



Appendix C

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: BlueCash-05

Test Model: BlueCash-05

Environmental Conditions

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



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C.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	30	≥ 0.5	Pass
NVNT	a	5300	Ant1	30	≥ 0.5	Pass
NVNT	a	5320	Ant1	30	≥ 0.5	Pass
NVNT	n20	5260	Ant1	29.976	≥ 0.5	Pass
NVNT	n20	5300	Ant1	30	≥ 0.5	Pass
NVNT	n20	5320	Ant1	30	≥ 0.5	Pass
NVNT	n40	5270	Ant1	60	≥ 0.5	Pass
NVNT	n40	5310	Ant1	60	≥ 0.5	Pass
NVNT	ac20	5260	Ant1	30	≥ 0.5	Pass
NVNT	ac20	5300	Ant1	30	≥ 0.5	Pass
NVNT	ac20	5320	Ant1	30	≥ 0.5	Pass
NVNT	ac40	5270	Ant1	60	≥ 0.5	Pass
NVNT	ac40	5310	Ant1	60	≥ 0.5	Pass
NVNT	ac80	5290	Ant1	120	≥ 0.5	Pass

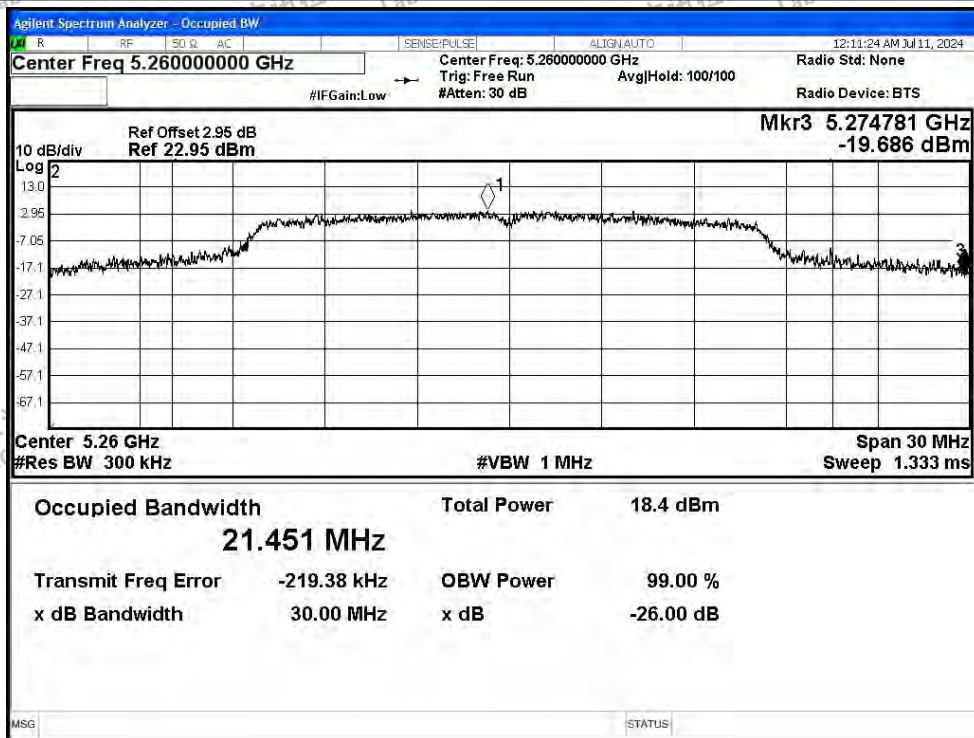


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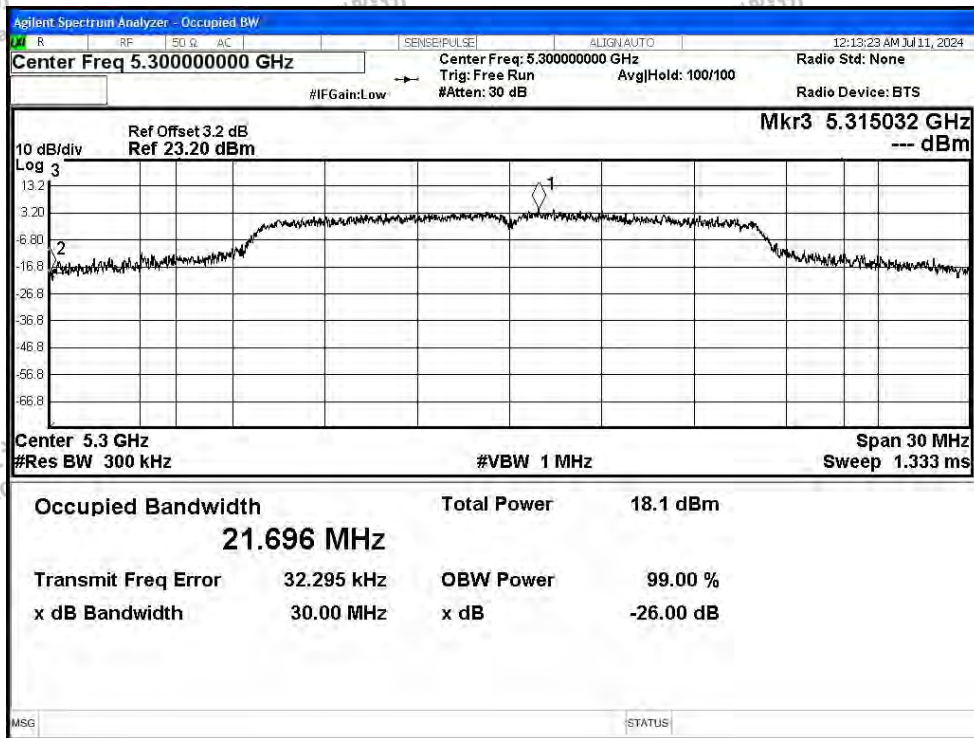


Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1



-26dB Bandwidth NVNT a 5300MHz Ant1



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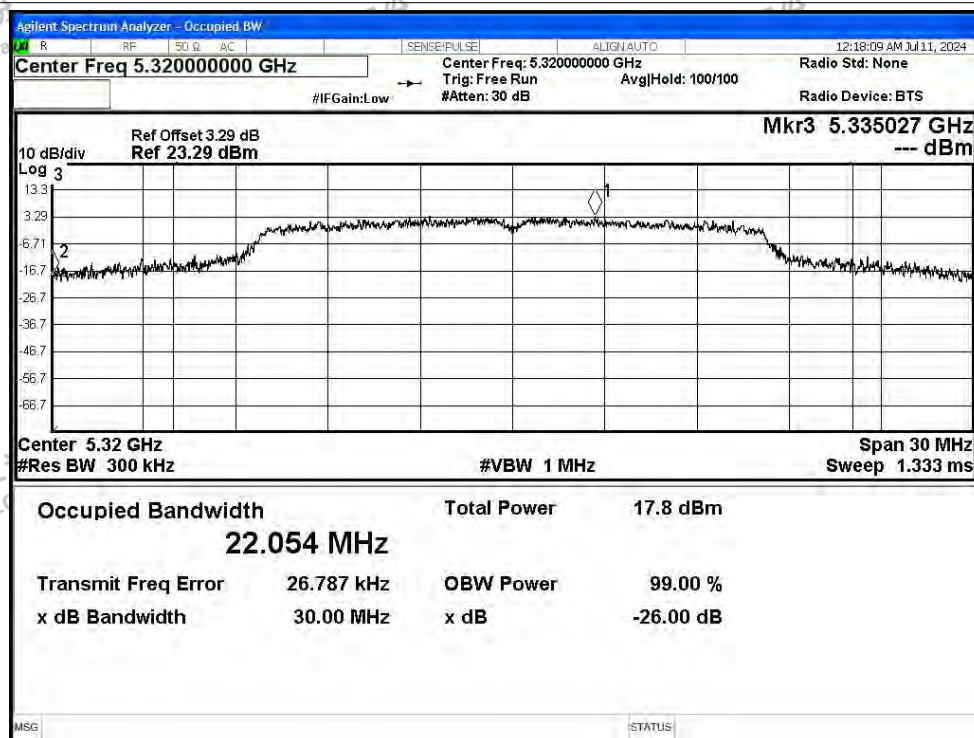
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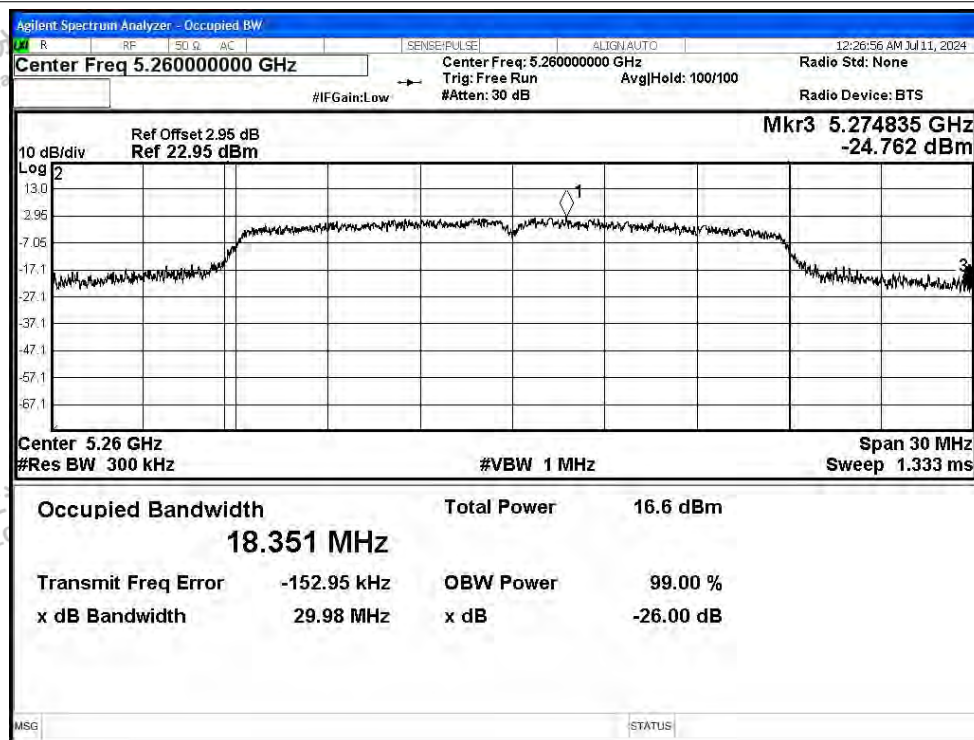
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-26dB Bandwidth NVNT a 5320MHz Ant1



-26dB Bandwidth NVNT n20 5260MHz Ant1



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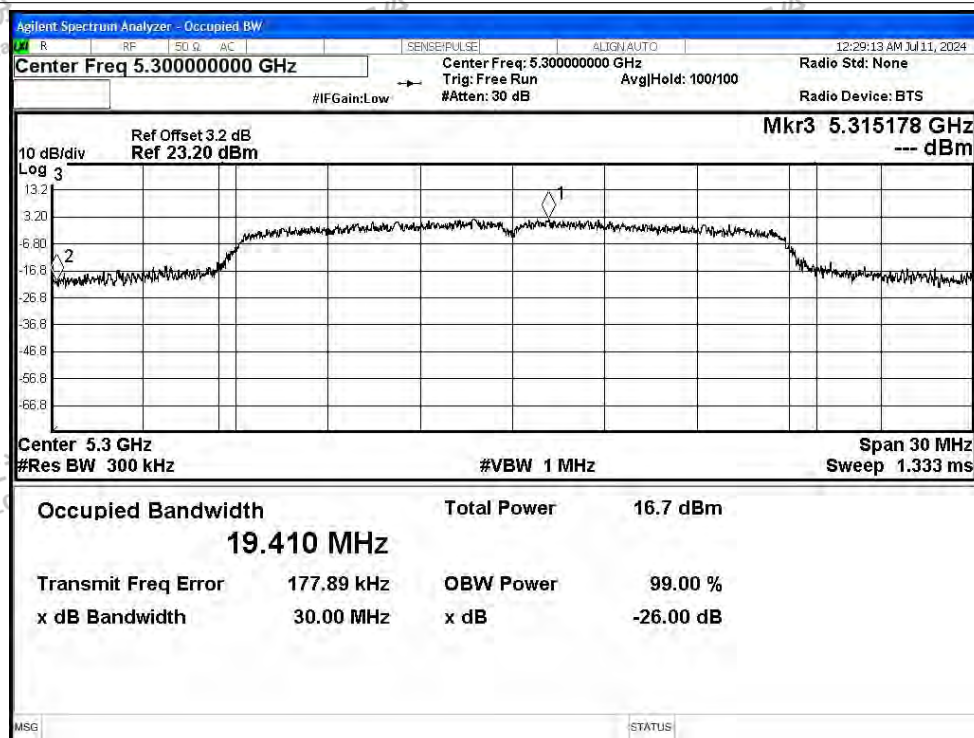
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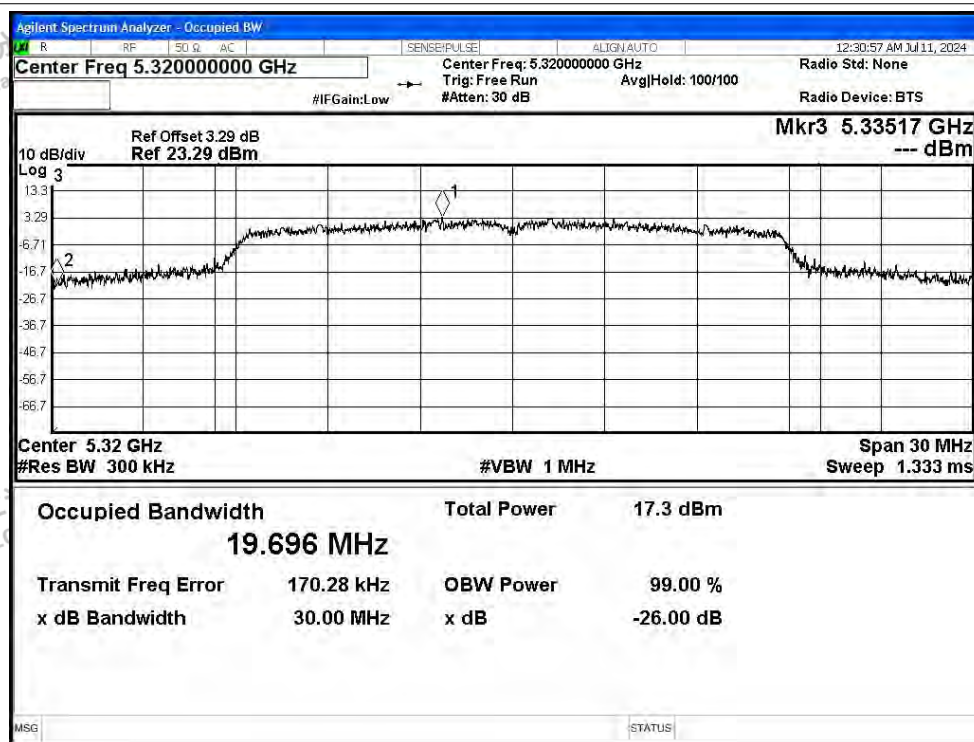
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-26dB Bandwidth NVNT n20 5300MHz Ant1



-26dB Bandwidth NVNT n20 5320MHz Ant1



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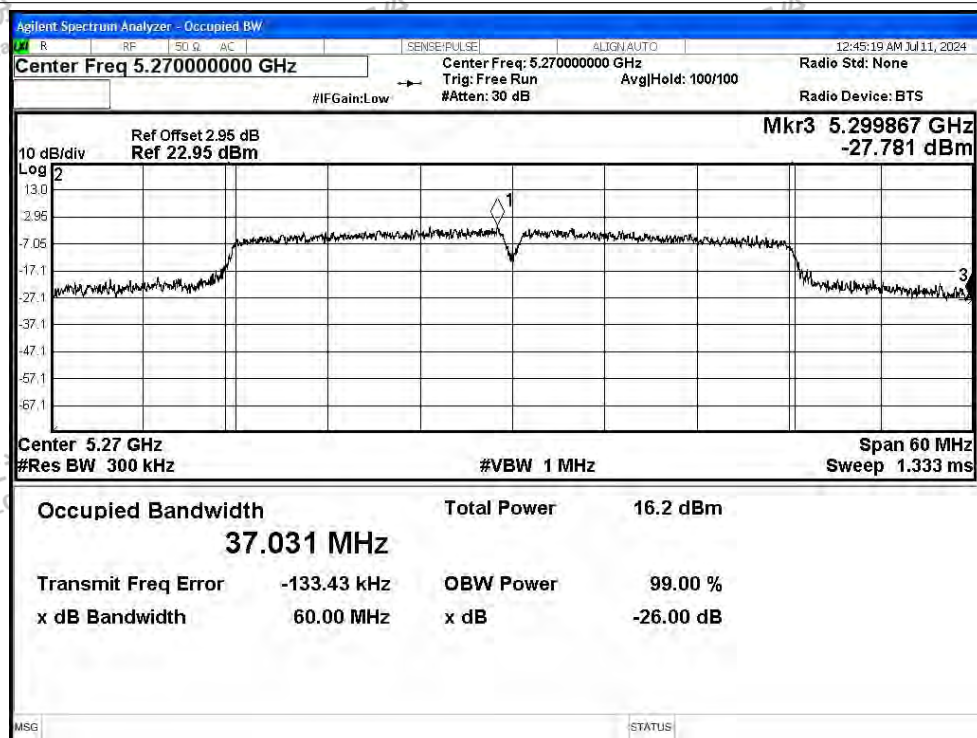
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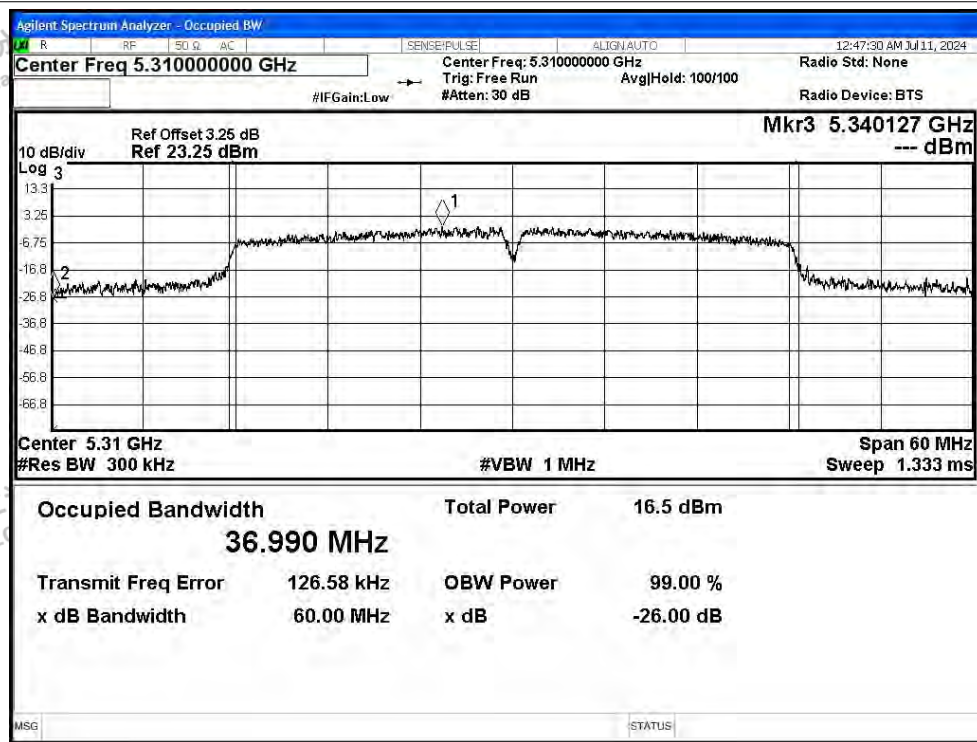
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-26dB Bandwidth NVNT n40 5270MHz Ant1



-26dB Bandwidth NVNT n40 5310MHz Ant1



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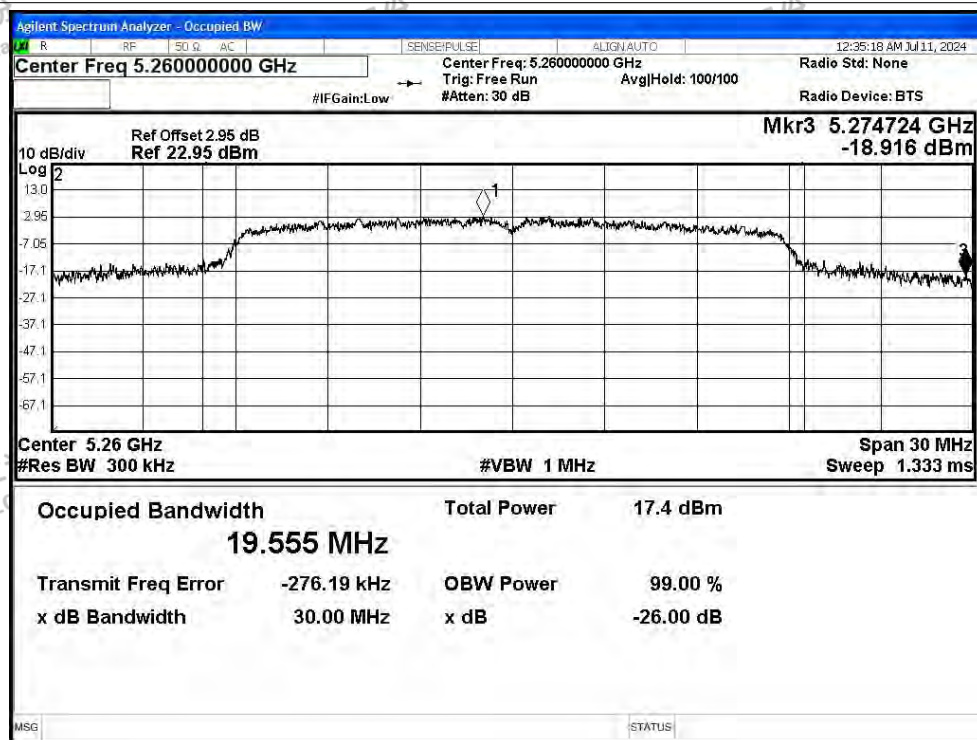
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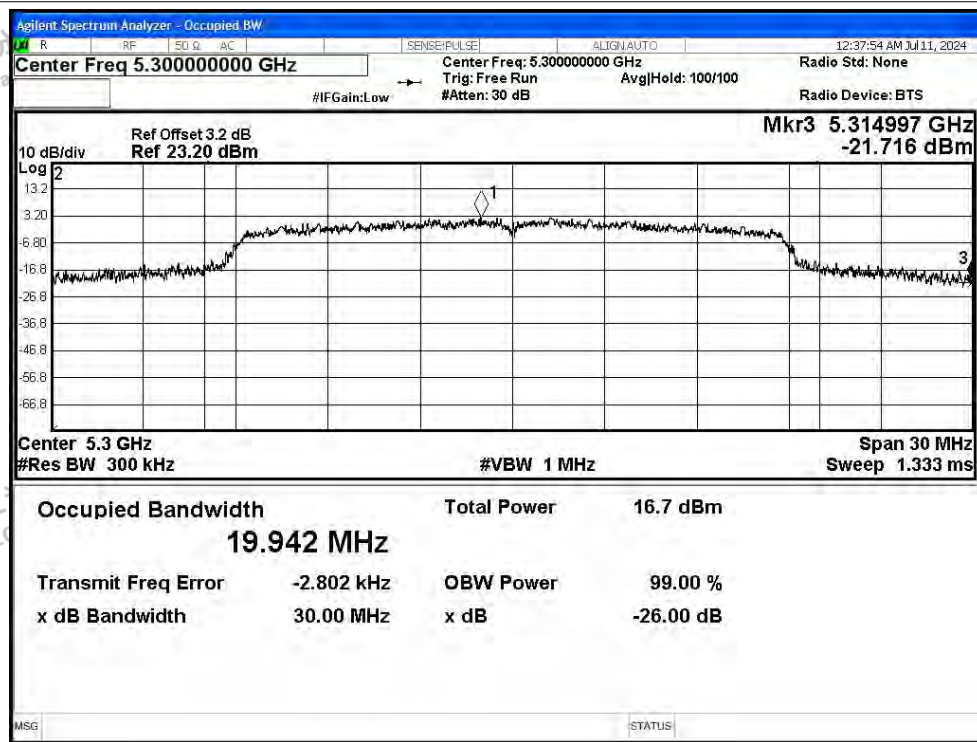
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-26dB Bandwidth NVNT ac20 5260MHz Ant1



