TABLE OF CONTENTS

1	ANNEX A -26DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH	2
2	ANNEX B PEAK POWER	14
3	ANNEX C PEAK POWER SPECTRAL DENSITY	38
4	ANNEX D FREQUENCY STABILITY	62
5	ANNEX E BAND EDGE AND FUNDAMENTAL EMISSIONS	74
6	ANNEX F DYNAMIC FREQUENCY SELECTION (DFS)	80

1 Annex A -26dB Bandwidth and 99% Occupied Bandwidth

-26dB Bandwidth

Band	Channel	Frequency (MHz)	-26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)						
1	Low	5180	25.853	18.935	0.5	Pass
	High	5240	19.837	18.772	0.5	Pass
2	Low	5260	23.407	18.944	0.5	Pass
	High	5320	26.283	18.867	0.5	Pass
3	Low	5500	27.59	18.914	0.5	Pass
	High	5700	25.109	19.008	0.5	Pass
40MHz(IEEE 802.11n/ac/ax)						
1	Low	5190	39.298	37.531	0.5	Pass
	High	5230	39.157	37.475	0.5	Pass
2	Low	5270	39.058	37.505	0.5	Pass
	High	5310	39.103	37.483	0.5	Pass
3	Low	5510	39.35	37.451	0.5	Pass
	High	5670	39.373	37.516	0.5	Pass
80MHz(IEEE 802.11ac/ax)						
1	Low	5210	79.194	76.417	0.5	Pass
2	Low	5290	79.192	76.705	0.5	Pass
3	Low	5530	78.921	76.637	0.5	Pass
	High	5610	79.078	75.530	0.5	Pass

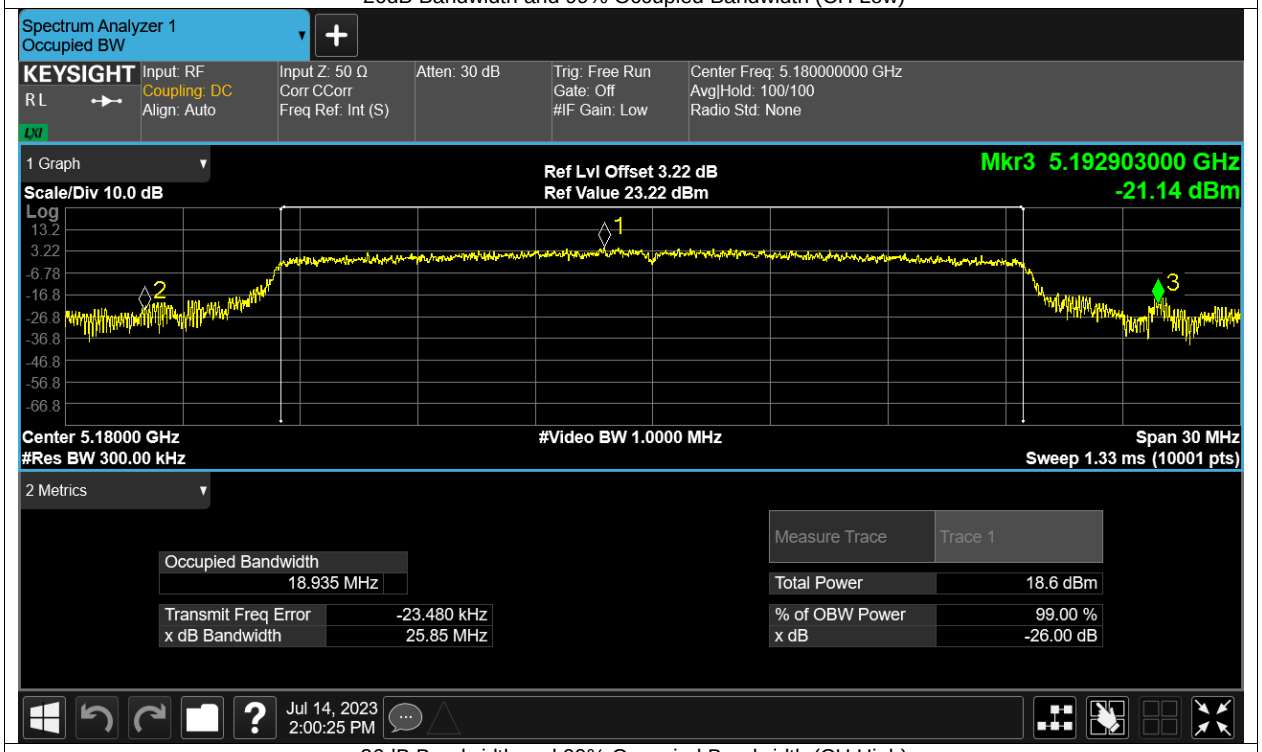
-6dB Bandwidth

Band	Channel	Frequency (MHz)	-6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)						
4	Low	5745	17.381	18.865	> 0.5	Pass
	High	5825	16.138	18.865	> 0.5	Pass
40MHz(IEEE 802.11n/ac/ax)						
4	Low	5755	34.991	37.414	> 0.5	Pass
	High	5795	37.607	37.539	> 0.5	Pass
80MHz(IEEE 802.11ac/ax)						
4	Low	5775	75.306	76.521	> 0.5	Pass

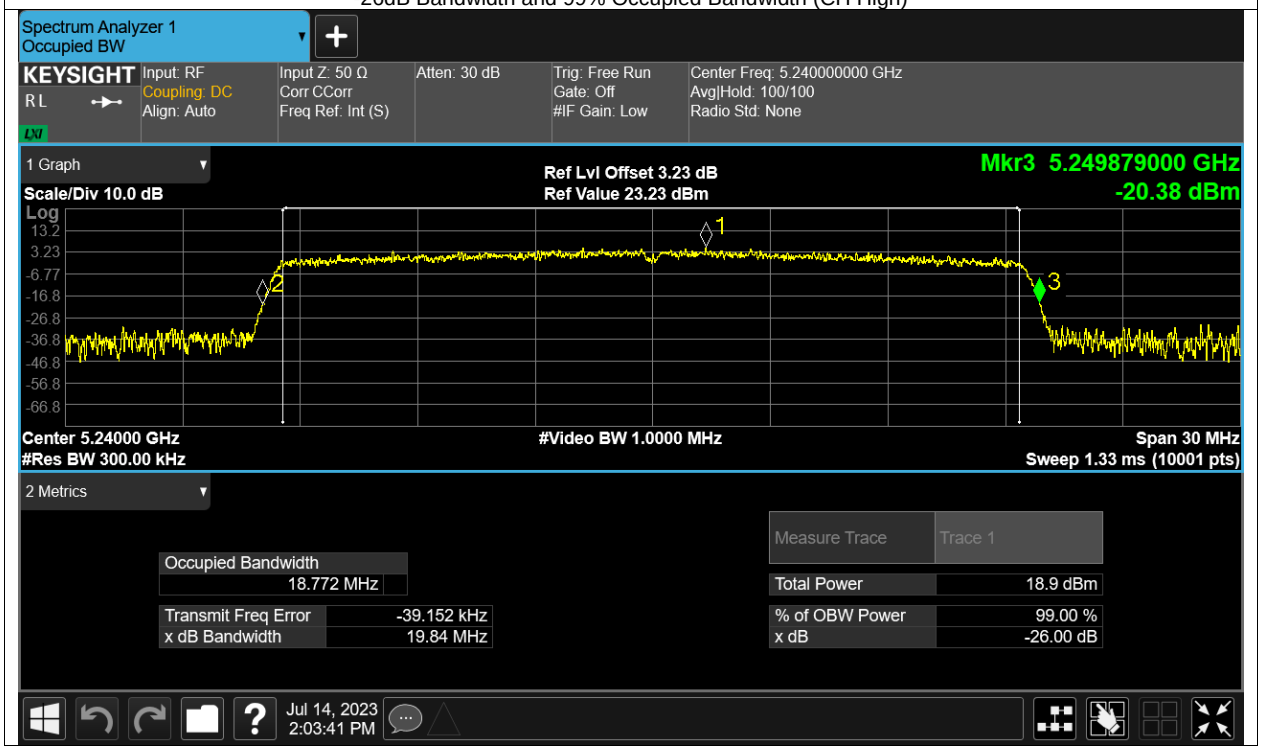
20MHz(IEEE 802.11a/n/ac/ax)
Band1

Test Graphs

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

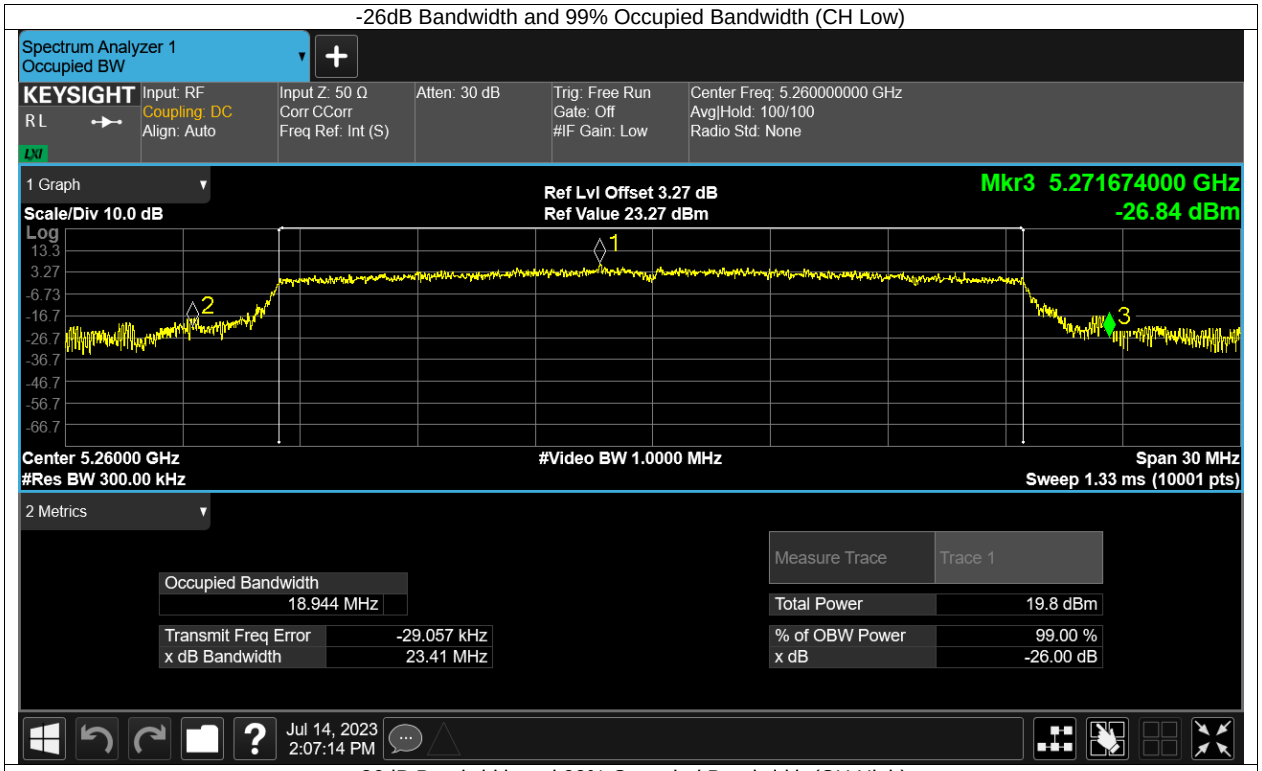


-26dB Bandwidth and 99% Occupied Bandwidth (CH High)

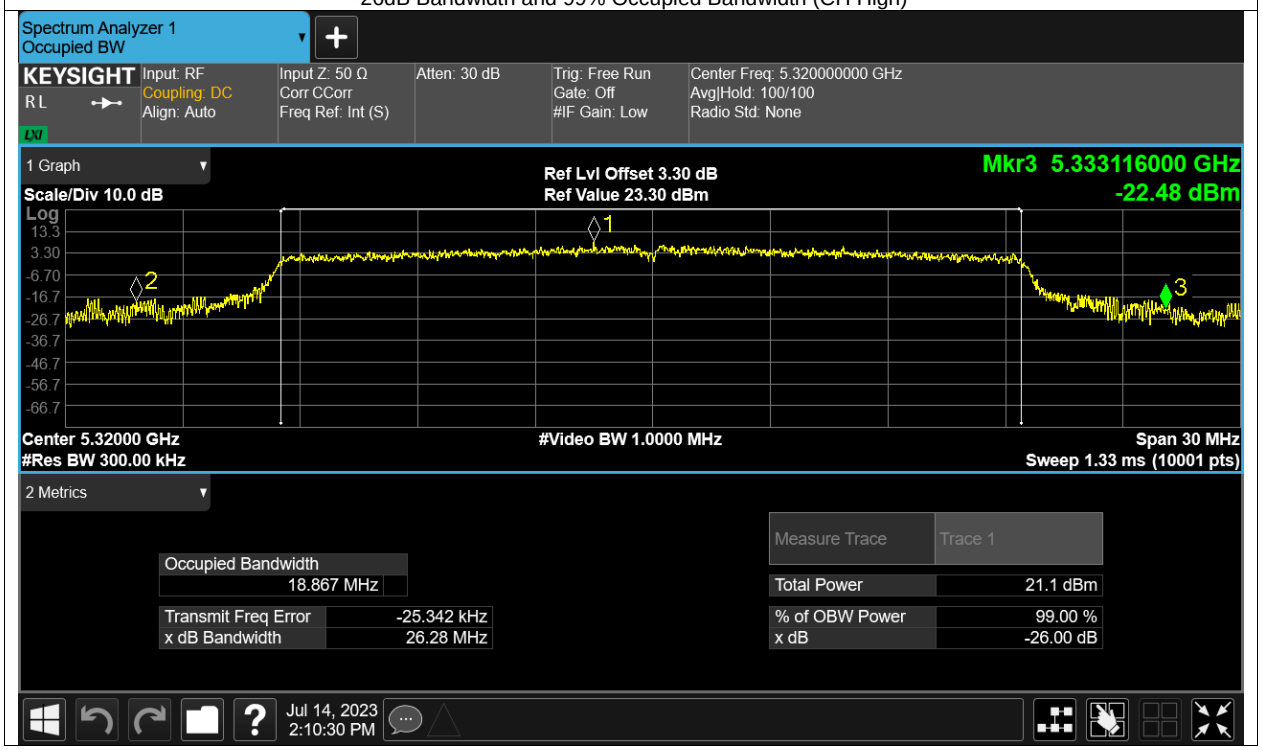


Band2

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

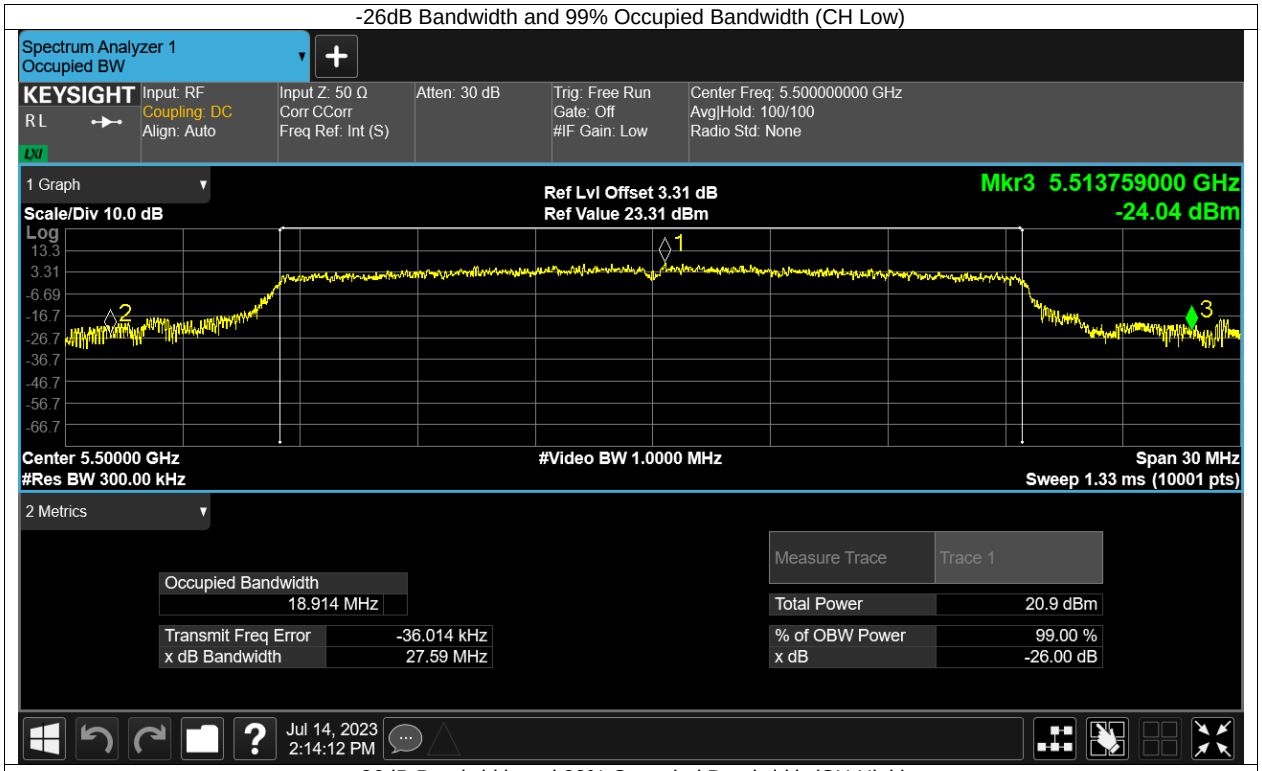


-26dB Bandwidth and 99% Occupied Bandwidth (CH High)

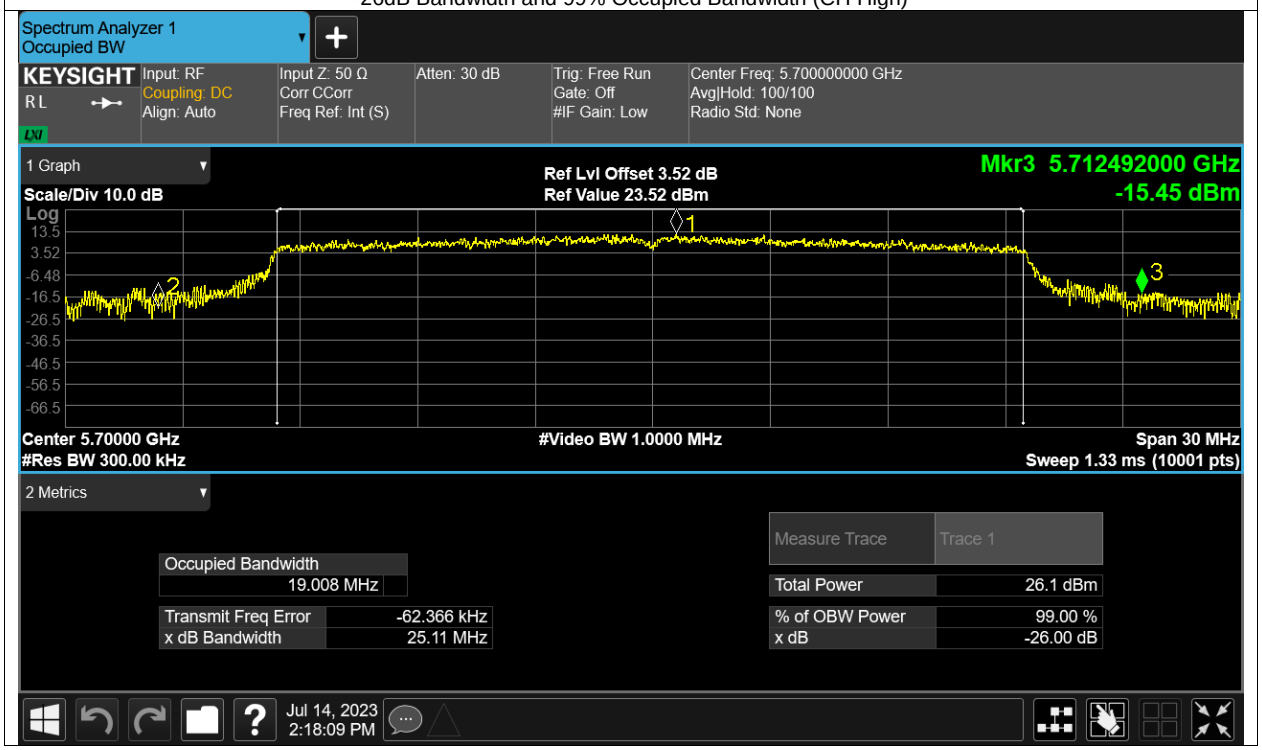


Band3

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

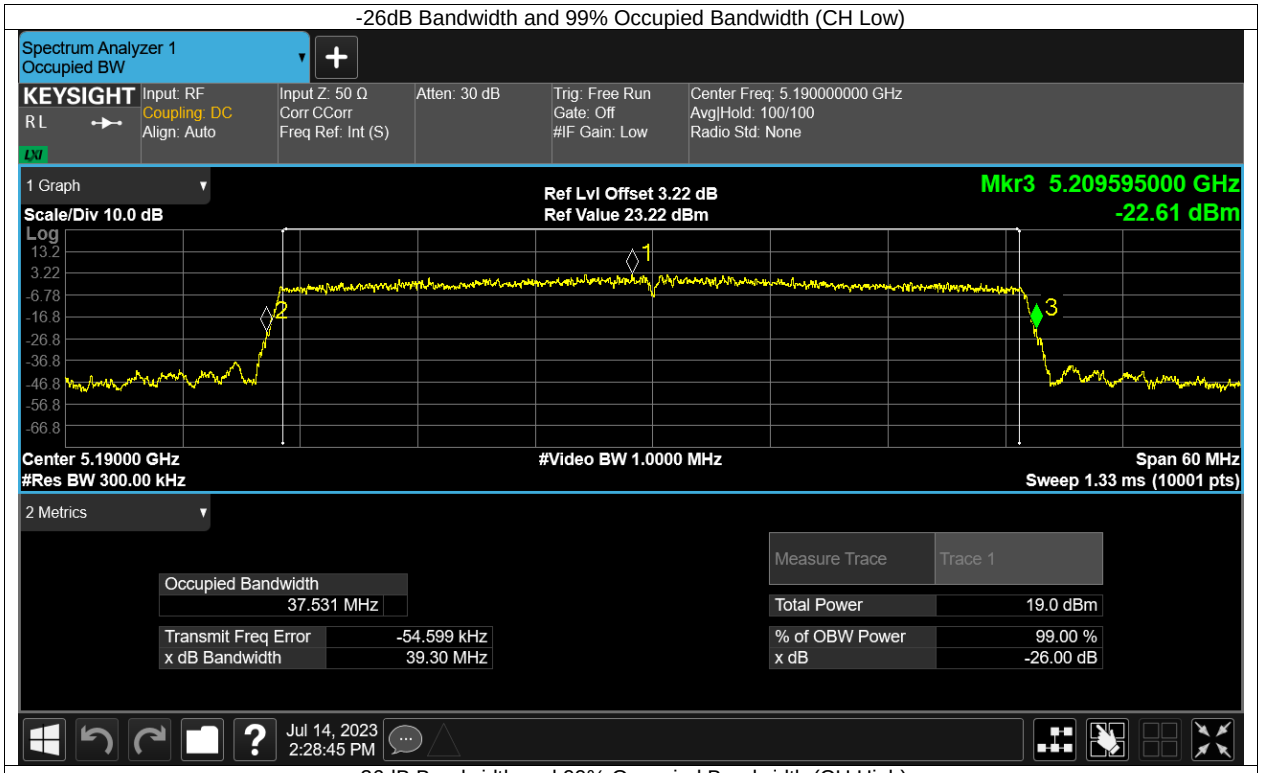


-26dB Bandwidth and 99% Occupied Bandwidth (CH High)

