



# Appendix B

## RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: GPON Wi-Fi AC1200

Test Model: PBT-H510

### Environmental Conditions

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



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



### B.1 -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant0	18.252	>=0.5	Pass
NVNT	a	5200	Ant0	18.446	>=0.5	Pass
NVNT	a	5240	Ant0	18.46	>=0.5	Pass
NVNT	n20	5180	Ant0	19.212	>=0.5	Pass
NVNT	n20	5200	Ant0	19.18	>=0.5	Pass
NVNT	n20	5240	Ant0	19.38	>=0.5	Pass
NVNT	n40	5190	Ant0	41.754	>=0.5	Pass
NVNT	n40	5230	Ant0	41.319	>=0.5	Pass
NVNT	ac20	5180	Ant0	19.169	>=0.5	Pass
NVNT	ac20	5200	Ant0	19.181	>=0.5	Pass
NVNT	ac20	5240	Ant0	19.354	>=0.5	Pass
NVNT	ac40	5190	Ant0	40.913	>=0.5	Pass
NVNT	ac40	5230	Ant0	41.307	>=0.5	Pass
NVNT	ac80	5210	Ant0	81.571	>=0.5	Pass

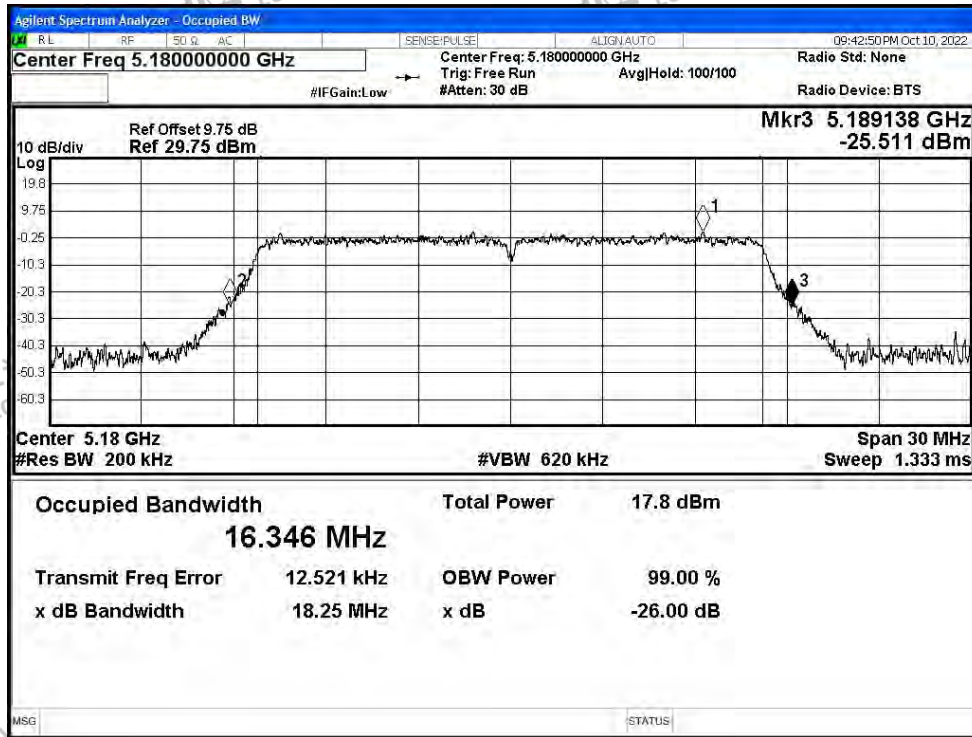


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

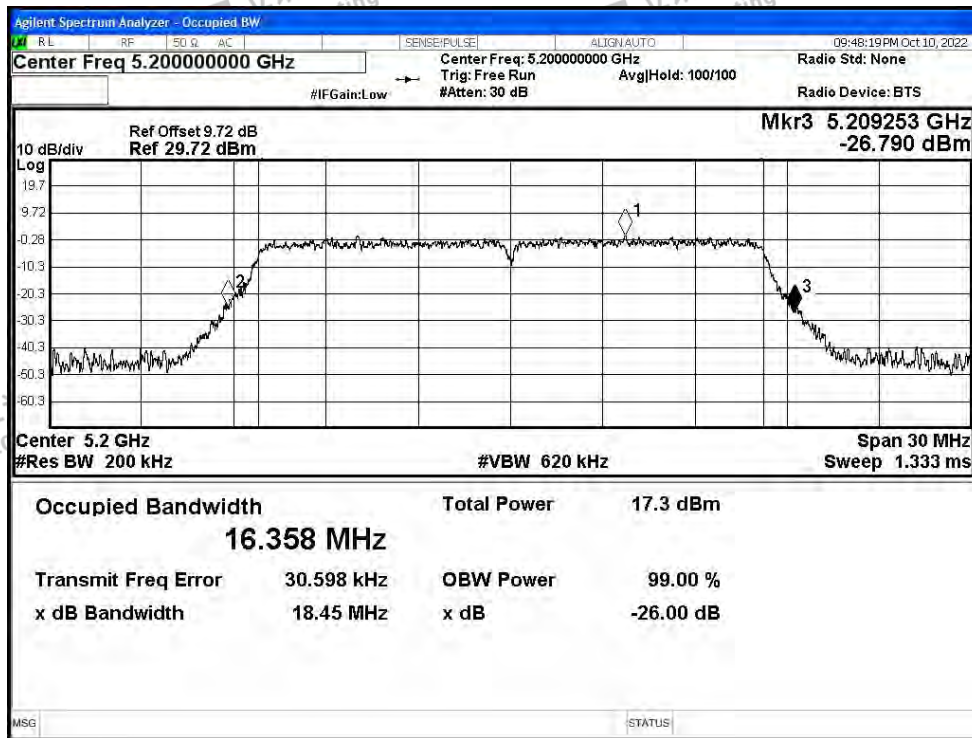


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant0

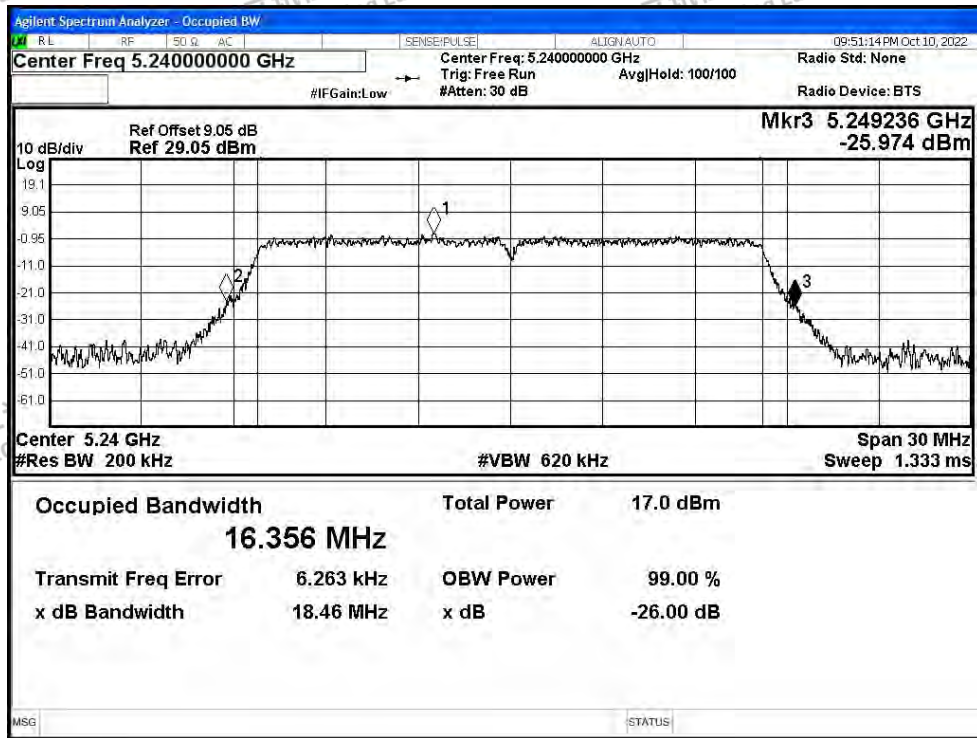


-26dB Bandwidth NVNT a 5200MHz Ant0

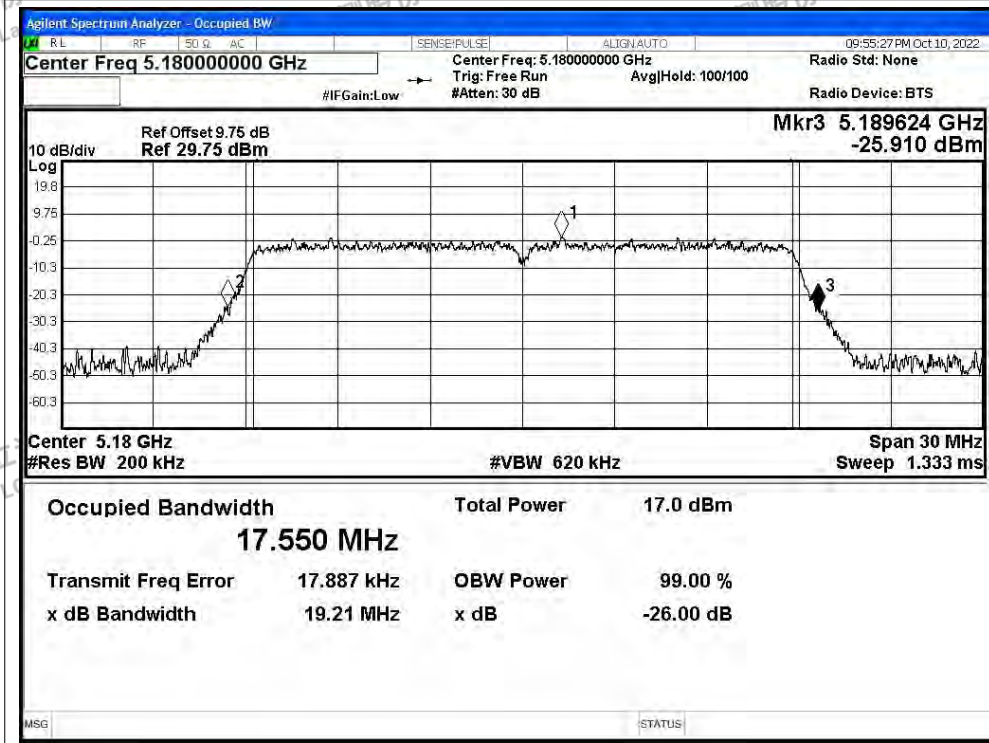




-26dB Bandwidth NVNT a 5240MHz Ant0

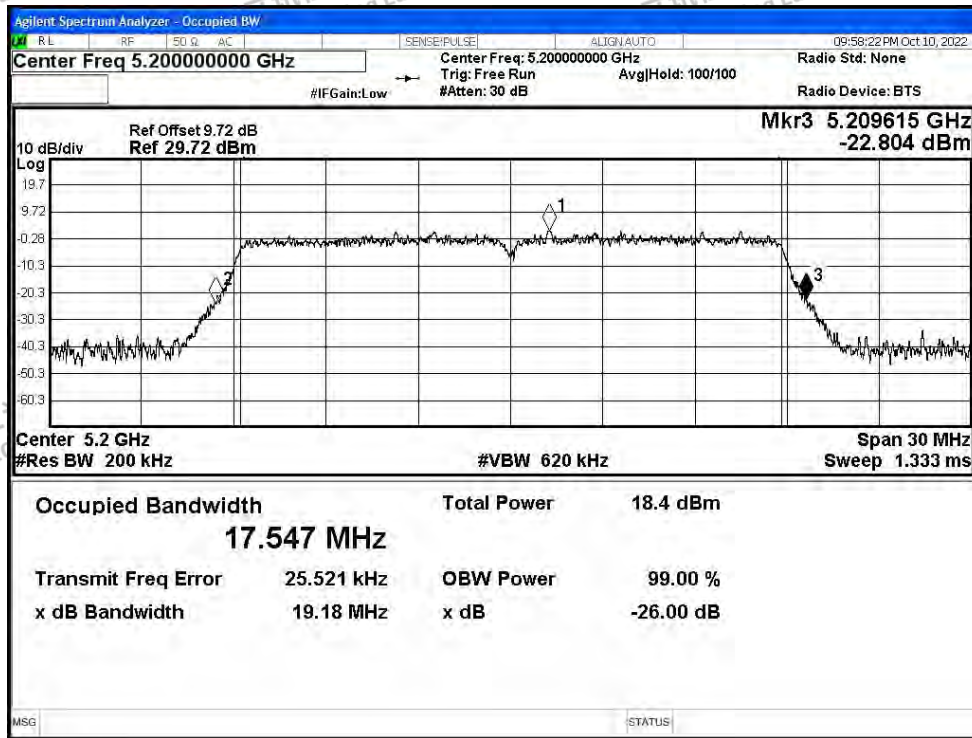


-26dB Bandwidth NVNT n20 5180MHz Ant0

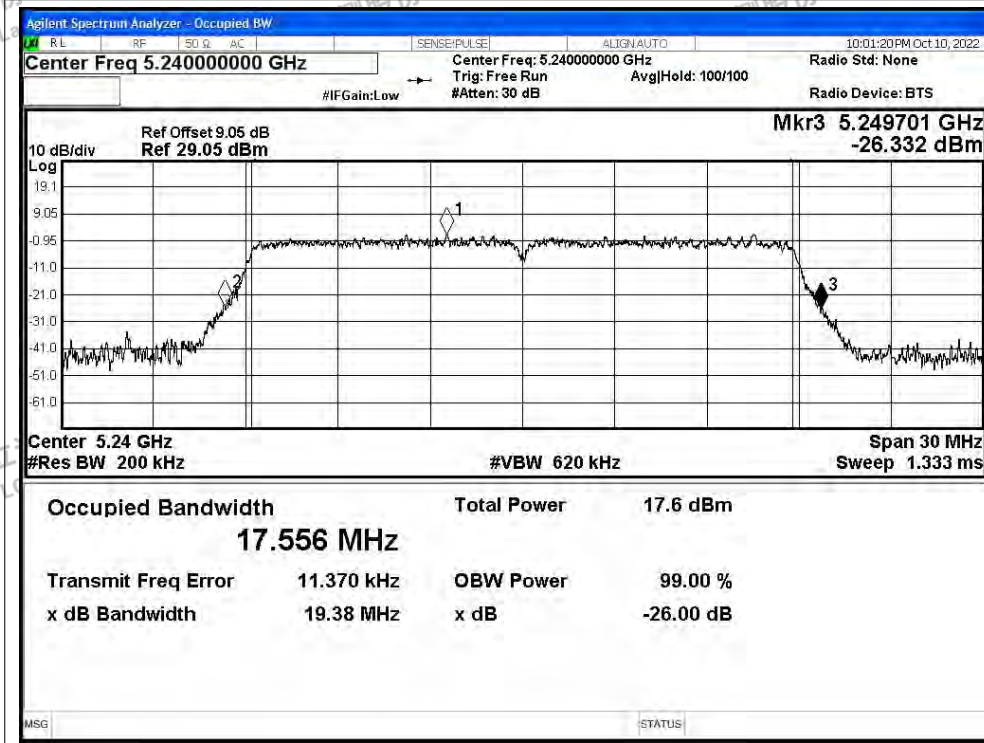




-26dB Bandwidth NVNT n20 5200MHz Ant0

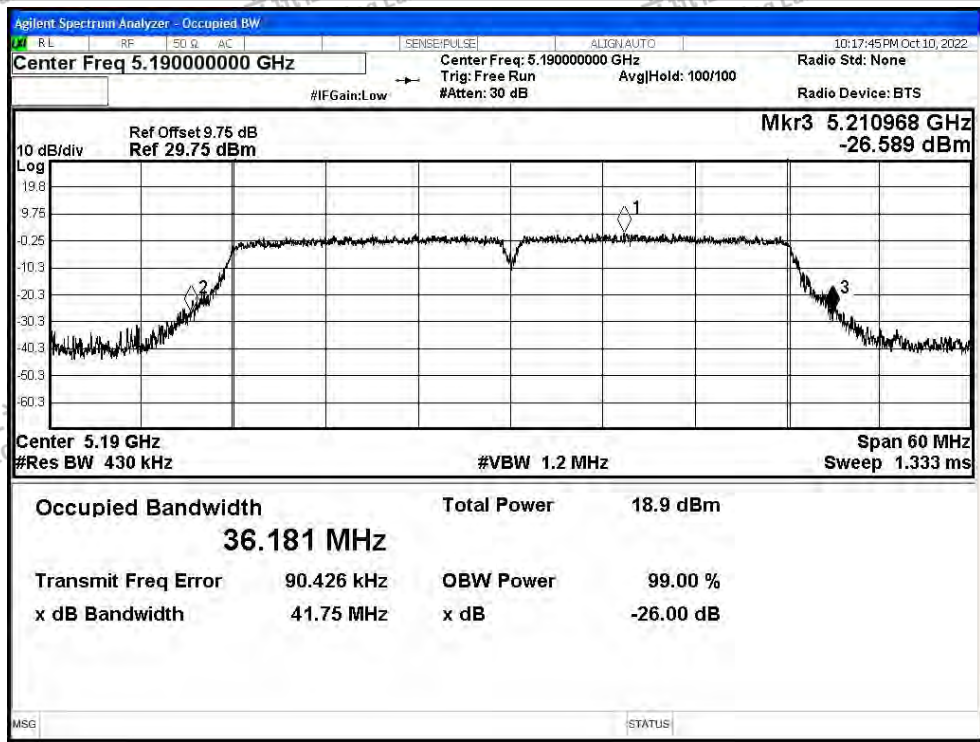


-26dB Bandwidth NVNT n20 5240MHz Ant0

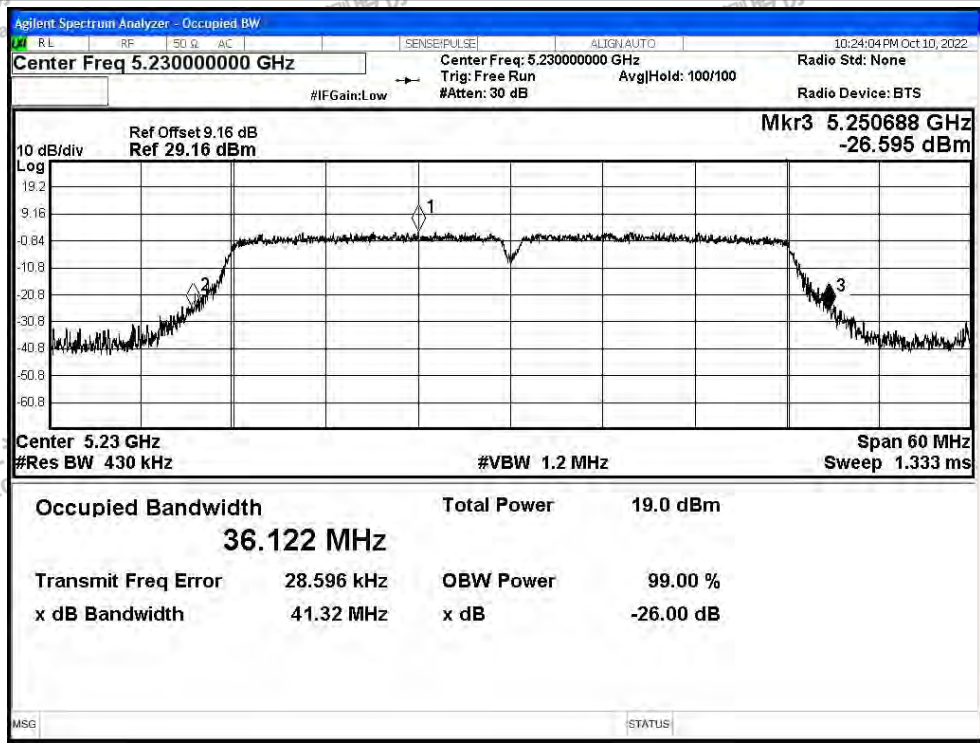




-26dB Bandwidth NVNT n40 5190MHz Ant0

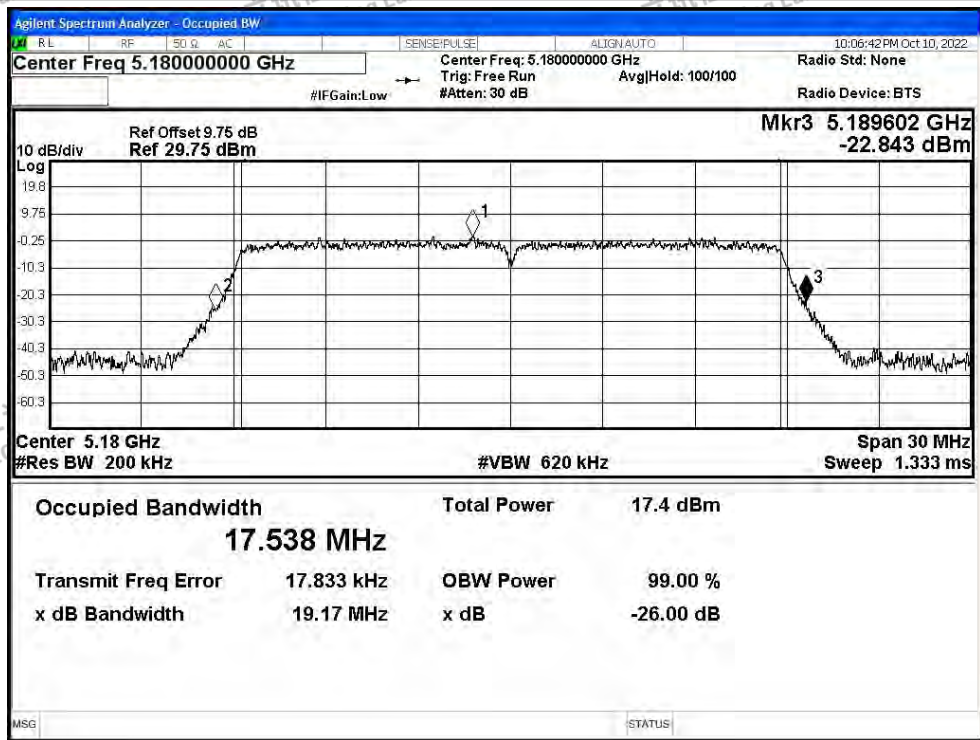


-26dB Bandwidth NVNT n40 5230MHz Ant0

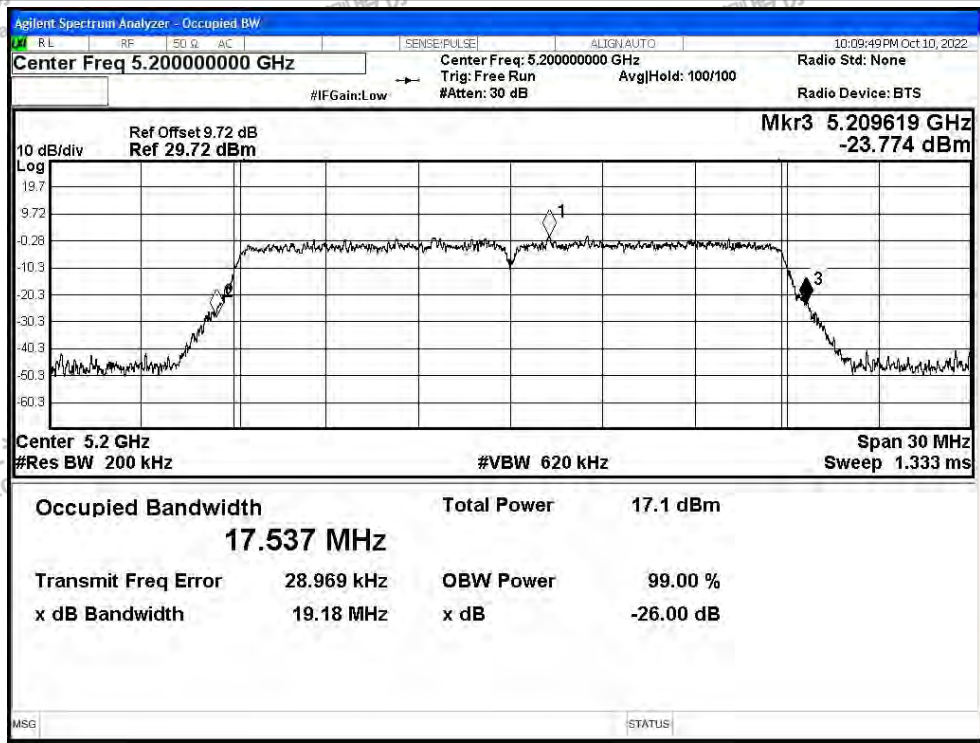




-26dB Bandwidth NVNT ac20 5180MHz Ant0

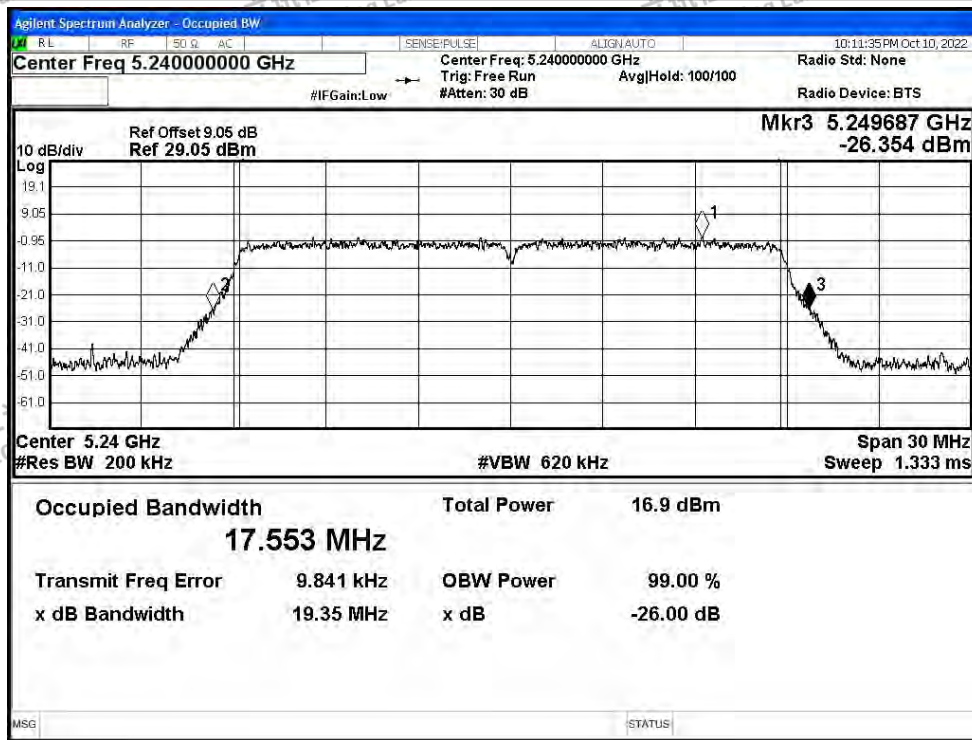


-26dB Bandwidth NVNT ac20 5200MHz Ant0





-26dB Bandwidth NVNT ac20 5240MHz Ant0



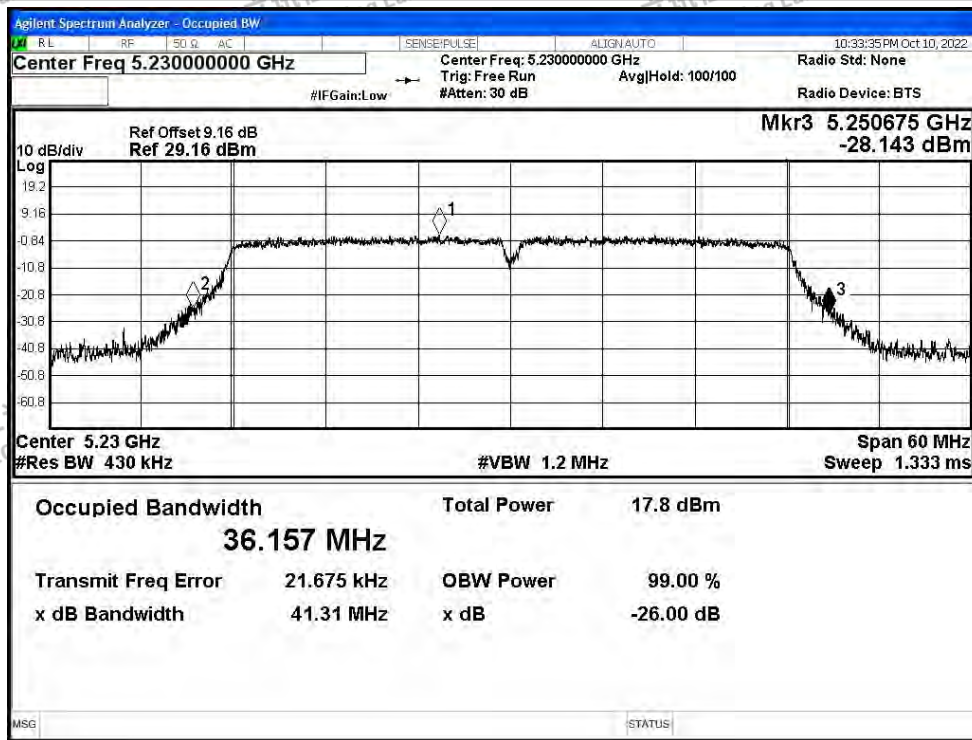
-26dB Bandwidth NVNT ac40 5190MHz Ant0



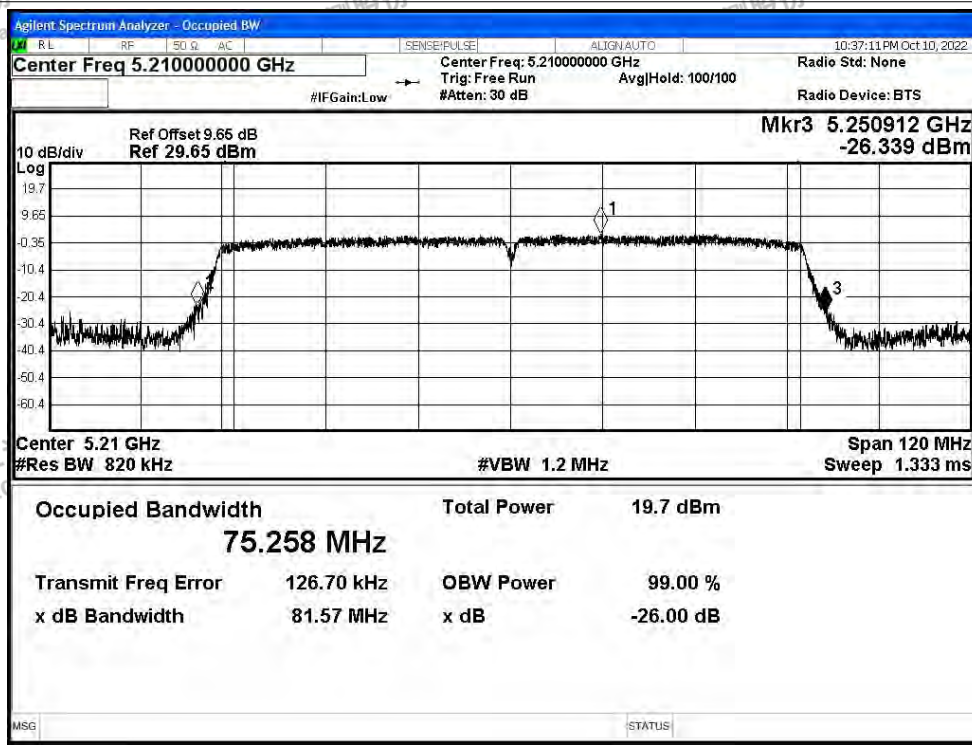




-26dB Bandwidth NVNT ac40 5230MHz Ant0



-26dB Bandwidth NVNT ac80 5210MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.491	>=0.5	Pass
NVNT	a	5200	Ant1	18.464	>=0.5	Pass
NVNT	a	5240	Ant1	18.466	>=0.5	Pass
NVNT	n20	5180	Ant1	19.297	>=0.5	Pass
NVNT	n20	5200	Ant1	19.303	>=0.5	Pass
NVNT	n20	5240	Ant1	19.191	>=0.5	Pass
NVNT	n40	5190	Ant1	41.245	>=0.5	Pass
NVNT	n40	5230	Ant1	41.69	>=0.5	Pass
NVNT	ac20	5180	Ant1	19.218	>=0.5	Pass
NVNT	ac20	5200	Ant1	19.353	>=0.5	Pass
NVNT	ac20	5240	Ant1	19.238	>=0.5	Pass
NVNT	ac40	5190	Ant1	41.286	>=0.5	Pass
NVNT	ac40	5230	Ant1	40.83	>=0.5	Pass
NVNT	ac80	5210	Ant1	81.665	>=0.5	Pass

