



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Laptop PC 16inch

Test Model: PN1606P

Environmental Conditions

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





D.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.364	---	Pass
NVNT	a	5200	Ant1	18.339	---	Pass
NVNT	a	5240	Ant1	18.412	---	Pass
NVNT	n20	5180	Ant1	19.292	---	Pass
NVNT	n20	5200	Ant1	19.131	---	Pass
NVNT	n20	5240	Ant1	19.264	---	Pass
NVNT	n40	5190	Ant1	41.196	---	Pass
NVNT	n40	5230	Ant1	41.003	---	Pass
NVNT	ac20	5180	Ant1	19.19	---	Pass
NVNT	ac20	5200	Ant1	19.291	---	Pass
NVNT	ac20	5240	Ant1	19.286	---	Pass
NVNT	ac40	5190	Ant1	40.904	---	Pass
NVNT	ac40	5230	Ant1	41.358	---	Pass
NVNT	ac80	5210	Ant1	80.541	---	Pass

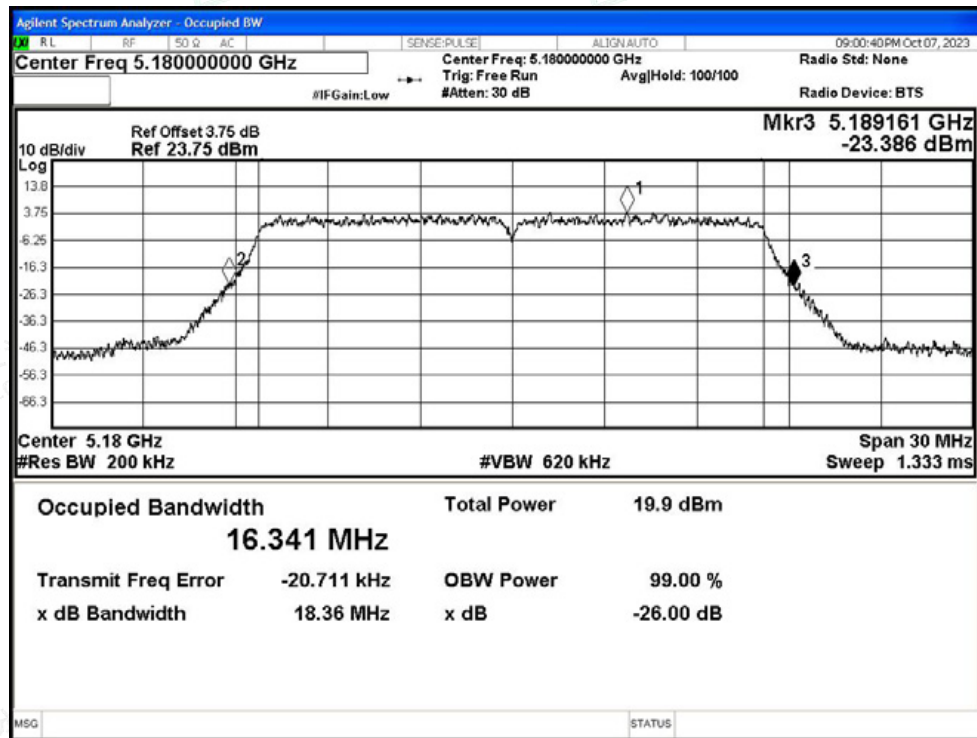


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

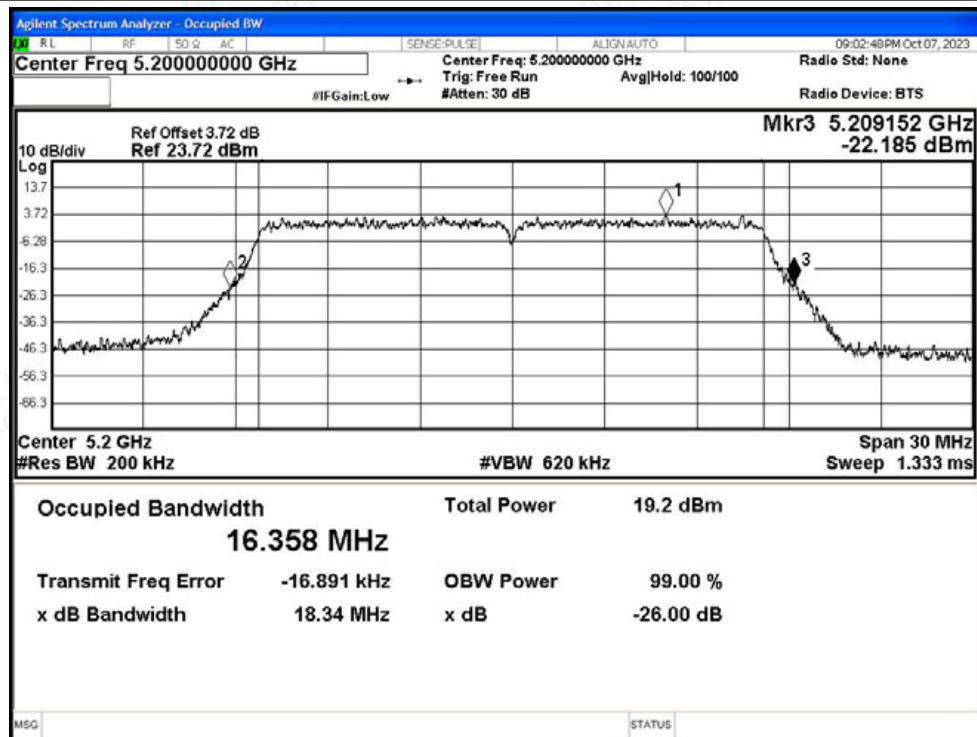


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

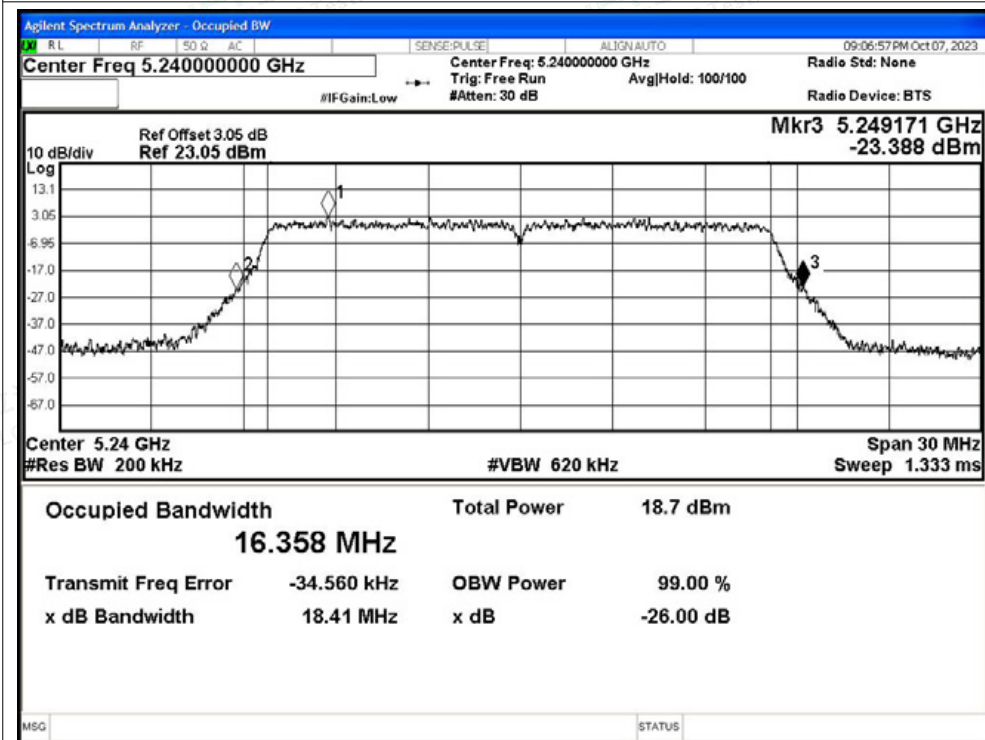
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

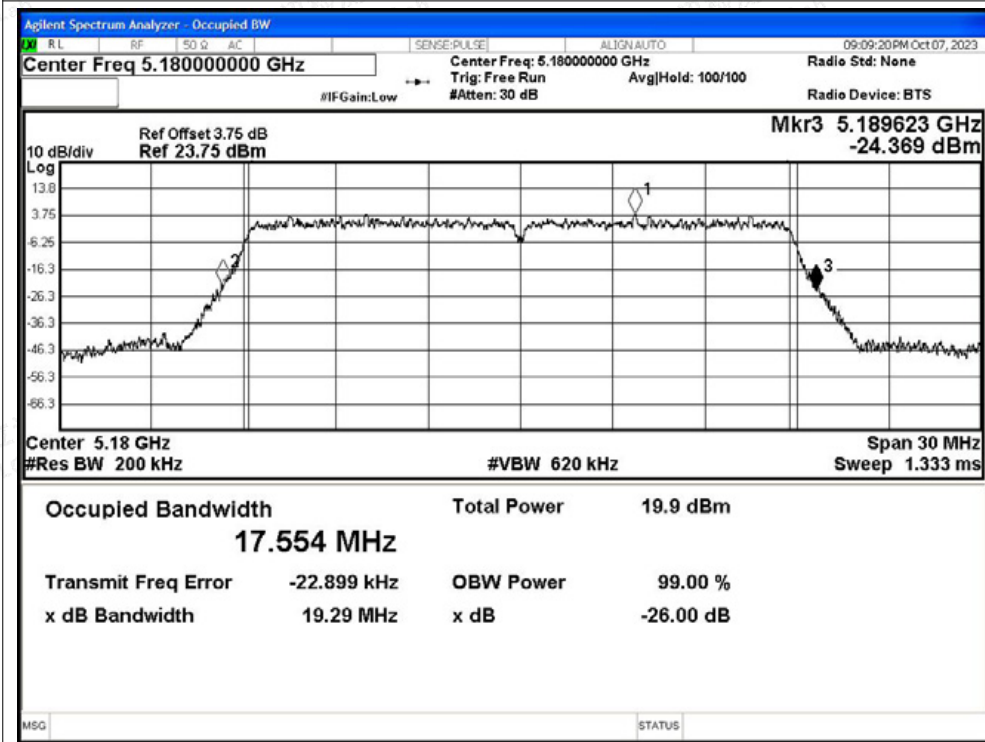
Scan code to check authenticity



-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

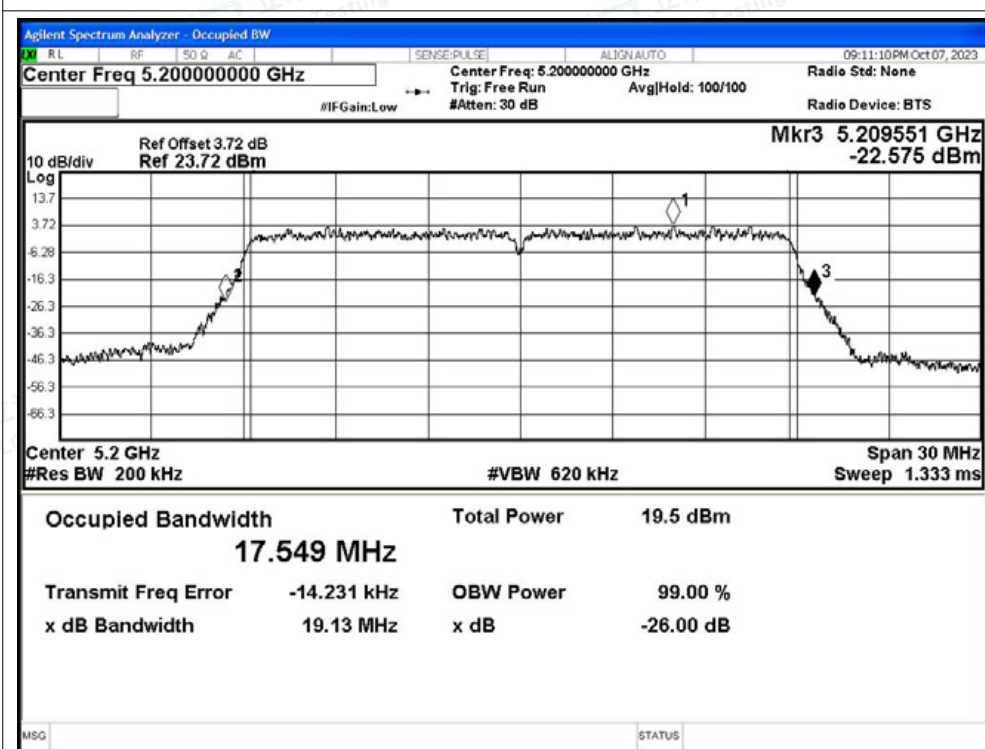
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

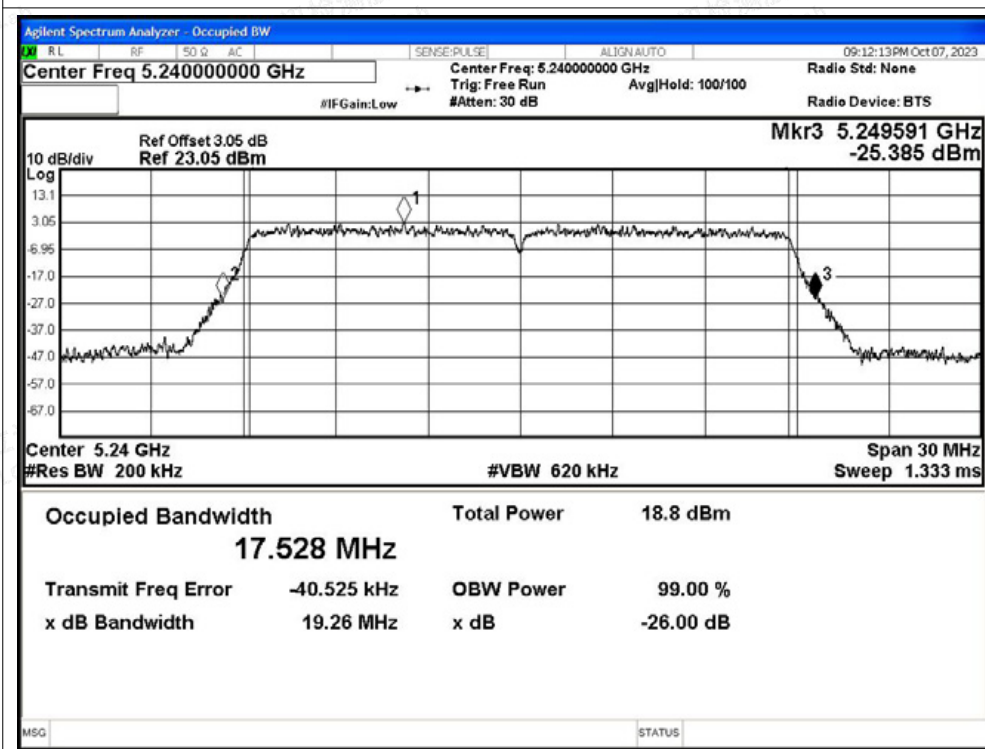
Scan code to check authenticity



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

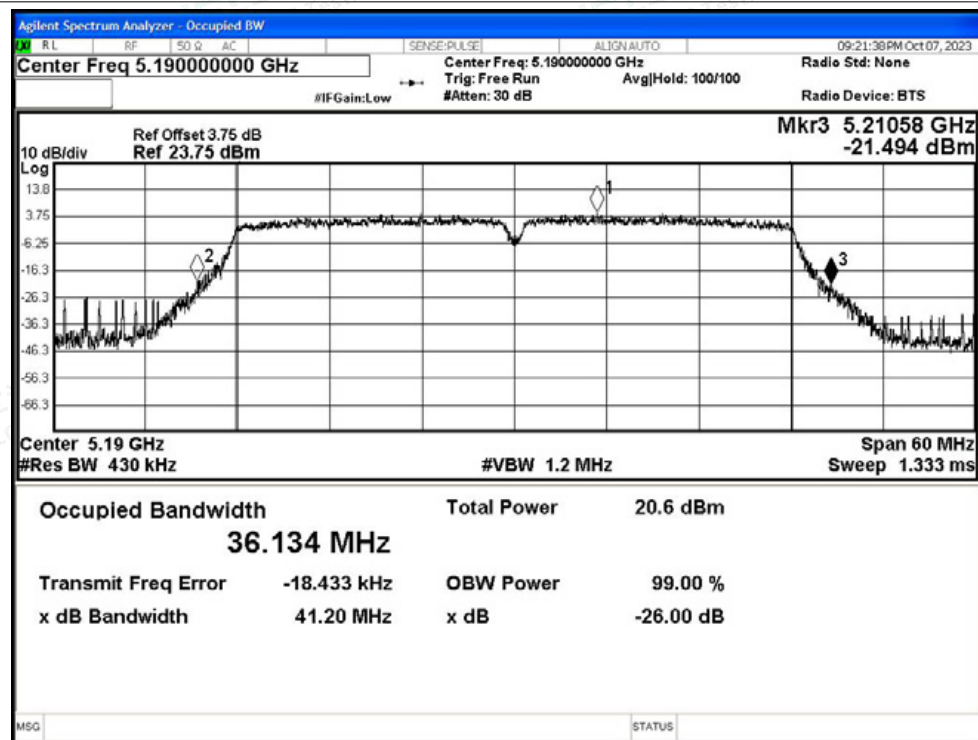
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