-26dB Bandwidth NVNT ac20 5300MHz Ant1



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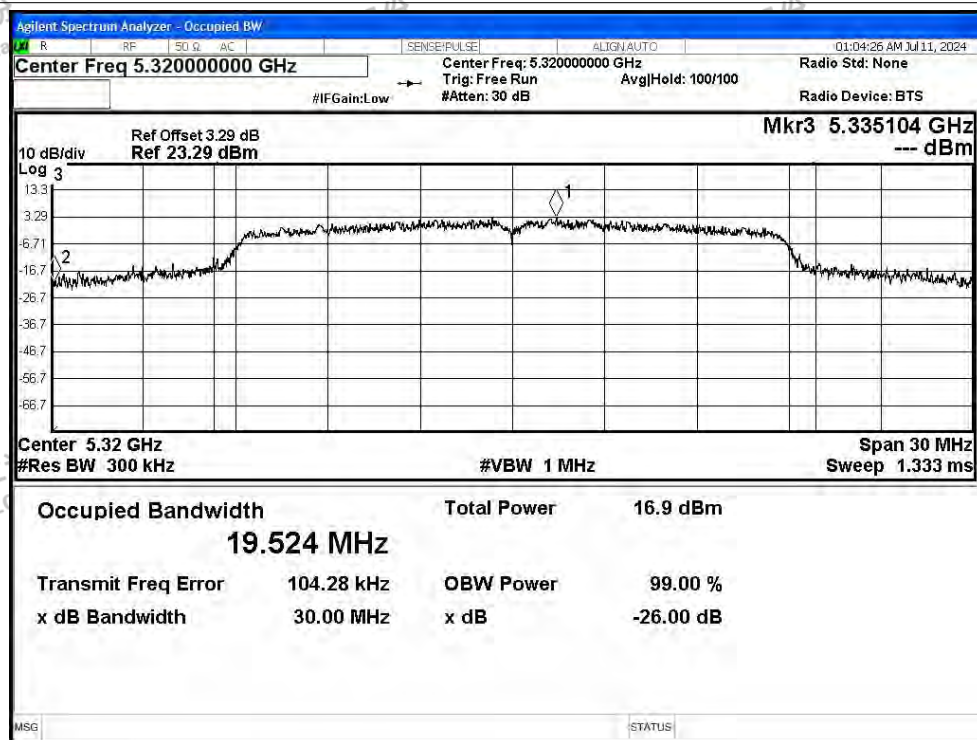
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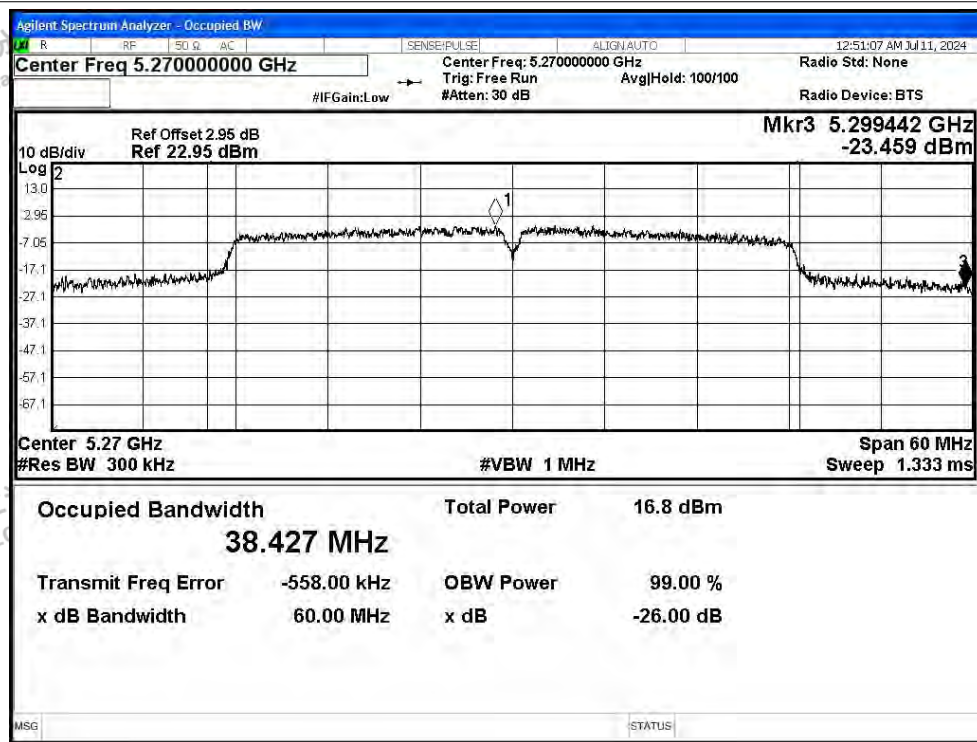
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-26dB Bandwidth NVNT ac20 5320MHz Ant1



-26dB Bandwidth NVNT ac40 5270MHz Ant1



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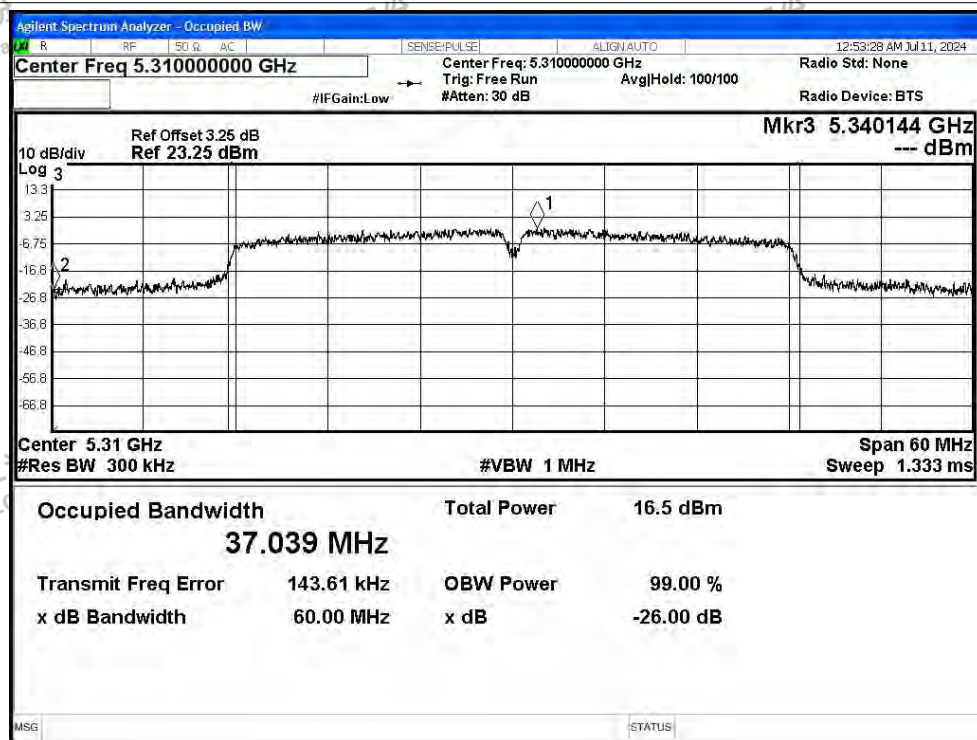
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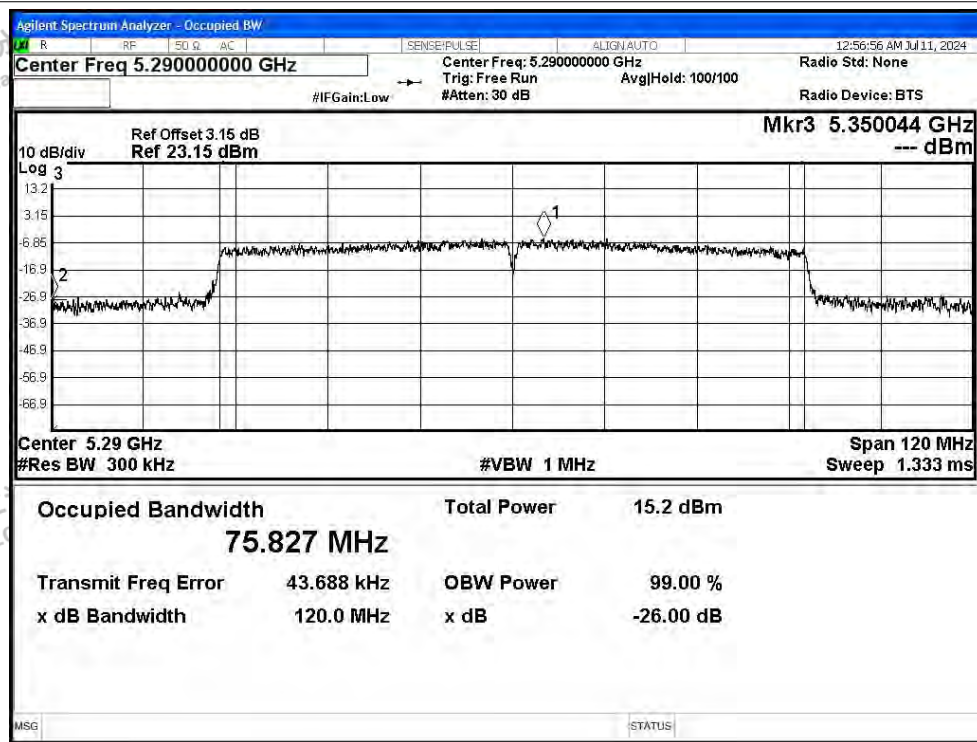
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-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1



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C.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	17.06	0.17	17.23	24	Pass
NVNT	a	5300	Ant1	17.74	0.17	17.91	24	Pass
NVNT	a	5320	Ant1	17.27	0.17	17.44	24	Pass
NVNT	n20	5260	Ant1	16.43	0.19	16.62	24	Pass
NVNT	n20	5300	Ant1	16.28	0.18	16.46	24	Pass
NVNT	n20	5320	Ant1	16.18	0.18	16.36	24	Pass
NVNT	n40	5270	Ant1	16.04	0.28	16.32	24	Pass
NVNT	n40	5310	Ant1	16.37	0.29	16.66	24	Pass
NVNT	ac20	5260	Ant1	15.26	0.18	15.44	24	Pass
NVNT	ac20	5300	Ant1	15.73	0.18	15.91	24	Pass
NVNT	ac20	5320	Ant1	15.5	0.18	15.68	24	Pass
NVNT	ac40	5270	Ant1	15.17	0.28	15.45	24	Pass
NVNT	ac40	5310	Ant1	15.64	0.28	15.92	24	Pass
NVNT	ac80	5290	Ant1	15.11	0.4	15.51	24	Pass



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C.3 Maximum Power Spectral Density Level

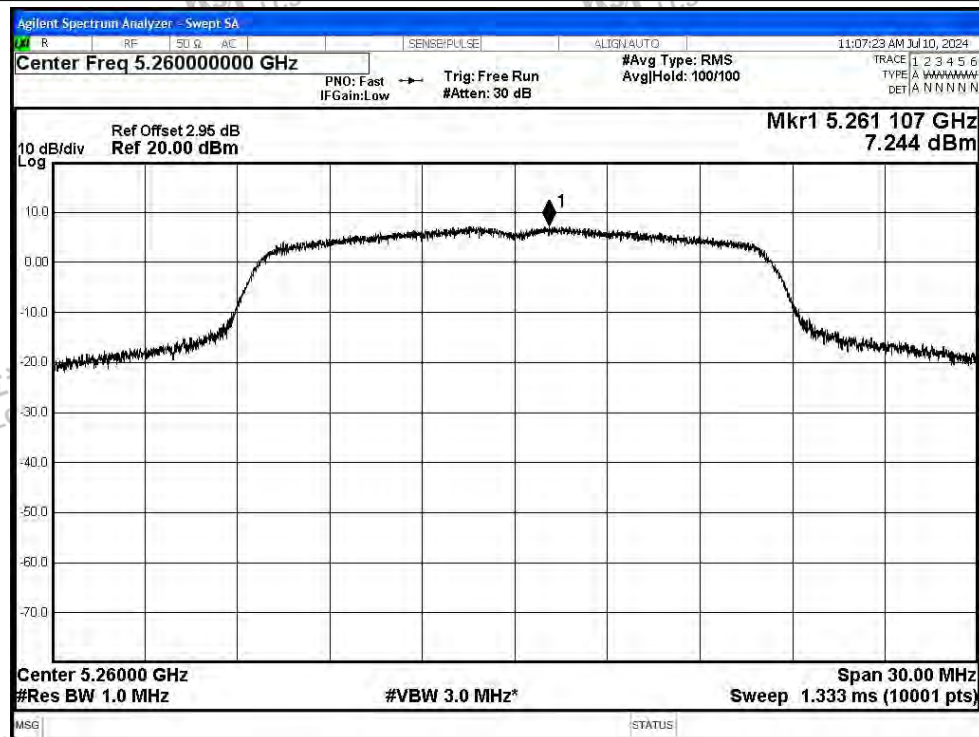
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	7.24	0.17	7.41	11	Pass
NVNT	a	5300	Ant1	7.9	0.17	8.07	11	Pass
NVNT	a	5320	Ant1	7.74	0.17	7.91	11	Pass
NVNT	n20	5260	Ant1	6.6	0.19	6.79	11	Pass
NVNT	n20	5300	Ant1	6.48	0.18	6.66	11	Pass
NVNT	n20	5320	Ant1	6.47	0.18	6.65	11	Pass
NVNT	n40	5270	Ant1	3.68	0.28	3.96	11	Pass
NVNT	n40	5310	Ant1	4.12	0.29	4.41	11	Pass
NVNT	ac20	5260	Ant1	5.62	0.18	5.8	11	Pass
NVNT	ac20	5300	Ant1	5.97	0.18	6.15	11	Pass
NVNT	ac20	5320	Ant1	5.74	0.18	5.92	11	Pass
NVNT	ac40	5270	Ant1	2.54	0.28	2.82	11	Pass
NVNT	ac40	5310	Ant1	2.96	0.28	3.24	11	Pass
NVNT	ac80	5290	Ant1	-0.83	0.4	-0.43	11	Pass



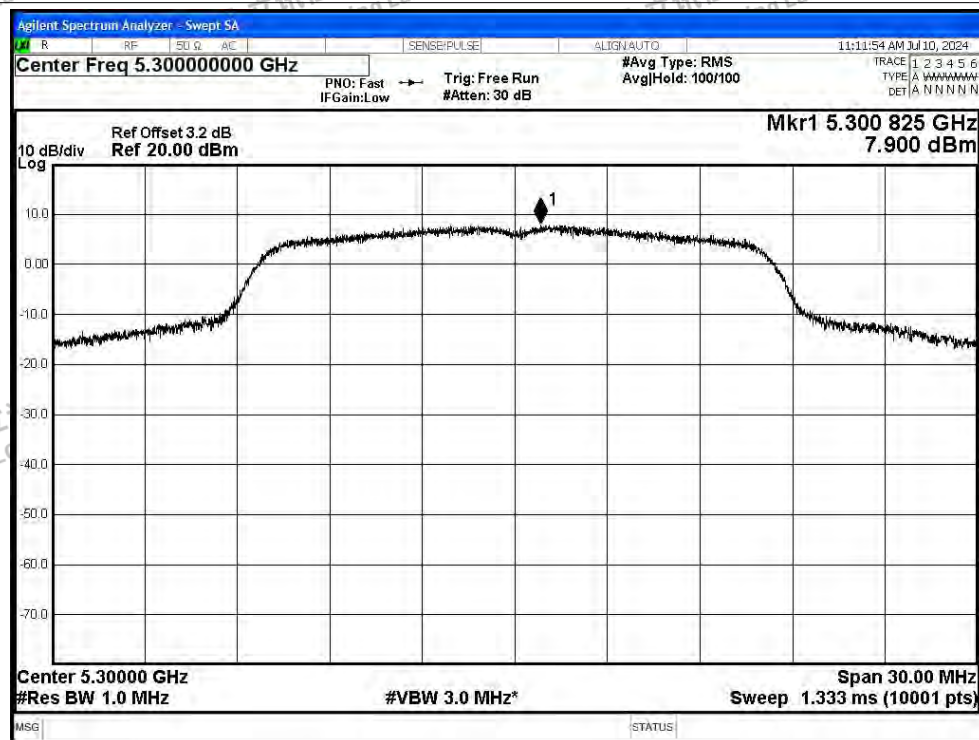


Test Graphs

PSD NVNT a 5260MHz Ant1



PSD NVNT a 5300MHz Ant1



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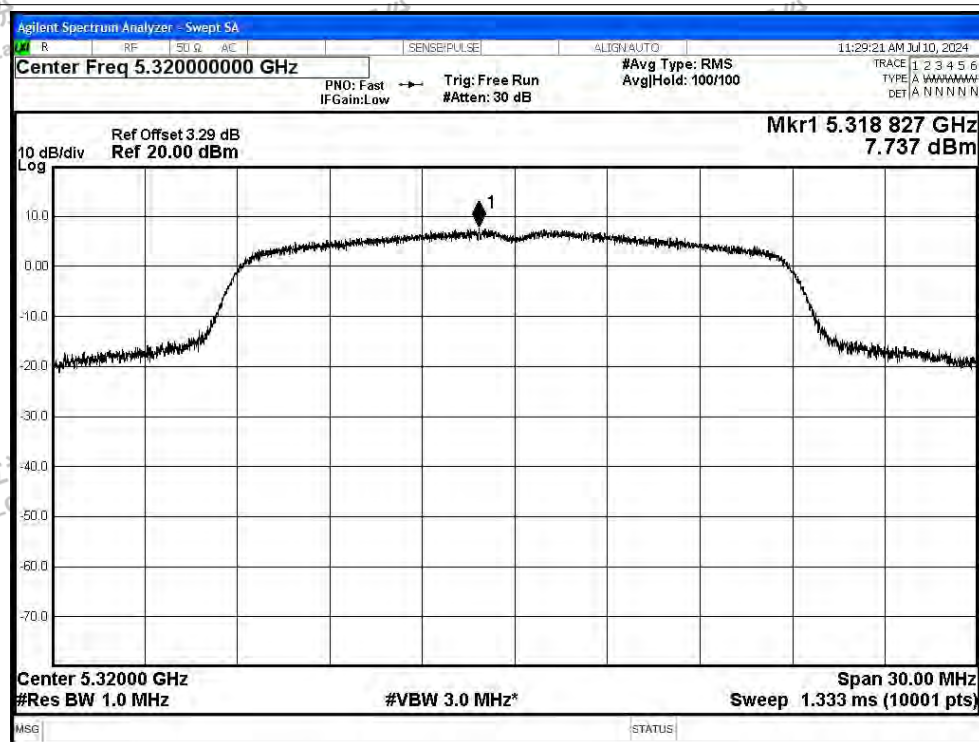
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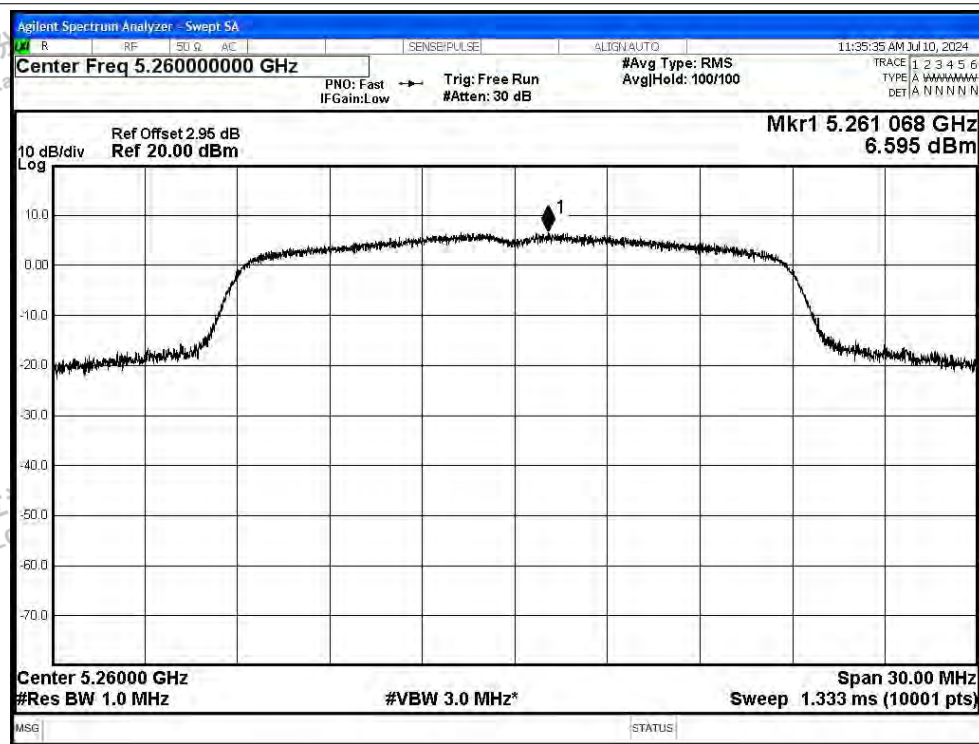
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PSD NVNT a 5320MHz Ant1



