



Appendix E

RF Test Data for 5.5GWIFI (Conducted Measurement)

Product Name: O Sitter

Test Model: CT-CMWOS

Environmental Conditions

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



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E.1 -26dB Bandwidth

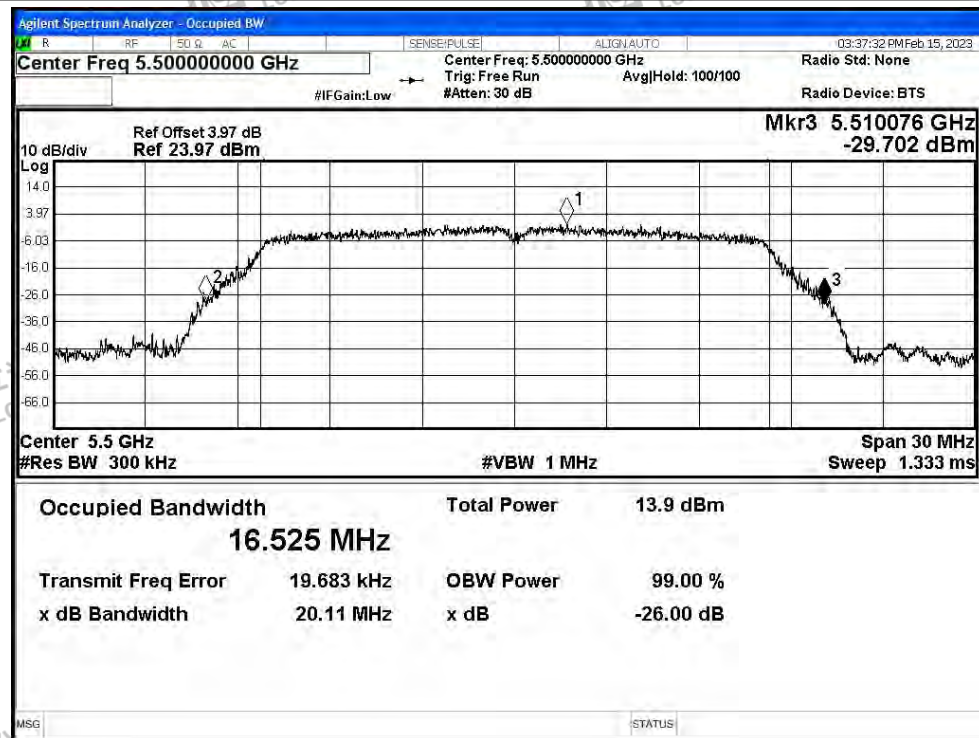
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	20.113	≥ 0.5	Pass
NVNT	a	5580	Ant1	19.989	≥ 0.5	Pass
NVNT	a	5700	Ant1	19.97	≥ 0.5	Pass
NVNT	n20	5500	Ant1	20.398	≥ 0.5	Pass
NVNT	n20	5580	Ant1	20.383	≥ 0.5	Pass
NVNT	n20	5700	Ant1	20.218	≥ 0.5	Pass
NVNT	n40	5510	Ant1	39.437	≥ 0.5	Pass
NVNT	n40	5550	Ant1	39.719	≥ 0.5	Pass
NVNT	n40	5670	Ant1	39.892	≥ 0.5	Pass



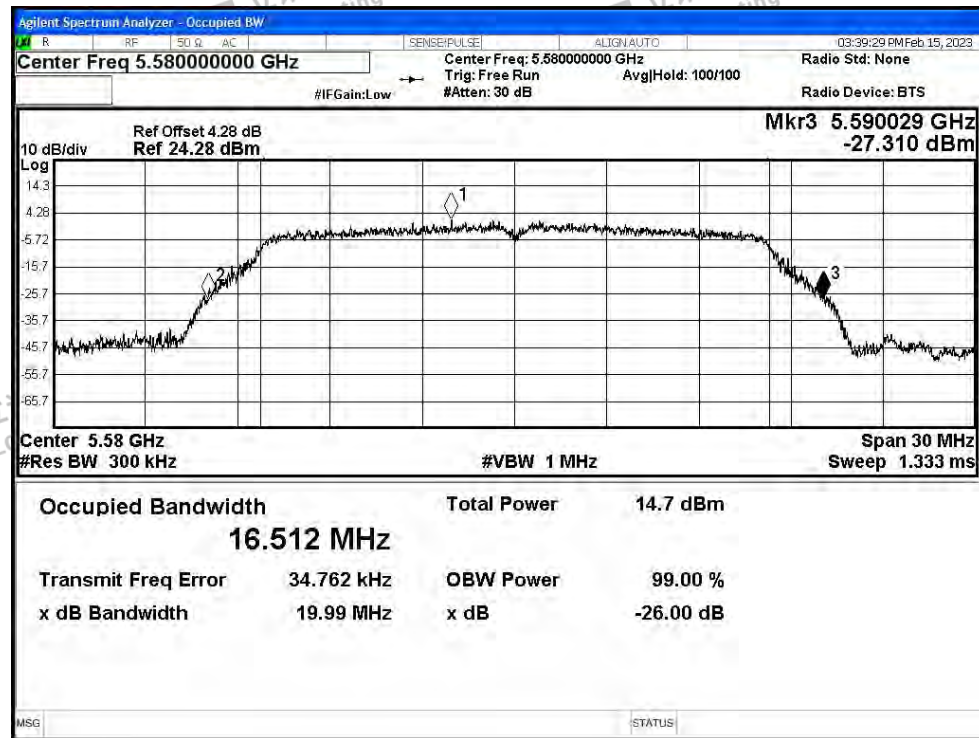


Test Graphs

-26dB Bandwidth NVNT a 5500MHz Ant1



-26dB Bandwidth NVNT a 5580MHz Ant1



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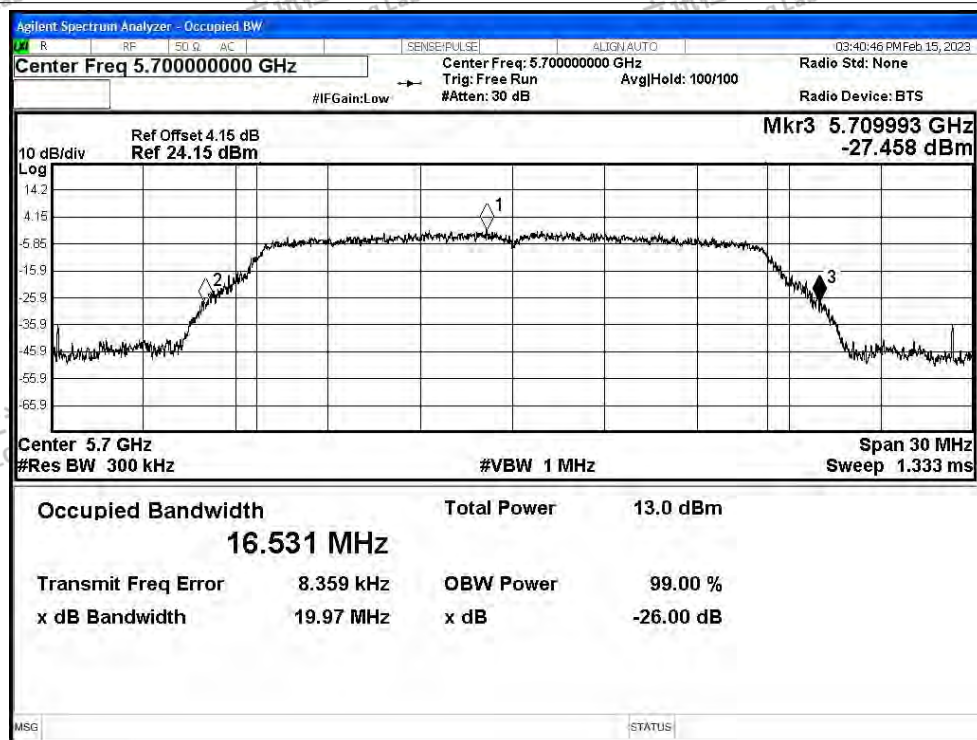
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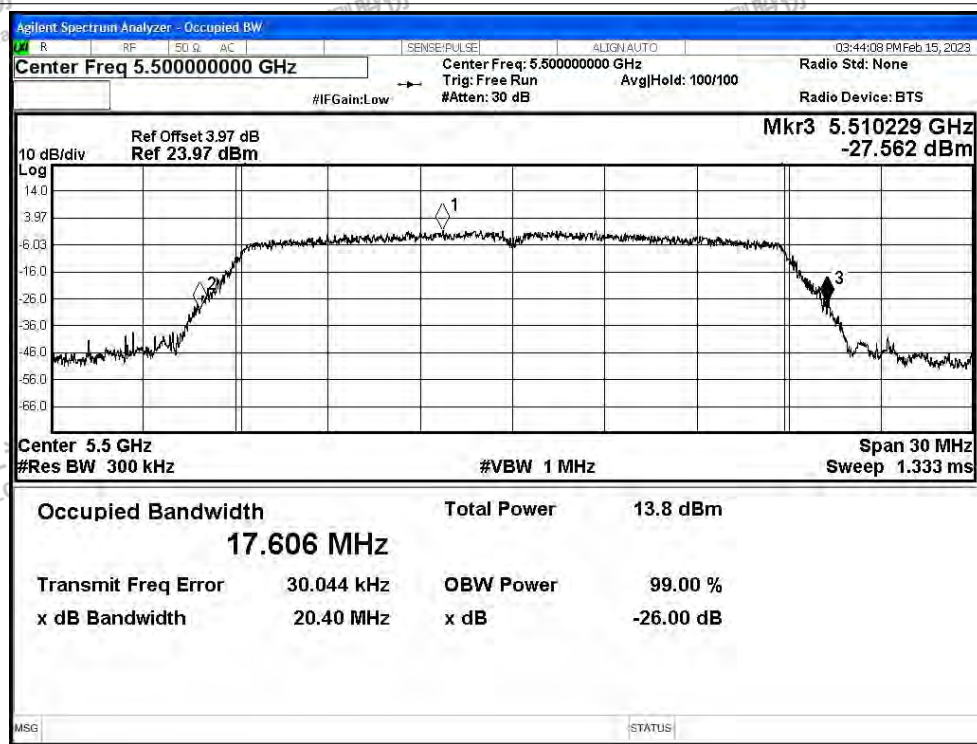
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-26dB Bandwidth NVNT a 5700MHz Ant1



-26dB Bandwidth NVNT n20 5500MHz Ant1



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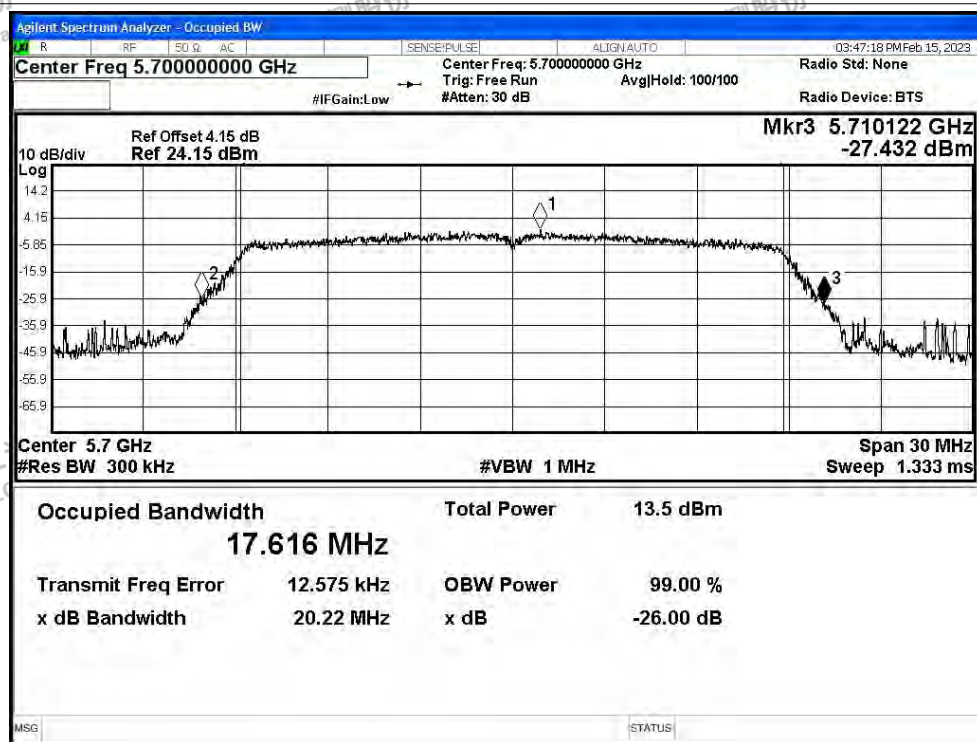
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-26dB Bandwidth NVNT n20 5580MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1



