



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Smart Feature Phone

Test Model: E3 Pro

Environmental Conditions

Temperature:	24.8° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



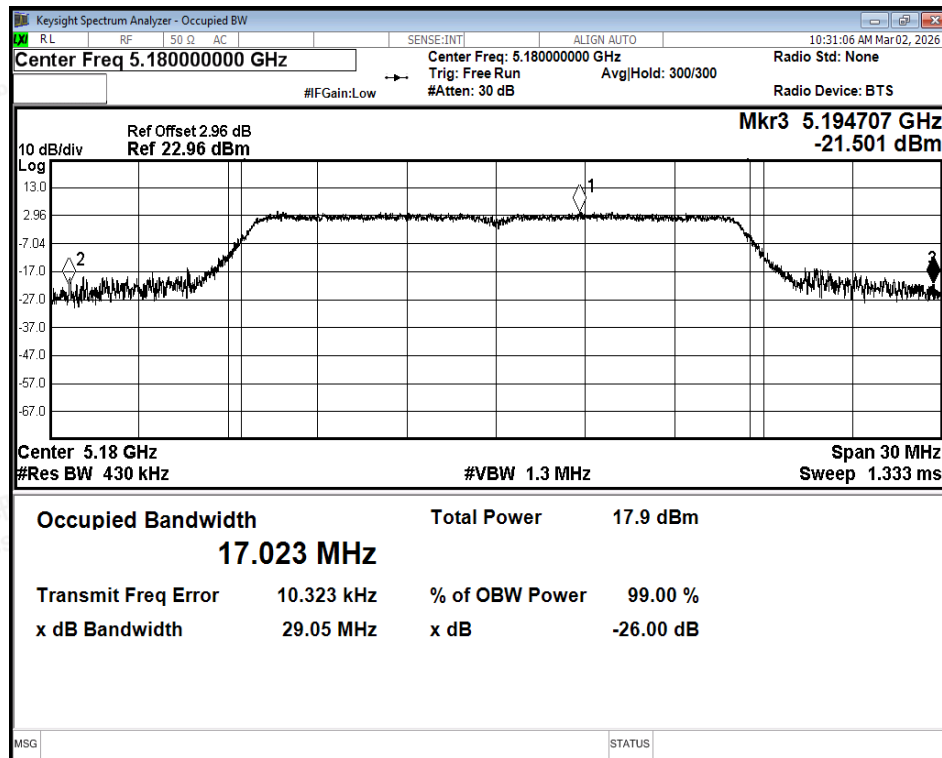
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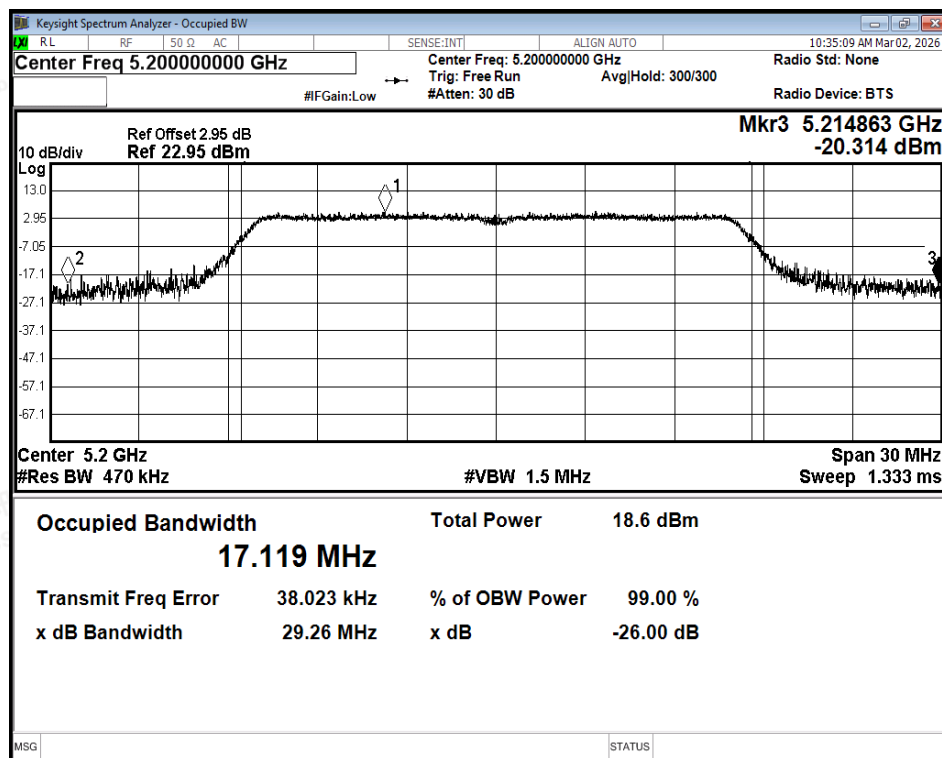
D.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	29.05
NVNT	a	5200	Ant1	29.26
NVNT	a	5240	Ant1	29.53
NVNT	n20	5180	Ant1	28.9
NVNT	n20	5200	Ant1	29.44
NVNT	n20	5240	Ant1	28.58
NVNT	n40	5190	Ant1	52.18
NVNT	n40	5230	Ant1	48.67
NVNT	ac20	5180	Ant1	29.39
NVNT	ac20	5200	Ant1	29.6
NVNT	ac20	5240	Ant1	28.31
NVNT	ac40	5190	Ant1	48.36
NVNT	ac40	5230	Ant1	44.71
NVNT	ac80	5210	Ant1	88.43





-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1

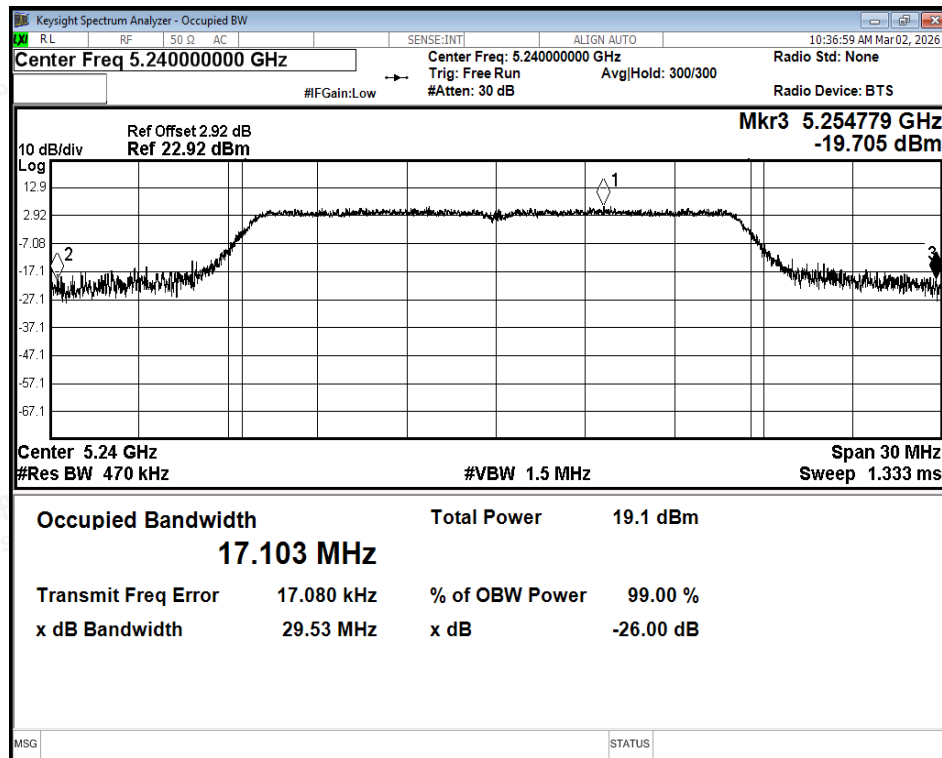


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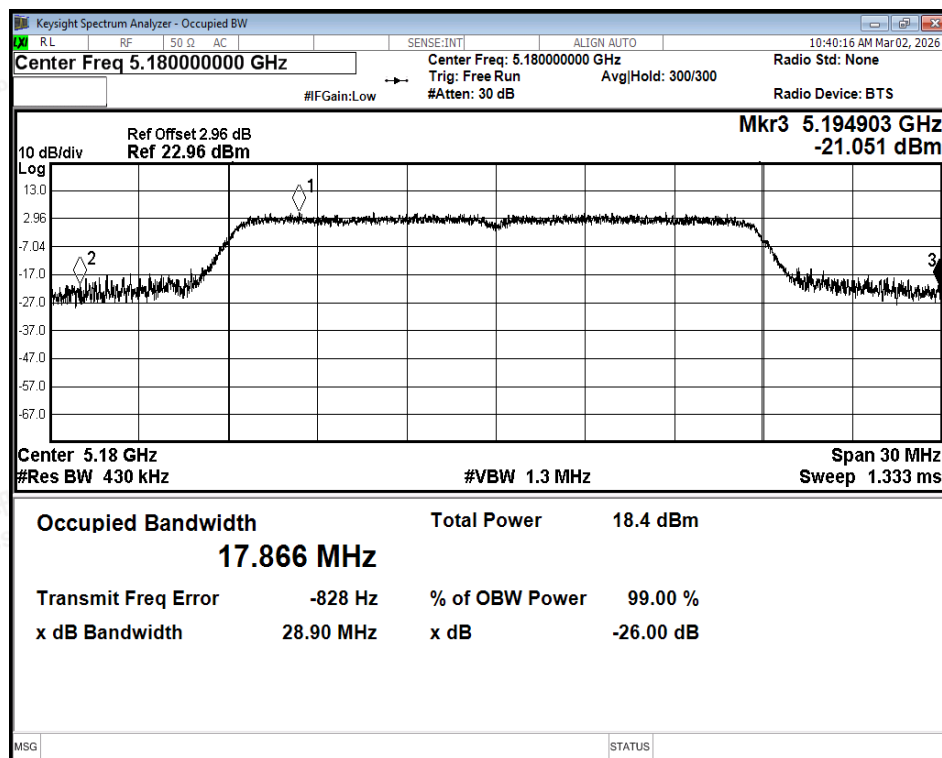
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-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1

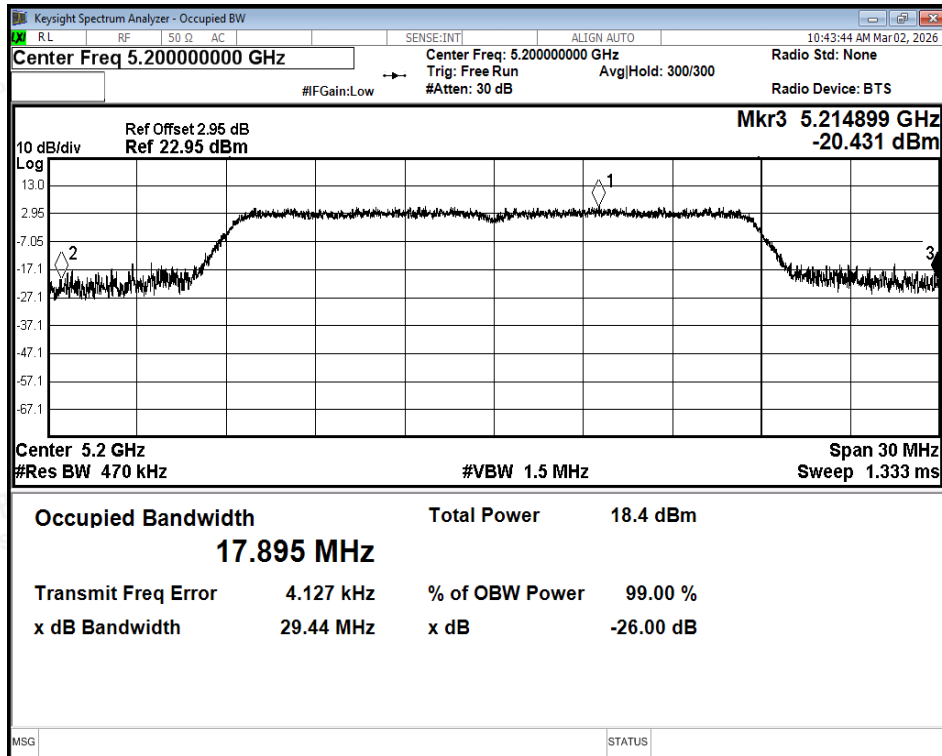


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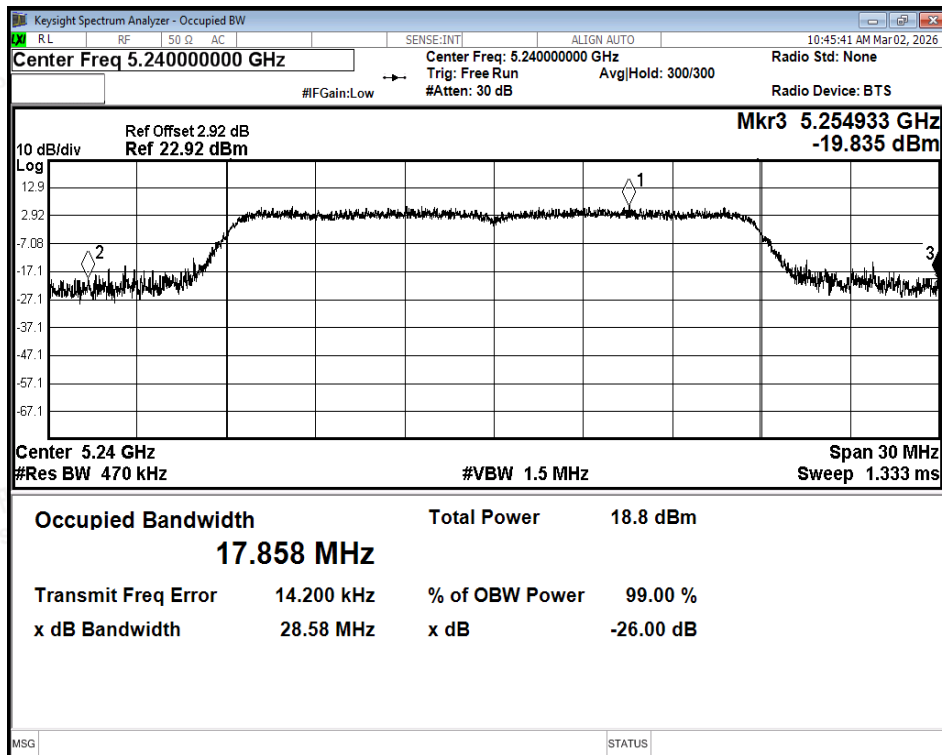
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-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1

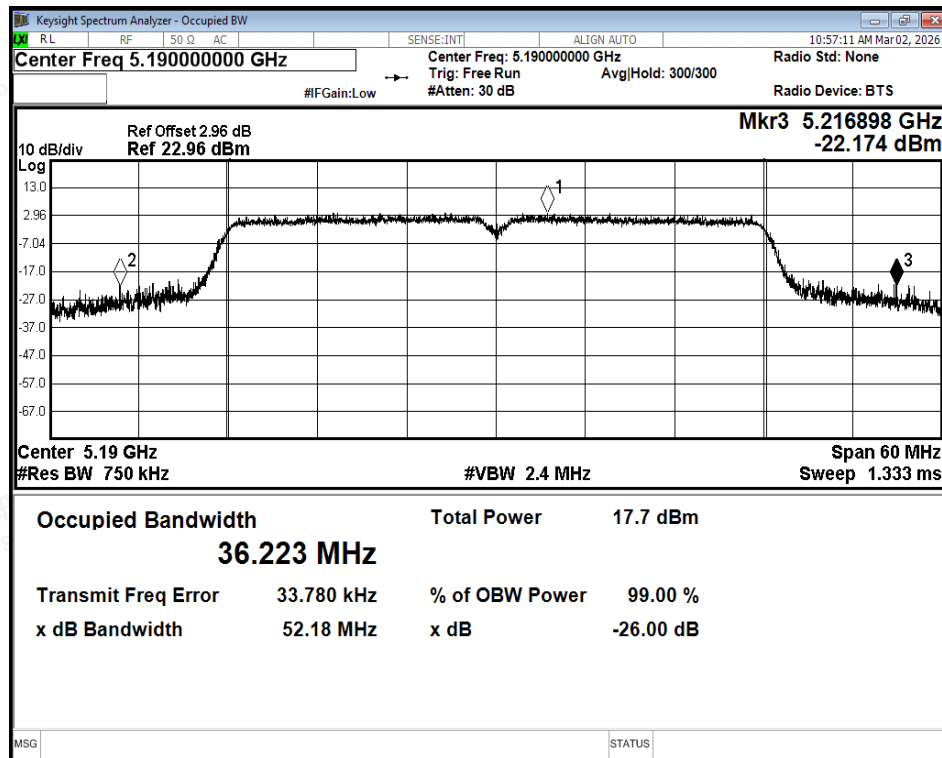


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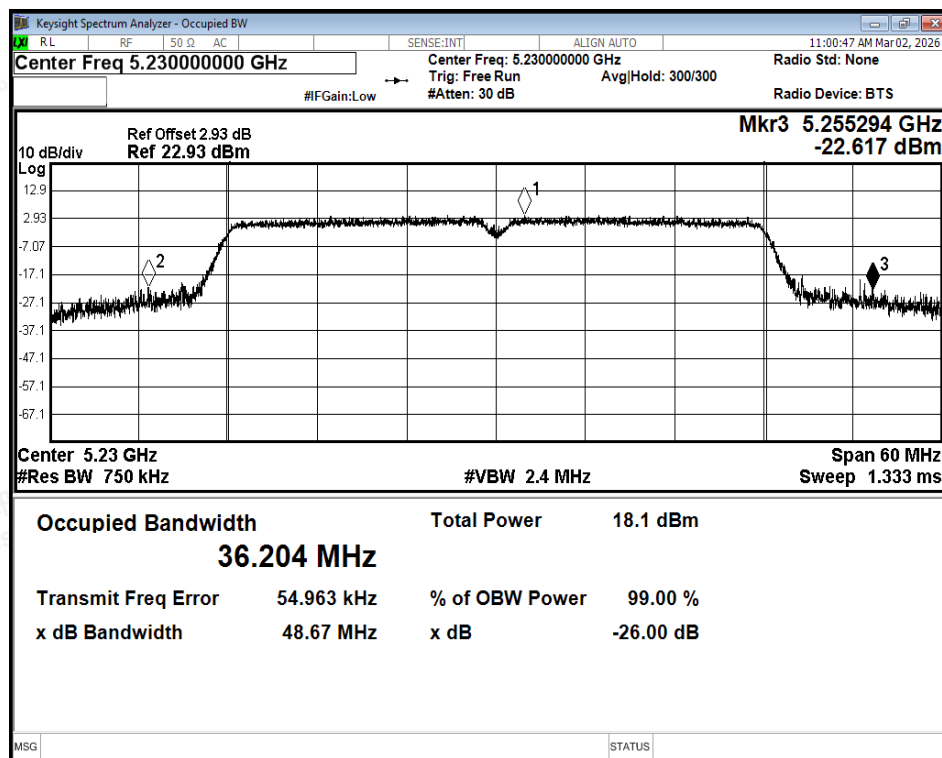
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-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

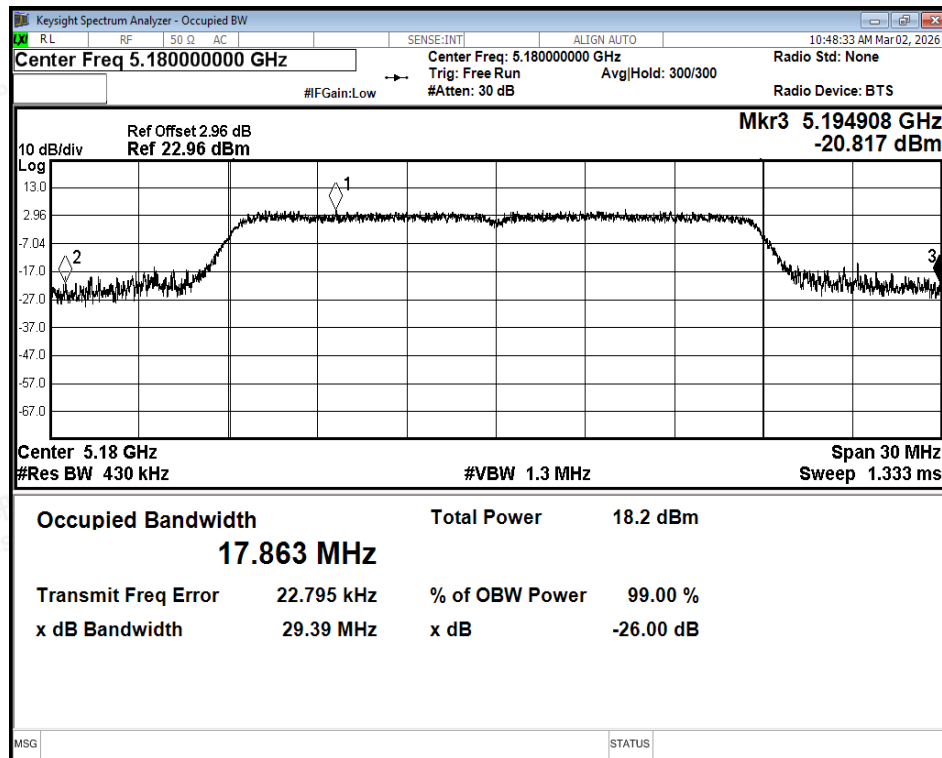


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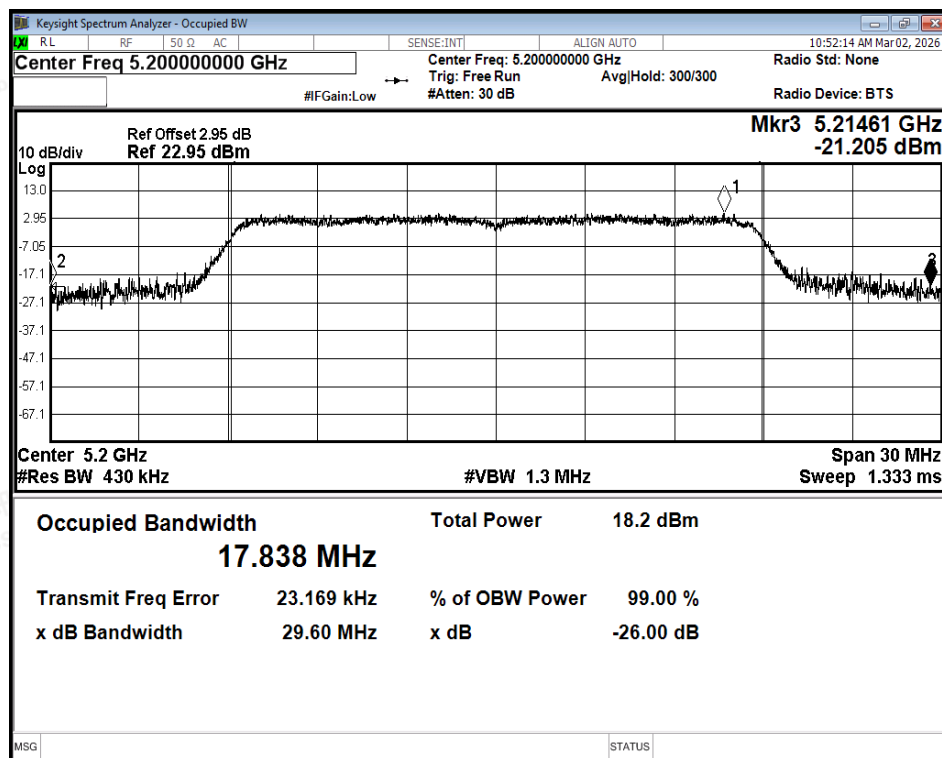
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-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1