PSD NVNT n20 5260MHz Ant1



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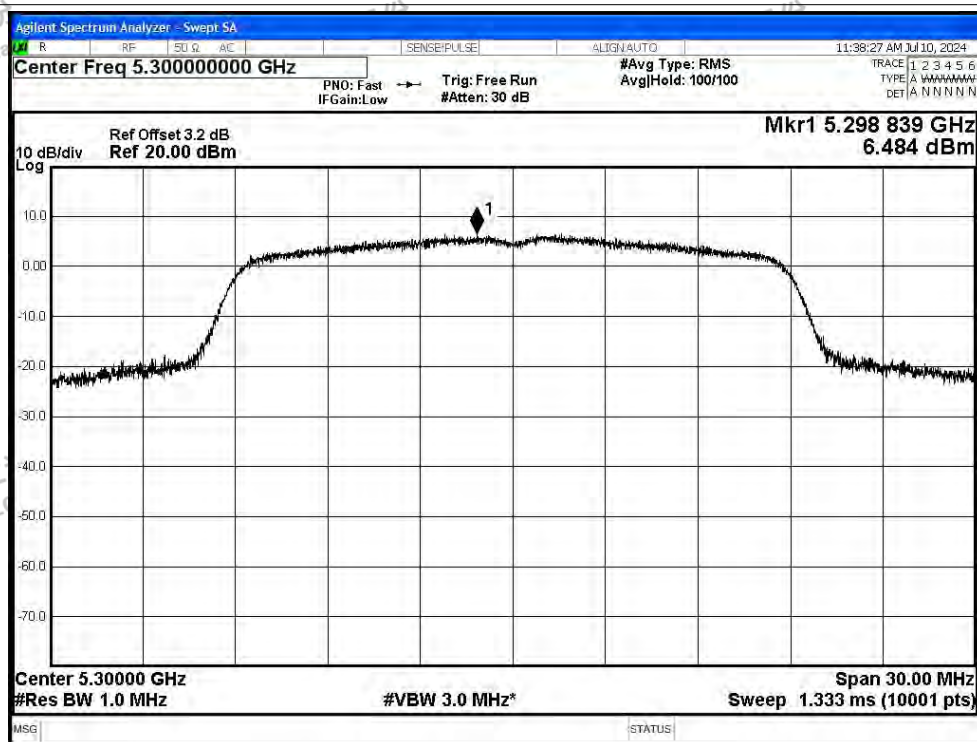
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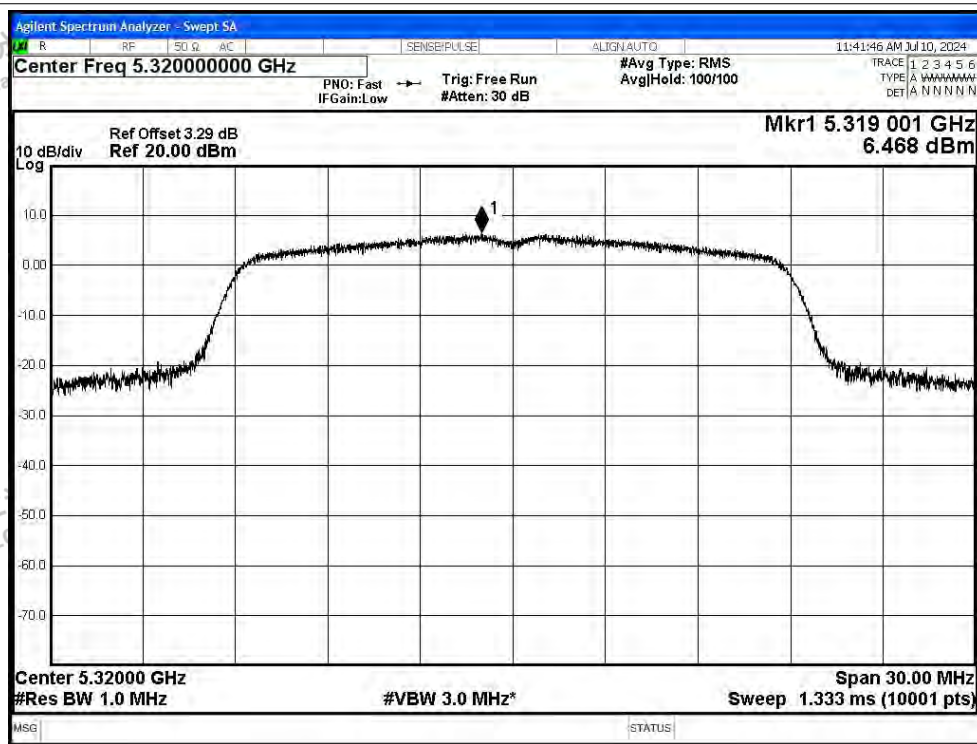
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PSD NVNT n20 5300MHz Ant1



PSD NVNT n20 5320MHz Ant1



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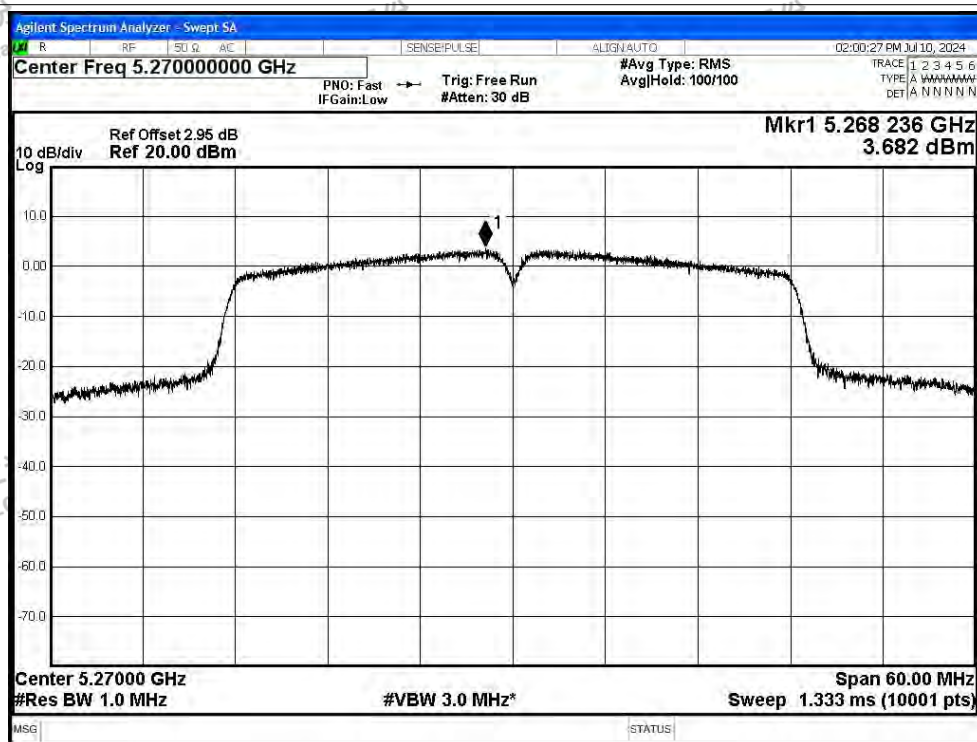
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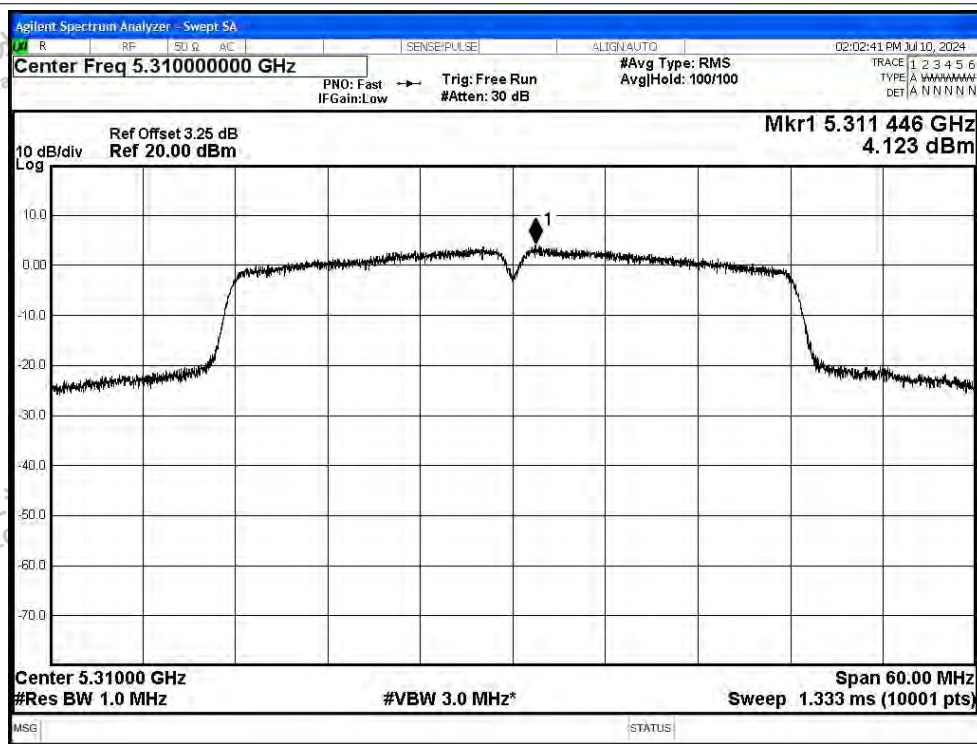
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PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1



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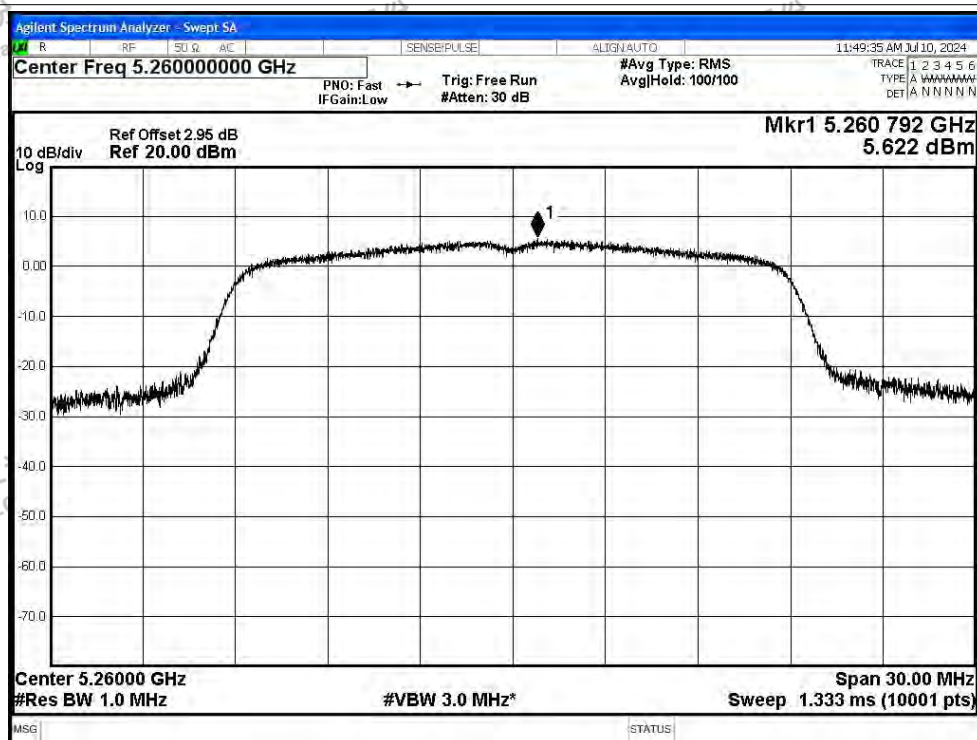
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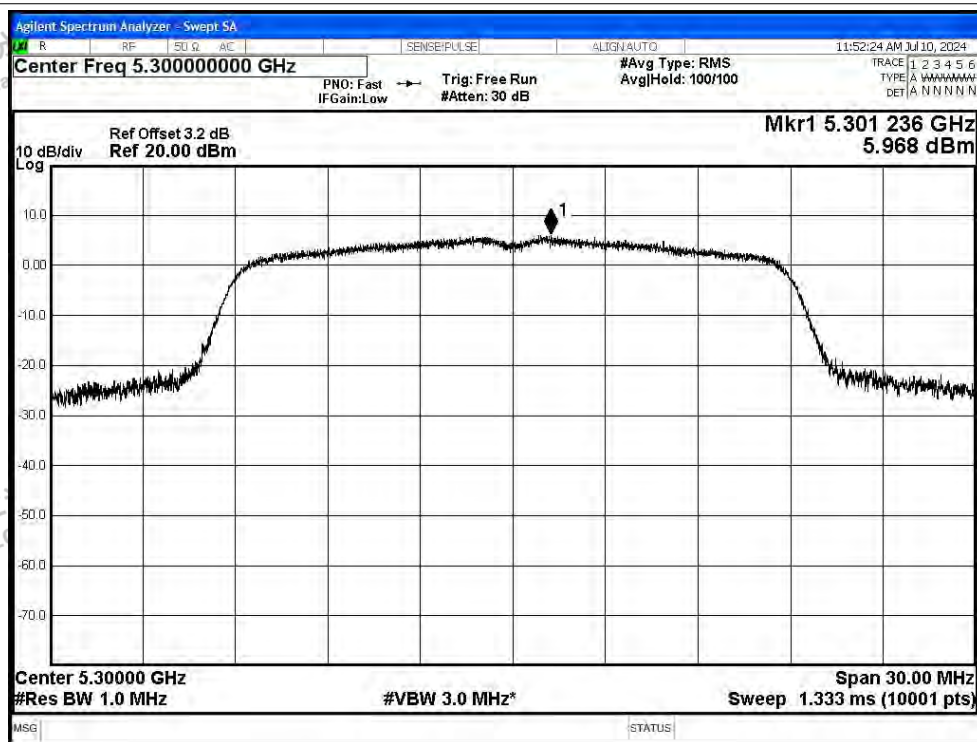
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PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1



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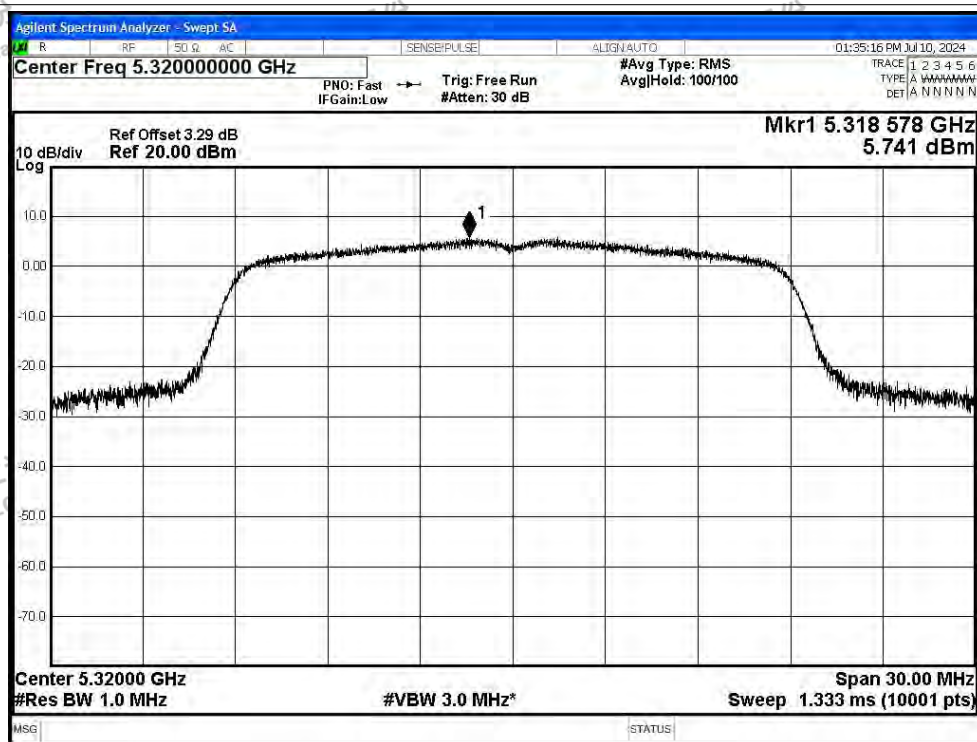
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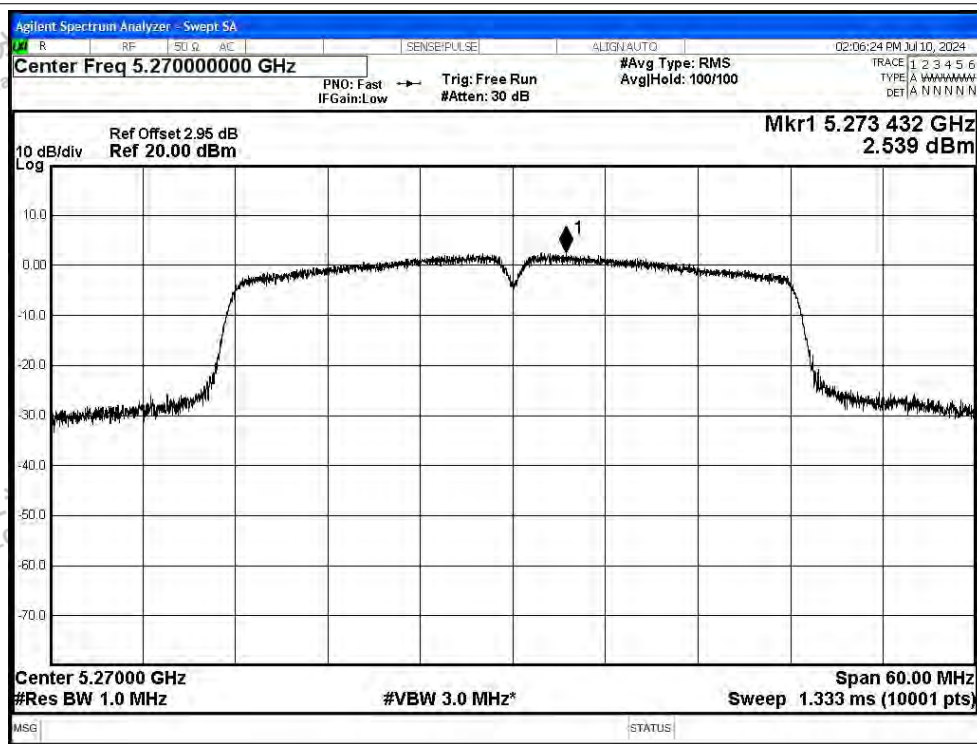
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PSD NVNT ac20 5320MHz Ant1

