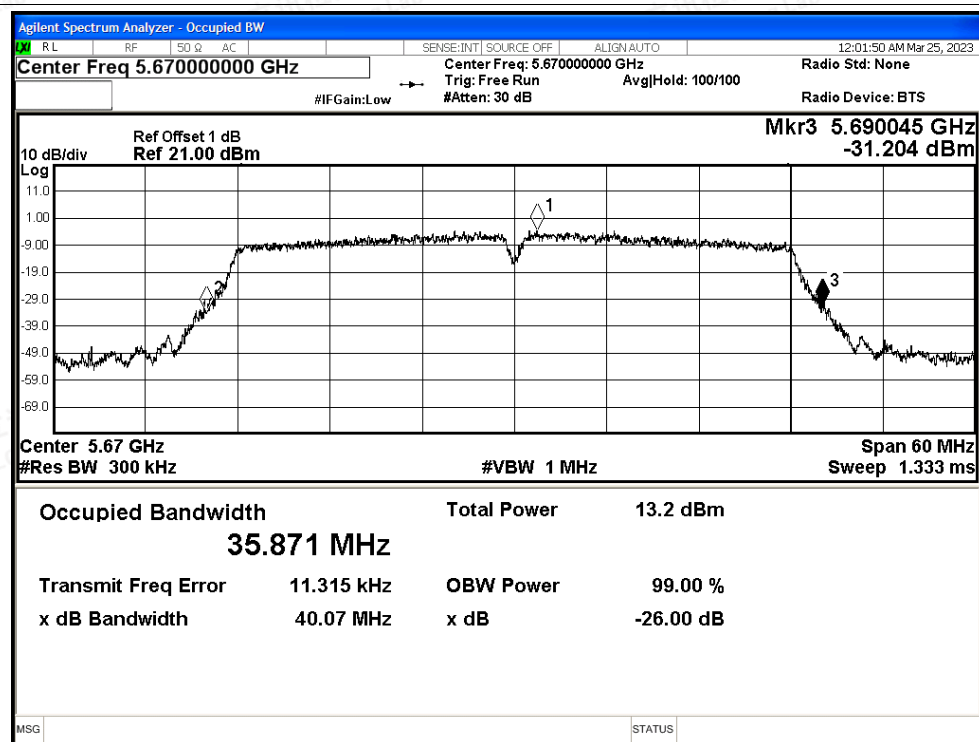


-26dB Bandwidth NVNT ac40 5550MHz Ant1

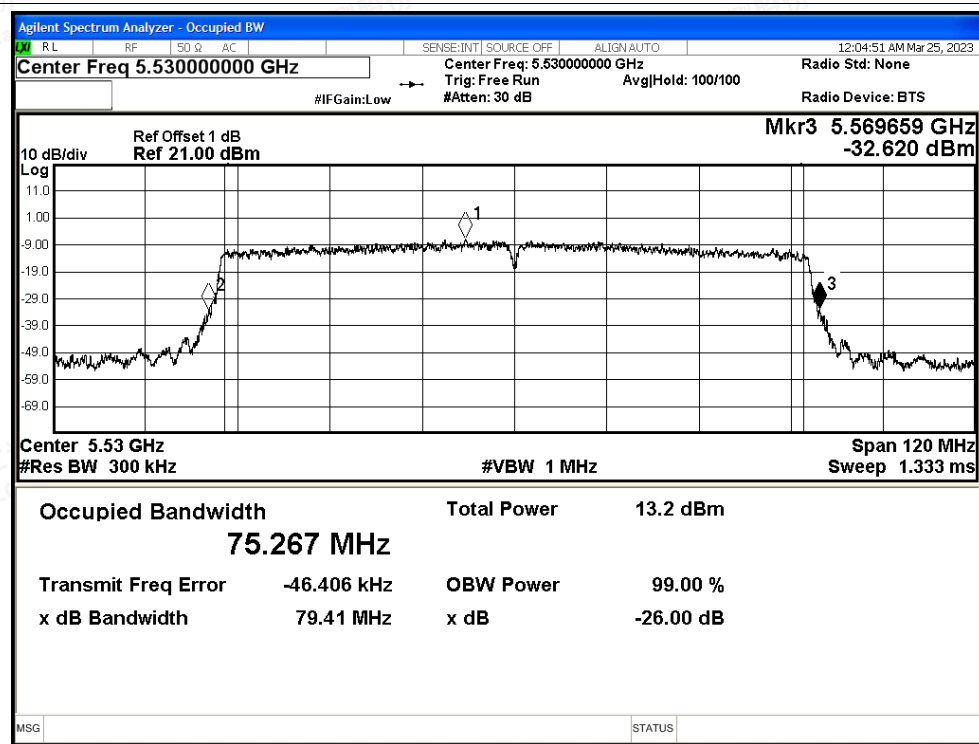




-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1

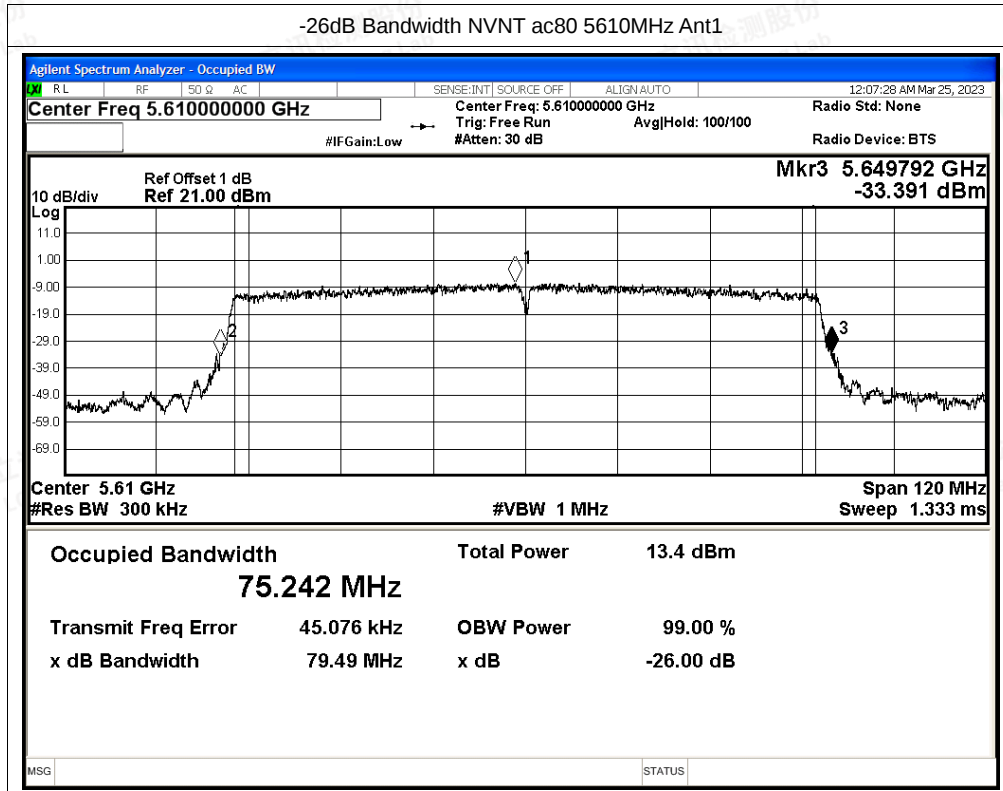


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F.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant0	6.22	0.11	6.33	24	Pass
NVNT	a	5580	Ant0	6.65	0.11	6.76	24	Pass
NVNT	a	5700	Ant0	6.61	0.11	6.72	24	Pass
NVNT	n20	5500	Ant0	6.16	0.12	6.28	24	Pass
NVNT	n20	5580	Ant0	6.49	0.12	6.61	24	Pass
NVNT	n20	5700	Ant0	6.43	0.12	6.55	24	Pass
NVNT	n40	5510	Ant0	5.98	0.23	6.21	24	Pass
NVNT	n40	5550	Ant0	6.93	0.22	7.15	24	Pass
NVNT	n40	5670	Ant0	6.07	0.22	6.29	24	Pass
NVNT	ac20	5500	Ant0	6.07	0.12	6.19	24	Pass
NVNT	ac20	5580	Ant0	5.96	0.12	6.08	24	Pass
NVNT	ac20	5700	Ant0	6.46	0.12	6.58	24	Pass
NVNT	ac40	5510	Ant0	6.04	0.23	6.27	24	Pass
NVNT	ac40	5550	Ant0	6.55	0.22	6.77	24	Pass
NVNT	ac40	5670	Ant0	6.09	0.23	6.32	24	Pass
NVNT	ac80	5530	Ant0	6.51	0.45	6.96	24	Pass
NVNT	ac80	5610	Ant0	5.94	0.45	6.39	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	6.35	0.11	6.46	24	Pass
NVNT	a	5580	Ant1	6.71	0.11	6.82	24	Pass
NVNT	a	5700	Ant1	6.6	0.11	6.71	24	Pass
NVNT	n20	5500	Ant1	6.19	0.12	6.31	24	Pass
NVNT	n20	5580	Ant1	6.5	0.12	6.62	24	Pass
NVNT	n20	5700	Ant1	6.42	0.12	6.54	24	Pass
NVNT	n40	5510	Ant1	6.01	0.23	6.24	24	Pass
NVNT	n40	5550	Ant1	7.03	0.23	7.26	24	Pass
NVNT	n40	5670	Ant1	6.54	0.23	6.77	24	Pass
NVNT	ac20	5500	Ant1	6.2	0.12	6.32	24	Pass
NVNT	ac20	5580	Ant1	6.54	0.11	6.65	24	Pass
NVNT	ac20	5700	Ant1	6.52	0.12	6.64	24	Pass
NVNT	ac40	5510	Ant1	5.98	0.23	6.21	24	Pass
NVNT	ac40	5550	Ant1	6.57	0.23	6.80	24	Pass
NVNT	ac40	5670	Ant1	6.51	0.23	6.74	24	Pass
NVNT	ac80	5530	Ant1	6.47	0.45	6.92	24	Pass
NVNT	ac80	5610	Ant1	7.09	0.43	7.52	24	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5500	6.28	6.31	9.31	23.19	Pass
NVNT	n20	5580	6.61	6.62	9.63	23.19	Pass
NVNT	n20	5700	6.55	6.54	9.56	23.19	Pass
NVNT	n40	5510	6.21	6.24	9.24	23.19	Pass
NVNT	n40	5550	7.15	7.26	10.22	23.19	Pass
NVNT	n40	5670	6.29	6.77	9.55	23.19	Pass
NVNT	ac20	5500	6.19	6.32	9.27	23.19	Pass
NVNT	ac20	5580	6.08	6.65	9.38	23.19	Pass
NVNT	ac20	5700	6.58	6.64	9.62	23.19	Pass
NVNT	ac40	5510	6.27	6.21	9.25	23.19	Pass
NVNT	ac40	5550	6.77	6.80	9.80	23.19	Pass
NVNT	ac40	5670	6.32	6.74	9.55	23.19	Pass
NVNT	ac80	5530	6.96	6.92	9.95	23.19	Pass
NVNT	ac80	5610	6.39	7.52	10.00	23.19	Pass





F.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	5500	Ant0	-3.61	0.11	-3.5	11	Pass
NVNT	a	5580	Ant0	-4.19	0.11	-4.08	11	Pass
NVNT	a	5700	Ant0	-4.13	0.11	-4.02	11	Pass
NVNT	n20	5500	Ant0	-4.13	0.12	-4.01	11	Pass
NVNT	n20	5580	Ant0	-4.01	0.12	-3.89	11	Pass
NVNT	n20	5700	Ant0	-3.77	0.12	-3.65	11	Pass
NVNT	n40	5510	Ant0	-8.02	0.23	-7.79	11	Pass
NVNT	n40	5550	Ant0	-9.27	0.22	-9.05	11	Pass
NVNT	n40	5670	Ant0	-8.36	0.22	-8.14	11	Pass
NVNT	ac20	5500	Ant0	-4.46	0.12	-4.34	11	Pass
NVNT	ac20	5580	Ant0	-4.36	0.12	-4.24	11	Pass
NVNT	ac20	5700	Ant0	-3.73	0.12	-3.61	11	Pass
NVNT	ac40	5510	Ant0	-8.58	0.23	-8.35	11	Pass
NVNT	ac40	5550	Ant0	-9.28	0.22	-9.06	11	Pass
NVNT	ac40	5670	Ant0	-7.39	0.23	-7.16	11	Pass
NVNT	ac80	5530	Ant0	-13.6	0.45	-13.15	11	Pass
NVNT	ac80	5610	Ant0	-13.71	0.45	-13.26	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-4.06	0.11	-3.95	11	Pass
NVNT	a	5580	Ant1	-3.64	0.11	-3.53	11	Pass
NVNT	a	5700	Ant1	-3.81	0.11	-3.7	11	Pass
NVNT	n20	5500	Ant1	-4.13	0.12	-4.01	11	Pass
NVNT	n20	5580	Ant1	-5.03	0.12	-4.91	11	Pass
NVNT	n20	5700	Ant1	-4.48	0.12	-4.36	11	Pass
NVNT	n40	5510	Ant1	-8.72	0.23	-8.49	11	Pass
NVNT	n40	5550	Ant1	-9.22	0.23	-8.99	11	Pass
NVNT	n40	5670	Ant1	-7.94	0.23	-7.71	11	Pass
NVNT	ac20	5500	Ant1	-4.94	0.12	-4.82	11	Pass
NVNT	ac20	5580	Ant1	-4.64	0.11	-4.53	11	Pass
NVNT	ac20	5700	Ant1	-4.92	0.12	-4.8	11	Pass
NVNT	ac40	5510	Ant1	-7.71	0.23	-7.48	11	Pass
NVNT	ac40	5550	Ant1	-8.75	0.23	-8.52	11	Pass
NVNT	ac40	5670	Ant1	-8.57	0.23	-8.34	11	Pass
NVNT	ac80	5530	Ant1	-13.33	0.45	-12.88	11	Pass
NVNT	ac80	5610	Ant1	-13.11	0.43	-12.68	11	Pass





MIMO

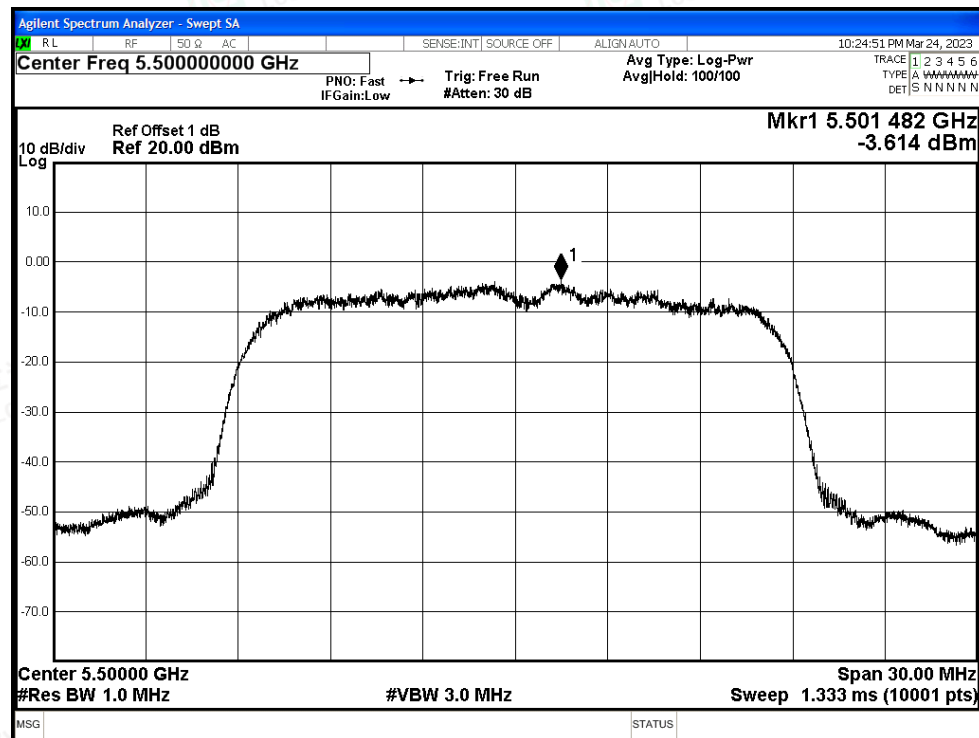
Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5500	-4.01	-4.01	-1.00	10.19	Pass
NVNT	n20	5580	-3.89	-4.91	-1.36	10.19	Pass
NVNT	n20	5700	-3.65	-4.36	-0.98	10.19	Pass
NVNT	n40	5510	-7.79	-8.49	-5.12	10.19	Pass
NVNT	n40	5550	-9.05	-8.99	-6.01	10.19	Pass
NVNT	n40	5670	-8.14	-7.71	-4.91	10.19	Pass
NVNT	ac20	5500	-4.34	-4.82	-1.56	10.19	Pass
NVNT	ac20	5580	-4.24	-4.53	-1.37	10.19	Pass
NVNT	ac20	5700	-3.61	-4.8	-1.15	10.19	Pass
NVNT	ac40	5510	-8.35	-7.48	-4.88	10.19	Pass
NVNT	ac40	5550	-9.06	-8.52	-5.77	10.19	Pass
	ac40	5670	-7.16	-8.34	-4.70	10.19	Pass
	ac80	5530	-13.15	-12.88	-10.00	10.19	Pass
	ac80	5610	-13.26	-12.68	-9.95	10.19	Pass



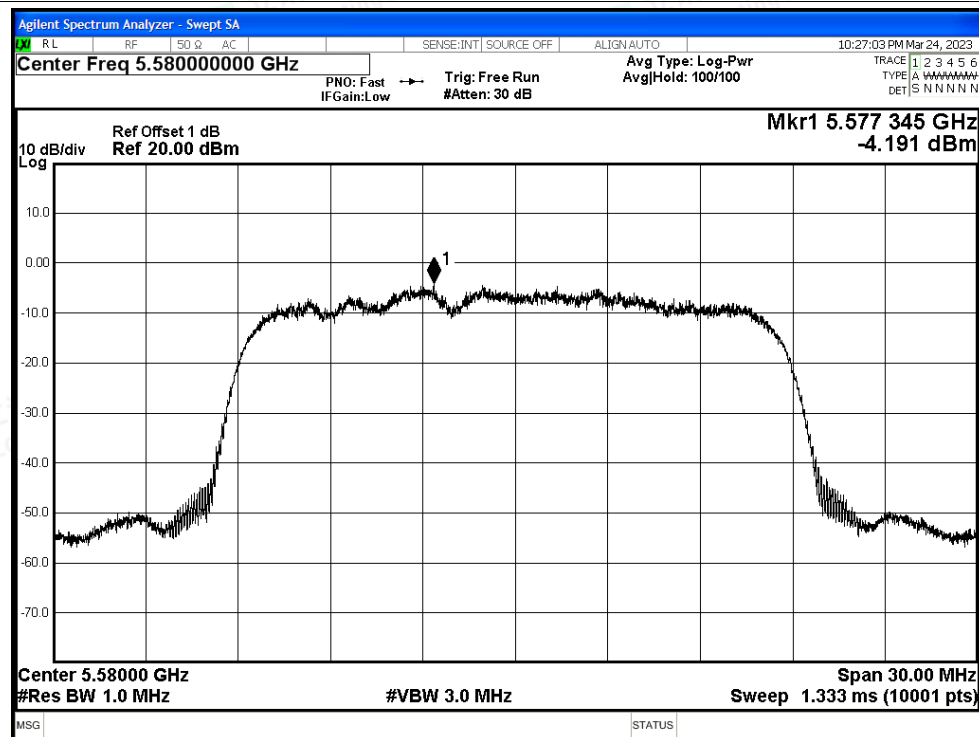


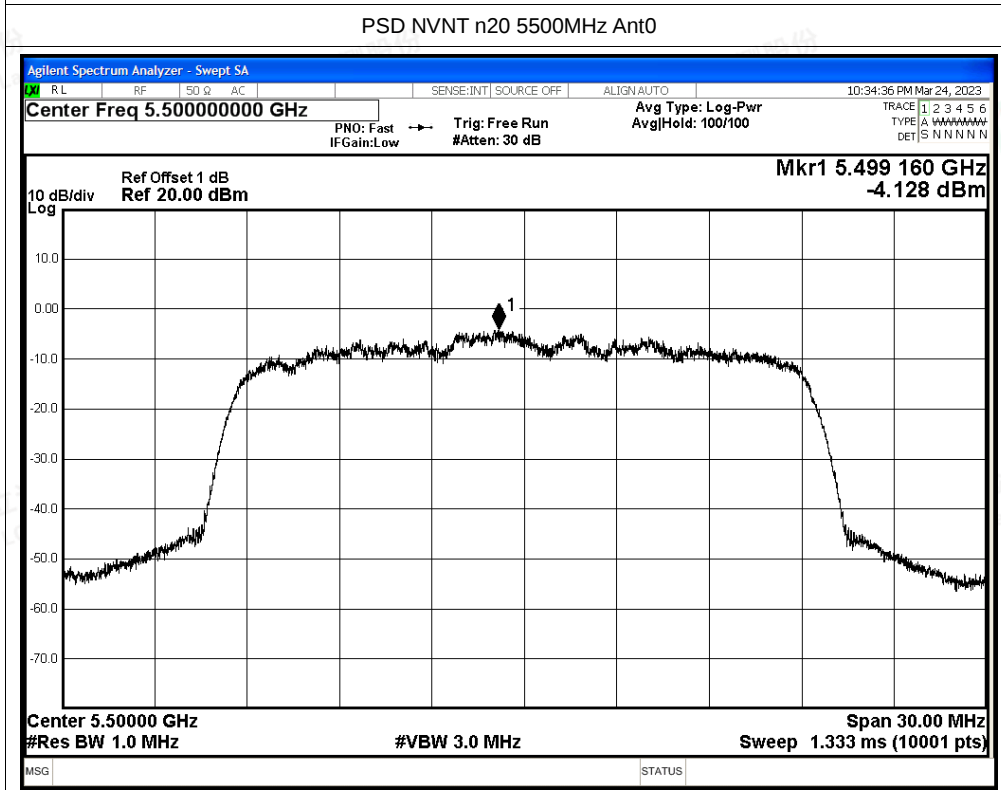
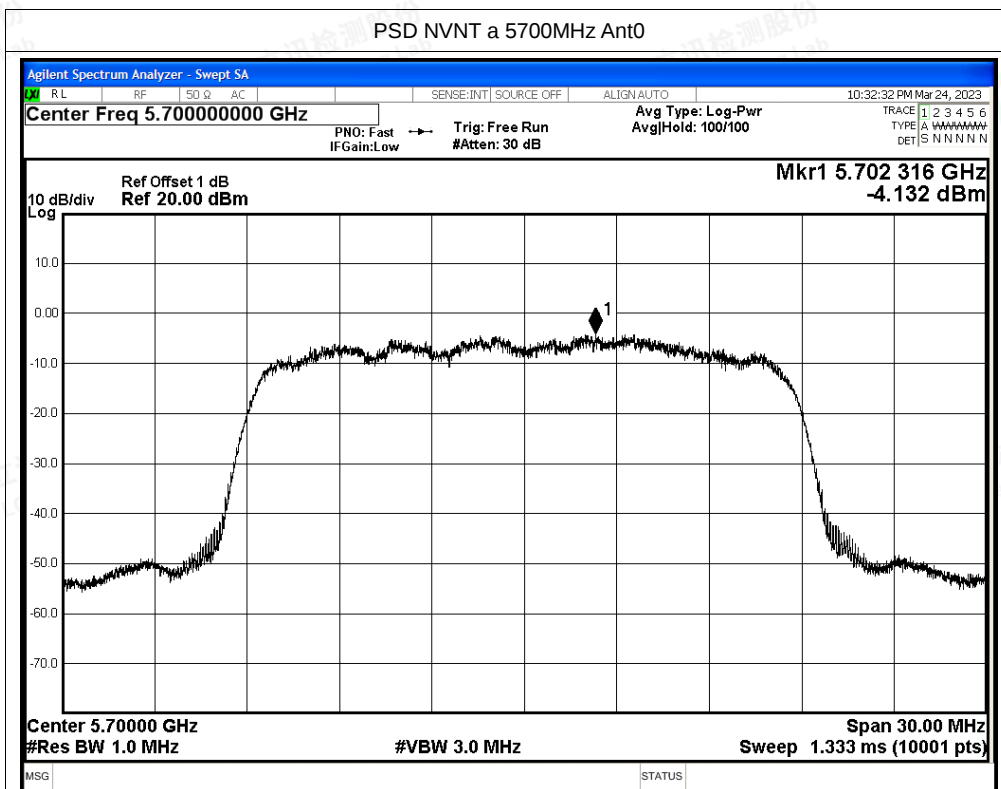
Test Graphs

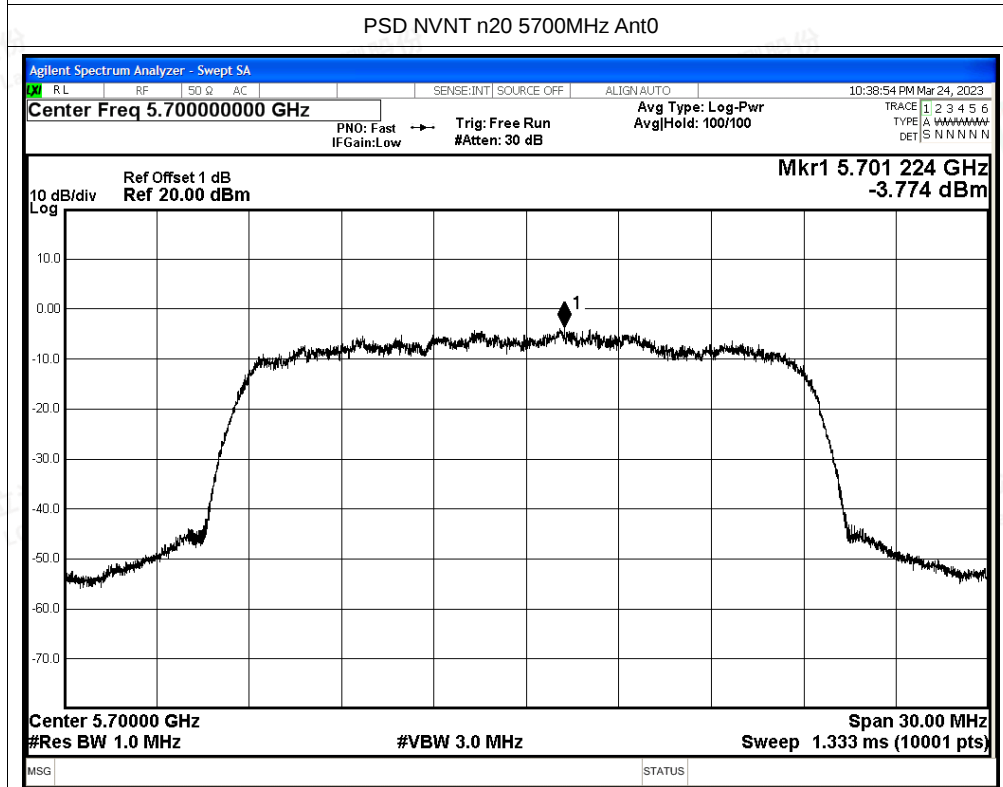
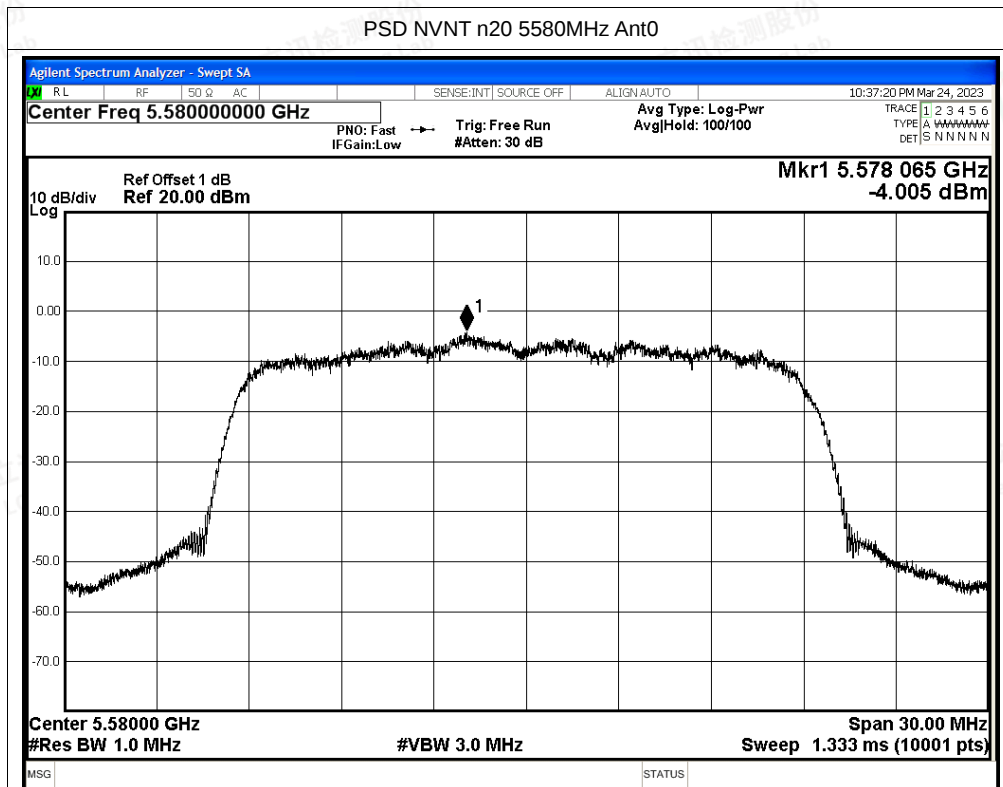
PSD NVNT a 5500MHz Ant0

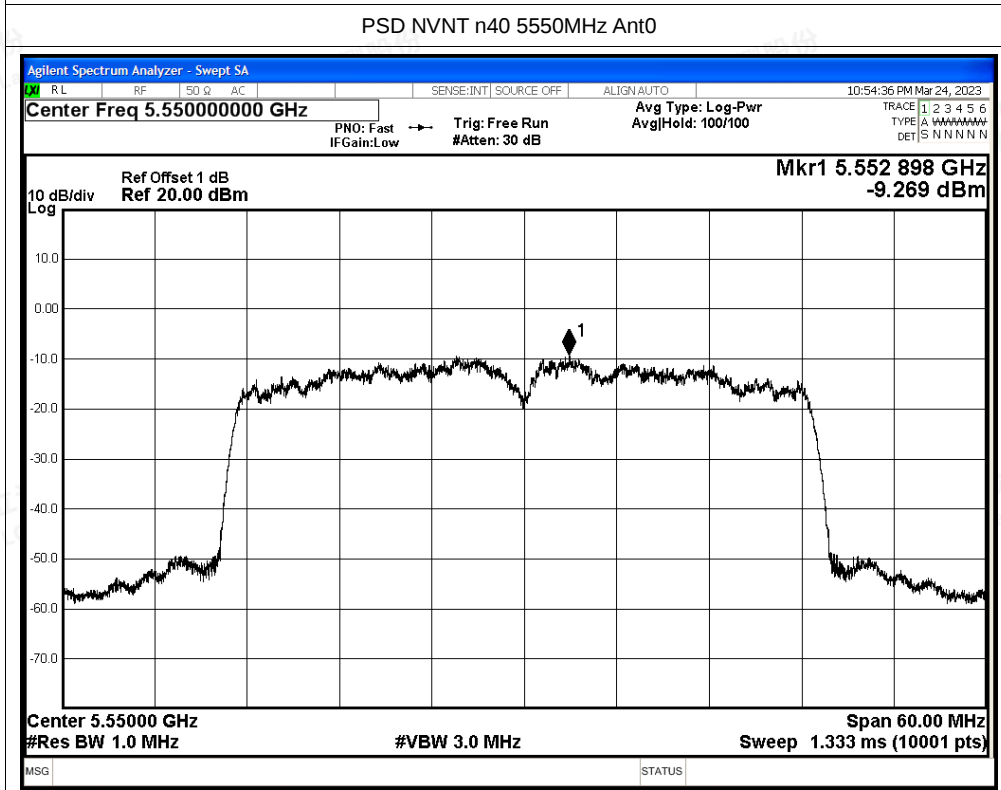
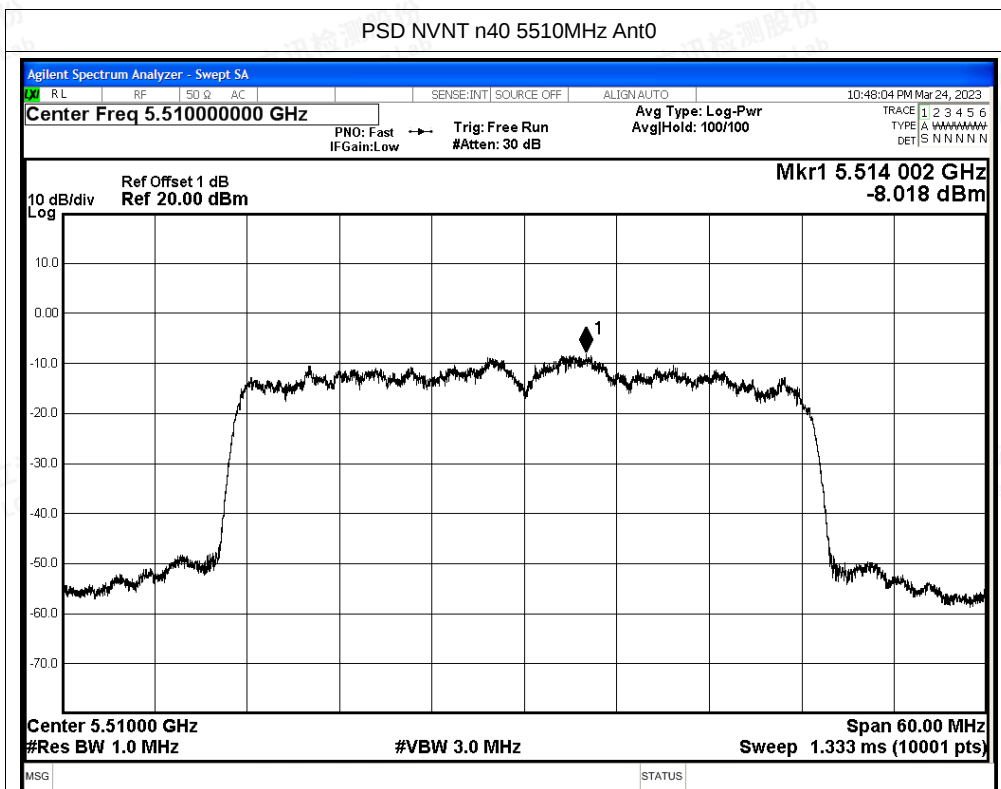