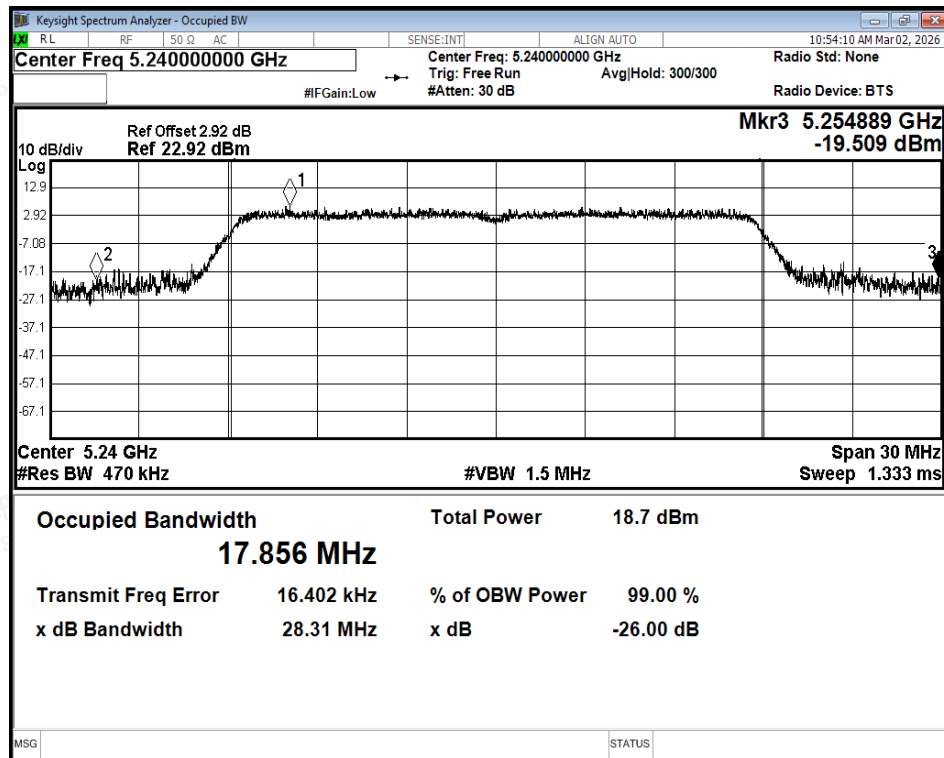


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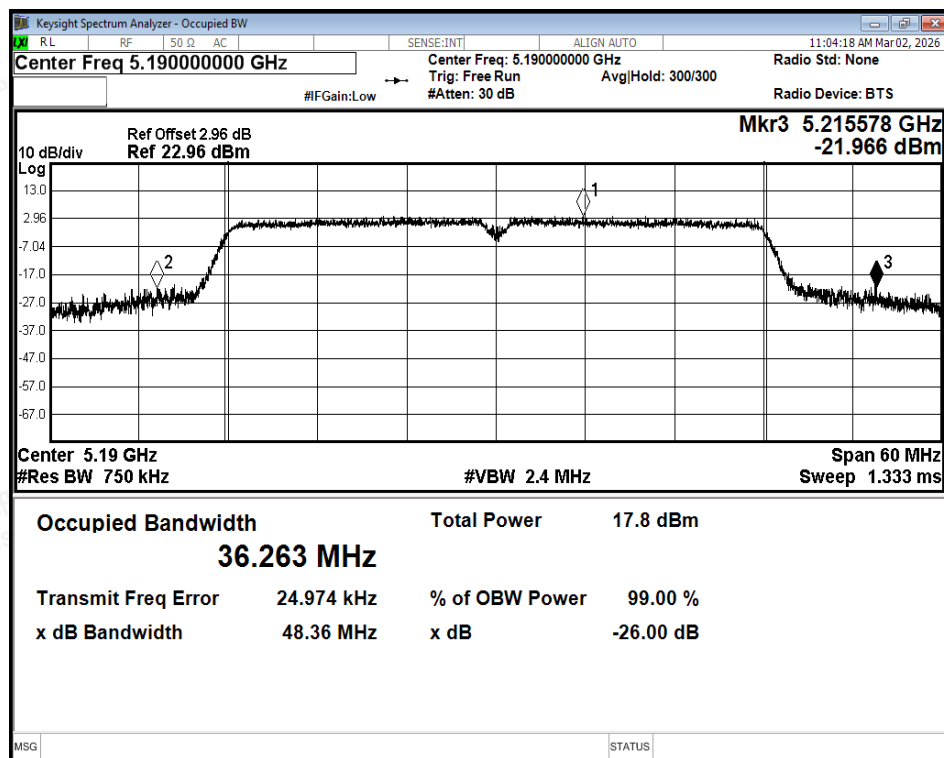
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-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1

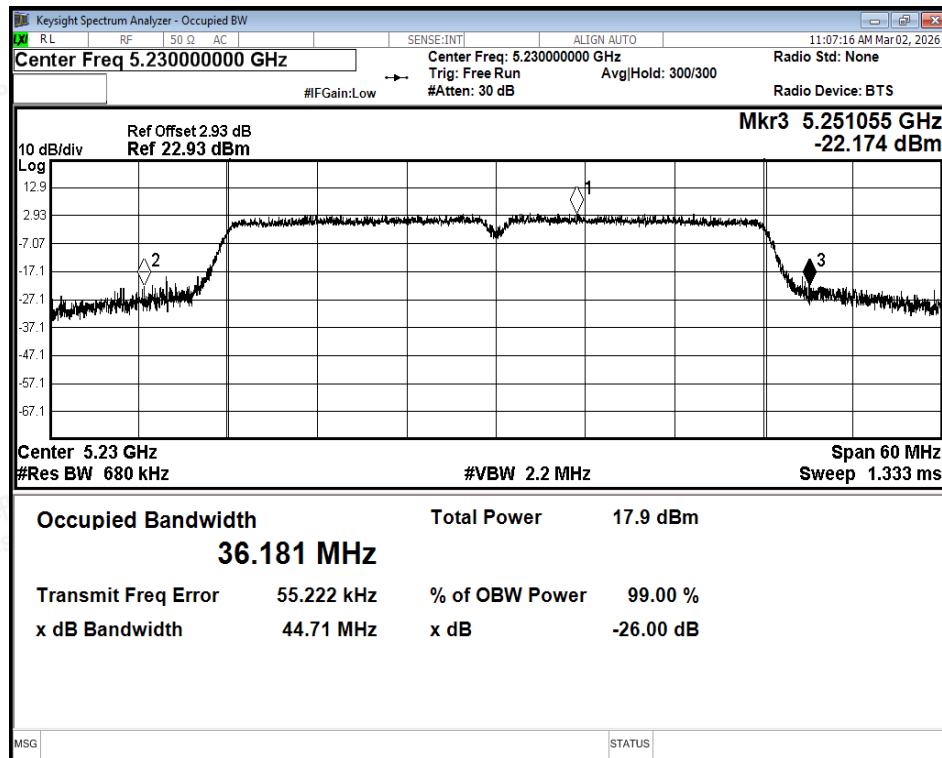


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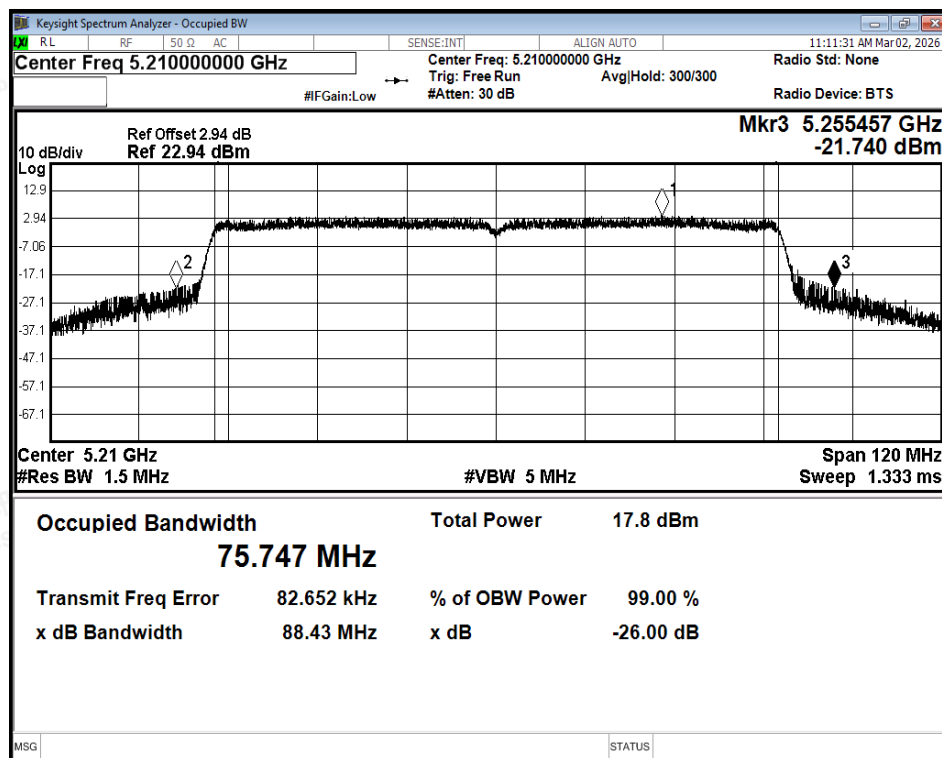
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-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1





D.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	12.26	0.1	12.36	24	Pass
NVNT	a	5200	Ant1	12.29	0.1	12.39	24	Pass
NVNT	a	5240	Ant1	12.79	0.1	12.89	24	Pass
NVNT	n20	5180	Ant1	11.73	0.11	11.84	24	Pass
NVNT	n20	5200	Ant1	11.7	0.13	11.83	24	Pass
NVNT	n20	5240	Ant1	12.03	0.13	12.16	24	Pass
NVNT	n40	5190	Ant1	10.55	0.27	10.82	24	Pass
NVNT	n40	5230	Ant1	10.87	0.23	11.1	24	Pass
NVNT	ac20	5180	Ant1	11.65	0.13	11.78	24	Pass
NVNT	ac20	5200	Ant1	11.67	0.11	11.78	24	Pass
NVNT	ac20	5240	Ant1	11.99	0.11	12.1	24	Pass
NVNT	ac40	5190	Ant1	10.65	0.23	10.88	24	Pass
NVNT	ac40	5230	Ant1	10.93	0.23	11.16	24	Pass
NVNT	ac80	5210	Ant1	9.95	0.46	10.41	24	Pass



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D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	0.37	0.1	0.47	11	Pass
NVNT	a	5200	Ant1	1.06	0.1	1.16	11	Pass
NVNT	a	5240	Ant1	1.54	0.1	1.64	11	Pass
NVNT	n20	5180	Ant1	0.3	0.11	0.41	11	Pass
NVNT	n20	5200	Ant1	0.16	0.13	0.29	11	Pass
NVNT	n20	5240	Ant1	0.59	0.13	0.72	11	Pass
NVNT	n40	5190	Ant1	-3.88	0.27	-3.61	11	Pass
NVNT	n40	5230	Ant1	-3.61	0.23	-3.38	11	Pass
NVNT	ac20	5180	Ant1	0.22	0.13	0.35	11	Pass
NVNT	ac20	5200	Ant1	0.23	0.11	0.34	11	Pass
NVNT	ac20	5240	Ant1	0.56	0.11	0.67	11	Pass
NVNT	ac40	5190	Ant1	-3.74	0.23	-3.51	11	Pass
NVNT	ac40	5230	Ant1	-3.51	0.23	-3.28	11	Pass
NVNT	ac80	5210	Ant1	-7.96	0.46	-7.5	11	Pass

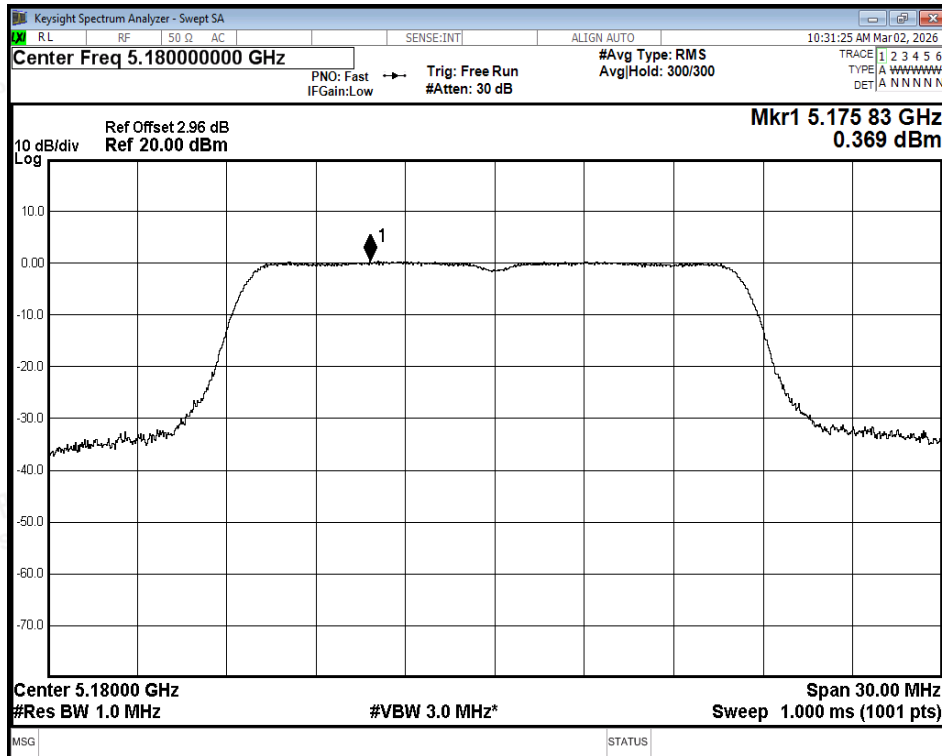


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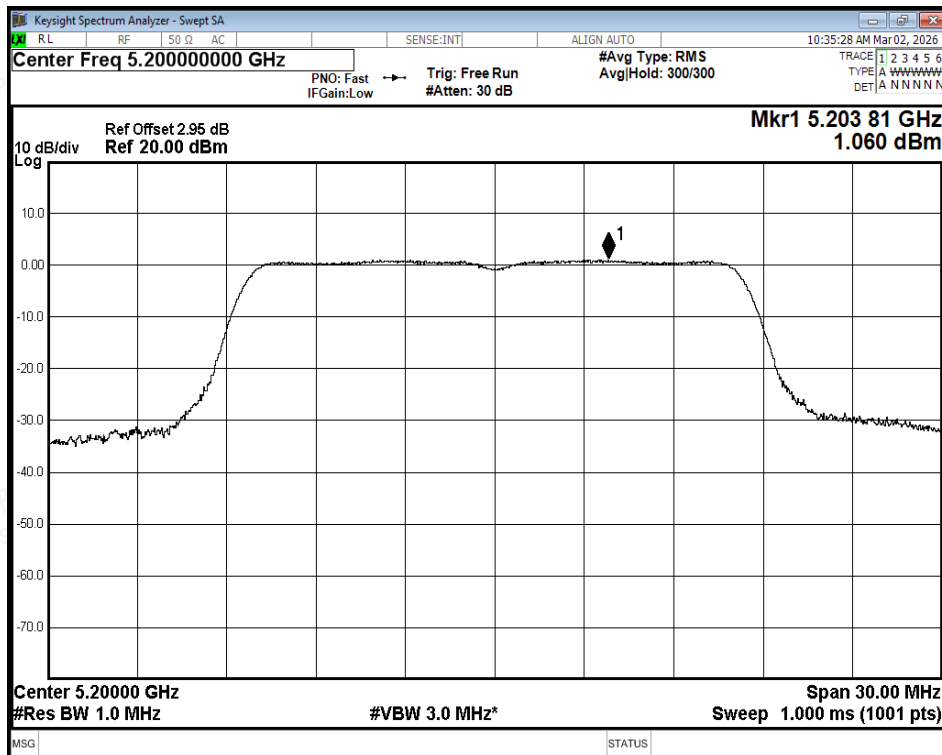
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PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1

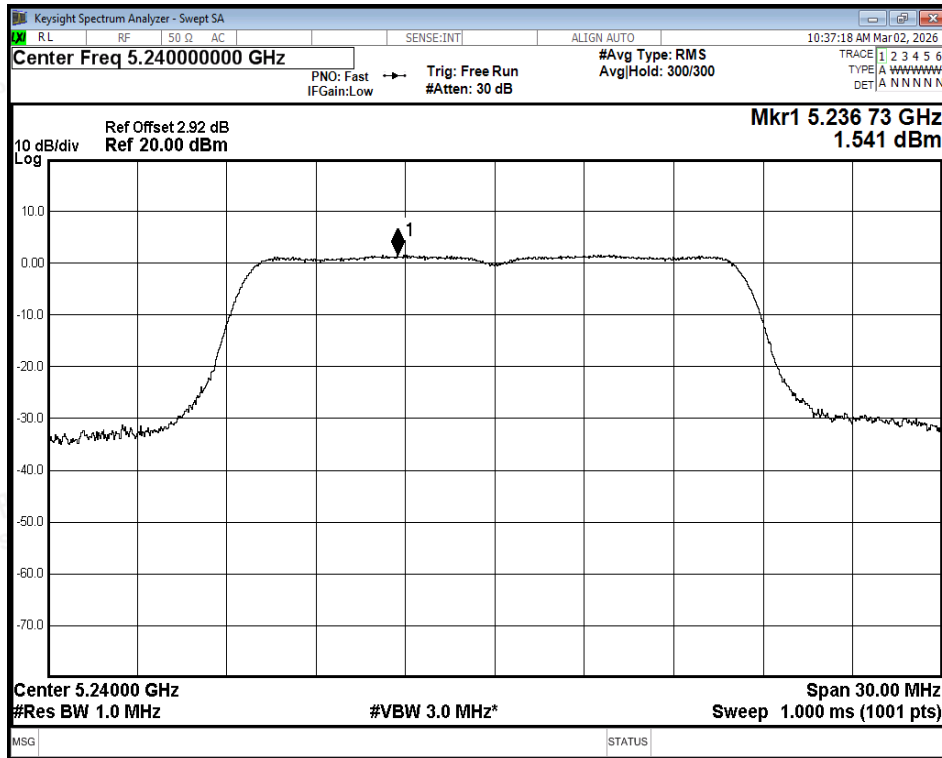


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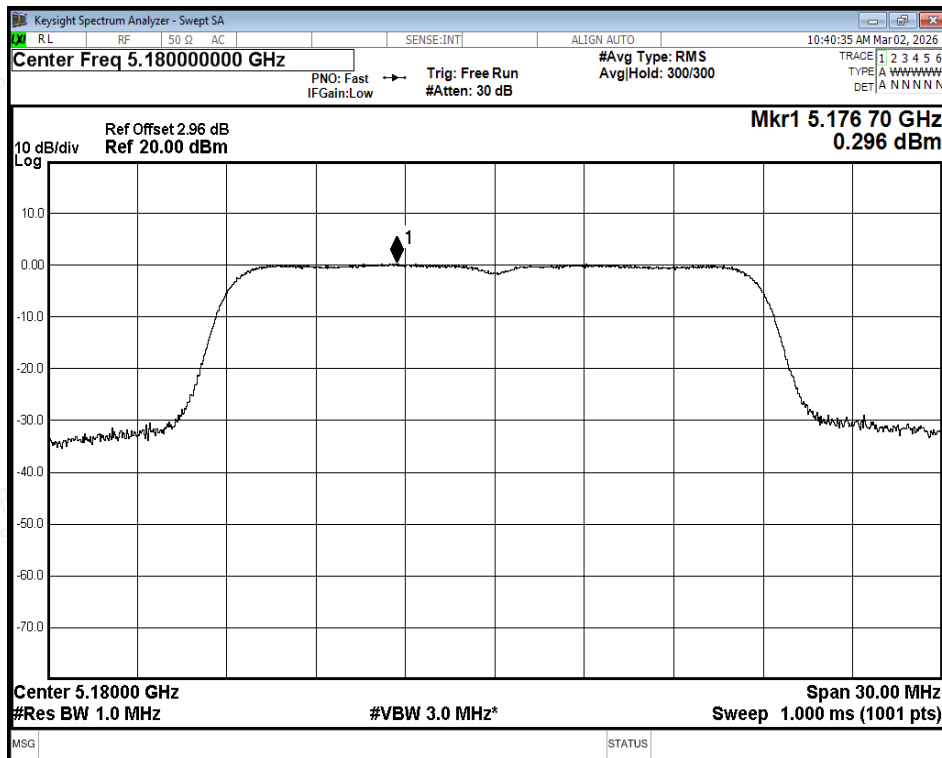
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PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1

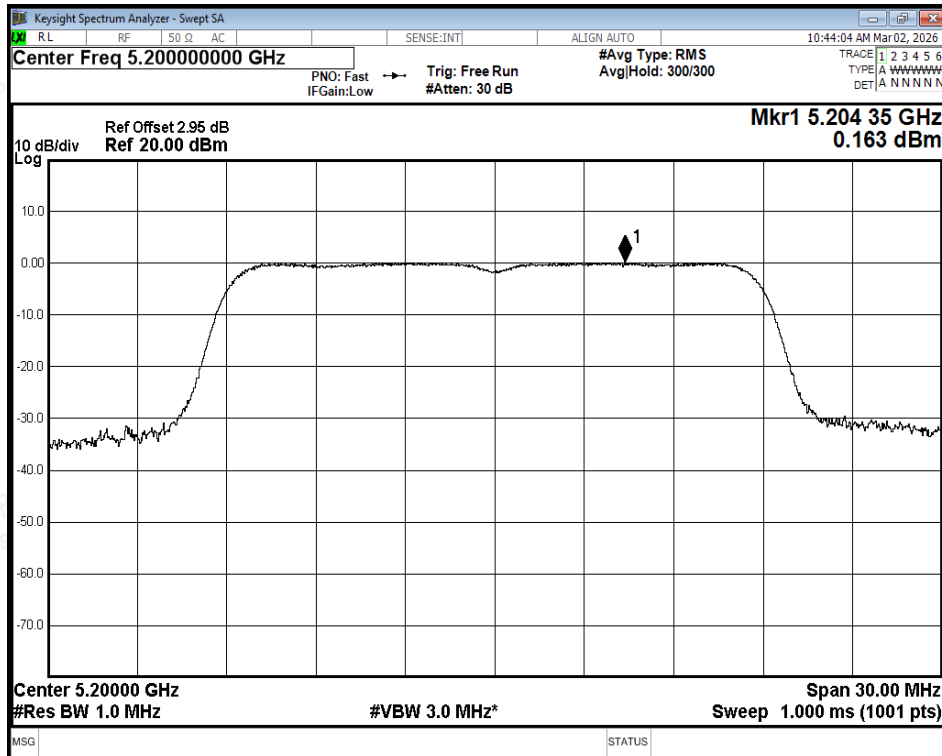


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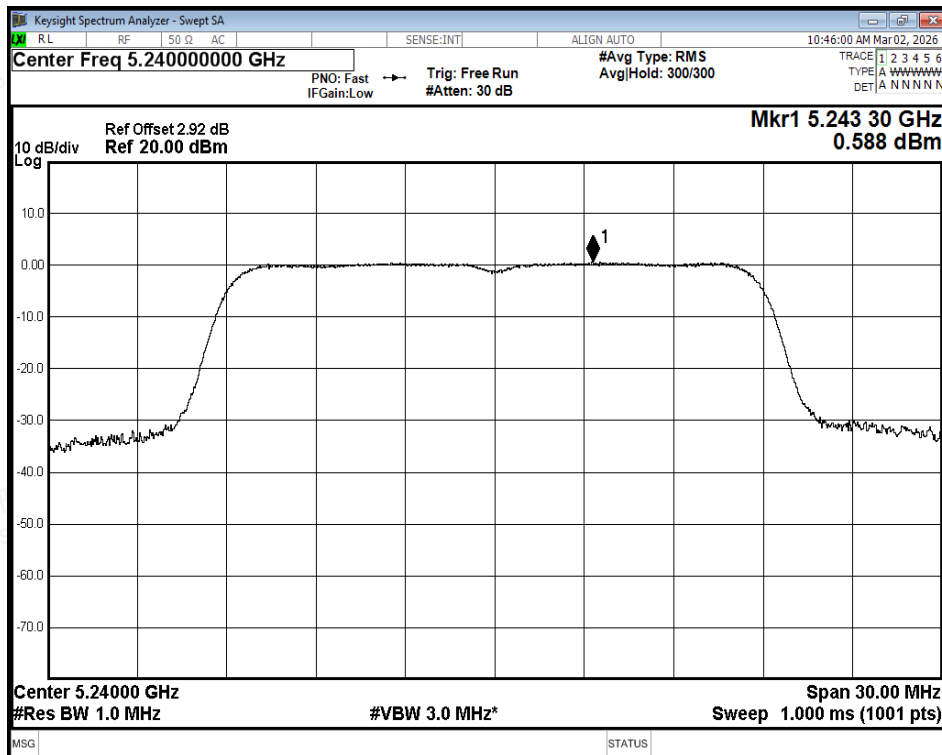
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PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1

