

RF Test Data for 5G WiFi (Conducted Measurements)

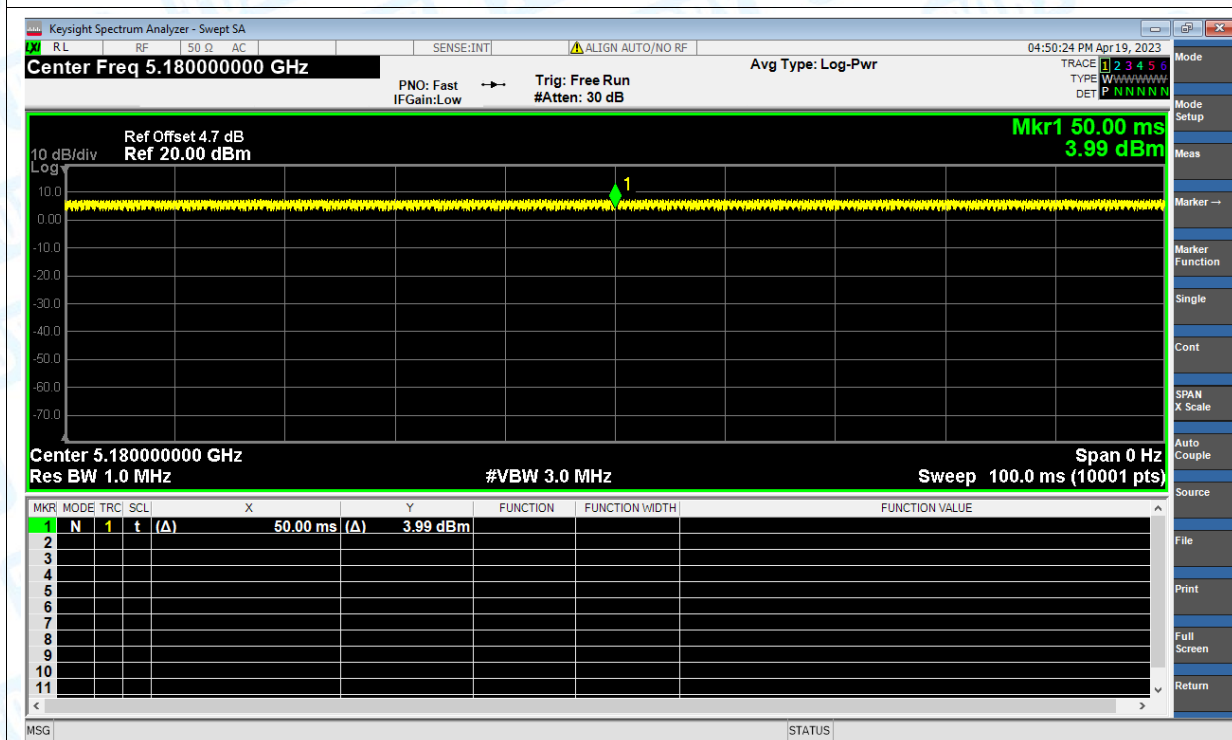
General Description of EUT	
Product Name:	Dash Camera
Test Model:	iD600
Sample ID:	RW-C-202303-0363-1-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 5.0V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202303-0363-22 The report only show the worst case data.	

1. Duty Cycle

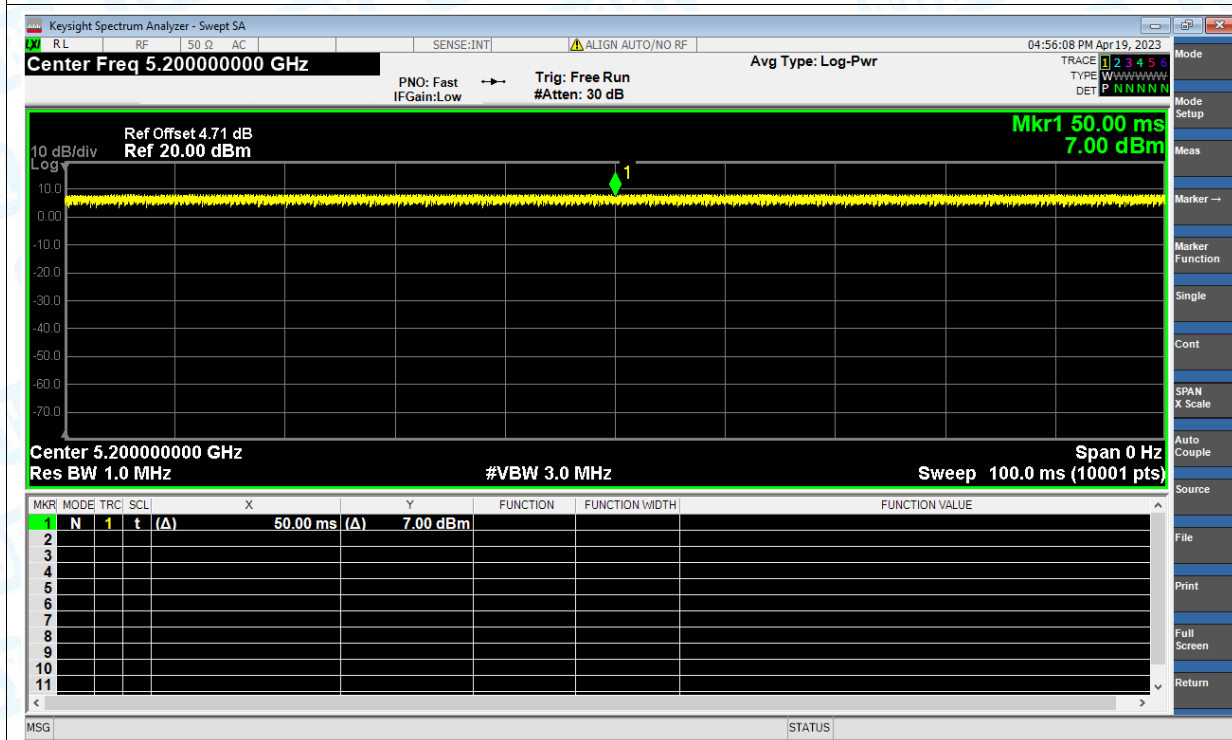
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	100	0	0
NVNT	a	5200	Ant1	100	0	0
NVNT	a	5240	Ant1	100	0	0
NVNT	ac(VHT20)	5180	Ant1	100	0	0
NVNT	ac(VHT20)	5200	Ant1	100	0	0
NVNT	ac(VHT20)	5240	Ant1	100	0	0
NVNT	ac(VHT40)	5190	Ant1	100	0	0
NVNT	ac(VHT40)	5230	Ant1	100	0	0
NVNT	ac(VHT80)	5210	Ant1	100	0	0
NVNT	n(HT20)	5180	Ant1	100	0	0
NVNT	n(HT20)	5200	Ant1	100	0	0
NVNT	n(HT20)	5240	Ant1	100	0	0
NVNT	n(HT40)	5190	Ant1	100	0	0
NVNT	n(HT40)	5230	Ant1	100	0	0