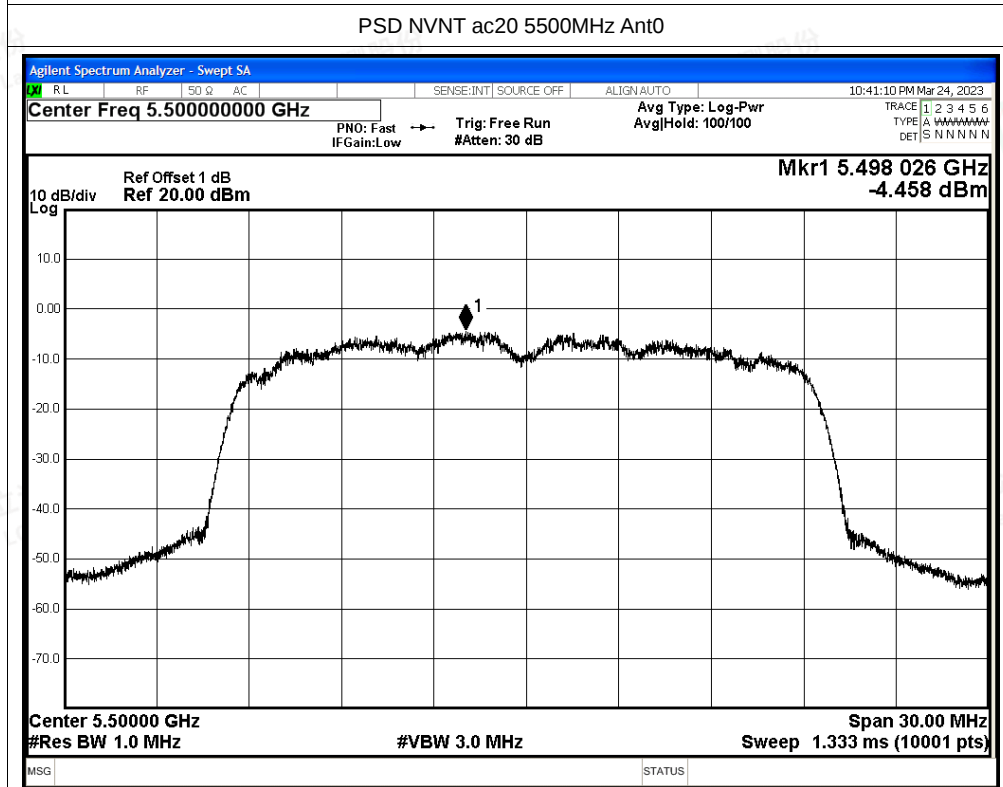
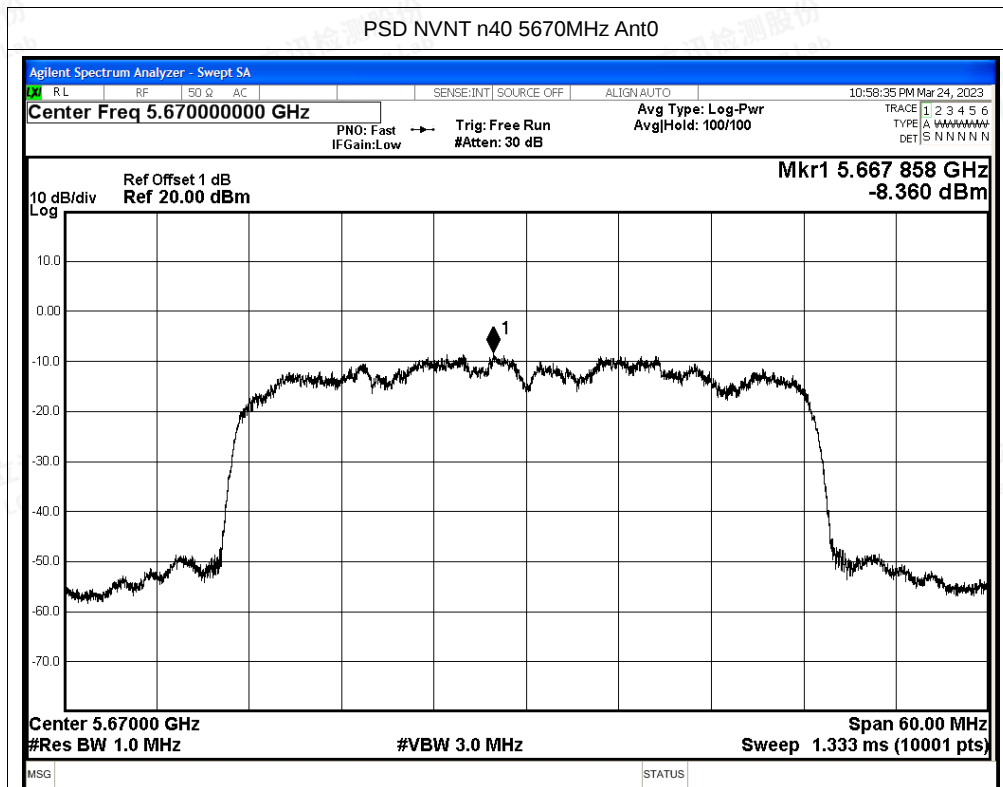
PSD NVNT a 5580MHz Ant0

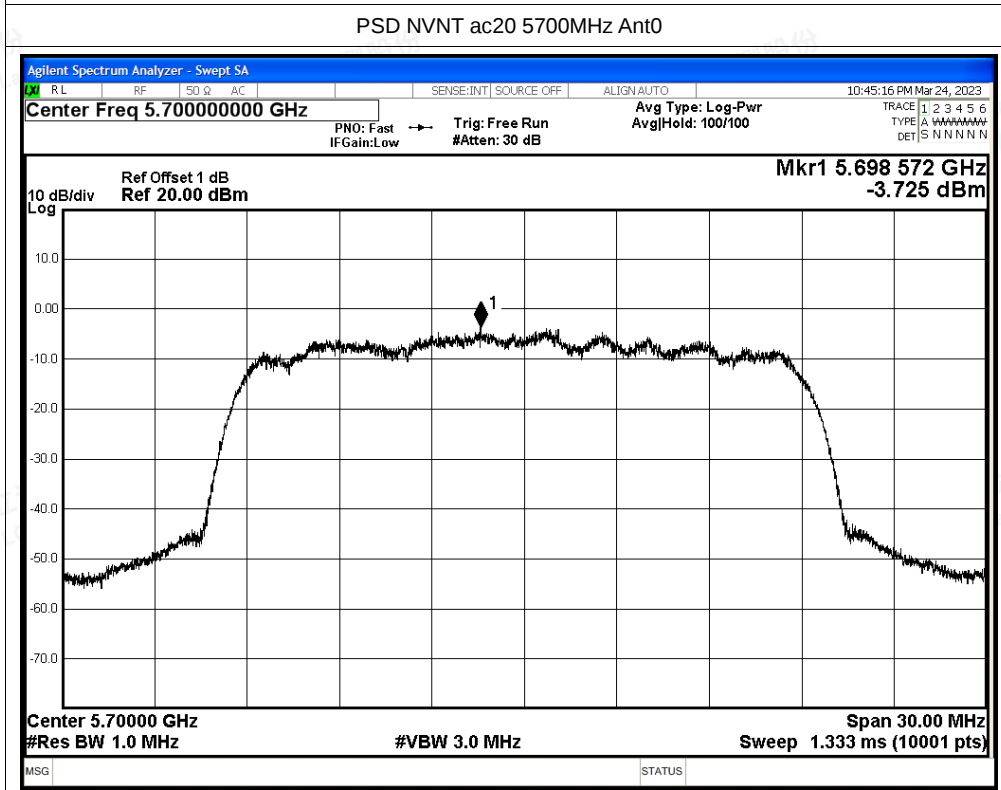
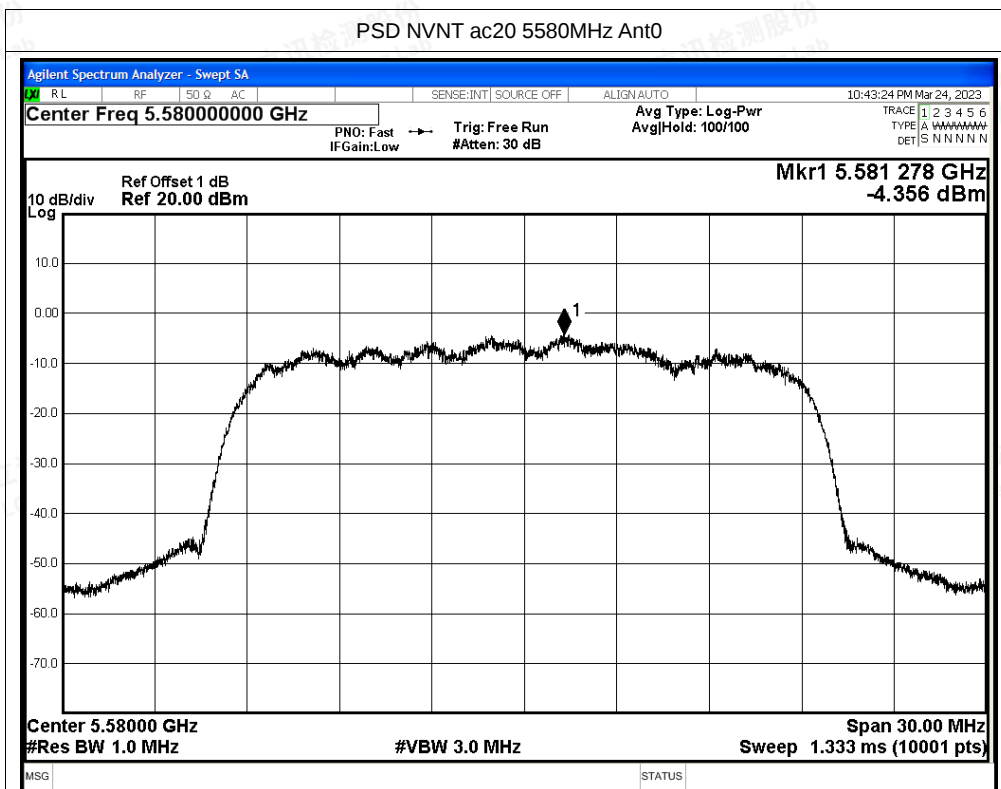


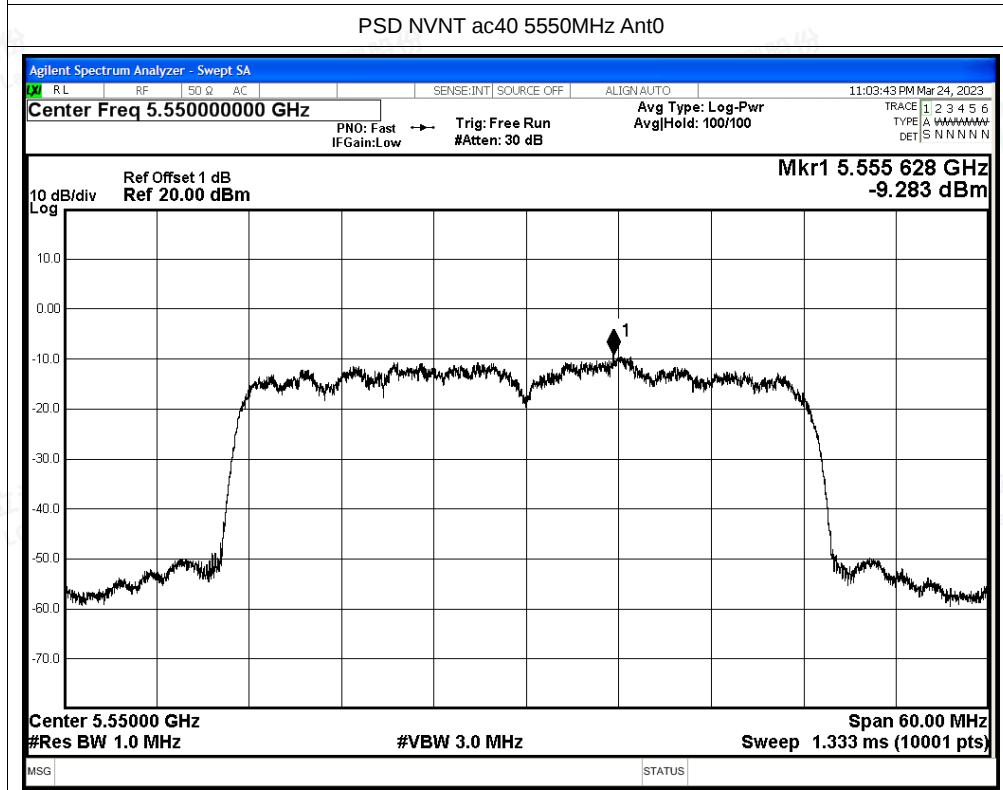
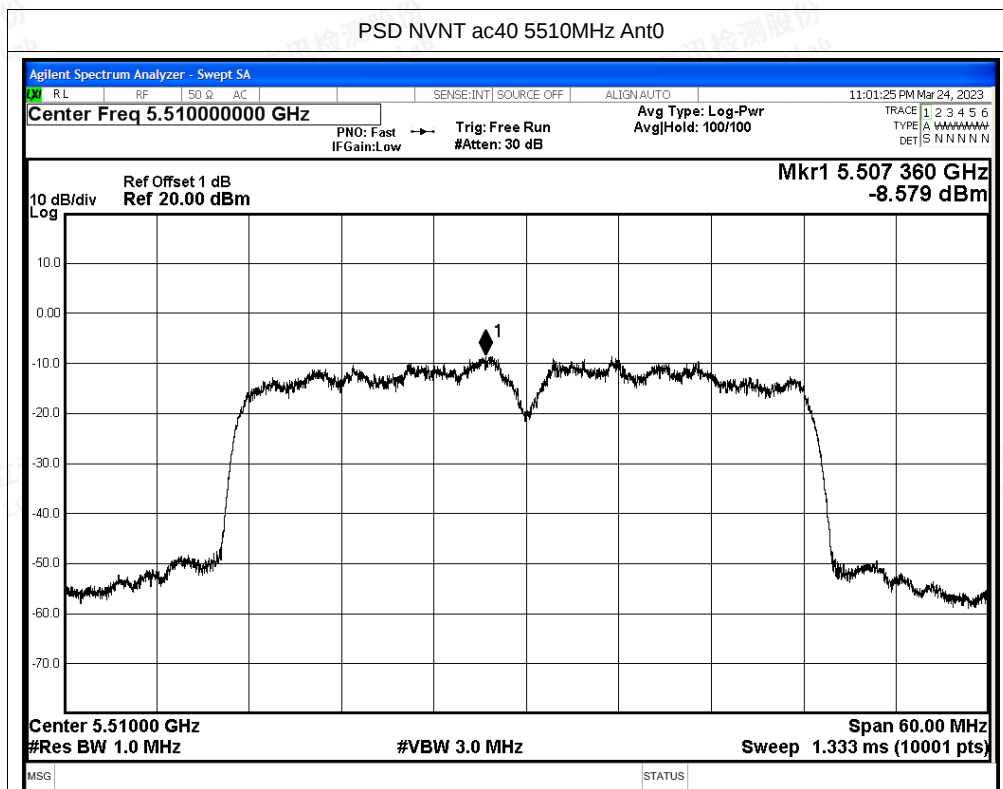


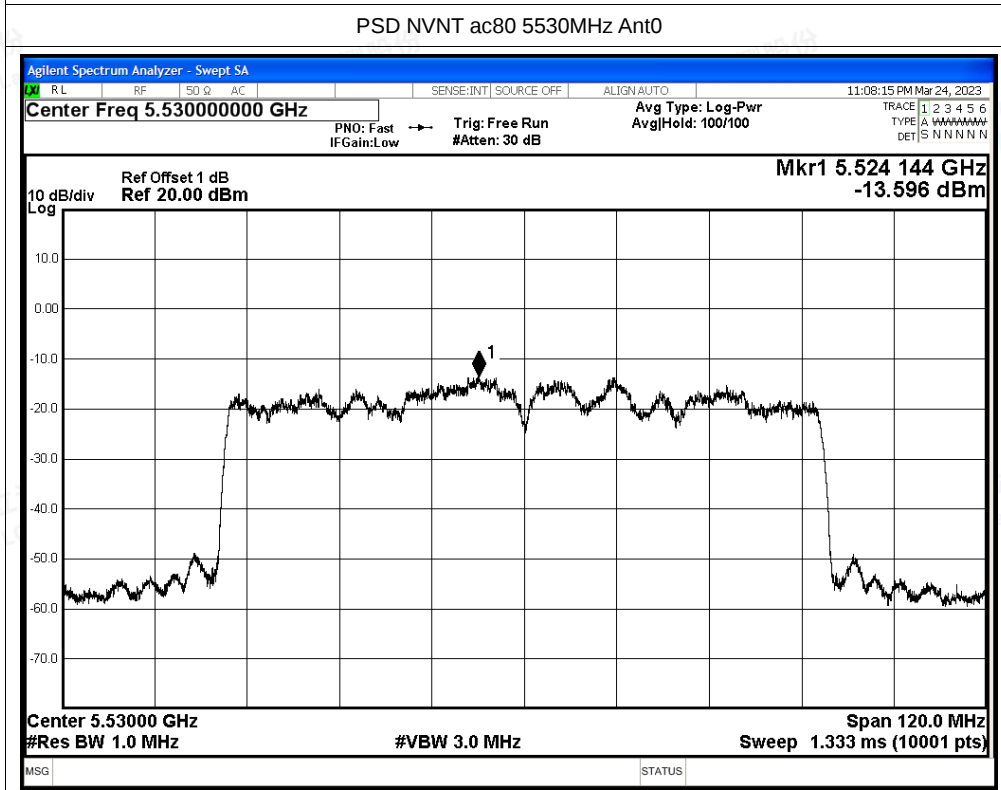
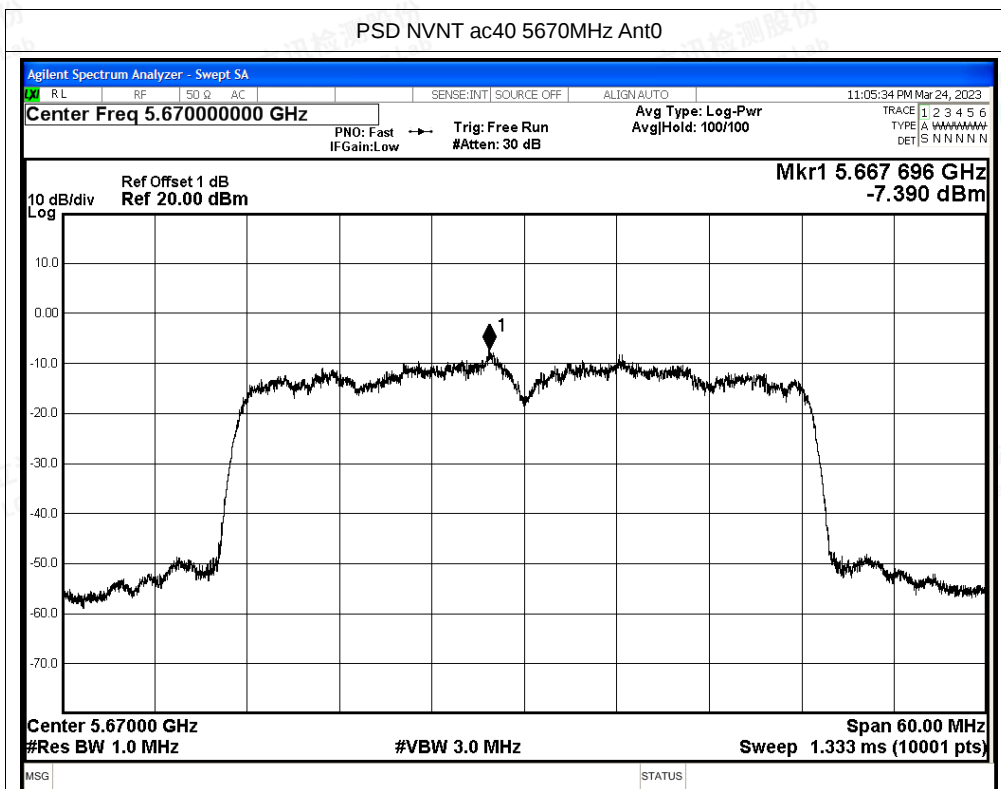


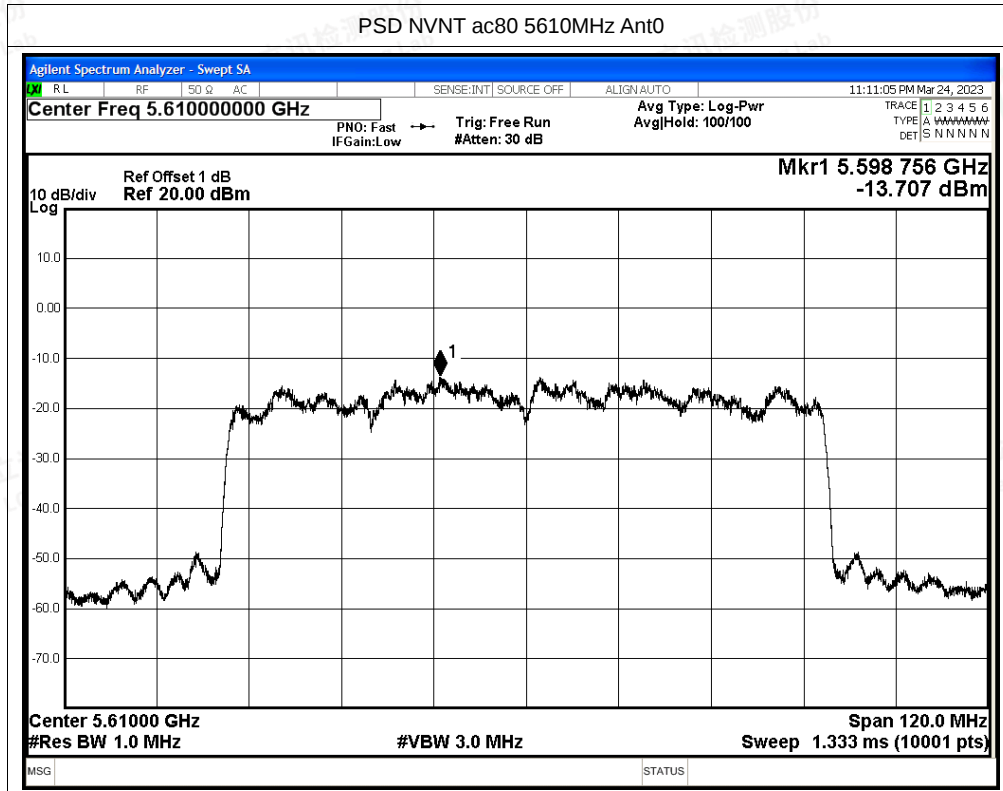








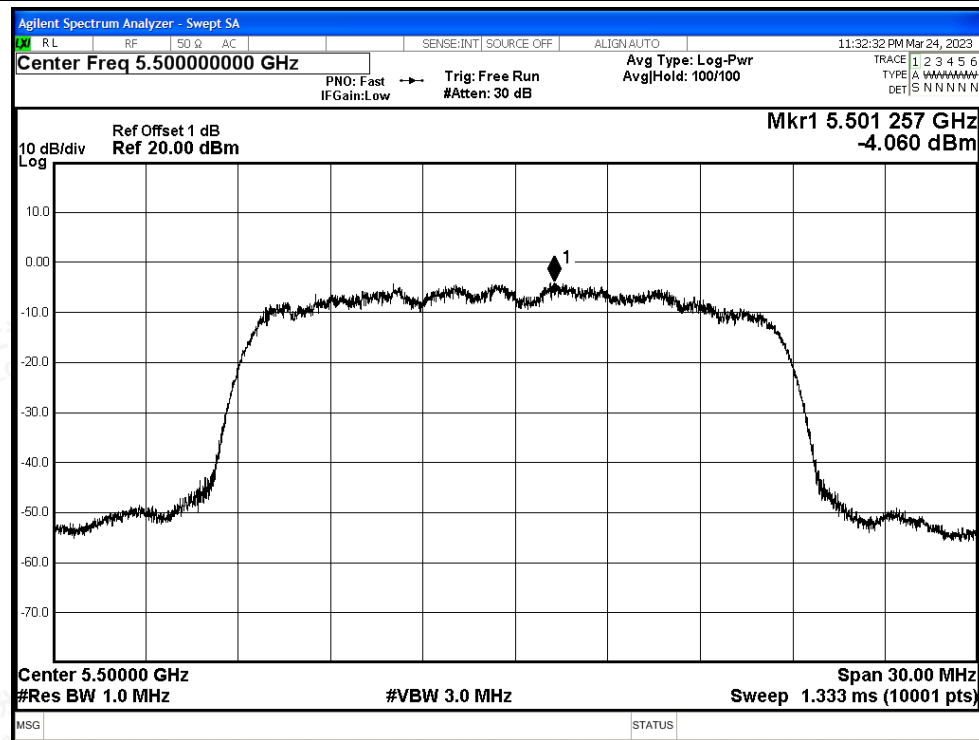




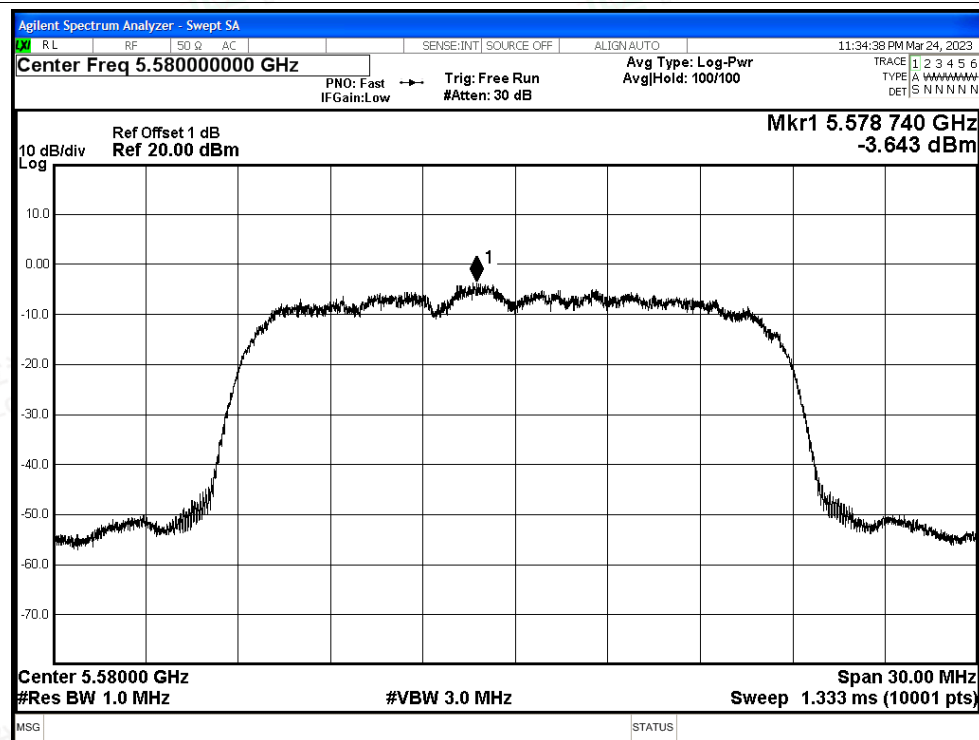


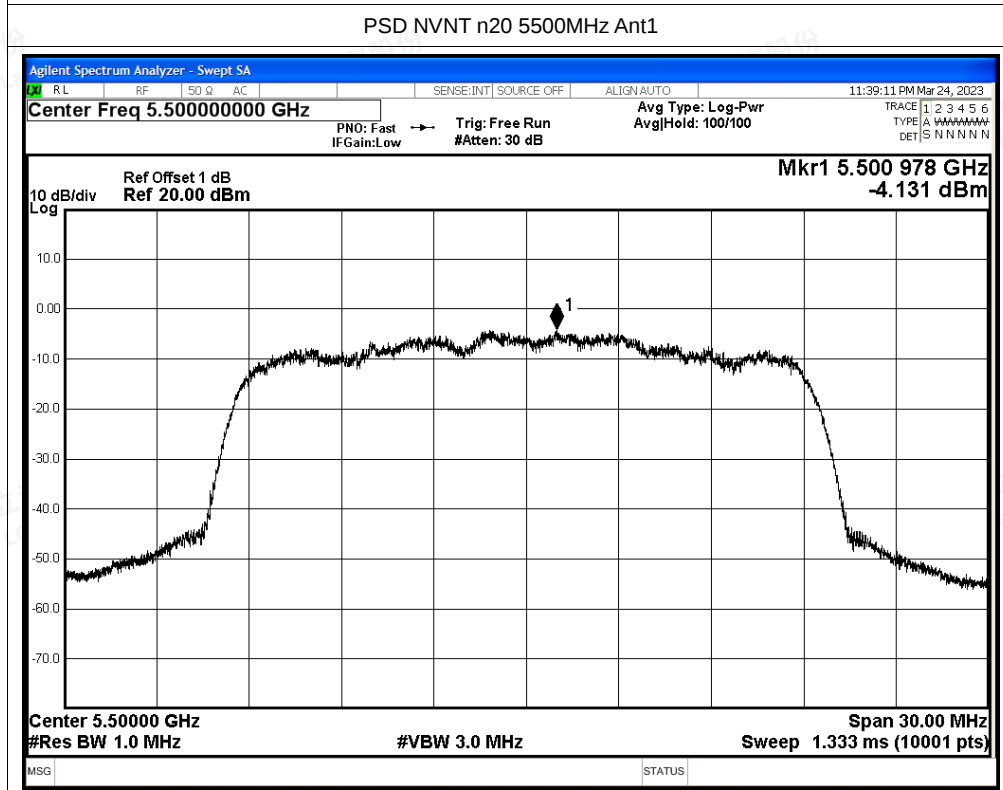
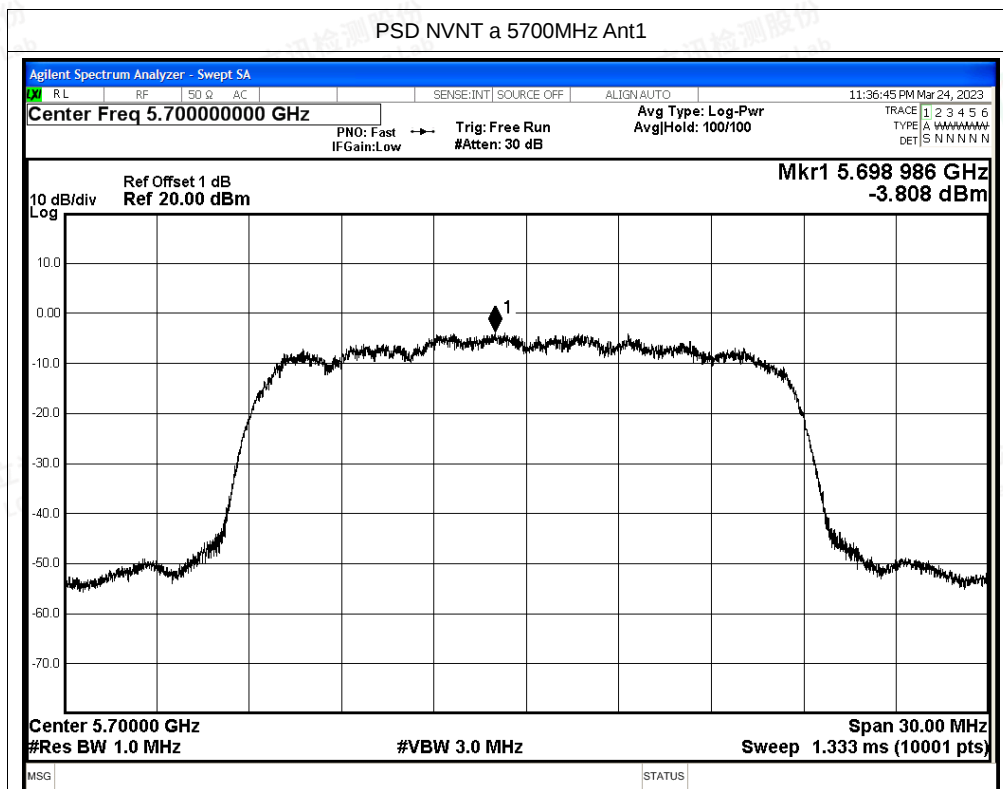
Test Graphs

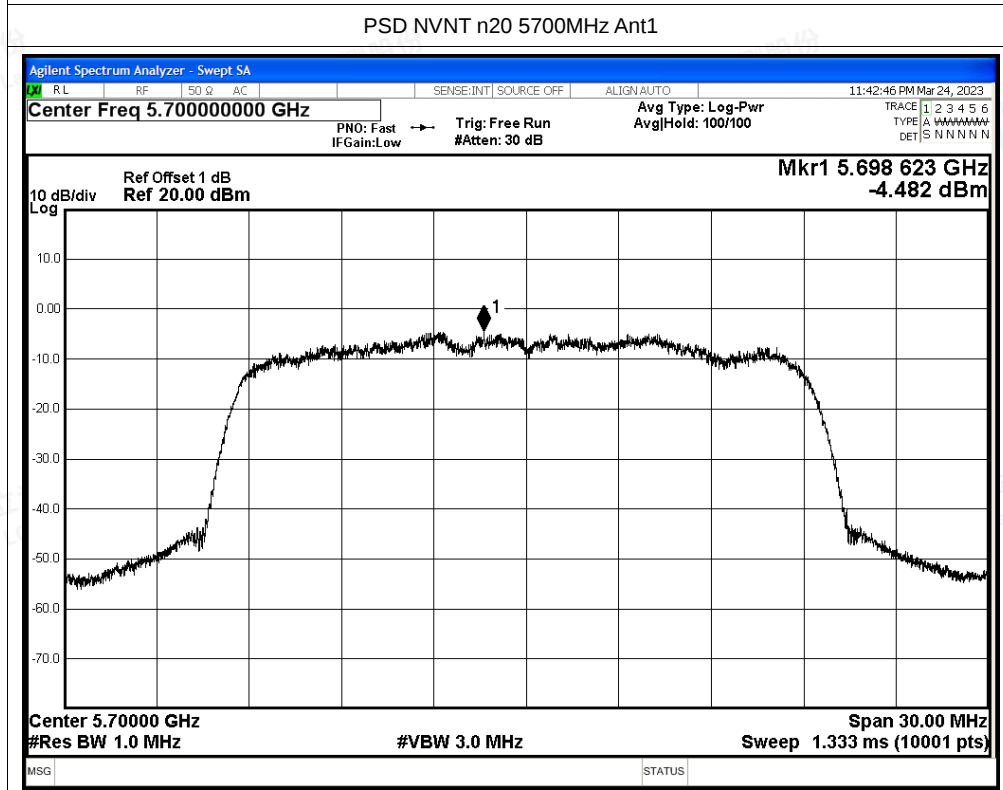
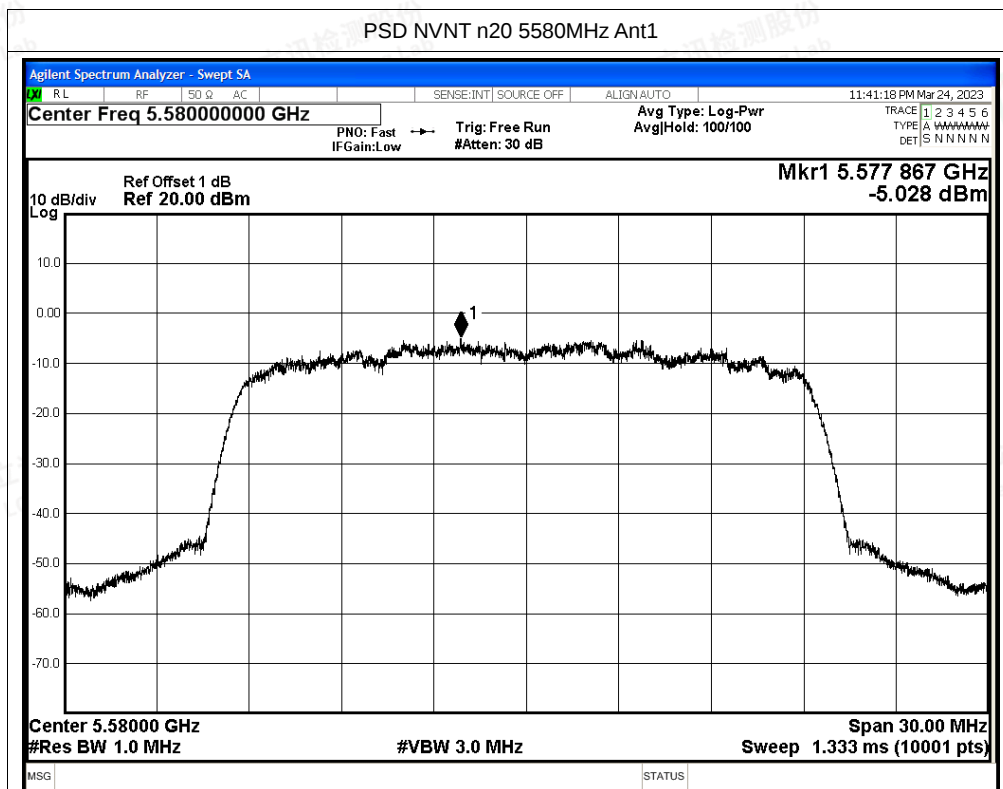
PSD NVNT a 5500MHz Ant1