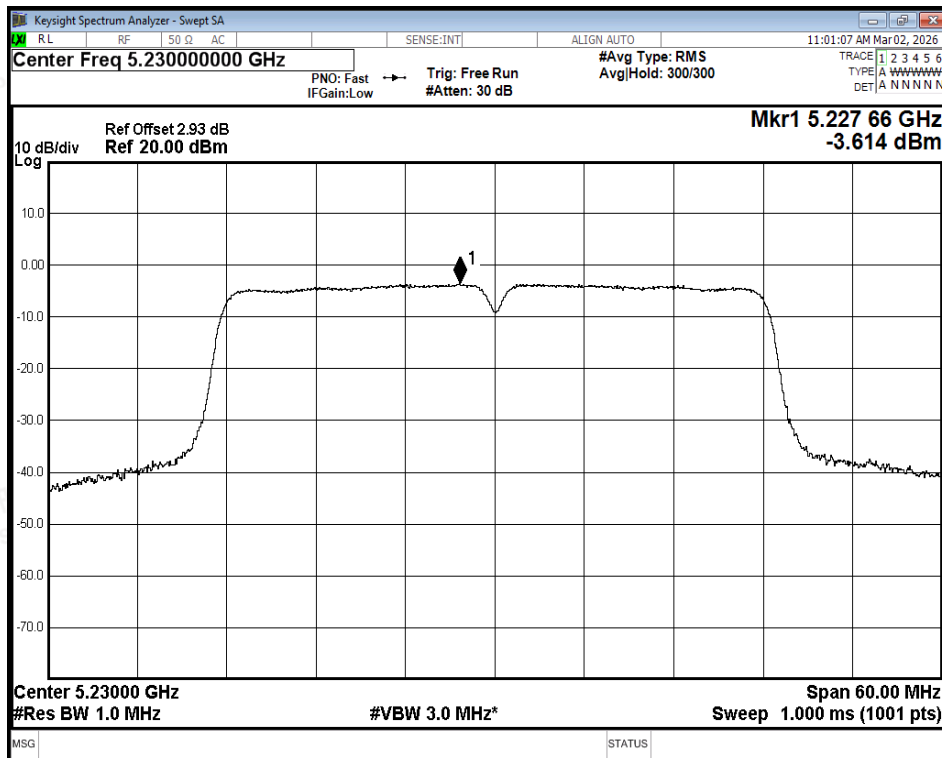
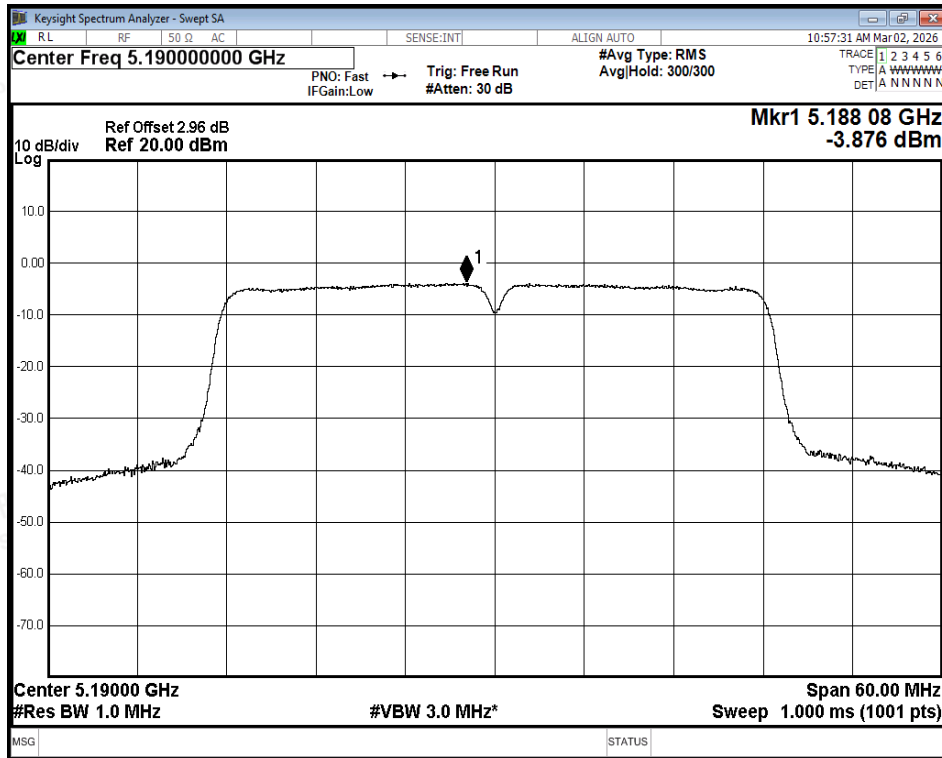


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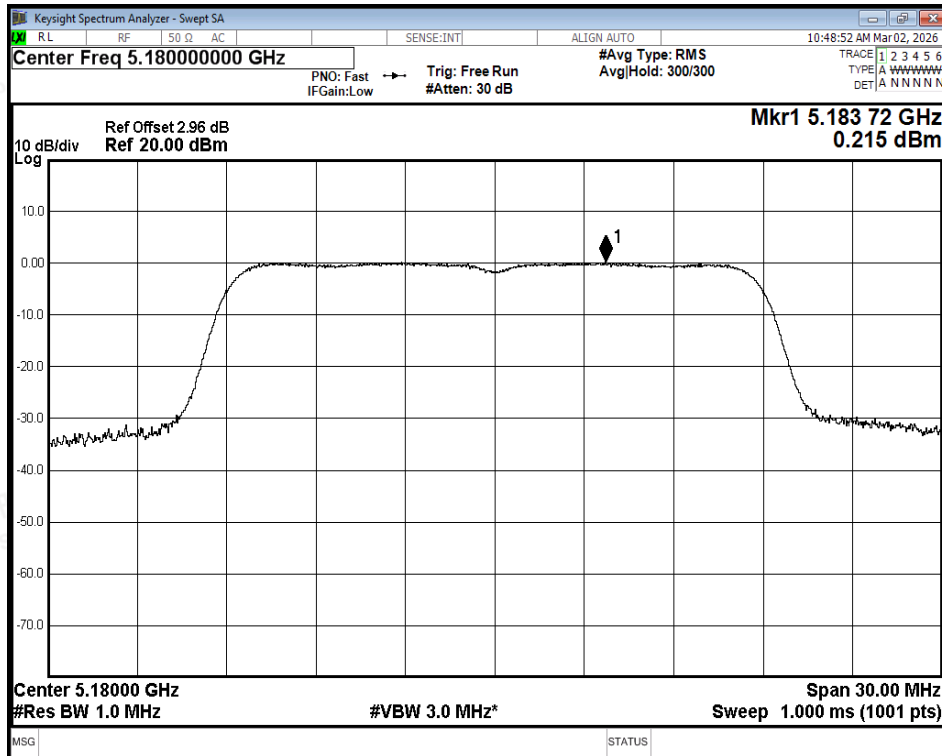


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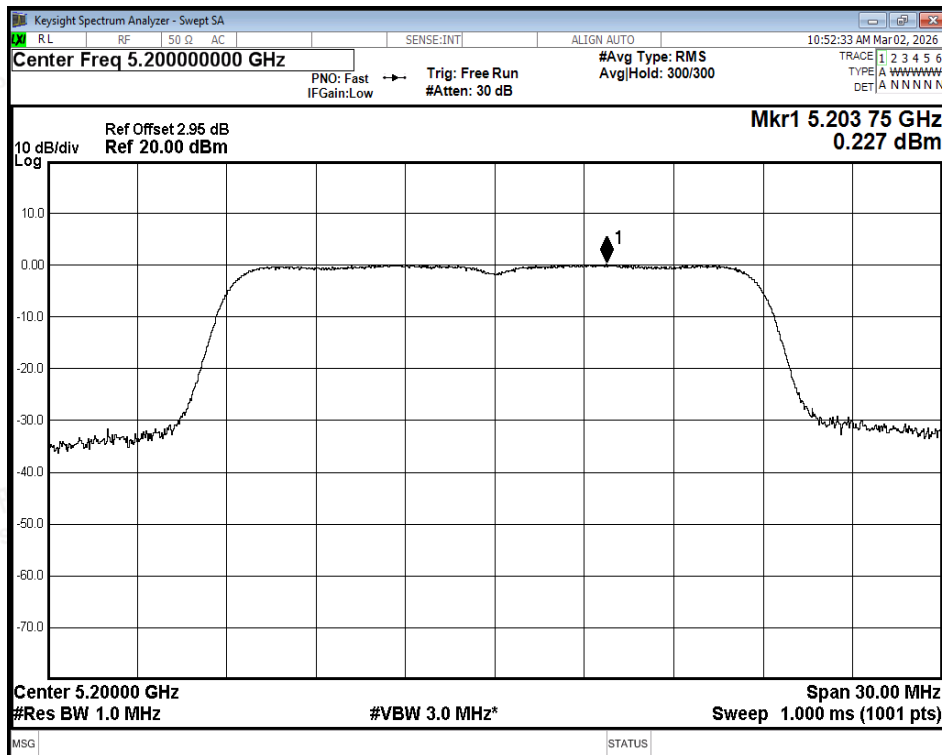
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PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1

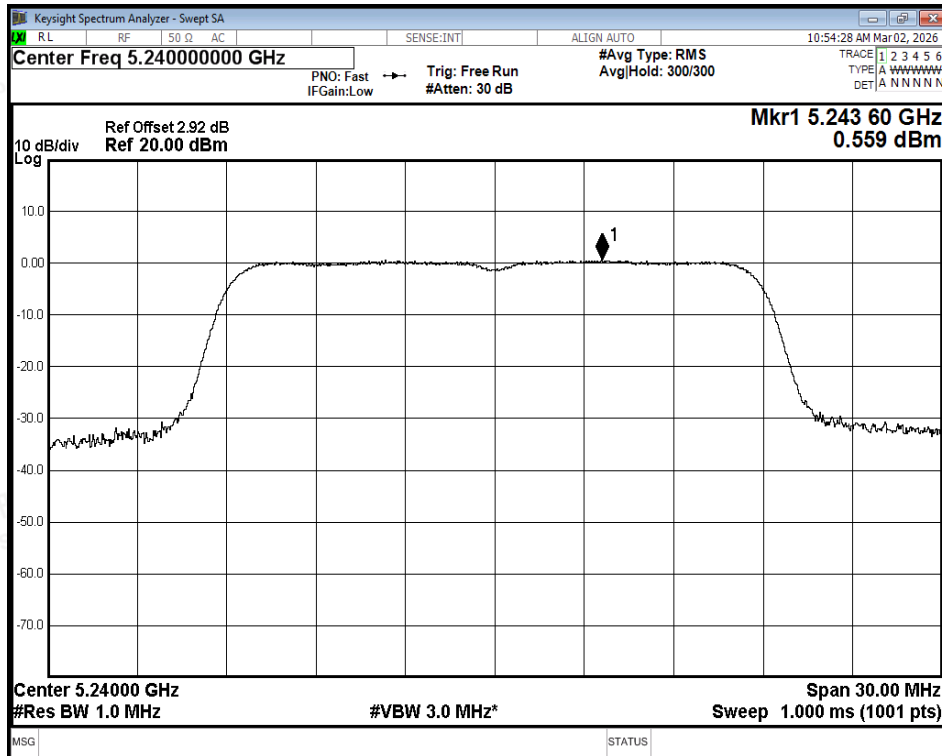


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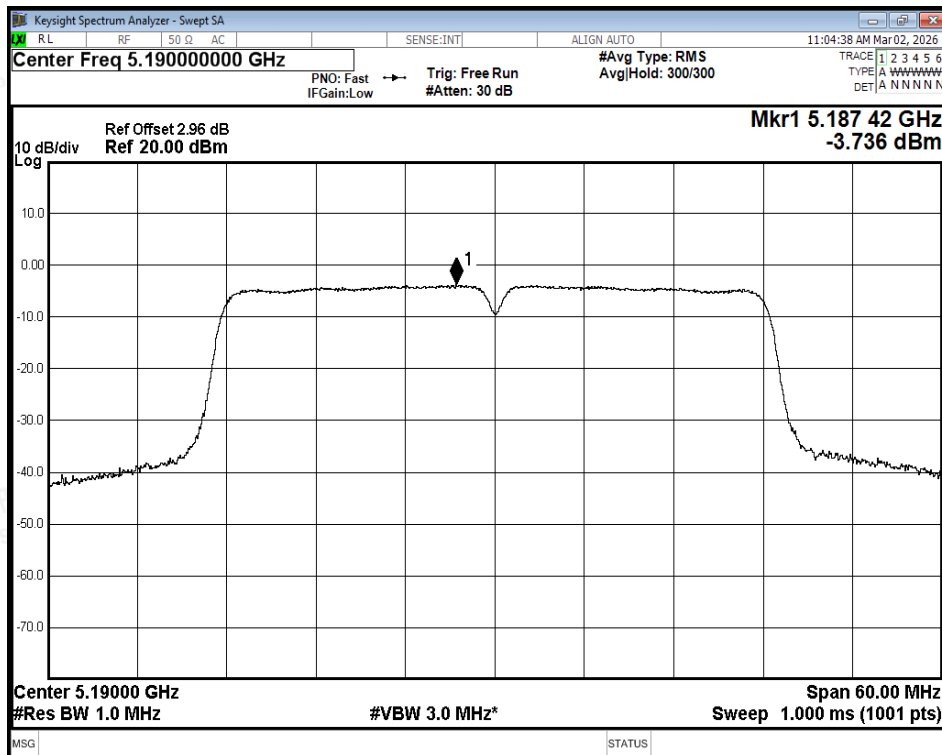
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PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1

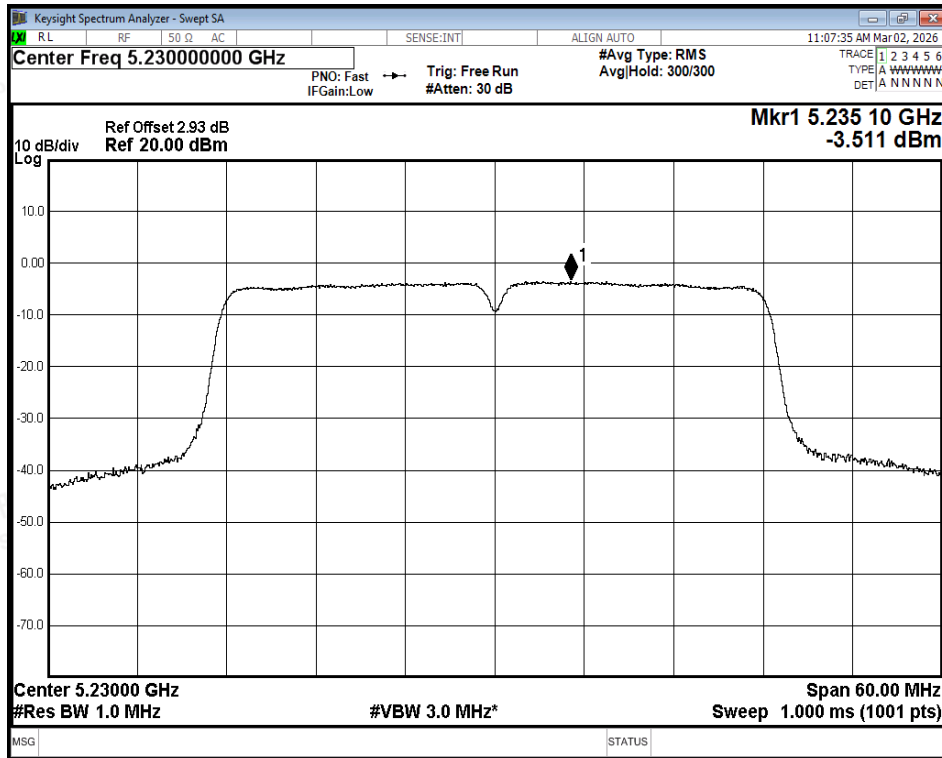


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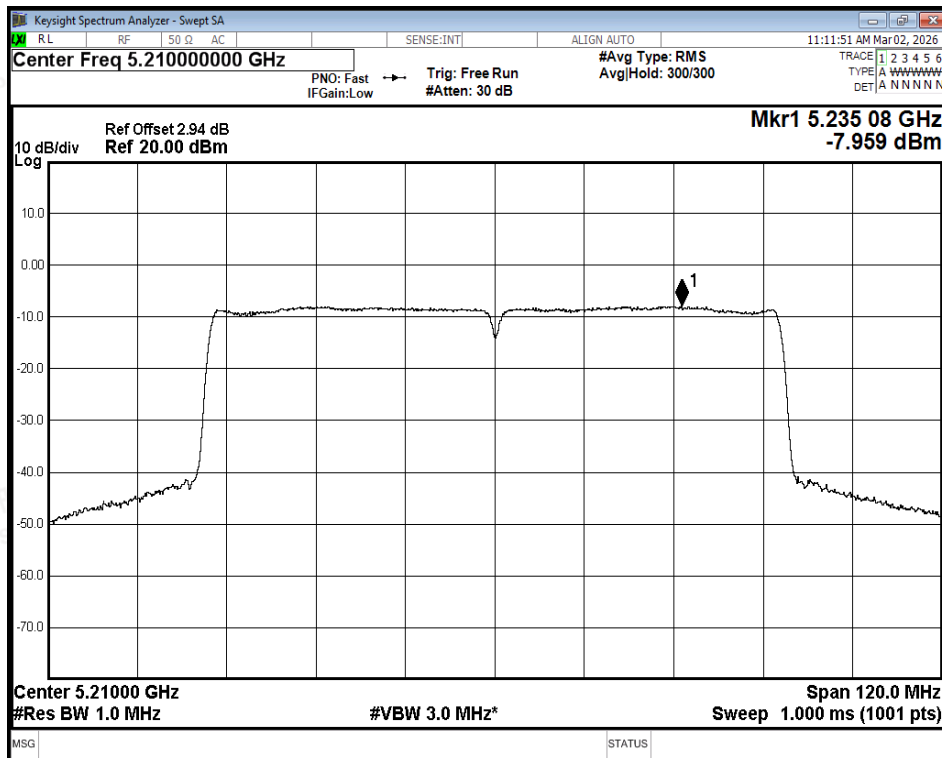
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PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1



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D.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	5180	Ant1	4500	-60.97	2	36.26	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-68.89	2	28.34	Average	54	Pass
NVNT	a	5180	Ant1	5148.9	-42.42	2	54.81	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-48.08	2	49.15	Average	54	Pass
NVNT	a	5180	Ant1	5150	-42.38	2	54.85	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-47.64	2	49.59	Average	54	Pass
NVNT	a	5240	Ant1	5350	-50.3	2	46.93	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-56.61	2	40.62	Average	54	Pass
NVNT	a	5240	Ant1	5445.36	-47.52	2	49.71	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350.56	-56.41	2	40.82	Average	54	Pass
NVNT	a	5240	Ant1	5460	-51.27	2	45.96	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.32	2	39.91	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-50.38	2	46.85	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-59.01	2	38.22	Average	54	Pass
NVNT	n20	5180	Ant1	5148.2	-39.56	2	57.67	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-45.71	2	51.52	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-42.86	2	54.37	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-45.53	2	51.7	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-49.9	2	47.33	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-56.76	2	40.47	Average	54	Pass
NVNT	n20	5240	Ant1	5365.68	-47.62	2	49.61	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5351.28	-56.66	2	40.57	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.56	2	46.67	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-57.33	2	39.9	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-61.28	2	35.95	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-68.72	2	28.51	Average	54	Pass
NVNT	n40	5190	Ant1	5146.05	-36.46	2	60.77	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-46.5	2	50.73	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-42.36	2	54.87	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-46.18	2	51.05	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-50.73	2	46.5	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-56.89	2	40.34	Average	54	Pass
NVNT	n40	5230	Ant1	5433.54	-47.61	2	49.62	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350.11	-56.89	2	40.34	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-50.13	2	47.1	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-57.26	2	39.97	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-51.83	2	45.4	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-59.08	2	38.15	Average	54	Pass



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NVNT	ac20	5180	Ant1	5149.6	-41.17	2	56.06	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-45.94	2	51.29	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-43.3	2	53.93	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-45.6	2	51.63	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-48.44	2	48.79	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-56.76	2	40.47	Average	54	Pass
NVNT	ac20	5240	Ant1	5455.2	-47.72	2	49.51	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350.8	-56.71	2	40.52	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-51.6	2	45.63	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-57.37	2	39.86	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-51.91	2	45.32	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.9	2	38.33	Average	54	Pass
NVNT	ac40	5190	Ant1	5147.51	-38.87	2	58.36	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-46.04	2	51.19	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-40	2	57.23	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-45.76	2	51.47	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-49.08	2	48.15	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-56.92	2	40.31	Average	54	Pass
NVNT	ac40	5230	Ant1	5378.46	-47.17	2	50.06	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350.38	-56.89	2	40.34	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-49.82	2	47.41	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-57.29	2	39.94	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-49.65	2	47.58	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-56.04	2	41.19	Average	54	Pass
NVNT	ac80	5210	Ant1	5437.89	-47.52	2	49.71	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5351.1	-55.96	2	41.27	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-50.56	2	46.67	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-56.59	2	40.64	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-51	2	46.23	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-58.7	2	38.53	Average	54	Pass
NVNT	ac80	5210	Ant1	5140.69	-42.81	2	54.42	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5149.38	-47.26	2	49.97	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-42.15	2	55.08	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-47	2	50.23	Average	54	Pass

