



Appendix F

RF Test Data for 5.5GWIFI (Conducted Measurement)

Product Name: Tablet PC

Test Model: MOTO- A10

Environmental Conditions

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



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F.1 -26dB Bandwidth

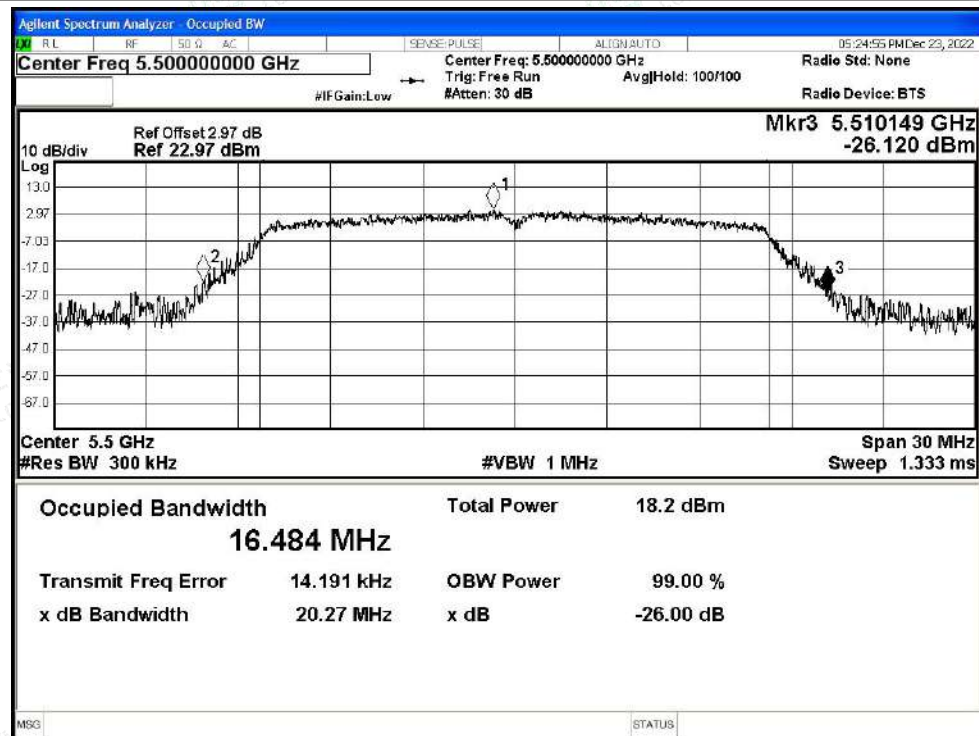
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	20.269	Pass
NVNT	a	5580	Ant1	20.158	Pass
NVNT	a	5700	Ant1	20.097	Pass
NVNT	n20	5500	Ant1	20.023	Pass
NVNT	n20	5580	Ant1	20.168	Pass
NVNT	n20	5700	Ant1	20.08	Pass
NVNT	n40	5510	Ant1	39.714	Pass
NVNT	n40	5550	Ant1	39.814	Pass
NVNT	n40	5670	Ant1	39.868	Pass
NVNT	ac20	5500	Ant1	20.152	Pass
NVNT	ac20	5580	Ant1	20.168	Pass
NVNT	ac20	5700	Ant1	20.148	Pass
NVNT	ac40	5510	Ant1	39.514	Pass
NVNT	ac40	5550	Ant1	39.556	Pass
NVNT	ac40	5670	Ant1	39.649	Pass
NVNT	ac80	5530	Ant1	80.297	Pass
NVNT	ac80	5610	Ant1	80.697	Pass



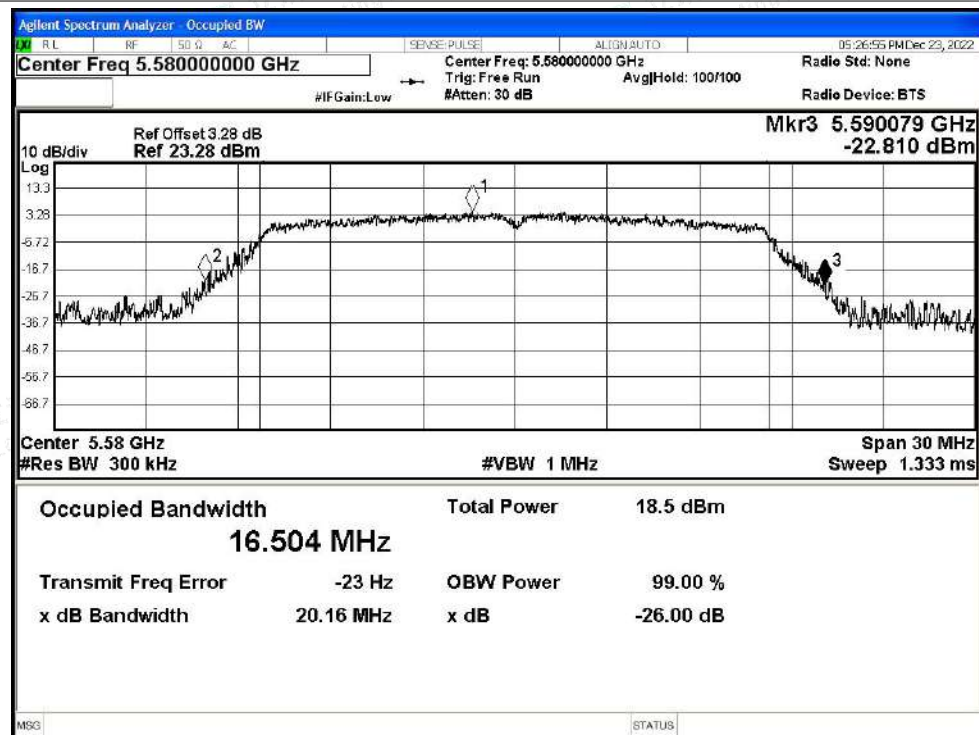


Test Graphs

-26dB Bandwidth NVNT a 5500MHz Ant1



-26dB Bandwidth NVNT a 5580MHz Ant1



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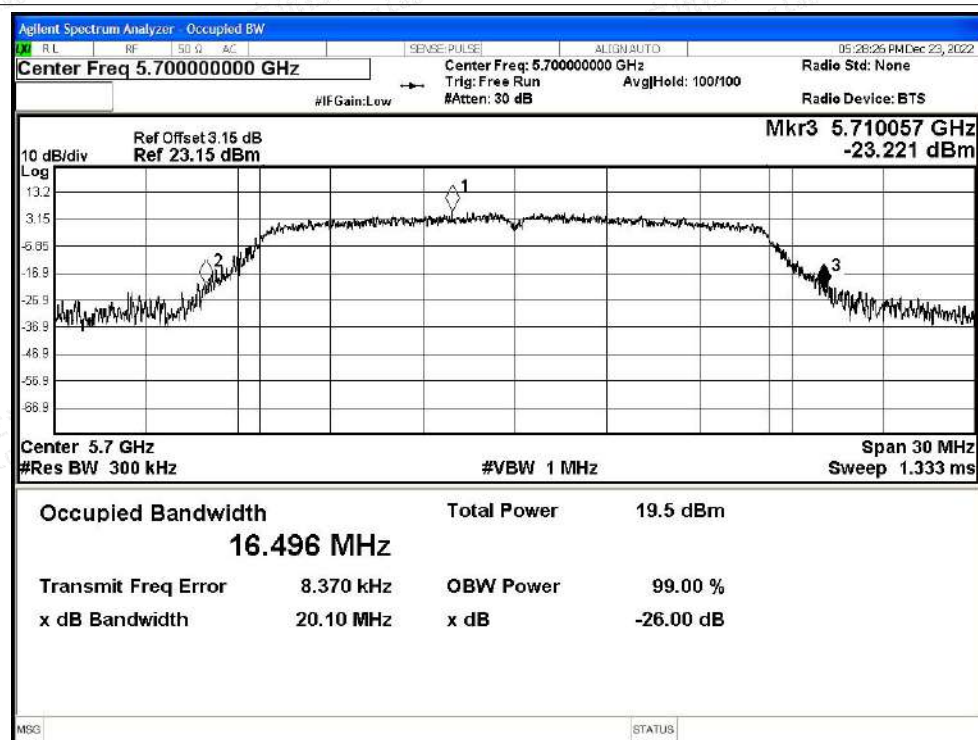
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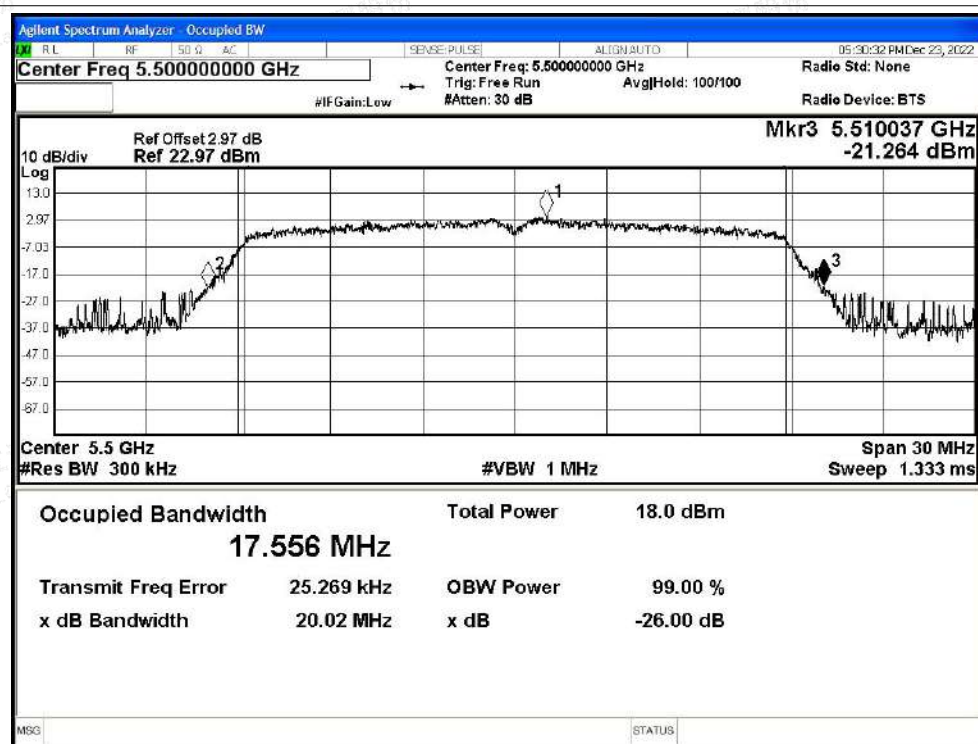
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-26dB Bandwidth NVNT a 5700MHz Ant1



-26dB Bandwidth NVNT n20 5500MHz Ant1



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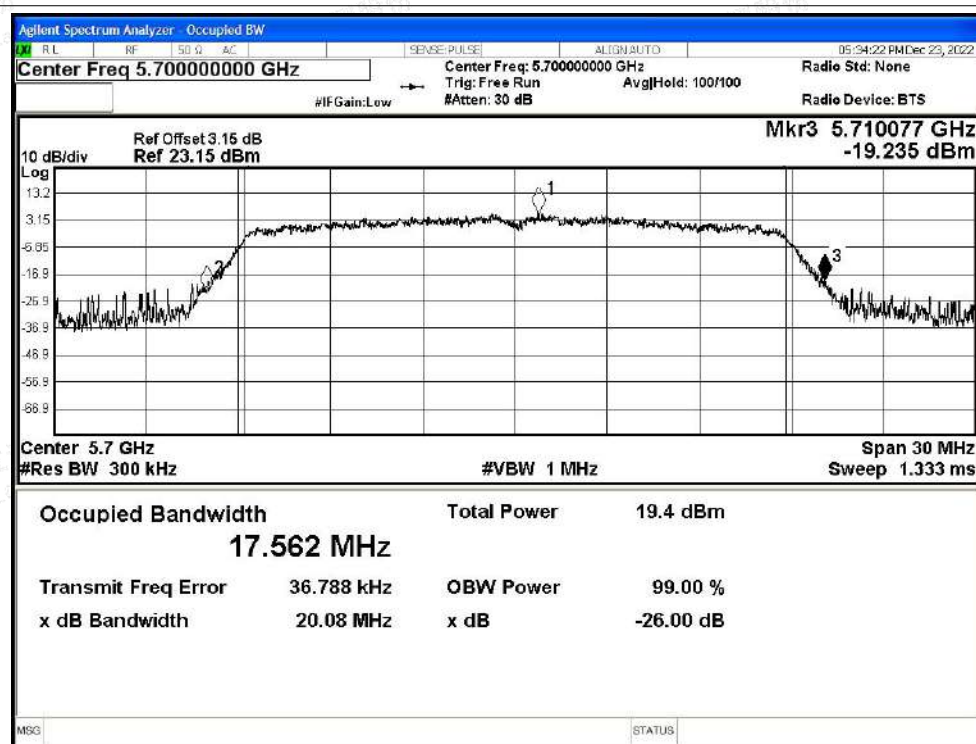
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-26dB Bandwidth NVNT n20 5580MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1



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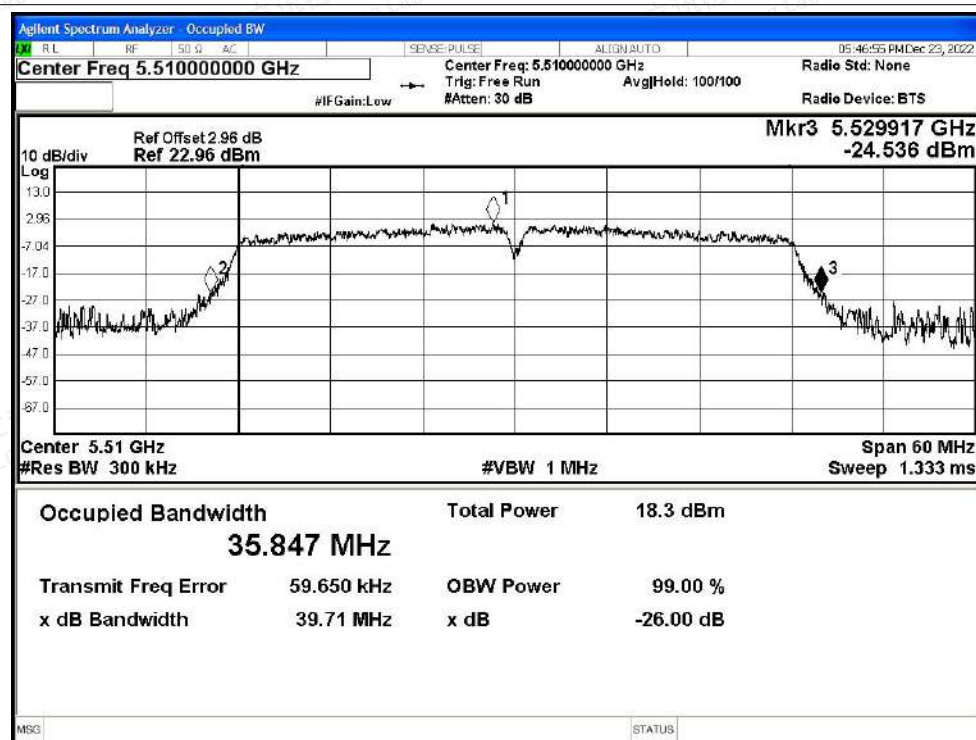
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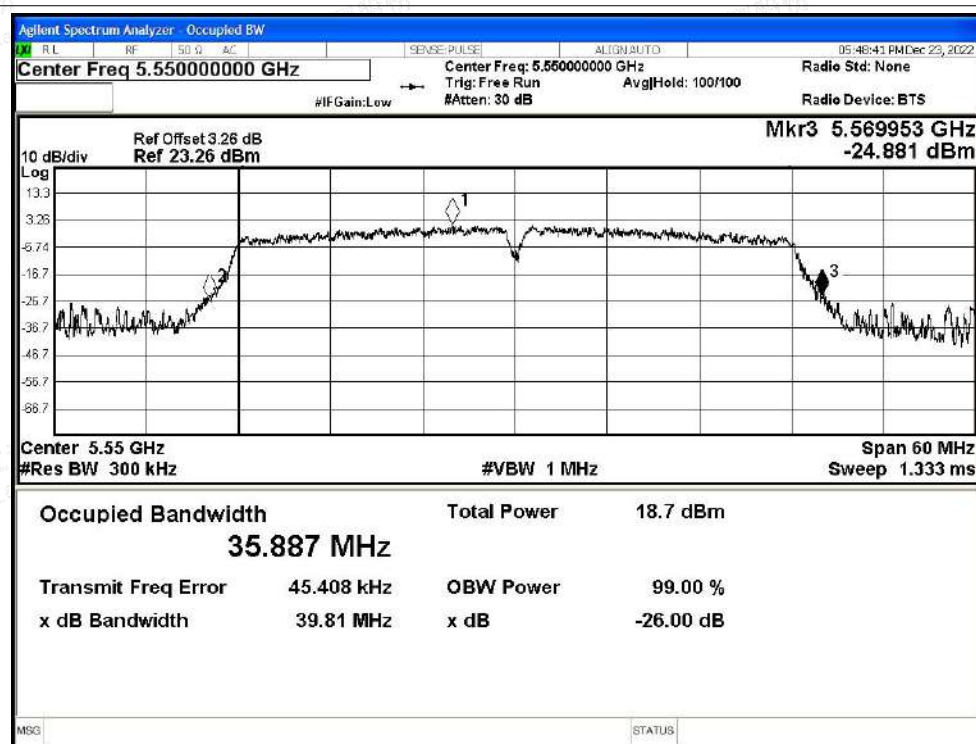
Scan code to check authenticity



-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5550MHz Ant1



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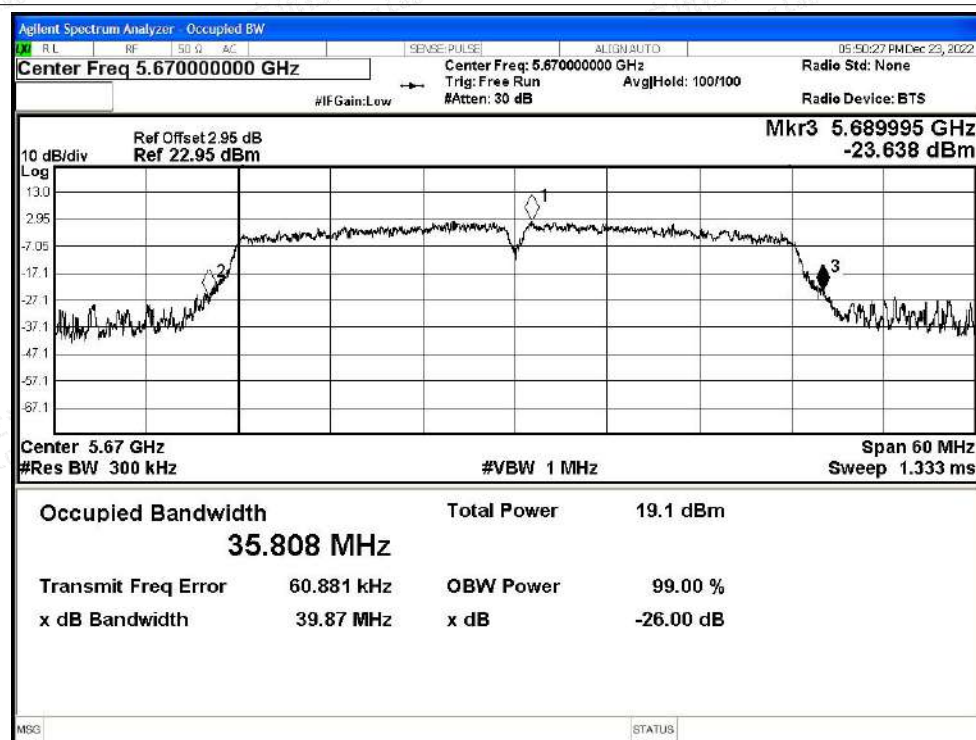
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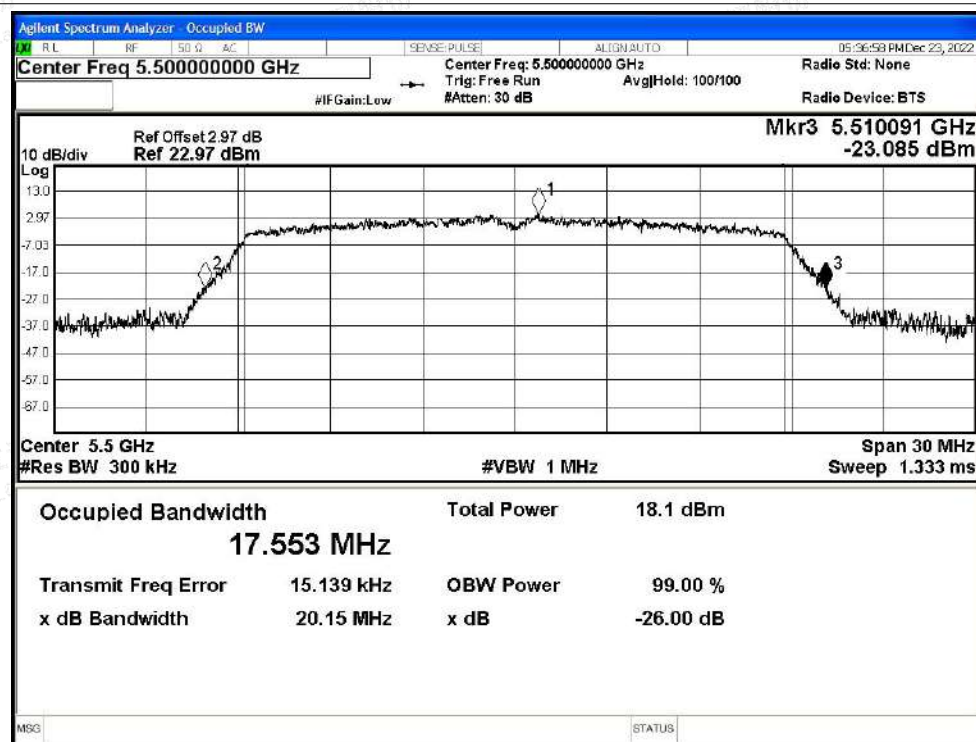
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-26dB Bandwidth NVNT n40 5670MHz Ant1



-26dB Bandwidth NVNT ac20 5500MHz Ant1



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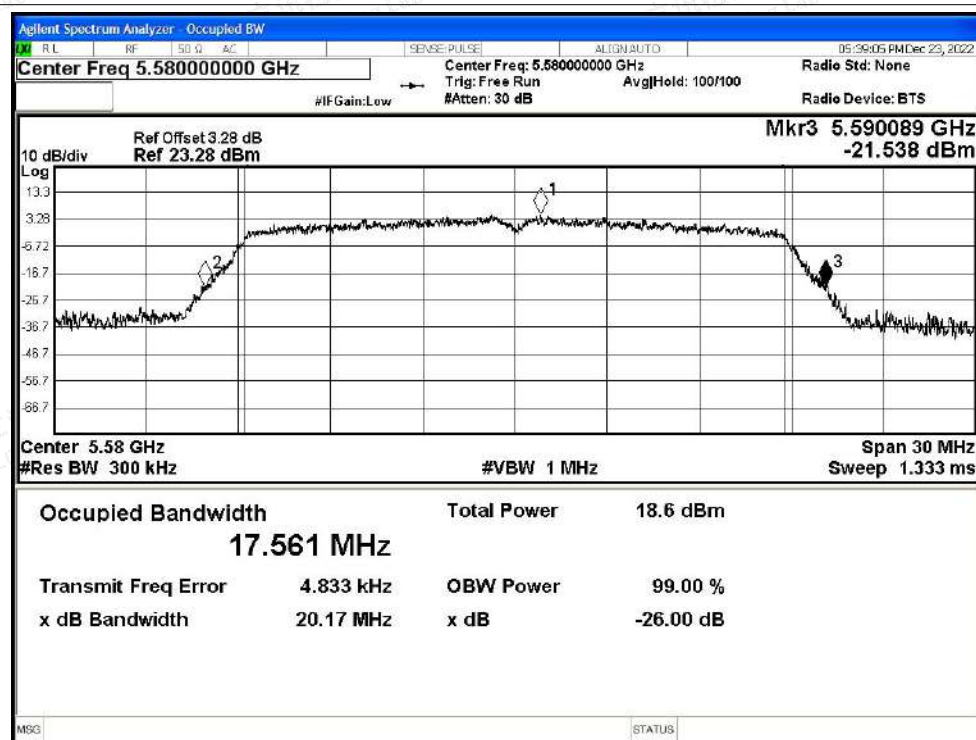
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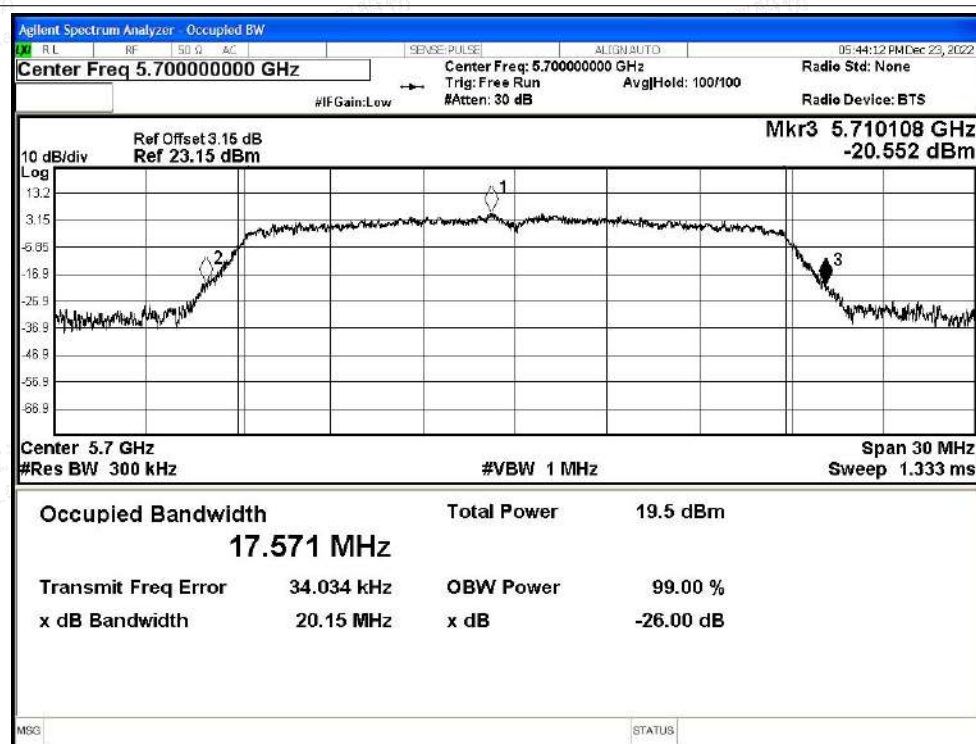
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-26dB Bandwidth NVNT ac20 5580MHz Ant1