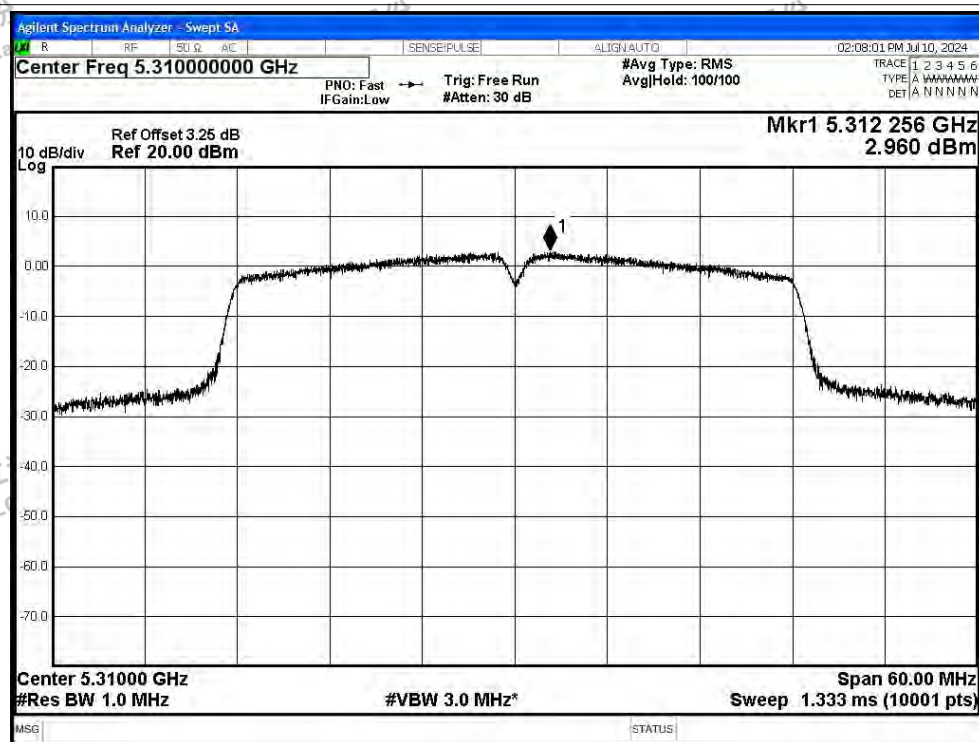


PSD NVNT ac40 5270MHz Ant1

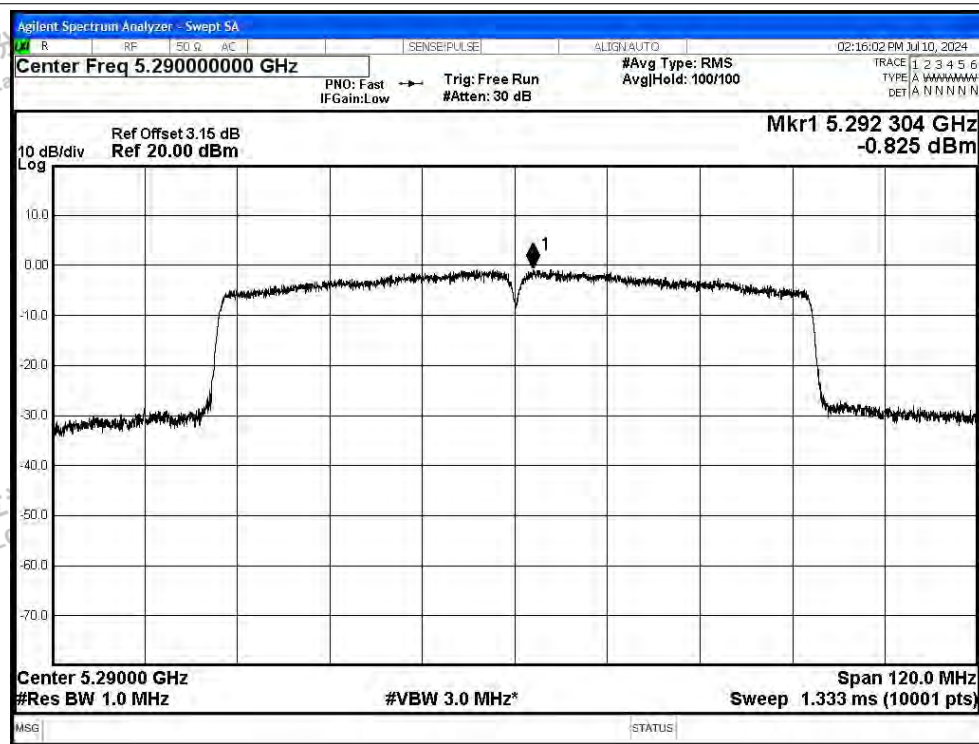




PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac80 5290MHz Ant1



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C.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5260	Ant1	4500	-49.95	2	-	47.28	Peak	68.2	Pass
NVNT	a	5260	Ant1	4500	-59.17	2	0.17	38.23	Average	54	Pass
NVNT	a	5260	Ant1	4864.26	-47.18	2	-	50.05	Peak	68.2	Pass
NVNT	a	5260	Ant1	5090.46	-57.21	2	0.17	40.19	Average	54	Pass
NVNT	a	5260	Ant1	5150	-50.93	2	-	46.3	Peak	68.2	Pass
NVNT	a	5260	Ant1	5150	-57.54	2	0.17	39.86	Average	54	Pass
NVNT	a	5320	Ant1	5350	-49.27	2	-	47.96	Peak	68.2	Pass
NVNT	a	5320	Ant1	5350	-57.86	2	0.17	39.54	Average	54	Pass
NVNT	a	5320	Ant1	5415.6	-46.58	2	-	50.65	Peak	68.2	Pass
NVNT	a	5320	Ant1	5410.6	-57.07	2	0.17	40.33	Average	54	Pass
NVNT	a	5320	Ant1	5460	-50.34	2	-	46.89	Peak	68.2	Pass
NVNT	a	5320	Ant1	5460	-58	2	0.17	39.4	Average	54	Pass
NVNT	n20	5260	Ant1	4500	-49.48	2	-	47.75	Peak	68.2	Pass
NVNT	n20	5260	Ant1	4500	-58.88	2	0.19	38.54	Average	54	Pass
NVNT	n20	5260	Ant1	4932.12	-47.32	2	-	49.91	Peak	68.2	Pass
NVNT	n20	5260	Ant1	5081.1	-57.2	2	0.19	40.22	Average	54	Pass
NVNT	n20	5260	Ant1	5150	-49.62	2	-	47.61	Peak	68.2	Pass
NVNT	n20	5260	Ant1	5150	-58	2	0.19	39.42	Average	54	Pass
NVNT	n20	5320	Ant1	5350	-47.39	2	-	49.84	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5350	-56.41	2	0.18	41	Average	54	Pass
NVNT	n20	5320	Ant1	5355	-45.69	2	-	51.54	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5460	-48.77	2	-	48.46	Peak	68.2	Pass
NVNT	n20	5320	Ant1	5460	-58.22	2	0.18	39.19	Average	54	Pass
NVNT	n40	5270	Ant1	4500	-50.53	2	-	46.7	Peak	68.2	Pass
NVNT	n40	5270	Ant1	4500	-59.7	2	0.28	37.81	Average	54	Pass
NVNT	n40	5270	Ant1	4806.99	-47.34	2	-	49.89	Peak	68.2	Pass
NVNT	n40	5270	Ant1	5085.63	-57.07	2	0.28	40.44	Average	54	Pass
NVNT	n40	5270	Ant1	5150	-49.06	2	-	48.17	Peak	68.2	Pass
NVNT	n40	5270	Ant1	5150	-57.64	2	0.28	39.87	Average	54	Pass
NVNT	n40	5310	Ant1	5350	-49.61	2	-	47.62	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5350	-56.1	2	0.29	41.42	Average	54	Pass
NVNT	n40	5310	Ant1	5354.4	-45.08	2	-	52.15	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5460	-49.4	2	-	47.83	Peak	68.2	Pass
NVNT	n40	5310	Ant1	5460	-58.38	2	0.29	39.14	Average	54	Pass
NVNT	ac20	5260	Ant1	4500	-51.06	2	-	46.17	Peak	68.2	Pass



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NVNT	ac20	5260	Ant1	4500	-59.16	2	0.18	38.25	Average	54	Pass
NVNT	ac20	5260	Ant1	5098.26	-46.95	2	-	50.28	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	5140.38	-57.19	2	0.18	40.22	Average	54	Pass
NVNT	ac20	5260	Ant1	5150	-48.7	2	-	48.53	Peak	68.2	Pass
NVNT	ac20	5260	Ant1	5150	-57.66	2	0.18	39.75	Average	54	Pass
NVNT	ac20	5320	Ant1	5350	-49.81	2	-	47.42	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5350	-57.13	2	0.18	40.28	Average	54	Pass
NVNT	ac20	5320	Ant1	5359.2	-46.76	2	-	50.47	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5352.6	-56.63	2	0.18	40.78	Average	54	Pass
NVNT	ac20	5320	Ant1	5460	-48.65	2	-	48.58	Peak	68.2	Pass
NVNT	ac20	5320	Ant1	5460	-57.29	2	0.18	40.12	Average	54	Pass
NVNT	ac40	5270	Ant1	4500	-49.02	2	-	48.21	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	4500	-59.51	2	0.28	38	Average	54	Pass
NVNT	ac40	5270	Ant1	5101.02	-47.34	2	-	49.89	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	5013.54	-57.13	2	0.28	40.38	Average	54	Pass
NVNT	ac40	5270	Ant1	5150	-49.42	2	-	47.81	Peak	68.2	Pass
NVNT	ac40	5270	Ant1	5150	-57.98	2	0.28	39.53	Average	54	Pass
NVNT	ac40	5310	Ant1	5350	-47.37	2	-	49.86	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5350	-56.66	2	0.28	40.85	Average	54	Pass
NVNT	ac40	5310	Ant1	5356.2	-45.82	2	-	51.41	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5352.6	-56.22	2	0.28	41.29	Average	54	Pass
NVNT	ac40	5310	Ant1	5460	-50.95	2	-	46.28	Peak	68.2	Pass
NVNT	ac40	5310	Ant1	5460	-57.96	2	0.28	39.55	Average	54	Pass
NVNT	ac80	5290	Ant1	4500	-49.13	2	-	48.1	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	4500	-58.82	2	0.4	38.81	Average	54	Pass
NVNT	ac80	5290	Ant1	4788.84	-46.63	2	-	50.6	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5088.12	-56.94	2	0.4	40.69	Average	54	Pass
NVNT	ac80	5290	Ant1	5150	-48.51	2	-	48.72	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5150	-57.56	2	0.4	40.07	Average	54	Pass
NVNT	ac80	5290	Ant1	5350	-47.56	2	-	49.67	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5350	-56.06	2	0.4	41.57	Average	54	Pass
NVNT	ac80	5290	Ant1	5368	-44.8	2	-	52.43	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5350.75	-55.21	2	0.4	42.42	Average	54	Pass
NVNT	ac80	5290	Ant1	5460	-48.88	2	-	48.35	Peak	68.2	Pass
NVNT	ac80	5290	Ant1	5460	-57.8	2	0.4	39.83	Average	54	Pass



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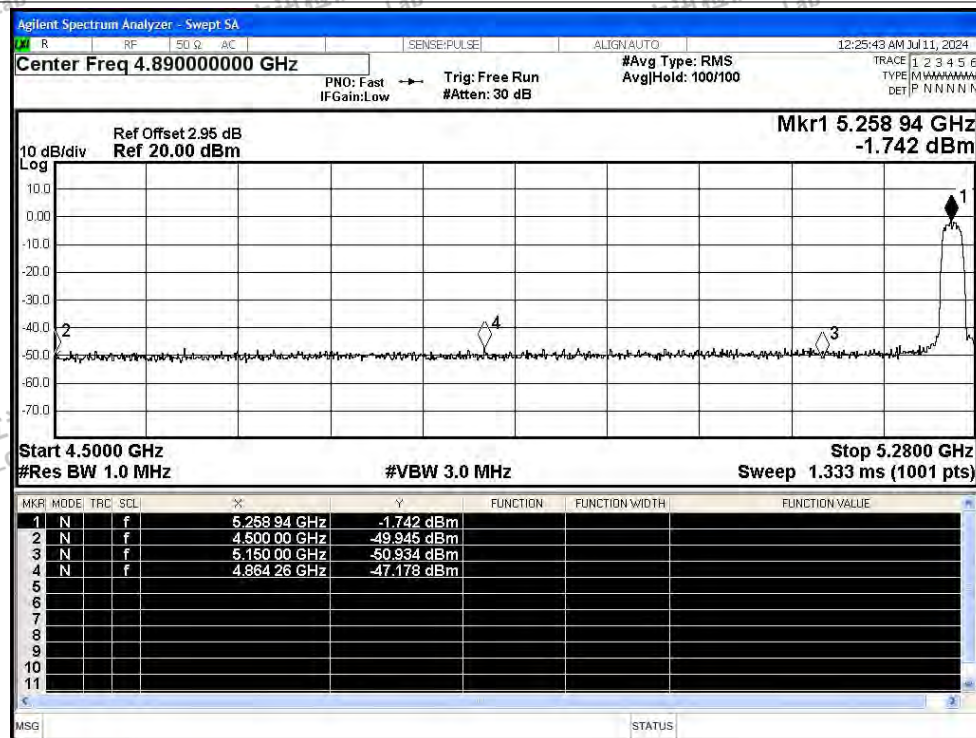
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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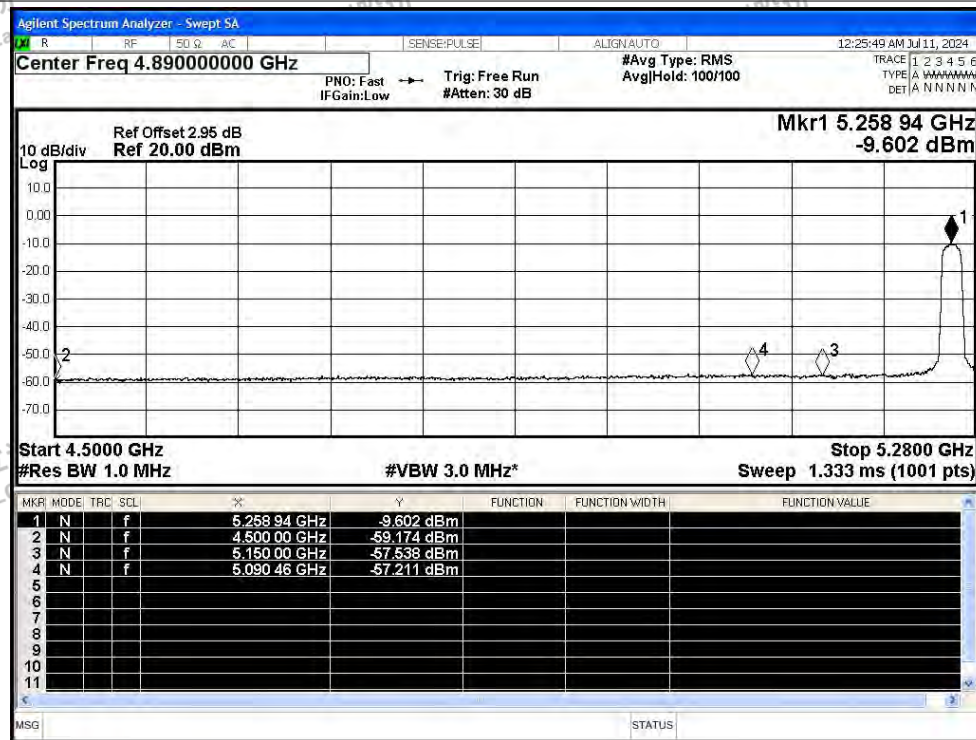


Test Graphs

Restrict Band NVNT a 5260MHz Ant1 Peak



Restrict Band NVNT a 5260MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

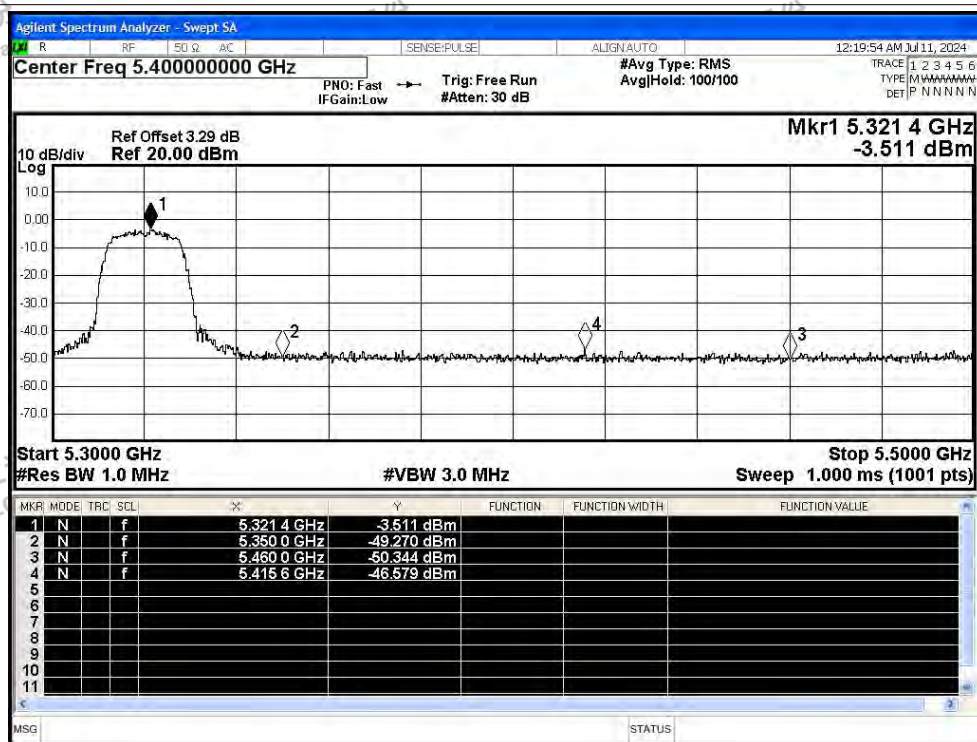
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

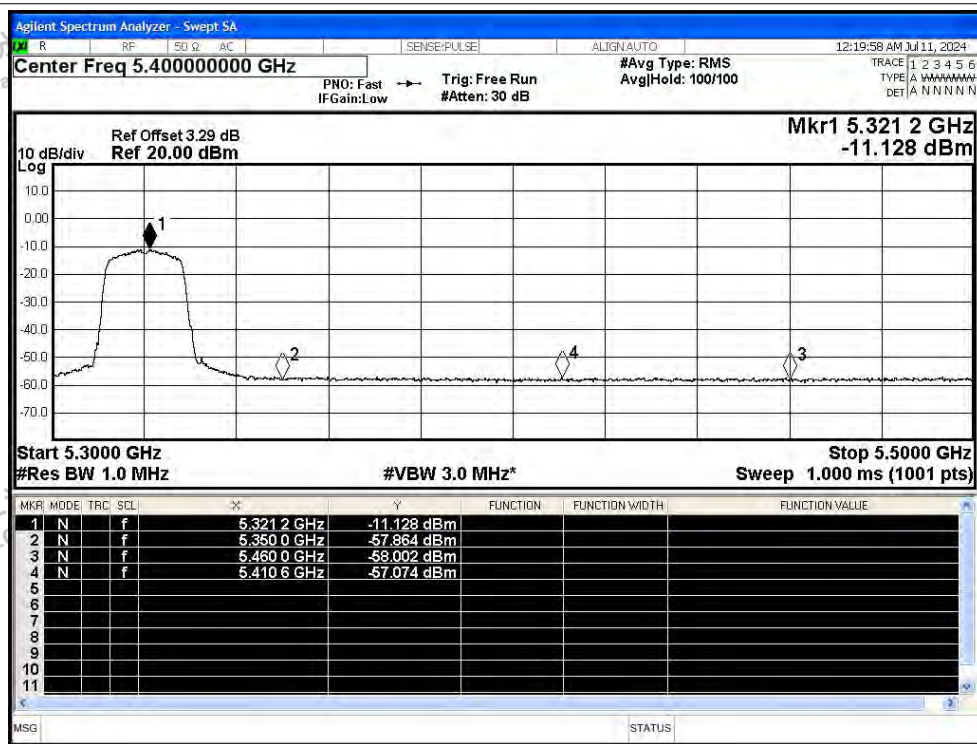
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Restrict Band NVNT a 5320MHz Ant1 Peak



Restrict Band NVNT a 5320MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

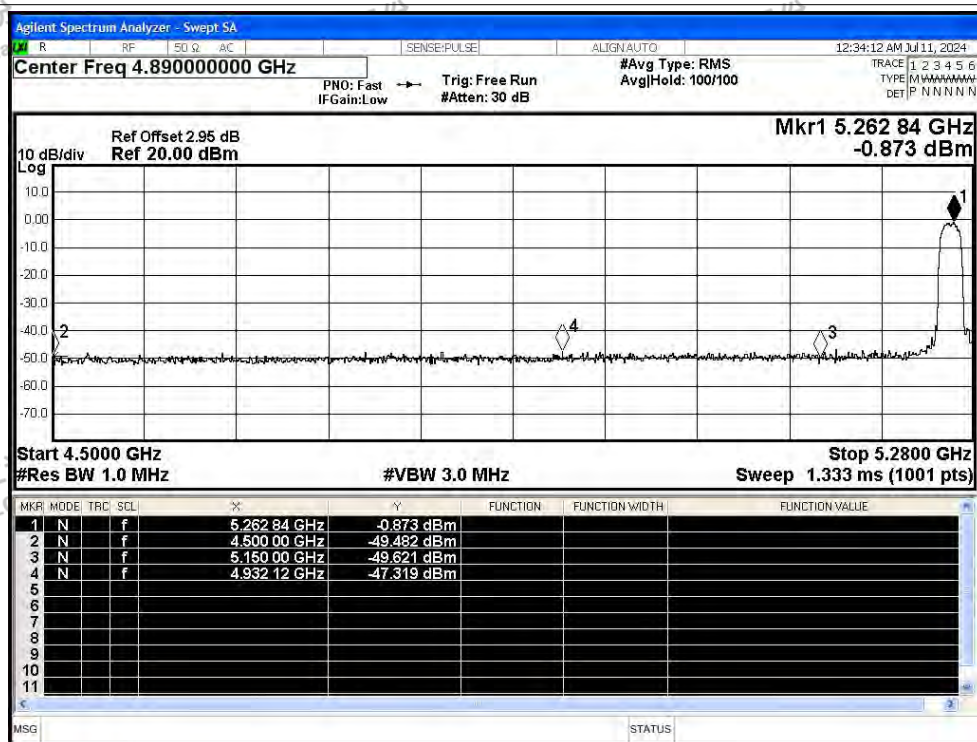
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

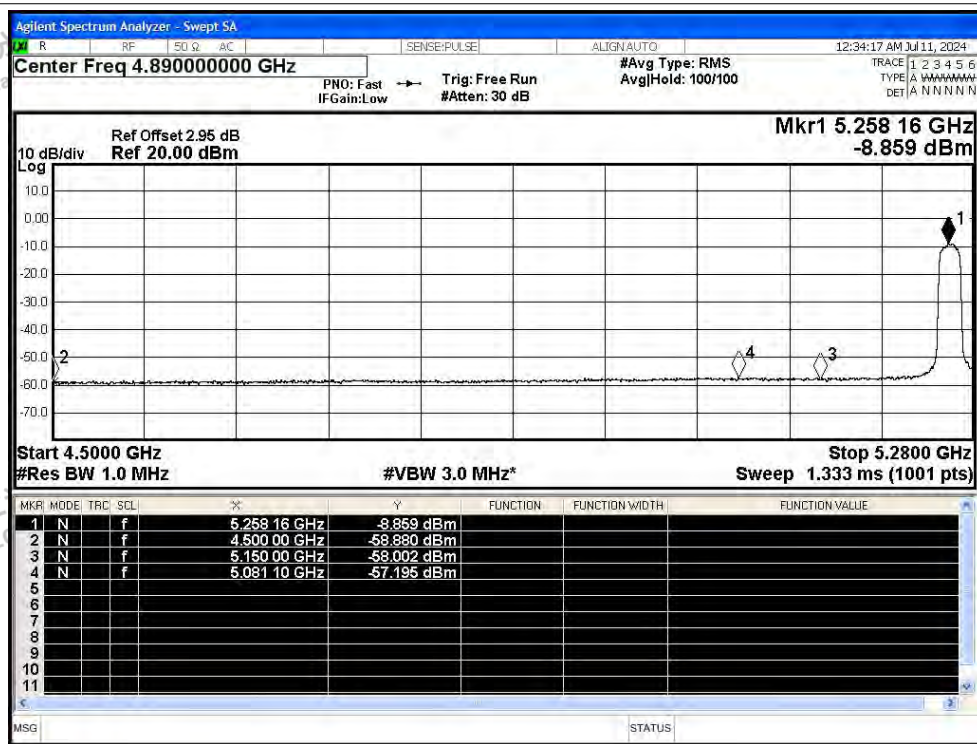
Scan code to check authenticity



Restrict Band NVNT n20 5260MHz Ant1 Peak



Restrict Band NVNT n20 5260MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