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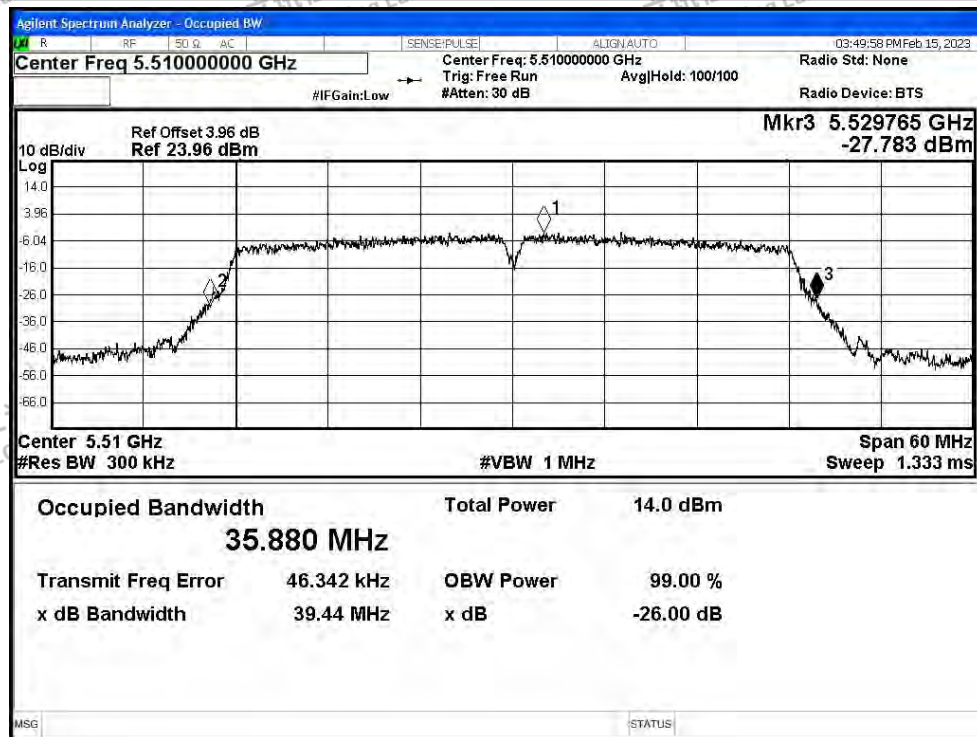
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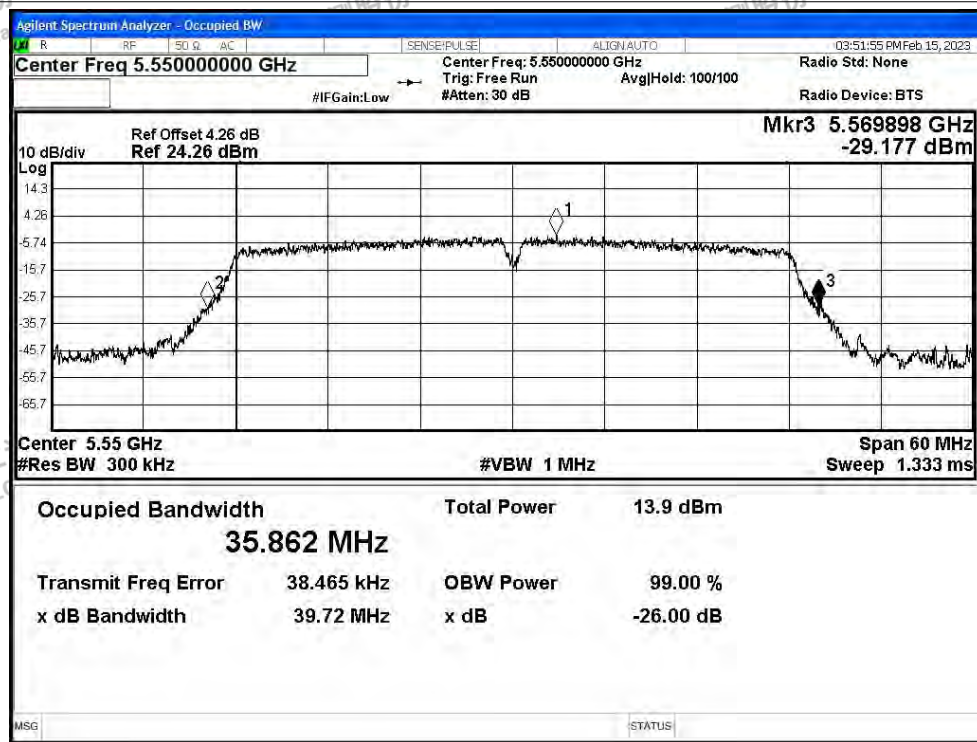
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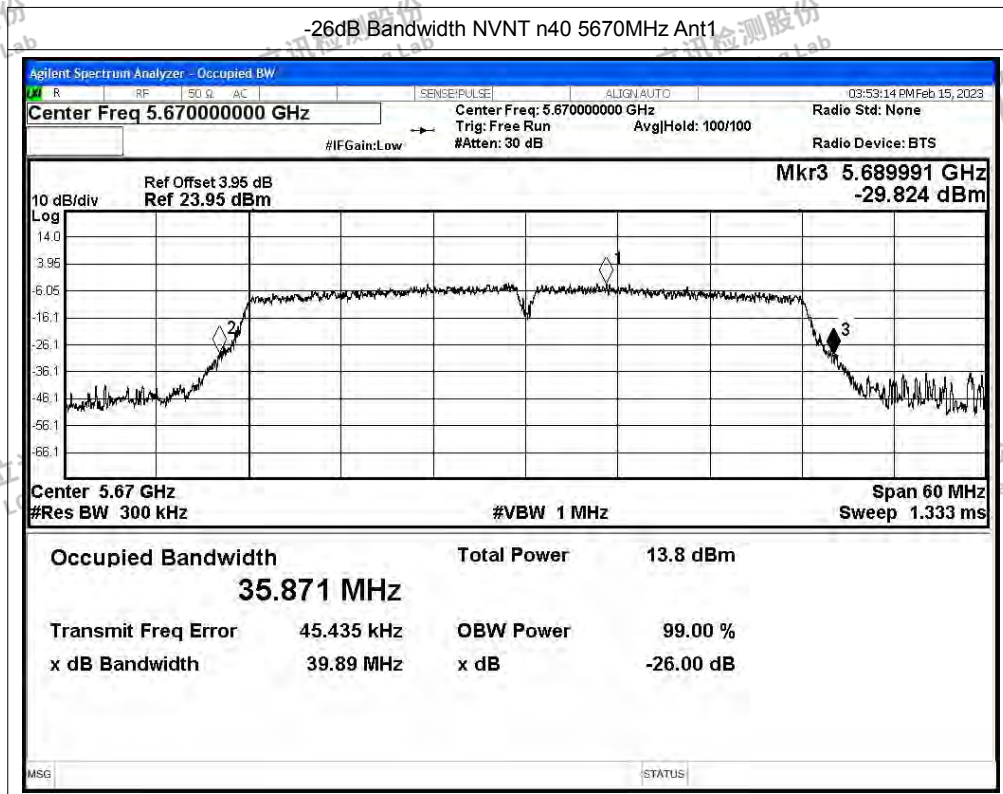


-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5550MHz 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	5500	Ant1	8.25	0.13	8.38	24	Pass
NVNT	a	5580	Ant1	8.04	0.13	8.17	24	Pass
NVNT	a	5700	Ant1	7.9	0.13	8.03	24	Pass
NVNT	n20	5500	Ant1	8.09	0.14	8.23	24	Pass
NVNT	n20	5580	Ant1	7.88	0.14	8.02	24	Pass
NVNT	n20	5700	Ant1	7.8	0.14	7.94	24	Pass
NVNT	n40	5510	Ant1	7.96	0.27	8.23	24	Pass
NVNT	n40	5550	Ant1	8.04	0.29	8.33	24	Pass
NVNT	n40	5670	Ant1	7.84	0.29	8.13	24	Pass





E.3 Maximum Power Spectral Density Level

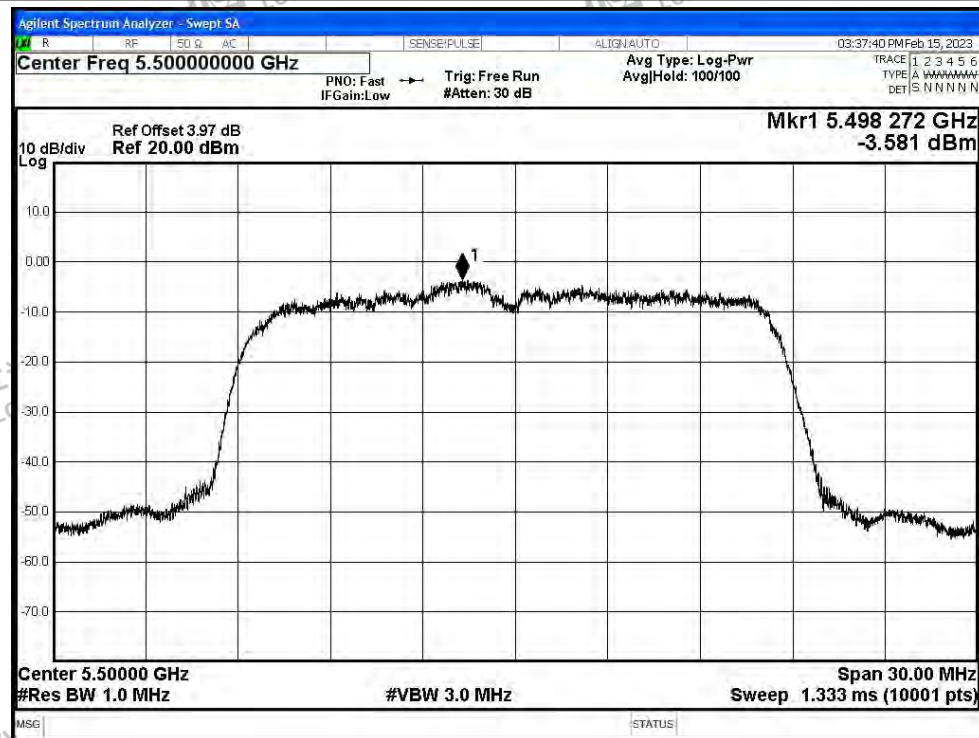
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-3.58	0.13	-3.45	11	Pass
NVNT	a	5580	Ant1	-3.73	0.13	-3.6	11	Pass
NVNT	a	5700	Ant1	-3.66	0.13	-3.53	11	Pass
NVNT	n20	5500	Ant1	-4.24	0.14	-4.1	11	Pass
NVNT	n20	5580	Ant1	-4.55	0.14	-4.41	11	Pass
NVNT	n20	5700	Ant1	-4.34	0.14	-4.2	11	Pass
NVNT	n40	5510	Ant1	-7.84	0.27	-7.57	11	Pass
NVNT	n40	5550	Ant1	-8.93	0.29	-8.64	11	Pass
NVNT	n40	5670	Ant1	-8.91	0.29	-8.62	11	Pass



