



Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: IPTV Set-Top Box

Test Model: SML-5045W

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Wunder Wu Wunder Wu
Supervised by:	Li Huan Li Huan





D.1 -26dB Bandwidth

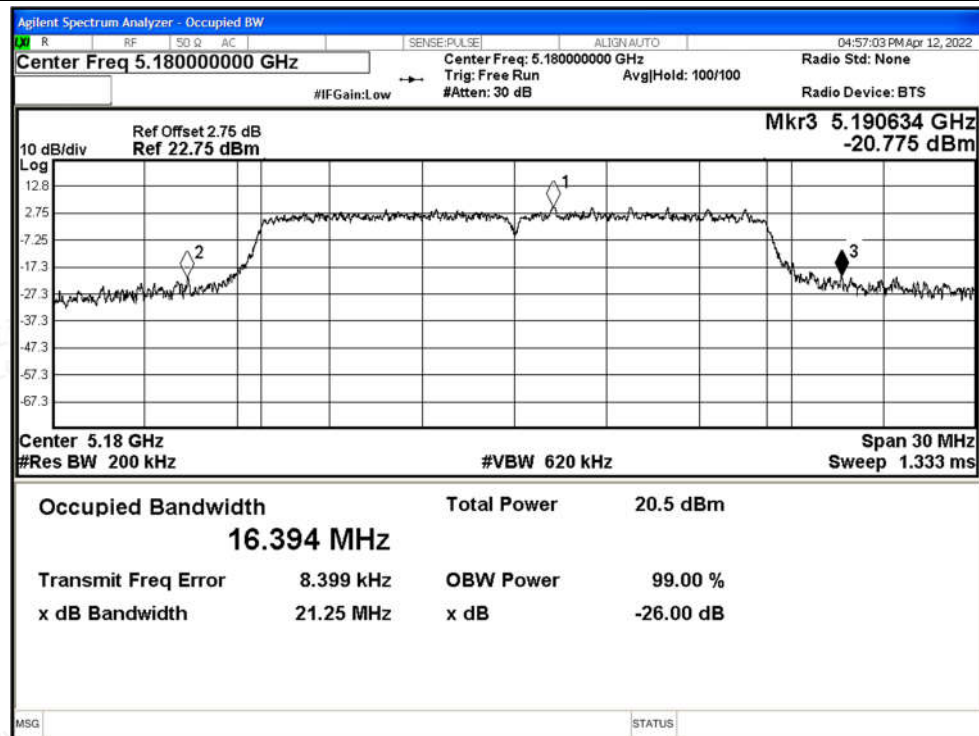
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant0	21.252	0.5	Pass
NVNT	a	5200	Ant0	20.093	0.5	Pass
NVNT	a	5240	Ant0	18.392	0.5	Pass
NVNT	n20	5180	Ant0	19.315	0.5	Pass
NVNT	n20	5200	Ant0	19.388	0.5	Pass
NVNT	n20	5240	Ant0	19.218	0.5	Pass
NVNT	n40	5190	Ant0	41.715	0.5	Pass
NVNT	n40	5230	Ant0	41.727	0.5	Pass
NVNT	ac20	5180	Ant0	19.312	0.5	Pass
NVNT	ac20	5200	Ant0	19.203	0.5	Pass
NVNT	ac20	5240	Ant0	19.129	0.5	Pass
NVNT	ac40	5190	Ant0	41.886	0.5	Pass
NVNT	ac40	5230	Ant0	41.299	0.5	Pass
NVNT	ac80	5210	Ant0	80.53	0.5	Pass



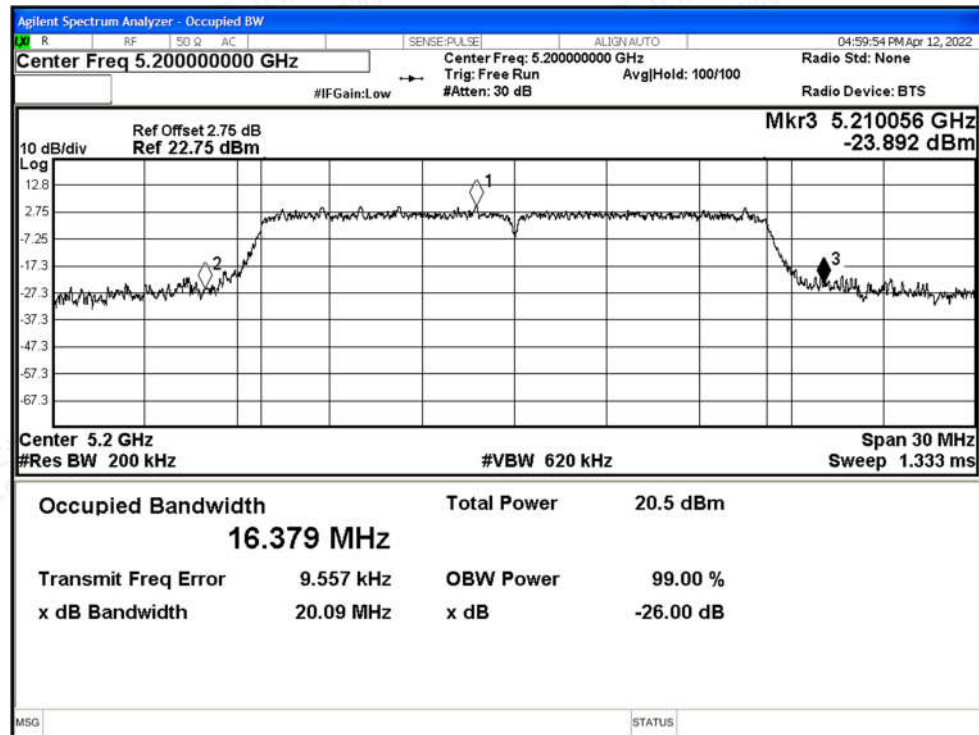


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant0



-26dB Bandwidth NVNT a 5200MHz Ant0



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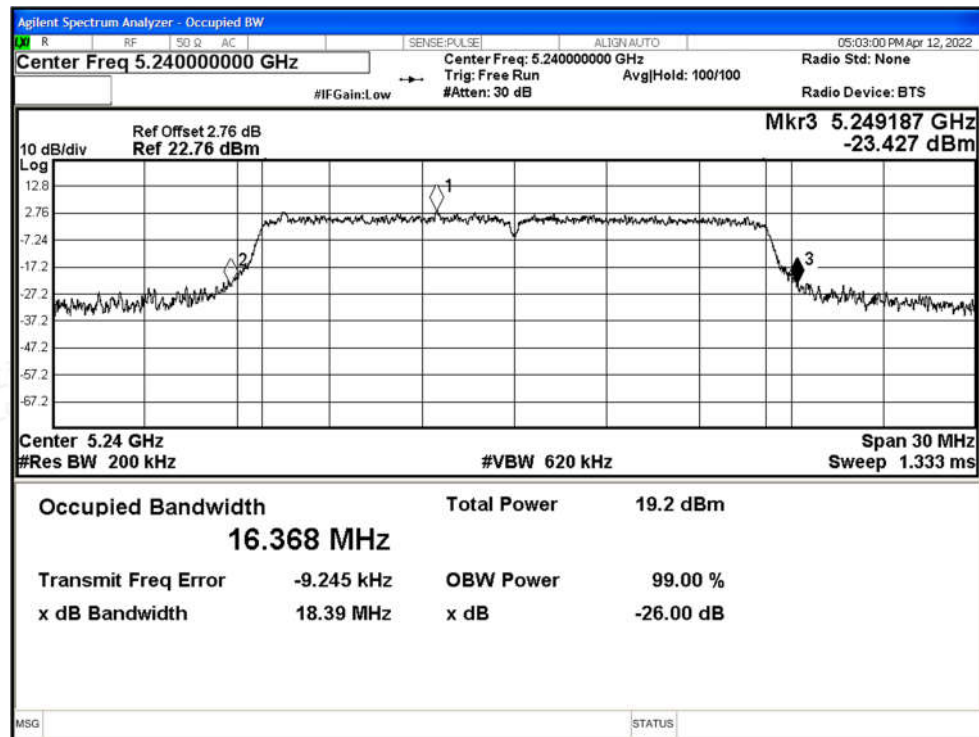
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