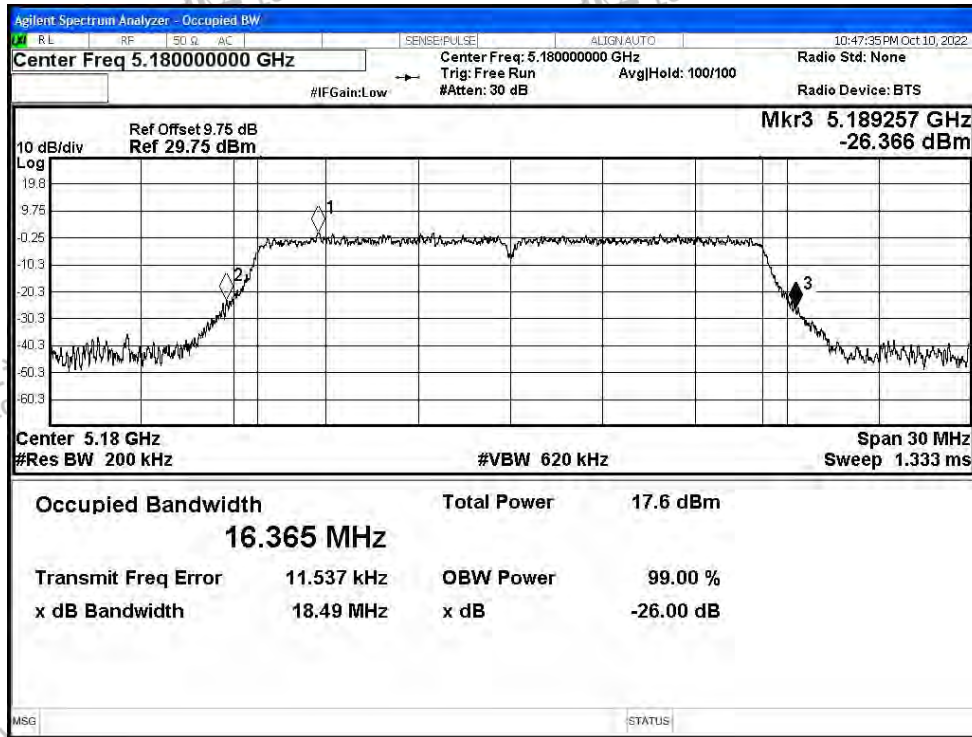


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

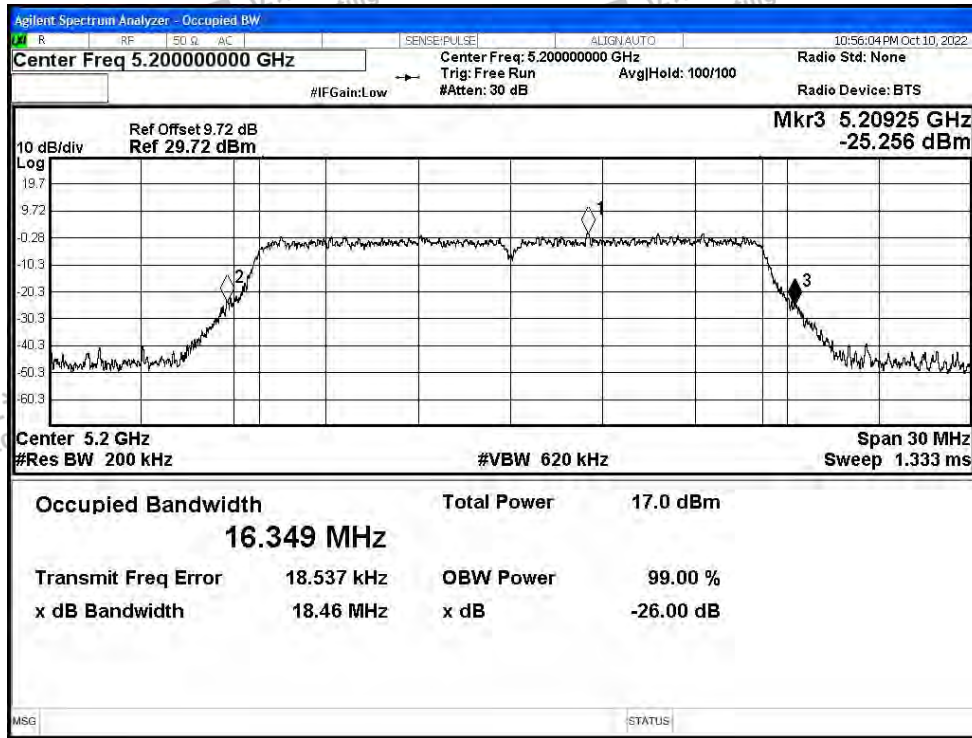


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

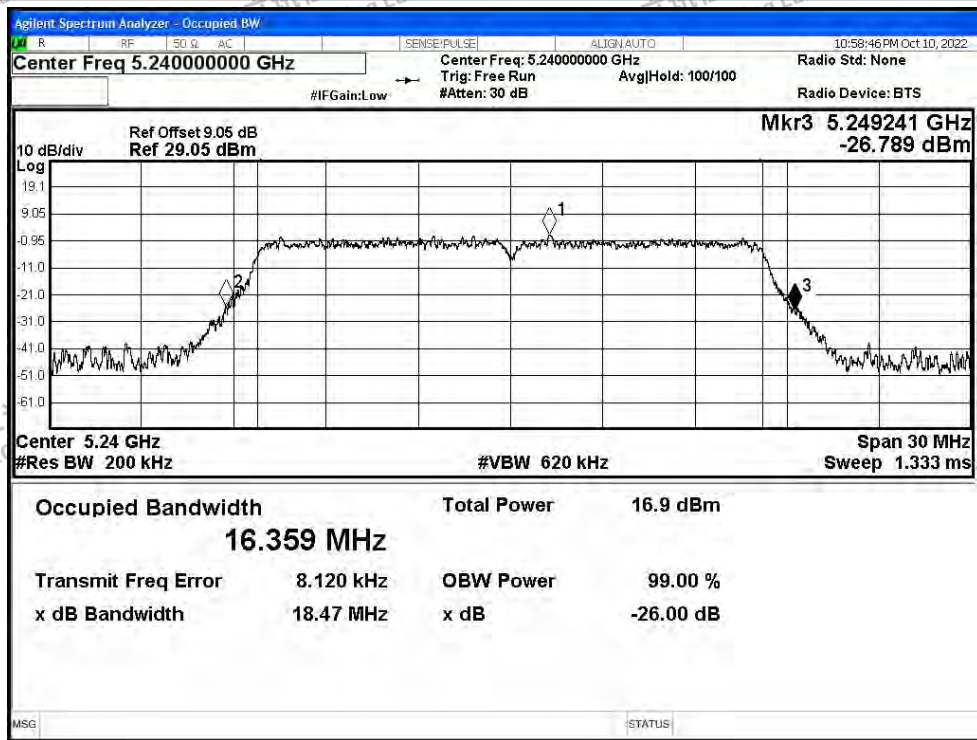


-26dB Bandwidth NVNT a 5200MHz Ant1

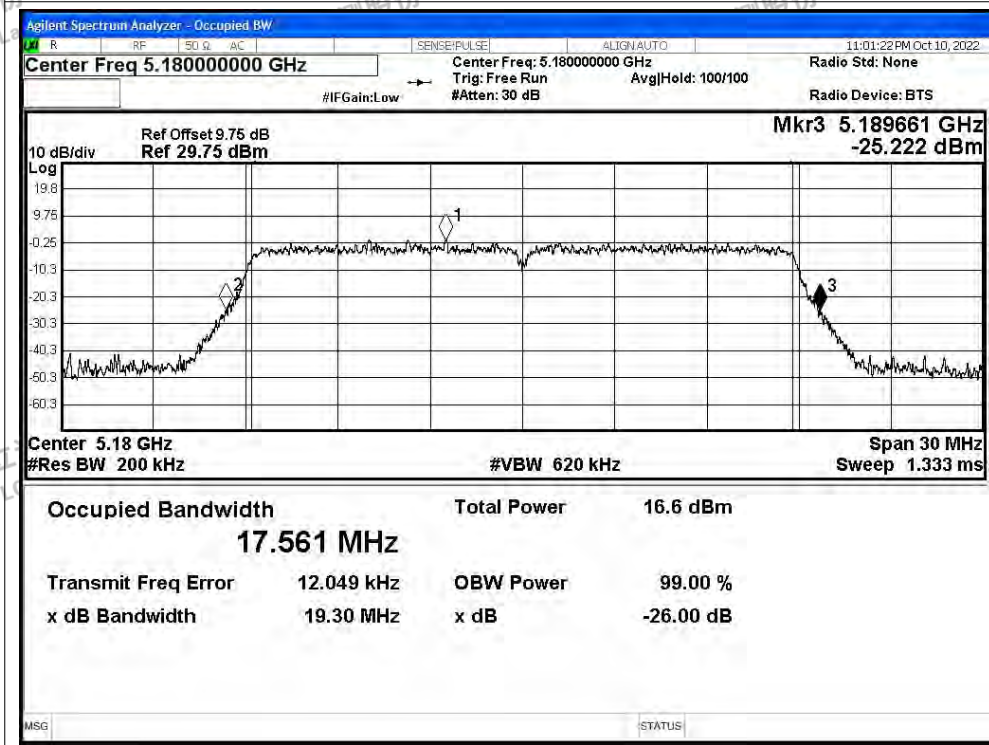




-26dB Bandwidth NVNT a 5240MHz Ant1

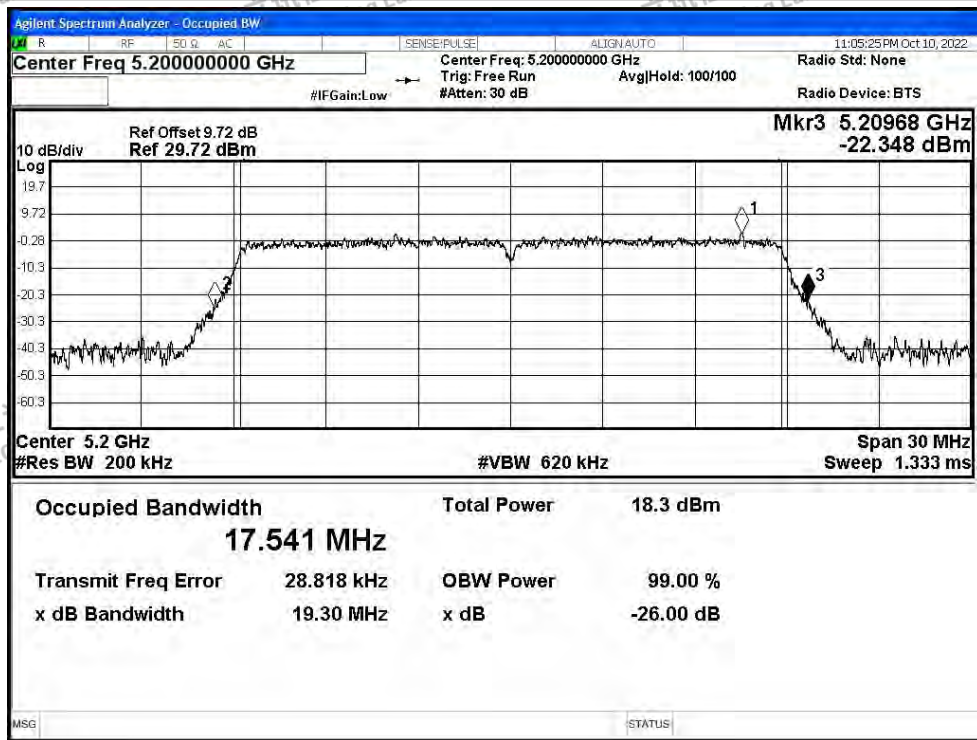


-26dB Bandwidth NVNT n20 5180MHz Ant1

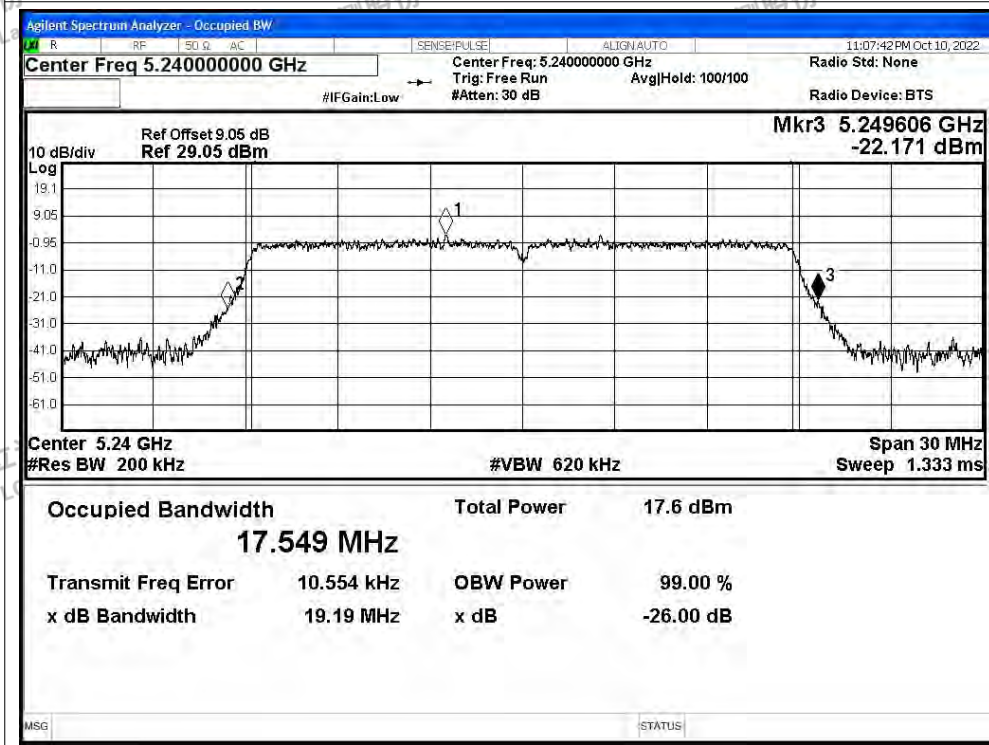




-26dB Bandwidth NVNT n20 5200MHz Ant1

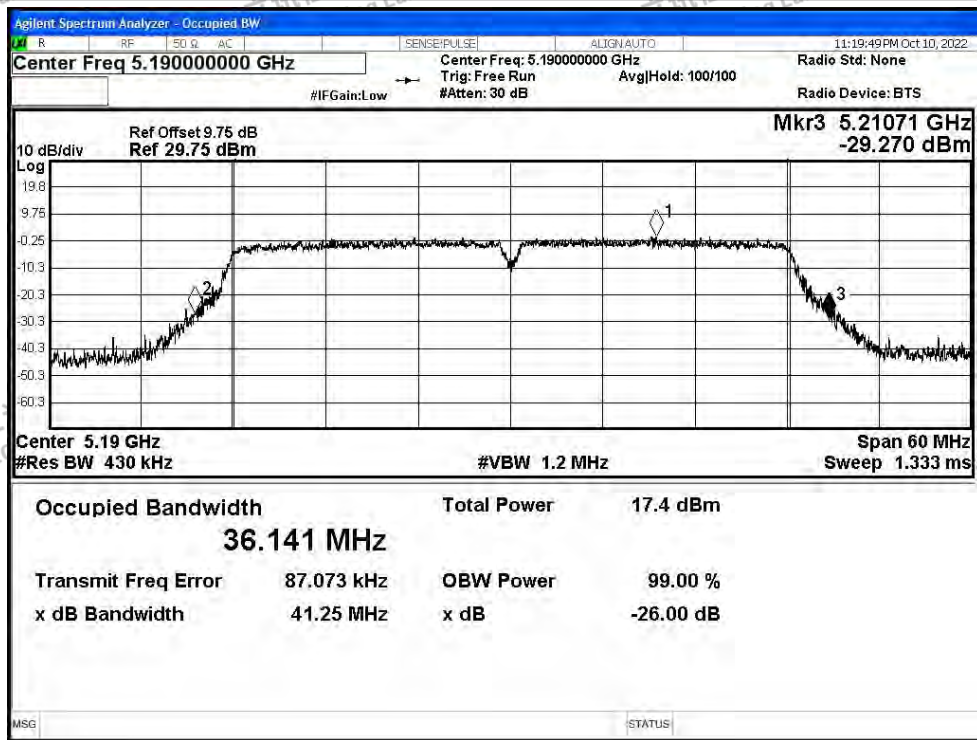


-26dB Bandwidth NVNT n20 5240MHz Ant1





-26dB Bandwidth NVNT n40 5190MHz Ant1

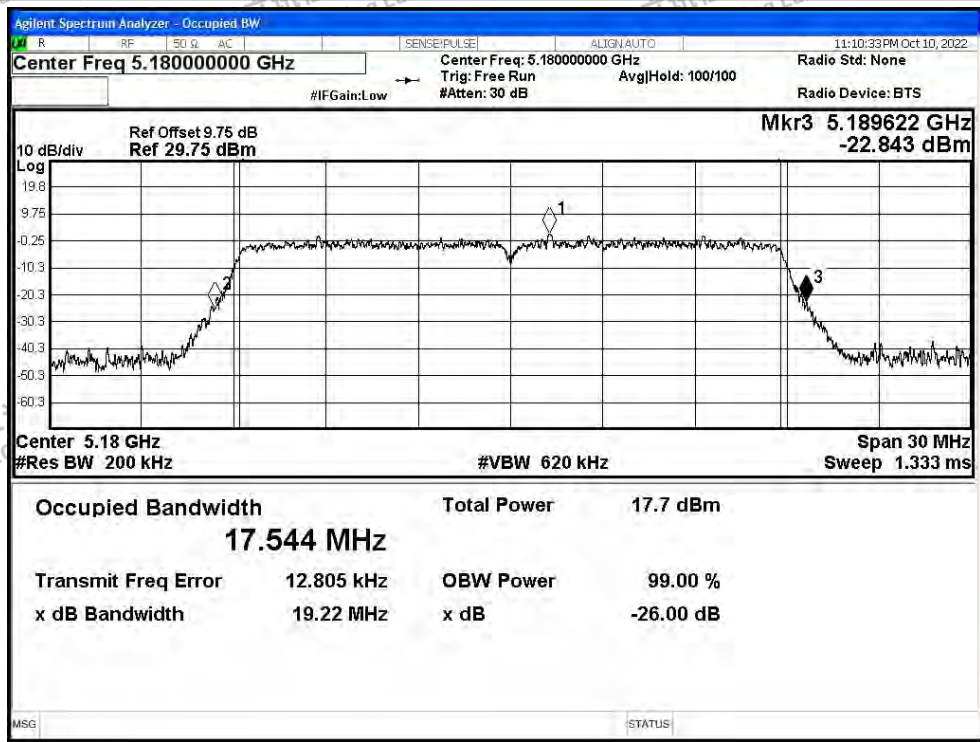


-26dB Bandwidth NVNT n40 5230MHz Ant1

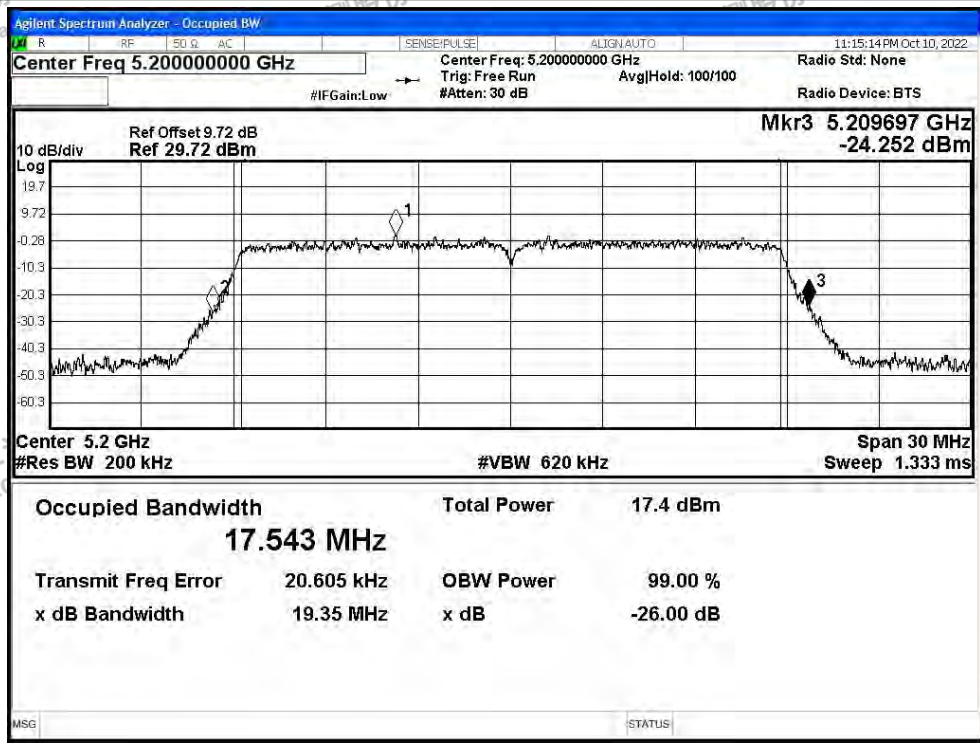




-26dB Bandwidth NVNT ac20 5180MHz Ant1

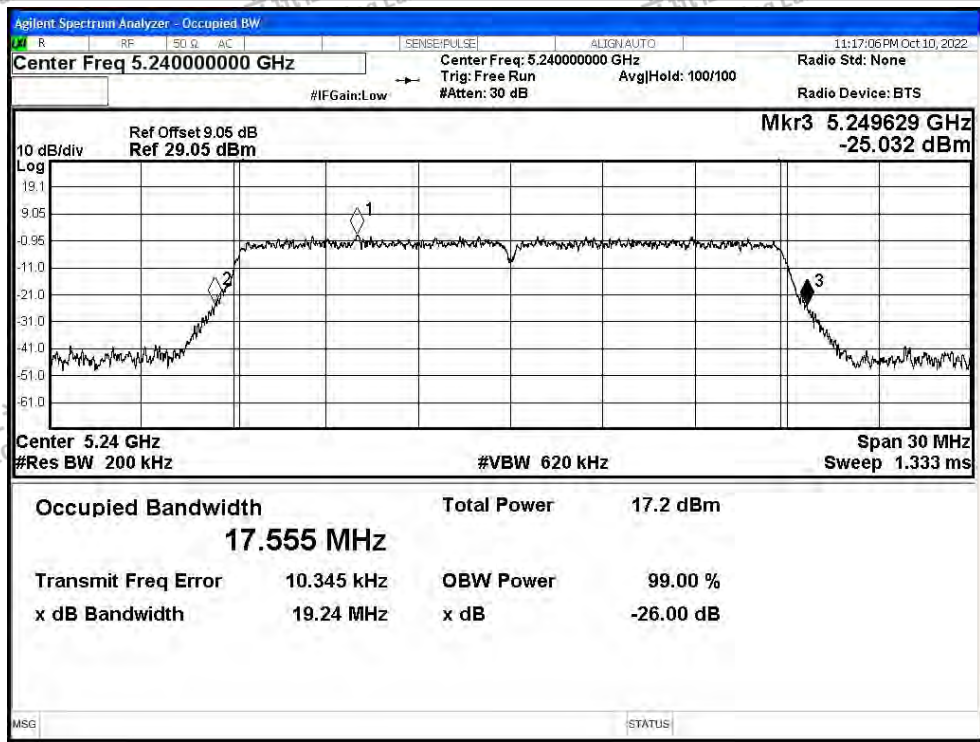


-26dB Bandwidth NVNT ac20 5200MHz Ant1

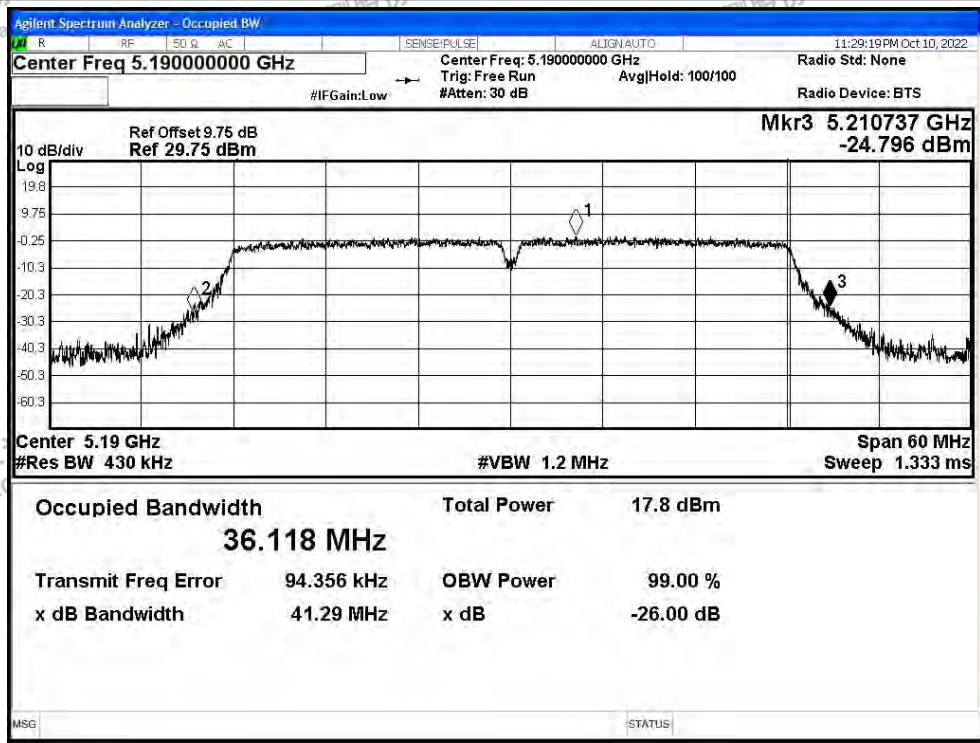




-26dB Bandwidth NVNT ac20 5240MHz Ant1



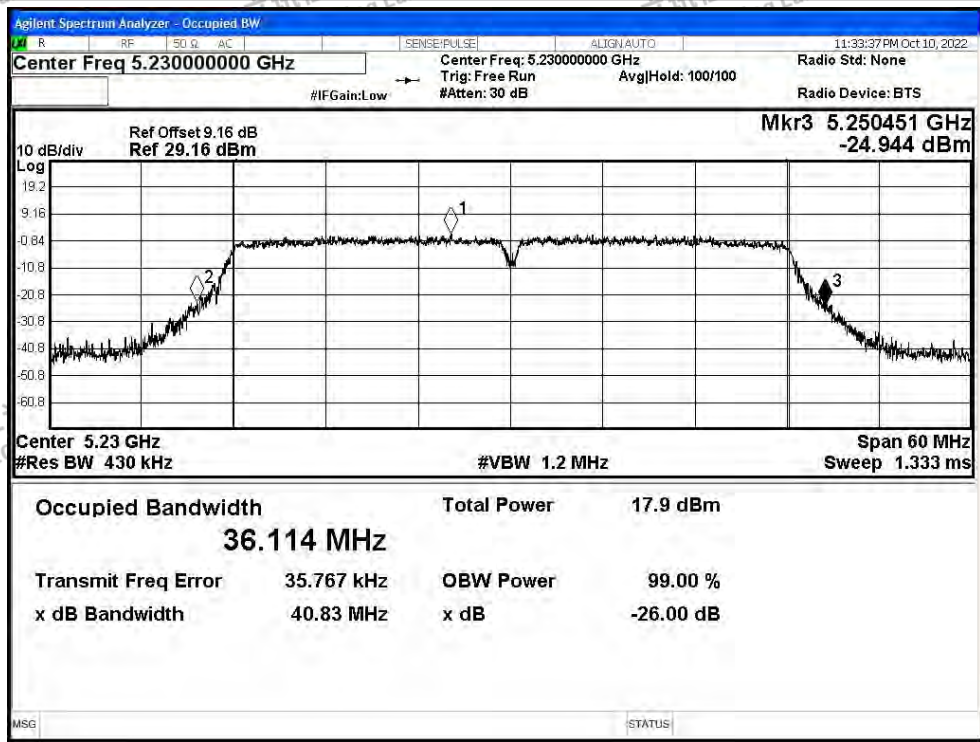
-26dB Bandwidth NVNT ac40 5190MHz Ant1



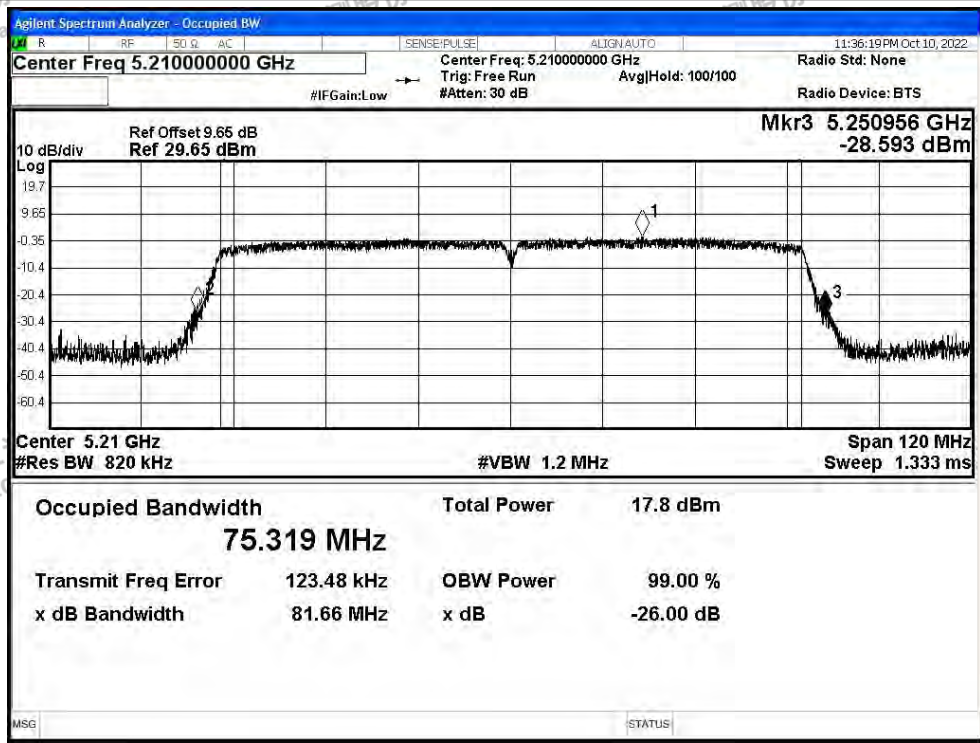




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1





### B.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	Ant0	10.41	0.52	10.93	30	Pass
NVNT	a	5200	Ant0	10.23	0.16	10.39	30	Pass
NVNT	a	5300	Ant0	9.98	0.29	10.27	30	Pass
NVNT	n20	5180	Ant0	9.76	0.34	10.1	30	Pass
NVNT	n20	5200	Ant0	11.13	0.5	11.63	30	Pass
NVNT	n20	5300	Ant0	10.07	0.44	10.51	30	Pass
NVNT	n40	5190	Ant0	11.25	0.66	11.91	30	Pass
NVNT	n40	5230	Ant0	9.75	1	10.75	30	Pass
NVNT	ac20	5180	Ant0	10.33	0.52	10.85	30	Pass
NVNT	ac20	5200	Ant0	9.96	0.41	10.37	30	Pass
NVNT	ac20	5300	Ant0	9.82	0.58	10.4	30	Pass
NVNT	ac40	5190	Ant0	10.35	0.54	10.89	30	Pass
NVNT	ac40	5230	Ant0	10.35	0.94	11.29	30	Pass
NVNT	ac80	5210	Ant0	9.04	1.14	10.18	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.69	0.27	10.96	30	Pass
NVNT	a	5200	Ant1	10.01	0.19	10.2	30	Pass
NVNT	a	5300	Ant1	9.66	0.19	9.85	30	Pass
NVNT	n20	5180	Ant1	9.37	0.36	9.73	30	Pass
NVNT	n20	5200	Ant1	11.01	0.52	11.53	30	Pass
NVNT	n20	5300	Ant1	10.69	0.37	11.06	30	Pass
NVNT	n40	5190	Ant1	9.87	0.65	10.52	30	Pass
NVNT	n40	5230	Ant1	9.68	1.05	10.73	30	Pass
NVNT	ac20	5180	Ant1	10.53	0.47	11	30	Pass
NVNT	ac20	5200	Ant1	10.33	0.44	10.77	30	Pass
NVNT	ac20	5300	Ant1	9.89	0.52	10.41	30	Pass
NVNT	ac40	5190	Ant1	10.18	0.49	10.67	30	Pass
NVNT	ac40	5230	Ant1	10.37	0.64	11.01	30	Pass
NVNT	ac80	5210	Ant1	8.81	1.65	10.46	30	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



MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5180	10.1	9.73	12.93	28.46	Pass
NVNT	n20	5200	11.63	11.53	14.59	28.46	Pass
NVNT	n20	5240	16.59	11.06	17.66	28.46	Pass
NVNT	n40	5190	11.25	10.52	13.91	28.46	Pass
NVNT	n40	5230	10.75	10.73	13.75	28.46	Pass
NVNT	ac20	5180	10.85	11	13.94	28.46	Pass
NVNT	ac20	5200	10.37	10.77	13.58	28.46	Pass
NVNT	ac20	5240	10.4	10.41	13.42	28.46	Pass
NVNT	ac40	5190	10.35	10.67	13.52	28.46	Pass
NVNT	ac40	5230	10.35	11.01	13.70	28.46	Pass
NVNT	ac80	5210	10.18	10.46	13.33	28.46	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



### B.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	5180	Ant0	-17.33	0.52	-16.81	17	Pass
NVNT	a	5200	Ant0	-16.63	0.16	-16.47	17	Pass
NVNT	a	5240	Ant0	-19.02	0.29	-18.73	17	Pass
NVNT	n20	5180	Ant0	-17.93	0.34	-17.59	17	Pass
NVNT	n20	5200	Ant0	-18.26	0.5	-17.76	17	Pass
NVNT	n20	5240	Ant0	-18.75	0.44	-18.31	17	Pass
NVNT	n40	5190	Ant0	-21.77	0.66	-21.11	17	Pass
NVNT	n40	5230	Ant0	-20.6	1	-19.6	17	Pass
NVNT	ac20	5180	Ant0	-17.7	0.52	-17.18	17	Pass
NVNT	ac20	5200	Ant0	-17.24	0.41	-16.83	17	Pass
NVNT	ac20	5240	Ant0	-18.1	0.58	-17.52	17	Pass
NVNT	ac40	5190	Ant0	-21.88	0.54	-21.34	17	Pass
NVNT	ac40	5230	Ant0	-21.69	0.94	-20.75	17	Pass
NVNT	ac80	5210	Ant0	-24.77	1.14	-23.63	17	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-17.73	0.27	-17.46	17	Pass
NVNT	a	5200	Ant1	-18.06	0.19	-17.87	17	Pass
NVNT	a	5240	Ant1	-19.15	0.19	-18.96	17	Pass
NVNT	n20	5180	Ant1	-19.48	0.36	-19.12	17	Pass
NVNT	n20	5200	Ant1	-16.72	0.52	-16.2	17	Pass
NVNT	n20	5240	Ant1	-17.99	0.37	-17.62	17	Pass
NVNT	n40	5190	Ant1	-22.08	0.65	-21.43	17	Pass
NVNT	n40	5230	Ant1	-22.94	1.05	-21.89	17	Pass
NVNT	ac20	5180	Ant1	-17.88	0.47	-17.41	17	Pass
NVNT	ac20	5200	Ant1	-18.02	0.44	-17.58	17	Pass
NVNT	ac20	5240	Ant1	-17.36	0.52	-16.84	17	Pass
NVNT	ac40	5190	Ant1	-22.41	0.49	-21.92	17	Pass
NVNT	ac40	5230	Ant1	-22.08	0.64	-21.44	17	Pass
NVNT	ac80	5210	Ant1	-27.17	1.65	-25.52	17	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5180	-17.59	-19.12	-15.28	15.46	Pass
NVNT	n20	5200	-17.76	-4.02	-3.84	15.46	Pass
NVNT	n20	5240	-12.23	-17.62	-11.13	15.46	Pass
NVNT	n40	5190	-21.77	-21.43	-18.59	15.46	Pass
NVNT	n40	5230	-20.6	-21.89	-18.19	15.46	Pass
NVNT	ac20	5180	-17.18	-17.41	-14.28	15.46	Pass
NVNT	ac20	5200	-16.83	-17.58	-14.18	15.46	Pass
NVNT	ac20	5240	-17.52	-16.84	-14.16	15.46	Pass
NVNT	ac40	5190	-21.34	-21.92	-18.61	15.46	Pass
NVNT	ac40	5230	-20.75	-21.44	-18.07	15.46	Pass
NVNT	ac80	5210	-23.63	-25.52	-21.46	15.46	Pass