Test Graphs

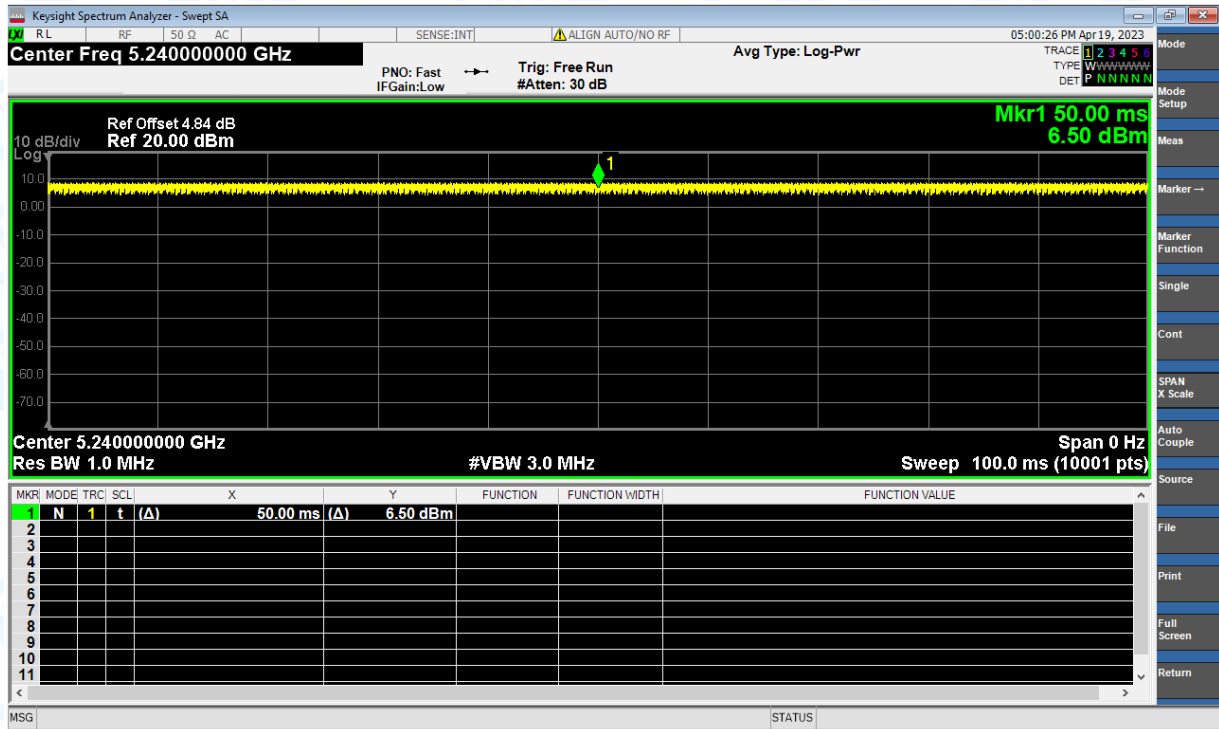
Duty Cycle NVNT a 5180MHz Ant1



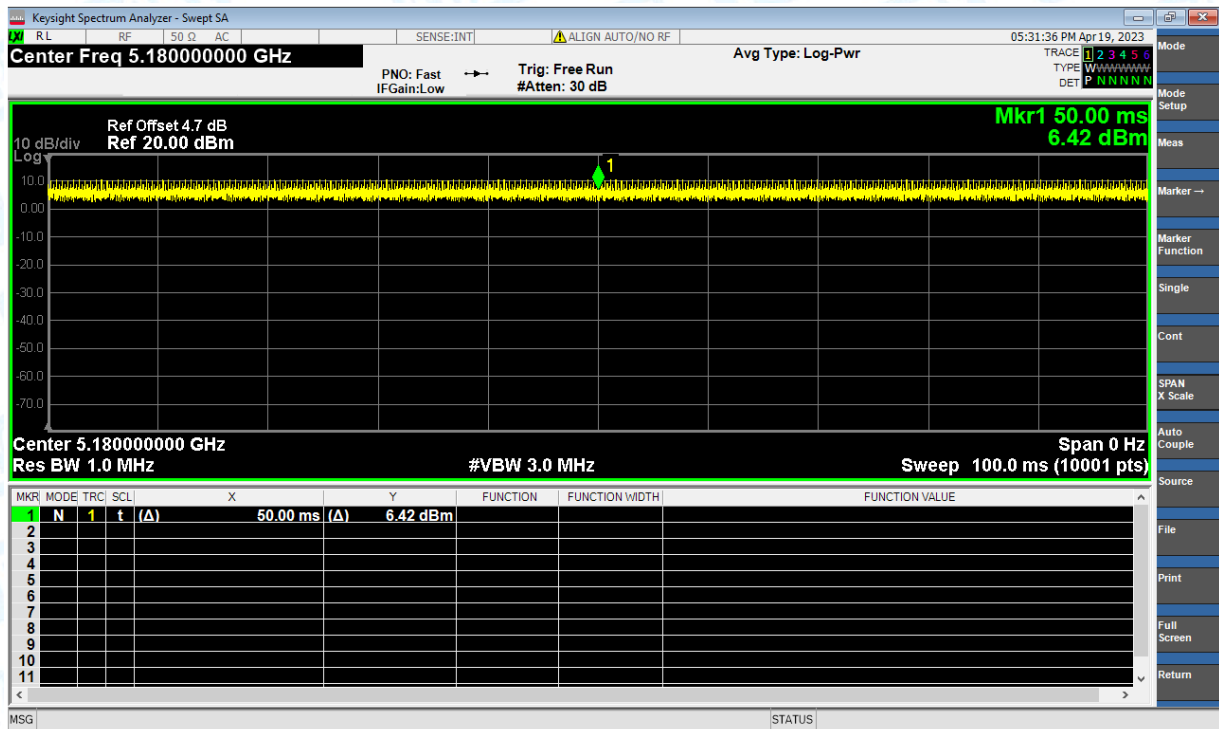
Duty Cycle NVNT a 5200MHz Ant1



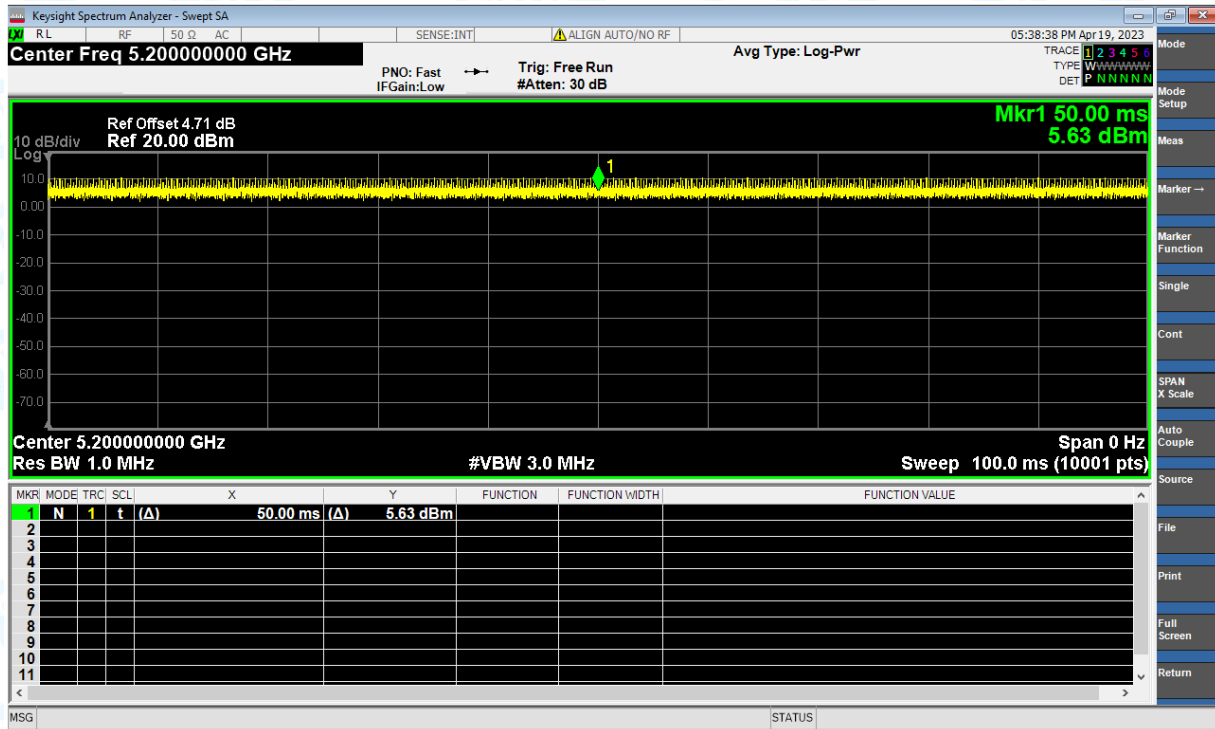
Duty Cycle NVNT a 5240MHz Ant1



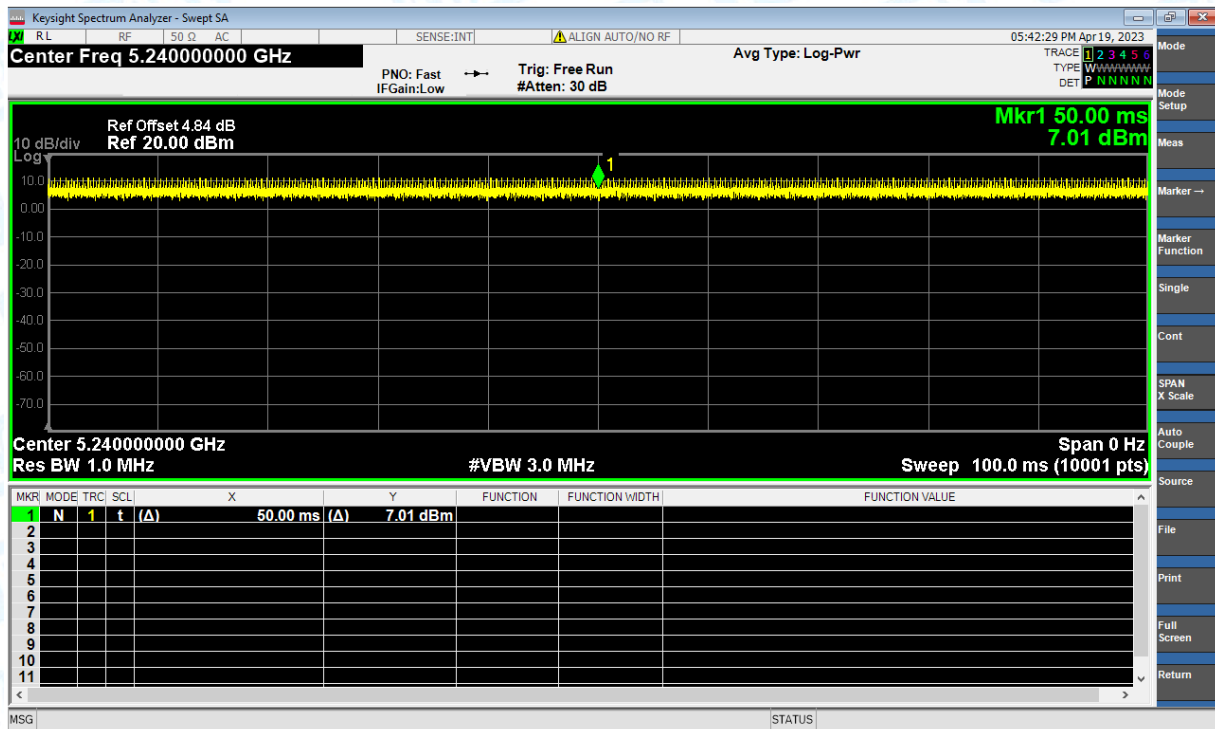
Duty Cycle NVNT ac(VHT20) 5180MHz Ant1



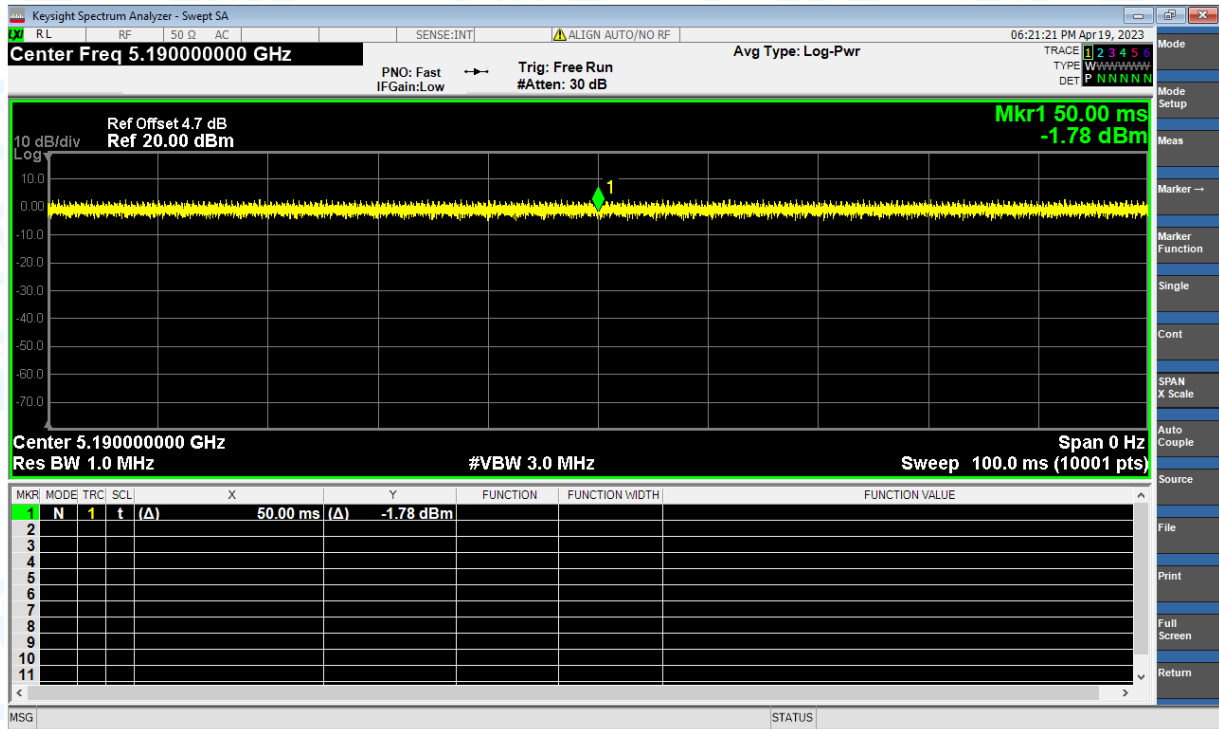
Duty Cycle NVNT ac(VHT20) 5200MHz Ant1



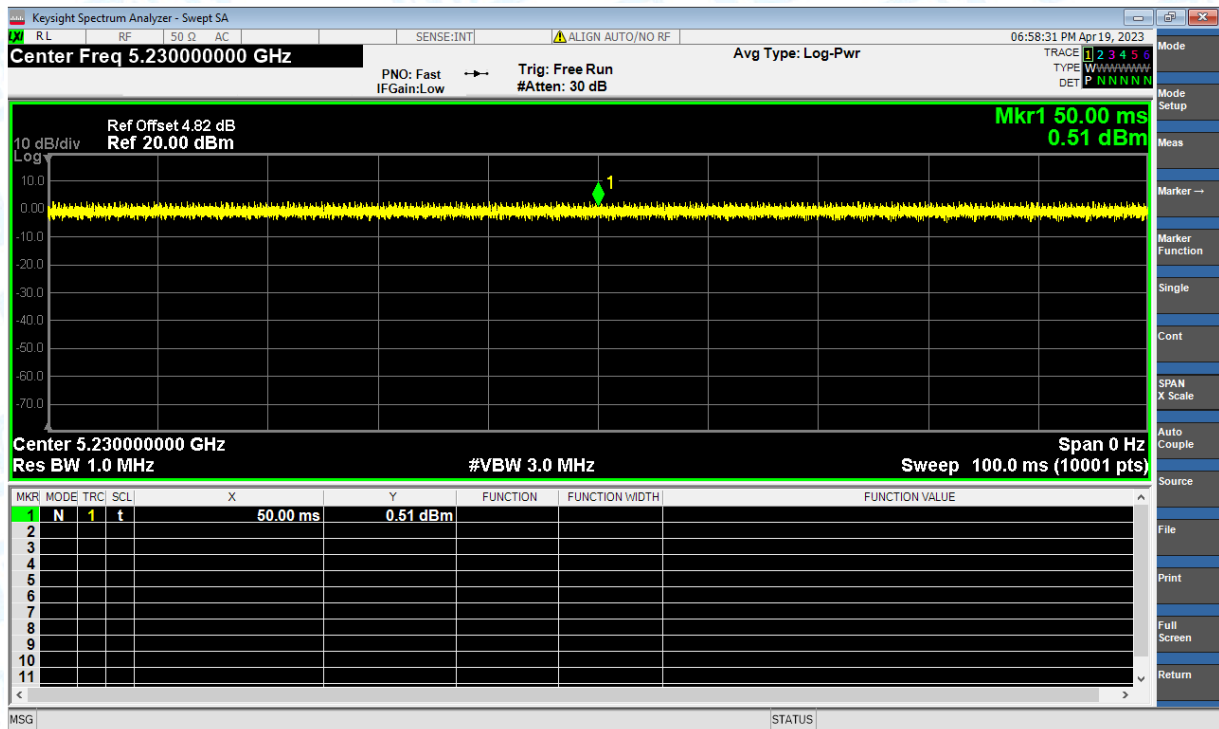
Duty Cycle NVNT ac(VHT20) 5240MHz Ant1



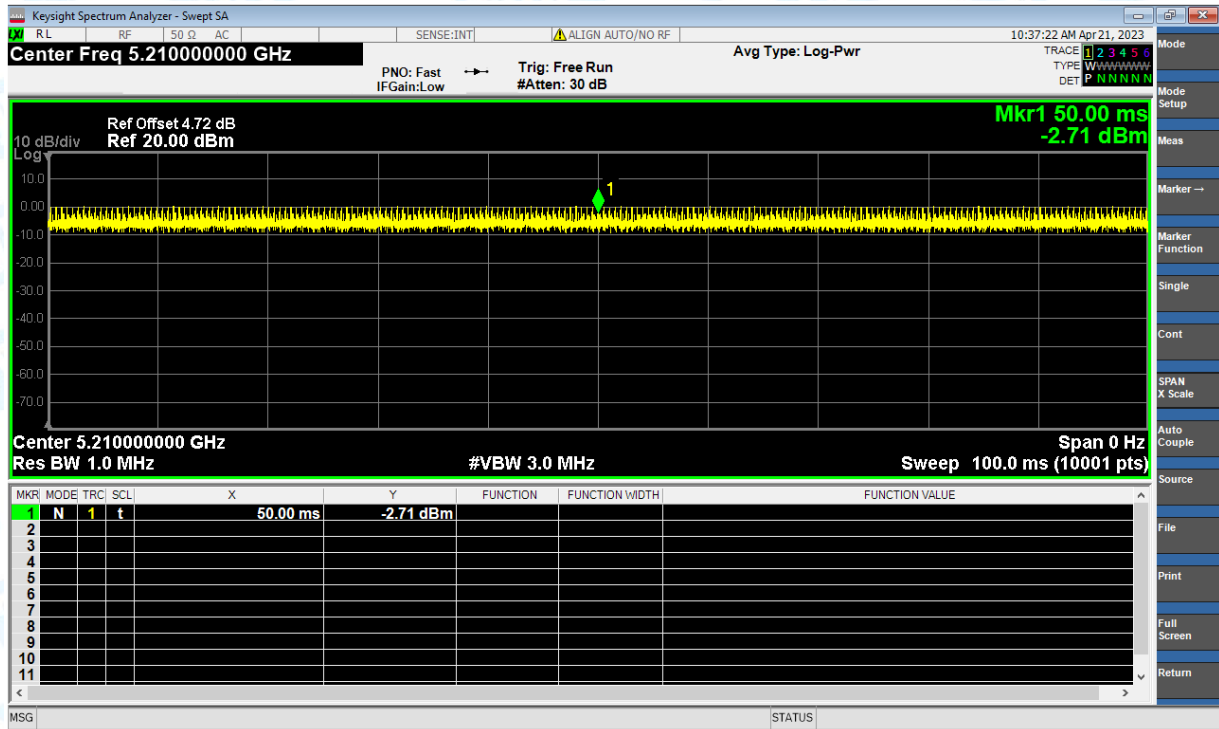
Duty Cycle NVNT ac(VHT40) 5190MHz Ant1