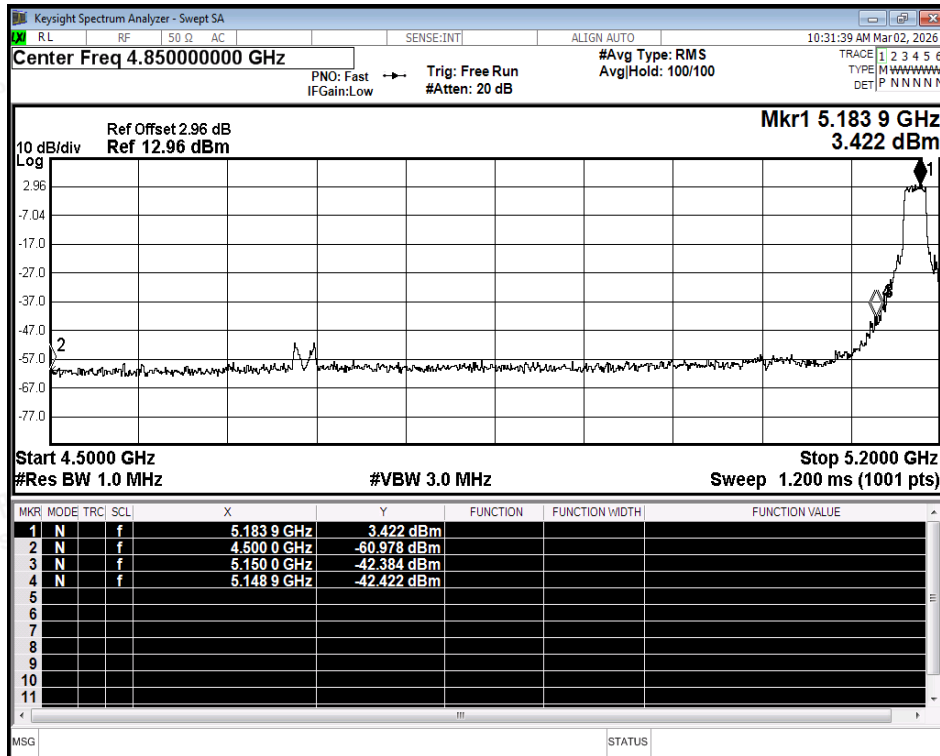


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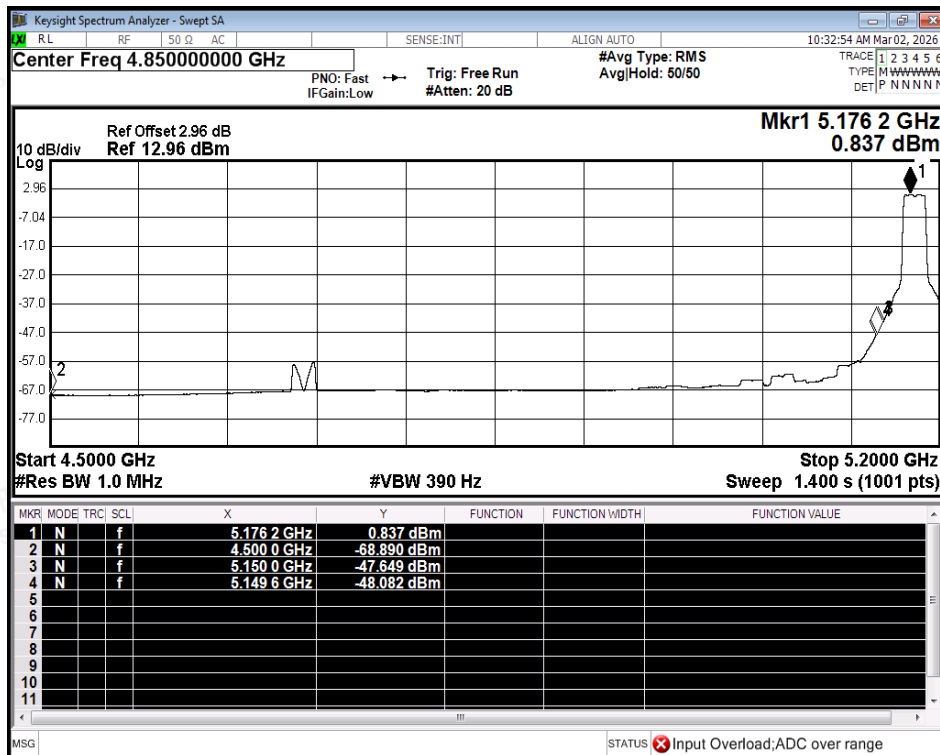
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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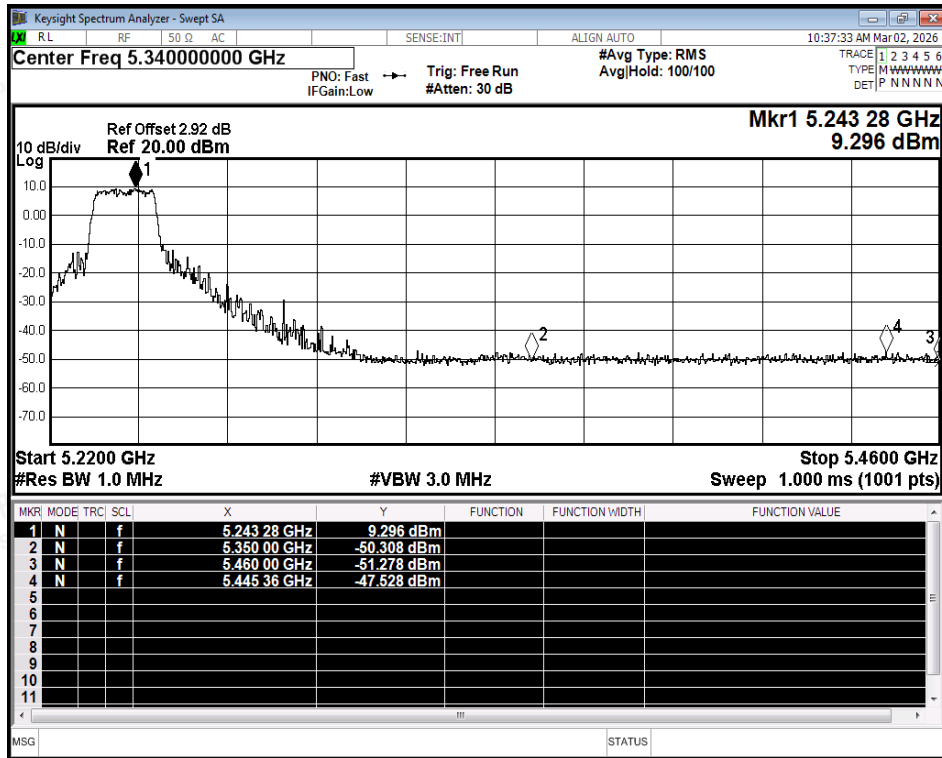


Restrict Band NVNT a 5180MHz Ant1 Peak

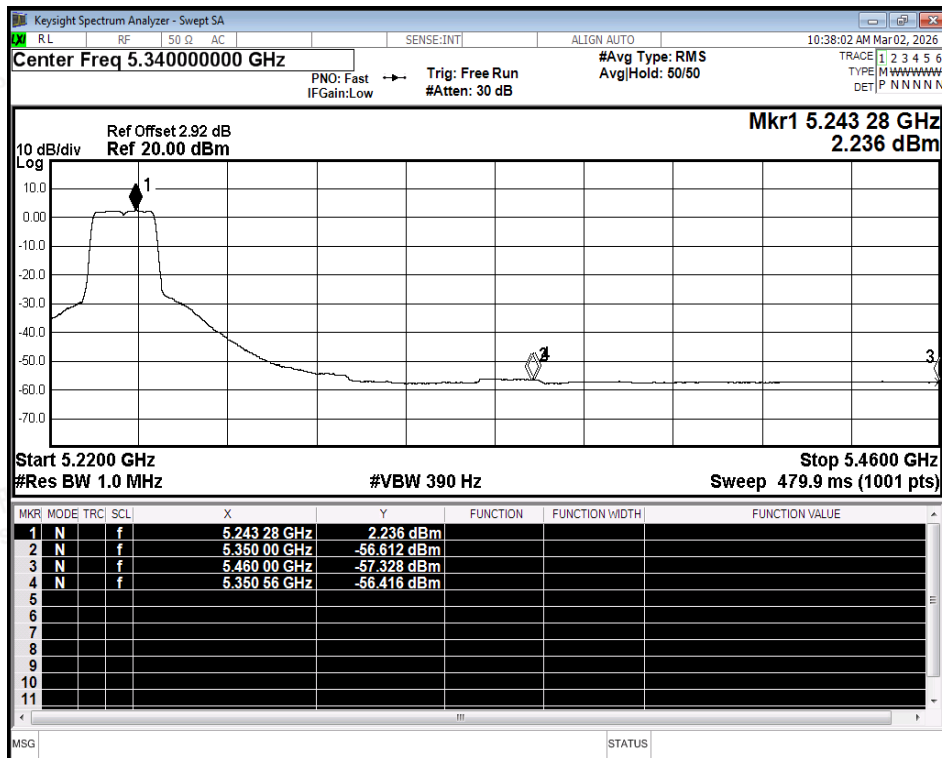


Restrict Band NVNT a 5180MHz Ant1 Average





Restrict Band NVNT a 5240MHz Ant1 Peak



Restrict Band NVNT a 5240MHz Ant1 Average

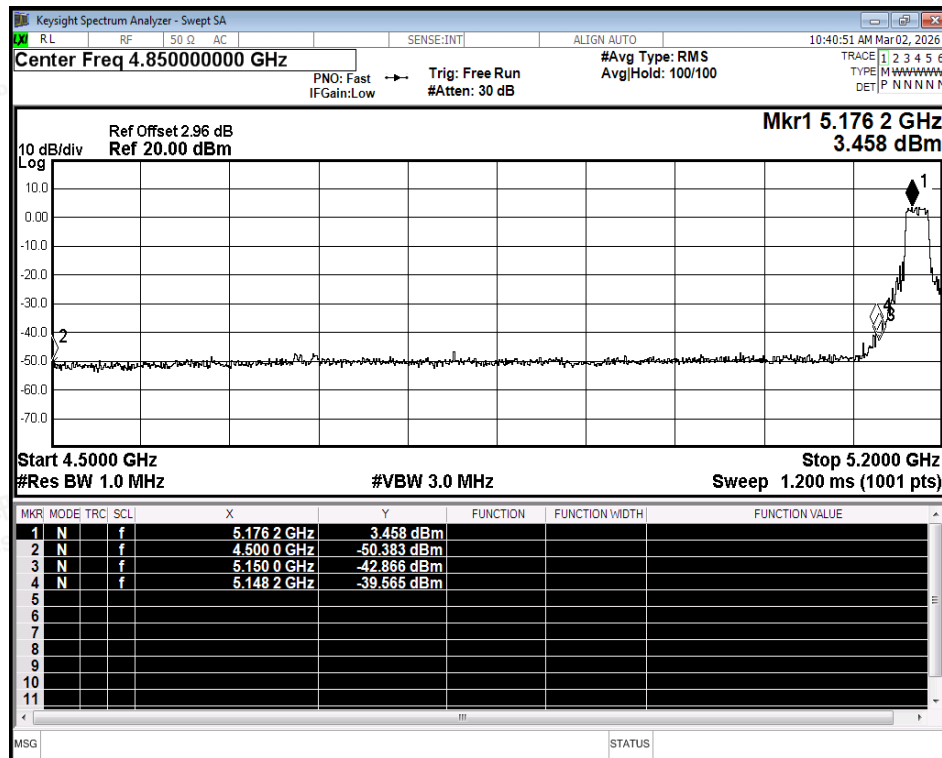


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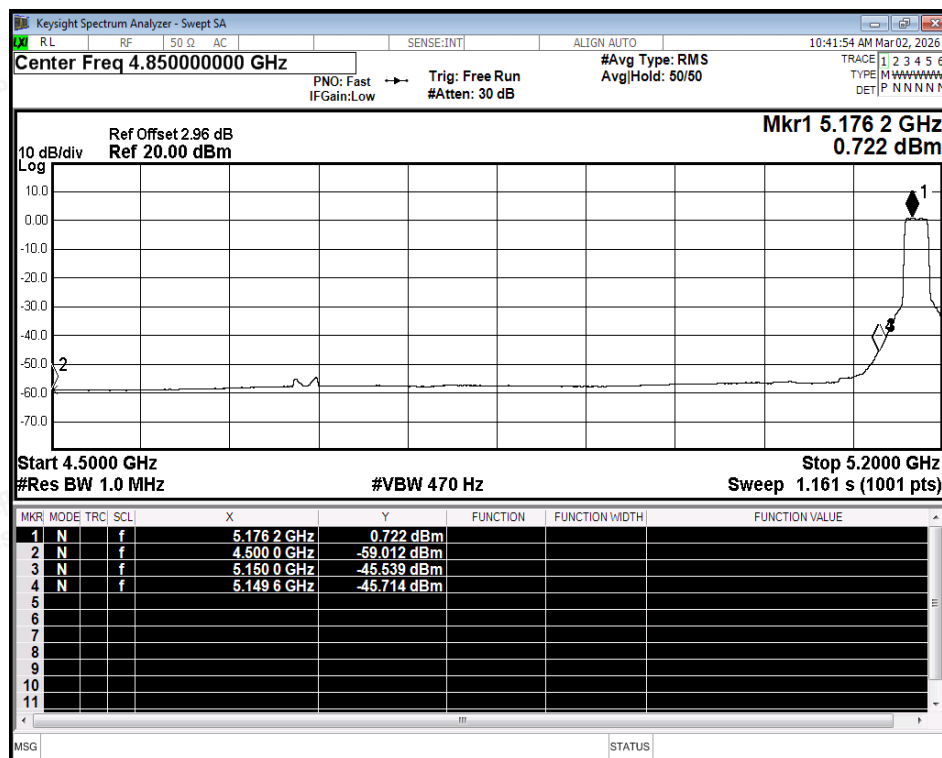
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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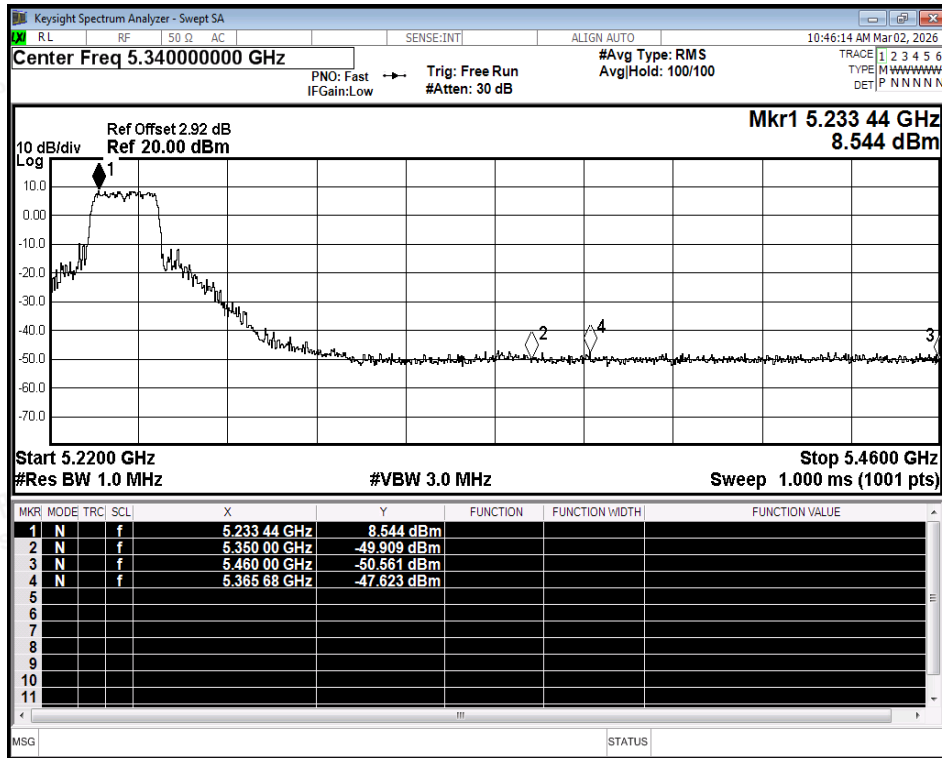


Restrict Band NVNT n20 5180MHz Ant1 Peak

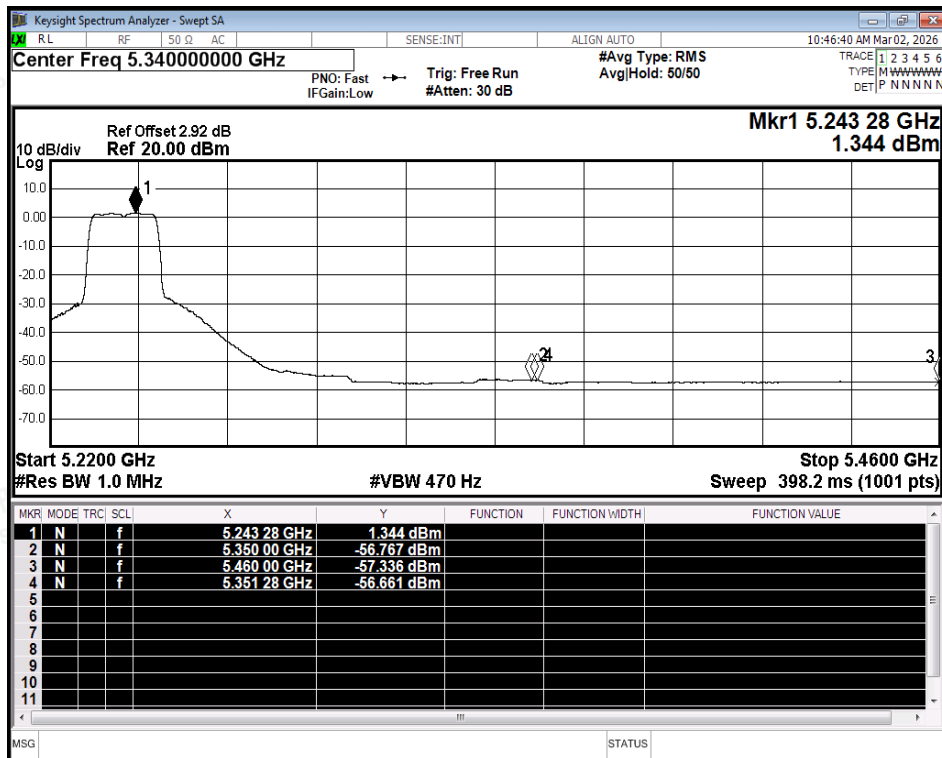


Restrict Band NVNT n20 5180MHz Ant1 Average





Restrict Band NVNT n20 5240MHz Ant1 Peak



Restrict Band NVNT n20 5240MHz Ant1 Average

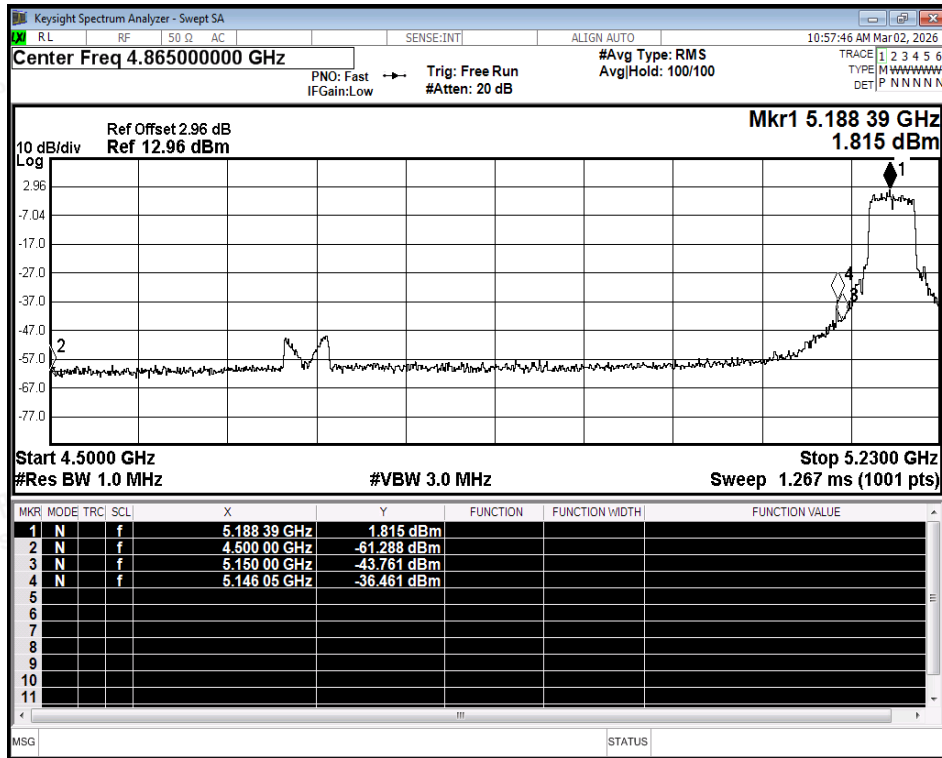


Shenzhen LCS Compliance Testing Laboratory Ltd.

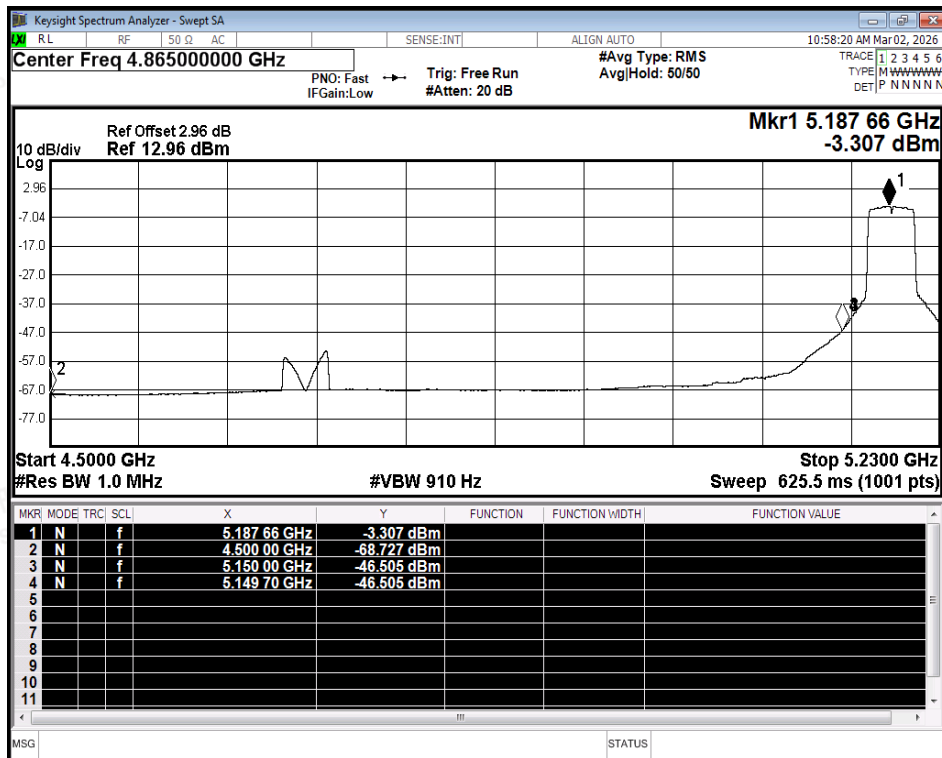
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Restrict Band NVNT n40 5190MHz Ant1 Peak



Restrict Band NVNT n40 5190MHz Ant1 Average

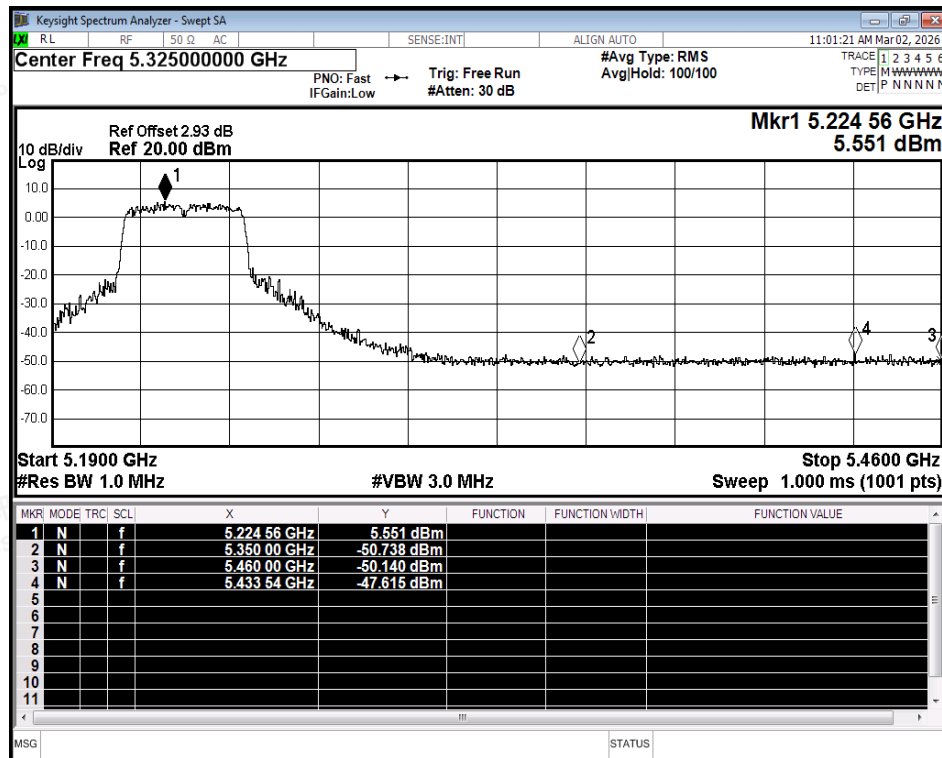


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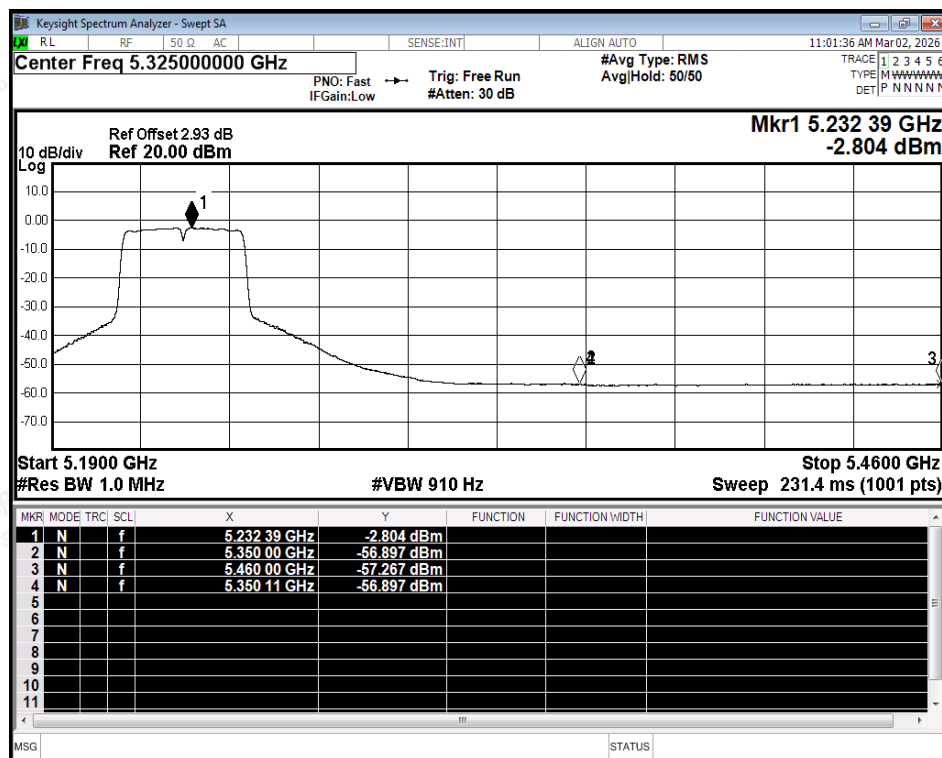
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Restrict Band NVNT n40 5230MHz Ant1 Peak