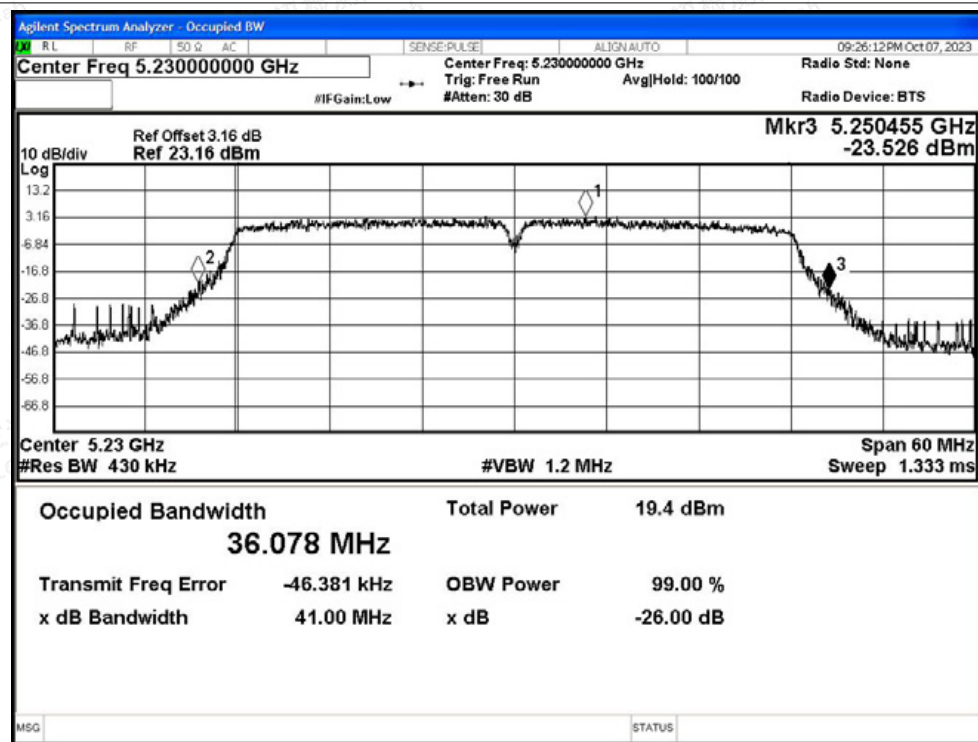
Scan code to check authenticity



-26dB Bandwidth NVNT n40 5190MHz Ant1

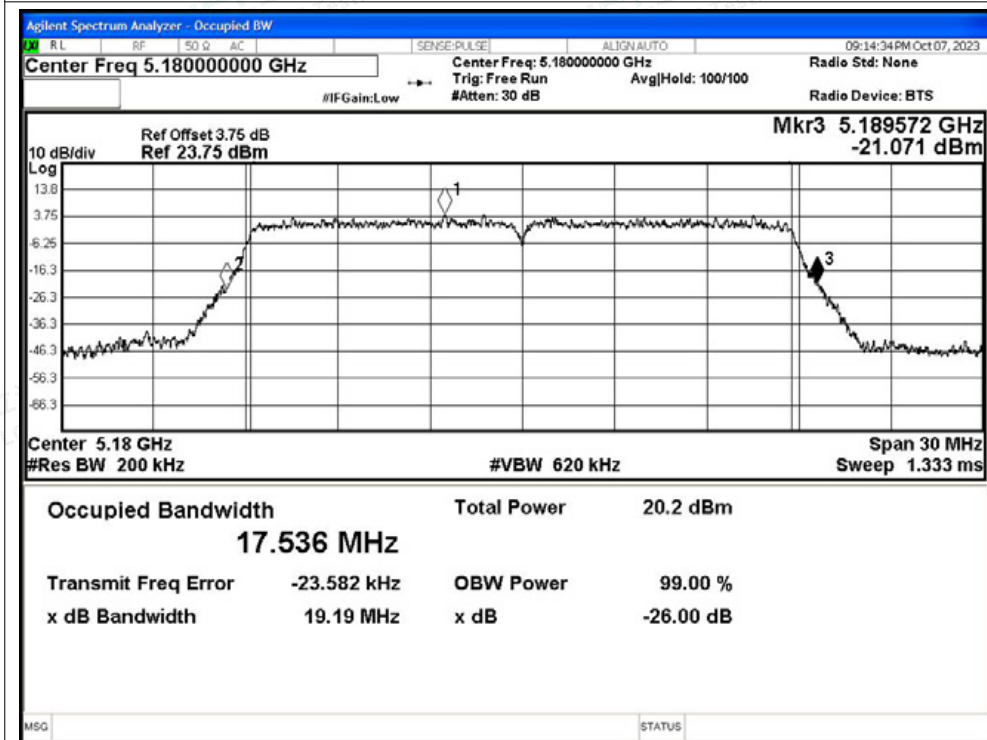


-26dB Bandwidth NVNT n40 5230MHz Ant1

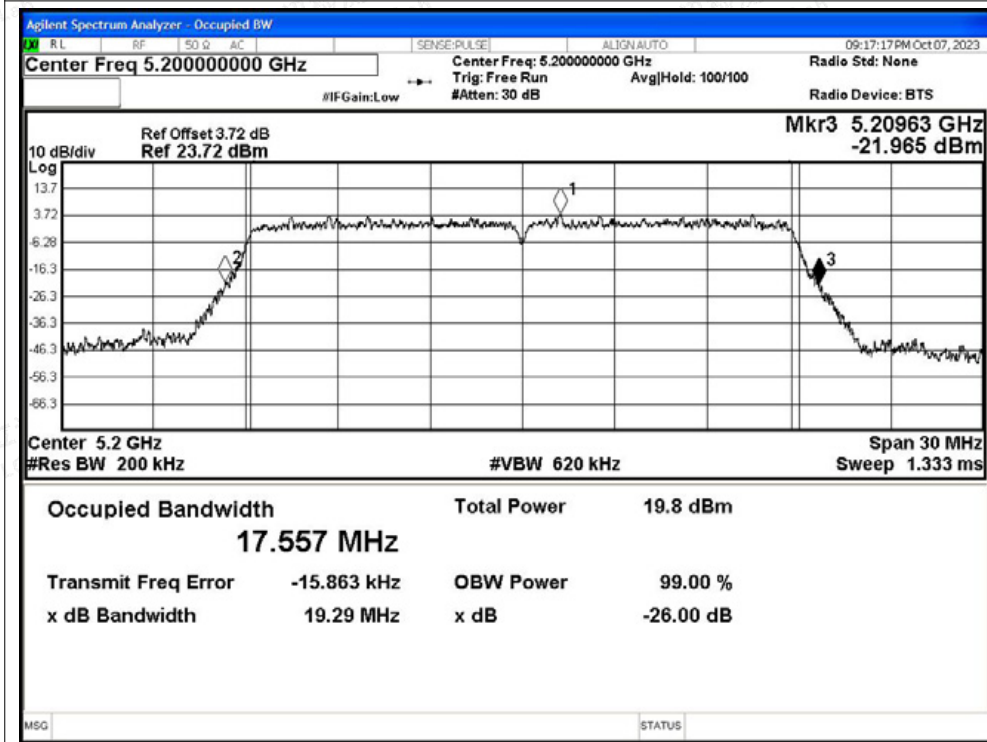




-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

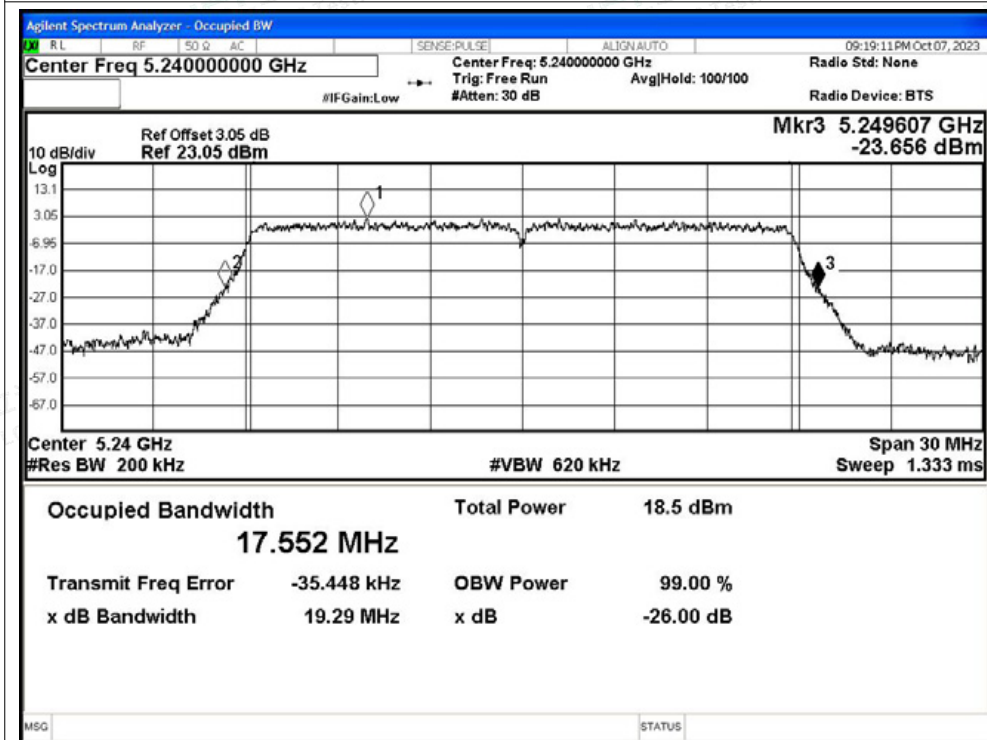
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

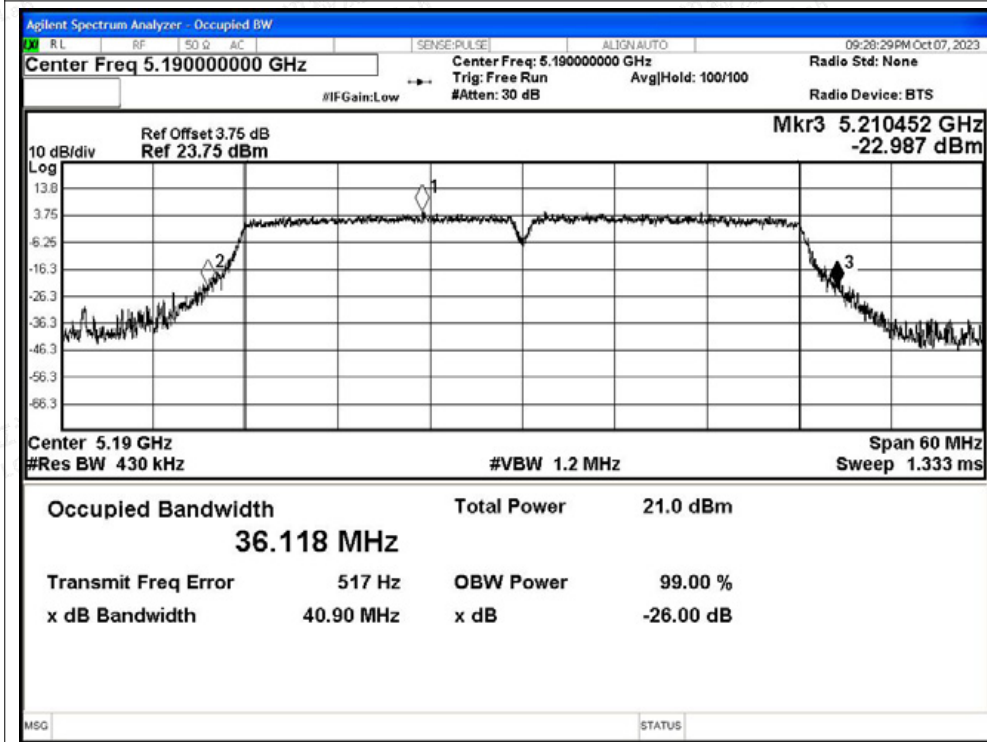
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

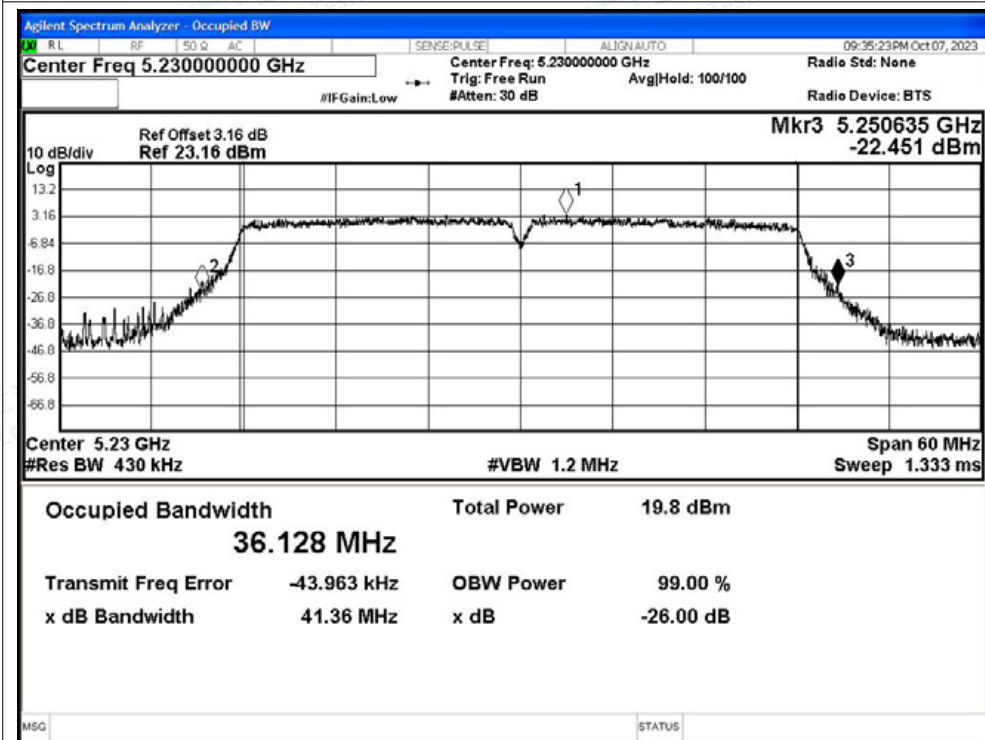
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