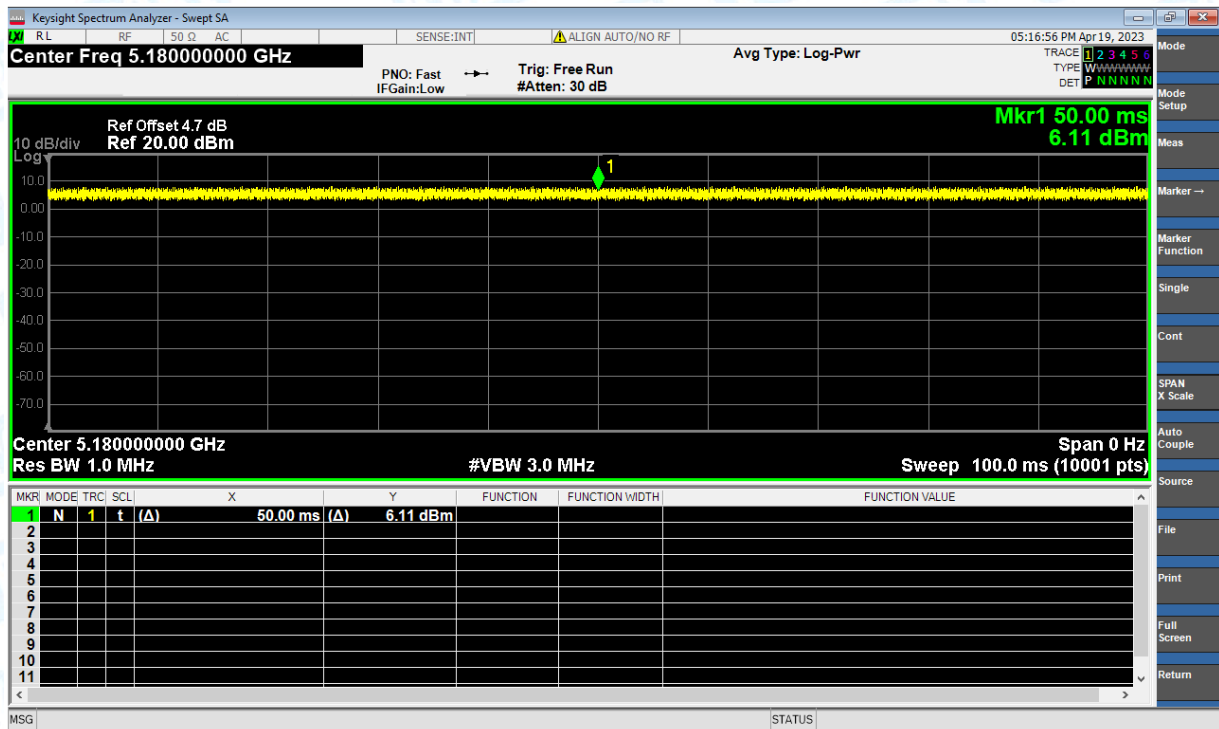
Duty Cycle NVNT ac(VHT40) 5230MHz Ant1



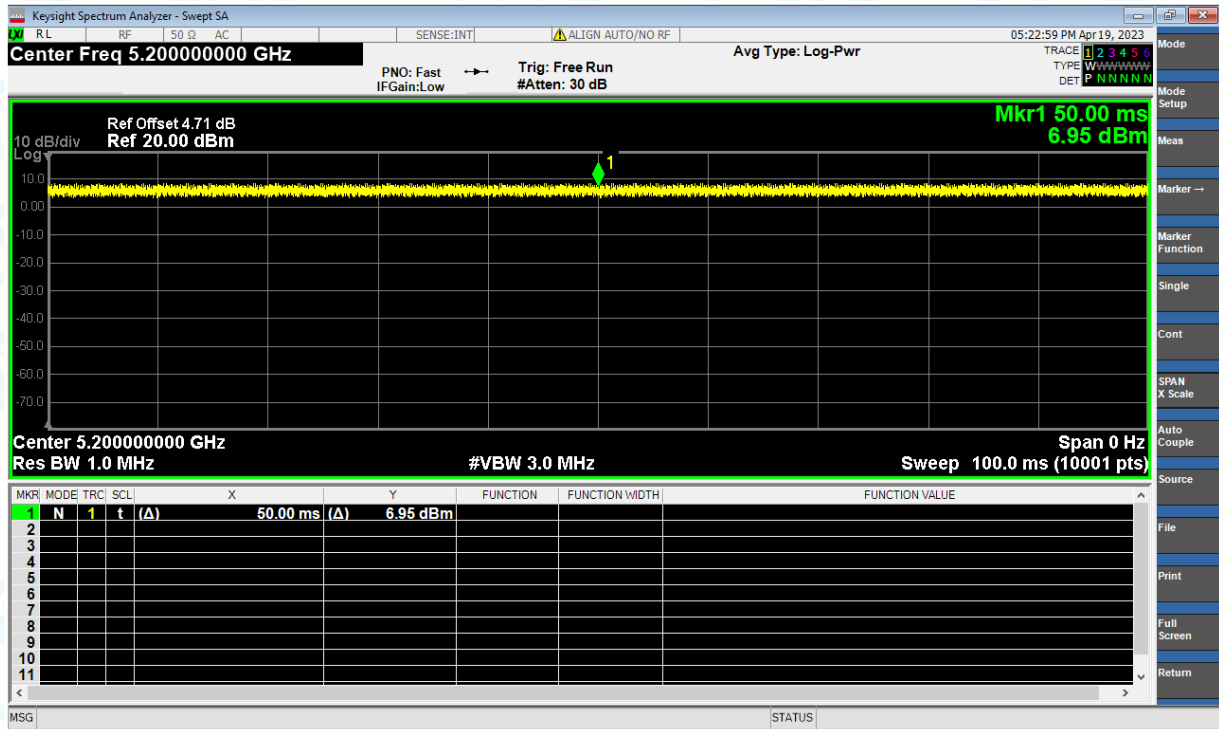
Duty Cycle NVNT ac(VHT80) 5210MHz Ant1



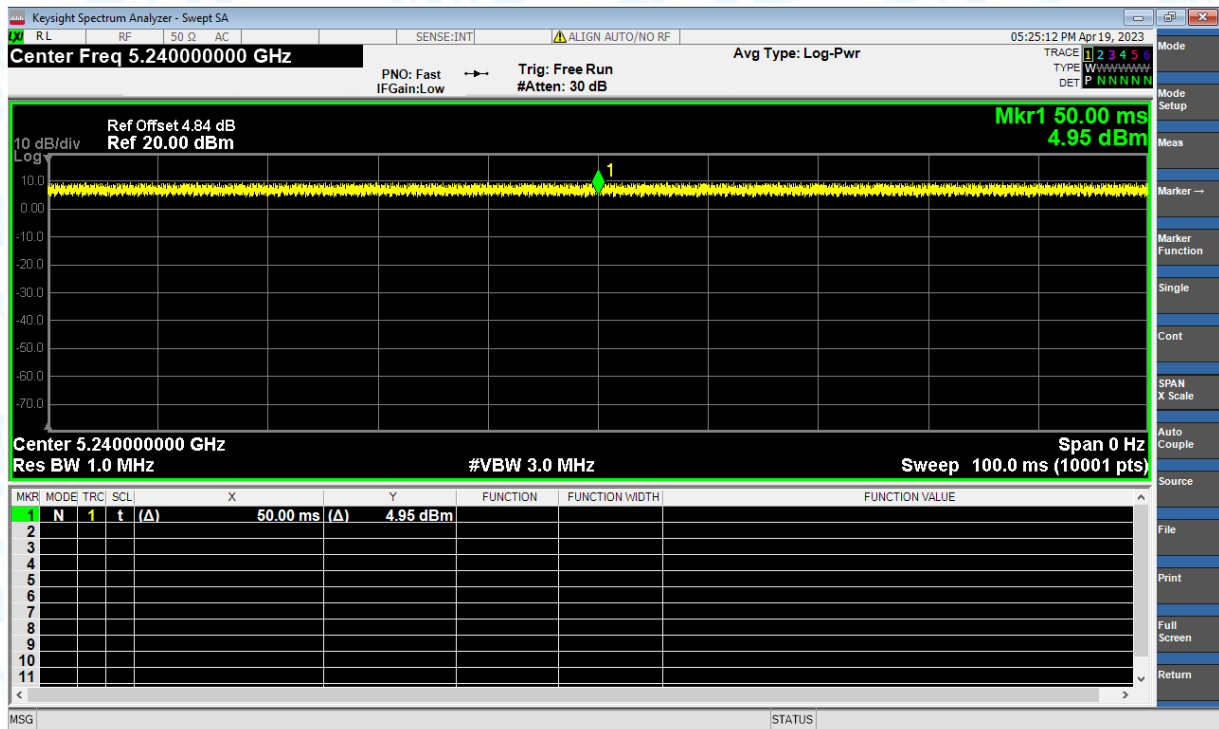
Duty Cycle NVNT n(HT20) 5180MHz Ant1



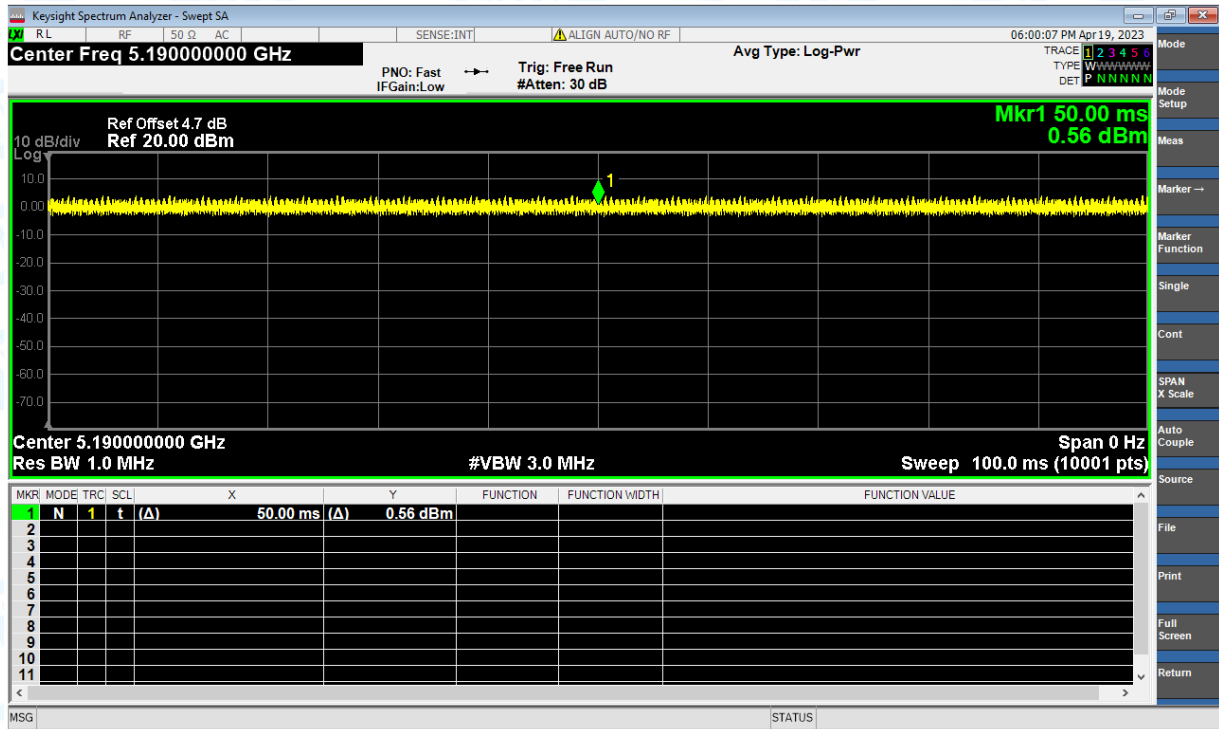
Duty Cycle NVNT n(HT20) 5200MHz Ant1



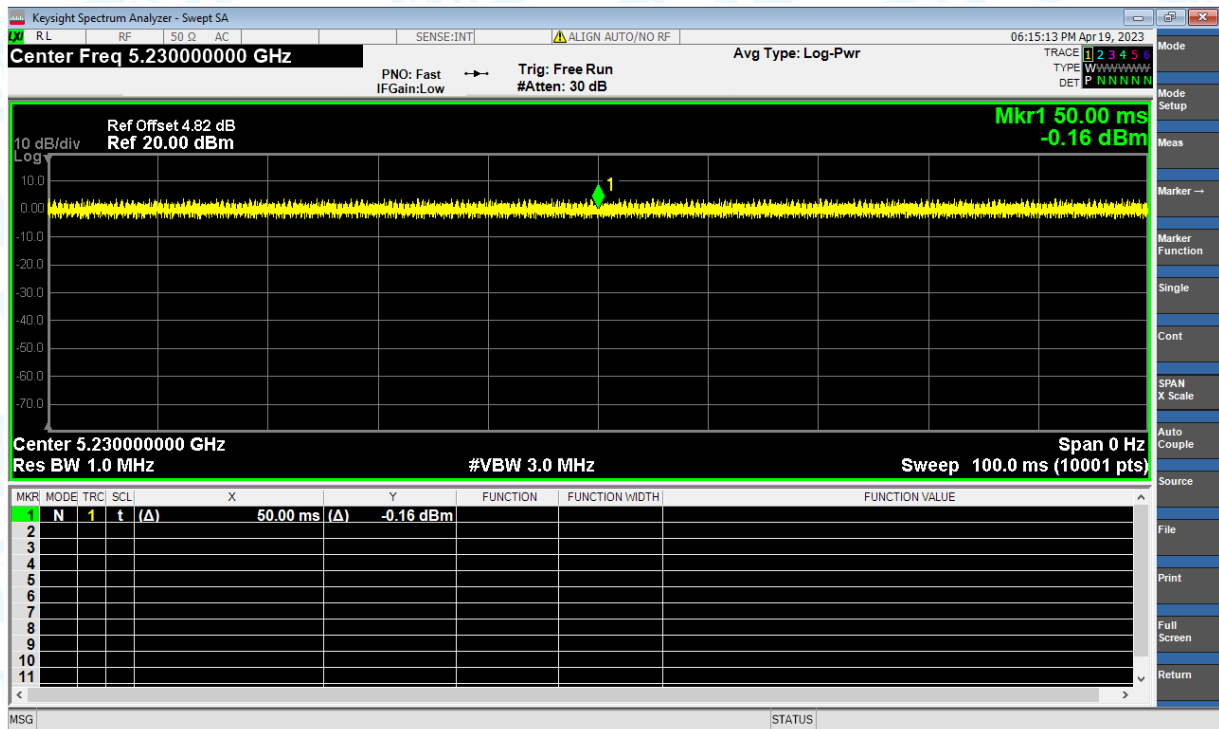
Duty Cycle NVNT n(HT20) 5240MHz Ant1



Duty Cycle NVNT n(HT40) 5190MHz Ant1



Duty Cycle NVNT n(HT40) 5230MHz Ant1



2. Maximum Conducted Output Power

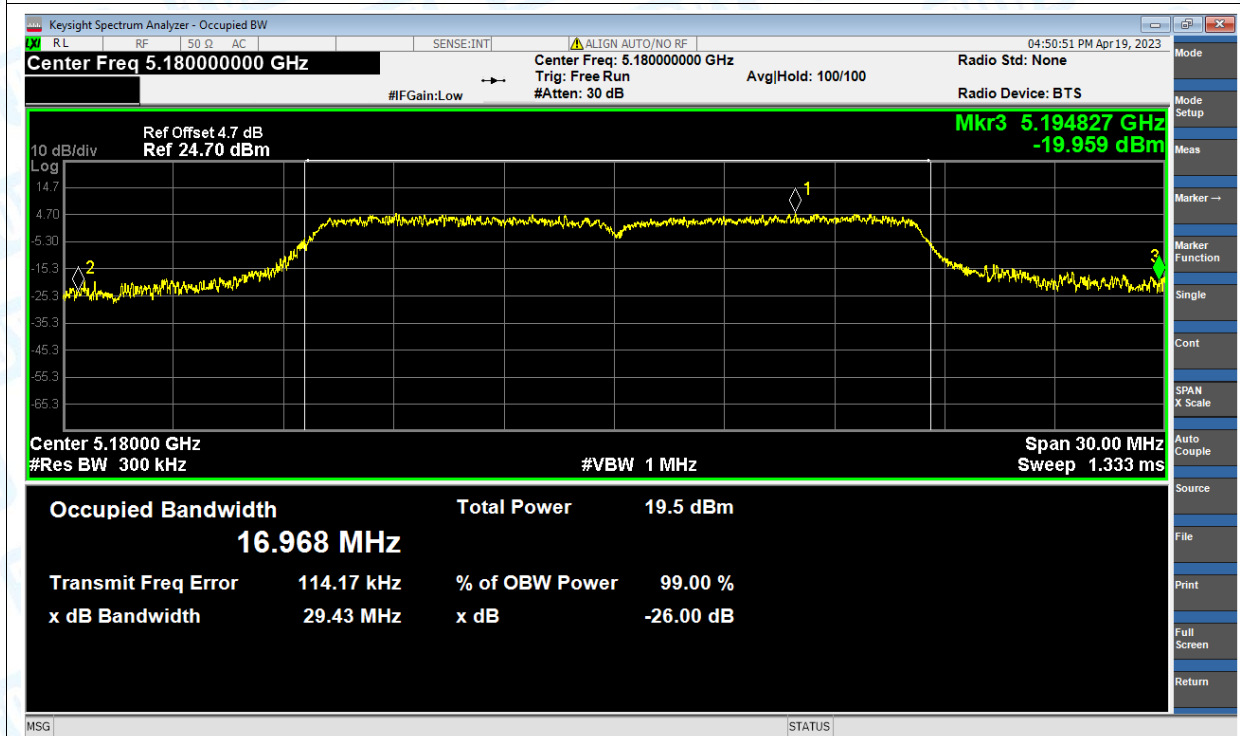