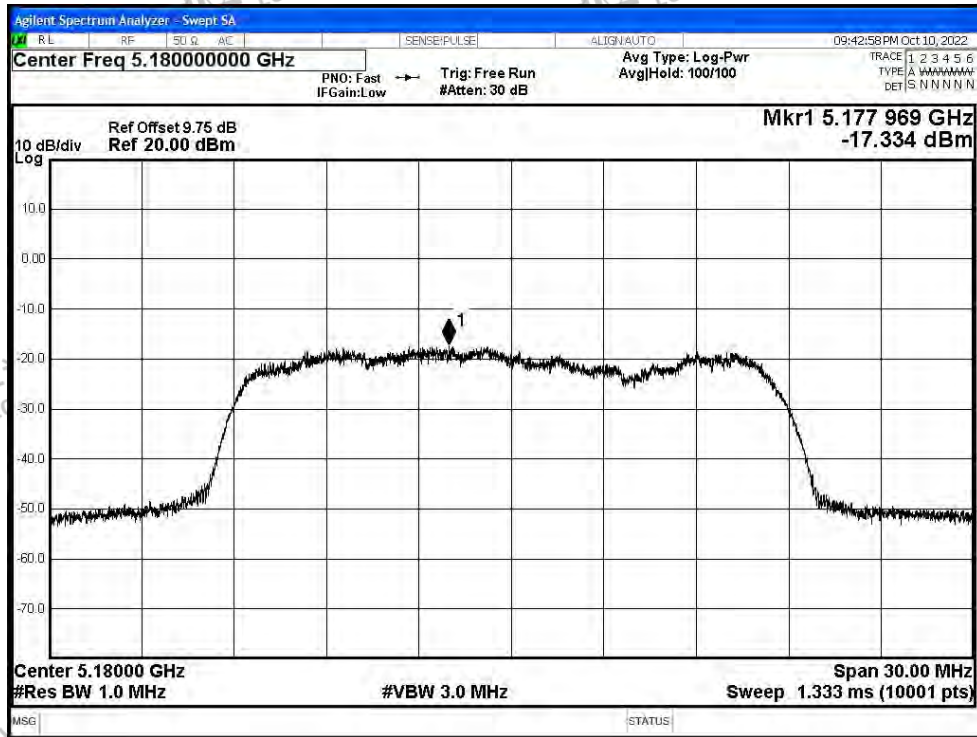


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

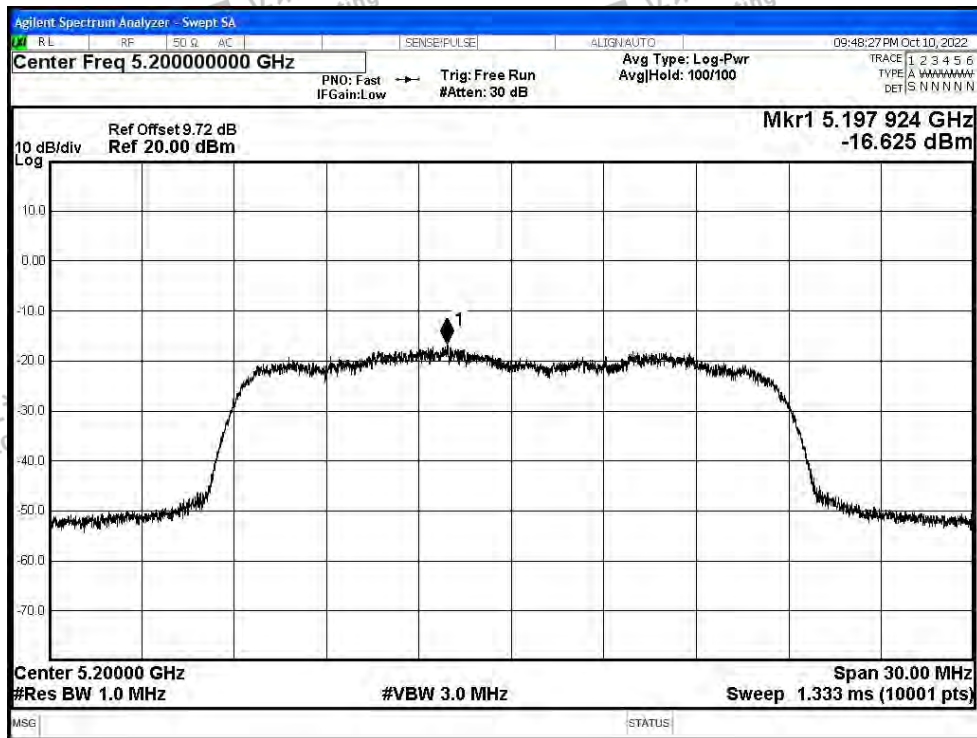


Test Graphs

PSD NVNT a 5180MHz Ant0

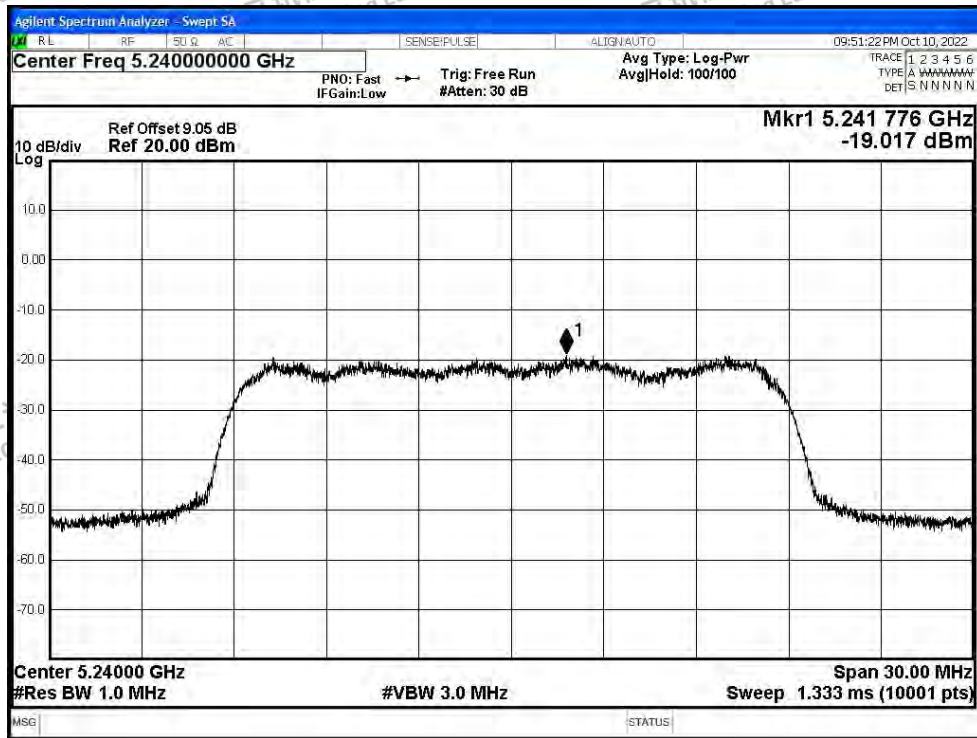


PSD NVNT a 5200MHz Ant0

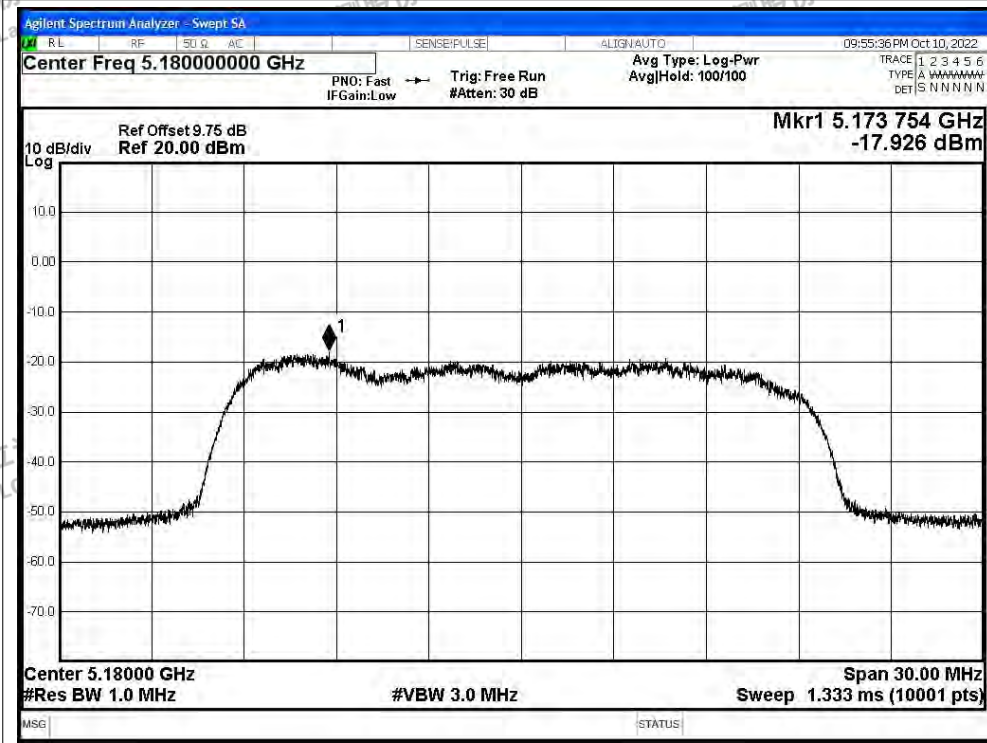




PSD NVNT a 5240MHz Ant0

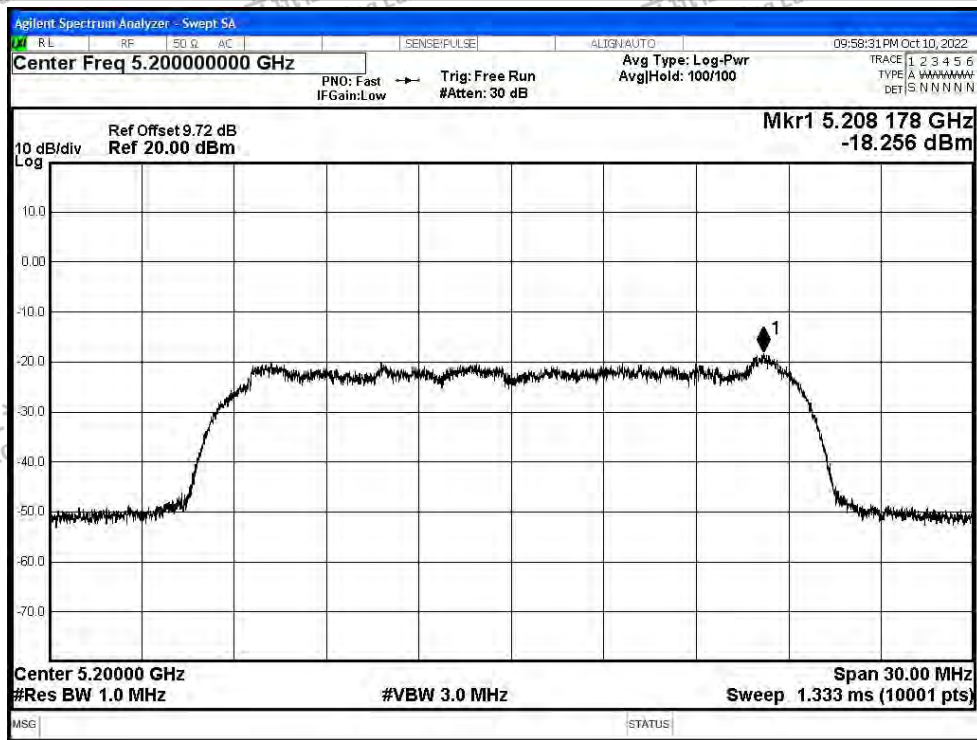


PSD NVNT n20 5180MHz Ant0

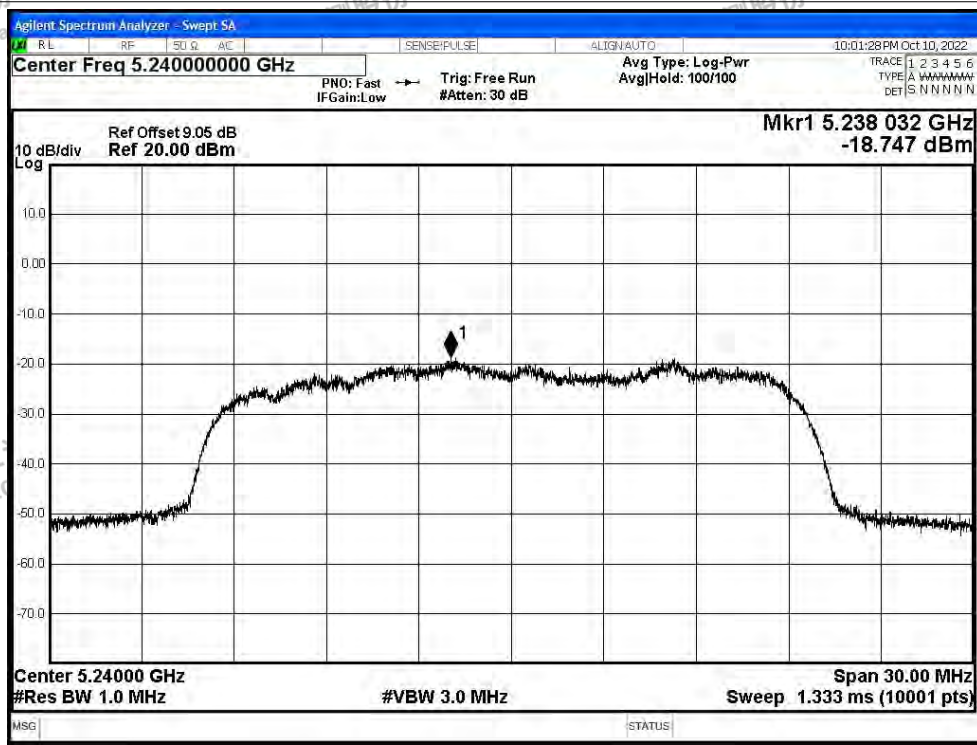




PSD NVNT n20 5200MHz Ant0



PSD NVNT n20 5240MHz Ant0



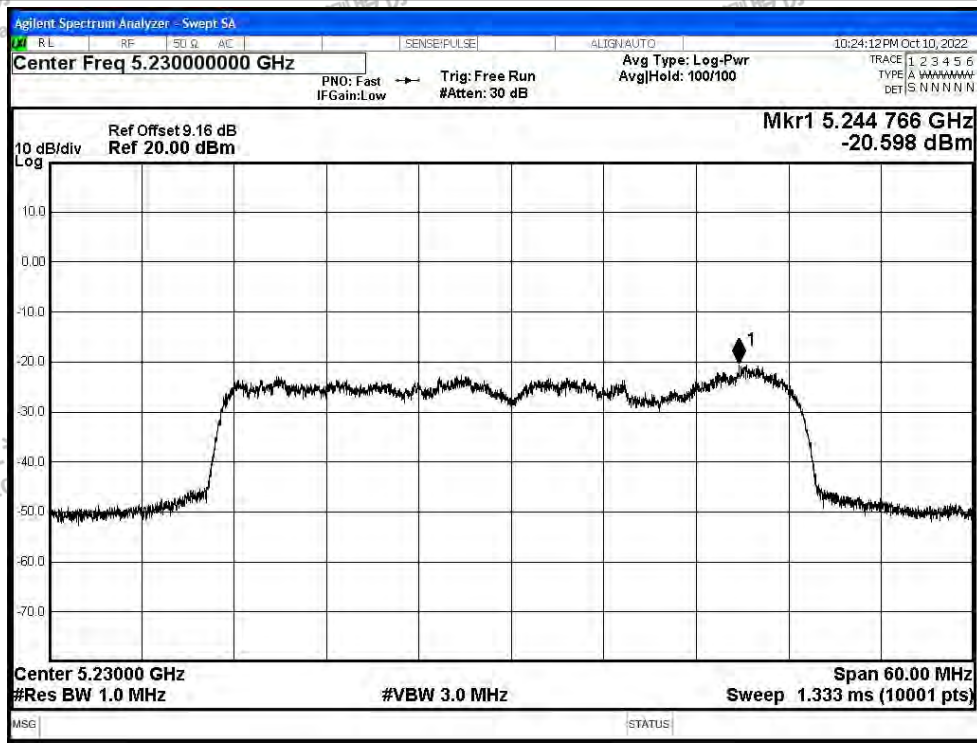




PSD NVNT n40 5190MHz Ant0

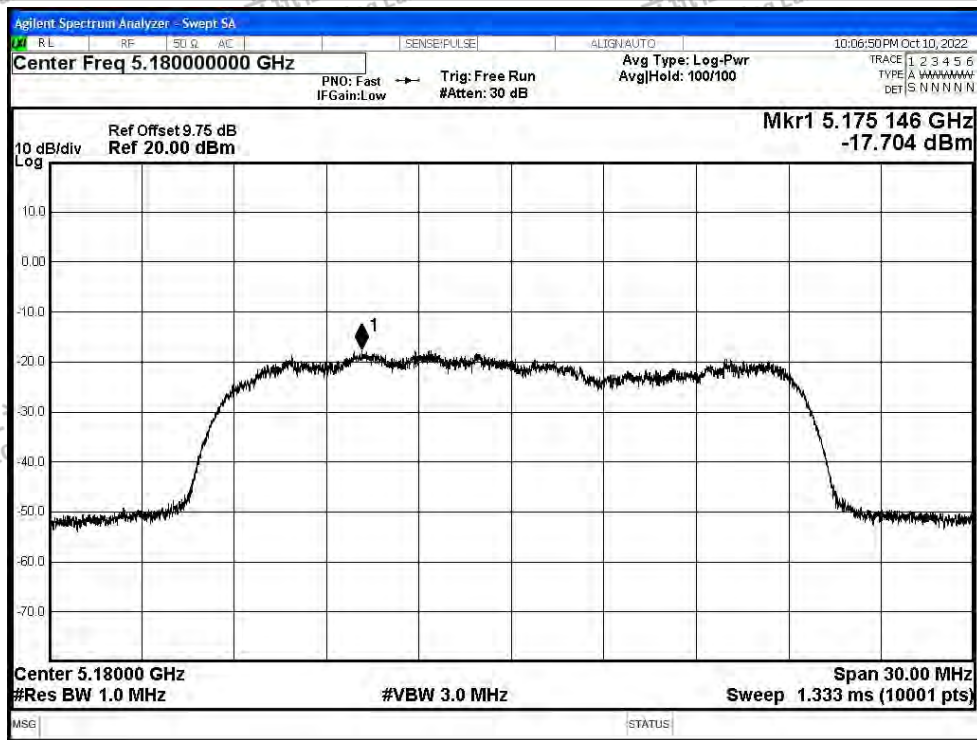


PSD NVNT n40 5230MHz Ant0

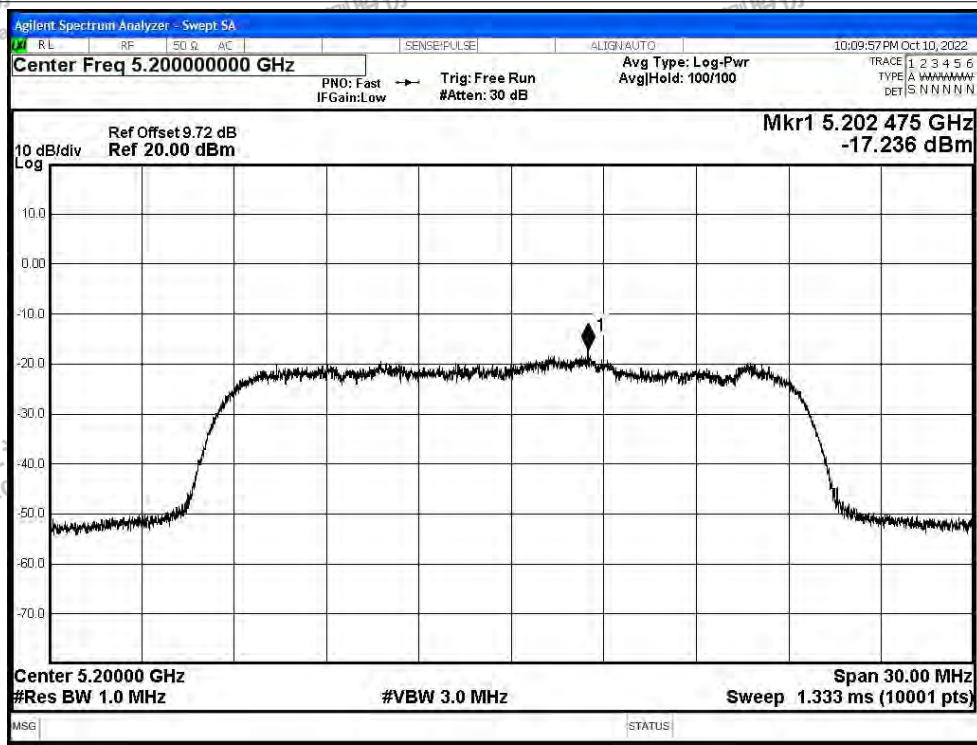




PSD NVNT ac20 5180MHz Ant0

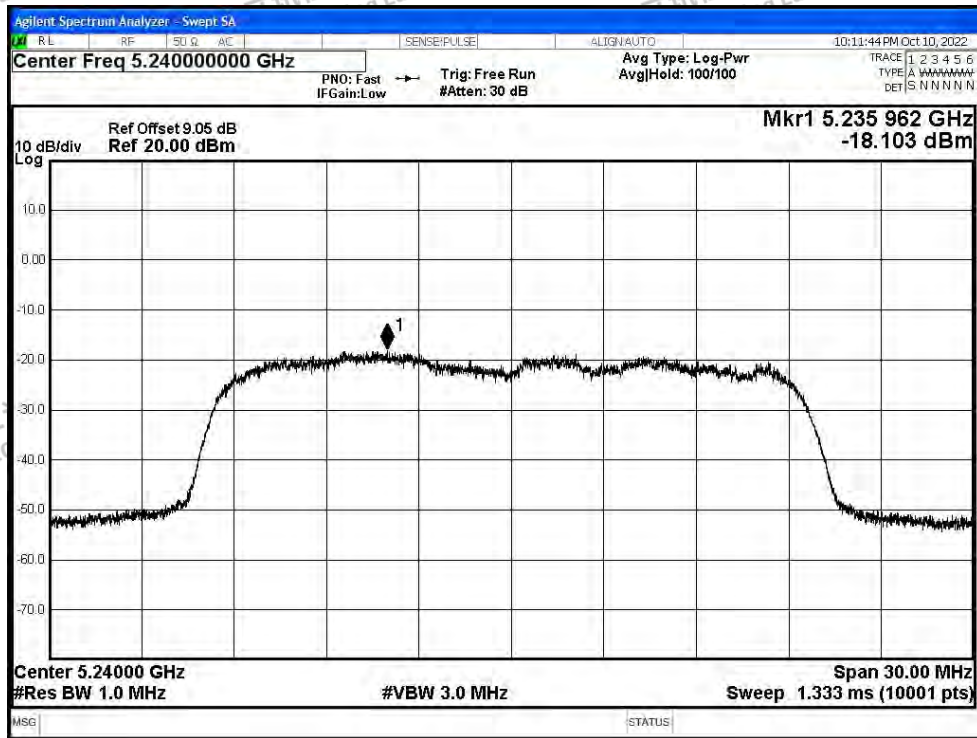


PSD NVNT ac20 5200MHz Ant0

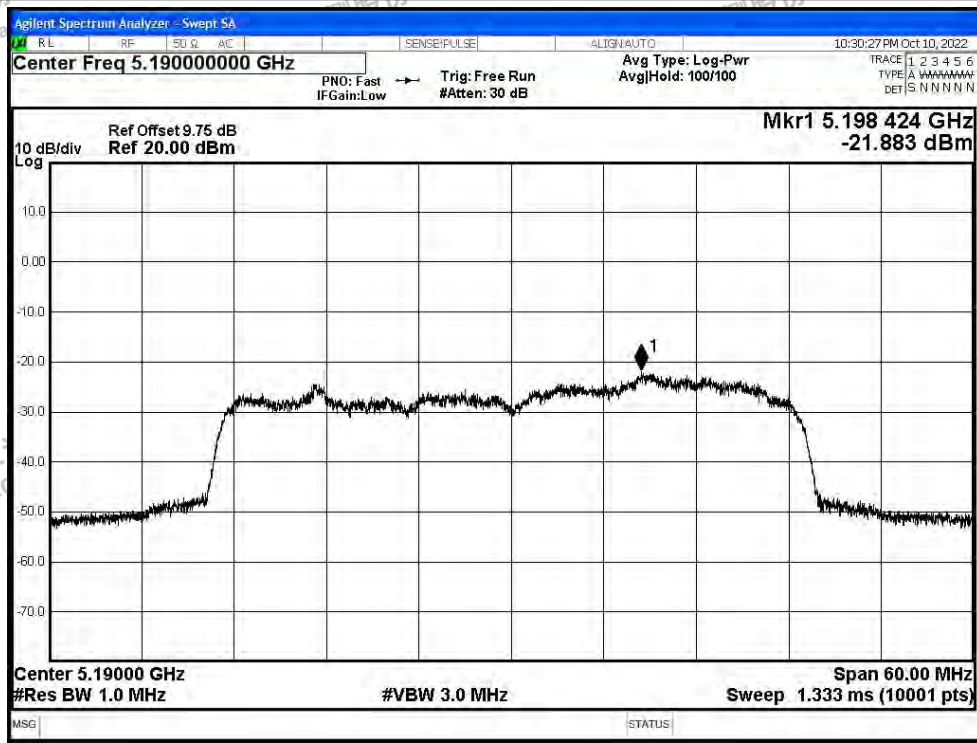




PSD NVNT ac20 5240MHz Ant0

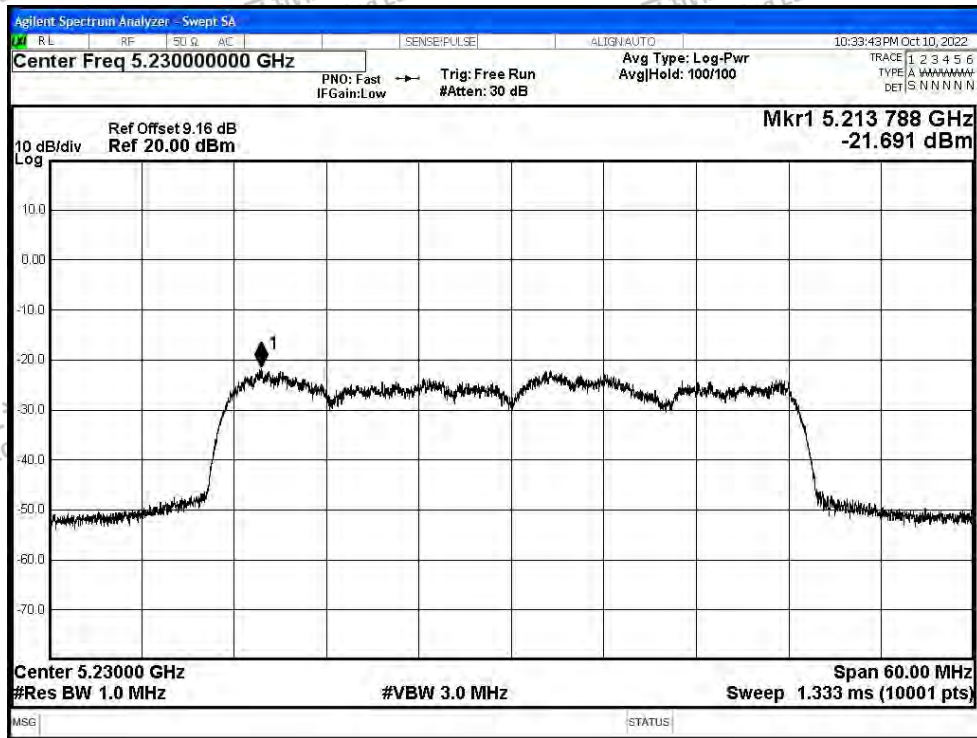


PSD NVNT ac40 5190MHz Ant0

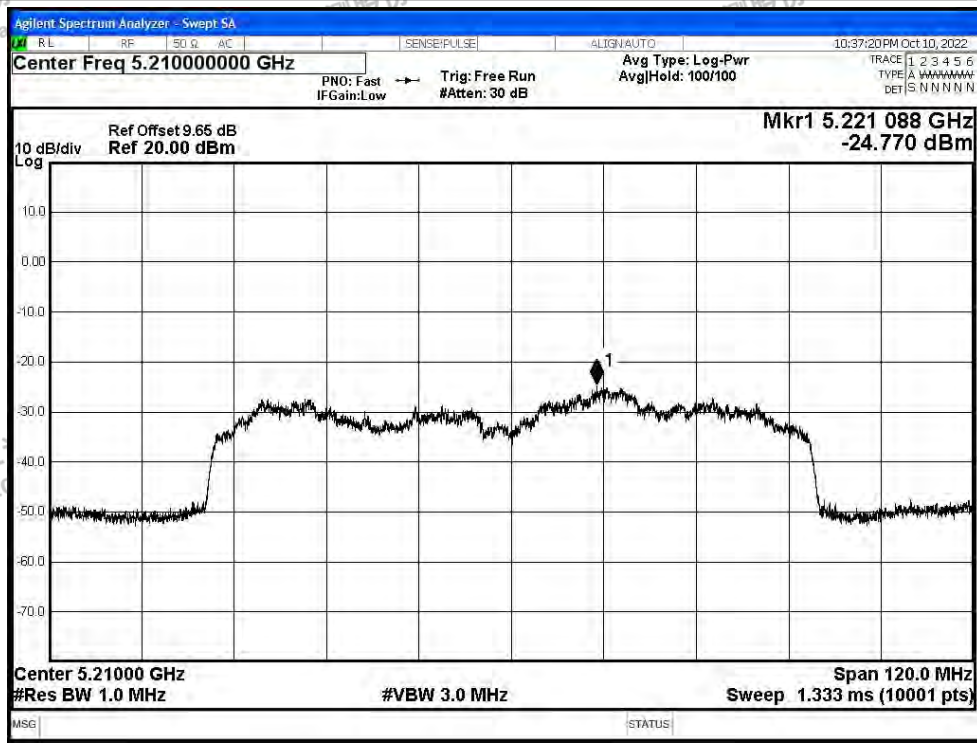




PSD NVNT ac40 5230MHz Ant0



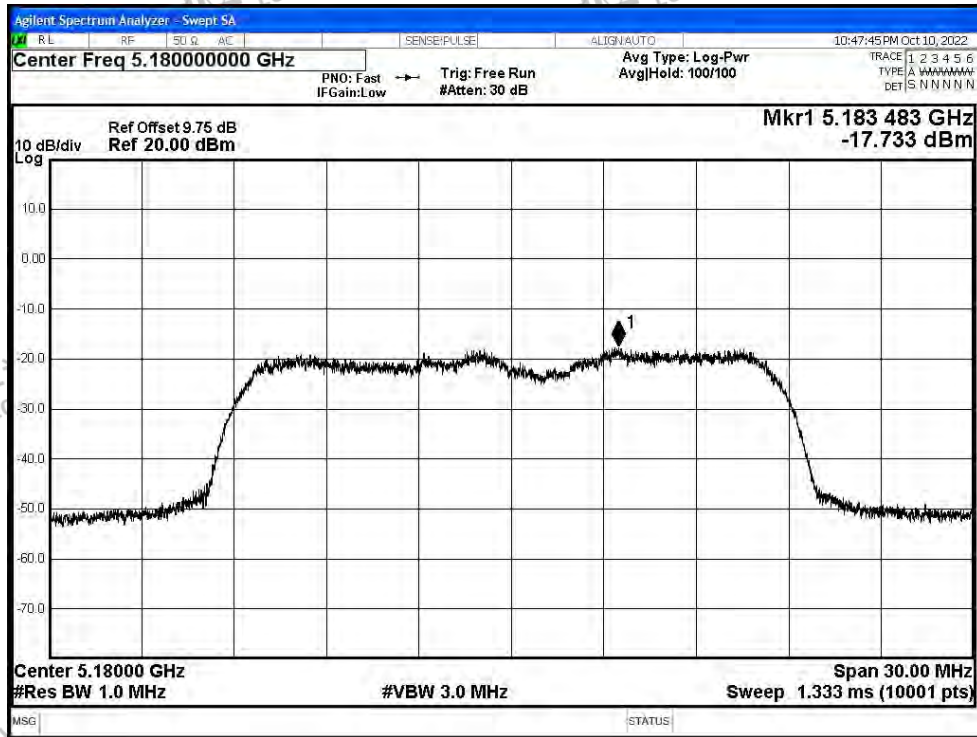
PSD NVNT ac80 5210MHz Ant0



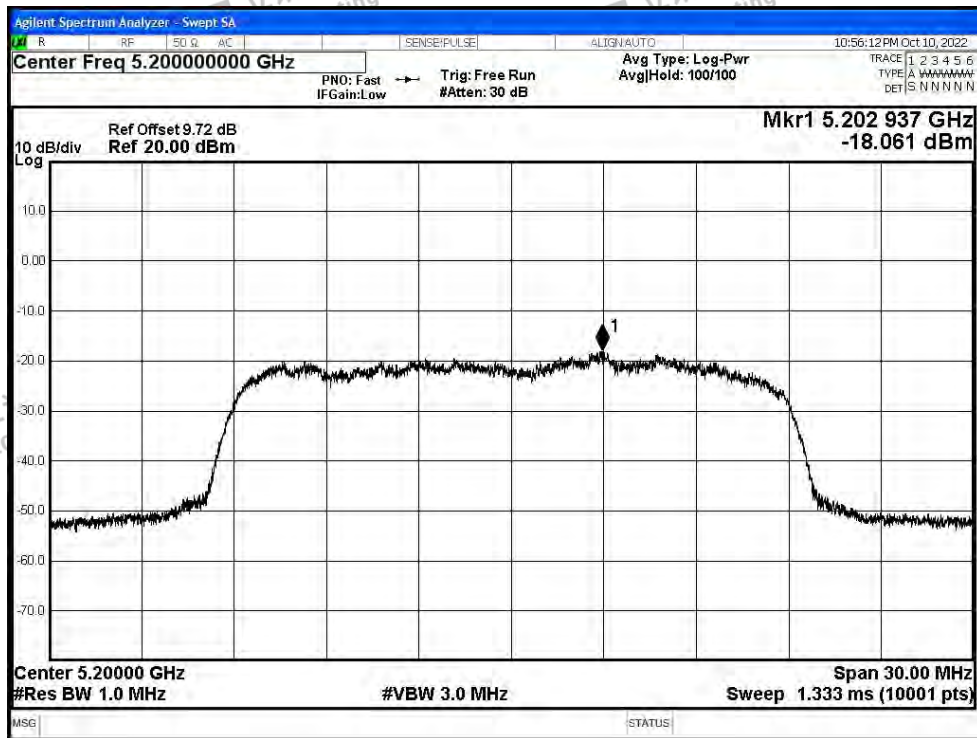


Test Graphs

PSD NVNT a 5180MHz Ant1

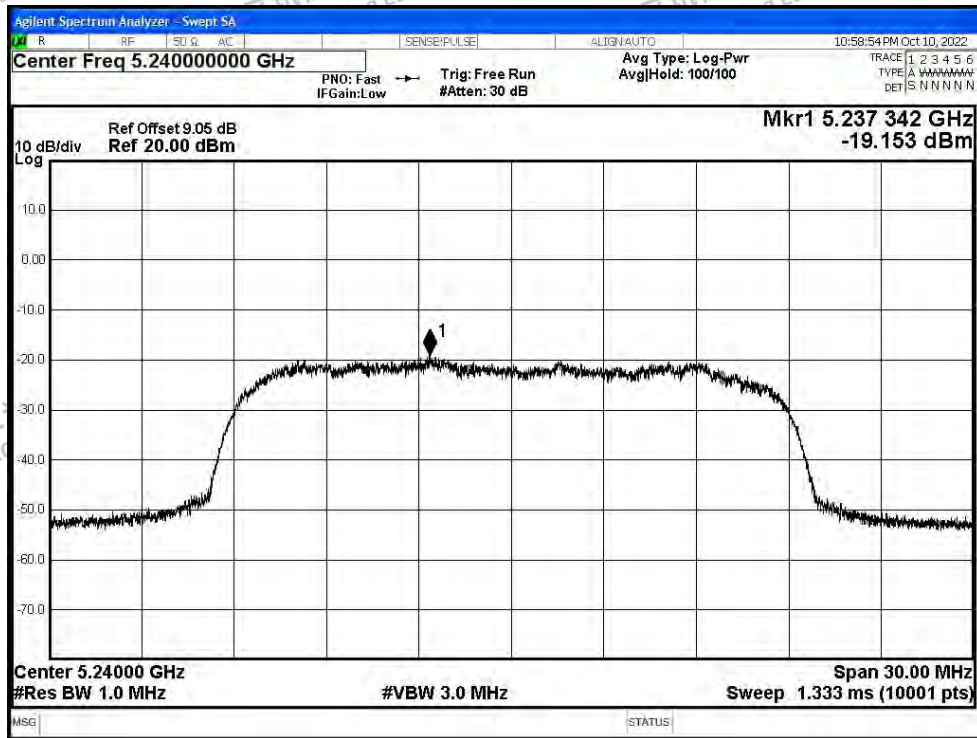


PSD NVNT a 5200MHz Ant1

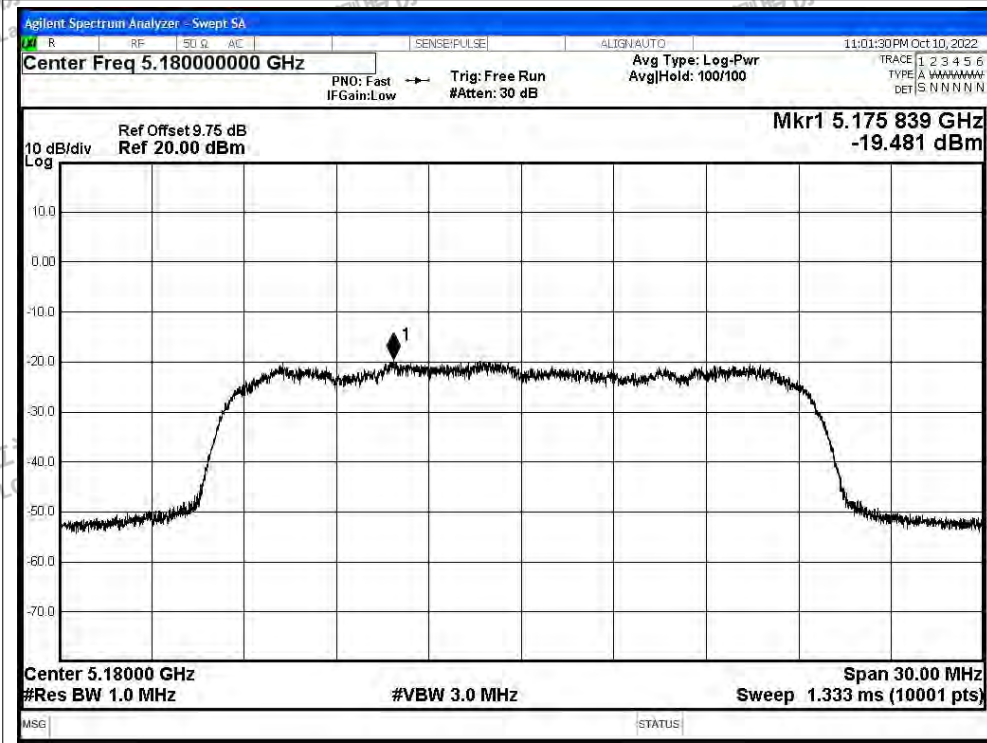




PSD NVNT a 5240MHz Ant1

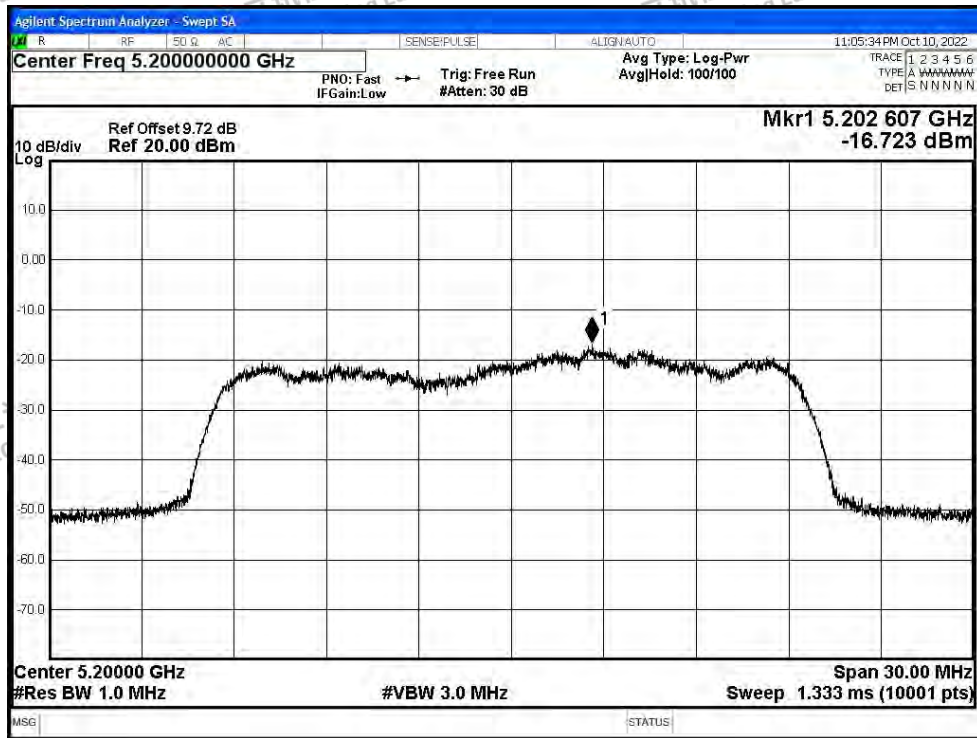


PSD NVNT n20 5180MHz Ant1

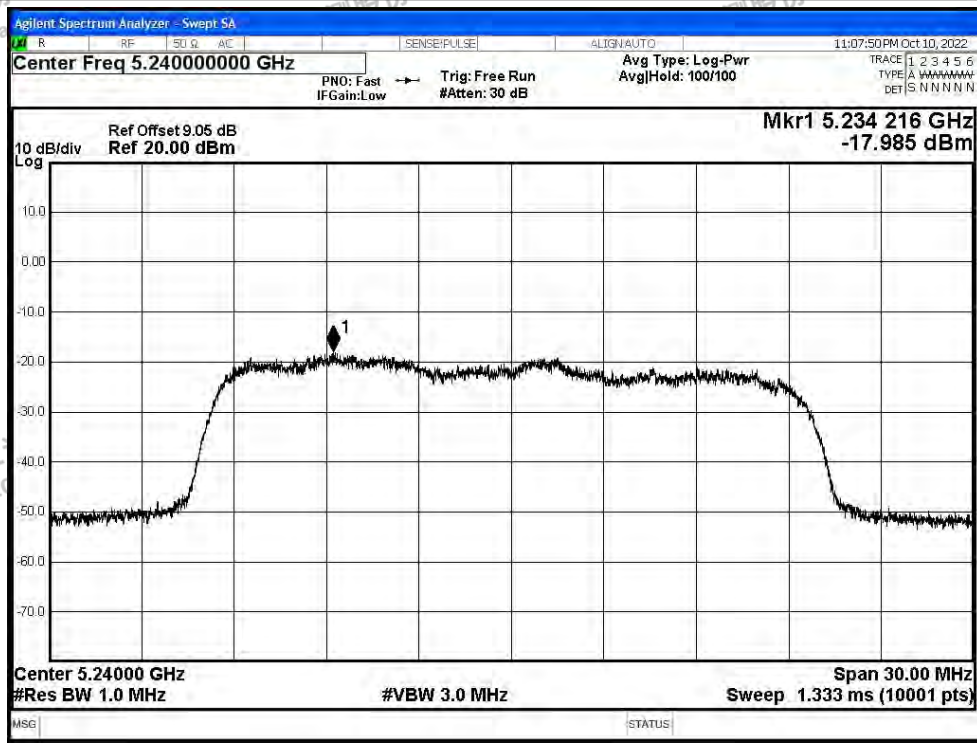




PSD NVNT n20 5200MHz Ant1

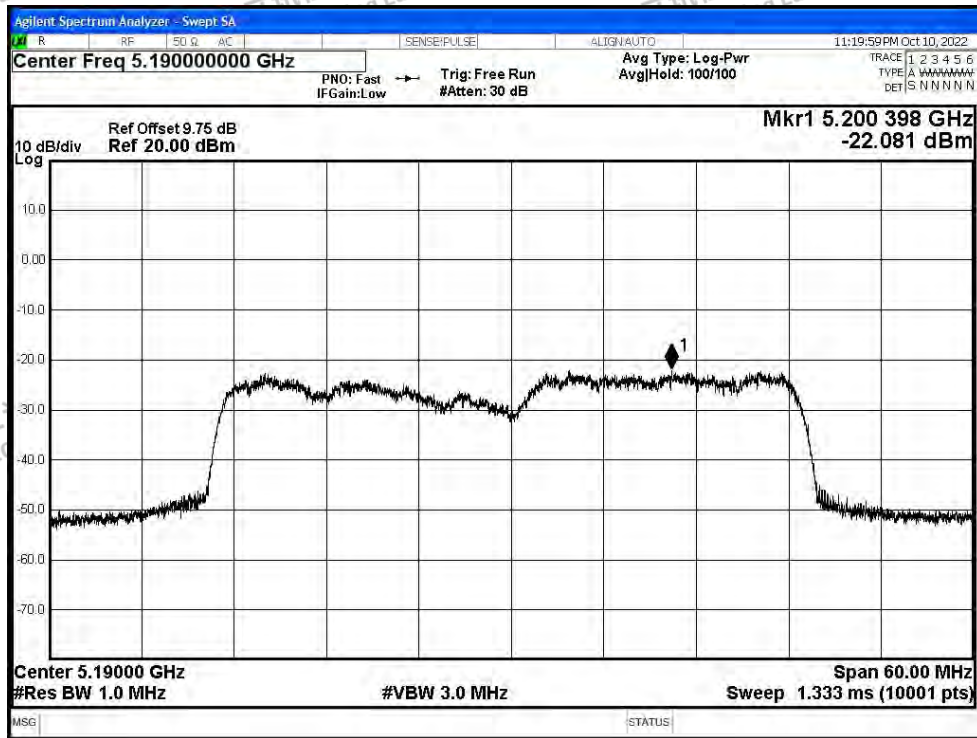


PSD NVNT n20 5240MHz Ant1

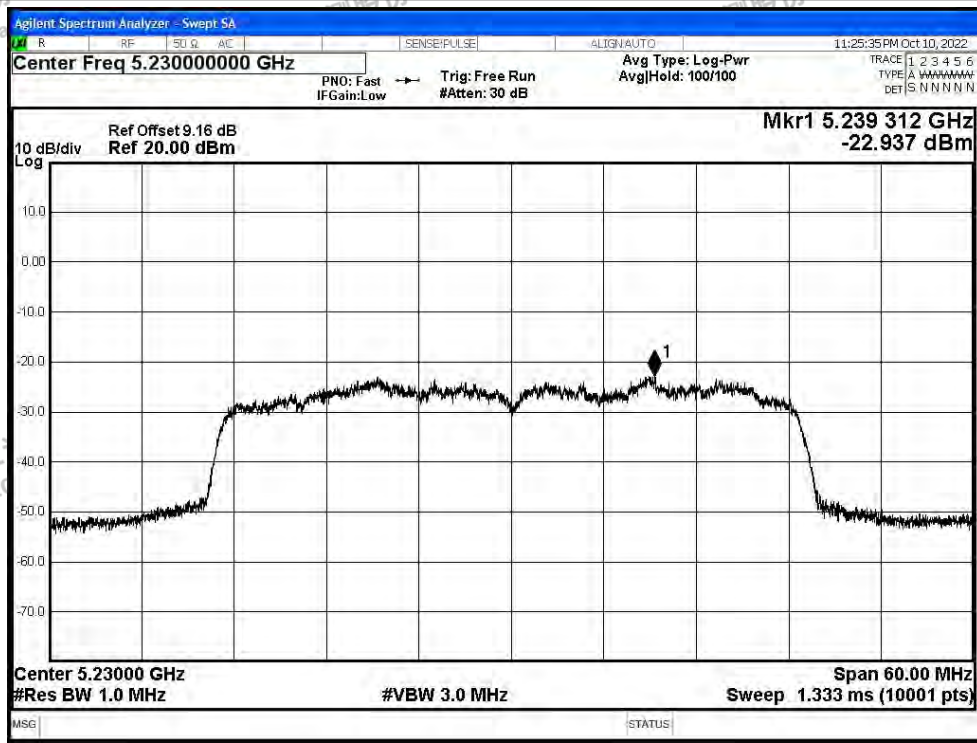




PSD NVNT n40 5190MHz Ant1



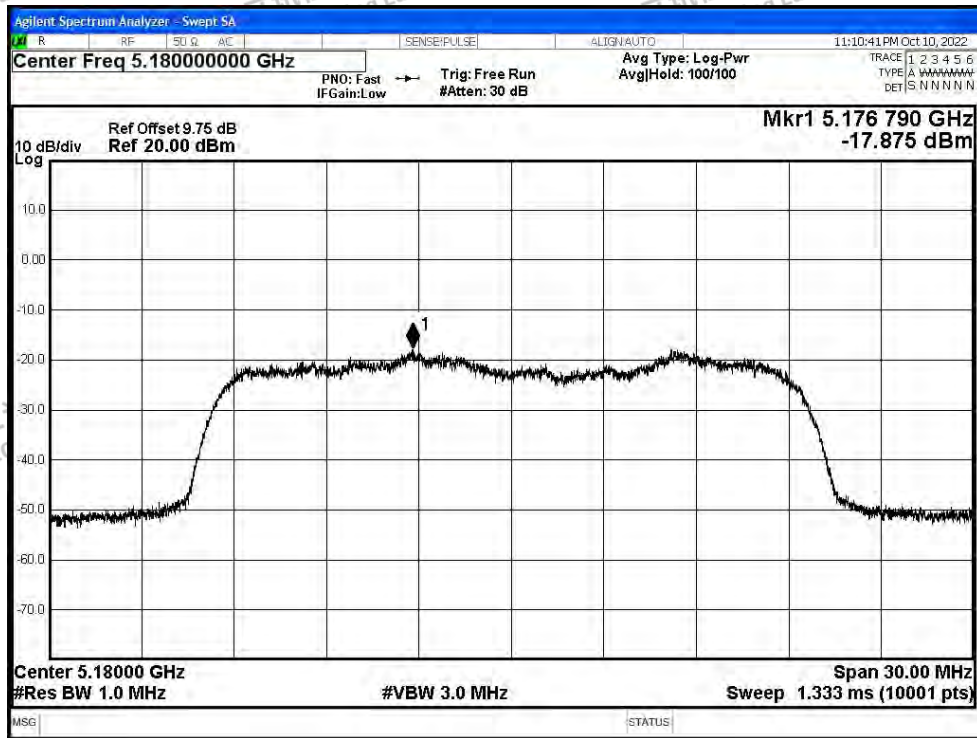
PSD NVNT n40 5230MHz Ant1



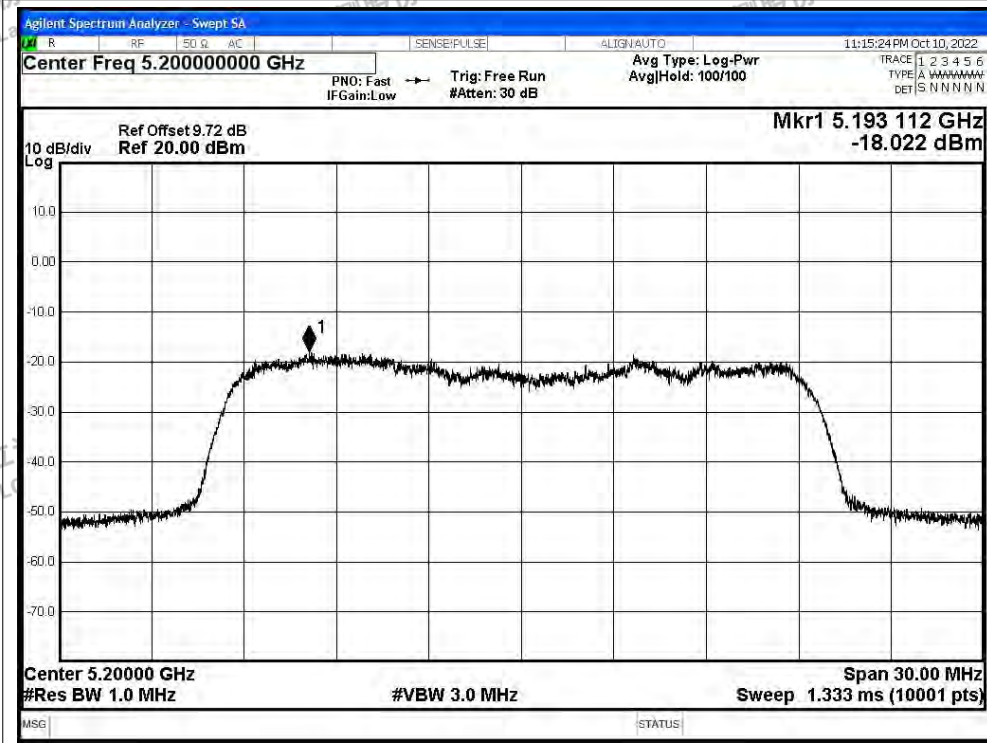




PSD NVNT ac20 5180MHz Ant1

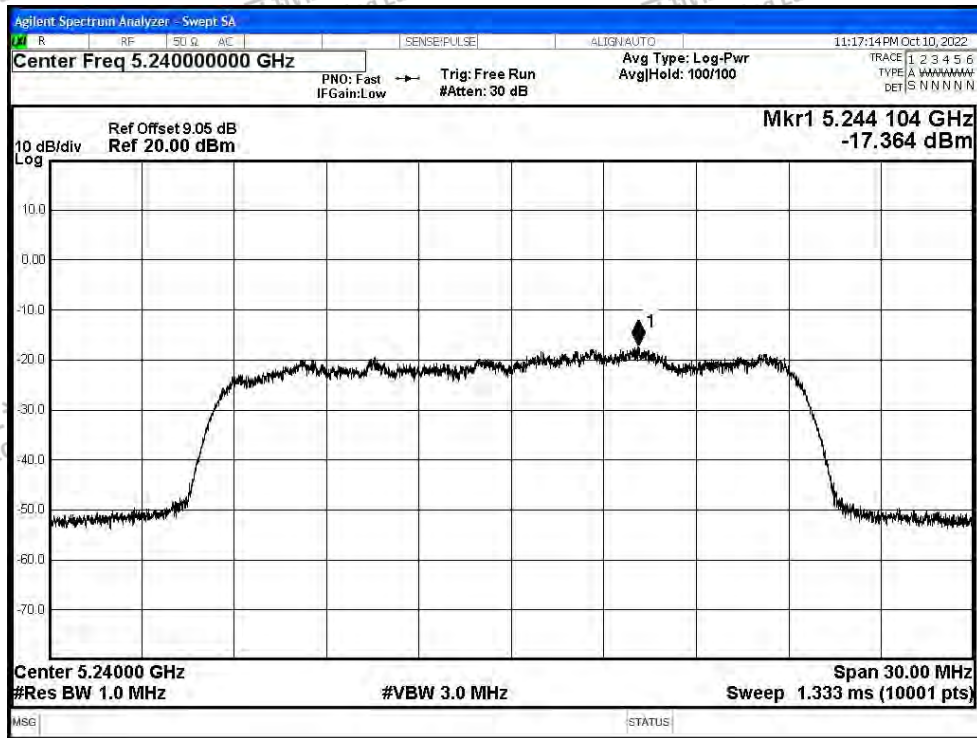


PSD NVNT ac20 5200MHz Ant1

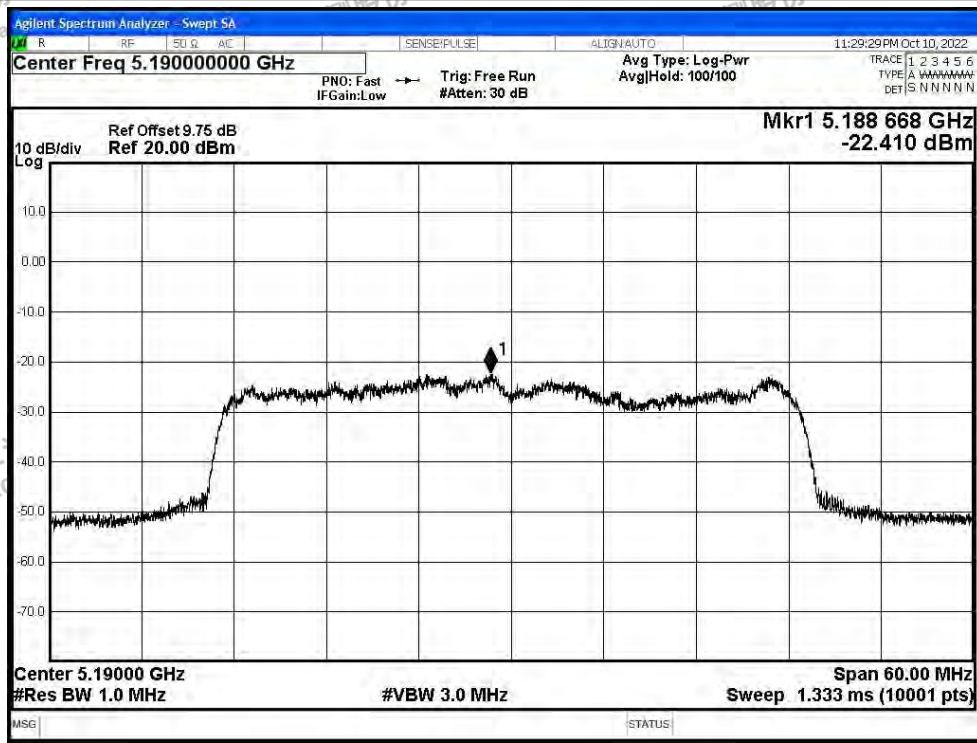


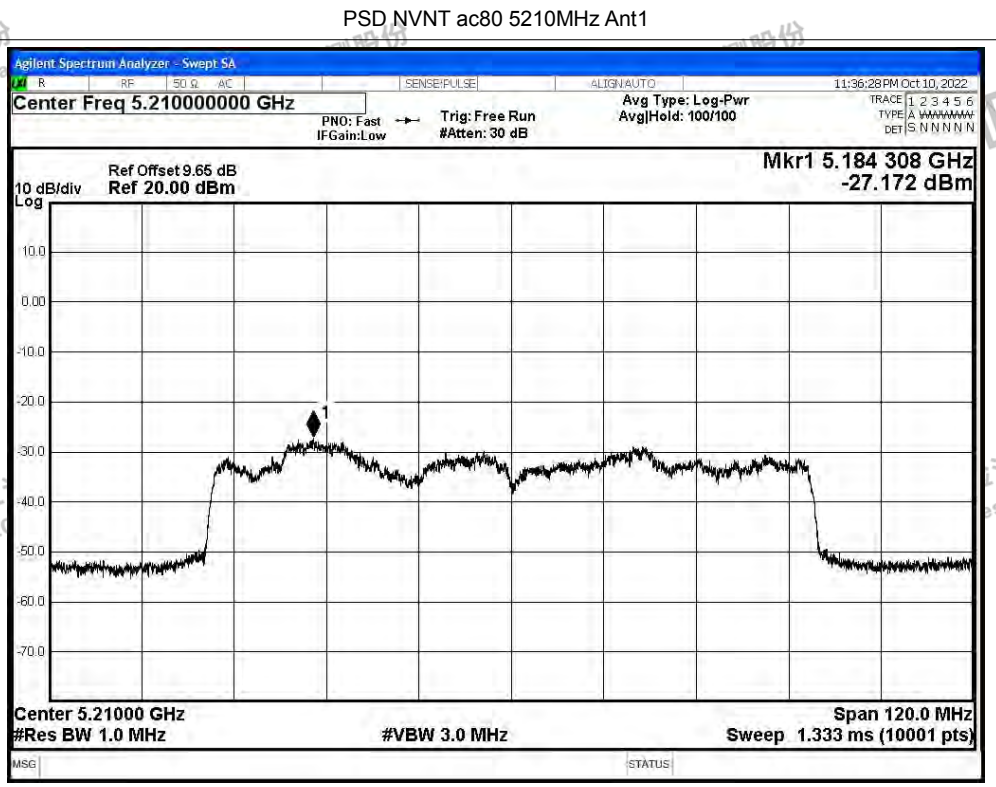
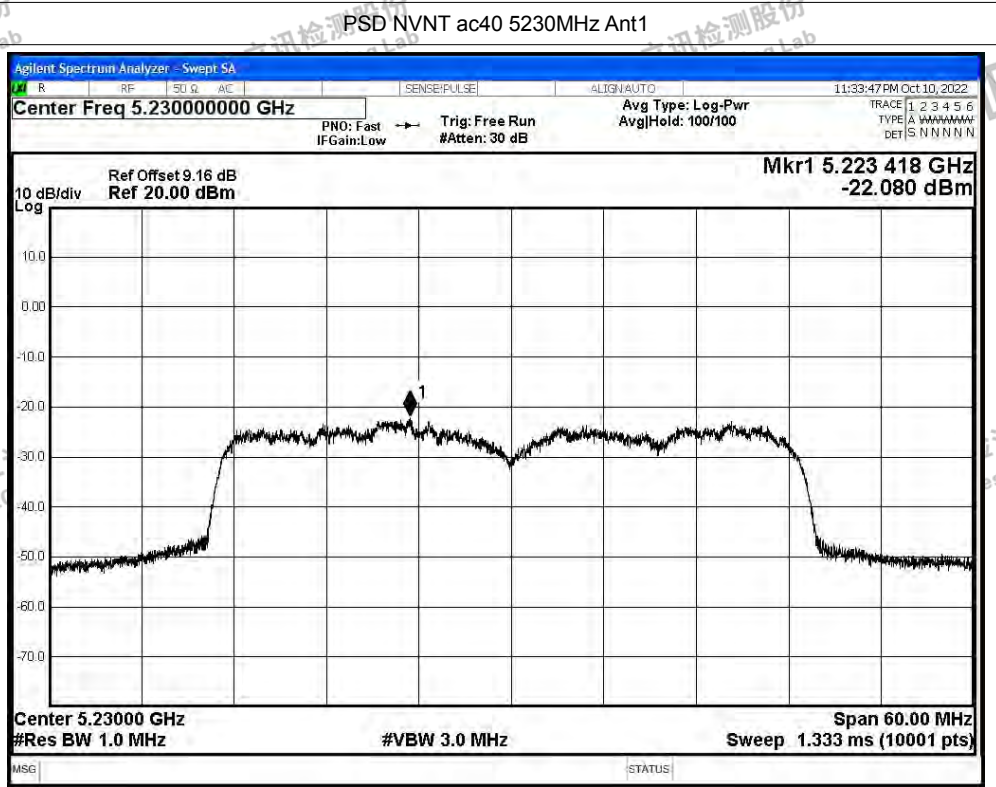


PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1







### B.4 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	4500	-42.97	4.56	56.82	Peak	68.2	Pass
NVNT	a	5180	4500	-53.55	4.56	46.24	Average	54	Pass
NVNT	a	5180	5090.8	-40.14	4.56	59.65	Peak	68.2	Pass
NVNT	a	5180	5149.6	-51.33	4.56	48.46	Average	54	Pass
NVNT	a	5180	5150	-40.91	4.56	58.88	Peak	68.2	Pass