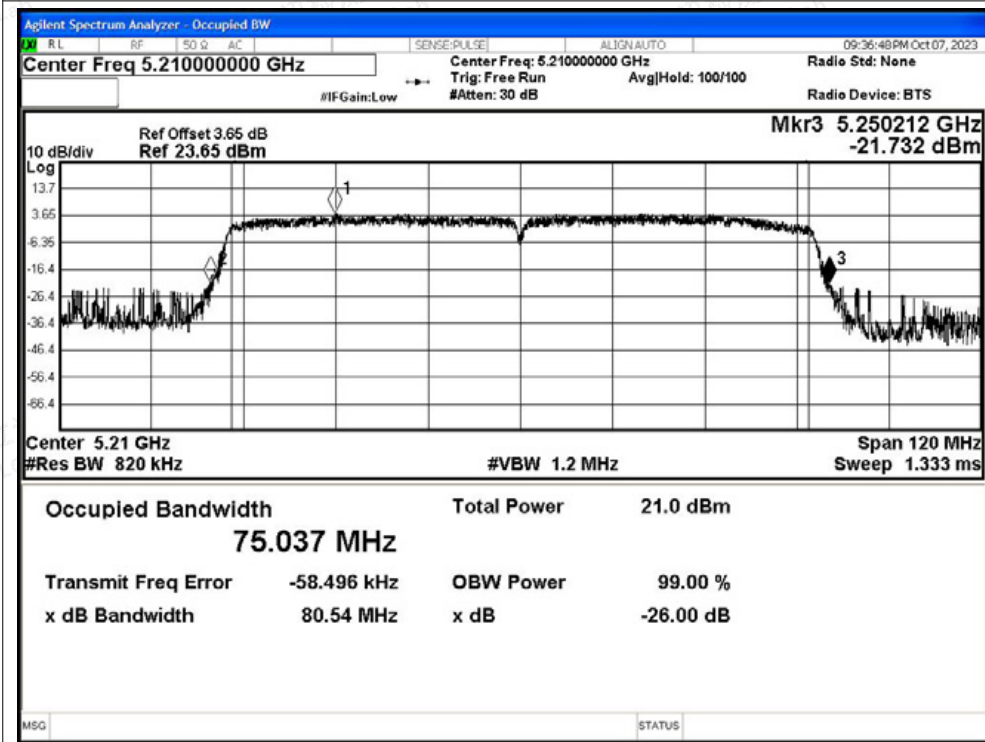
Scan code to check authenticity



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz 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



Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant2	18.3	---	Pass
NVNT	a	5200	Ant2	18.42	---	Pass
NVNT	a	5240	Ant2	18.312	---	Pass
NVNT	n20	5180	Ant2	19.194	---	Pass
NVNT	n20	5200	Ant2	19.214	---	Pass
NVNT	n20	5240	Ant2	19.271	---	Pass
NVNT	n40	5190	Ant2	40.853	---	Pass
NVNT	n40	5230	Ant2	40.7	---	Pass
NVNT	ac20	5180	Ant2	19.143	---	Pass
NVNT	ac20	5200	Ant2	19.338	---	Pass
NVNT	ac20	5240	Ant2	19.218	---	Pass
NVNT	ac40	5190	Ant2	40.705	---	Pass
NVNT	ac40	5230	Ant2	40.818	---	Pass
NVNT	ac80	5210	Ant2	81.328	---	Pass

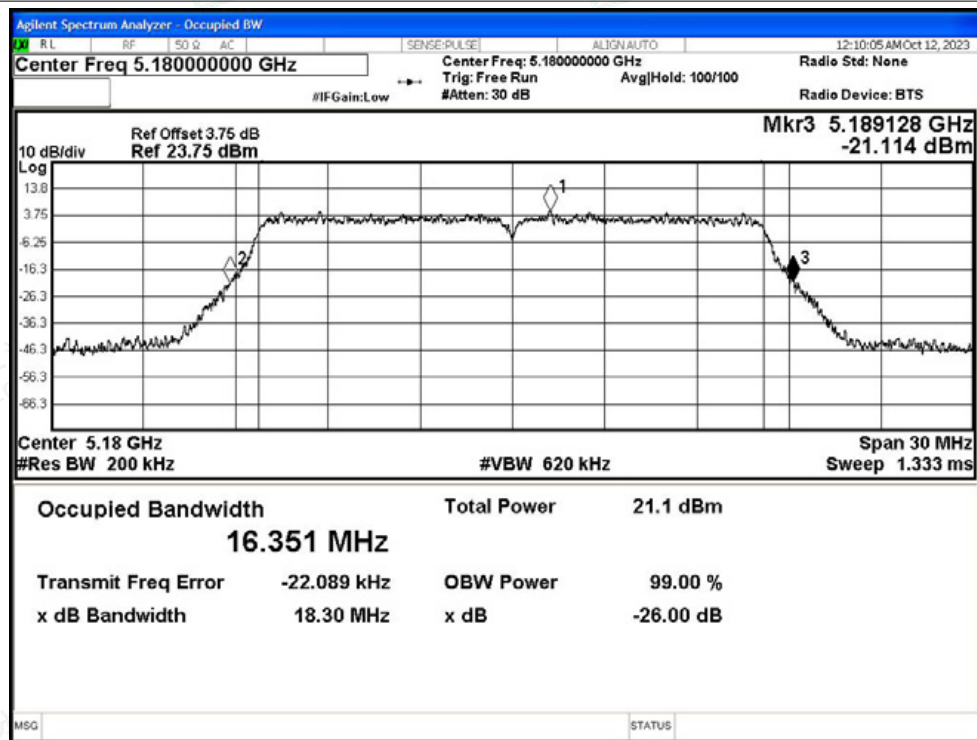


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

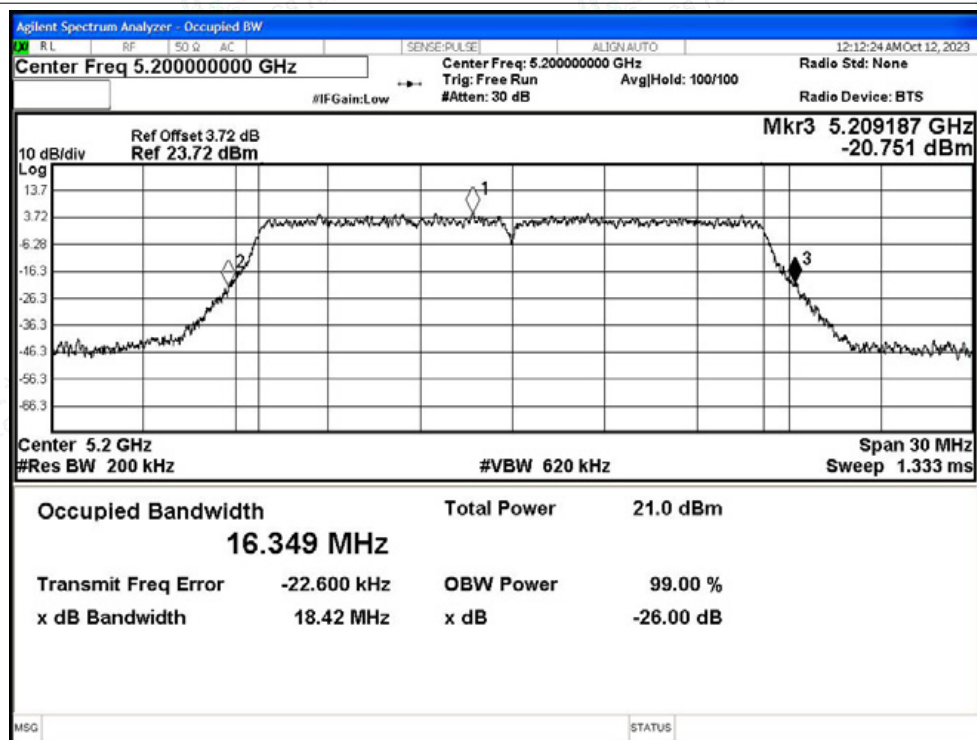


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant2

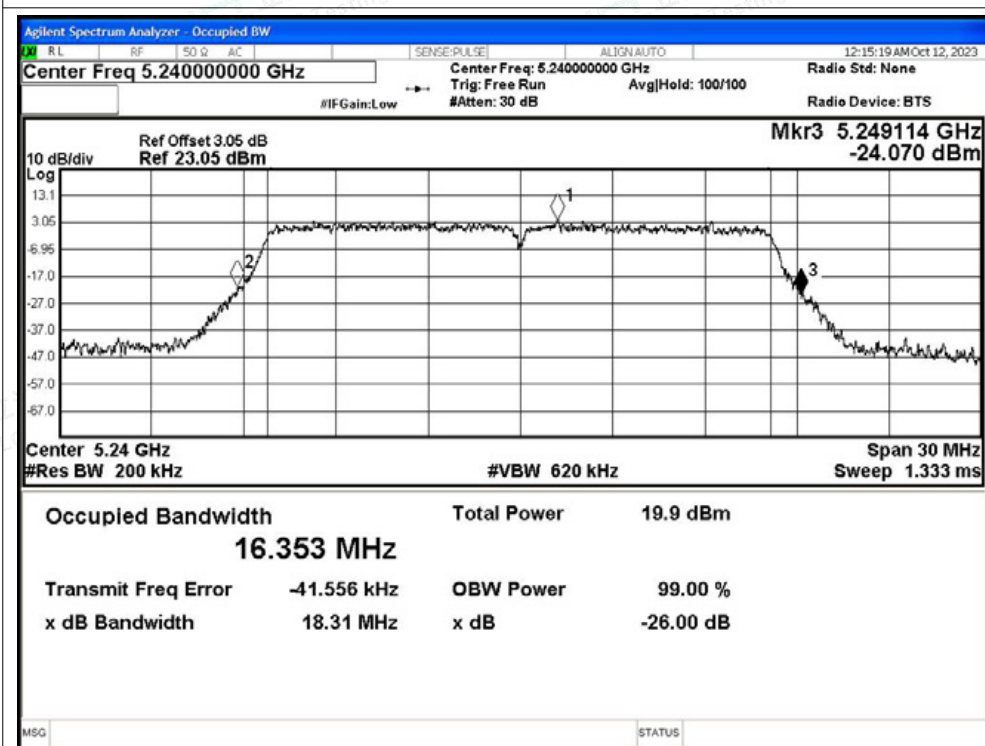


-26dB Bandwidth NVNT a 5200MHz Ant2

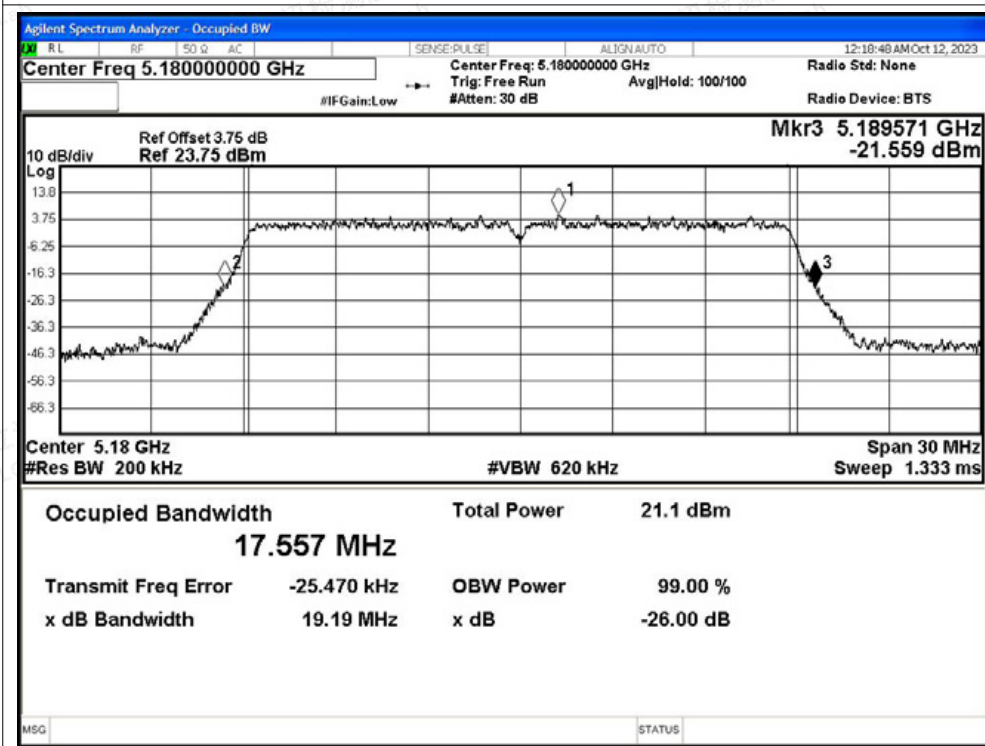




-26dB Bandwidth NVNT a 5240MHz Ant2

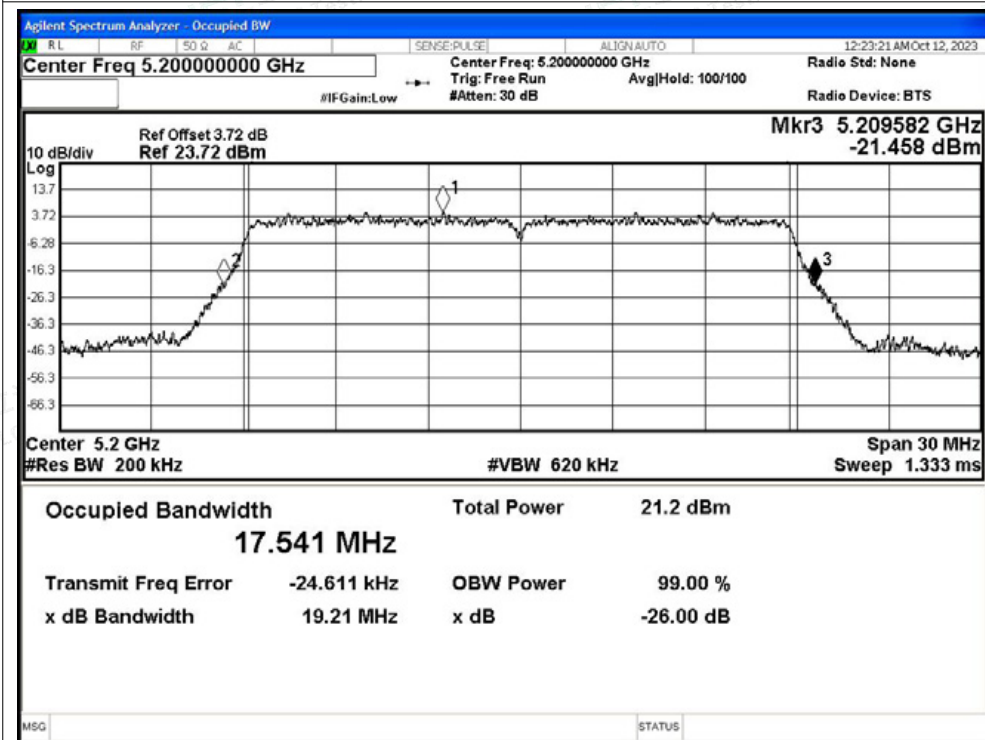


-26dB Bandwidth NVNT n20 5180MHz Ant2

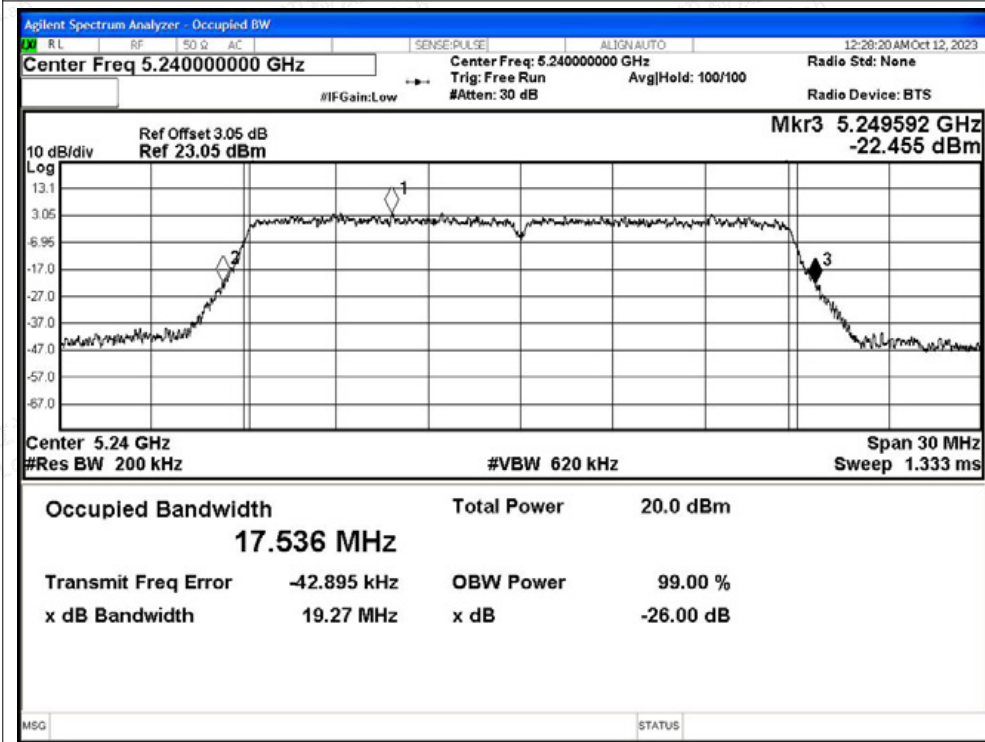




-26dB Bandwidth NVNT n20 5200MHz Ant2



-26dB Bandwidth NVNT n20 5240MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