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.955	24	Pass
NVNT	a	5200	Ant1	14.516	24	Pass
NVNT	a	5240	Ant1	15.236	24	Pass
NVNT	ac(VHT20)	5180	Ant1	14.069	24	Pass
NVNT	ac(VHT20)	5200	Ant1	14.124	24	Pass
NVNT	ac(VHT20)	5240	Ant1	15.082	24	Pass
NVNT	ac(VHT40)	5190	Ant1	11.597	24	Pass
NVNT	ac(VHT40)	5230	Ant1	13.263	24	Pass
NVNT	ac(VHT80)	5210	Ant1	11.237	24	Pass
NVNT	n(HT20)	5180	Ant1	13.720	24	Pass
NVNT	n(HT20)	5200	Ant1	14.191	24	Pass
NVNT	n(HT20)	5240	Ant1	15.200	24	Pass
NVNT	n(HT40)	5190	Ant1	12.391	24	Pass
NVNT	n(HT40)	5230	Ant1	13.999	24	Pass

3. -26dB Bandwidth

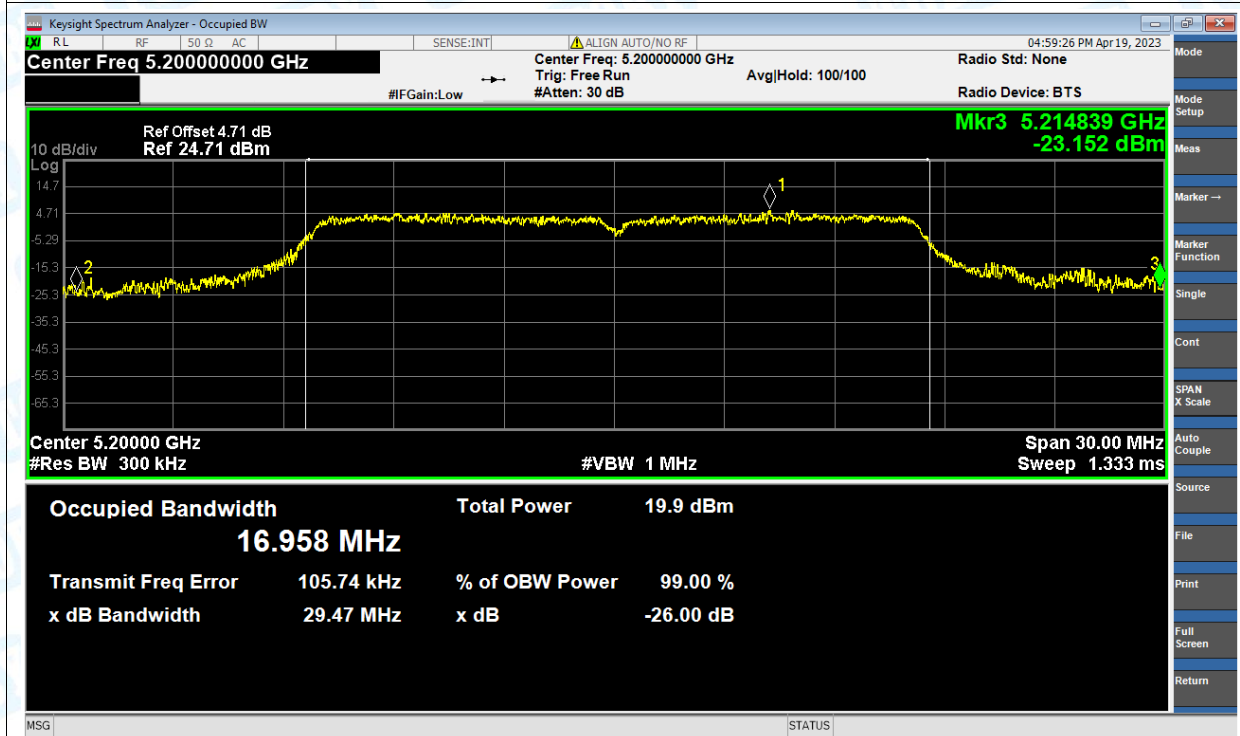
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	29.43	----	Pass
NVNT	a	5200	Ant1	29.47	----	Pass
NVNT	a	5240	Ant1	27.29	----	Pass
NVNT	ac(VHT20)	5180	Ant1	29.64	----	Pass
NVNT	ac(VHT20)	5200	Ant1	27.53	----	Pass
NVNT	ac(VHT20)	5240	Ant1	27.33	----	Pass
NVNT	ac(VHT40)	5190	Ant1	40.56	----	Pass
NVNT	ac(VHT40)	5230	Ant1	40.52	----	Pass
NVNT	ac(VHT80)	5210	Ant1	79.81	----	Pass
NVNT	n(HT20)	5180	Ant1	29.45	----	Pass
NVNT	n(HT20)	5200	Ant1	29.45	----	Pass
NVNT	n(HT20)	5240	Ant1	28.69	----	Pass
NVNT	n(HT40)	5190	Ant1	58.78	----	Pass
NVNT	n(HT40)	5230	Ant1	45.87	----	Pass