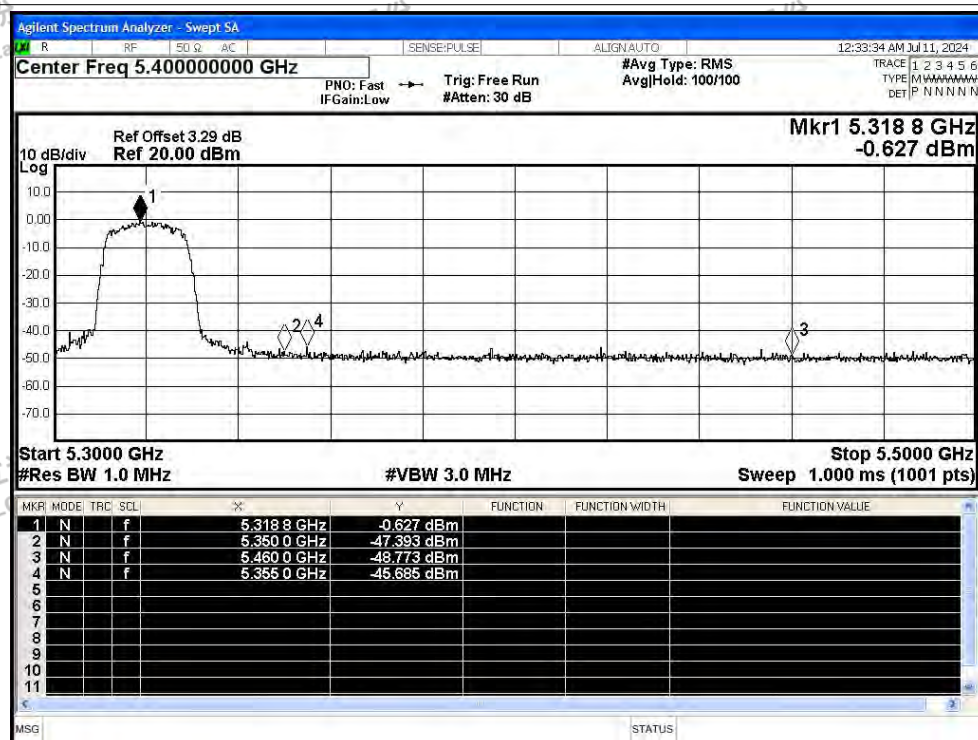
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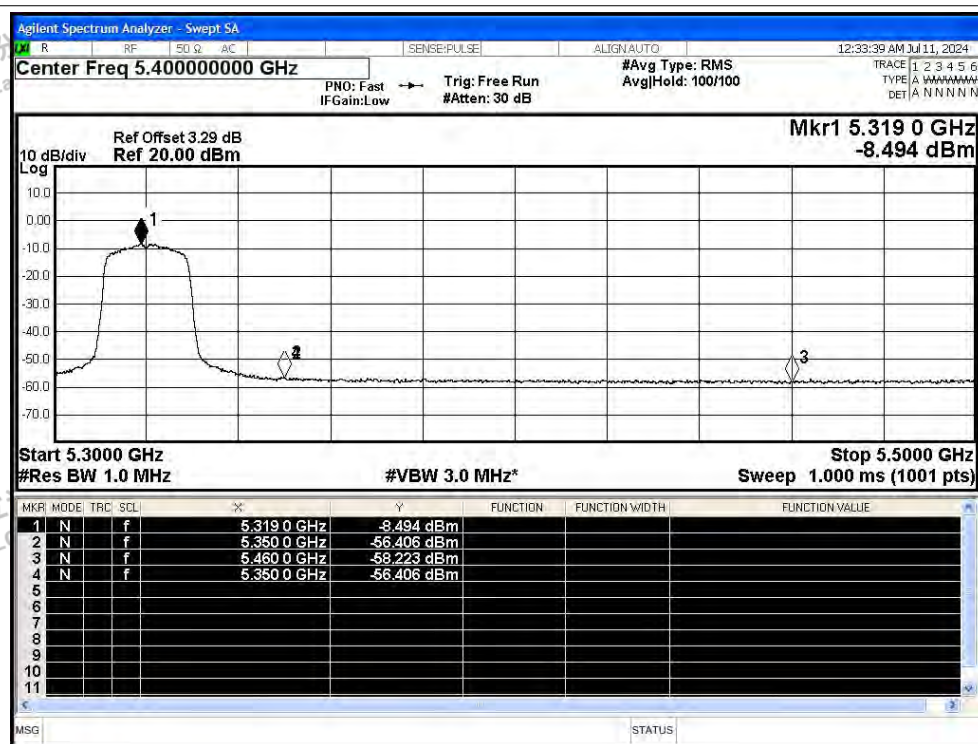
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Restrict Band NVNT n20 5320MHz Ant1 Peak



Restrict Band NVNT n20 5320MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

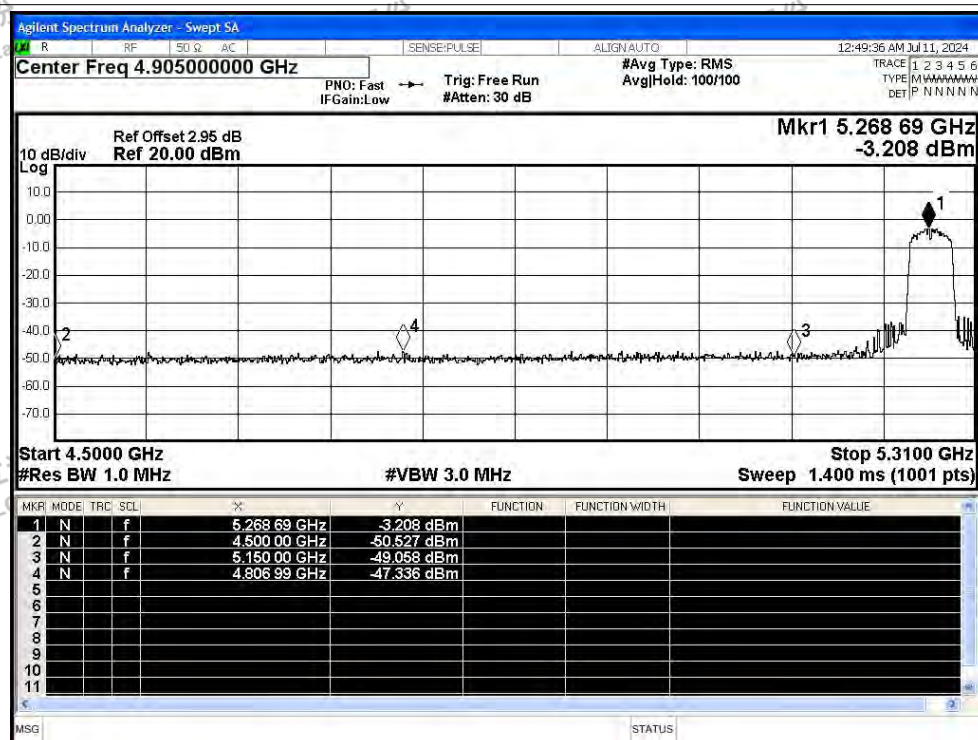
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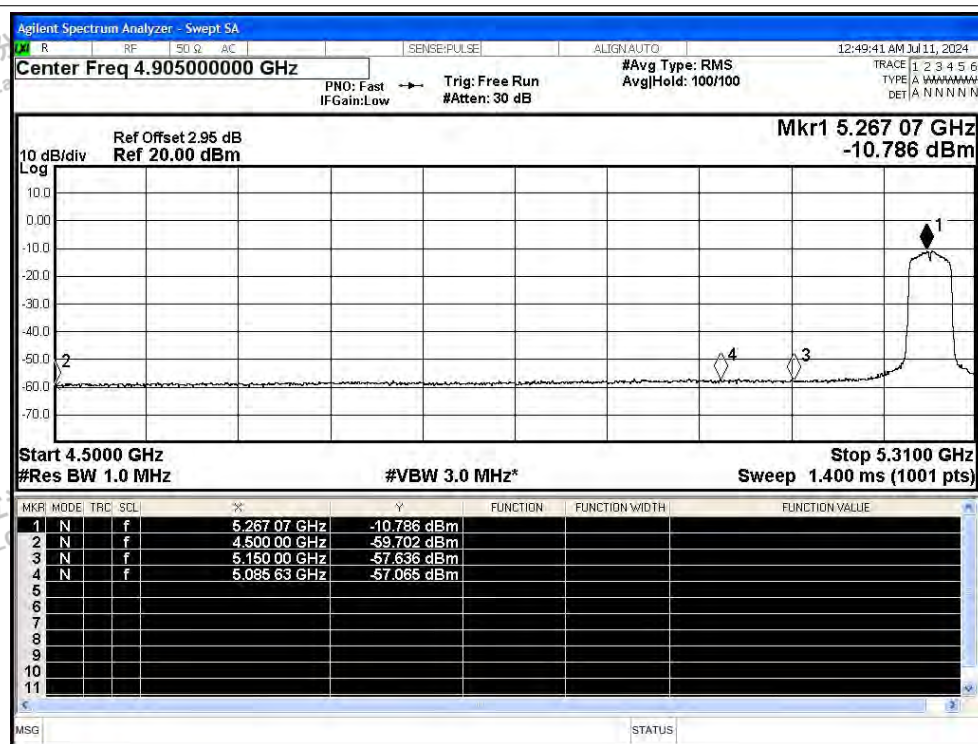
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Restrict Band NVNT n40 5270MHz Ant1 Peak



Restrict Band NVNT n40 5270MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

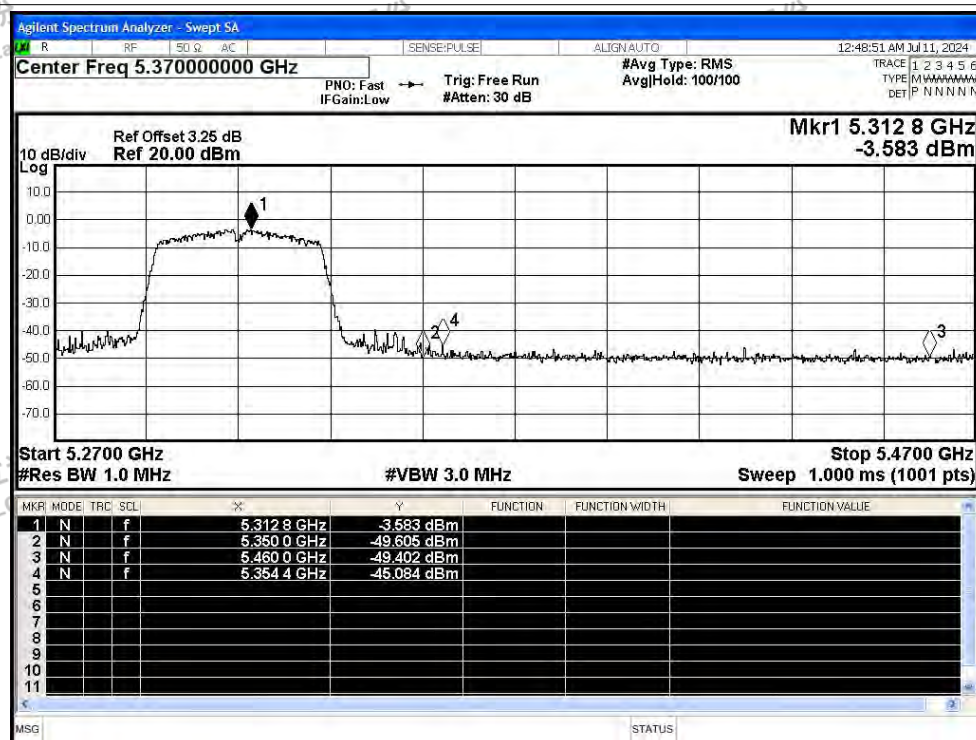
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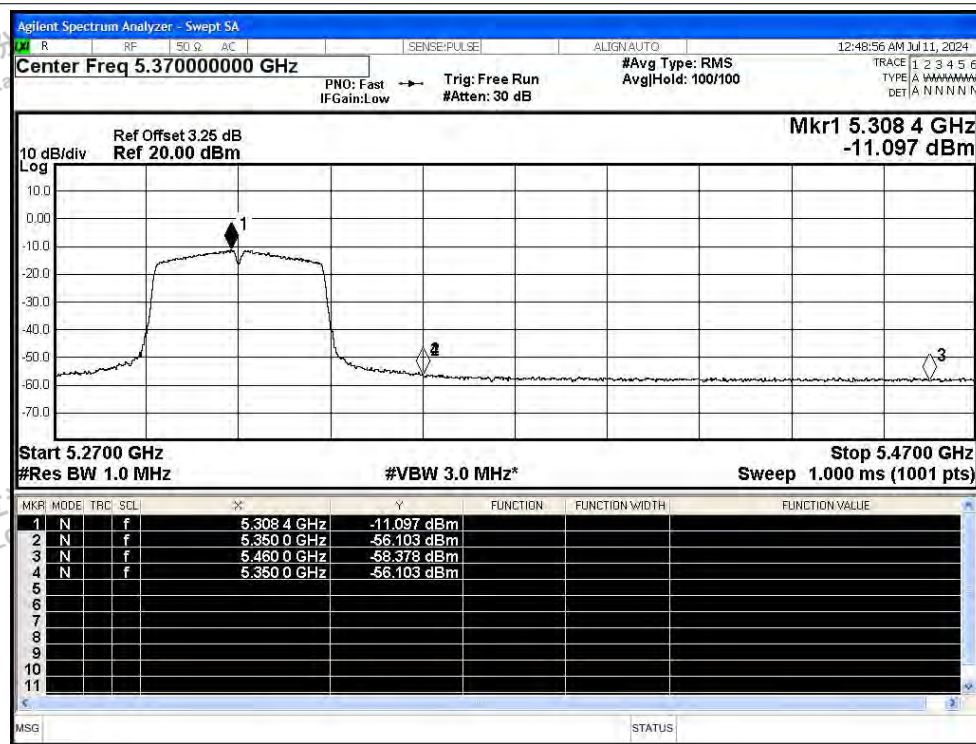
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Restrict Band NVNT n40 5310MHz Ant1 Peak



Restrict Band NVNT n40 5310MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

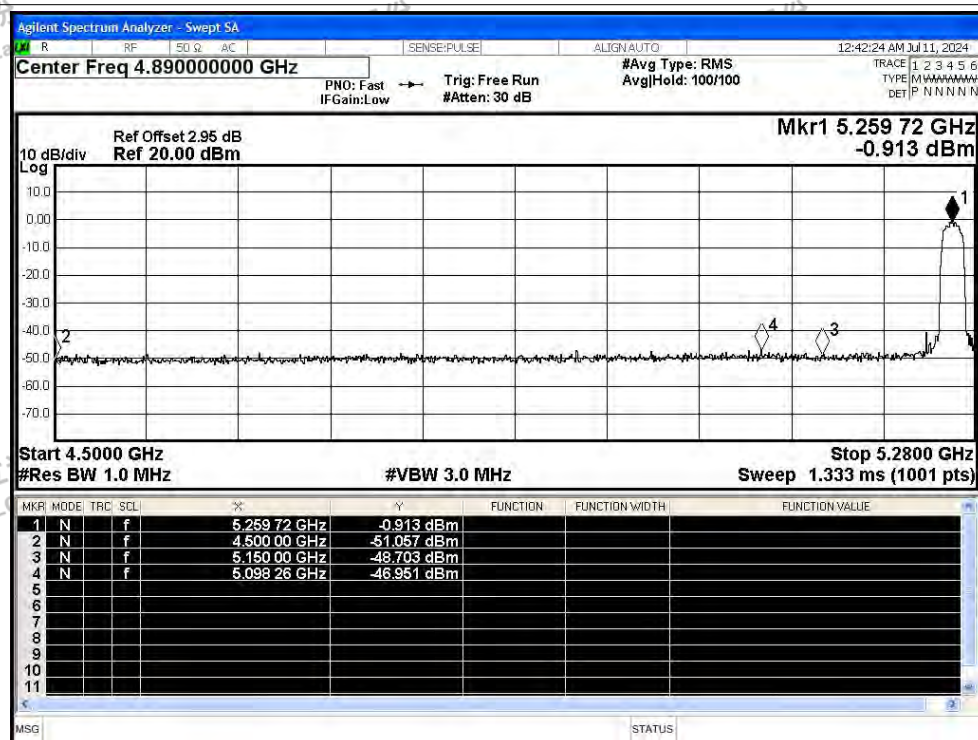
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

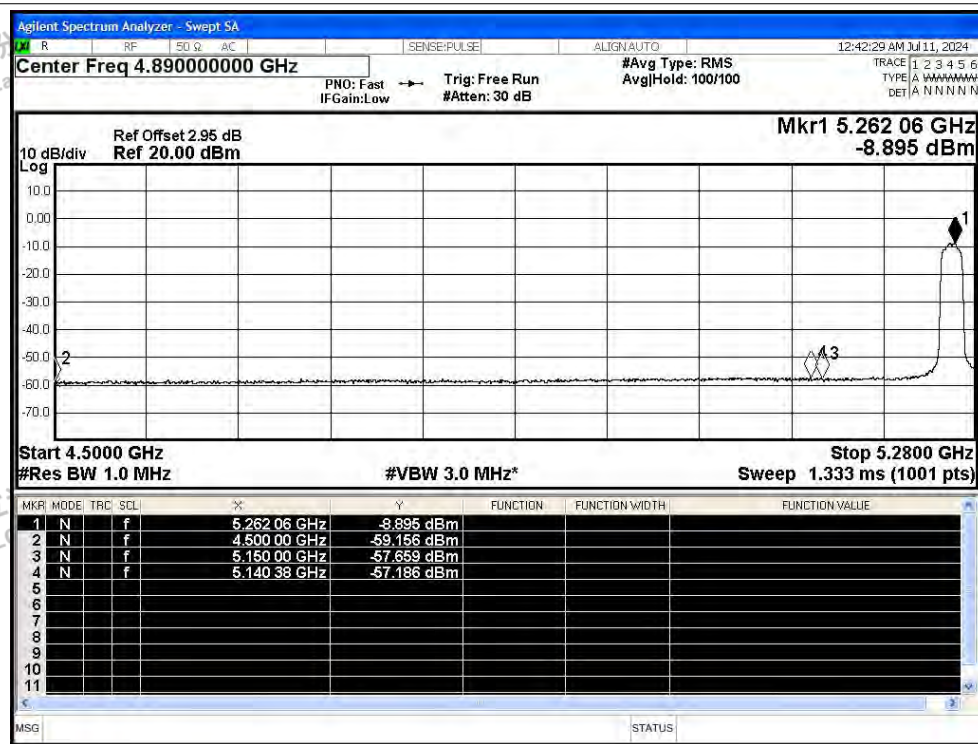
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Restrict Band NVNT ac20 5260MHz Ant1 Peak



Restrict Band NVNT ac20 5260MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

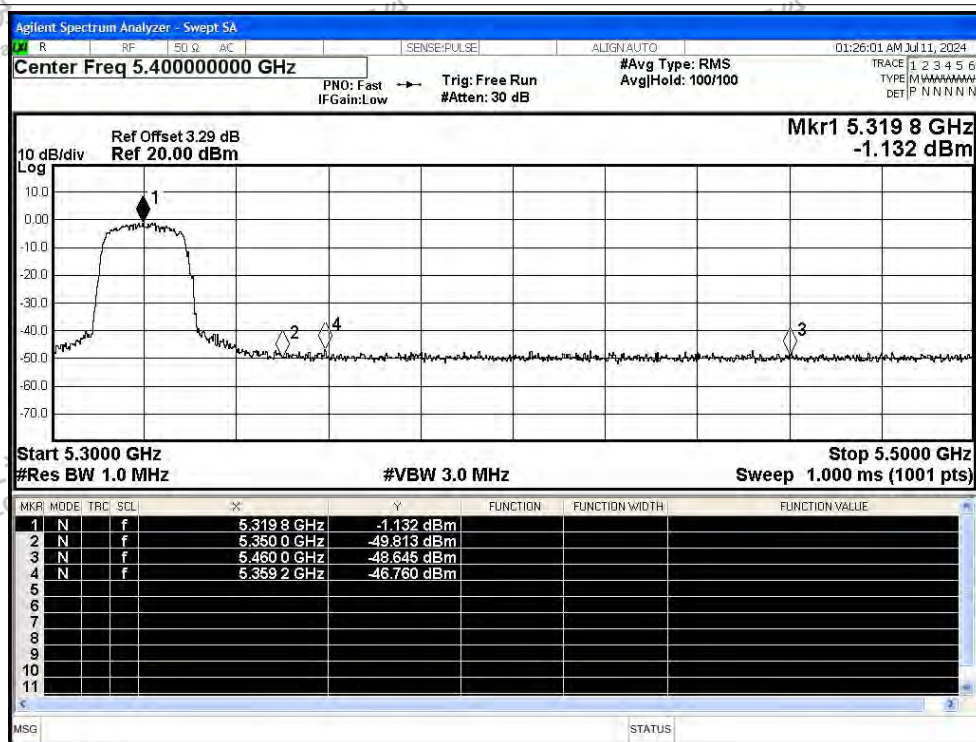
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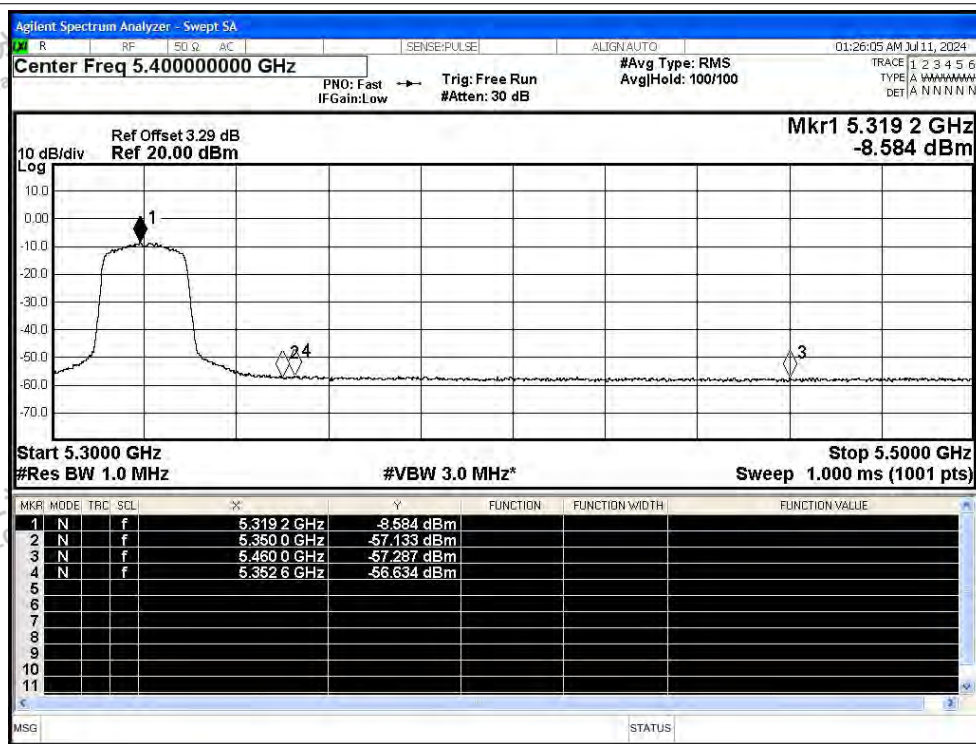
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Restrict Band NVNT ac20 5320MHz Ant1 Peak