Restrict Band NVNT n40 5230MHz Ant1 Average

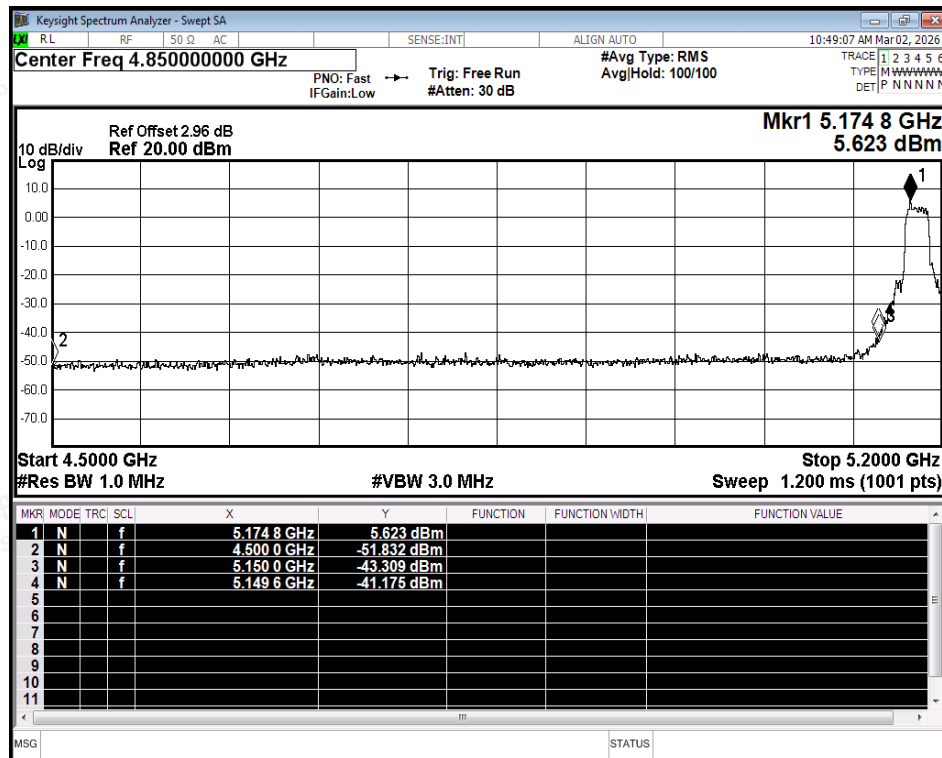


Shenzhen LCS Compliance Testing Laboratory Ltd.

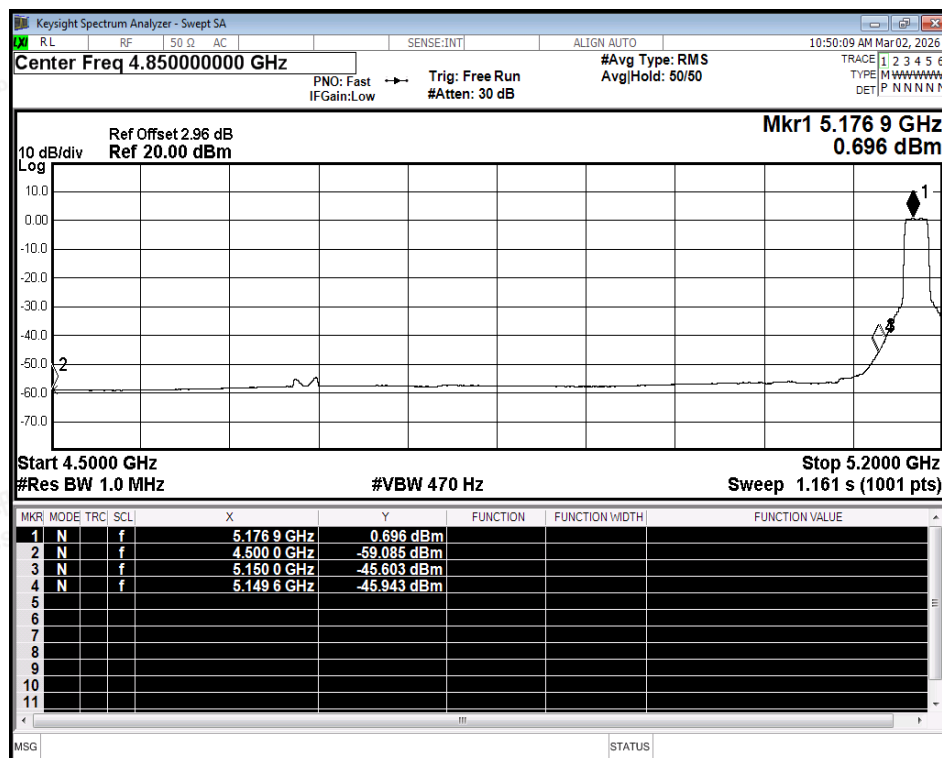
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Restrict Band NVNT ac20 5180MHz Ant1 Peak



Restrict Band NVNT ac20 5180MHz Ant1 Average

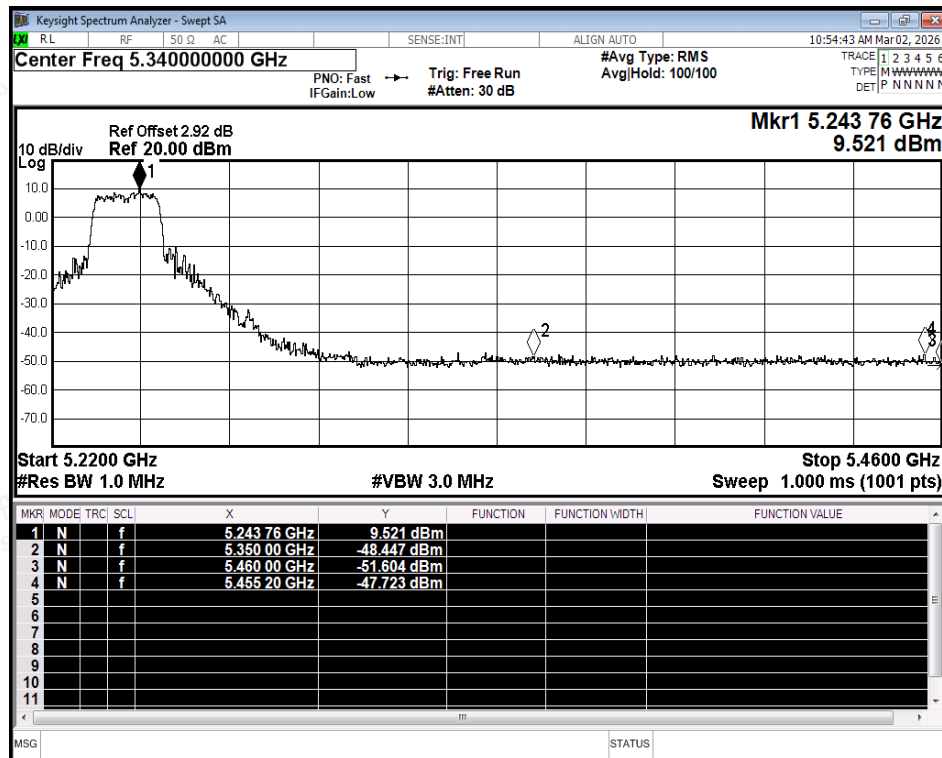


Shenzhen LCS Compliance Testing Laboratory Ltd.

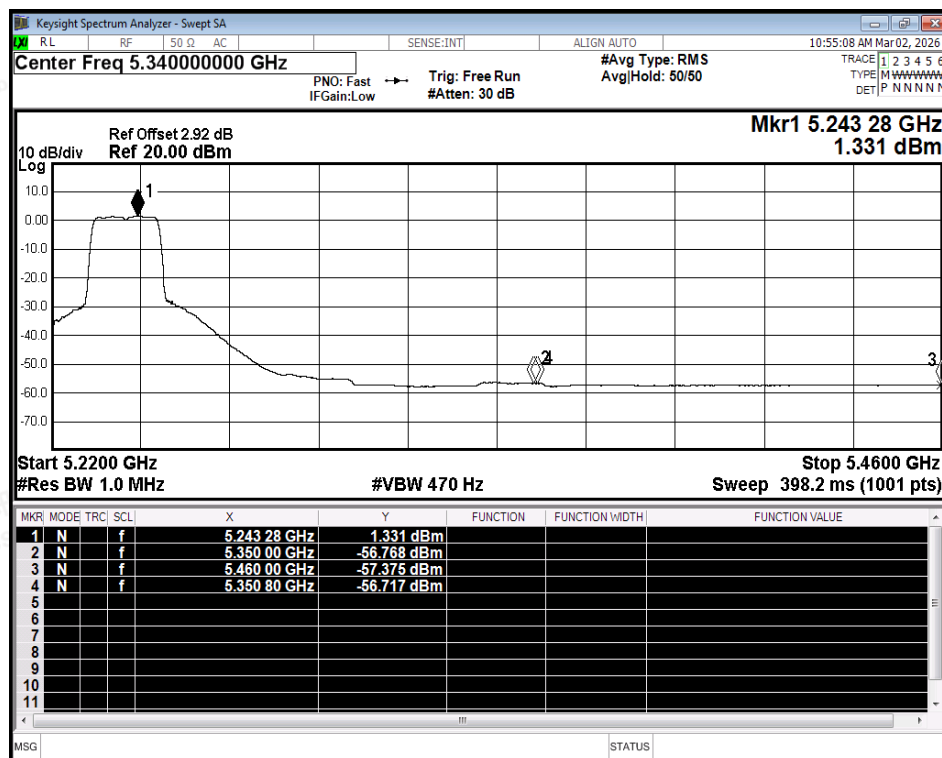
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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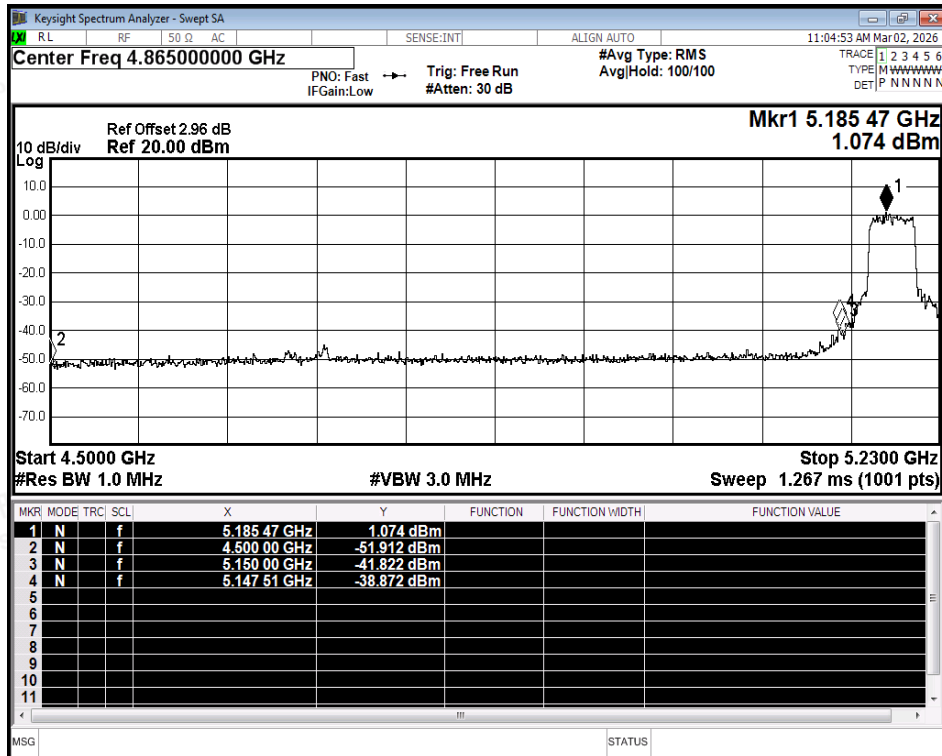


Restrict Band NVNT ac20 5240MHz Ant1 Peak

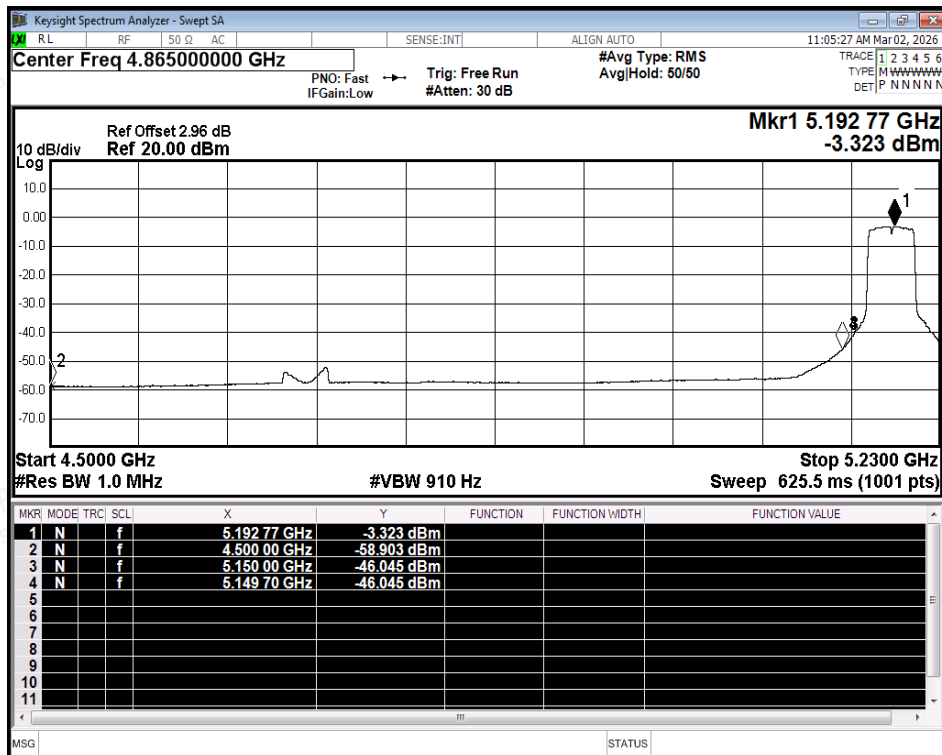


Restrict Band NVNT ac20 5240MHz Ant1 Average



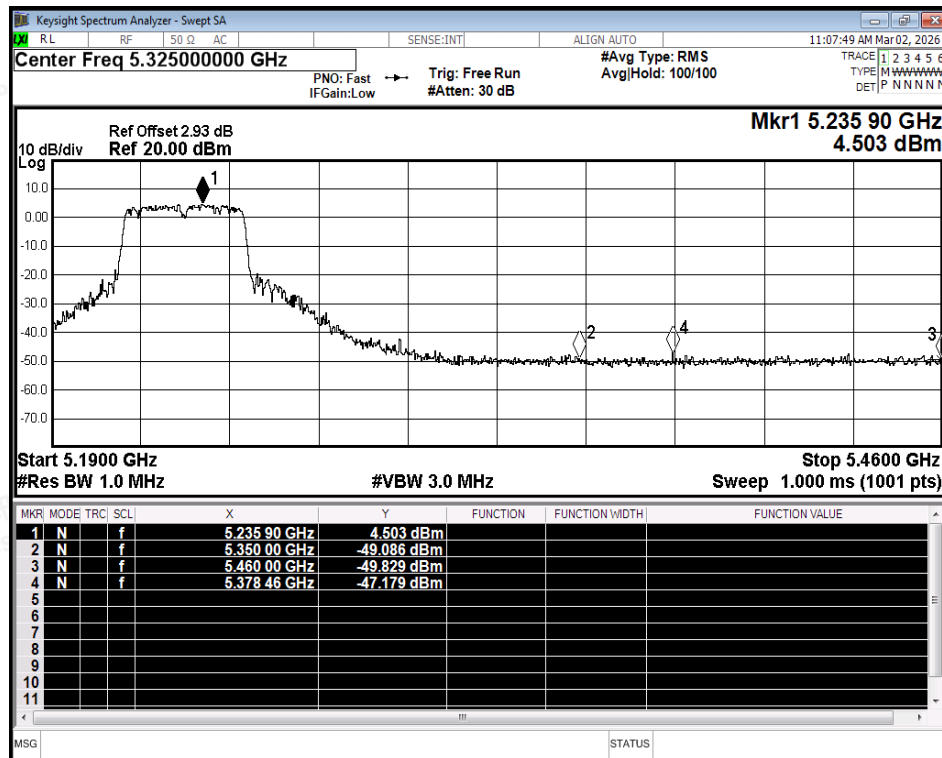


Restrict Band NVNT ac40 5190MHz Ant1 Peak

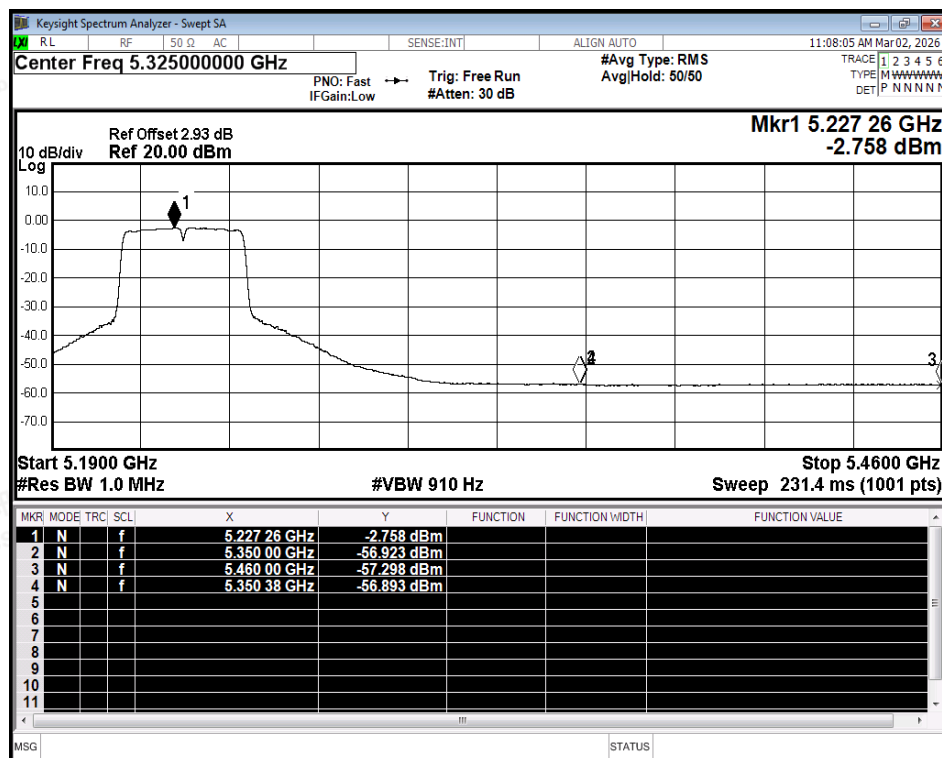


Restrict Band NVNT ac40 5190MHz Ant1 Average





Restrict Band NVNT ac40 5230MHz Ant1 Peak



Restrict Band NVNT ac40 5230MHz Ant1 Average

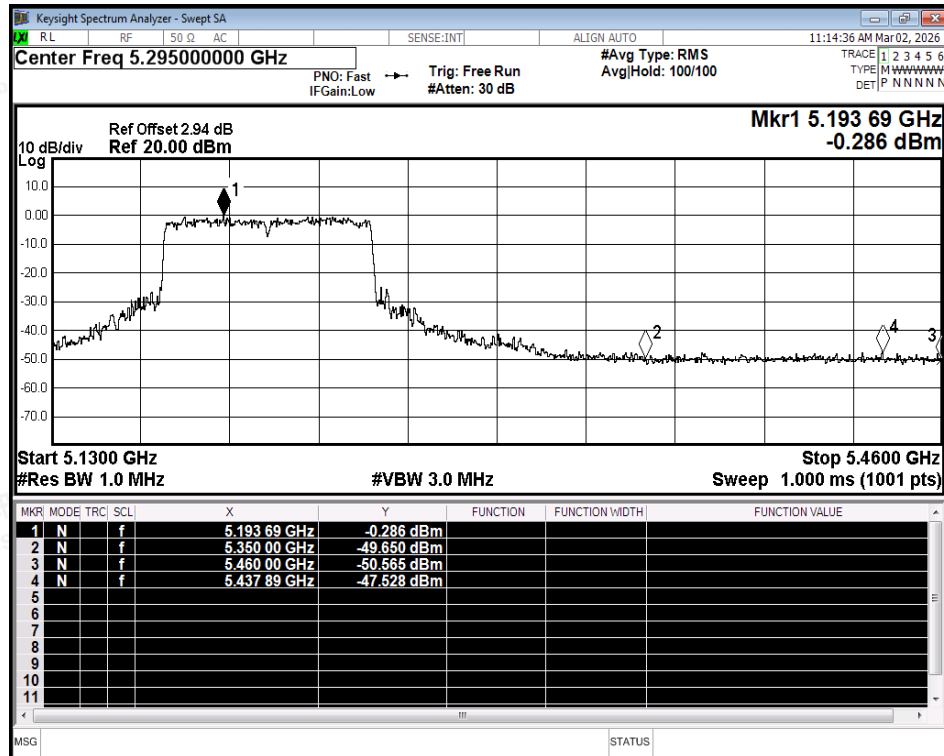


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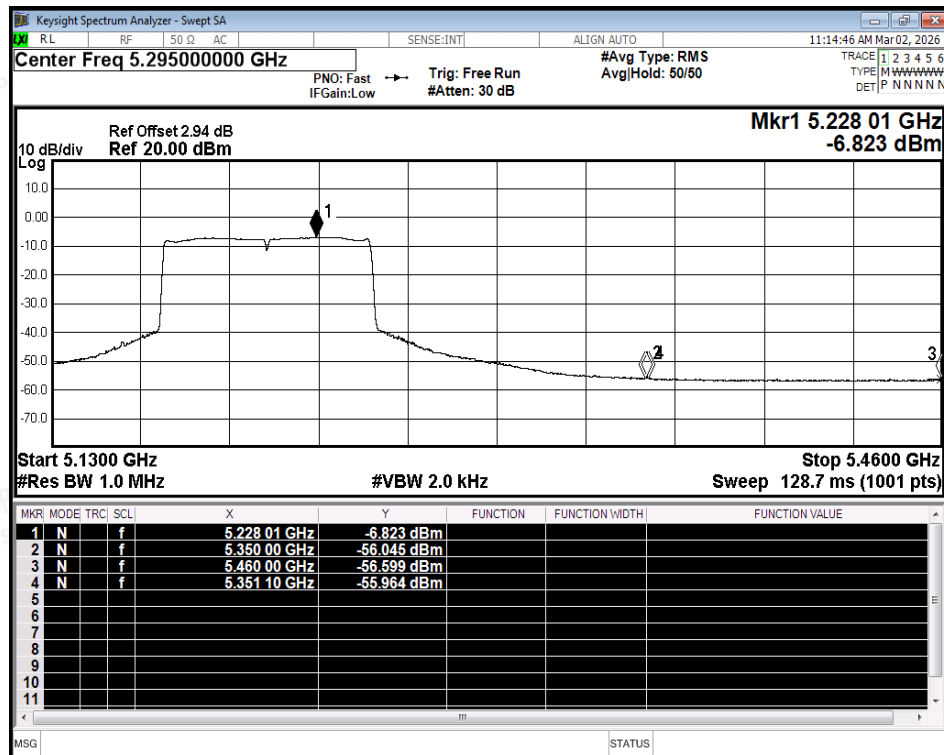
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average