Test Graphs

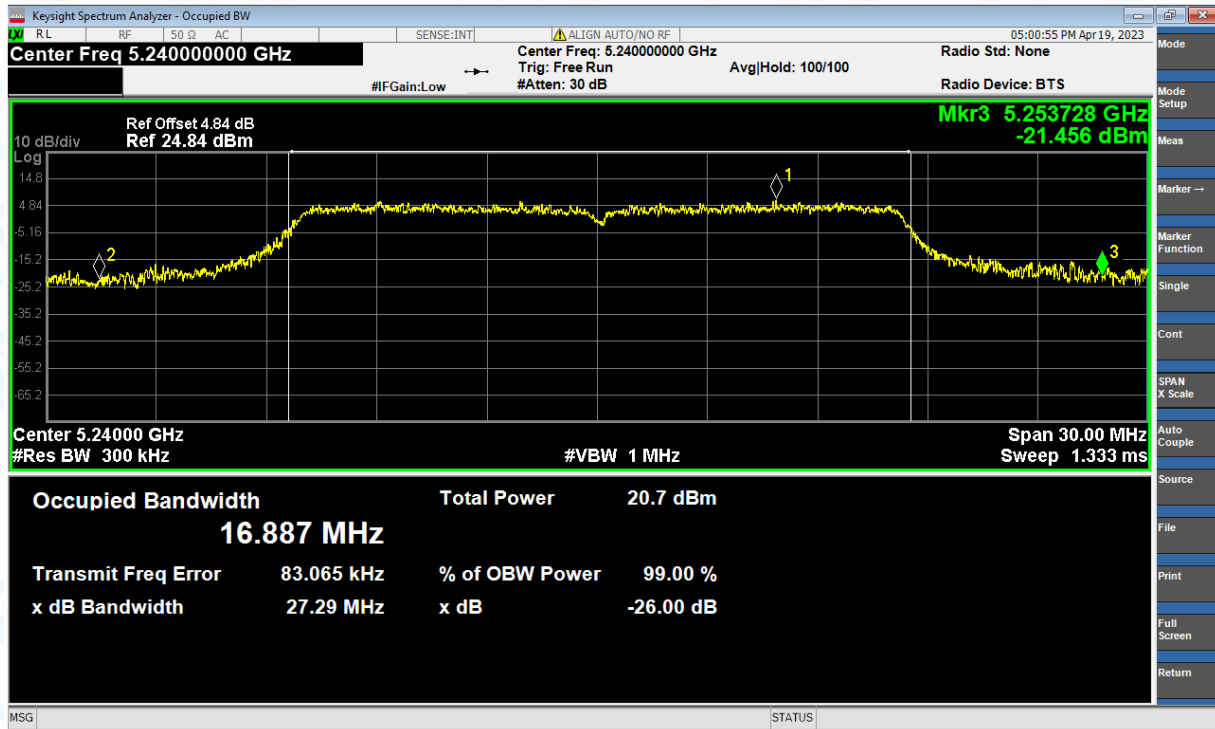
-26dB Bandwidth NVNT a 5180MHz Ant1



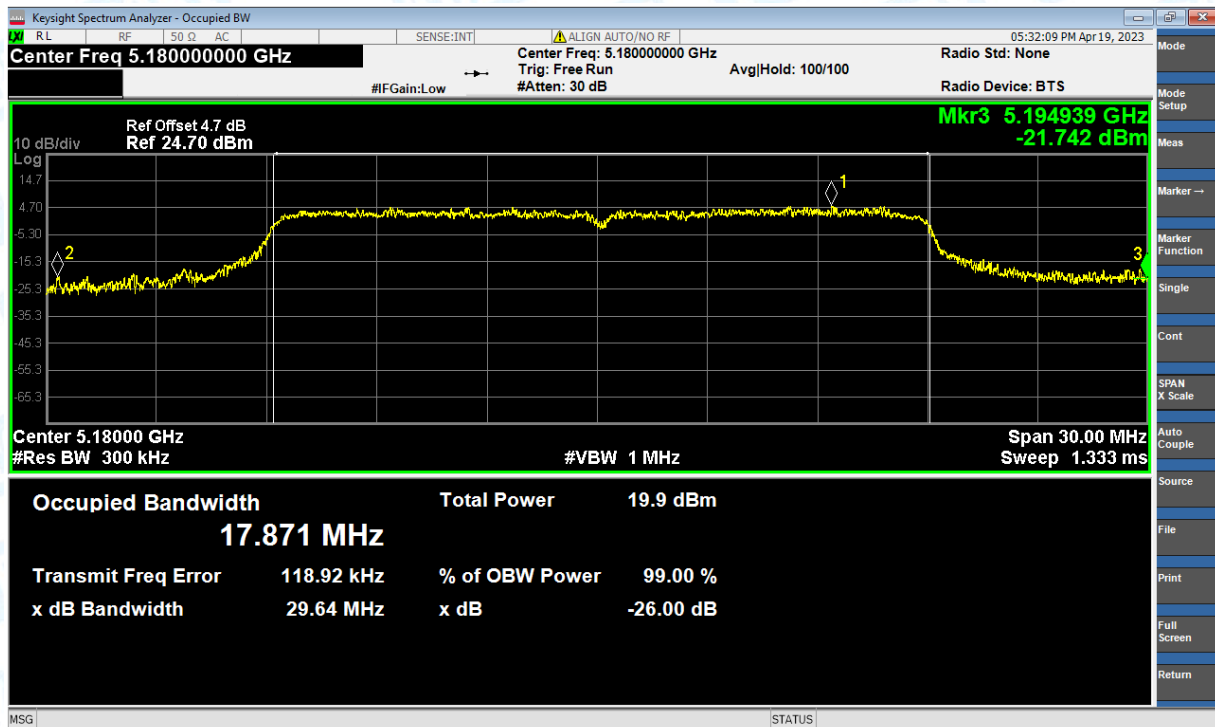
-26dB Bandwidth NVNT a 5200MHz Ant1



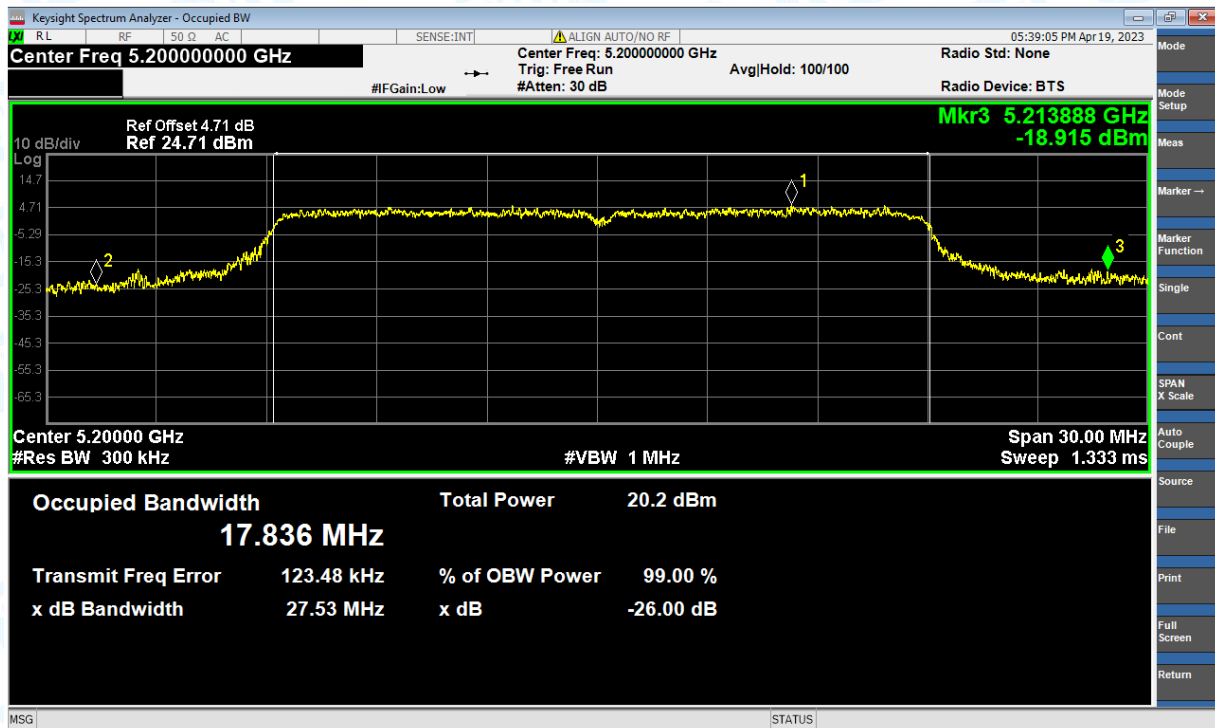
-26dB Bandwidth NVNT a 5240MHz Ant1



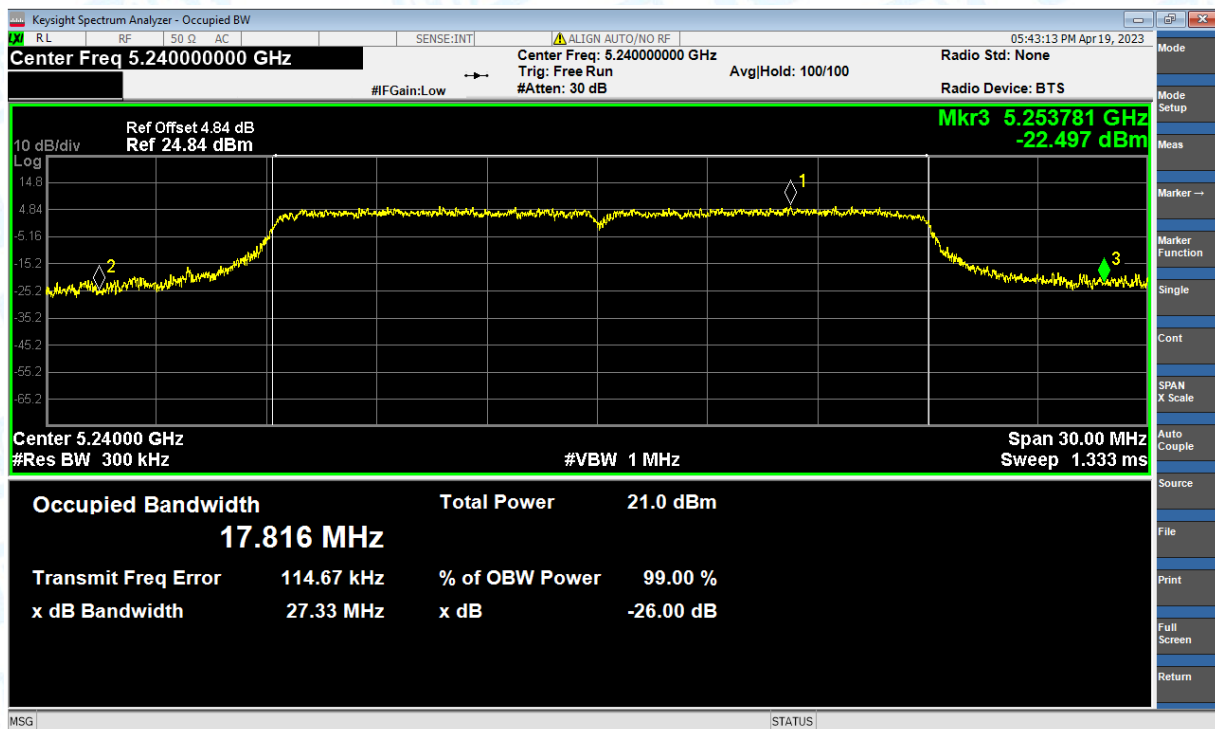
-26dB Bandwidth NVNT ac(VHT20) 5180MHz Ant1



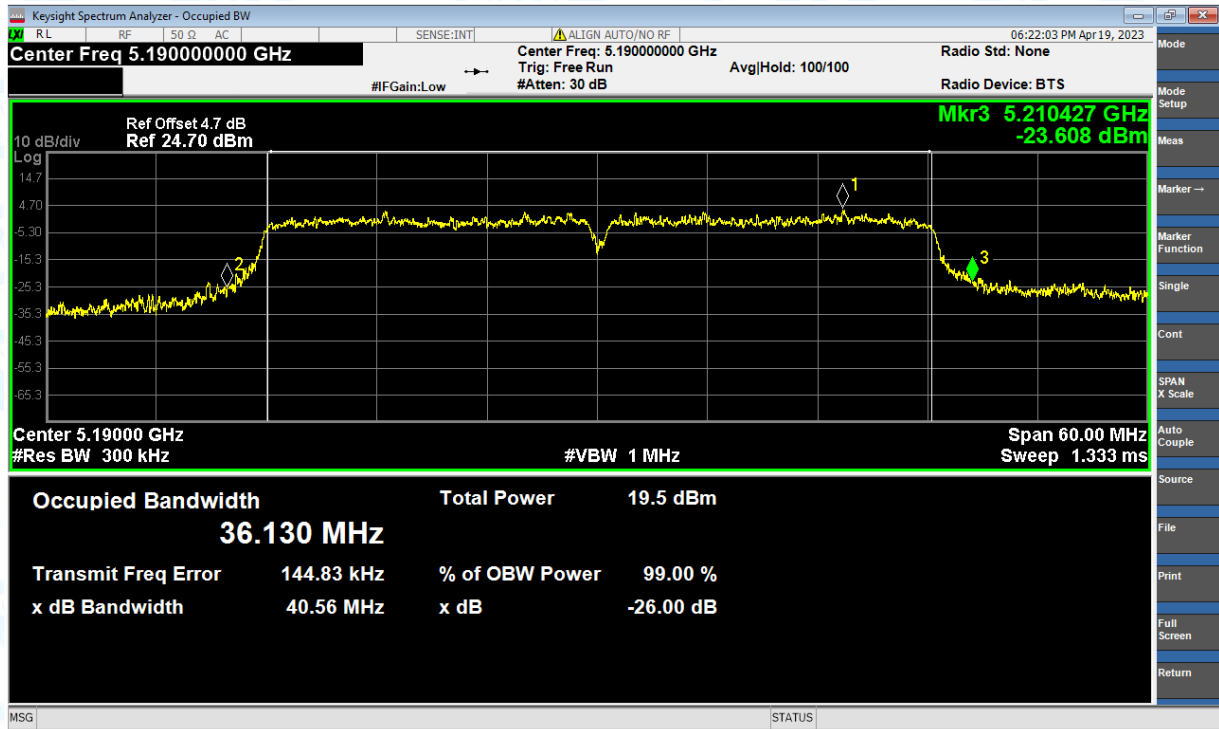
-26dB Bandwidth NVNT ac(VHT20) 5200MHz Ant1