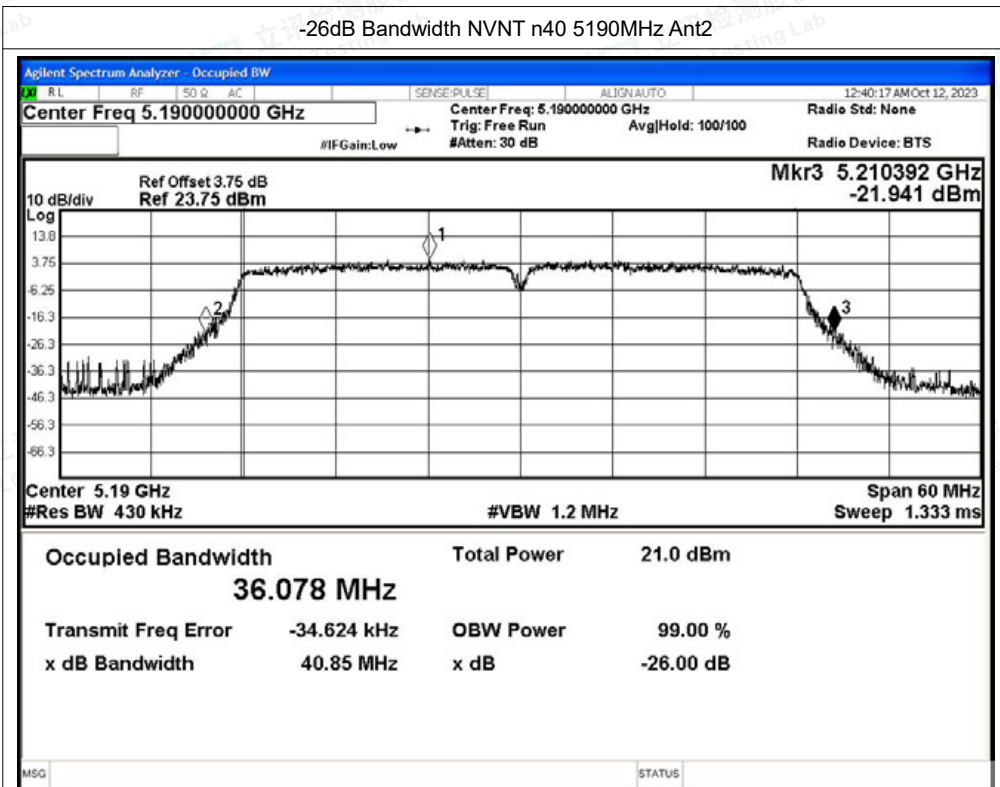
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

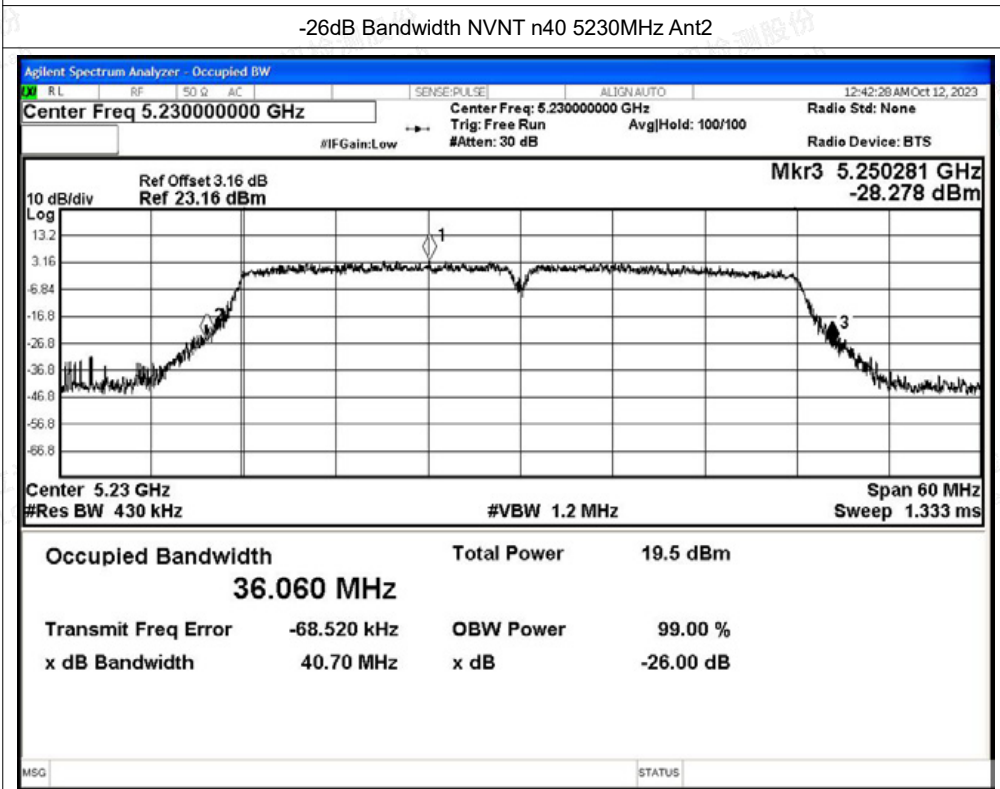
Scan code to check authenticity



-26dB Bandwidth NVNT n40 5190MHz Ant2

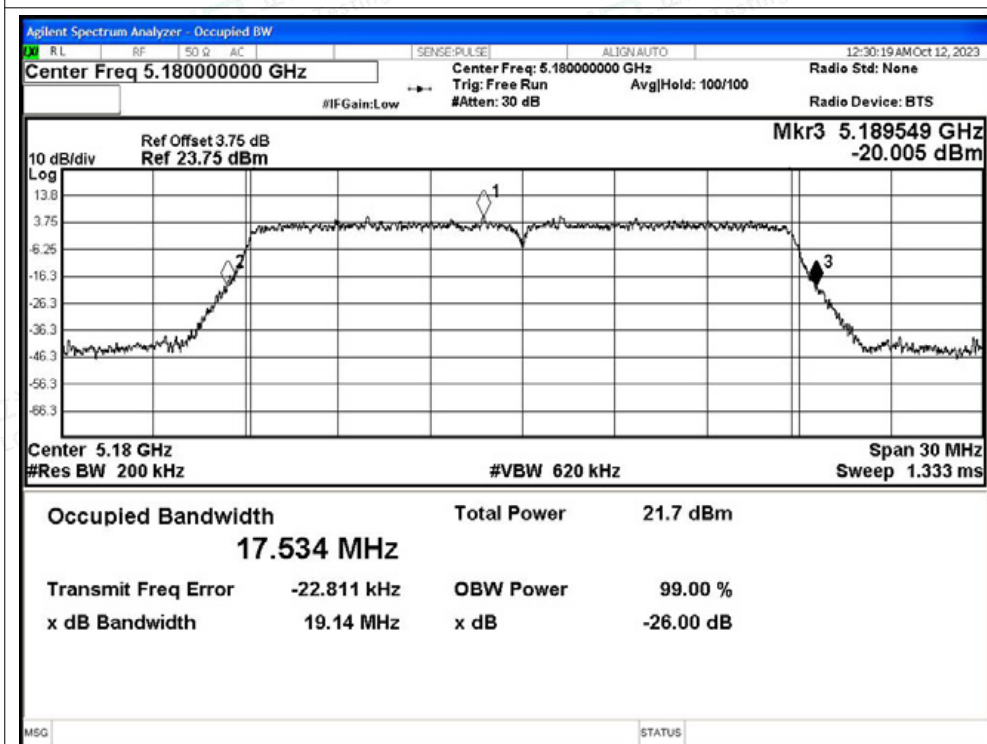


-26dB Bandwidth NVNT n40 5230MHz Ant2

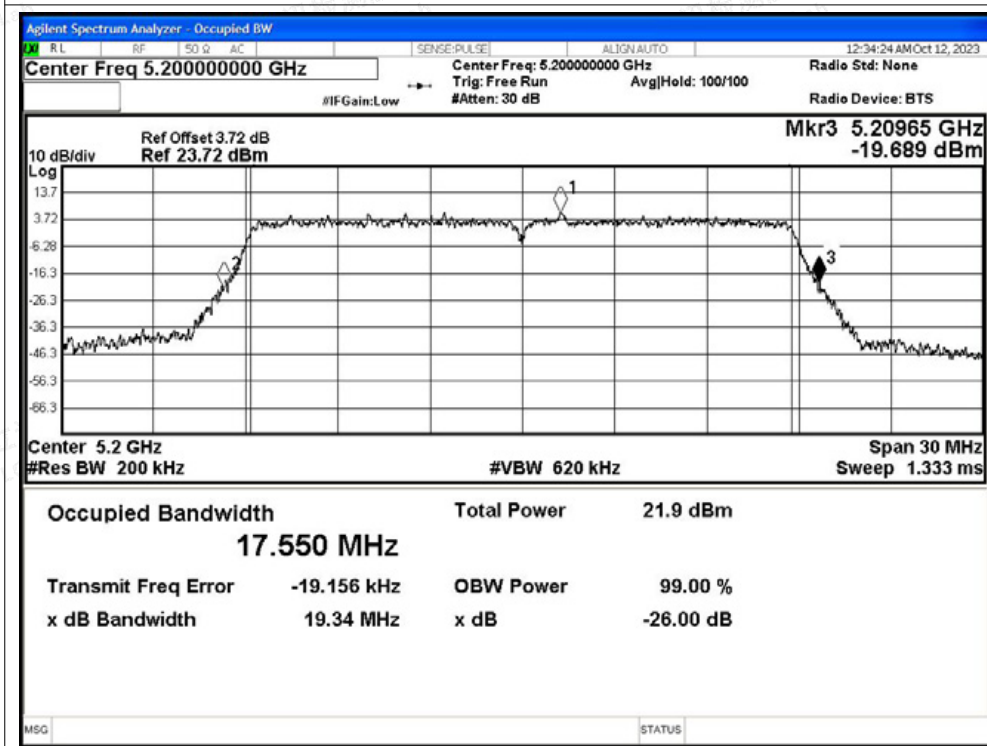




-26dB Bandwidth NVNT ac20 5180MHz Ant2



-26dB Bandwidth NVNT ac20 5200MHz Ant2



Shenzhen LCS Compliance Testing Laboratory Ltd.

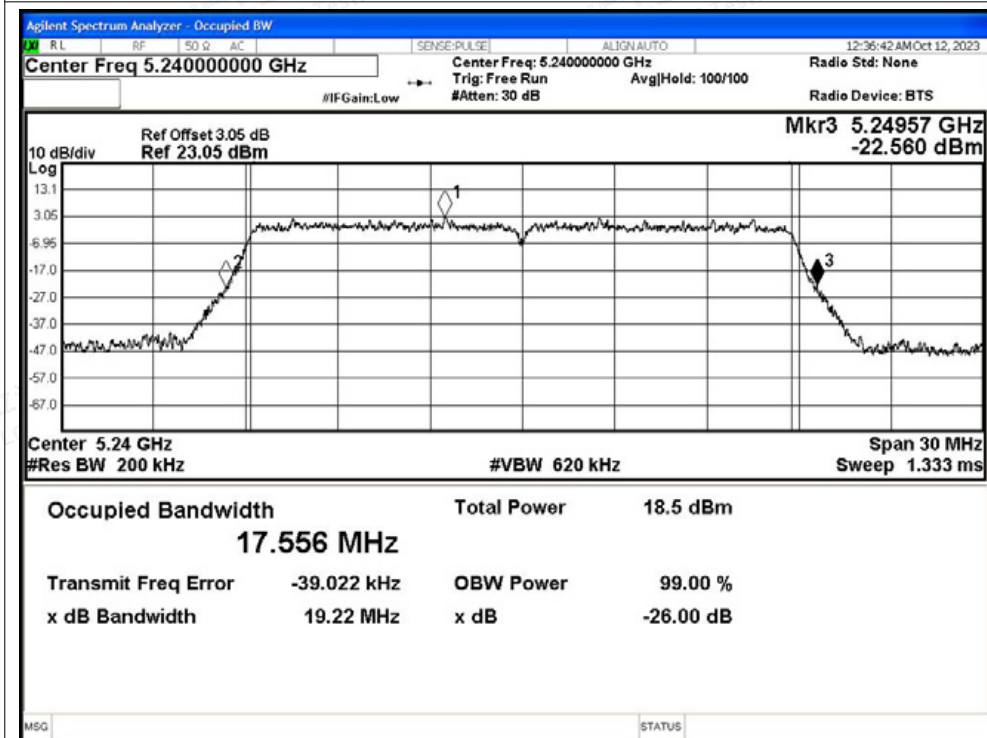
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

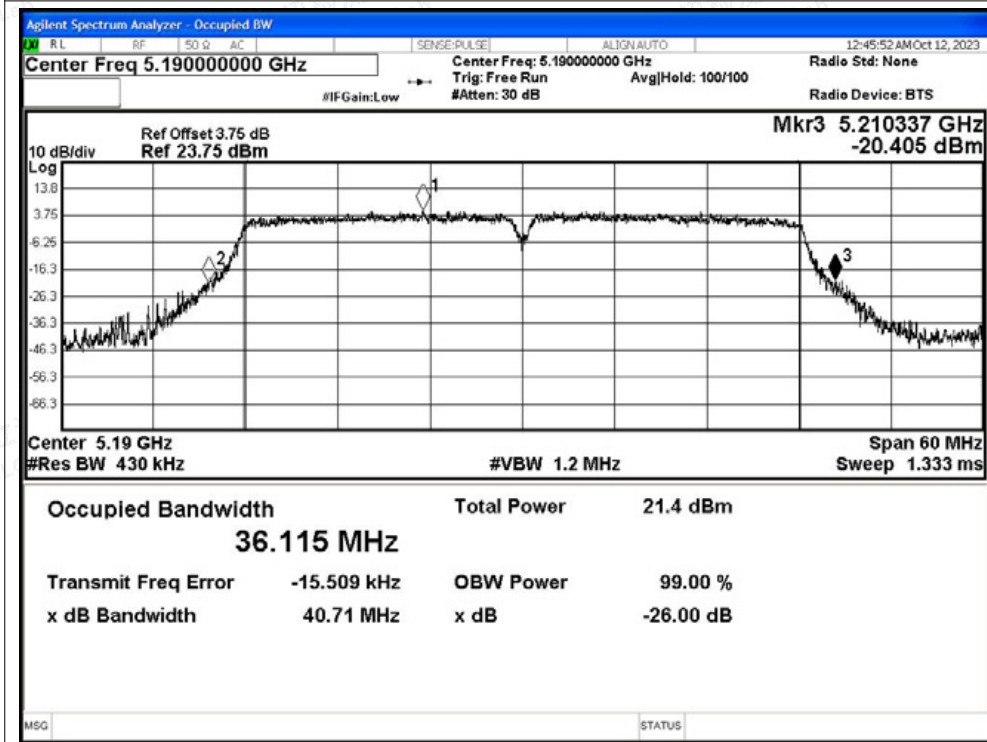
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5240MHz Ant2