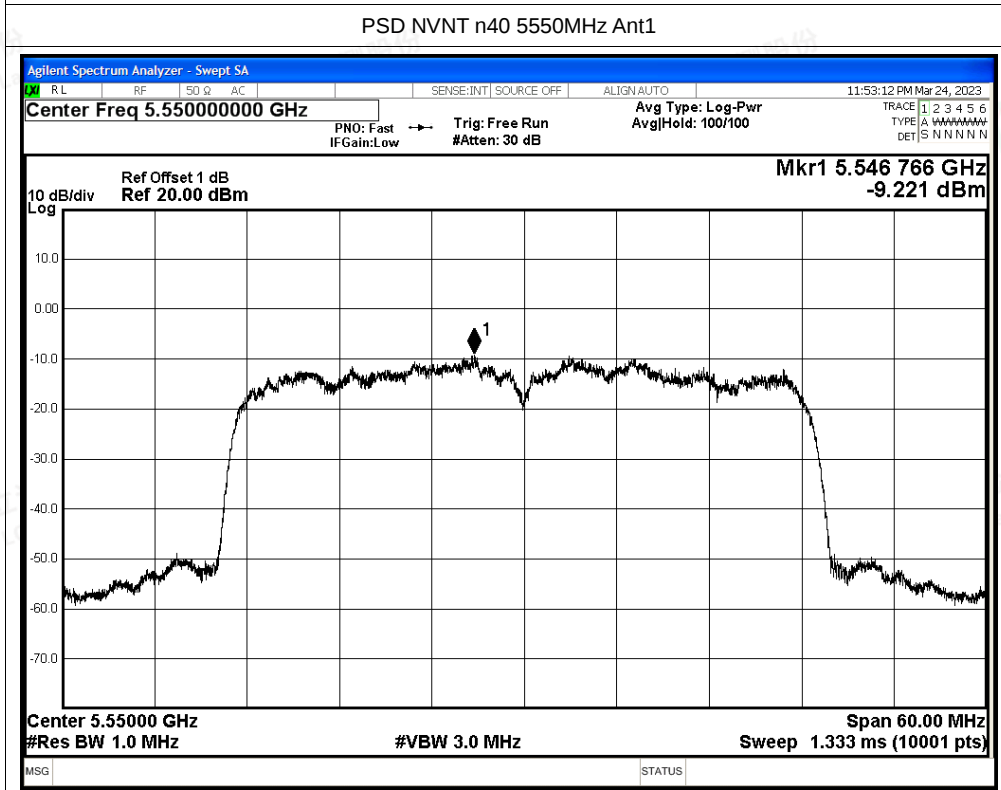
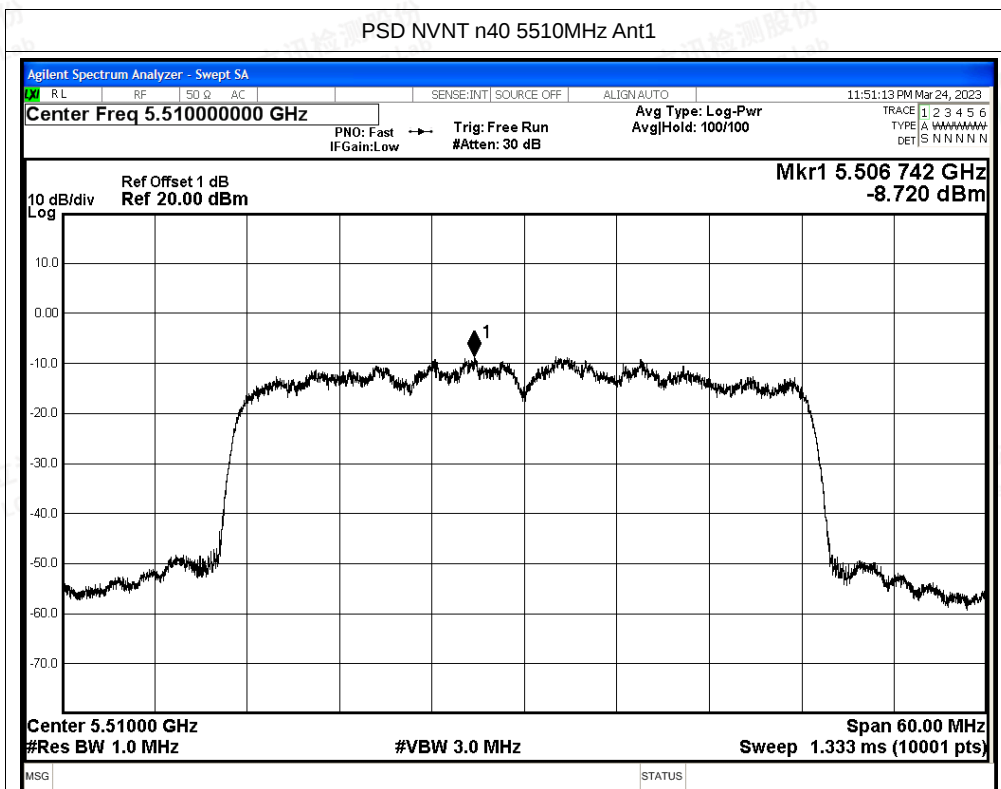


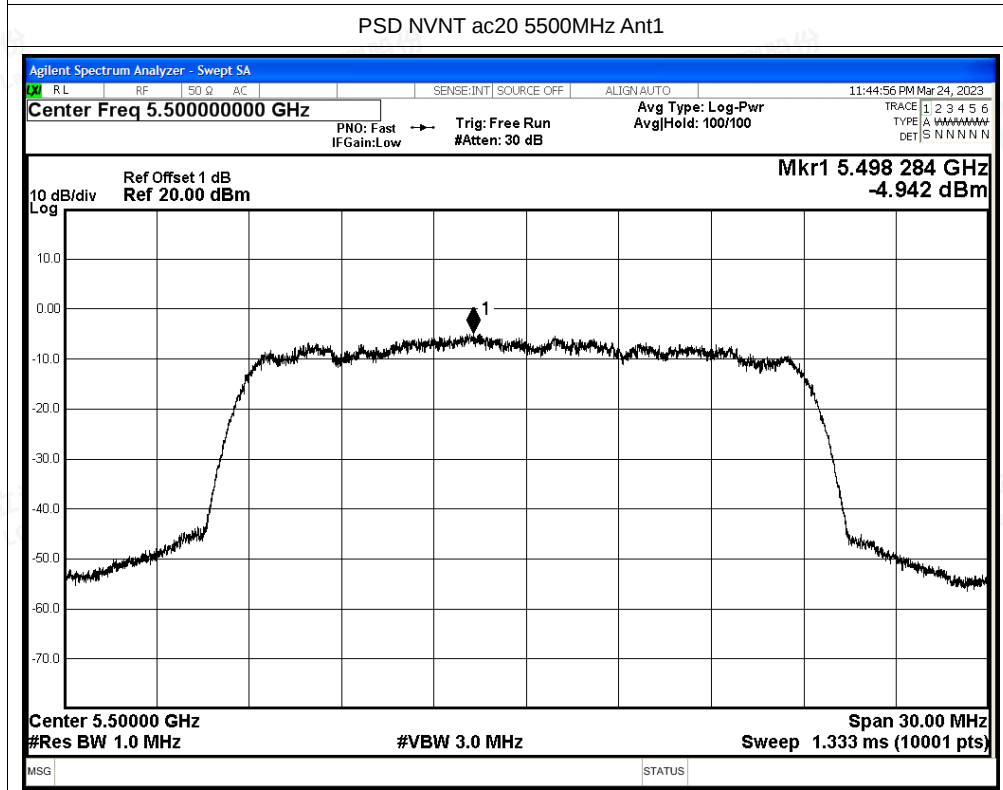
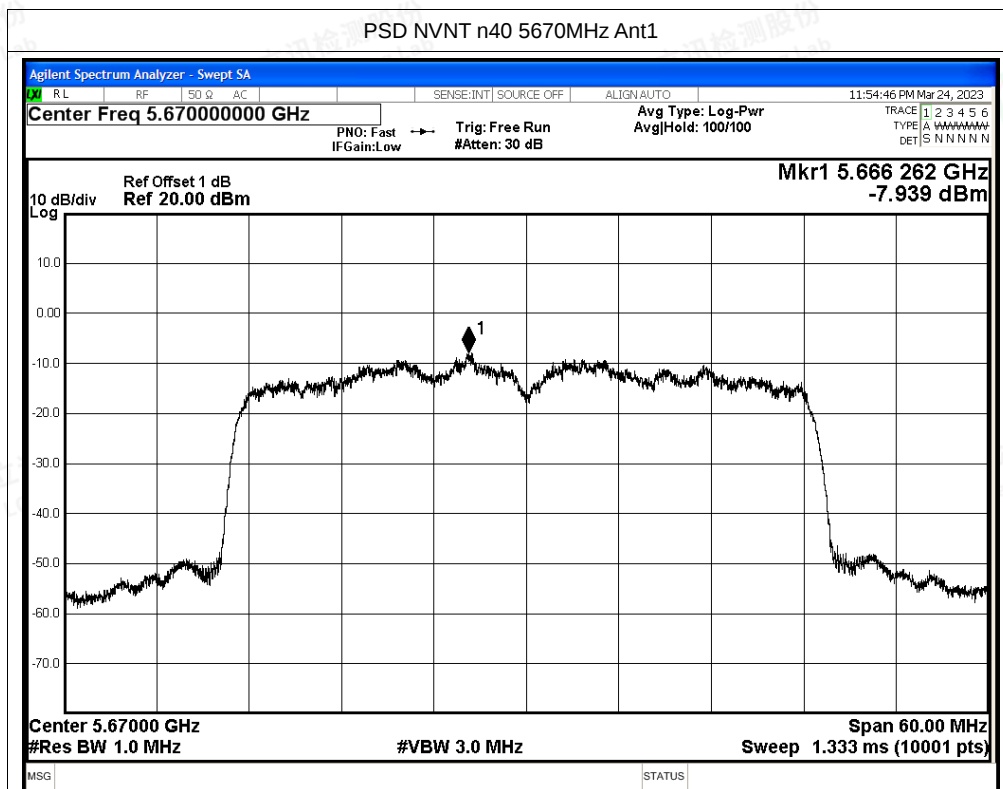
PSD NVNT a 5580MHz Ant1

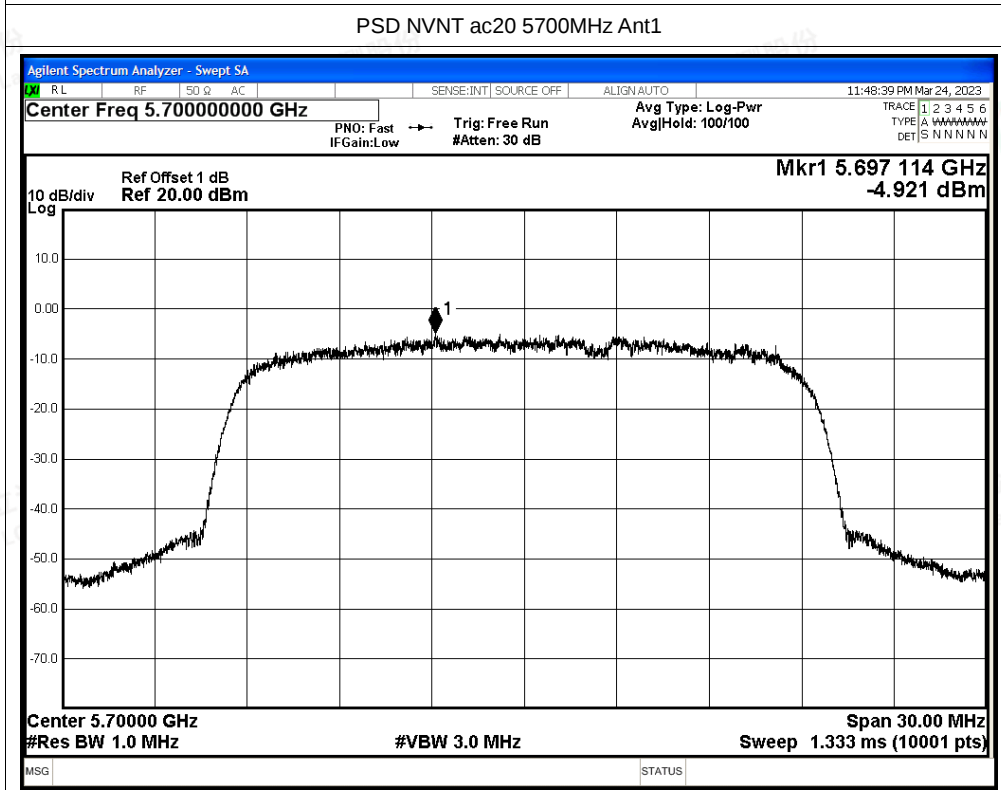
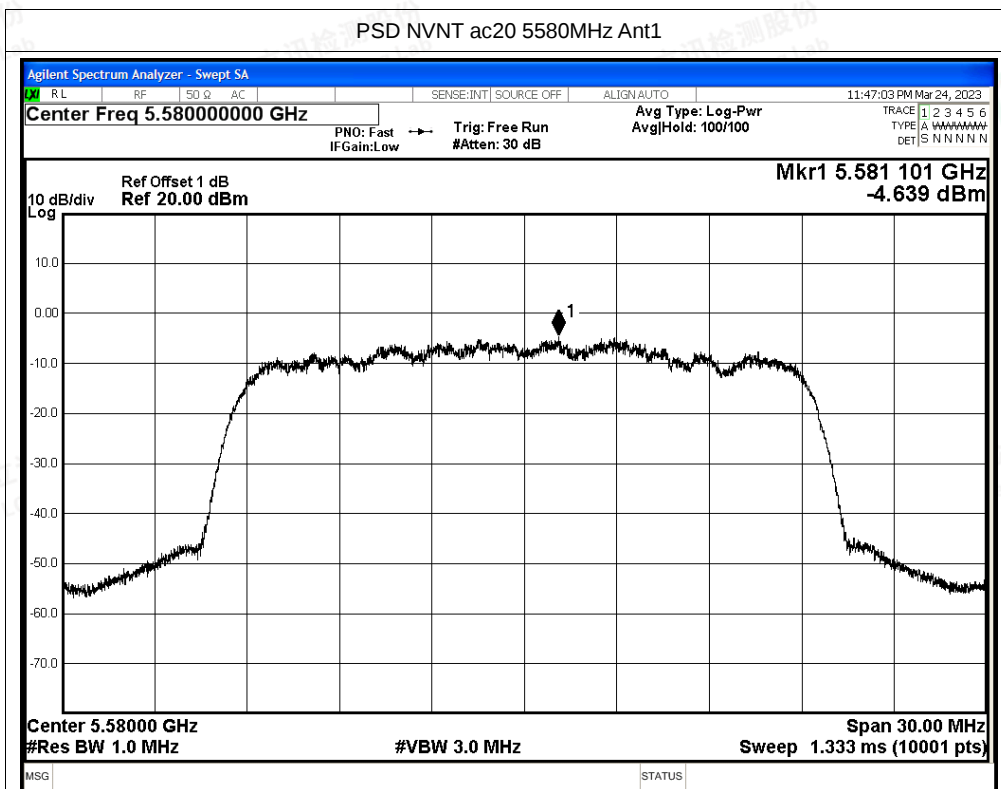


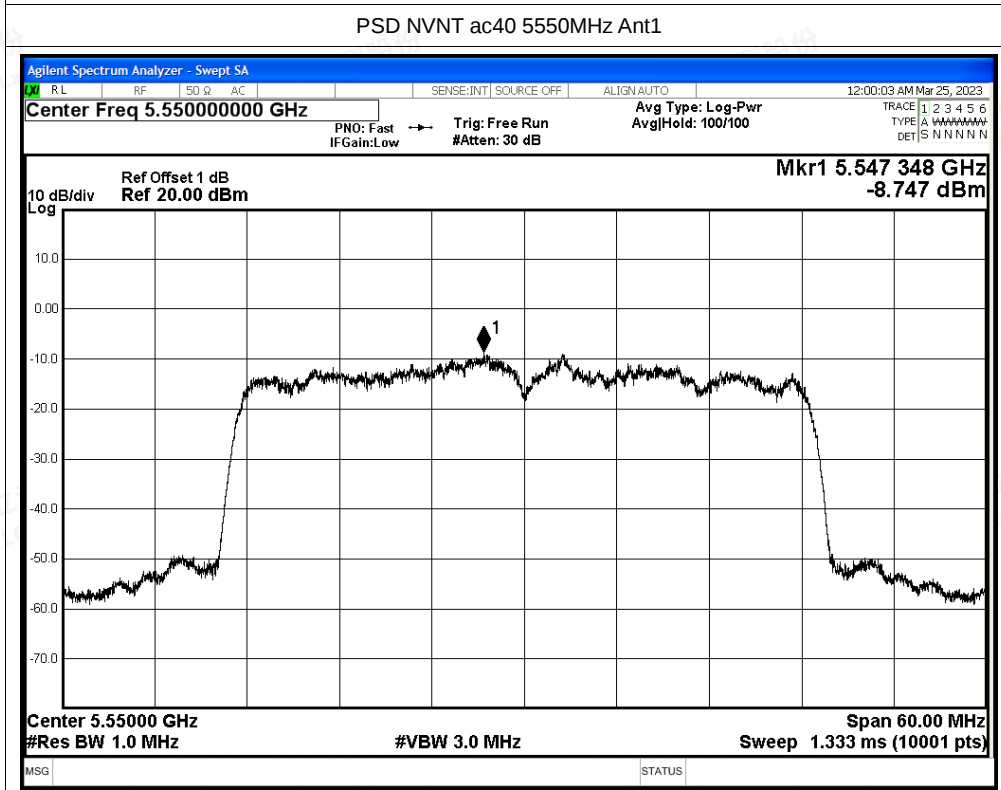
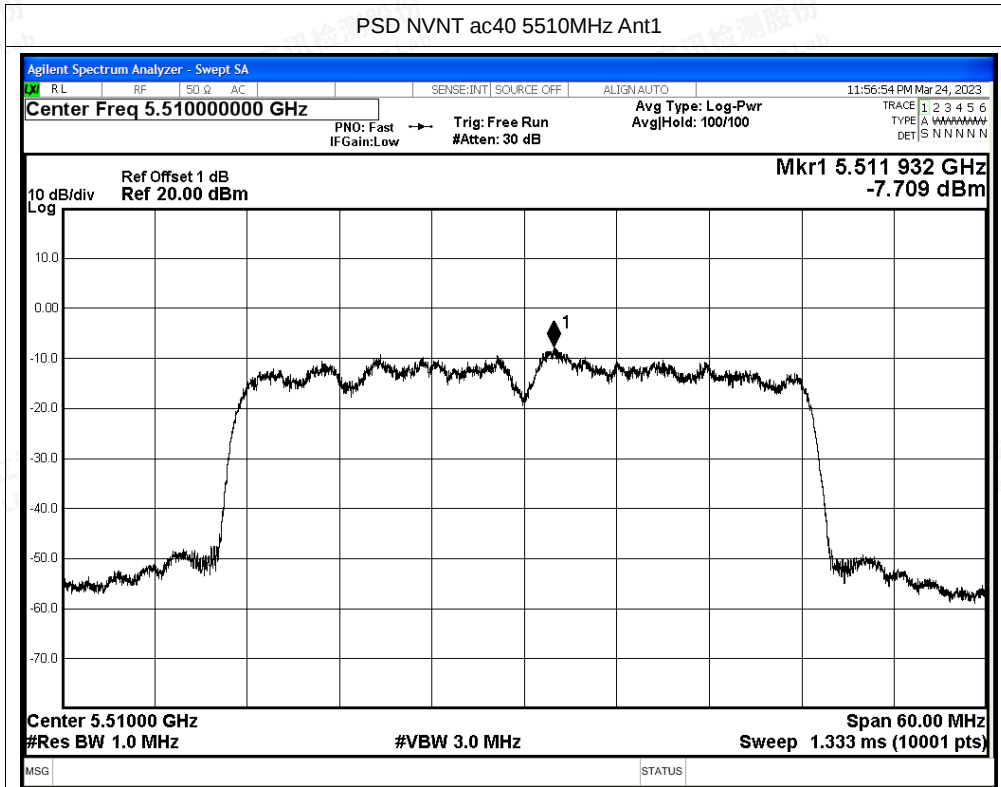


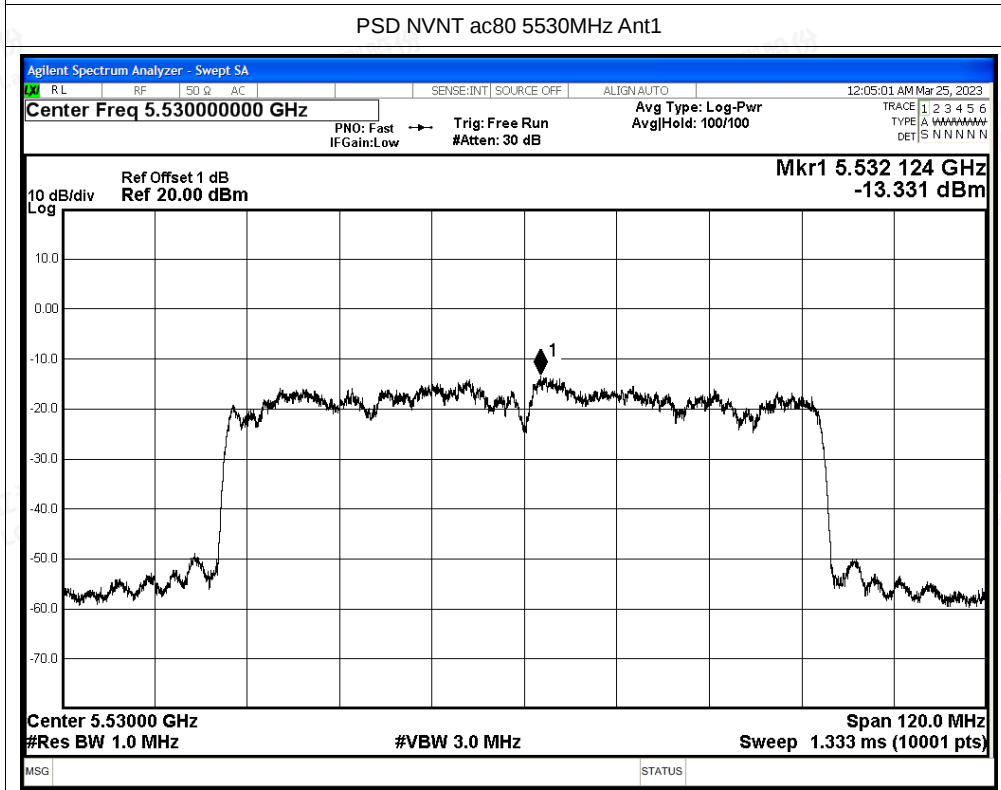
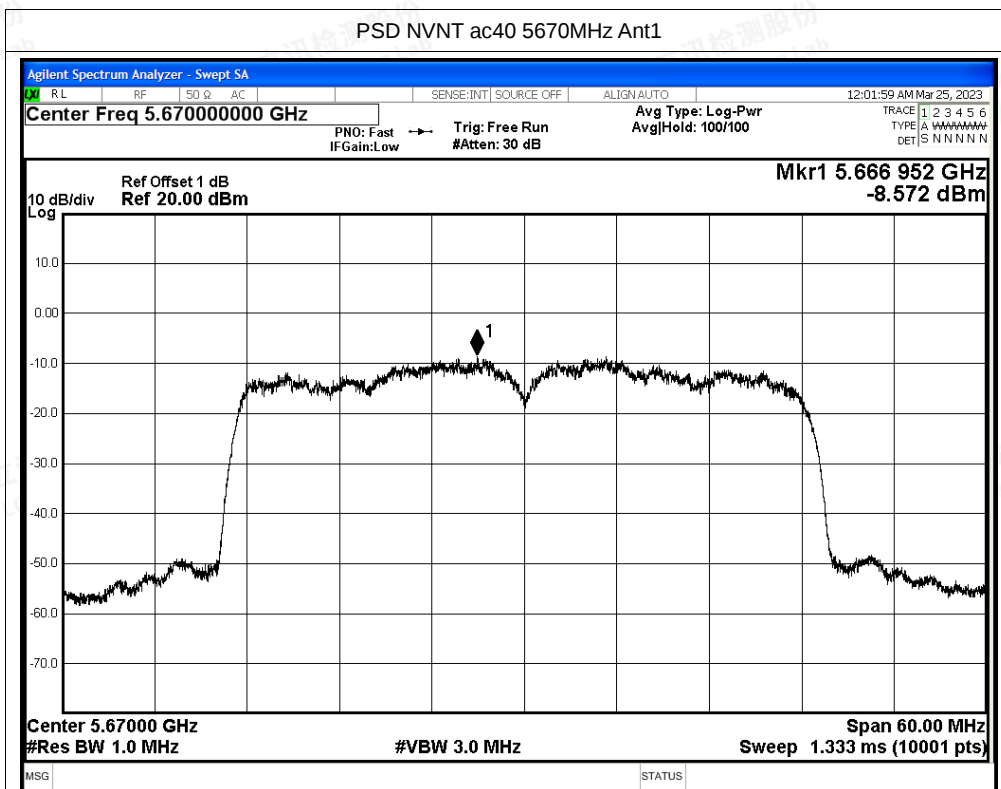


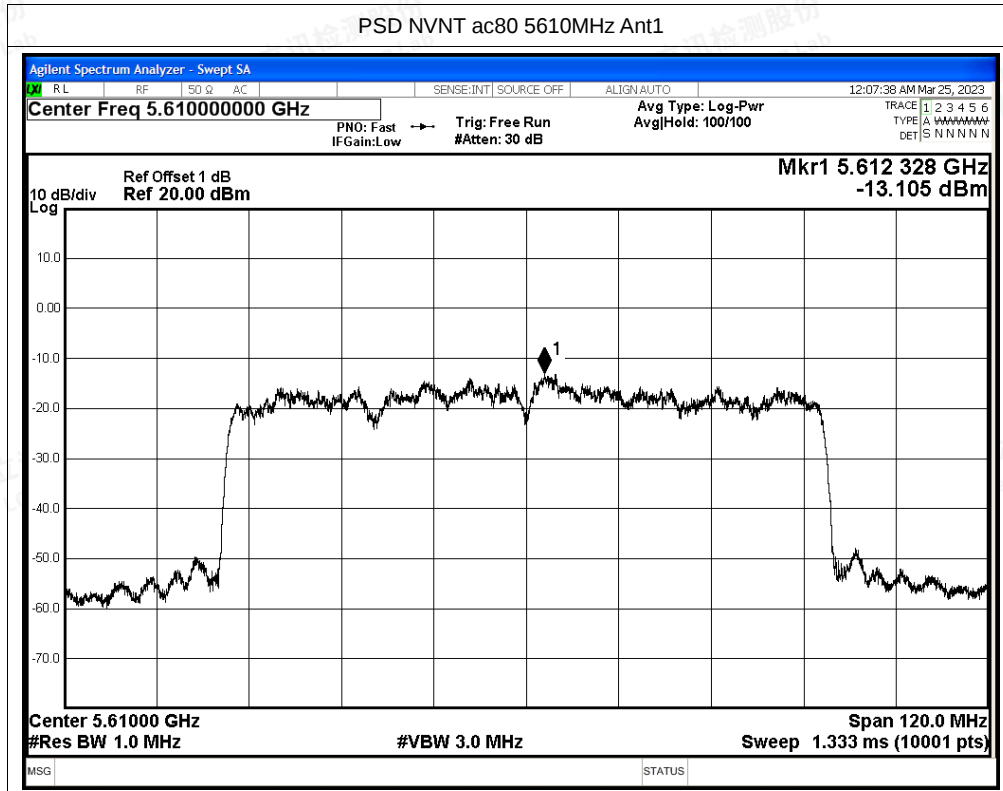














F.4 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a Ant0	5500	5460	-45.95	3.8	53.08	Peak	68.2	Pass
NVNT	a Ant0	5500	5460	-57.43	3.8	41.60	Average	54	Pass
NVNT	a Ant0	5500	5463.6	-45.6	3.8	53.43	Peak	68.2	Pass
NVNT	a Ant0	5500	5469.6	-57.39	3.8	41.64	Average	54	Pass
NVNT	a Ant0	5500	5470	-48.35	3.8	50.68	Peak	68.2	Pass
NVNT	a Ant0	5500	5470	-57.53	3.8	41.50	Average	54	Pass
NVNT	a Ant0	5700	5725	-47.03	3.8	52.00	Peak	68.2	Pass
NVNT	a Ant0	5700	5725	-56.17	3.8	42.86	Average	54	Pass
NVNT	a Ant0	5700	5727.8	-44.18	3.8	54.85	Peak	68.2	Pass
NVNT	a Ant0	5700	5735	-47.12	3.8	51.91	Peak	68.2	Pass
NVNT	a Ant0	5700	5735	-56.62	3.8	42.41	Average	54	Pass
NVNT	n20 MIMO	5500	5460	-48.8	6.81	53.24	Peak	68.2	Pass
NVNT	n20 MIMO	5500	5460	-57.36	6.81	44.68	Average	54	Pass
NVNT	n20 MIMO	5500	5468	-45.63	6.81	56.41	Peak	68.2	Pass
NVNT	n20 MIMO	5500	5469.2	-57.31	6.81	44.73	Average	54	Pass
NVNT	n20 MIMO	5500	5470	-46.73	6.81	55.31	Peak	68.2	Pass
NVNT	n20 MIMO	5500	5470	-57.53	6.81	44.51	Average	54	Pass
NVNT	n20 MIMO	5700	5725	-47.19	6.81	54.85	Peak	68.2	Pass
NVNT	n20 MIMO	5700	5725	-56.3	6.81	45.74	Average	54	Pass
NVNT	n20 MIMO	5700	5725.8	-43.89	6.81	58.15	Peak	68.2	Pass
NVNT	n20 MIMO	5700	5726.6	-56.07	6.81	45.97	Average	54	Pass
NVNT	n20 MIMO	5700	5735	-45.3	6.81	56.74	Peak	68.2	Pass
NVNT	n20 MIMO	5700	5735	-56.56	6.81	45.48	Average	54	Pass
NVNT	n40 MIMO	5510	5460	-48.36	6.81	53.68	Peak	68.2	Pass
NVNT	n40 MIMO	5510	5460	-57.37	6.81	44.67	Average	54	Pass
NVNT	n40 MIMO	5510	5463.2	-46.01	6.81	56.03	Peak	68.2	Pass
NVNT	n40 MIMO	5510	5469	-56.55	6.81	45.49	Average	54	Pass
NVNT	n40 MIMO	5510	5470	-48.69	6.81	53.35	Peak	68.2	Pass
NVNT	n40 MIMO	5510	5470	-56.82	6.81	45.22	Average	54	Pass
NVNT	n40 MIMO	5670	5725	-45.88	6.81	56.16	Peak	68.2	Pass
NVNT	n40 MIMO	5670	5725	-56.64	6.81	45.40	Average	54	Pass
NVNT	n40 MIMO	5670	5727.2	-45.38	6.81	56.66	Peak	68.2	Pass
NVNT	n40 MIMO	5670	5728	-56.21	6.81	45.83	Average	54	Pass
NVNT	n40 MIMO	5670	5735	-47.42	6.81	54.62	Peak	68.2	Pass
NVNT	n40 MIMO	5670	5735	-56.69	6.81	45.35	Average	54	Pass
NVNT	ac20 MIMO	5500	5460	-47.13	6.81	54.91	Peak	68.2	Pass
NVNT	ac20 MIMO	5500	5460	-57.49	6.81	44.55	Average	54	Pass