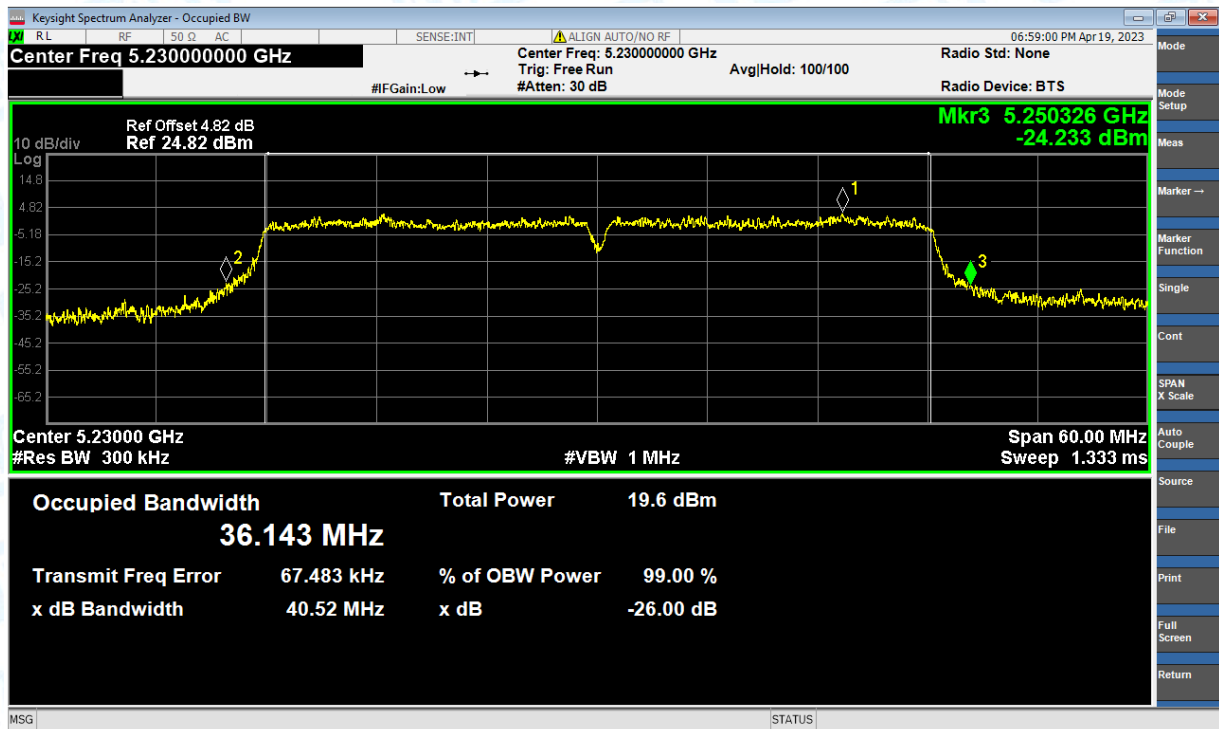
-26dB Bandwidth NVNT ac(VHT20) 5240MHz Ant1



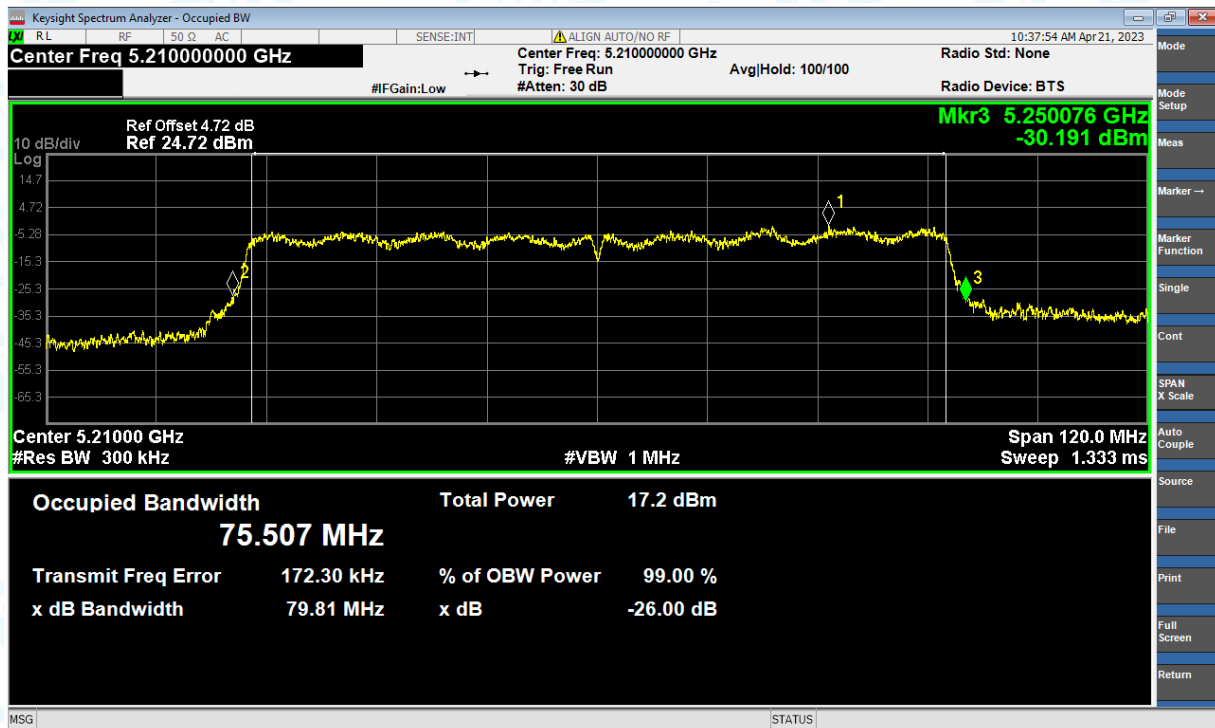
-26dB Bandwidth NVNT ac(VHT40) 5190MHz Ant1



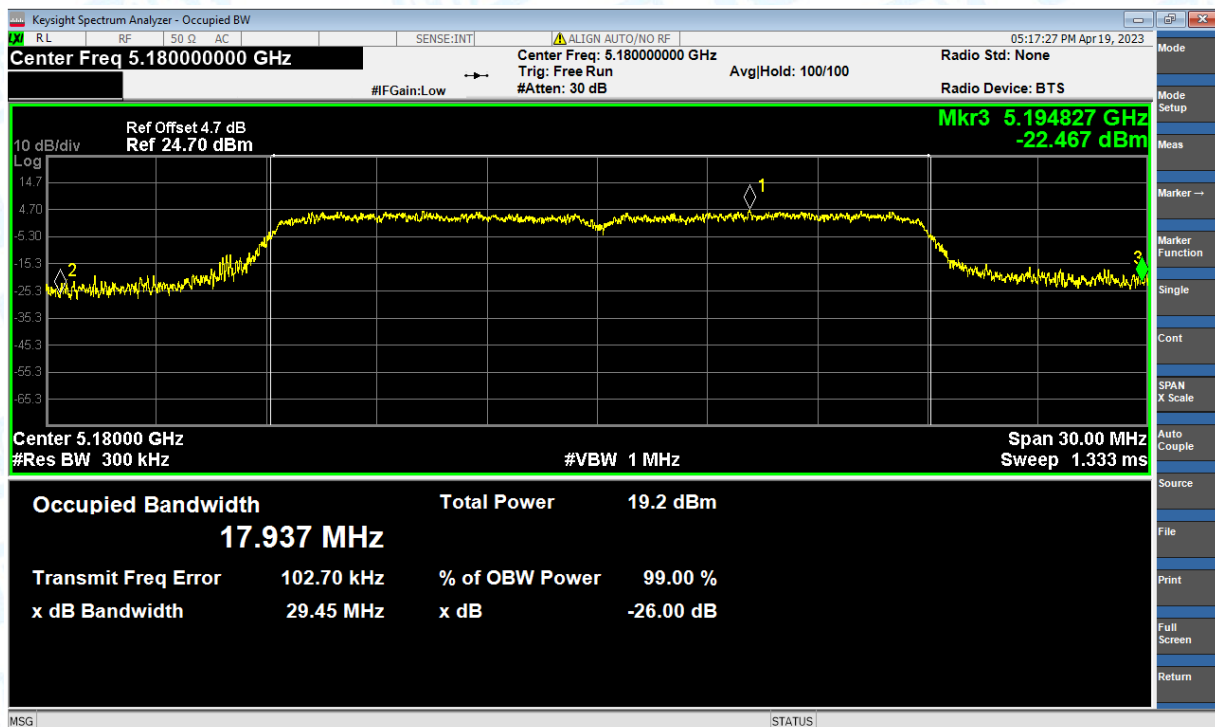
-26dB Bandwidth NVNT ac(VHT40) 5230MHz Ant1



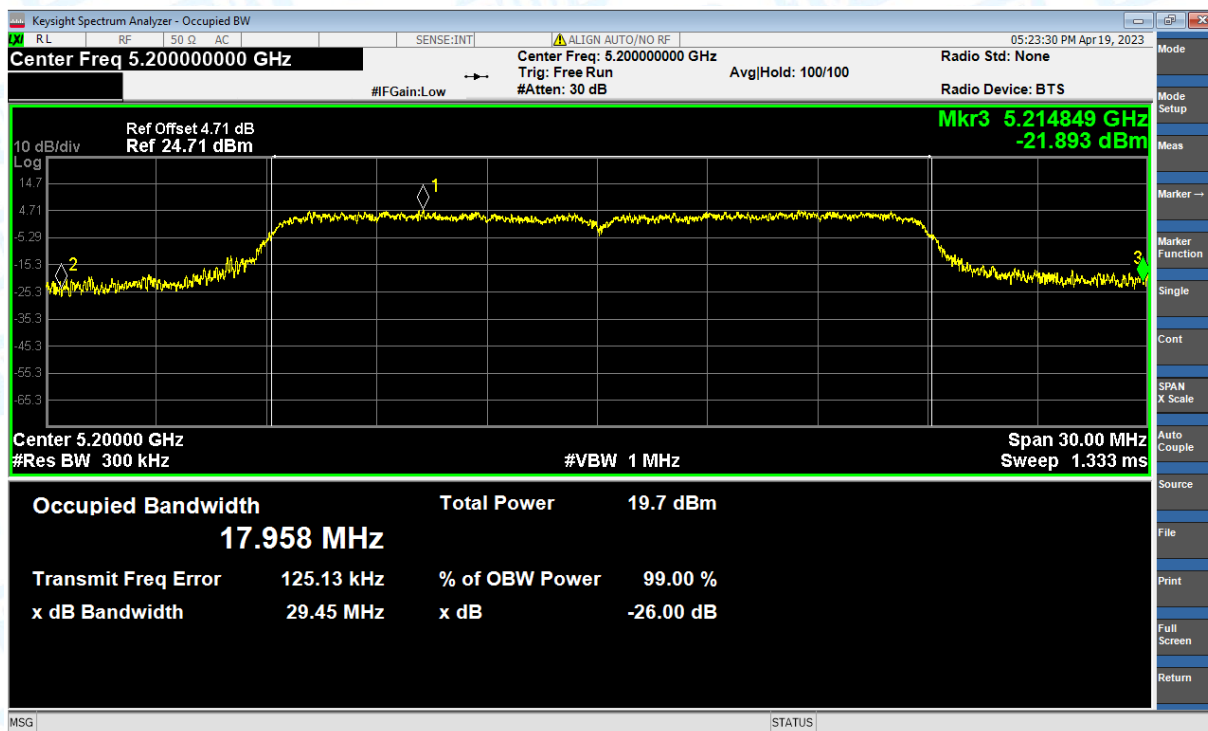
-26dB Bandwidth NVNT ac(VHT80) 5210MHz Ant1