-26dB Bandwidth NVNT ac20 5700MHz Ant1



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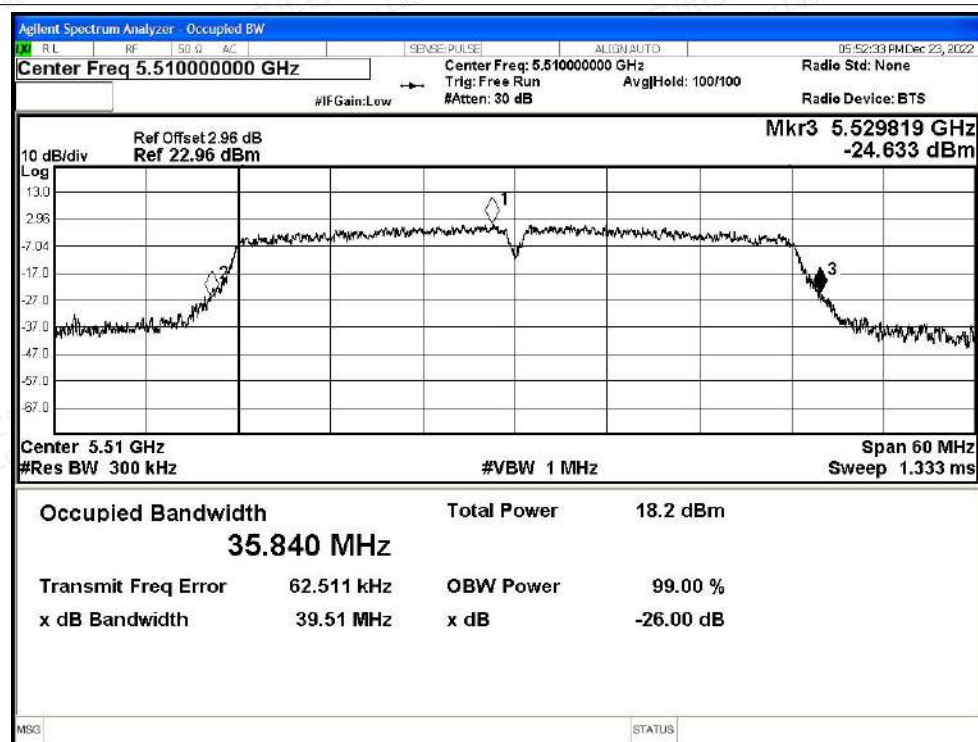
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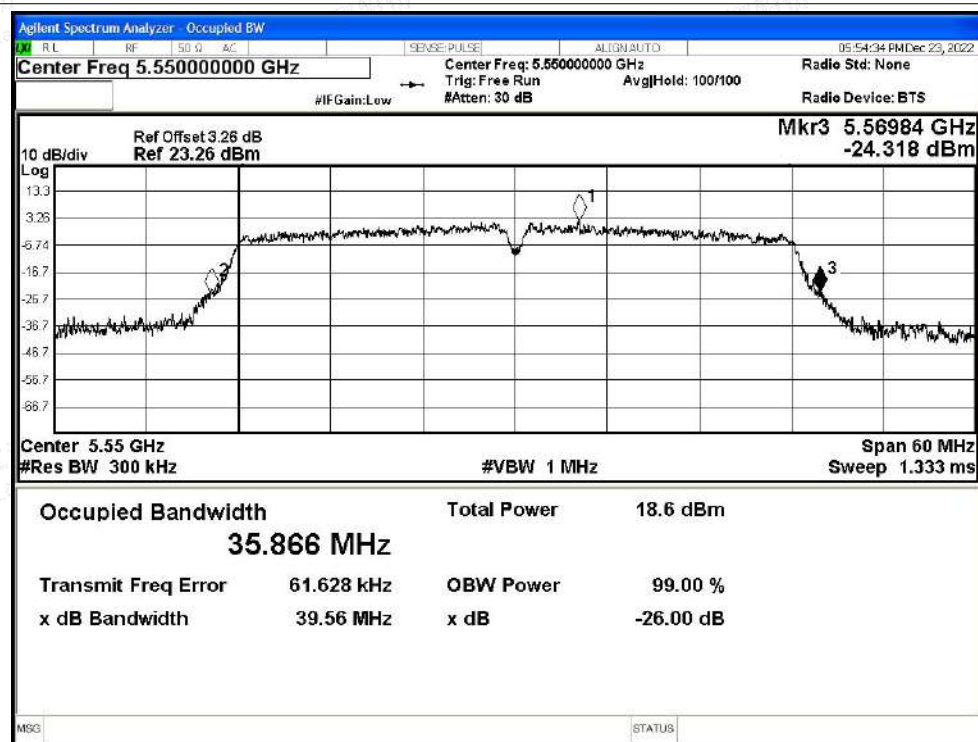
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-26dB Bandwidth NVNT ac40 5510MHz Ant1



-26dB Bandwidth NVNT ac40 5550MHz Ant1



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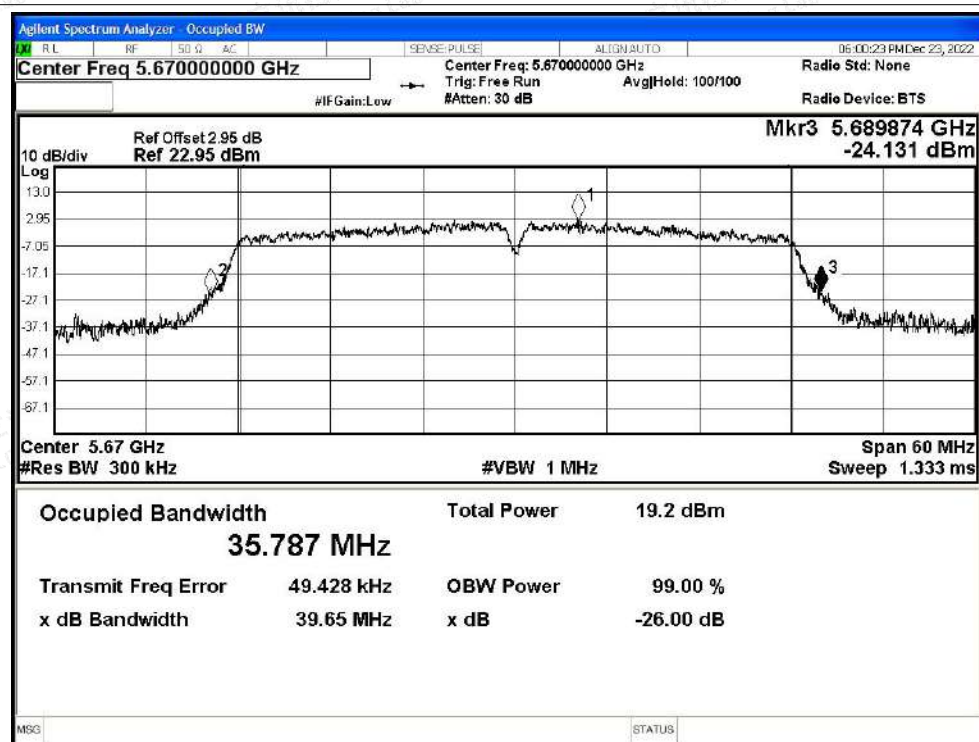
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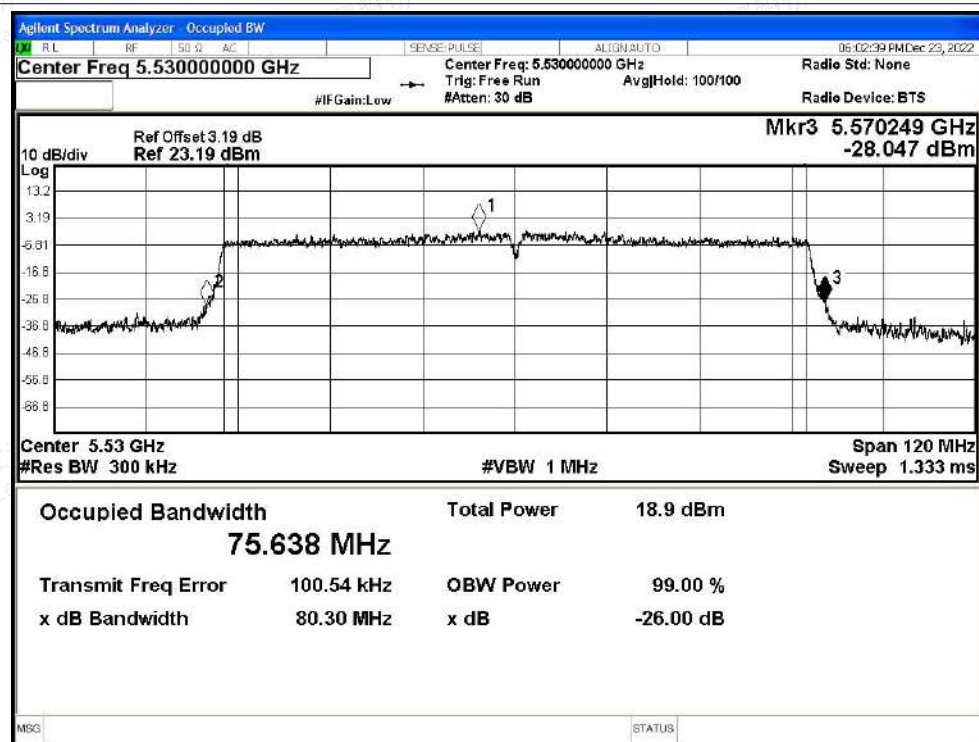
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-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1

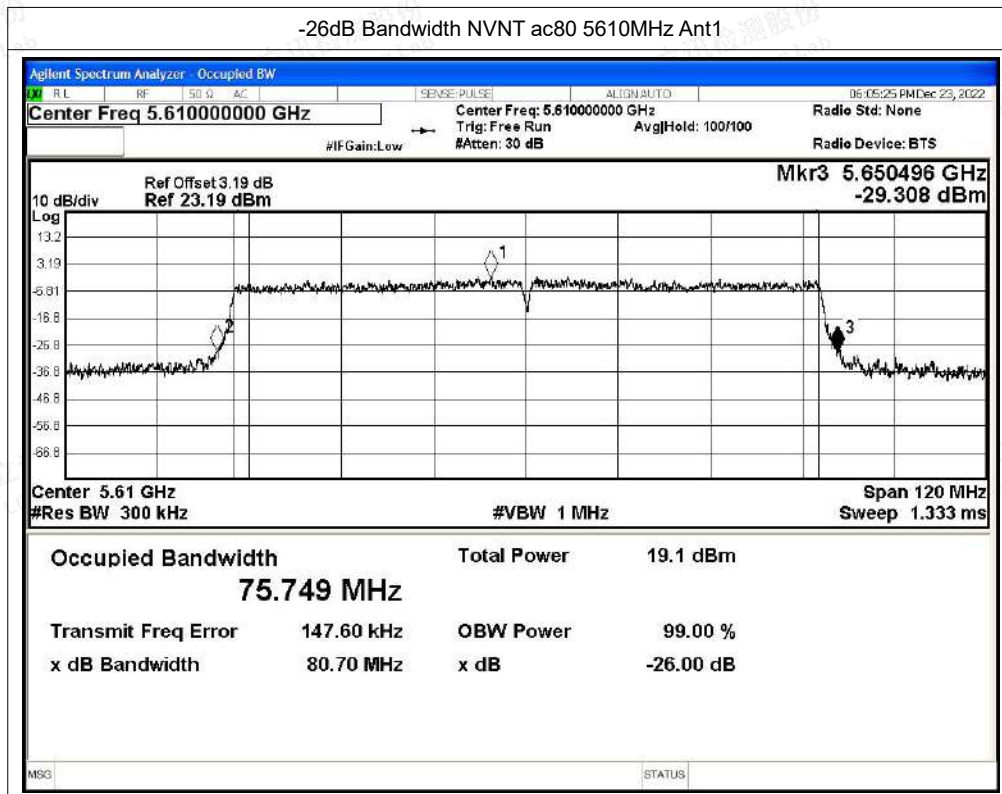


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F.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	6.61	0.11	6.72	24	Pass
NVNT	a	5580	Ant1	6.86	0.11	6.97	24	Pass
NVNT	a	5700	Ant1	6.74	0.11	6.85	24	Pass
NVNT	n20	5500	Ant1	6.41	0.12	6.53	24	Pass
NVNT	n20	5580	Ant1	6.64	0.12	6.76	24	Pass
NVNT	n20	5700	Ant1	6.74	0.12	6.86	24	Pass
NVNT	n40	5510	Ant1	6.44	0.23	6.67	24	Pass
NVNT	n40	5550	Ant1	6.76	0.23	6.99	24	Pass
NVNT	n40	5670	Ant1	6.47	0.23	6.70	24	Pass
NVNT	ac20	5500	Ant1	6.50	0.12	6.62	24	Pass
NVNT	ac20	5580	Ant1	6.80	0.11	6.91	24	Pass
NVNT	ac20	5700	Ant1	6.74	0.12	6.86	24	Pass
NVNT	ac40	5510	Ant1	6.34	0.23	6.57	24	Pass
NVNT	ac40	5550	Ant1	6.71	0.23	6.94	24	Pass
NVNT	ac40	5670	Ant1	6.42	0.23	6.65	24	Pass
NVNT	ac80	5530	Ant1	6.47	0.45	6.92	24	Pass
NVNT	ac80	5610	Ant1	6.50	0.45	6.95	24	Pass



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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	Ant1	0.71	0.11	0.82	11	Pass
NVNT	a	5580	Ant1	1.51	0.11	1.62	11	Pass
NVNT	a	5700	Ant1	1.76	0.11	1.87	11	Pass
NVNT	n20	5500	Ant1	0.65	0.12	0.77	11	Pass
NVNT	n20	5580	Ant1	0.65	0.12	0.77	11	Pass
NVNT	n20	5700	Ant1	0.43	0.12	0.55	11	Pass
NVNT	n40	5510	Ant1	-3.6	0.23	-3.37	11	Pass
NVNT	n40	5550	Ant1	-2.19	0.23	-1.96	11	Pass
NVNT	n40	5670	Ant1	-3.11	0.23	-2.88	11	Pass
NVNT	ac20	5500	Ant1	0.57	0.12	0.69	11	Pass
NVNT	ac20	5580	Ant1	1.14	0.11	1.25	11	Pass
NVNT	ac20	5700	Ant1	0.61	0.12	0.73	11	Pass
NVNT	ac40	5510	Ant1	-4.16	0.23	-3.93	11	Pass
NVNT	ac40	5550	Ant1	-2.9	0.23	-2.67	11	Pass
NVNT	ac40	5670	Ant1	-3.5	0.23	-3.27	11	Pass
NVNT	ac80	5530	Ant1	-7.85	0.45	-7.40	11	Pass
NVNT	ac80	5610	Ant1	-8	0.45	-7.55	11	Pass

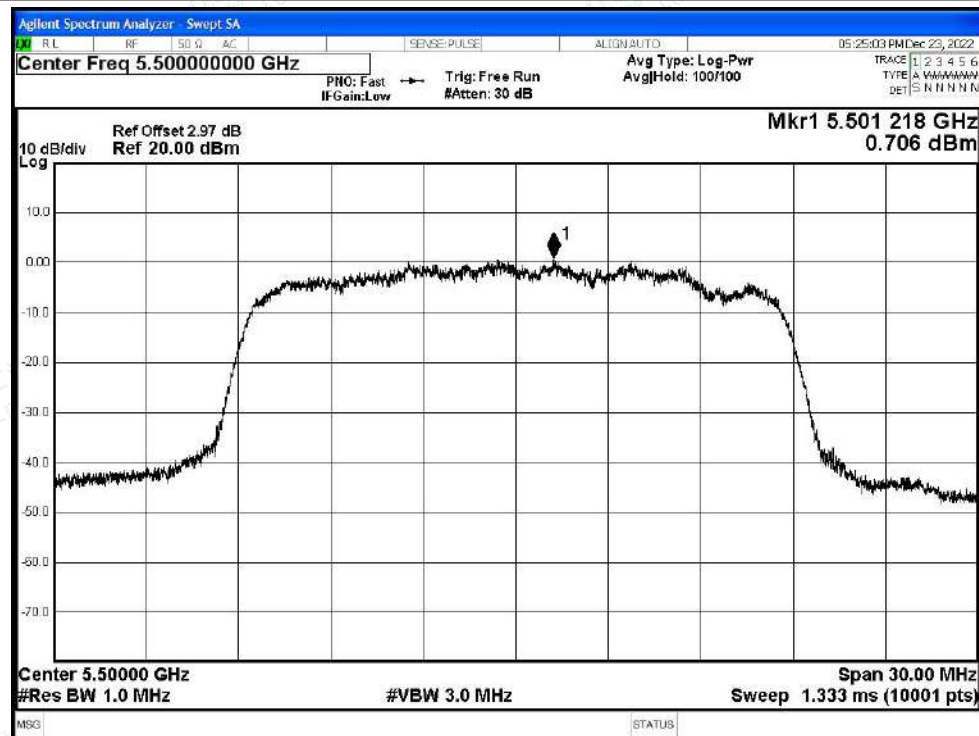


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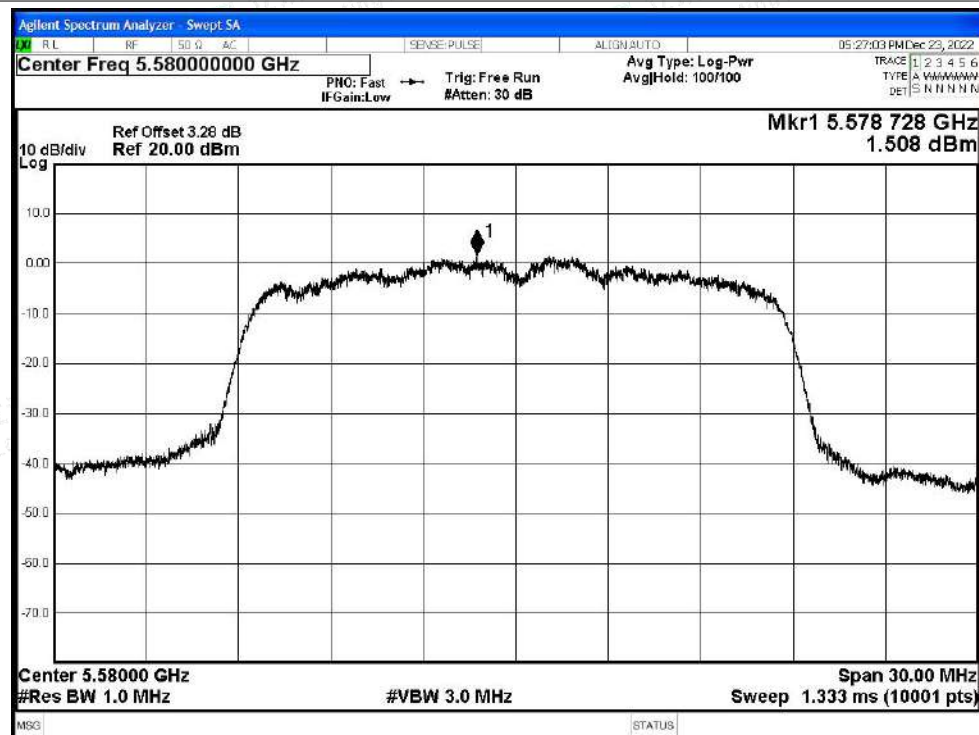