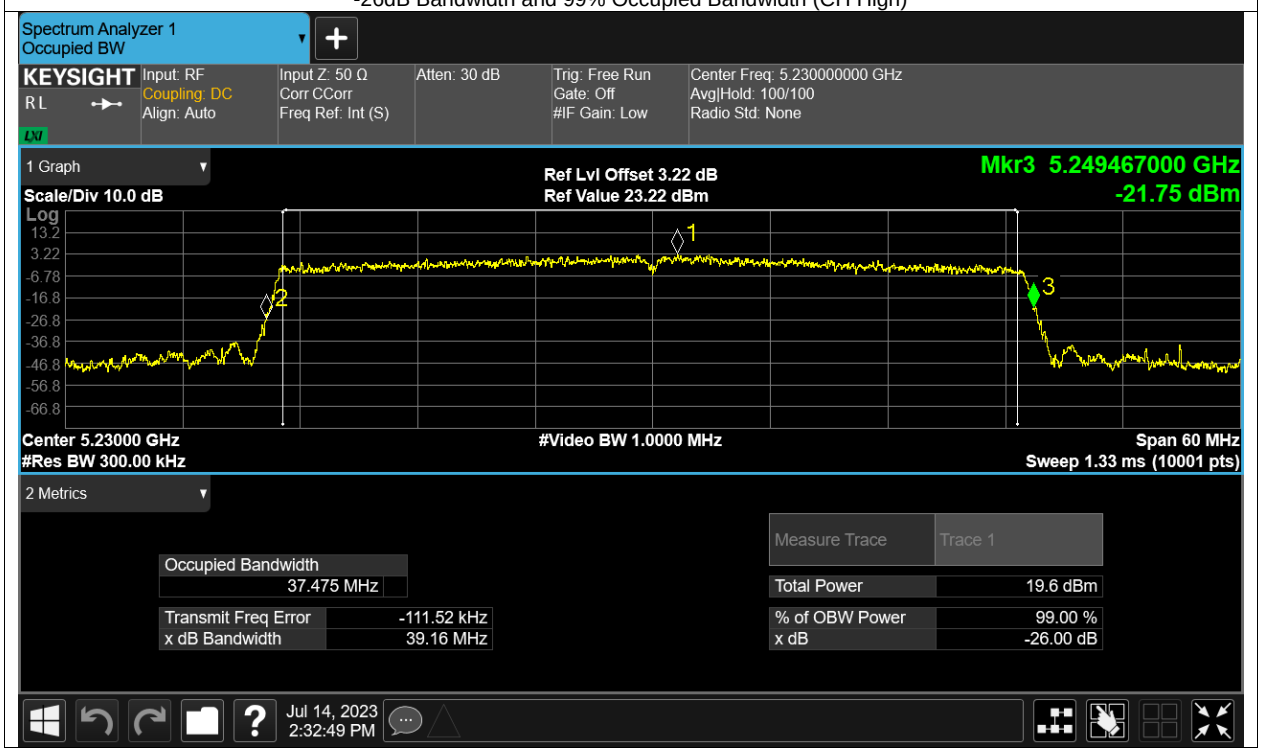


40MHz(IEEE 802.11n/ac/ax)
Band1

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

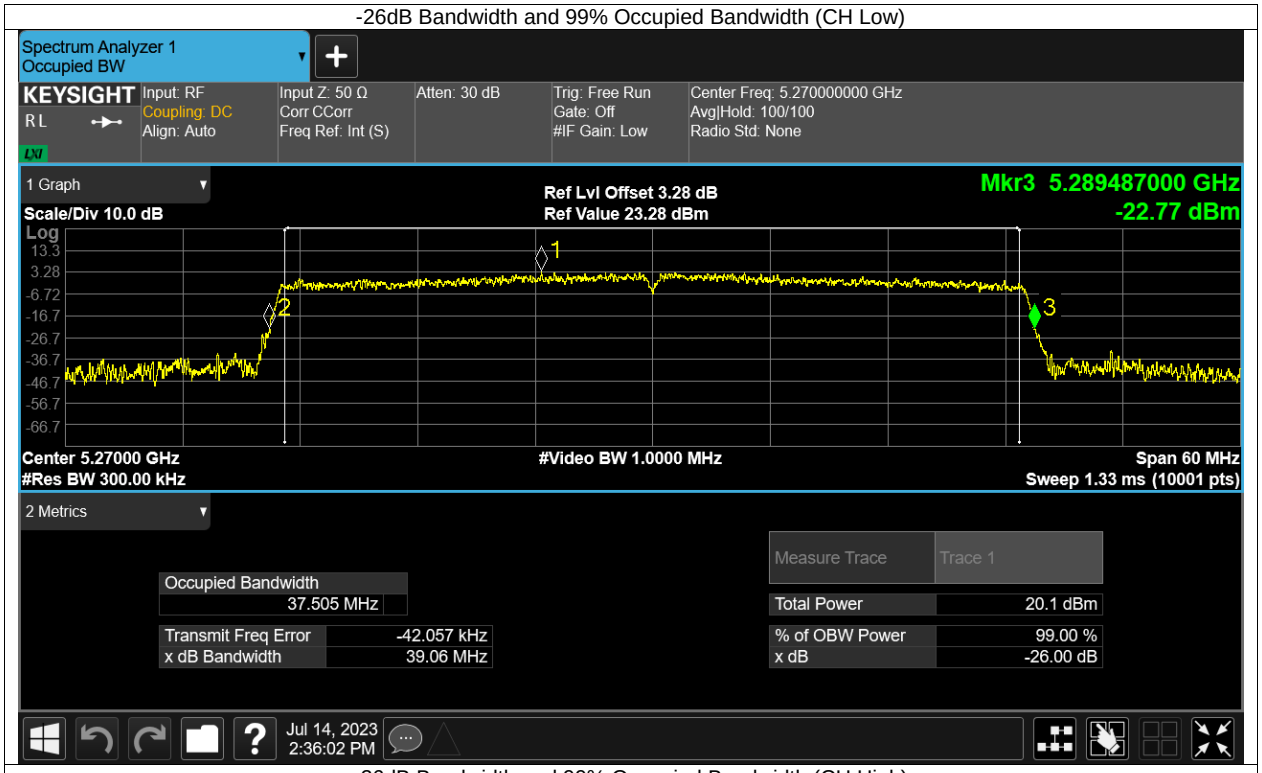


-26dB Bandwidth and 99% Occupied Bandwidth (CH High)

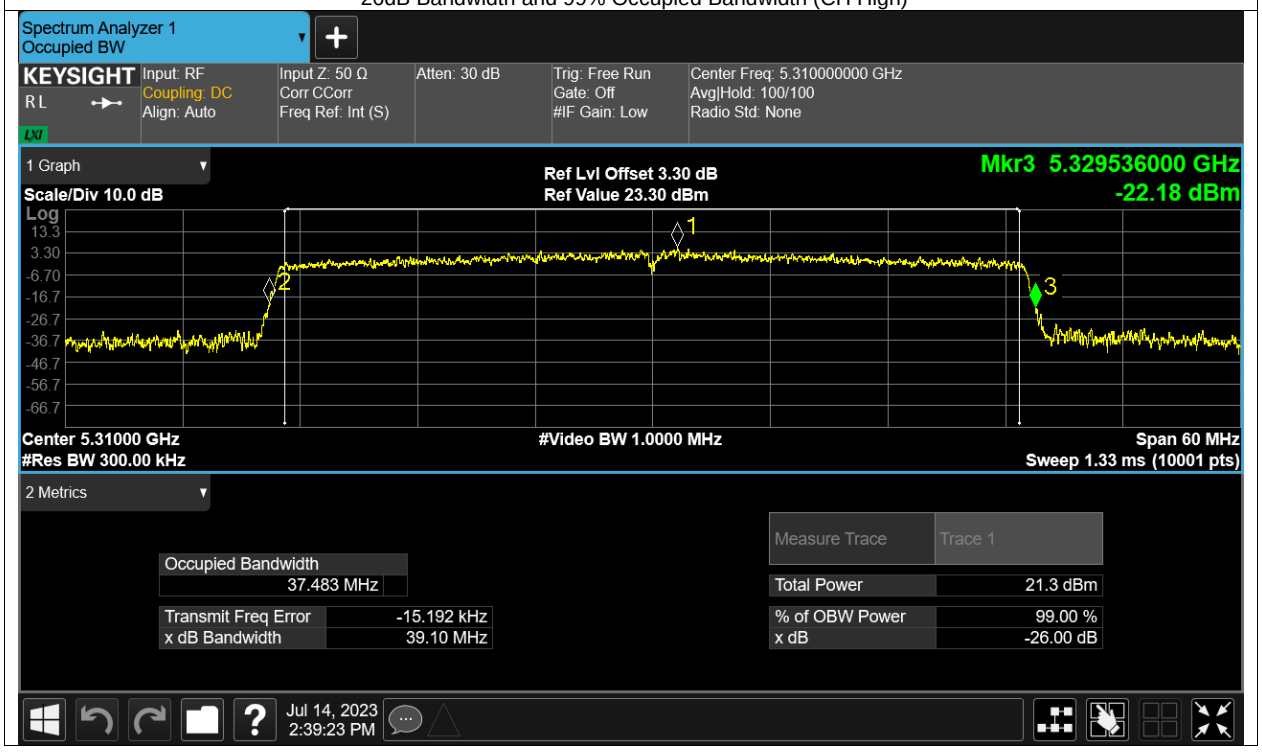


Band2

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

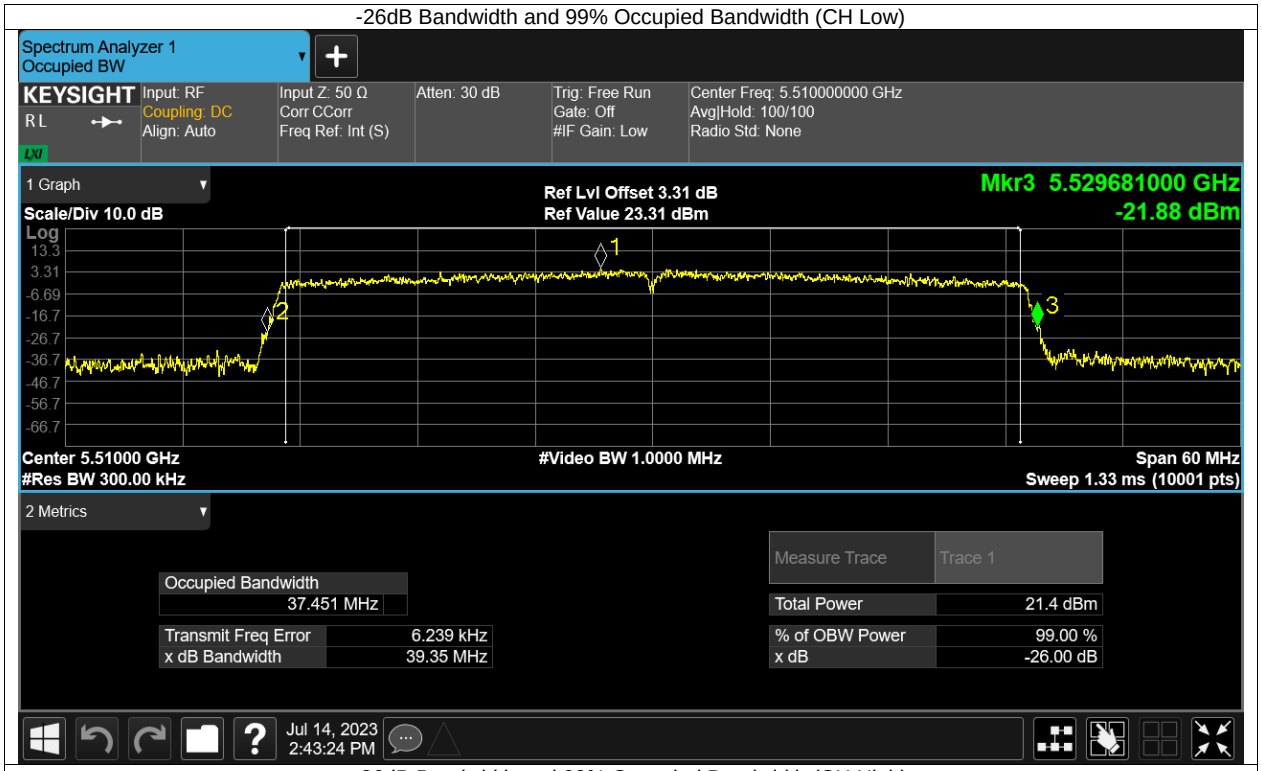


-26dB Bandwidth and 99% Occupied Bandwidth (CH High)

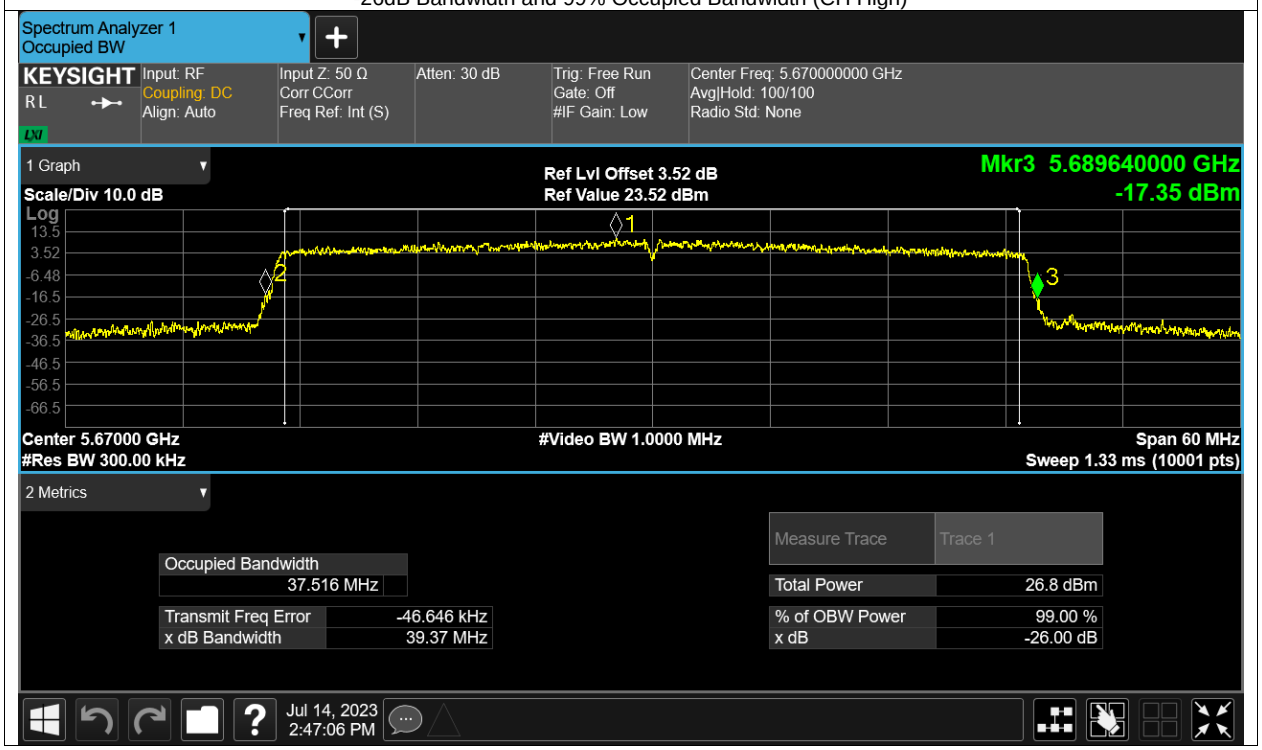


Band3

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

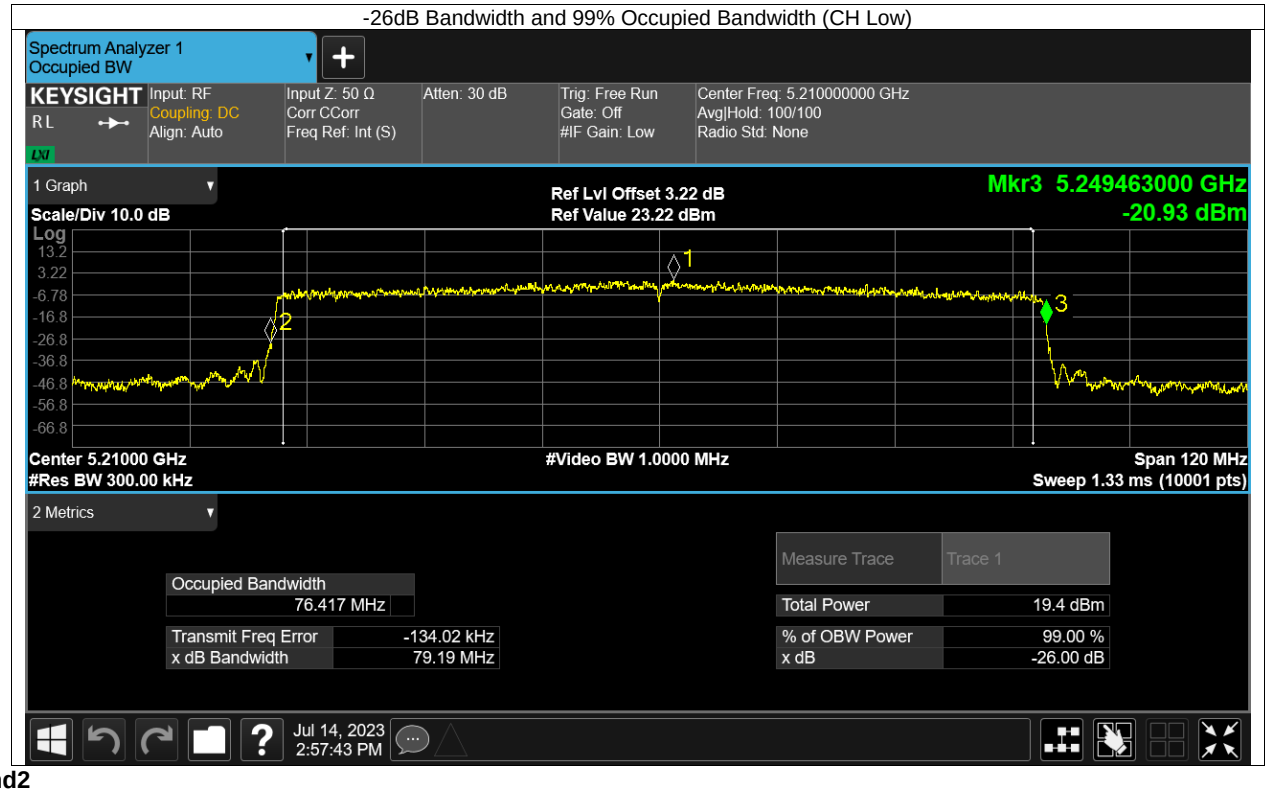


-26dB Bandwidth and 99% Occupied Bandwidth (CH High)