NVNT	a	5180	5150	-51.43	4.56	48.36	Average	54	Pass
NVNT	a	5240	5350	-44.36	4.56	55.43	Peak	68.2	Pass
NVNT	a	5240	5350	-53.41	4.56	46.38	Average	54	Pass
NVNT	a	5240	5386.8	-40.76	4.56	59.03	Peak	68.2	Pass
NVNT	a	5240	5395.44	-52.49	4.56	47.30	Average	54	Pass
NVNT	a	5240	5460	-43.6	4.56	56.19	Peak	68.2	Pass
NVNT	a	5240	5460	-53.27	4.56	46.52	Average	54	Pass
NVNT	n20	n20-MIMO	4500	-46.08	7.54	56.69	Peak	68.2	Pass
NVNT	n20	n20-MIMO	4500	-56.41	7.54	46.36	Average	54	Pass
NVNT	n20	n20-MIMO	5132.8	-42.24	7.54	60.53	Peak	68.2	Pass
NVNT	n20	n20-MIMO	5139.1	-53.26	7.54	49.51	Average	54	Pass
NVNT	n20	n20-MIMO	5150	-44.27	7.54	58.5	Peak	68.2	Pass
NVNT	n20	n20-MIMO	5150	-53.27	7.54	49.5	Average	54	Pass
NVNT	n20	n20-MIMO	5350	-45.56	7.54	57.21	Peak	68.2	Pass
NVNT	n20	n20-MIMO	5350	-55.64	7.54	47.13	Average	54	Pass
NVNT	n20	n20-MIMO	5442.96	-43.42	7.54	59.35	Peak	68.2	Pass
NVNT	n20	n20-MIMO	5353.68	-55.29	7.54	47.48	Average	54	Pass
NVNT	n20	n20-MIMO	5460	-45.66	7.54	57.11	Peak	68.2	Pass
NVNT	n20	n20-MIMO	5460	-56.02	7.54	46.75	Average	54	Pass
NVNT	n40	n40-MIMO	4500	-45.48	7.54	57.29	Peak	68.2	Pass
NVNT	n40	n40-MIMO	4500	-56.05	7.54	46.72	Average	54	Pass
NVNT	n40	n40-MIMO	5130.72	-41.22	7.54	61.55	Peak	68.2	Pass
NVNT	n40	n40-MIMO	5146.05	-52.45	7.54	50.32	Average	54	Pass
NVNT	n40	n40-MIMO	5150	-43.59	7.54	59.18	Peak	68.2	Pass
NVNT	n40	n40-MIMO	5150	-52.62	7.54	50.15	Average	54	Pass
NVNT	n40	n40-MIMO	5350	-47.26	7.54	55.51	Peak	68.2	Pass
NVNT	n40	n40-MIMO	5350	-55.19	7.54	47.58	Average	54	Pass
NVNT	n40	n40-MIMO	5433.27	-43.08	7.54	59.69	Peak	68.2	Pass
NVNT	n40	n40-MIMO	5352.27	-55.04	7.54	47.73	Average	54	Pass
NVNT	n40	n40-MIMO	5460	-45.65	7.54	57.12	Peak	68.2	Pass
NVNT	n40	n40-MIMO	5460	-55.73	7.54	47.04	Average	54	Pass
NVNT	ac20	ac20-MIMO	4500	-46.06	7.54	56.71	Peak	68.2	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



NVNT	ac20	ac20-MIMO	4500	-56.15	7.54	46.62	Average	54	Pass
NVNT	ac20	ac20-MIMO	5085.2	-41.56	7.54	61.21	Peak	68.2	Pass
NVNT	ac20	ac20-MIMO	5139.1	-53.28	7.54	49.49	Average	54	Pass
NVNT	ac20	ac20-MIMO	5150	-42.31	7.54	60.46	Peak	68.2	Pass
NVNT	ac20	ac20-MIMO	5150	-53.37	7.54	49.4	Average	54	Pass
NVNT	ac20	ac20-MIMO	5350	-45.34	7.54	57.43	Peak	68.2	Pass
NVNT	ac20	ac20-MIMO	5350	-55.42	7.54	47.35	Average	54	Pass
NVNT	ac20	ac20-MIMO	5403.36	-42.75	7.54	60.02	Peak	68.2	Pass