Test Graphs

PSD NVNT a 5500MHz Ant1

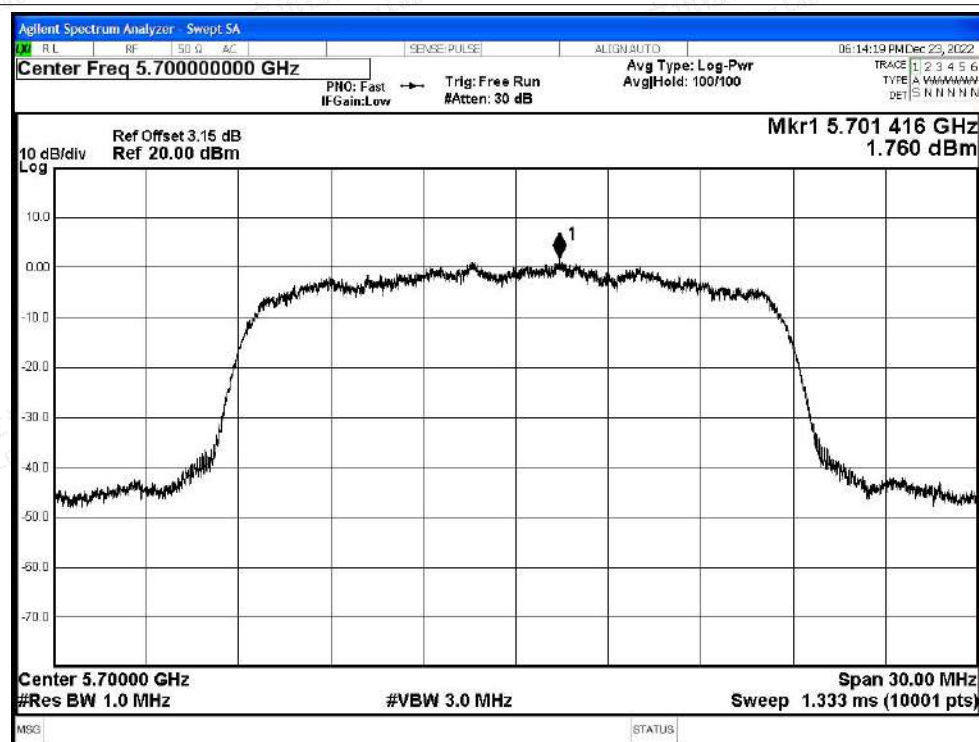


PSD NVNT a 5580MHz Ant1

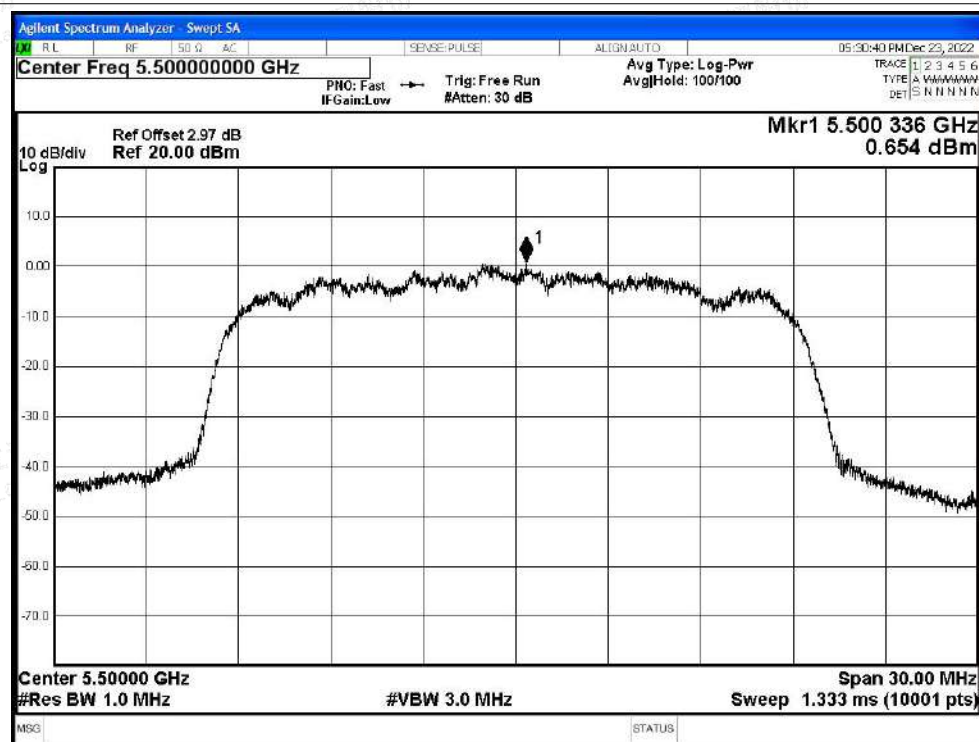




PSD NVNT a 5700MHz Ant1



PSD NVNT n20 5500MHz Ant1

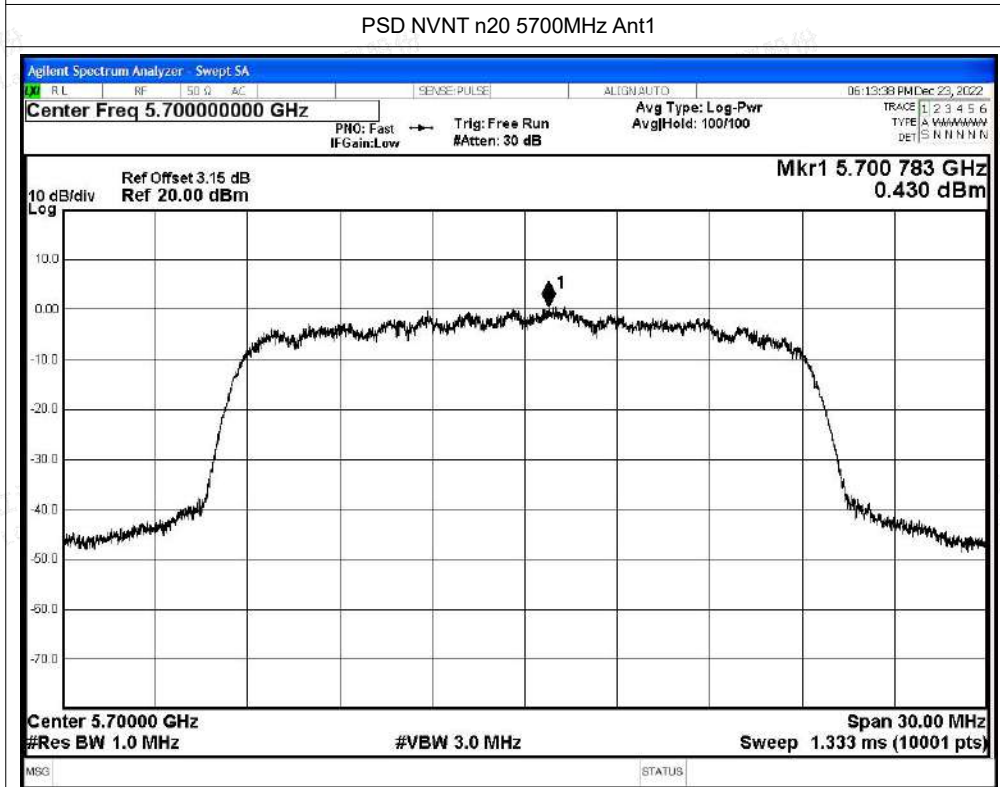
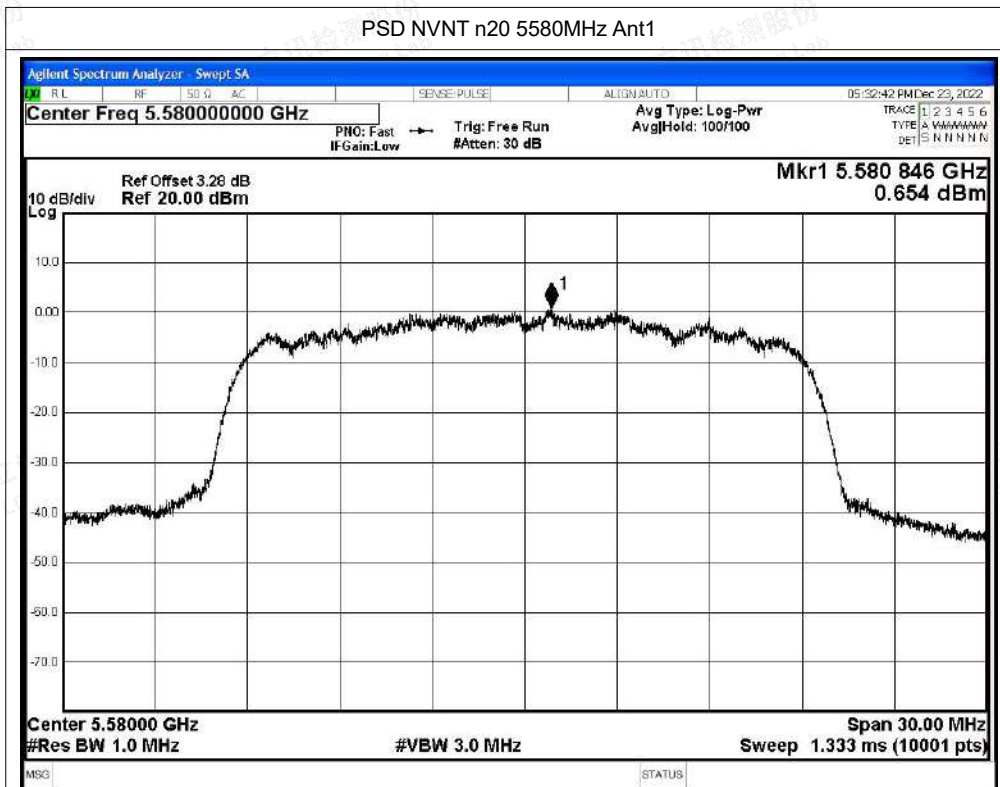


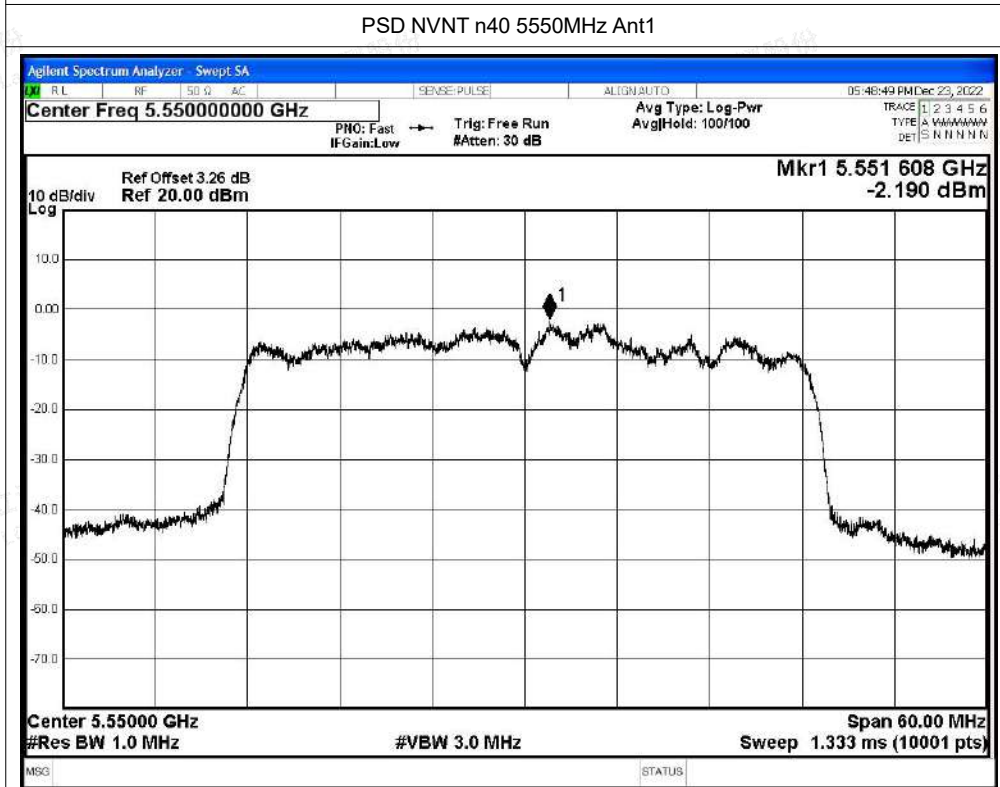
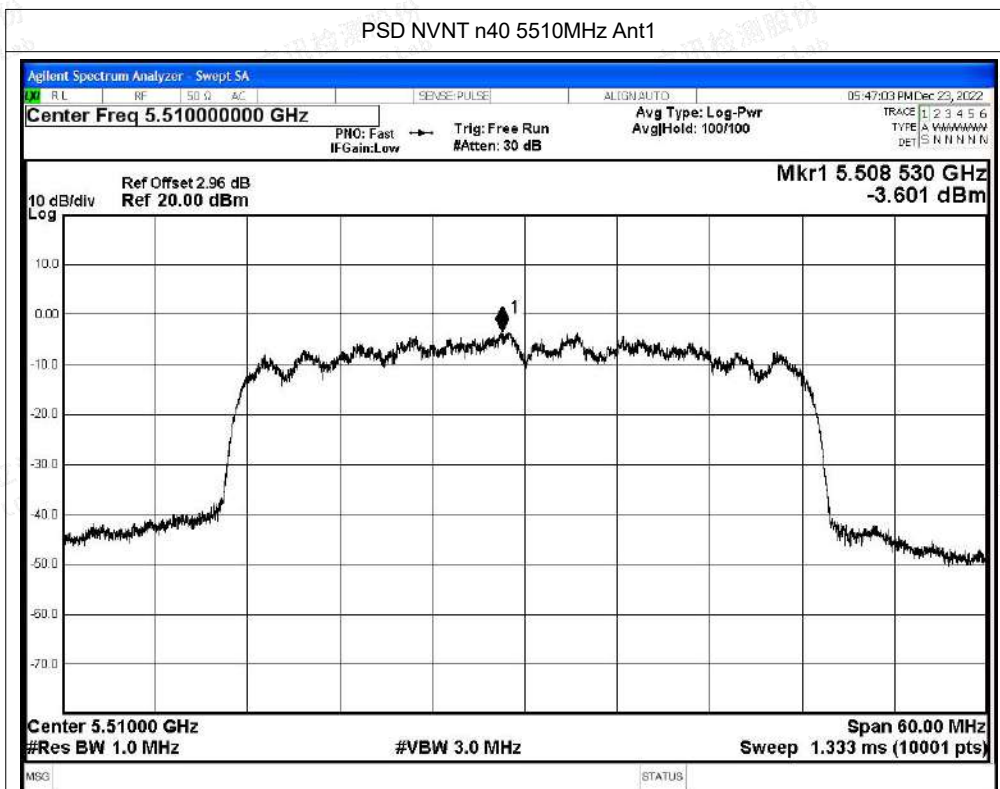
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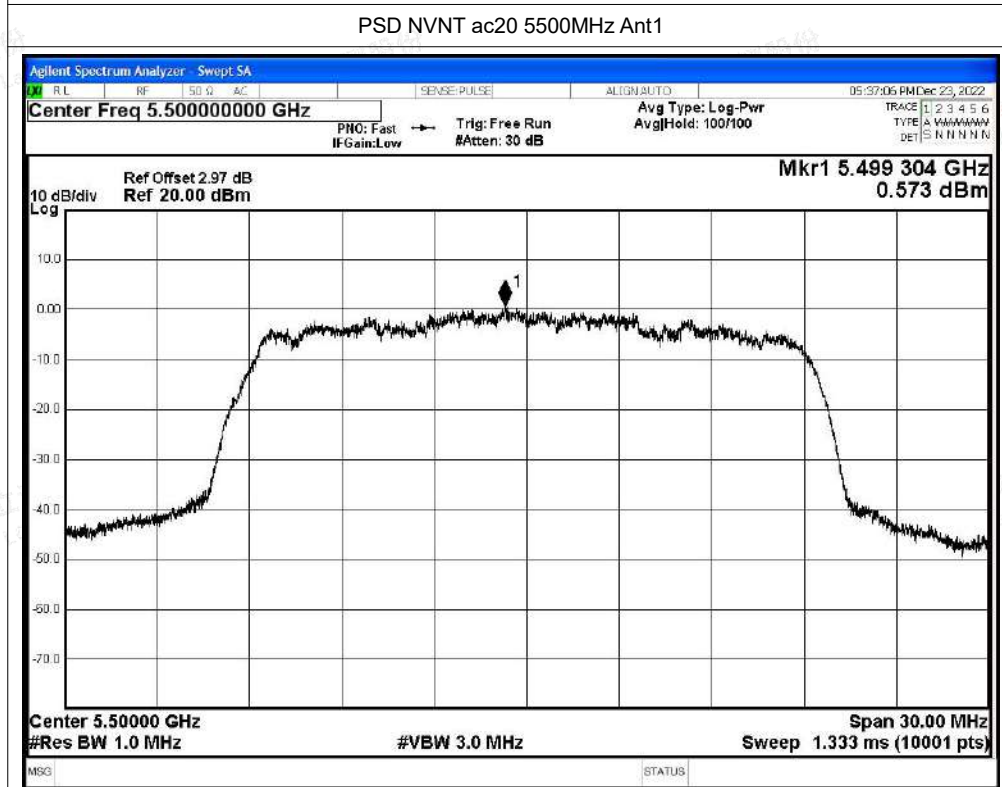
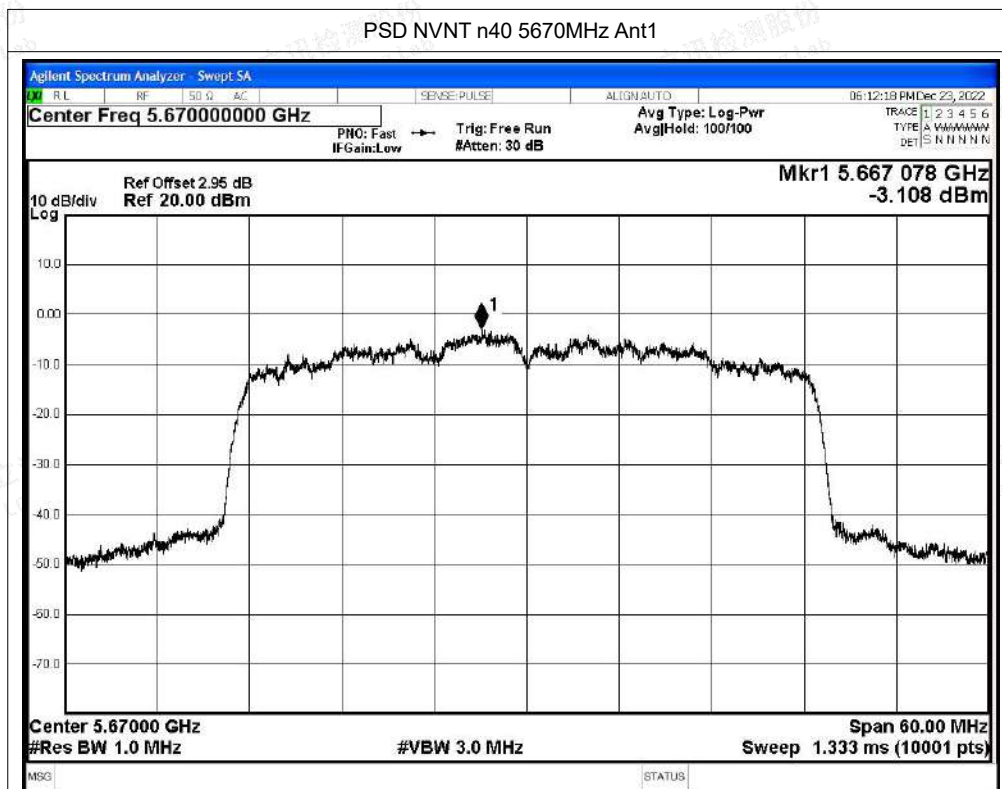
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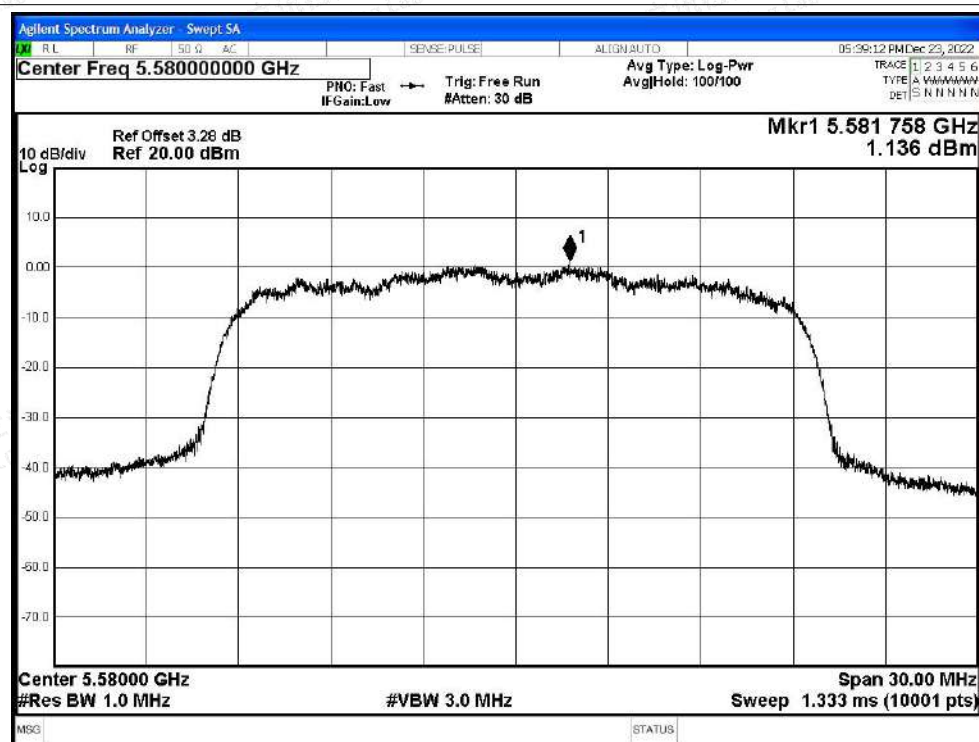