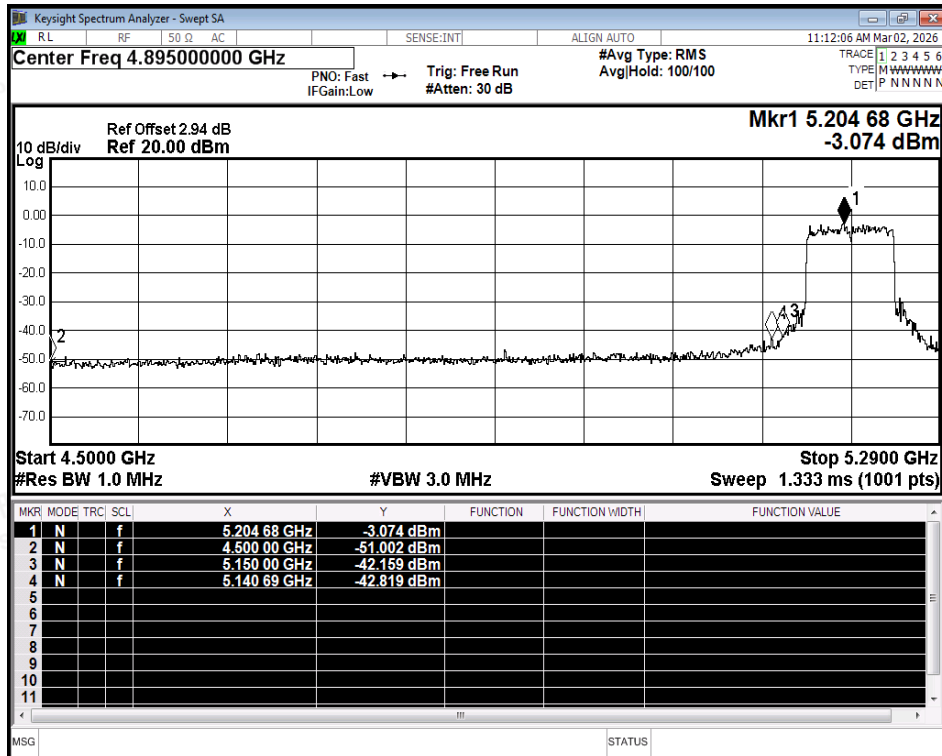


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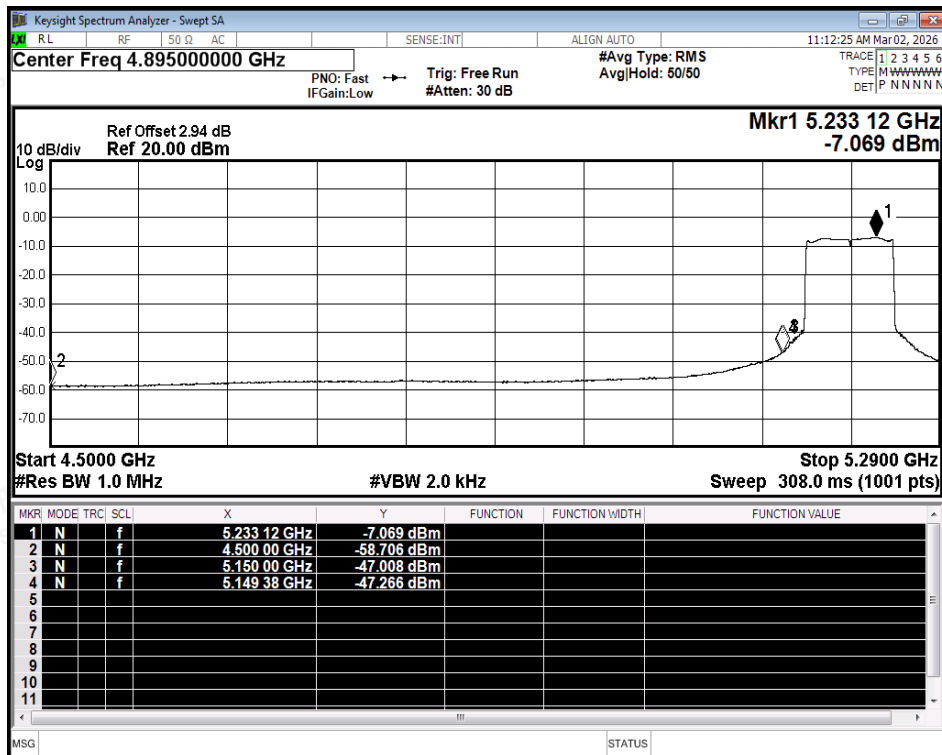
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



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D.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5180	0	0	25	Pass
NVNT	a	5200	Ant1	5200	0	0	25	Pass
NVNT	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
NVNT	n40	5190	Ant1	5190	0	0	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant1	5240	0	0	25	Pass
NVNT	ac40	5190	Ant1	5190	0	0	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass

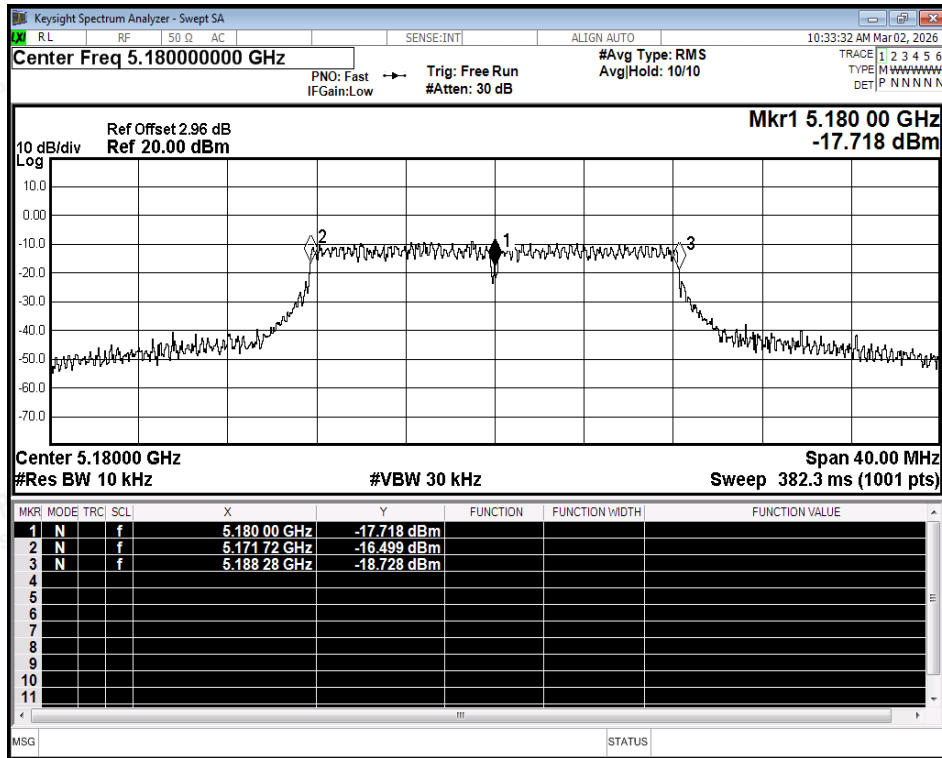


Shenzhen LCS Compliance Testing Laboratory Ltd.

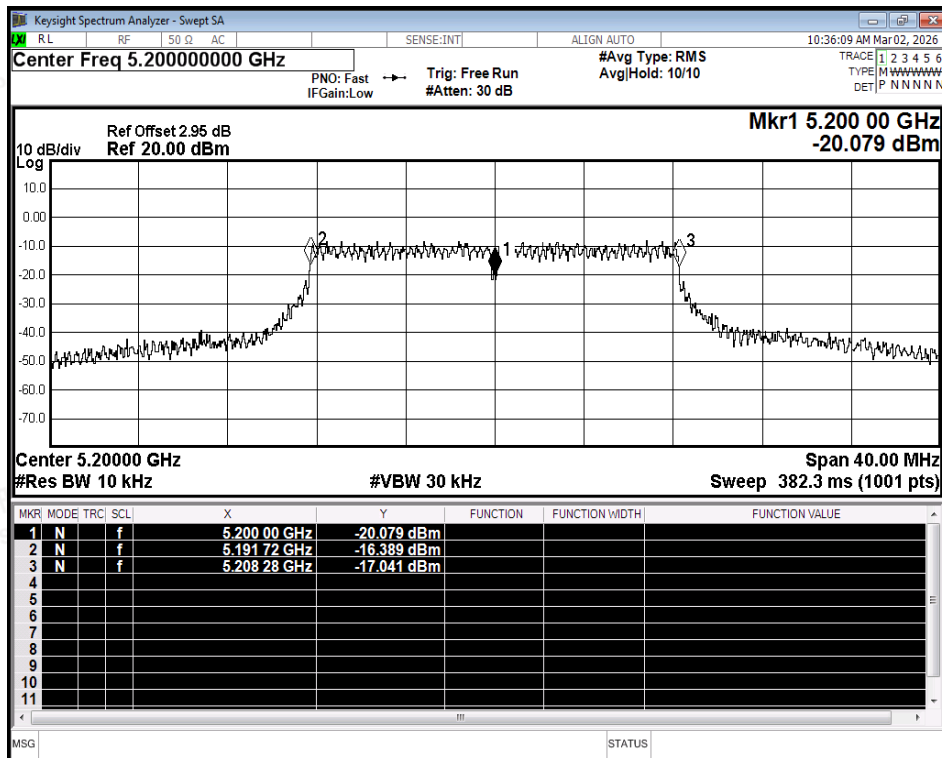
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Freq. Stability NVNT a 5180MHz Ant1



Freq. Stability NVNT a 5200MHz Ant1

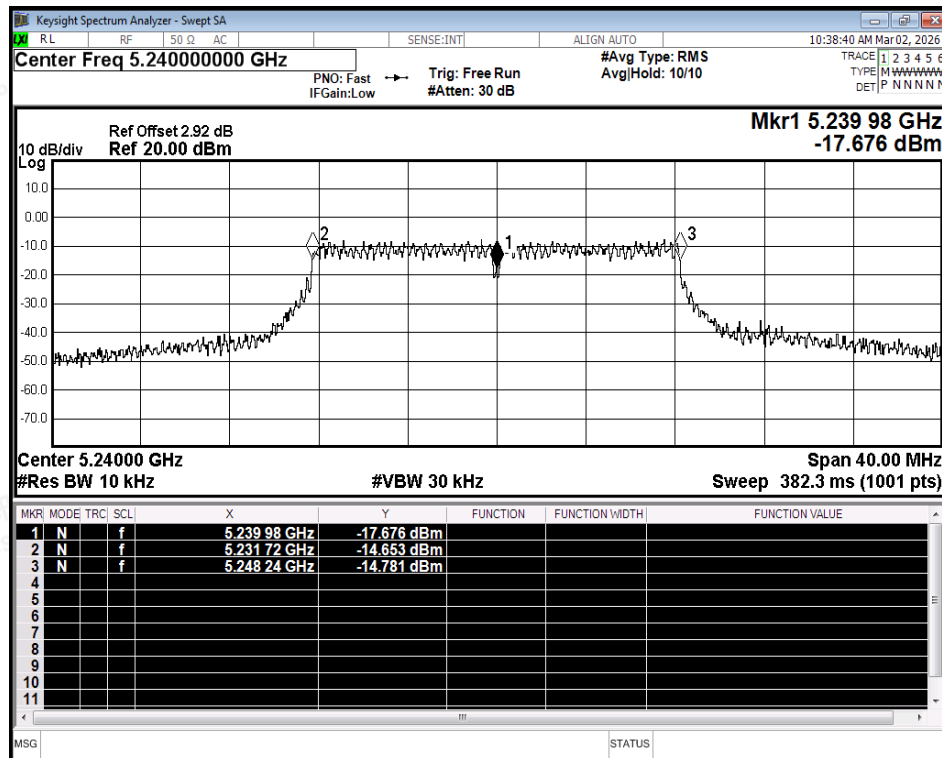


Shenzhen LCS Compliance Testing Laboratory Ltd.

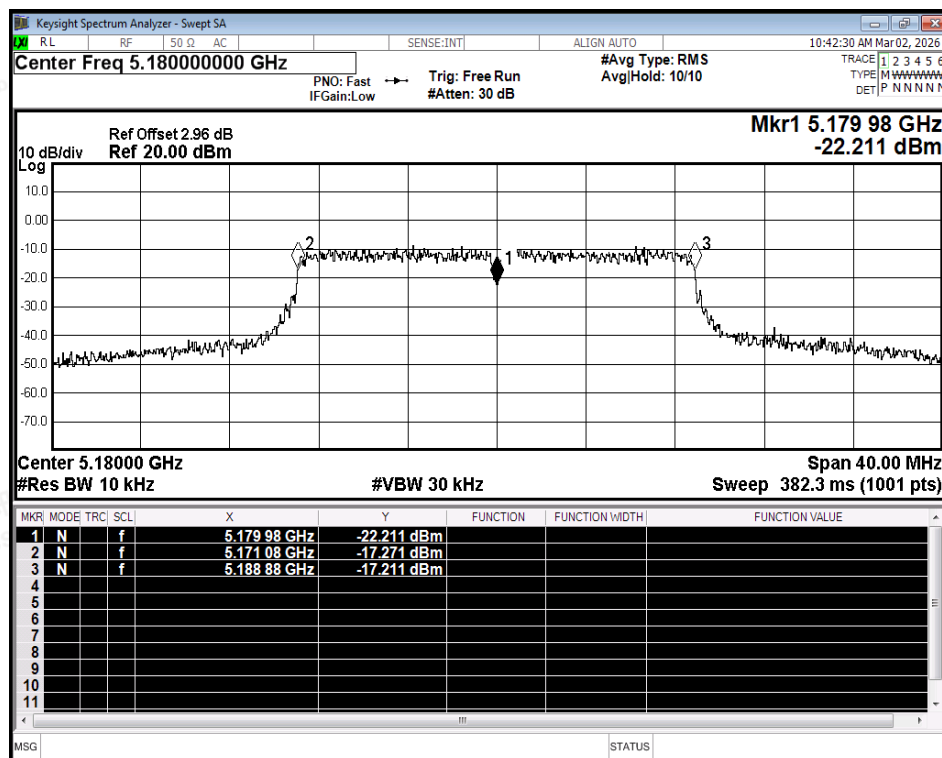
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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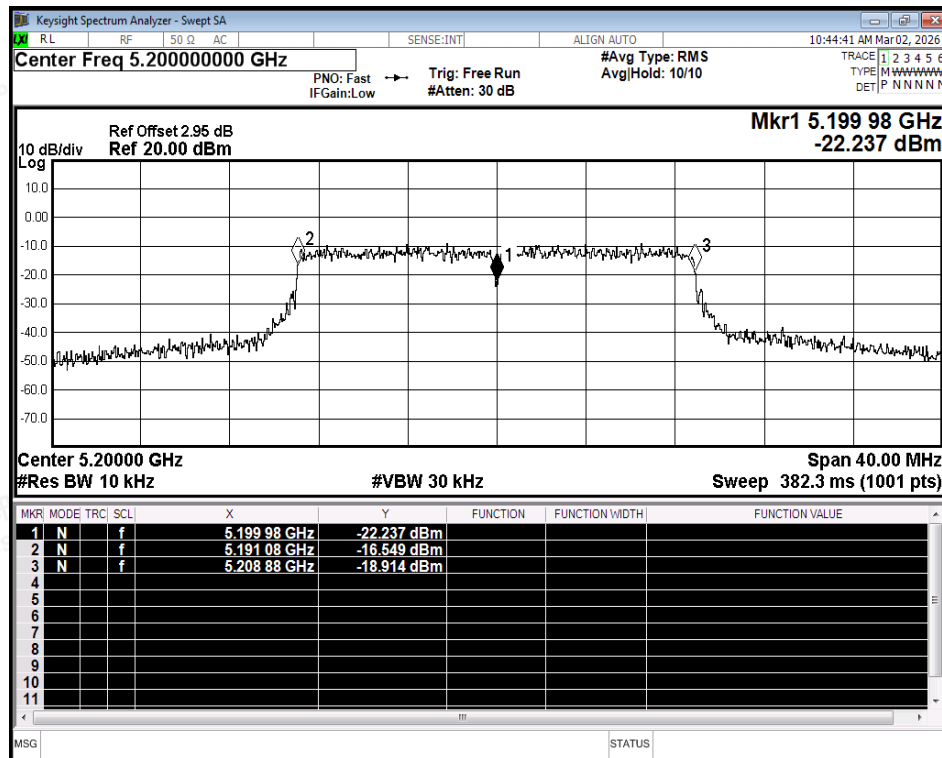