NVNT	ac20	ac20-MIMO	5404.32	-55.32	7.54	47.45	Average	54	Pass
NVNT	ac20	ac20-MIMO	5460	-46.57	7.54	56.2	Peak	68.2	Pass
NVNT	ac20	ac20-MIMO	5460	-56.06	7.54	46.71	Average	54	Pass
NVNT	ac40	ac40-MIMO	4500	-47.31	7.54	55.46	Peak	68.2	Pass
NVNT	ac40	ac40-MIMO	4500	-56.22	7.54	46.55	Average	54	Pass
NVNT	ac40	ac40-MIMO	5095.68	-41.46	7.54	61.31	Peak	68.2	Pass
NVNT	ac40	ac40-MIMO	5148.97	-52.54	7.54	50.23	Average	54	Pass
NVNT	ac40	ac40-MIMO	5150	-42.94	7.54	59.83	Peak	68.2	Pass
NVNT	ac40	ac40-MIMO	5150	-52.6	7.54	50.17	Average	54	Pass
NVNT	ac40	ac40-MIMO	5350	-46.48	7.54	56.29	Peak	68.2	Pass
NVNT	ac40	ac40-MIMO	5350	-55.04	7.54	47.73	Average	54	Pass
NVNT	ac40	ac40-MIMO	5453.25	-42.21	7.54	60.56	Peak	68.2	Pass
NVNT	ac40	ac40-MIMO	5351.73	-54.8	7.54	47.97	Average	54	Pass
NVNT	ac40	ac40-MIMO	5460	-45.98	7.54	56.79	Peak	68.2	Pass
NVNT	ac40	ac40-MIMO	5460	-55.59	7.54	47.18	Average	54	Pass
NVNT	ac80	ac80-MIMO	5350	-45.96	7.54	56.81	Peak	68.2	Pass
NVNT	ac80	ac80-MIMO	5350	-54.74	7.54	48.03	Average	54	Pass
NVNT	ac80	ac80-MIMO	5440.53	-42.49	7.54	60.28	Peak	68.2	Pass
NVNT	ac80	ac80-MIMO	5370.9	-53.99	7.54	48.78	Average	54	Pass
NVNT	ac80	ac80-MIMO	5460	-45.75	7.54	57.02	Peak	68.2	Pass
NVNT	ac80	ac80-MIMO	5460	-55.32	7.54	47.45	Average	54	Pass
NVNT	ac80	ac80-MIMO	4500	-47.11	7.54	55.66	Peak	68.2	Pass
NVNT	ac80	ac80-MIMO	4500	-56.08	7.54	46.69	Average	54	Pass
NVNT	ac80	ac80-MIMO	5137.53	-40.15	7.54	62.62	Peak	68.2	Pass
NVNT	ac80	ac80-MIMO	5149.38	-50.97	7.54	51.8	Average	54	Pass
NVNT	ac80	ac80-MIMO	5150	-41.42	7.54	61.35	Peak	68.2	Pass
NVNT	ac80	ac80-MIMO	5150	-51.02	7.54	51.75	Average	54	Pass

Note: 802.11a mode, only show the worst set of antenna data.

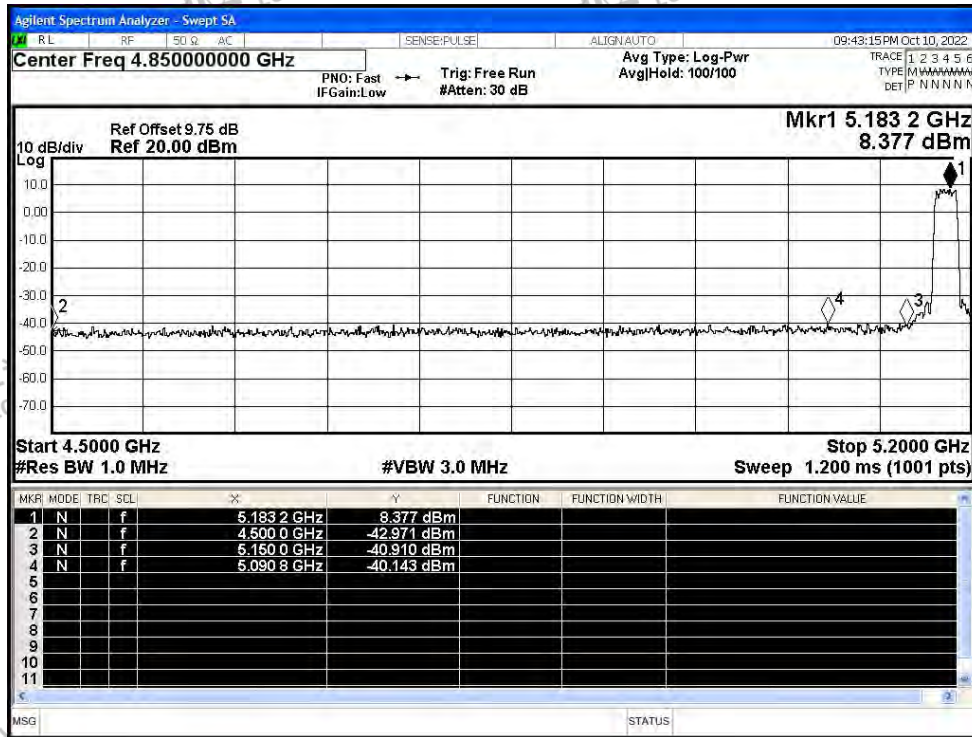


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

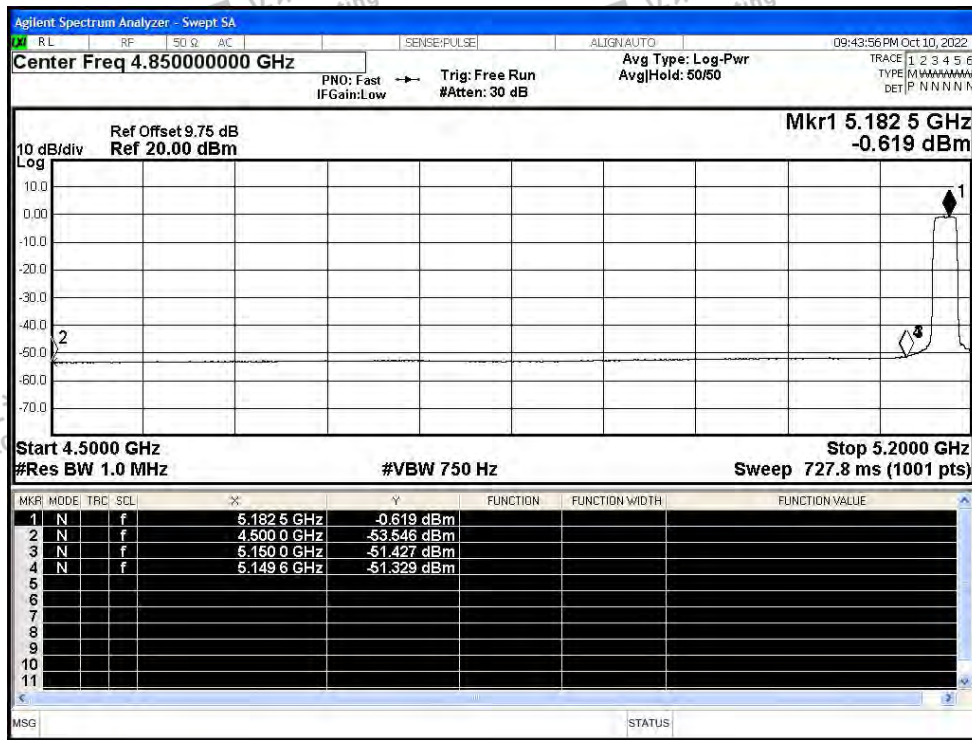


Test Graphs

Restrict Band NVNT a 5180MHz Peak

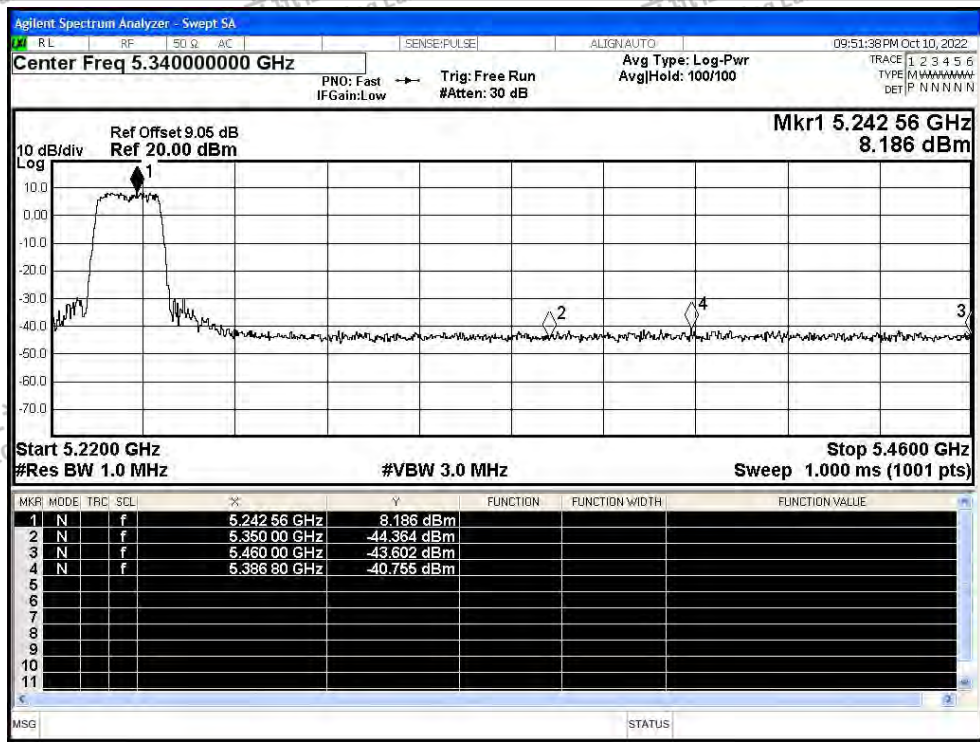


Restrict Band NVNT a 5180MHz Average

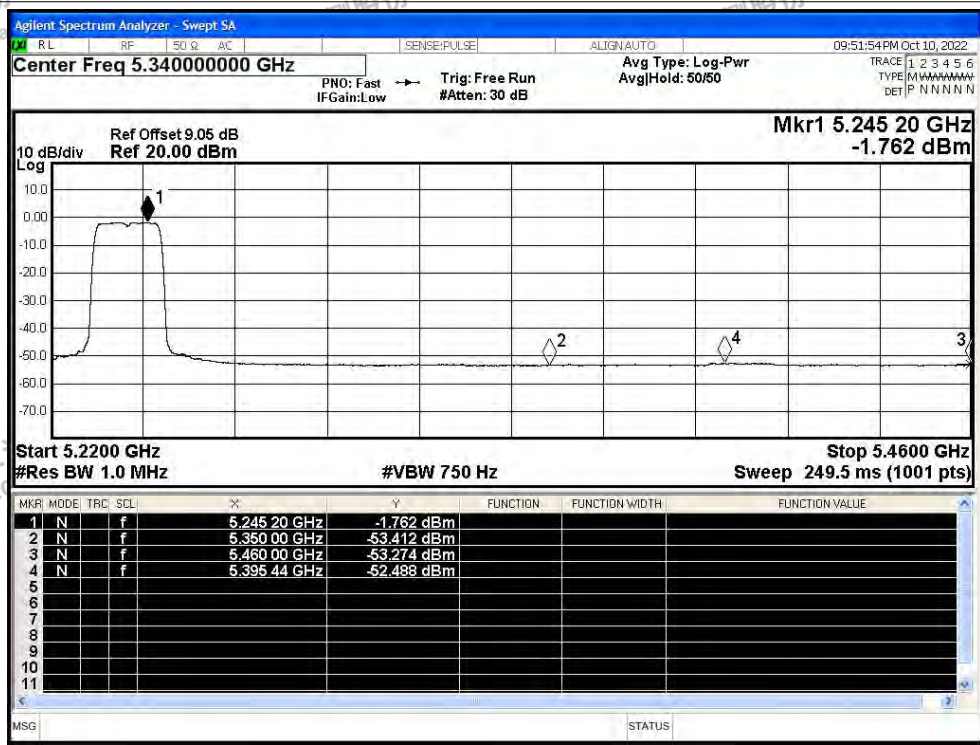




Restrict Band NVNT a 5240MHz Peak

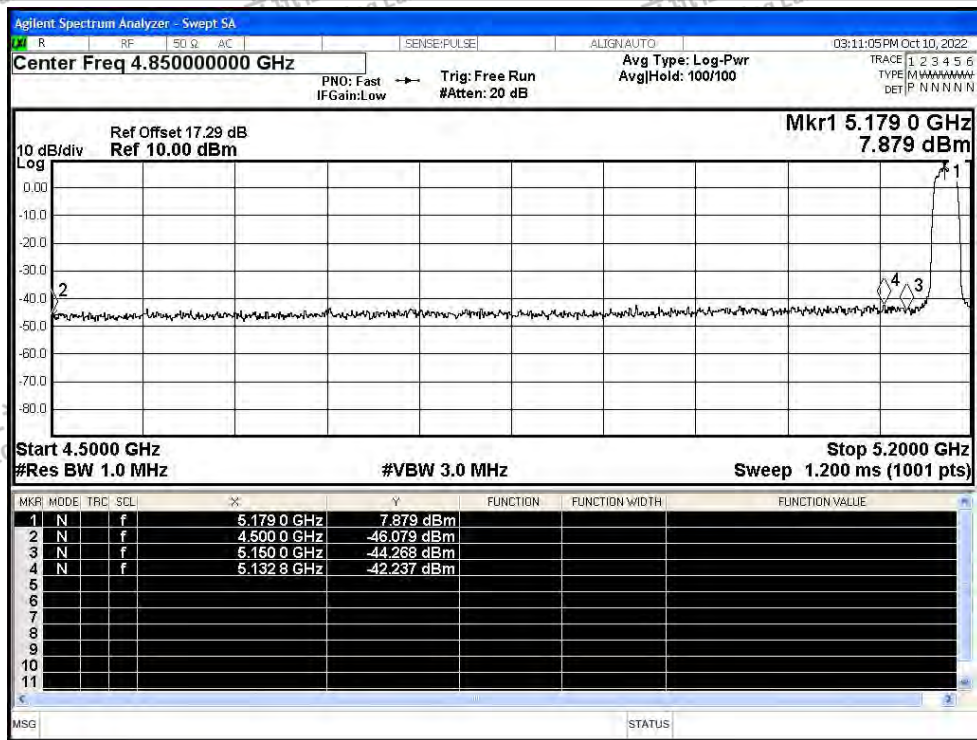


Restrict Band NVNT a 5240MHz Average

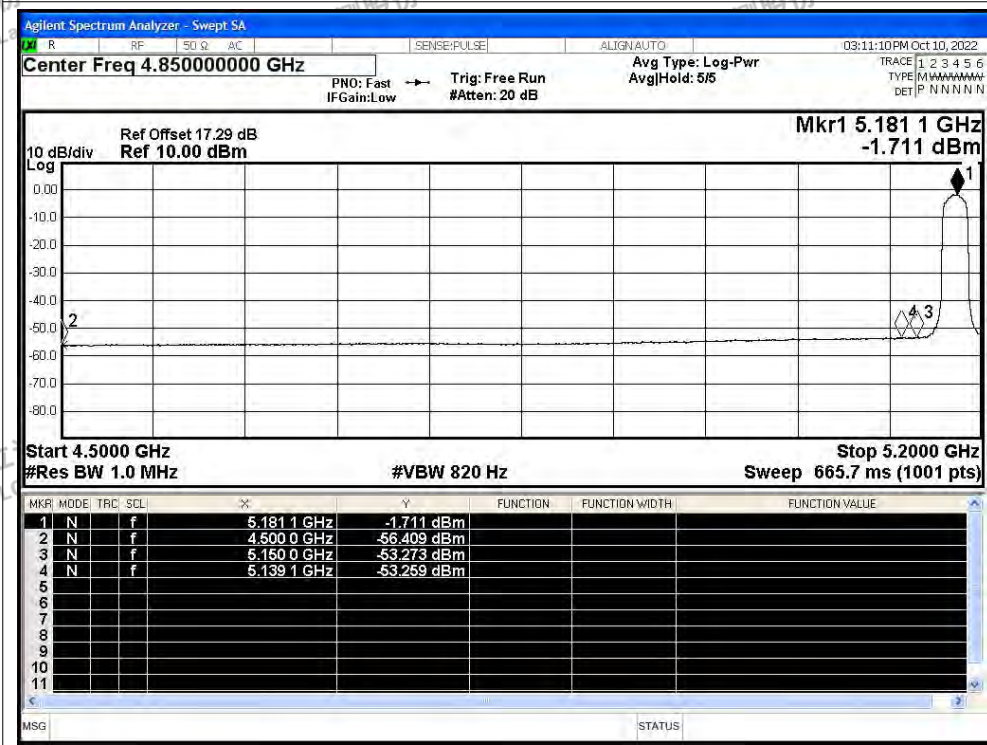




Restrict Band NVNT n20-MIMO 5180MHz Ant1 Peak



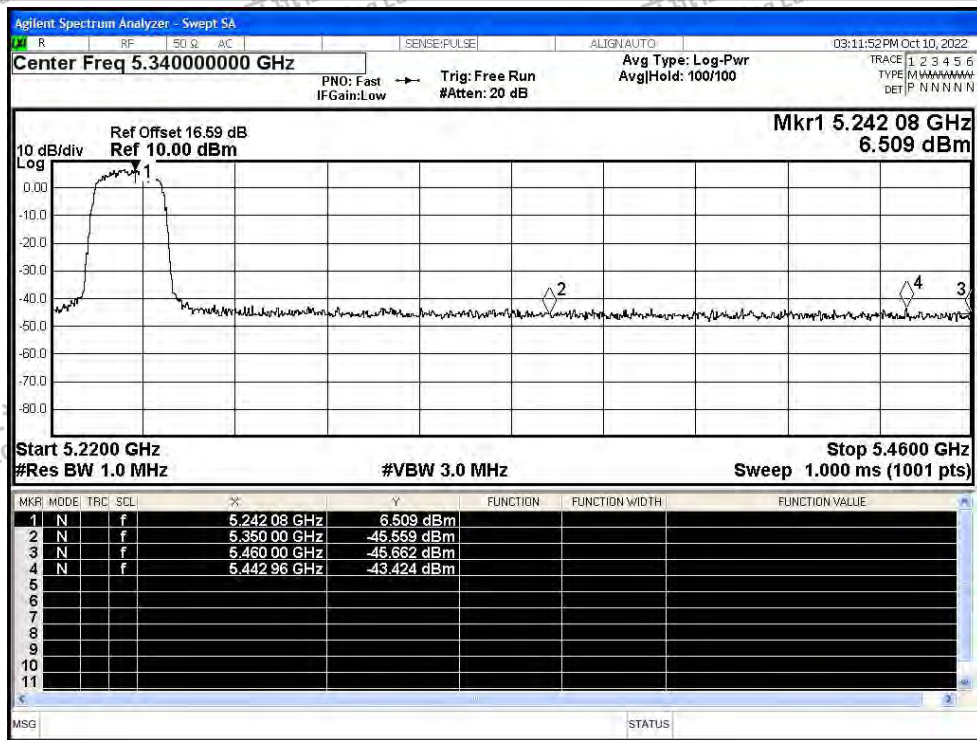
Restrict Band NVNT n20-MIMO 5180MHz Ant1 Average