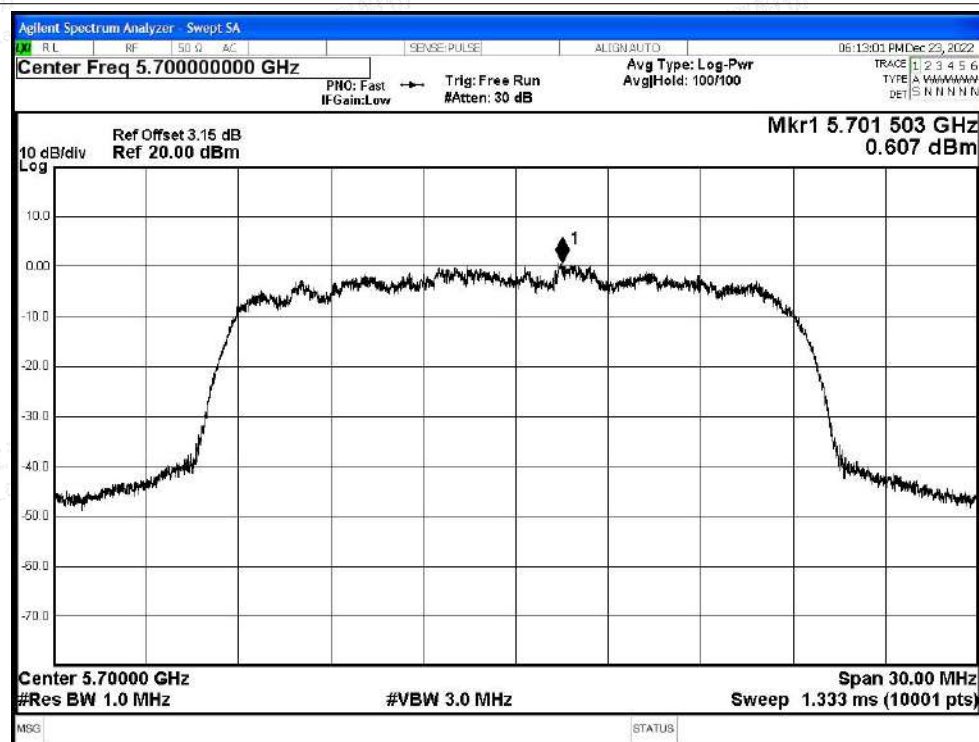




PSD NVNT ac20 5580MHz Ant1

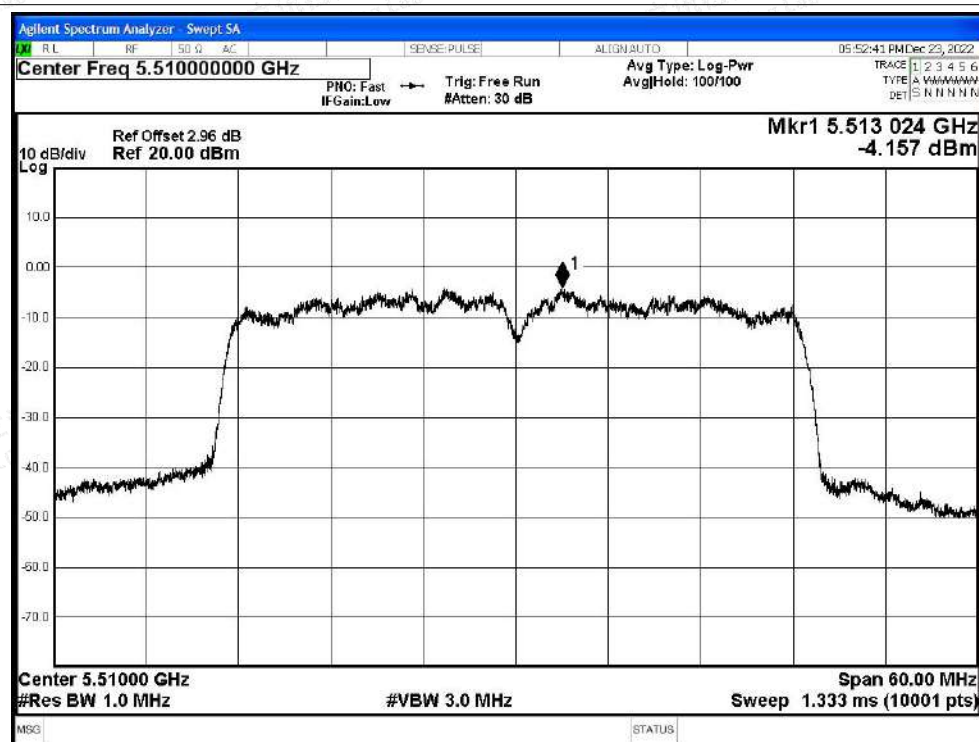


PSD NVNT ac20 5700MHz Ant1

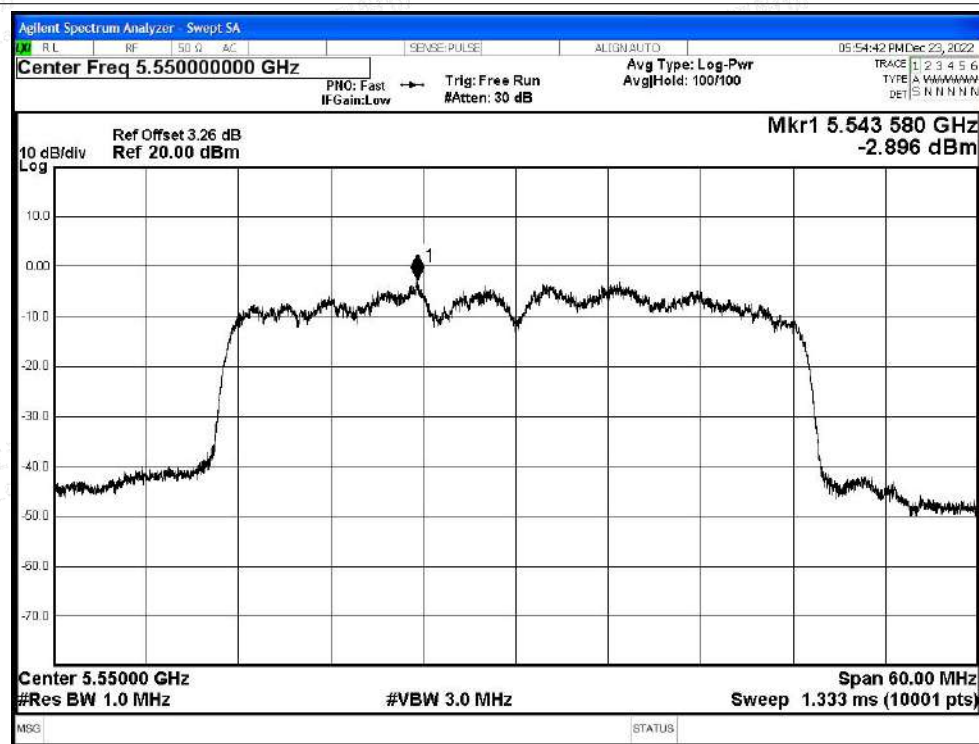




PSD NVNT ac40 5510MHz Ant1



PSD NVNT ac40 5550MHz Ant1



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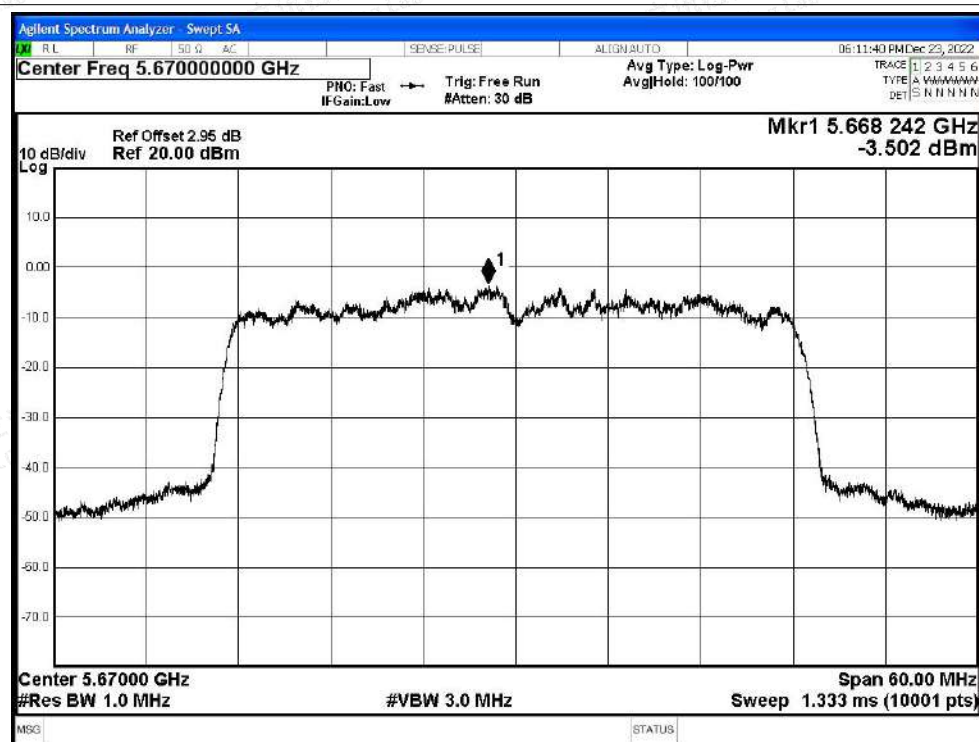
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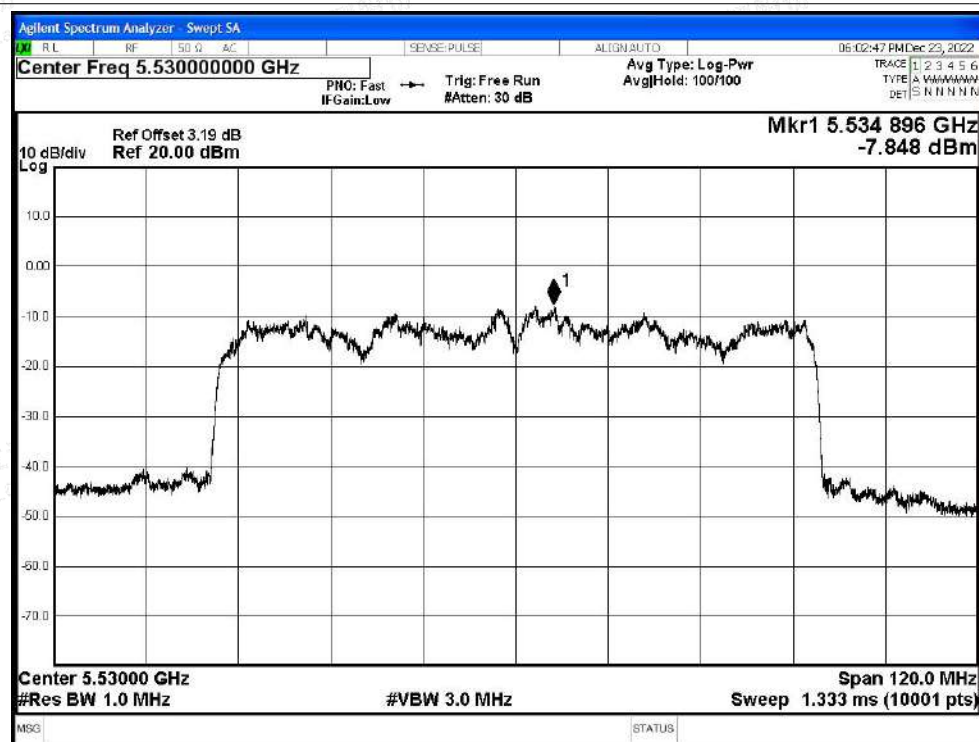
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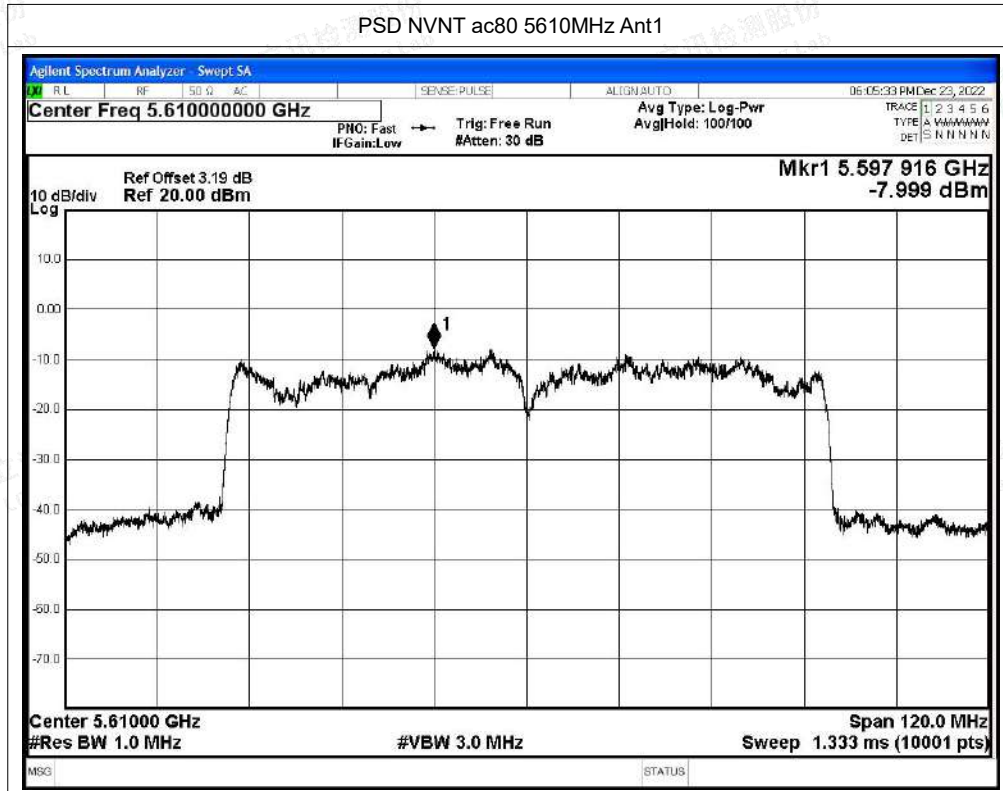


PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac80 5530MHz Ant1







F.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	-46.4	2	50.83	Peak	68.2	Pass
NVNT	a	5500	Ant1	5460	-54.9	2	42.33	Average	54	Pass
NVNT	a	5500	Ant1	5469.2	-41.95	2	55.28	Peak	68.2	Pass
NVNT	a	5500	Ant1	5470	-53.94	2	43.29	Average	54	Pass
NVNT	a	5500	Ant1	5470	-44.64	2	52.59	Peak	68.2	Pass
NVNT	a	5700	Ant1	5725	-40.24	2	56.99	Peak	68.2	Pass
NVNT	a	5700	Ant1	5725	-51.54	2	45.69	Average	54	Pass
NVNT	a	5700	Ant1	5726.8	-37.75	2	59.48	Peak	68.2	Pass
NVNT	a	5700	Ant1	5735	-42.57	2	54.66	Peak	68.2	Pass
NVNT	a	5700	Ant1	5735	-53.83	2	43.4	Average	54	Pass
NVNT	n20	5500	Ant1	5460	-44.43	2	52.8	Peak	68.2	Pass
NVNT	n20	5500	Ant1	5460	-54.86	2	42.37	Average	54	Pass
NVNT	n20	5500	Ant1	5465.2	-40.45	2	56.78	Peak	68.2	Pass
NVNT	n20	5500	Ant1	5470	-53.53	2	43.7	Average	54	Pass
NVNT	n20	5500	Ant1	5470	-44.58	2	52.65	Peak	68.2	Pass
NVNT	n20	5700	Ant1	5725	-30.18	2	67.05	Peak	68.2	Pass
NVNT	n20	5700	Ant1	5725	-51.28	2	45.95	Average	54	Pass
NVNT	n20	5700	Ant1	5725.2	-51.22	2	46.01	Average	54	Pass
NVNT	n20	5700	Ant1	5735	-43.19	2	54.04	Peak	68.2	Pass
NVNT	n20	5700	Ant1	5735	-53.58	2	43.65	Average	54	Pass
NVNT	n40	5510	Ant1	5460	-42.52	2	54.71	Peak	68.2	Pass
NVNT	n40	5510	Ant1	5460	-51.46	2	45.77	Average	54	Pass
NVNT	n40	5510	Ant1	5469.4	-31.37	2	65.86	Peak	68.2	Pass
NVNT	n40	5510	Ant1	5470	-46.94	2	50.29	Average	54	Pass
NVNT	n40	5510	Ant1	5470	-36.8	2	60.43	Peak	68.2	Pass
NVNT	n40	5670	Ant1	5725	-44.61	2	52.62	Peak	68.2	Pass
NVNT	n40	5670	Ant1	5725	-53.91	2	43.32	Average	54	Pass
NVNT	n40	5670	Ant1	5726.6	-39.01	2	58.22	Peak	68.2	Pass
NVNT	n40	5670	Ant1	5735	-44.26	2	52.97	Peak	68.2	Pass
NVNT	n40	5670	Ant1	5735	-54.89	2	42.34	Average	54	Pass
NVNT	ac20	5500	Ant1	5460	-45.86	2	51.37	Peak	68.2	Pass
NVNT	ac20	5500	Ant1	5460	-54.66	2	42.57	Average	54	Pass
NVNT	ac20	5500	Ant1	5464.2	-41.93	2	55.3	Peak	68.2	Pass
NVNT	ac20	5500	Ant1	5469.8	-53.61	2	43.62	Average	54	Pass
NVNT	ac20	5500	Ant1	5470	-44.45	2	52.78	Peak	68.2	Pass
NVNT	ac20	5500	Ant1	5470	-53.63	2	43.6	Average	54	Pass
NVNT	ac20	5700	Ant1	5725	-36.87	2	60.36	Peak	68.2	Pass



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NVNT	ac20	5700	Ant1	5725	-51.16	2	46.07	Average	54	Pass
NVNT	ac20	5700	Ant1	5735	-42.77	2	54.46	Peak	68.2	Pass
NVNT	ac20	5700	Ant1	5735	-53.91	2	43.32	Average	54	Pass
NVNT	ac40	5510	Ant1	5460	-39.19	2	58.04	Peak	68.2	Pass
NVNT	ac40	5510	Ant1	5460	-51.6	2	45.63	Average	54	Pass
NVNT	ac40	5510	Ant1	5469.8	-34.84	2	62.39	Peak	68.2	Pass
NVNT	ac40	5510	Ant1	5470	-47.17	2	50.06	Average	54	Pass
NVNT	ac40	5510	Ant1	5470	-37.42	2	59.81	Peak	68.2	Pass
NVNT	ac40	5670	Ant1	5725	-45.74	2	51.49	Peak	68.2	Pass
NVNT	ac40	5670	Ant1	5725	-53.91	2	43.32	Average	54	Pass
NVNT	ac40	5670	Ant1	5726.8	-42.81	2	54.42	Peak	68.2	Pass
NVNT	ac40	5670	Ant1	5725.2	-53.81	2	43.42	Average	54	Pass
NVNT	ac40	5670	Ant1	5735	-45.52	2	51.71	Peak	68.2	Pass
NVNT	ac40	5670	Ant1	5735	-54.78	2	42.45	Average	54	Pass
NVNT	ac80	5530	Ant1	5725	-49.91	2	47.32	Peak	68.2	Pass
NVNT	ac80	5530	Ant1	5725	-58.05	2	39.18	Average	54	Pass
NVNT	ac80	5530	Ant1	5727.875	-47.16	2	50.07	Peak	68.2	Pass
NVNT	ac80	5530	Ant1	5725.595	-57.41	2	39.82	Average	54	Pass
NVNT	ac80	5530	Ant1	5735	-48.75	2	48.48	Peak	68.2	Pass
NVNT	ac80	5530	Ant1	5735	-58.12	2	39.11	Average	54	Pass
NVNT	ac80	5530	Ant1	5460	-44.37	2	52.86	Peak	68.2	Pass
NVNT	ac80	5530	Ant1	5460	-53.51	2	43.72	Average	54	Pass
NVNT	ac80	5530	Ant1	5462.4	-31.79	2	65.44	Peak	68.2	Pass
NVNT	ac80	5530	Ant1	5469	-50.42	2	46.81	Average	54	Pass
NVNT	ac80	5530	Ant1	5470	-41.14	2	56.09	Peak	68.2	Pass
NVNT	ac80	5530	Ant1	5470	-50.6	2	46.63	Average	54	Pass
NVNT	ac80	5610	Ant1	5725	-40.12	2	57.11	Peak	68.2	Pass
NVNT	ac80	5610	Ant1	5725	-52.24	2	44.99	Average	54	Pass
NVNT	ac80	5610	Ant1	5728.25	-40.16	2	57.07	Peak	68.2	Pass
NVNT	ac80	5610	Ant1	5725.2	-52.24	2	44.99	Average	54	Pass
NVNT	ac80	5610	Ant1	5735	-44.94	2	52.29	Peak	68.2	Pass
NVNT	ac80	5610	Ant1	5735	-54.16	2	43.07	Average	54	Pass



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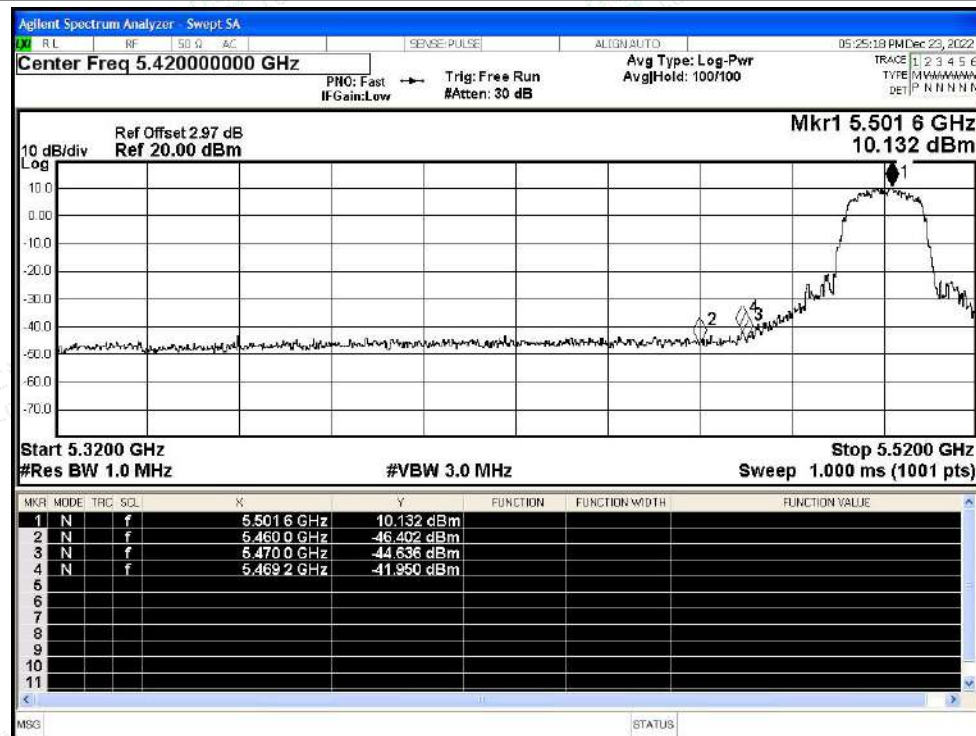
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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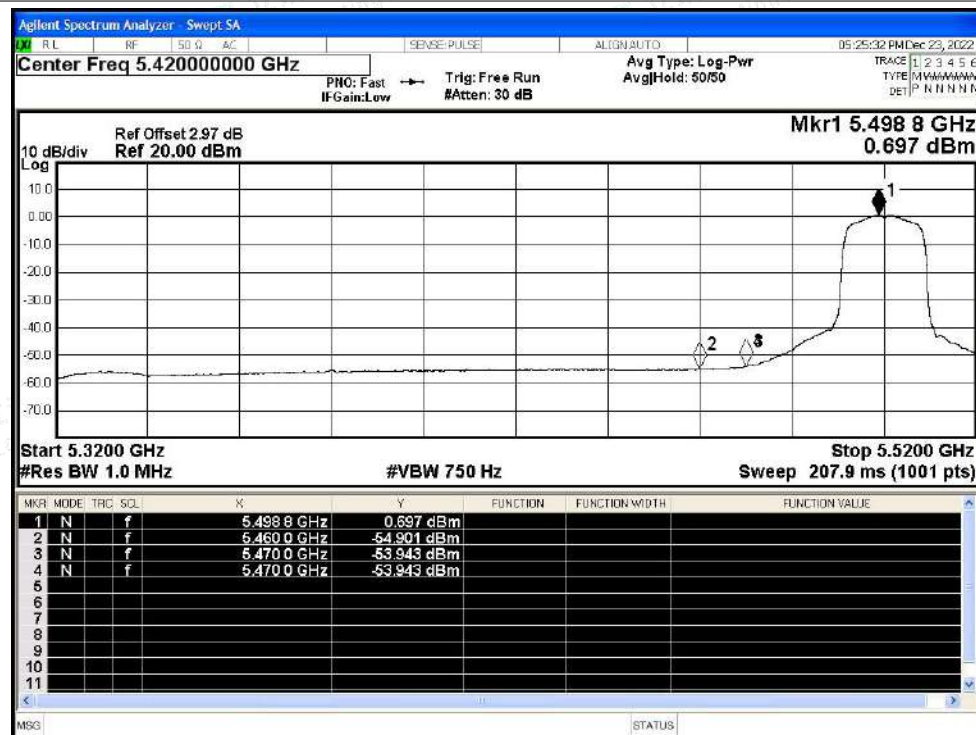


Test Graphs

Restrict Band NVNT a 5500MHz Ant1 Peak

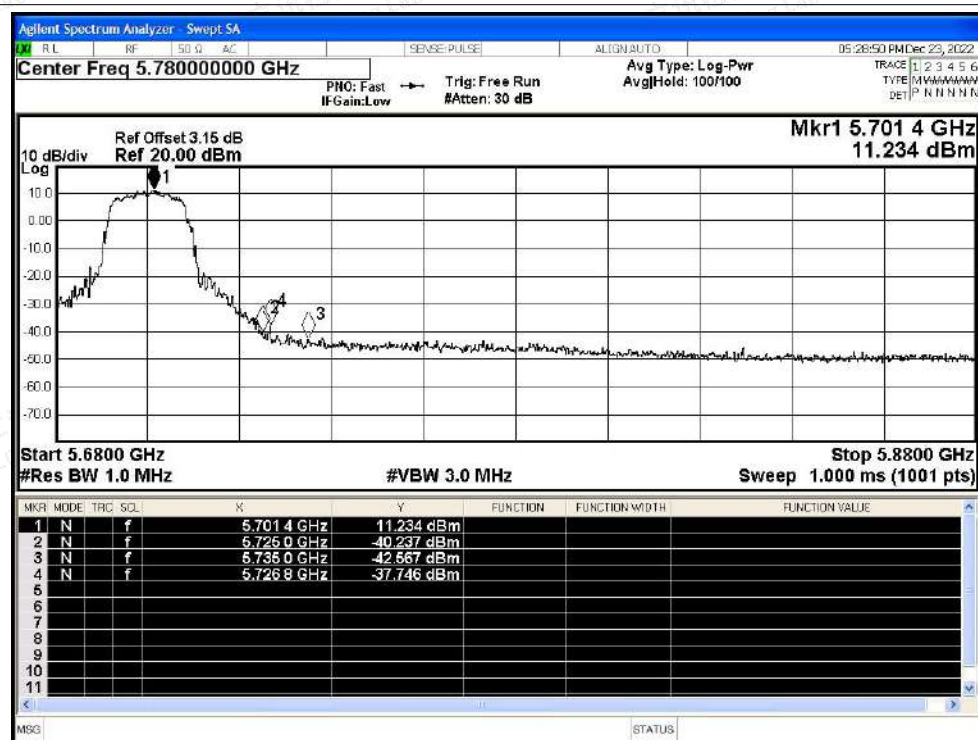


Restrict Band NVNT a 5500MHz Ant1 Average

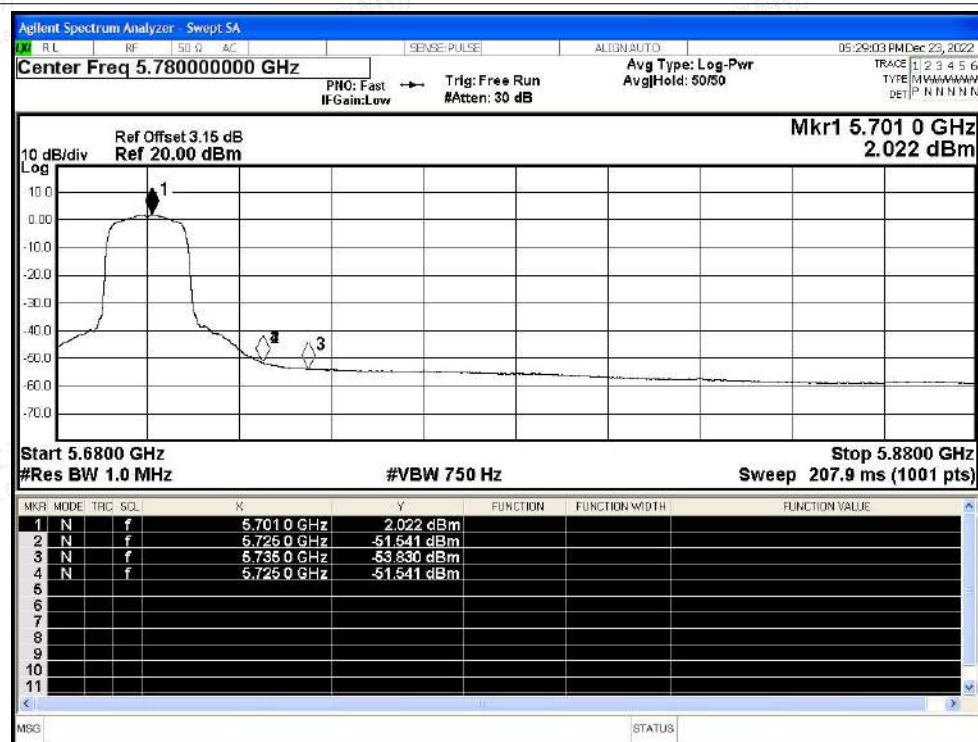




Restrict Band NVNT a 5700MHz Ant1 Peak



Restrict Band NVNT a 5700MHz Ant1 Average



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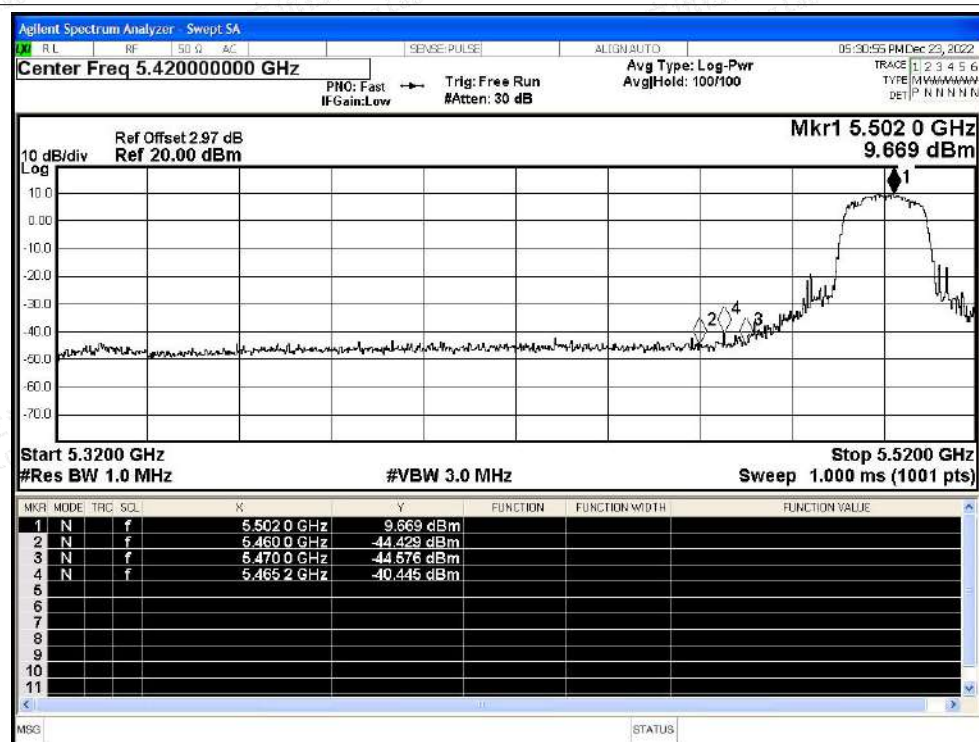
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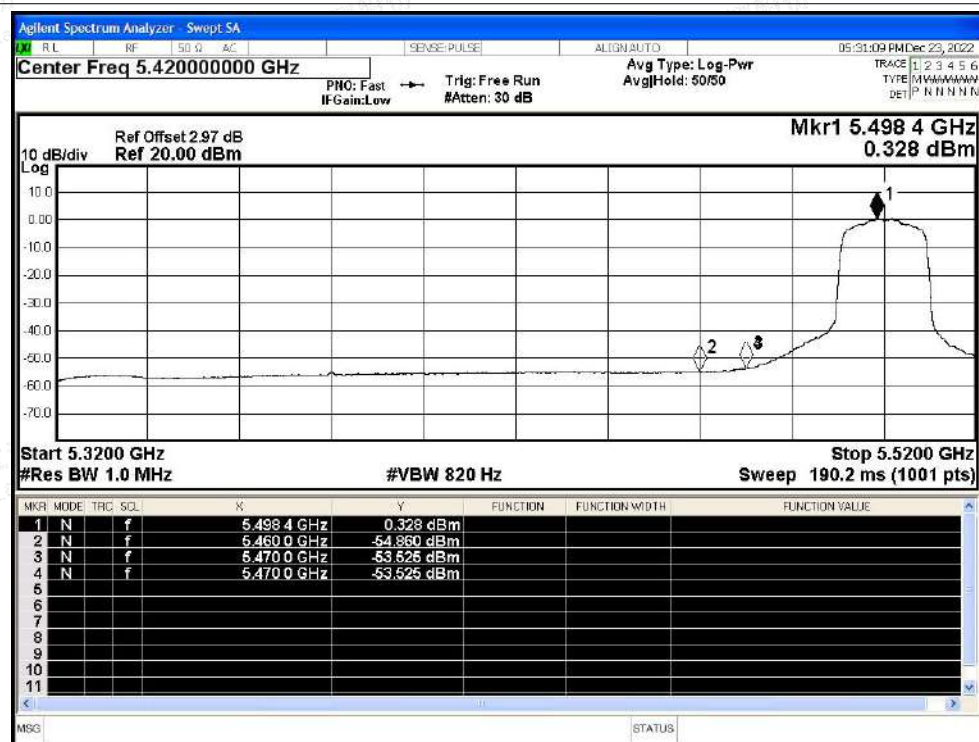
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Restrict Band NVNT n20 5500MHz Ant1 Peak