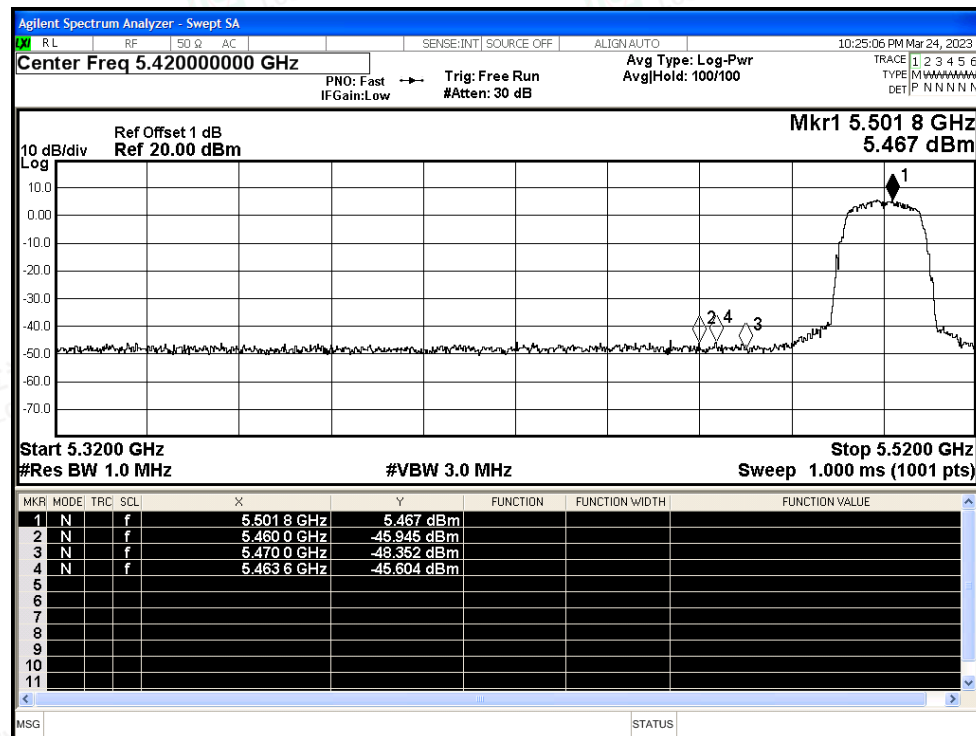
NVNT	ac20 MIMO	5500	5469.6	-46.8	6.81	55.24	Peak	68.2	Pass
NVNT	ac20 MIMO	5500	5466.8	-57.31	6.81	44.73	Average	54	Pass
NVNT	ac20 MIMO	5500	5470	-48.41	6.81	53.63	Peak	68.2	Pass
NVNT	ac20 MIMO	5500	5470	-57.35	6.81	44.69	Average	54	Pass
NVNT	ac20 MIMO	5700	5725	-46.13	6.81	55.91	Peak	68.2	Pass
NVNT	ac20 MIMO	5700	5725	-56.37	6.81	45.67	Average	54	Pass
NVNT	ac20 MIMO	5700	5725.8	-43.69	6.81	58.35	Peak	68.2	Pass
NVNT	ac20 MIMO	5700	5726.8	-56.28	6.81	45.76	Average	54	Pass
NVNT	ac20 MIMO	5700	5735	-46.19	6.81	55.85	Peak	68.2	Pass
NVNT	ac20 MIMO	5700	5735	-56.66	6.81	45.38	Average	54	Pass
NVNT	ac40 MIMO	5510	5460	-48.1	6.81	53.94	Peak	68.2	Pass
NVNT	ac40 MIMO	5510	5460	-57.3	6.81	44.74	Average	54	Pass
NVNT	ac40 MIMO	5510	5466	-44.83	6.81	57.21	Peak	68.2	Pass
NVNT	ac40 MIMO	5510	5469	-56.7	6.81	45.34	Average	54	Pass
NVNT	ac40 MIMO	5510	5470	-48.04	6.81	54.00	Peak	68.2	Pass
NVNT	ac40 MIMO	5510	5470	-56.71	6.81	45.33	Average	54	Pass
NVNT	ac40 MIMO	5670	5725	-46.29	6.81	55.75	Peak	68.2	Pass
NVNT	ac40 MIMO	5670	5725	-56.63	6.81	45.41	Average	54	Pass
NVNT	ac40 MIMO	5670	5728	-45.6	6.81	56.44	Peak	68.2	Pass
NVNT	ac40 MIMO	5670	5727.6	-56.28	6.81	45.76	Average	54	Pass
NVNT	ac40 MIMO	5670	5735	-47.56	6.81	54.48	Peak	68.2	Pass
NVNT	ac40 MIMO	5670	5735	-56.71	6.81	45.33	Average	54	Pass
NVNT	ac80 MIMO	5530	5725	-48.4	6.81	53.64	Peak	68.2	Pass
NVNT	ac80 MIMO	5530	5725	-57.08	6.81	44.96	Average	54	Pass
NVNT	ac80 MIMO	5530	5728.445	-44.91	6.81	57.13	Peak	68.2	Pass
NVNT	ac80 MIMO	5530	5727.305	-56.36	6.81	45.68	Average	54	Pass
NVNT	ac80 MIMO	5530	5735	-47.34	6.81	54.70	Peak	68.2	Pass
NVNT	ac80 MIMO	5530	5735	-56.83	6.81	45.21	Average	54	Pass
NVNT	ac80 MIMO	5530	5460	-47.38	6.81	54.66	Peak	68.2	Pass
NVNT	ac80 MIMO	5530	5460	-56.67	6.81	45.37	Average	54	Pass
NVNT	ac80 MIMO	5530	5470	-43.08	6.81	58.96	Peak	68.2	Pass
NVNT	ac80 MIMO	5530	5469.6	-54.33	6.81	47.71	Average	54	Pass
NVNT	ac80 MIMO	5530	5470	-54.41	6.81	47.63	Average	54	Pass
NVNT	ac80 MIMO	5610	5725	-47.92	6.81	54.12	Peak	68.2	Pass
NVNT	ac80 MIMO	5610	5725	-56.51	6.81	45.53	Average	54	Pass
NVNT	ac80 MIMO	5610	5732.95	-45.88	6.81	56.16	Peak	68.2	Pass
NVNT	ac80 MIMO	5610	5732.13	-56.11	6.81	45.93	Average	54	Pass
NVNT	ac80 MIMO	5610	5735	-48.5	6.81	53.54	Peak	68.2	Pass
NVNT	ac80 MIMO	5610	5735	-56.26	6.81	45.78	Average	54	Pass



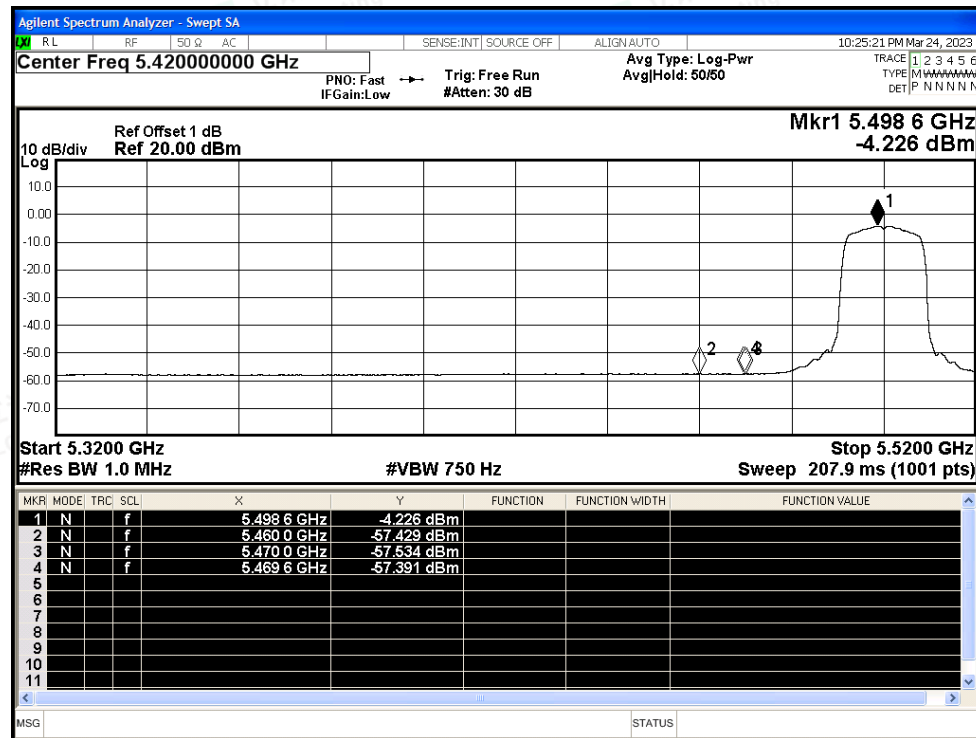


Test Graphs

Restrict Band NVNT a 5500MHz Ant0 Peak

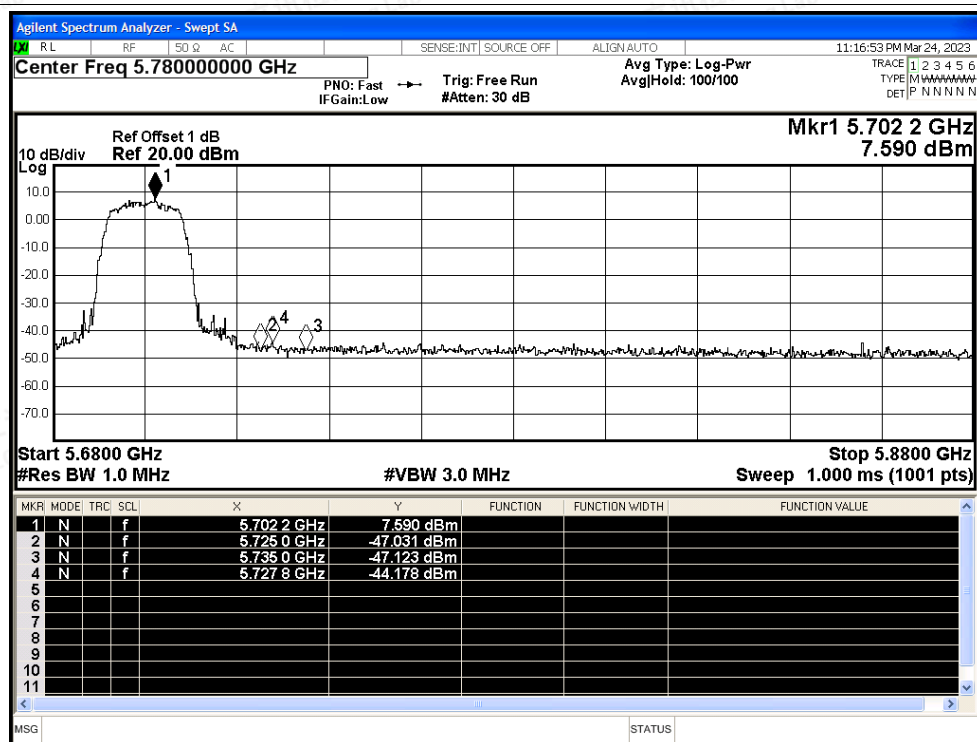


Restrict Band NVNT a 5500MHz Ant0 Average

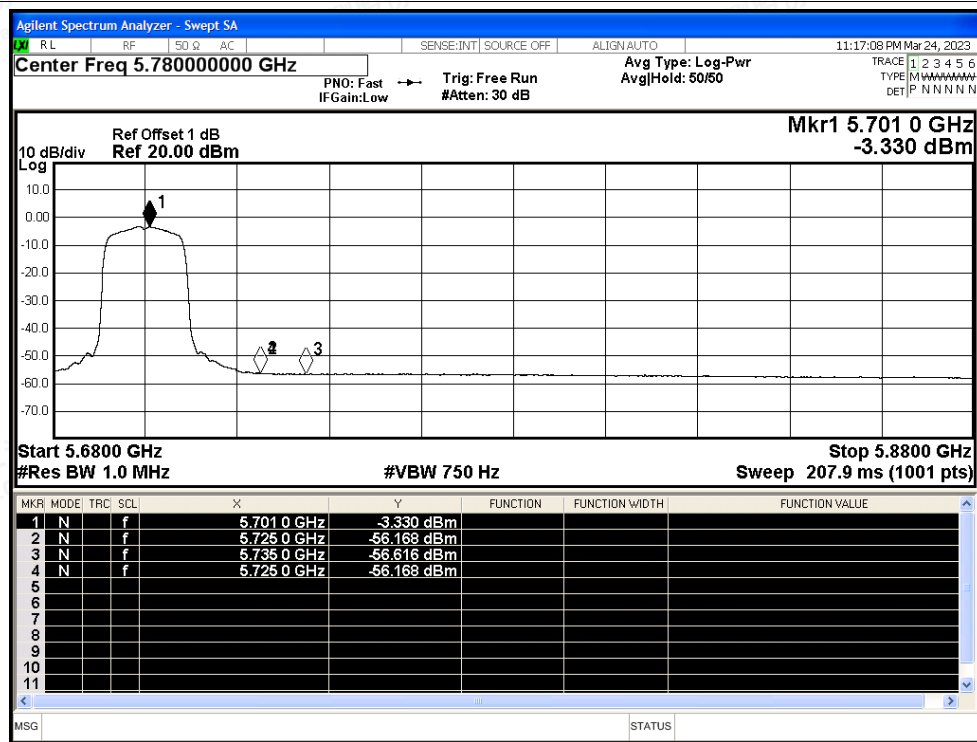




Restrict Band NVNT a 5700MHz Ant0 Peak

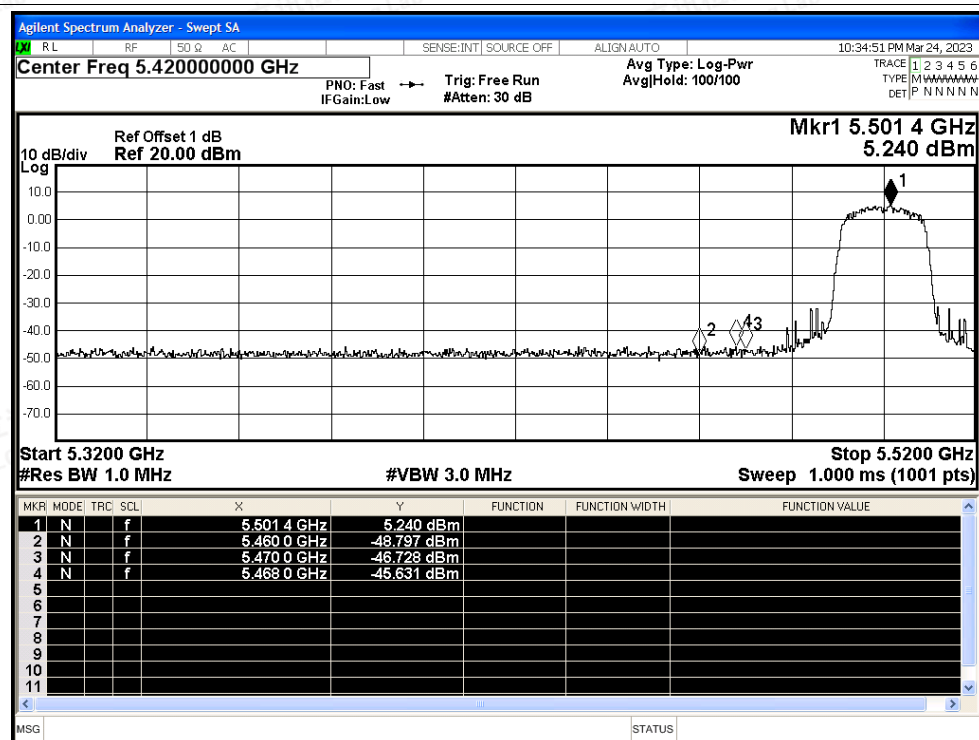


Restrict Band NVNT a 5700MHz Ant0 Average

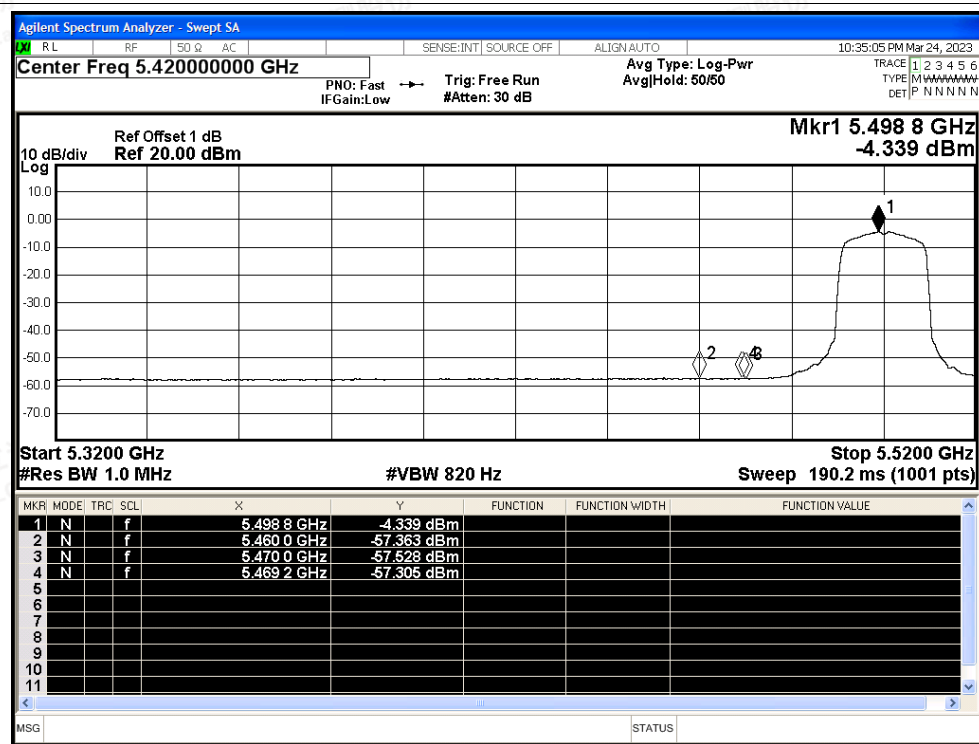




Restrict Band NVNT n20 5500MHz MIMO Peak

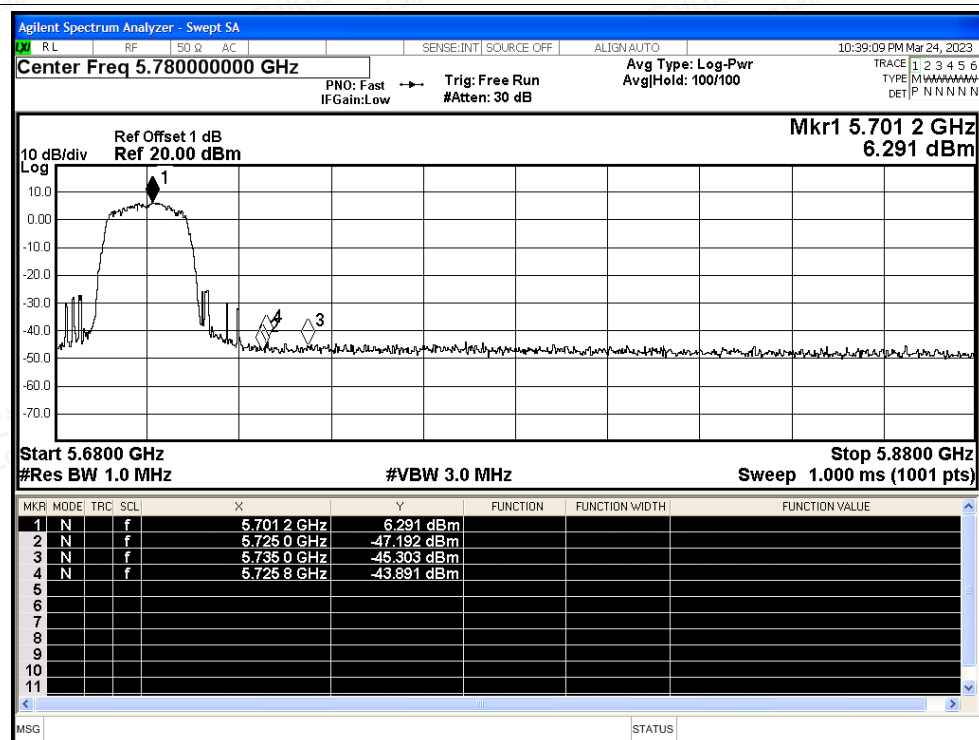


Restrict Band NVNT n20 5500MHz MIMO Average

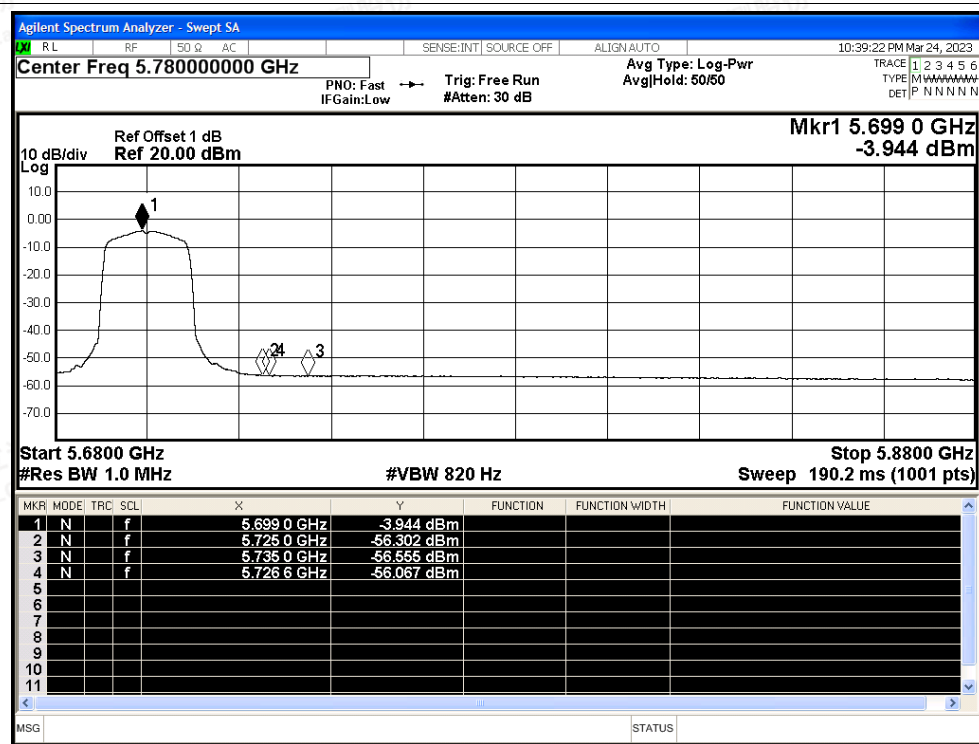




Restrict Band NVNT n20 5700MHz MIMO Peak

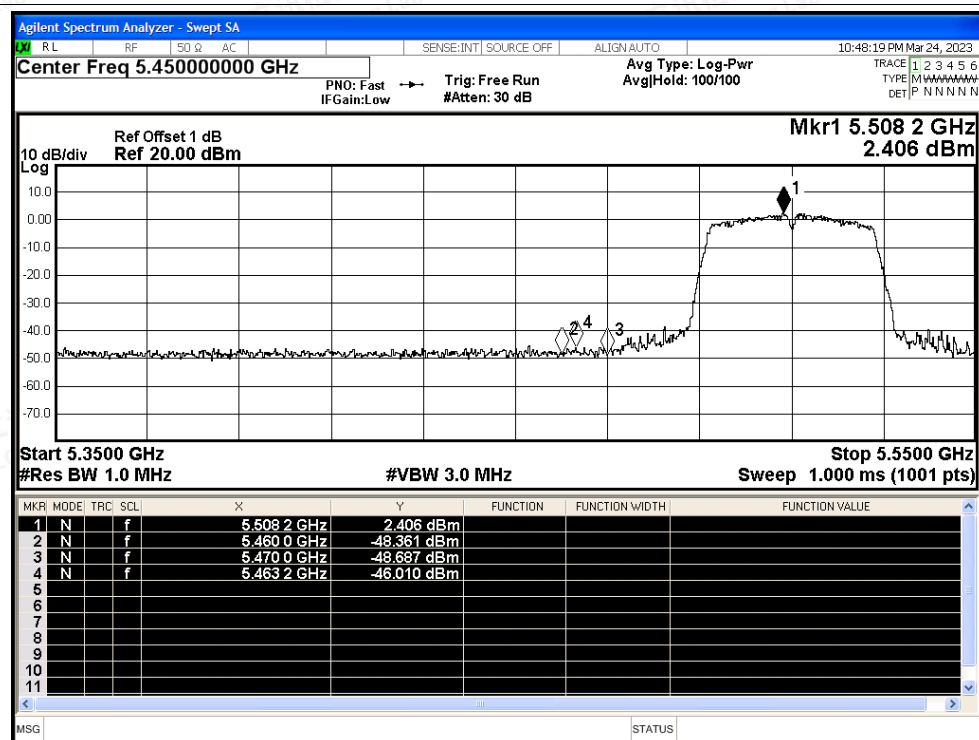


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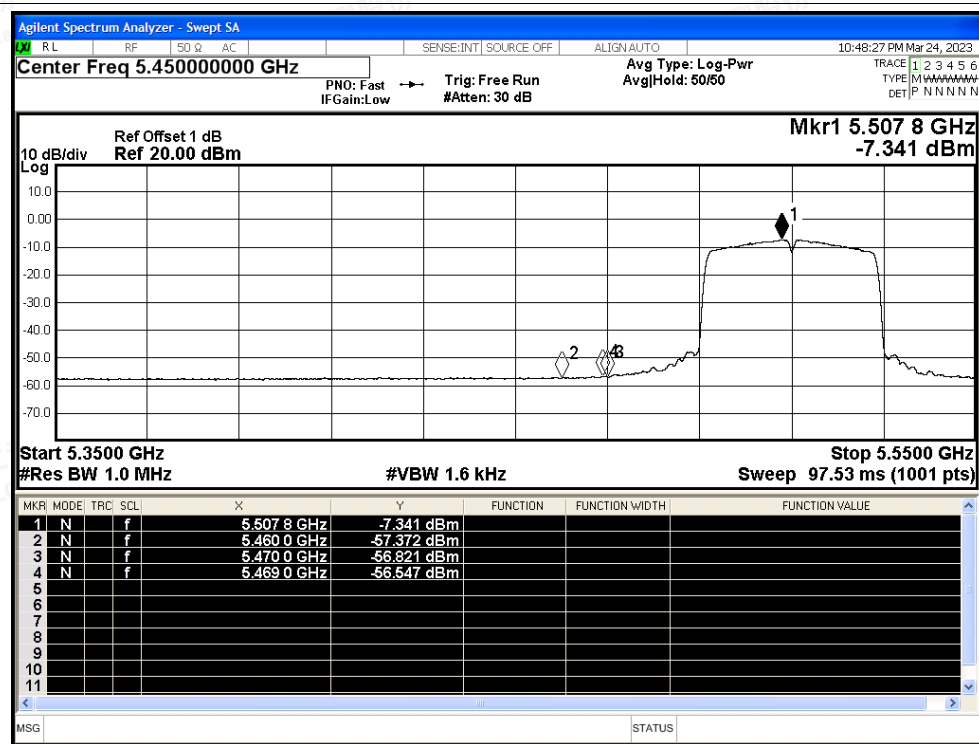




Restrict Band NVNT n40 5510MHz MIMO Peak

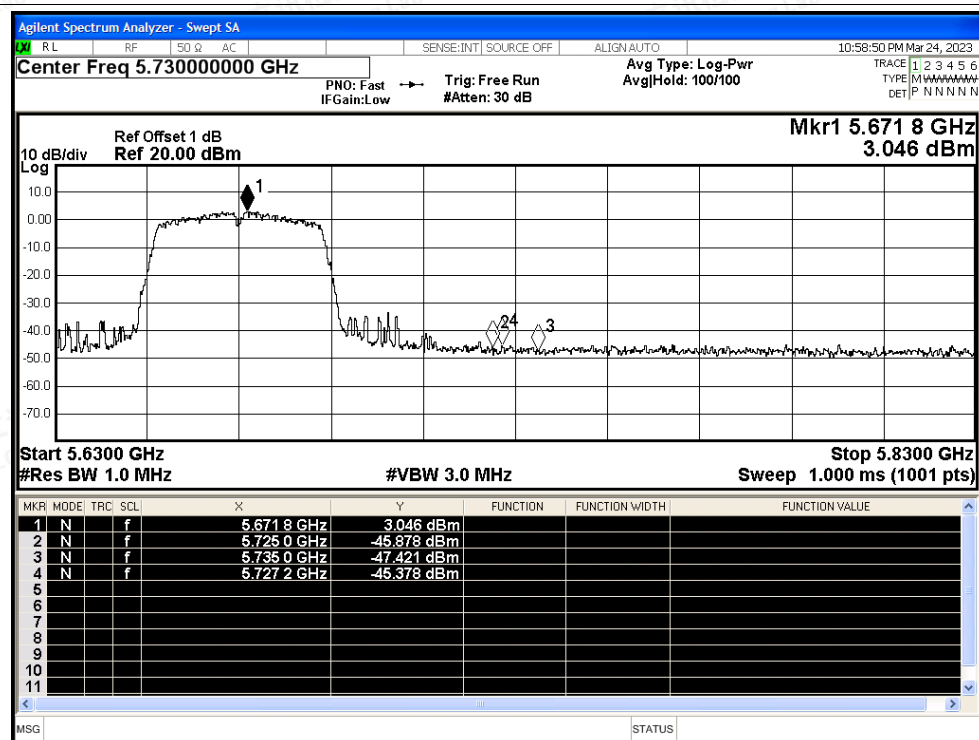


Restrict Band NVNT n40 5510MHz MIMO Average

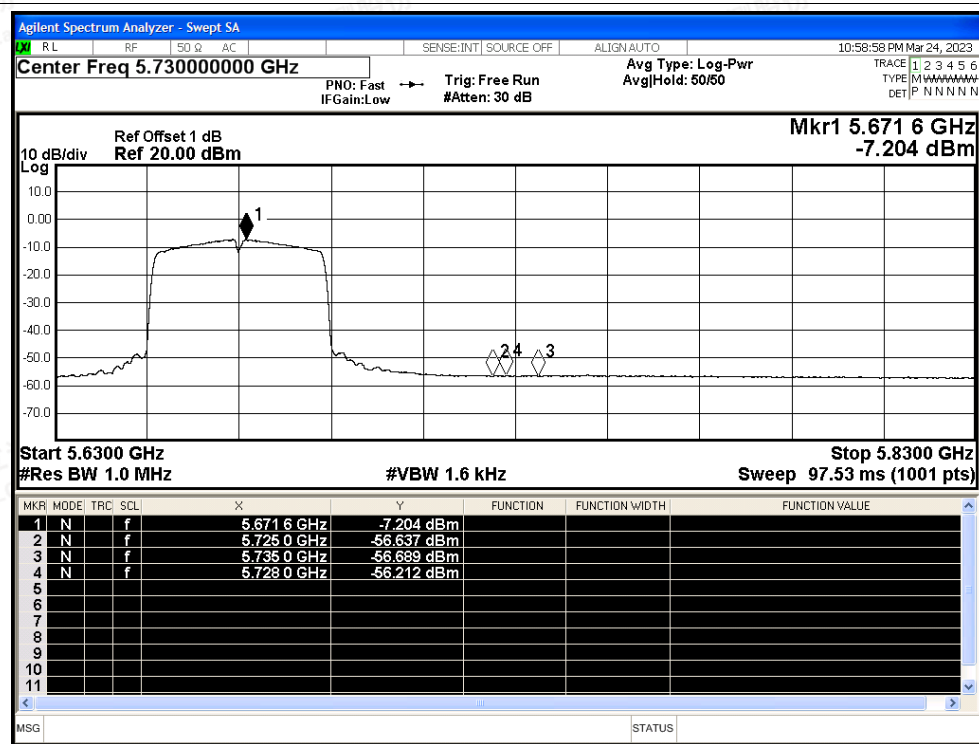




Restrict Band NVNT n40 5670MHz MIMO Peak



Restrict Band NVNT n40 5670MHz MIMO Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

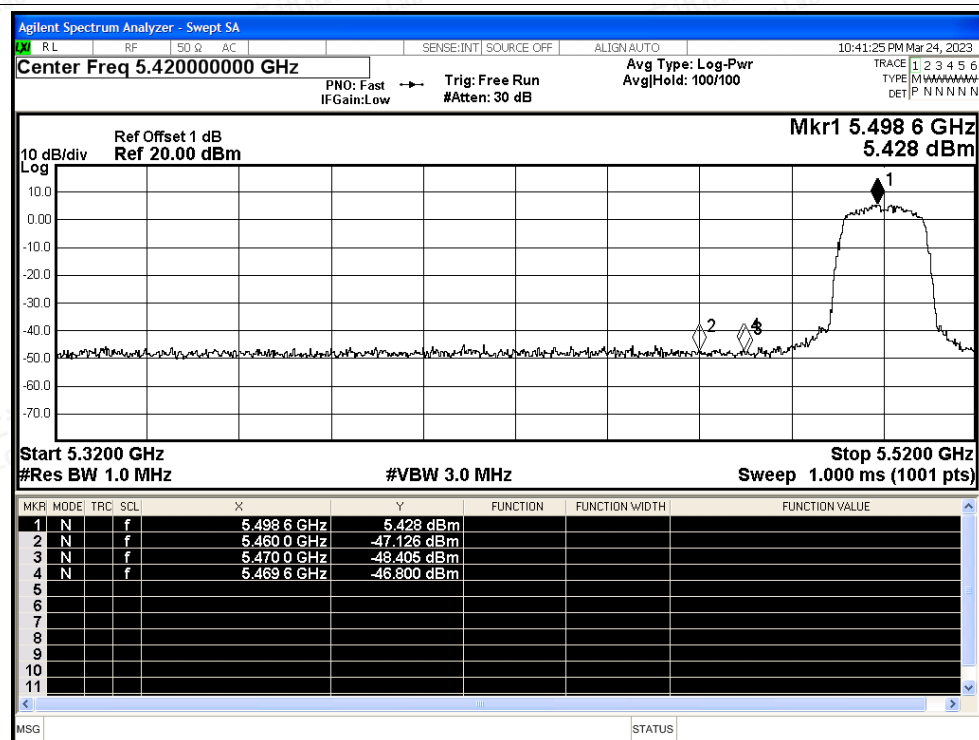
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

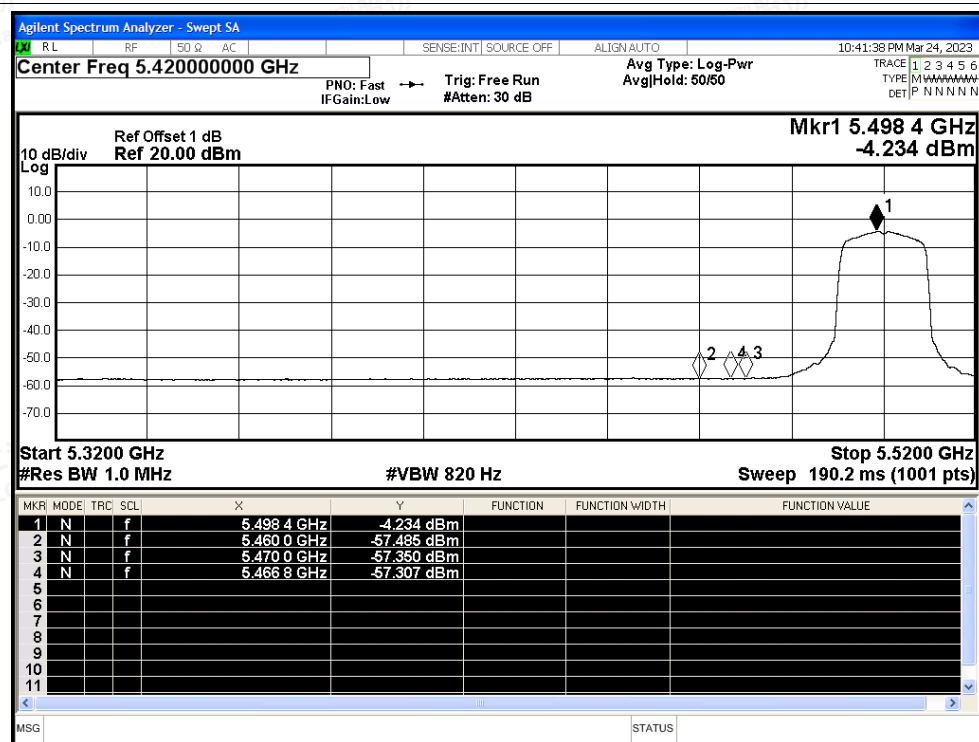
Scan code to check authenticity



Restrict Band NVNT ac20 5500MHz MIMO Peak



Restrict Band NVNT ac20 5500MHz MIMO Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

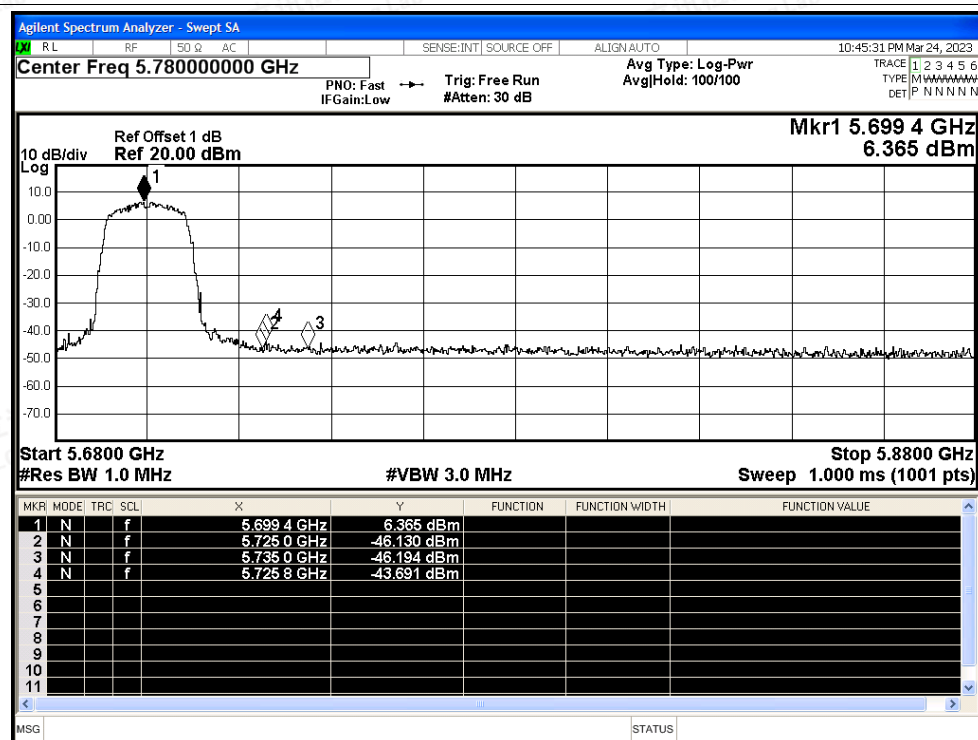
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