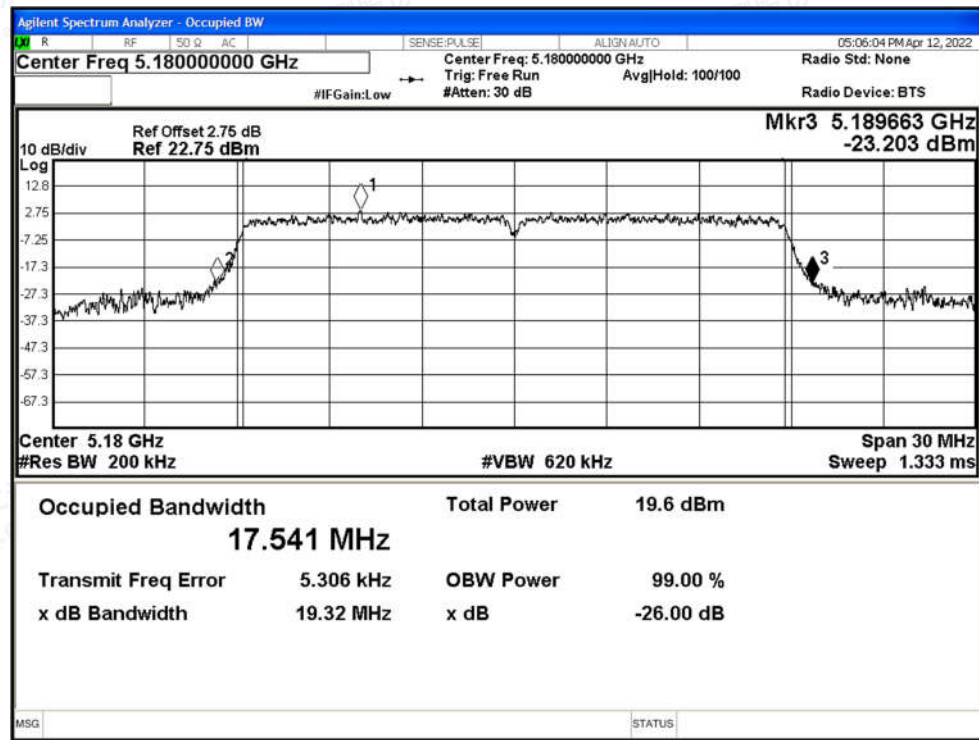
Scan code to check authenticity



-26dB Bandwidth NVNT a 5240MHz Ant0

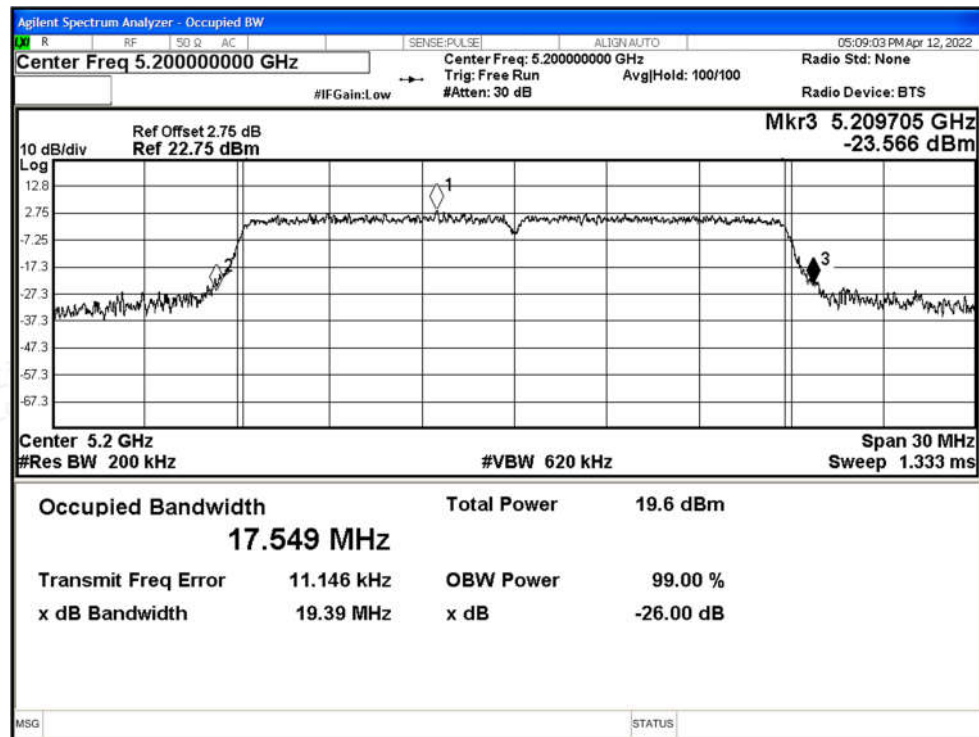


-26dB Bandwidth NVNT n20 5180MHz Ant0

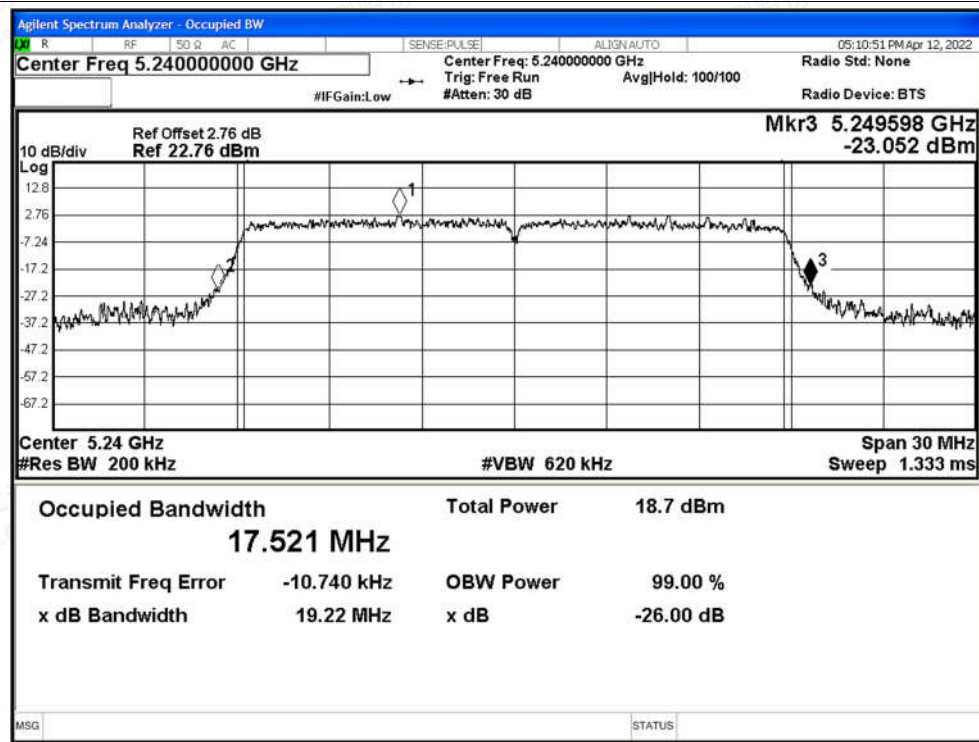




-26dB Bandwidth NVNT n20 5200MHz Ant0



-26dB Bandwidth NVNT n20 5240MHz Ant0

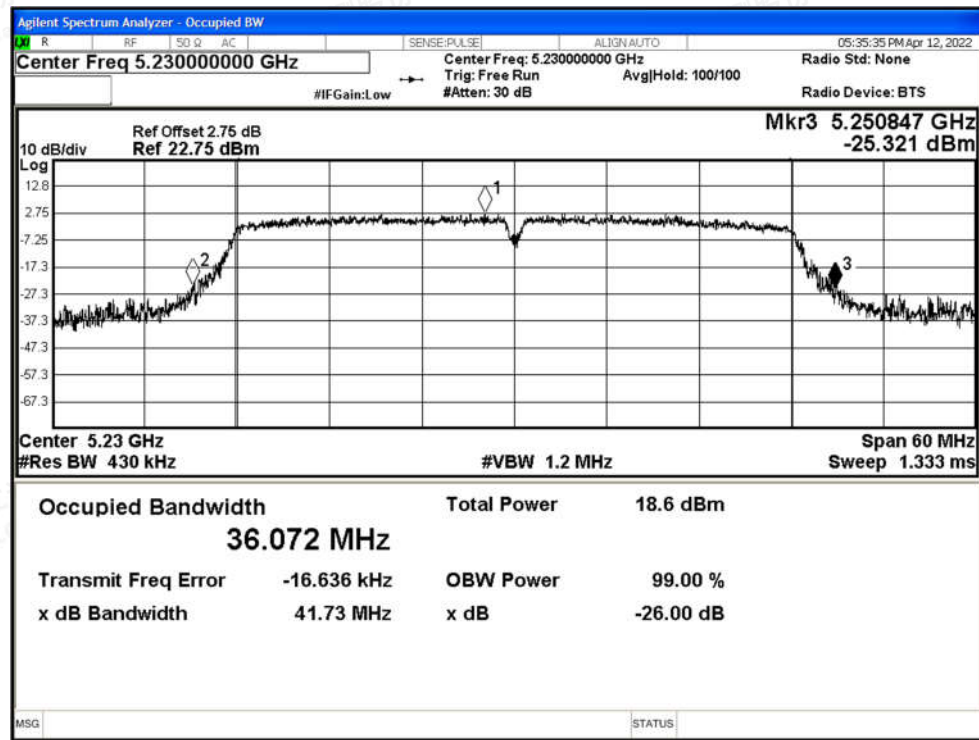




-26dB Bandwidth NVNT n40 5190MHz Ant0

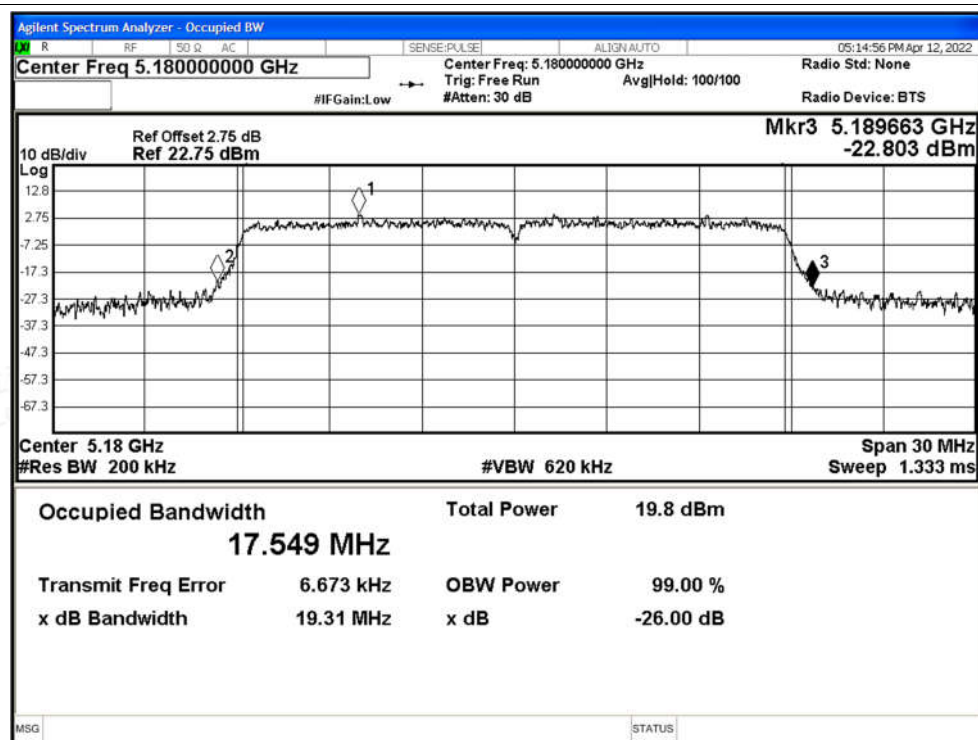


-26dB Bandwidth NVNT n40 5230MHz Ant0

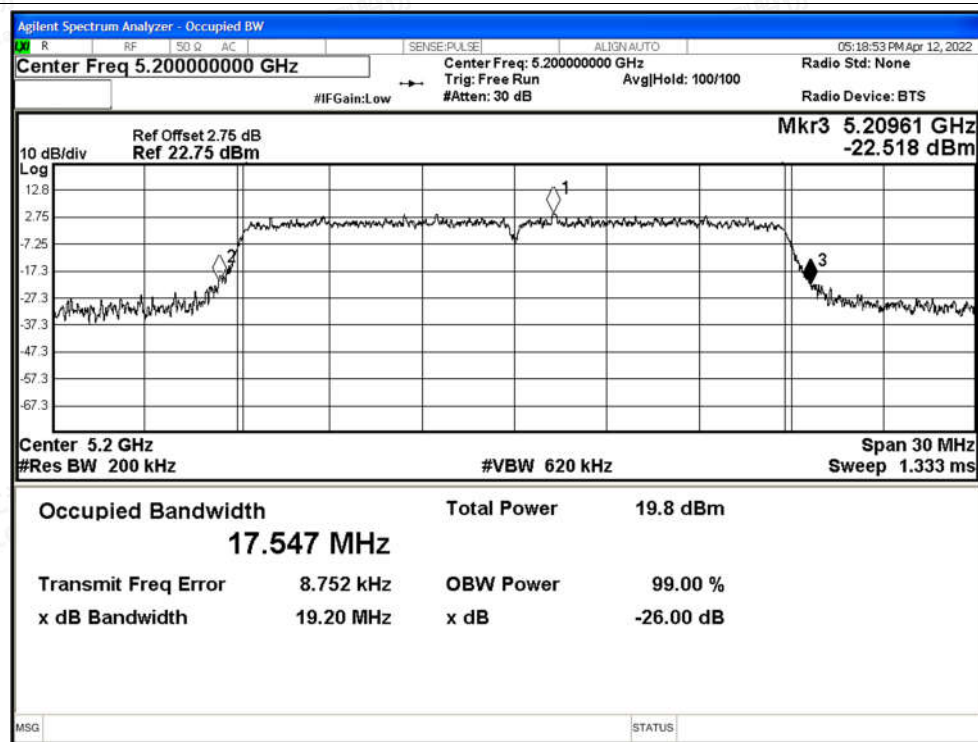




-26dB Bandwidth NVNT ac20 5180MHz Ant0



-26dB Bandwidth NVNT ac20 5200MHz Ant0

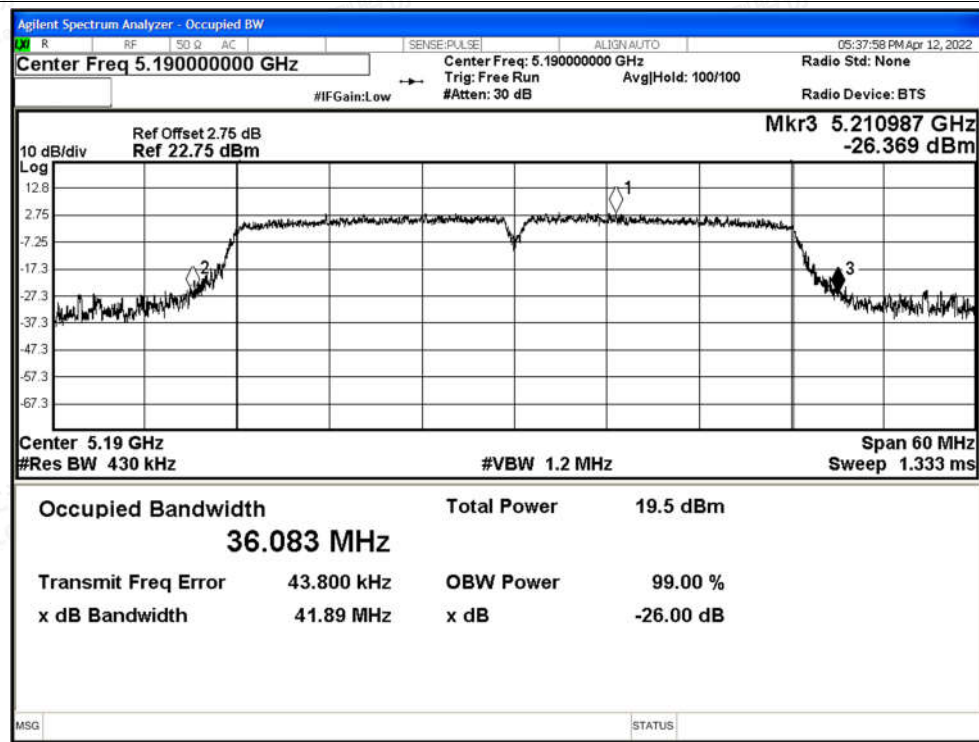




-26dB Bandwidth NVNT ac20 5240MHz Ant0

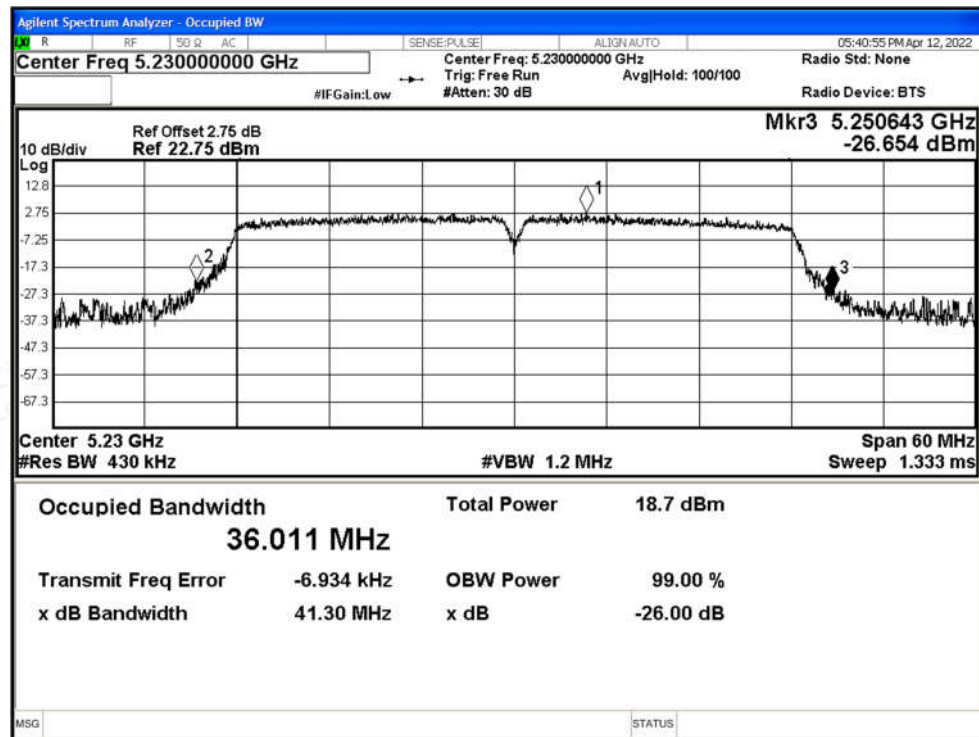


-26dB Bandwidth NVNT ac40 5190MHz Ant0

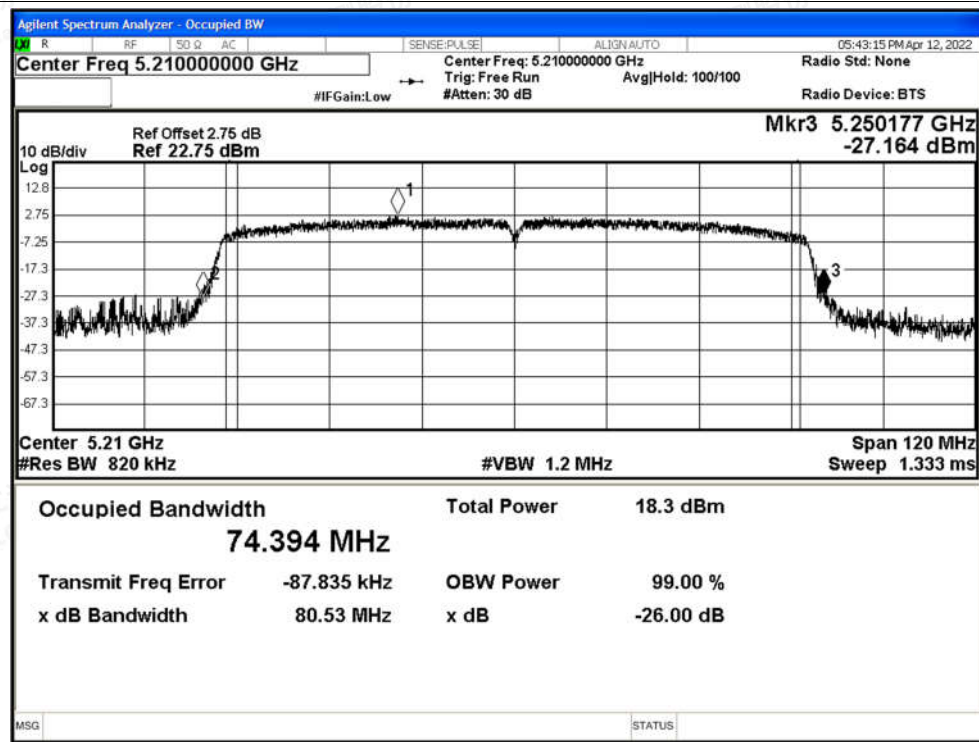




-26dB Bandwidth NVNT ac40 5230MHz Ant0



-26dB Bandwidth NVNT ac80 5210MHz Ant0





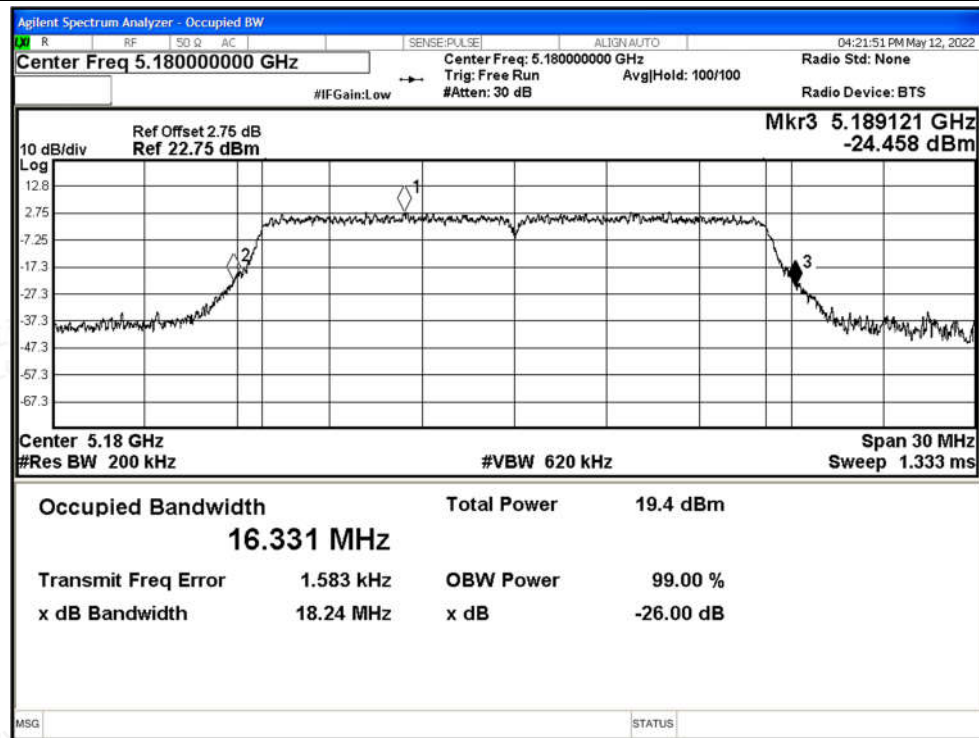
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NVNT	a	5180	Ant1	18.239	0.5	Pass
NVNT	a	5200	Ant1	18.244	0.5	Pass
NVNT	a	5240	Ant1	18.186	0.5	Pass
NVNT	n20	5180	Ant1	19.204	0.5	Pass
NVNT	n20	5200	Ant1	19.212	0.5	Pass
NVNT	n20	5240	Ant1	19.255	0.5	Pass
NVNT	n40	5190	Ant1	41.198	0.5	Pass
NVNT	n40	5230	Ant1	41.17	0.5	Pass
NVNT	ac20	5180	Ant1	19.251	0.5	Pass
NVNT	ac20	5200	Ant1	19.197	0.5	Pass
NVNT	ac20	5240	Ant1	19.207	0.5	Pass
NVNT	ac40	5190	Ant1	40.555	0.5	Pass
NVNT	ac40	5230	Ant1	40.628	0.5	Pass
NVNT	ac80	5210	Ant1	80.683	0.5	Pass