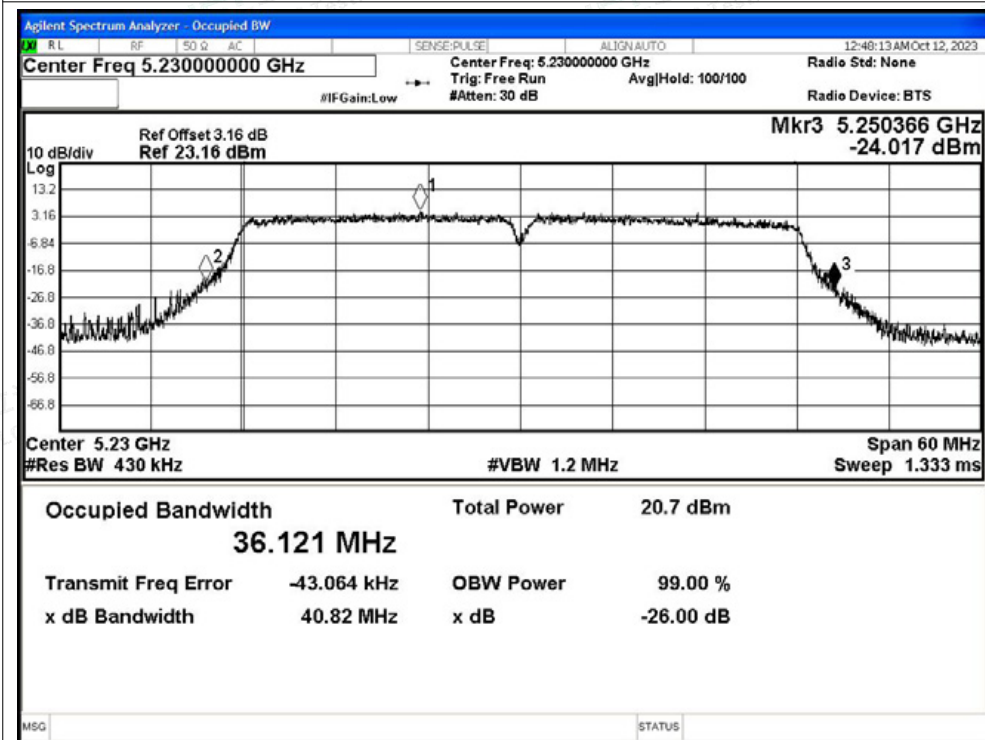


-26dB Bandwidth NVNT ac40 5190MHz Ant2

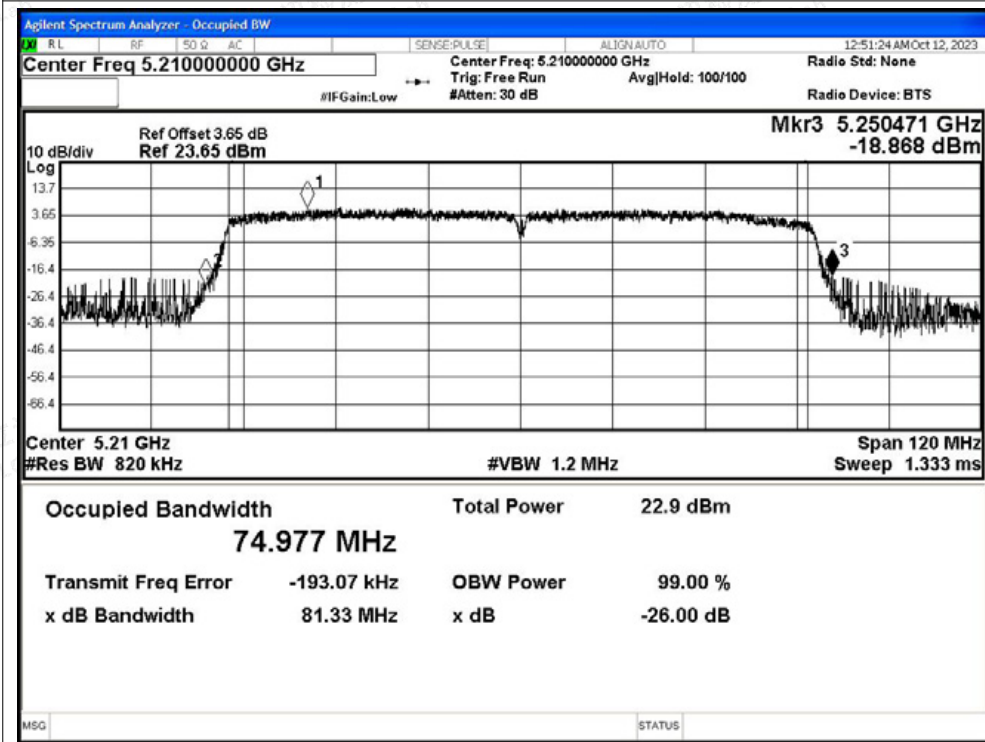




-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant2





D.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.09	1.36	14.45	24	Pass
NVNT	a	5200	Ant1	12.63	1.36	13.99	24	Pass
NVNT	a	5240	Ant1	12.34	1.36	13.7	24	Pass
NVNT	n20	5180	Ant1	13.79	1.44	15.23	24	Pass
NVNT	n20	5200	Ant1	12.78	1.44	14.22	24	Pass
NVNT	n20	5240	Ant1	11.86	1.44	13.3	24	Pass
NVNT	n40	5190	Ant1	12.56	2.54	15.1	24	Pass
NVNT	n40	5230	Ant1	11.94	2.54	14.48	24	Pass
NVNT	ac20	5180	Ant1	13.4	1.43	14.83	24	Pass
NVNT	ac20	5200	Ant1	12.7	1.44	14.14	24	Pass
NVNT	ac20	5240	Ant1	11.81	1.44	13.25	24	Pass
NVNT	ac40	5190	Ant1	13.71	2.52	16.23	24	Pass
NVNT	ac40	5230	Ant1	11.83	2.52	14.35	24	Pass
NVNT	ac80	5210	Ant1	11.61	4.12	15.73	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	14.19	1.36	15.55	24	Pass
NVNT	a	5200	Ant2	14.03	1.36	15.39	24	Pass
NVNT	a	5240	Ant2	13.52	1.36	14.88	24	Pass
NVNT	n20	5180	Ant2	14.53	1.44	15.97	24	Pass
NVNT	n20	5200	Ant2	14.51	1.44	15.95	24	Pass
NVNT	n20	5240	Ant2	13.53	1.44	14.97	24	Pass
NVNT	n40	5190	Ant2	13.51	2.53	16.04	24	Pass
NVNT	n40	5230	Ant2	12.13	2.53	14.66	24	Pass
NVNT	ac20	5180	Ant2	15	1.44	16.44	24	Pass
NVNT	ac20	5200	Ant2	15.54	1.44	16.98	24	Pass
NVNT	ac20	5240	Ant2	11.97	1.44	13.41	24	Pass
NVNT	ac40	5190	Ant2	13.42	2.52	15.94	24	Pass
NVNT	ac40	5230	Ant2	12.65	2.52	15.17	24	Pass
NVNT	ac80	5210	Ant2	13.22	4.11	17.33	24	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	15.23	15.97	18.63	24	Pass
NVNT	n20	5200	14.22	15.95	18.18	24	Pass
NVNT	n20	5240	13.3	14.97	17.23	24	Pass
NVNT	n40	5190	15.1	16.04	18.61	24	Pass
NVNT	n40	5230	14.48	14.66	17.58	24	Pass
NVNT	ac20	5180	14.83	16.44	18.72	24	Pass
NVNT	ac20	5200	14.14	16.98	18.80	24	Pass
NVNT	ac20	5240	13.25	13.41	16.34	24	Pass
NVNT	ac40	5190	16.23	15.94	19.10	24	Pass
NVNT	ac40	5230	14.35	15.17	17.79	24	Pass
NVNT	ac80	5210	15.73	17.33	19.61	24	Pass





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	2.86	1.36	4.22	11	Pass
NVNT	a	5200	Ant1	1.98	1.36	3.34	11	Pass
NVNT	a	5240	Ant1	1.96	1.36	3.32	11	Pass
NVNT	n20	5180	Ant1	2.44	1.44	3.88	11	Pass
NVNT	n20	5200	Ant1	2.36	1.44	3.8	11	Pass
NVNT	n20	5240	Ant1	1.41	1.44	2.85	11	Pass
NVNT	n40	5190	Ant1	-0.23	2.54	2.31	11	Pass
NVNT	n40	5230	Ant1	-1.43	2.54	1.11	11	Pass
NVNT	ac20	5180	Ant1	2.8	1.43	4.23	11	Pass
NVNT	ac20	5200	Ant1	2.24	1.44	3.68	11	Pass
NVNT	ac20	5240	Ant1	1.13	1.44	2.57	11	Pass
NVNT	ac40	5190	Ant1	0.17	2.52	2.69	11	Pass
NVNT	ac40	5230	Ant1	-0.92	2.52	1.6	11	Pass
NVNT	ac80	5210	Ant1	-4.22	4.12	0.1	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant2	3.76	1.36	5.12	11	Pass
NVNT	a	5200	Ant2	3.72	1.36	5.08	11	Pass
NVNT	a	5240	Ant2	3.21	1.36	4.57	11	Pass
NVNT	n20	5180	Ant2	3.87	1.44	5.31	11	Pass
NVNT	n20	5200	Ant2	3.47	1.44	4.91	11	Pass
NVNT	n20	5240	Ant2	2.61	1.44	4.05	11	Pass
NVNT	n40	5190	Ant2	0.54	2.53	3.07	11	Pass
NVNT	n40	5230	Ant2	-1.54	2.53	0.99	11	Pass
NVNT	ac20	5180	Ant2	4.37	1.44	5.81	11	Pass
NVNT	ac20	5200	Ant2	4.43	1.44	5.87	11	Pass
NVNT	ac20	5240	Ant2	1.35	1.44	2.79	11	Pass
NVNT	ac40	5190	Ant2	0.29	2.52	2.81	11	Pass
NVNT	ac40	5230	Ant2	0.64	2.52	3.16	11	Pass
NVNT	ac80	5210	Ant2	-2.65	4.11	1.46	11	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	3.88	5.31	7.66	11	Pass
NVNT	n20	5200	3.8	4.91	7.40	11	Pass
NVNT	n20	5240	2.85	4.05	6.50	11	Pass
NVNT	n40	5190	2.31	3.07	5.72	11	Pass
NVNT	n40	5230	1.11	0.99	4.06	11	Pass
NVNT	ac20	5180	4.23	5.81	8.10	11	Pass
NVNT	ac20	5200	3.68	5.87	7.92	11	Pass
NVNT	ac20	5240	2.57	2.79	5.69	11	Pass
NVNT	ac40	5190	2.69	2.81	5.76	11	Pass
NVNT	ac40	5230	1.6	3.16	5.46	11	Pass
NVNT	ac80	5210	0.1	1.46	3.84	11	Pass