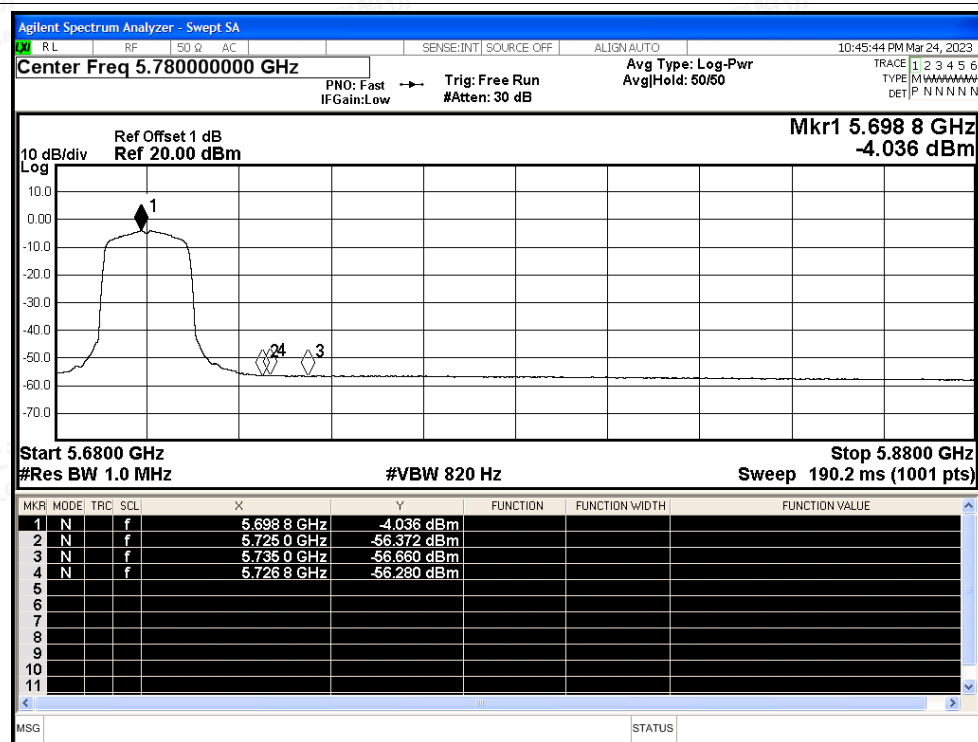
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Restrict Band NVNT ac20 5700MHz MIMO Peak

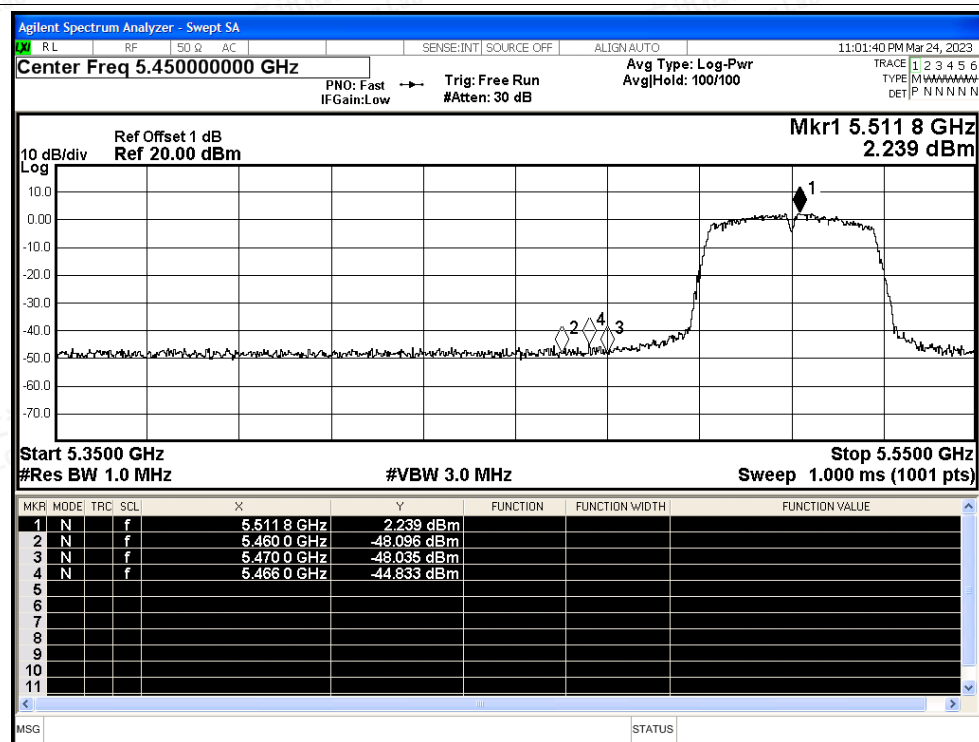


Restrict Band NVNT ac20 5700MHz MIMO Average

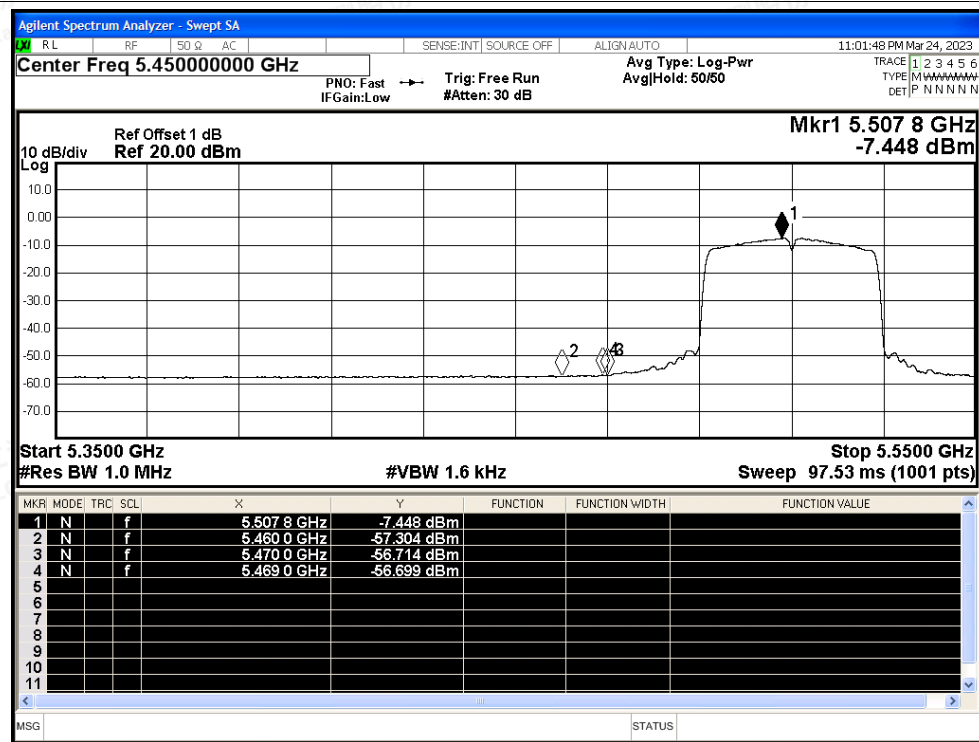




Restrict Band NVNT ac40 5510MHz MIMO Peak

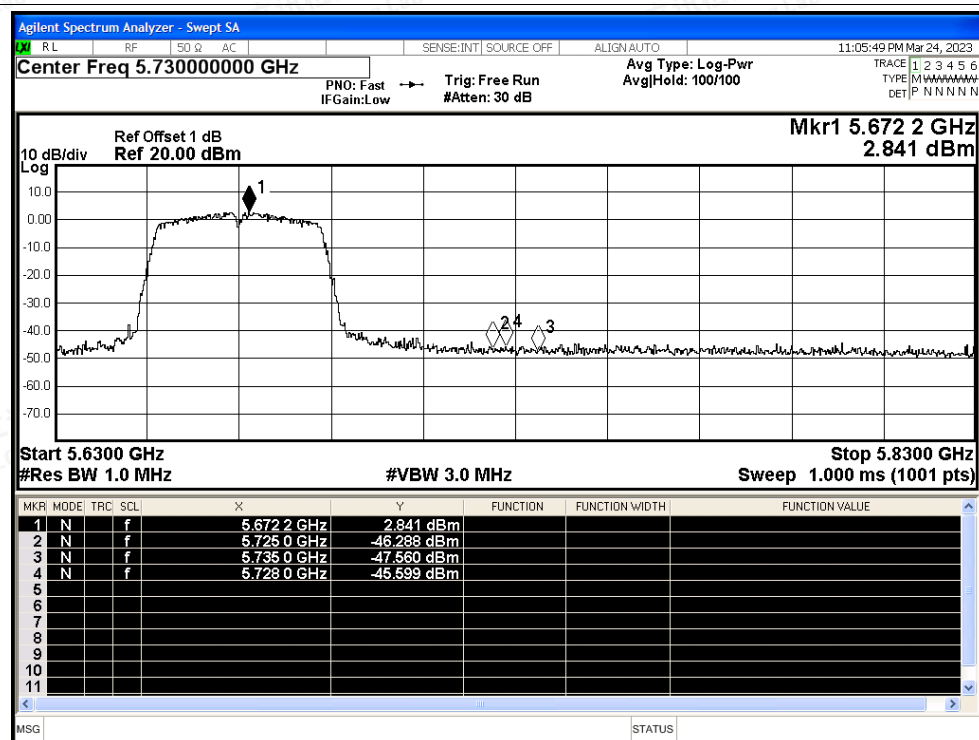


Restrict Band NVNT ac40 5510MHz MIMO Average

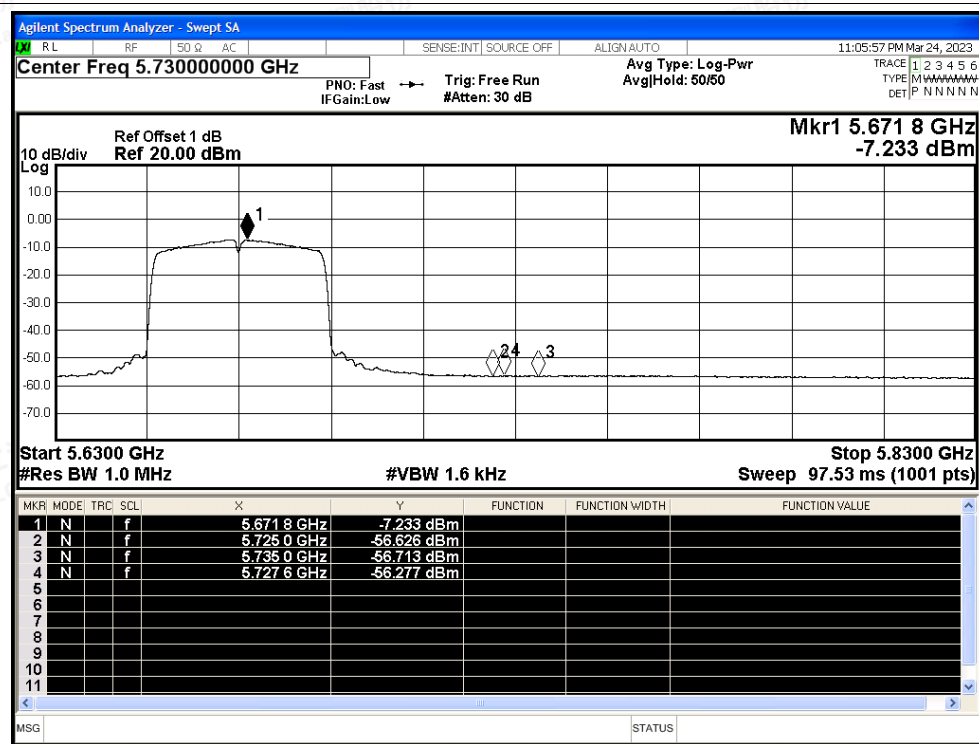




Restrict Band NVNT ac40 5670MHz MIMO Peak

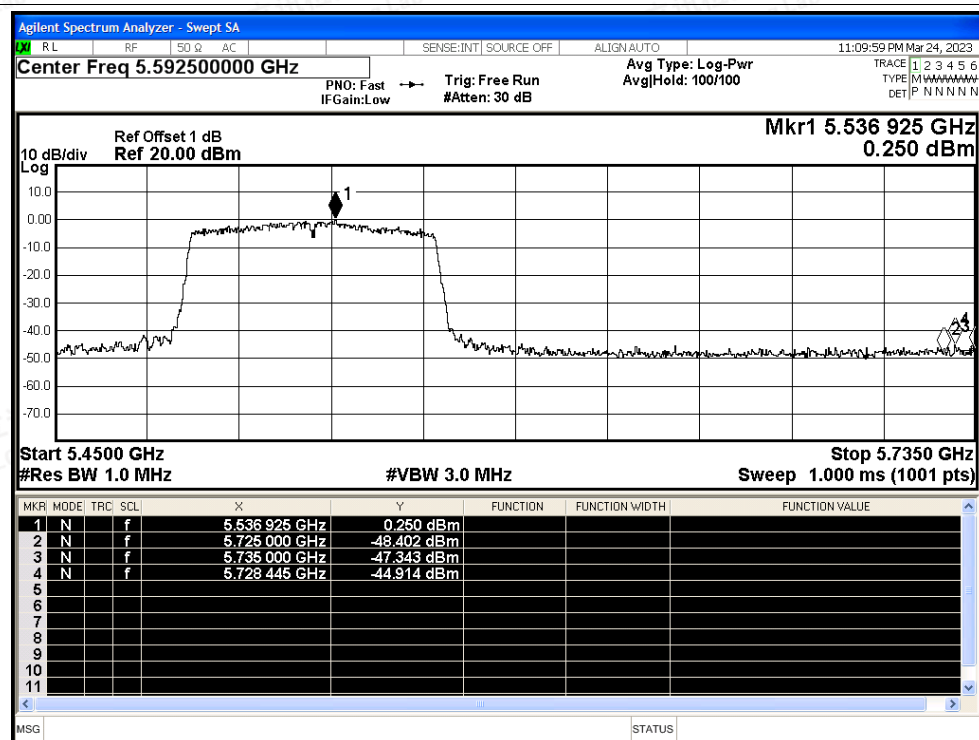


Restrict Band NVNT ac40 5670MHz MIMO Average

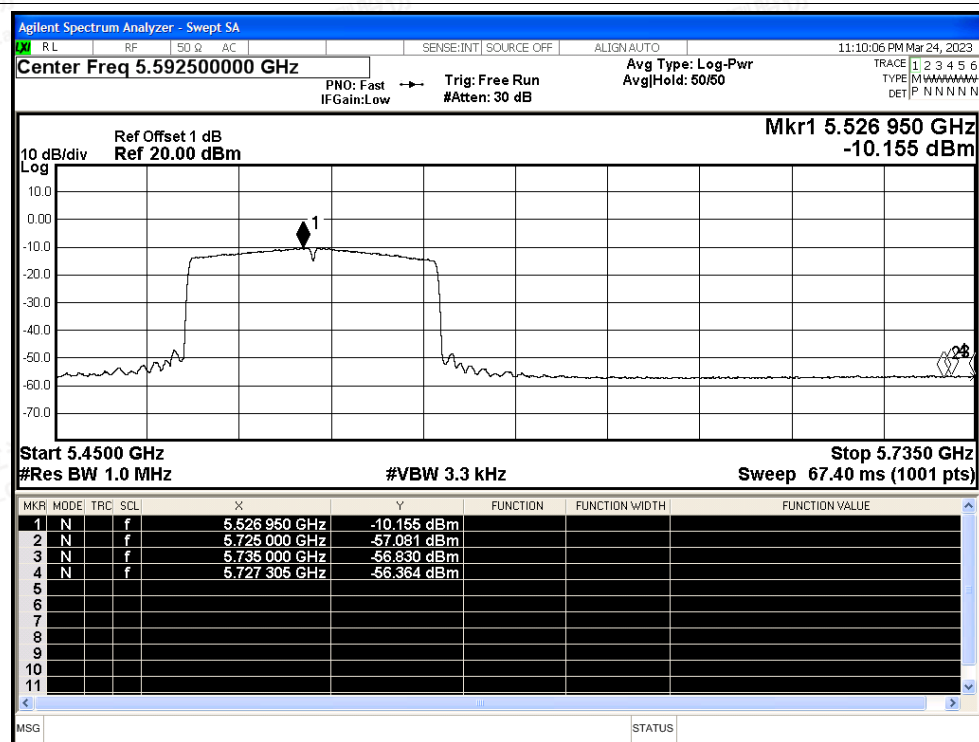




Restrict Band NVNT ac80 5530MHz MIMO Peak

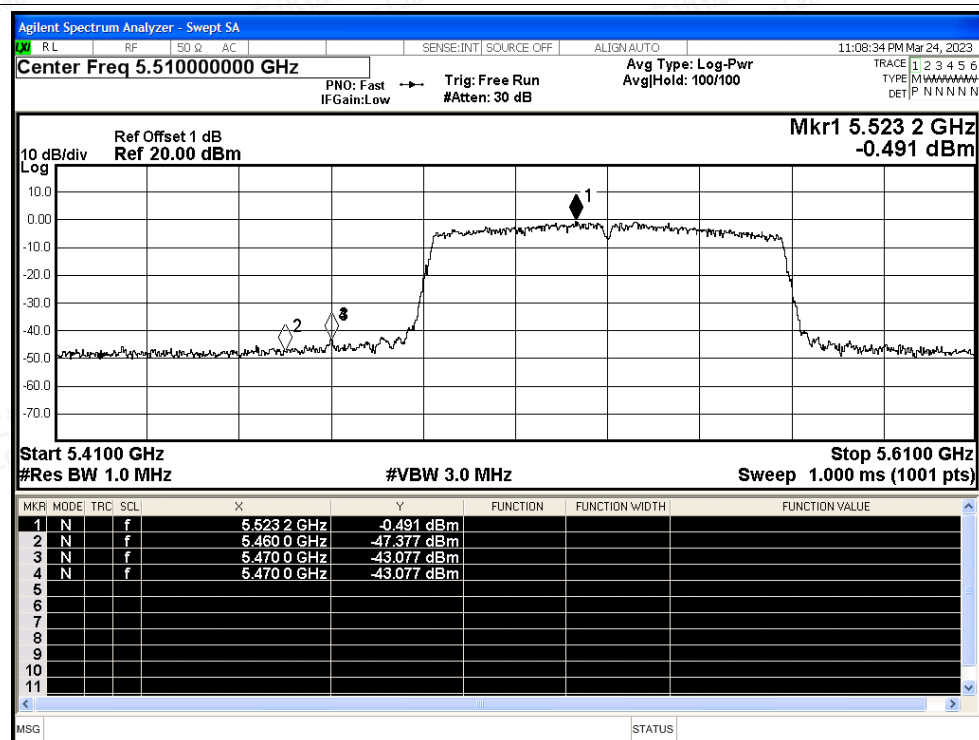


Restrict Band NVNT ac80 5530MHz MIMO Average

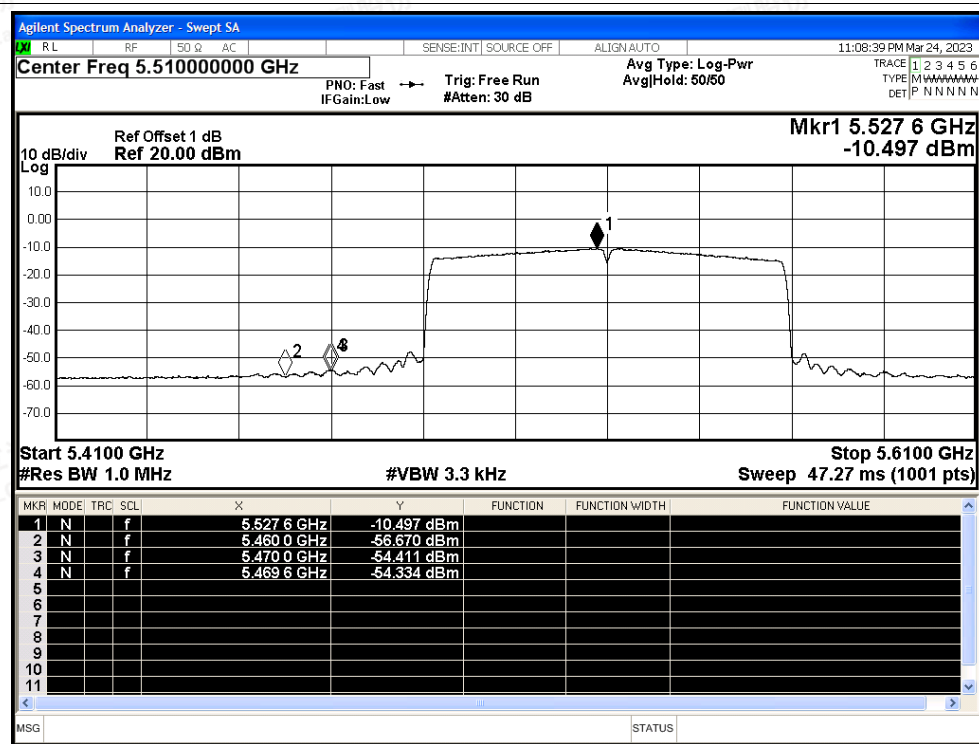




Restrict Band NVNT ac80 5530MHz MIMO Peak

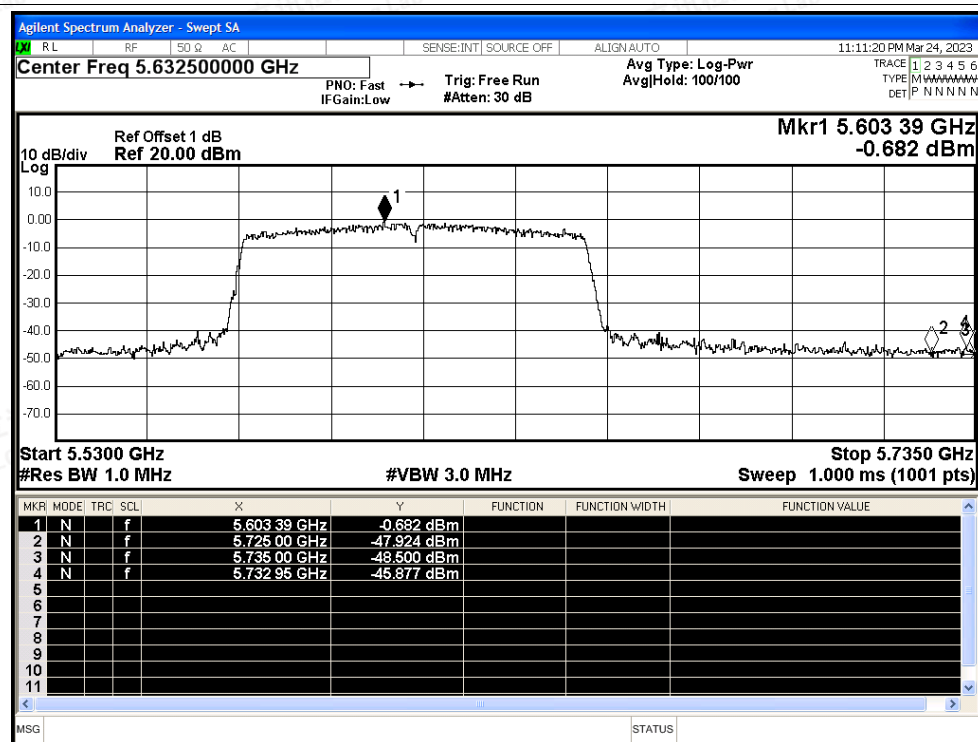


Restrict Band NVNT ac80 5530MHz MIMO Average

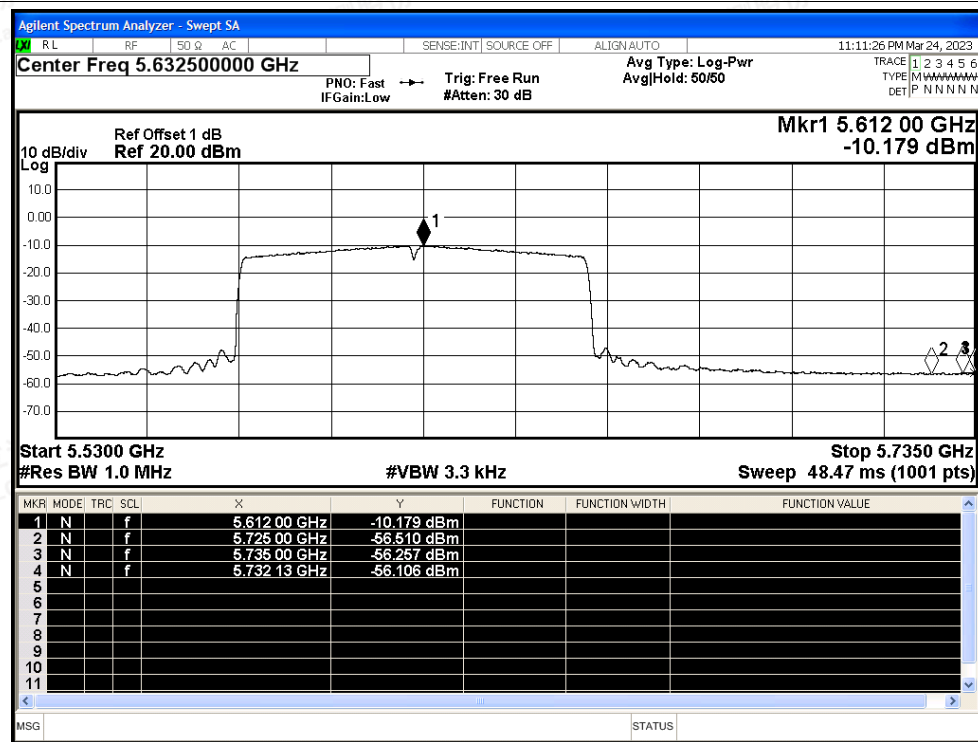




Restrict Band NVNT ac80 5610MHz MIMO Peak



Restrict Band NVNT ac80 5610MHz MIMO Average





F.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5500	Ant0	5500	0	0	25	Pass
NVNT	ac20	5580	Ant0	5580	0	0	25	Pass
NVNT	ac20	5700	Ant0	5700.02	20000	3.51	25	Pass
NVNT	ac40	5510	Ant0	5510	0	0	25	Pass
NVNT	ac40	5550	Ant0	5550	0	0	25	Pass
NVNT	ac40	5670	Ant0	5670	0	0	25	Pass
NVNT	ac80	5530	Ant0	5530	0	0	25	Pass
NVNT	ac80	5610	Ant0	5610	0	0	25	Pass

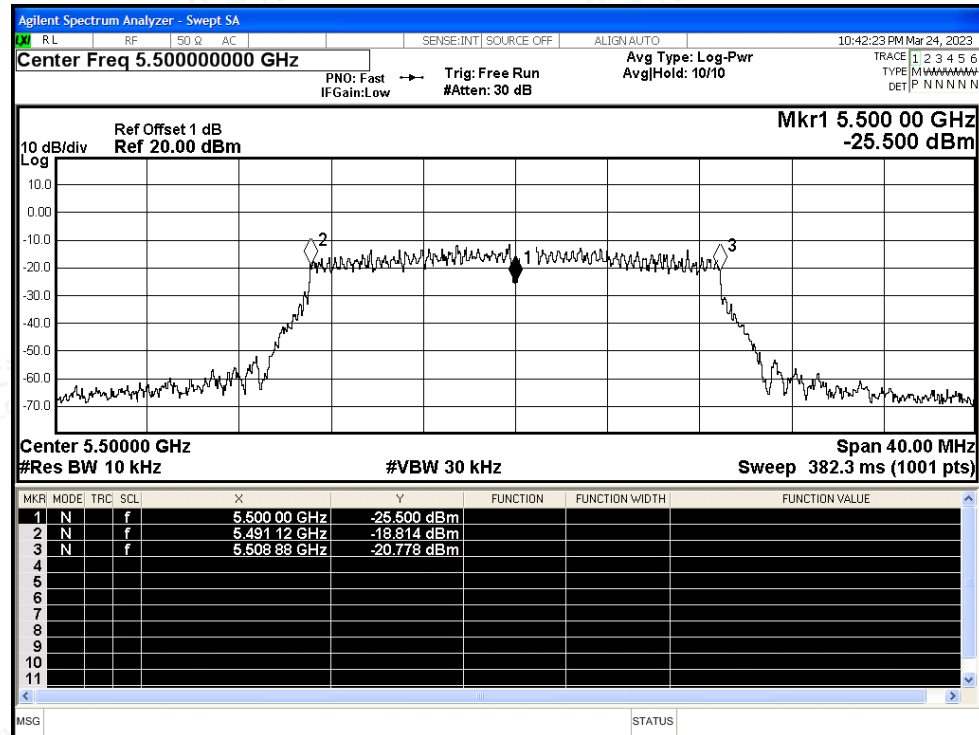


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

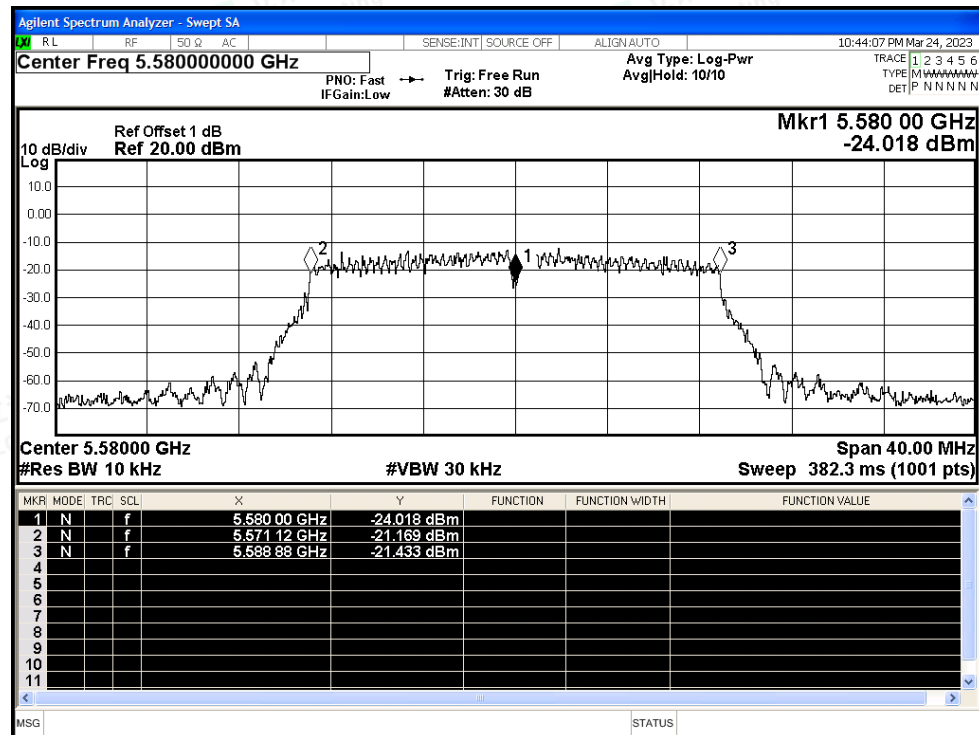


Test Graphs

Freq. Stability NVNT ac20 5500MHz Ant0

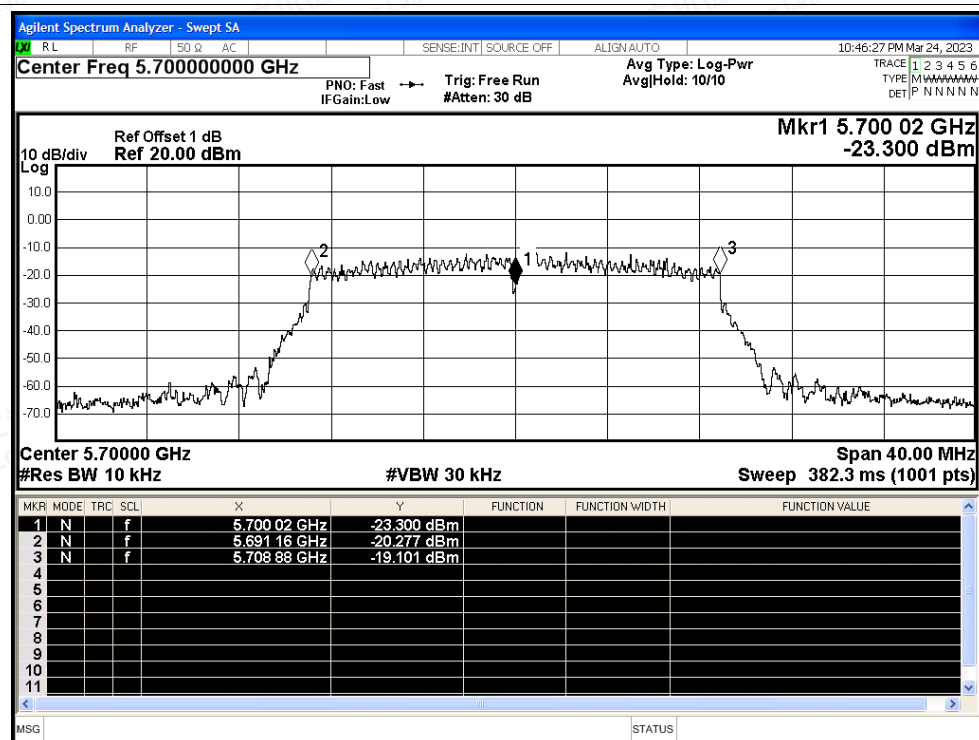


Freq. Stability NVNT ac20 5580MHz Ant0

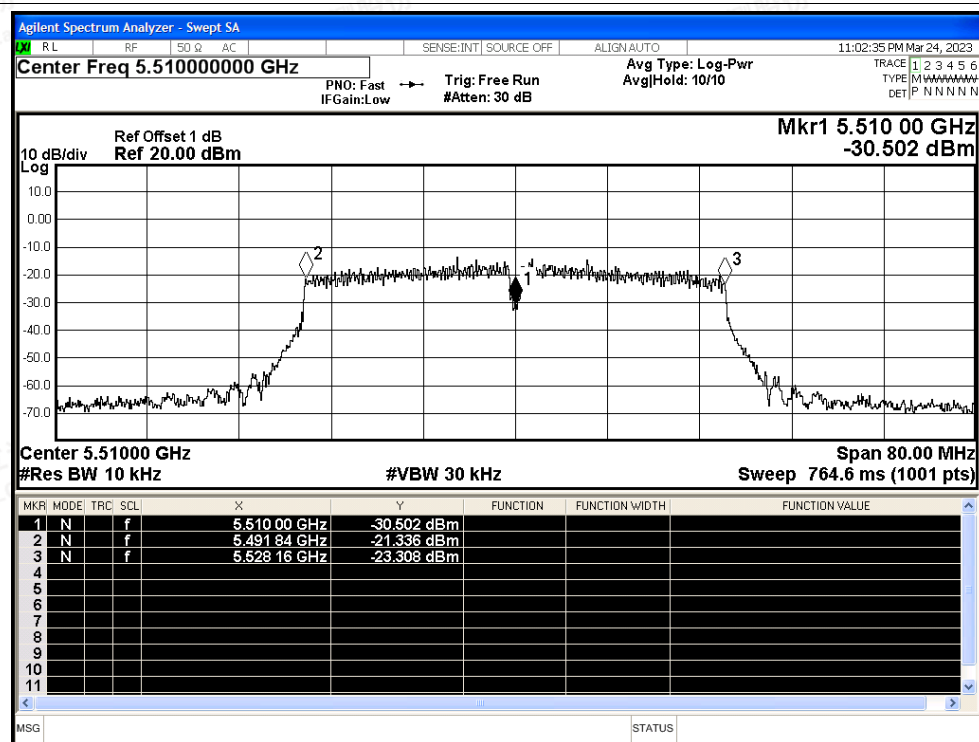




Freq. Stability NVNT ac20 5700MHz Ant0



Freq. Stability NVNT ac40 5510MHz Ant0



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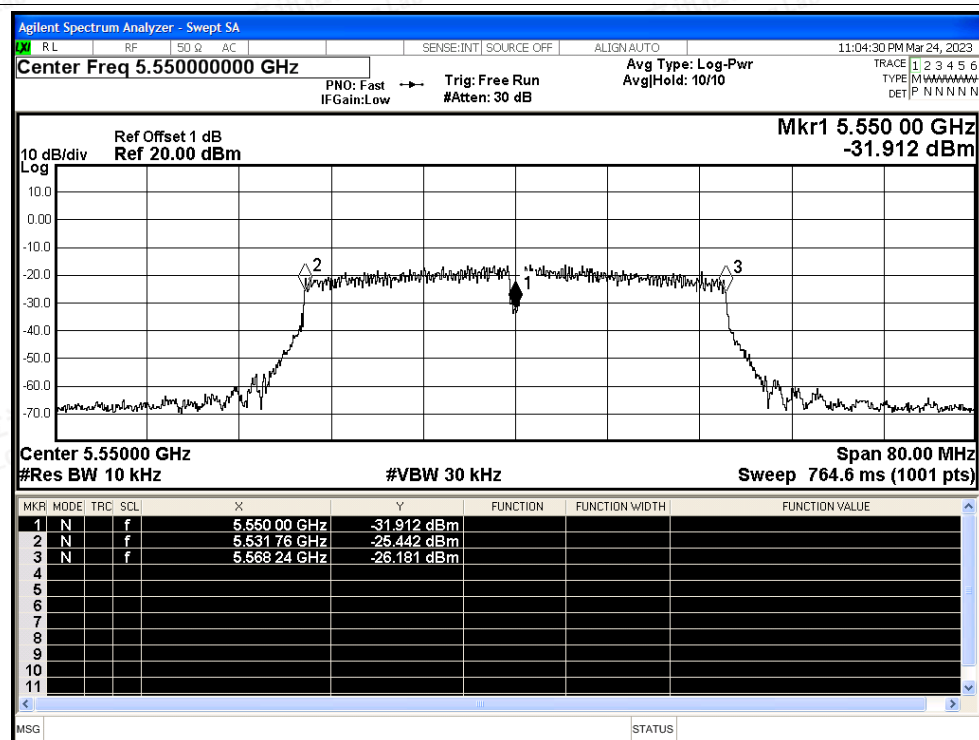
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