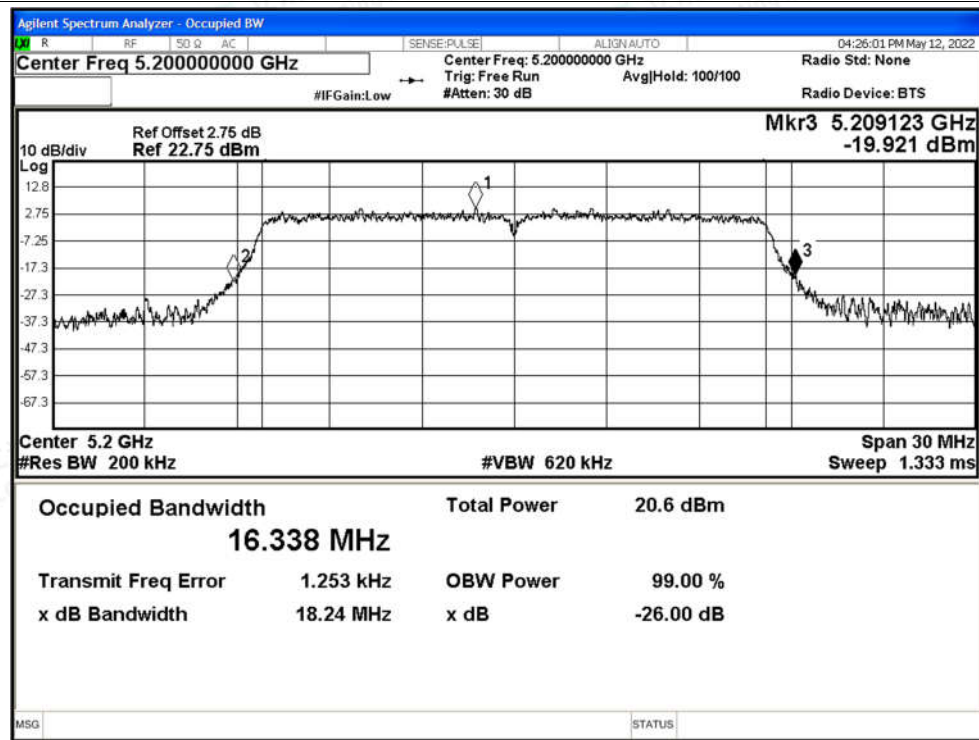


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

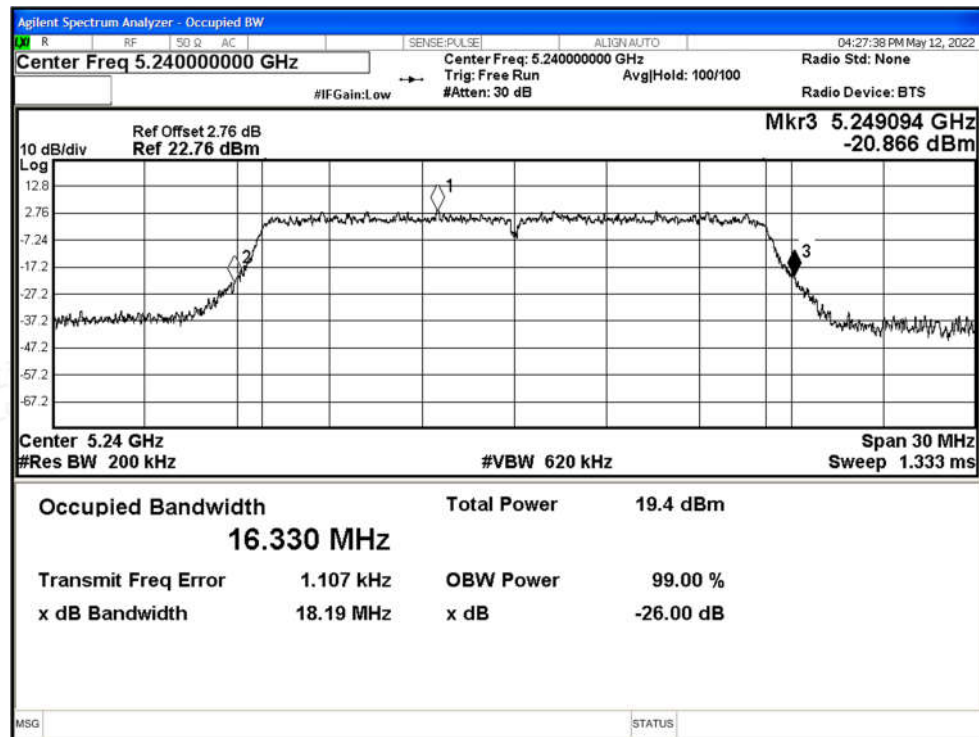


-26dB Bandwidth NVNT a 5200MHz Ant1

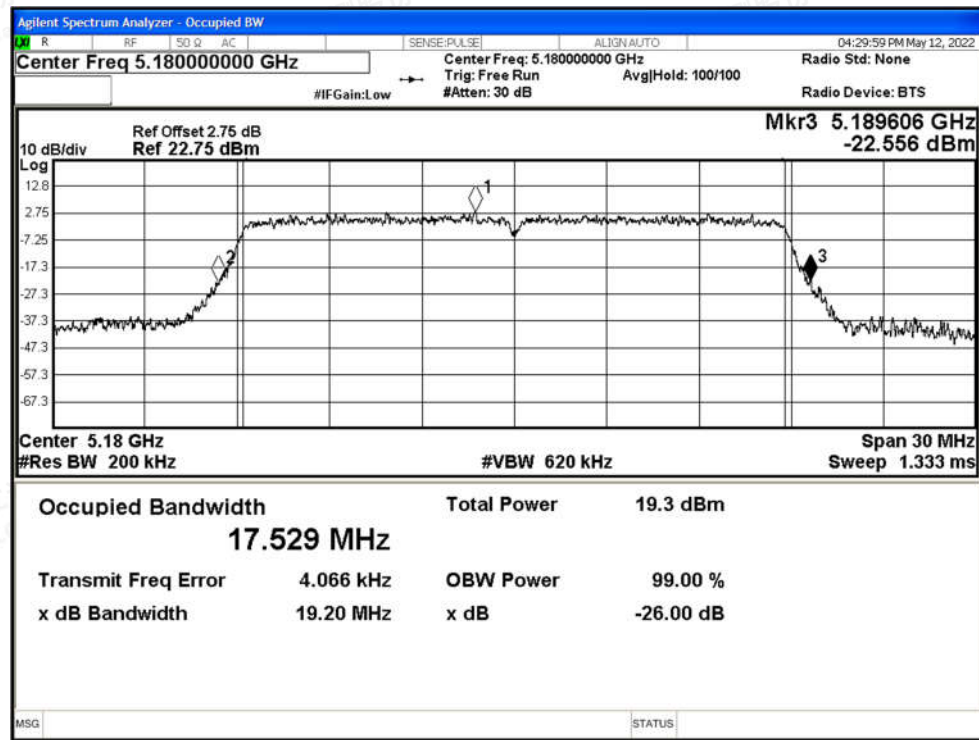




-26dB Bandwidth NVNT a 5240MHz Ant1

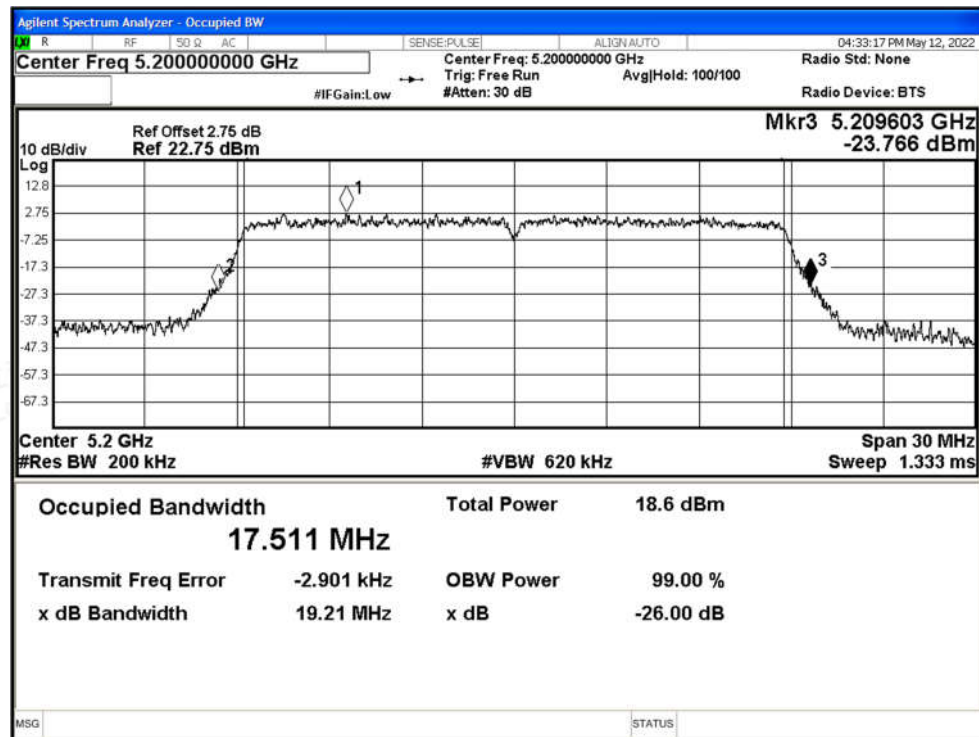


-26dB Bandwidth NVNT n20 5180MHz Ant1

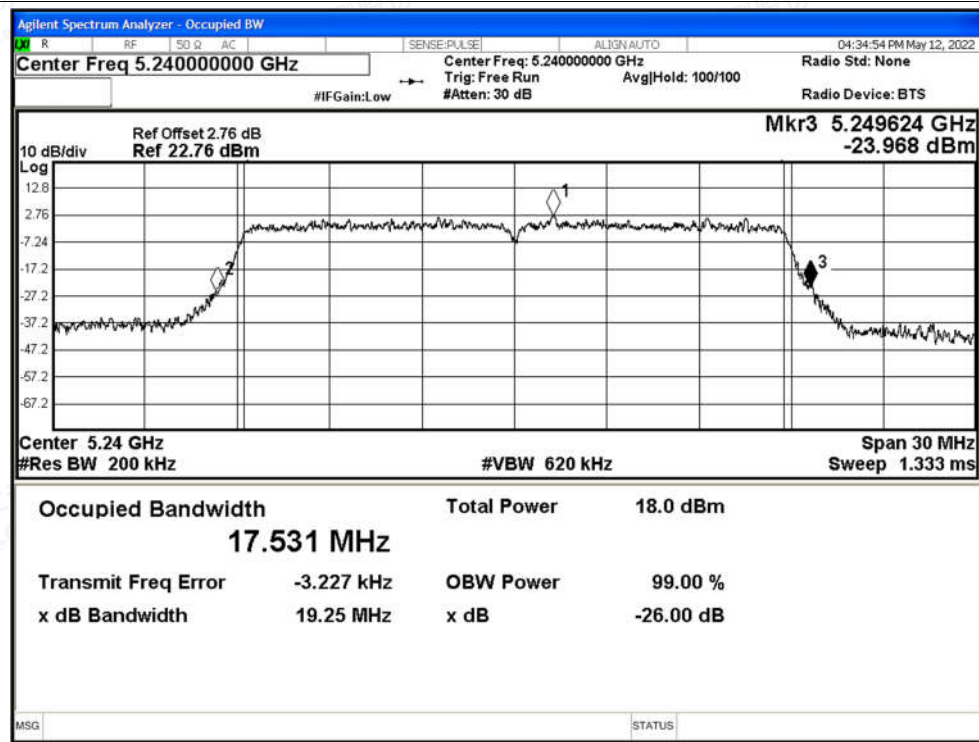




-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



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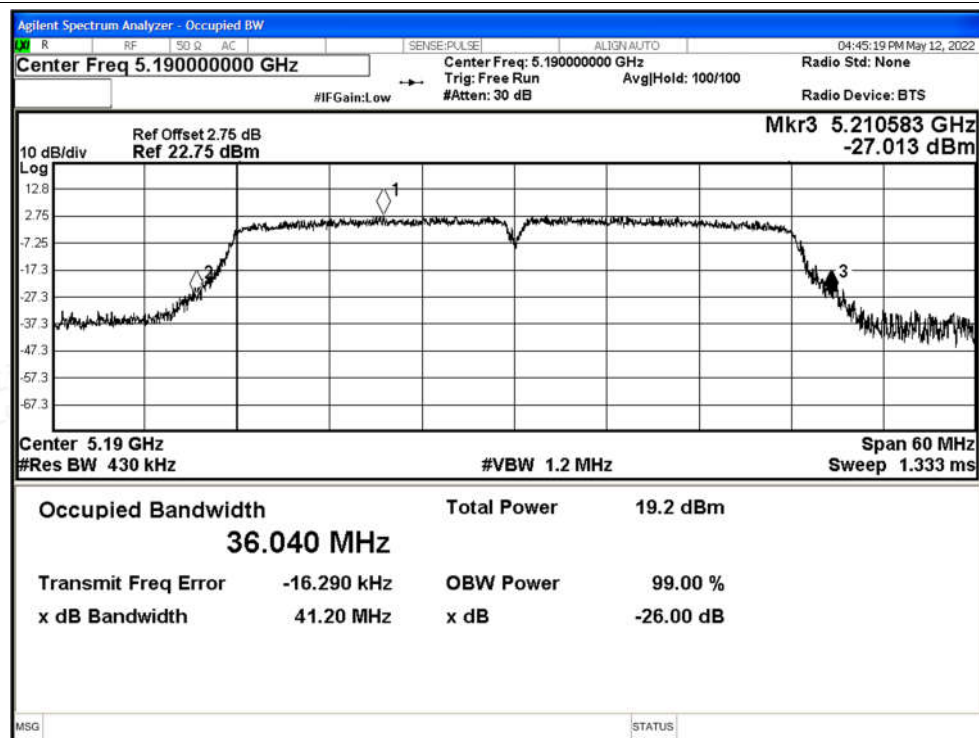
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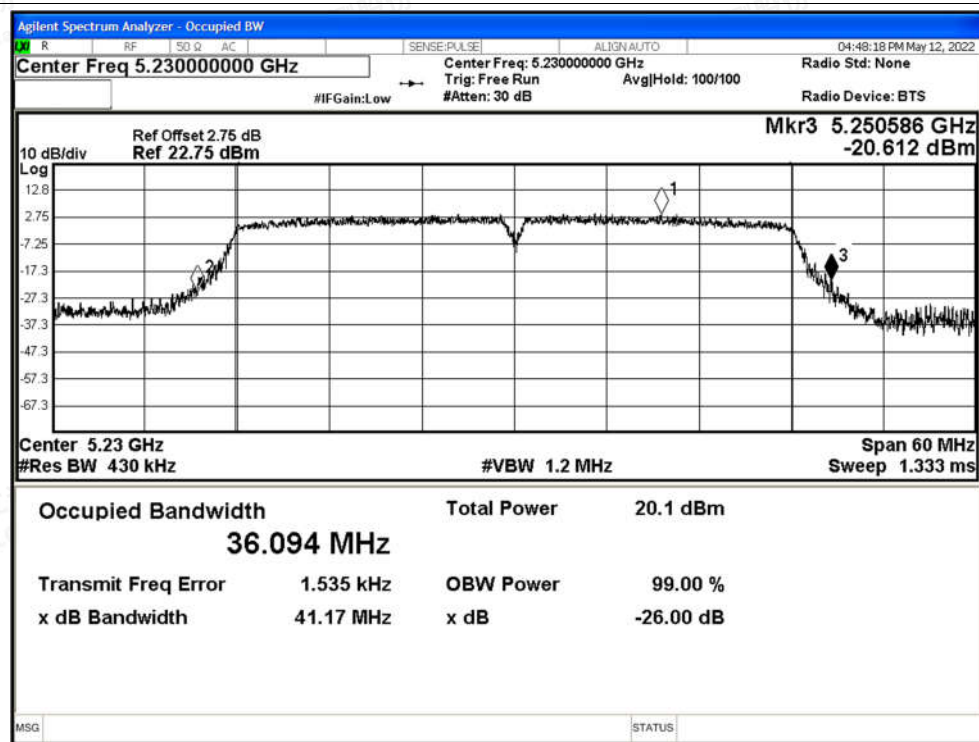
Scan code to check authenticity



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



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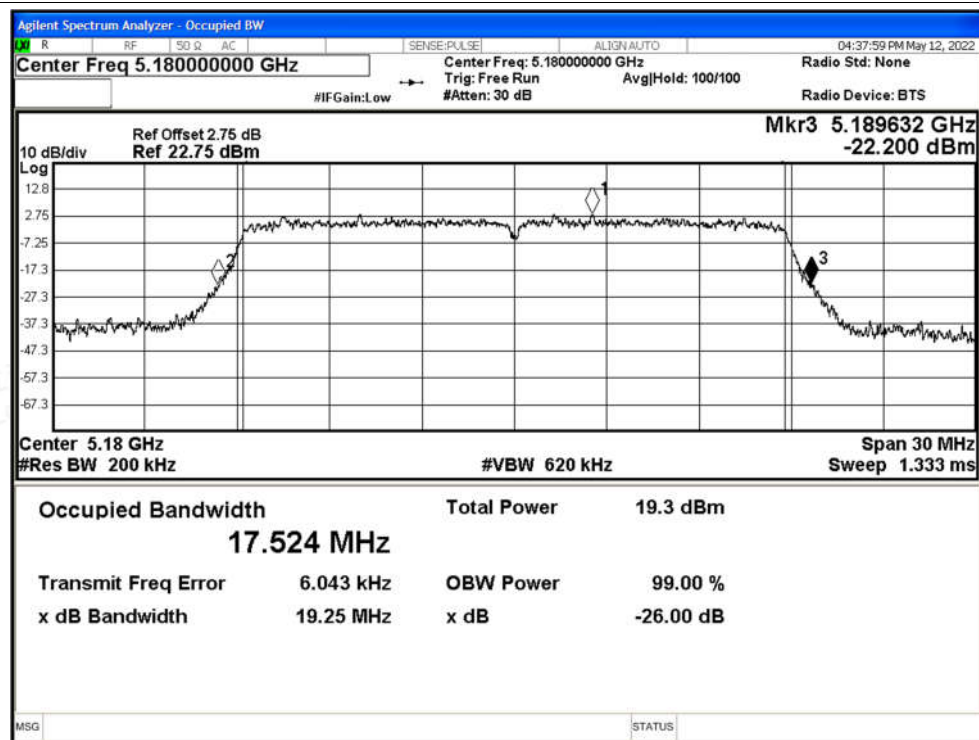
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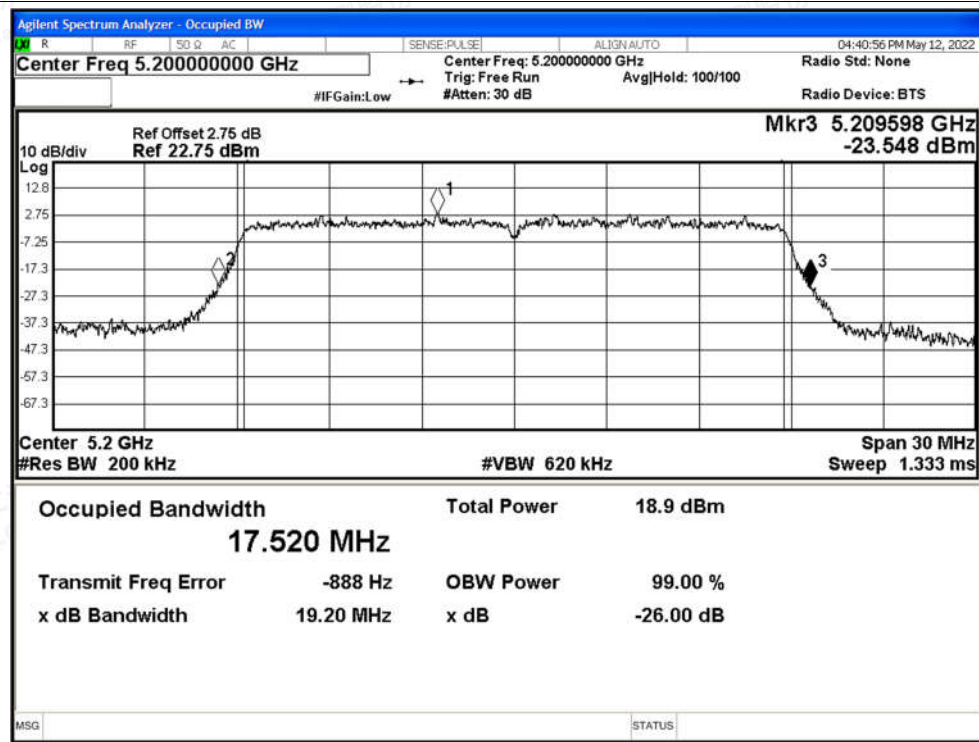
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-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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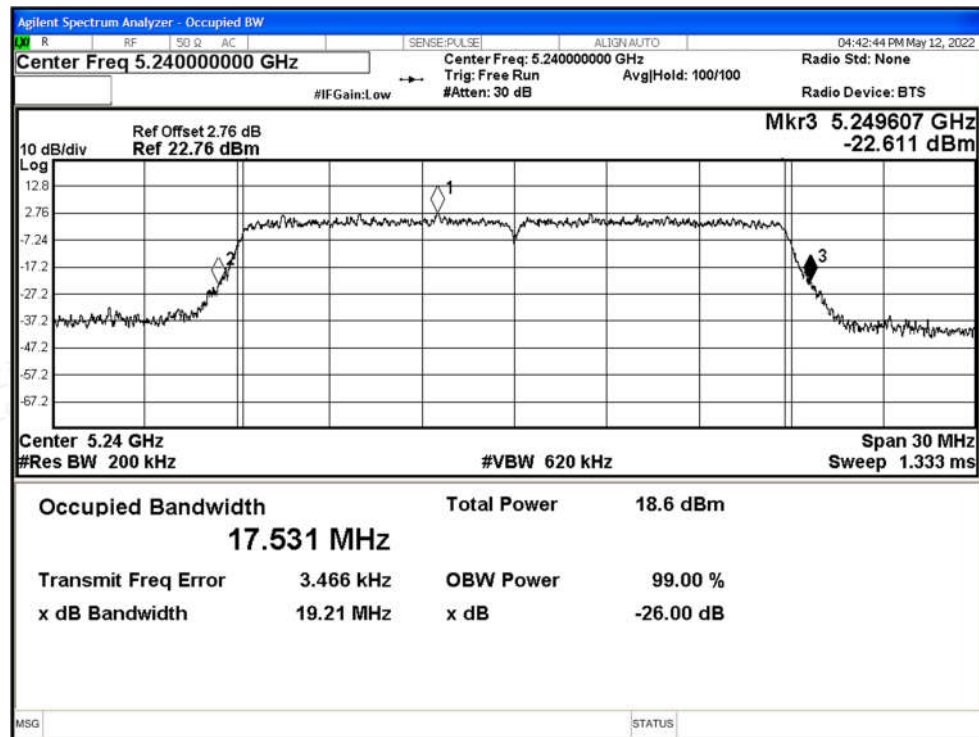
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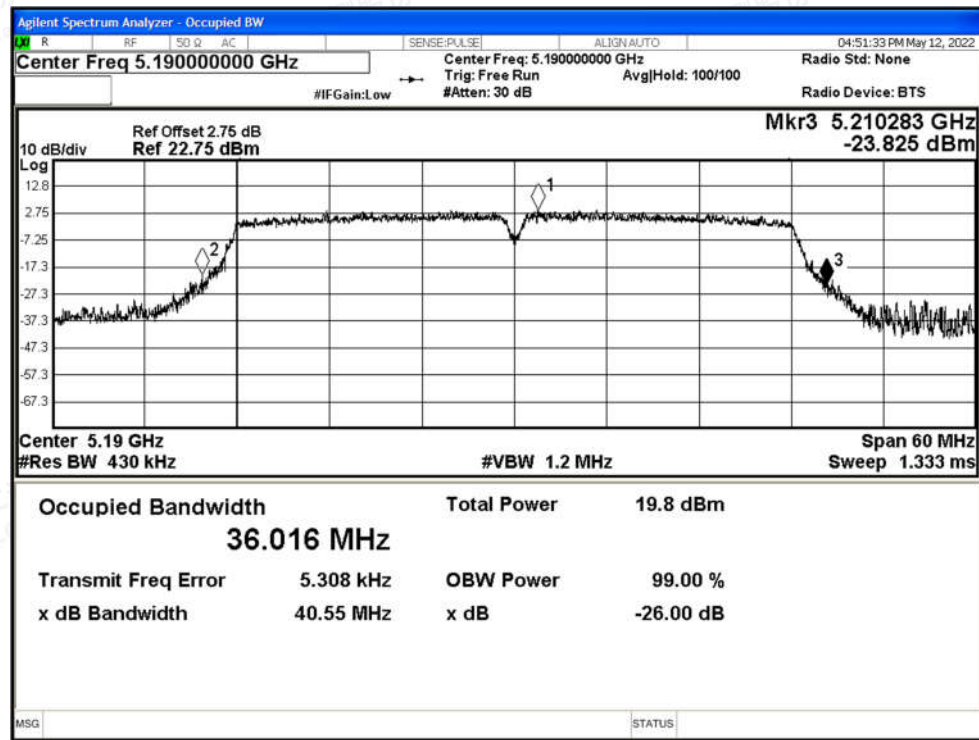
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5240MHz Ant1

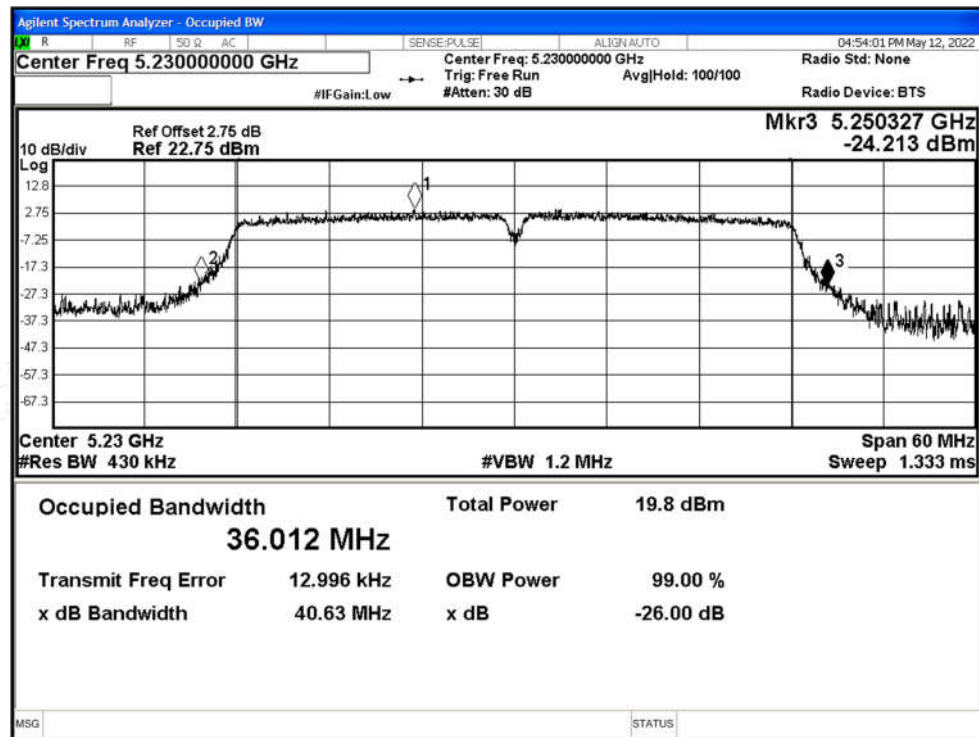


-26dB Bandwidth NVNT ac40 5190MHz Ant1

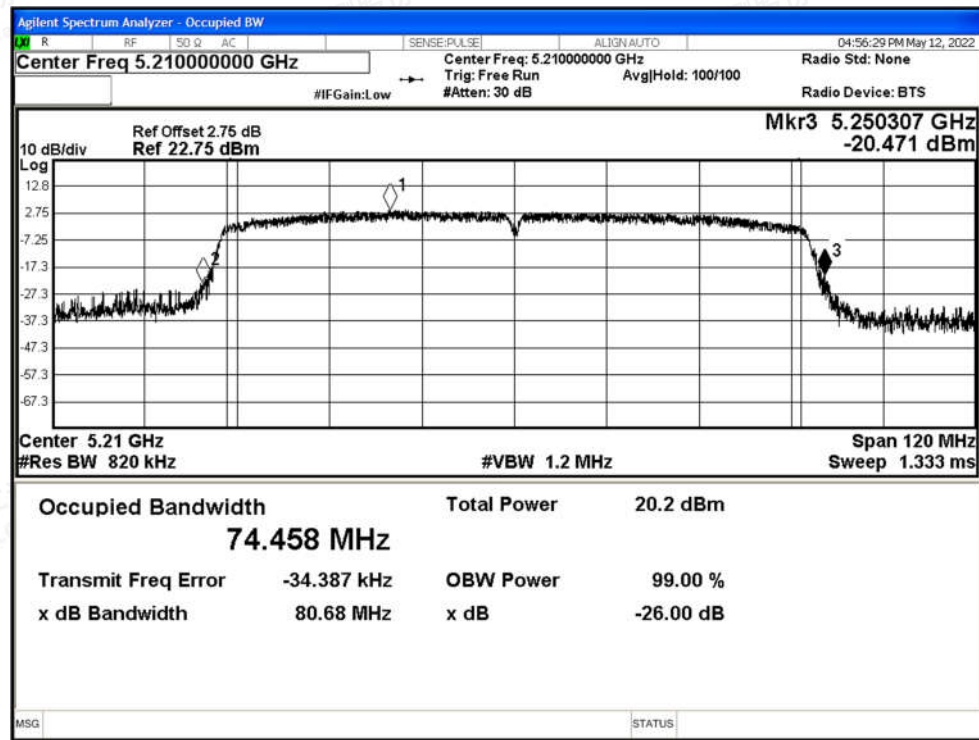




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



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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	Ant0	13.99	0.96	14.95	24	Pass
NVNT	a	5200	Ant0	14.03	0.96	14.99	24	Pass
NVNT	a	5240	Ant0	12.89	0.96	13.85	24	Pass
NVNT	n20	5180	Ant0	12.99	1.02	14.01	24	Pass
NVNT	n20	5200	Ant0	13.15	1.02	14.17	24	Pass
NVNT	n20	5240	Ant0	11.92	1.02	12.94	24	Pass
NVNT	n40	5190	Ant0	12.39	1.87	14.26	24	Pass
NVNT	n40	5230	Ant0	11.11	1.87	12.98	24	Pass
NVNT	ac20	5180	Ant0	12.92	1.02	13.94	24	Pass
NVNT	ac20	5200	Ant0	13.28	1.02	14.3	24	Pass
NVNT	ac20	5240	Ant0	12.37	1.02	13.39	24	Pass
NVNT	ac40	5190	Ant0	12.37	1.86	14.23	24	Pass
NVNT	ac40	5230	Ant0	11.01	1.86	12.87	24	Pass
NVNT	ac80	5210	Ant0	8.99	3.22	12.21	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.48	0	13.48	24	Pass
NVNT	a	5200	Ant1	14.53	0	14.53	24	Pass
NVNT	a	5240	Ant1	13.15	0	13.15	24	Pass
NVNT	n20	5180	Ant1	13.15	0	13.15	24	Pass
NVNT	n20	5200	Ant1	12.29	0	12.29	24	Pass
NVNT	n20	5240	Ant1	11.65	1.02	12.67	24	Pass
NVNT	n40	5190	Ant1	12.66	0	12.66	24	Pass
NVNT	n40	5230	Ant1	13.37	0	13.37	24	Pass
NVNT	ac20	5180	Ant1	13.33	0	13.33	24	Pass
NVNT	ac20	5200	Ant1	12.58	1.02	13.6	24	Pass
NVNT	ac20	5240	Ant1	12.36	1.02	13.38	24	Pass
NVNT	ac40	5190	Ant1	12.56	0	12.56	24	Pass
NVNT	ac40	5230	Ant1	12.61	0	12.61	24	Pass
NVNT	ac80	5210	Ant1	10.82	0	10.82	24	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVNT	n20	5180	14.01	13.15	16.61	24	Pass
NVNT	n20	5200	14.17	12.29	16.34	24	Pass
NVNT	n20	5240	12.94	12.67	15.82	24	Pass
NVNT	n40	5190	14.26	12.66	16.54	24	Pass
NVNT	n40	5230	12.98	13.37	16.19	24	Pass
NVNT	ac20	5180	13.94	13.33	16.66	24	Pass
NVNT	ac20	5200	14.3	13.6	16.97	24	Pass
NVNT	ac20	5240	13.39	13.38	16.40	24	Pass
NVNT	ac40	5190	14.23	12.56	16.49	24	Pass
NVNT	ac40	5230	12.87	12.61	15.75	24	Pass
NVNT	ac80	5210	12.21	10.82	14.58	24	Pass