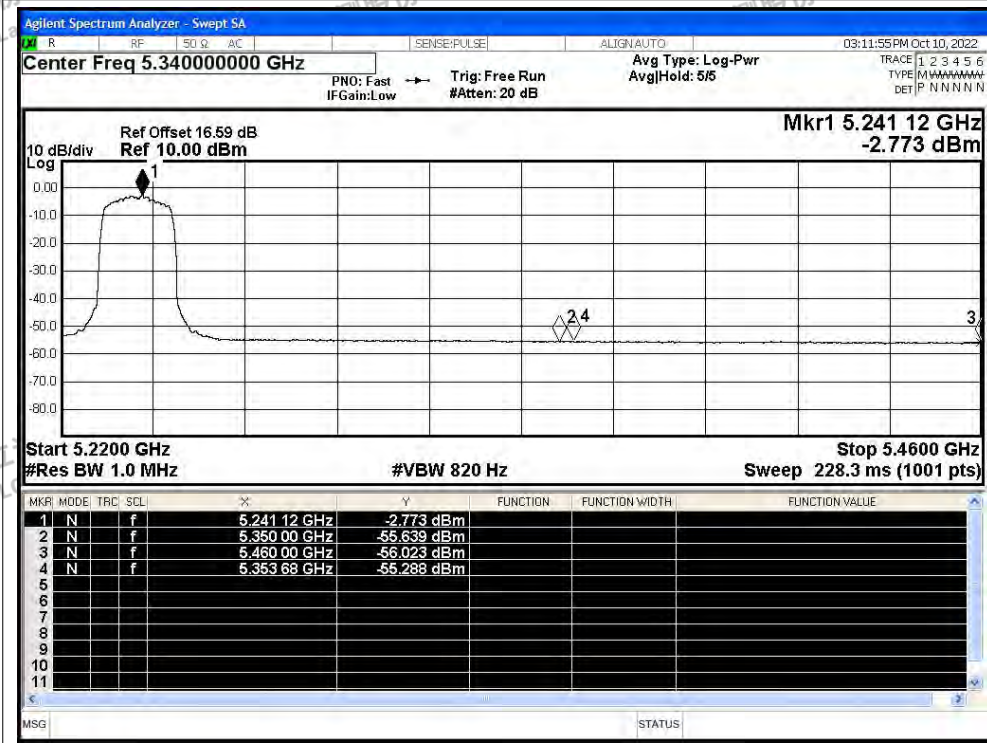




Restrict Band NVNT n20-MIMO 5240MHz Ant1 Peak

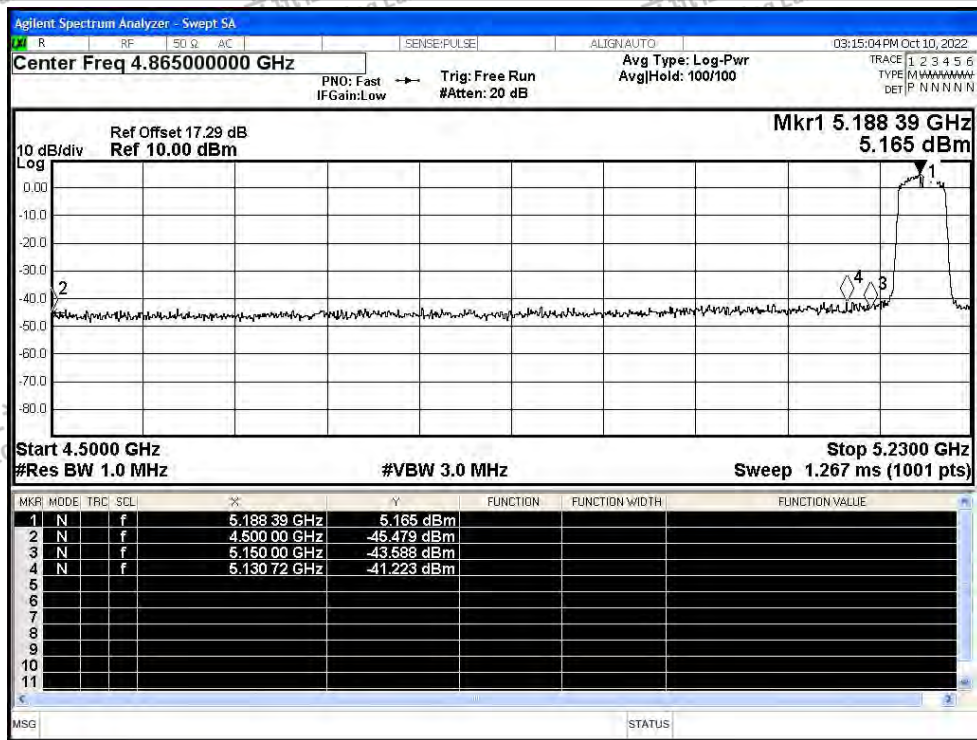


Restrict Band NVNT n20-MIMO 5240MHz Ant1 Average

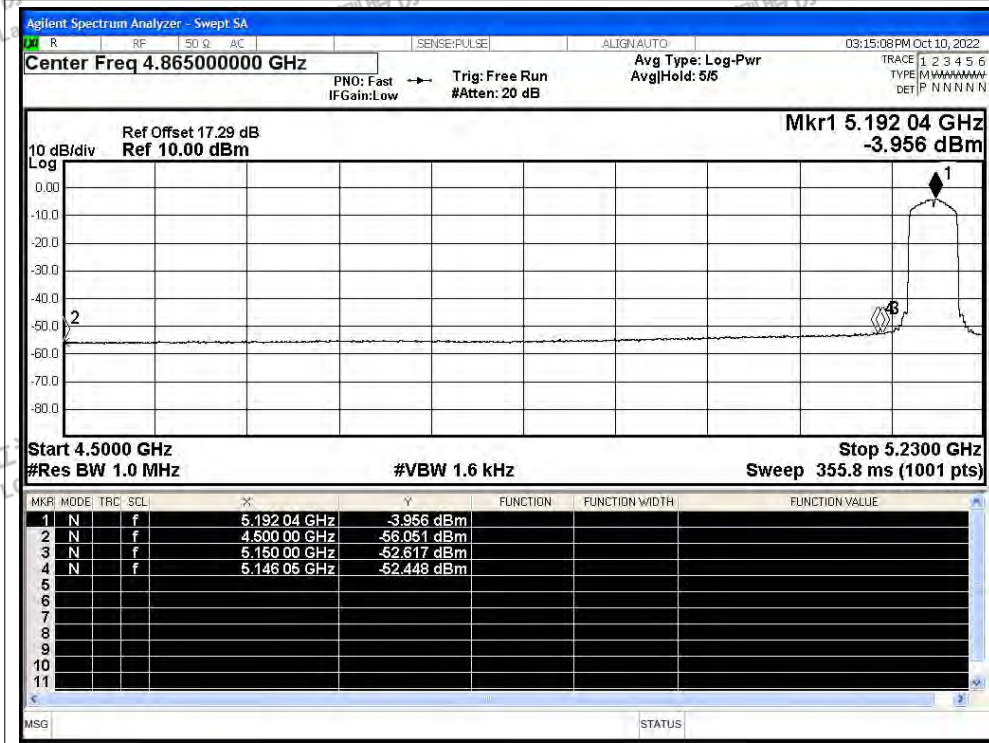




Restrict Band NVNT n40-MIMO 5190MHz Ant1 Peak

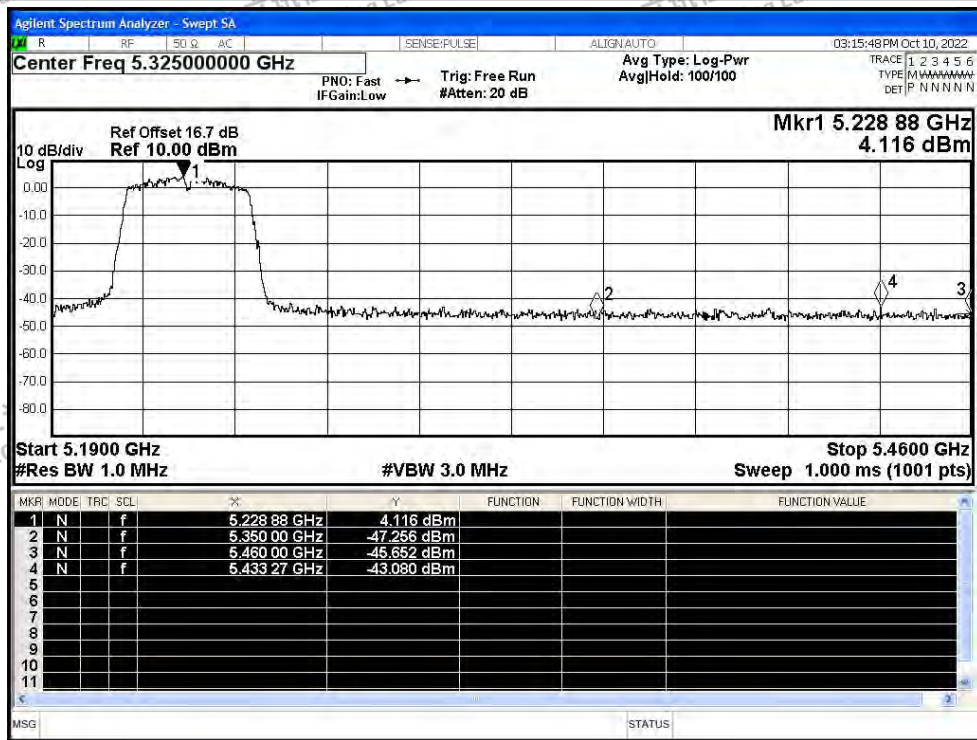


Restrict Band NVNT n40-MIMO 5190MHz Ant1 Average

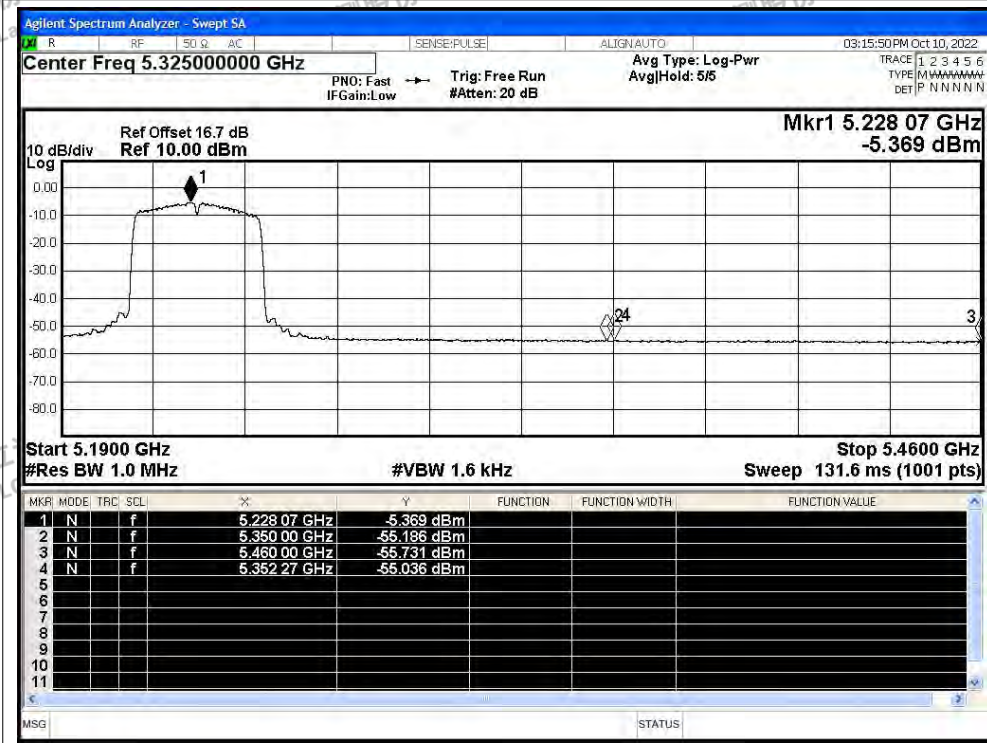




Restrict Band NVNT n40-MIMO 5230MHz Ant1 Peak

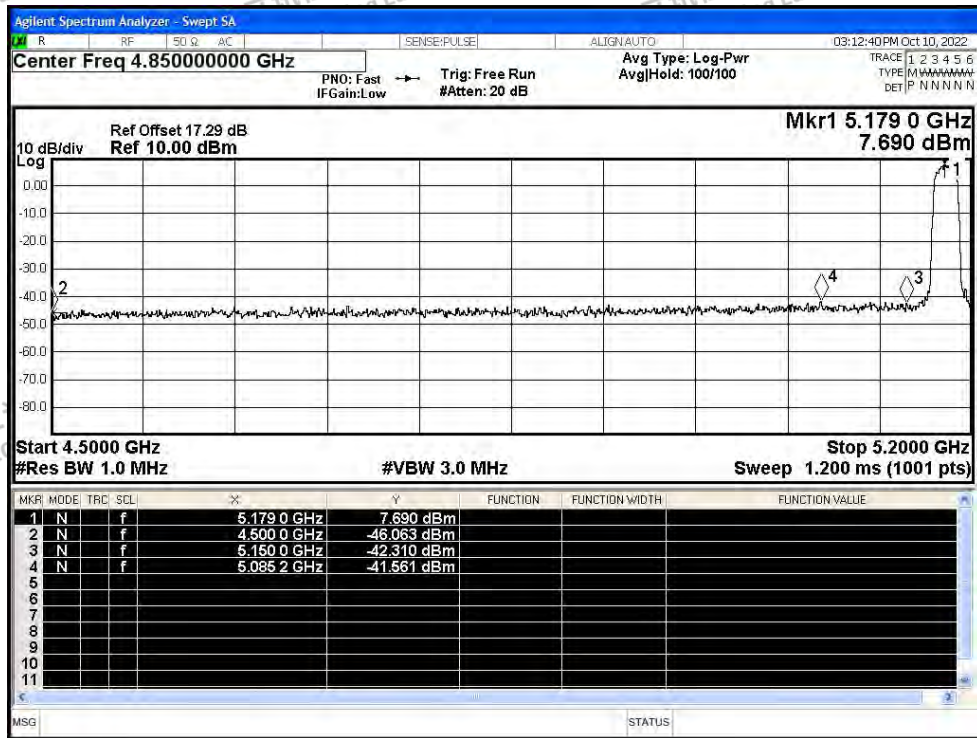


Restrict Band NVNT n40-MIMO 5230MHz Ant1 Average

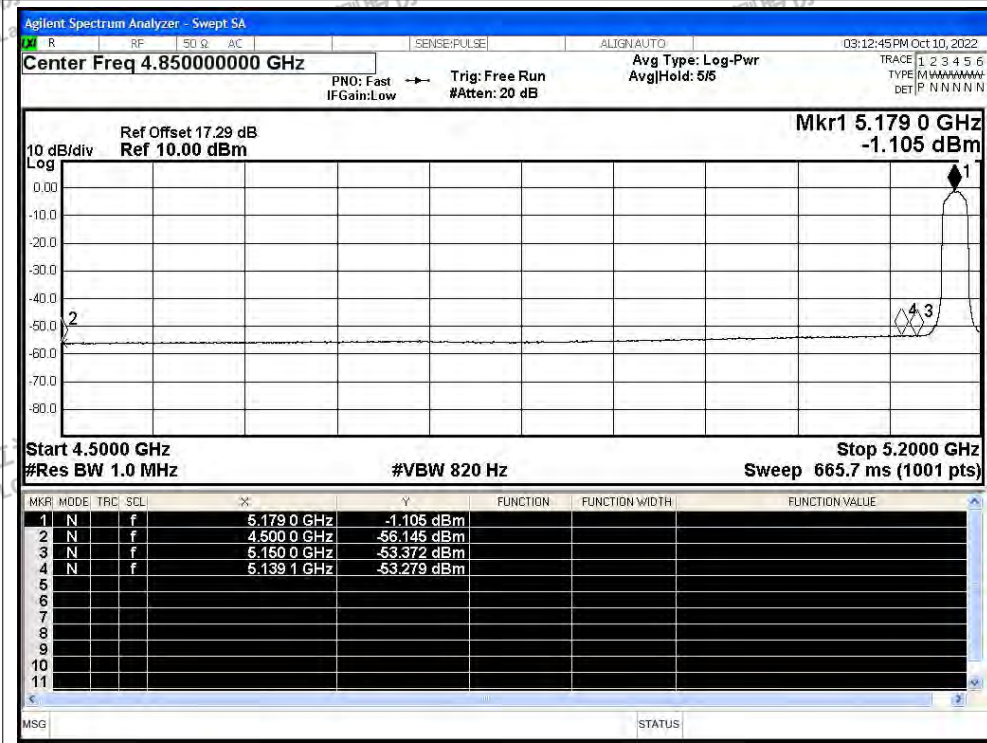




Restrict Band NVNT ac20-MIMO 5180MHz Ant1 Peak

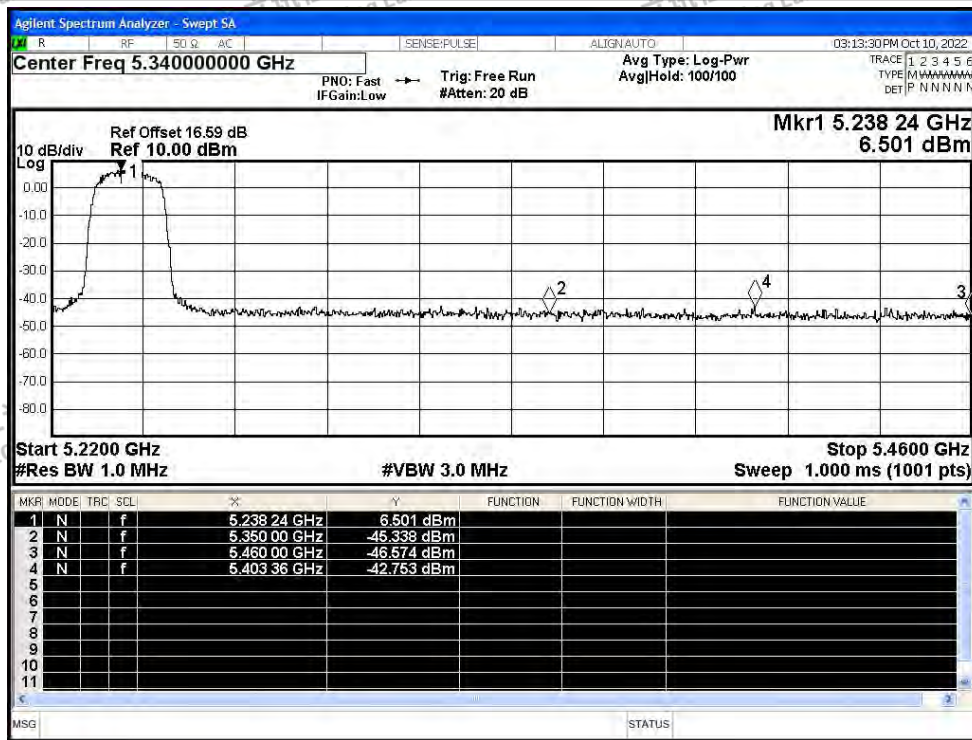


Restrict Band NVNT ac20-MIMO 5180MHz Ant1 Average

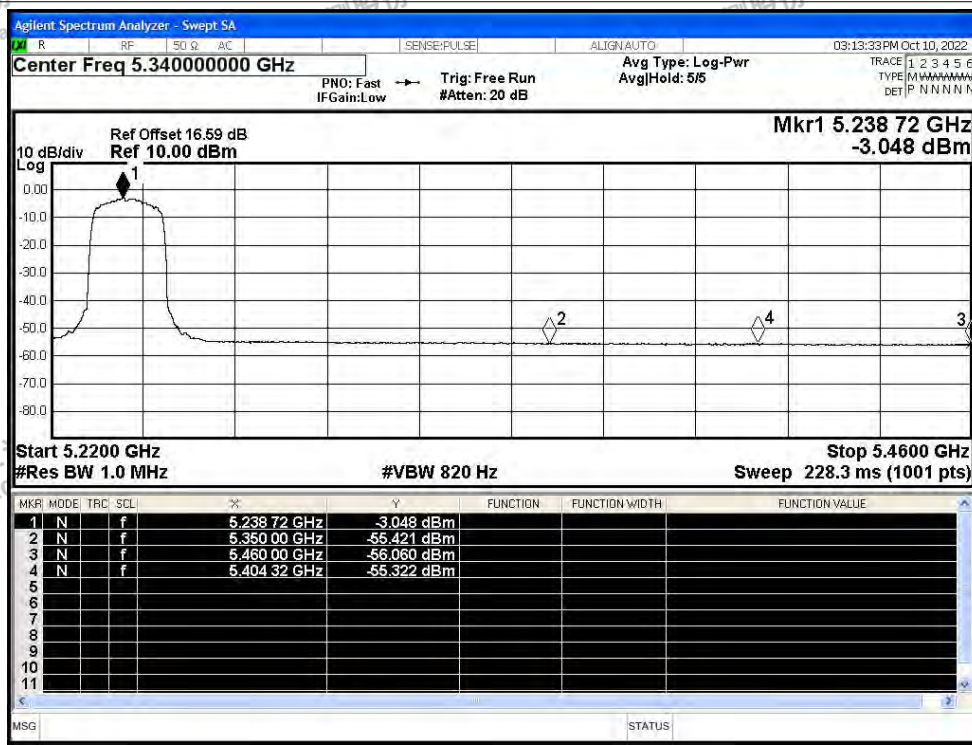




Restrict Band NVNT ac20-MIMO 5240MHz Ant1 Peak

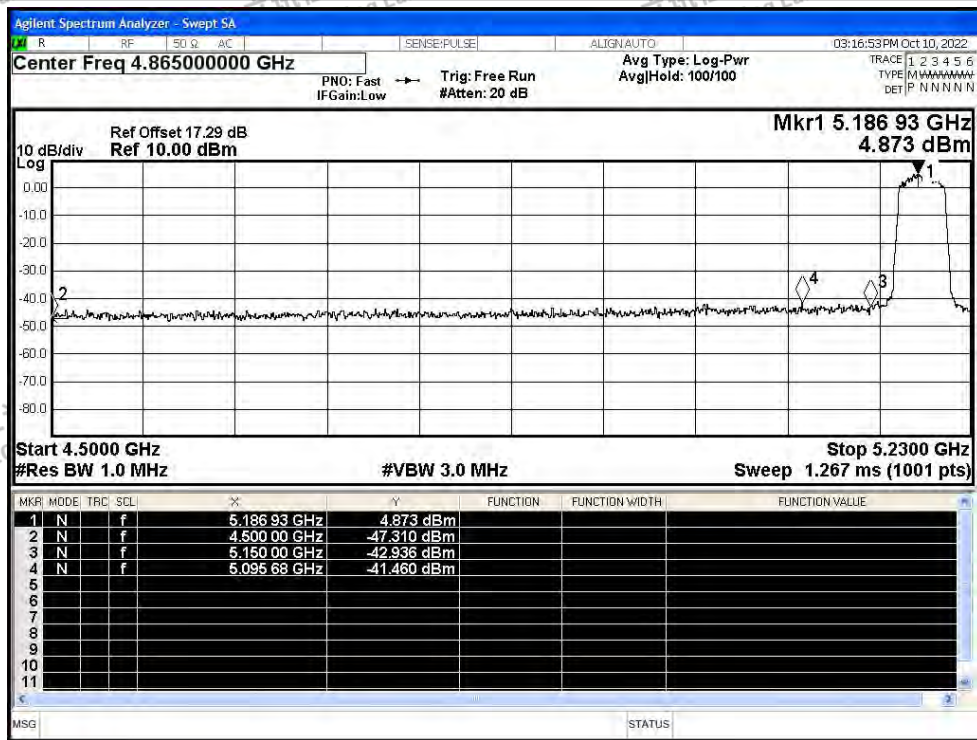


Restrict Band NVNT ac20-MIMO 5240MHz Ant1 Average

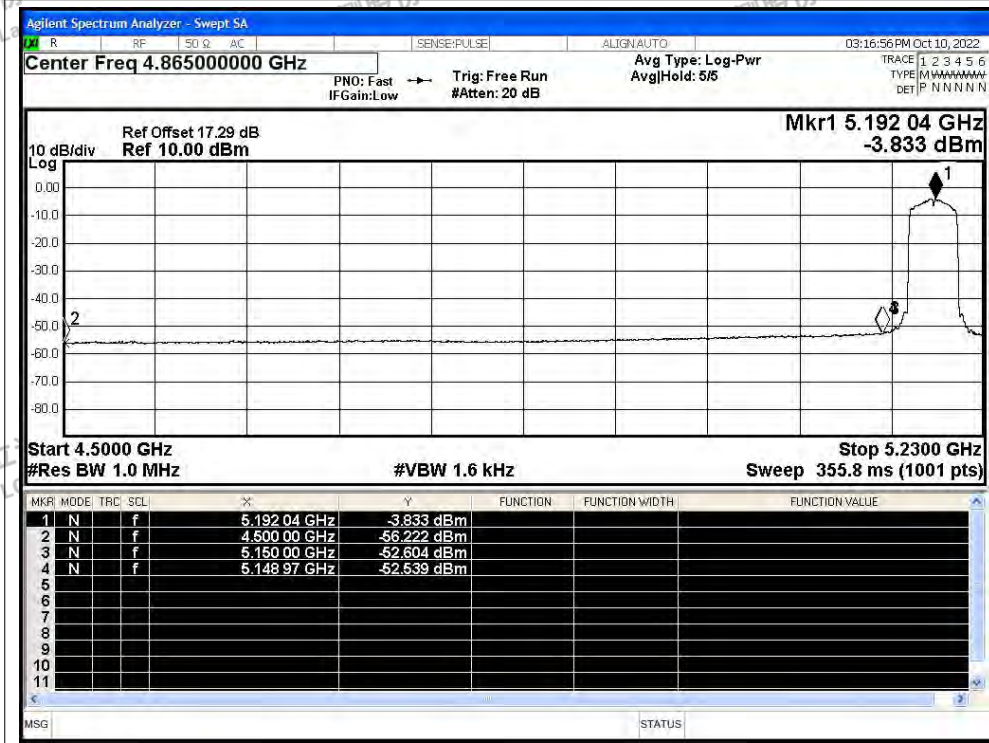




Restrict Band NVNT ac40-MIMO 5190MHz Ant1 Peak

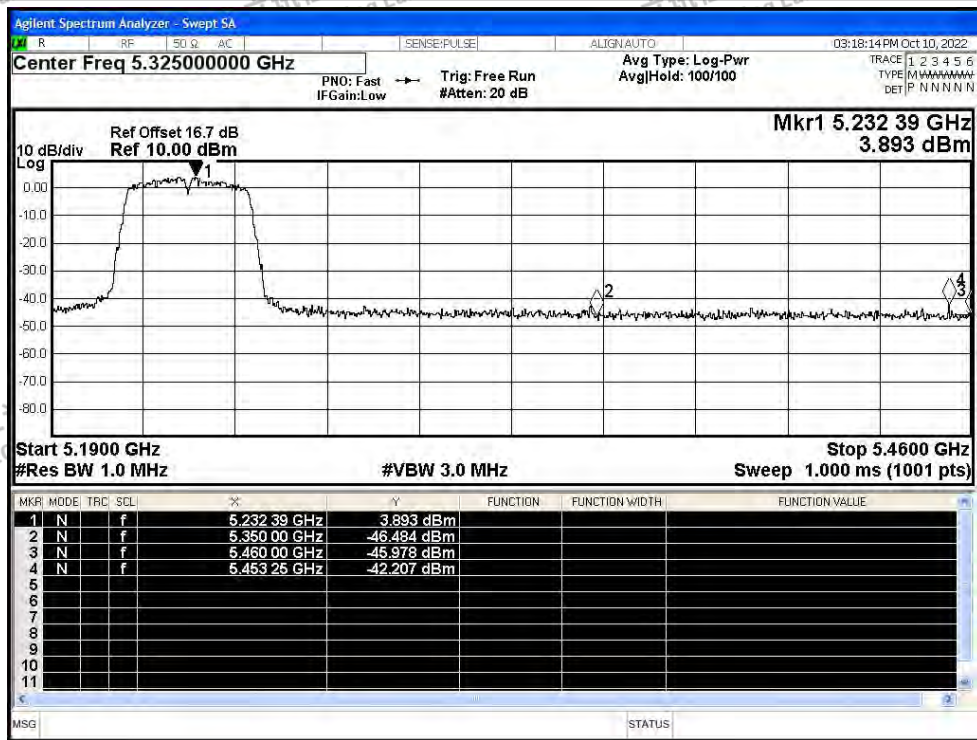


Restrict Band NVNT ac40-MIMO 5190MHz Ant1 Average

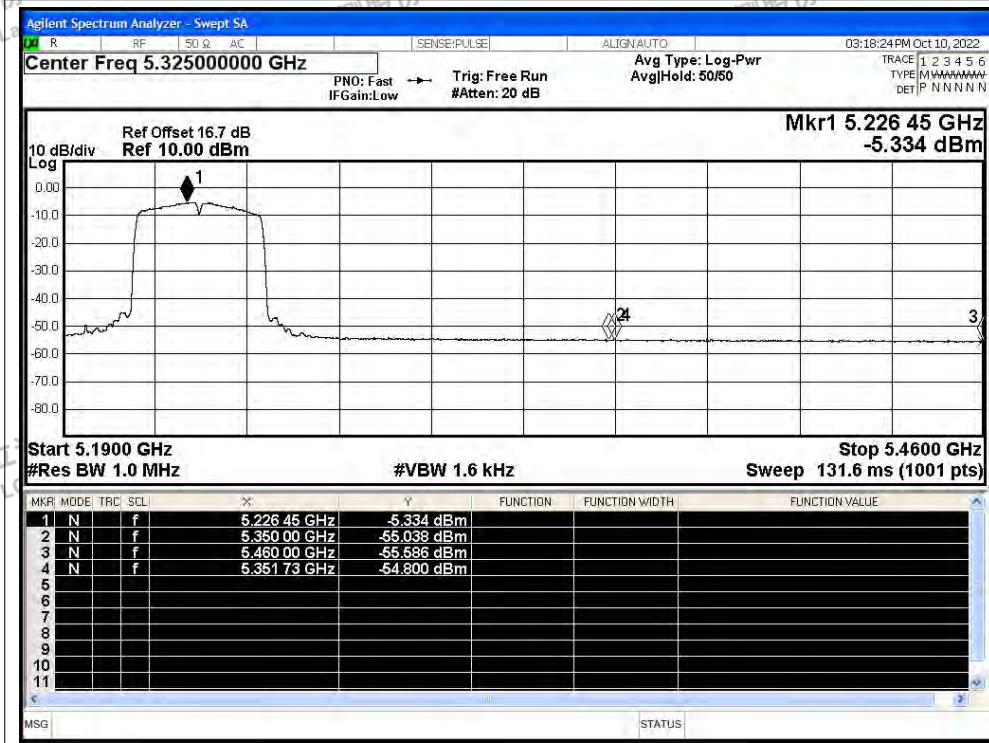




Restrict Band NVNT ac40-MIMO 5230MHz Ant1 Peak

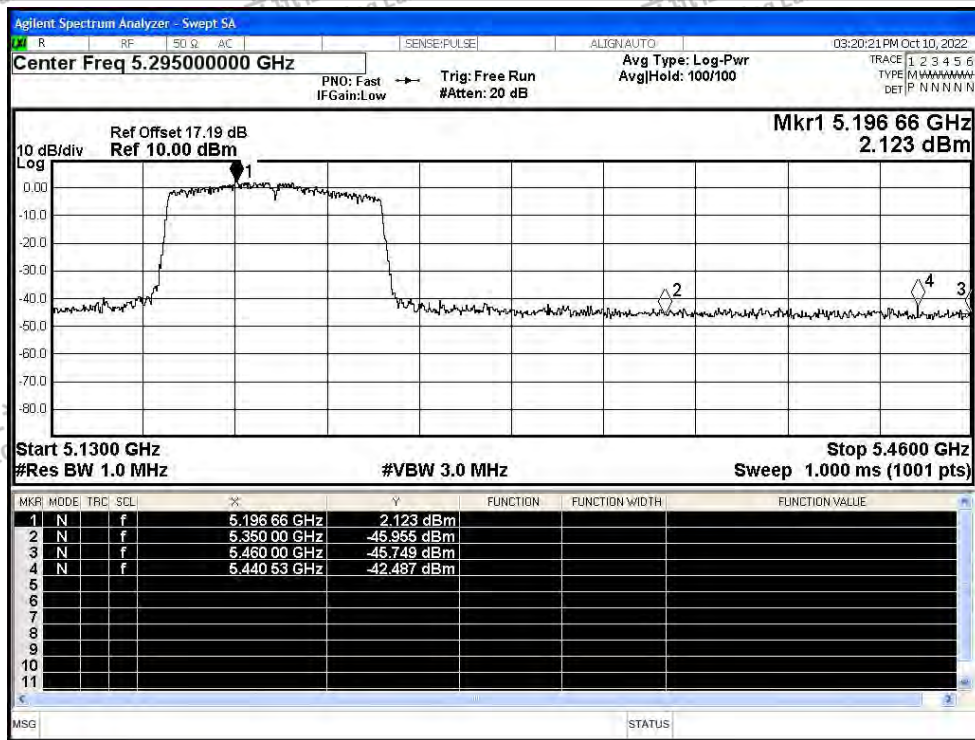


Restrict Band NVNT ac40-MIMO 5230MHz Ant1 Average

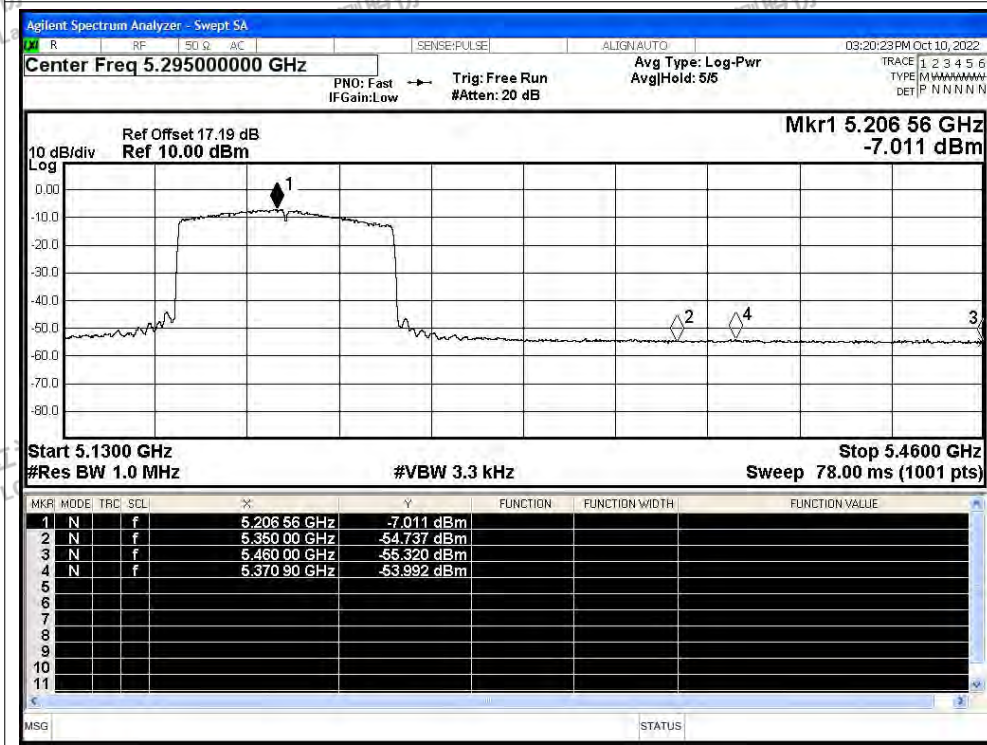




Restrict Band NVNT ac80-MIMO 5210MHz Ant1 Peak



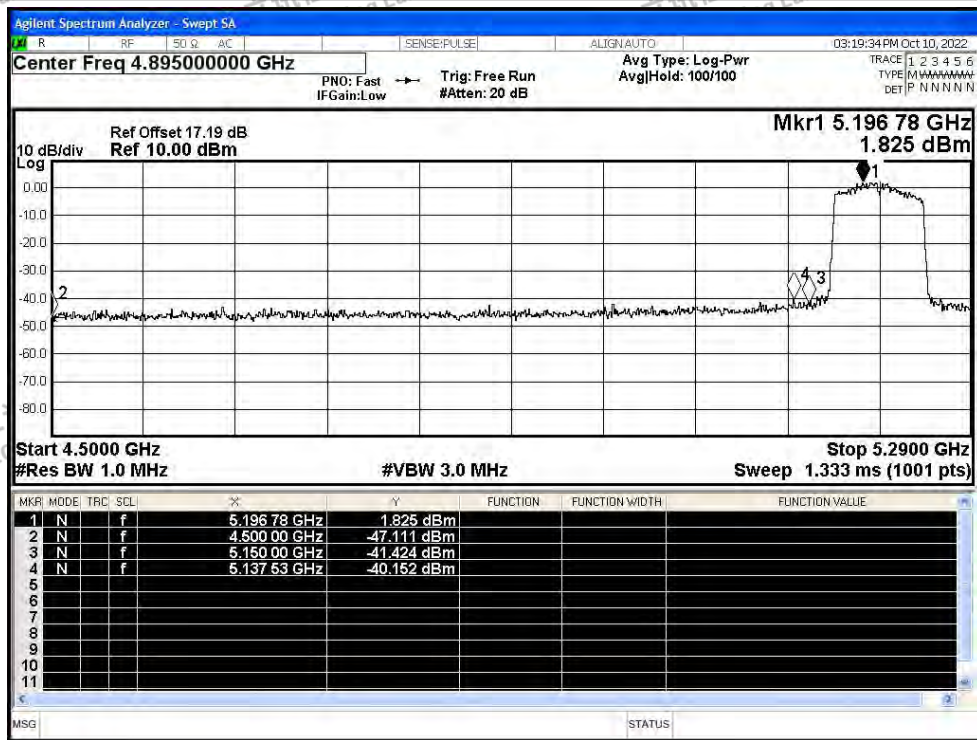
Restrict Band NVNT ac80-MIMO 5210MHz Ant1 Average



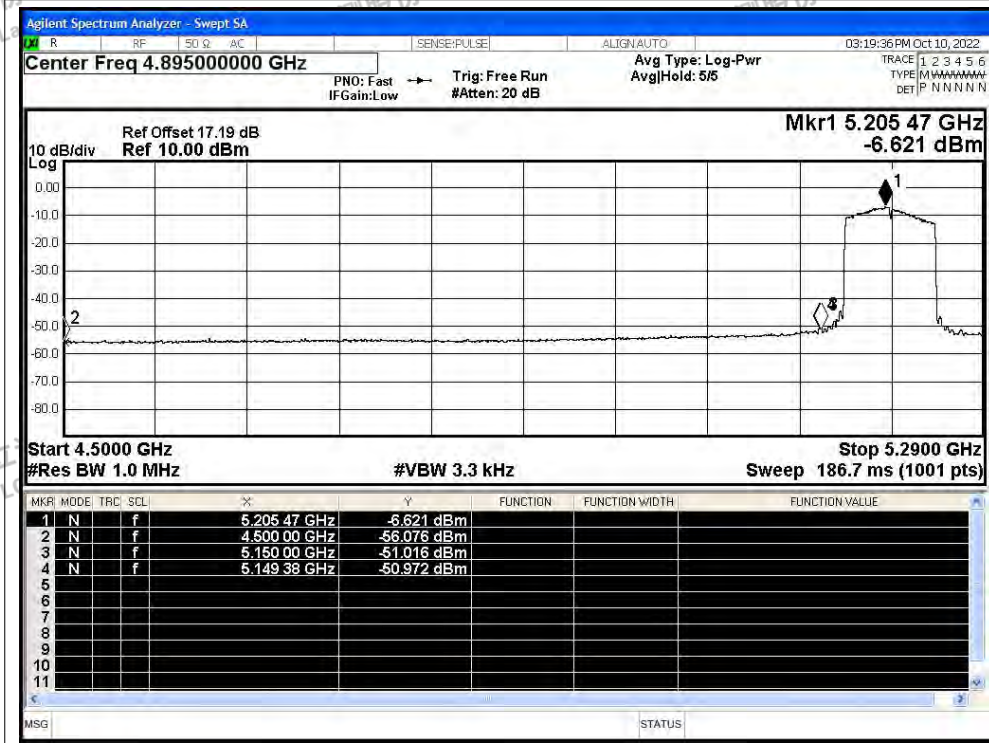




Restrict Band NVNT ac80-MIMO 5210MHz Ant1 Peak



Restrict Band NVNT ac80-MIMO 5210MHz Ant1 Average





### B.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant0	5180	0	0	25	Pass
NVNT	a	5200	Ant0	5200	0	0	25	Pass
NVNT	a	5240	Ant0	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant0	5180	0	0	25	Pass
NVNT	n20	5200	Ant0	5200	0	0	25	Pass
NVNT	n20	5240	Ant0	5240	0	0	25	Pass
NVNT	n40	5190	Ant0	5190	0	0	25	Pass
NVNT	n40	5230	Ant0	5230	0	0	25	Pass
NVNT	ac20	5180	Ant0	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant0	5200	0	0	25	Pass
NVNT	ac20	5240	Ant0	5240	0	0	25	Pass
NVNT	ac40	5190	Ant0	5190	0	0	25	Pass
NVNT	ac40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant0	5209.92	-80000	-15.36	25	Pass