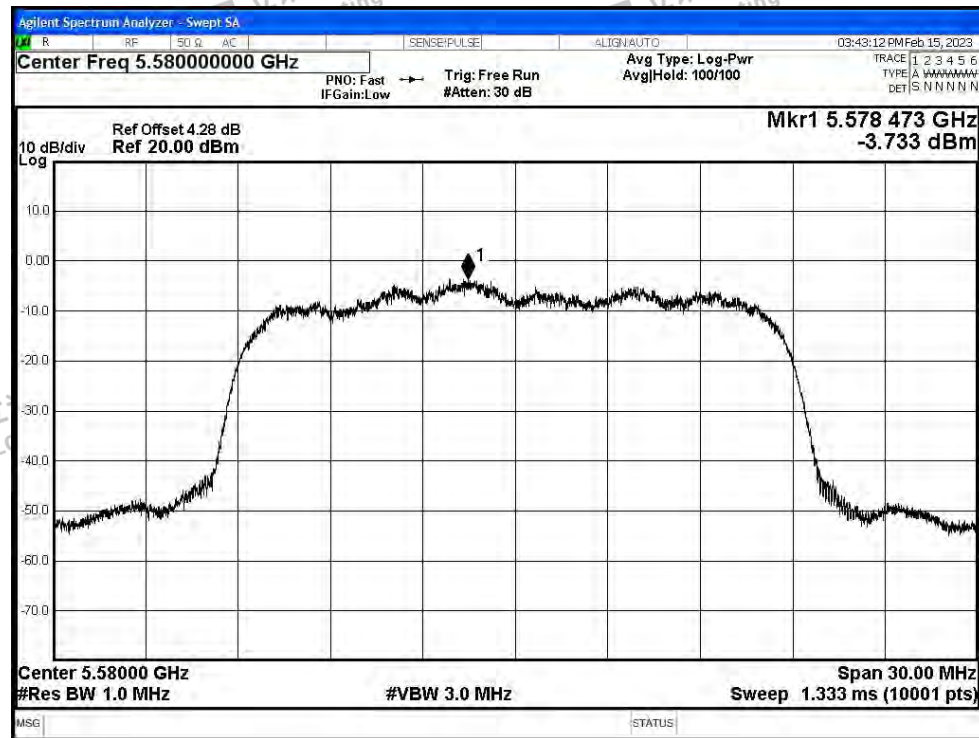


Test Graphs

PSD NVNT a 5500MHz Ant1

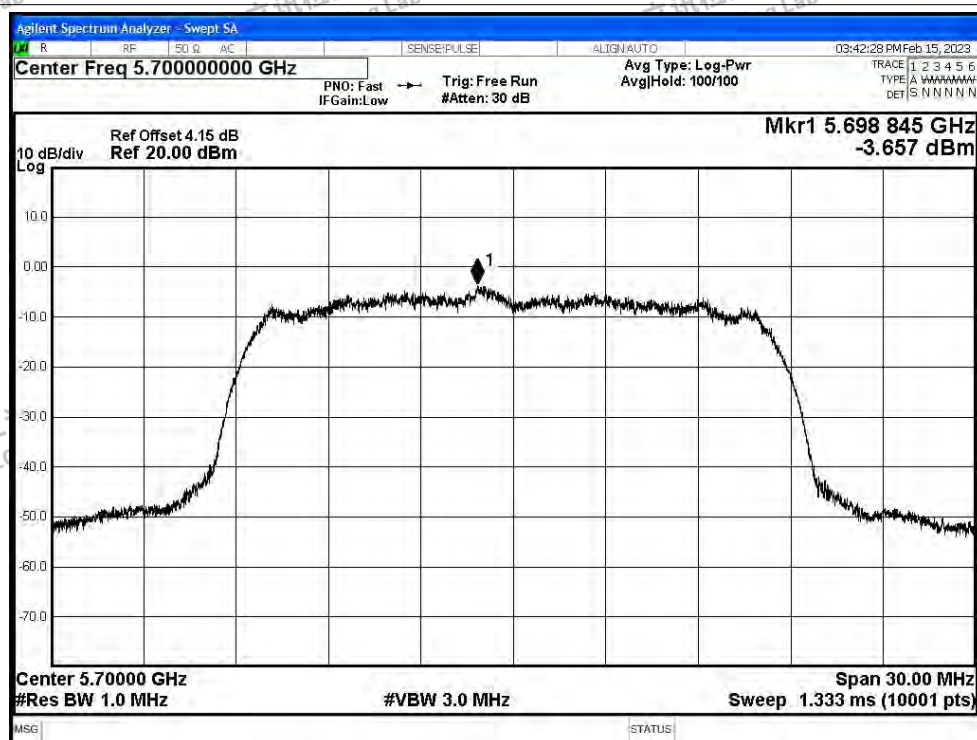


PSD NVNT a 5580MHz Ant1

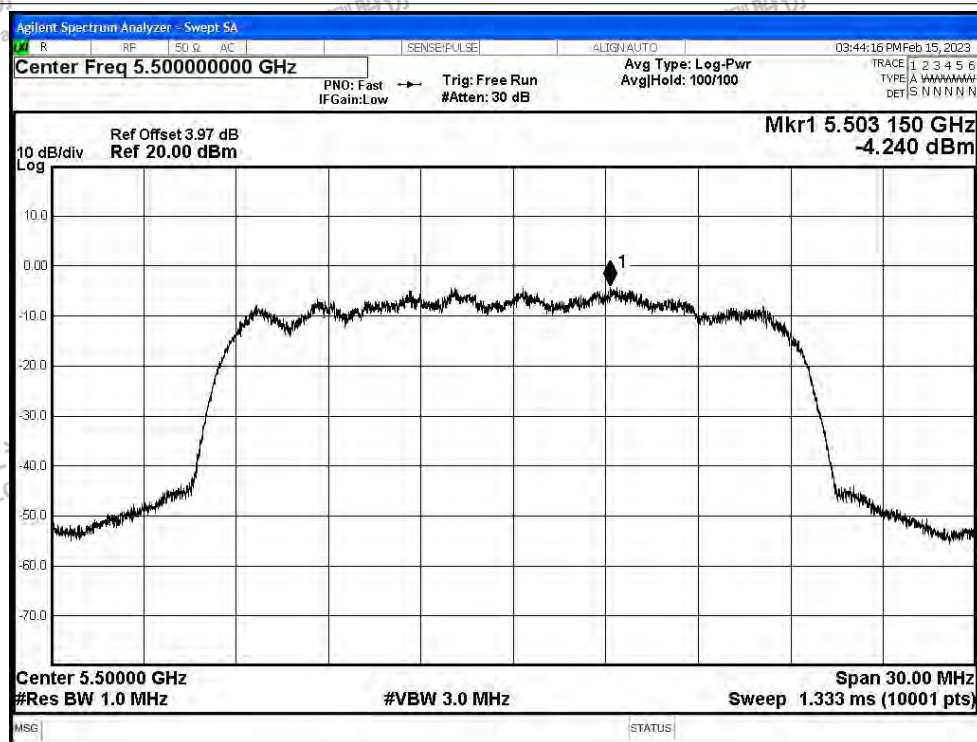




PSD NVNT a 5700MHz Ant1

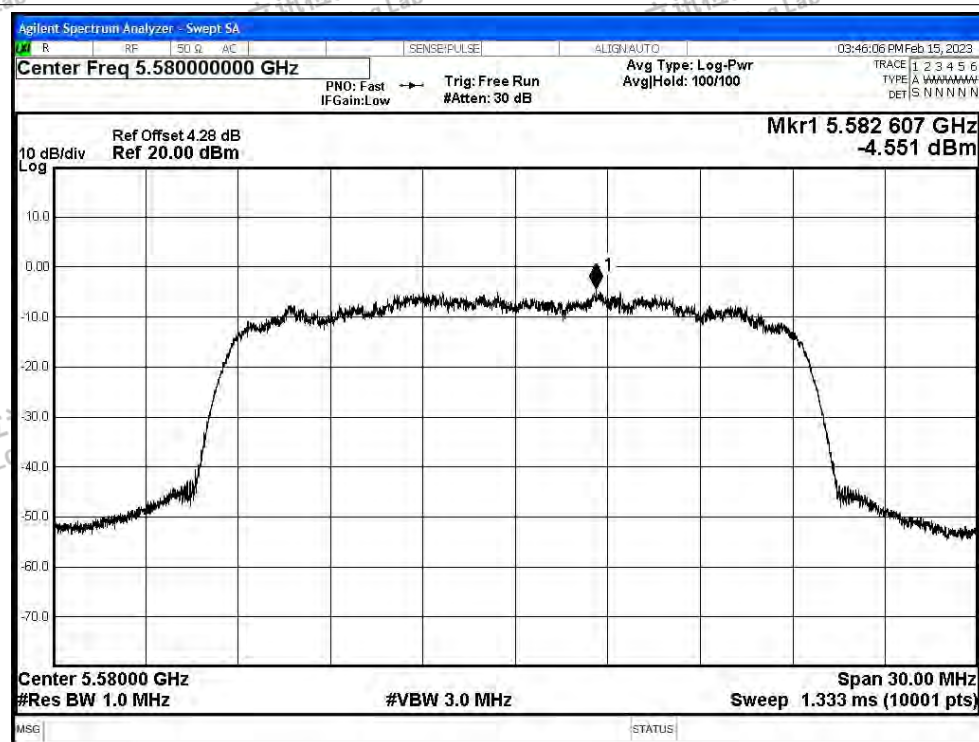


PSD NVNT n20 5500MHz Ant1

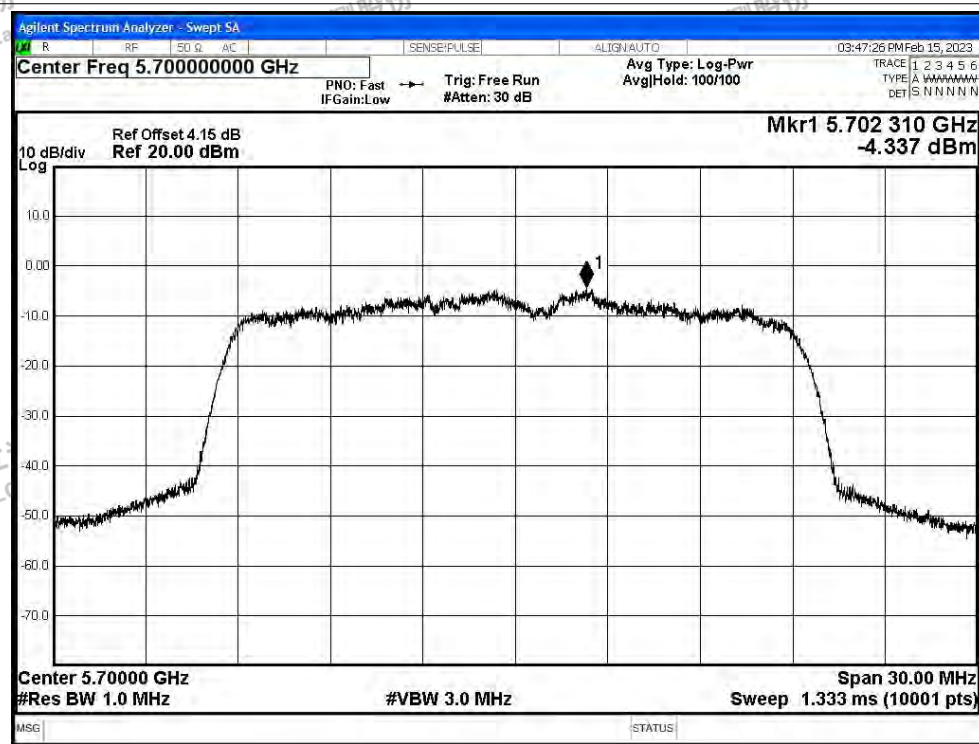




PSD NVNT n20 5580MHz Ant1

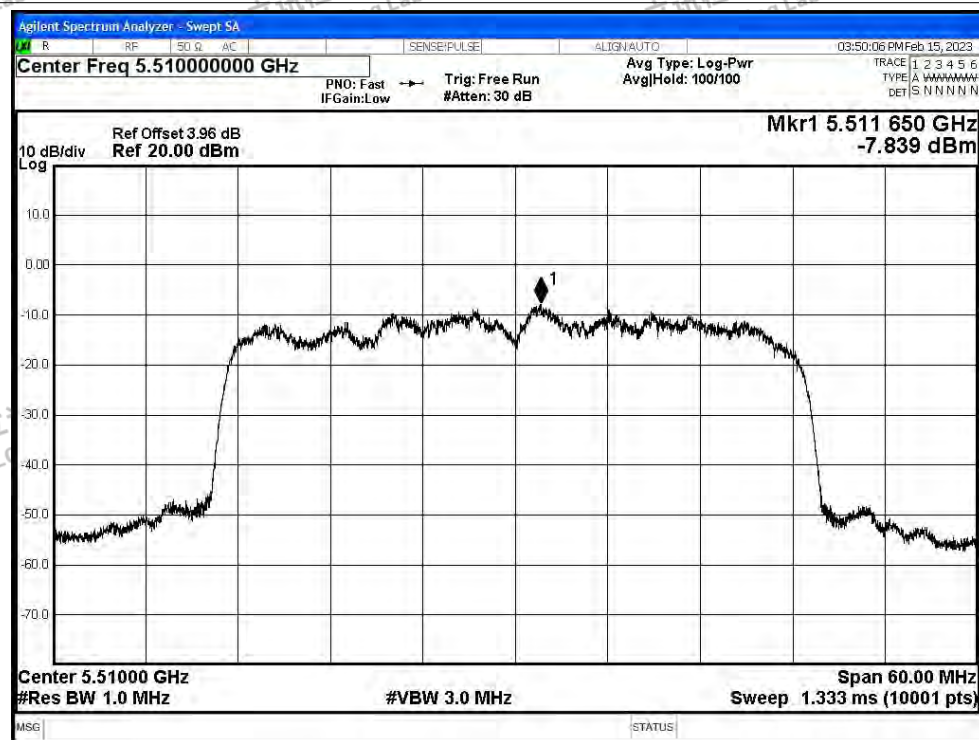


PSD NVNT n20 5700MHz Ant1

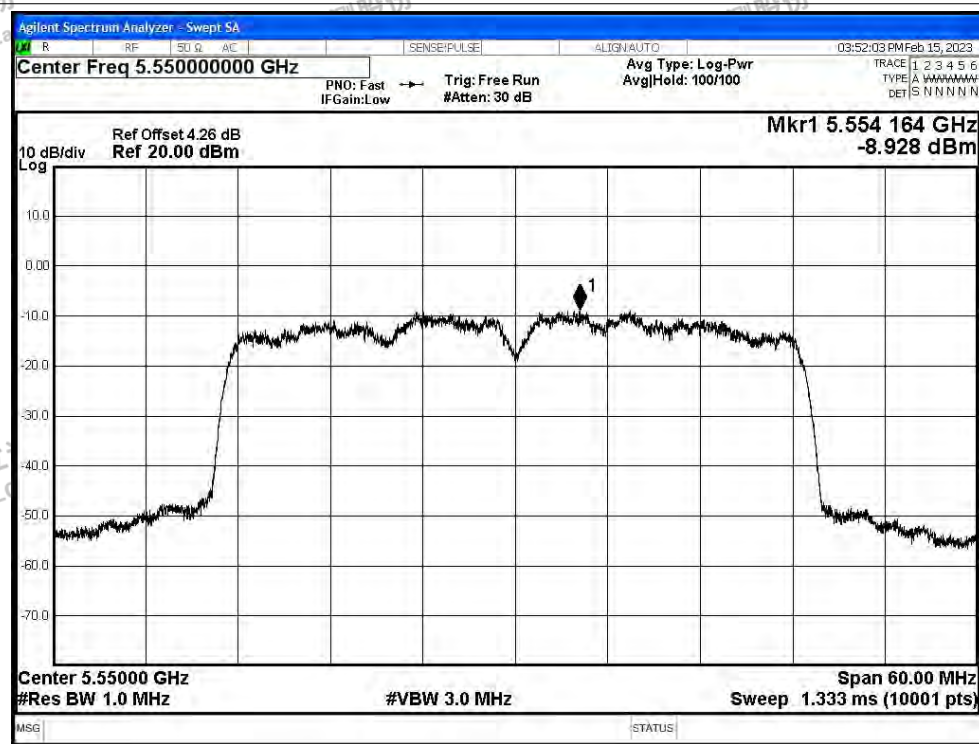


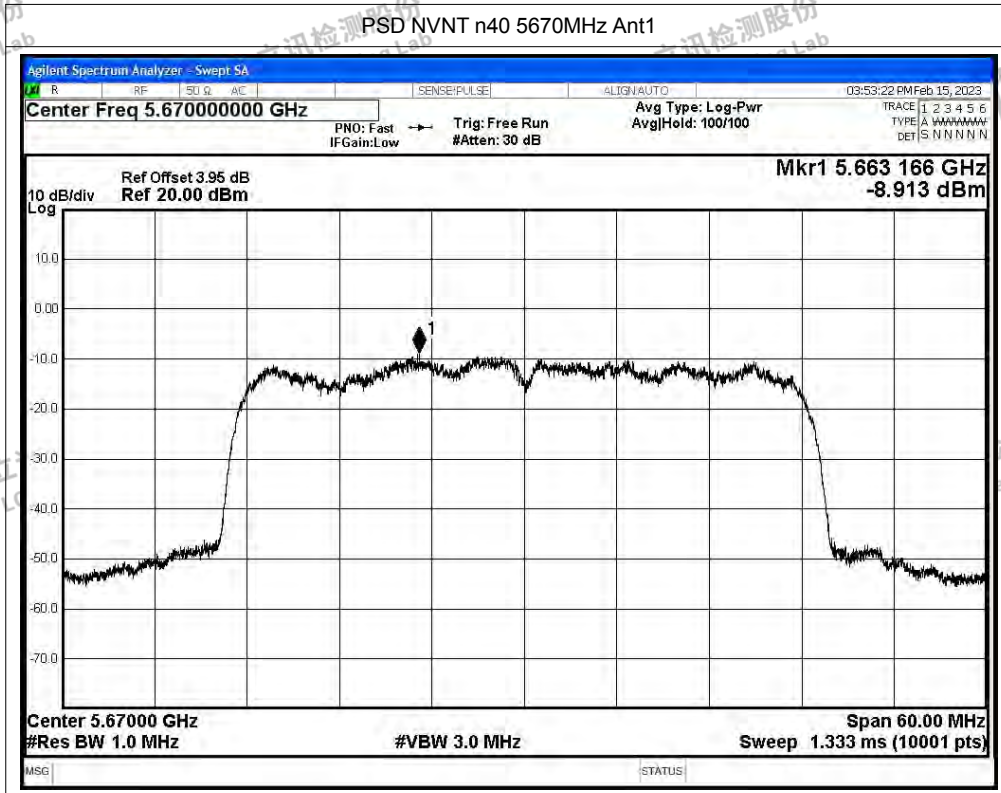


PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5550MHz Ant1







E.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5500	Ant1	5460	-48.19	4.62	51.69	Peak	68.2	Pass
NVNT	a	5500	Ant1	5460	-57.13	4.62	42.75	Average	54	Pass
NVNT	a	5500	Ant1	5463.2	-45.89	4.62	53.99	Peak	68.2	Pass
NVNT	a	5500	Ant1	5469.6	-56.72	4.62	43.16	Average	54	Pass
NVNT	a	5500	Ant1	5470	-48.41	4.62	51.47	Peak	68.2	Pass
NVNT	a	5500	Ant1	5470	-56.89	4.62	42.99	Average	54	Pass
NVNT	a	5700	Ant1	5725	-44.91	4.62	54.97	Peak	68.2	Pass
NVNT	a	5700	Ant1	5725	-56.02	4.62	43.86	Average	54	Pass
NVNT	a	5700	Ant1	5726.8	-44.79	4.62	55.09	Peak	68.2	Pass
NVNT	a	5700	Ant1	5735	-47.37	4.62	52.51	Peak	68.2	Pass
NVNT	a	5700	Ant1	5735	-56.85	4.62	43.03	Average	54	Pass
NVNT	n20	5500	Ant1	5460	-47.61	4.62	52.27	Peak	68.2	Pass