D.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	-6.83	0.96	-5.87	11	Pass
NVNT	a	5200	Ant0	-7.09	0.96	-6.13	11	Pass
NVNT	a	5240	Ant0	-9.7	0.96	-8.74	11	Pass
NVNT	n20	5180	Ant0	-7.83	1.02	-6.81	11	Pass
NVNT	n20	5200	Ant0	-8.62	1.02	-7.6	11	Pass
NVNT	n20	5240	Ant0	-9.63	1.02	-8.61	11	Pass
NVNT	n40	5190	Ant0	-19.31	1.87	-17.44	11	Pass
NVNT	n40	5230	Ant0	-17.54	1.87	-15.67	11	Pass
NVNT	ac20	5180	Ant0	-12.55	1.02	-11.53	11	Pass
NVNT	ac20	5200	Ant0	-8.58	1.02	-7.56	11	Pass
NVNT	ac20	5240	Ant0	-5.73	1.02	-4.71	11	Pass
NVNT	ac40	5190	Ant0	-19.25	1.86	-17.39	11	Pass
NVNT	ac40	5230	Ant0	-20.05	1.86	-18.19	11	Pass
NVNT	ac80	5210	Ant0	-31.8	3.22	-28.58	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-8.84	0.96	-7.88	11	Pass
NVNT	a	5200	Ant1	-8.54	0.96	-7.58	11	Pass
NVNT	a	5240	Ant1	-10.18	0.96	-9.22	11	Pass
NVNT	n20	5180	Ant1	-11.99	1.02	-10.97	11	Pass
NVNT	n20	5200	Ant1	-8.05	1.02	-7.03	11	Pass
NVNT	n20	5240	Ant1	-11.15	1.02	-10.13	11	Pass
NVNT	n40	5190	Ant1	-16.96	1.87	-15.09	11	Pass
NVNT	n40	5230	Ant1	-19.52	1.87	-17.65	11	Pass
NVNT	ac20	5180	Ant1	-9.83	1.02	-8.81	11	Pass
NVNT	ac20	5200	Ant1	-10.26	1.02	-9.24	11	Pass
NVNT	ac20	5240	Ant1	-8.99	1.02	-7.97	11	Pass
NVNT	ac40	5190	Ant1	-19.8	1.86	-17.94	11	Pass
NVNT	ac40	5230	Ant1	-17.68	1.86	-15.82	11	Pass
NVNT	ac80	5210	Ant1	-29.53	3.22	-26.31	11	Pass





MIMO

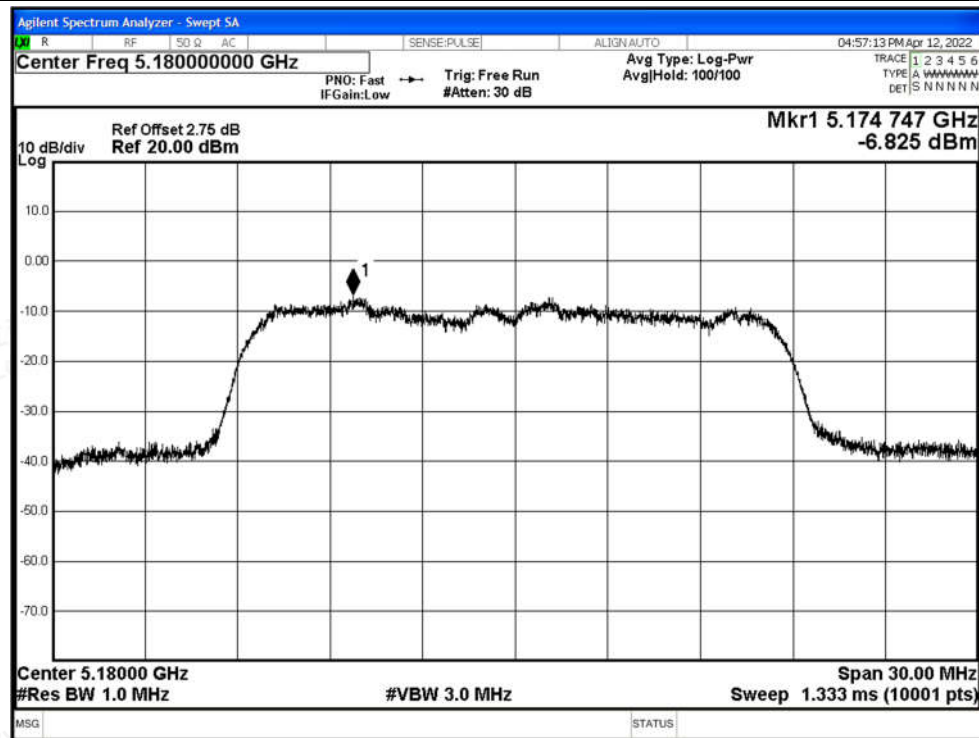
Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit (dBm)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVNT	n20	5180	-6.81	-10.97	-5.40	11	Pass
NVNT	n20	5200	-7.6	-7.03	-4.30	11	Pass
NVNT	n20	5240	-8.61	-10.13	-6.29	11	Pass
NVNT	n40	5190	-17.44	-15.09	-13.10	11	Pass
NVNT	n40	5230	-15.67	-17.65	-13.54	11	Pass
NVNT	ac20	5180	-11.53	-8.81	-6.95	11	Pass
NVNT	ac20	5200	-7.56	-9.24	-5.31	11	Pass
NVNT	ac20	5240	-4.71	-7.97	-3.03	11	Pass
NVNT	ac40	5190	-17.39	-17.94	-14.65	11	Pass
NVNT	ac40	5230	-18.19	-15.82	-13.83	11	Pass
NVNT	ac80	5210	-28.58	-26.31	-24.29	11	Pass



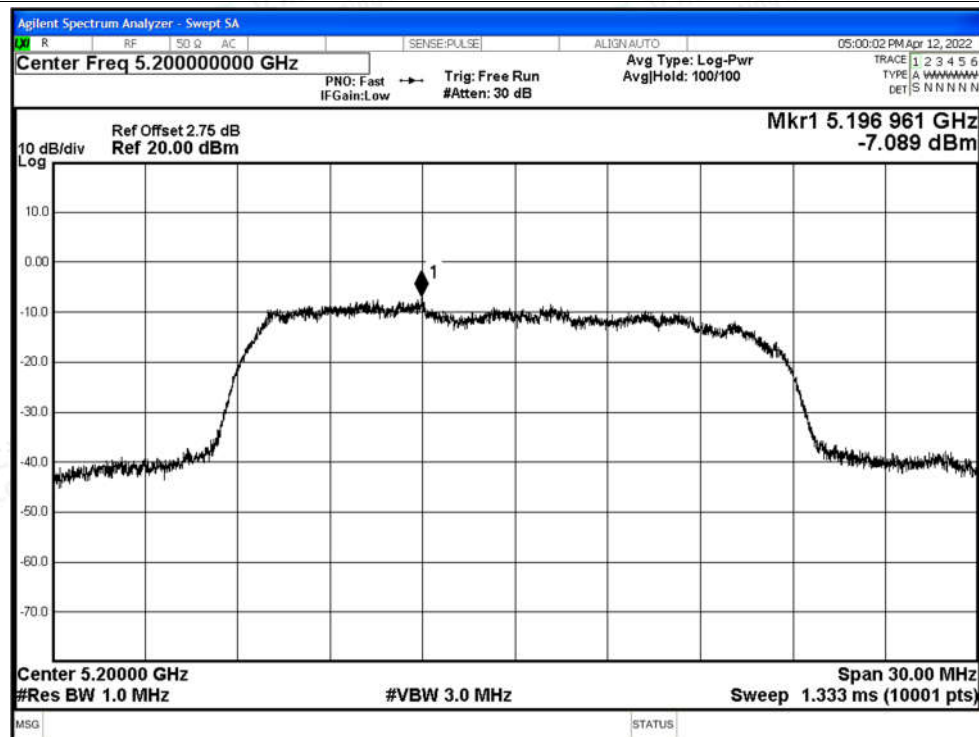


Test Graphs

PSD NVNT a 5180MHz Ant0

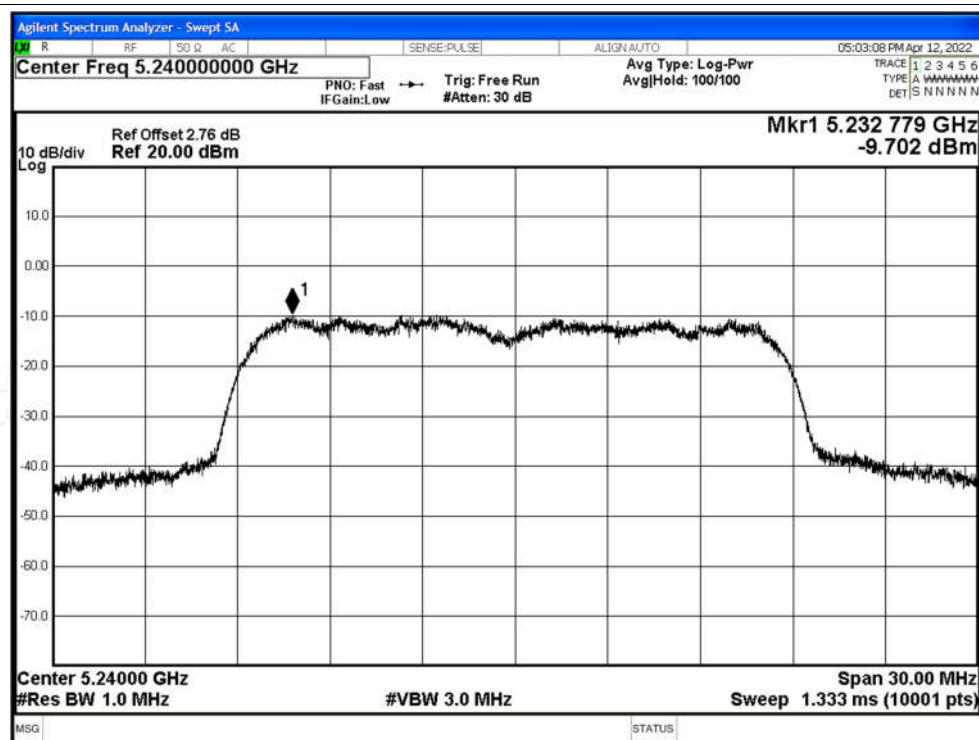


PSD NVNT a 5200MHz Ant0

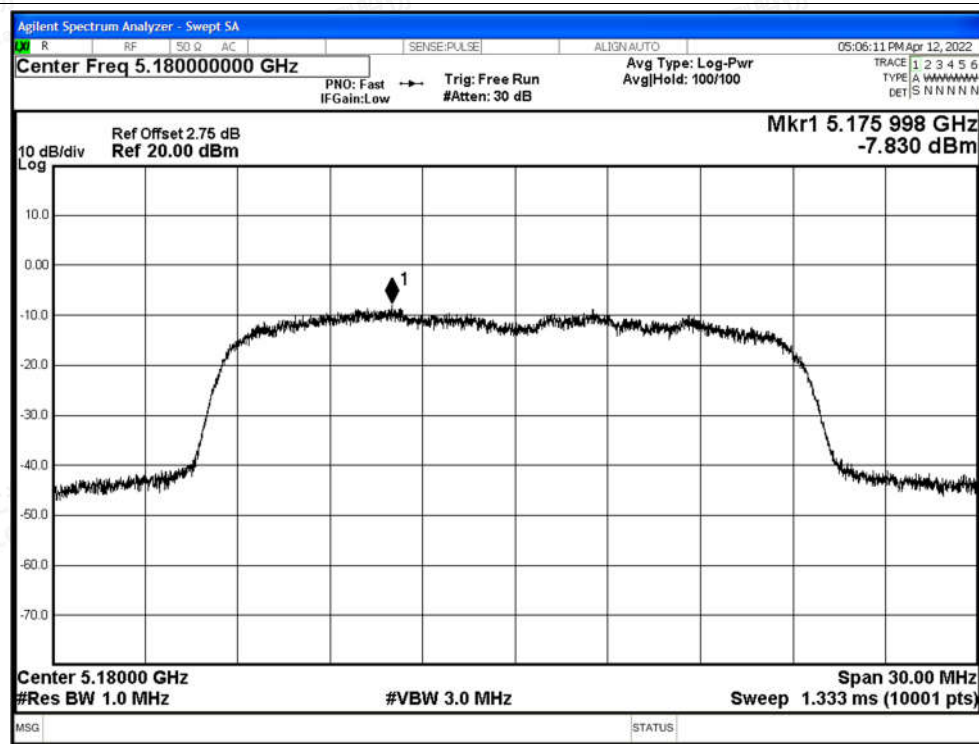




PSD NVNT a 5240MHz Ant0



PSD NVNT n20 5180MHz Ant0



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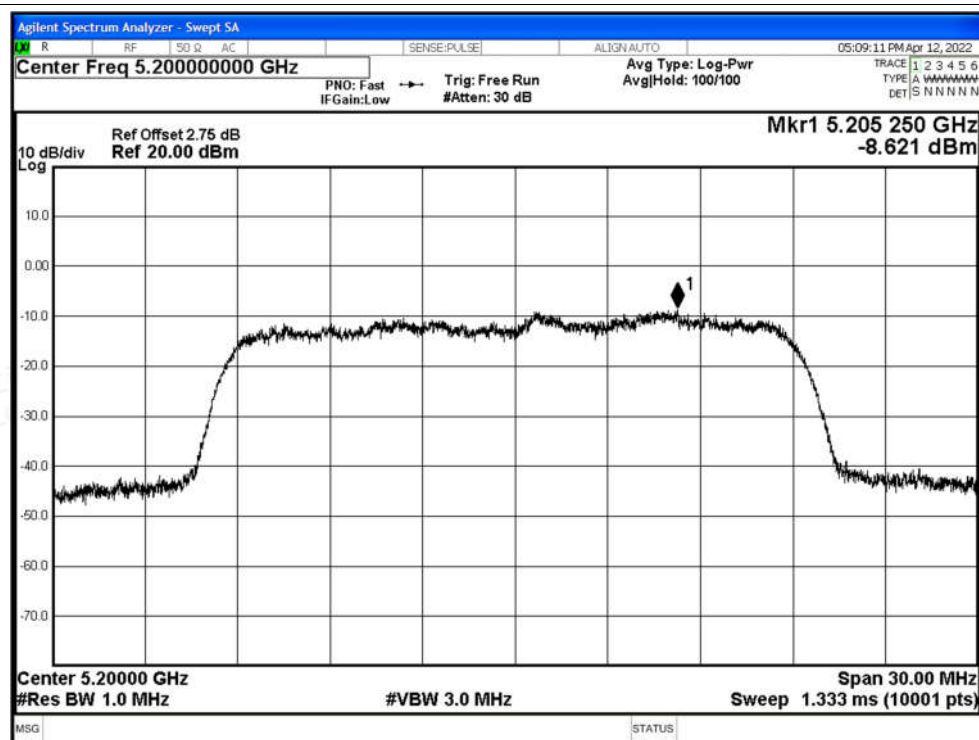
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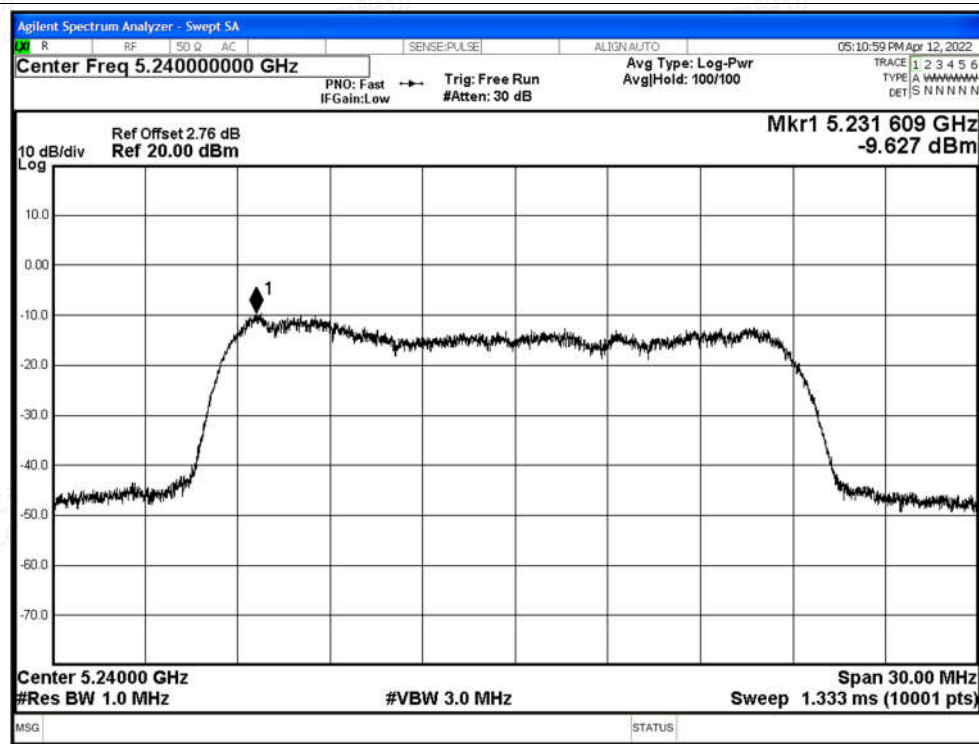
Scan code to check authenticity



PSD NVNT n20 5200MHz Ant0



PSD NVNT n20 5240MHz Ant0

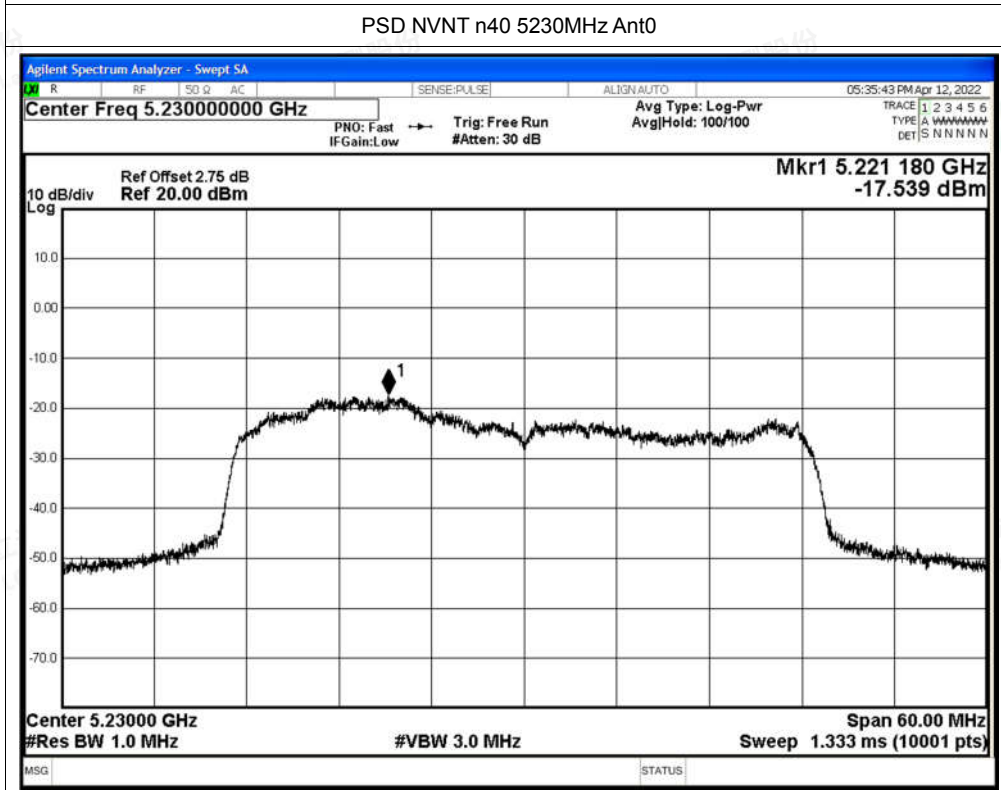
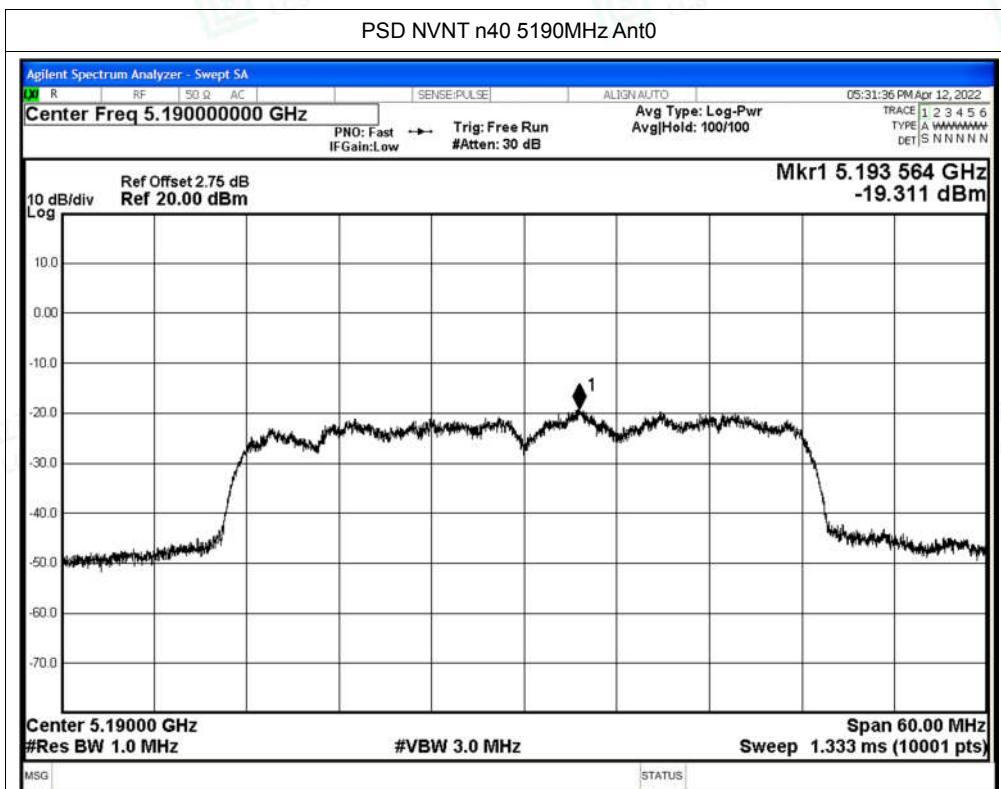