Restrict Band NVNT n20 5500MHz Ant1 Average



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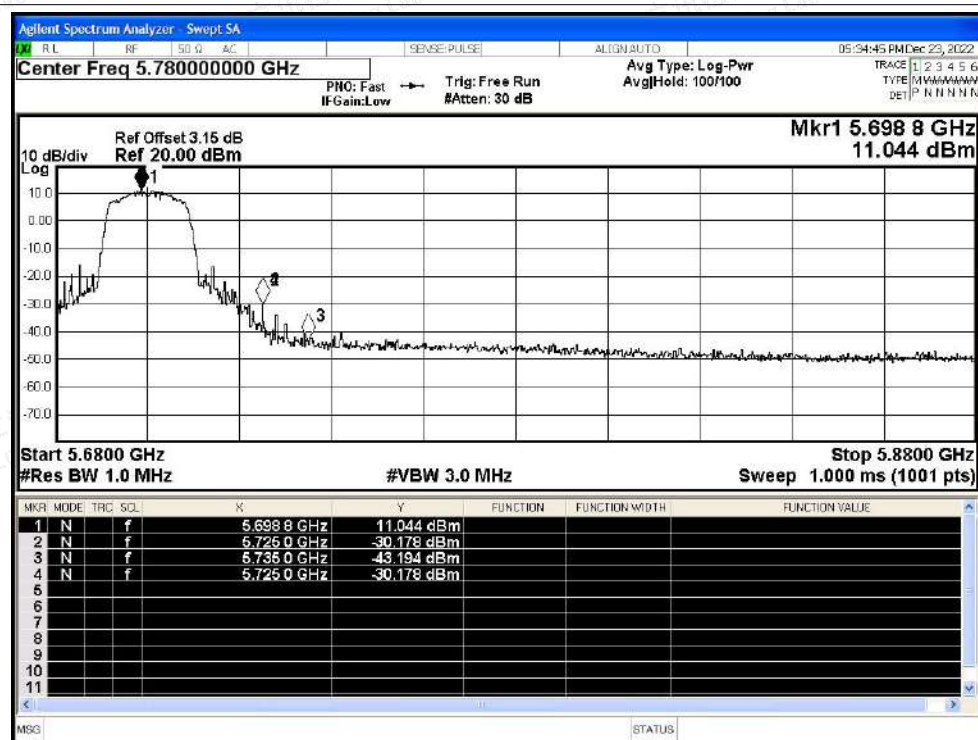
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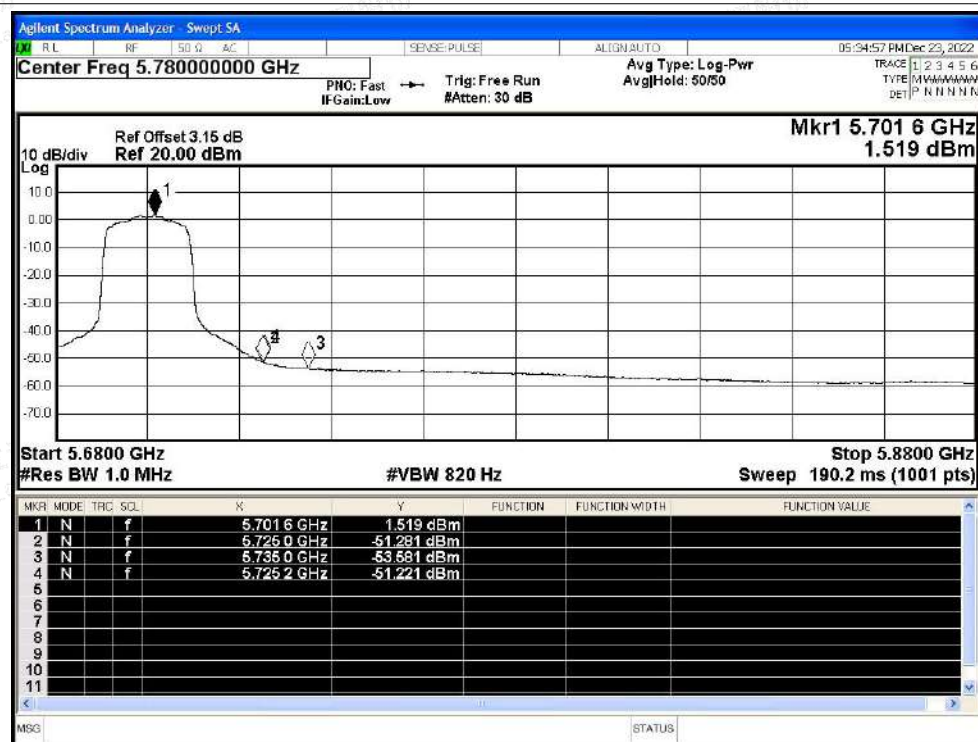
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Restrict Band NVNT n20 5700MHz Ant1 Peak



Restrict Band NVNT n20 5700MHz Ant1 Average



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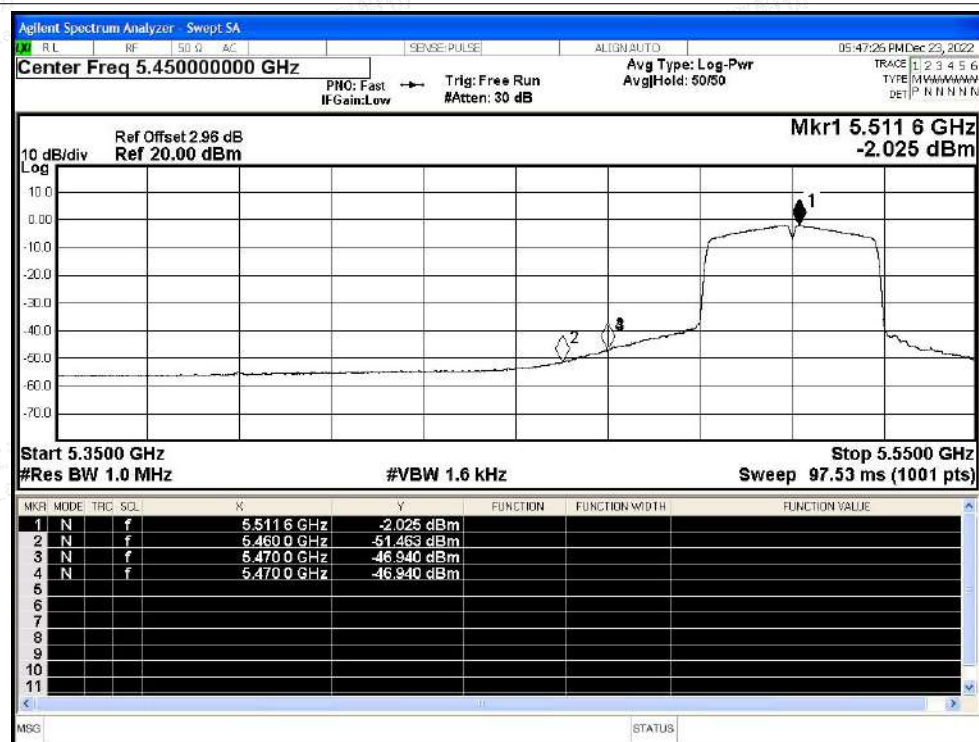
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Restrict Band NVNT n40 5510MHz Ant1 Peak