NVNT	n20	5500	Ant1	5460	-57.04	4.62	42.84	Average	54	Pass
NVNT	n20	5500	Ant1	5464	-43.57	4.62	56.31	Peak	68.2	Pass
NVNT	n20	5500	Ant1	5470	-56.57	4.62	43.31	Average	54	Pass
NVNT	n20	5500	Ant1	5470	-44.32	4.62	55.56	Peak	68.2	Pass
NVNT	n20	5700	Ant1	5725	-46.95	4.62	52.93	Peak	68.2	Pass
NVNT	n20	5700	Ant1	5725	-55.55	4.62	44.33	Average	54	Pass
NVNT	n20	5700	Ant1	5727.2	-37.46	4.62	62.42	Peak	68.2	Pass
NVNT	n20	5700	Ant1	5735	-46.79	4.62	53.09	Peak	68.2	Pass
NVNT	n20	5700	Ant1	5735	-56.75	4.62	43.13	Average	54	Pass
NVNT	n40	5510	Ant1	5460	-48.28	4.62	51.60	Peak	68.2	Pass
NVNT	n40	5510	Ant1	5460	-56.65	4.62	43.23	Average	54	Pass
NVNT	n40	5510	Ant1	5467.6	-43.16	4.62	56.72	Peak	68.2	Pass
NVNT	n40	5510	Ant1	5468.8	-55.87	4.62	44.01	Average	54	Pass
NVNT	n40	5510	Ant1	5470	-45.78	4.62	54.10	Peak	68.2	Pass
NVNT	n40	5510	Ant1	5470	-55.97	4.62	43.91	Average	54	Pass
NVNT	n40	5670	Ant1	5725	-46.16	4.62	53.72	Peak	68.2	Pass
NVNT	n40	5670	Ant1	5725	-56.33	4.62	43.55	Average	54	Pass
NVNT	n40	5670	Ant1	5726.6	-38.33	4.62	61.55	Peak	68.2	Pass
NVNT	n40	5670	Ant1	5729	-56.25	4.62	43.63	Average	54	Pass
NVNT	n40	5670	Ant1	5735	-48.52	4.62	51.36	Peak	68.2	Pass
NVNT	n40	5670	Ant1	5735	-56.74	4.62	43.14	Average	54	Pass

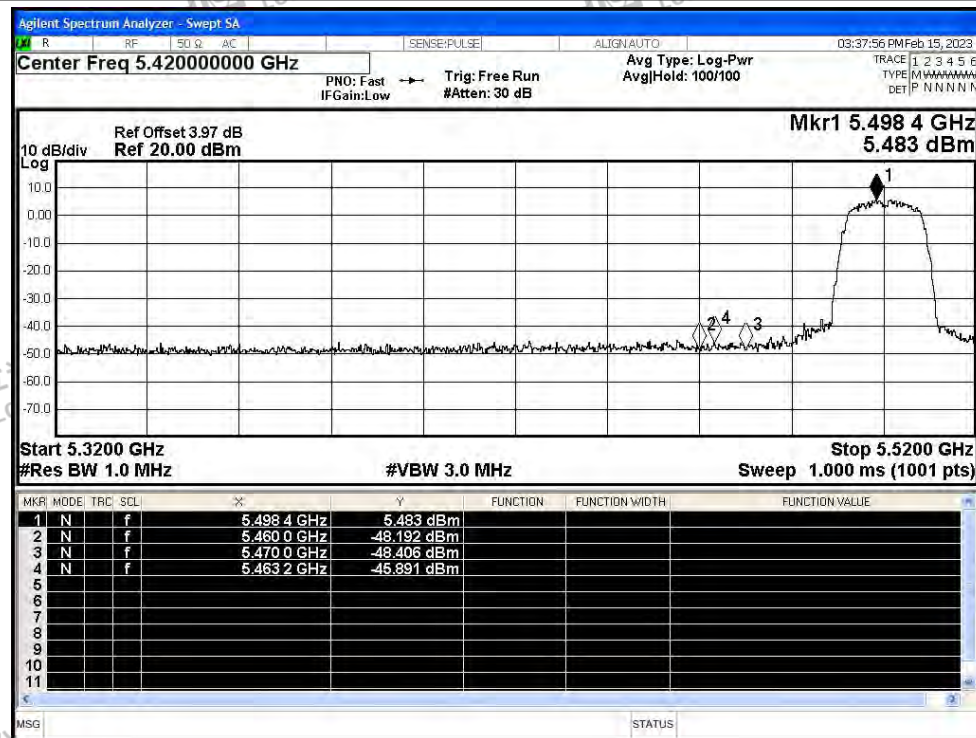


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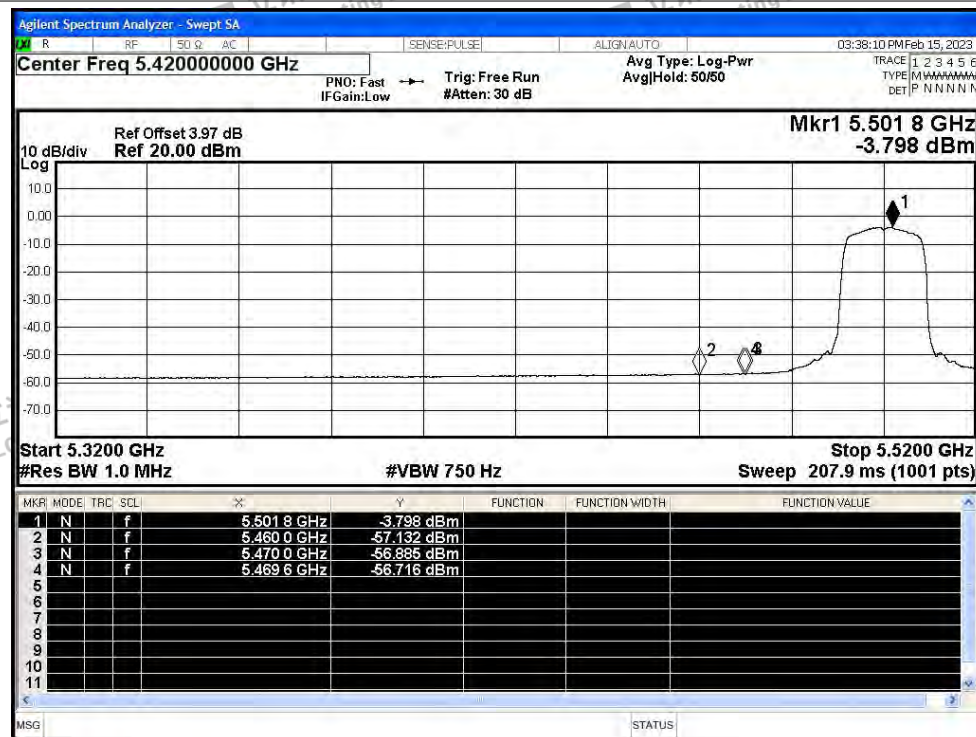