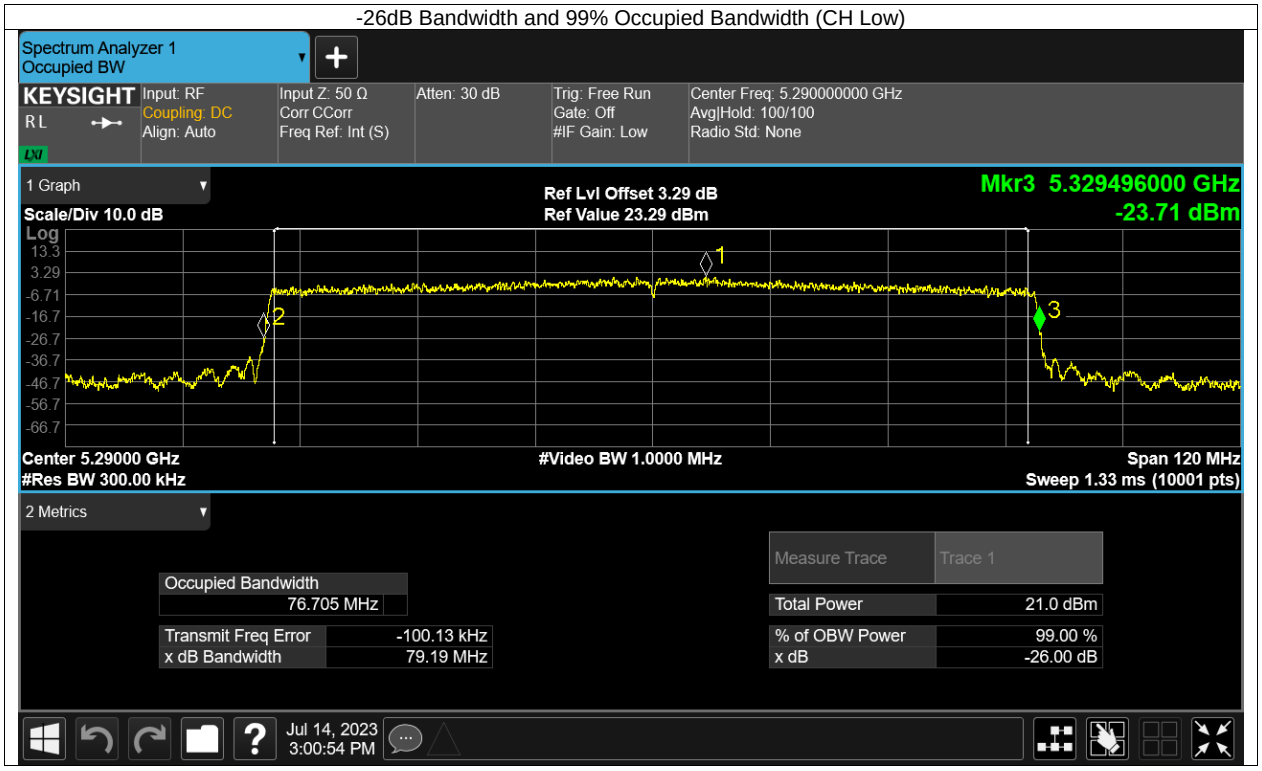
80MHz(IEEE 802.11ac/ax)
Band1

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



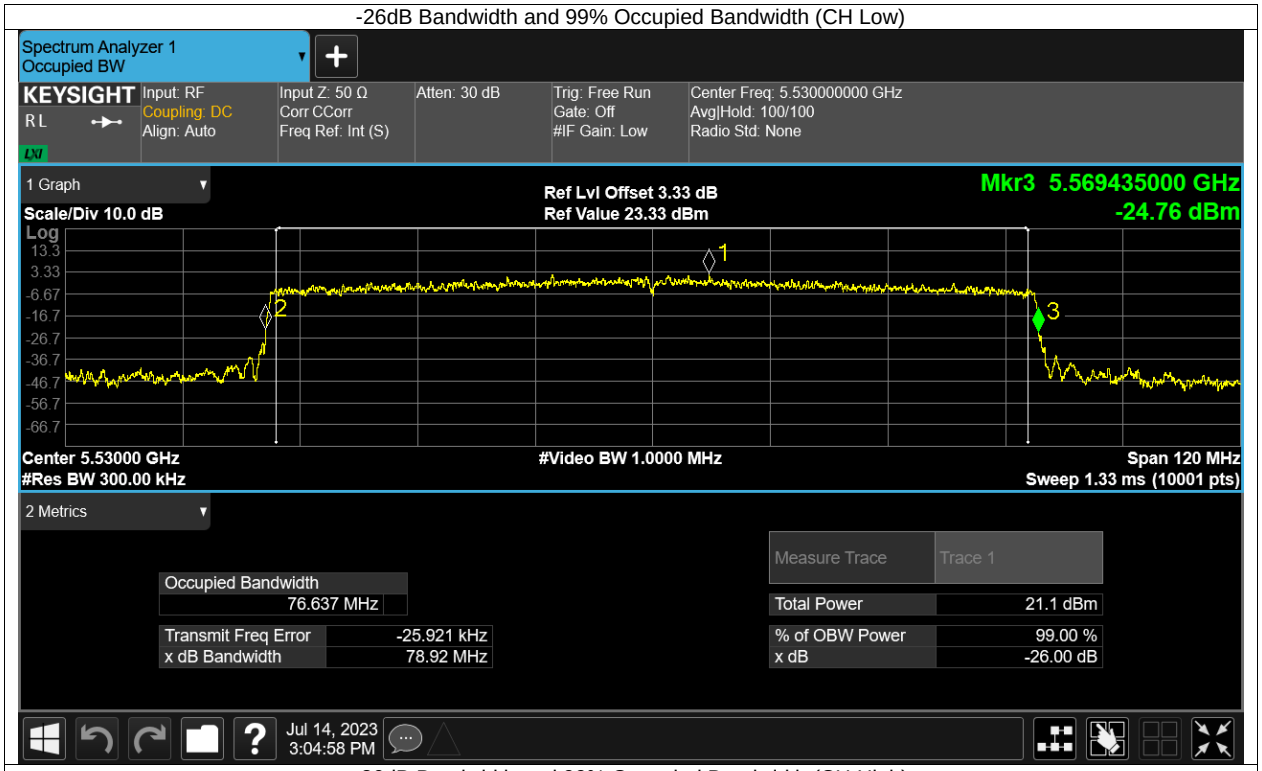
Band2

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

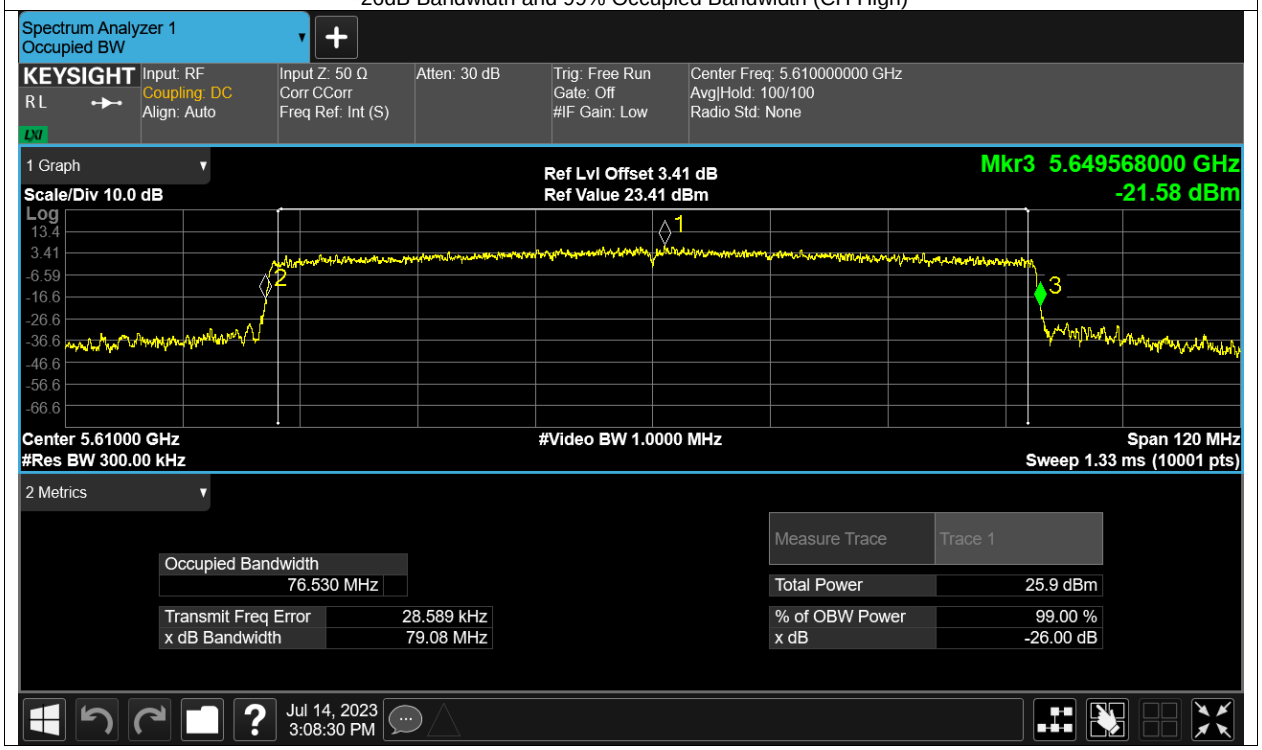


Band3

-26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



-26dB Bandwidth and 99% Occupied Bandwidth (CH High)



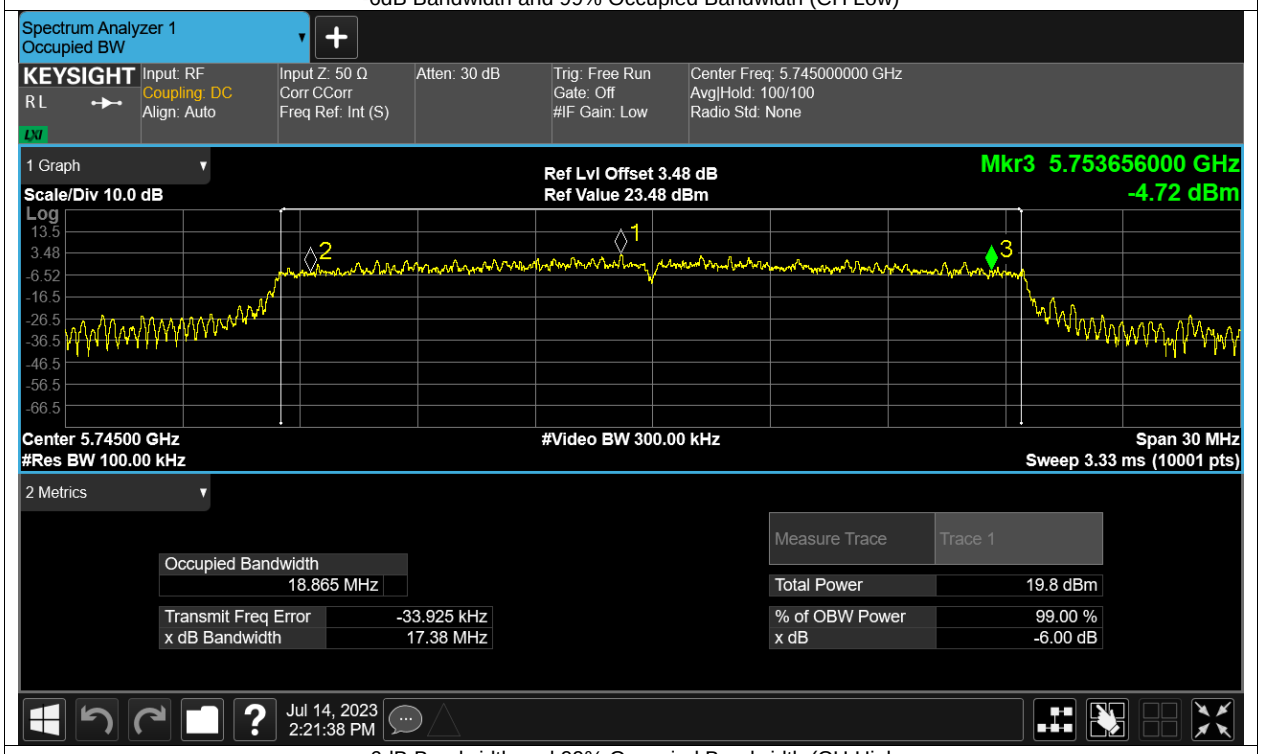
-6dB Bandwidth

20MHz(IEEE 802.11a/n/ac/ax)

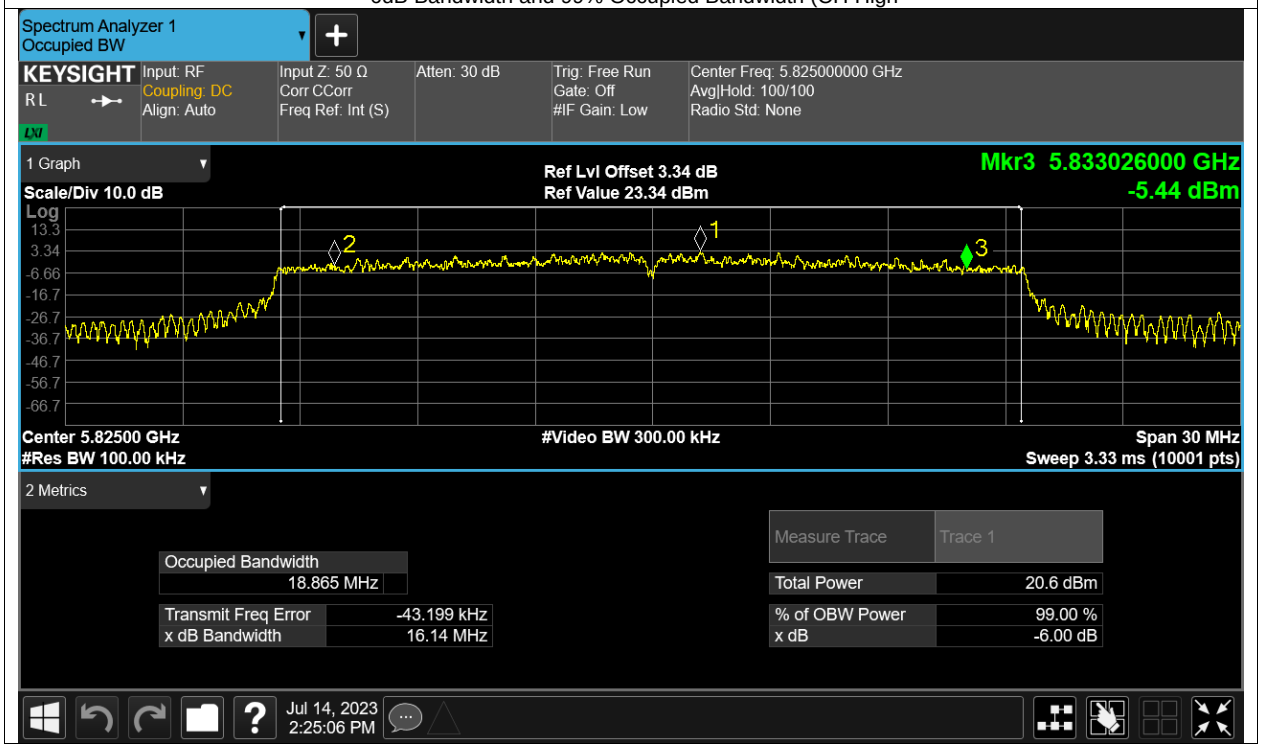
Band4

Test Graphs

-6dB Bandwidth and 99% Occupied Bandwidth (CH Low)

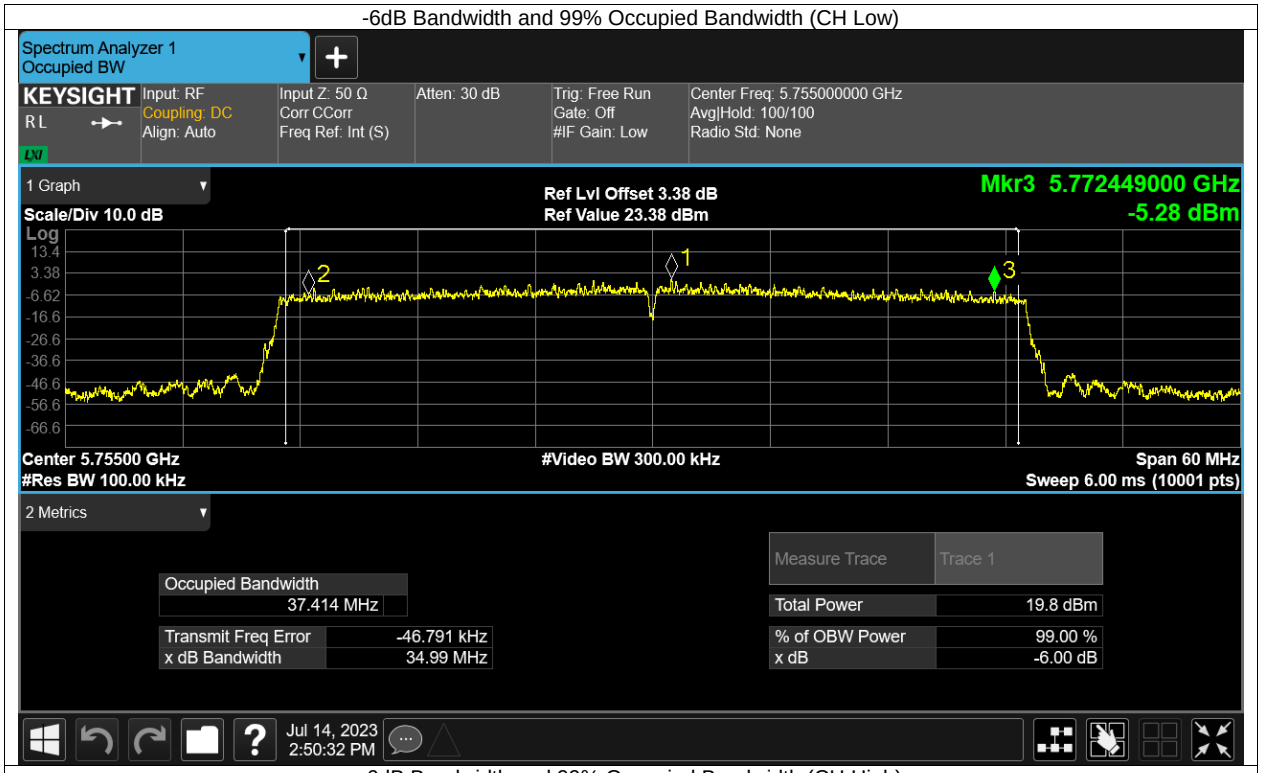


-6dB Bandwidth and 99% Occupied Bandwidth (CH High)

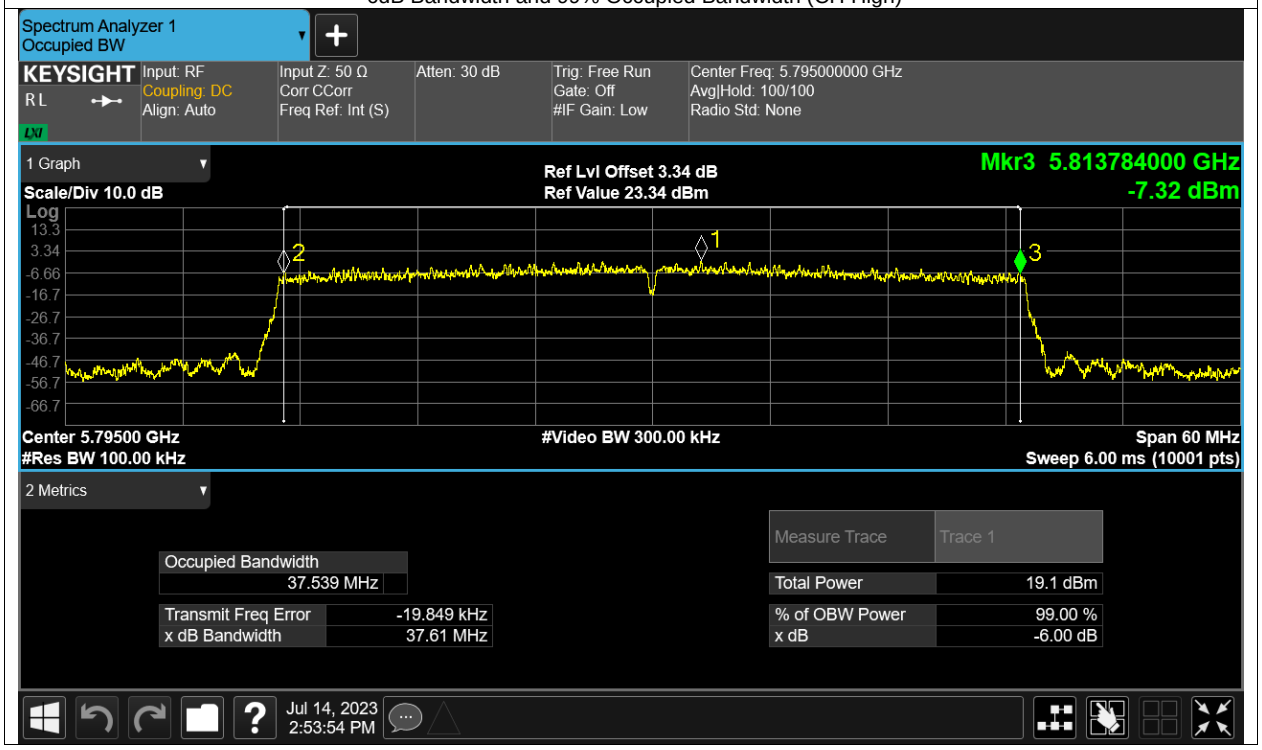


40MHz(IEEE 802.11n/ac/ax)
Band4

-6dB Bandwidth and 99% Occupied Bandwidth (CH Low)

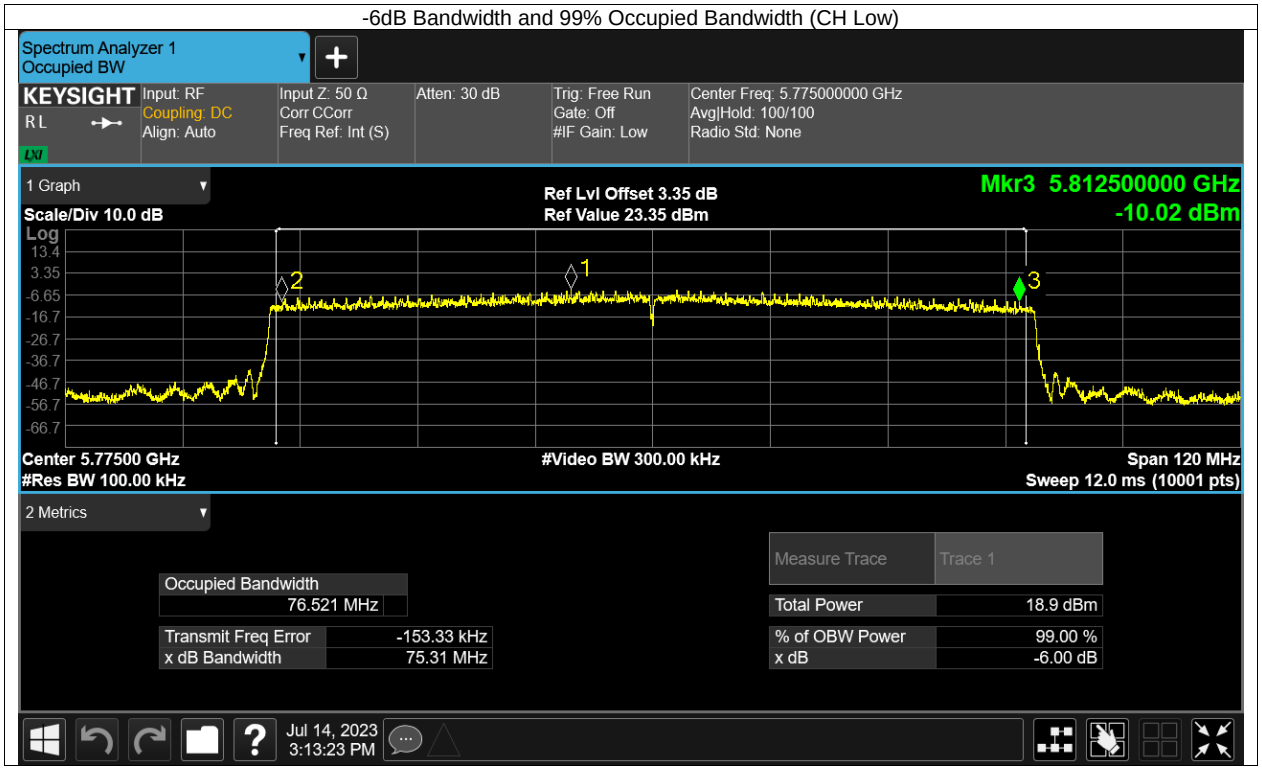


-6dB Bandwidth and 99% Occupied Bandwidth (CH High)