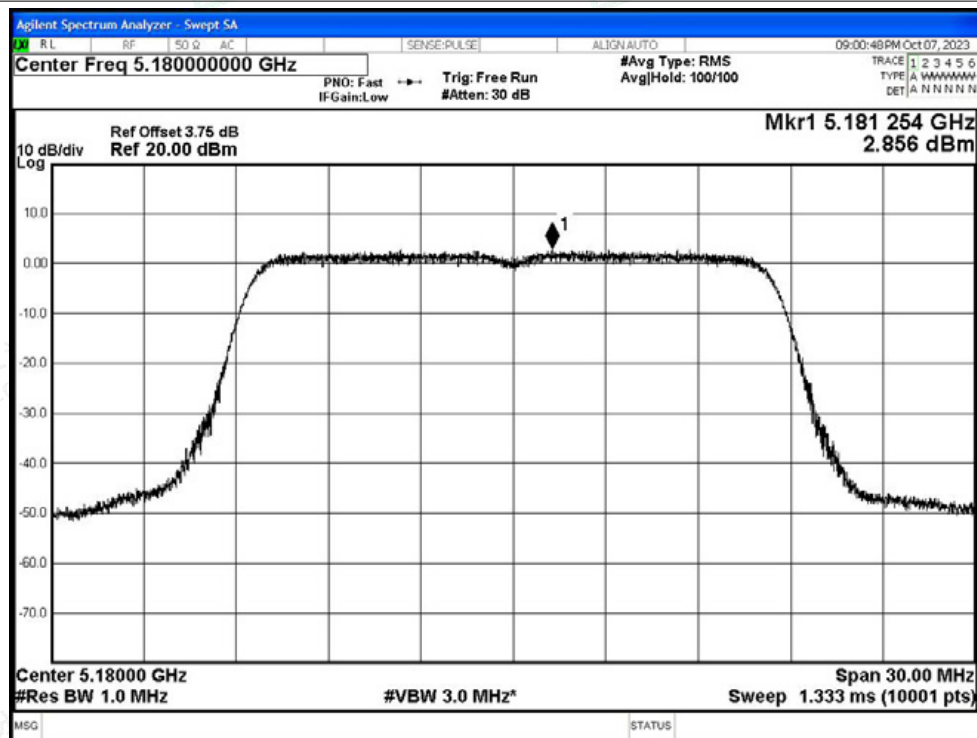


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

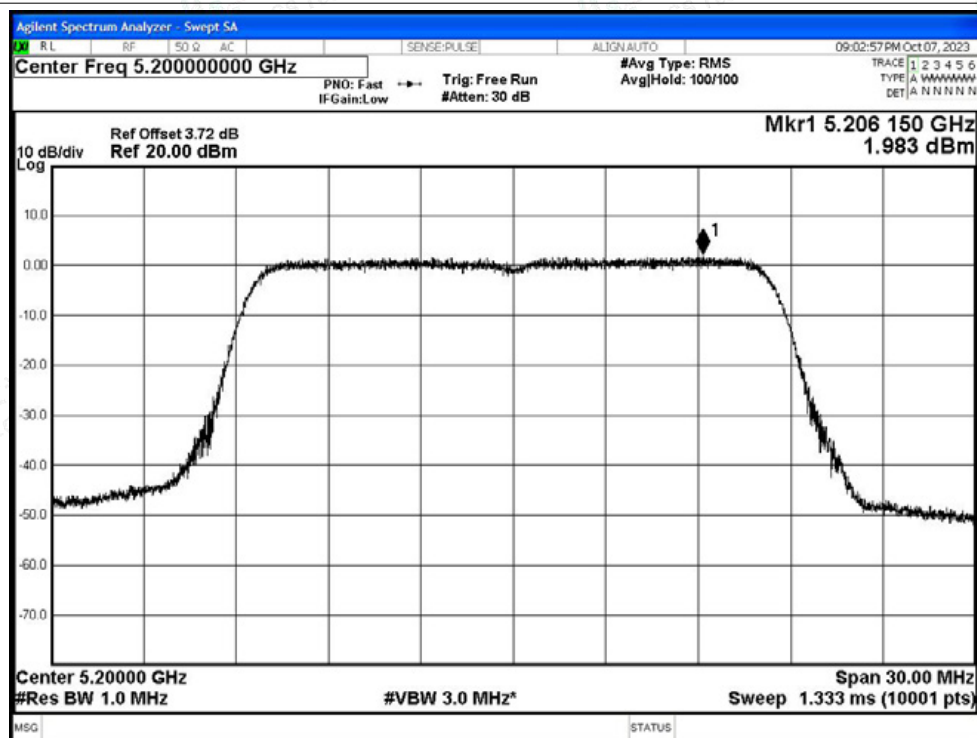


Test Graphs

PSD NVNT a 5180MHz Ant1

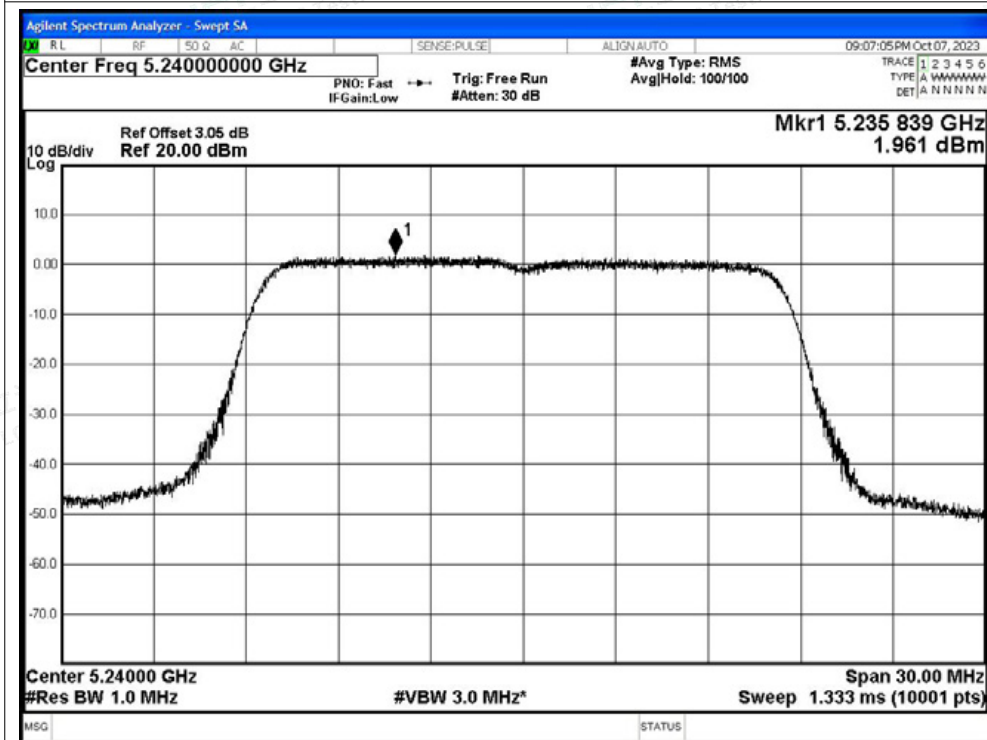


PSD NVNT a 5200MHz Ant1

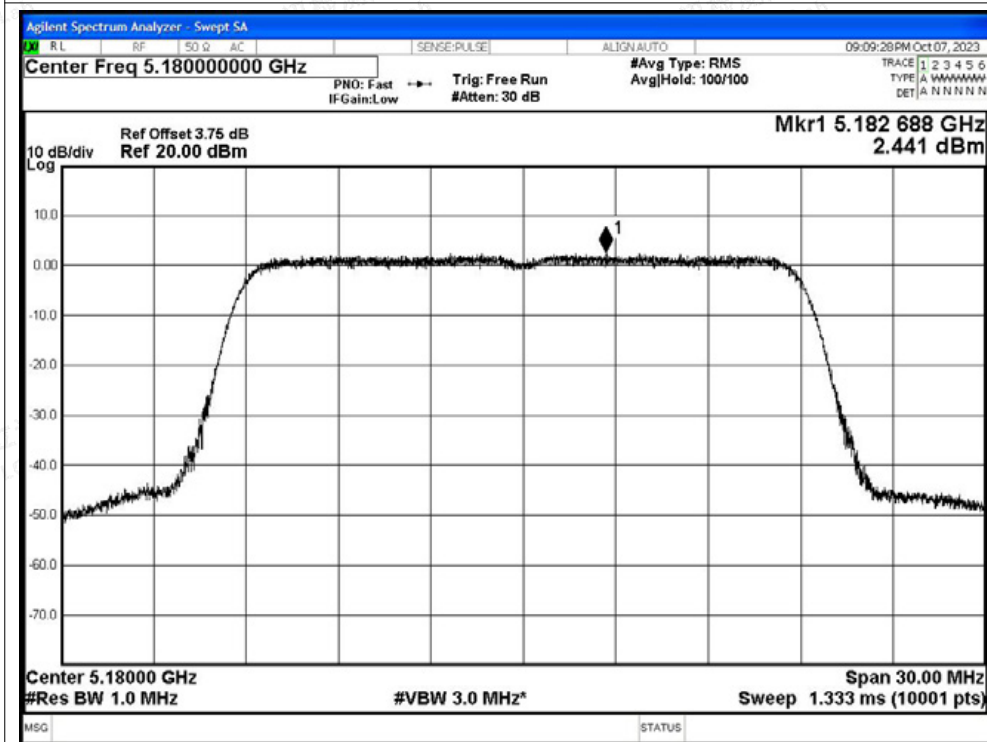




PSD NVNT a 5240MHz Ant1

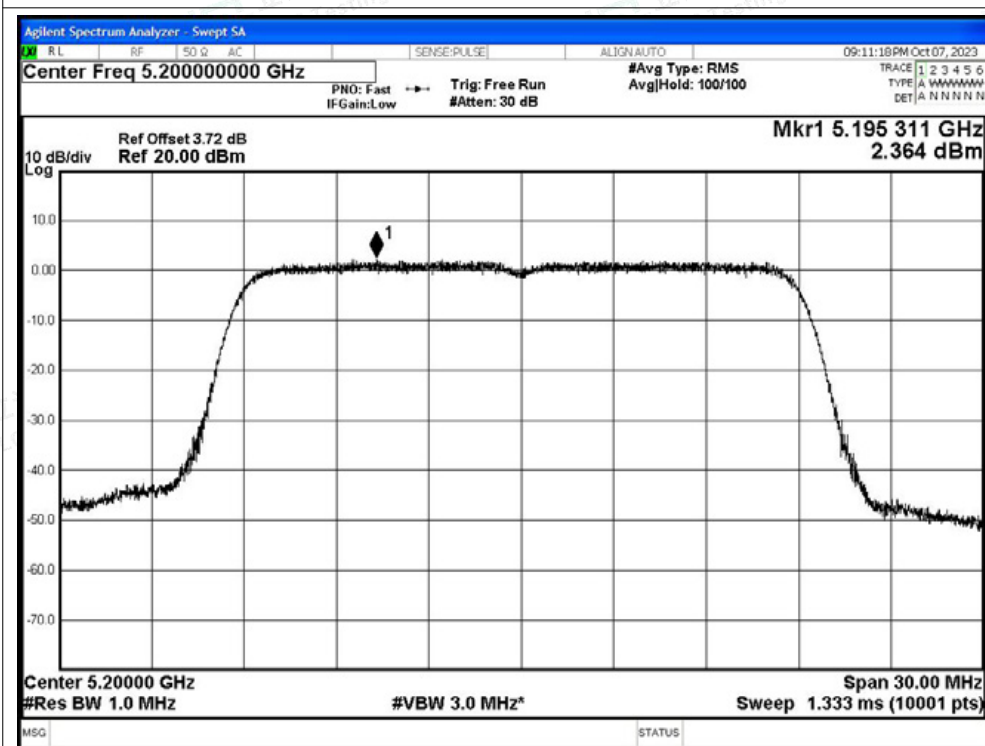


PSD NVNT n20 5180MHz Ant1

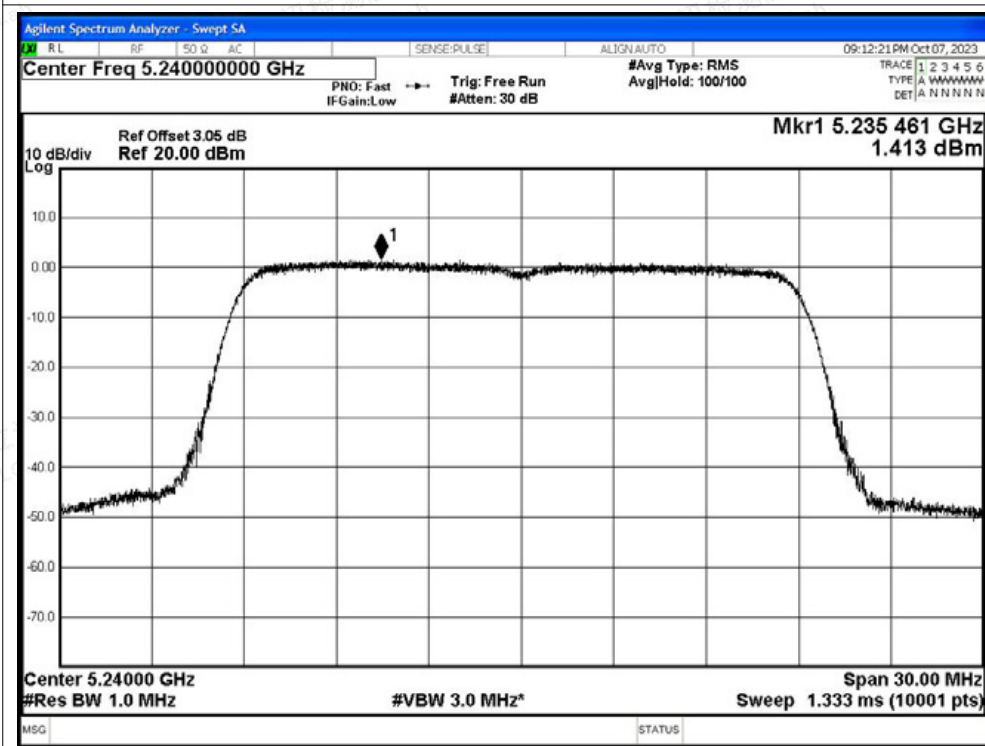




PSD NVNT n20 5200MHz Ant1

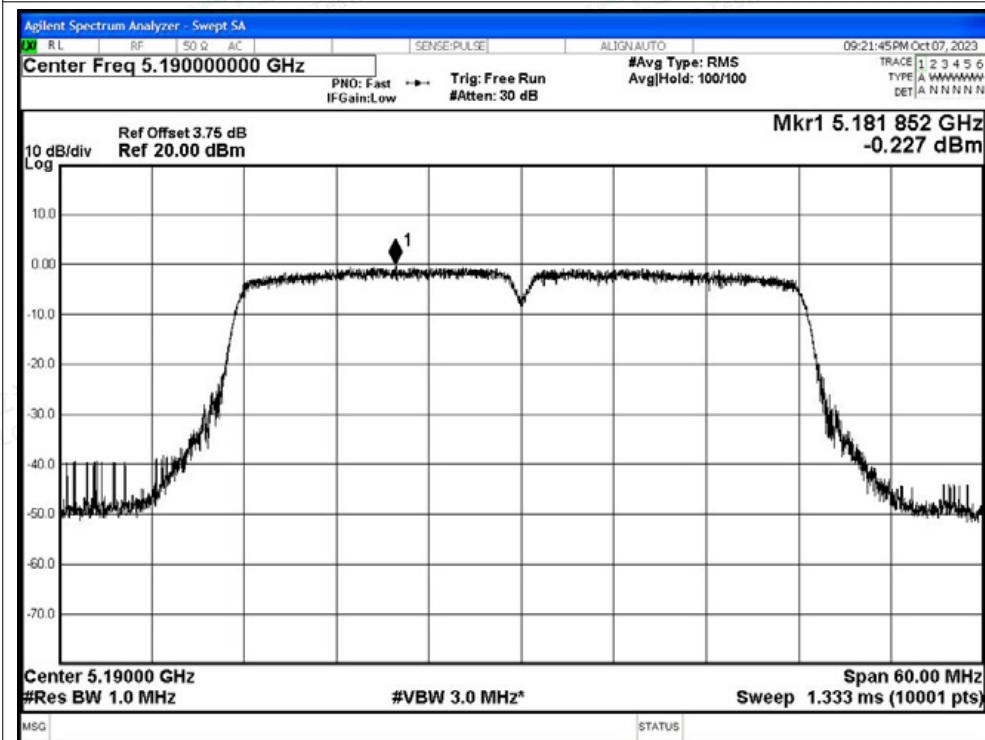


PSD NVNT n20 5240MHz Ant1

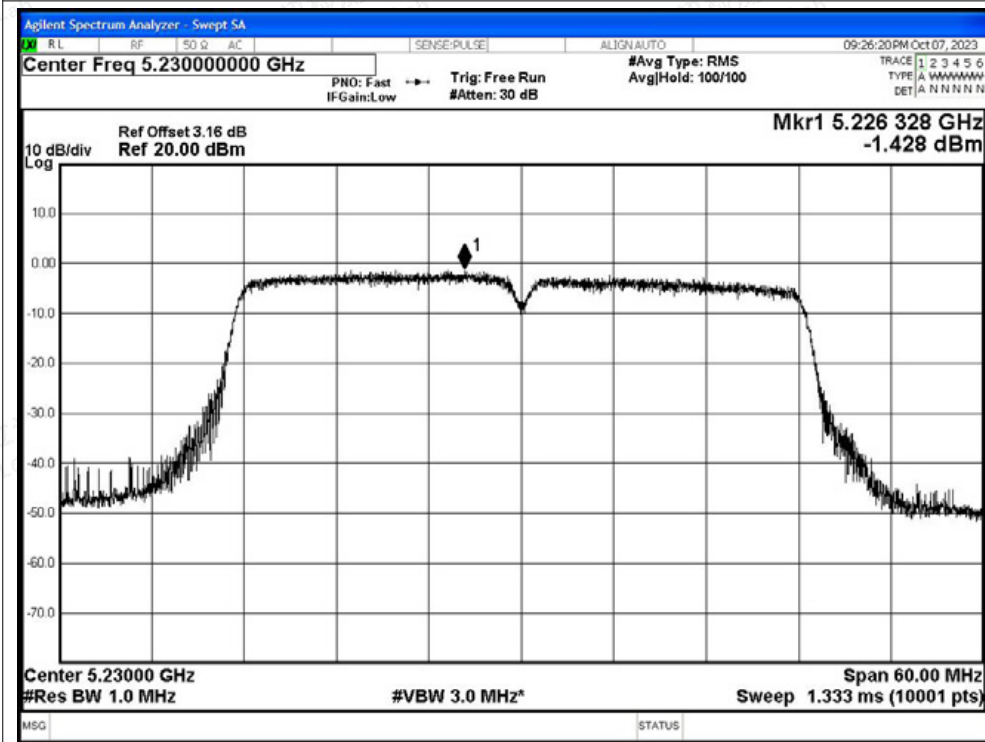




PSD NVNT n40 5190MHz Ant1