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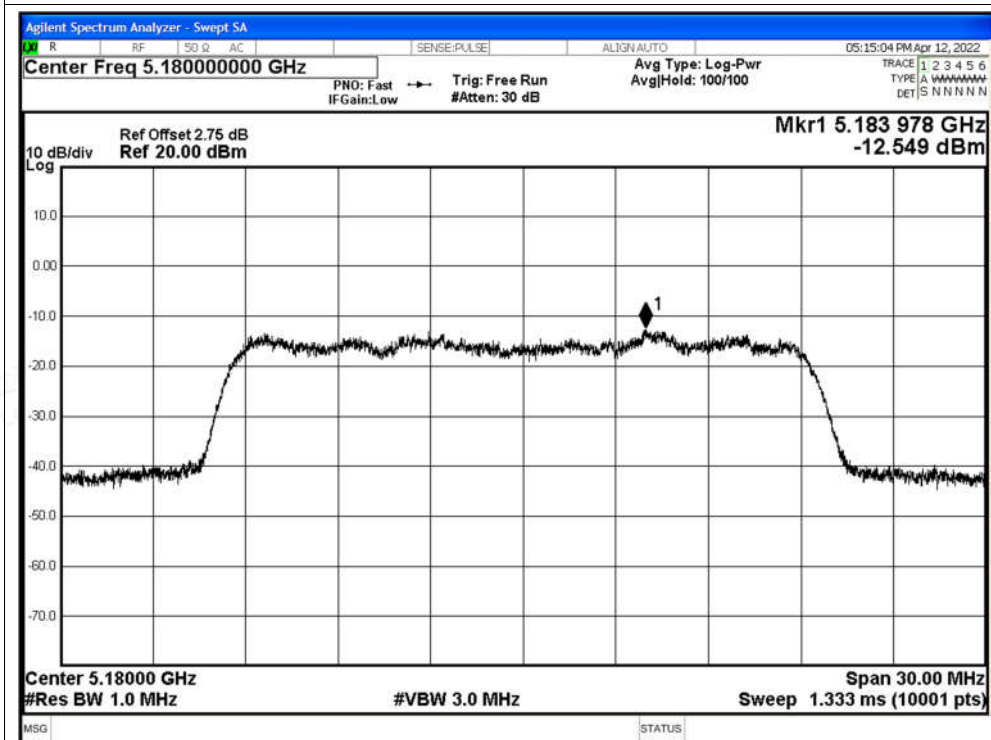
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

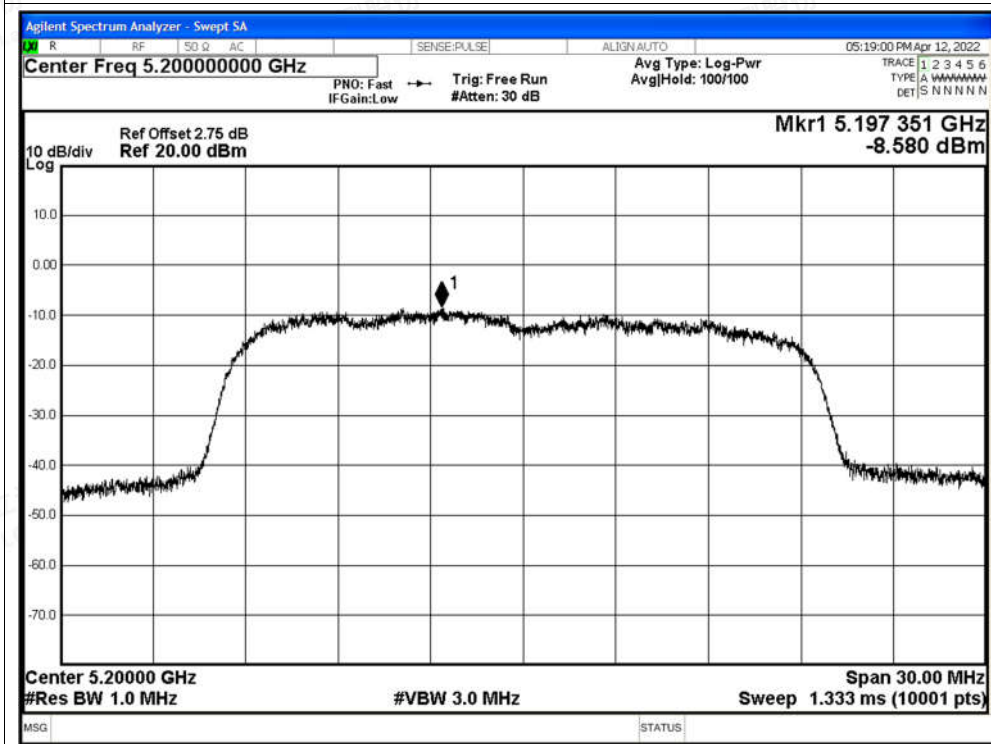
Scan code to check authenticity



PSD NVNT ac20 5180MHz Ant0



PSD NVNT ac20 5200MHz Ant0



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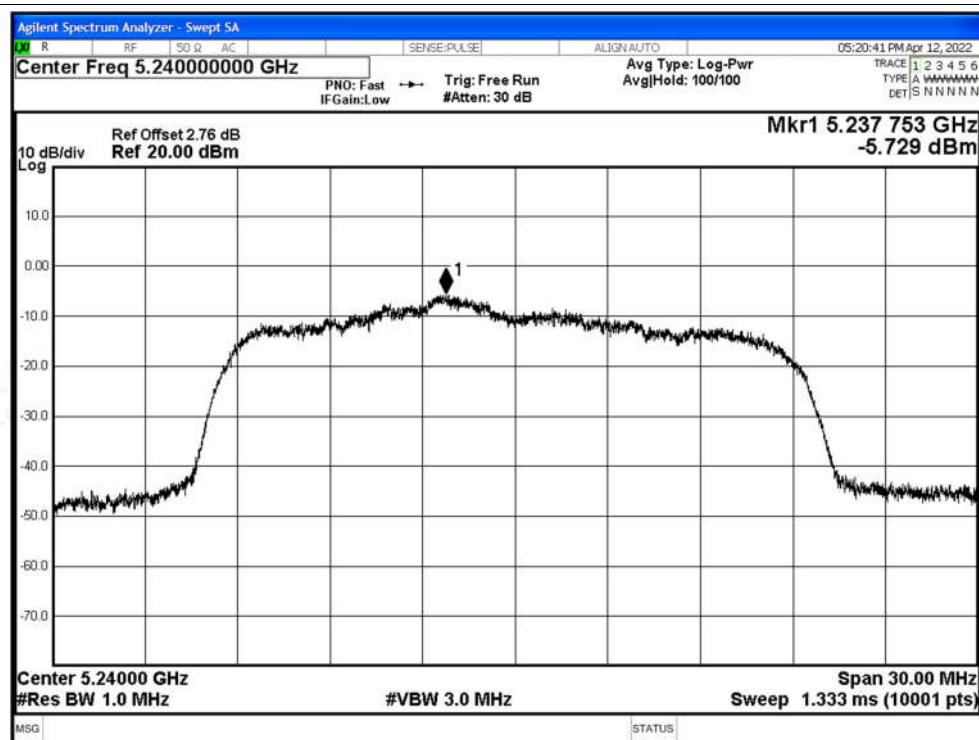
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

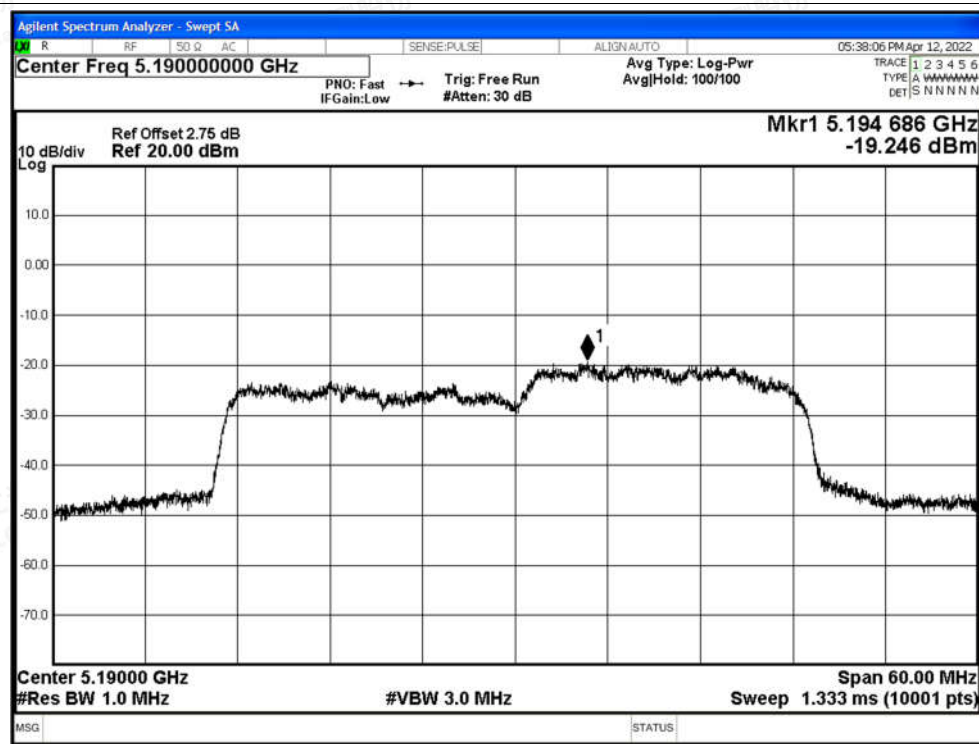
Scan code to check authenticity



PSD NVNT ac20 5240MHz Ant0



PSD NVNT ac40 5190MHz Ant0



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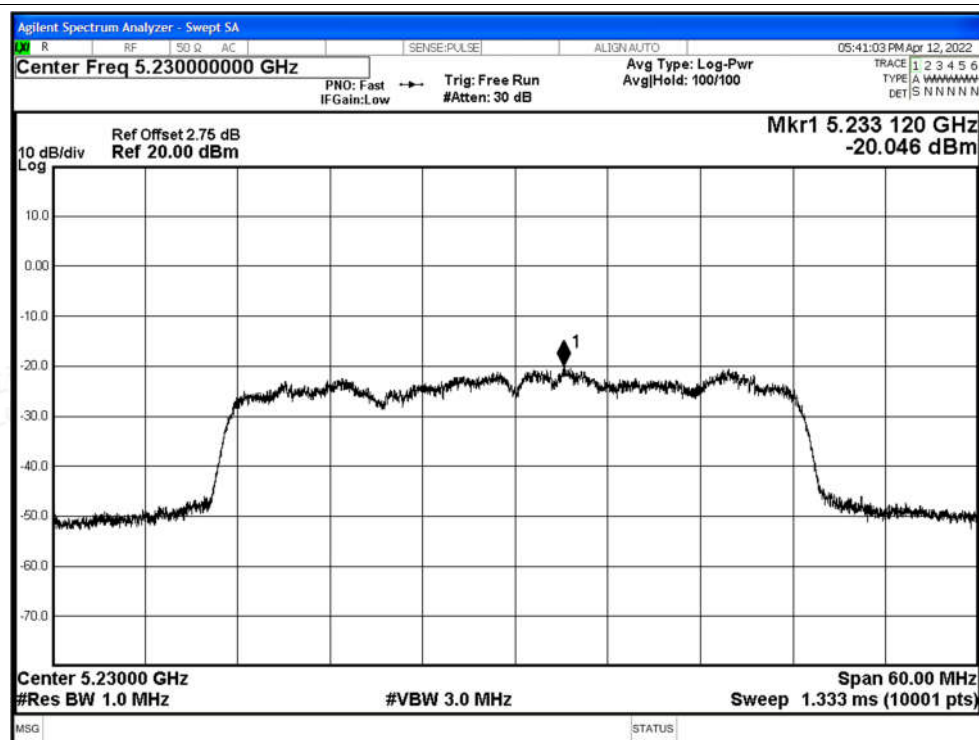
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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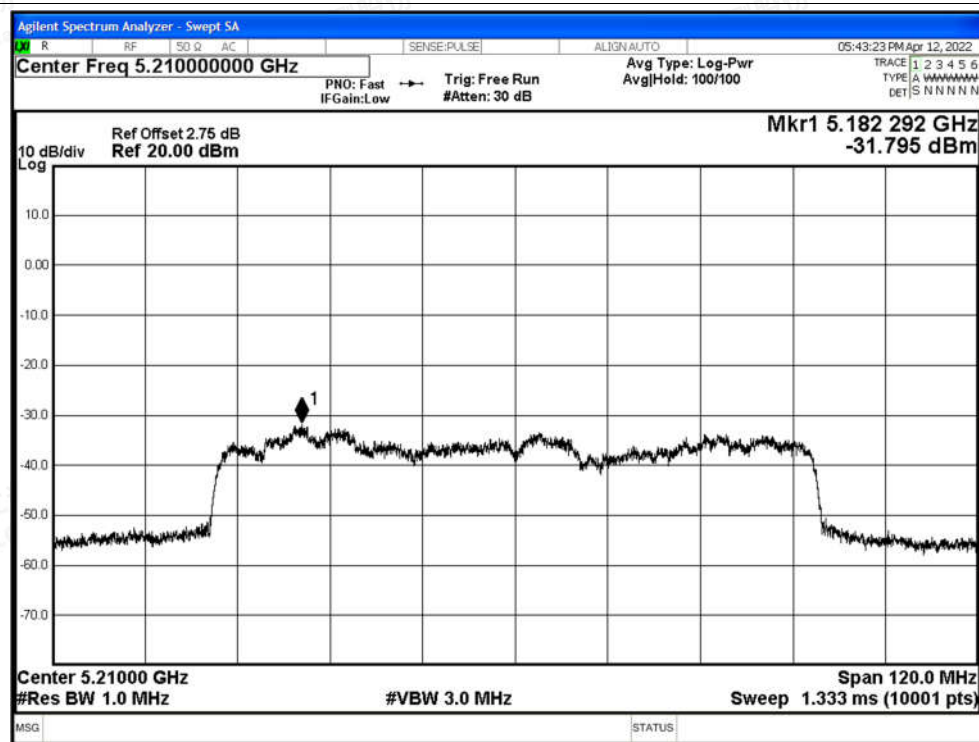
Scan code to check authenticity