80MHz(IEEE 802.11ac/ax)
Band4

-6dB Bandwidth and 99% Occupied Bandwidth (CH Low)



2 Annex B Peak Power

Ant1

Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	10.94	24	Pass
	High	5240	11.09	24	Pass
2	Low	5260	11.84	24	Pass
	High	5320	13.06	24	Pass
3	Low	5500	12.67	24	Pass
	High	5700	18.58	24	Pass
4	Low	5745	11.83	30	Pass
	High	5825	**12.46**	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	10.83	24	Pass
	High	5230	**11.36**	24	Pass
2	Low	5270	11.91	24	Pass
	High	5310	**13.13**	24	Pass
3	Low	5510	13.31	24	Pass
	High	5670	**18.71**	24	Pass
4	Low	5755	11.73	30	Pass
	High	5795	11.05	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	10.96	24	Pass
2	Low	5290	12.52	24	Pass
3	Low	5530	12.65	24	Pass
	High	5610	17.41	24	Pass
4	Low	5775	10.74	30	Pass

Ant2

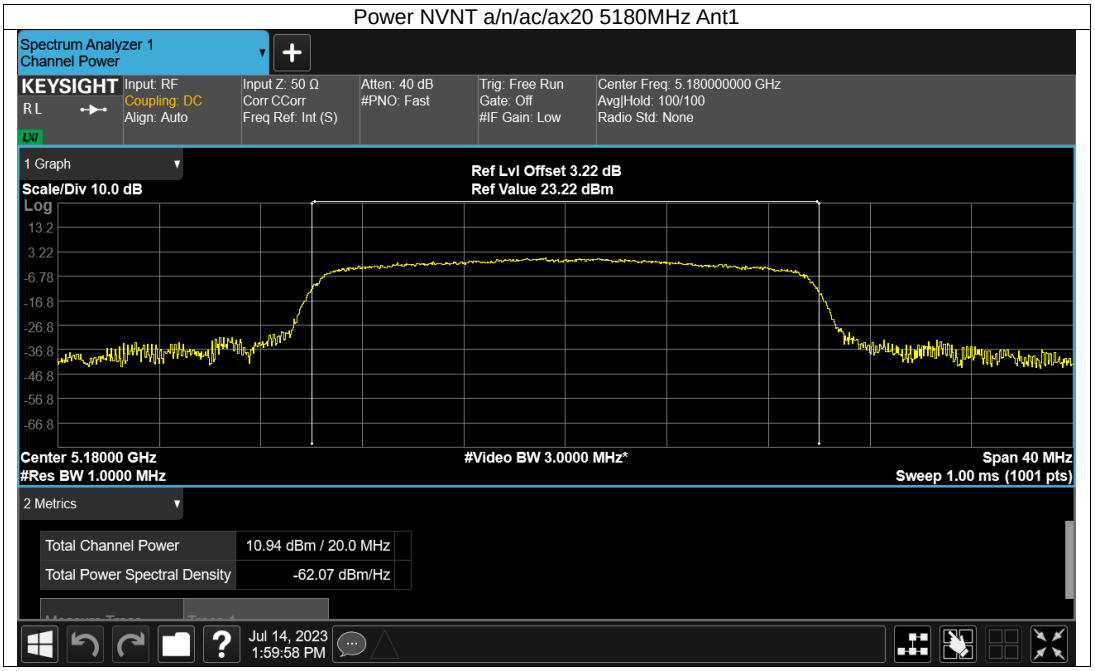
Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	11.11	24	Pass
	High	5240	11.23	24	Pass
2	Low	5260	11.55	24	Pass
	High	5320	12.08	24	Pass
3	Low	5500	11.01	24	Pass
	High	5700	**16.81**	24	Pass
4	Low	5745	**11.3**	30	Pass
	High	5825	10.44	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	11.24	24	Pass
	High	5230	**11.38**	24	Pass
2	Low	5270	11.7	24	Pass
	High	5310	**12.23**	24	Pass
3	Low	5510	10.93	24	Pass
	High	5670	16.2	24	Pass
4	Low	5755	11.29	30	Pass
	High	5795	11.25	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	10.51	24	Pass
2	Low	5290	11.12	24	Pass
3	Low	5530	10.35	24	Pass
	High	5610	14.98	24	Pass
4	Low	5775	10.65	30	Pass

MIMO Mode

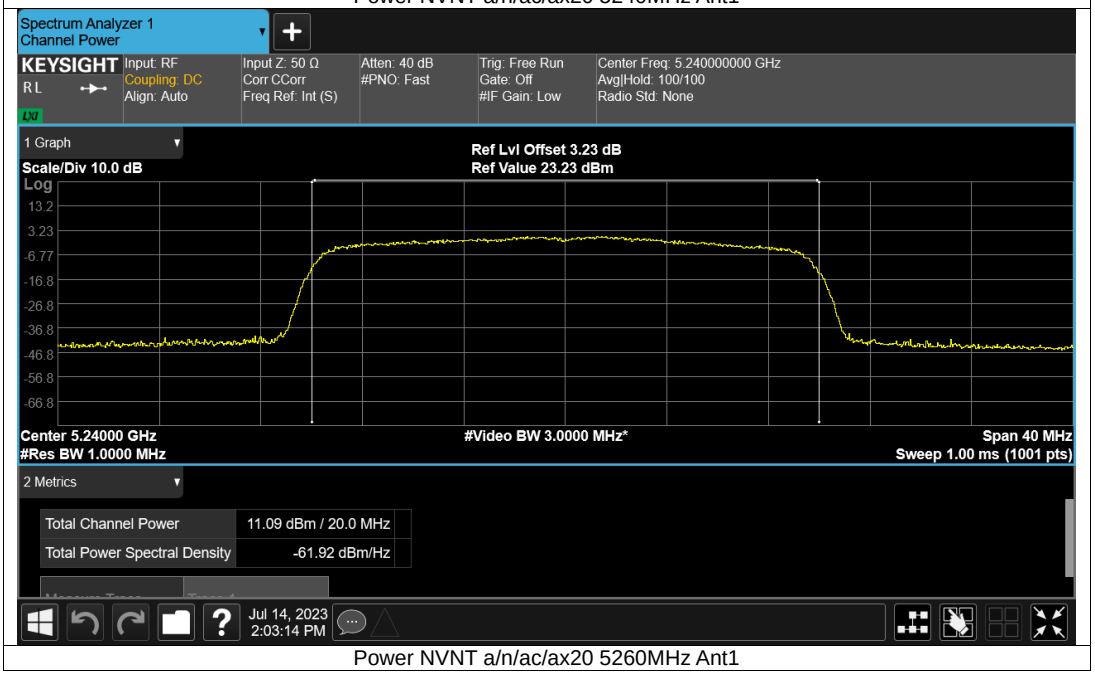
Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5180	14.04	24	Pass
	High	5240	14.17	24	Pass
2	Low	5260	14.71	24	Pass
	High	5320	15.61	24	Pass
3	Low	5500	14.93	24	Pass
	High	5700	**20.79**	24	Pass
4	Low	5745	**14.58**	30	Pass
	High	5825	14.58	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	14.05	24	Pass
	High	5230	**14.38**	24	Pass
2	Low	5270	14.82	24	Pass
	High	5310	**15.71**	24	Pass
3	Low	5510	15.29	24	Pass
	High	5670	20.64	24	Pass
4	Low	5755	14.53	30	Pass
	High	5795	14.16	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	13.75	24	Pass
2	Low	5290	14.89	24	Pass
3	Low	5530	14.66	24	Pass
	High	5610	19.37	24	Pass
4	Low	5775	13.71	30	Pass