Test Graphs

Restrict Band NVNT a 5500MHz Ant1 Peak

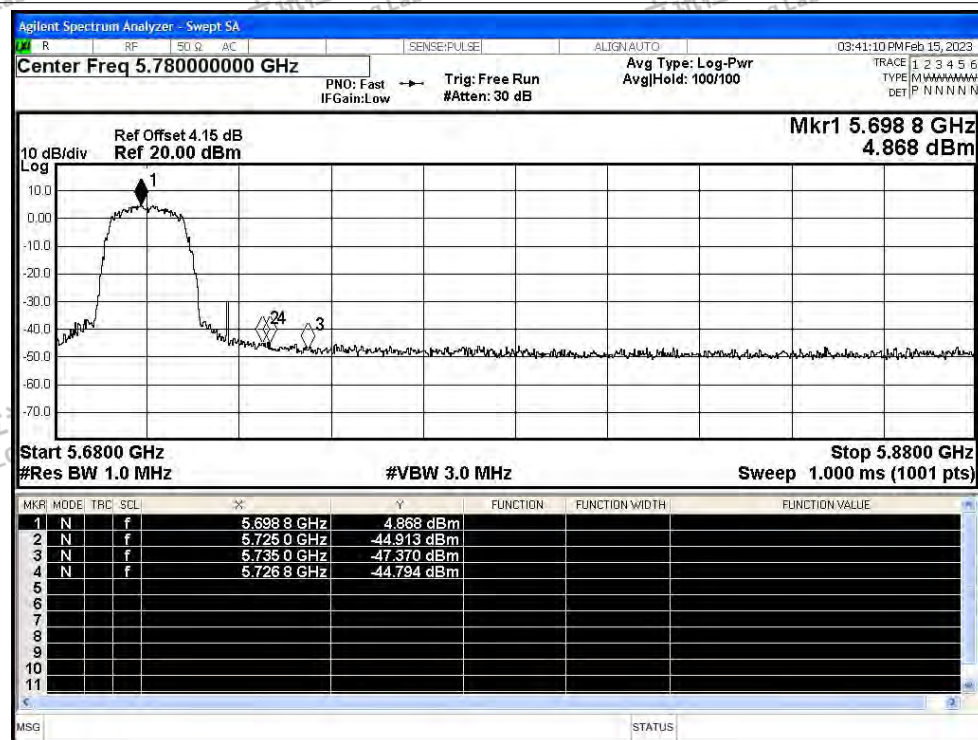


Restrict Band NVNT a 5500MHz Ant1 Average

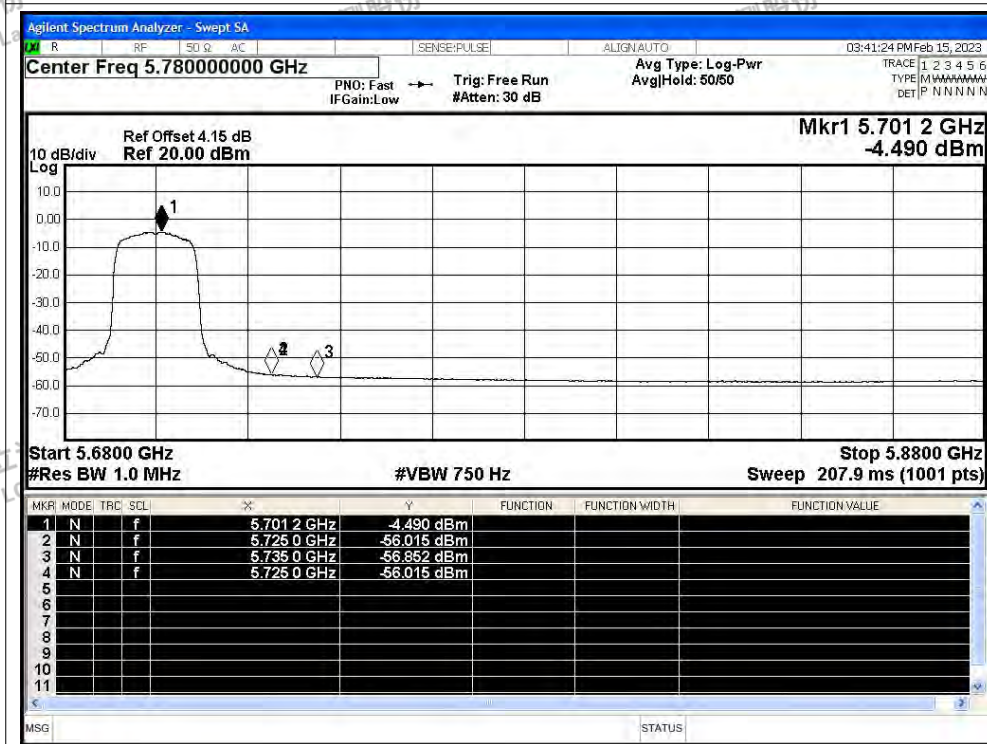




Restrict Band NVNT a 5700MHz Ant1 Peak

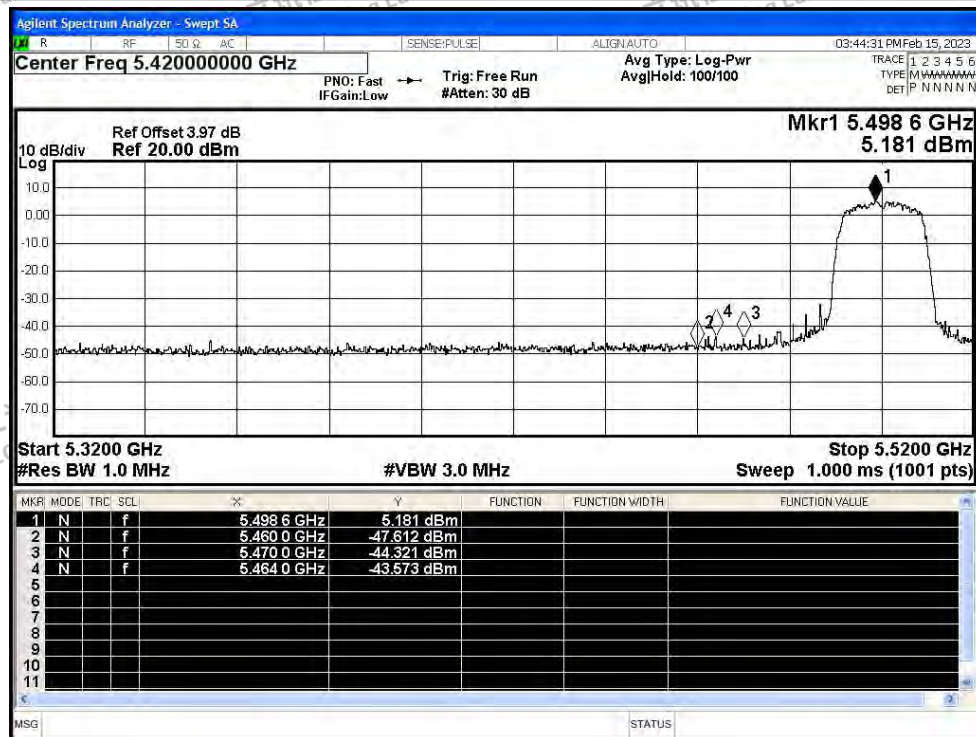


Restrict Band NVNT a 5700MHz Ant1 Average

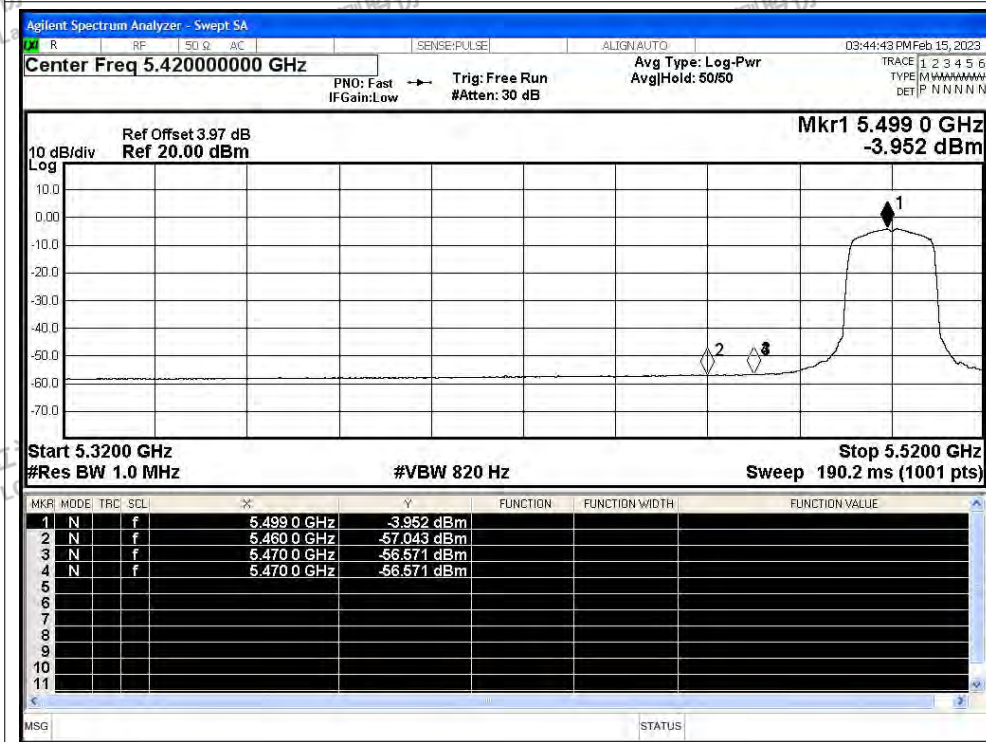




Restrict Band NVNT n20 5500MHz Ant1 Peak

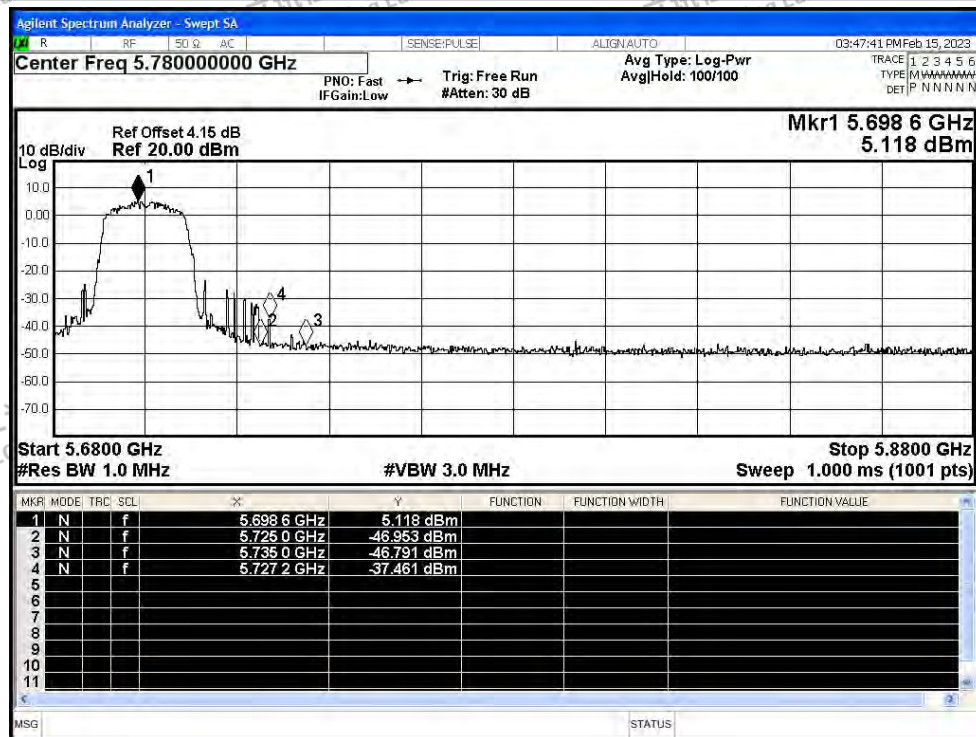


Restrict Band NVNT n20 5500MHz Ant1 Average

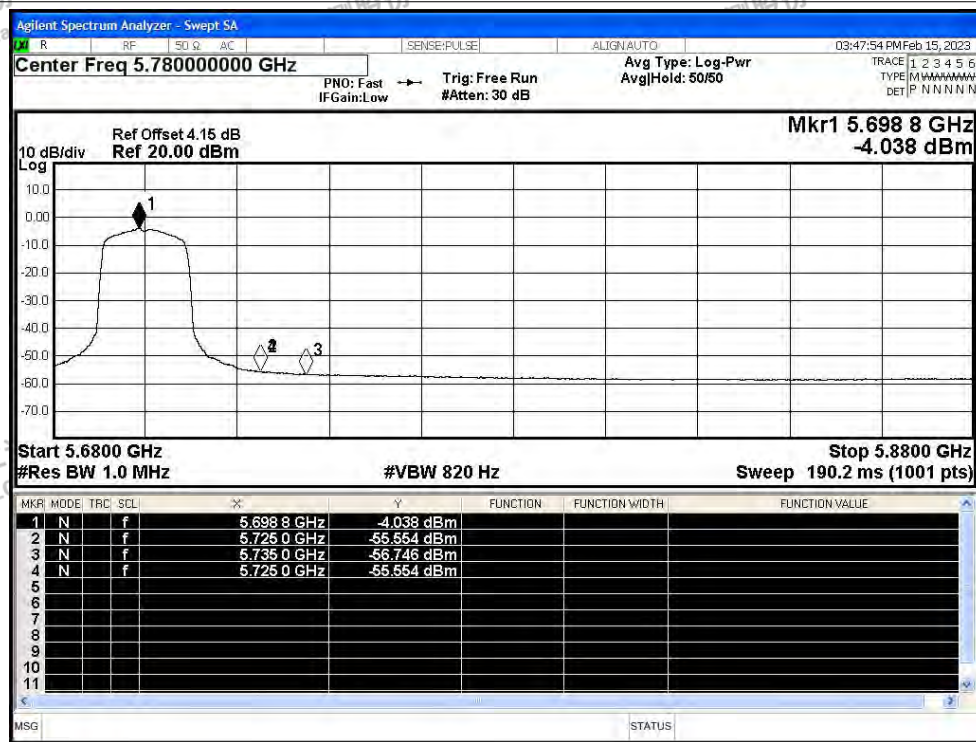




Restrict Band NVNT n20 5700MHz Ant1 Peak

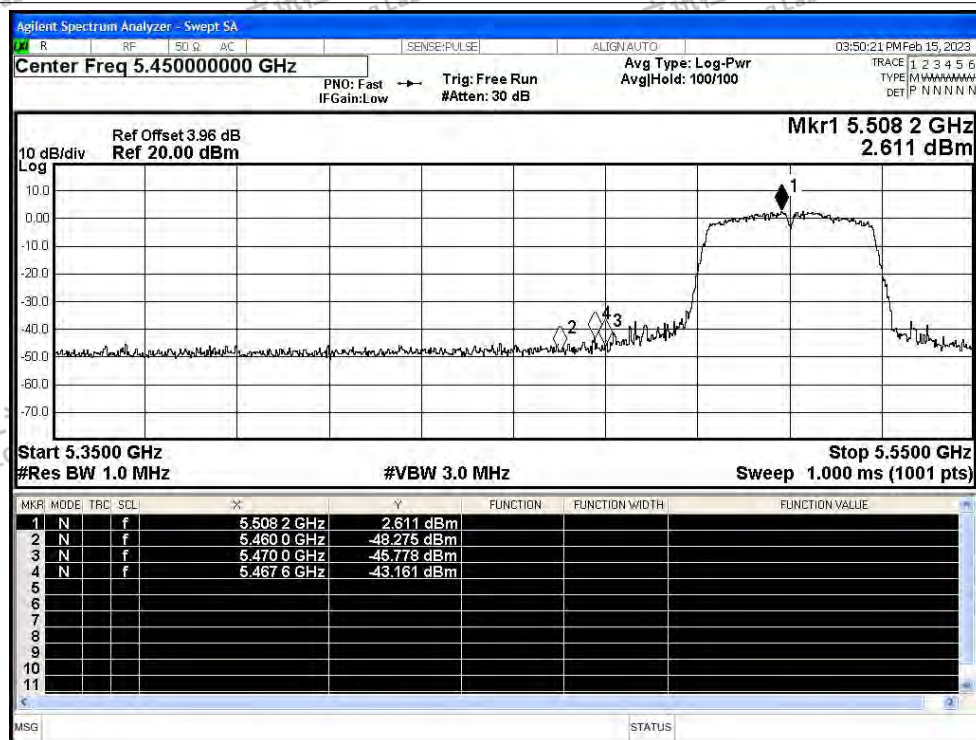


Restrict Band NVNT n20 5700MHz Ant1 Average

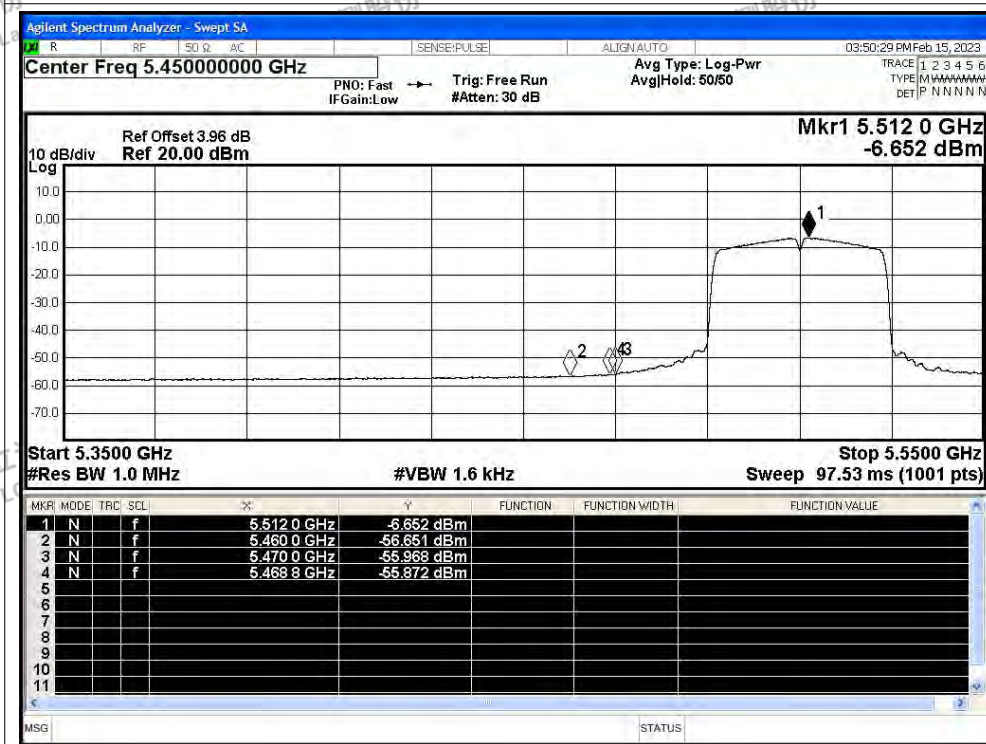




Restrict Band NVNT n40 5510MHz Ant1 Peak



Restrict Band NVNT n40 5510MHz Ant1 Average



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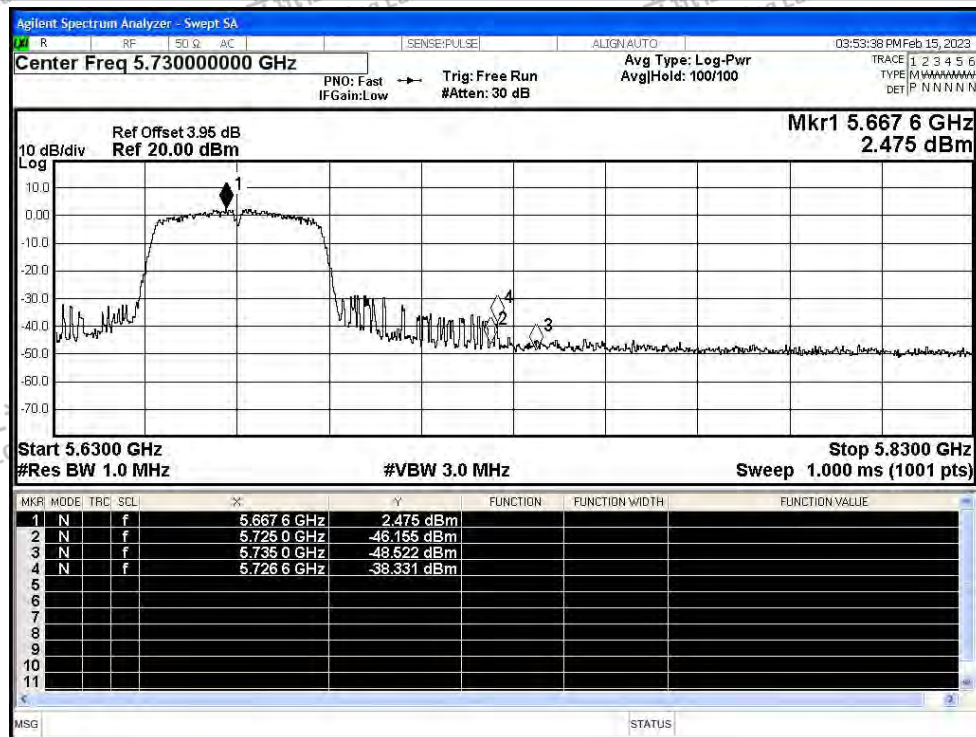
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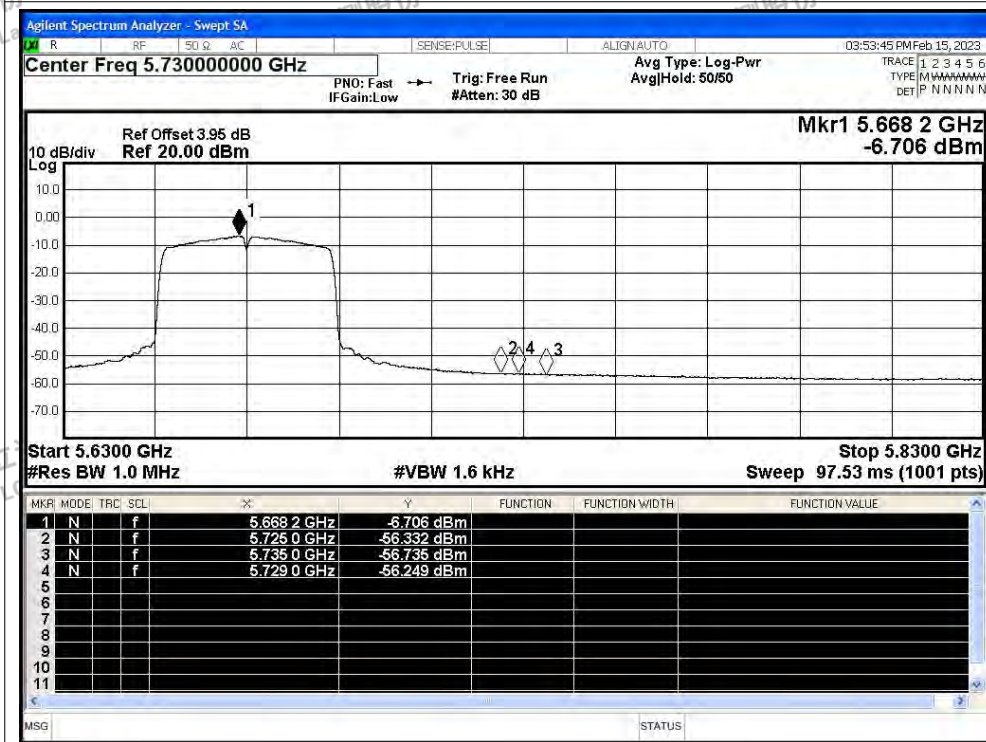
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Restrict Band NVNT n40 5670MHz Ant1 Peak