Freq. Stability NVNT a 5240MHz Ant1

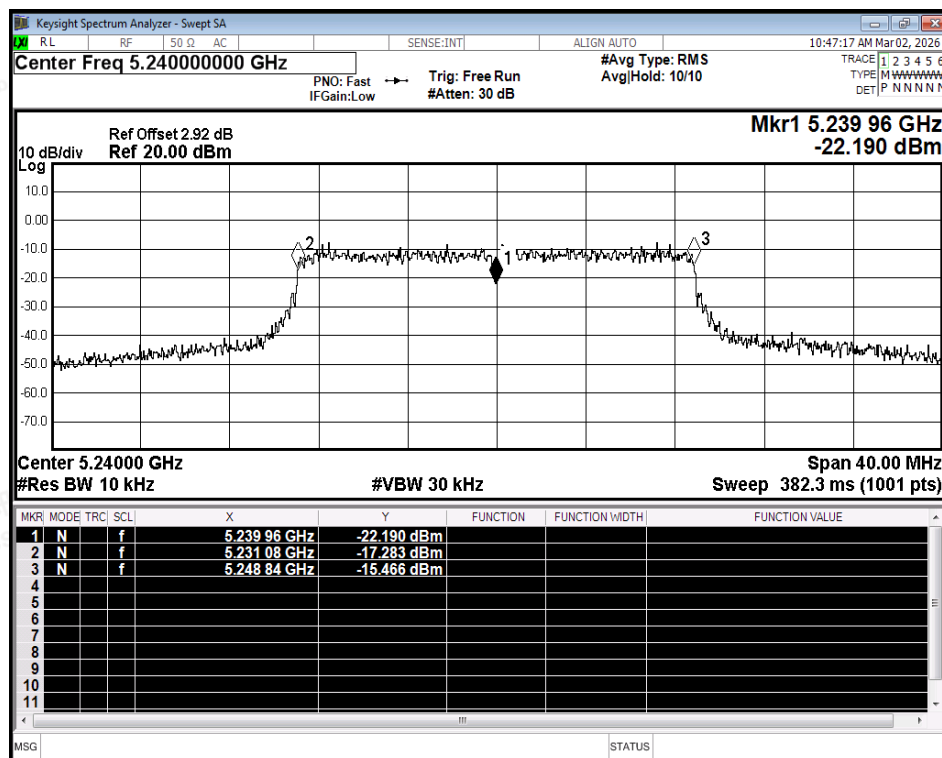


Freq. Stability NVNT n20 5180MHz Ant1



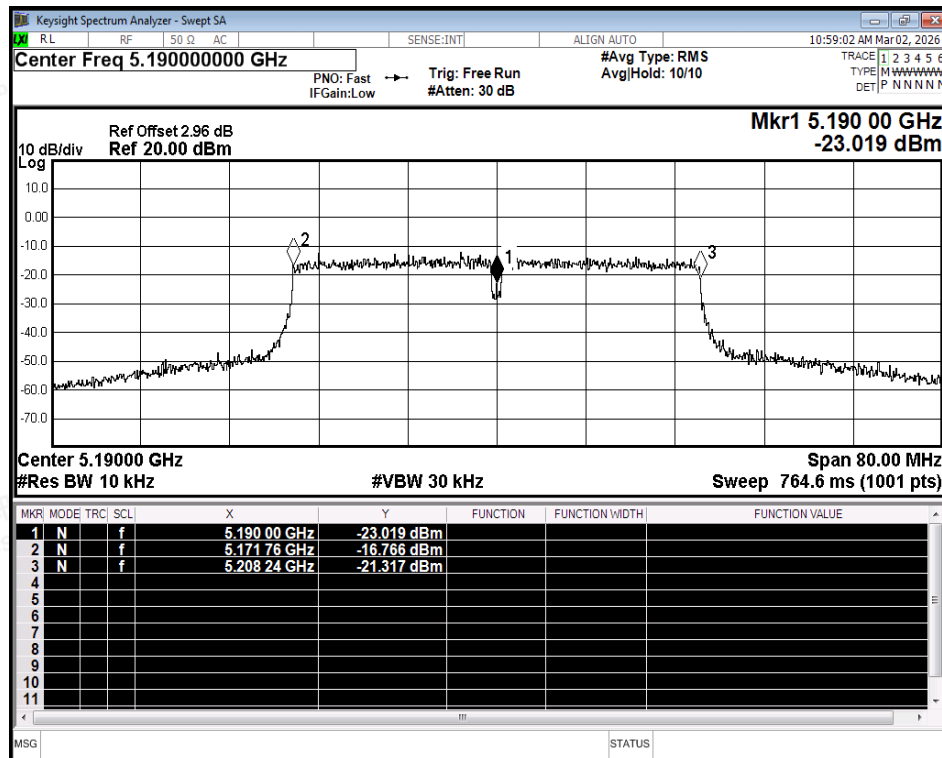


Freq. Stability NVNT n20 5200MHz Ant1

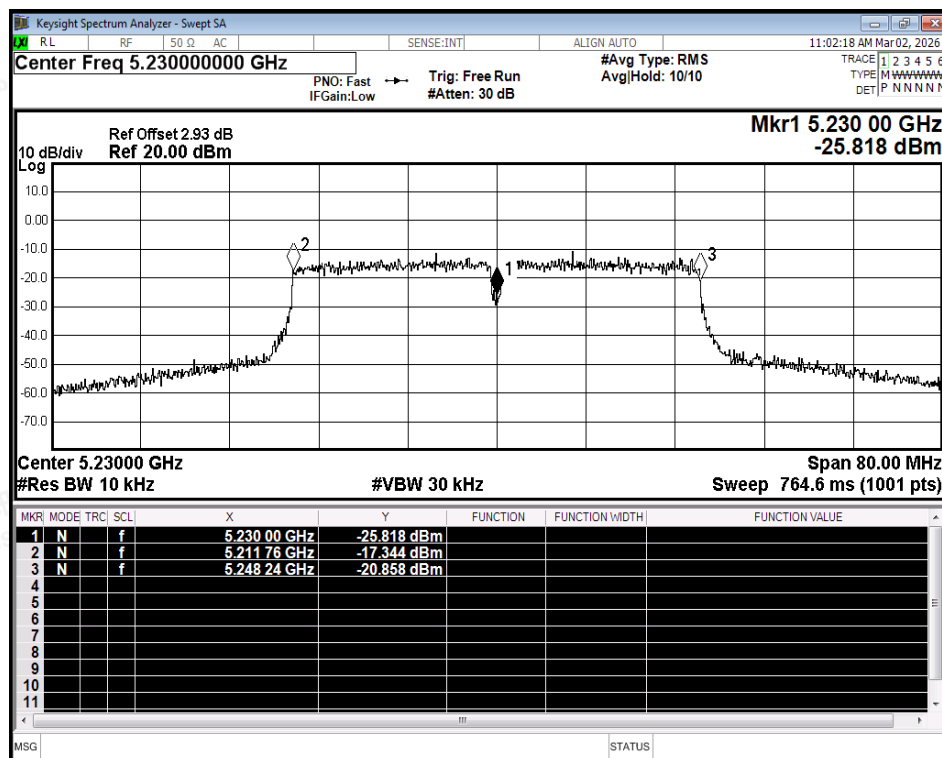


Freq. Stability NVNT n20 5240MHz Ant1





Freq. Stability NVNT n40 5190MHz Ant1



Freq. Stability NVNT n40 5230MHz Ant1

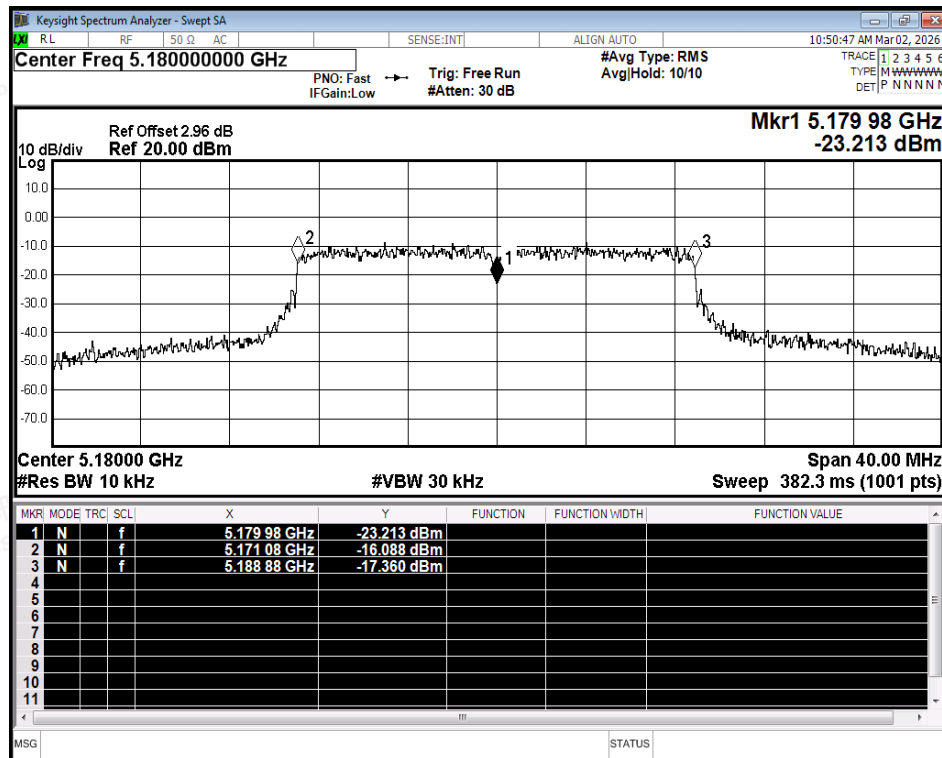


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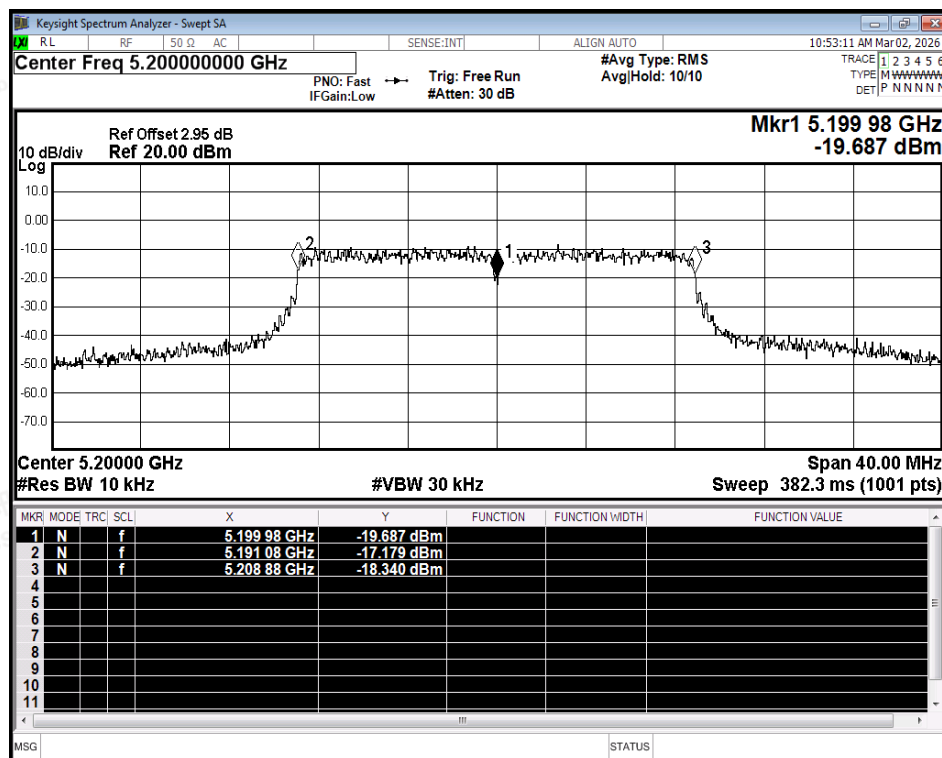
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Freq. Stability NVNT ac20 5180MHz Ant1



Freq. Stability NVNT ac20 5200MHz Ant1

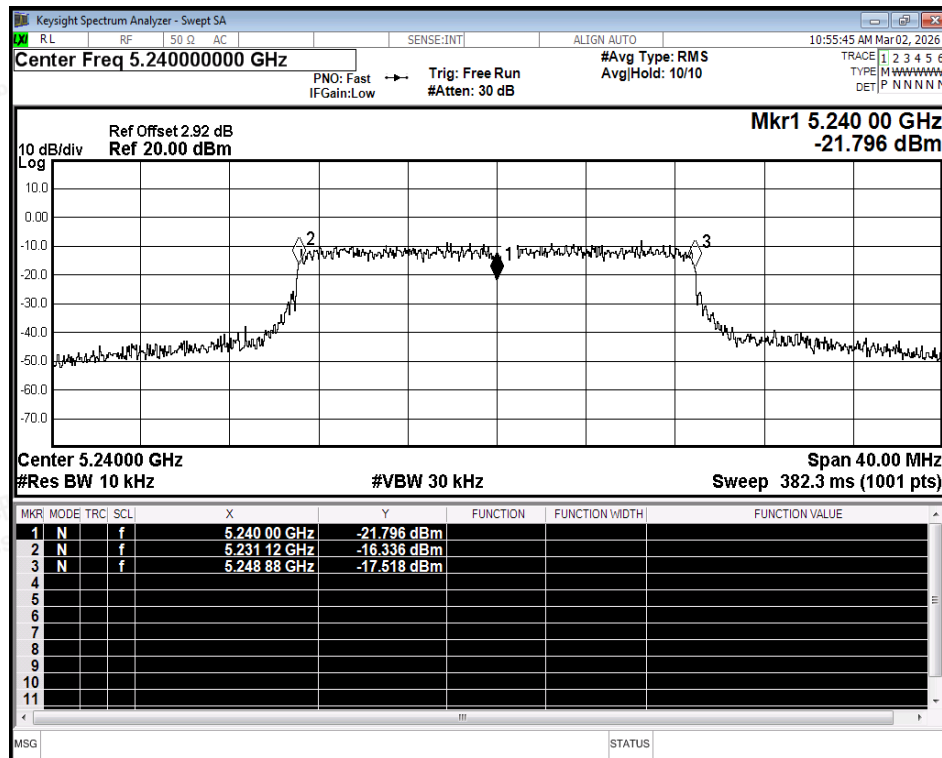


Shenzhen LCS Compliance Testing Laboratory Ltd.

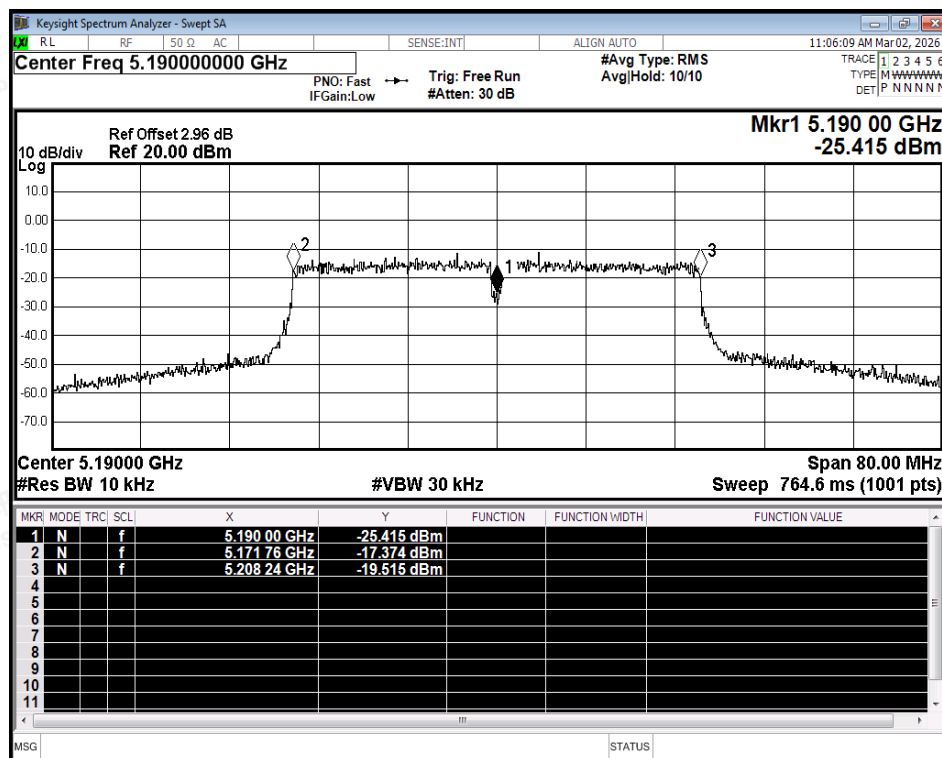
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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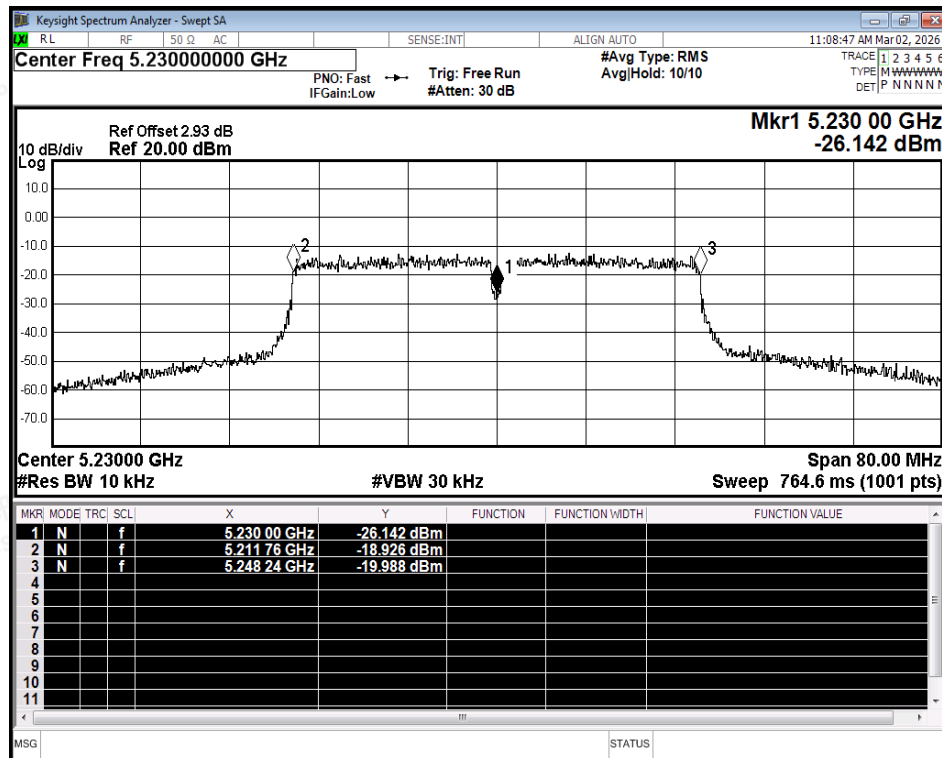


Freq. Stability NVNT ac20 5240MHz Ant1

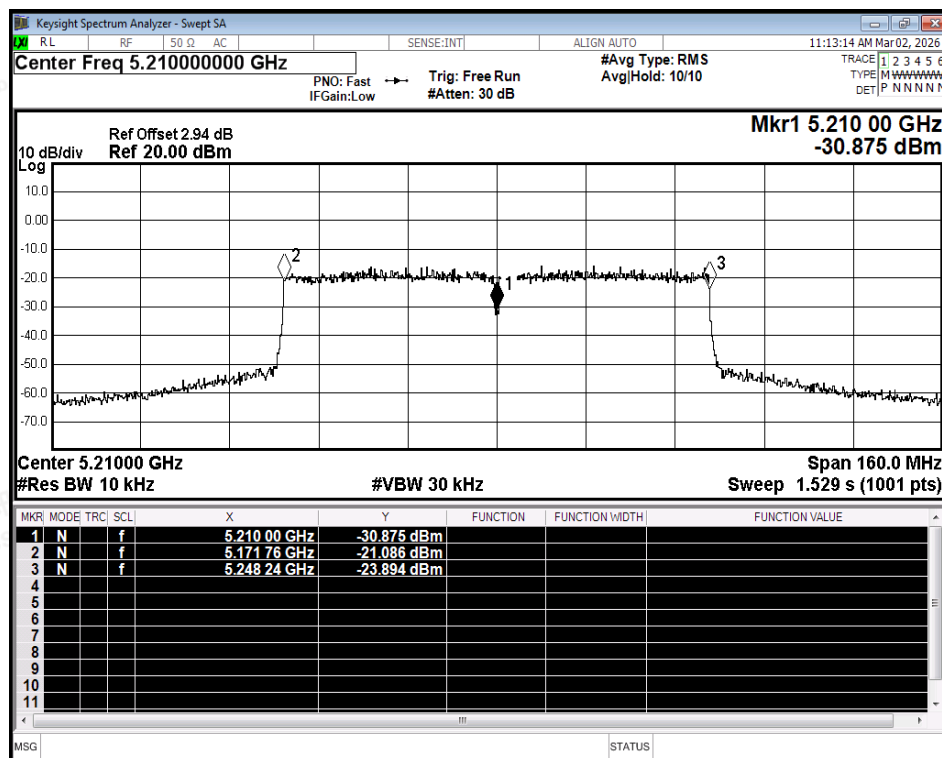


Freq. Stability NVNT ac40 5190MHz Ant1





Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1

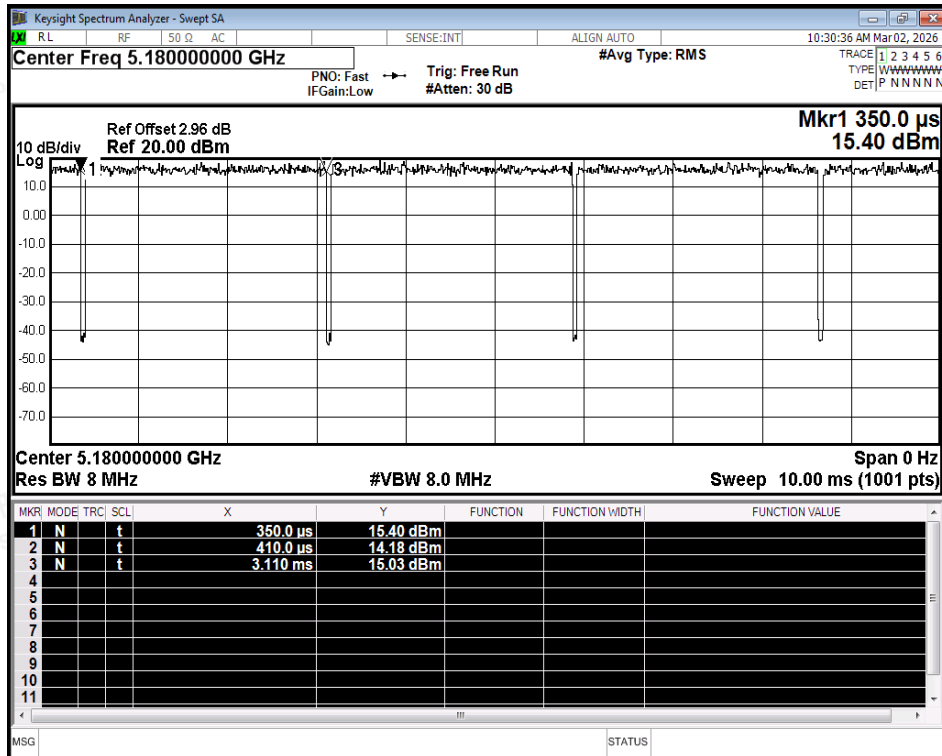




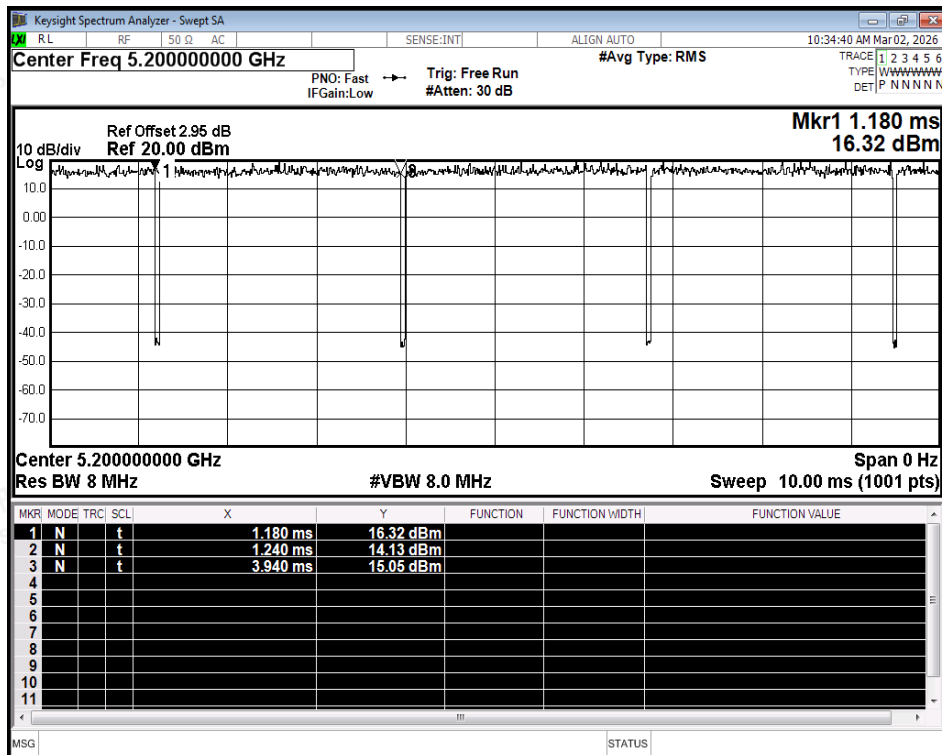
D.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.83	0.1	0.37
NVNT	a	5200	Ant1	97.83	0.1	0.37
NVNT	a	5240	Ant1	97.83	0.1	0.37
NVNT	n20	5180	Ant1	97.41	0.11	0.44
NVNT	n20	5200	Ant1	97	0.13	0.44
NVNT	n20	5240	Ant1	97	0.13	0.44
NVNT	n40	5190	Ant1	94.02	0.27	0.91
NVNT	n40	5230	Ant1	94.87	0.23	0.9
NVNT	ac20	5180	Ant1	97	0.13	0.44
NVNT	ac20	5200	Ant1	97.42	0.11	0.44
NVNT	ac20	5240	Ant1	97.42	0.11	0.44
NVNT	ac40	5190	Ant1	94.92	0.23	0.89
NVNT	ac40	5230	Ant1	94.92	0.23	0.89
NVNT	ac80	5210	Ant1	90	0.46	1.85





Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1

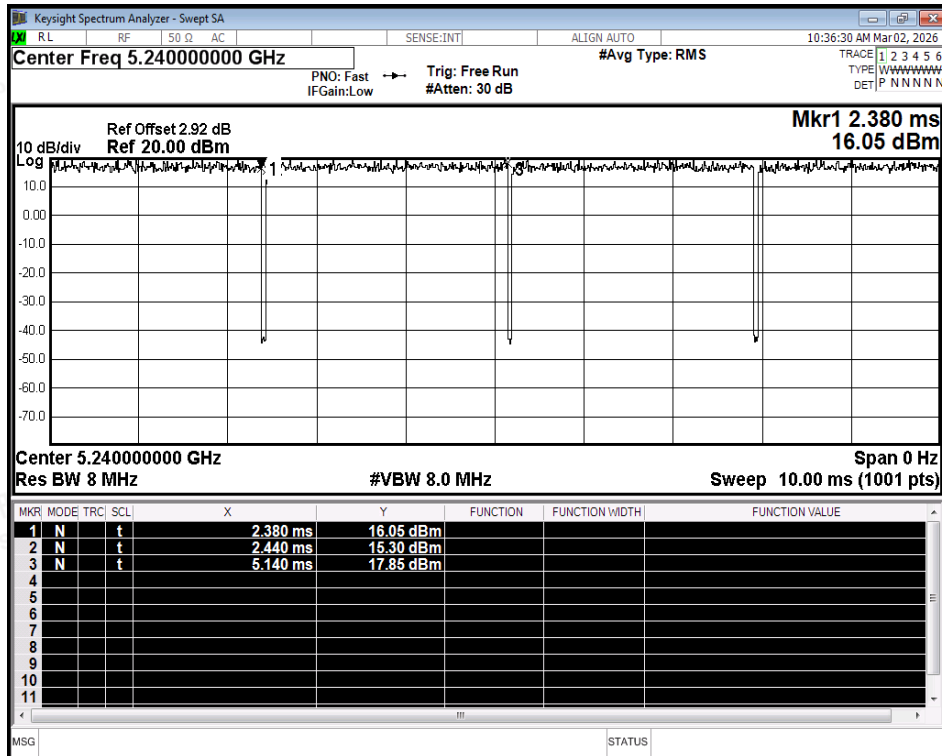


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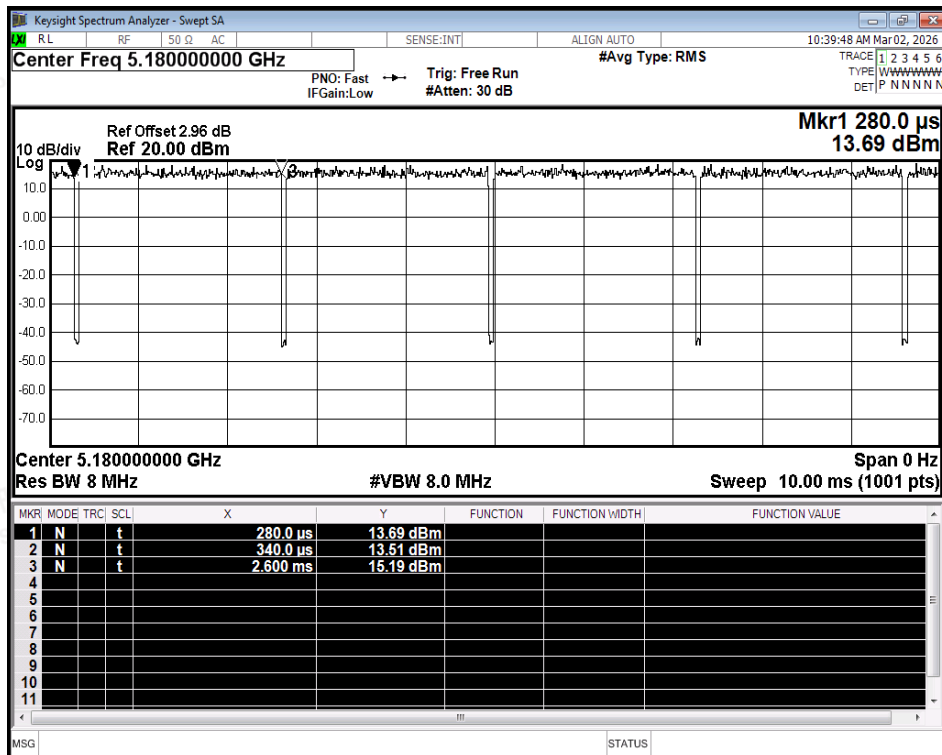
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Duty Cycle NVNT a 5240MHz Ant1