ANT1

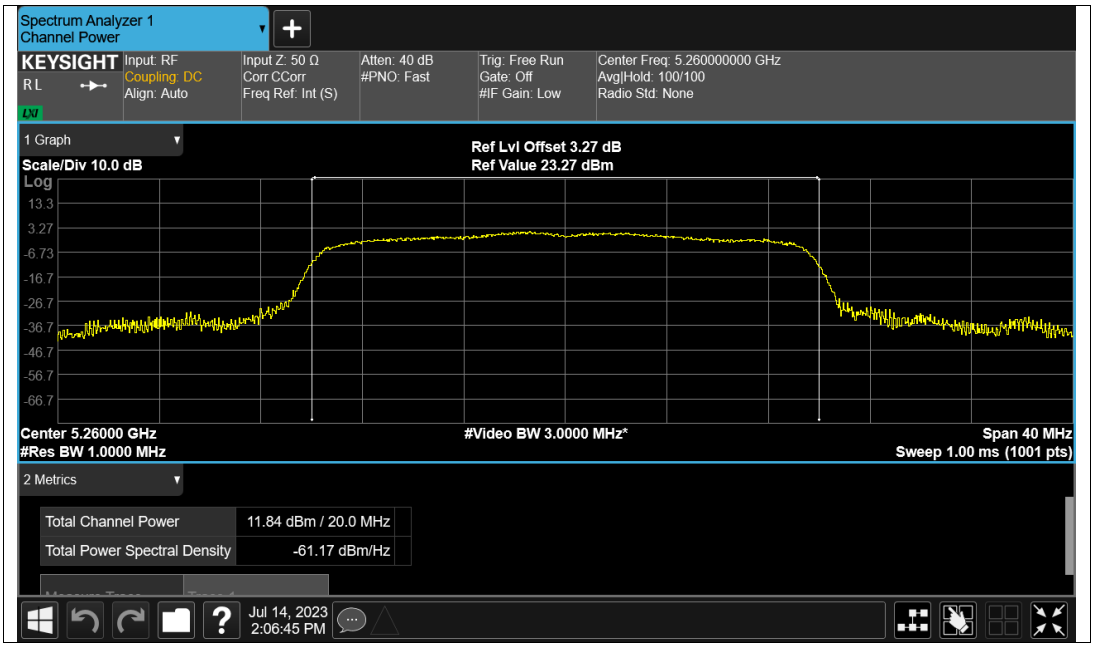
Power NVNT a/n/ac/ax20 5180MHz Ant1



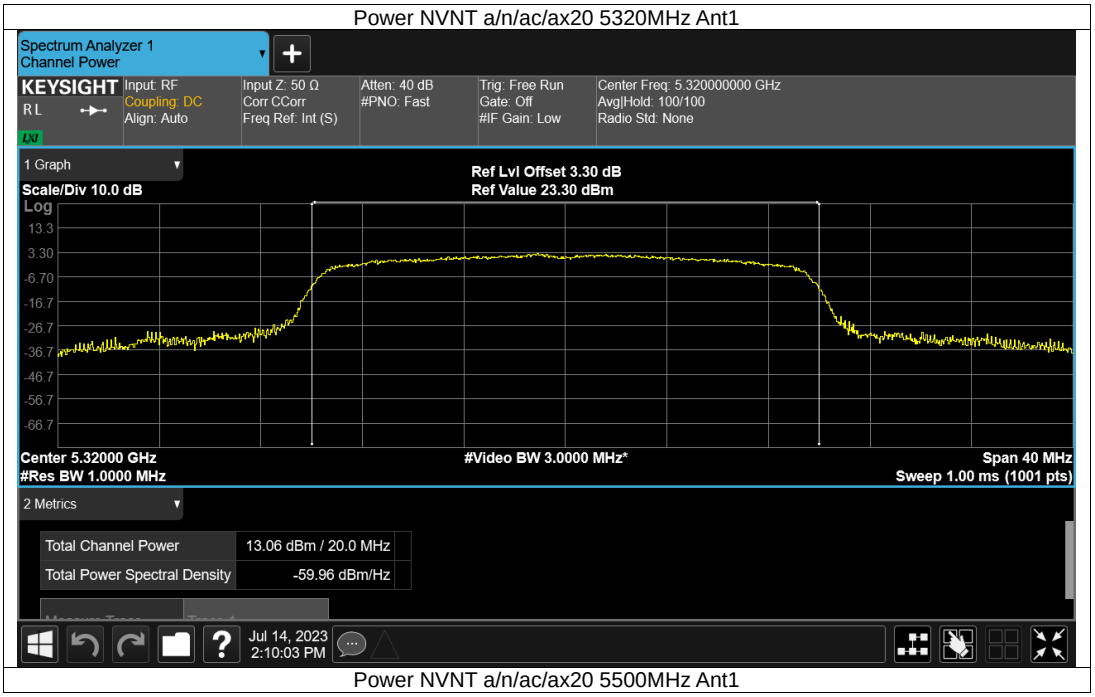
Power NVNT a/n/ac/ax20 5240MHz Ant1



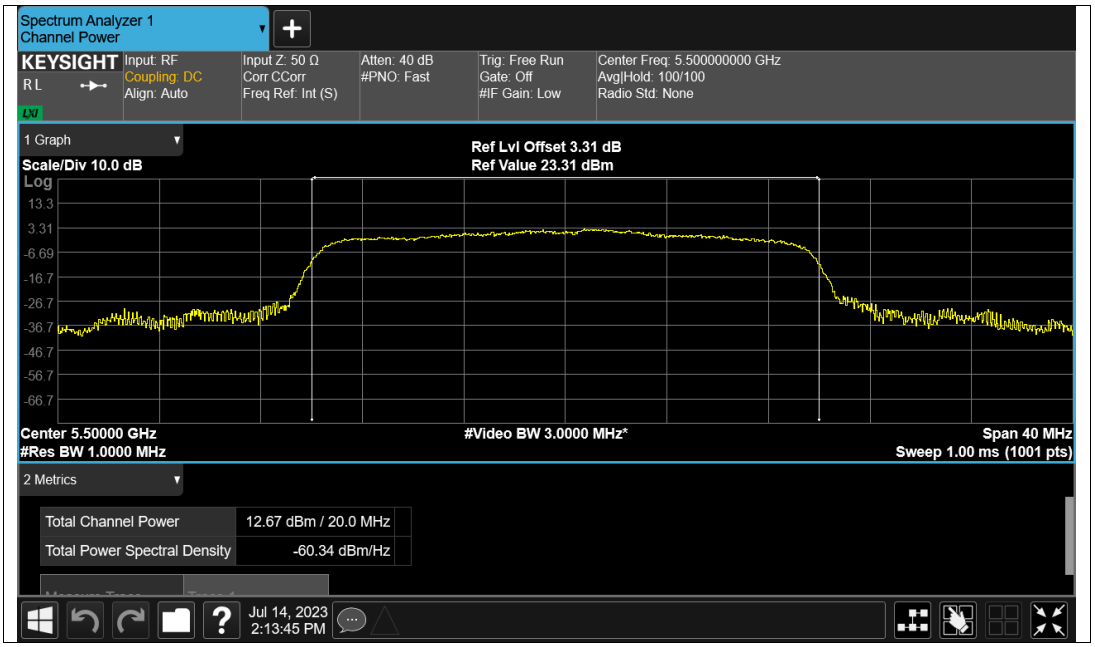
Power NVNT a/n/ac/ax20 5260MHz Ant1



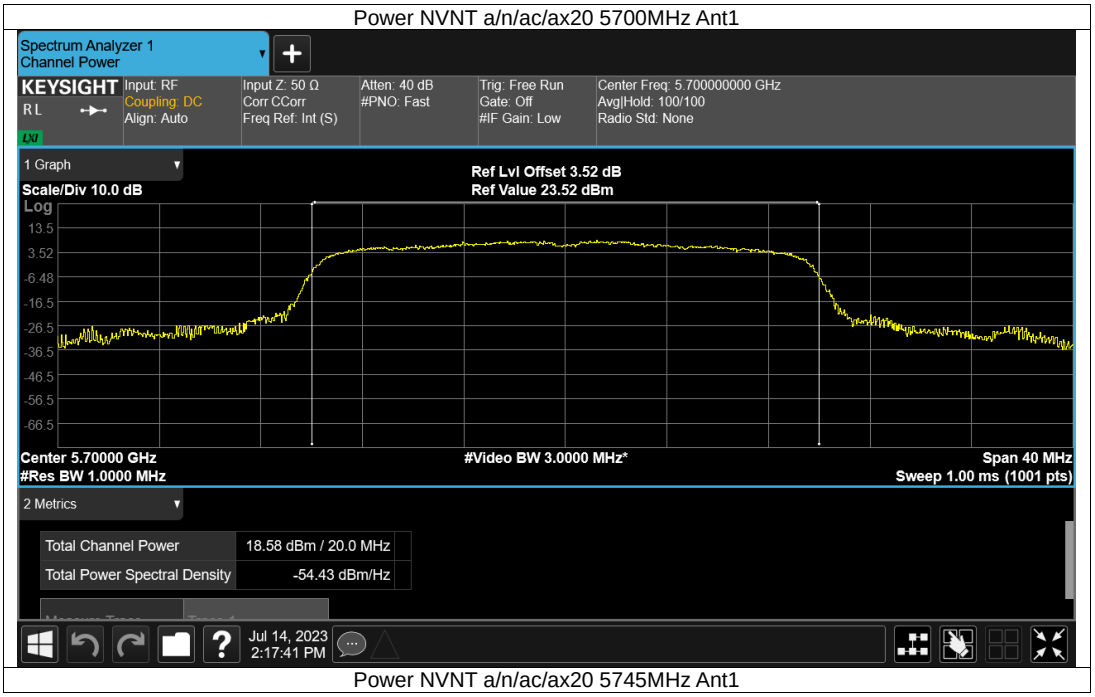
Power NVNT a/n/ac/ax20 5320MHz Ant1



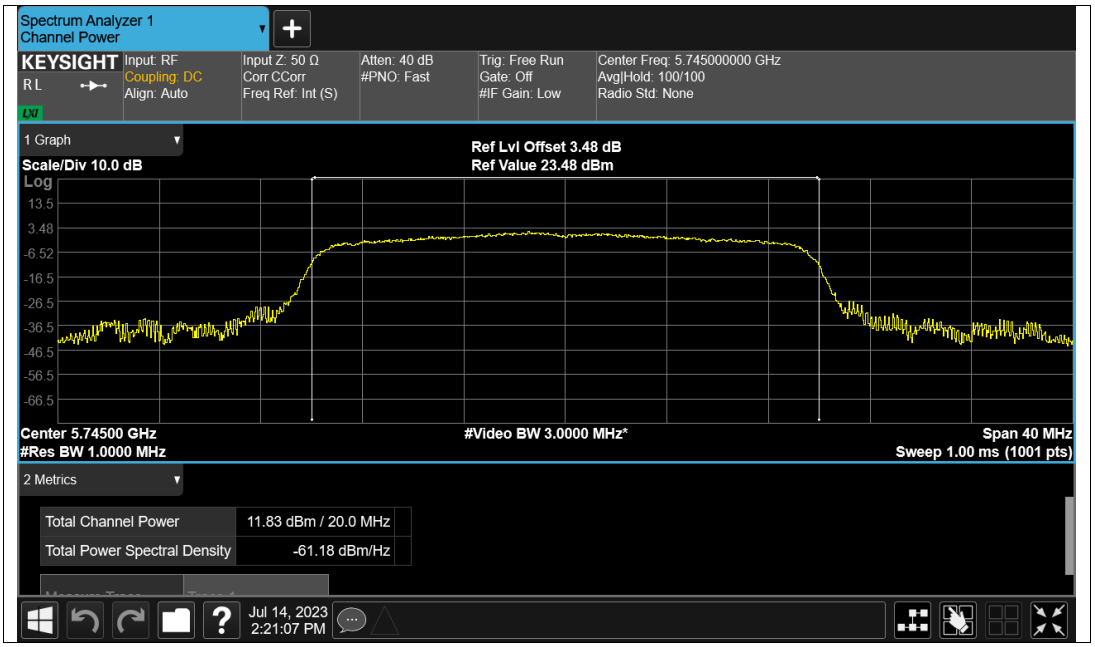
Power NVNT a/n/ac/ax20 5500MHz Ant1



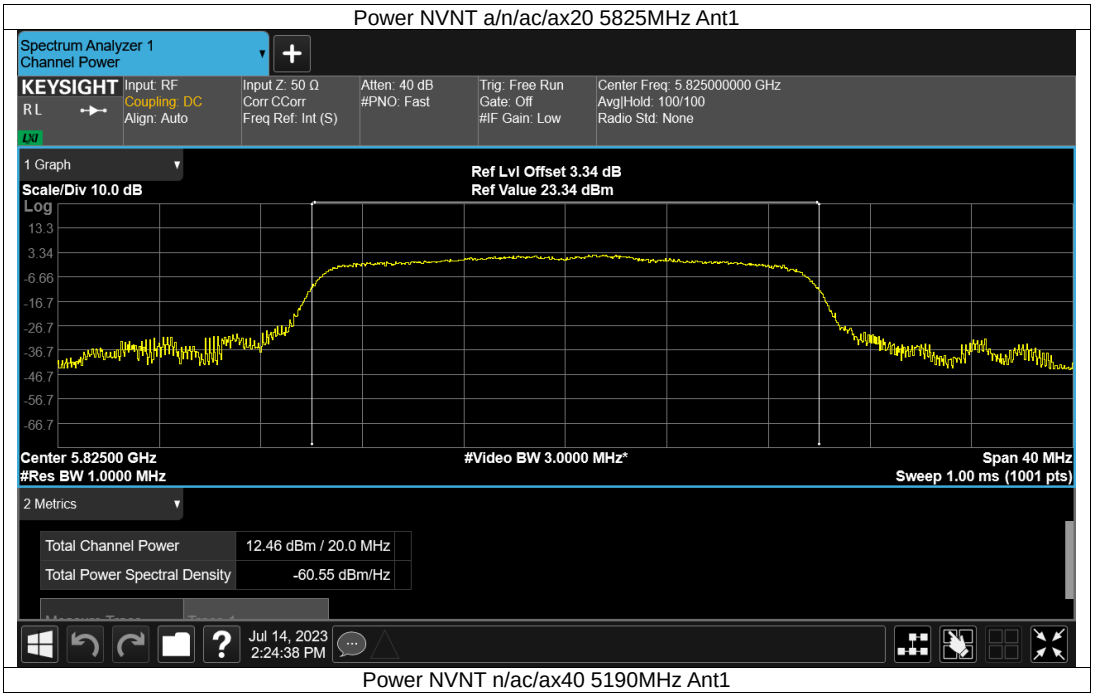
Power NVNT a/n/ac/ax20 5700MHz Ant1



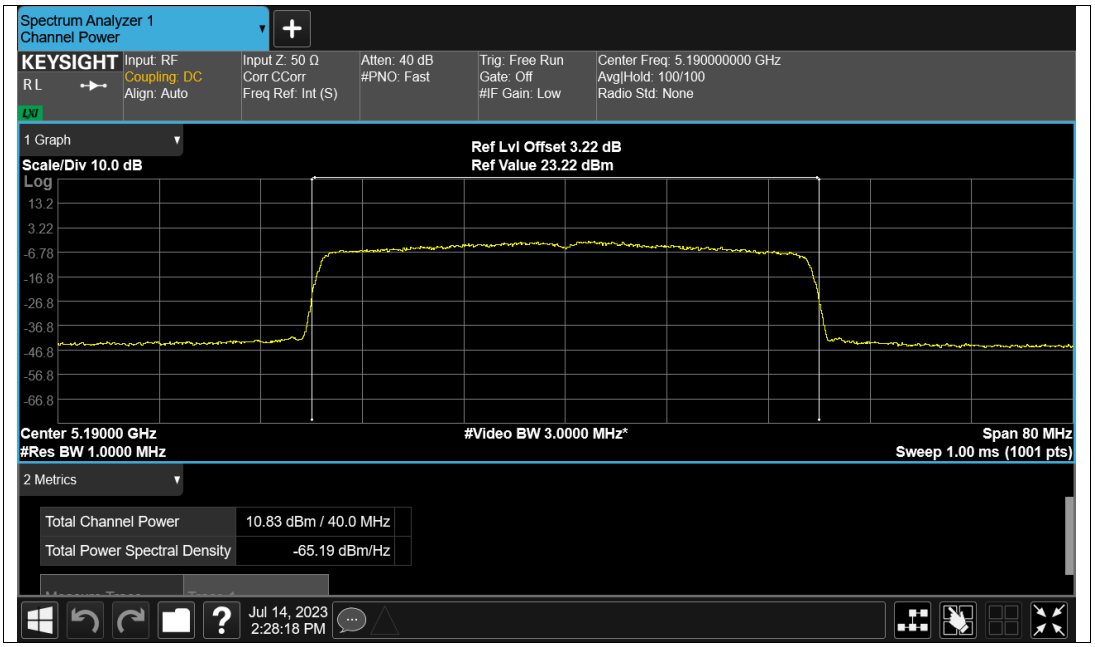
Power NVNT a/n/ac/ax20 5745MHz Ant1



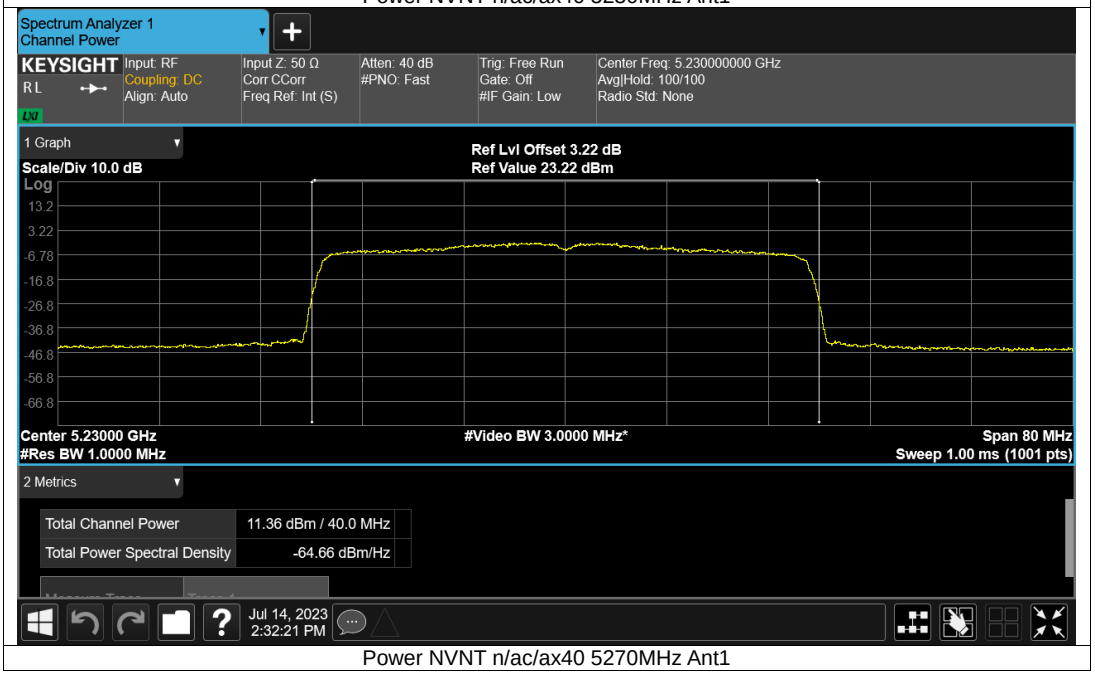
Power NVNT a/n/ac/ax20 5825MHz Ant1



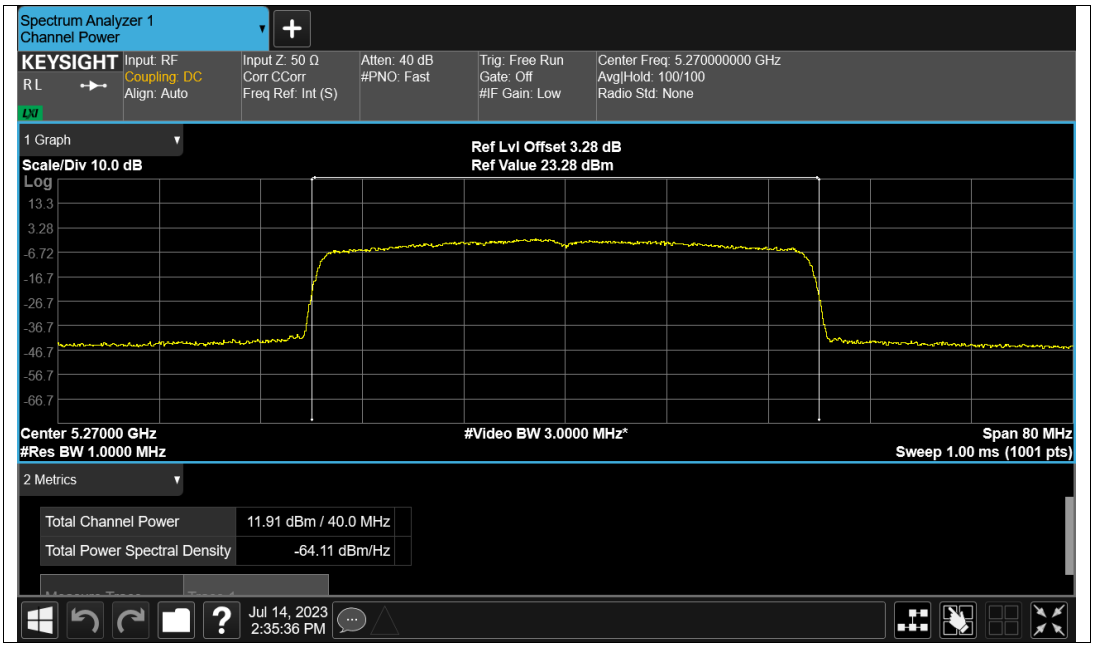
Power NVNT n/ac/ax40 5190MHz Ant1



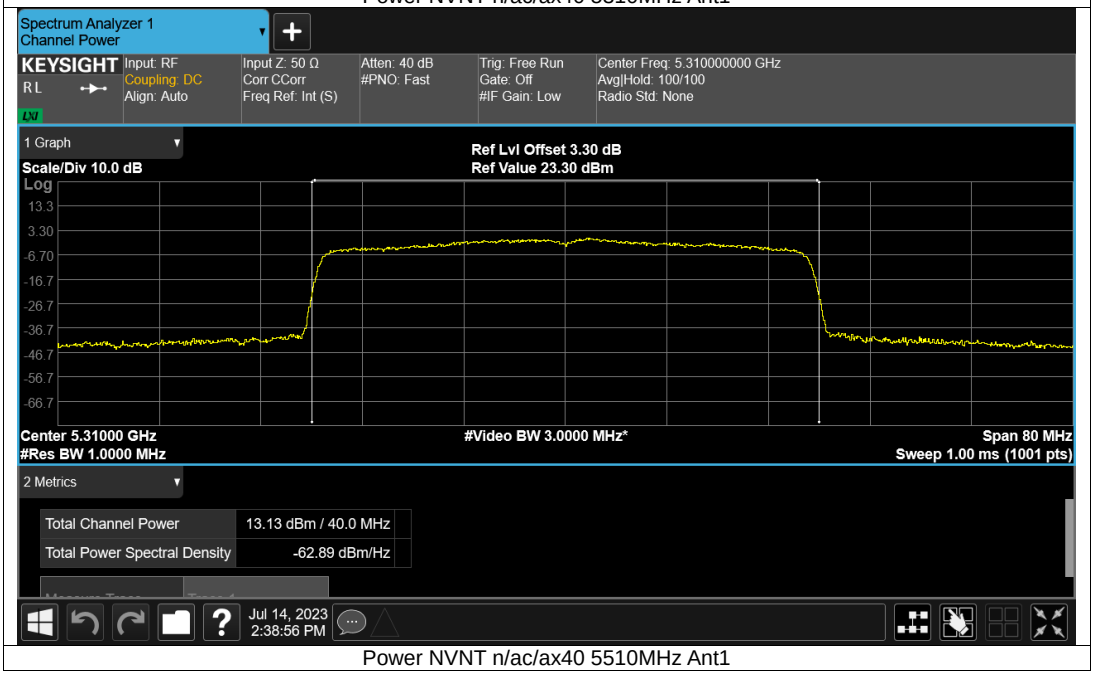
Power NVNT n/ac/ax40 5230MHz Ant1



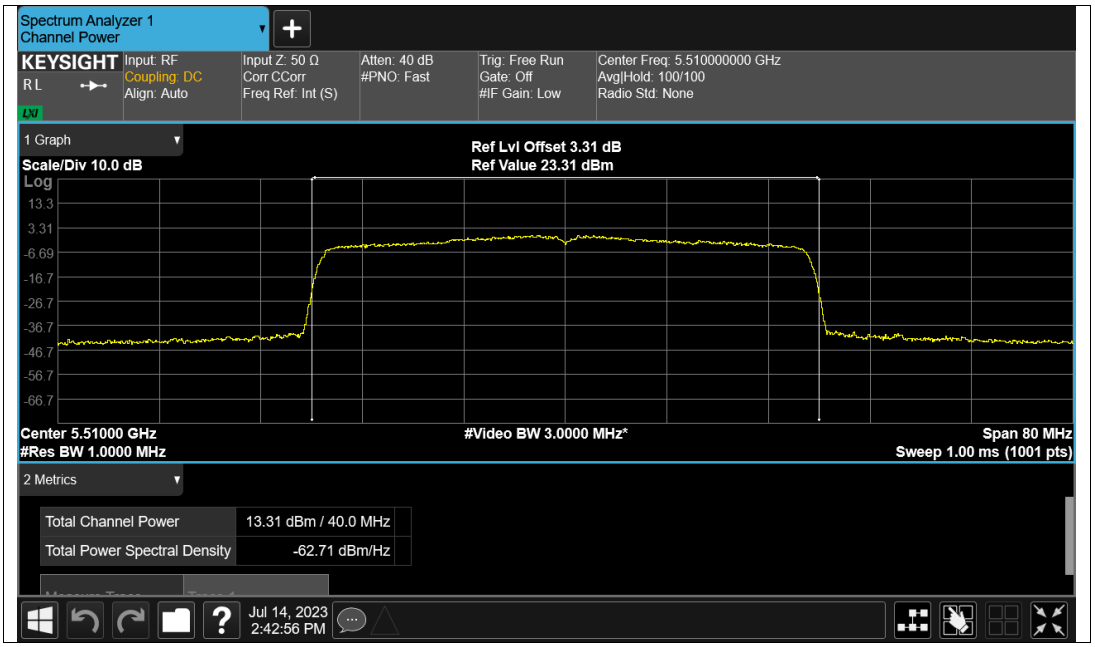
Power NVNT n/ac/ax40 5270MHz Ant1



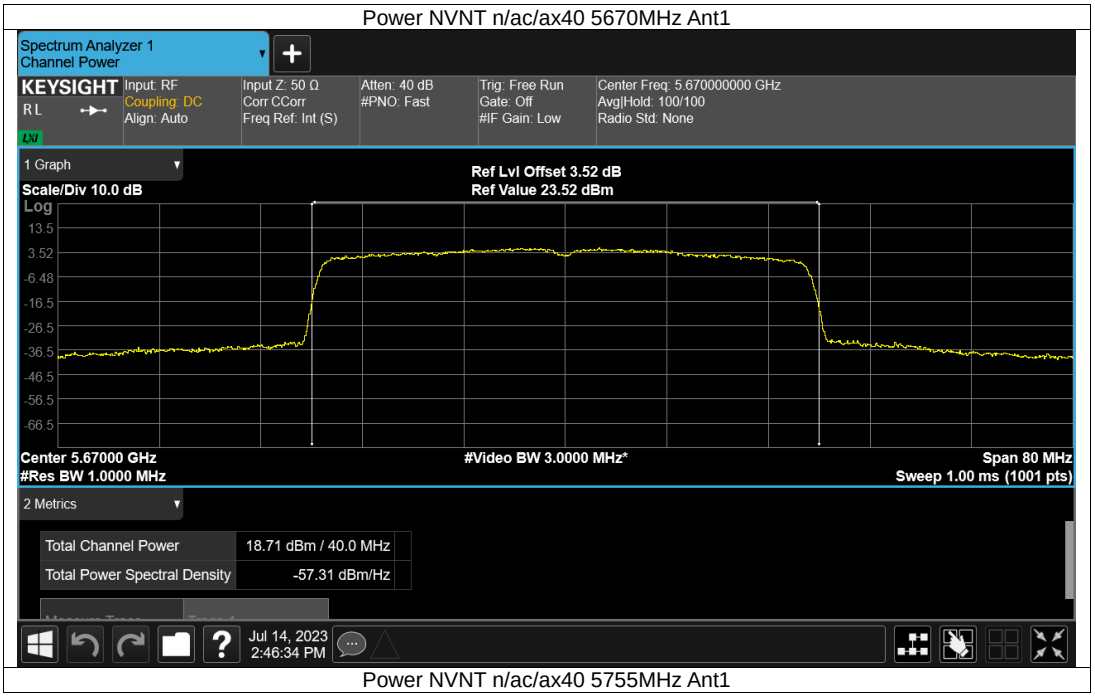
Power NVNT n/ac/ax40 5310MHz Ant1



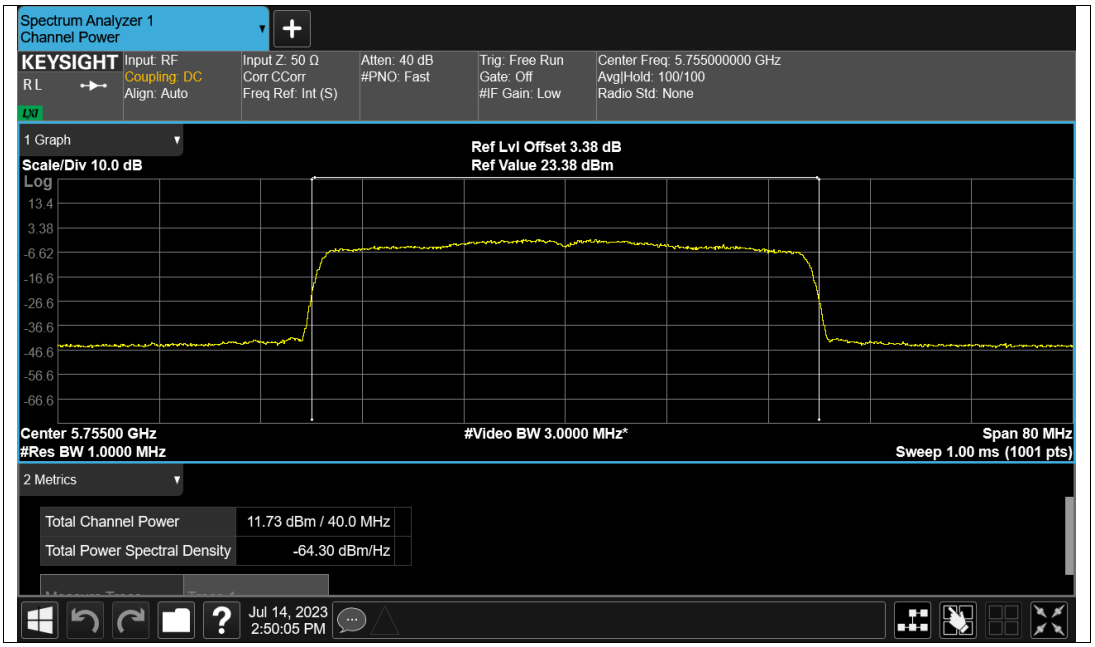
Power NVNT n/ac/ax40 5510MHz Ant1



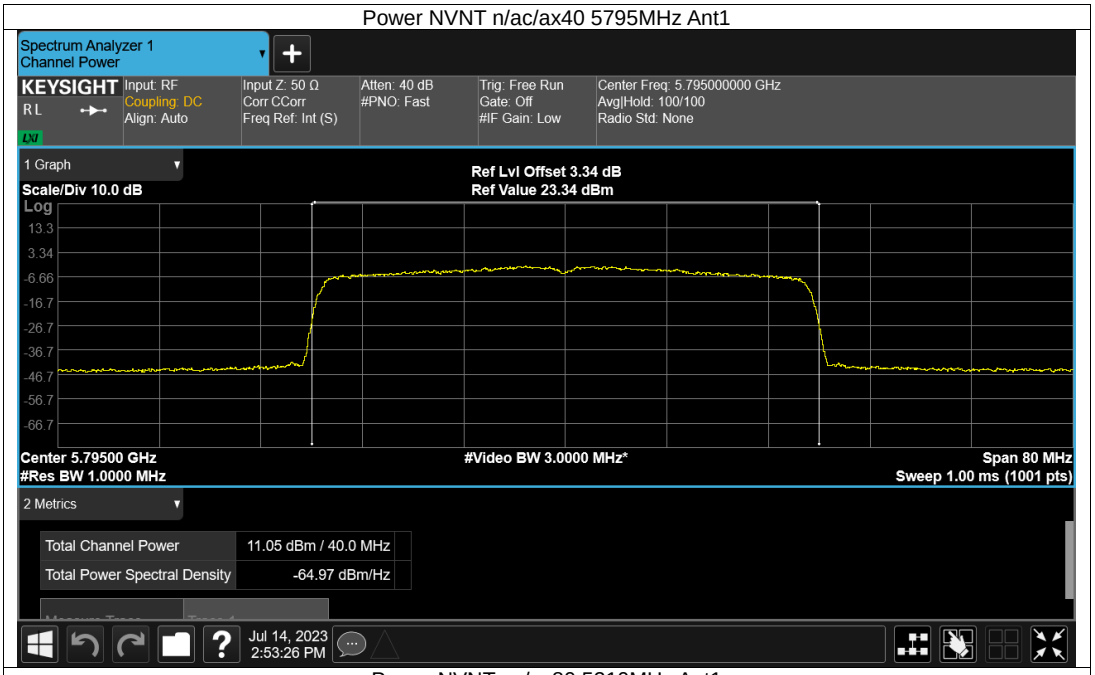
Power NVNT n/ac/ax40 5670MHz Ant1