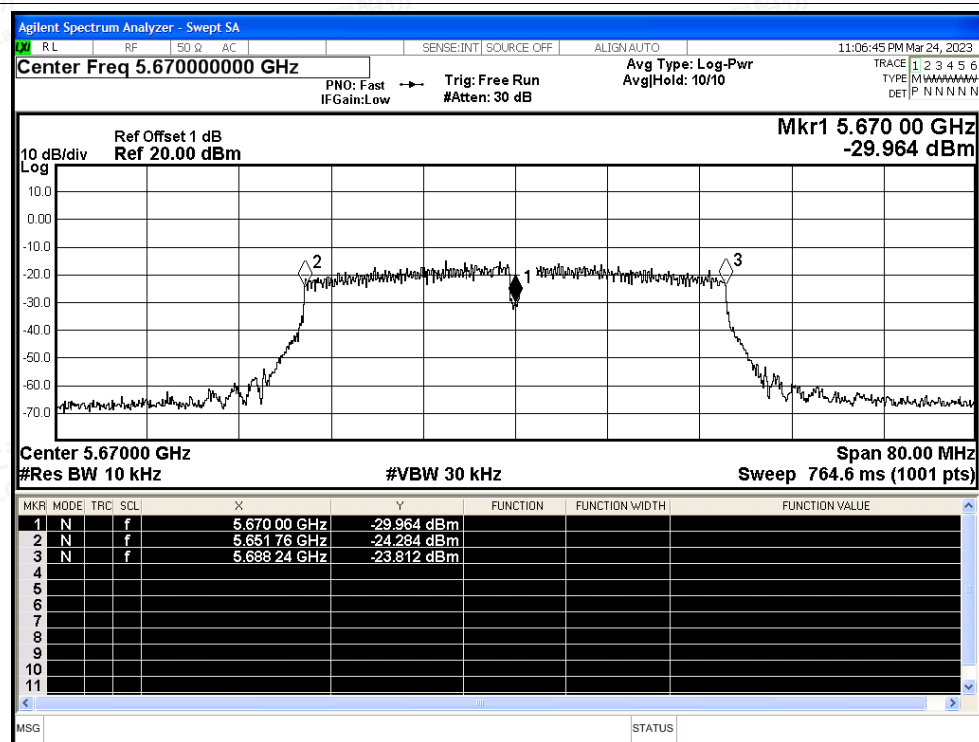
Scan code to check authenticity



Freq. Stability NVNT ac40 5550MHz Ant0

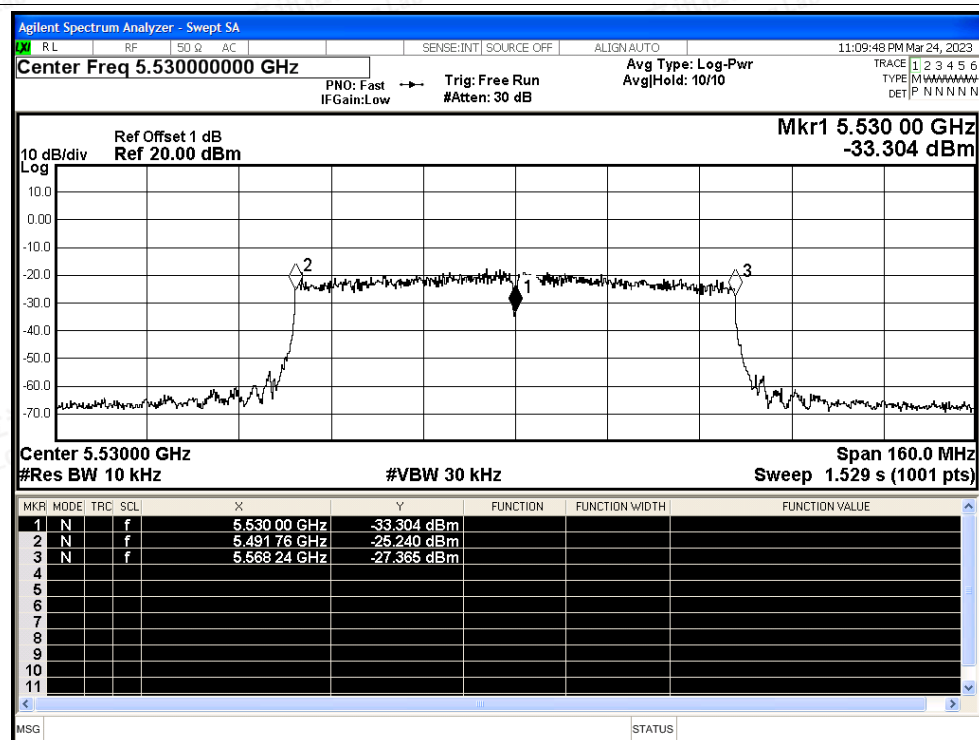


Freq. Stability NVNT ac40 5670MHz Ant0

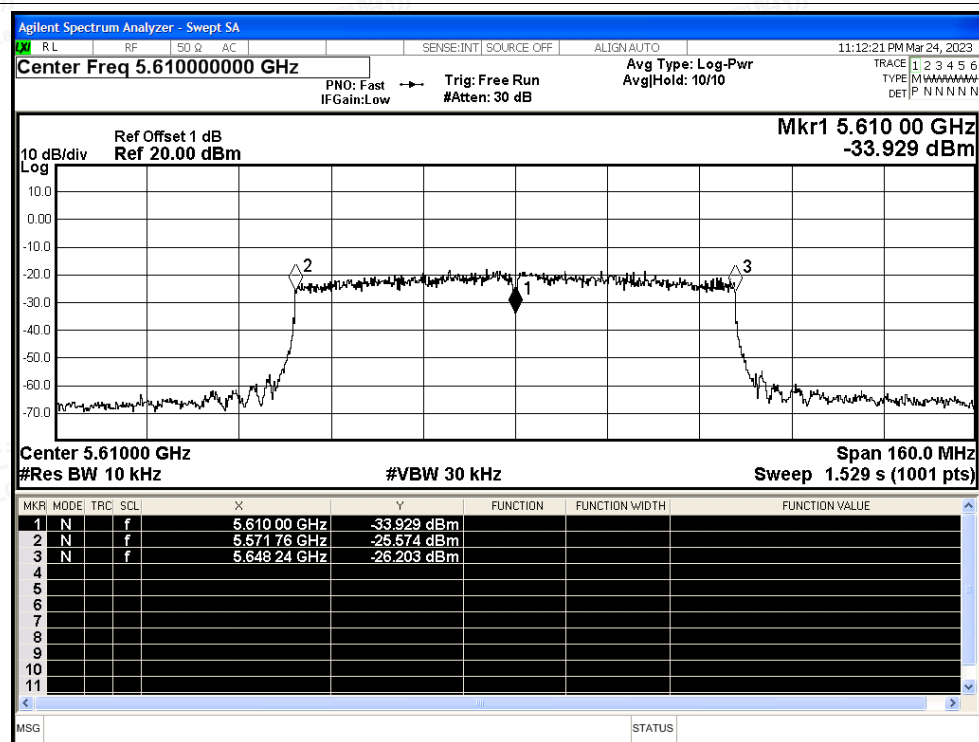




Freq. Stability NVNT ac80 5530MHz Ant0



Freq. Stability NVNT ac80 5610MHz Ant0





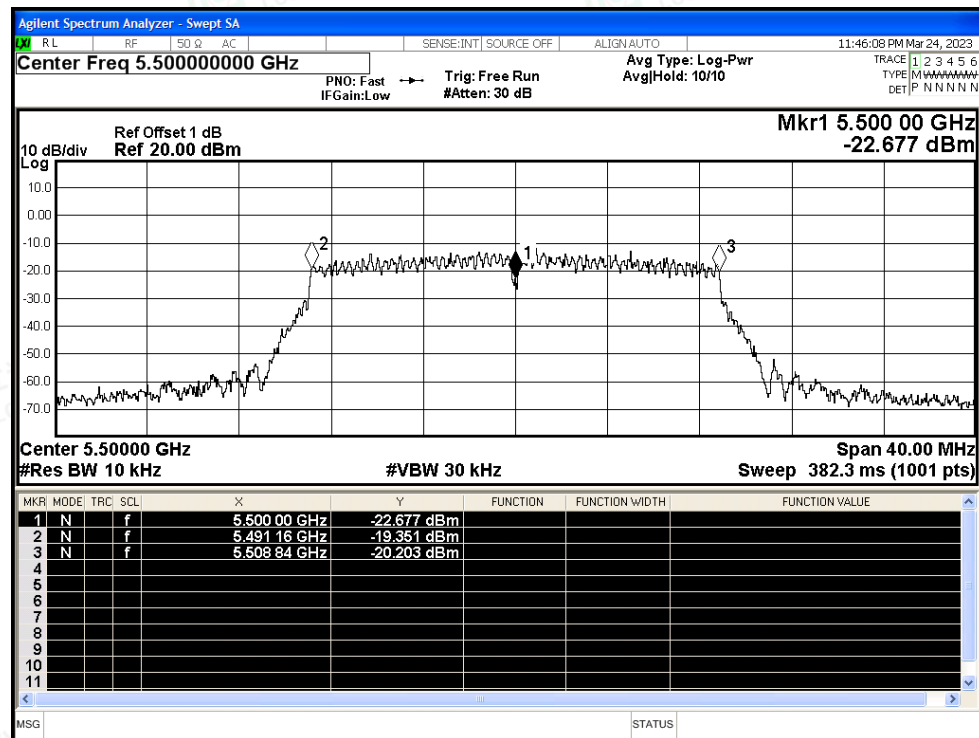
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5500	Ant1	5500	0	0	25	Pass
NVNT	ac20	5580	Ant1	5580.02	20000	3.58	25	Pass
NVNT	ac20	5700	Ant1	5700	0	0	25	Pass
NVNT	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
NVNT	ac40	5550	Ant1	5550	0	0	25	Pass
NVNT	ac40	5670	Ant1	5670	0	0	25	Pass
NVNT	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
NVNT	ac80	5610	Ant1	5610	0	0	25	Pass



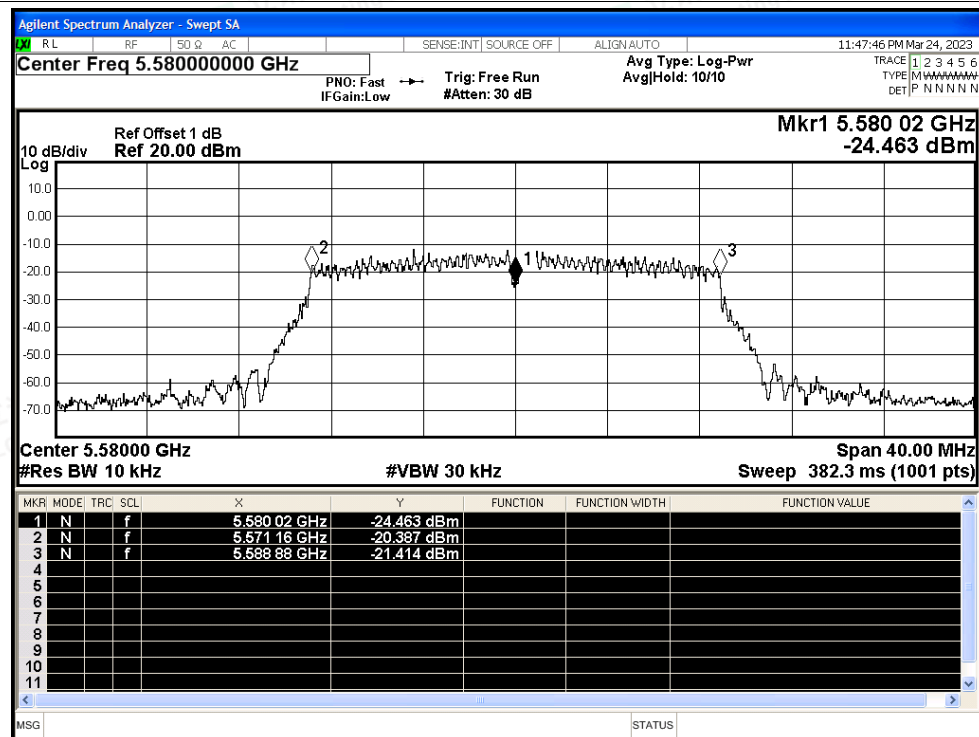


Test Graphs

Freq. Stability NVNT ac20 5500MHz Ant1

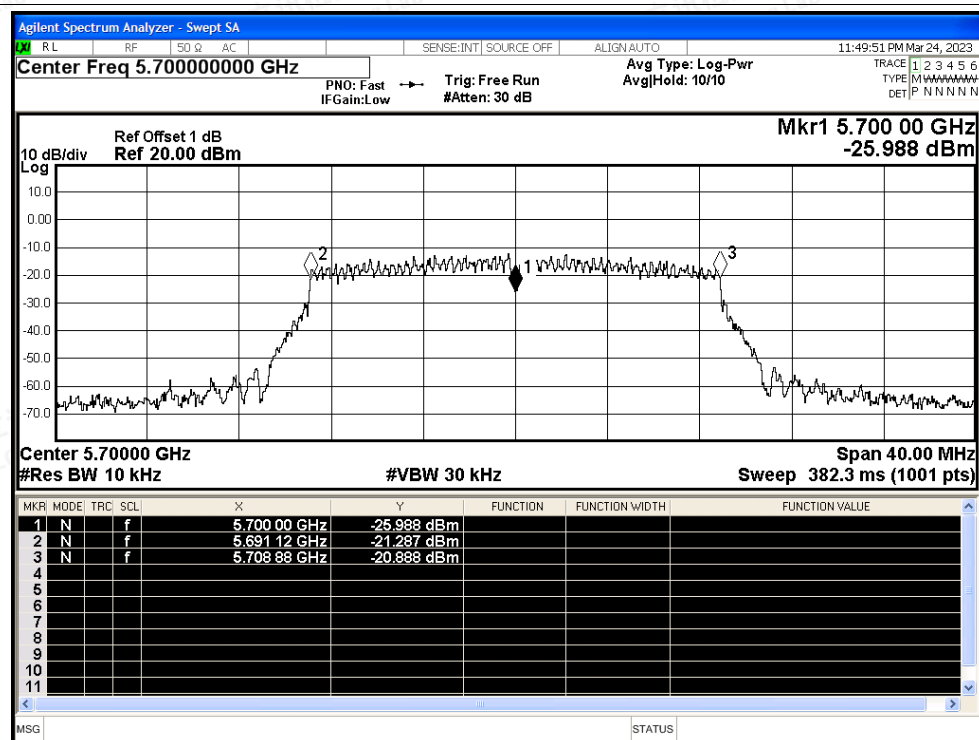


Freq. Stability NVNT ac20 5580MHz Ant1

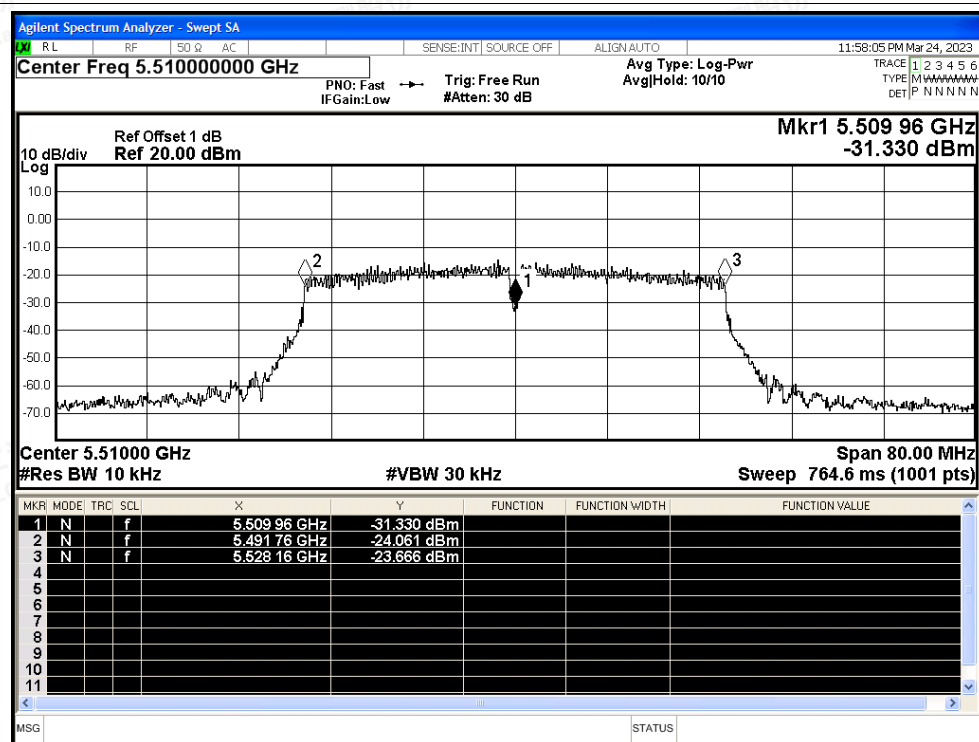




Freq. Stability NVNT ac20 5700MHz Ant1

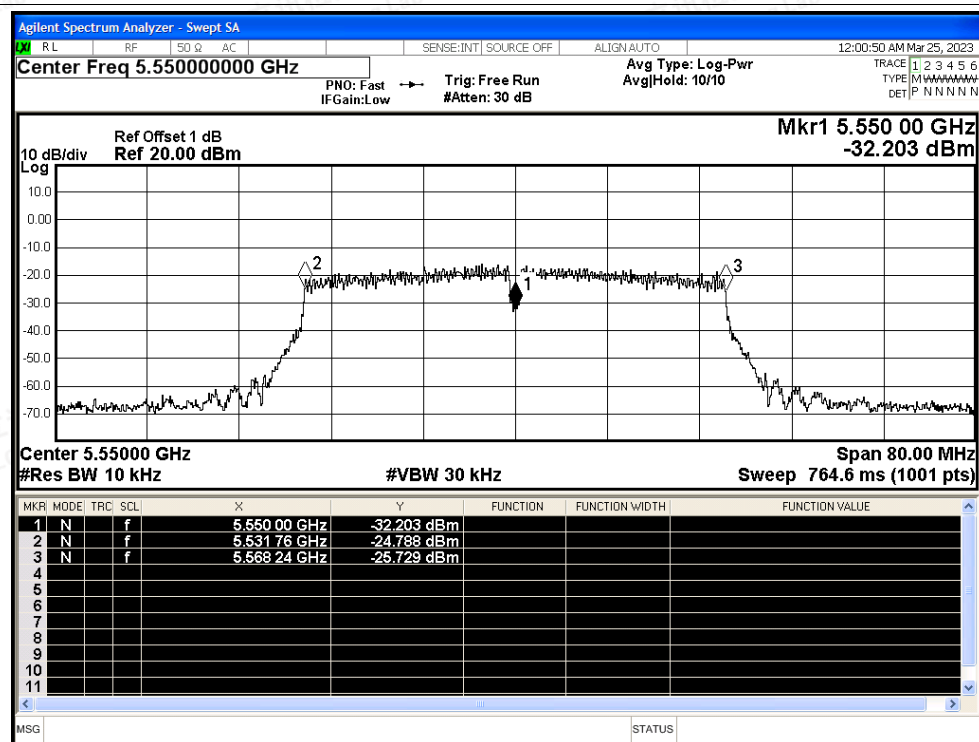


Freq. Stability NVNT ac40 5510MHz Ant1

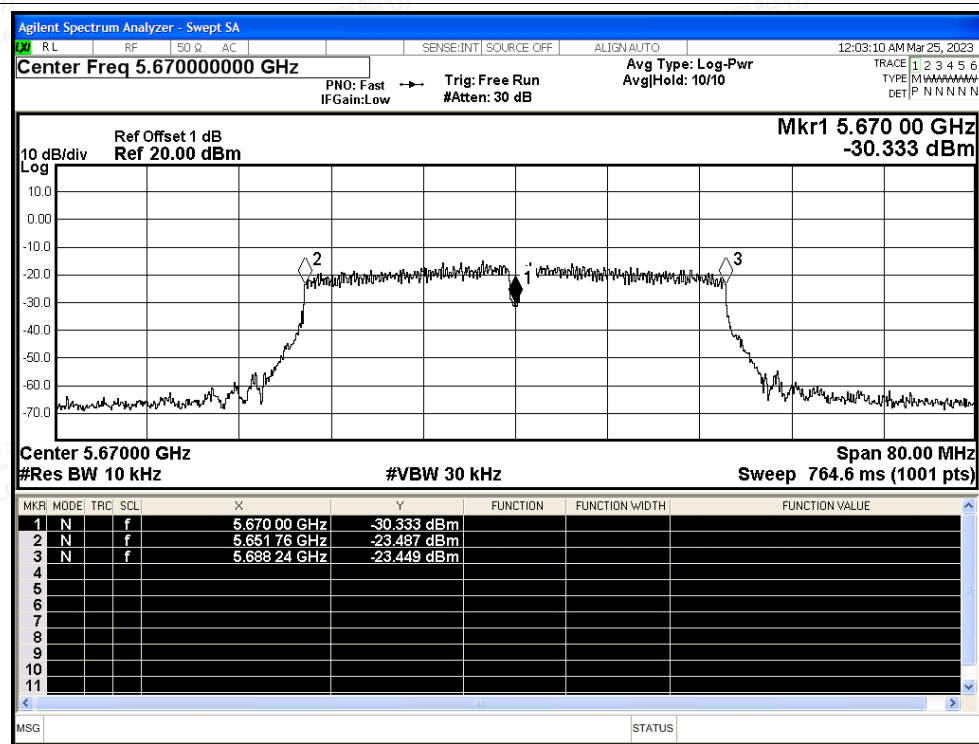




Freq. Stability NVNT ac40 5550MHz Ant1

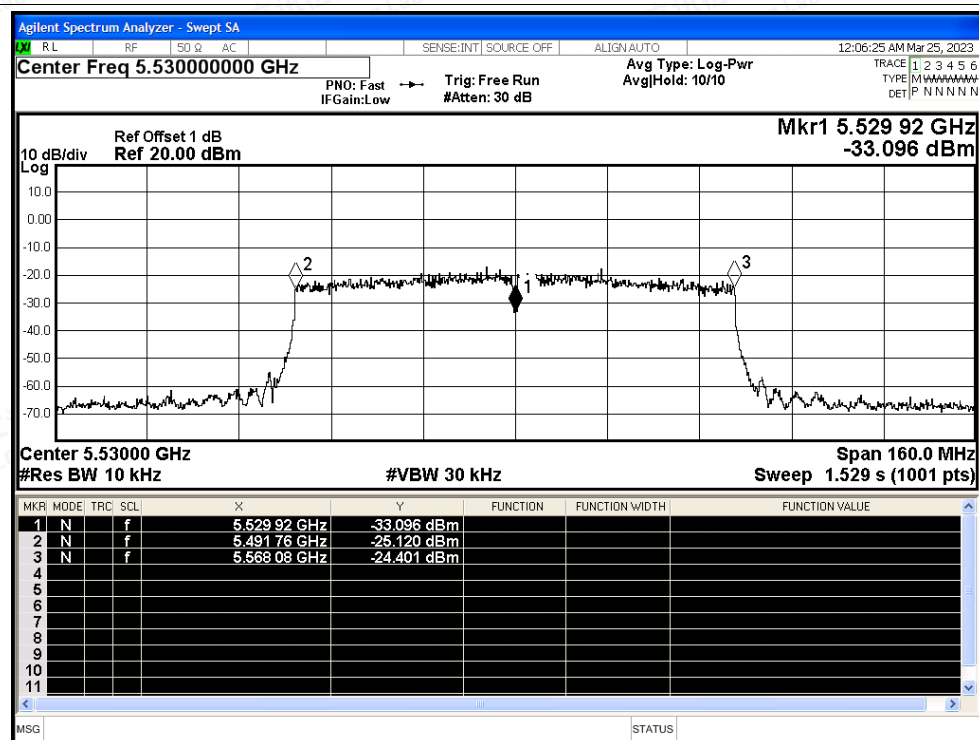


Freq. Stability NVNT ac40 5670MHz Ant1

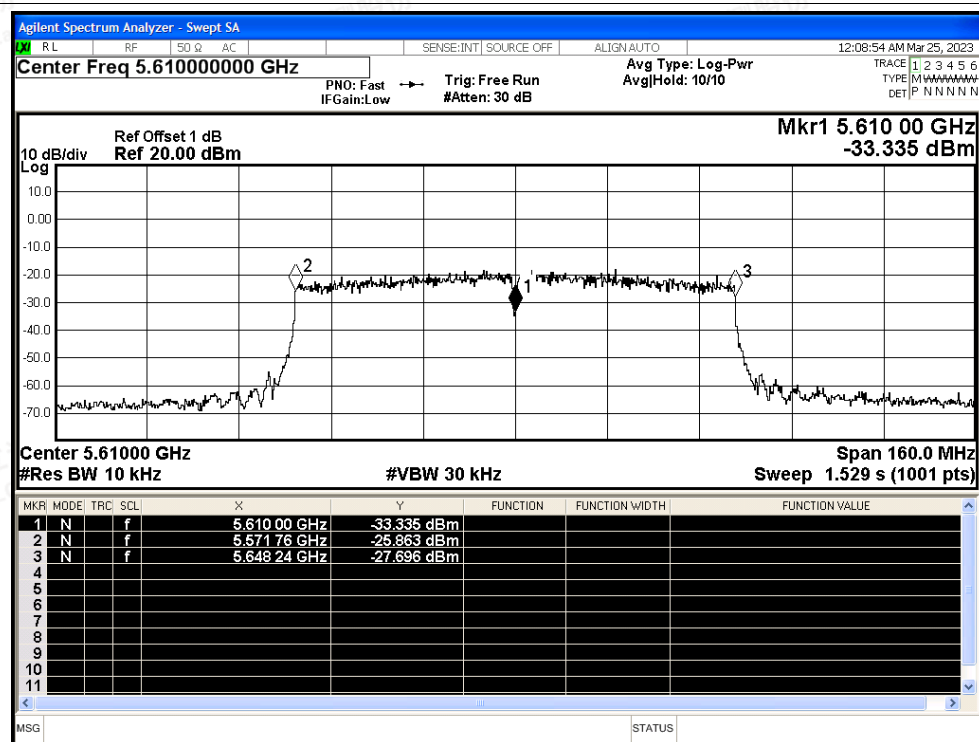




Freq. Stability NVNT ac80 5530MHz Ant1



Freq. Stability NVNT ac80 5610MHz Ant1





F.6 Duty Cycle

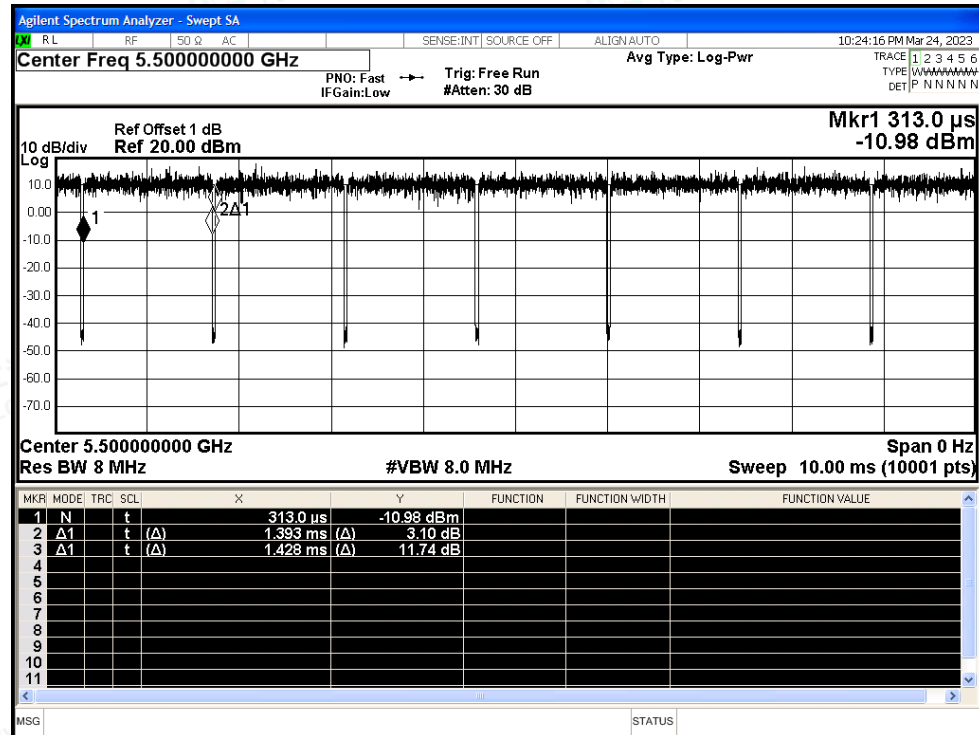
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant0	97.55	0.11	0.72
NVNT	a	5580	Ant0	97.48	0.11	0.72
NVNT	a	5700	Ant0	97.48	0.11	0.72
NVNT	n20	5500	Ant0	97.31	0.12	0.77
NVNT	n20	5580	Ant0	97.38	0.12	0.77
NVNT	n20	5700	Ant0	97.31	0.12	0.77
NVNT	n40	5510	Ant0	94.88	0.23	1.54
NVNT	n40	5550	Ant0	95.02	0.22	1.54
NVNT	n40	5670	Ant0	95.02	0.22	1.54
NVNT	ac20	5500	Ant0	97.33	0.12	0.76
NVNT	ac20	5580	Ant0	97.33	0.12	0.76
NVNT	ac20	5700	Ant0	97.33	0.12	0.76
NVNT	ac40	5510	Ant0	94.91	0.23	1.53
NVNT	ac40	5550	Ant0	95.05	0.22	1.53
NVNT	ac40	5670	Ant0	94.91	0.23	1.53
NVNT	ac80	5530	Ant0	90.25	0.45	3.09
NVNT	ac80	5610	Ant0	90.25	0.45	3.09