Restrict Band NVNT n40 5670MHz Ant1 Average





E.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5500	Ant1	5500	0	0	25	Pass
NVNT	a	5580	Ant1	5580.02	20000	3.58	25	Pass
NVNT	a	5700	Ant1	5700	0	0	25	Pass
NVNT	n20	5500	Ant1	5500	0	0	25	Pass
NVNT	n20	5580	Ant1	5579.98	-20000	-3.58	25	Pass
NVNT	n20	5700	Ant1	5700	0	0	25	Pass
NVNT	n40	5510	Ant1	5510	0	0	25	Pass
NVNT	n40	5550	Ant1	5550	0	0	25	Pass
NVNT	n40	5670	Ant1	5670.04	40000	7.05	25	Pass

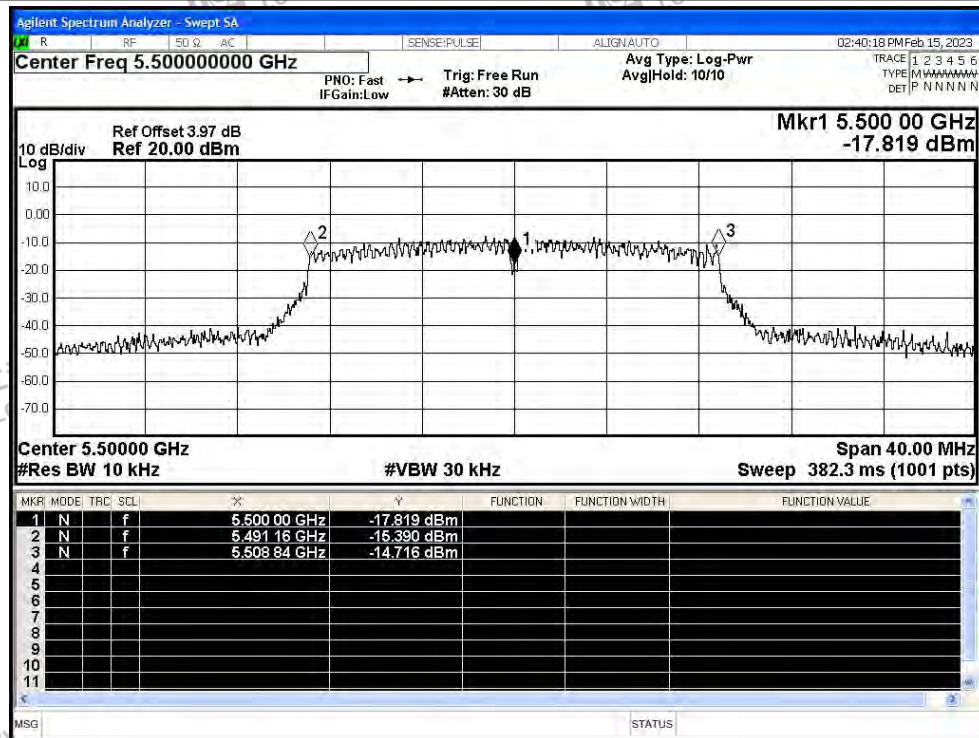


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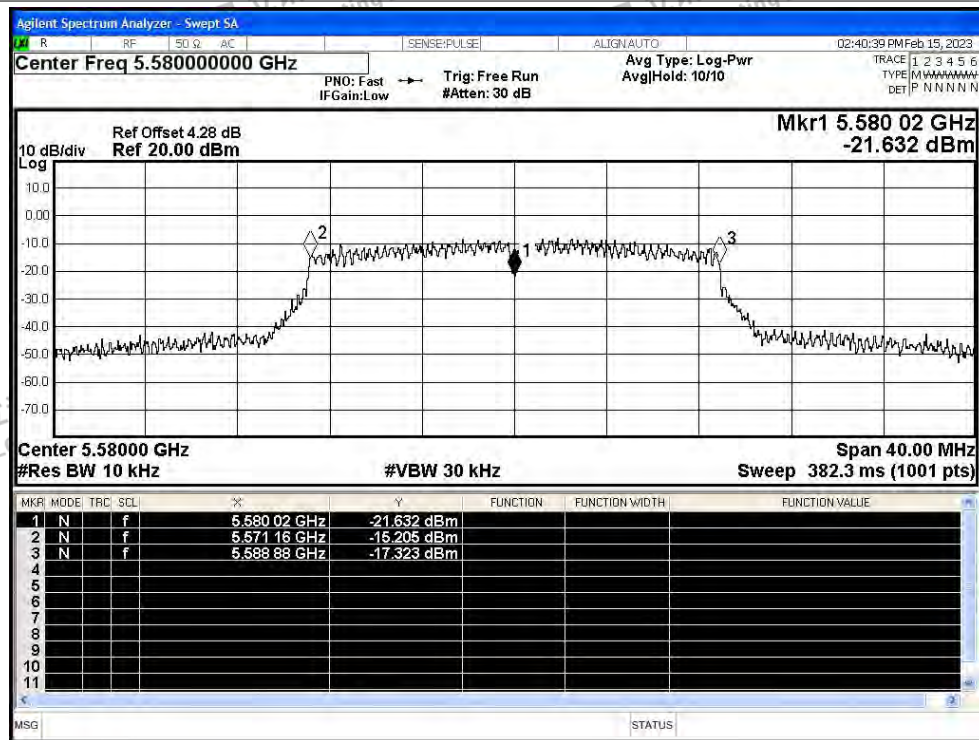


Test Graphs

Freq. Stability NVNT a 5500MHz Ant1



Freq. Stability NVNT a 5580MHz Ant1



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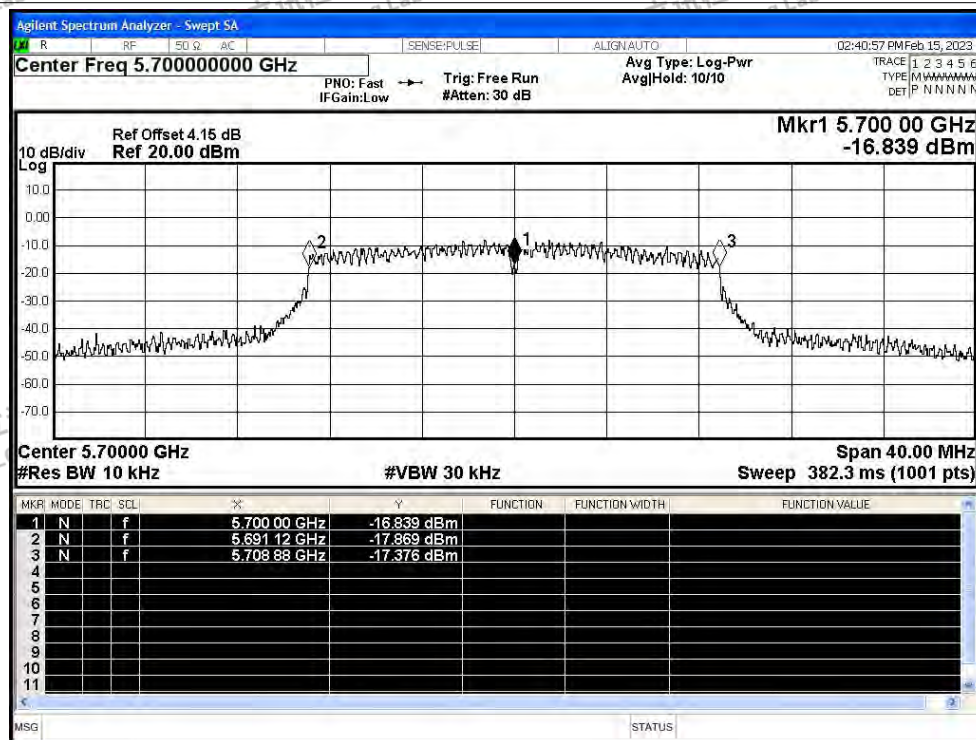
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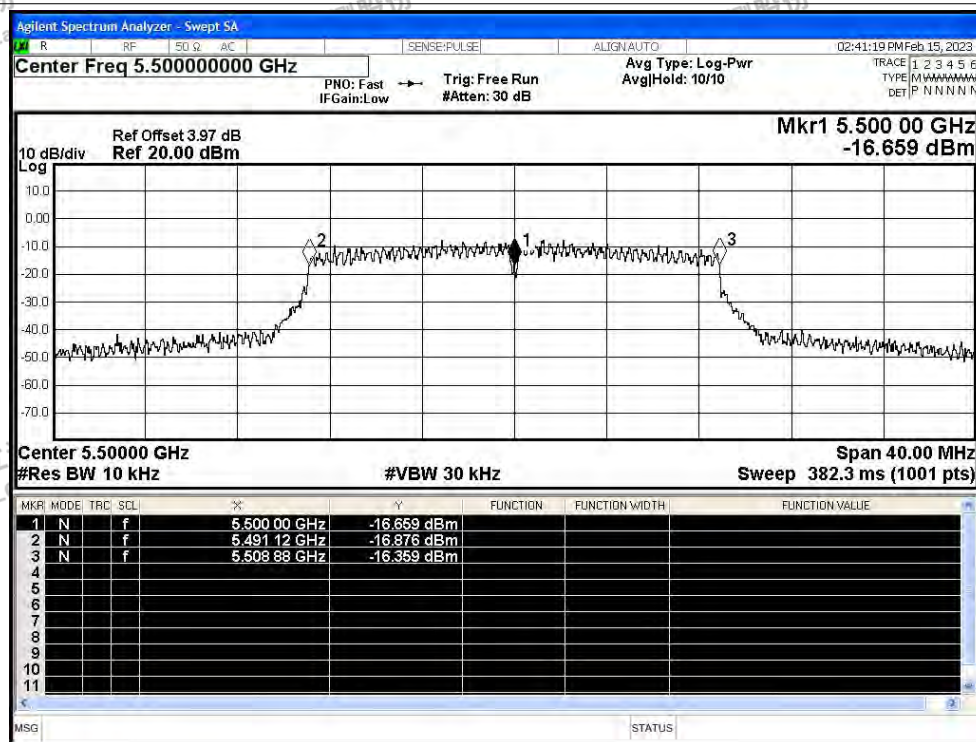
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Freq. Stability NVNT a 5700MHz Ant1