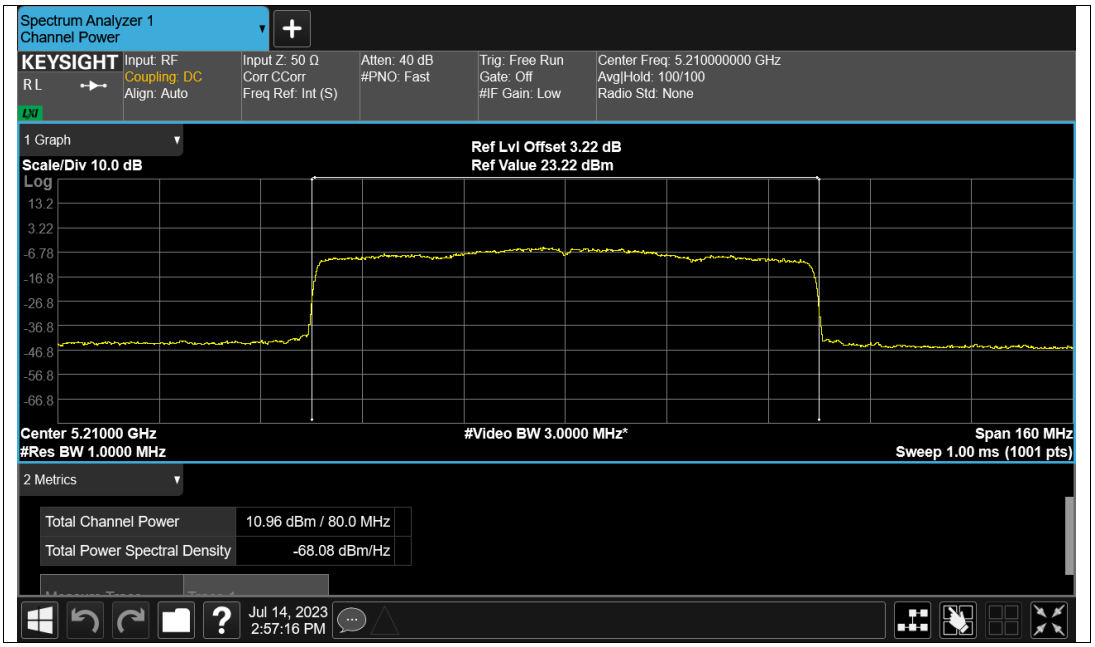
Power NVNT n/ac/ax40 5755MHz Ant1



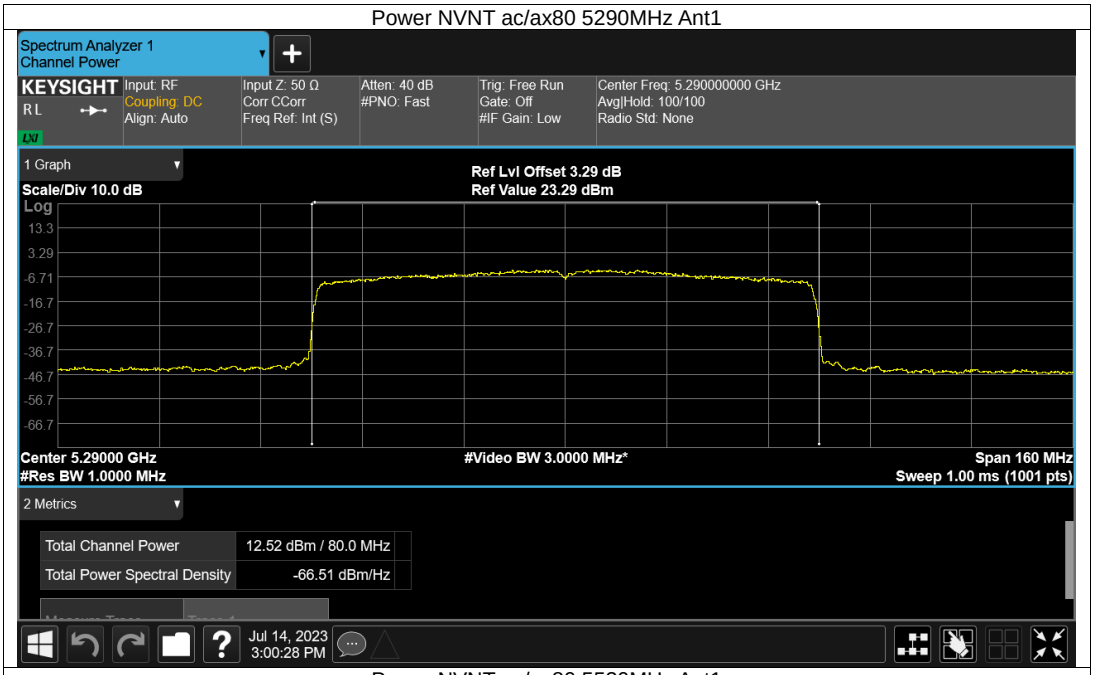
Power NVNT n/ac/ax40 5795MHz Ant1



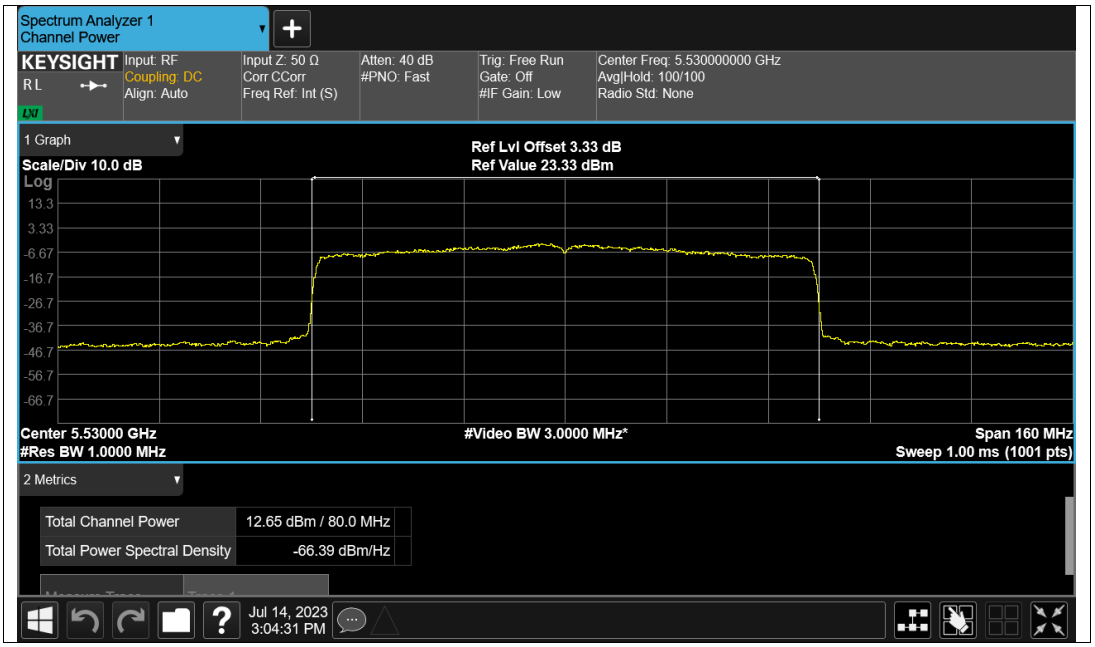
Power NVNT ac/ax80 5210MHz Ant1



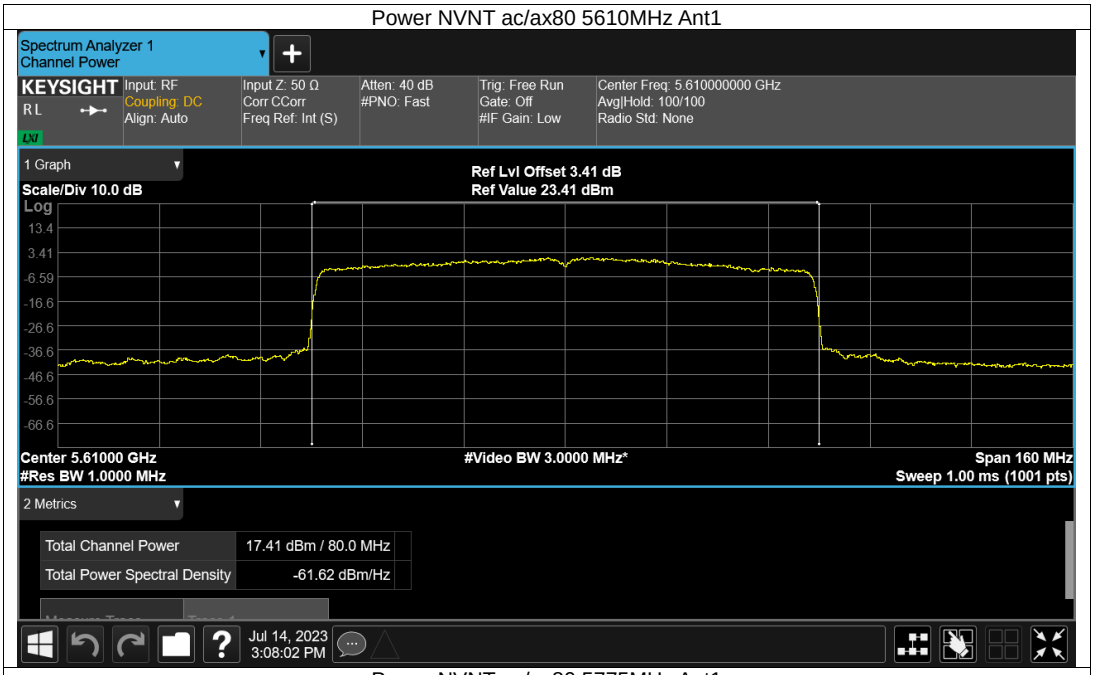
Power NVNT ac/ax80 5290MHz Ant1



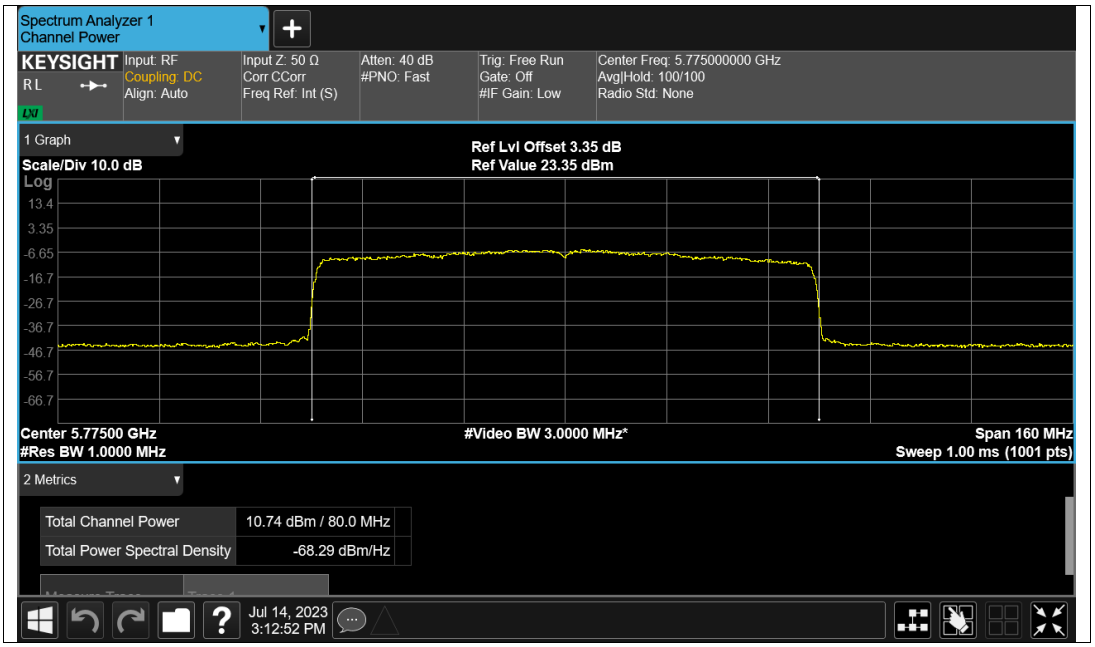
Power NVNT ac/ax80 5530MHz Ant1



Power NVNT ac/ax80 5610MHz Ant1

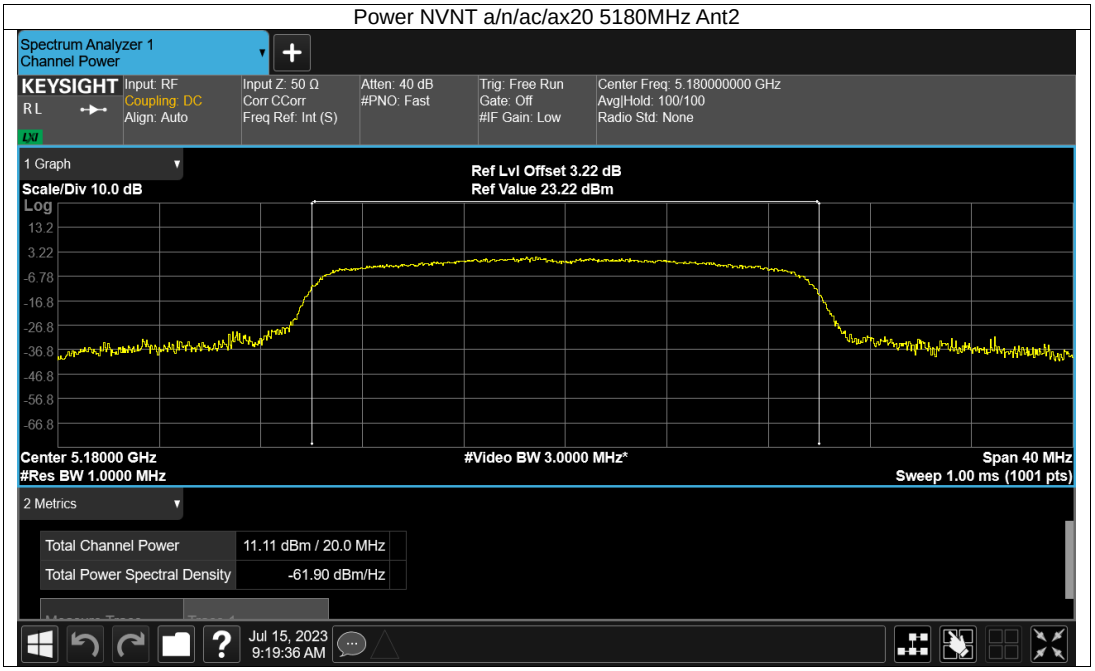


Power NVNT ac/ax80 5775MHz Ant1

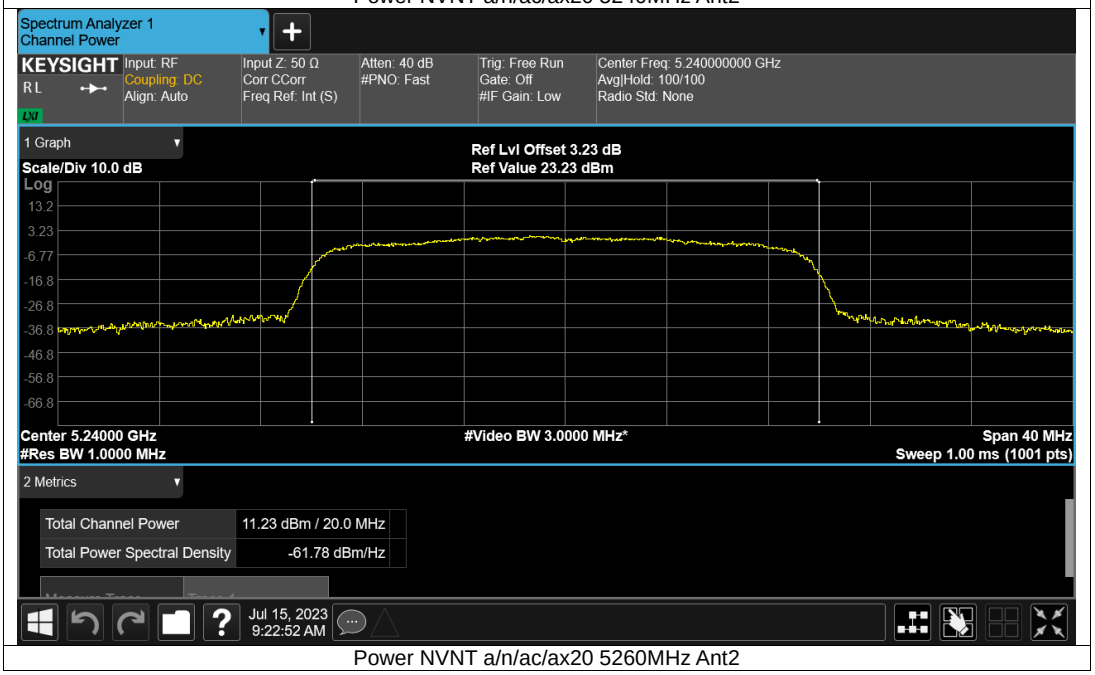

Spectrum Analyzer 1
Channel Power
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 40 dB
#PNO: Fast
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 5.775000000 GHz
Avg|Hold: 100/100
Radio Std: None
1 Graph
Ref Lvl Offset 3.35 dB
Ref Value 23.35 dBm
Scale/Div 10.0 dB
Log
13.4
3.35
-6.65
-16.7
-26.7
-36.7
-46.7
-56.7
-66.7
Center 5.77500 GHz
#Res BW 1.0000 MHz
#Video BW 3.0000 MHz*
Span 160 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Total Channel Power
10.74 dBm / 80.0 MHz
Total Power Spectral Density
-68.29 dBm/Hz
Jul 14, 2023
3:12:52 PM