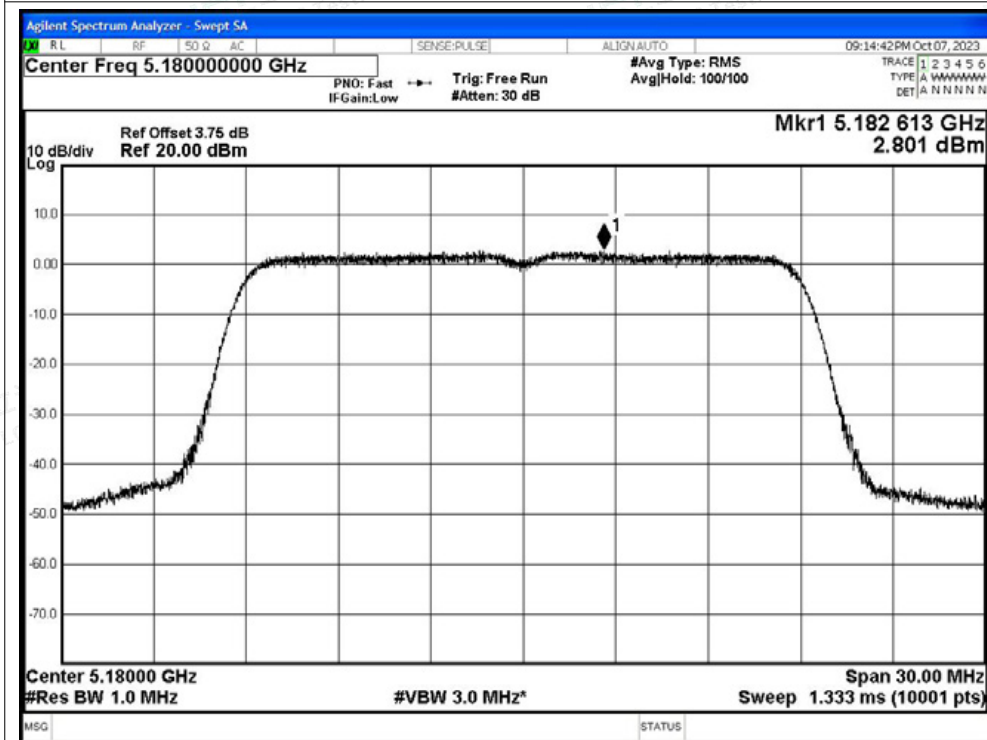


PSD NVNT n40 5230MHz Ant1

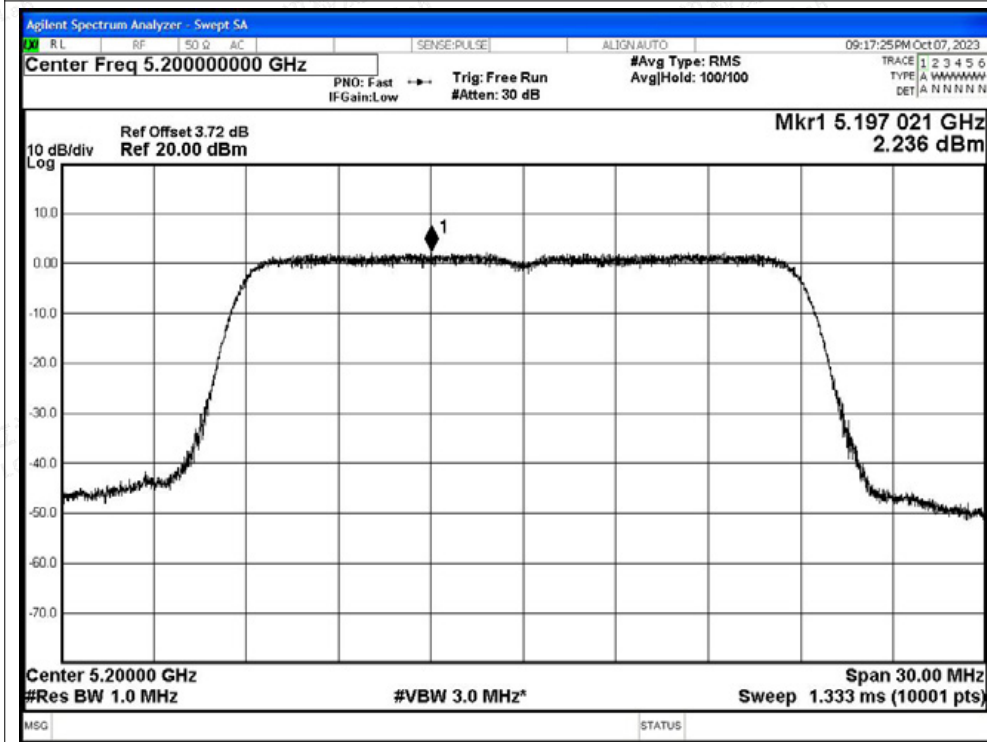




PSD NVNT ac20 5180MHz Ant1

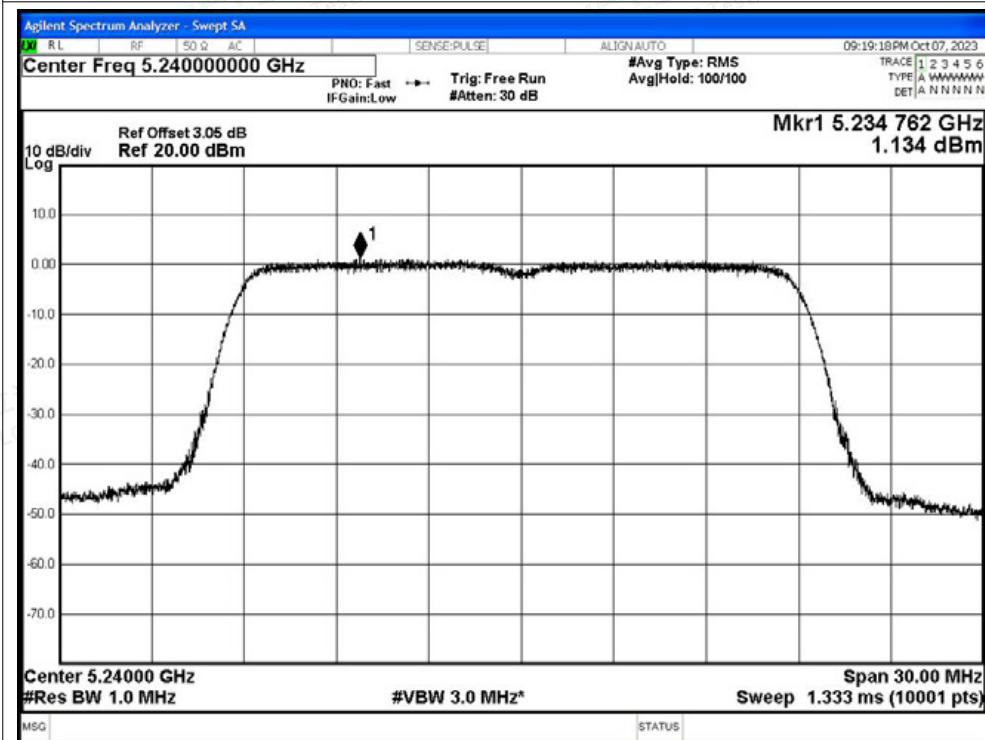


PSD NVNT ac20 5200MHz Ant1

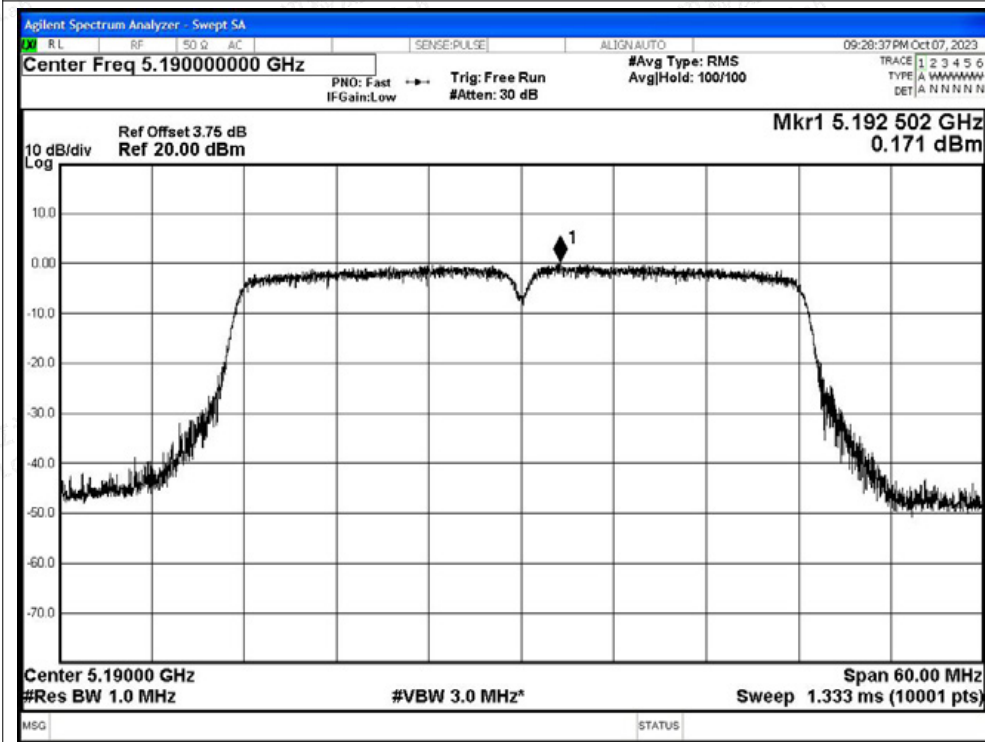




PSD NVNT ac20 5240MHz Ant1

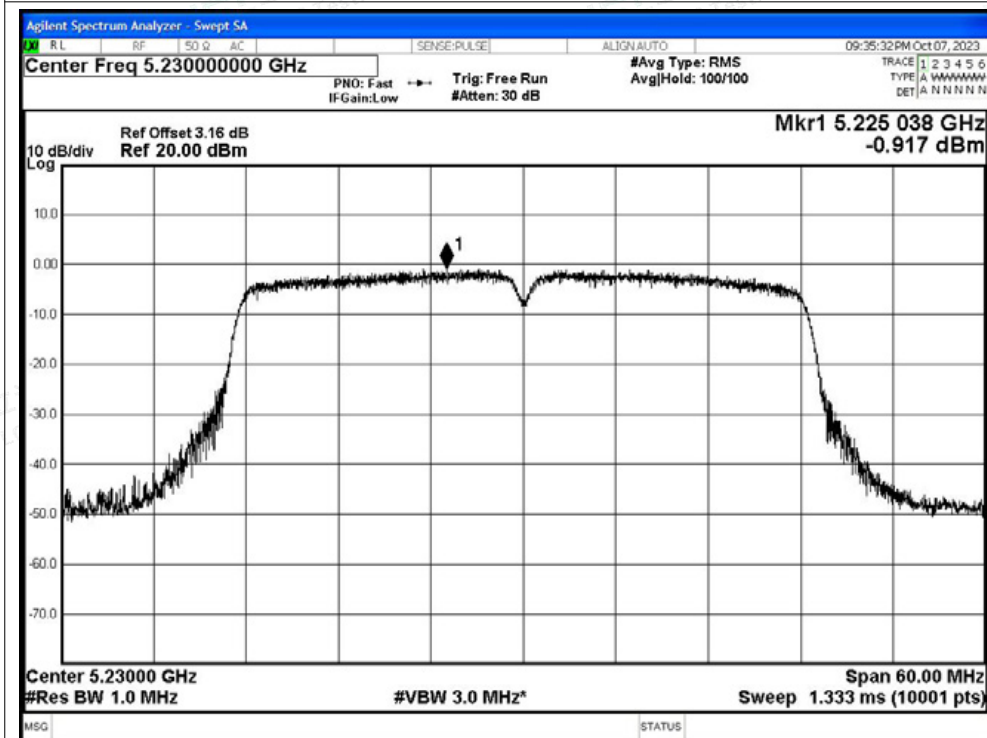


PSD NVNT ac40 5190MHz Ant1

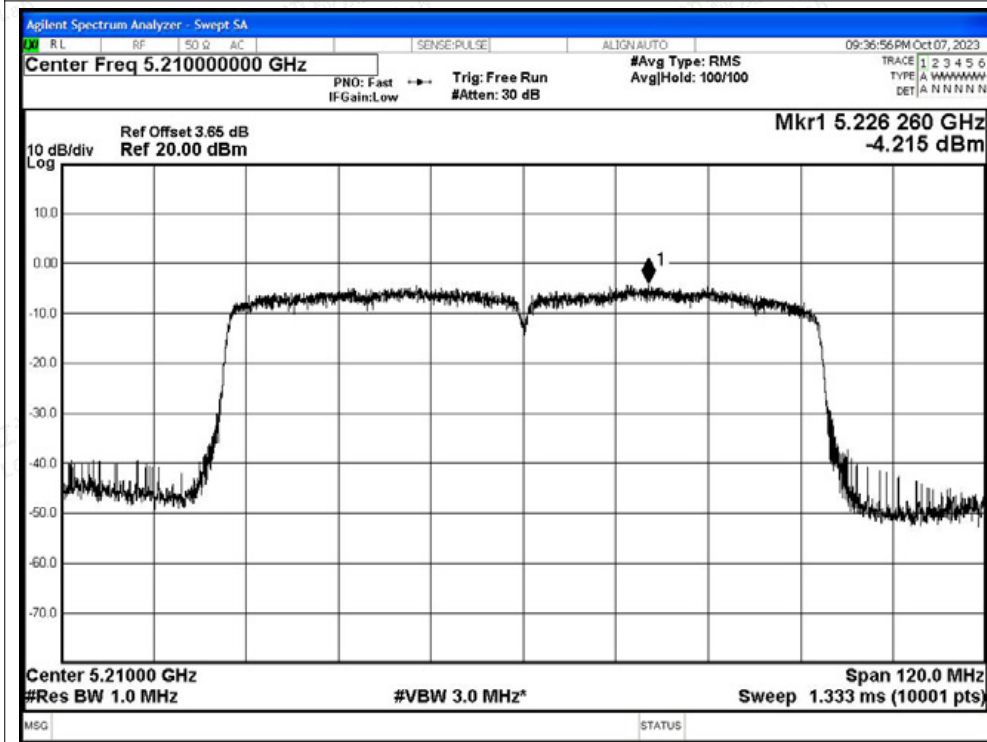




PSD NVNT ac40 5230MHz Ant1



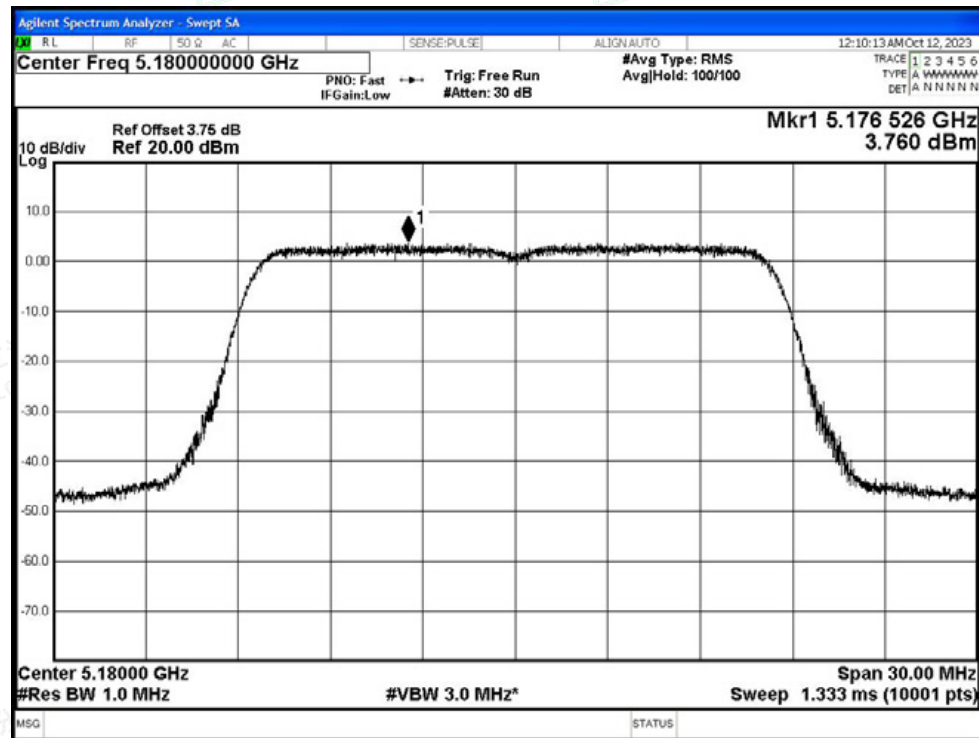
PSD NVNT ac80 5210MHz Ant1



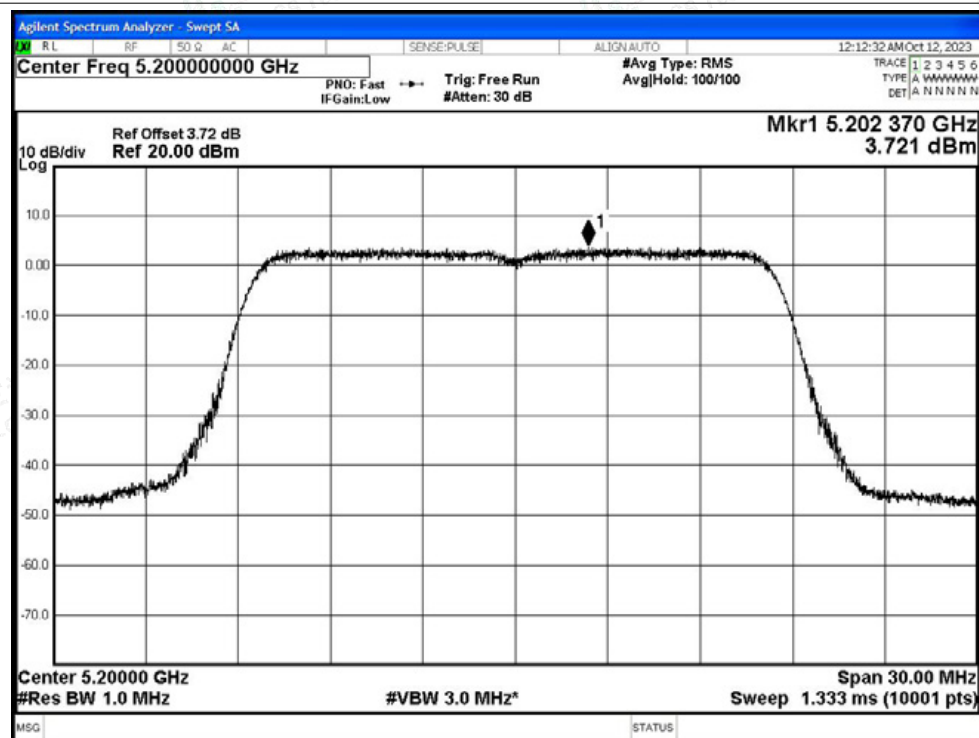


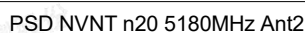
Test Graphs

PSD NVNT a 5180MHz Ant2