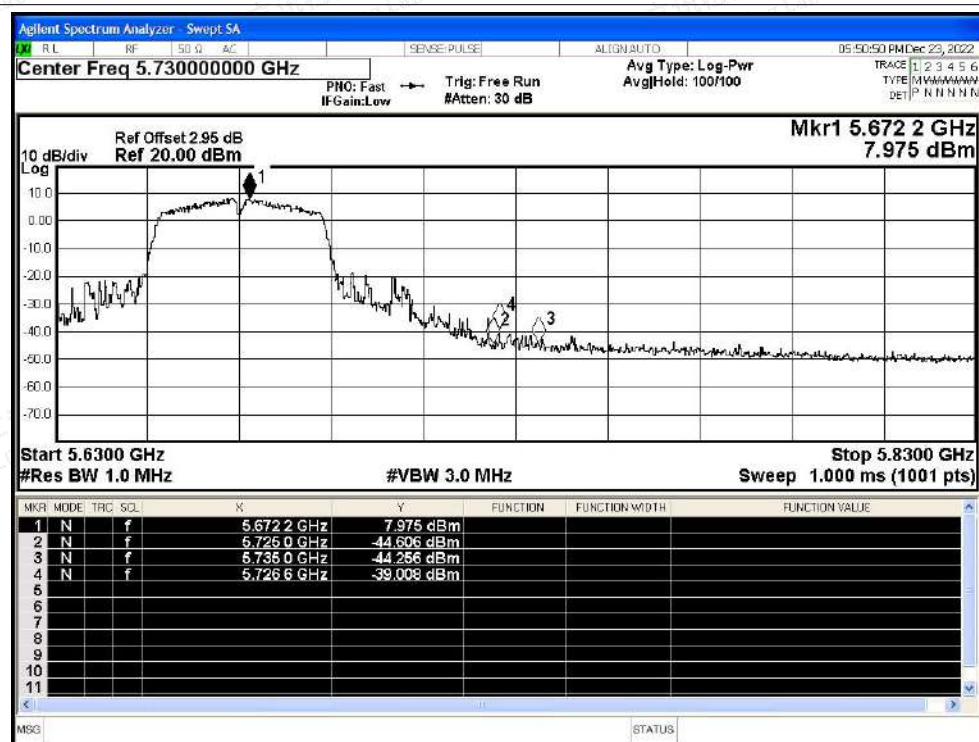


Restrict Band NVNT n40 5510MHz Ant1 Average

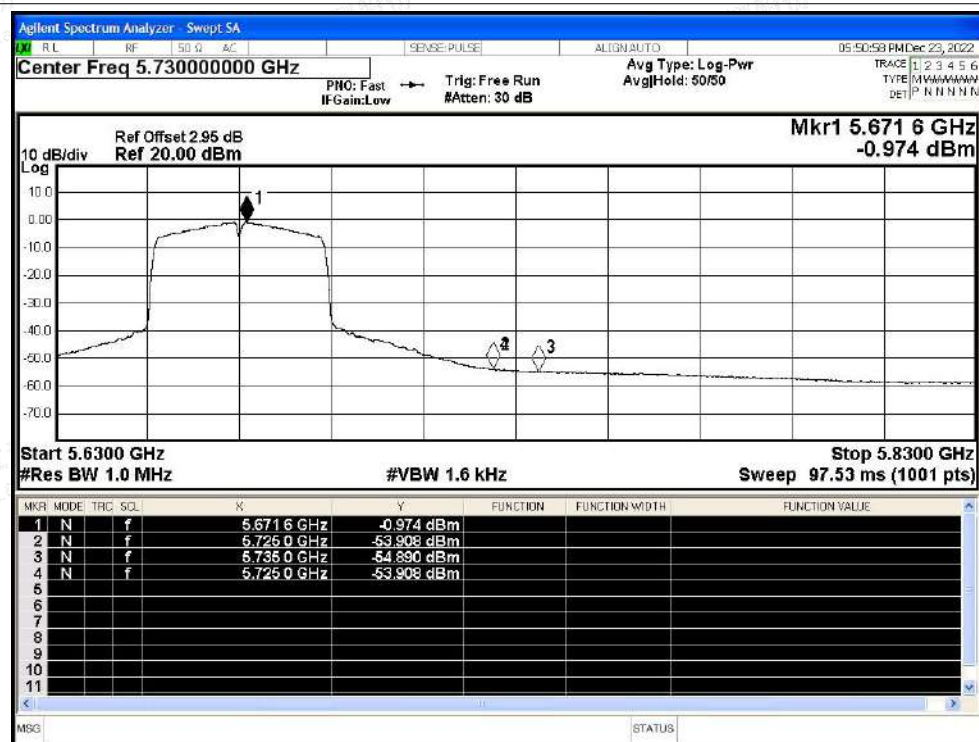




Restrict Band NVNT n40 5670MHz Ant1 Peak



Restrict Band NVNT n40 5670MHz Ant1 Average

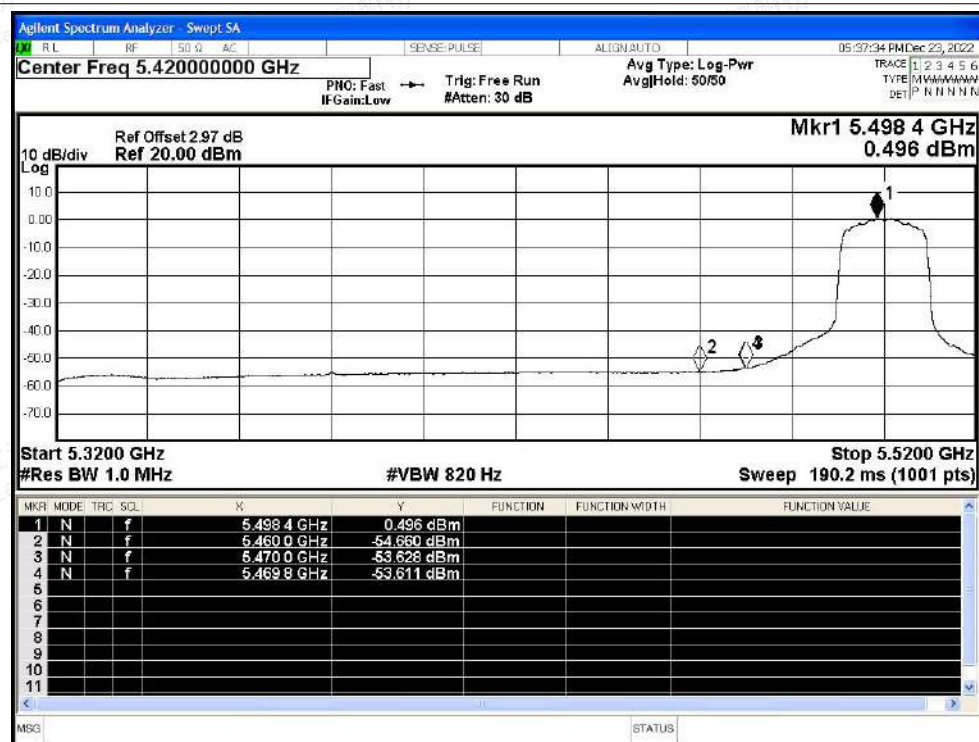




Restrict Band NVNT ac20 5500MHz Ant1 Peak

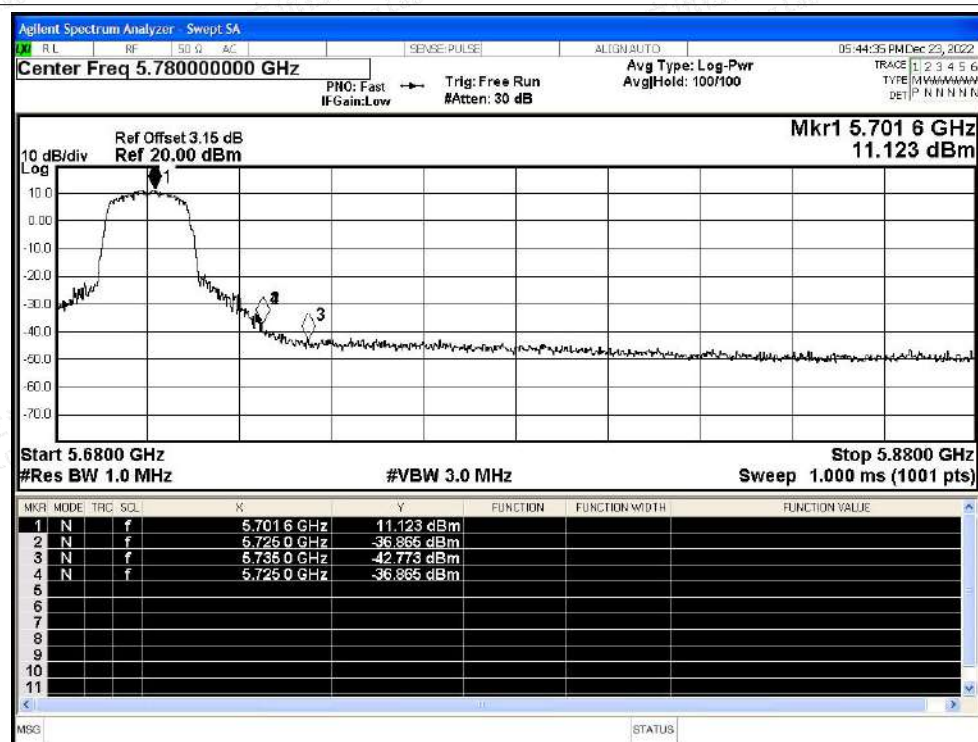


Restrict Band NVNT ac20 5500MHz Ant1 Average

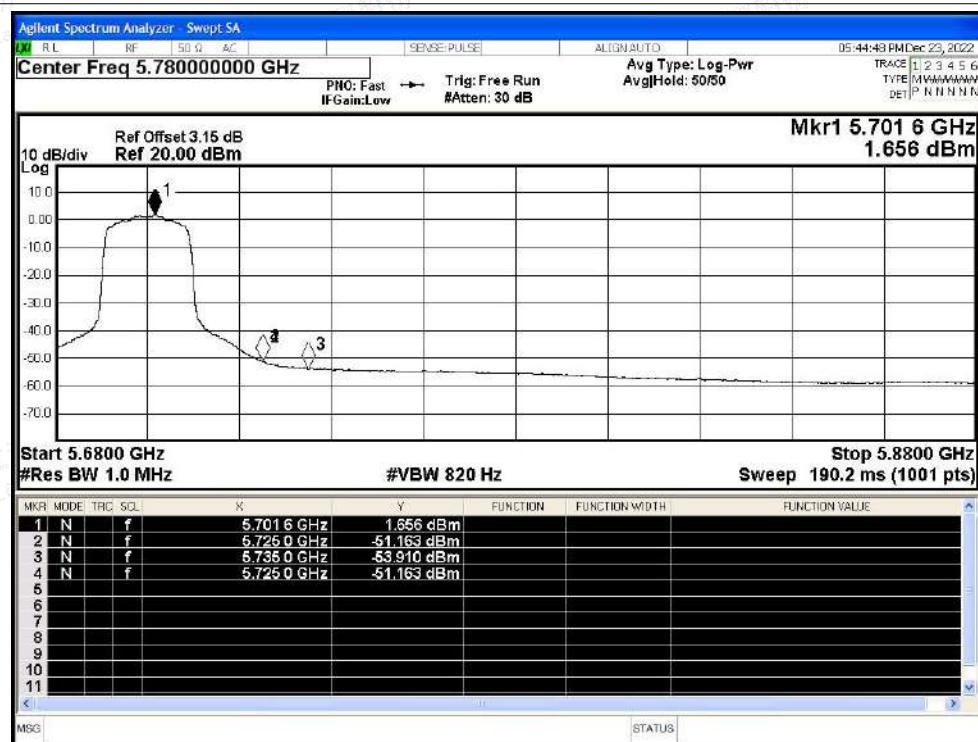




Restrict Band NVNT ac20 5700MHz Ant1 Peak

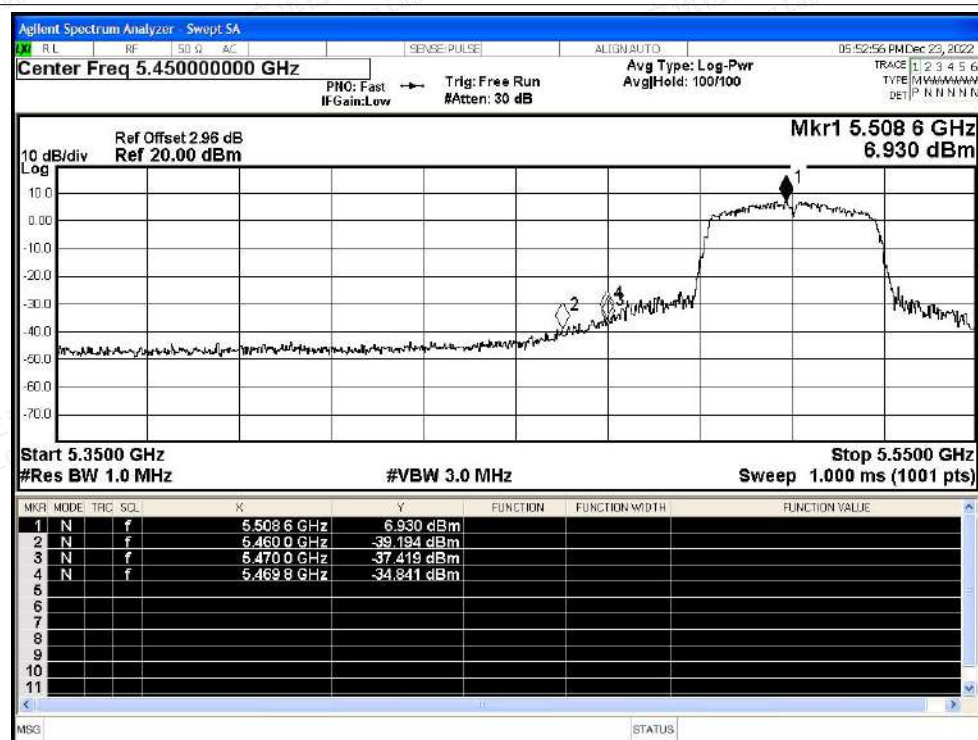


Restrict Band NVNT ac20 5700MHz Ant1 Average

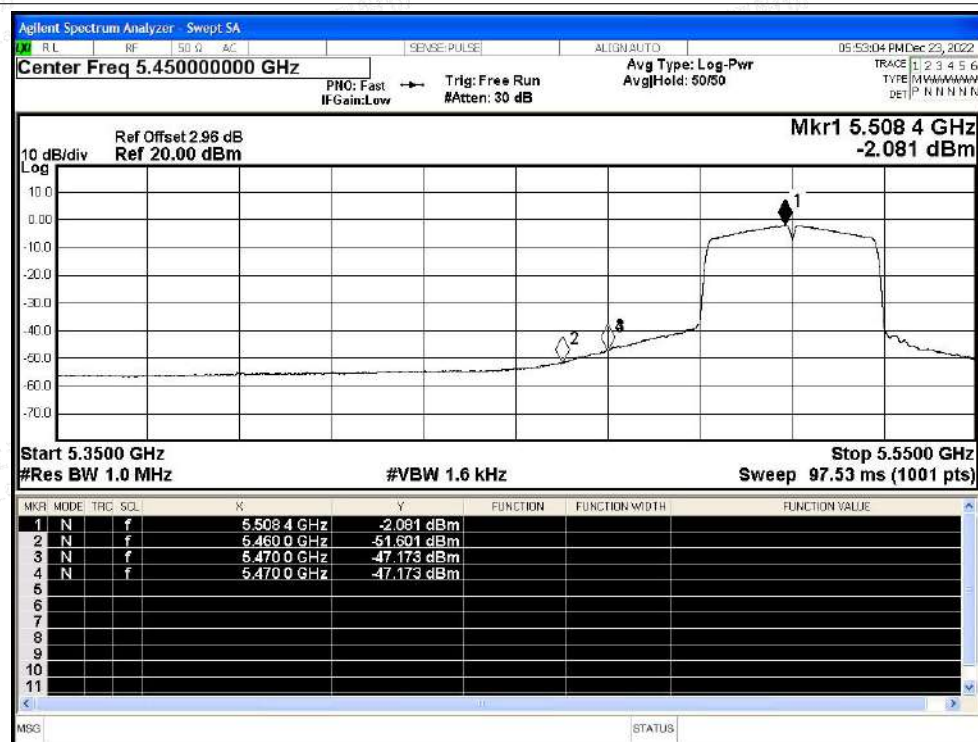




Restrict Band NVNT ac40 5510MHz Ant1 Peak



Restrict Band NVNT ac40 5510MHz Ant1 Average



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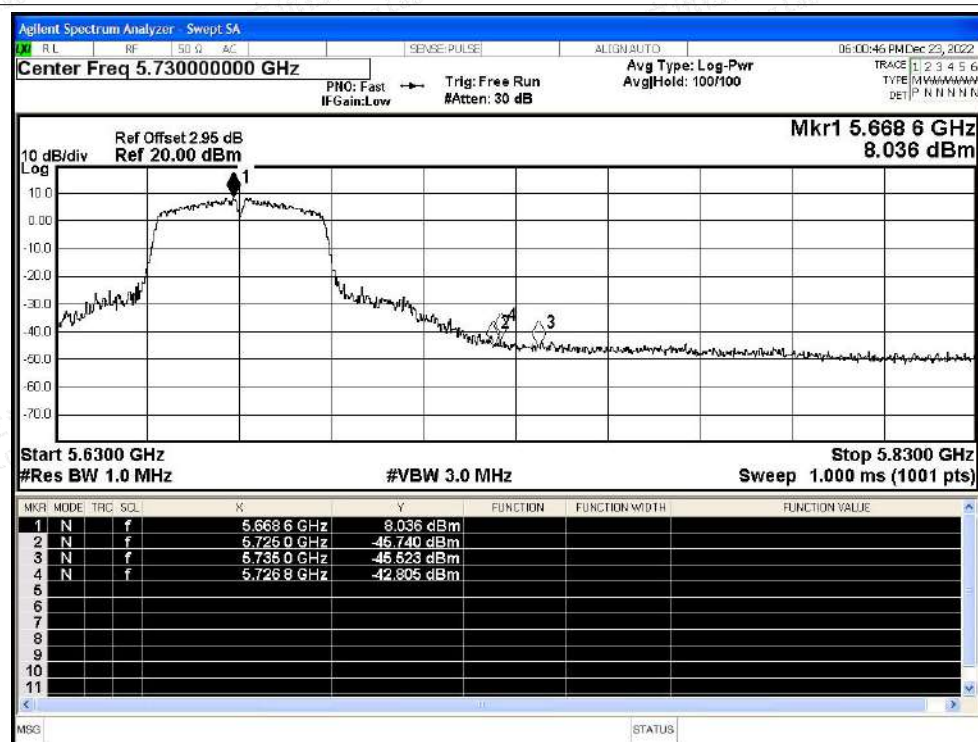
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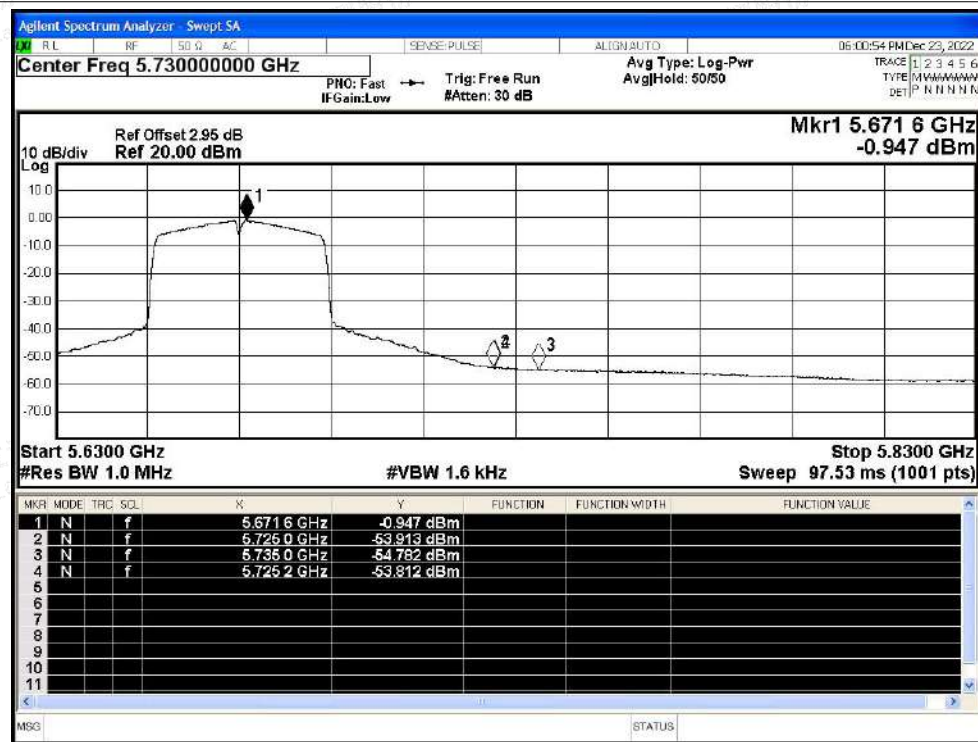
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Restrict Band NVNT ac40 5670MHz Ant1 Peak

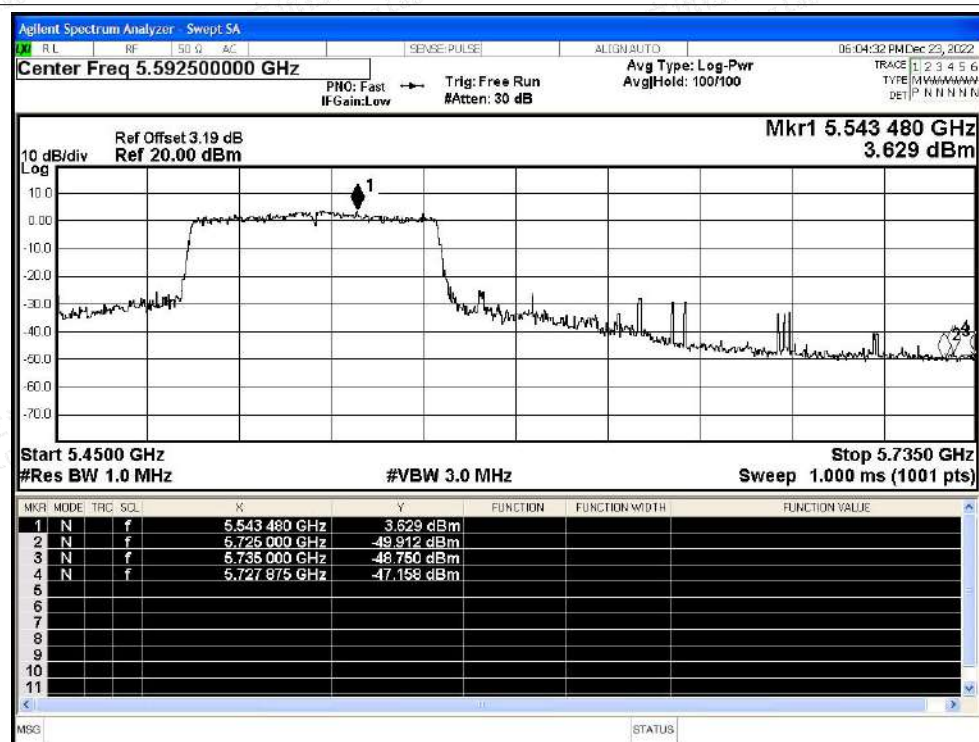


Restrict Band NVNT ac40 5670MHz Ant1 Average

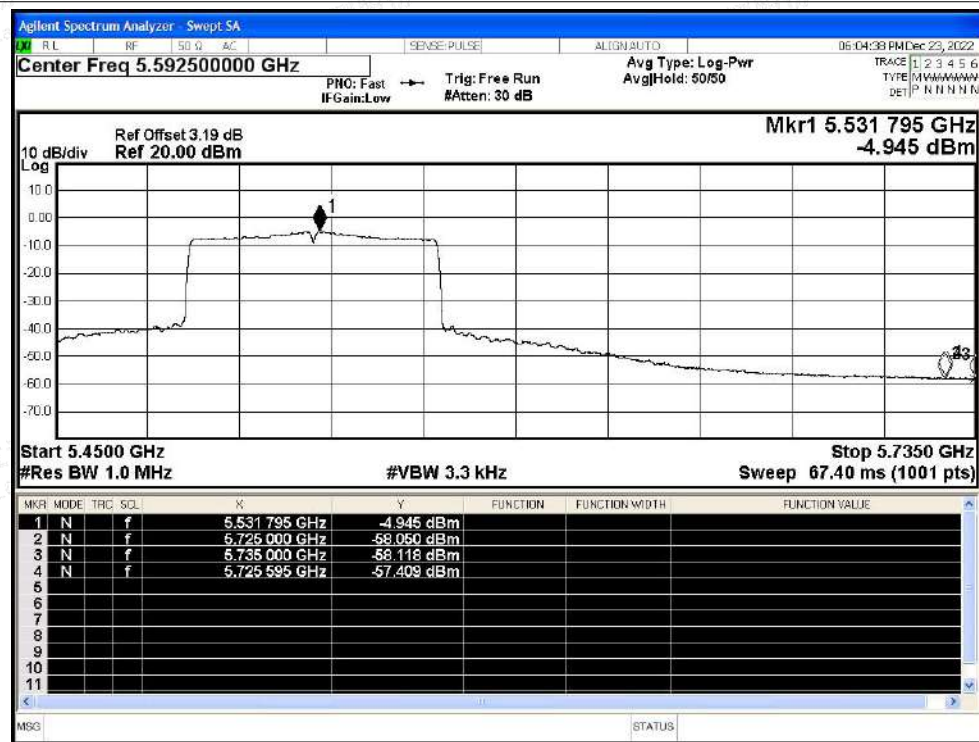




Restrict Band NVNT ac80 5530MHz Ant1 Peak

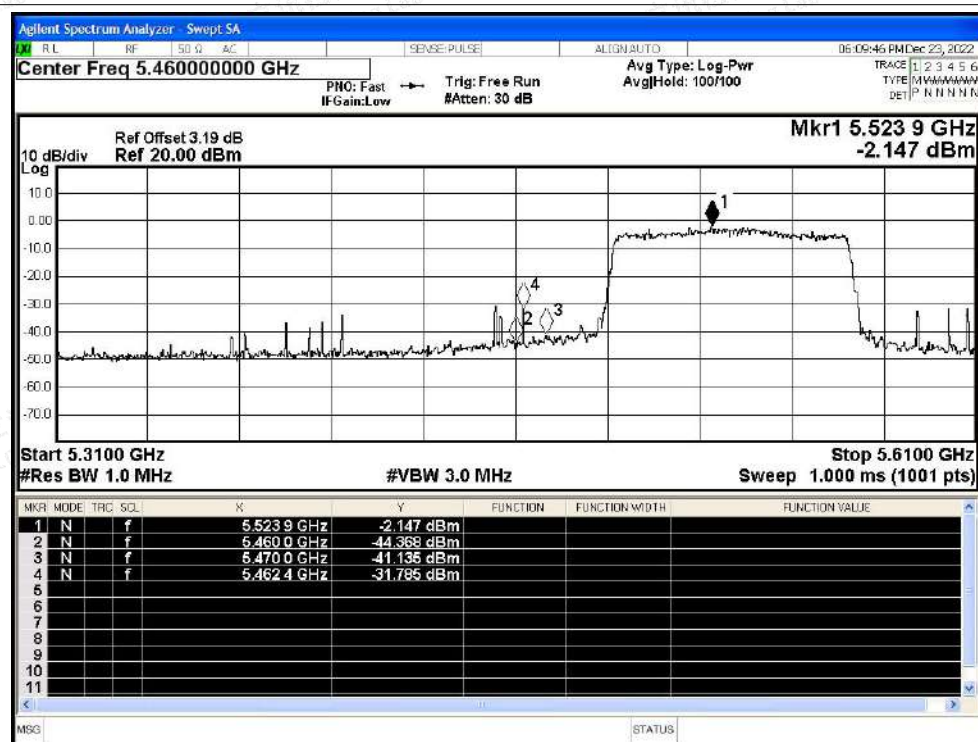


Restrict Band NVNT ac80 5530MHz Ant1 Average

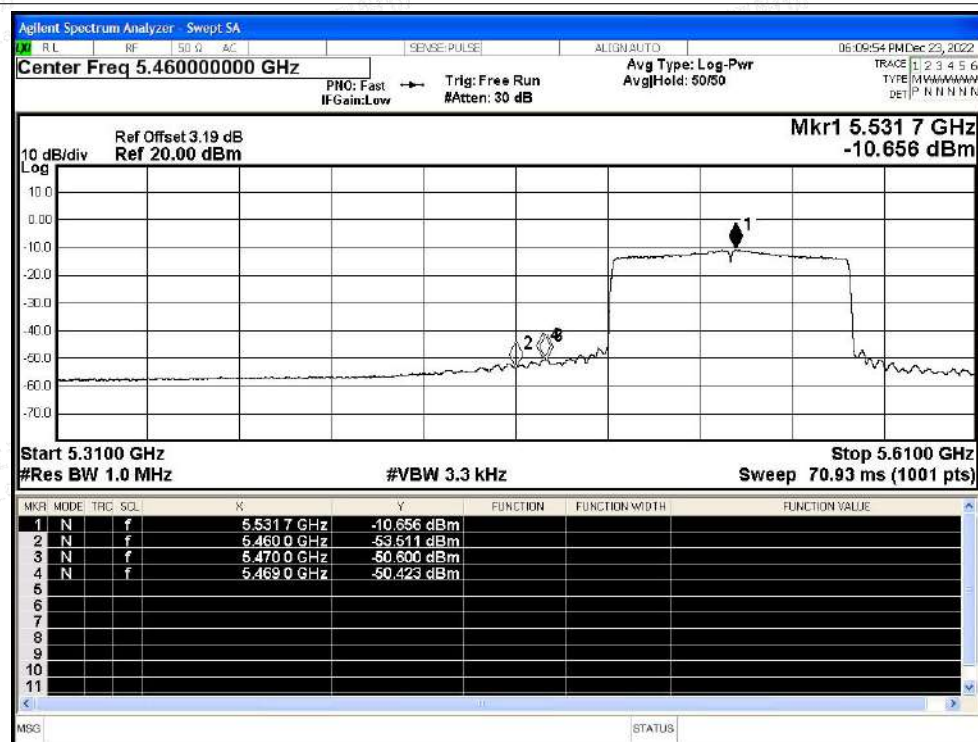




Restrict Band NVNT ac80 5530MHz Ant1 Peak



Restrict Band NVNT ac80 5530MHz Ant1 Average



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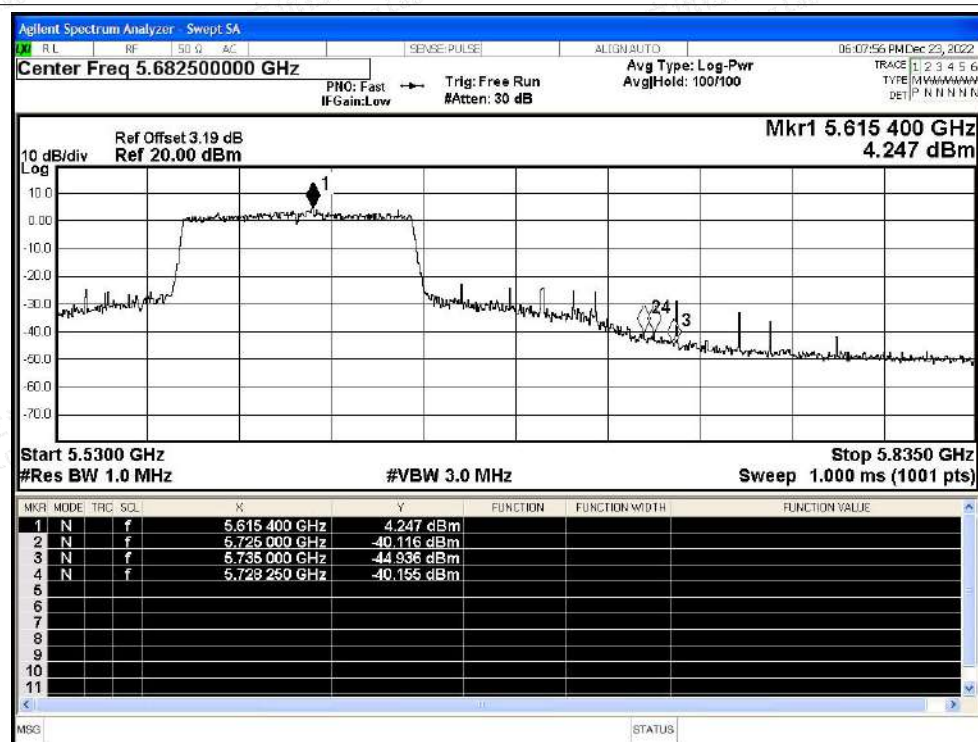
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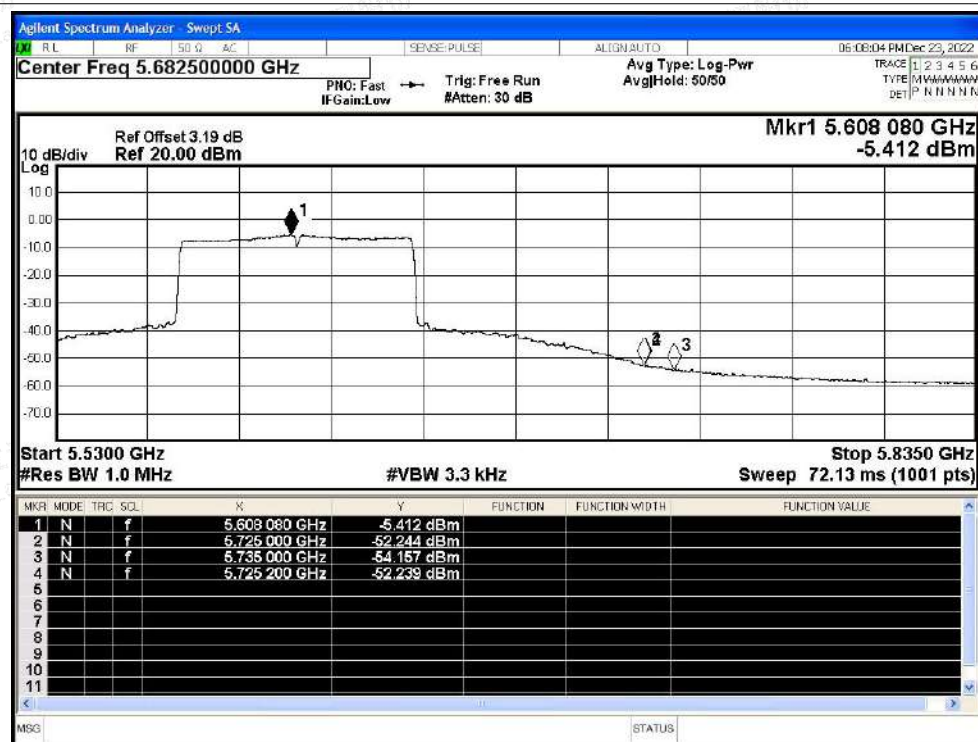
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Restrict Band NVNT ac80 5610MHz Ant1 Peak



Restrict Band NVNT ac80 5610MHz Ant1 Average



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F.5 Frequency Stability

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	0	0	25	Pass
NVNT	ac20	5700	Ant1	5700.02	20000	3.51	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	5670.04	40000	7.05	25	Pass
NVNT	ac80	5530	Ant1	5530	0	0	25	Pass
NVNT	ac80	5610	Ant1	5610	0	0	25	Pass

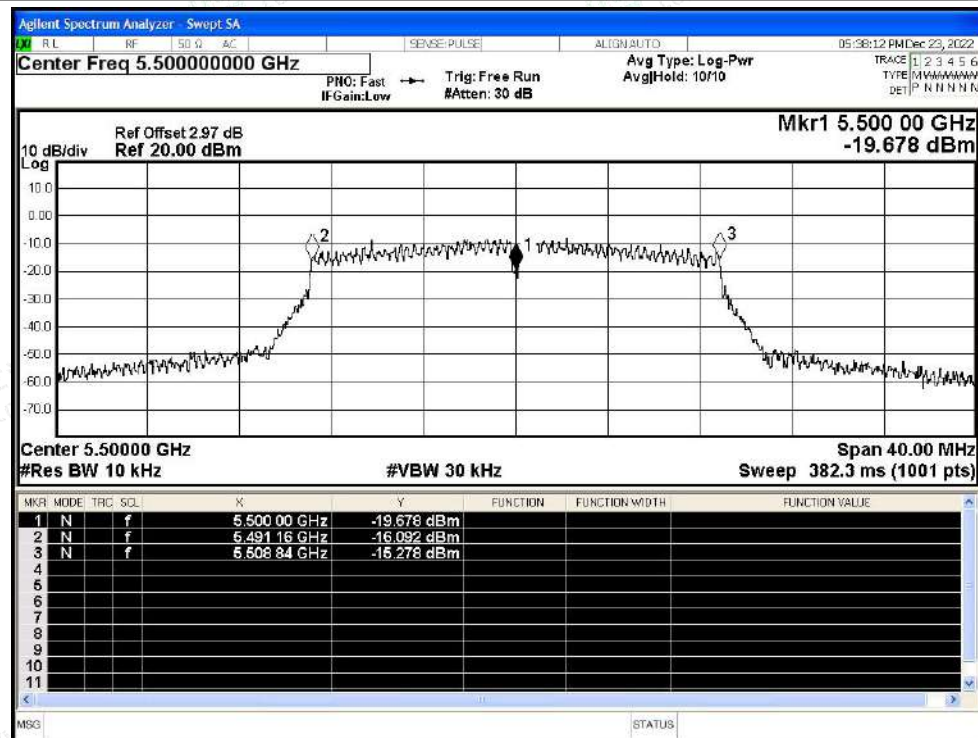


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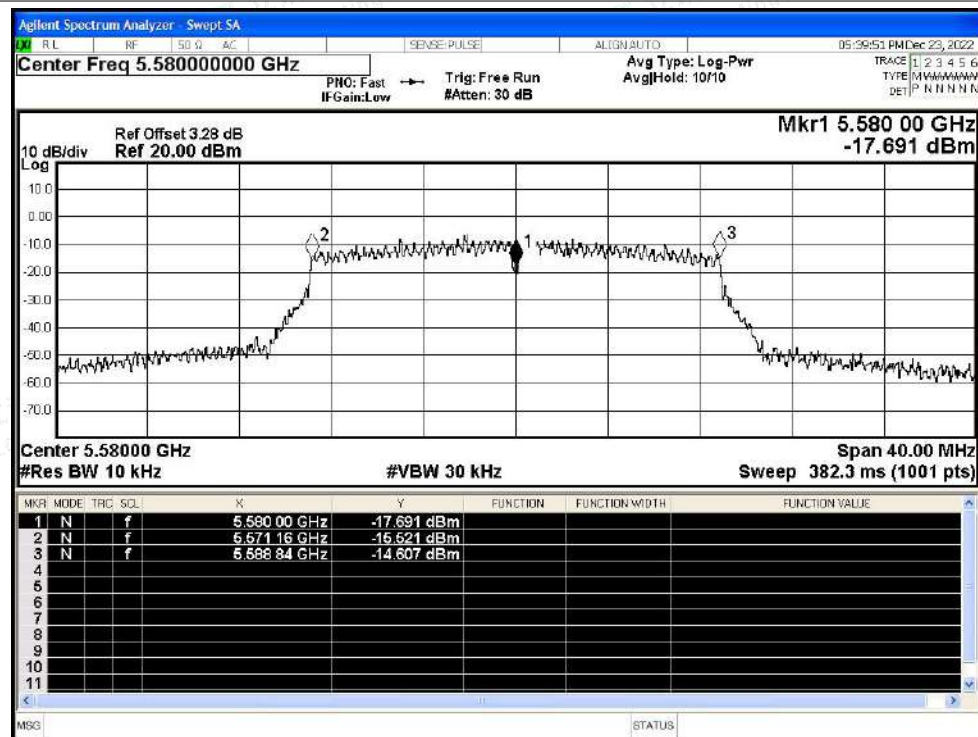