ANT2

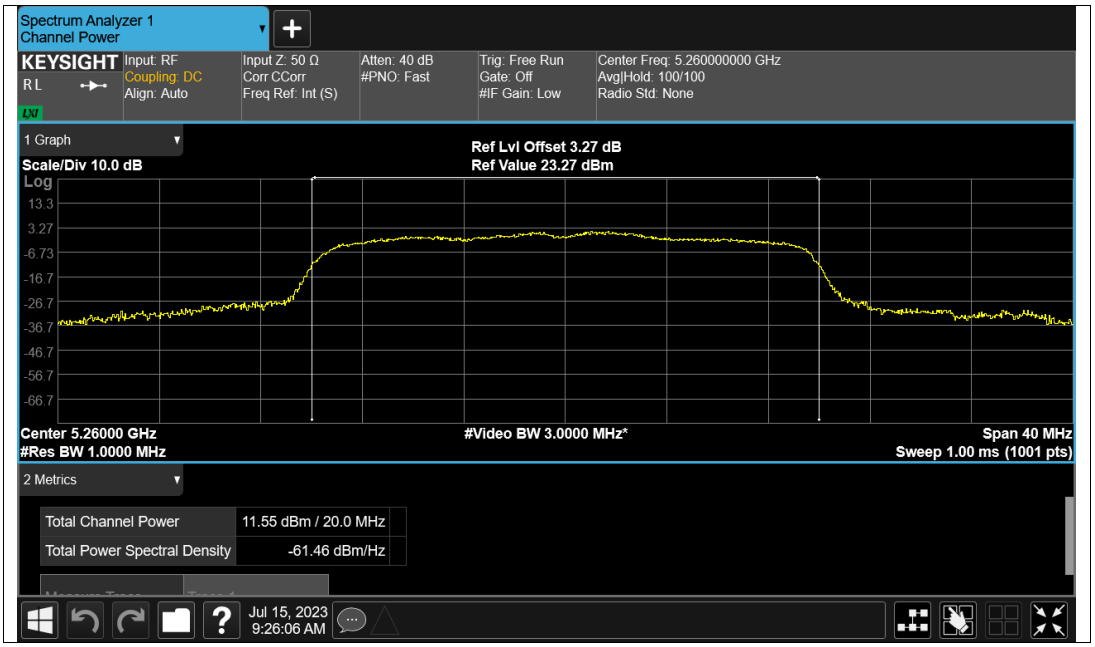
Power NVNT a/n/ac/ax20 5180MHz Ant2



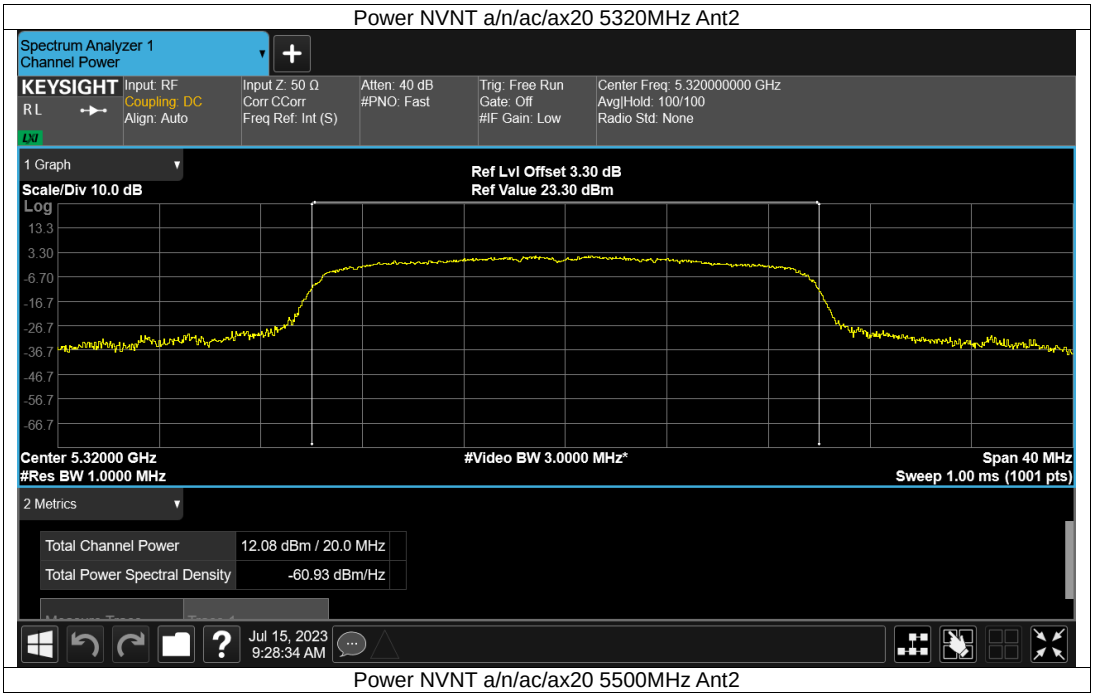
Power NVNT a/n/ac/ax20 5240MHz Ant2



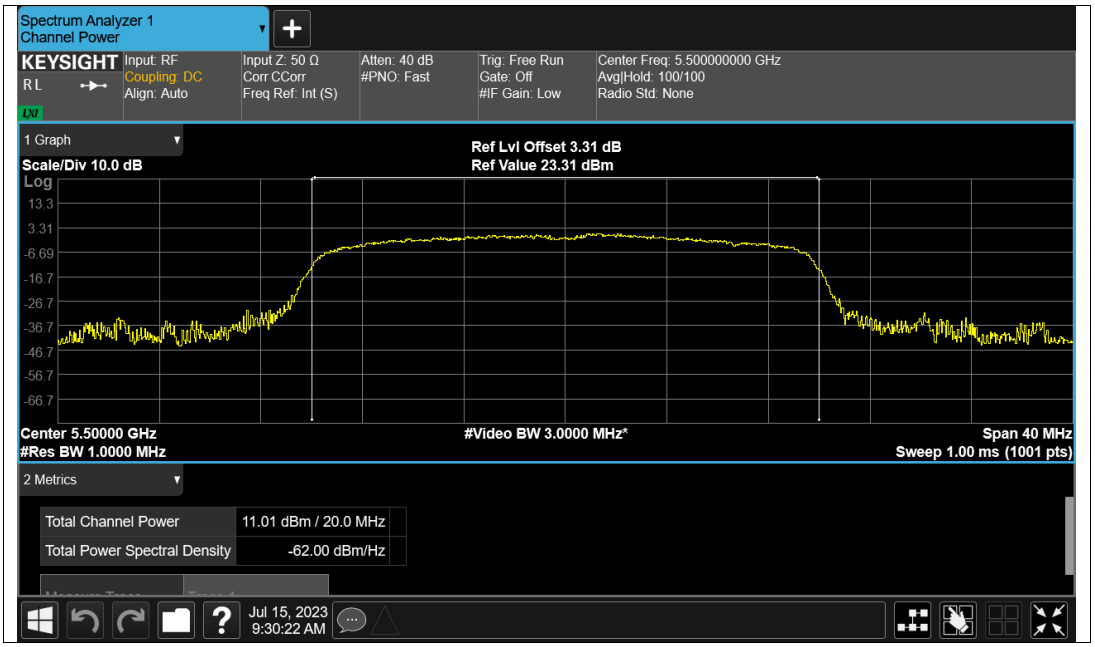
Power NVNT a/n/ac/ax20 5260MHz Ant2



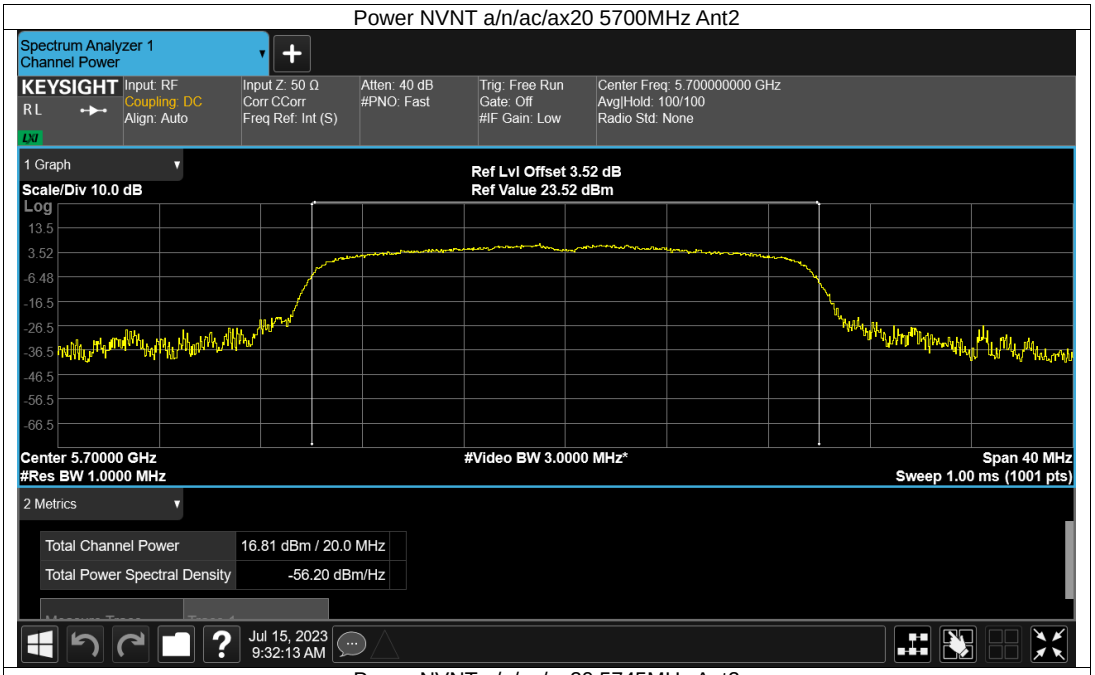
Power NVNT a/n/ac/ax20 5320MHz Ant2



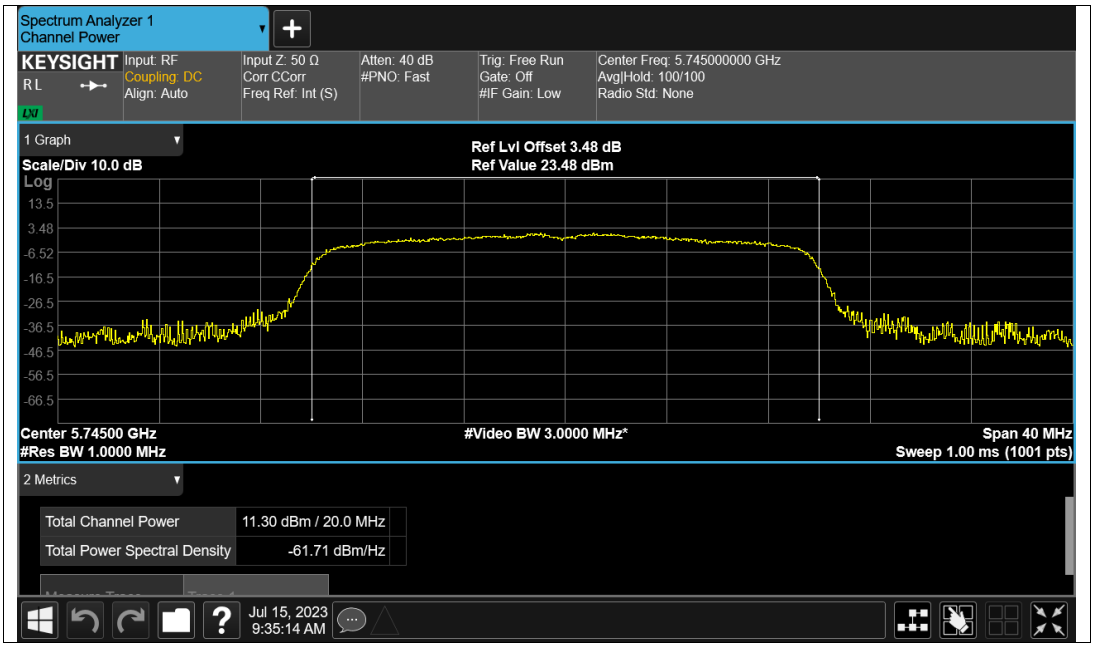
Power NVNT a/n/ac/ax20 5500MHz Ant2



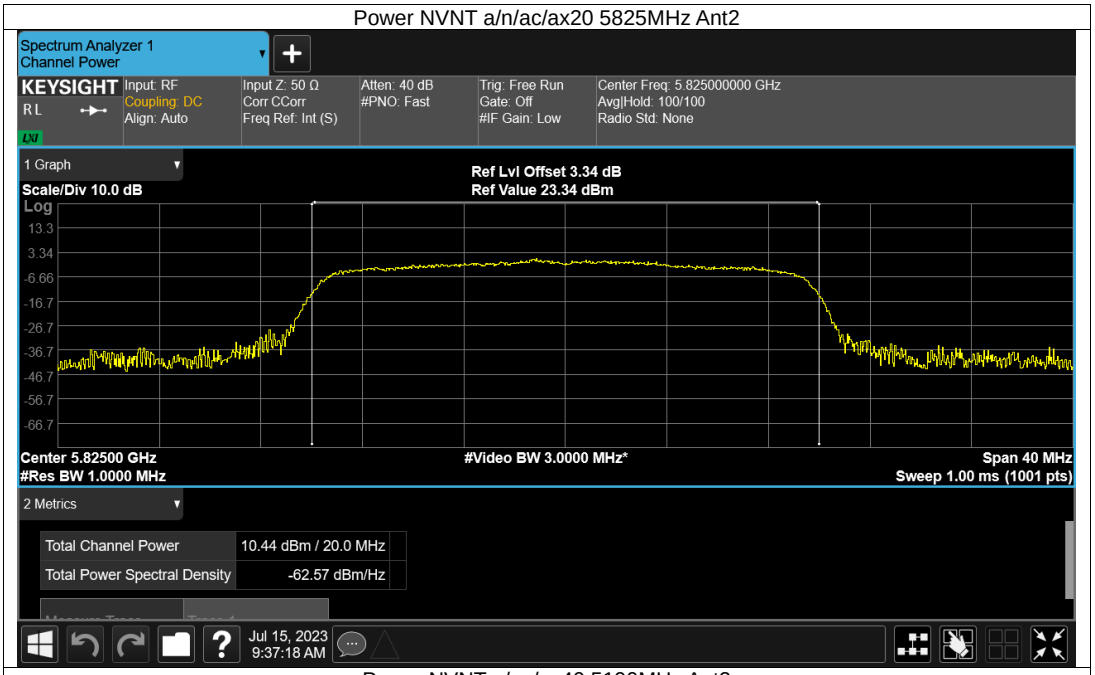
Power NVNT a/n/ac/ax20 5700MHz Ant2



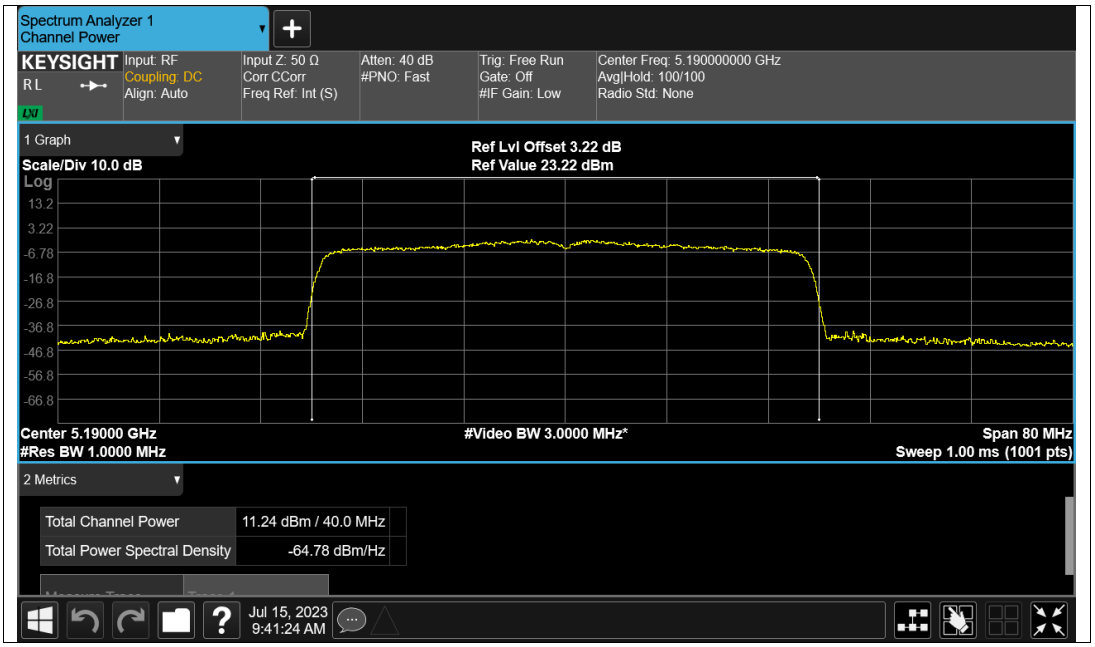
Power NVNT a/n/ac/ax20 5745MHz Ant2



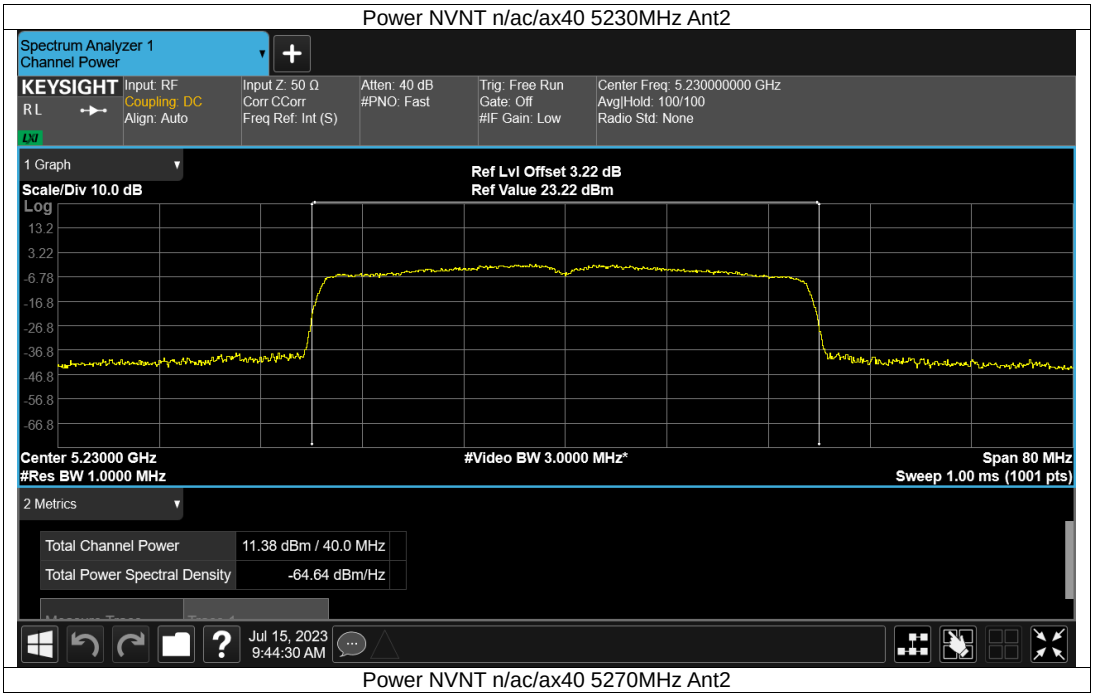
Power NVNT a/n/ac/ax20 5825MHz Ant2



Power NVNT n/ac/ax40 5190MHz Ant2

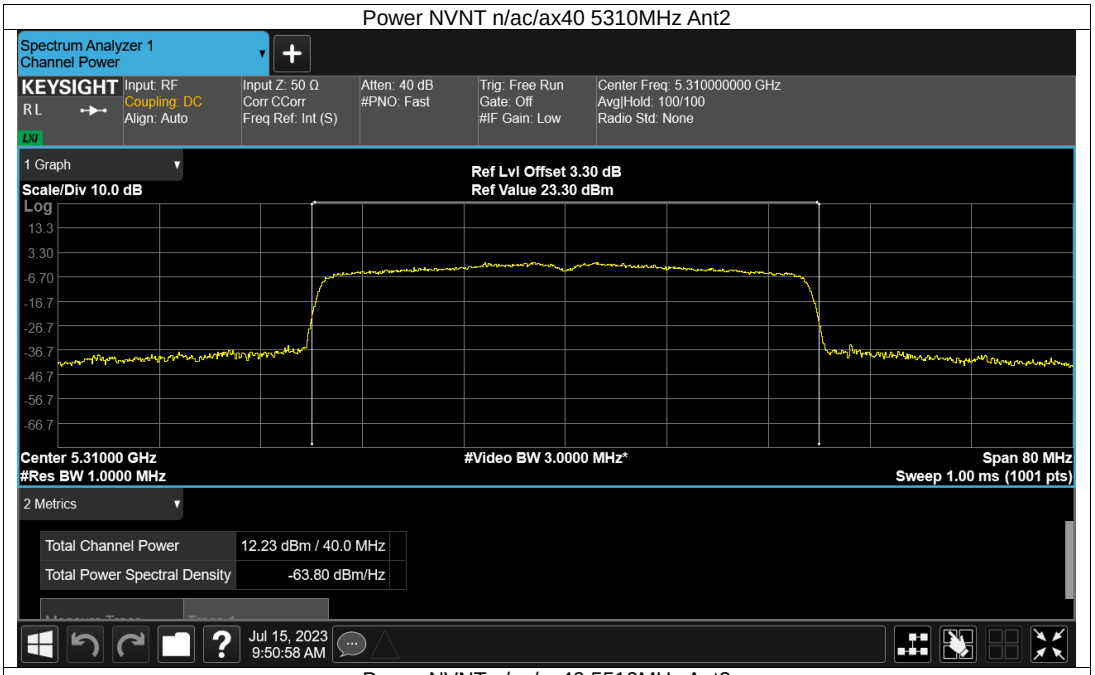


Power NVNT n/ac/ax40 5230MHz Ant2

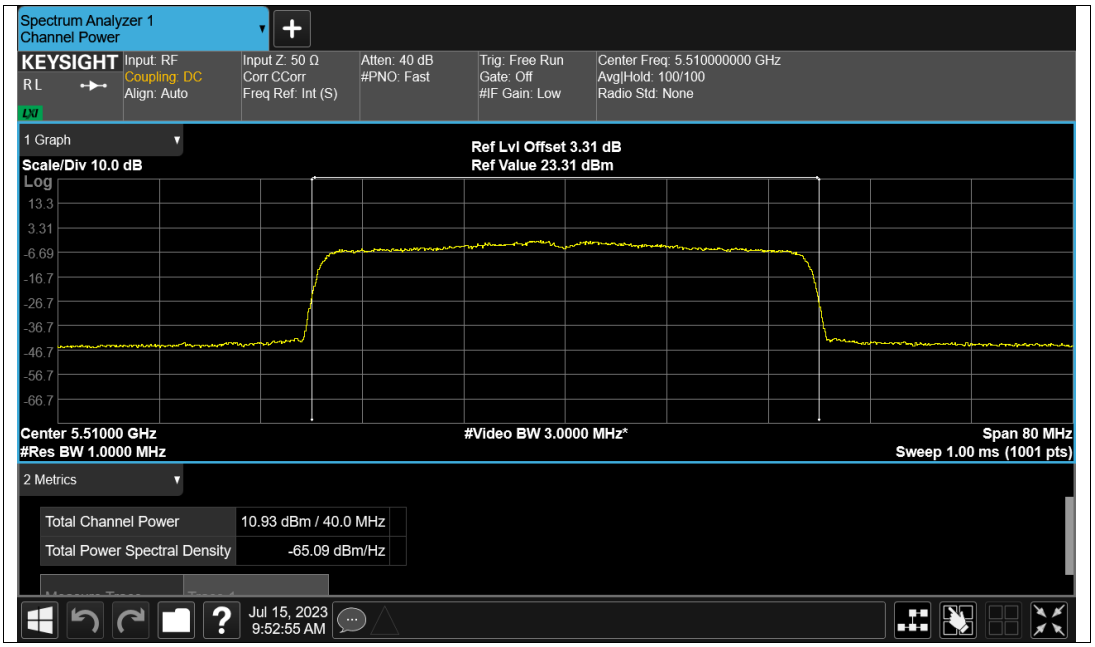


Power NVNT n/ac/ax40 5270MHz Ant2

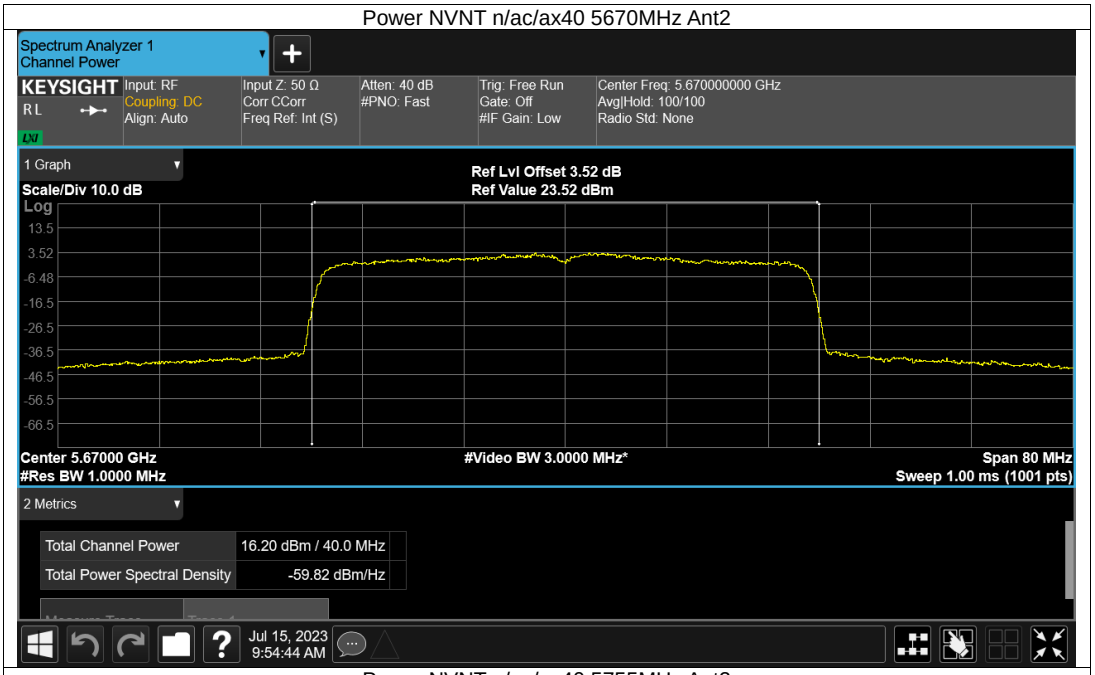
Power NVNT n/ac/ax40 5310MHz Ant2



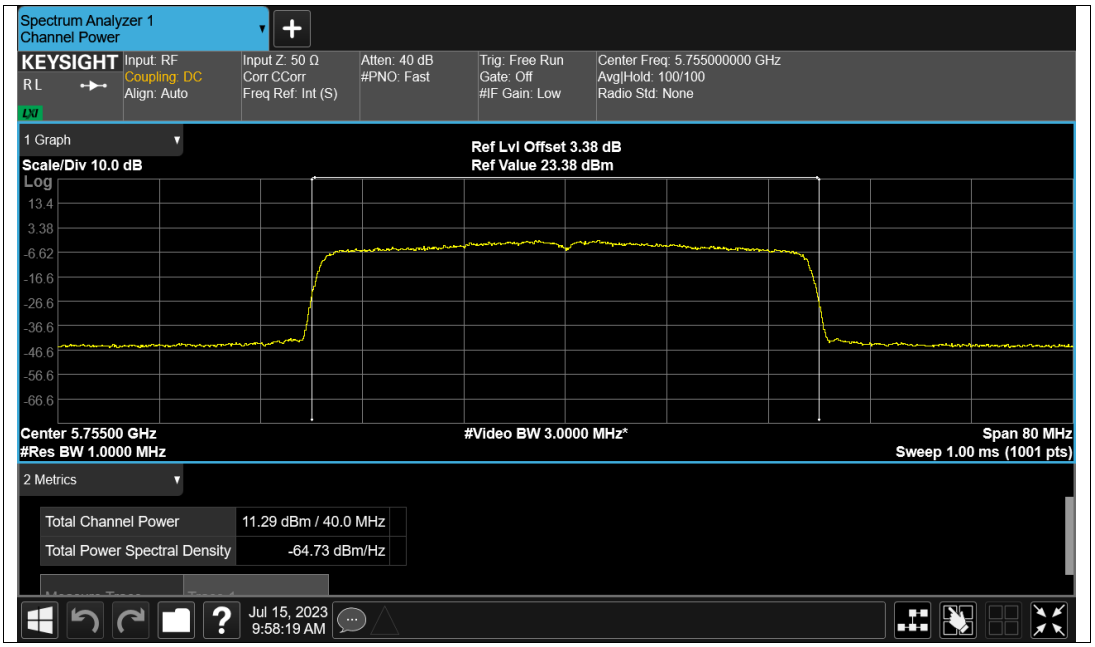
Power NVNT n/ac/ax40 5510MHz Ant2



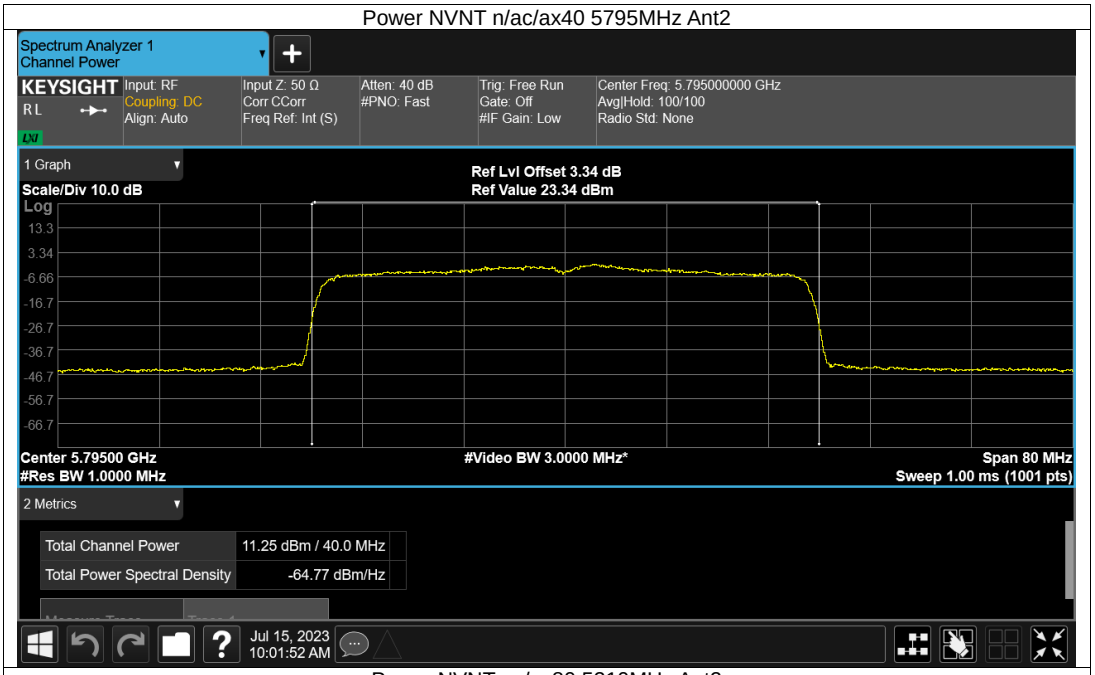
Power NVNT n/ac/ax40 5670MHz Ant2



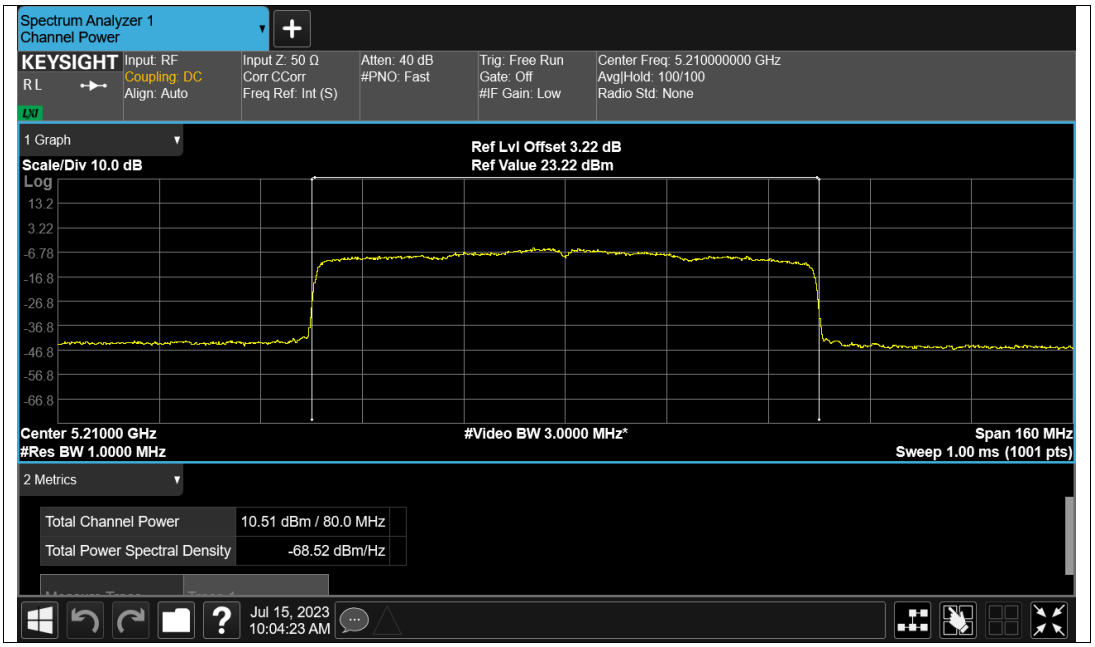
Power NVNT n/ac/ax40 5755MHz Ant2



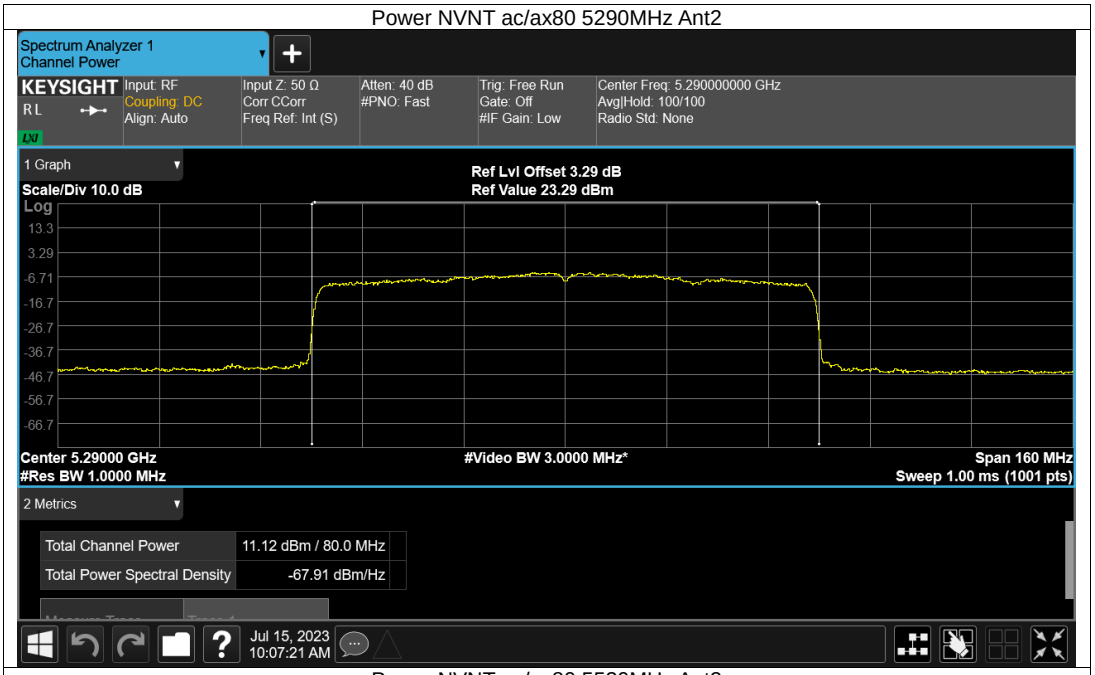
Power NVNT n/ac/ax40 5795MHz Ant2



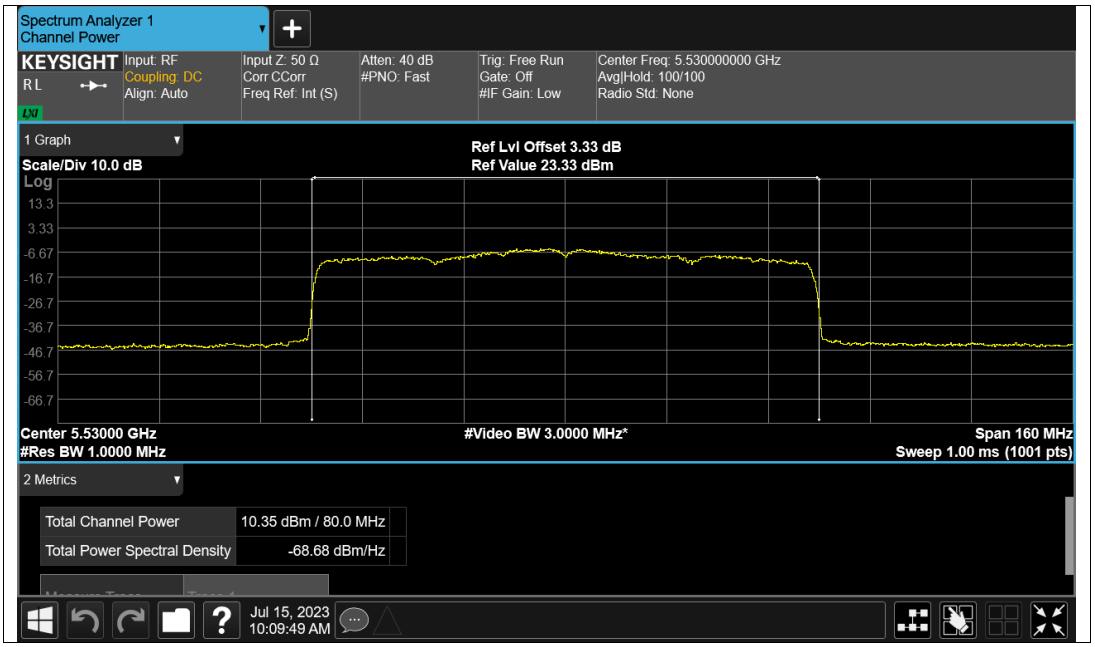
Power NVNT ac/ax80 5210MHz Ant2



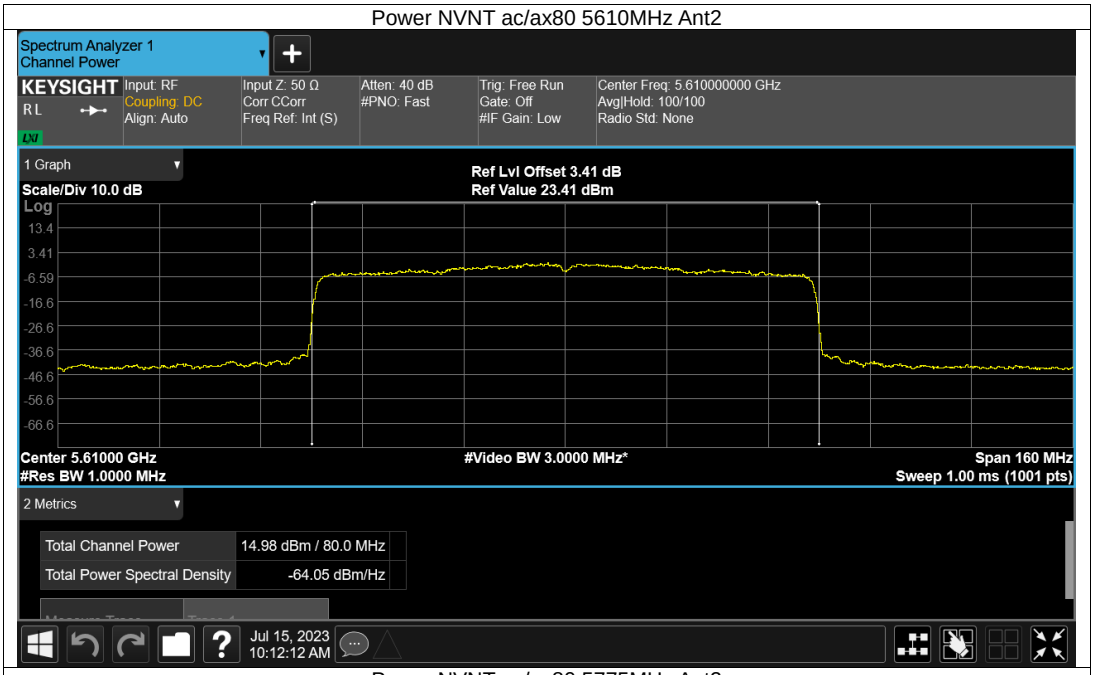
Power NVNT ac/ax80 5290MHz Ant2



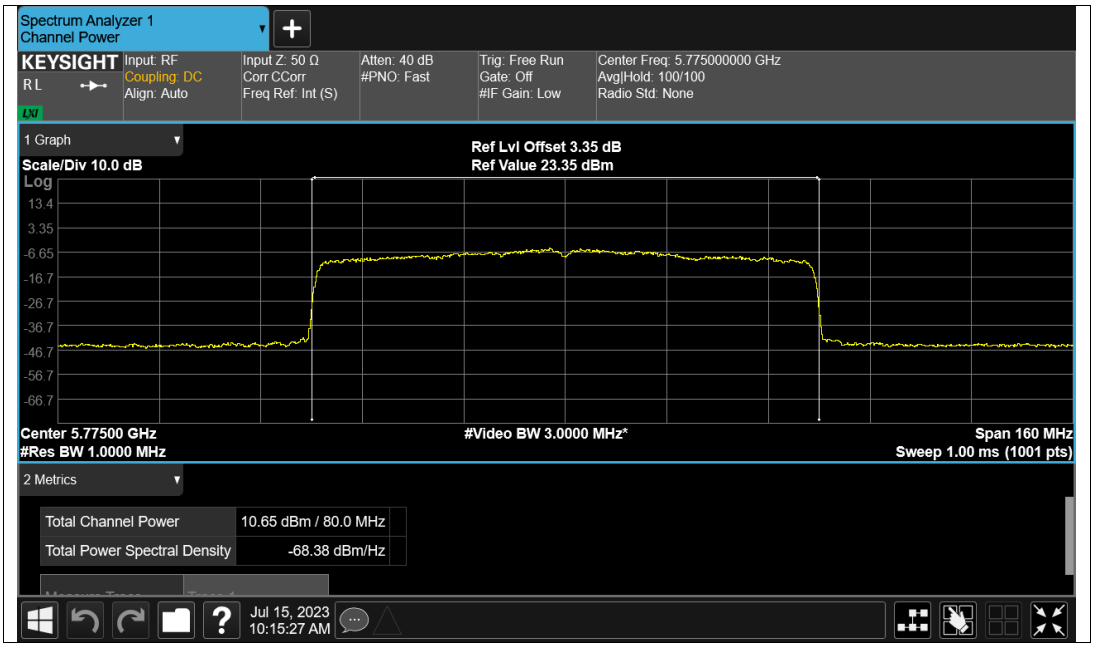
Power NVNT ac/ax80 5530MHz Ant2



Power NVNT ac/ax80 5610MHz Ant2



Power NVNT ac/ax80 5775MHz Ant2


Spectrum Analyzer 1
Channel Power
KEYSIGHT
RL
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 40 dB
#PNO: Fast
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 5.775000000 GHz
Avg|Hold: 100/100
Radio Std: None
1 Graph
Ref Lvl Offset 3.35 dB
Ref Value 23.35 dBm
Scale/Div 10.0 dB
Log
13.4
3.35
-6.65
-16.7
-26.7
-36.7
-46.7
-56.7
-66.7
Center 5.77500 GHz
#Res BW 1.0000 MHz
#Video BW 3.0000 MHz*
Span 160 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Total Channel Power
10.65 dBm / 80.0 MHz
Total Power Spectral Density
-68.38 dBm/Hz
Jul 15, 2023
10:15:27 AM