Duty Cycle NVNT n20 5180MHz Ant1

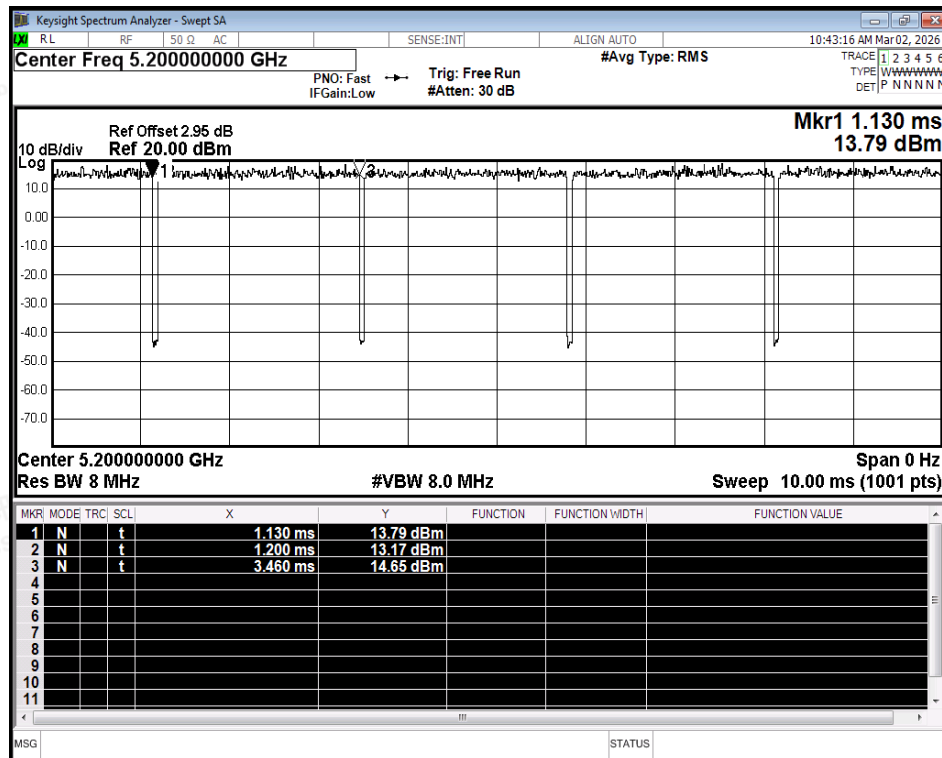


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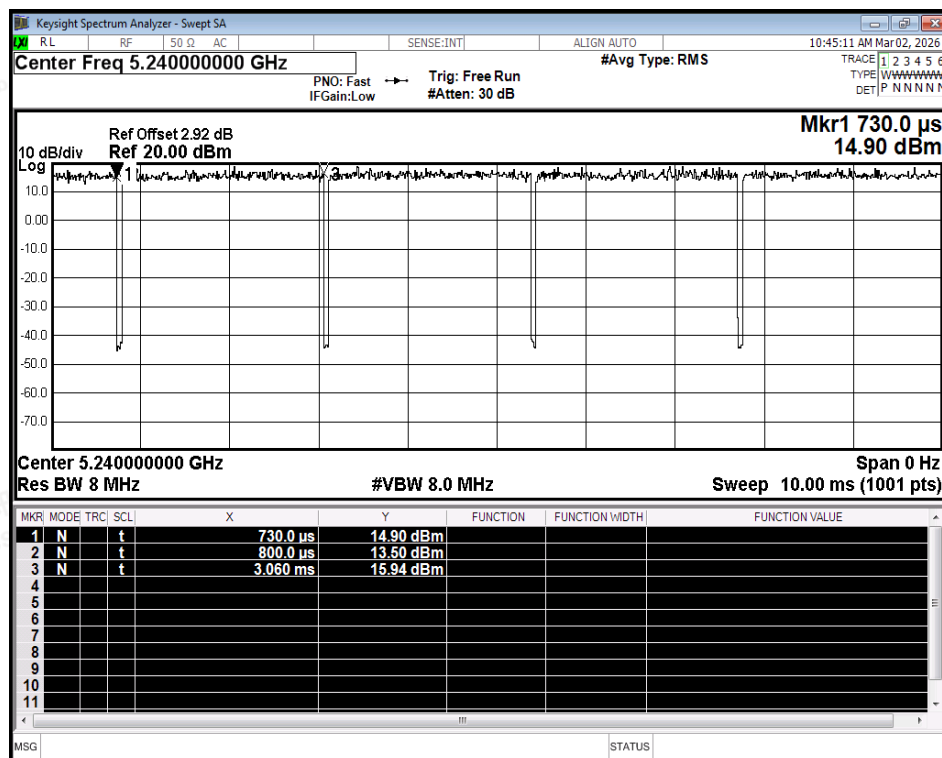
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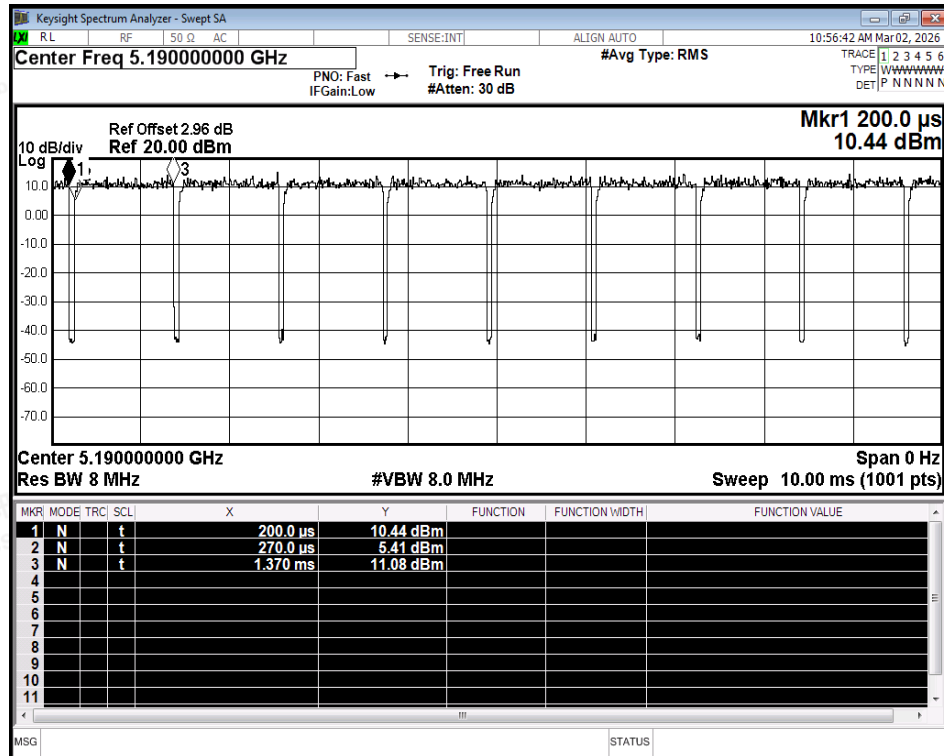


Duty Cycle NVNT n20 5200MHz Ant1

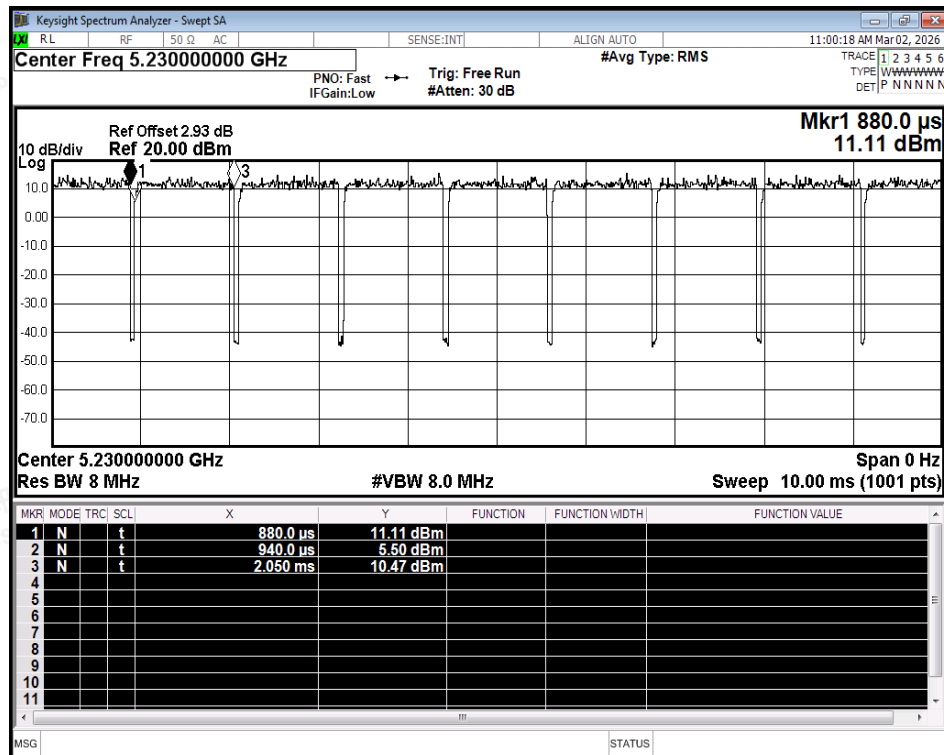


Duty Cycle NVNT n20 5240MHz Ant1





Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1

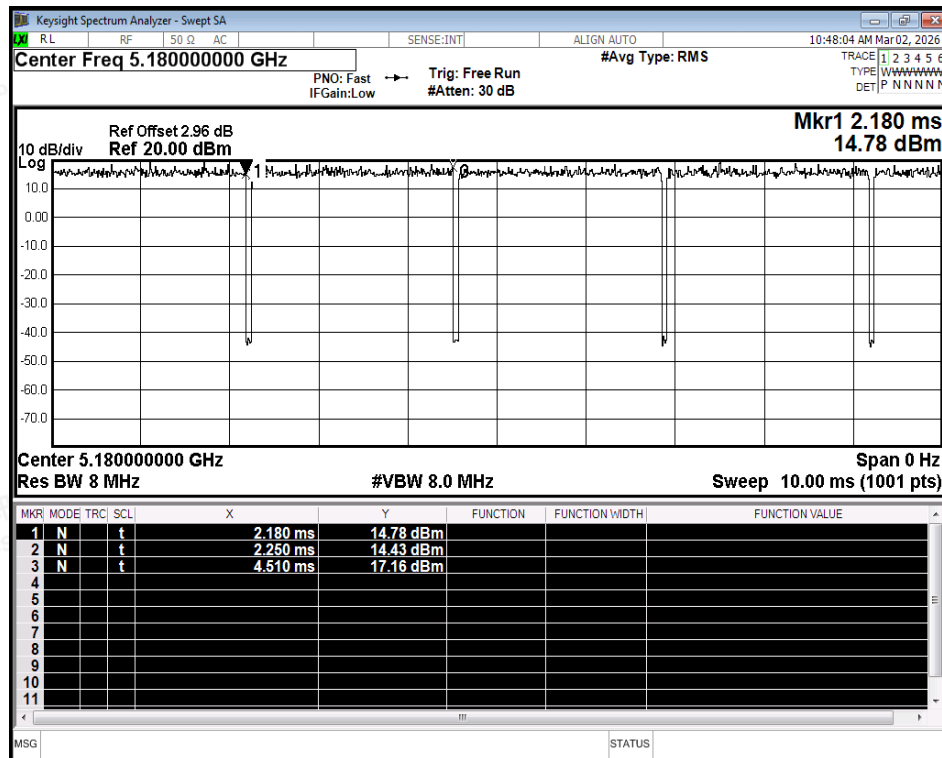


Shenzhen LCS Compliance Testing Laboratory Ltd.

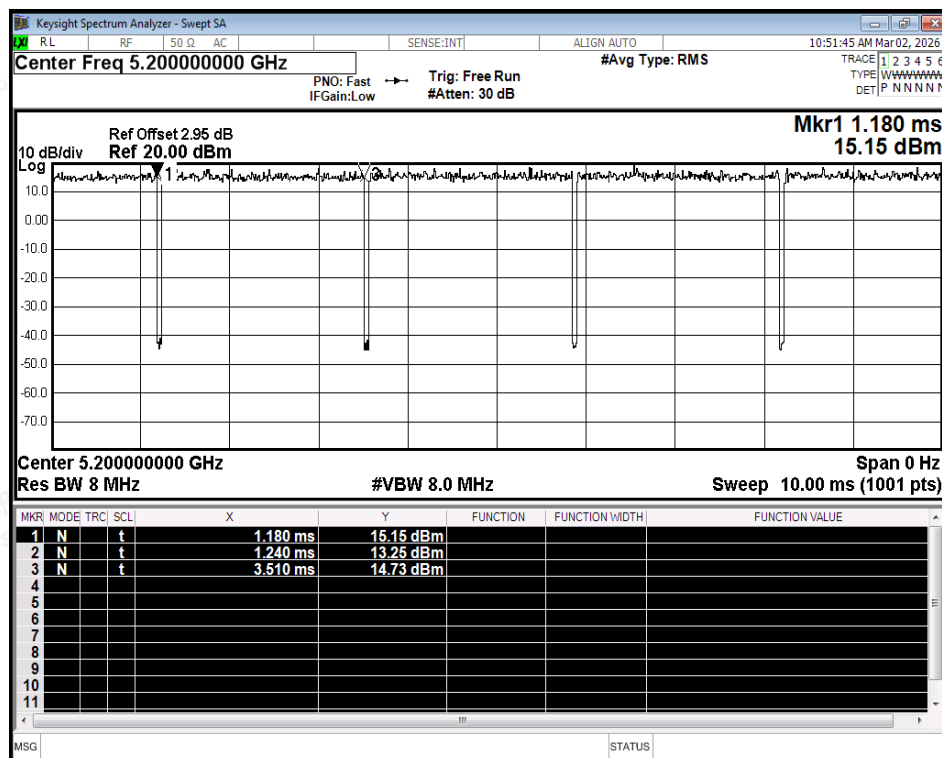
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Duty Cycle NVNT ac20 5180MHz Ant1



Duty Cycle NVNT ac20 5200MHz Ant1

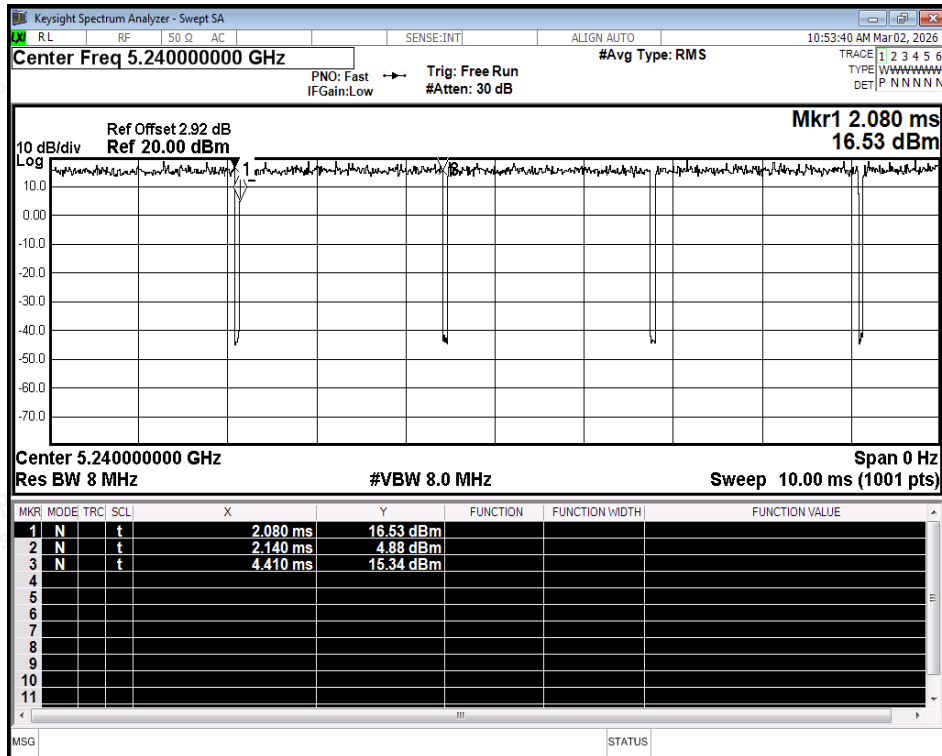


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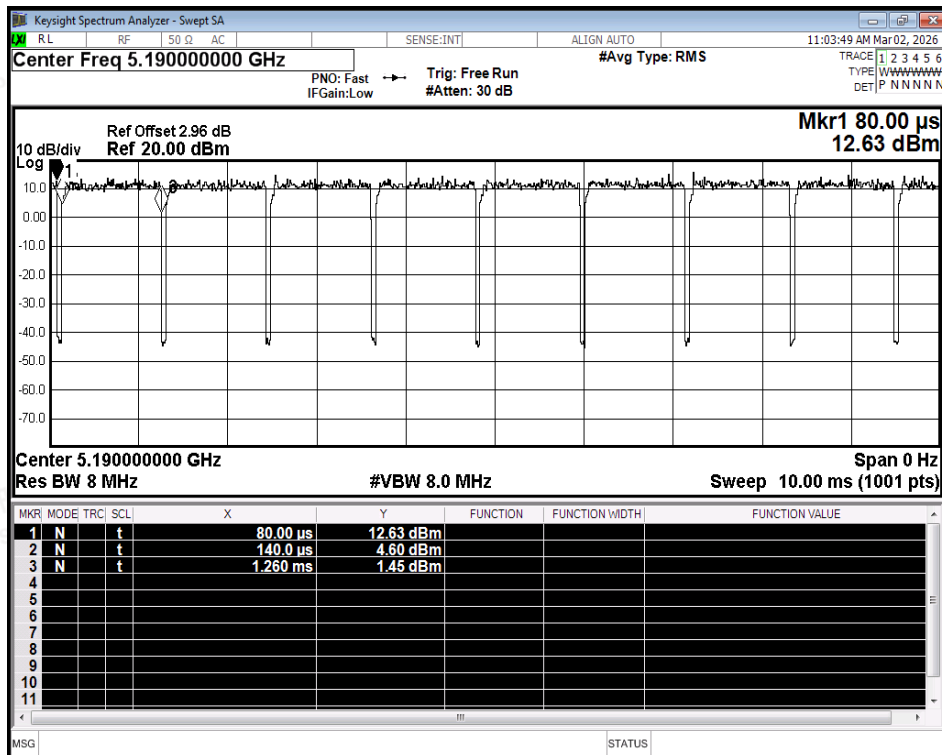
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1

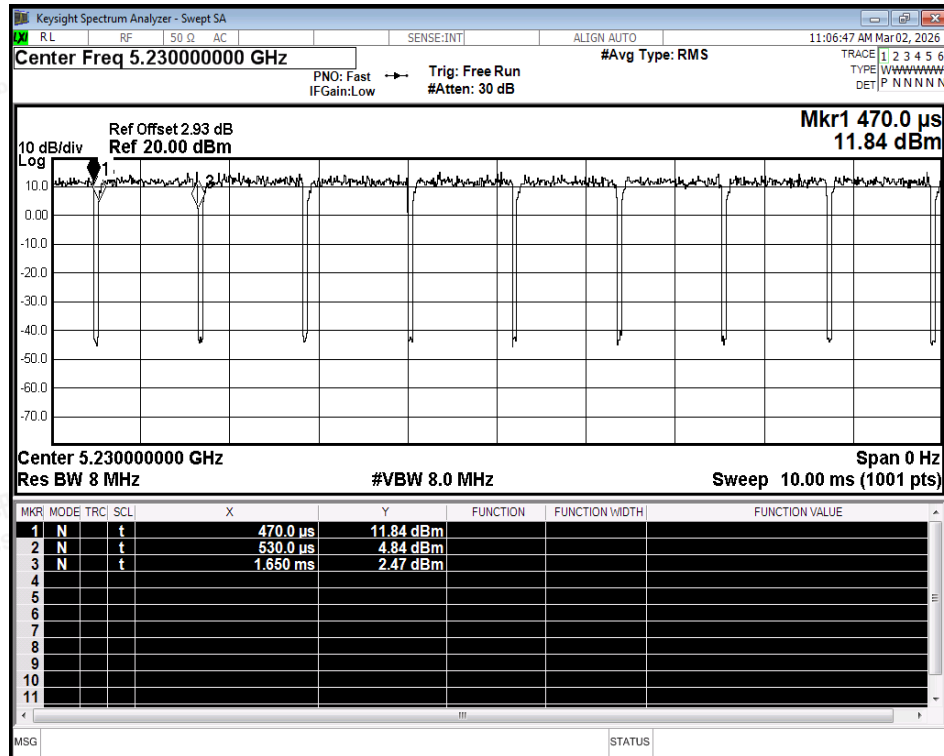


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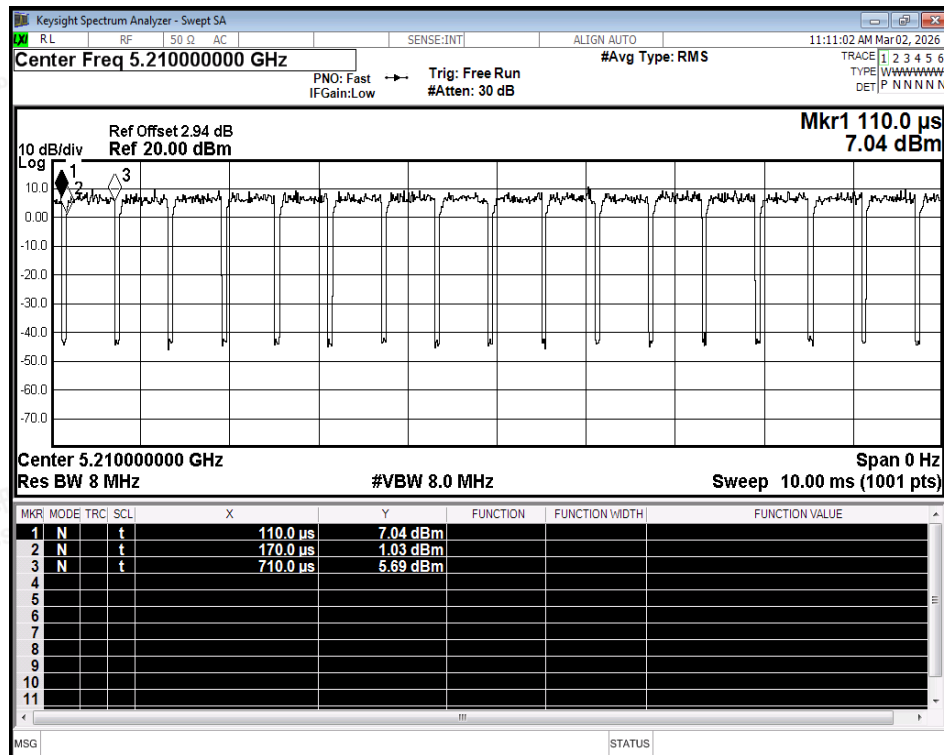
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Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1