Restrict Band NVNT ac20 5320MHz Ant1 Average



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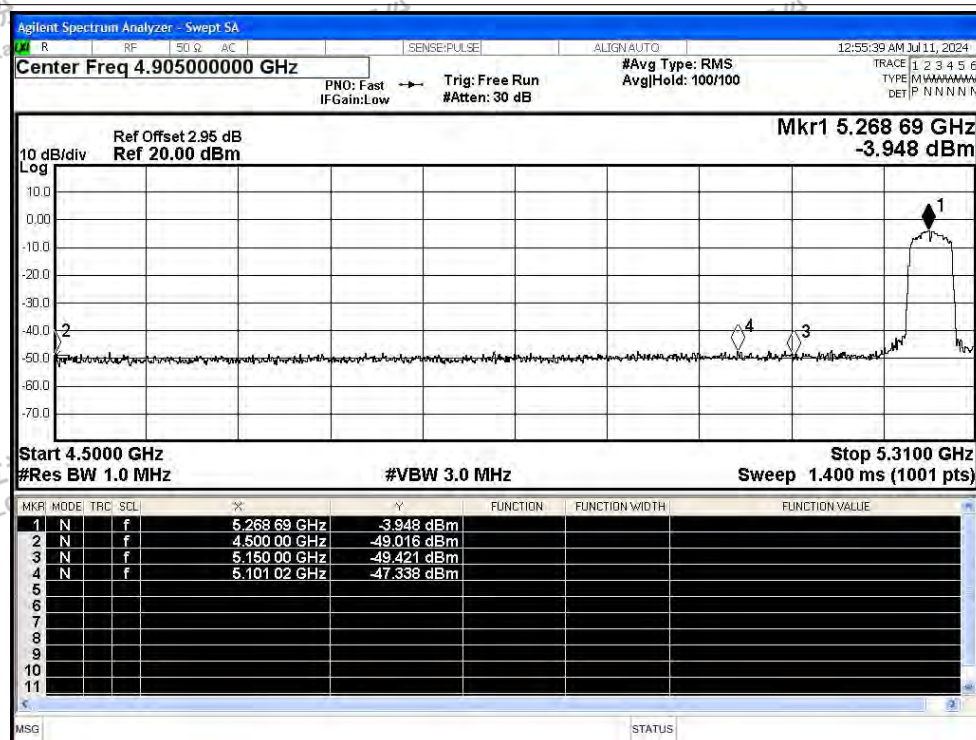
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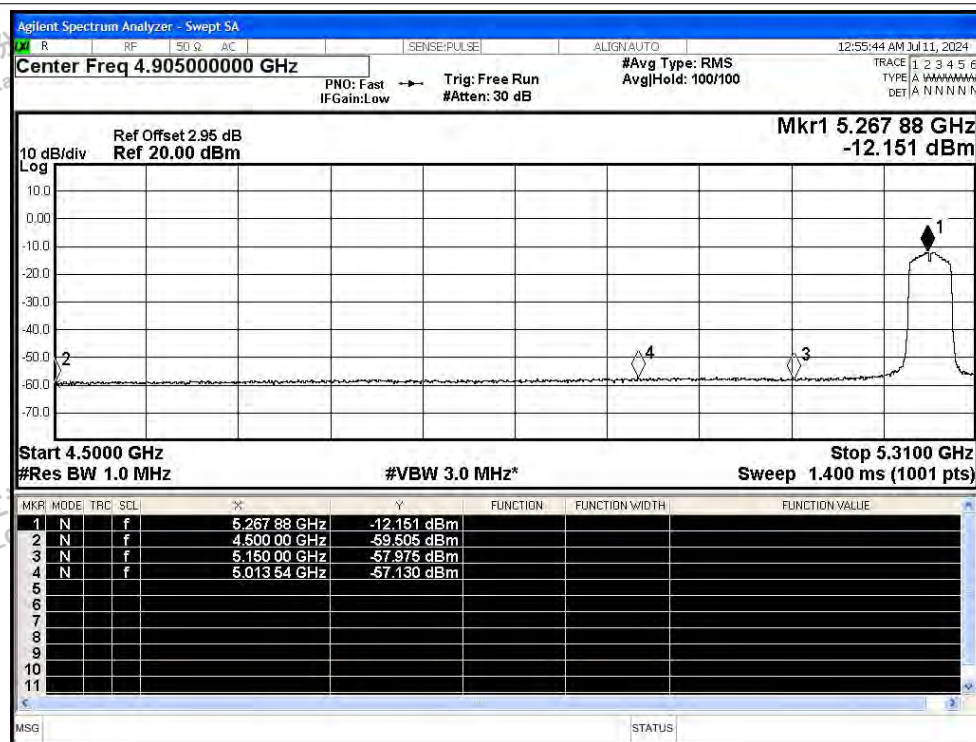
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Restrict Band NVNT ac40 5270MHz Ant1 Peak



Restrict Band NVNT ac40 5270MHz Ant1 Average



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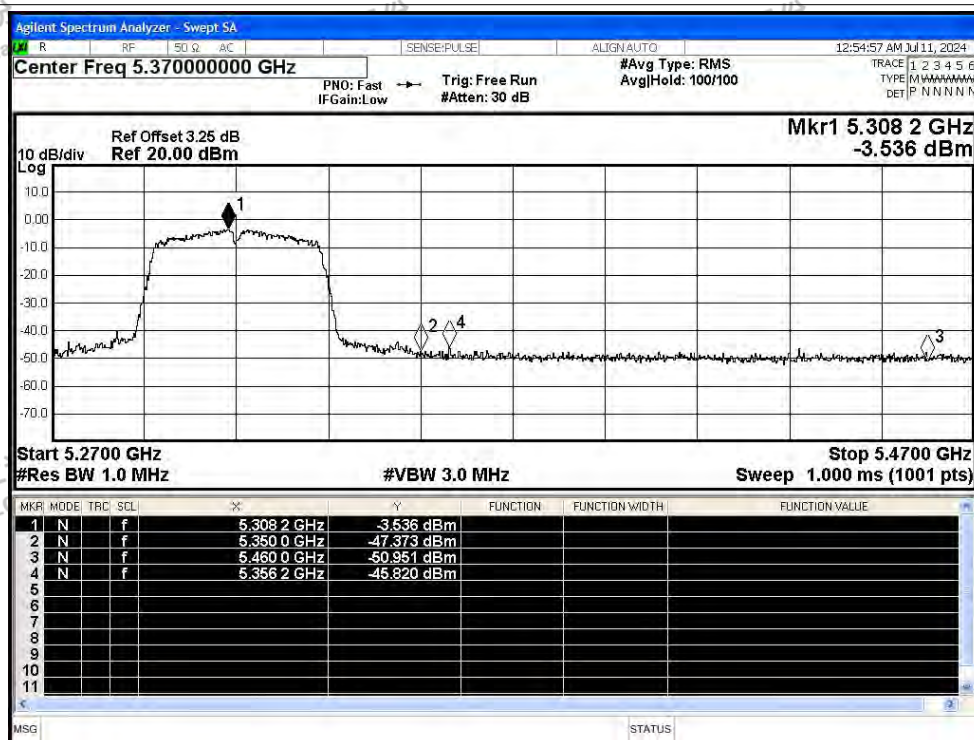
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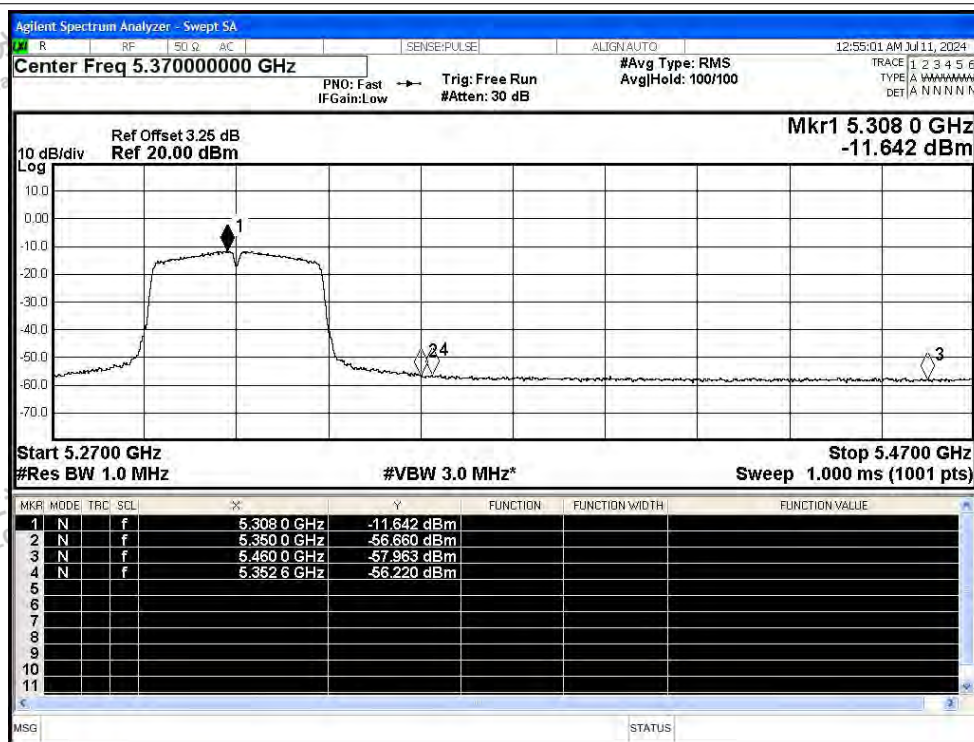
Scan code to check authenticity



Restrict Band NVNT ac40 5310MHz Ant1 Peak



Restrict Band NVNT ac40 5310MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

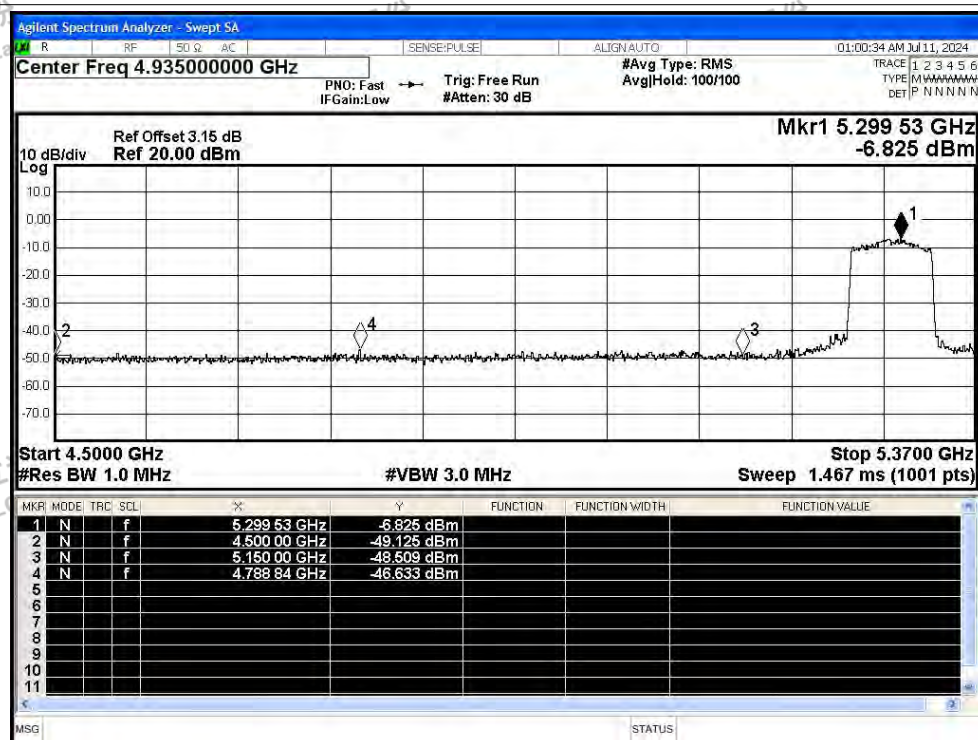
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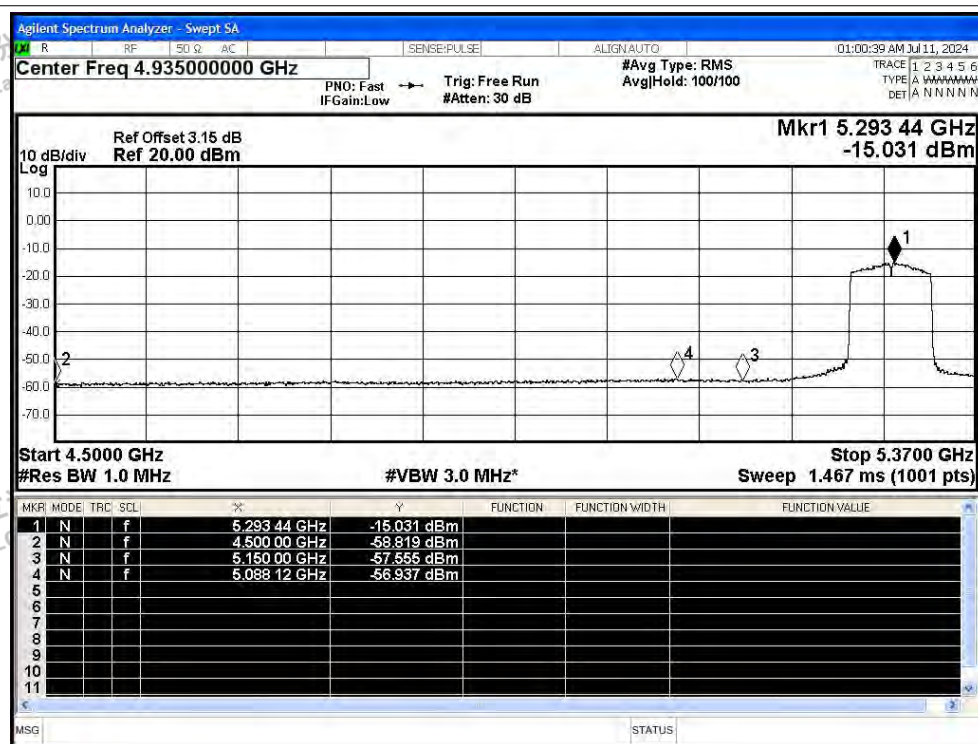
Scan code to check authenticity



Restrict Band NVNT ac80 5290MHz Ant1 Peak



Restrict Band NVNT ac80 5290MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

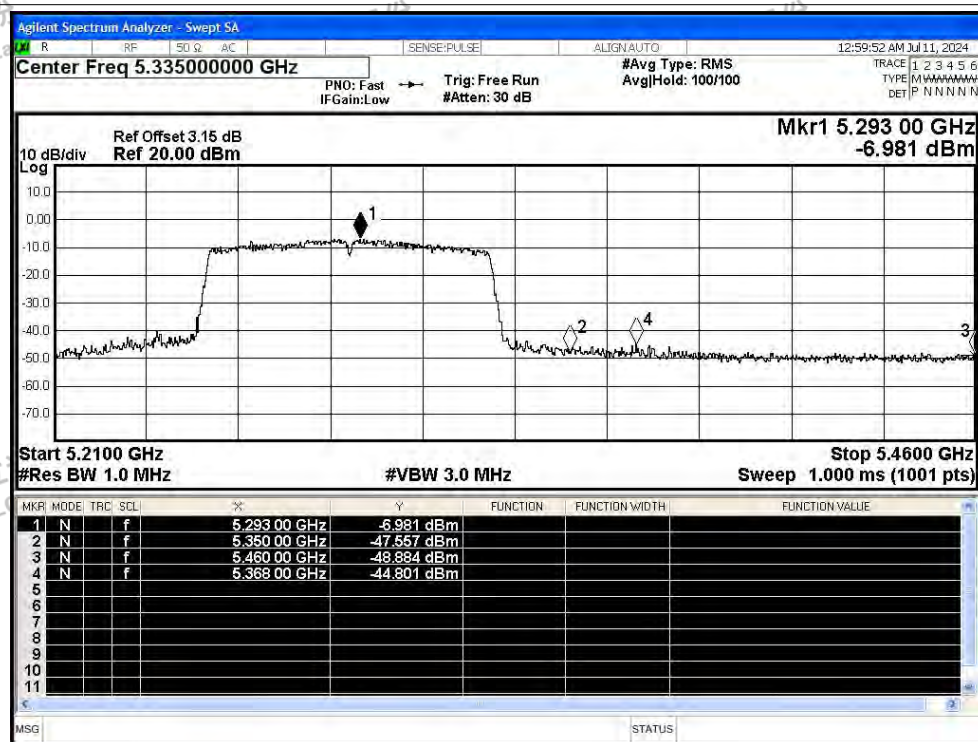
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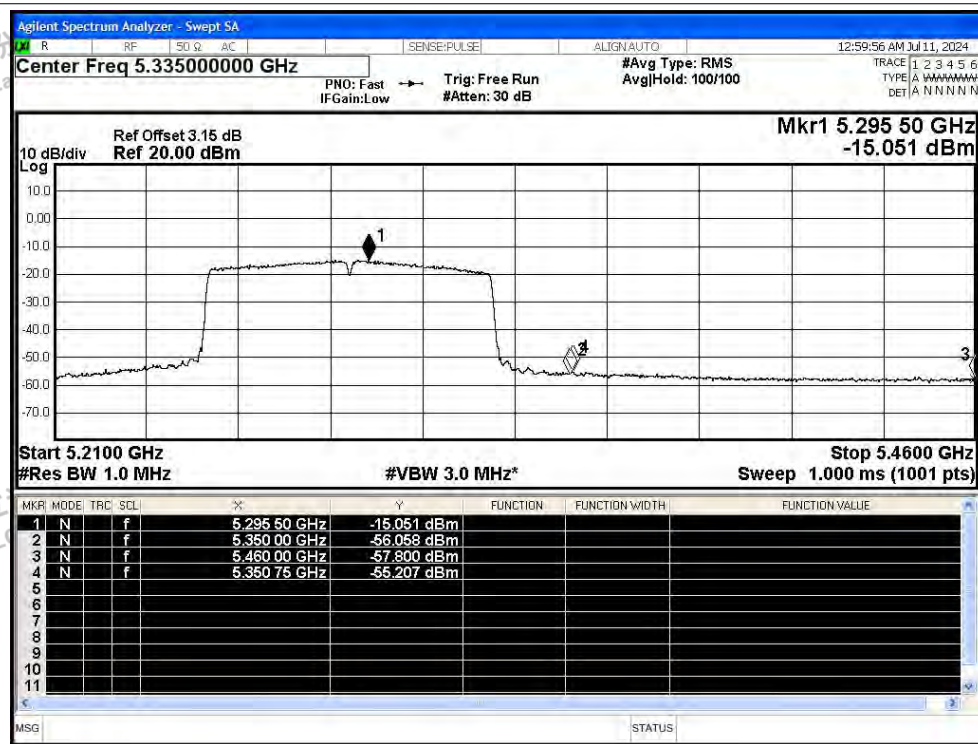
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Restrict Band NVNT ac80 5290MHz Ant1 Peak



Restrict Band NVNT ac80 5290MHz Ant1 Average



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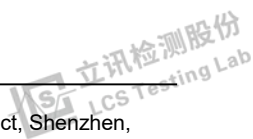
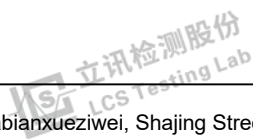
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C.5 Frequency Stability

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	5299.96	-40000	-7.55	25	Pass
NVNT	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
NVNT	ac40	5270	Ant1	5270	0	0	25	Pass
NVNT	ac40	5310	Ant1	5309.92	-80000	-15.07	25	Pass
NVNT	ac80	5290	Ant1	5290	0	0	25	Pass

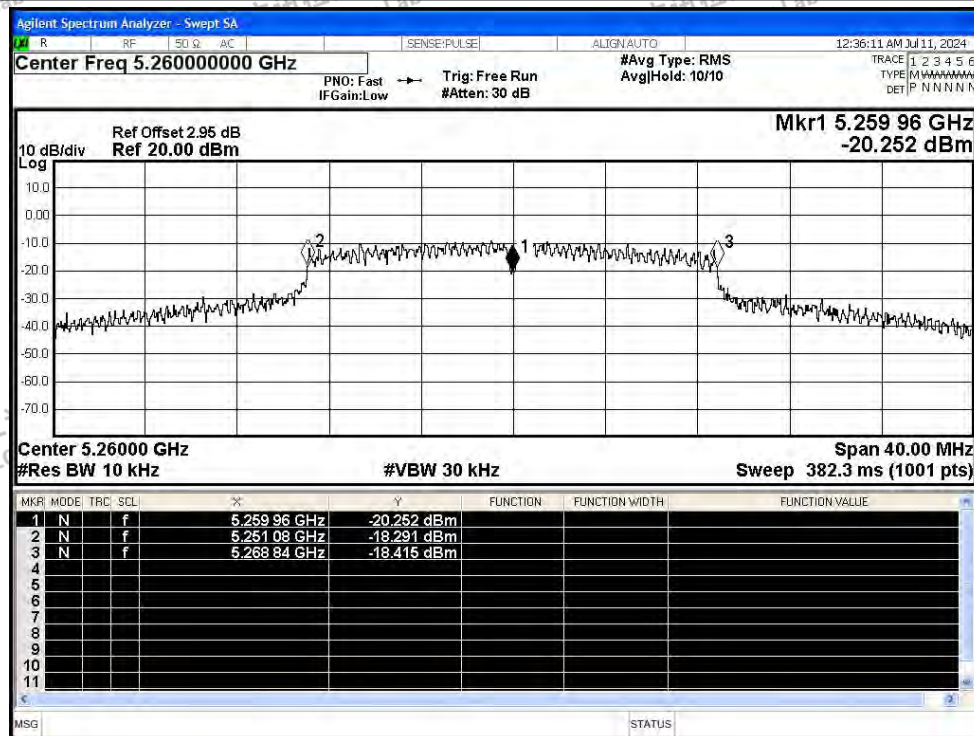


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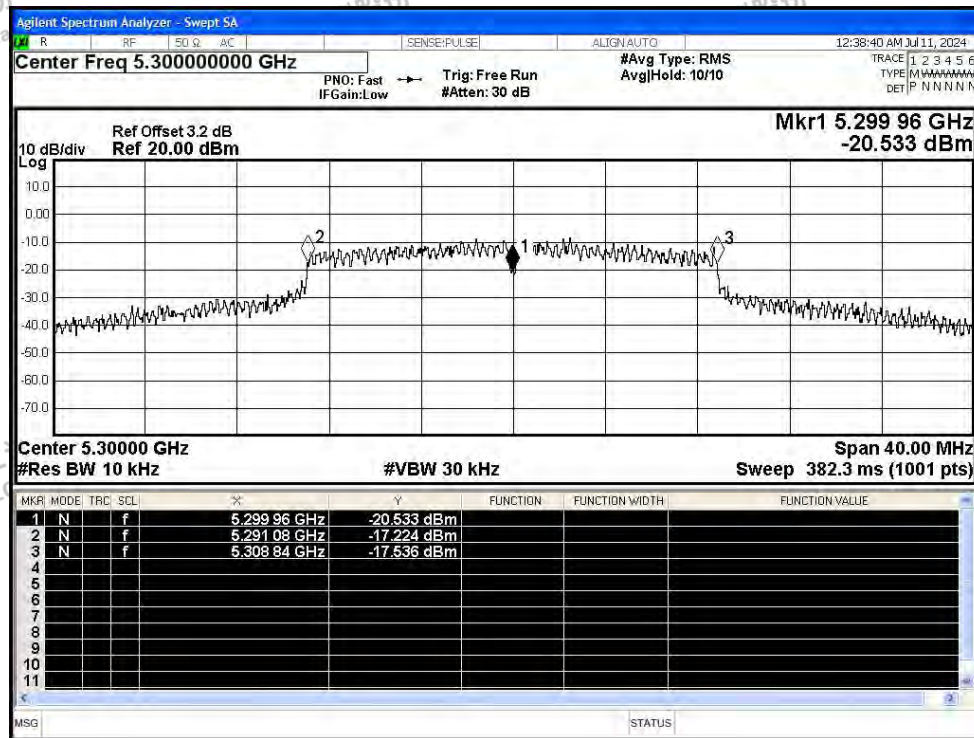