Test Graphs

Freq. Stability NVNT ac20 5500MHz Ant1



Freq. Stability NVNT ac20 5580MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

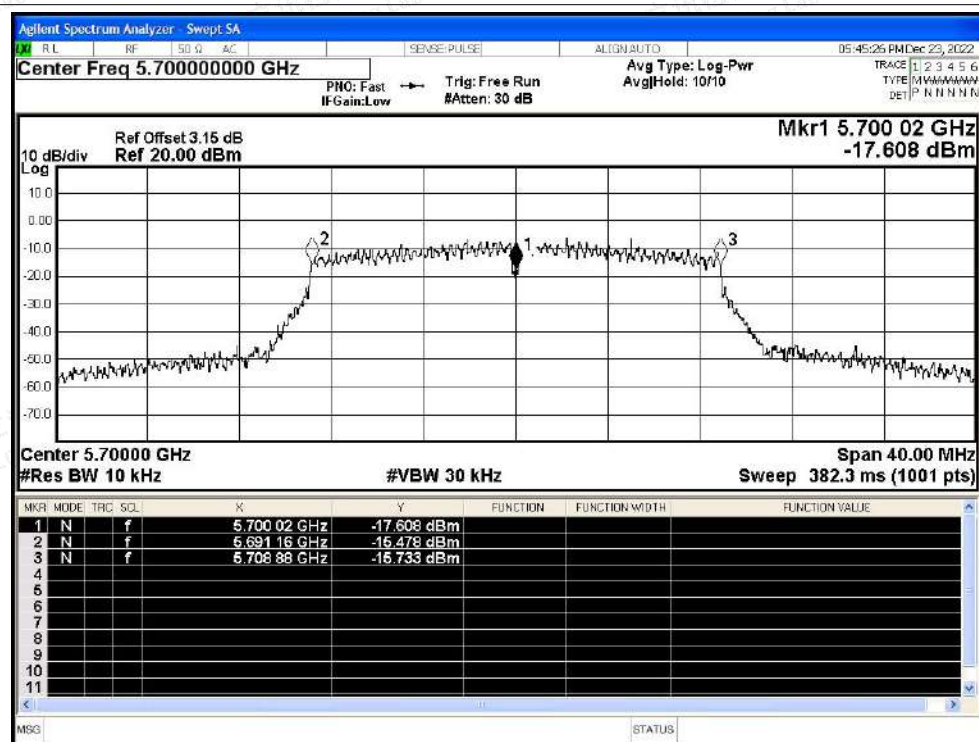
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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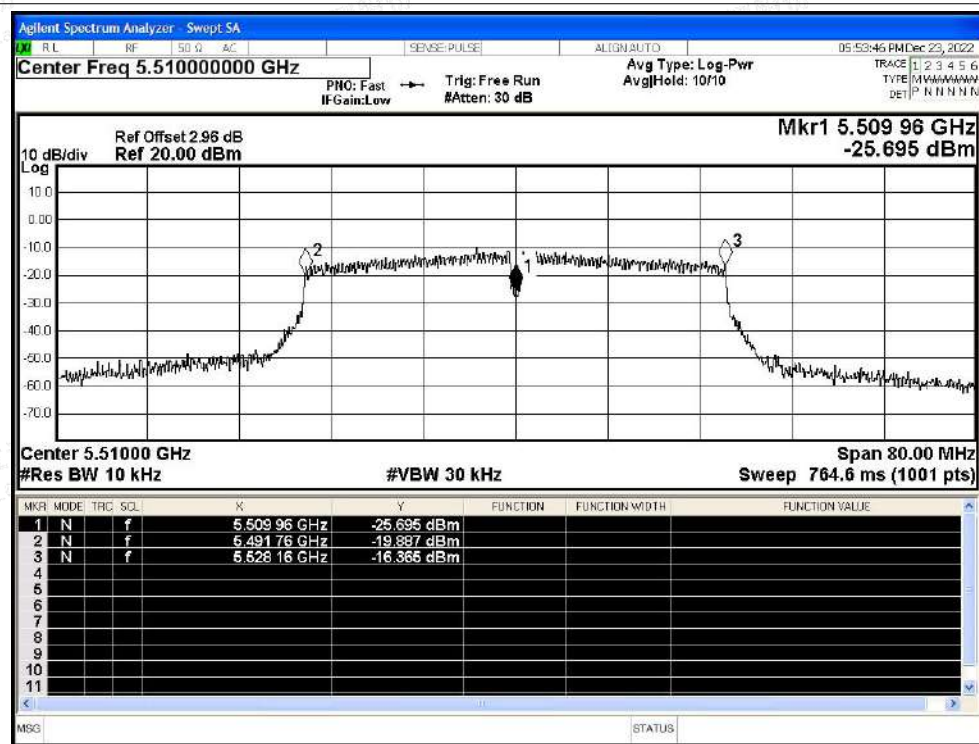
Scan code to check authenticity



Freq. Stability NVNT ac20 5700MHz Ant1



Freq. Stability NVNT ac40 5510MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

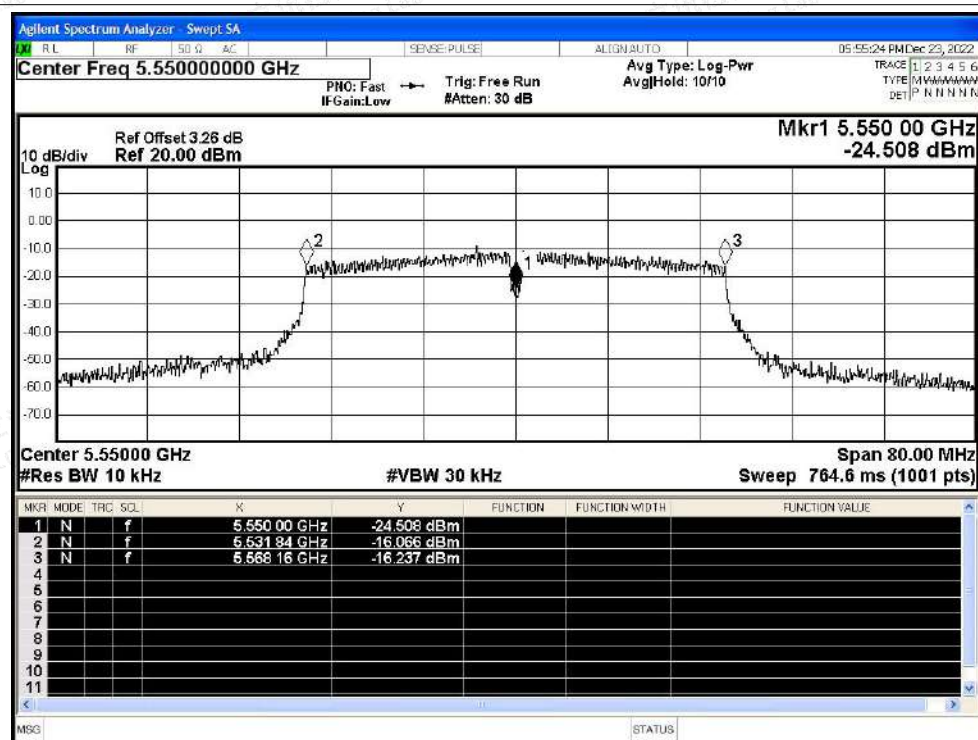
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

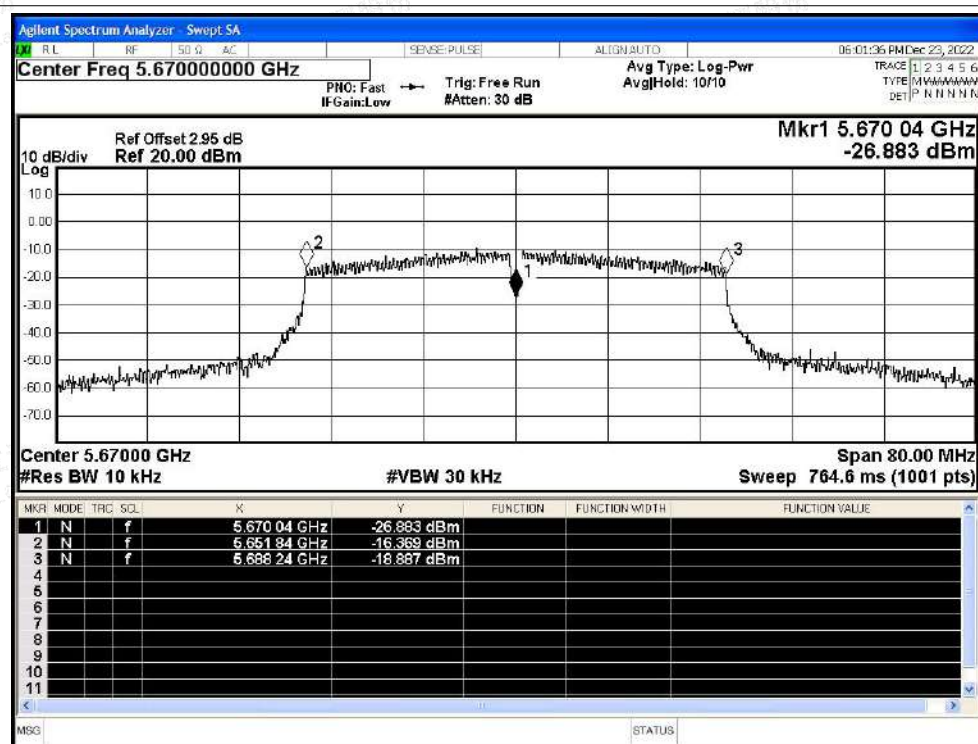
Scan code to check authenticity



Freq. Stability NVNT ac40 5550MHz Ant1



Freq. Stability NVNT ac40 5670MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

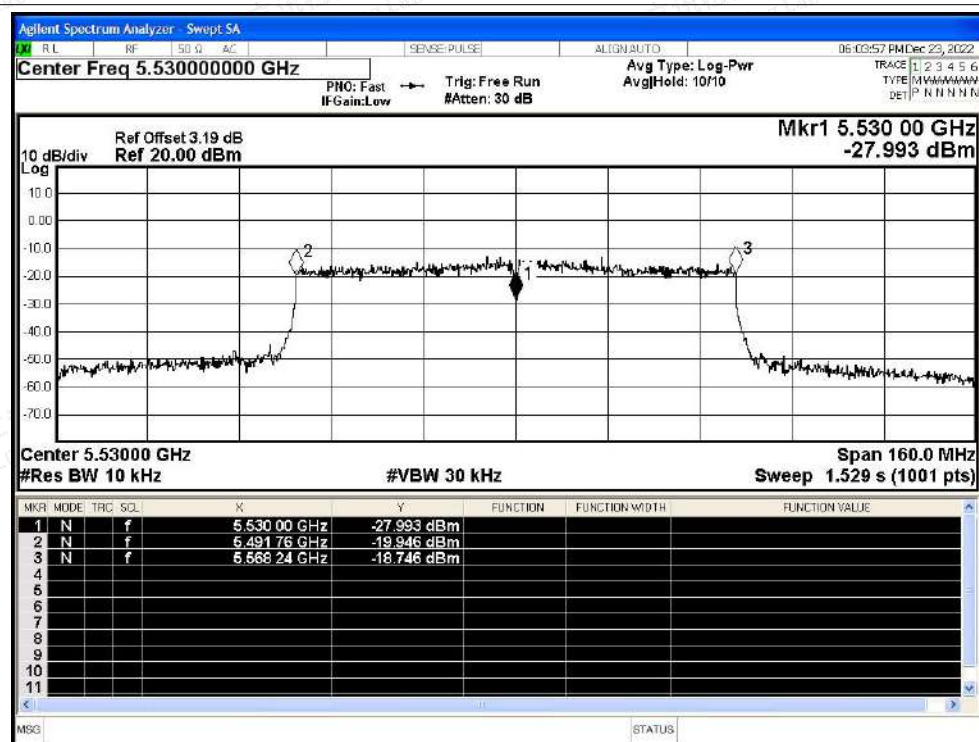
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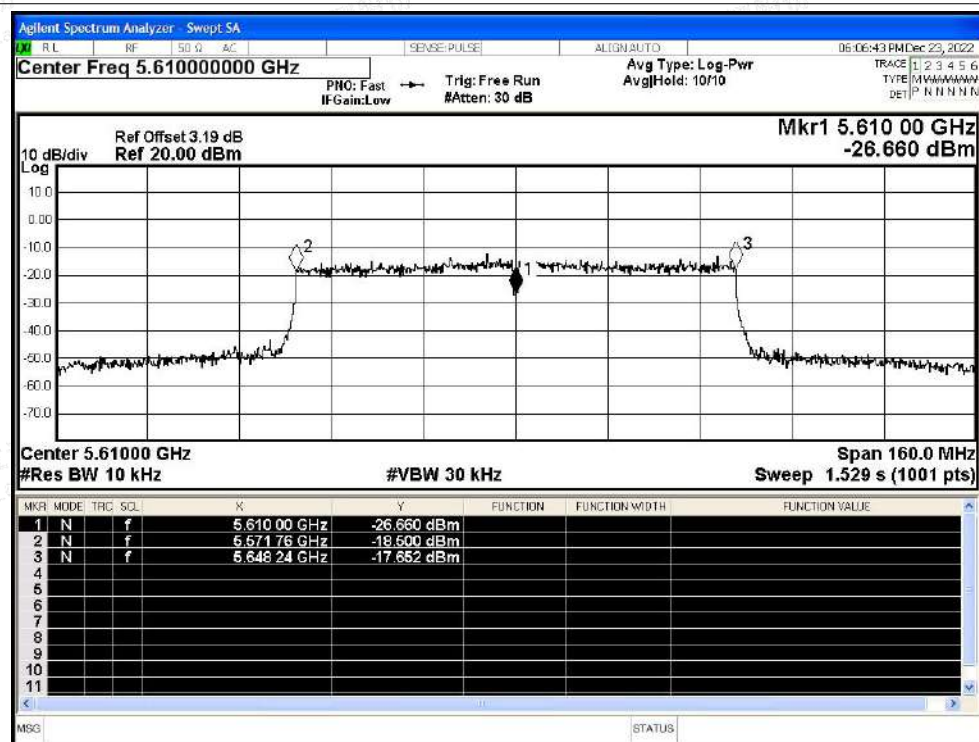
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Freq. Stability NVNT ac80 5530MHz Ant1



Freq. Stability NVNT ac80 5610MHz Ant1



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F.6 Duty Cycle

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	94.74	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	90.25	0.45	3.09

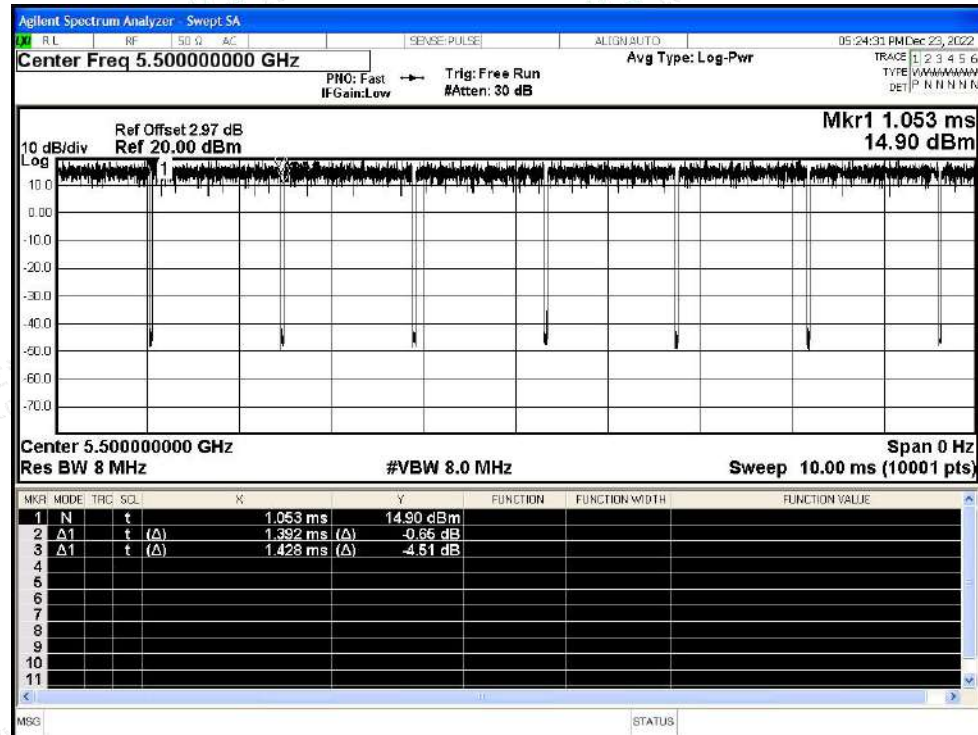


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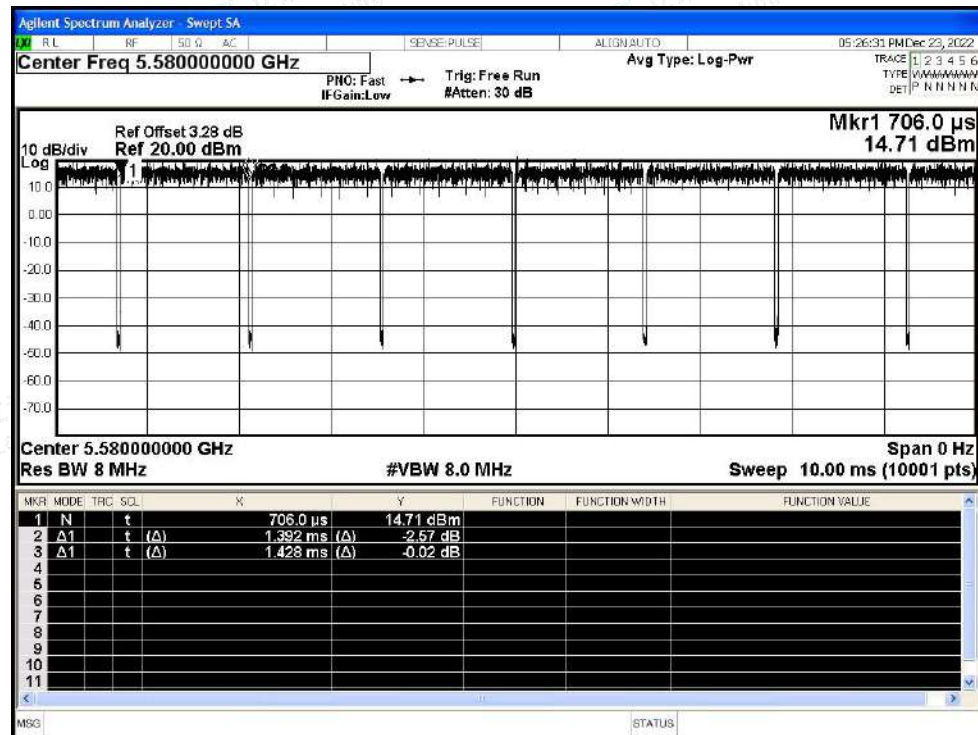