3 Annex C Peak Power Spectral Density

MAIN Ant1

Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	1.49	11	Pass
	High	5240	2.1	11	Pass
2	Low	5260	2.2	11	Pass
	High	5320	3.88	11	Pass
3	Low	5500	3.68	11	Pass
	High	5700	8.94	11	Pass
4	Low	5745	-0.7	30	Pass
	High	5825	0.33	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	-1.22	11	Pass
	High	5230	-0.22	11	Pass
2	Low	5270	-0.16	11	Pass
	High	5310	1.18	11	Pass
3	Low	5510	0.95	11	Pass
	High	5670	7.24	11	Pass
4	Low	5755	-3.07	30	Pass
	High	5795	-4.14	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	-3.75	11	Pass
2	Low	5290	-2.13	11	Pass
3	Low	5530	-2.3	11	Pass
	High	5610	2.92	11	Pass
4	Low	5775	-7.27	30	Pass

AUX Ant2

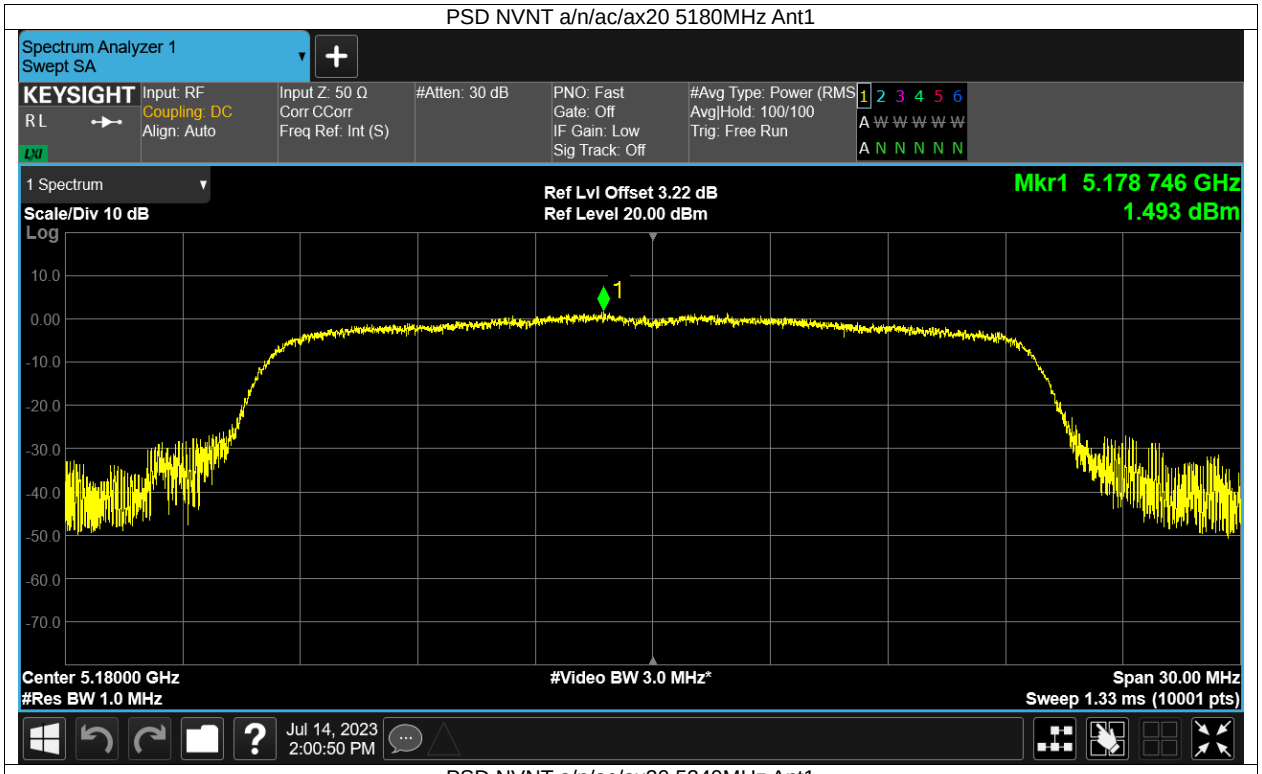
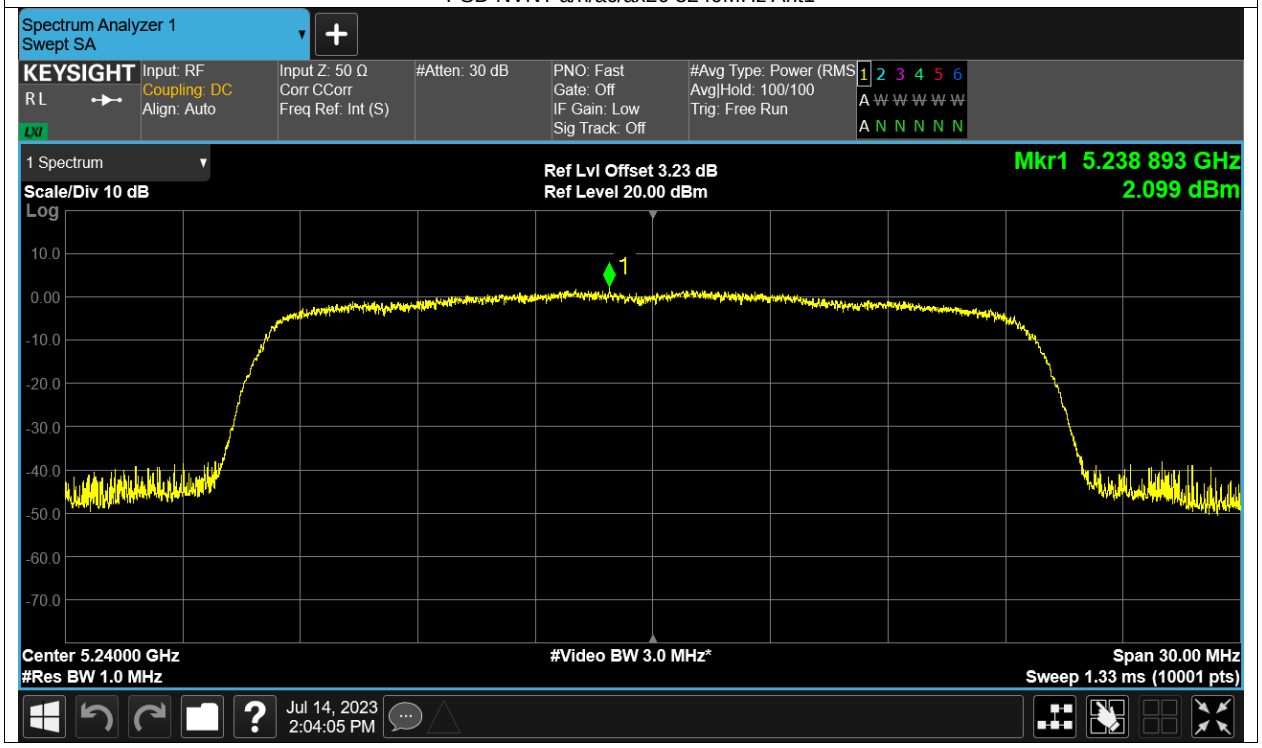
Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	2.51	11	Pass
	High	5240	2.65	11	Pass
2	Low	5260	2.53	11	Pass
	High	5320	3.03	11	Pass
3	Low	5500	2.44	11	Pass
	High	5700	7.29	11	Pass
4	Low	5745	-0.62	30	Pass
	High	5825	-1.22	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	-0.41	11	Pass
	High	5230	-0.18	11	Pass
2	Low	5270	0.19	11	Pass
	High	5310	0.26	11	Pass
3	Low	5510	-1.15	11	Pass
	High	5670	4.33	11	Pass
4	Low	5755	-3.2	30	Pass
	High	5795	-3.31	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	-4.06	11	Pass
2	Low	5290	-3.64	11	Pass
3	Low	5530	-4.52	11	Pass
	High	5610	0.29	11	Pass
4	Low	5775	-6.69	30	Pass

MIMO mode

Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5180	5.04	11	Pass
	High	5240	5.39	11	Pass
2	Low	5260	5.38	11	Pass
	High	5320	6.49	11	Pass
3	Low	5500	6.11	11	Pass
	High	5700	11.20	11	Pass
4	Low	5745	2.35	30	Pass
	High	5825	2.63	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	2.21	11	Pass
	High	5230	2.81	11	Pass
2	Low	5270	3.03	11	Pass
	High	5310	3.75	11	Pass
3	Low	5510	3.04	11	Pass
	High	5670	9.03	11	Pass
4	Low	5755	-0.12	30	Pass
	High	5795	-0.69	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	-0.89	11	Pass
2	Low	5290	0.19	11	Pass
3	Low	5530	-0.26	11	Pass
	High	5610	4.81	11	Pass
4	Low	5775	-3.96	30	Pass

ANT1

PSD NVNT a/n/ac/ax20 5180MHz Ant1



PSD NVNT a/n/ac/ax20 5240MHz Ant1