Test Graphs

Freq. Stability NVNT ac20 5260MHz Ant1



Freq. Stability NVNT ac20 5300MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

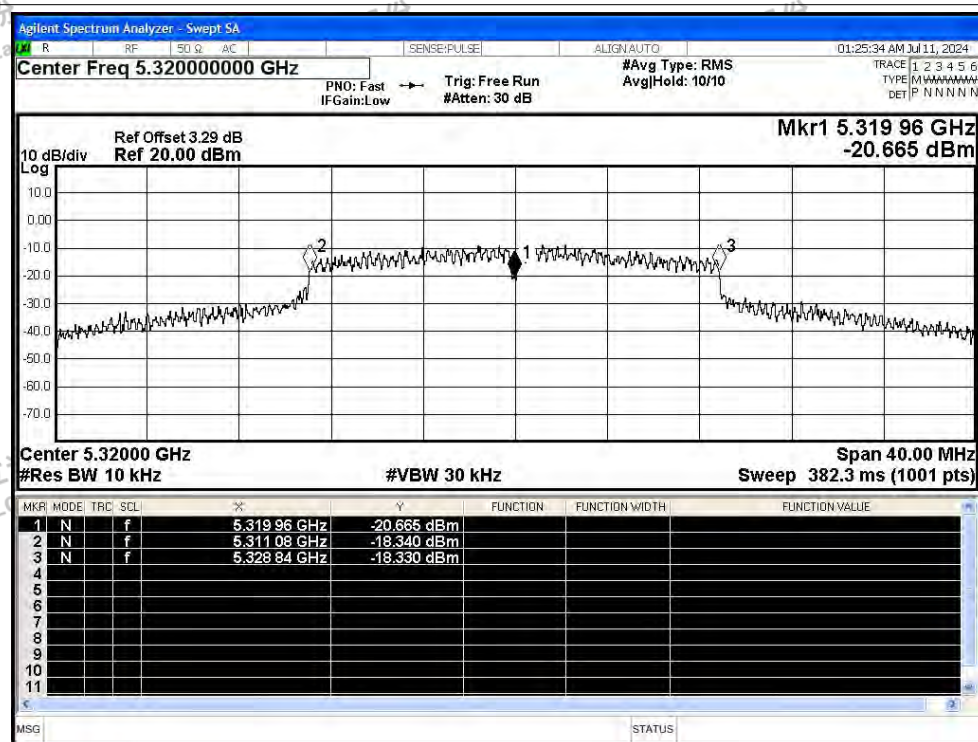
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

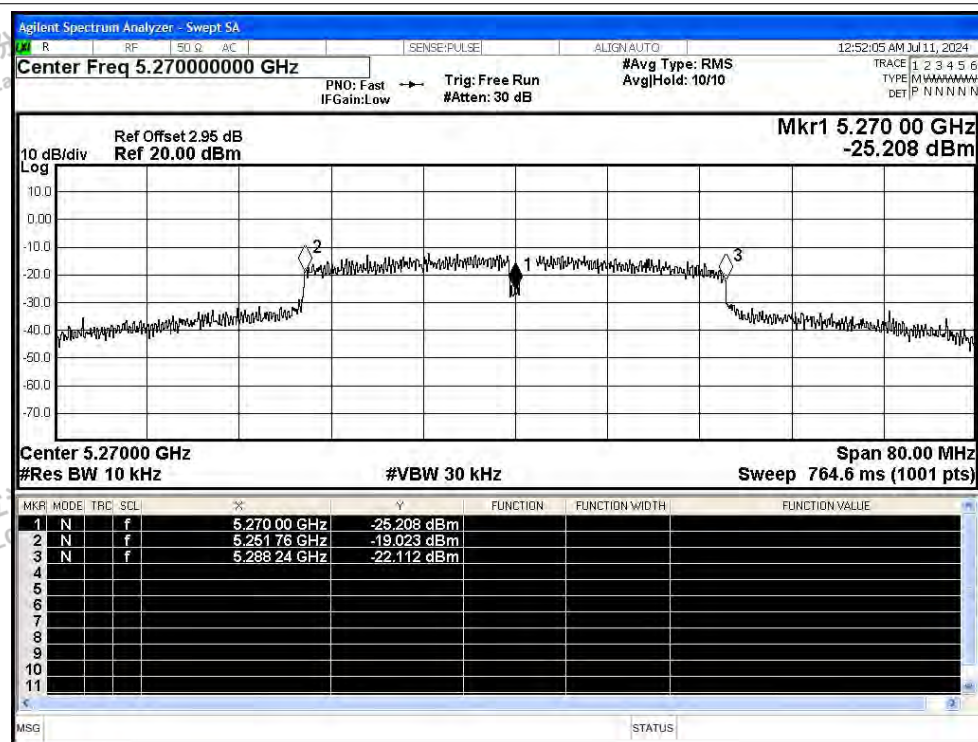
Scan code to check authenticity



Freq. Stability NVNT ac20 5320MHz Ant1



Freq. Stability NVNT ac40 5270MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

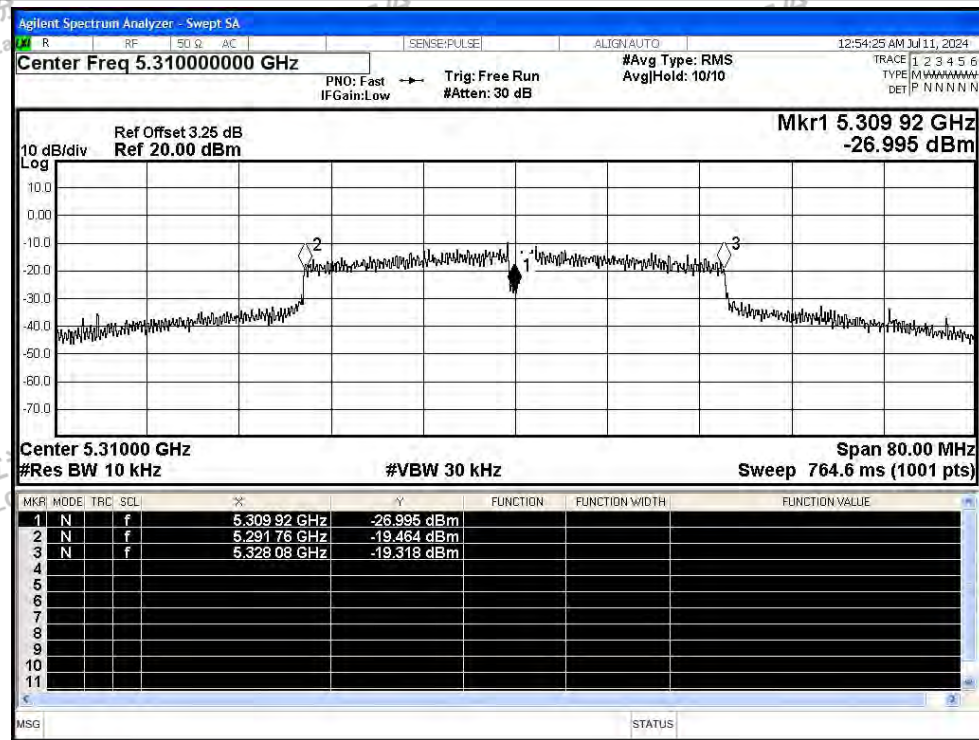
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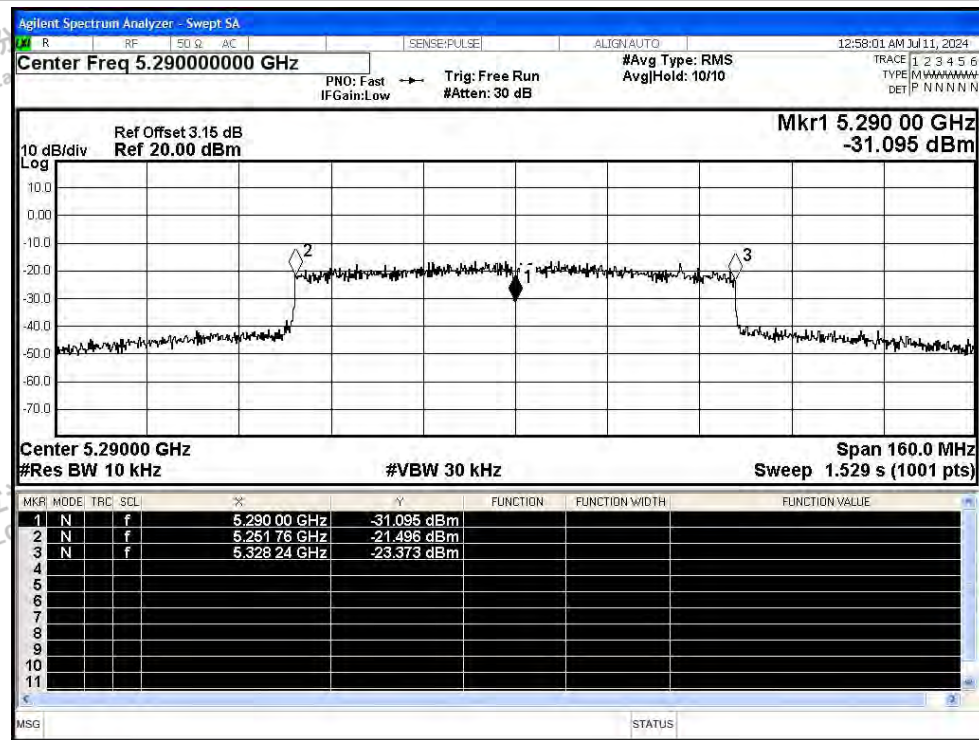
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Freq. Stability NVNT ac40 5310MHz Ant1



Freq. Stability NVNT ac80 5290MHz Ant1



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C.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	96.13	0.17	0.91
NVNT	a	5300	Ant1	96.13	0.17	0.91
NVNT	a	5320	Ant1	96.13	0.17	0.91
NVNT	n20	5260	Ant1	95.79	0.19	0.98
NVNT	n20	5300	Ant1	95.88	0.18	0.98
NVNT	n20	5320	Ant1	95.88	0.18	0.98
NVNT	n40	5270	Ant1	93.65	0.28	1.58
NVNT	n40	5310	Ant1	93.49	0.29	1.58
NVNT	ac20	5260	Ant1	95.93	0.18	0.96
NVNT	ac20	5300	Ant1	95.93	0.18	0.96
NVNT	ac20	5320	Ant1	95.93	0.18	0.97
NVNT	ac40	5270	Ant1	93.71	0.28	1.56
NVNT	ac40	5310	Ant1	93.71	0.28	1.56
NVNT	ac80	5290	Ant1	91.2	0.4	2.19

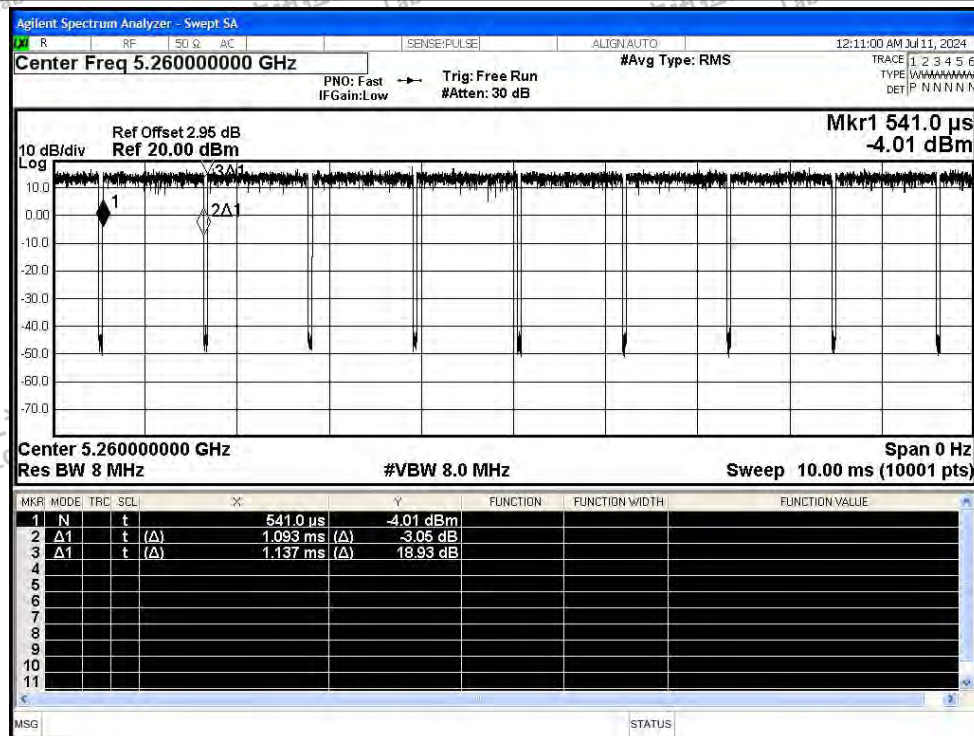


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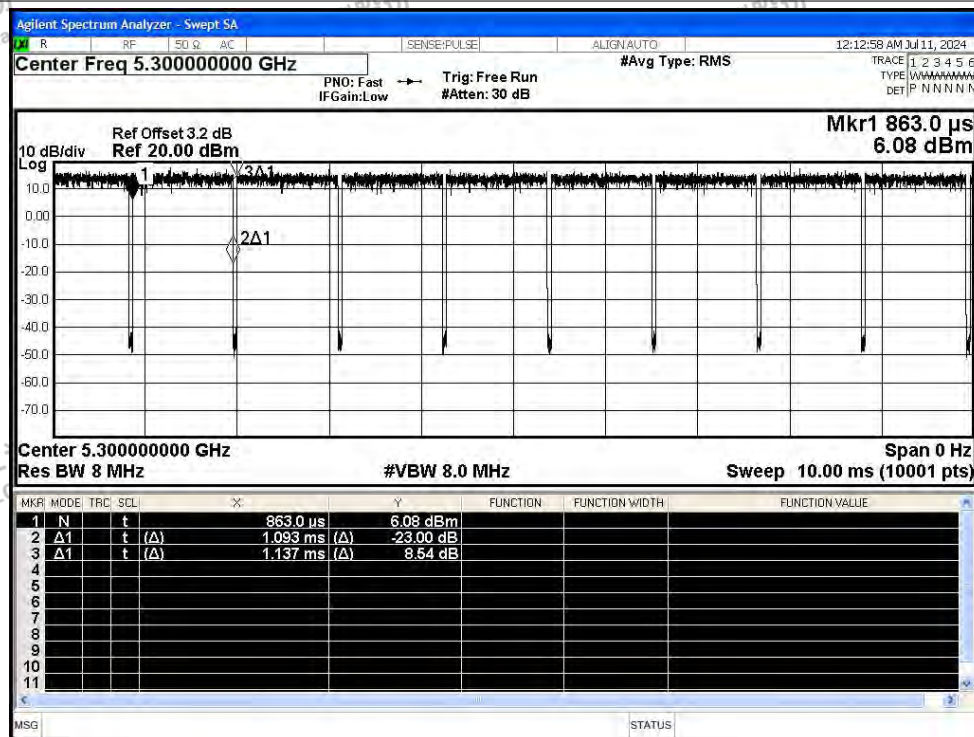


Test Graphs

Duty Cycle NVNT a 5260MHz Ant1



Duty Cycle NVNT a 5300MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

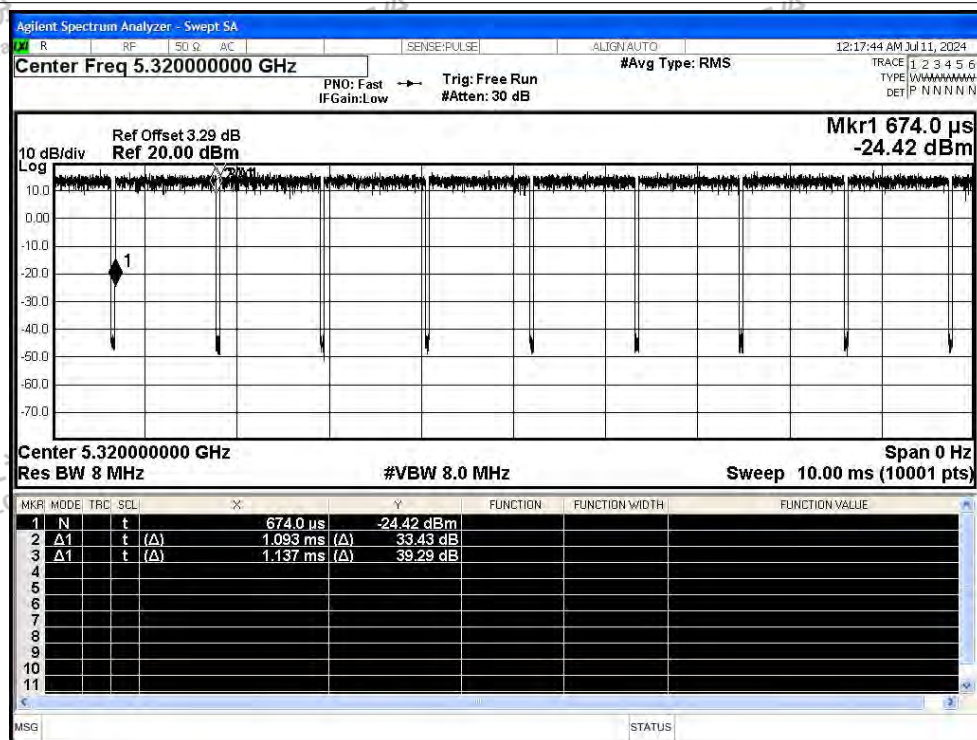
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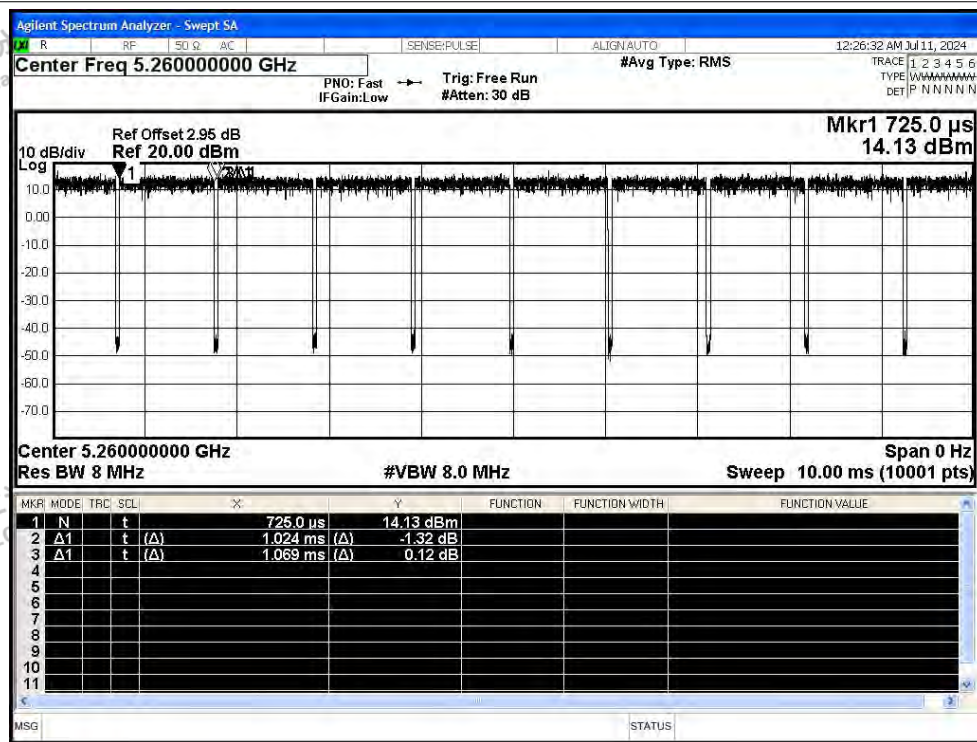
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Duty Cycle NVNT a 5320MHz Ant1