Freq. Stability NVNT n20 5500MHz Ant1



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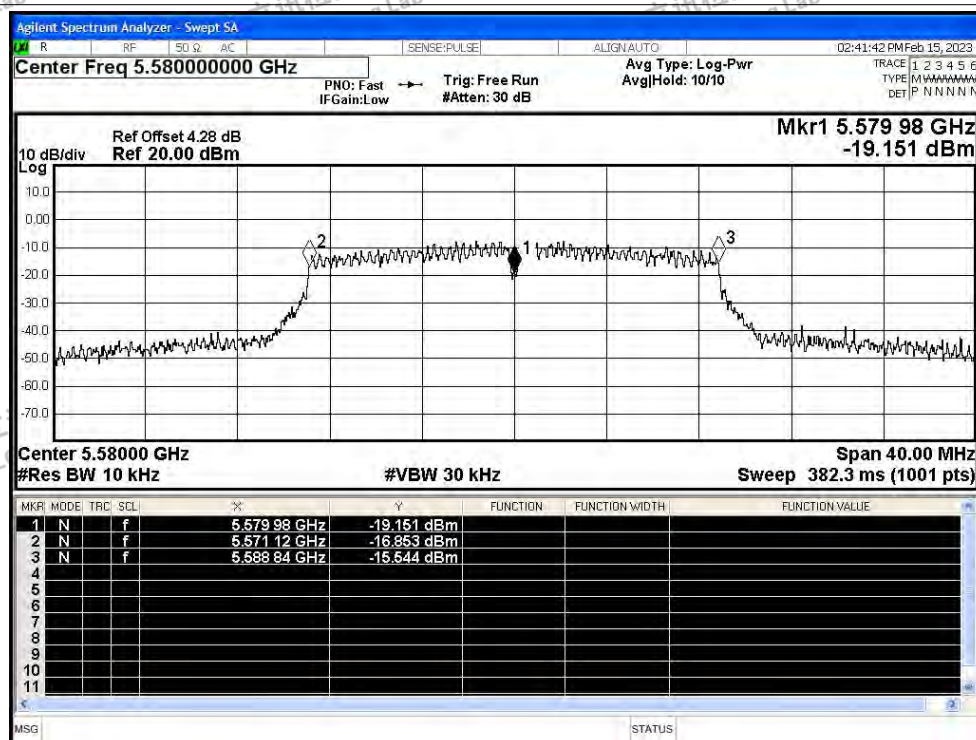
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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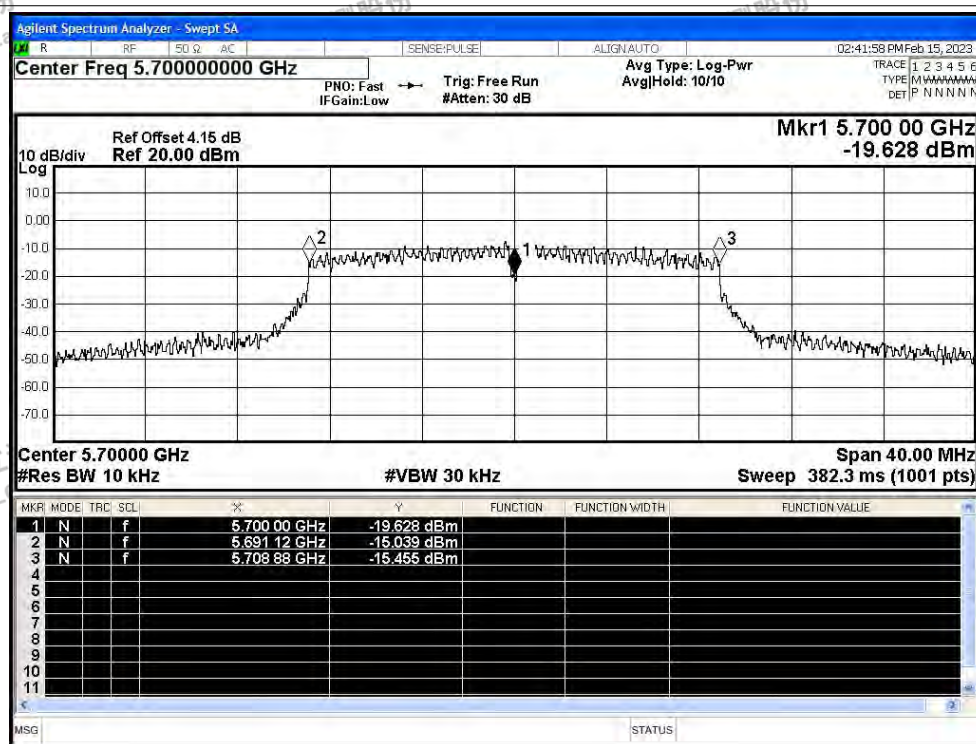
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Freq. Stability NVNT n20 5580MHz Ant1



Freq. Stability NVNT n20 5700MHz Ant1



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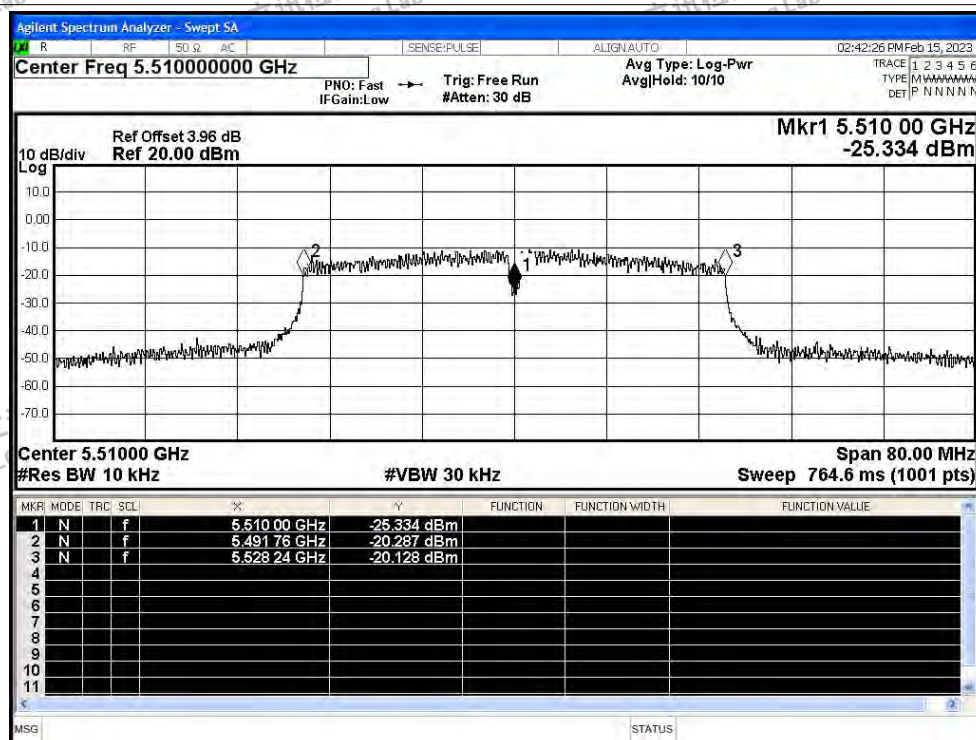
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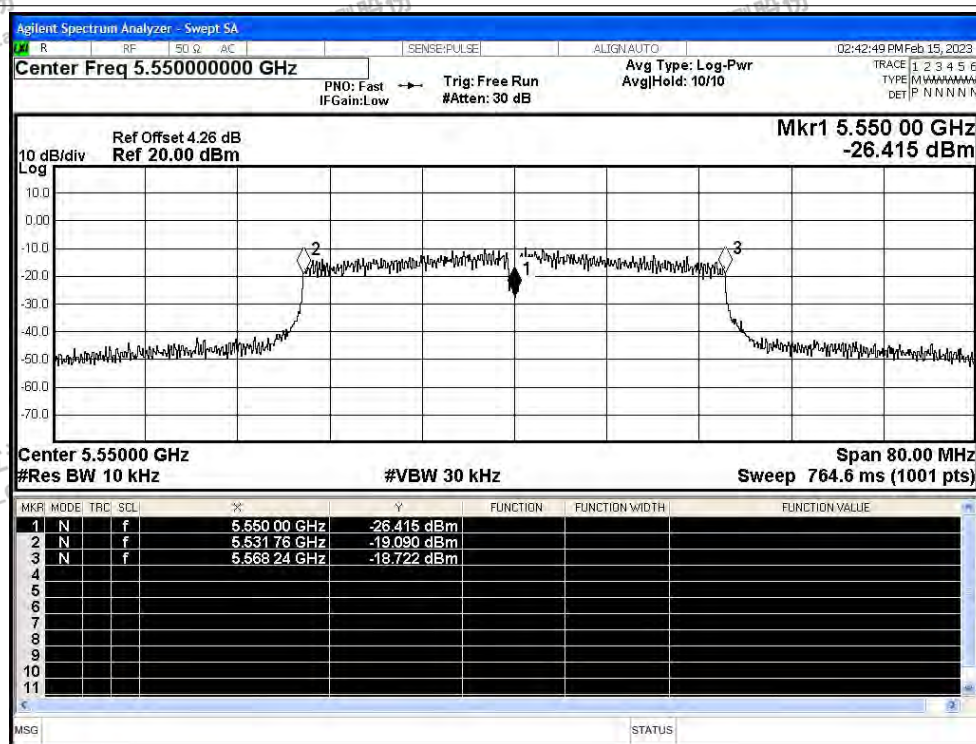
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Freq. Stability NVNT n40 5510MHz Ant1



Freq. Stability NVNT n40 5550MHz Ant1



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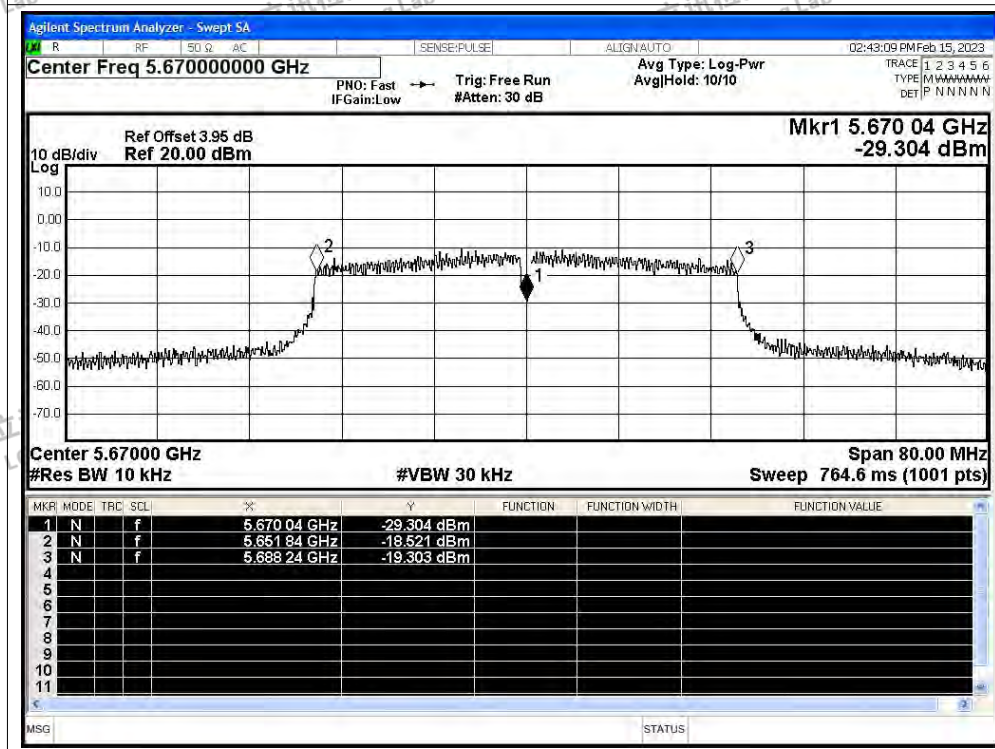
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Freq. Stability NVNT n40 5670MHz Ant1



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E.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	96.94	0.13	0.72
NVNT	a	5580	Ant1	96.94	0.13	0.72
NVNT	a	5700	Ant1	96.94	0.13	0.72
NVNT	n20	5500	Ant1	96.73	0.14	0.77
NVNT	n20	5580	Ant1	96.73	0.14	0.77
NVNT	n20	5700	Ant1	96.73	0.14	0.77
NVNT	n40	5510	Ant1	93.93	0.27	1.54
NVNT	n40	5550	Ant1	93.64	0.29	1.54
NVNT	n40	5670	Ant1	93.64	0.29	1.54

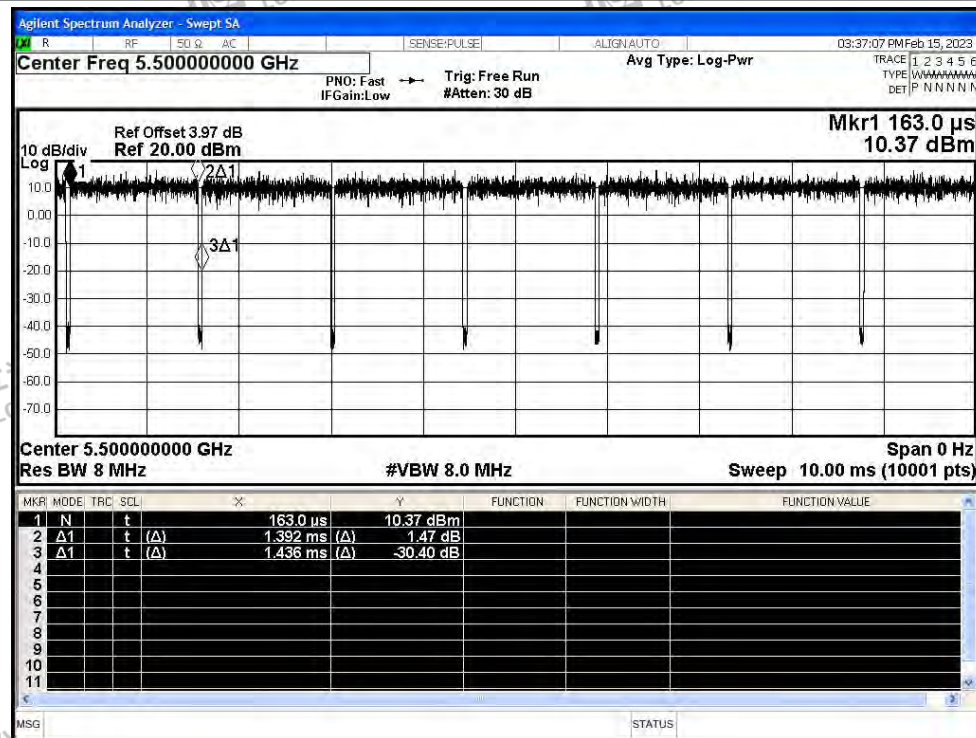


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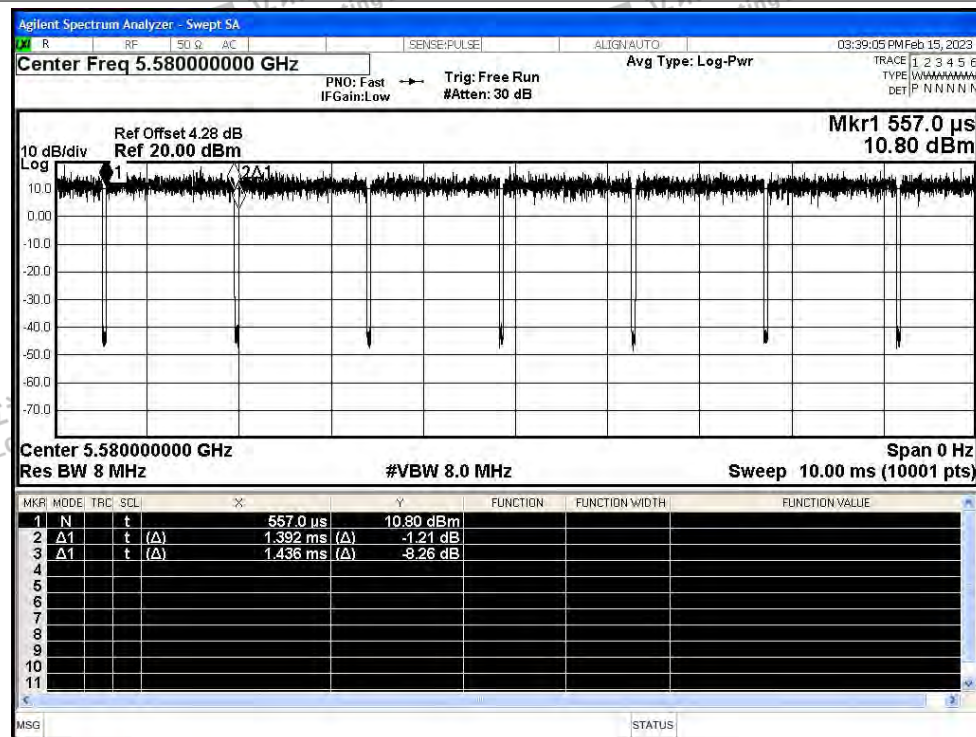