Test Graphs

Duty Cycle NVNT a 5500MHz Ant1

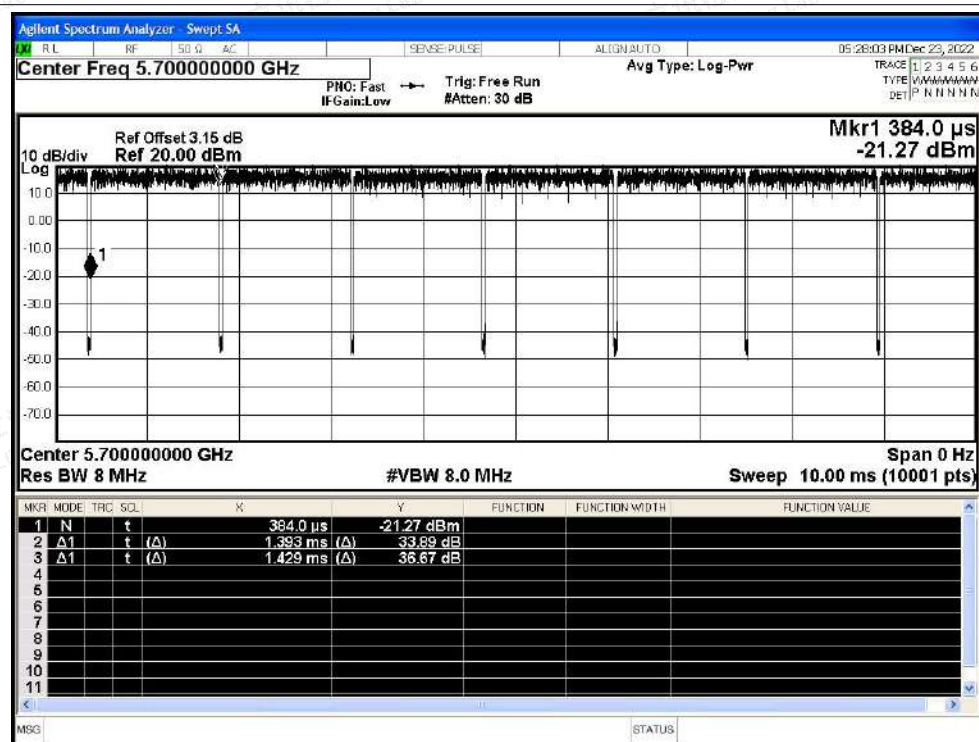


Duty Cycle NVNT a 5580MHz Ant1

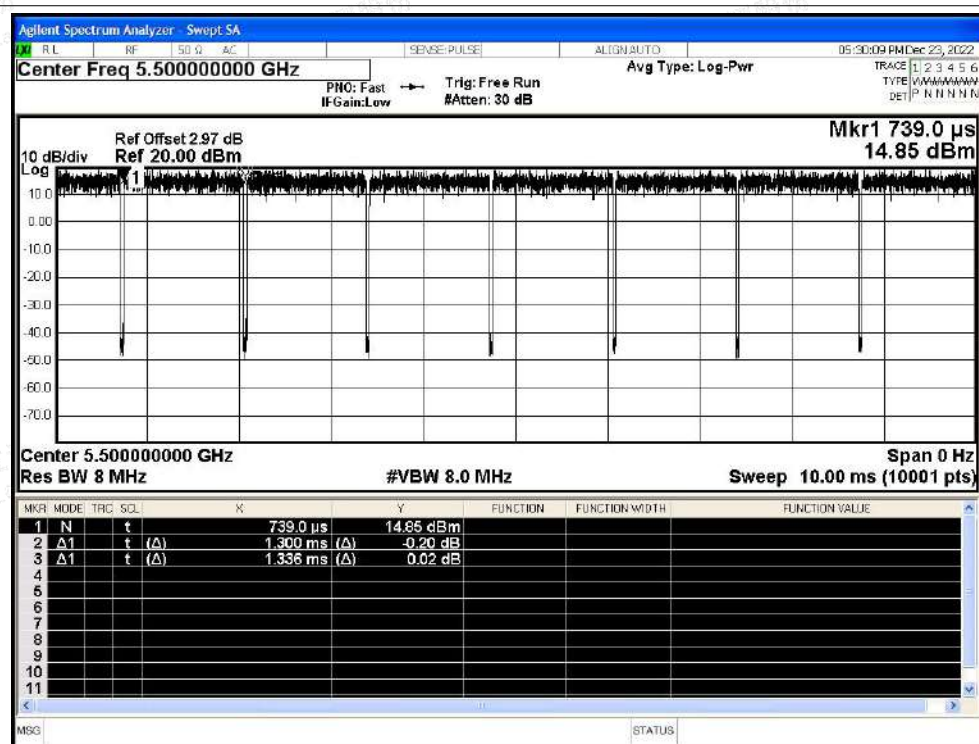




Duty Cycle NVNT a 5700MHz Ant1

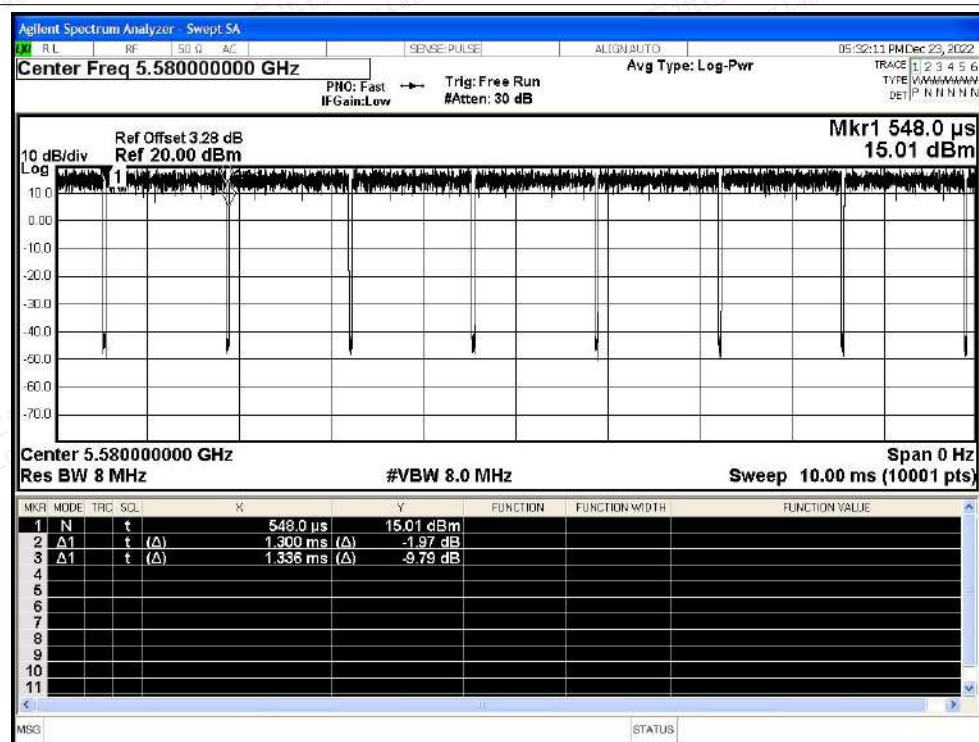


Duty Cycle NVNT n20 5500MHz Ant1

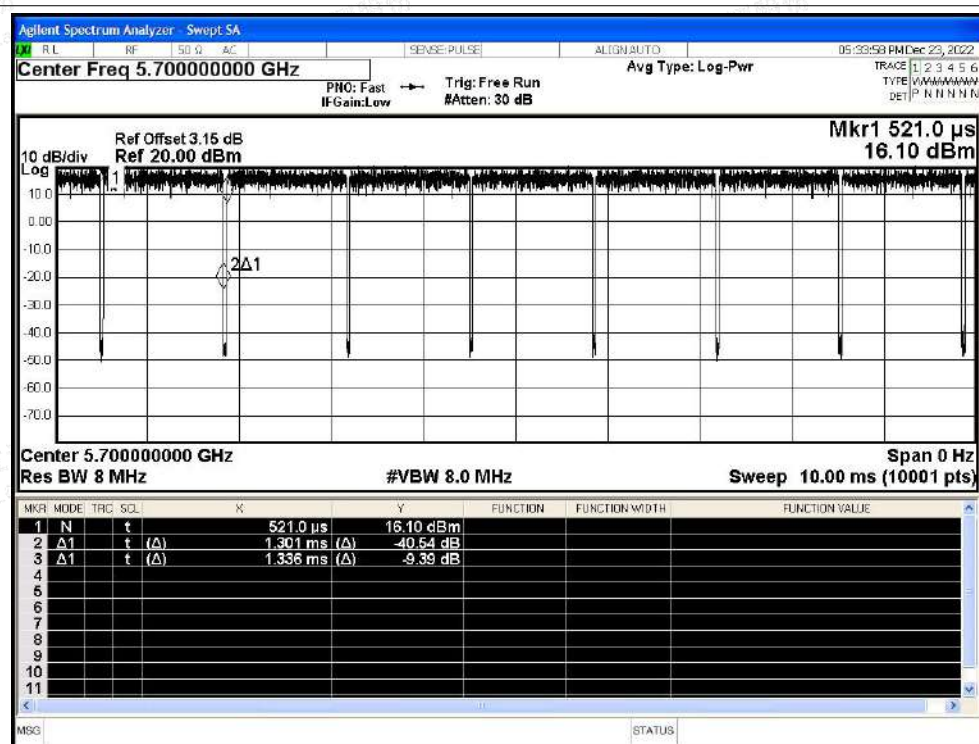




Duty Cycle NVNT n20 5580MHz Ant1

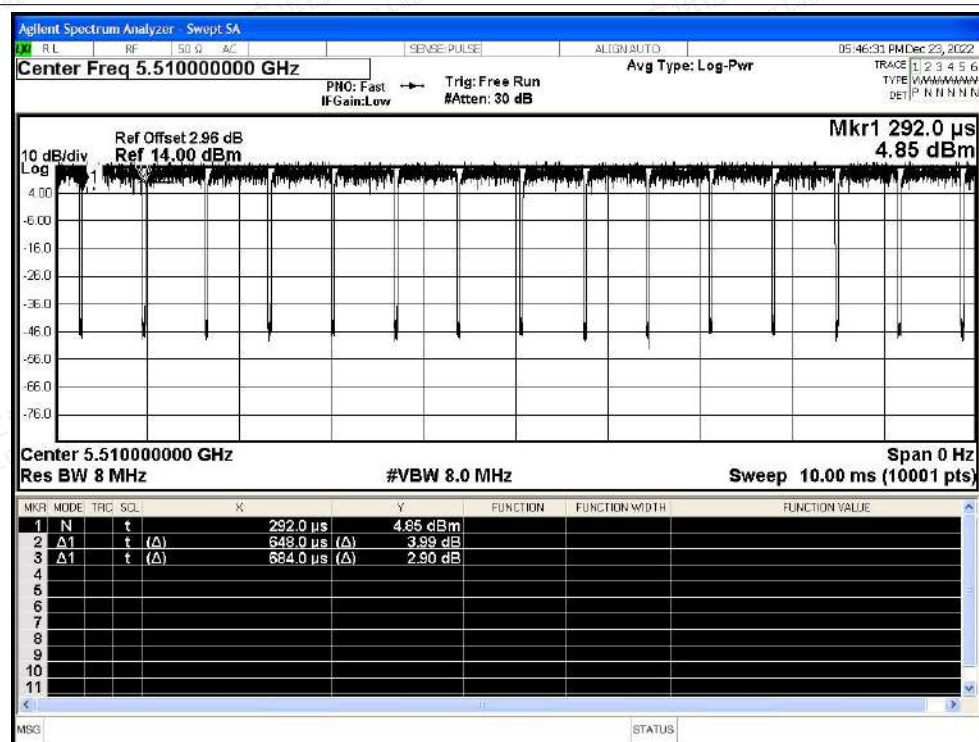


Duty Cycle NVNT n20 5700MHz Ant1

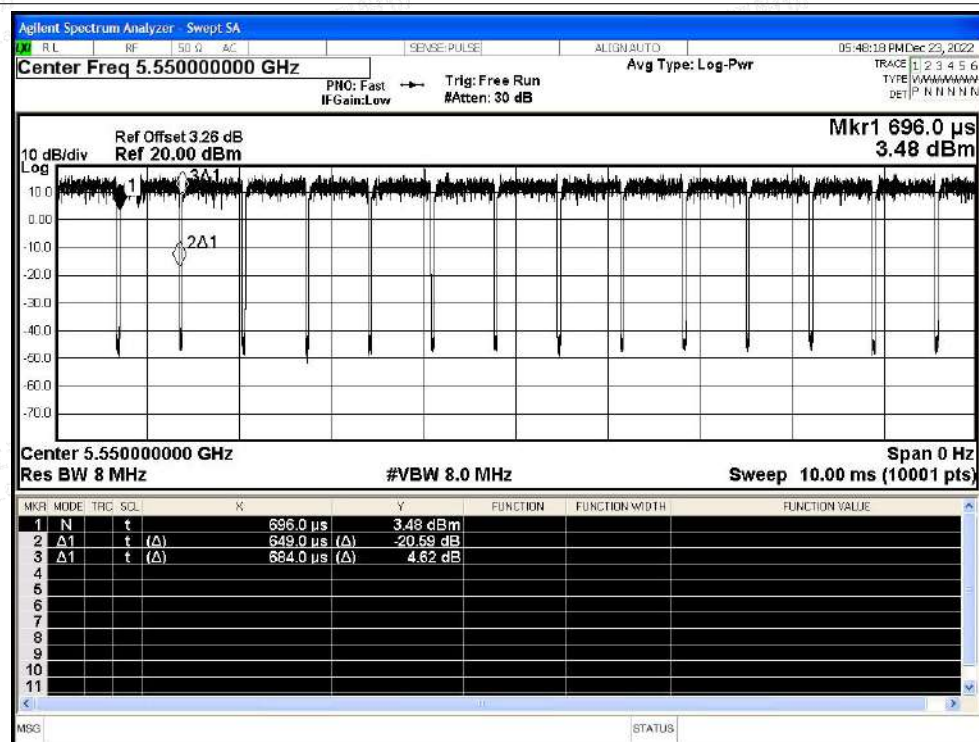


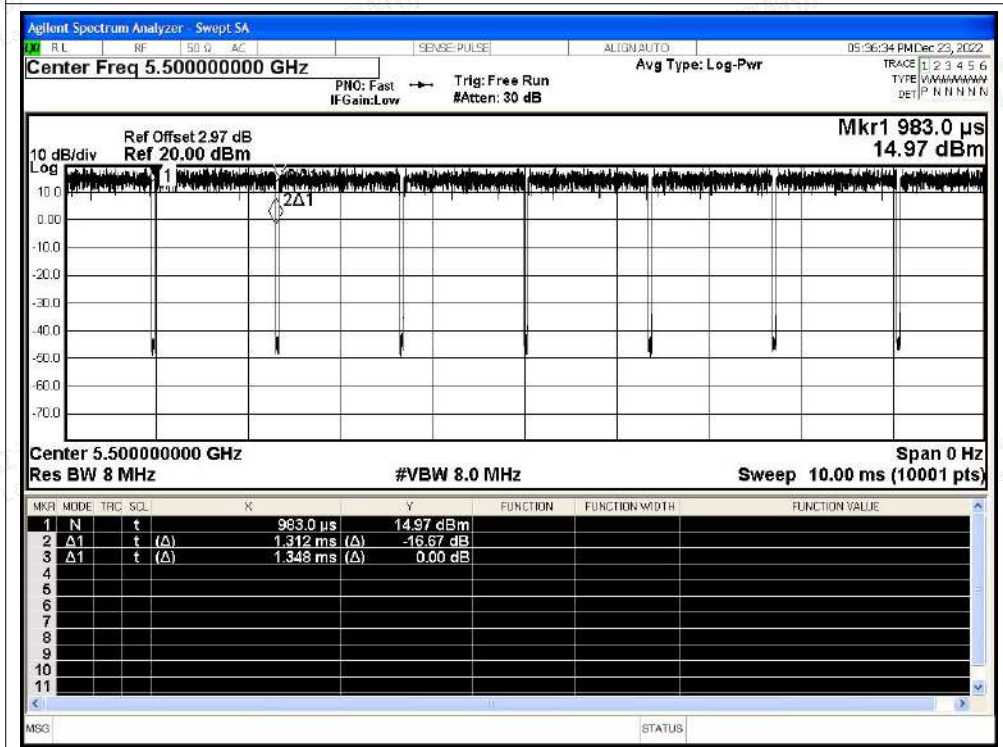
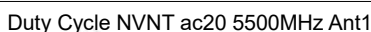


Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5550MHz Ant1

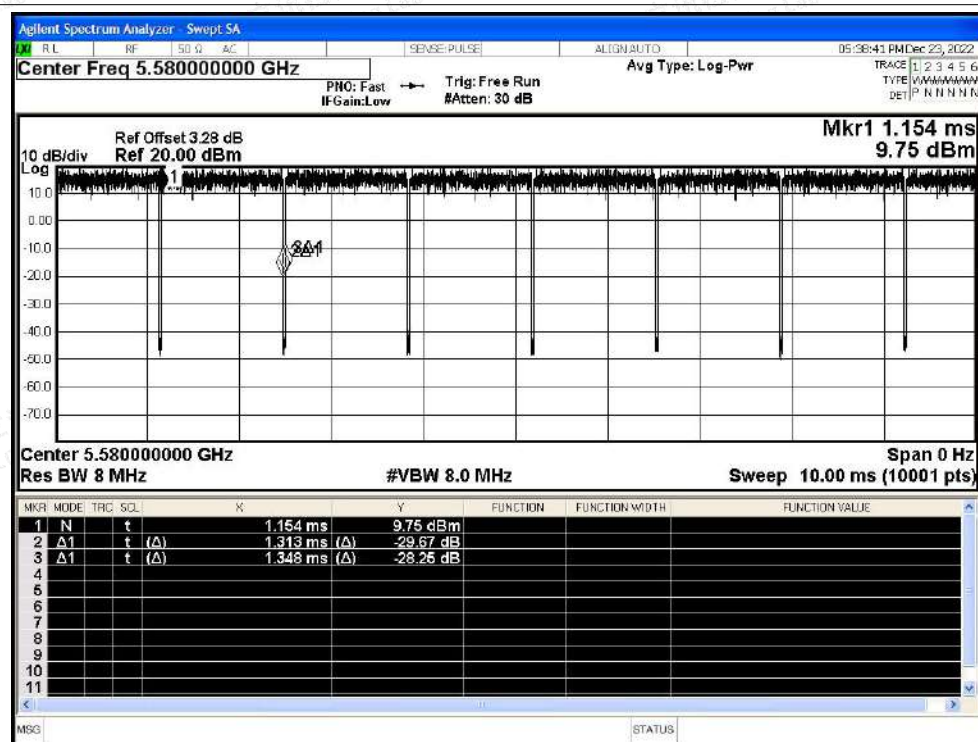




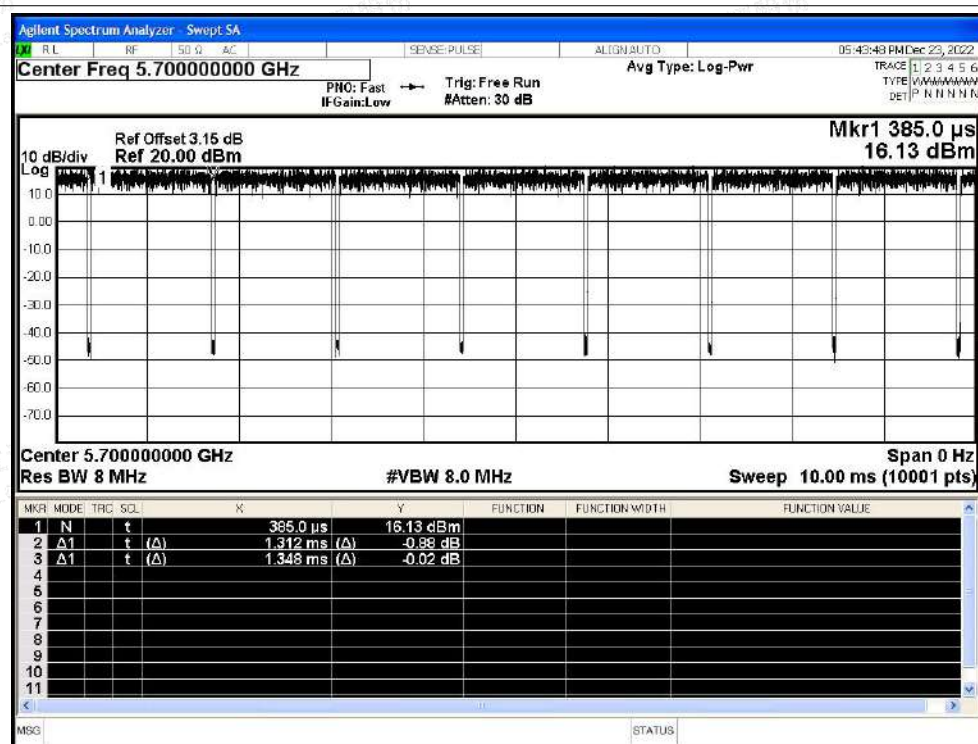
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Duty Cycle NVNT ac20 5580MHz Ant1



Duty Cycle NVNT ac20 5700MHz Ant1

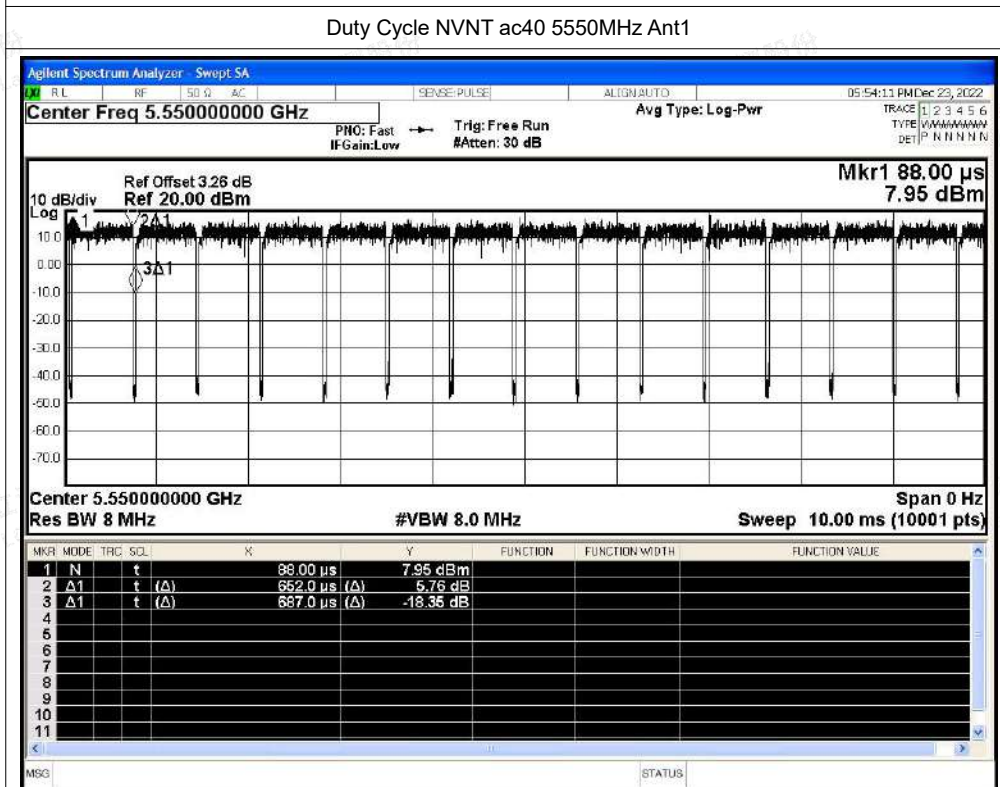
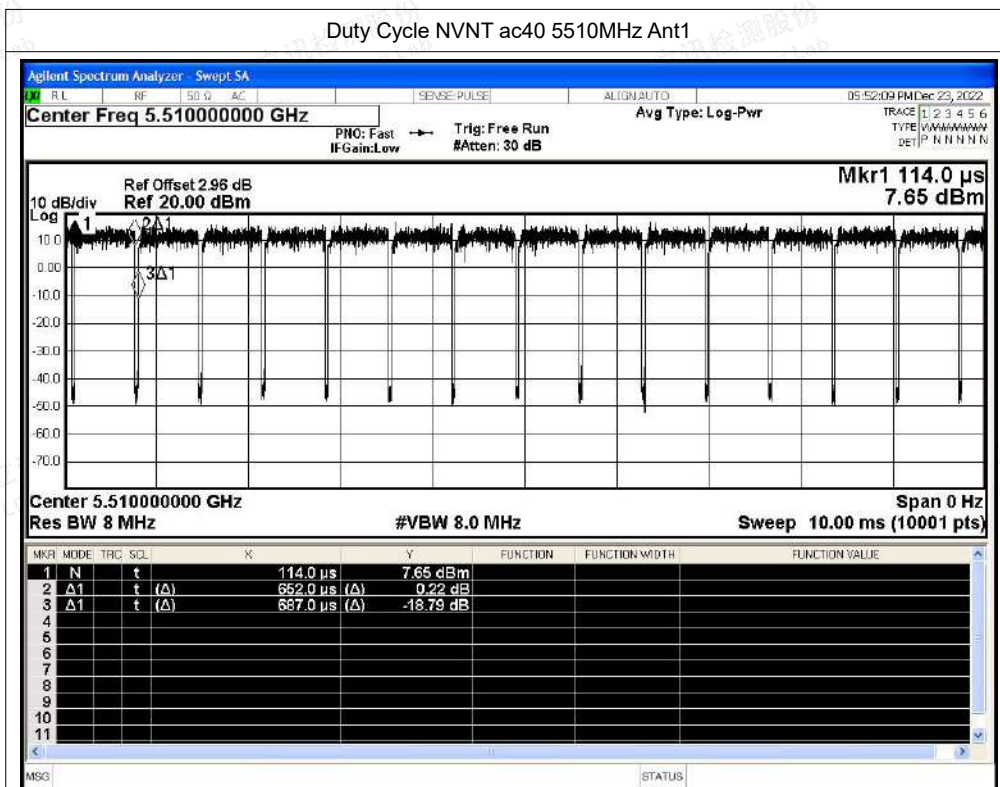


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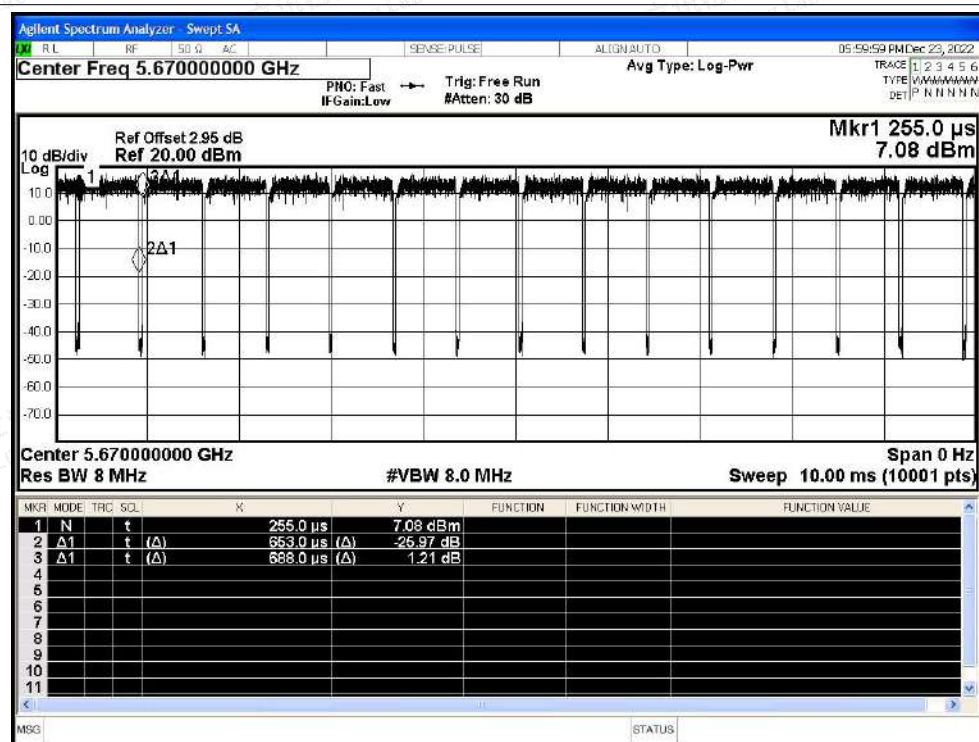
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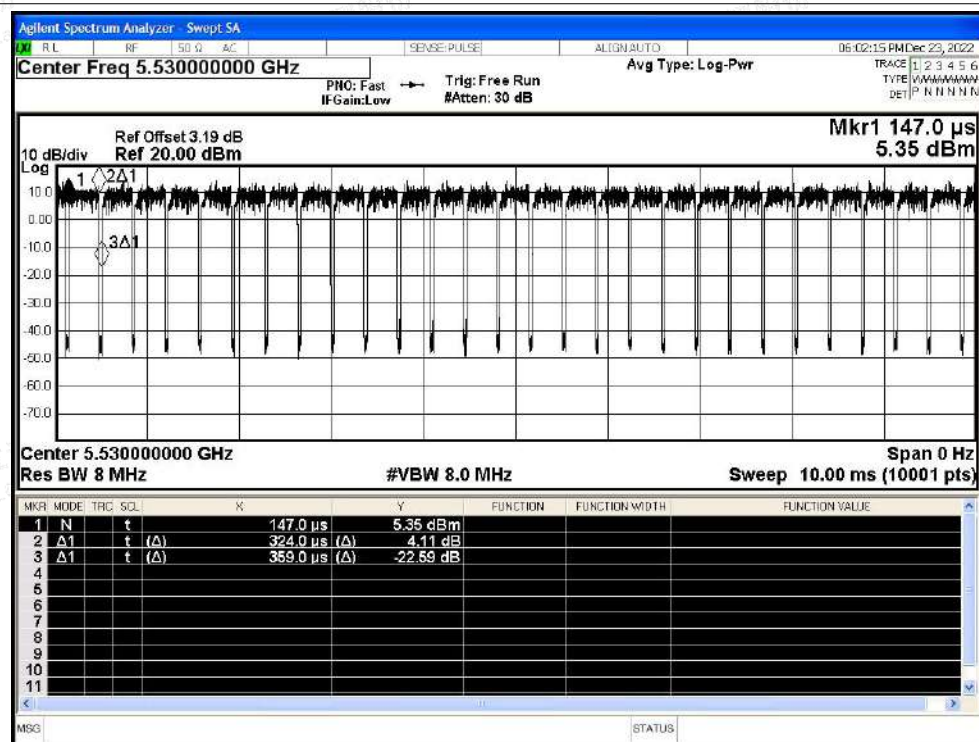




Duty Cycle NVNT ac40 5670MHz Ant1



Duty Cycle NVNT ac80 5530MHz Ant1



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