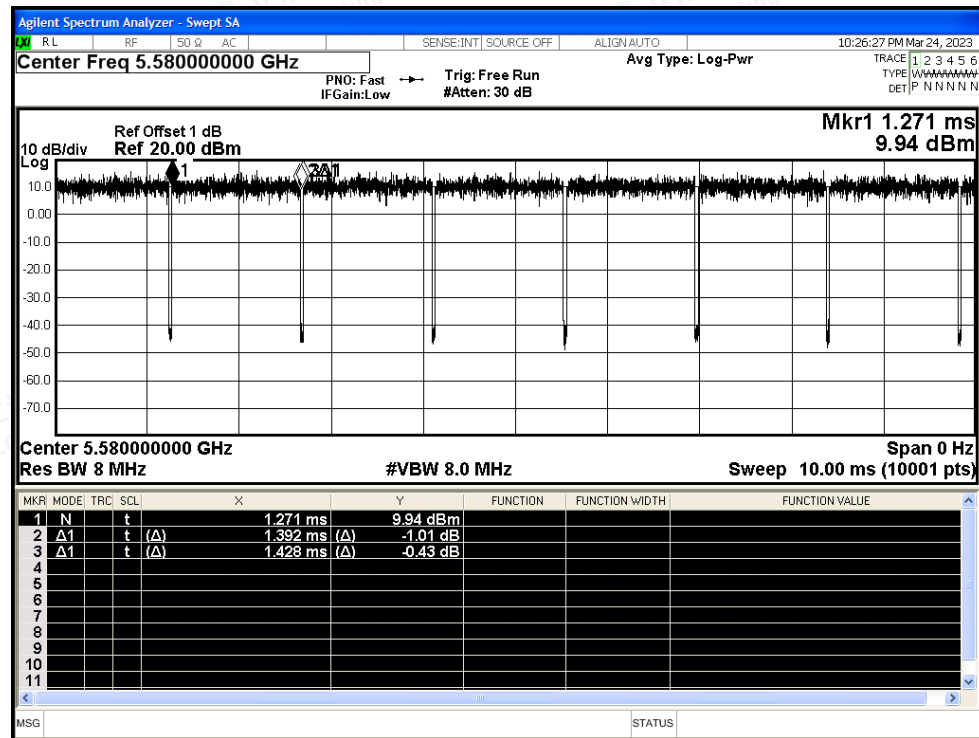


Test Graphs

Duty Cycle NVNT a 5500MHz Ant0

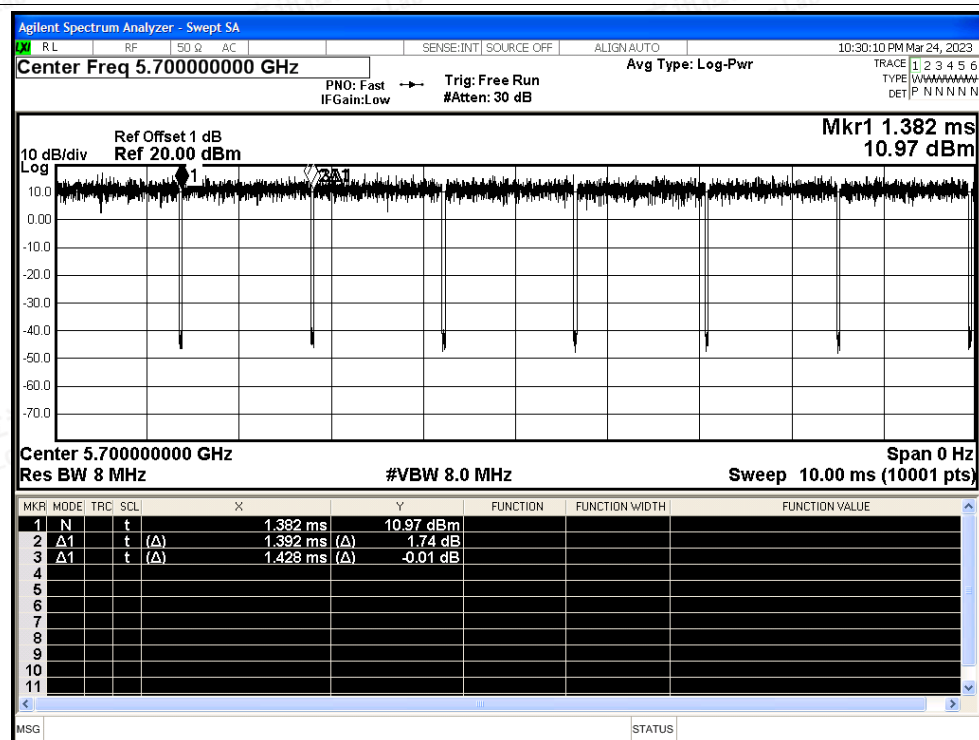


Duty Cycle NVNT a 5580MHz Ant0

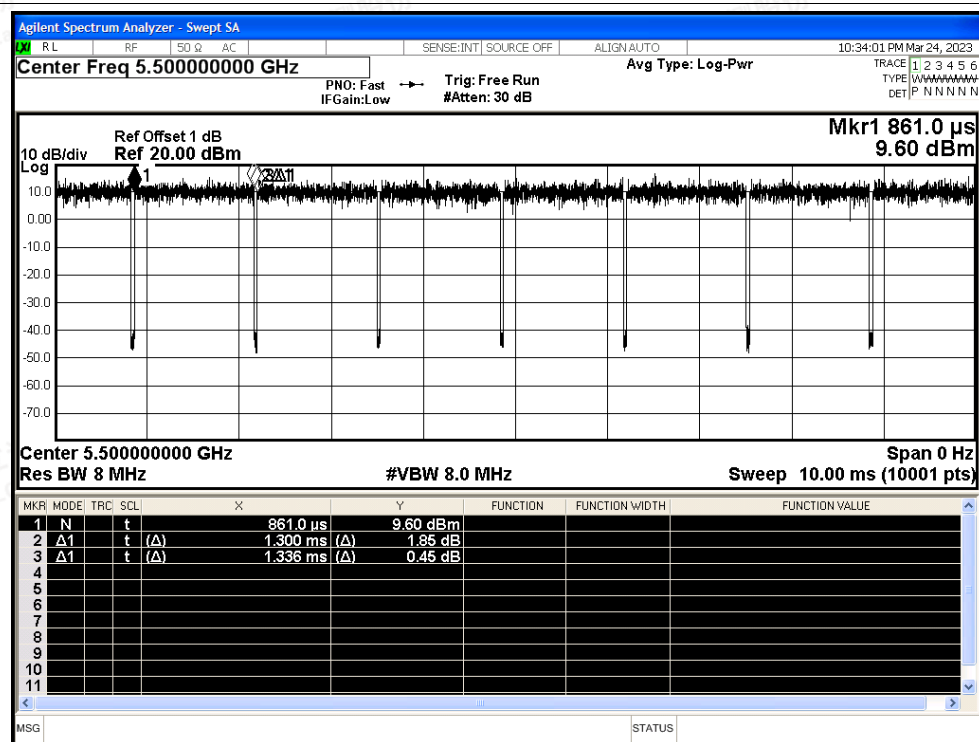




Duty Cycle NVNT a 5700MHz Ant0

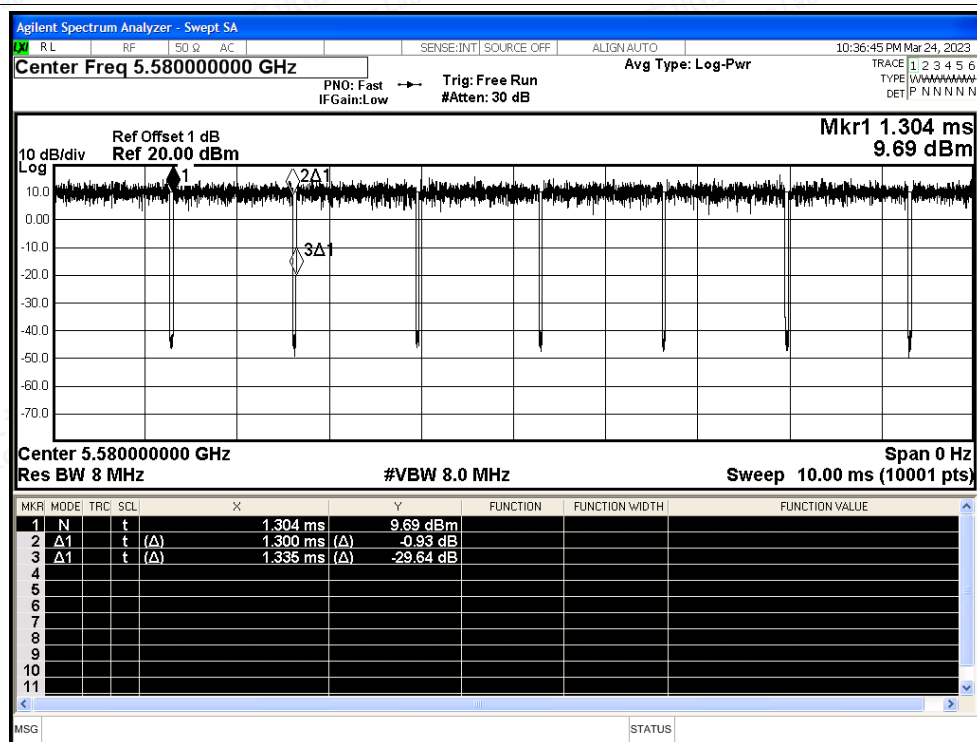


Duty Cycle NVNT n20 5500MHz Ant0

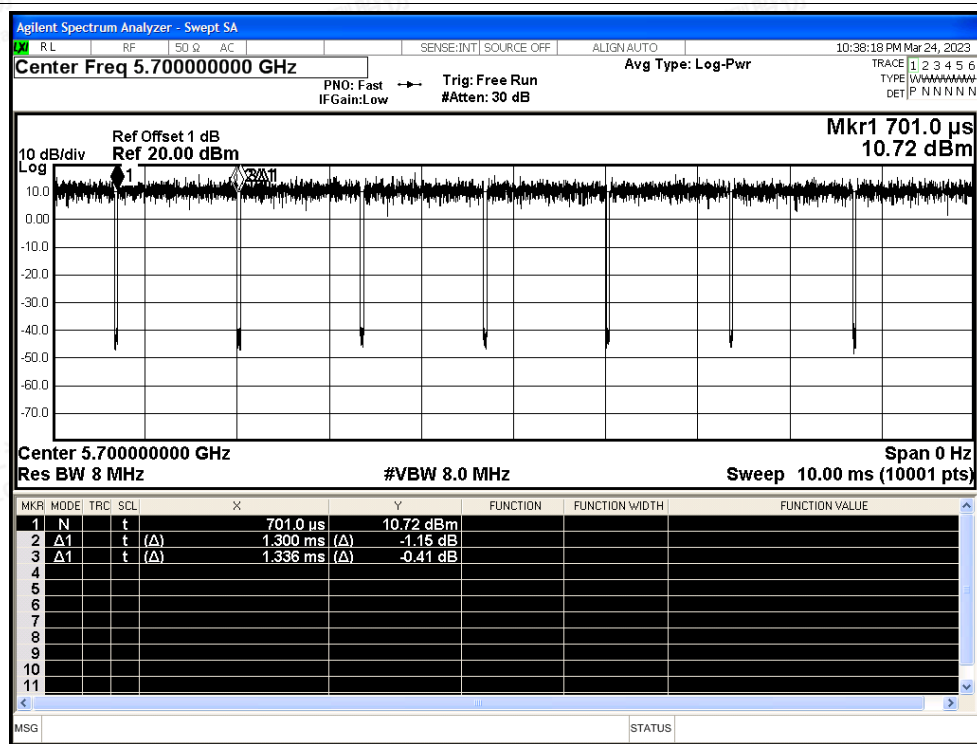




Duty Cycle NVNT n20 5580MHz Ant0

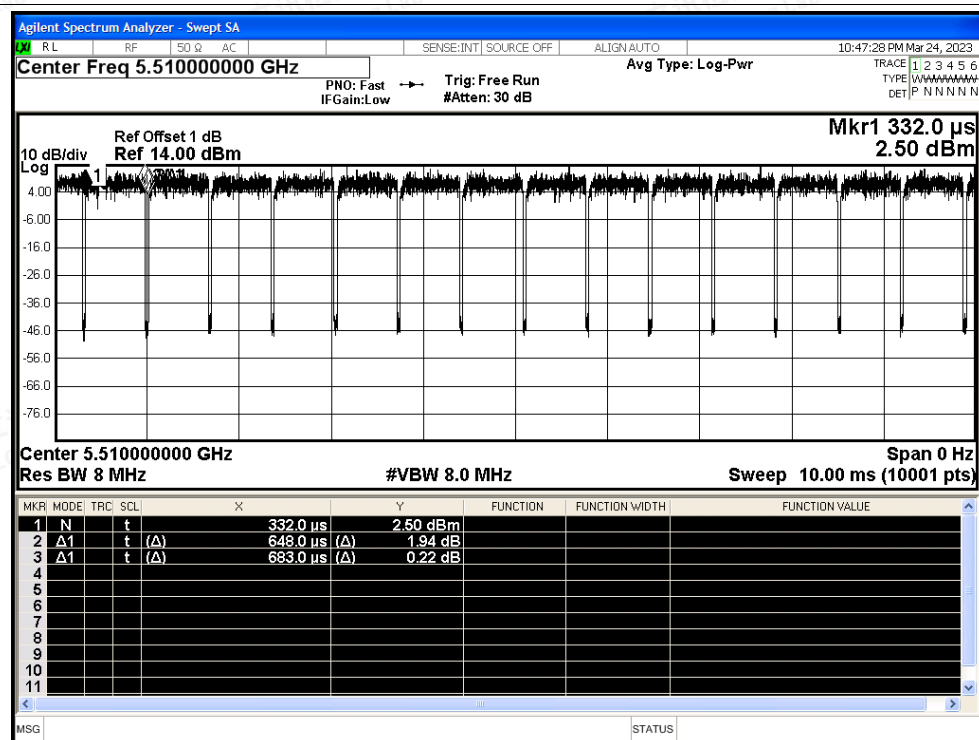


Duty Cycle NVNT n20 5700MHz Ant0

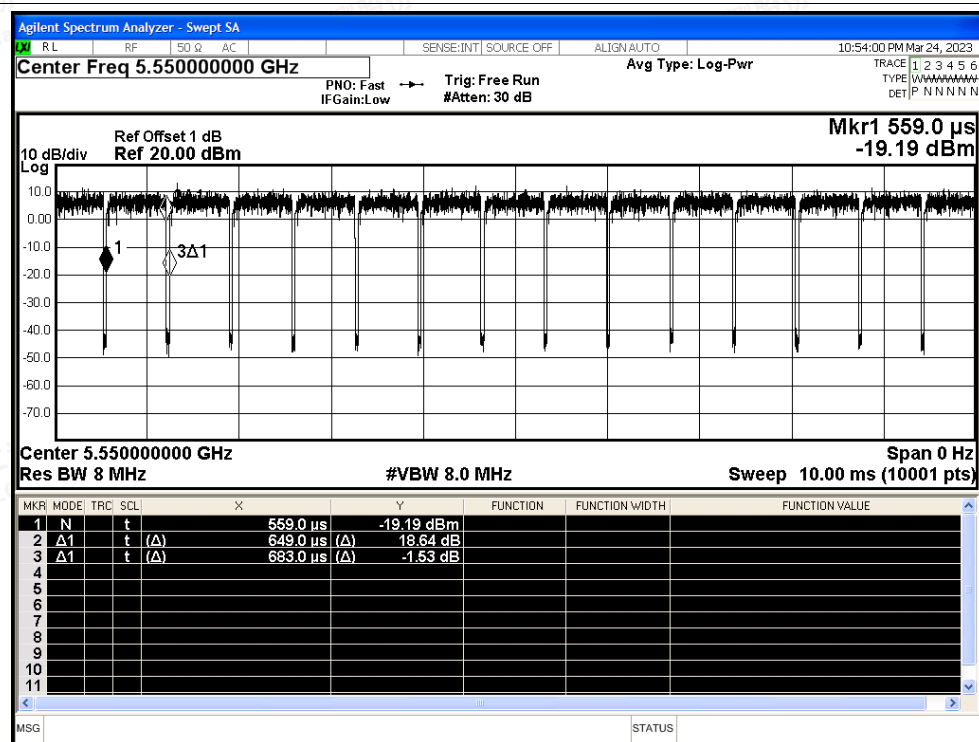




Duty Cycle NVNT n40 5510MHz Ant0

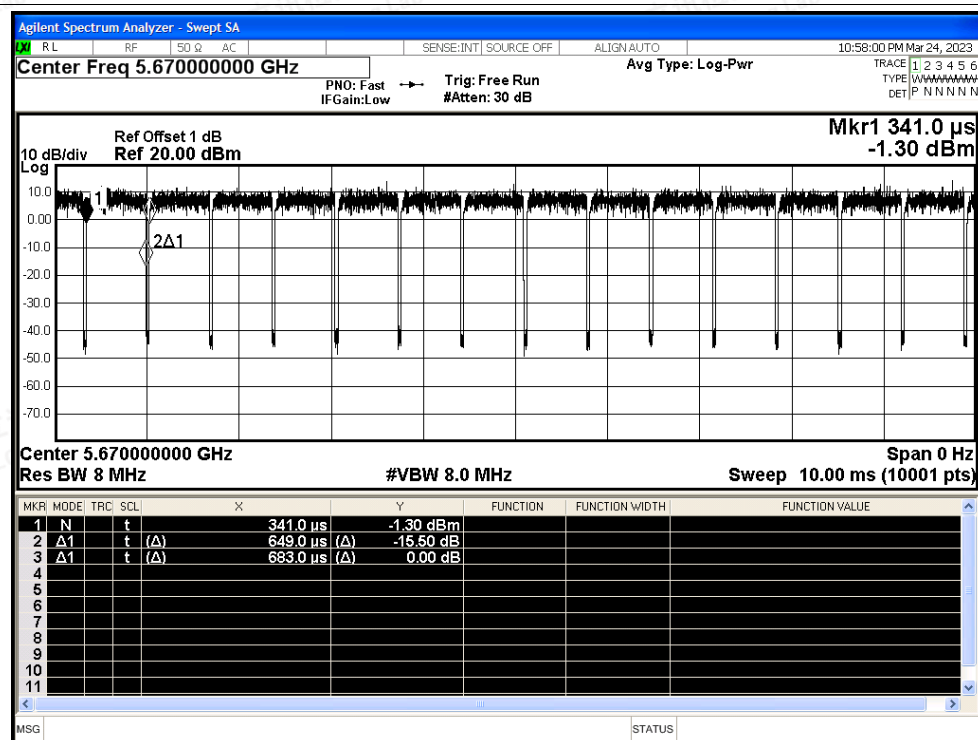


Duty Cycle NVNT n40 5550MHz Ant0

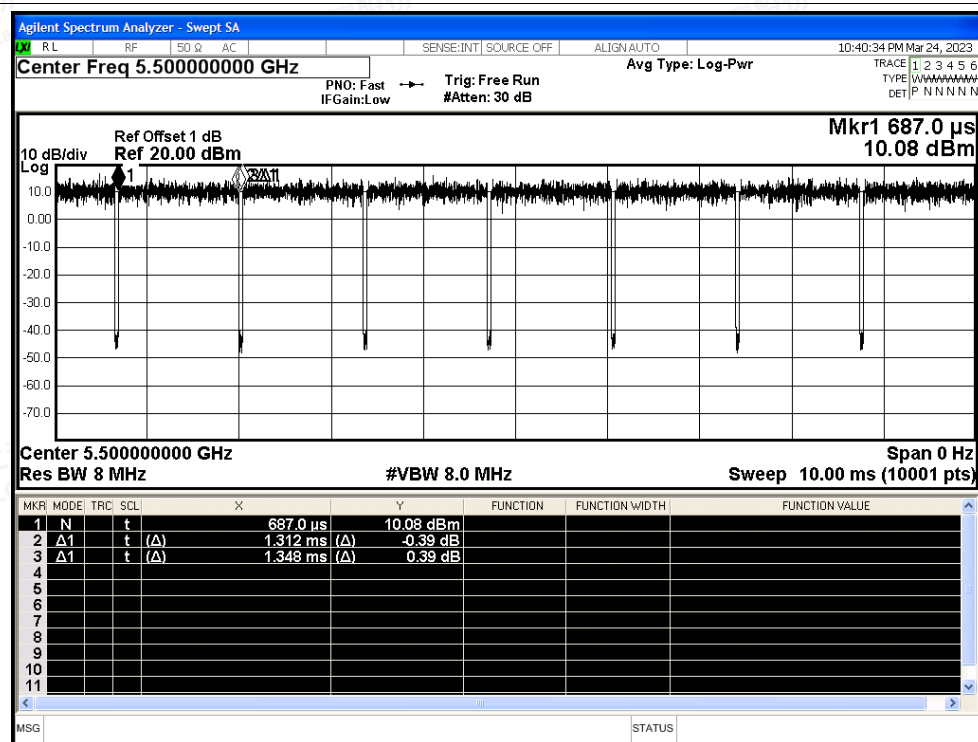




Duty Cycle NVNT n40 5670MHz Ant0

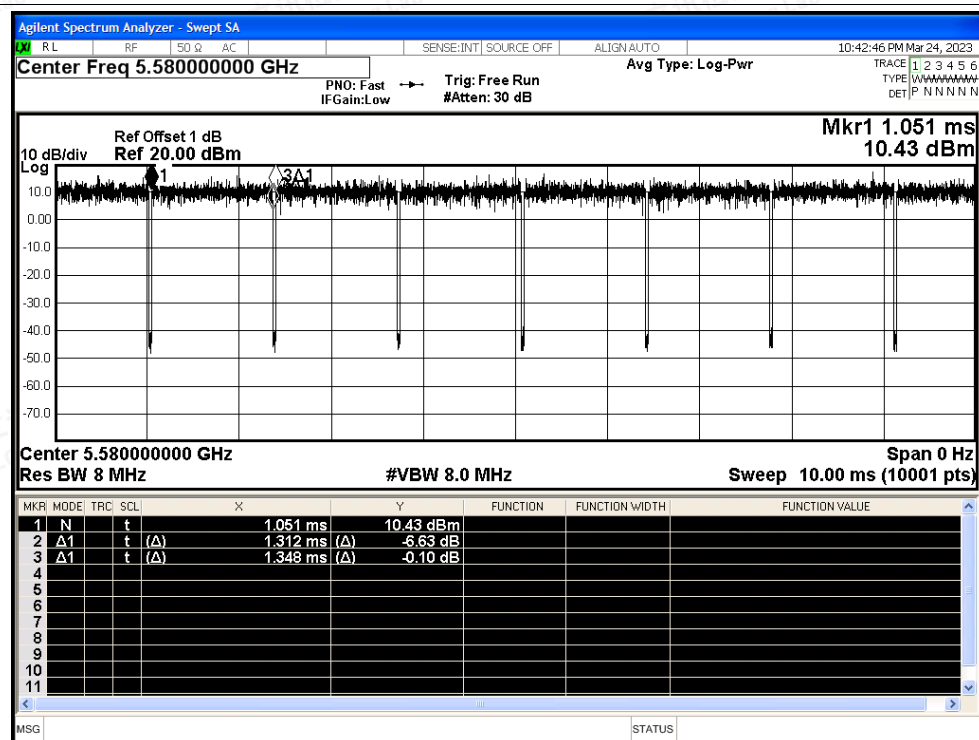


Duty Cycle NVNT ac20 5500MHz Ant0

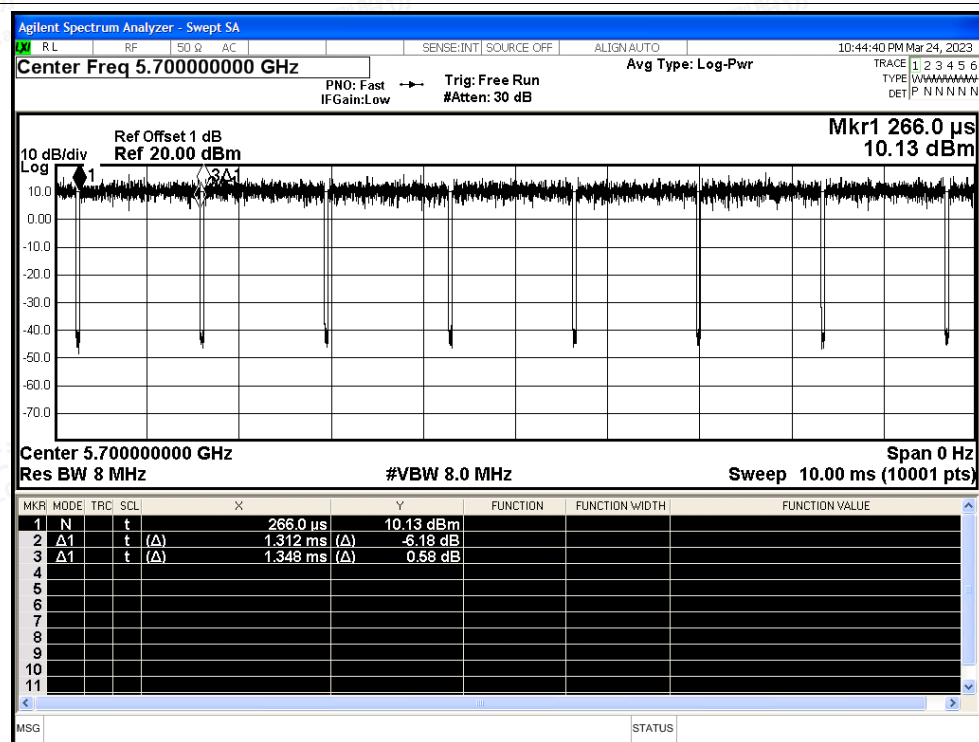




Duty Cycle NVNT ac20 5580MHz Ant0

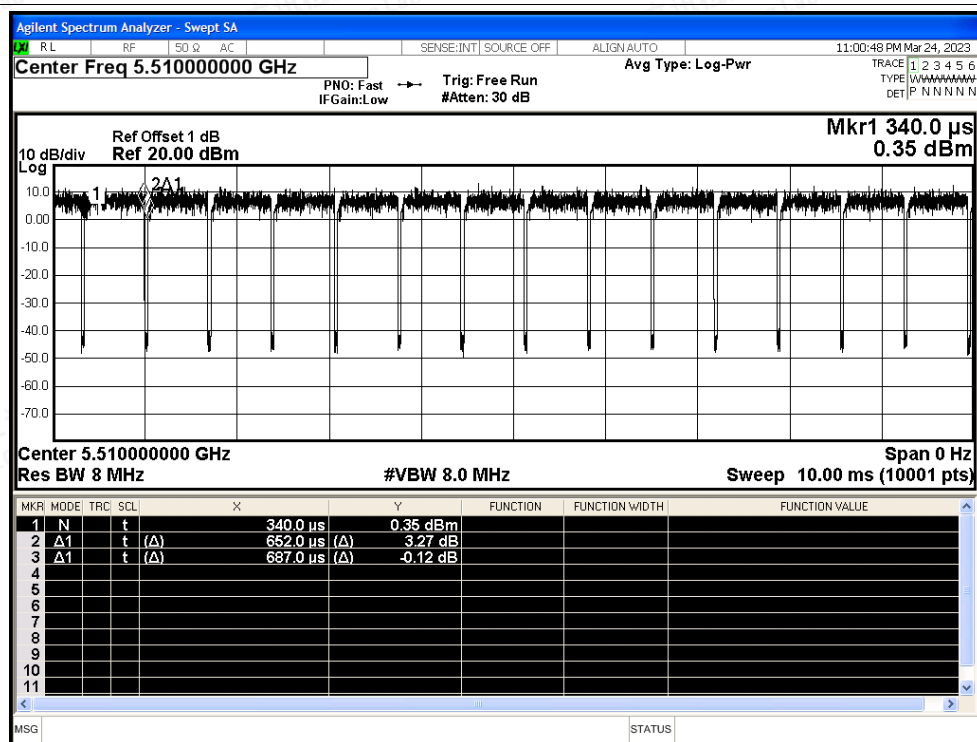


Duty Cycle NVNT ac20 5700MHz Ant0

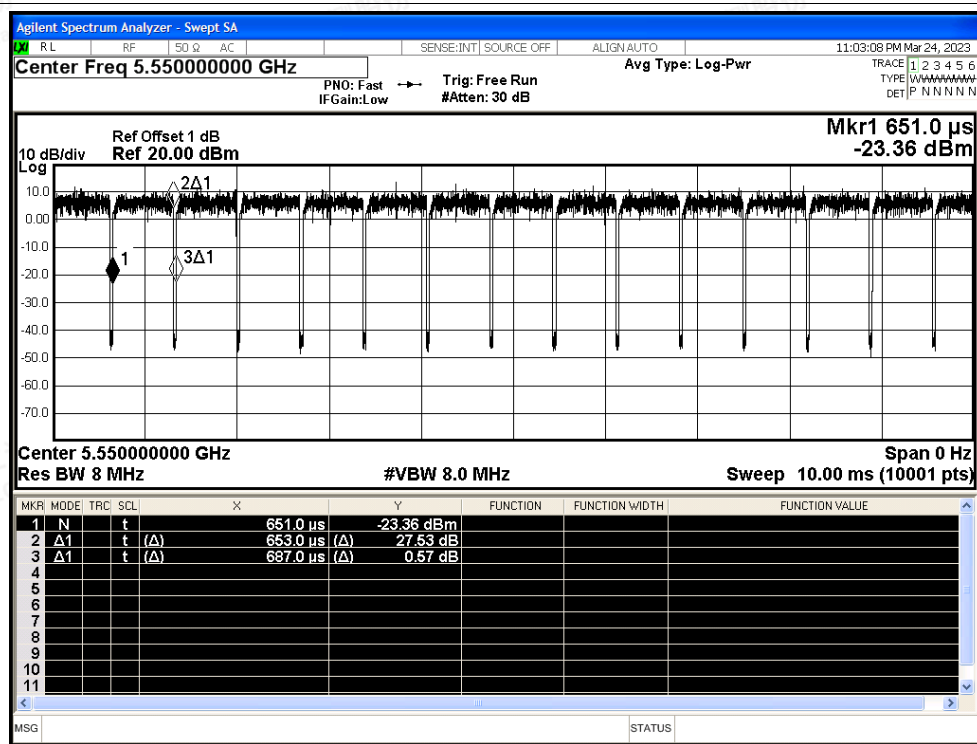




Duty Cycle NVNT ac40 5510MHz Ant0

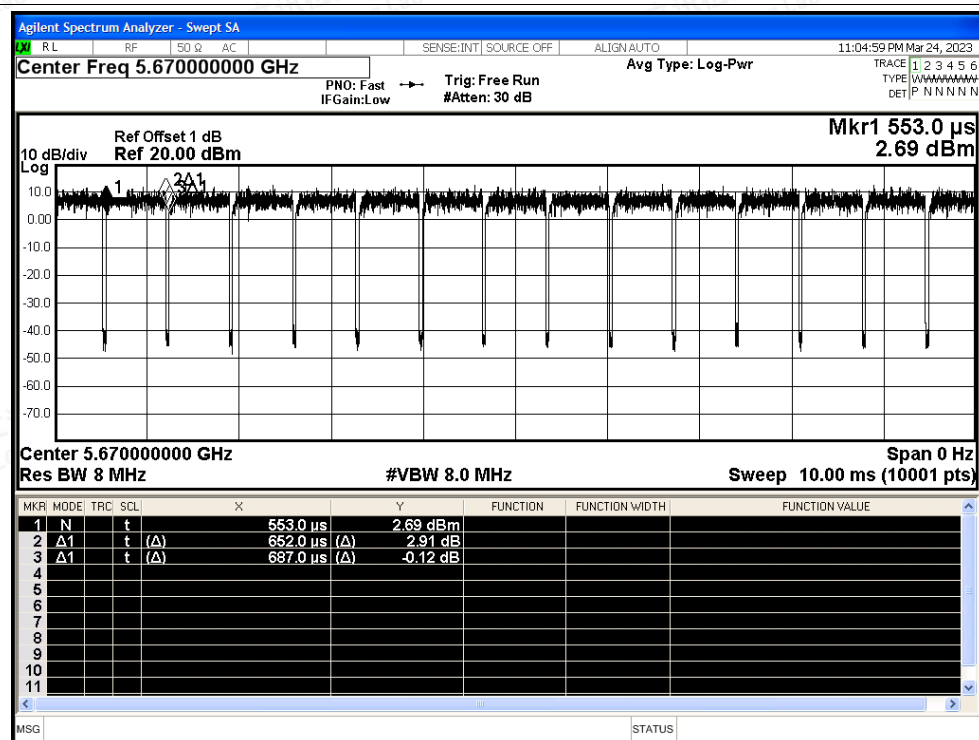


Duty Cycle NVNT ac40 5550MHz Ant0

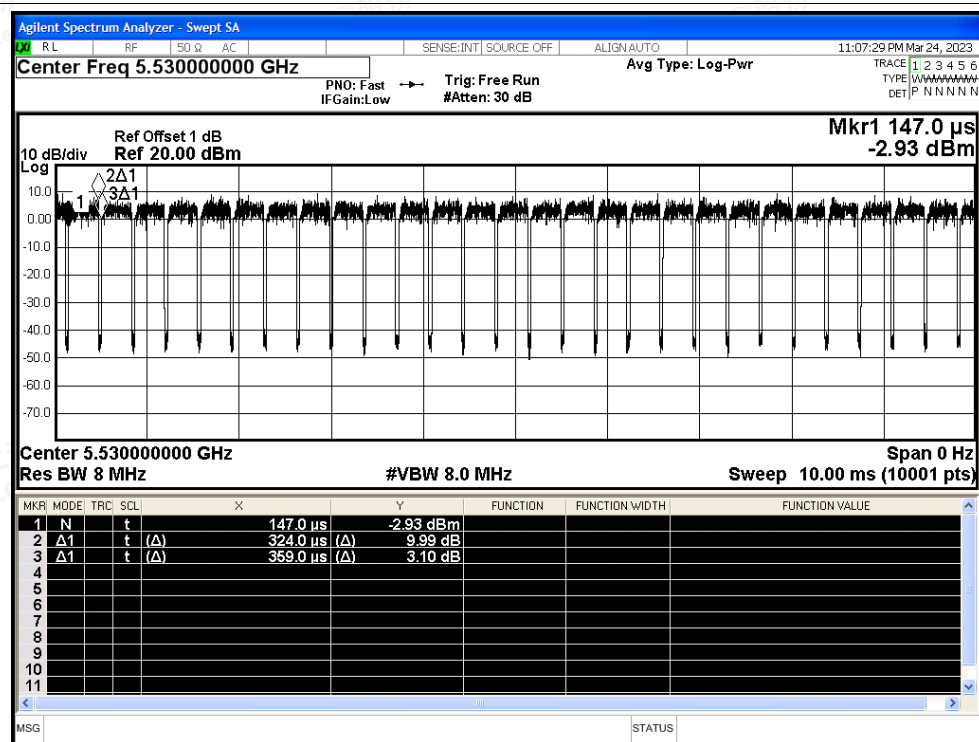


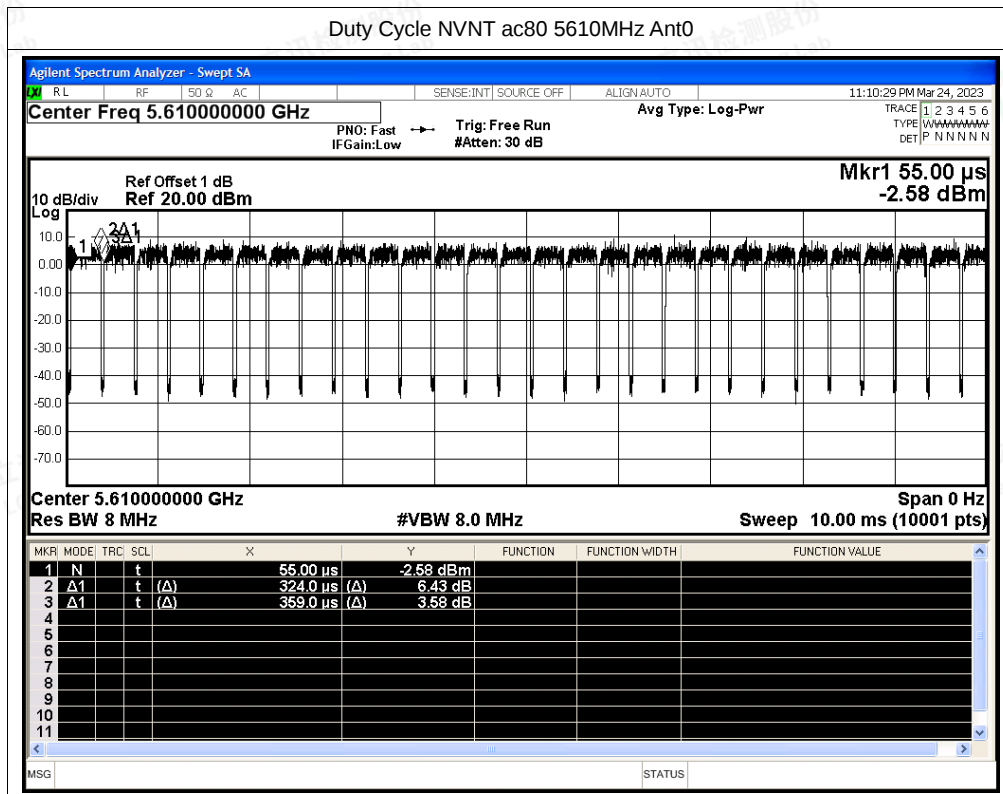


Duty Cycle NVNT ac40 5670MHz Ant0



Duty Cycle NVNT ac80 5530MHz Ant0







Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	97.48	0.11	0.72
NVNT	a	5580	Ant1	97.48	0.11	0.72
NVNT	a	5700	Ant1	97.48	0.11	0.72
NVNT	n20	5500	Ant1	97.31	0.12	0.77
NVNT	n20	5580	Ant1	97.31	0.12	0.77
NVNT	n20	5700	Ant1	97.38	0.12	0.77
NVNT	n40	5510	Ant1	94.88	0.23	1.54
NVNT	n40	5550	Ant1	94.88	0.23	1.54
NVNT	n40	5670	Ant1	94.88	0.23	1.54
NVNT	ac20	5500	Ant1	97.33	0.12	0.76
NVNT	ac20	5580	Ant1	97.4	0.11	0.76
NVNT	ac20	5700	Ant1	97.33	0.12	0.76
NVNT	ac40	5510	Ant1	94.91	0.23	1.53
NVNT	ac40	5550	Ant1	94.91	0.23	1.53
NVNT	ac40	5670	Ant1	94.91	0.23	1.53
NVNT	ac80	5530	Ant1	90.25	0.45	3.09
NVNT	ac80	5610	Ant1	90.53	0.43	3.08