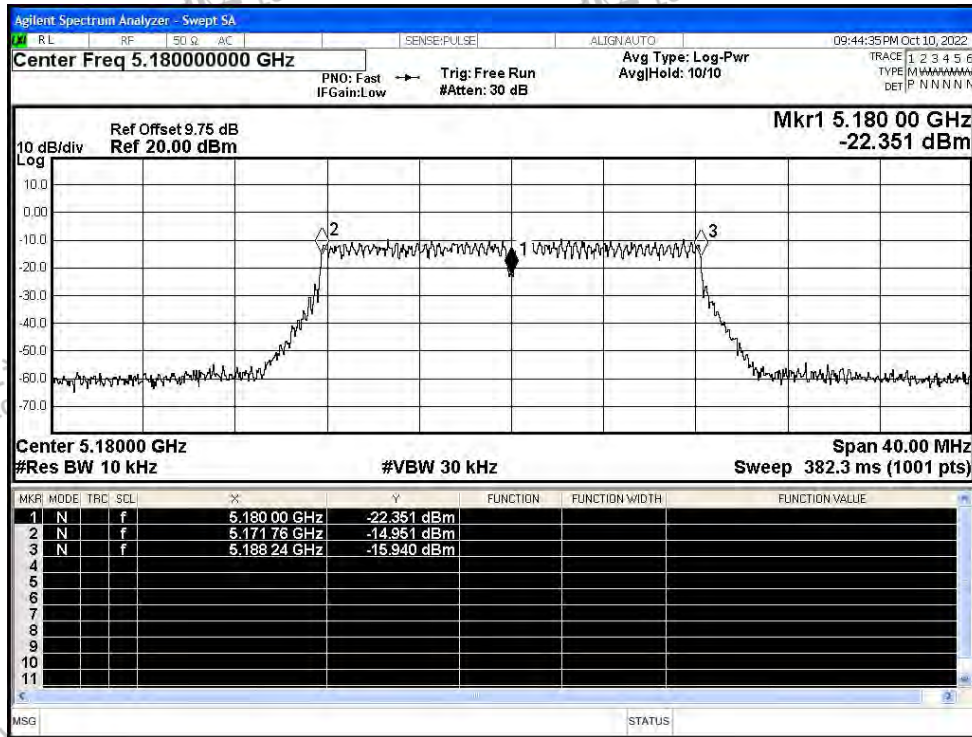


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

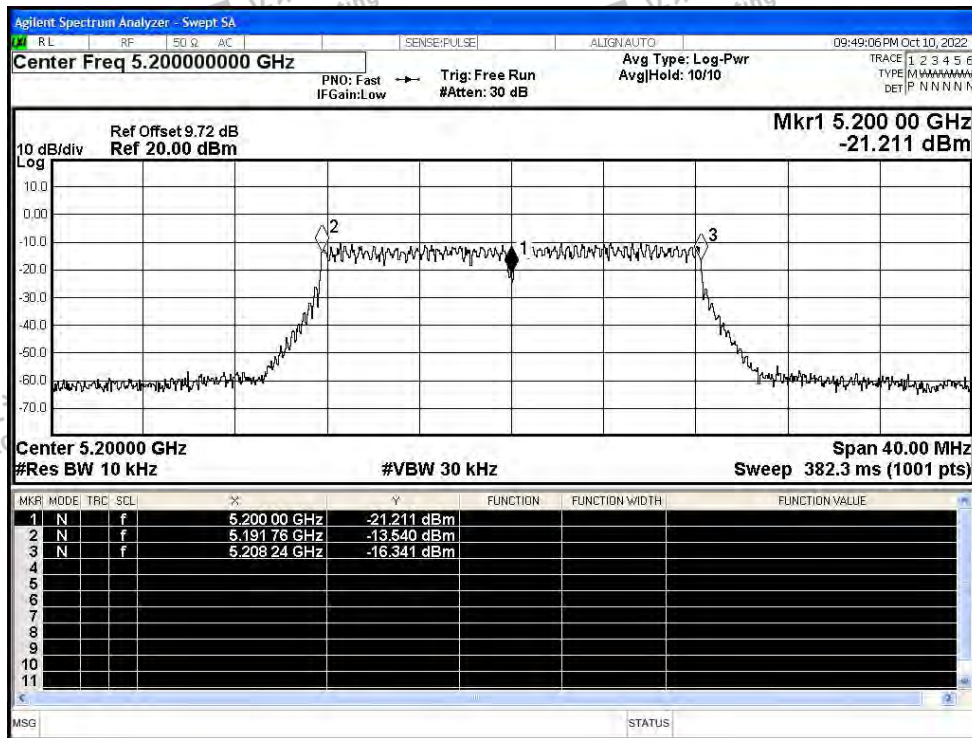


Test Graphs

Freq. Stability NVNT a 5180MHz Ant0

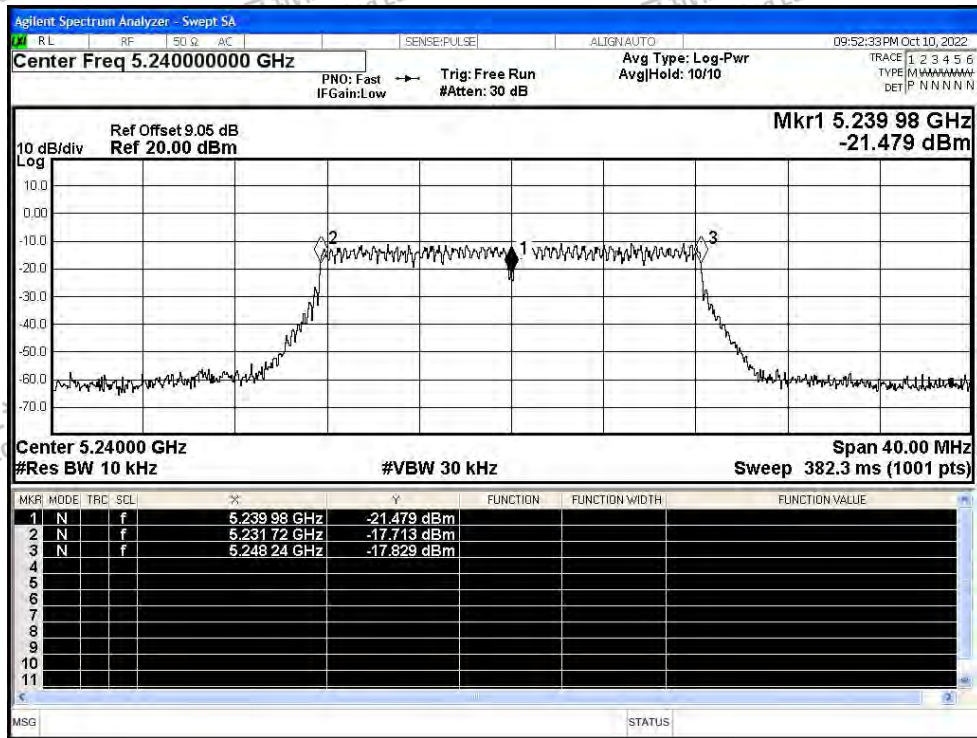


Freq. Stability NVNT a 5200MHz Ant0

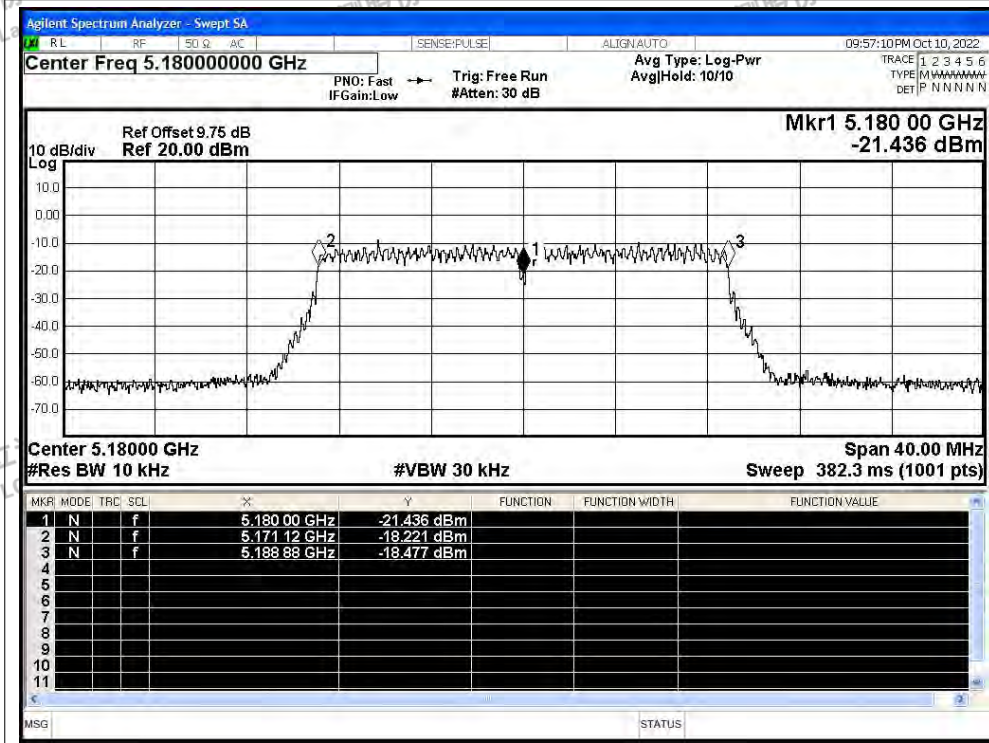




Freq. Stability NVNT a 5240MHz Ant0

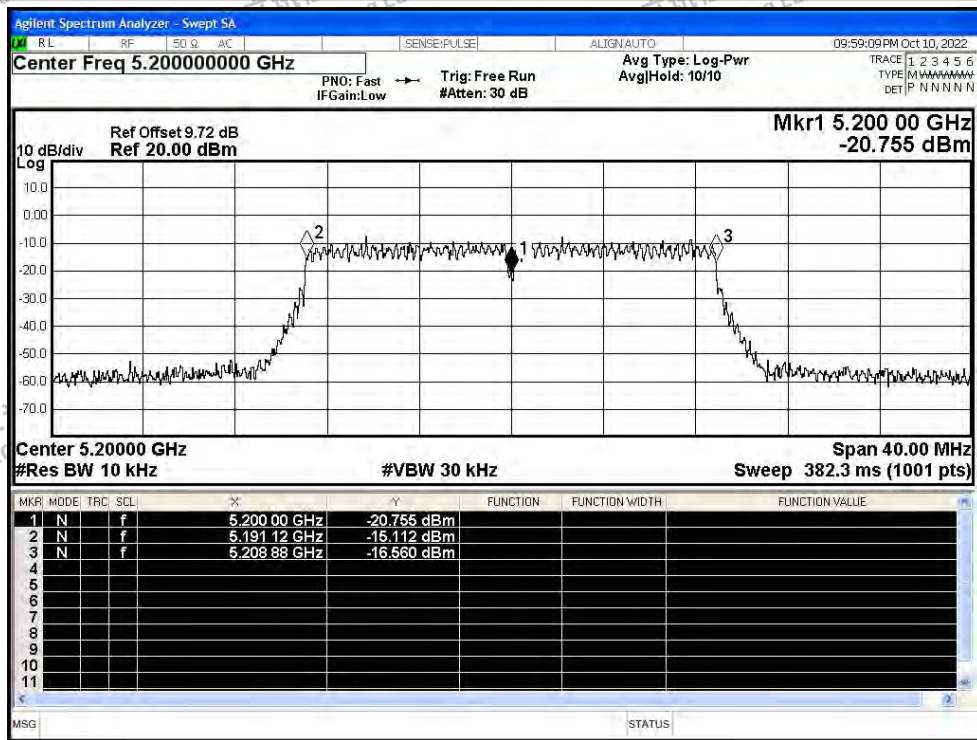


Freq. Stability NVNT n20 5180MHz Ant0

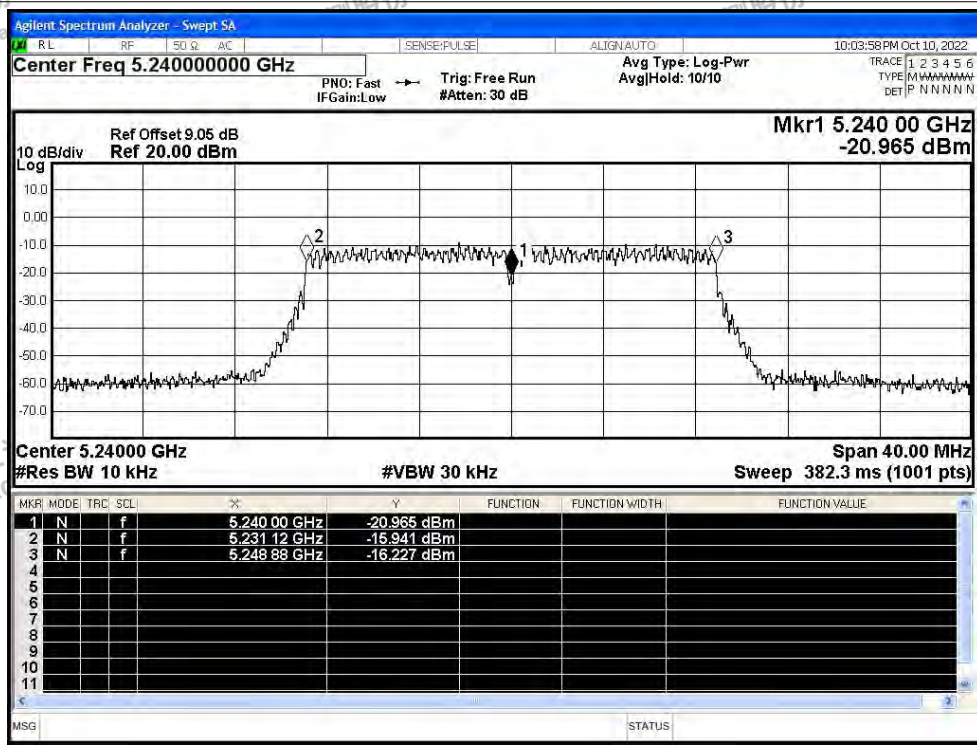




Freq. Stability NVNT n20 5200MHz Ant0

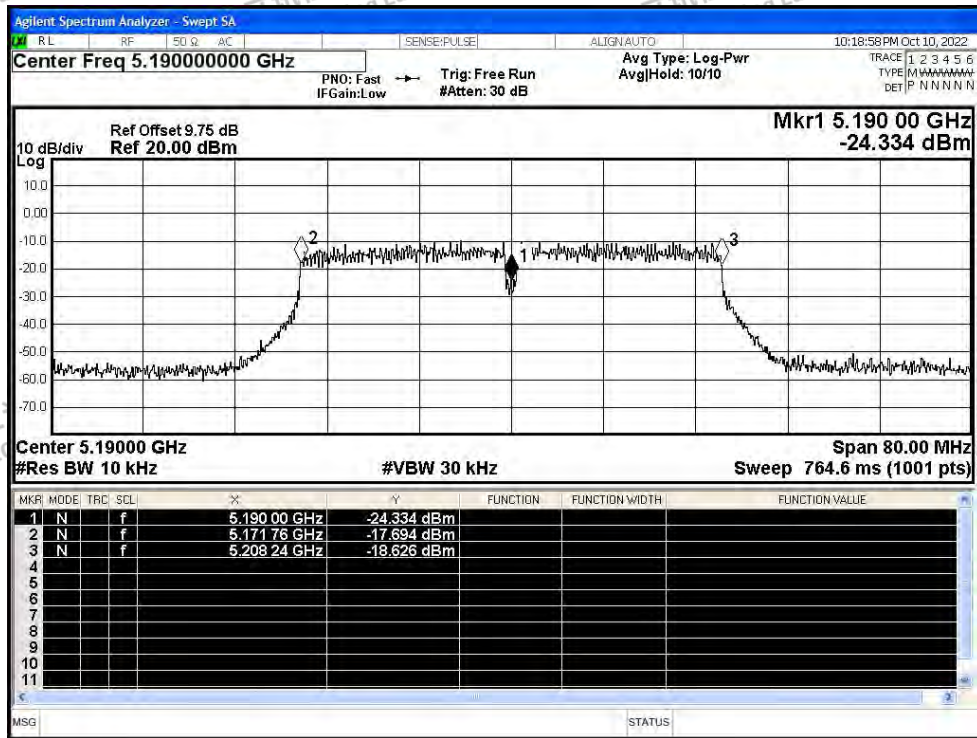


Freq. Stability NVNT n20 5240MHz Ant0

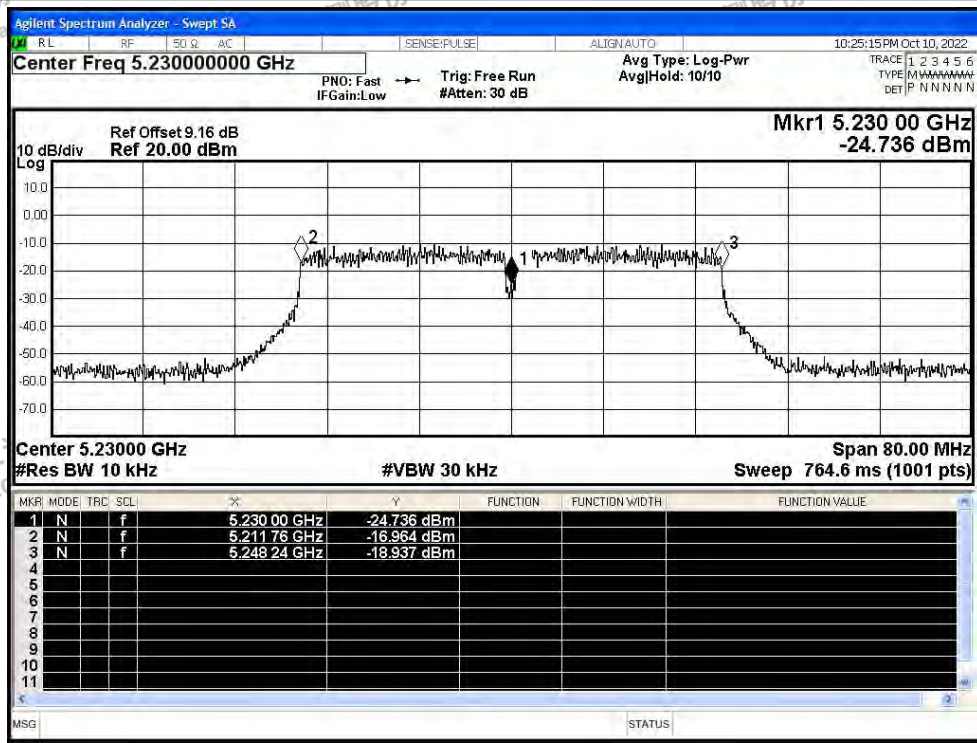




Freq. Stability NVNT n40 5190MHz Ant0

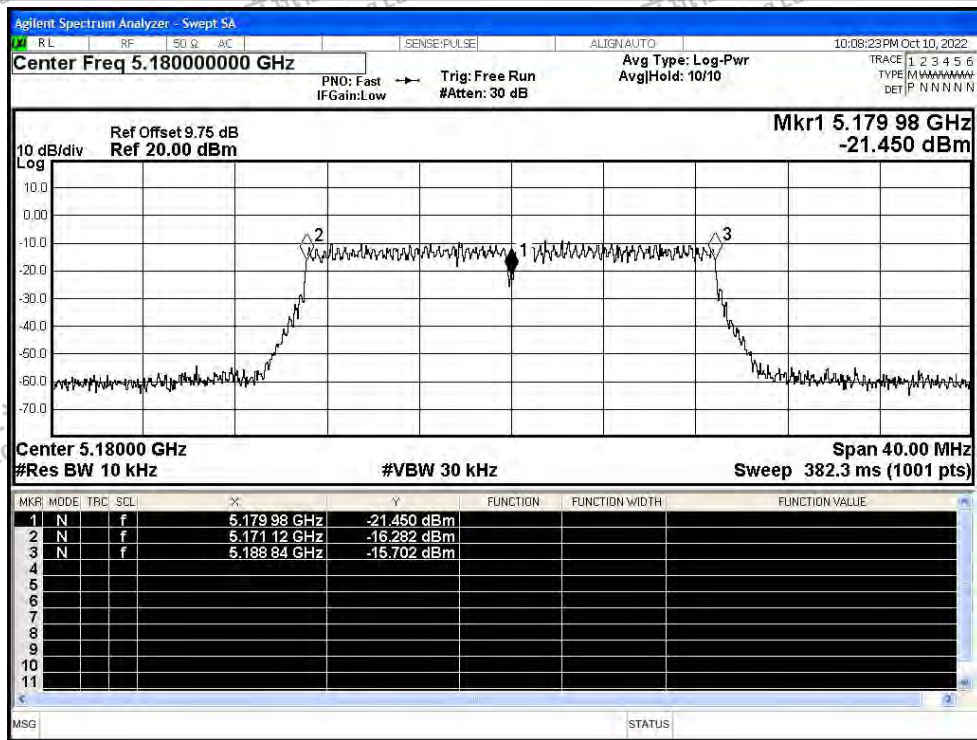


Freq. Stability NVNT n40 5230MHz Ant0

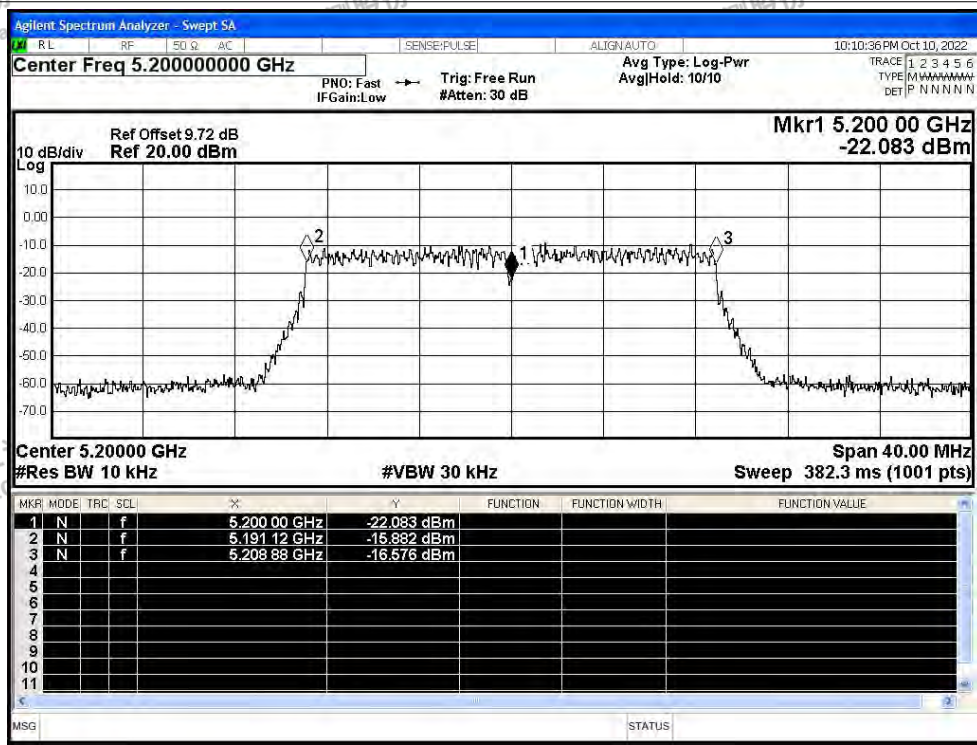




Freq. Stability NVNT ac20 5180MHz Ant0

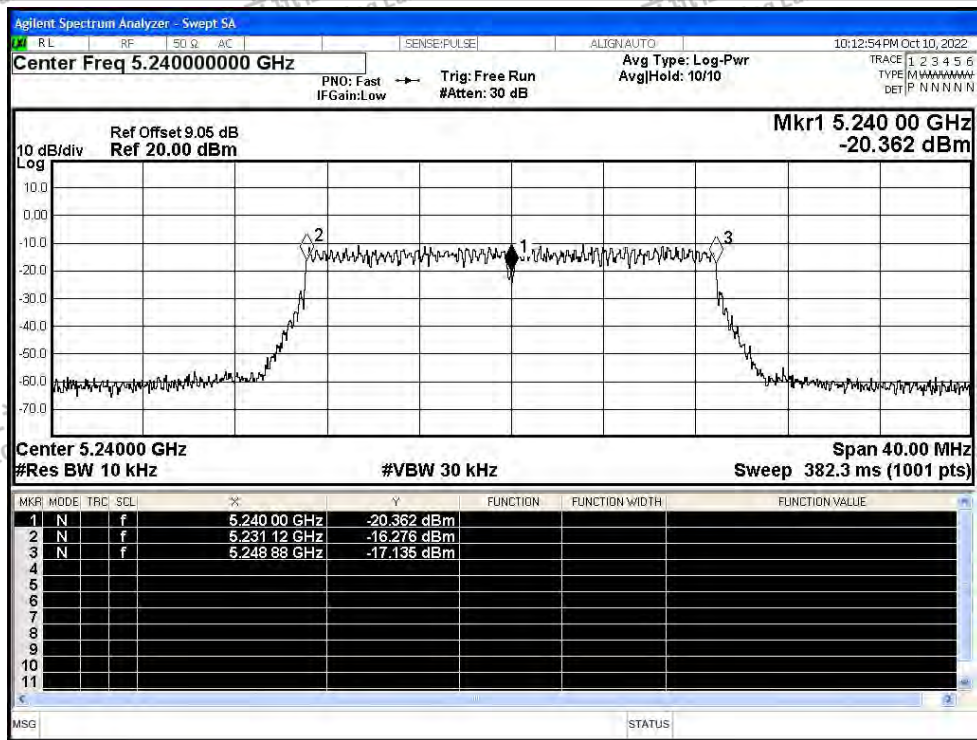


Freq. Stability NVNT ac20 5200MHz Ant0

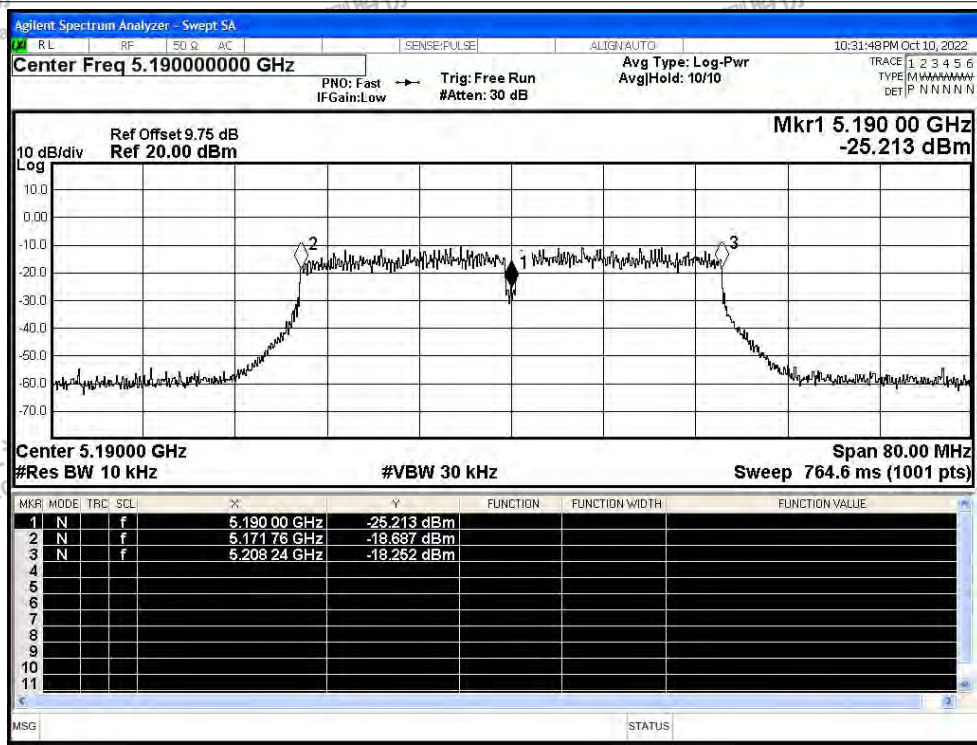




Freq. Stability NVNT ac20 5240MHz Ant0



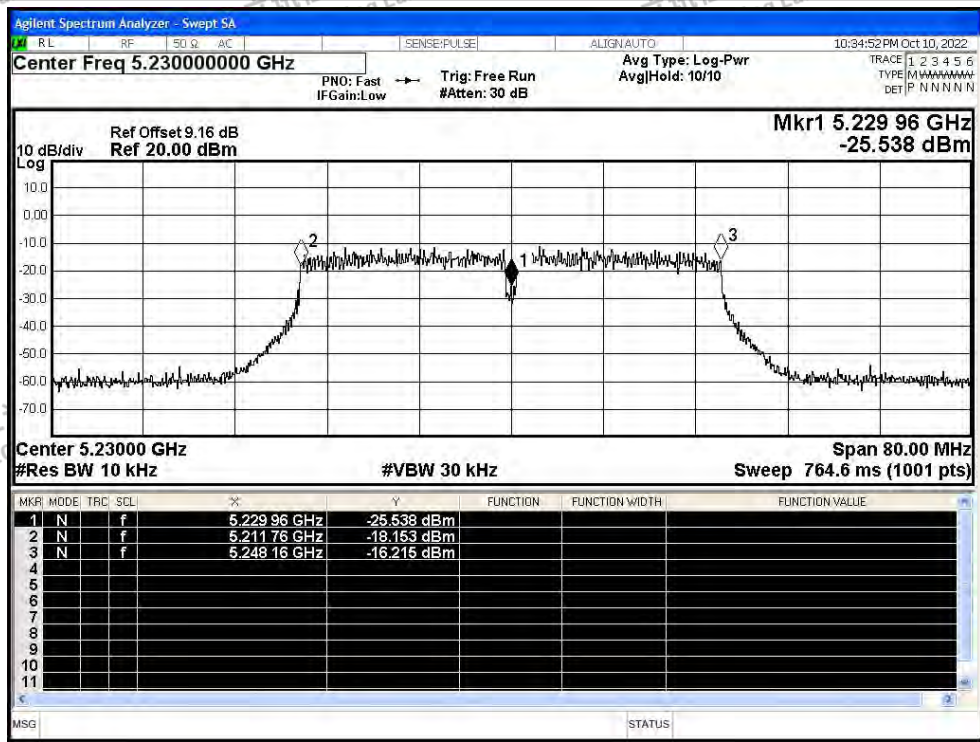
Freq. Stability NVNT ac40 5190MHz Ant0



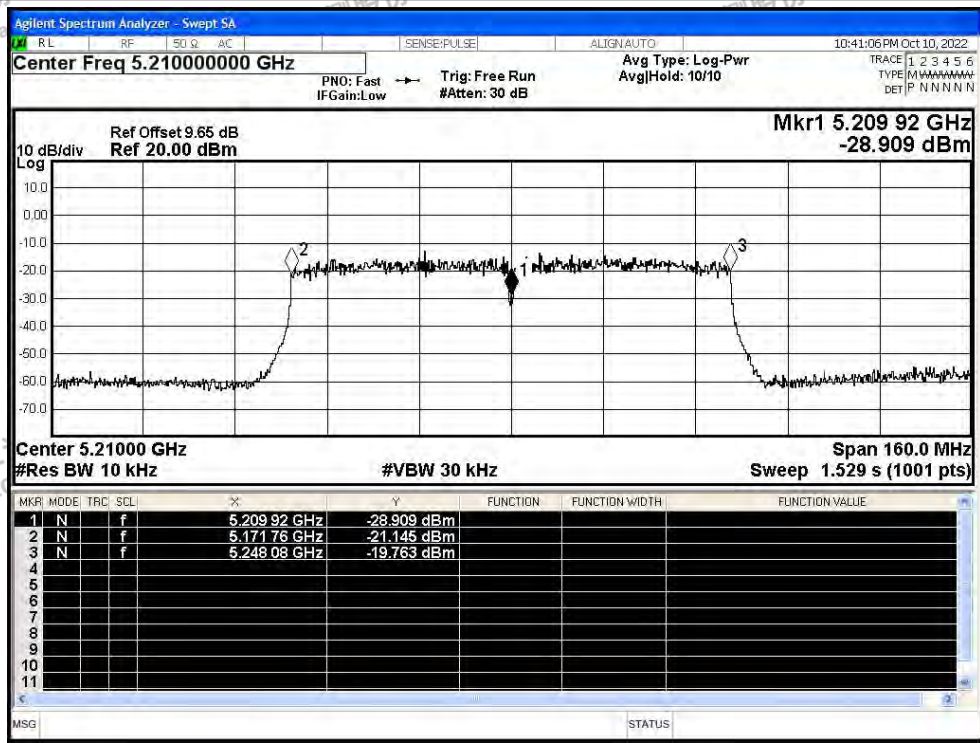




Freq. Stability NVNT ac40 5230MHz Ant0



Freq. Stability NVNT ac80 5210MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant1	5180	0	0	25	Pass
NVNT	n20	5200	Ant1	5200	0	0	25	Pass
NVNT	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant1	5190	0	0	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac20	5180	Ant1	5180	0	0	25	Pass
NVNT	ac20	5200	Ant1	5200	0	0	25	Pass
NVNT	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
NVNT	ac40	5190	Ant1	5190	0	0	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass

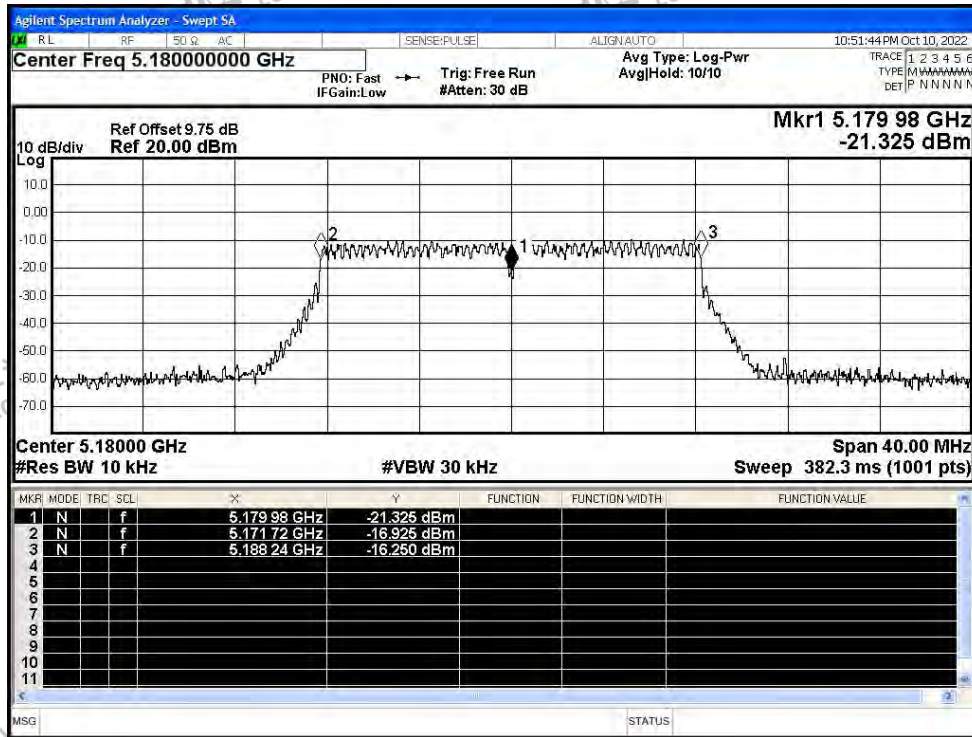


Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity

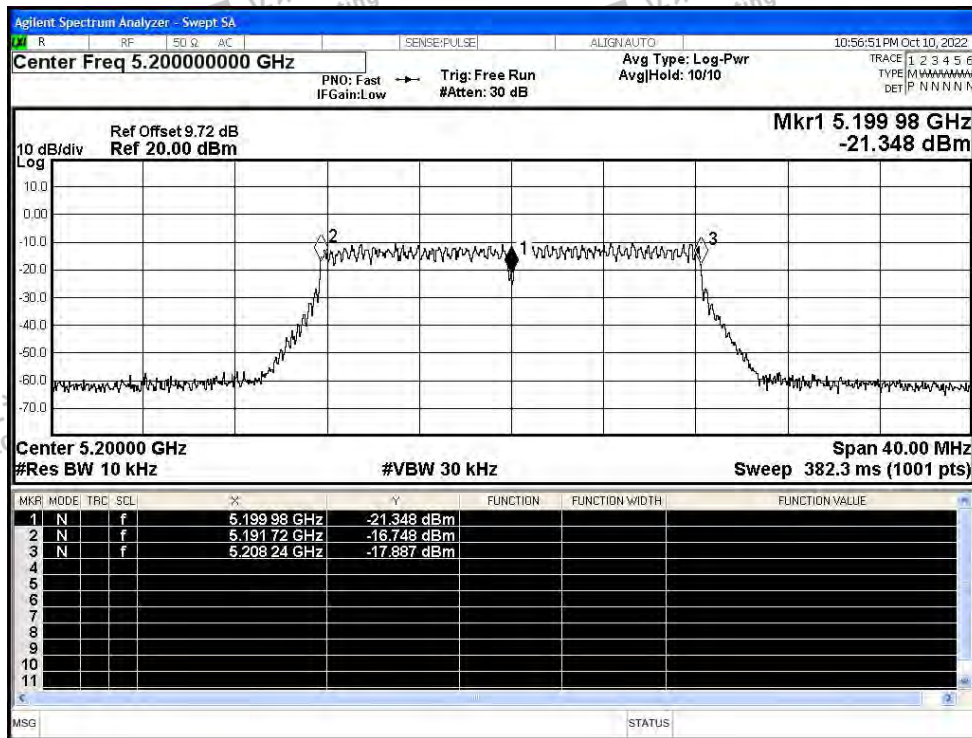


Test Graphs

Freq. Stability NVNT a 5180MHz Ant1

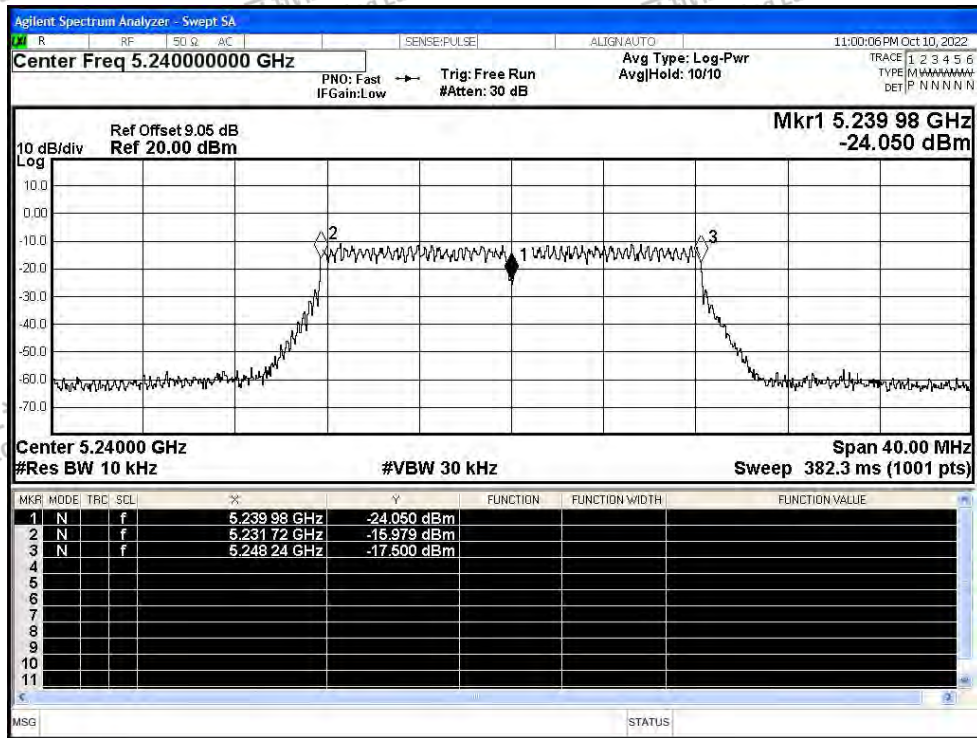


Freq. Stability NVNT a 5200MHz Ant1

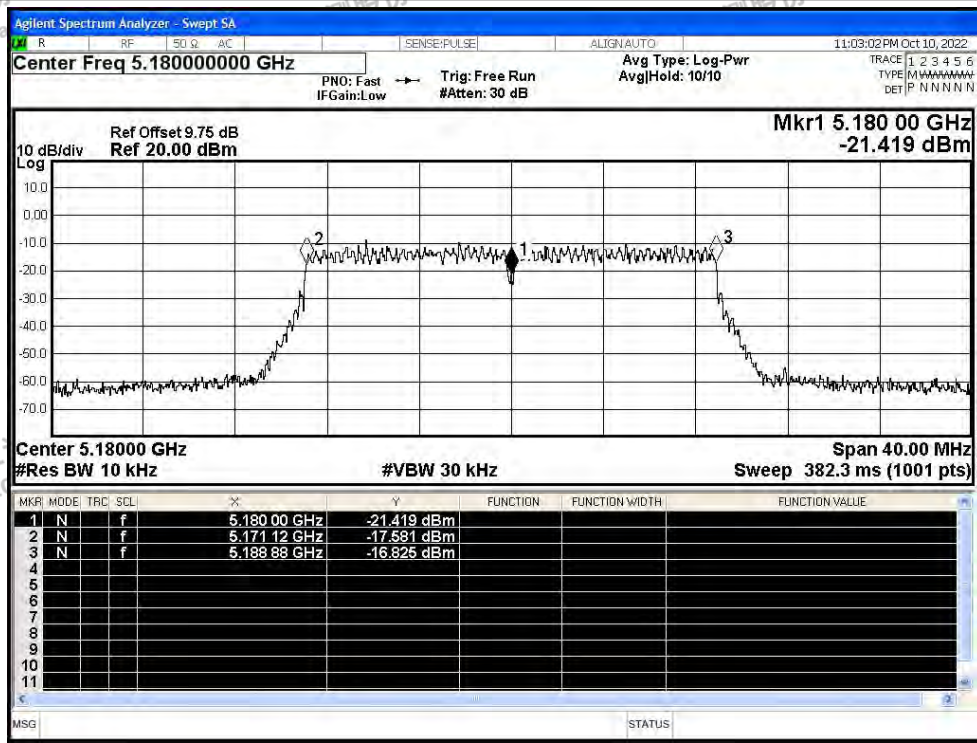




Freq. Stability NVNT a 5240MHz Ant1

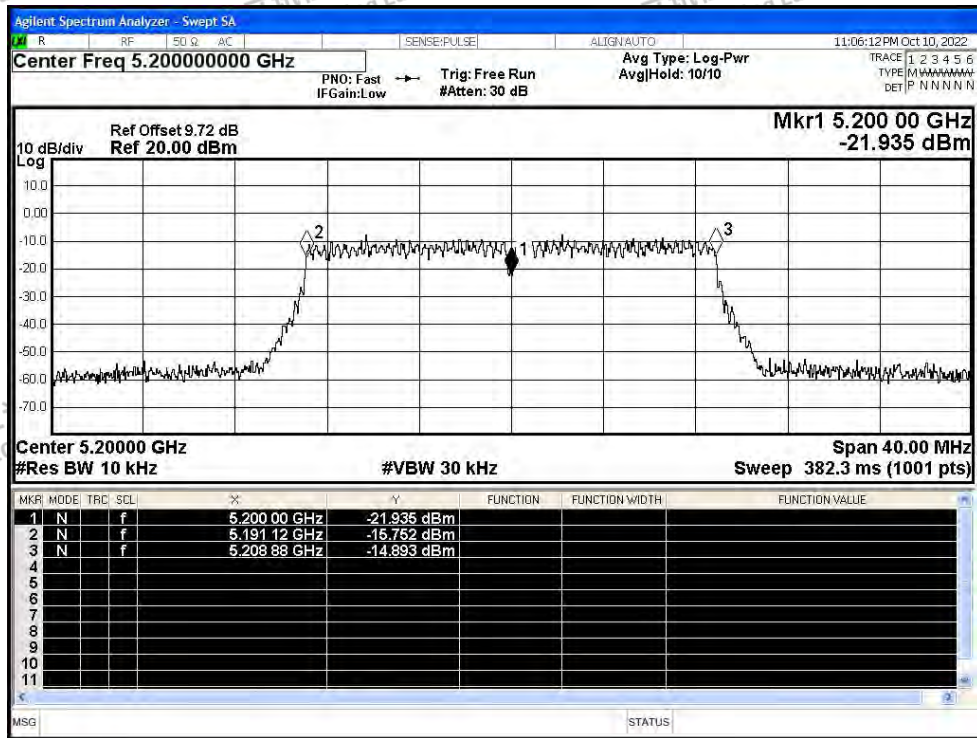


Freq. Stability NVNT n20 5180MHz Ant1

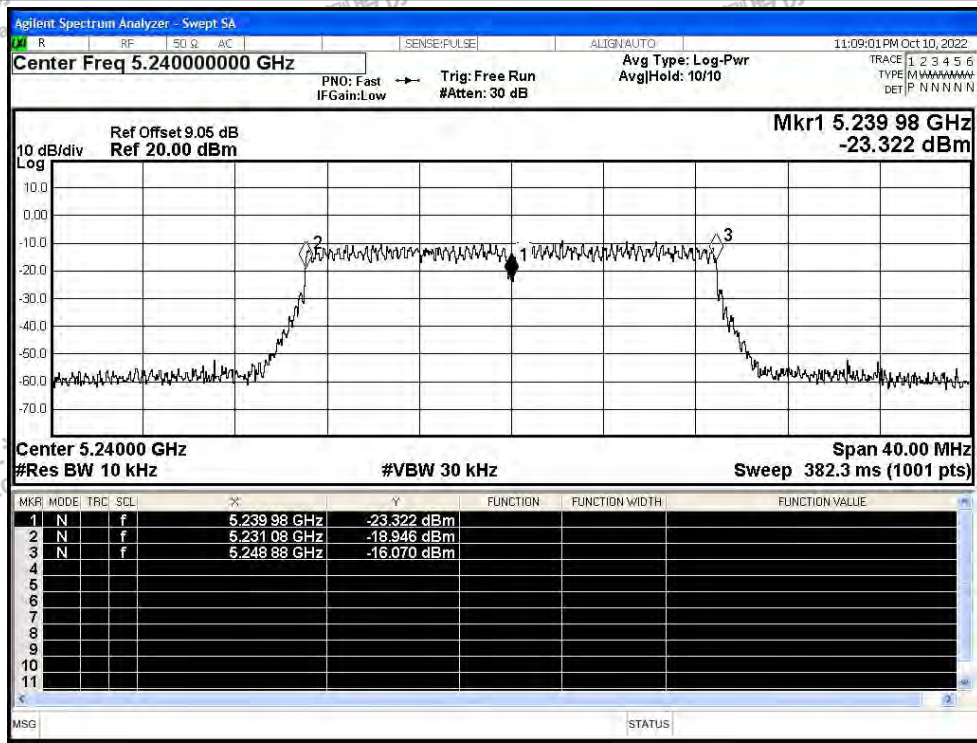




Freq. Stability NVNT n20 5200MHz Ant1

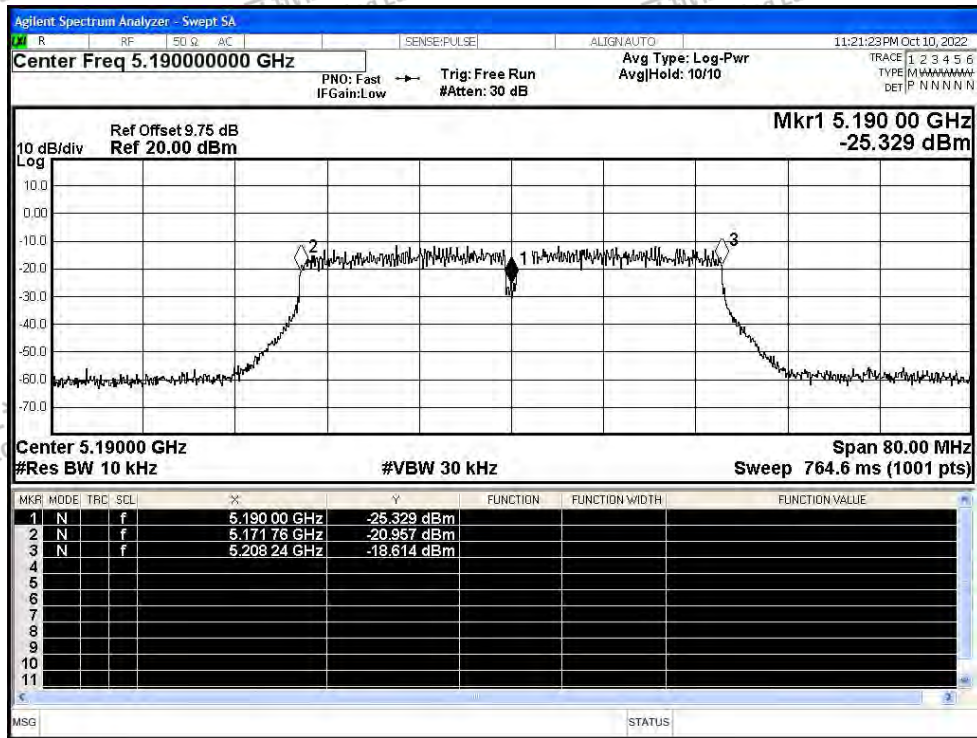


Freq. Stability NVNT n20 5240MHz Ant1





Freq. Stability NVNT n40 5190MHz Ant1



Freq. Stability NVNT n40 5230MHz Ant1