PSD NVNT ac40 5230MHz Ant0



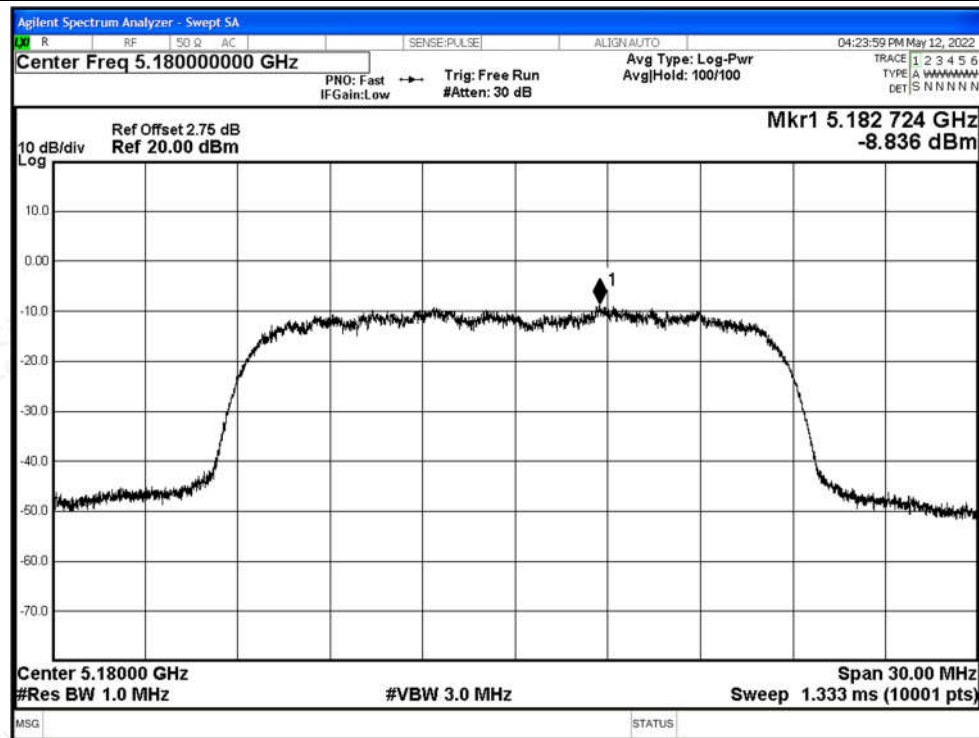
PSD NVNT ac80 5210MHz Ant0



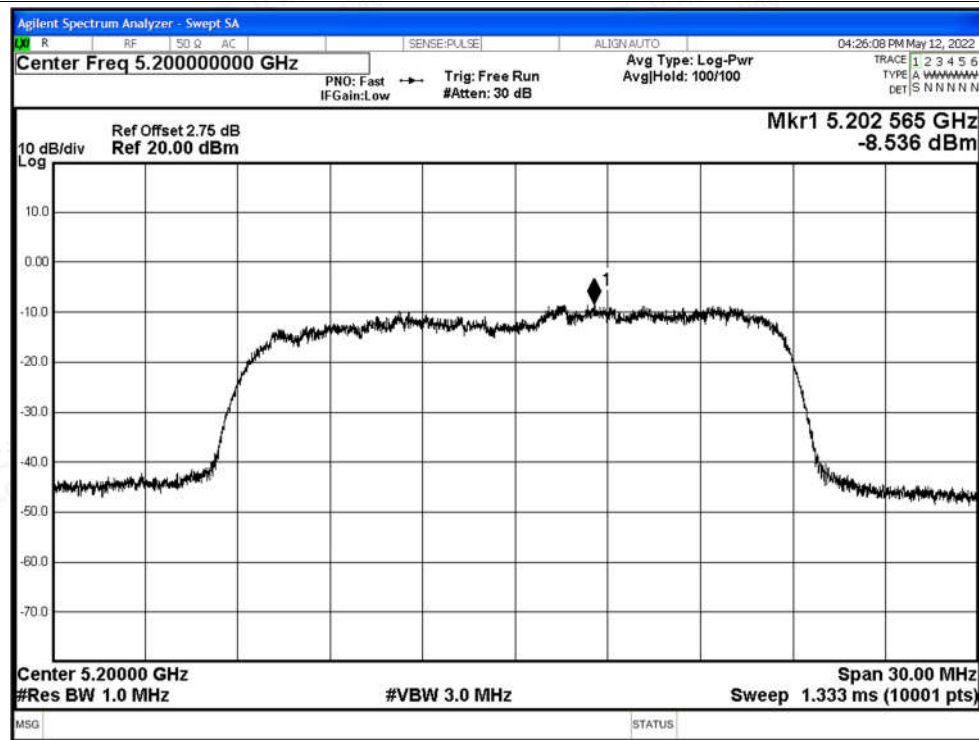


Test Graphs

PSD NVNT a 5180MHz Ant1

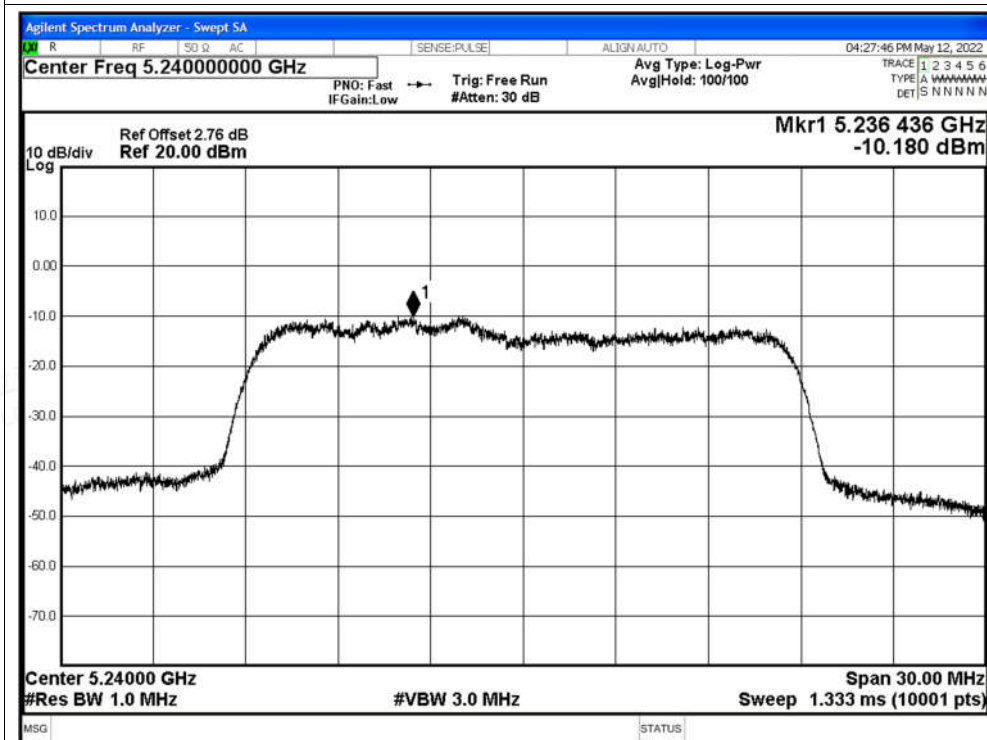


PSD NVNT a 5200MHz Ant1

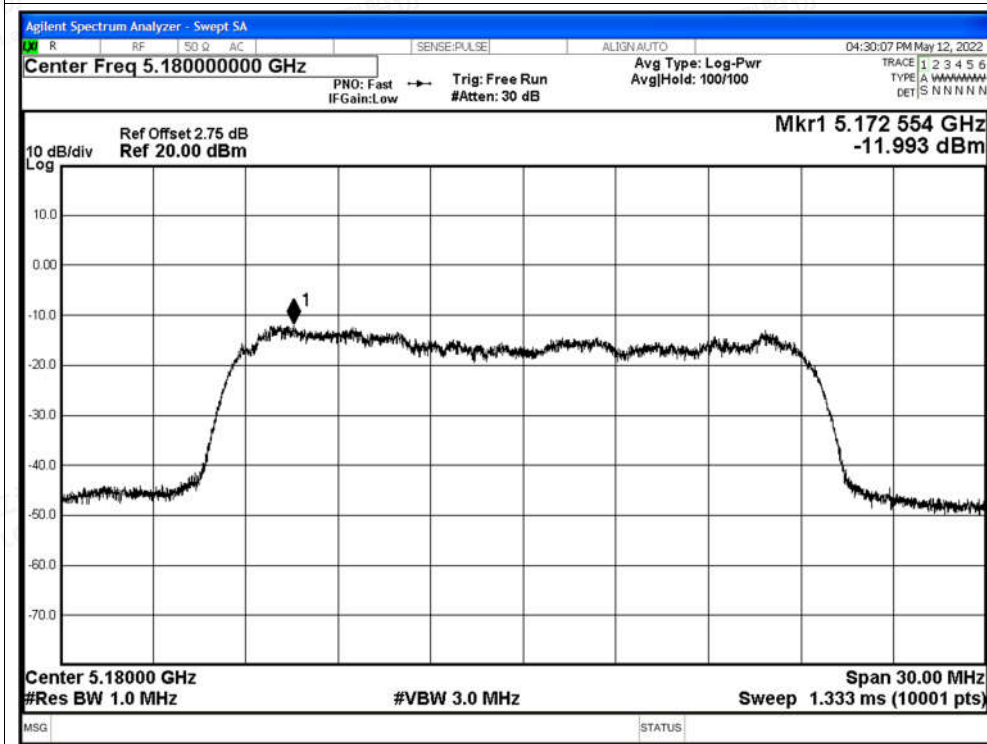




PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1



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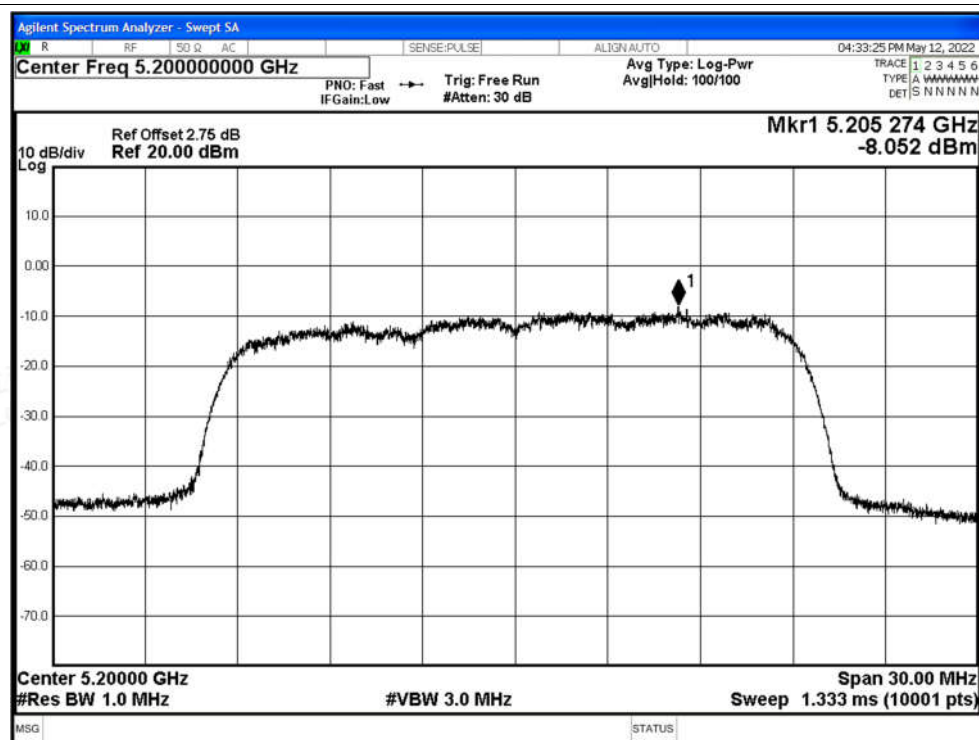
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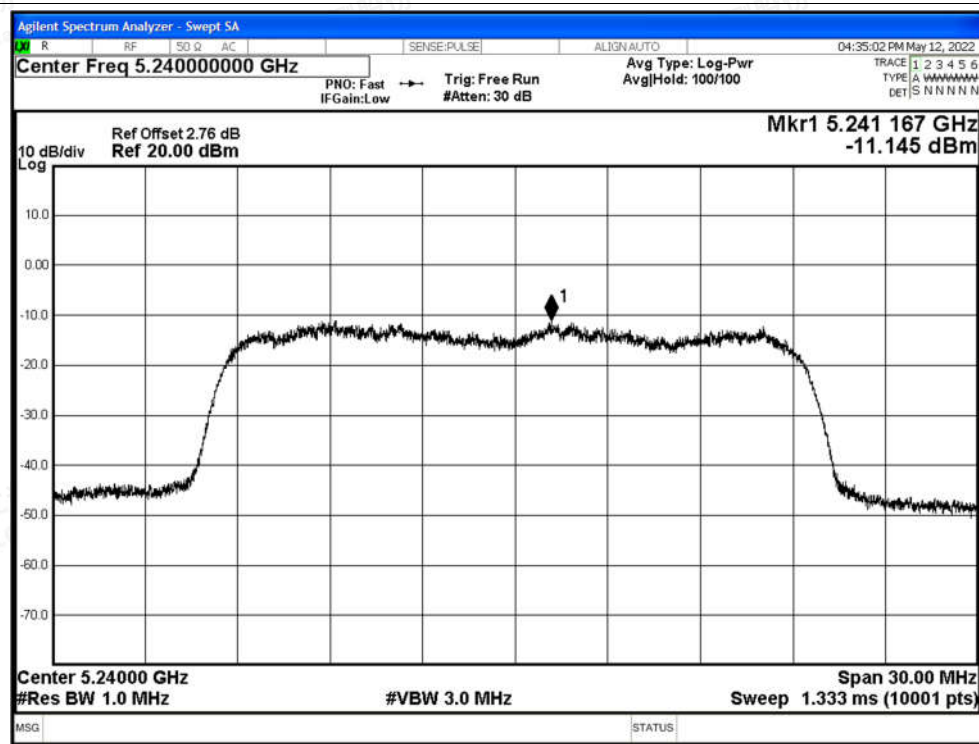
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PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

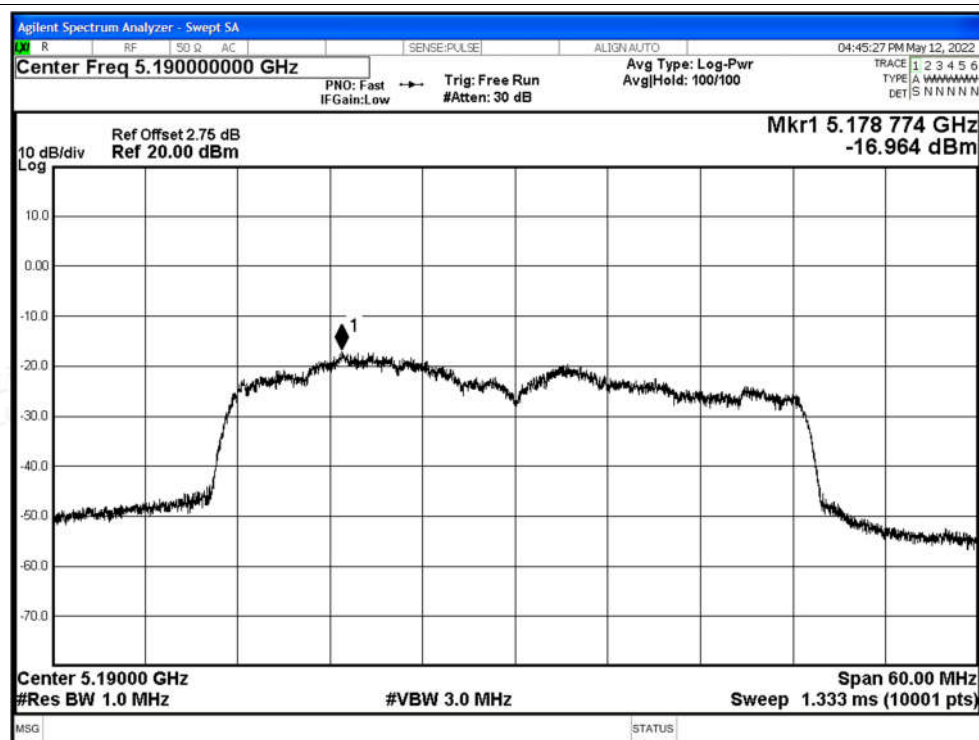
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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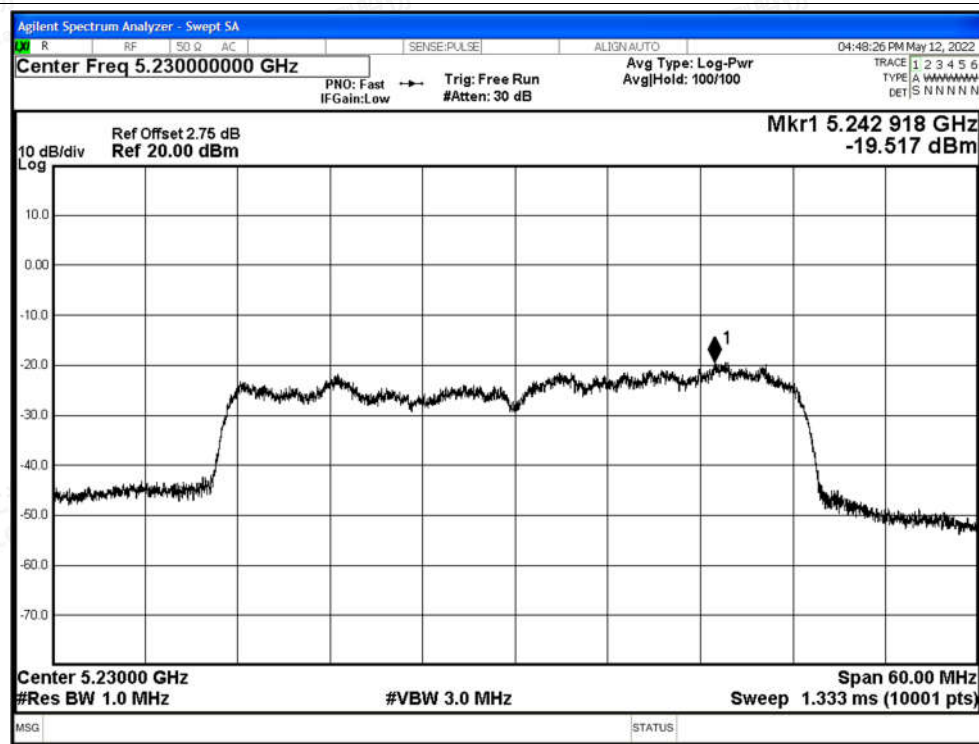
Scan code to check authenticity



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



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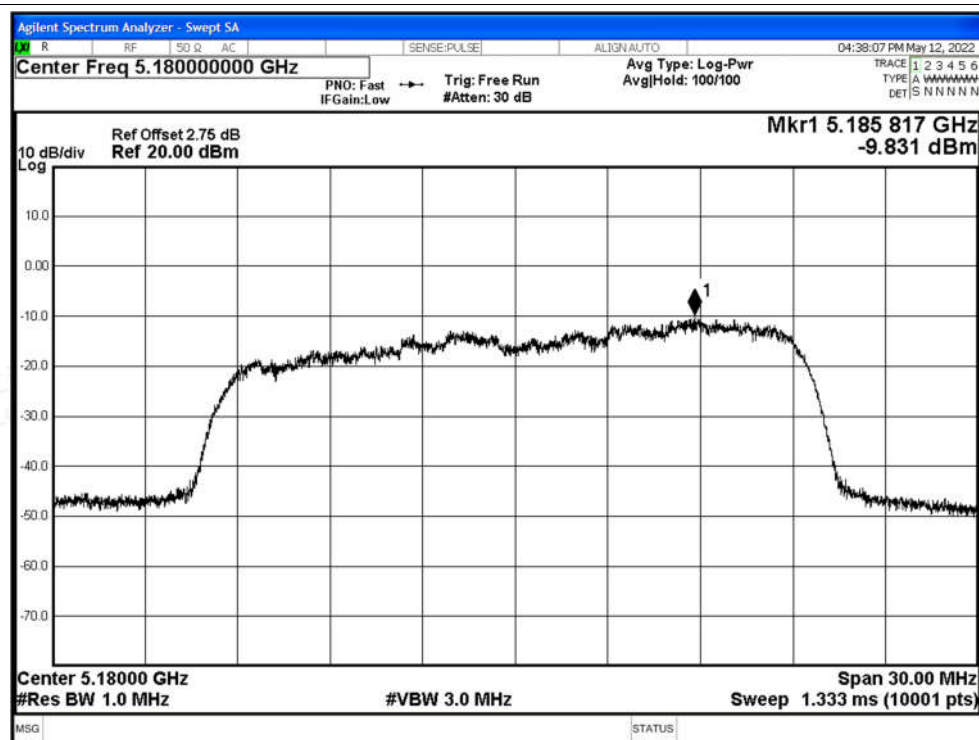
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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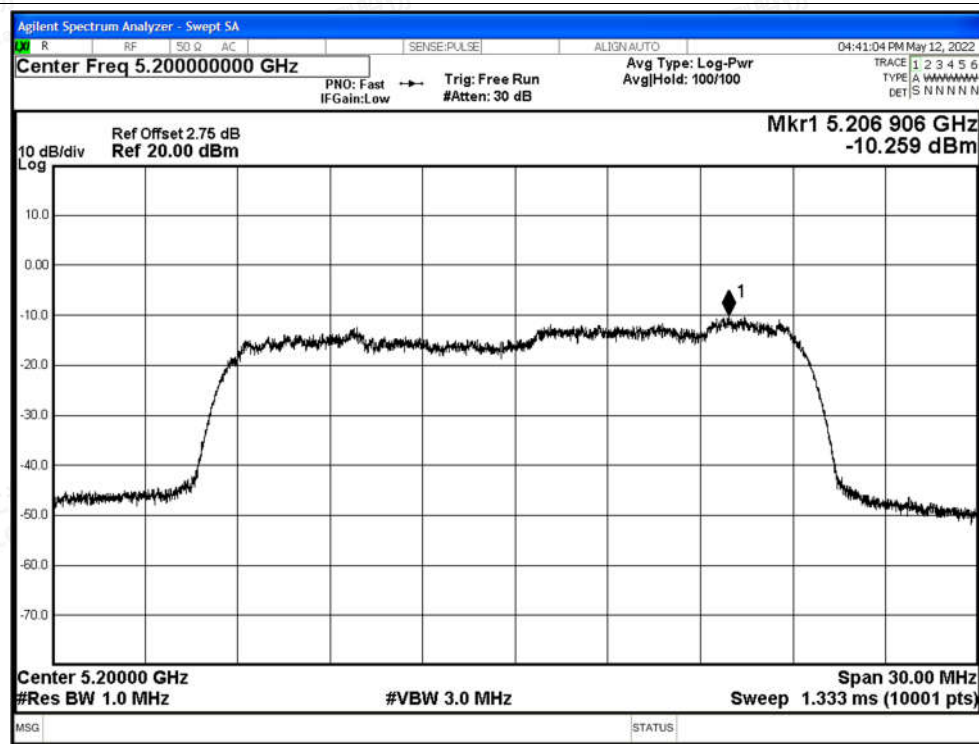
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PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



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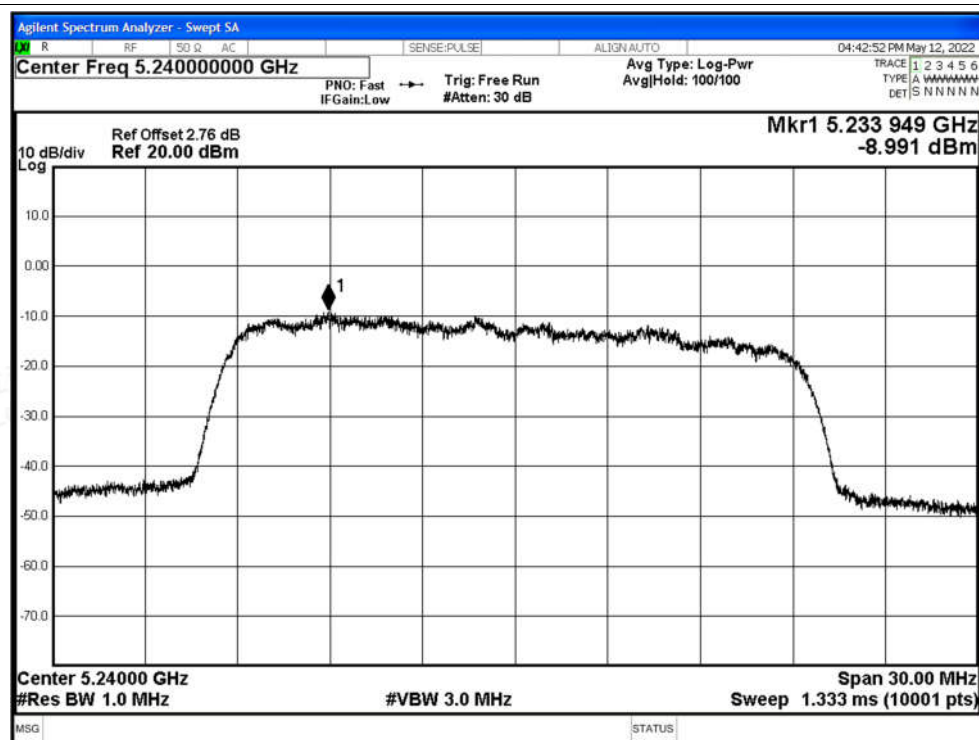
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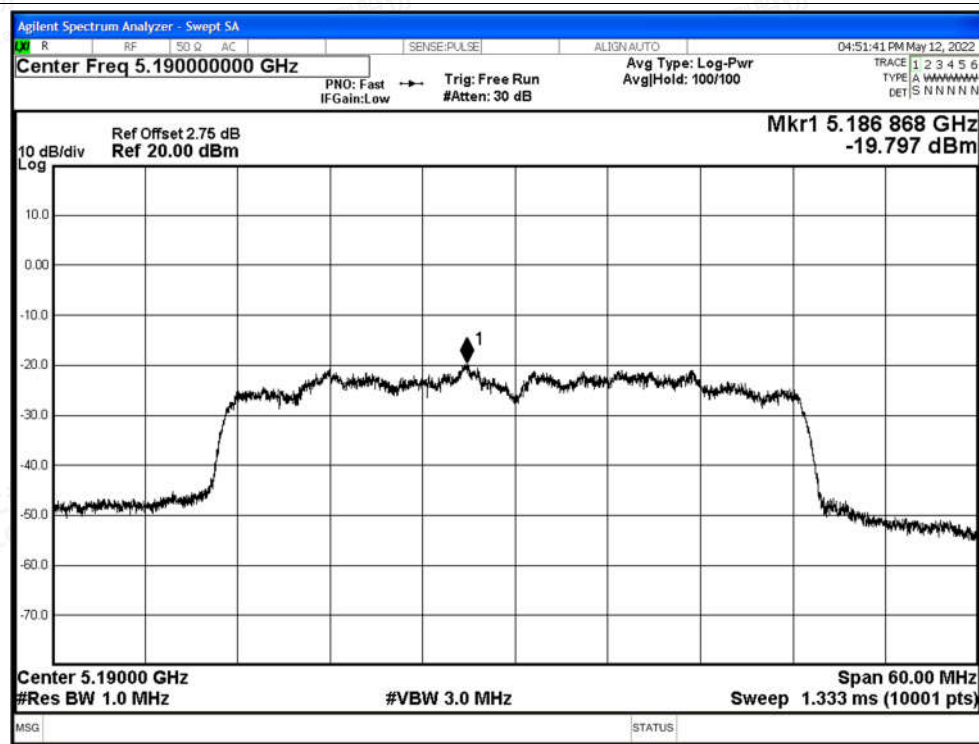
Scan code to check authenticity



PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1



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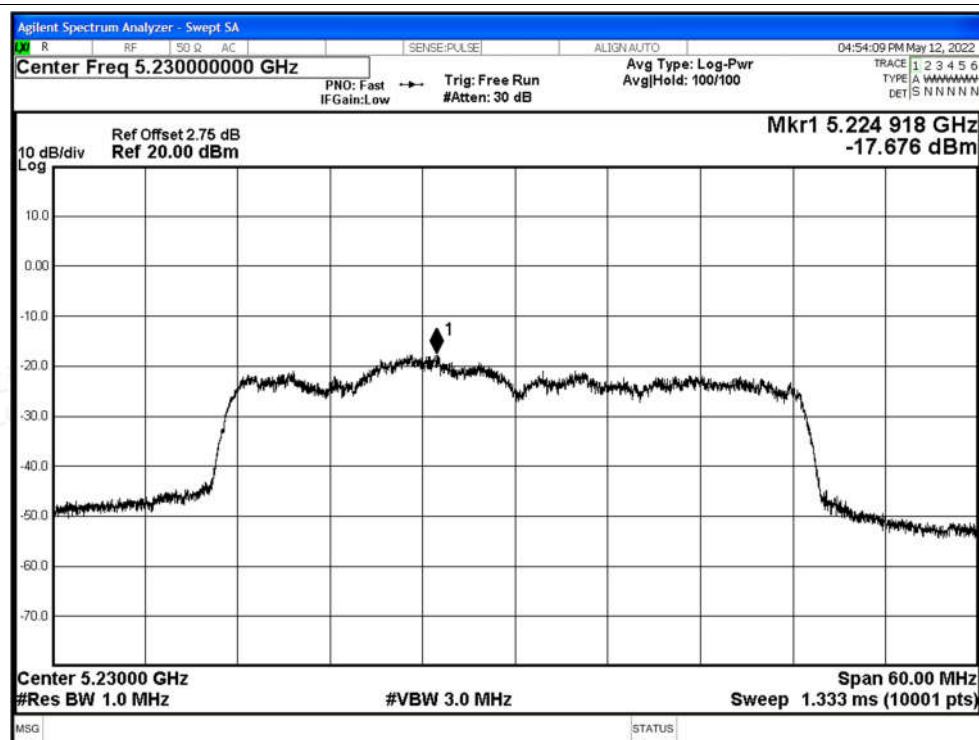
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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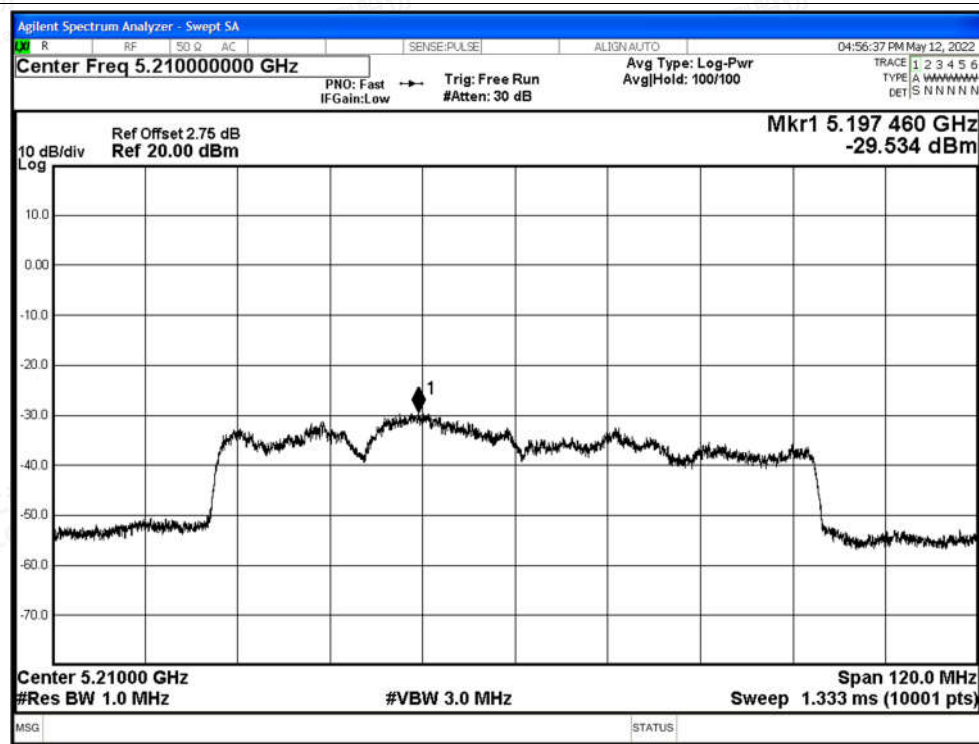
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PSD NVNT ac40 5230MHz Ant1



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	Ant0	4500	-51.32	2	45.91	Peak	68.2	Pass
NVNT	a	5180	Ant0	4500	-60.72	2	36.51	Average	54	Pass
NVNT	a	5180	Ant0	5149.6	-36.69	2	60.54	Peak	68.2	Pass
NVNT	a	5180	Ant0	5149.6	-50.77	2	46.46	Average	54	Pass
NVNT	a	5180	Ant0	5150	-35.44	2	61.79	Peak	68.2	Pass
NVNT	a	5180	Ant0	5150	-50.1	2	47.13	Average	54	Pass
NVNT	a	5240	Ant0	5350	-49.33	2	47.9	Peak	68.2	Pass
NVNT	a	5240	Ant0	5350	-59.32	2	37.91	Average	54	Pass
NVNT	a	5240	Ant0	5354.64	-46.8	2	50.43	Peak	68.2	Pass
NVNT	a	5240	Ant0	5365.92	-59.18	2	38.05	Average	54	Pass
NVNT	a	5240	Ant0	5460	-49.39	2	47.84	Peak	68.2	Pass
NVNT	a	5240	Ant0	5460	-59.49	2	37.74	Average	54	Pass
NVNT	n20	5180	Ant0	4500	-51.68	2	45.55	Peak	68.2	Pass
NVNT	n20	5180	Ant0	4500	-60.6	2	36.63	Average	54	Pass
NVNT	n20	5180	Ant0	5148.2	-39.51	2	57.72	Peak	68.2	Pass
NVNT	n20	5180	Ant0	5149.6	-52.22	2	45.01	Average	54	Pass
NVNT	n20	5180	Ant0	5150	-40.52	2	56.71	Peak	68.2	Pass
NVNT	n20	5180	Ant0	5150	-51.74	2	45.49	Average	54	Pass
NVNT	n20	5240	Ant0	5350	-47.48	2	49.75	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5350	-59.37	2	37.86	Average	54	Pass
NVNT	n20	5240	Ant0	5350.32	-47.2	2	50.03	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5358	-59.15	2	38.08	Average	54	Pass
NVNT	n20	5240	Ant0	5460	-50.6	2	46.63	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5460	-59.69	2	37.54	Average	54	Pass
NVNT	n40	5190	Ant0	4500	-51.61	2	45.62	Peak	68.2	Pass
NVNT	n40	5190	Ant0	4500	-60.5	2	36.73	Average	54	Pass
NVNT	n40	5190	Ant0	5147.51	-32.45	2	64.78	Peak	68.2	Pass
NVNT	n40	5190	Ant0	5149.7	-45.64	2	51.59	Average	54	Pass
NVNT	n40	5190	Ant0	5150	-33.86	2	63.37	Peak	68.2	Pass
NVNT	n40	5190	Ant0	5150	-45.42	2	51.81	Average	54	Pass
NVNT	n40	5230	Ant0	5350	-49.68	2	47.55	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5350	-58.72	2	38.51	Average	54	Pass
NVNT	n40	5230	Ant0	5370.36	-47.37	2	49.86	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5353.35	-58.6	2	38.63	Average	54	Pass
NVNT	n40	5230	Ant0	5460	-49.69	2	47.54	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5460	-59.14	2	38.09	Average	54	Pass
NVNT	ac20	5180	Ant0	4500	-50.96	2	46.27	Peak	68.2	Pass



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NVNT	ac20	5180	Ant0	4500	-60.74	2	36.49	Average	54	Pass
NVNT	ac20	5180	Ant0	5148.9	-39.75	2	57.48	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	5149.6	-51.65	2	45.58	Average	54	Pass
NVNT	ac20	5180	Ant0	5150	-39.23	2	58	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	5150	-51.27	2	45.96	Average	54	Pass
NVNT	ac20	5240	Ant0	5350	-50.09	2	47.14	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5350	-59.46	2	37.77	Average	54	Pass
NVNT	ac20	5240	Ant0	5410.08	-46.1	2	51.13	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5367.12	-59.18	2	38.05	Average	54	Pass
NVNT	ac20	5240	Ant0	5460	-51.27	2	45.96	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5460	-59.56	2	37.67	Average	54	Pass
NVNT	ac40	5190	Ant0	4500	-52	2	45.23	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	4500	-60.52	2	36.71	Average	54	Pass
NVNT	ac40	5190	Ant0	5146.05	-32.42	2	64.81	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	5149.7	-45.71	2	51.52	Average	54	Pass
NVNT	ac40	5190	Ant0	5150	-32.46	2	64.77	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	5150	-45.2	2	52.03	Average	54	Pass
NVNT	ac40	5230	Ant0	5350	-49.65	2	47.58	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5350	-58.92	2	38.31	Average	54	Pass
NVNT	ac40	5230	Ant0	5414.64	-46.55	2	50.68	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5371.98	-58.55	2	38.68	Average	54	Pass
NVNT	ac40	5230	Ant0	5460	-48.41	2	48.82	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5460	-58.84	2	38.39	Average	54	Pass
NVNT	ac80	5210	Ant0	5350	-51.01	2	46.22	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5350	-58.62	2	38.61	Average	54	Pass
NVNT	ac80	5210	Ant0	5373.21	-47.12	2	50.11	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5369.91	-58.16	2	39.07	Average	54	Pass
NVNT	ac80	5210	Ant0	5460	-48.45	2	48.78	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5460	-58.76	2	38.47	Average	54	Pass
NVNT	ac80	5210	Ant0	4500	-51.64	2	45.59	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	4500	-60.23	2	37	Average	54	Pass
NVNT	ac80	5210	Ant0	5147.01	-33.14	2	64.09	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5149.38	-47.42	2	49.81	Average	54	Pass
NVNT	ac80	5210	Ant0	5150	-36.56	2	60.67	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5150	-47.61	2	49.62	Average	54	Pass



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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	-50.36	2	46.87	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-60.86	2	36.37	Average	54	Pass
NVNT	a	5180	Ant1	5144	-41.42	2	55.81	Peak	68.2	Pass
NVNT	a	5180	Ant1	5097.8	-55.99	2	41.24	Average	54	Pass
NVNT	a	5180	Ant1	5150	-44.18	2	53.05	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-55.88	2	41.35	Average	54	Pass
NVNT	a	5240	Ant1	5350	-48.02	2	49.21	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-56.25	2	40.98	Average	54	Pass
NVNT	a	5240	Ant1	5376	-45.65	2	51.58	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350.32	-56.06	2	41.17	Average	54	Pass
NVNT	a	5240	Ant1	5460	-49.49	2	47.74	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-59.5	2	37.73	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-51.42	2	45.81	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-60.75	2	36.48	Average	54	Pass
NVNT	n20	5180	Ant1	5147.5	-42.41	2	54.82	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-55.45	2	41.78	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-43.68	2	53.55	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-55.21	2	42.02	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-47.56	2	49.67	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-56.99	2	40.24	Average	54	Pass
NVNT	n20	5240	Ant1	5352	-45.64	2	51.59	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350.8	-56.7	2	40.53	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.09	2	48.14	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-59.65	2	37.58	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-49.79	2	47.44	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-60.42	2	36.81	Average	54	Pass
NVNT	n40	5190	Ant1	5149.7	-36.24	2	60.99	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-46.89	2	50.34	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-34.96	2	62.27	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-46.81	2	50.42	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-47.54	2	49.69	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-56.41	2	40.82	Average	54	Pass
NVNT	n40	5230	Ant1	5355.78	-45.48	2	51.75	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350.92	-55.91	2	41.32	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-48.35	2	48.88	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-57.78	2	39.45	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-51.25	2	45.98	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-60.74	2	36.49	Average	54	Pass



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NVNT	ac20	5180	Ant1	5094.3	-44.11	2	53.12	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-55.26	2	41.97	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-44.03	2	53.2	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-55.07	2	42.16	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-46.98	2	50.25	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-56.81	2	40.42	Average	54	Pass
NVNT	ac20	5240	Ant1	5351.52	-45.67	2	51.56	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350.32	-56.67	2	40.56	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-51.27	2	45.96	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-59.56	2	37.67	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-50.51	2	46.72	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-60.53	2	36.7	Average	54	Pass
NVNT	ac40	5190	Ant1	5143.13	-33.45	2	63.78	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-46.18	2	51.05	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-35.56	2	61.67	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-45.5	2	51.73	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-48.59	2	48.64	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-56.4	2	40.83	Average	54	Pass
NVNT	ac40	5230	Ant1	5456.22	-45.11	2	52.12	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350.11	-56.4	2	40.83	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-48.33	2	48.9	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-57.93	2	39.3	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-48.82	2	48.41	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-56.97	2	40.26	Average	54	Pass
NVNT	ac80	5210	Ant1	5351.43	-46.04	2	51.19	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5369.91	-55.07	2	42.16	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-49.96	2	47.27	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-58.32	2	38.91	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-51.6	2	45.63	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-60.26	2	36.97	Average	54	Pass
NVNT	ac80	5210	Ant1	5149.38	-38.92	2	58.31	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5149.38	-49.52	2	47.71	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-40.32	2	56.91	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-49.97	2	47.26	Average	54	Pass



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MIMO

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)			E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
				ANT0	ANT1	ANT0+ANT1				
NVNT	n20	5180	4500	-51.68	-51.42	-48.54	46.69	Peak	68.2	Pass
NVNT	n20	5180	4500	-60.6	-60.75	-57.66	37.56	Average	54	Pass
NVNT	n20	5180	5148.2	-39.51	-42.41	-37.71	57.52	Peak	68.2	Pass
NVNT	n20	5180	5149.6	-52.22	-55.45	-50.53	44.70	Average	54	Pass
NVNT	n20	5180	5150	-40.52	-43.68	-38.81	56.42	Peak	68.2	Pass
NVNT	n20	5180	5150	-51.74	-55.21	-50.13	45.10	Average	54	Pass
NVNT	n20	5240	5350	-47.48	-47.56	-44.51	50.72	Peak	68.2	Pass
NVNT	n20	5240	5350	-59.37	-56.99	-55.01	40.22	Average	54	Pass
NVNT	n20	5240	5350.32	-47.2	-45.64	-43.34	51.89	Peak	68.2	Pass
NVNT	n20	5240	5358	-59.15	-56.7	-54.74	40.48	Average	54	Pass
NVNT	n20	5240	5460	-50.6	-49.09	-46.77	48.46	Peak	68.2	Pass
NVNT	n20	5240	5460	-59.69	-59.65	-56.66	38.57	Average	54	Pass
NVNT	n40	5190	4500	-51.61	-49.79	-47.60	47.63	Peak	68.2	Pass
NVNT	n40	5190	4500	-60.5	-60.42	-57.45	37.78	Average	54	Pass
NVNT	n40	5190	5147.51	-32.45	-36.24	-30.93	64.29	Peak	68.2	Pass
NVNT	n40	5190	5149.7	-45.64	-46.89	-43.21	52.02	Average	54	Pass
NVNT	n40	5190	5150	-33.86	-34.96	-31.36	63.86	Peak	68.2	Pass
NVNT	n40	5190	5150	-45.42	-46.81	-43.05	52.18	Average	54	Pass
NVNT	n40	5230	5350	-49.68	-47.54	-45.47	49.76	Peak	68.2	Pass
NVNT	n40	5230	5350	-58.72	-56.41	-54.40	40.82	Average	54	Pass
NVNT	n40	5230	5370.36	-47.37	-45.48	-43.31	51.91	Peak	68.2	Pass
NVNT	n40	5230	5353.35	-58.6	-55.91	-54.04	41.19	Average	54	Pass
NVNT	n40	5230	5460	-49.69	-48.35	-45.96	49.27	Peak	68.2	Pass
NVNT	n40	5230	5460	-59.14	-57.78	-55.40	39.83	Average	54	Pass
NVNT	ac20	5180	4500	-50.96	-51.25	-48.09	47.14	Peak	68.2	Pass
NVNT	ac20	5180	4500	-60.74	-60.74	-57.73	37.50	Average	54	Pass
NVNT	ac20	5180	5148.9	-39.75	-44.11	-38.39	56.83	Peak	68.2	Pass
NVNT	ac20	5180	5149.6	-51.65	-55.26	-50.08	45.15	Average	54	Pass
NVNT	ac20	5180	5150	-39.23	-44.03	-37.99	57.24	Peak	68.2	Pass
NVNT	ac20	5180	5150	-51.27	-55.07	-49.76	45.47	Average	54	Pass
NVNT	ac20	5240	5350	-50.09	-46.98	-45.25	49.98	Peak	68.2	Pass
NVNT	ac20	5240	5350	-59.46	-56.81	-54.93	40.30	Average	54	Pass
NVNT	ac20	5240	5410.08	-46.1	-45.67	-42.87	52.36	Peak	68.2	Pass
NVNT	ac20	5240	5367.12	-59.18	-56.67	-54.74	40.49	Average	54	Pass
NVNT	ac20	5240	5460	-51.27	-51.27	-48.26	46.97	Peak	68.2	Pass
NVNT	ac20	5240	5460	-59.56	-59.56	-56.55	38.68	Average	54	Pass
NVNT	ac40	5190	4500	-52	-50.51	-48.18	47.05	Peak	68.2	Pass



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NVNT	ac40	5190	4500	-60.52	-60.53	-57.51	37.71	Average	54	Pass
NVNT	ac40	5190	5146.05	-32.42	-33.45	-29.89	65.33	Peak	68.2	Pass
NVNT	ac40	5190	5149.7	-45.71	-46.18	-42.93	52.30	Average	54	Pass
NVNT	ac40	5190	5150	-32.46	-35.56	-30.73	64.50	Peak	68.2	Pass
NVNT	ac40	5190	5150	-45.2	-45.5	-42.34	52.89	Average	54	Pass
NVNT	ac40	5230	5350	-49.65	-48.59	-46.08	49.15	Peak	68.2	Pass
NVNT	ac40	5230	5350	-58.92	-56.4	-54.47	40.76	Average	54	Pass
NVNT	ac40	5230	5414.64	-46.55	-45.11	-42.76	52.47	Peak	68.2	Pass
NVNT	ac40	5230	5371.98	-58.55	-56.4	-54.33	40.89	Average	54	Pass
NVNT	ac40	5230	5460	-48.41	-48.33	-45.36	49.87	Peak	68.2	Pass
NVNT	ac40	5230	5460	-58.84	-57.93	-55.35	39.88	Average	54	Pass
NVNT	ac80	5210	5350	-51.01	-48.82	-46.77	48.46	Peak	68.2	Pass
NVNT	ac80	5210	5350	-58.62	-56.97	-54.71	40.52	Average	54	Pass
NVNT	ac80	5210	5373.21	-47.12	-46.04	-43.54	51.69	Peak	68.2	Pass
NVNT	ac80	5210	5369.91	-58.16	-55.07	-53.34	41.89	Average	54	Pass
NVNT	ac80	5210	5460	-48.45	-49.96	-46.13	49.10	Peak	68.2	Pass
NVNT	ac80	5210	5460	-58.76	-58.32	-55.52	39.70	Average	54	Pass
NVNT	ac80	5210	4500	-51.64	-51.6	-48.61	46.62	Peak	68.2	Pass
NVNT	ac80	5210	4500	-60.23	-60.26	-57.23	37.99	Average	54	Pass
NVNT	ac80	5210	5147.01	-33.14	-38.92	-32.12	63.11	Peak	68.2	Pass
NVNT	ac80	5210	5149.38	-47.42	-49.52	-45.33	49.89	Average	54	Pass
NVNT	ac80	5210	5150	-36.56	-40.32	-35.03	60.19	Peak	68.2	Pass
NVNT	ac80	5210	5150	-47.61	-49.97	-45.62	49.61	Average	54	Pass

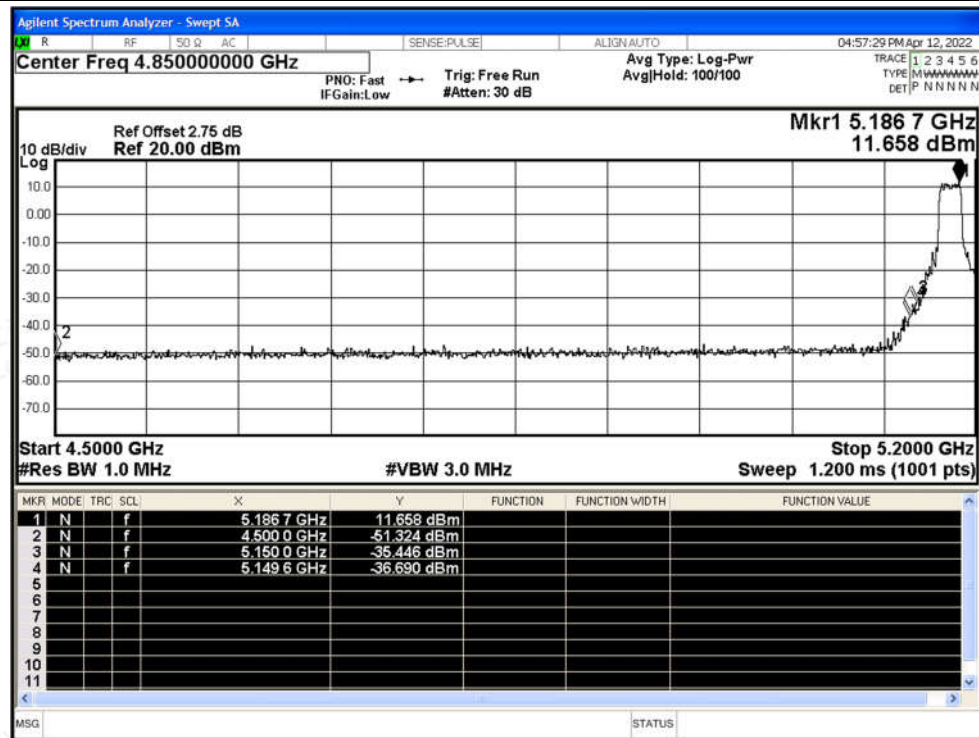
Note: The Antenna Gain is compensated in the graph