PSD NVNT a 5200MHz Ant2

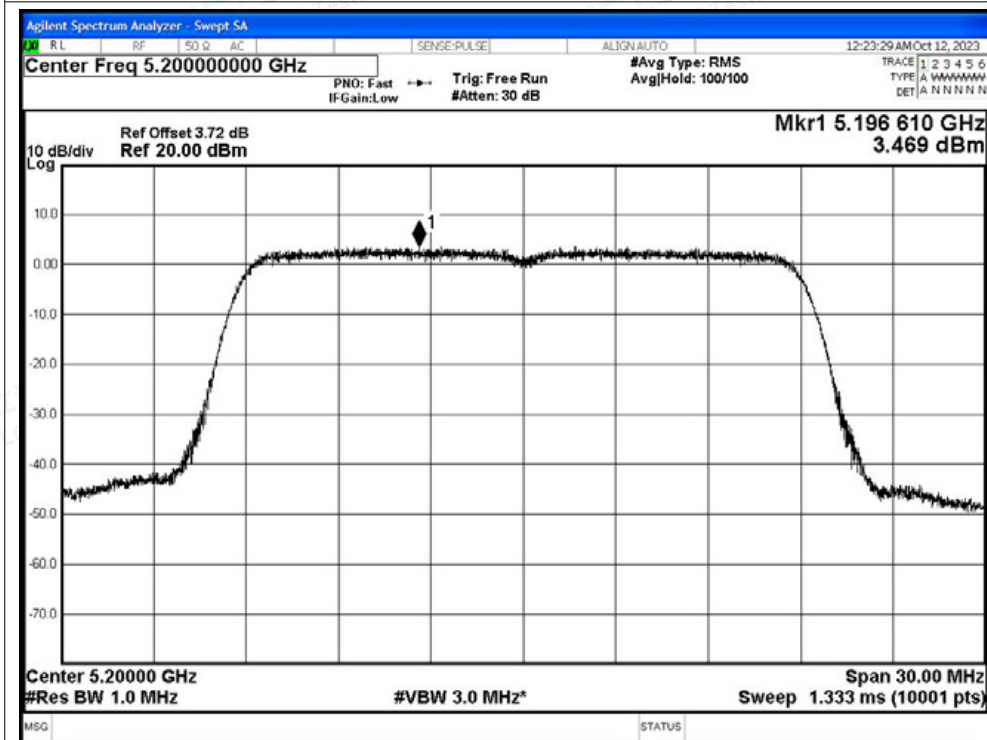




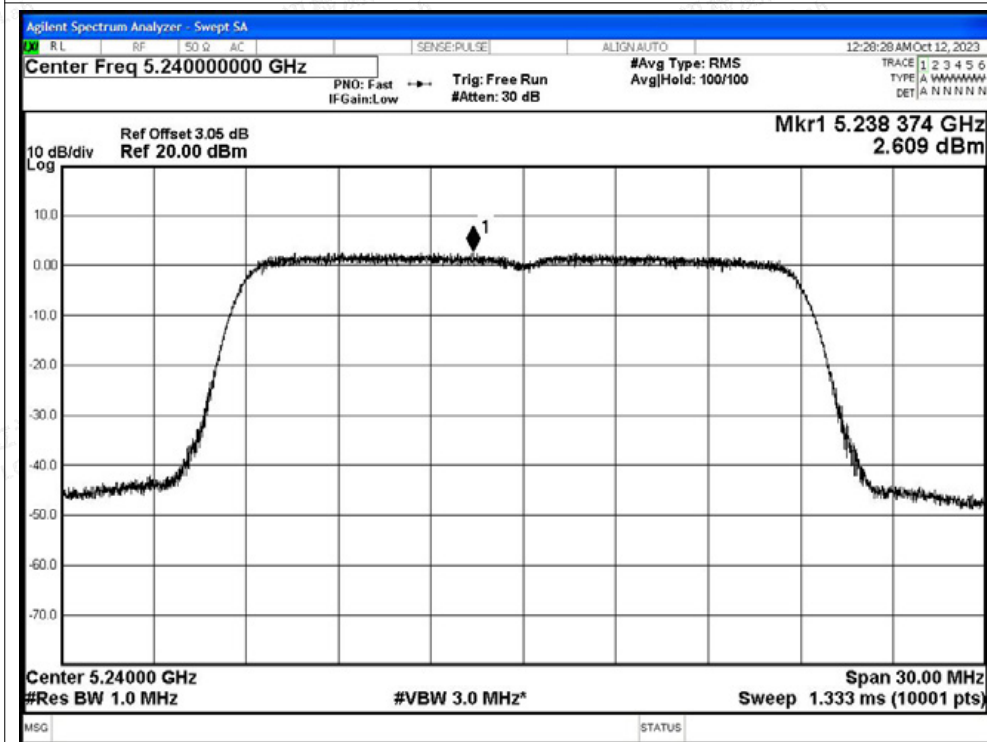
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



PSD NVNT n20 5200MHz Ant2

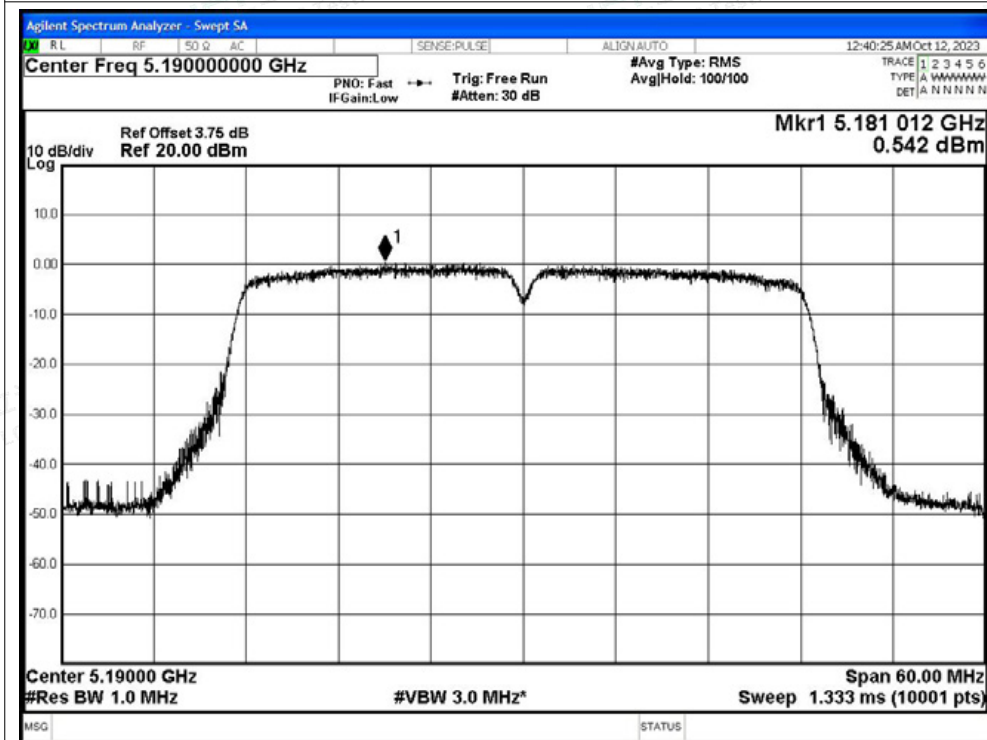


PSD NVNT n20 5240MHz Ant2

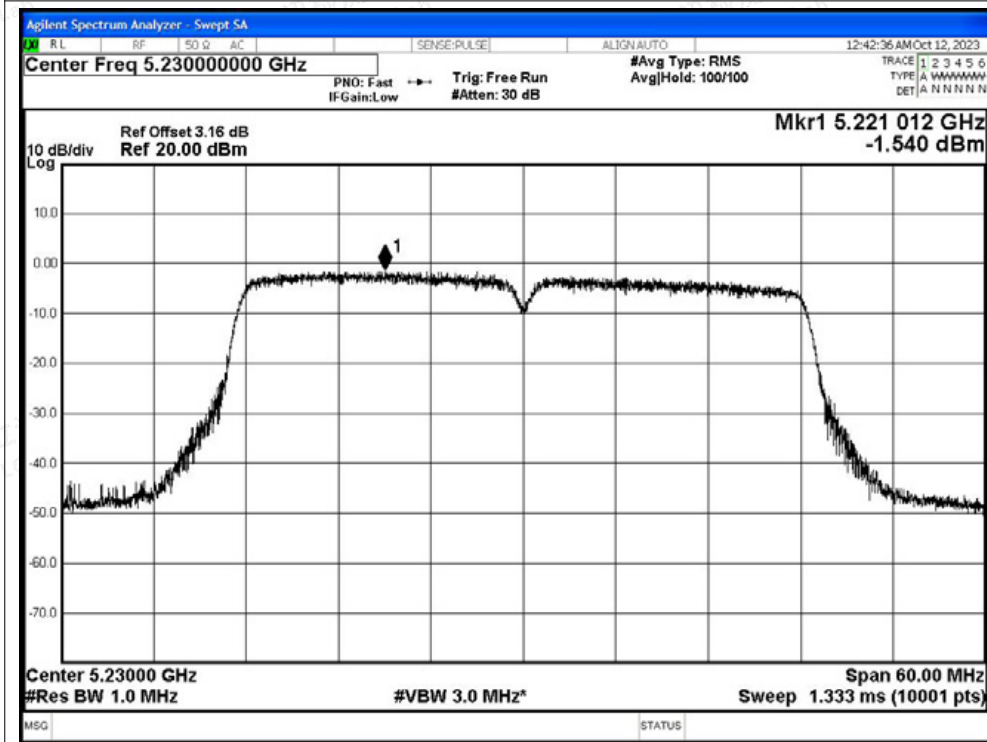




PSD NVNT n40 5190MHz Ant2

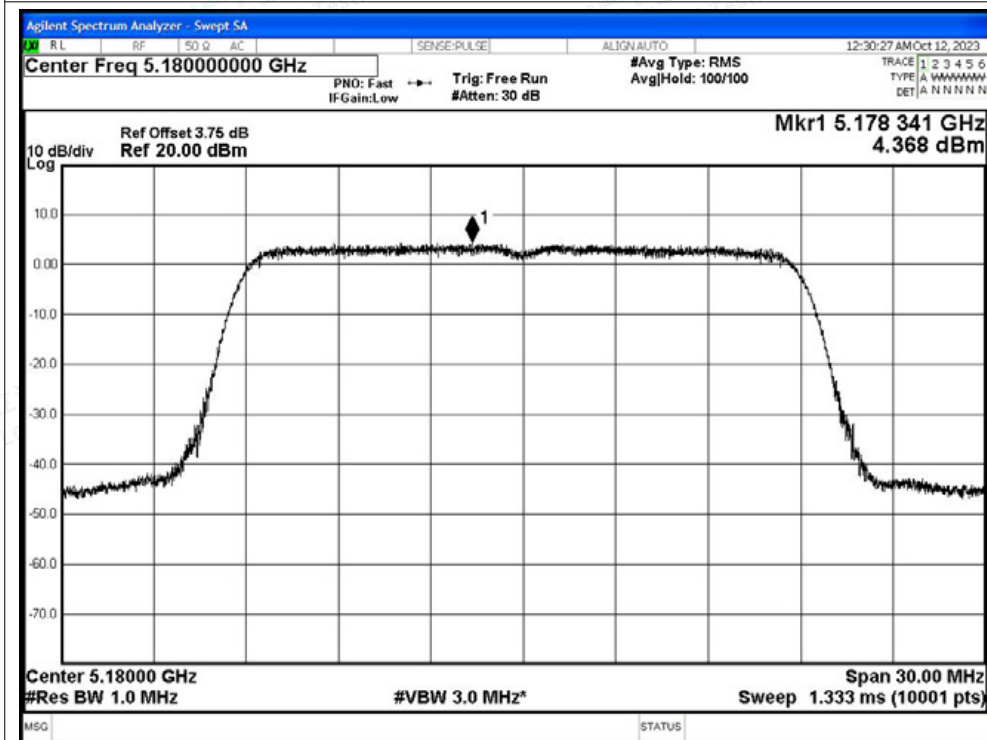


PSD NVNT n40 5230MHz Ant2

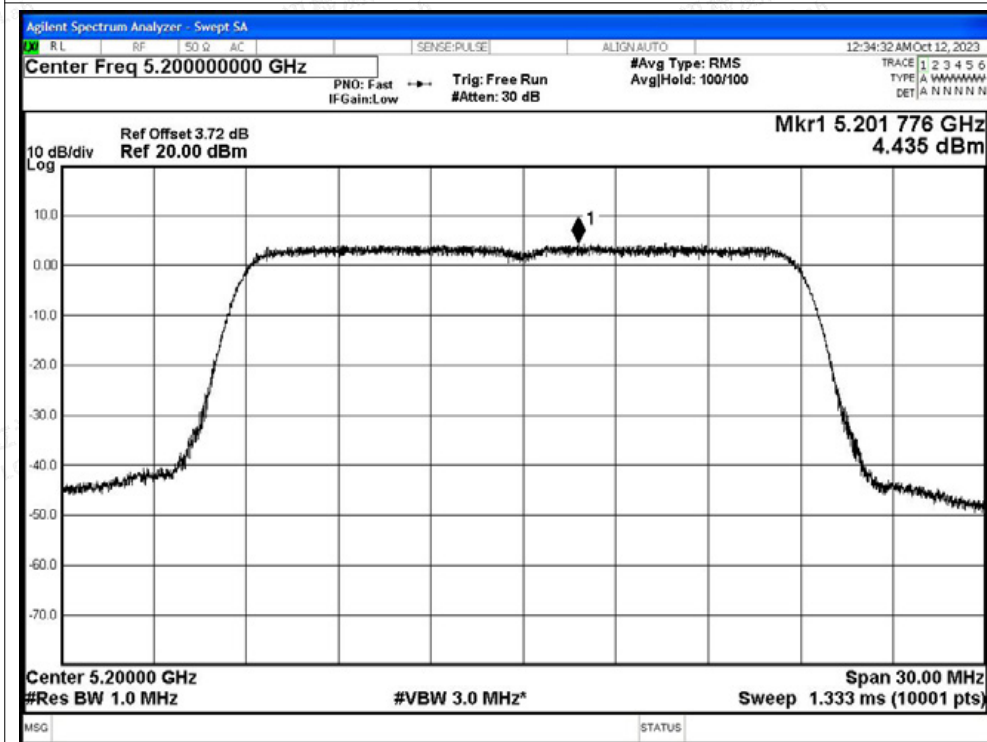




PSD NVNT ac20 5180MHz Ant2

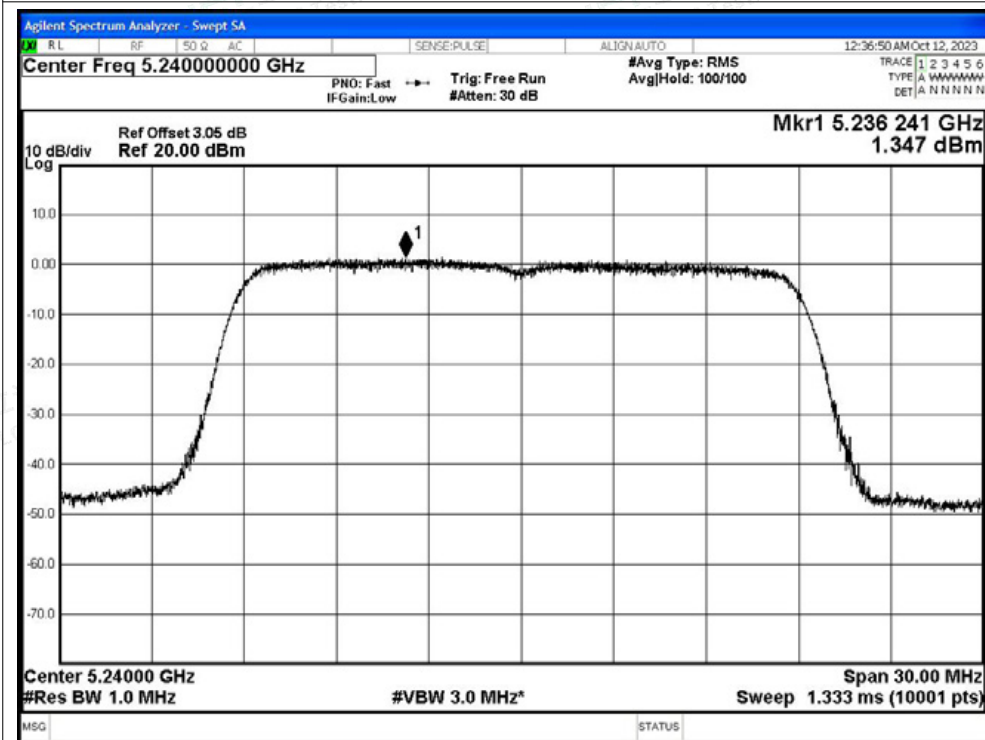


PSD NVNT ac20 5200MHz Ant2





PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant2