Duty Cycle NVNT n20 5260MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

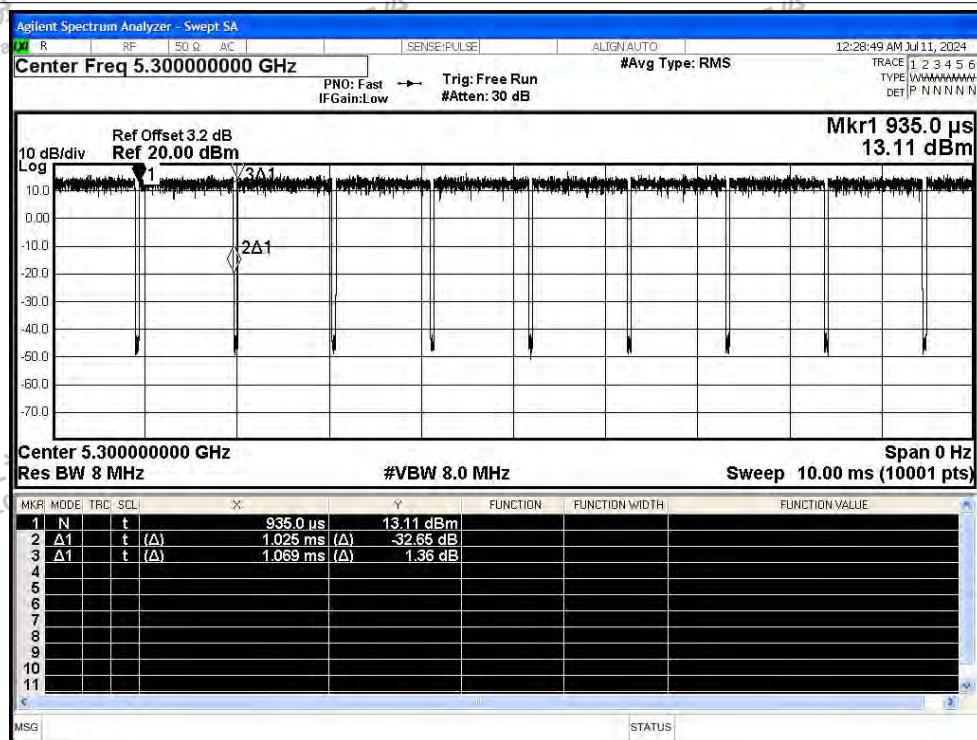
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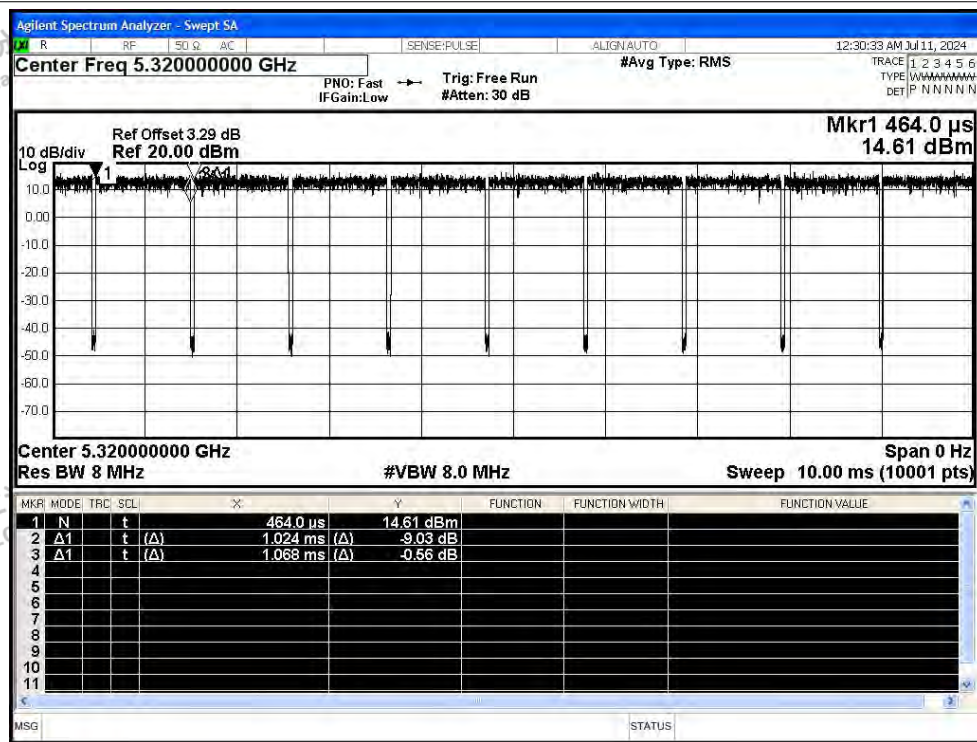
Scan code to check authenticity



Duty Cycle NVNT n20 5300MHz Ant1



Duty Cycle NVNT n20 5320MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

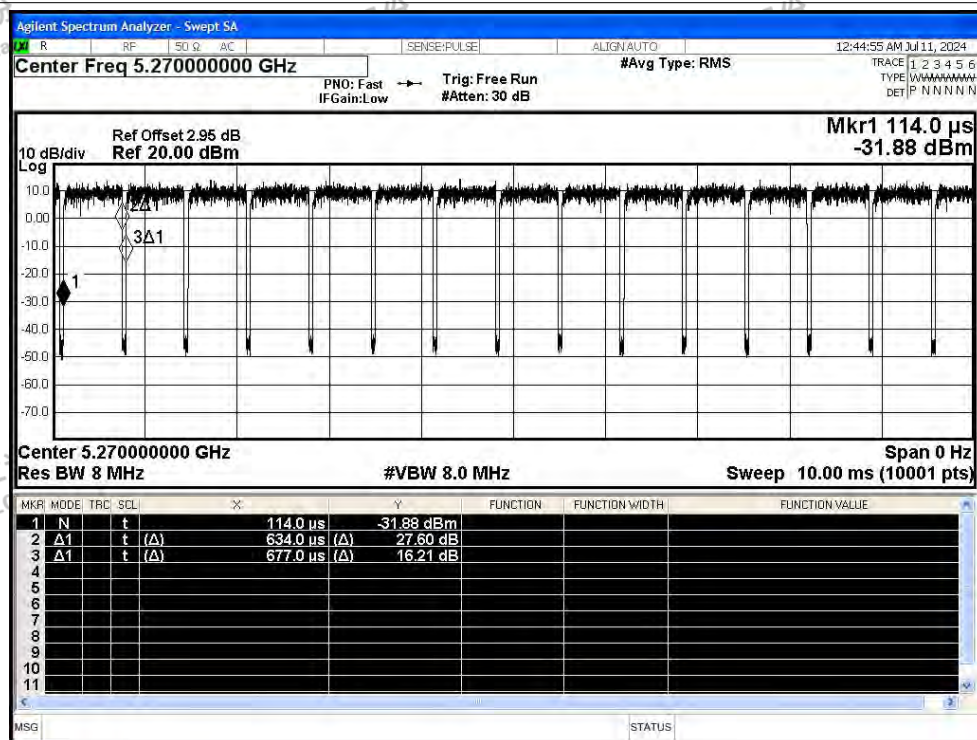
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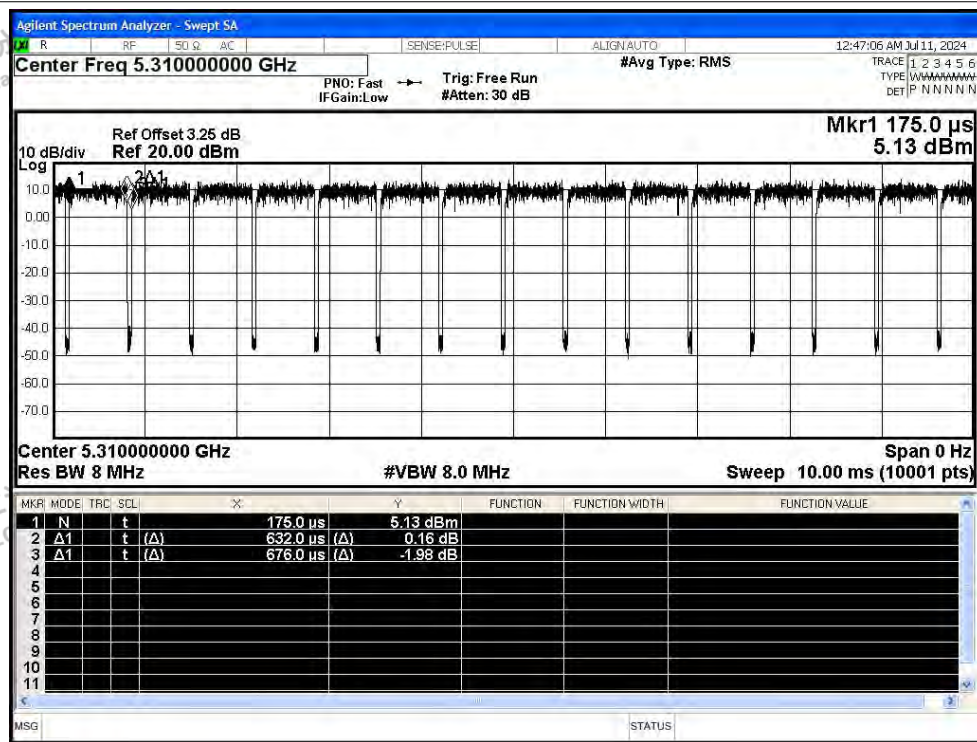
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Duty Cycle NVNT n40 5270MHz Ant1



Duty Cycle NVNT n40 5310MHz Ant1



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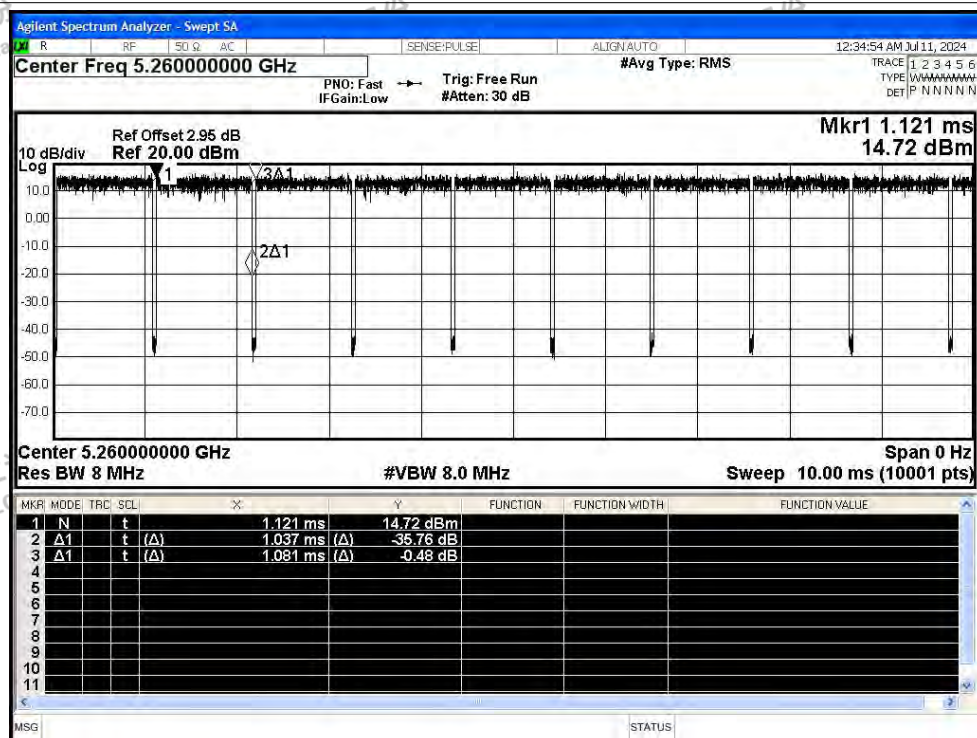
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

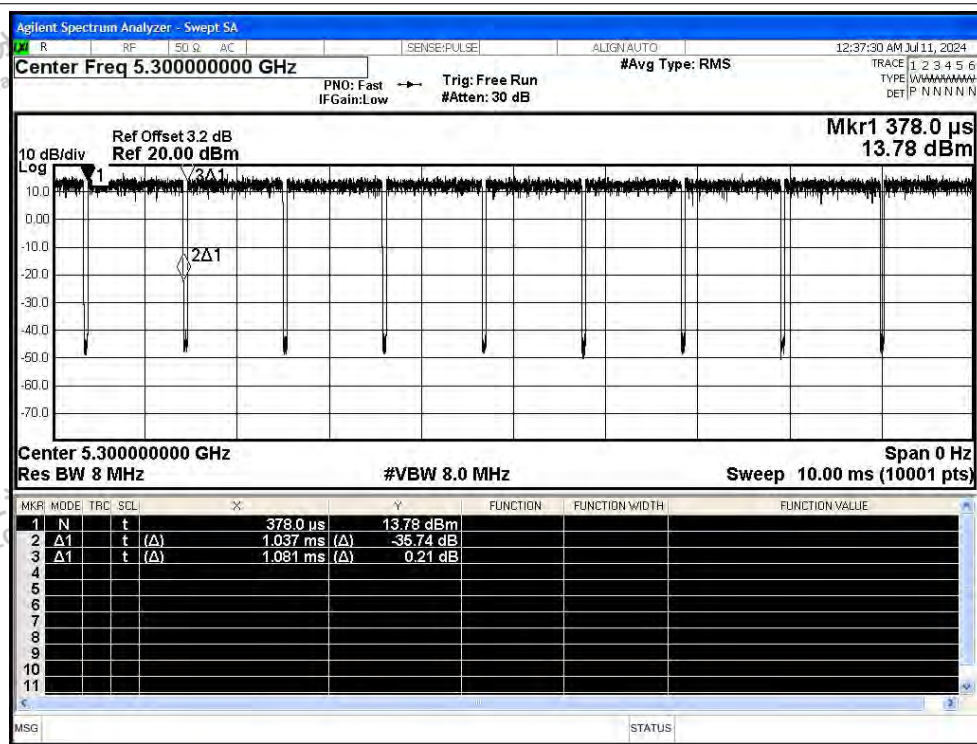
Scan code to check authenticity



Duty Cycle NVNT ac20 5260MHz Ant1



Duty Cycle NVNT ac20 5300MHz Ant1



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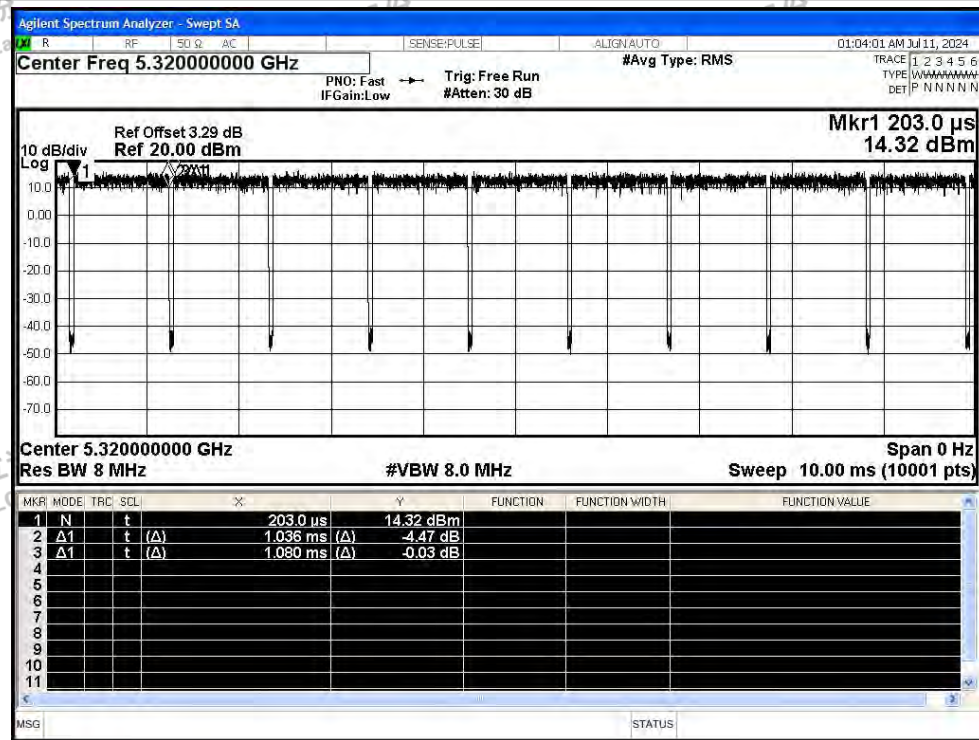
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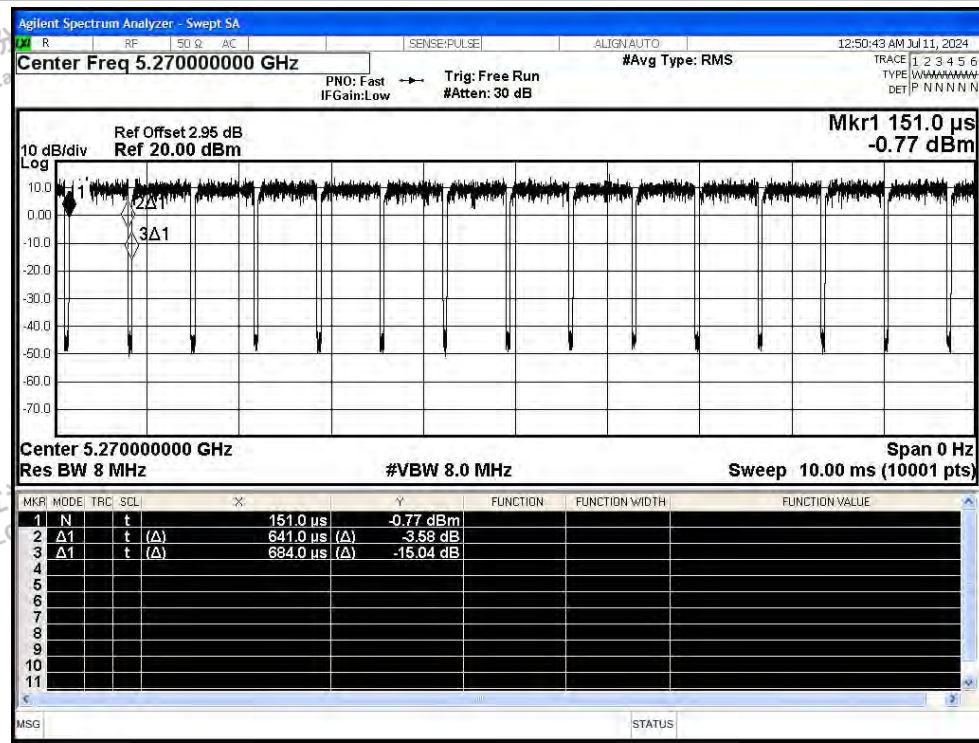
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Duty Cycle NVNT ac20 5320MHz Ant1



Duty Cycle NVNT ac40 5270MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

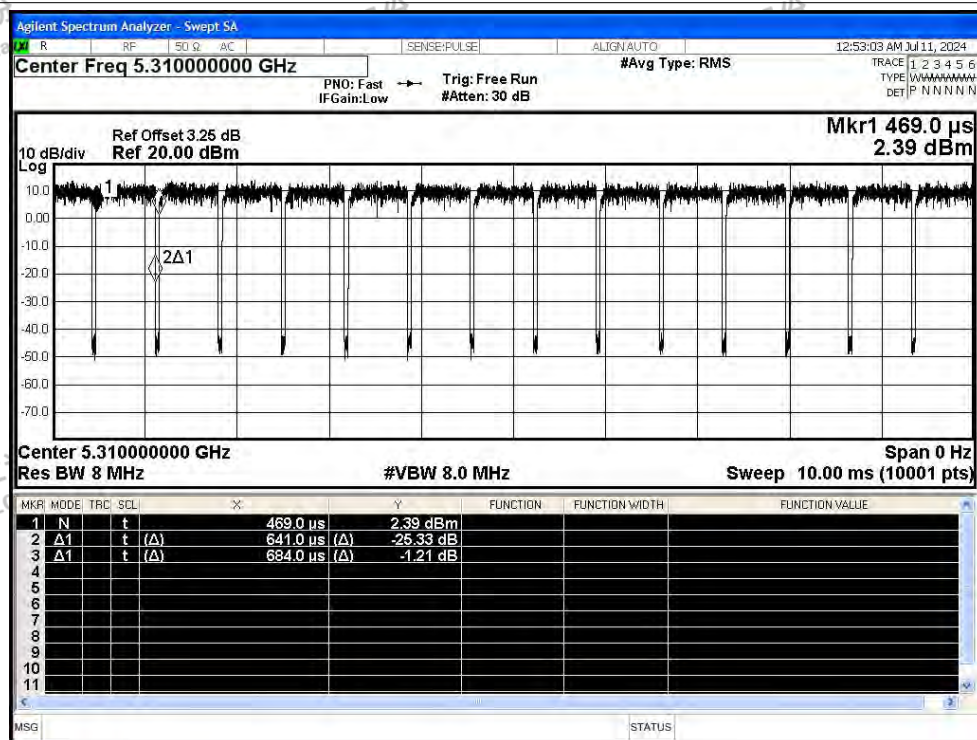
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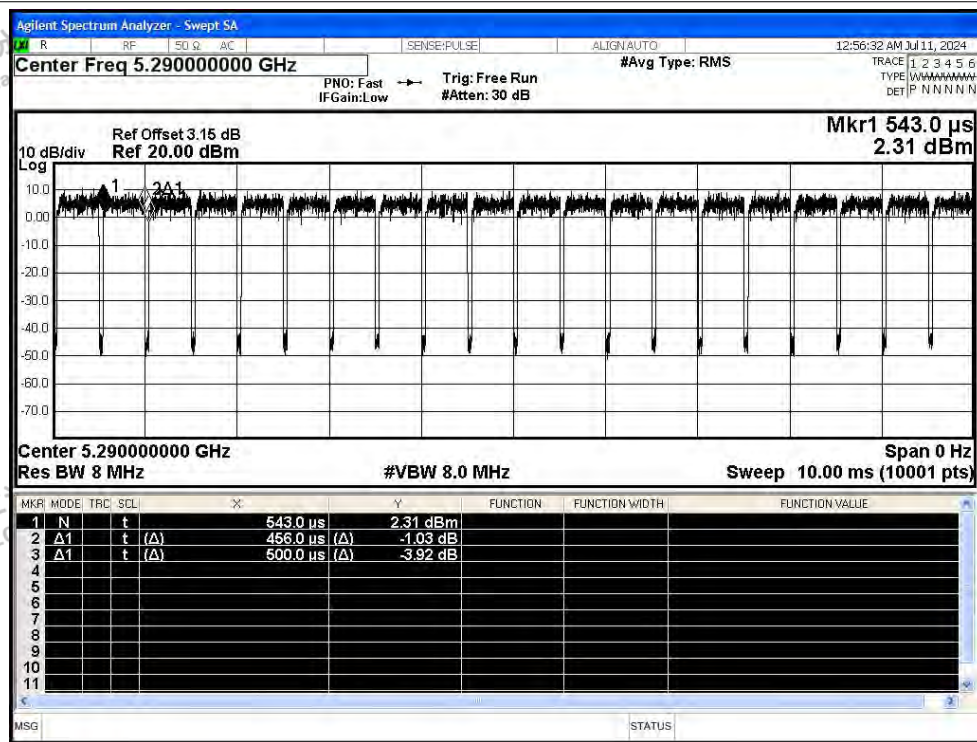
Scan code to check authenticity



Duty Cycle NVNT ac40 5310MHz Ant1



Duty Cycle NVNT ac80 5290MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

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