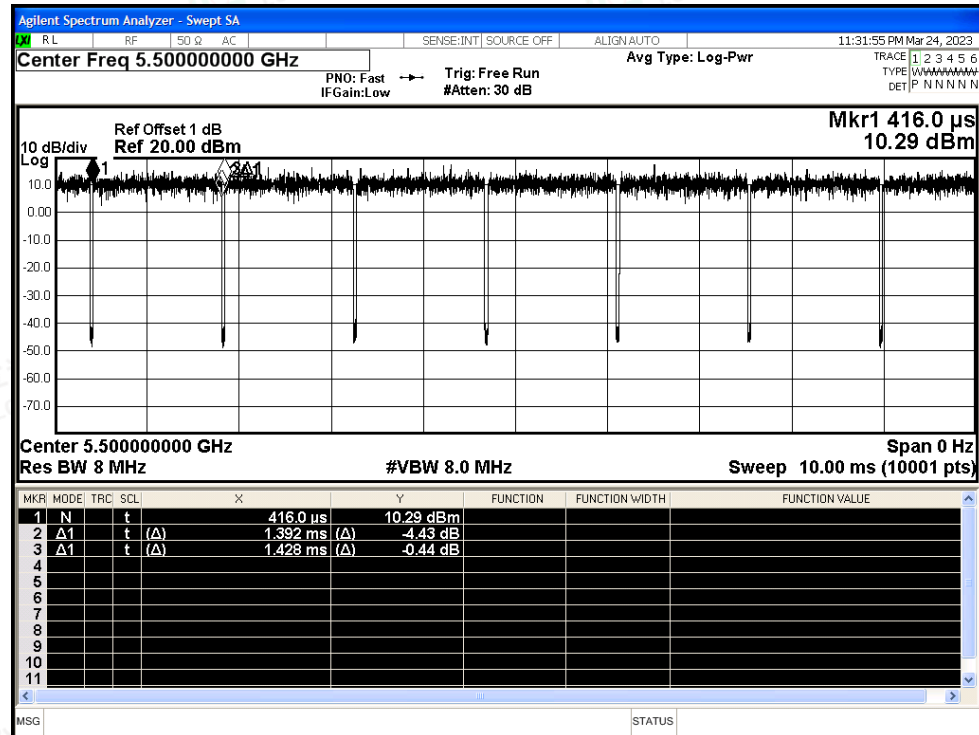


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
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Scan code to check authenticity

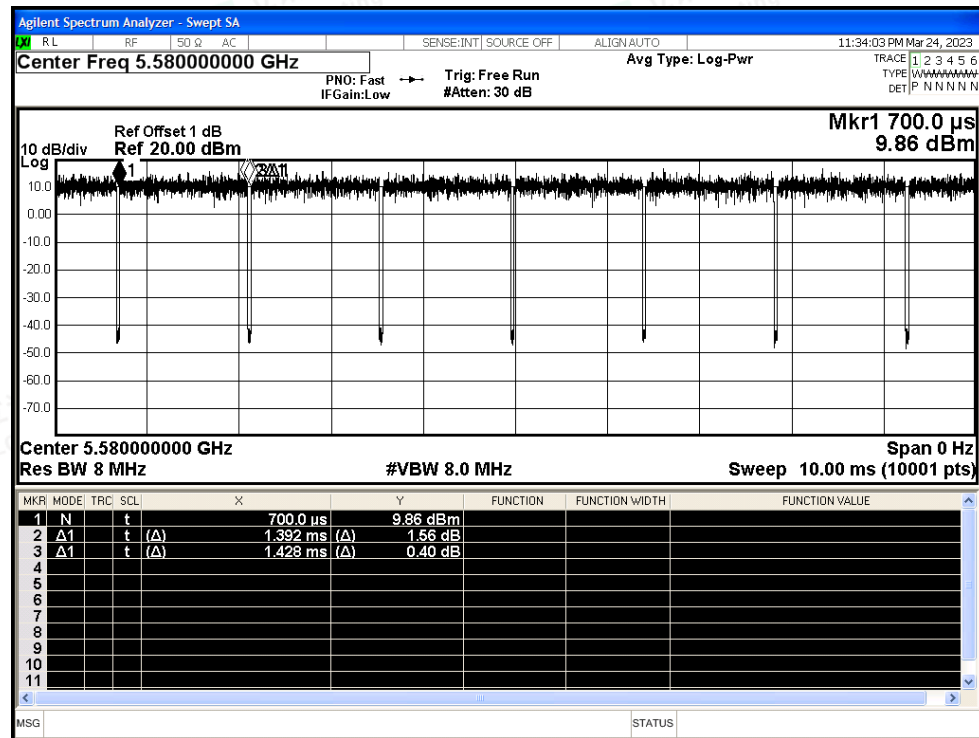


Test Graphs

Duty Cycle NVNT a 5500MHz Ant1

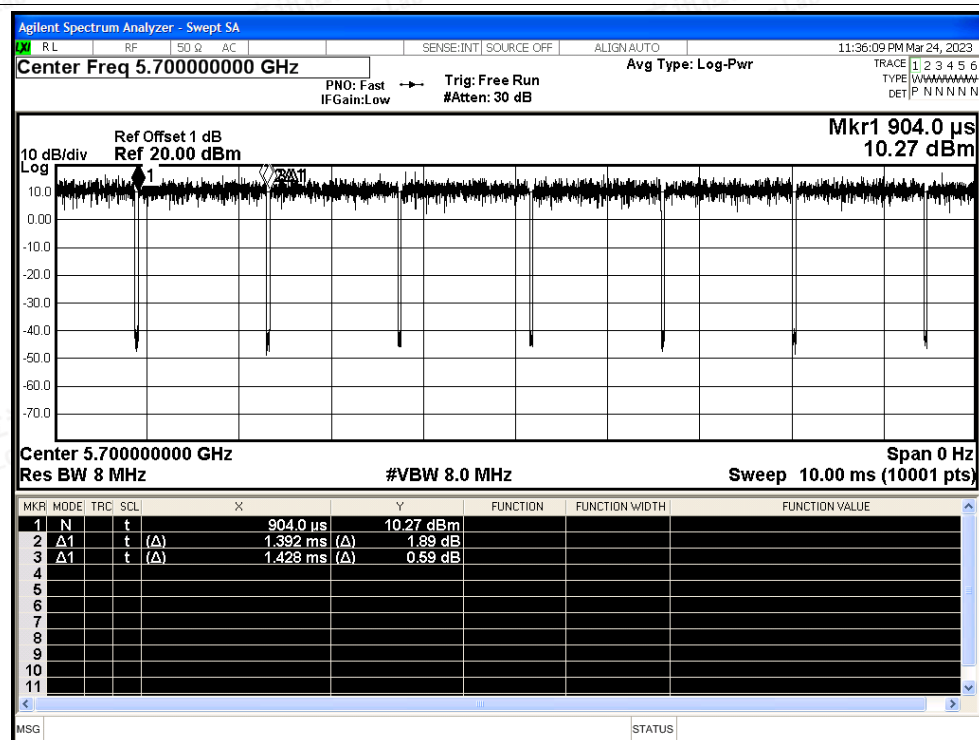


Duty Cycle NVNT a 5580MHz Ant1

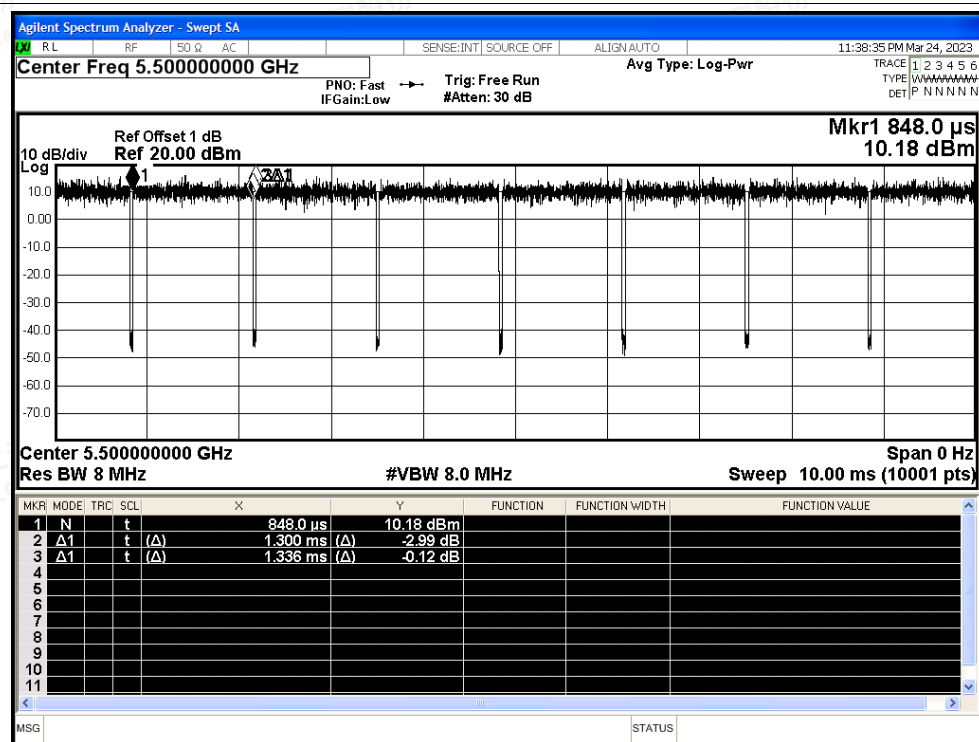




Duty Cycle NVNT a 5700MHz Ant1

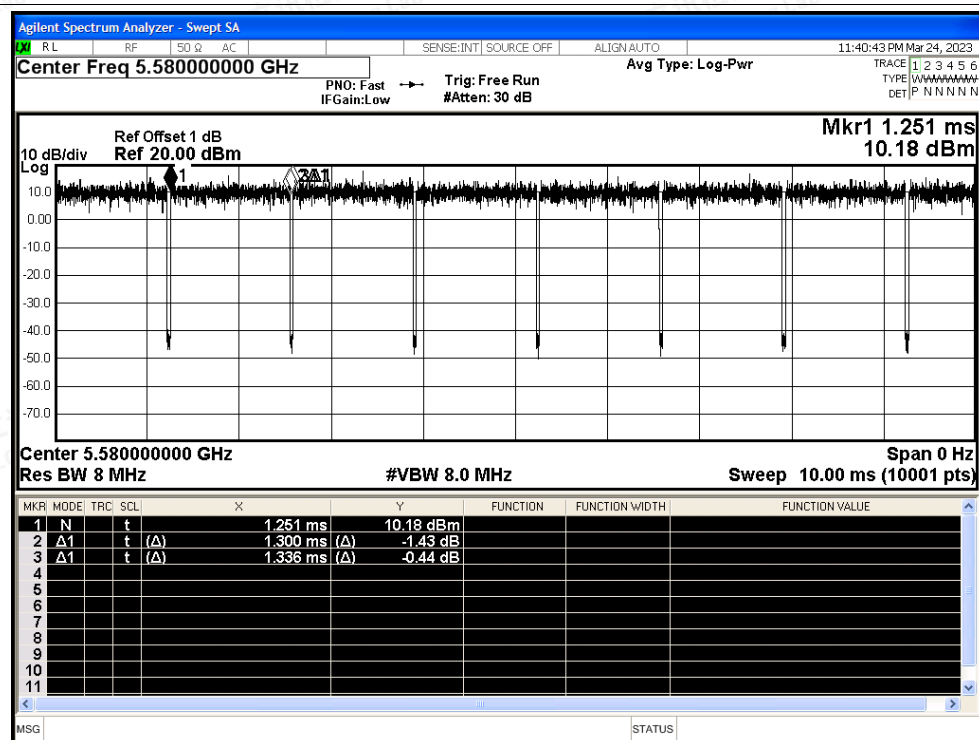


Duty Cycle NVNT n20 5500MHz Ant1

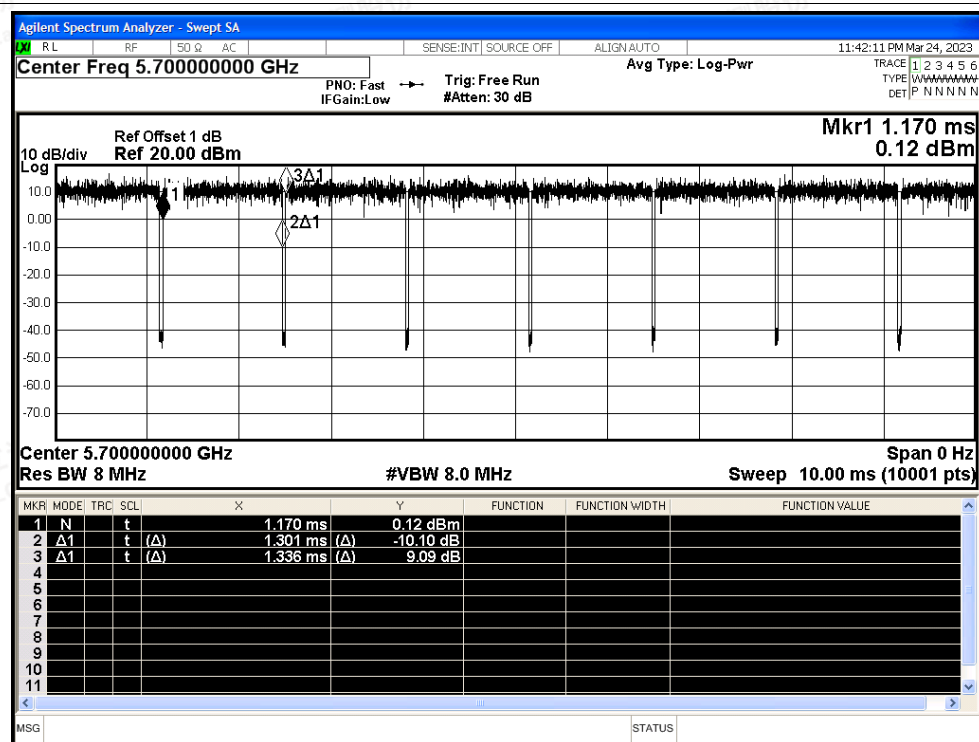




Duty Cycle NVNT n20 5580MHz Ant1

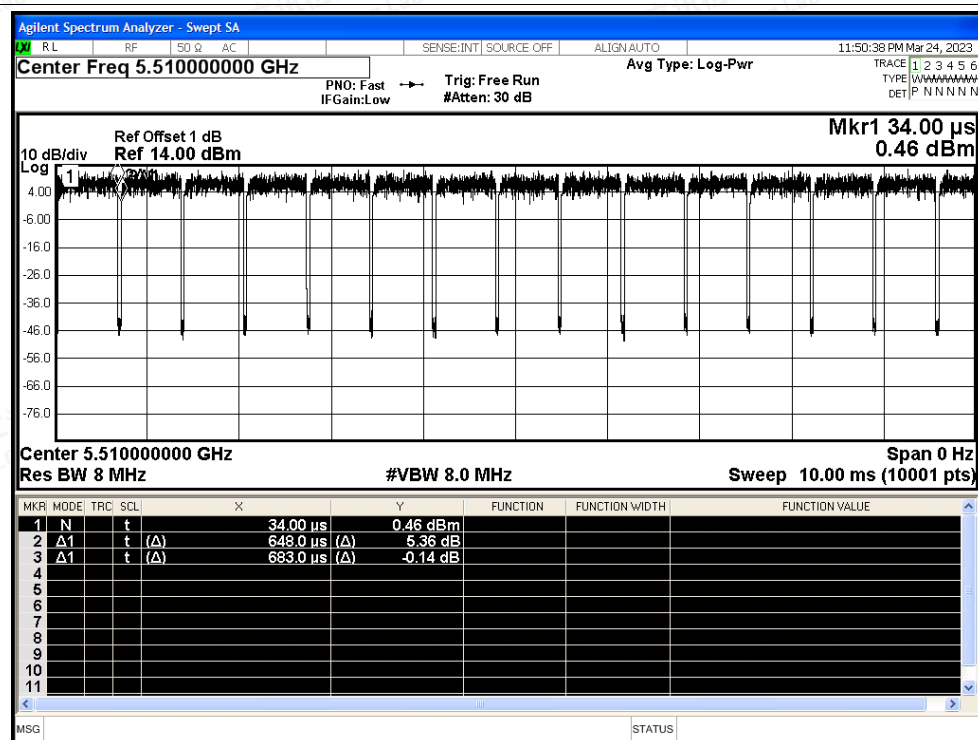


Duty Cycle NVNT n20 5700MHz Ant1

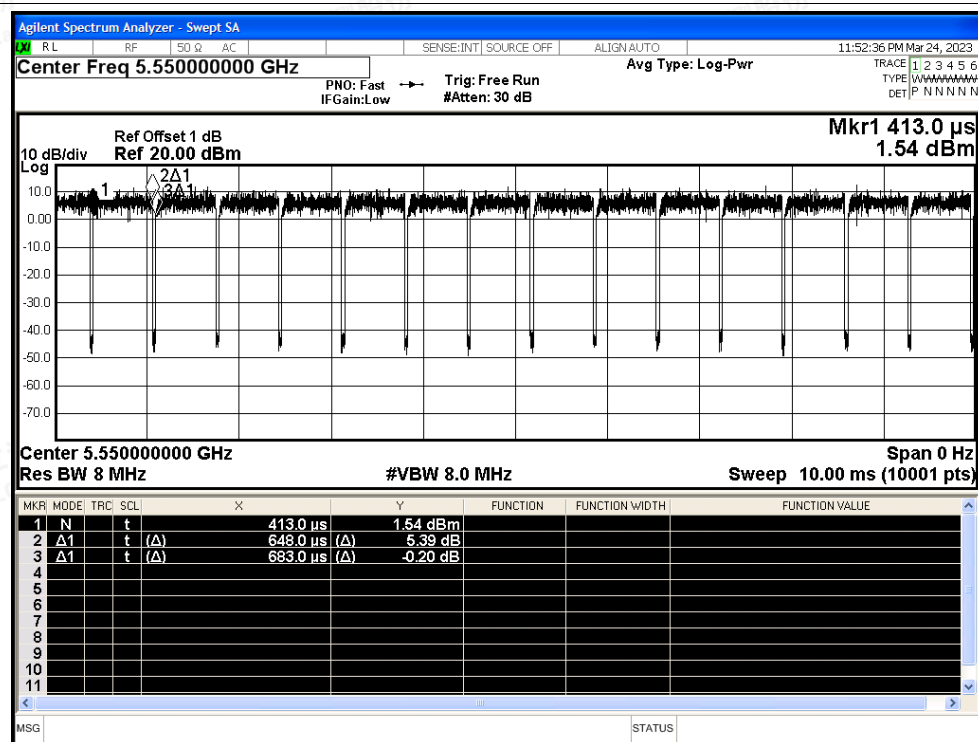




Duty Cycle NVNT n40 5510MHz Ant1

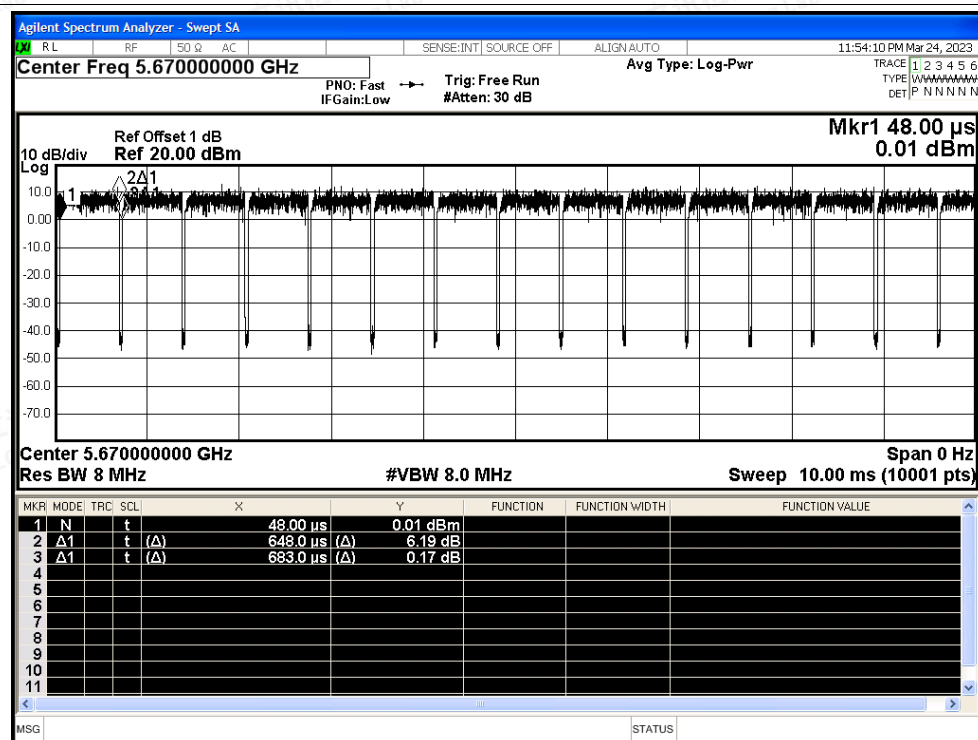


Duty Cycle NVNT n40 5550MHz Ant1

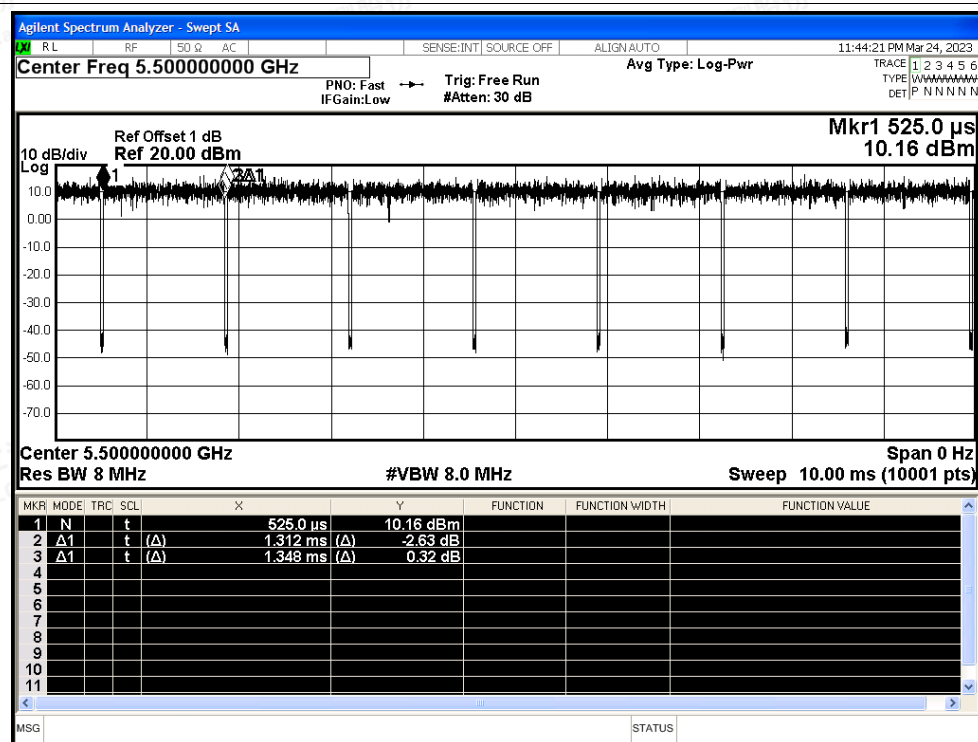




Duty Cycle NVNT n40 5670MHz Ant1

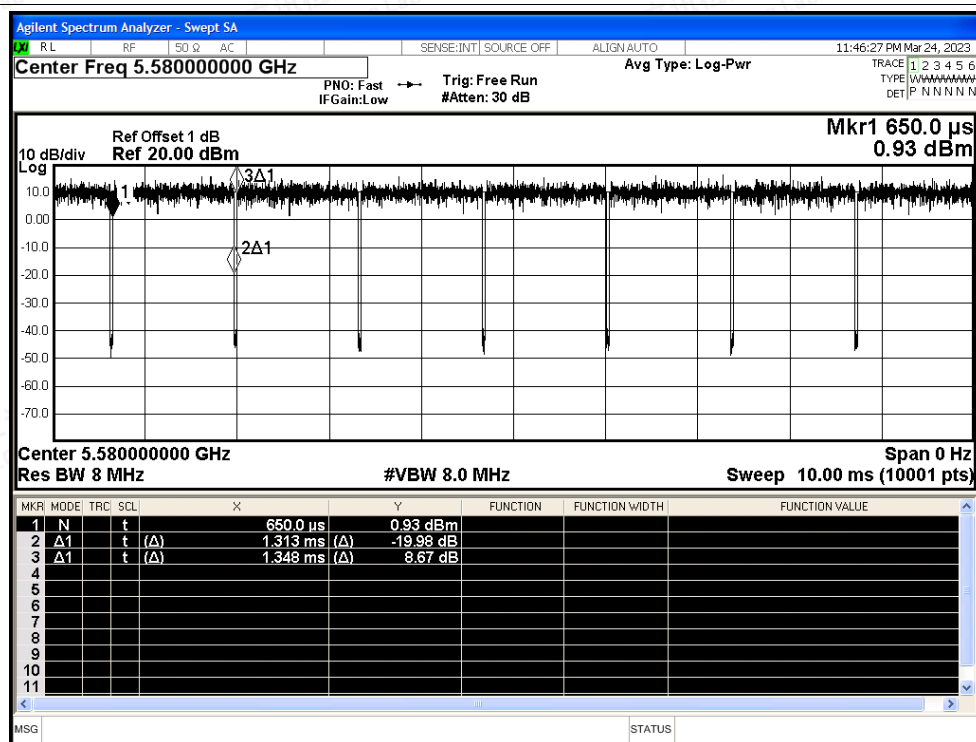


Duty Cycle NVNT ac20 5500MHz Ant1

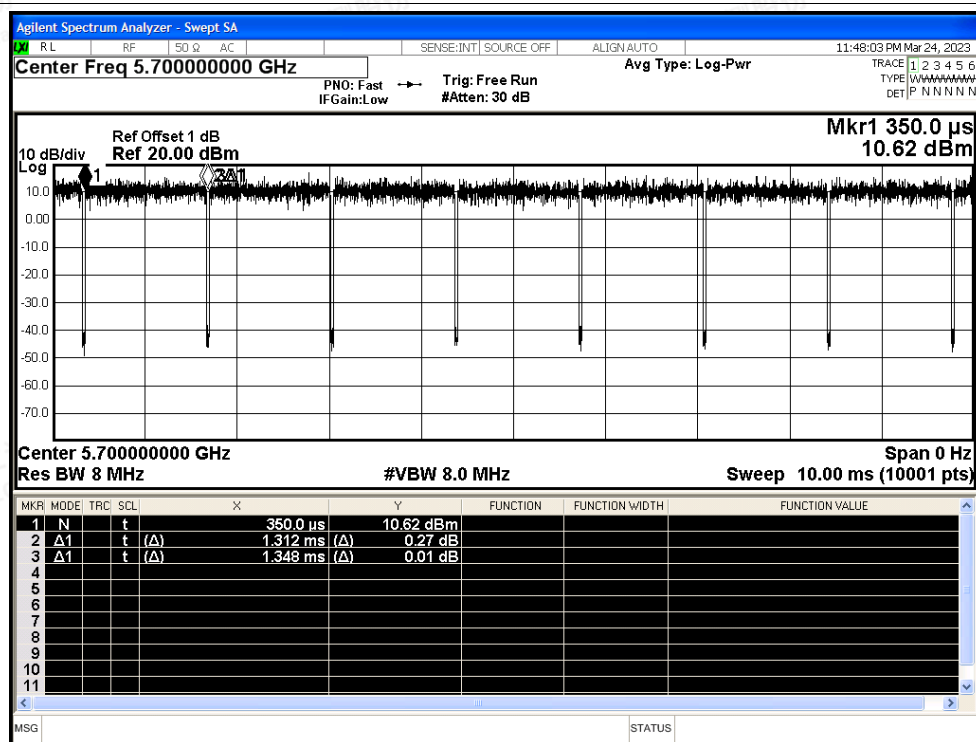




Duty Cycle NVNT ac20 5580MHz Ant1

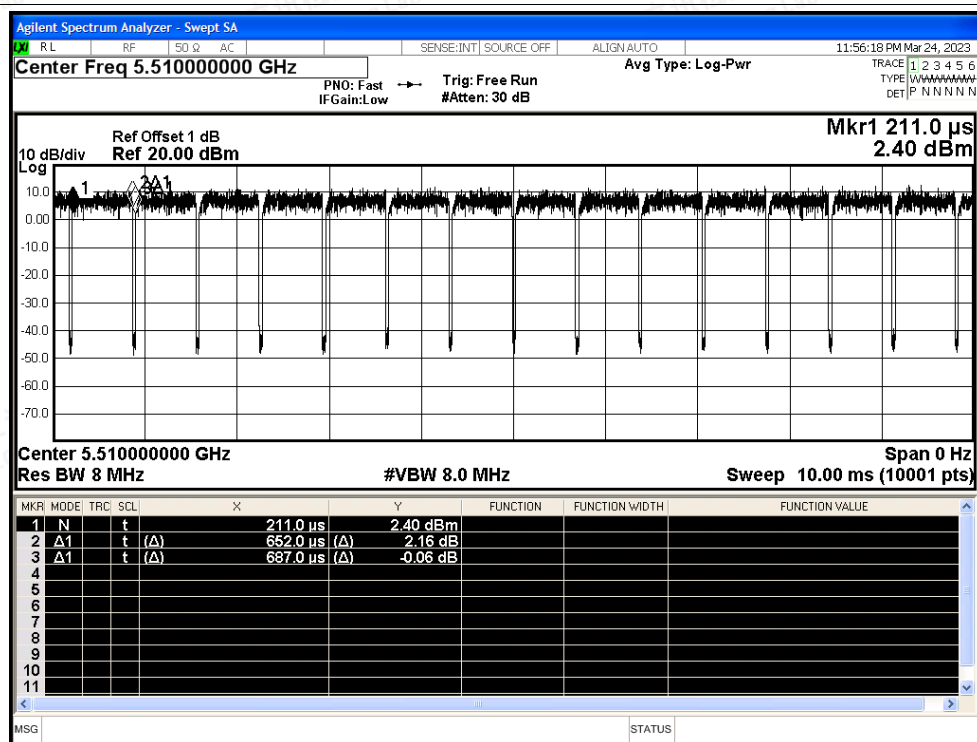


Duty Cycle NVNT ac20 5700MHz Ant1

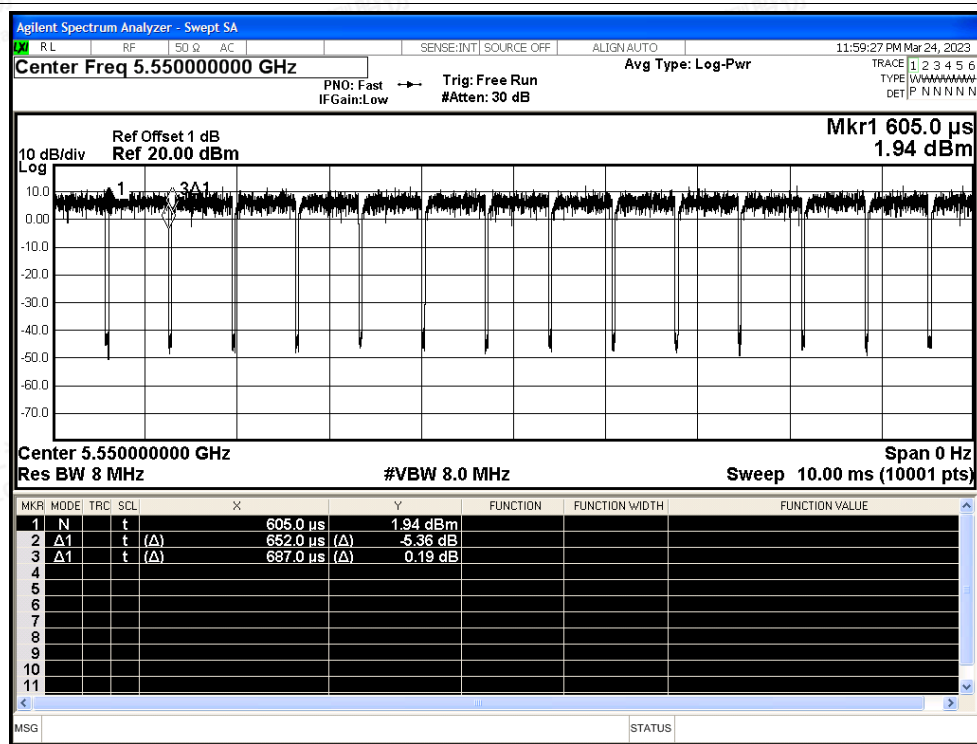




Duty Cycle NVNT ac40 5510MHz Ant1

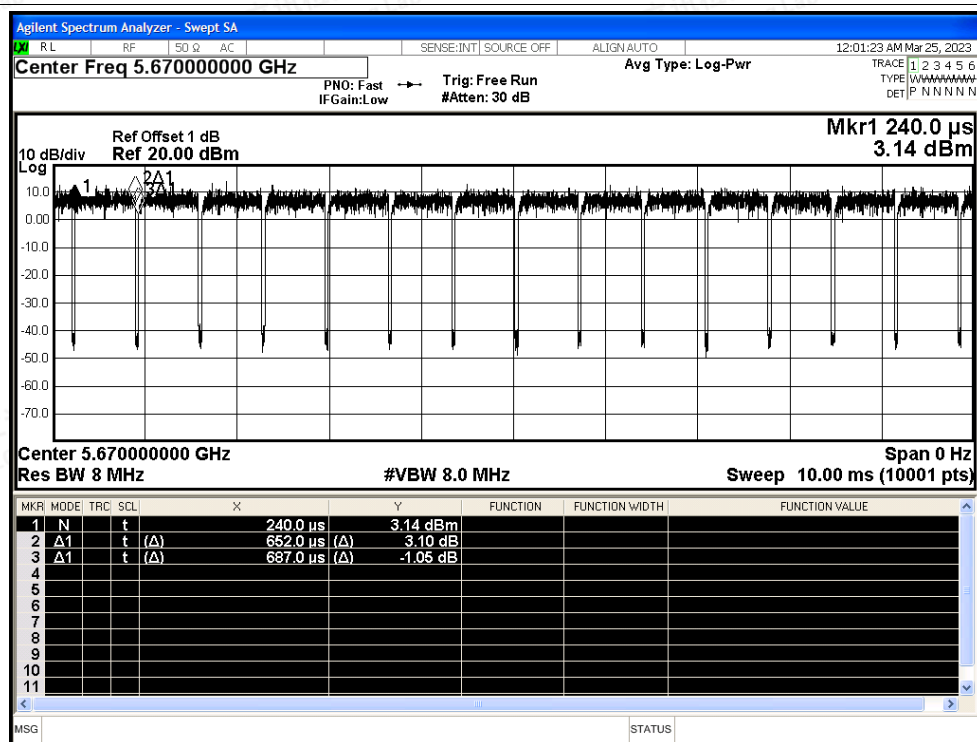


Duty Cycle NVNT ac40 5550MHz Ant1





Duty Cycle NVNT ac40 5670MHz Ant1



Duty Cycle NVNT ac80 5530MHz Ant1