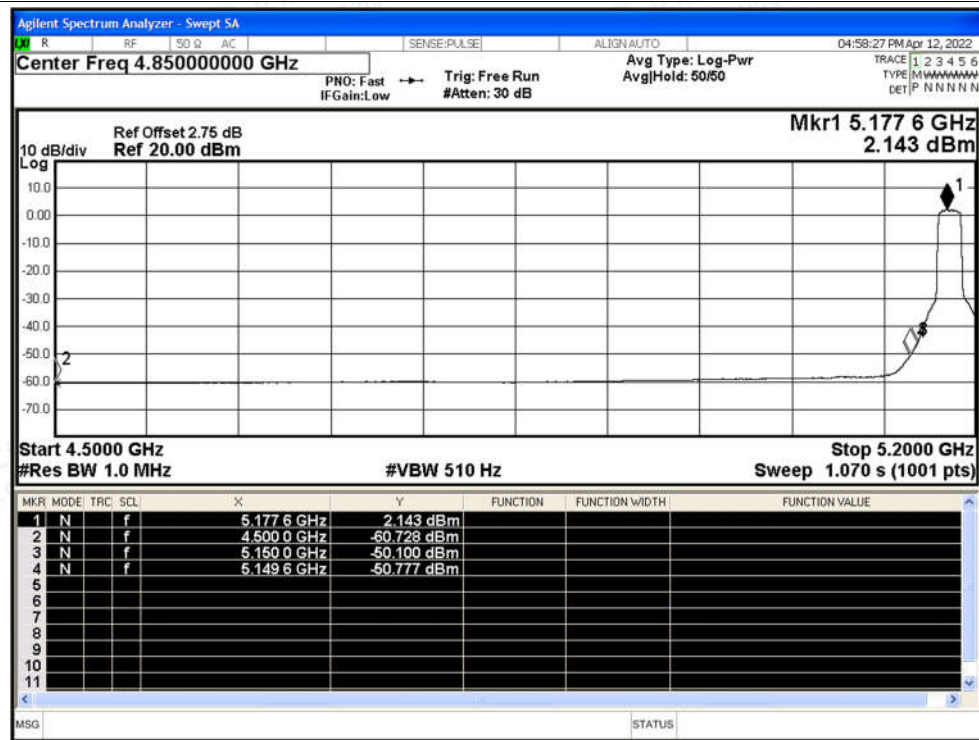


Test Graphs

Restrict Band NVNT a 5180MHz Ant0 Peak

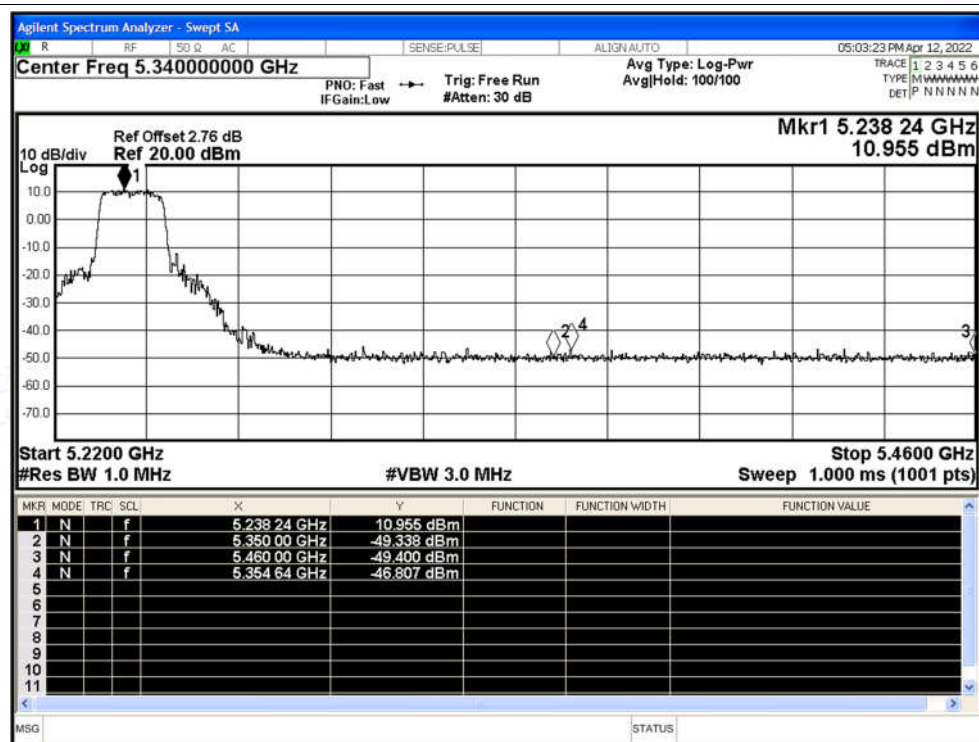


Restrict Band NVNT a 5180MHz Ant0 Average

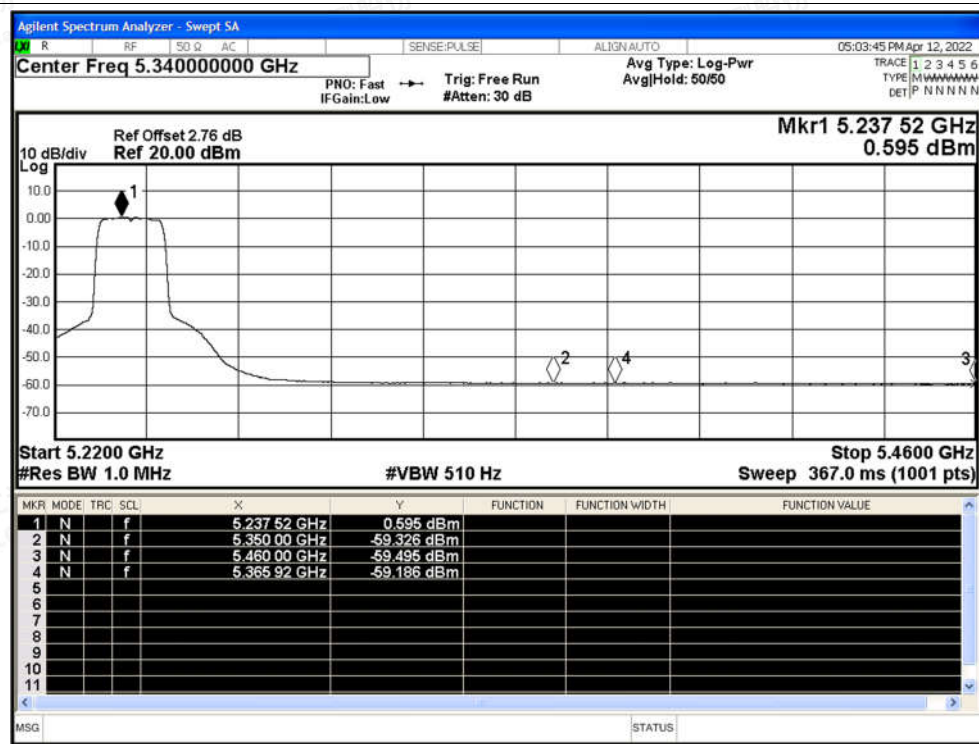




Restrict Band NVNT a 5240MHz Ant0 Peak

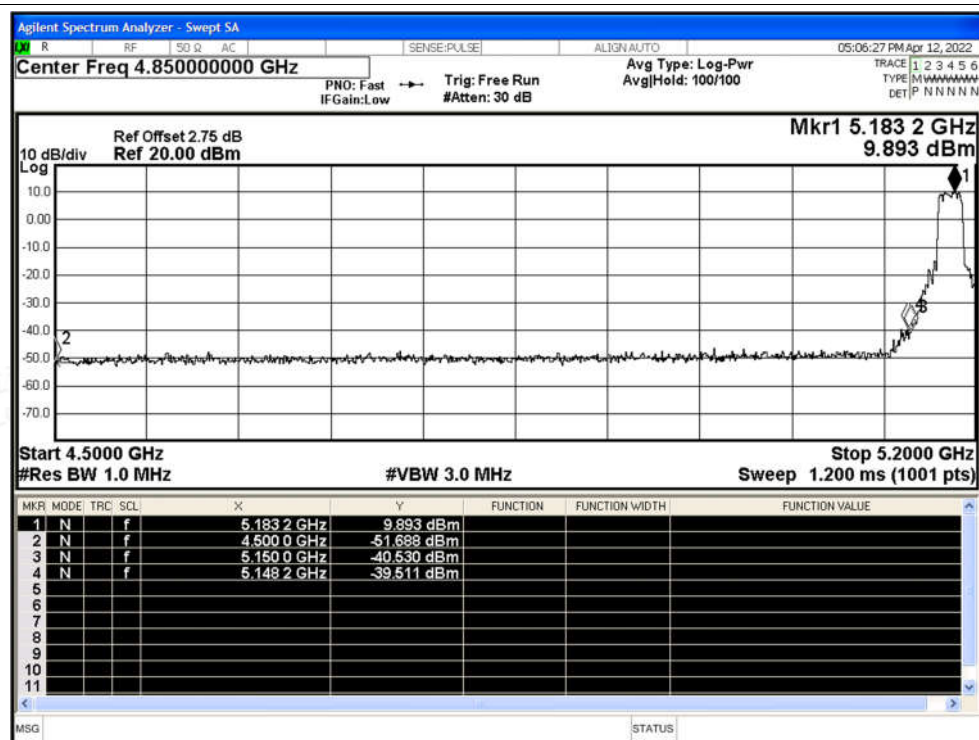


Restrict Band NVNT a 5240MHz Ant0 Average

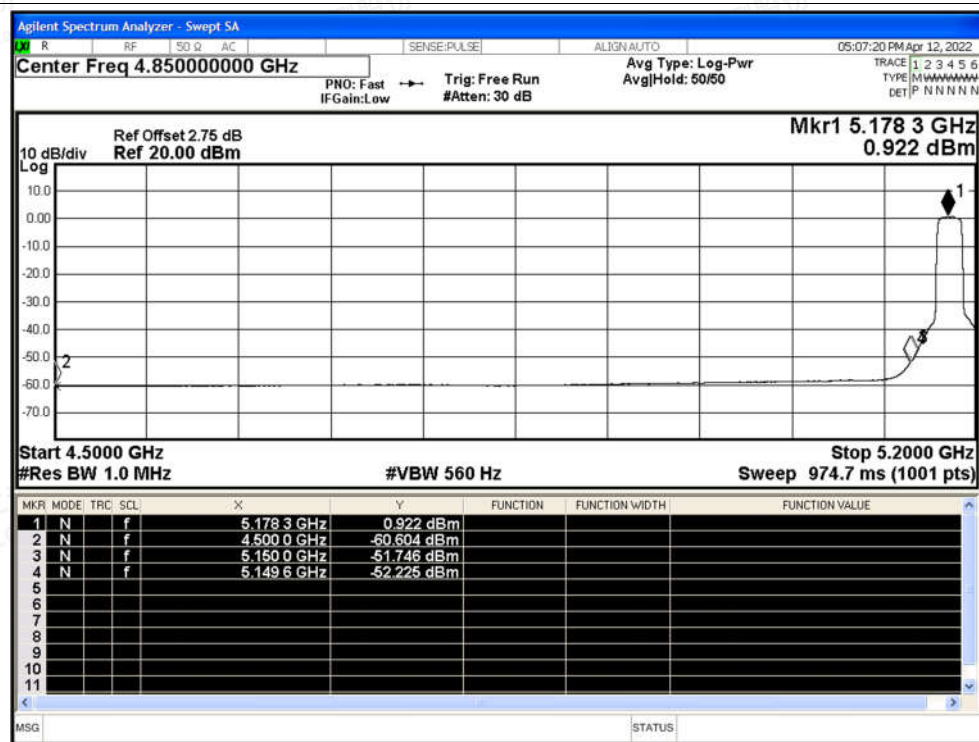




Restrict Band NVNT n20 5180MHz Ant0 Peak

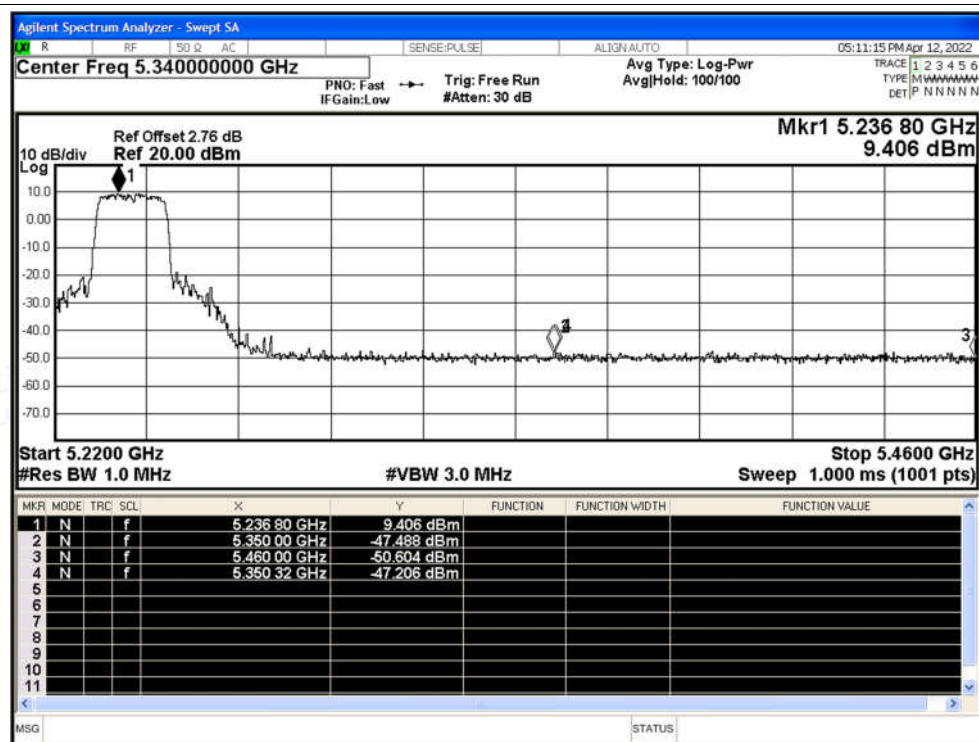


Restrict Band NVNT n20 5180MHz Ant0 Average

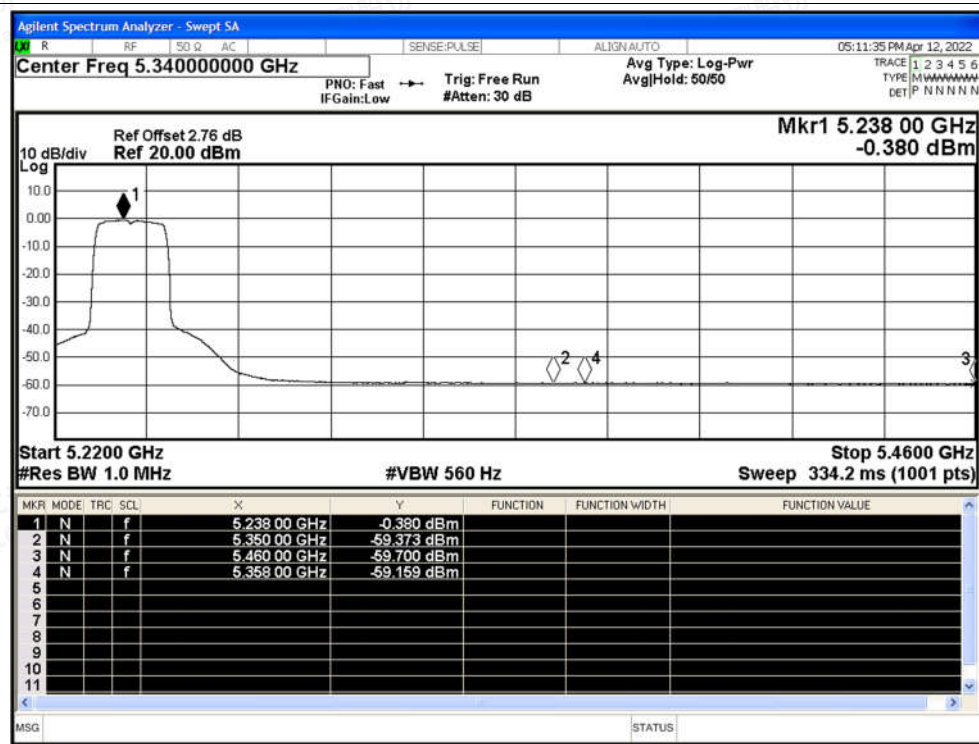




Restrict Band NVNT n20 5240MHz Ant0 Peak

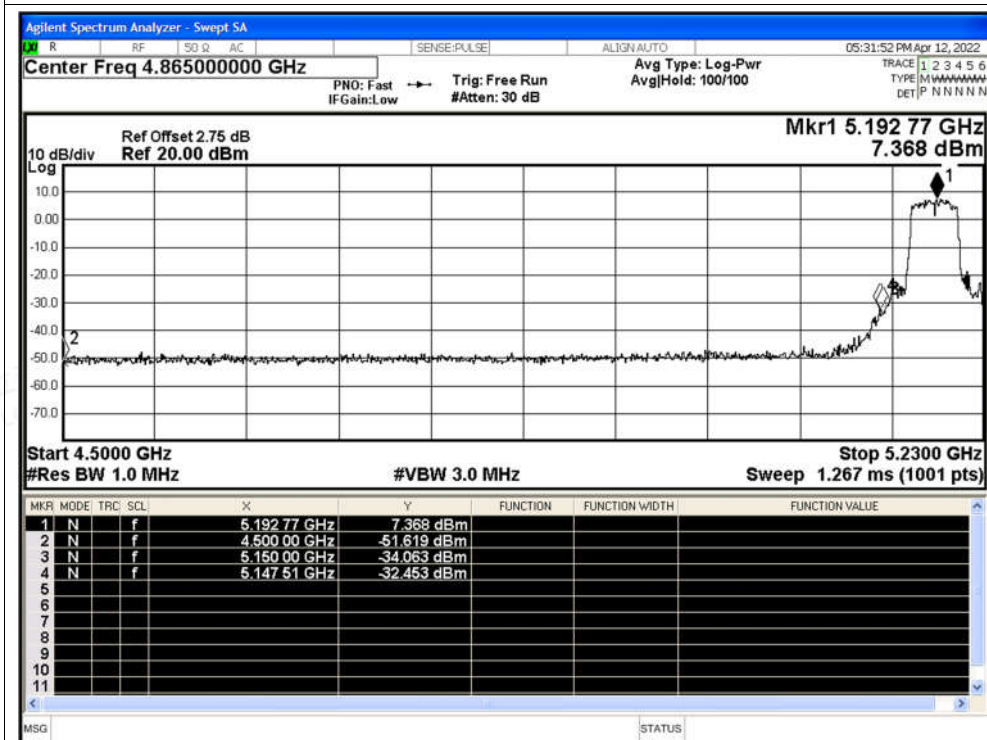


Restrict Band NVNT n20 5240MHz Ant0 Average

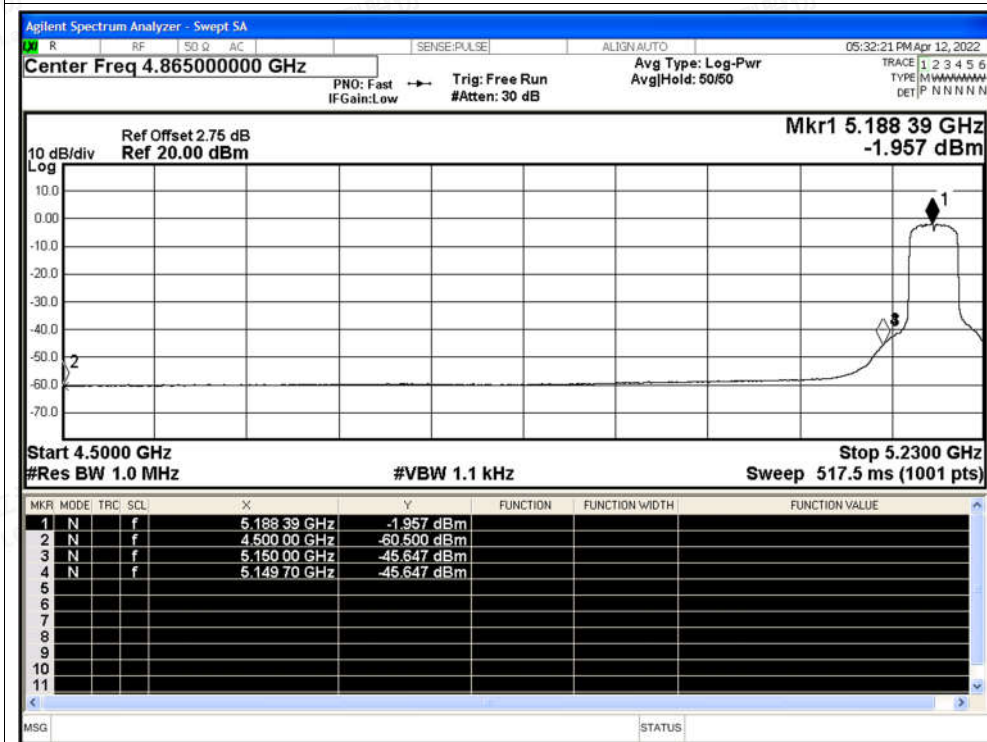




Restrict Band NVNT n40 5190MHz Ant0 Peak



Restrict Band NVNT n40 5190MHz Ant0 Average



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