Test Graphs

Duty Cycle NVNT a 5500MHz Ant1



Duty Cycle NVNT a 5580MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

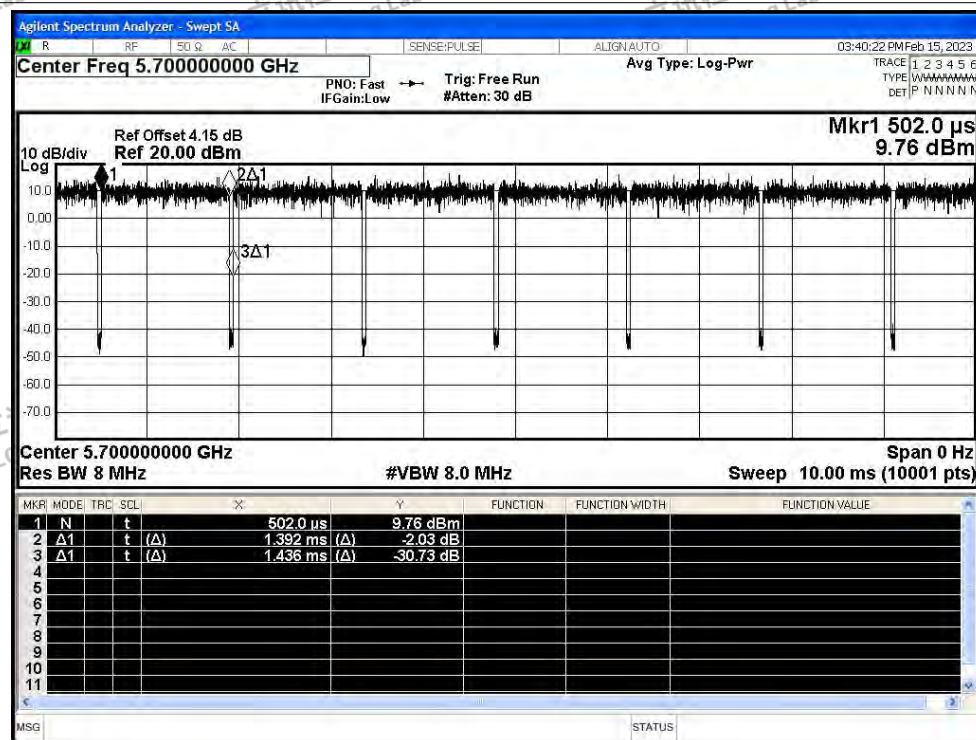
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

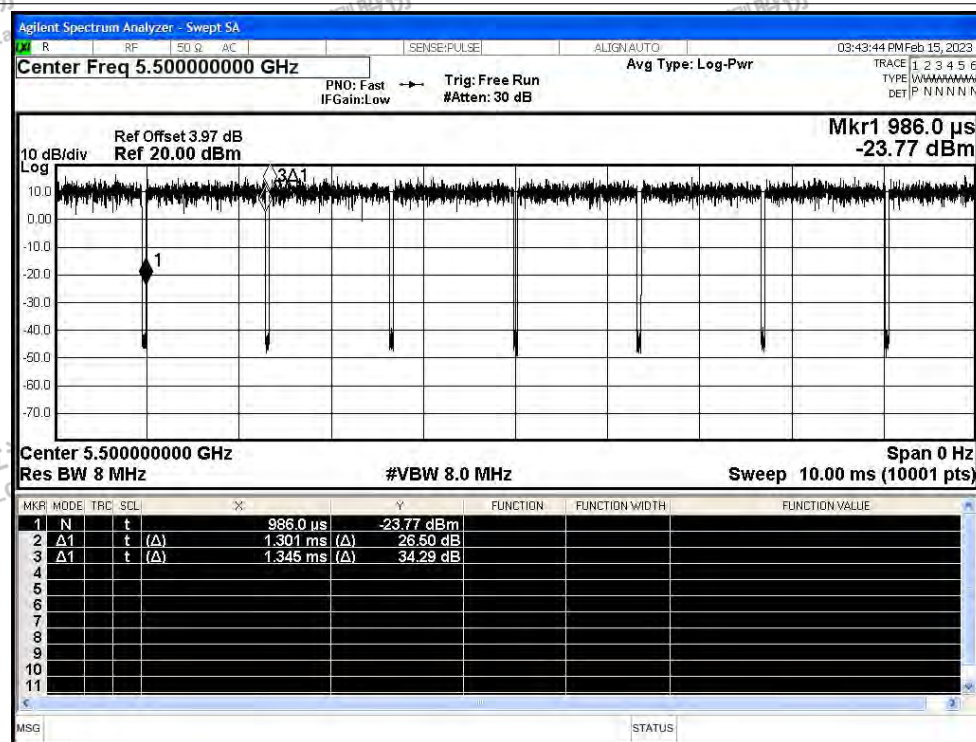
Scan code to check authenticity



Duty Cycle NVNT a 5700MHz Ant1

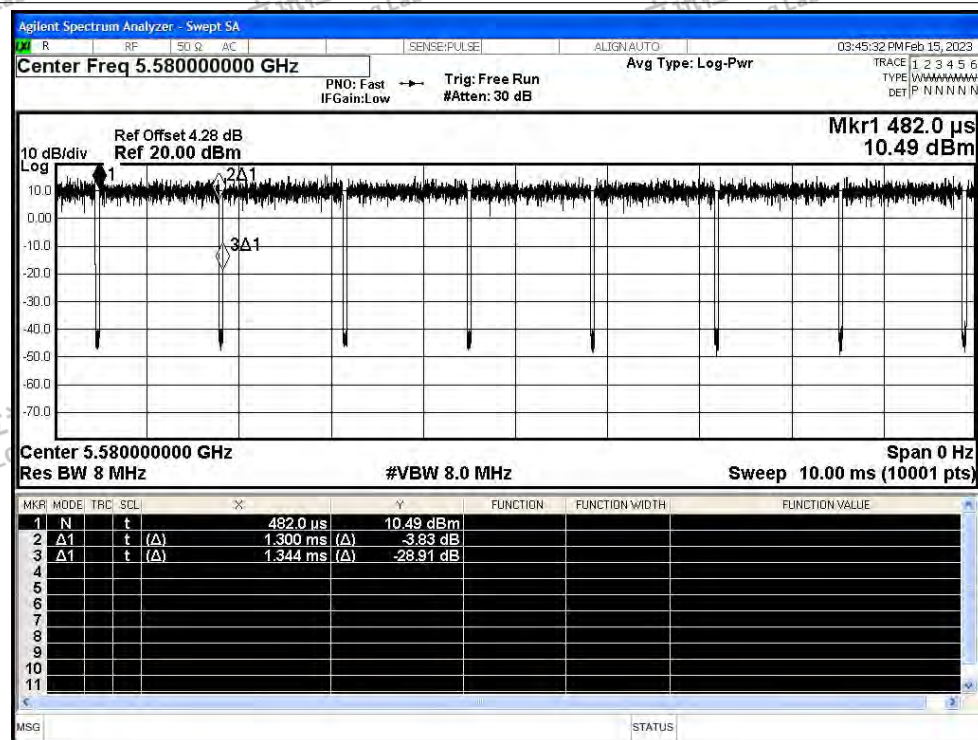


Duty Cycle NVNT n20 5500MHz Ant1

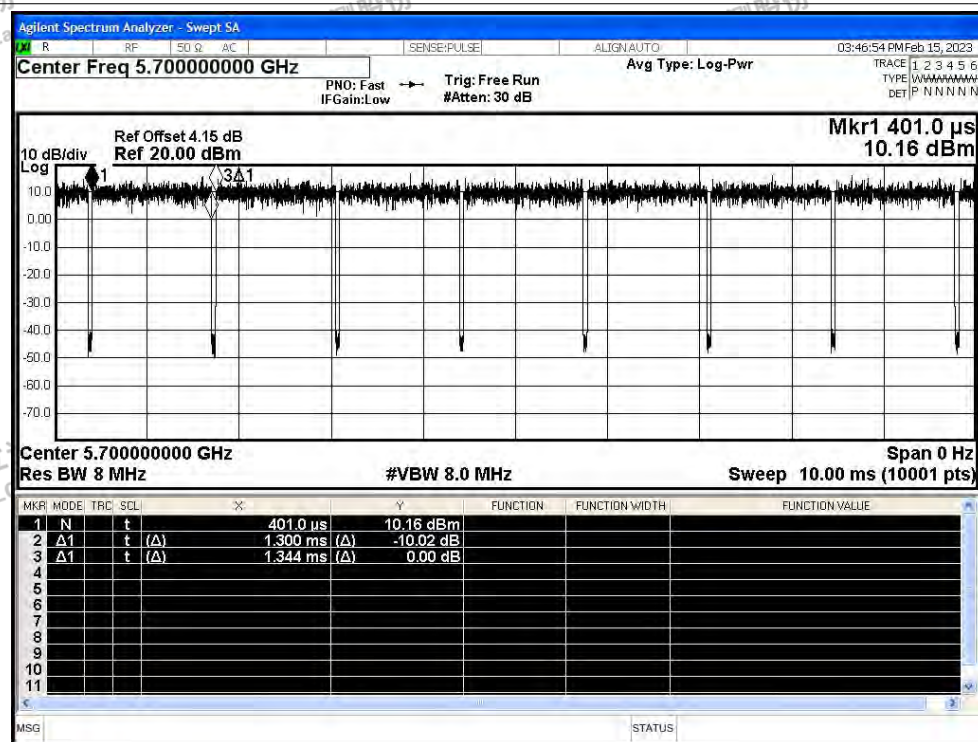




Duty Cycle NVNT n20 5580MHz Ant1

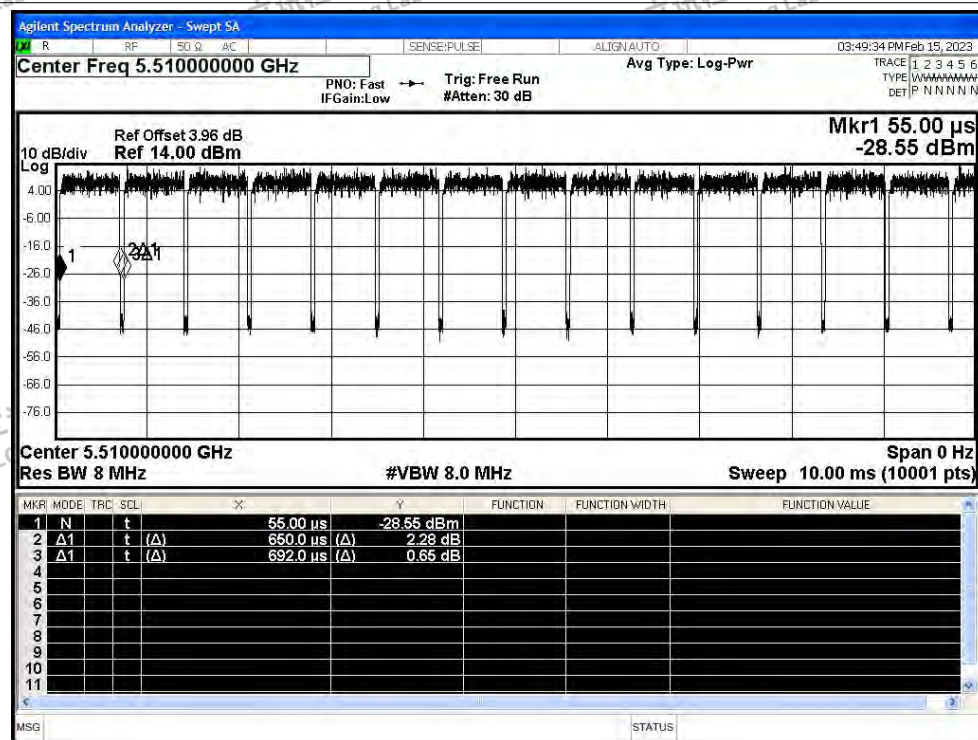


Duty Cycle NVNT n20 5700MHz Ant1

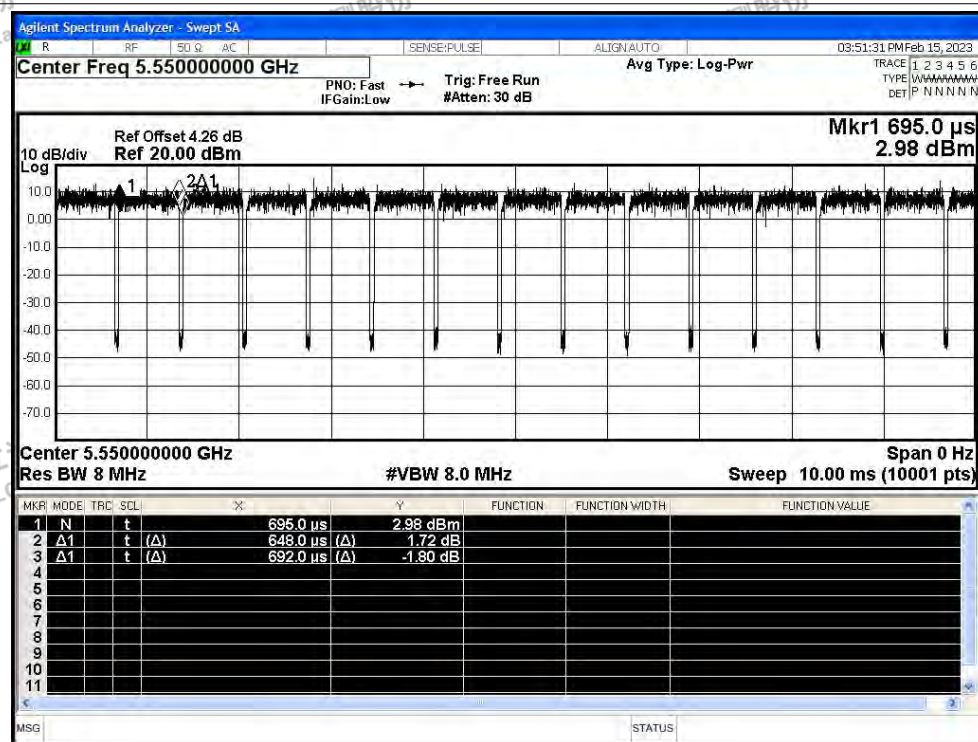




Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5550MHz Ant1





Duty Cycle NVNT n40 5670MHz Ant1