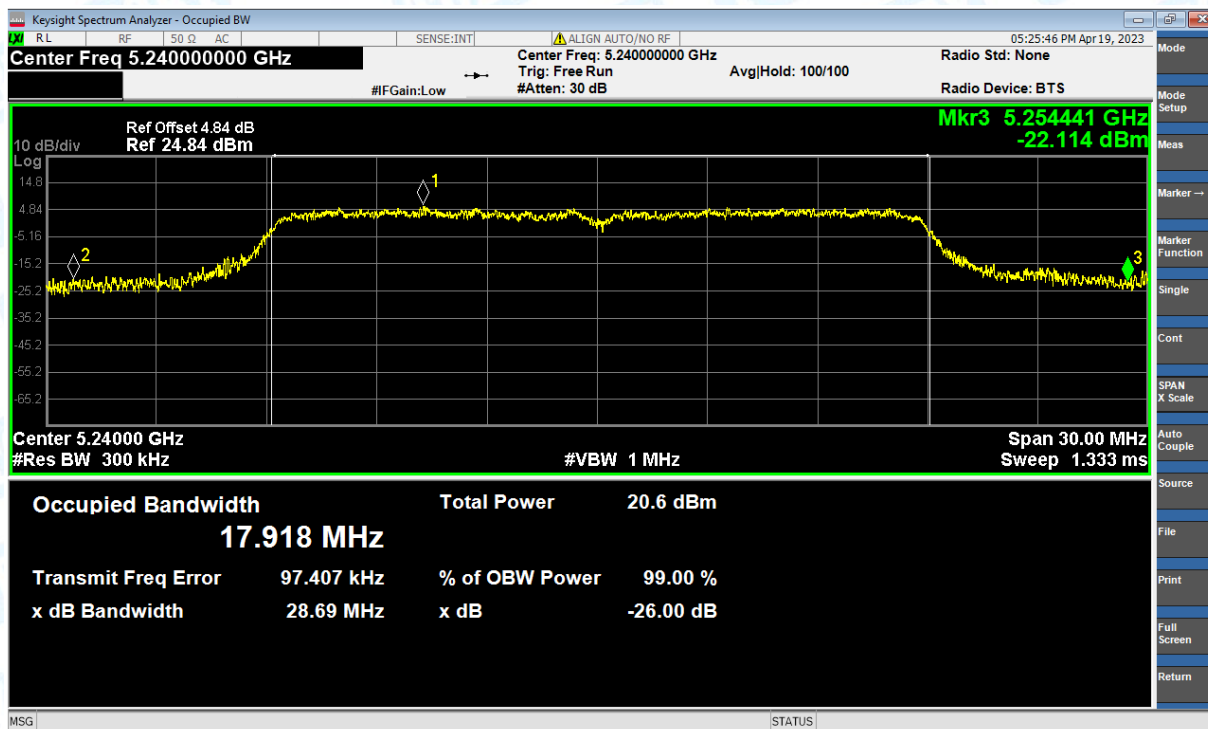
-26dB Bandwidth NVNT n(HT20) 5180MHz Ant1



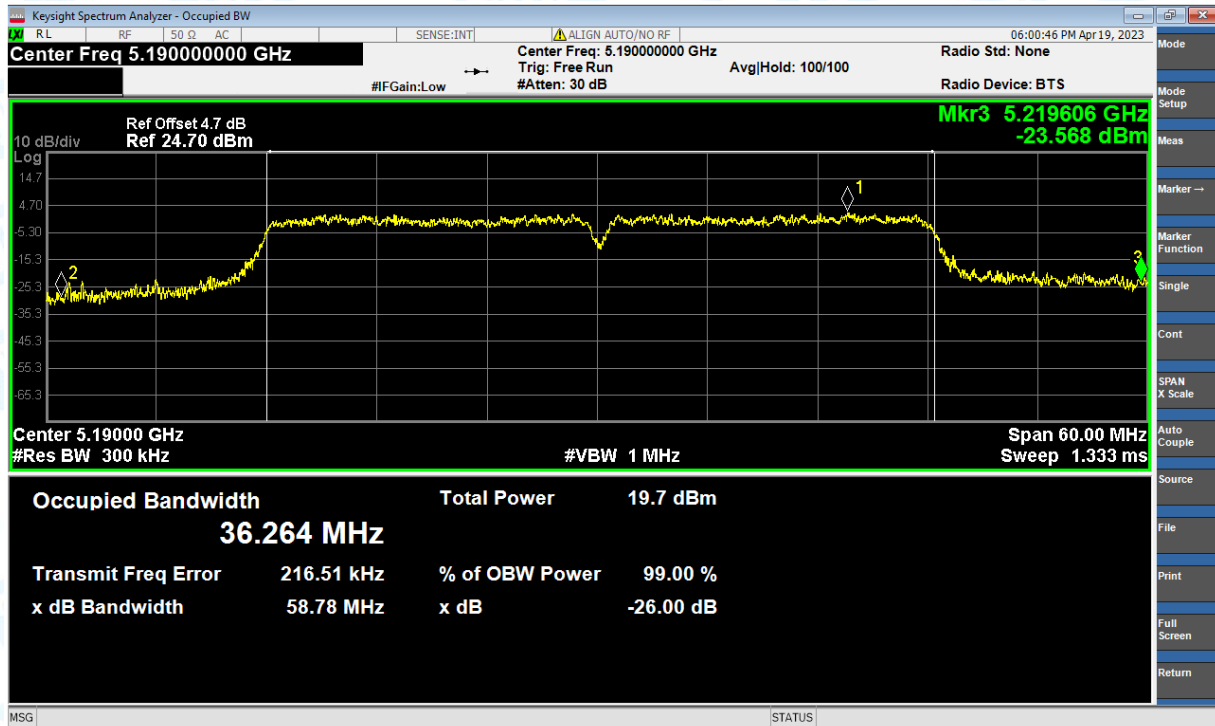
-26dB Bandwidth NVNT n(HT20) 5200MHz Ant1



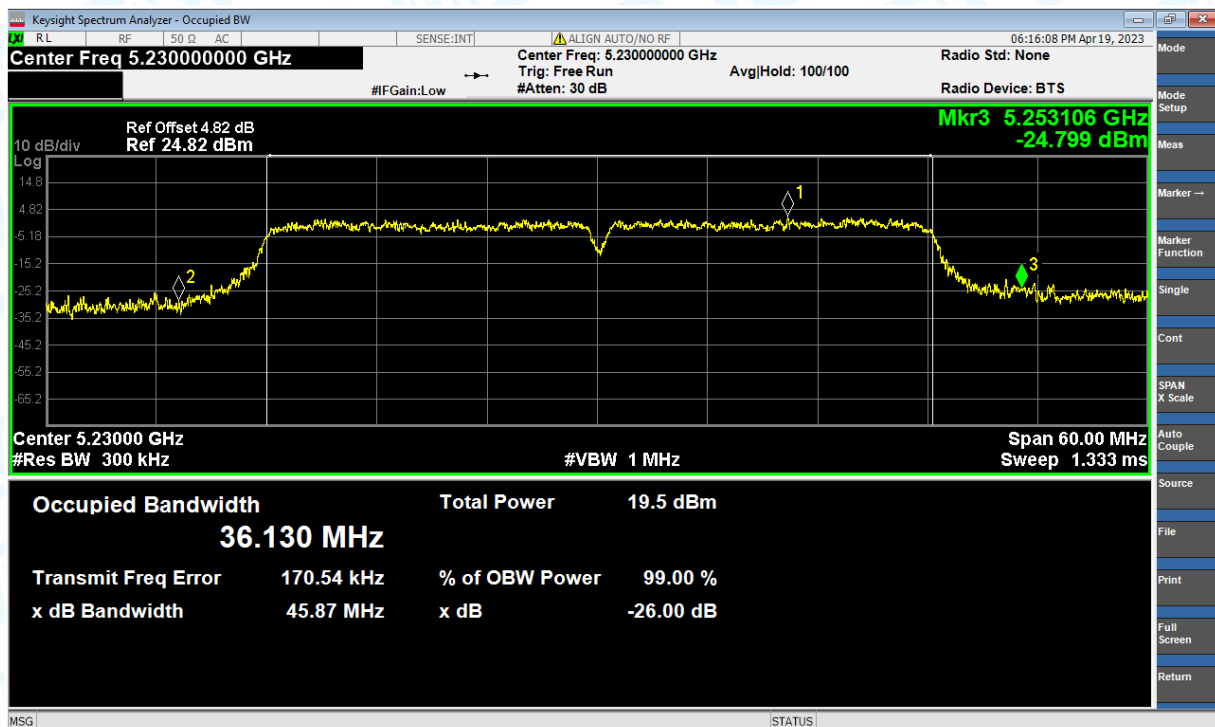
-26dB Bandwidth NVNT n(HT20) 5240MHz Ant1



-26dB Bandwidth NVNT n(HT40) 5190MHz Ant1



-26dB Bandwidth NVNT n(HT40) 5230MHz Ant1

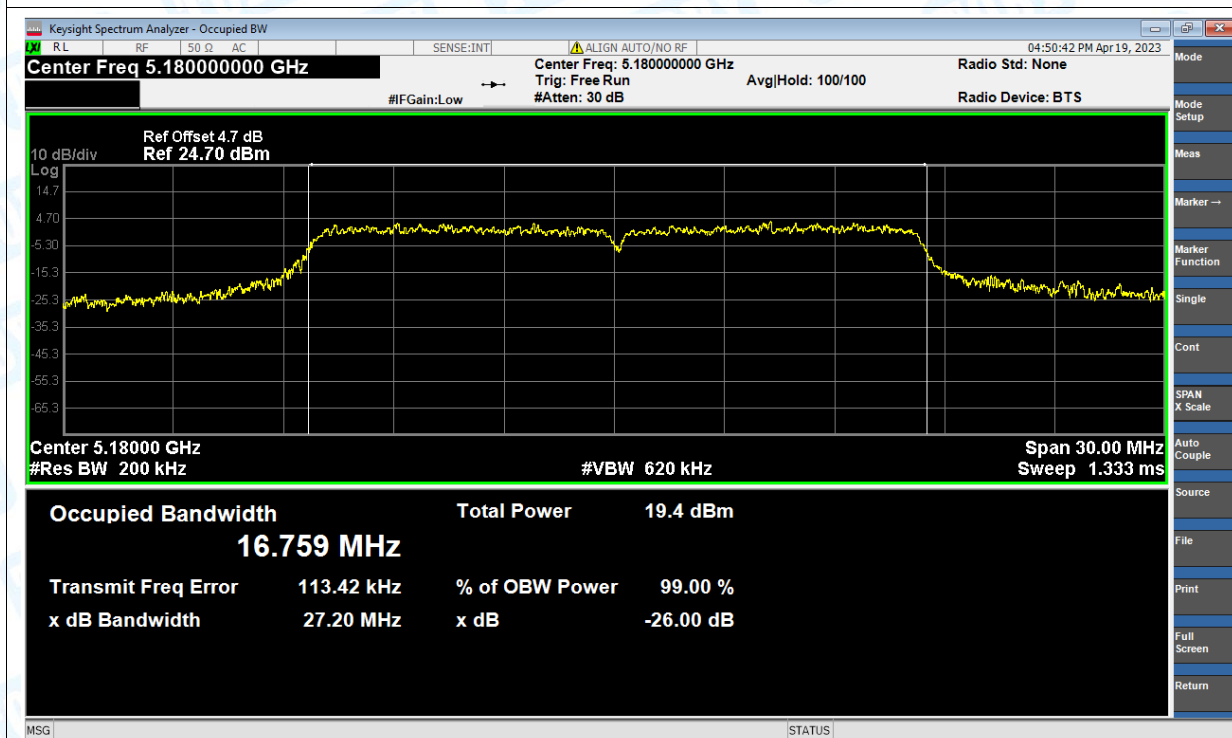


4. Occupied Channel Bandwidth

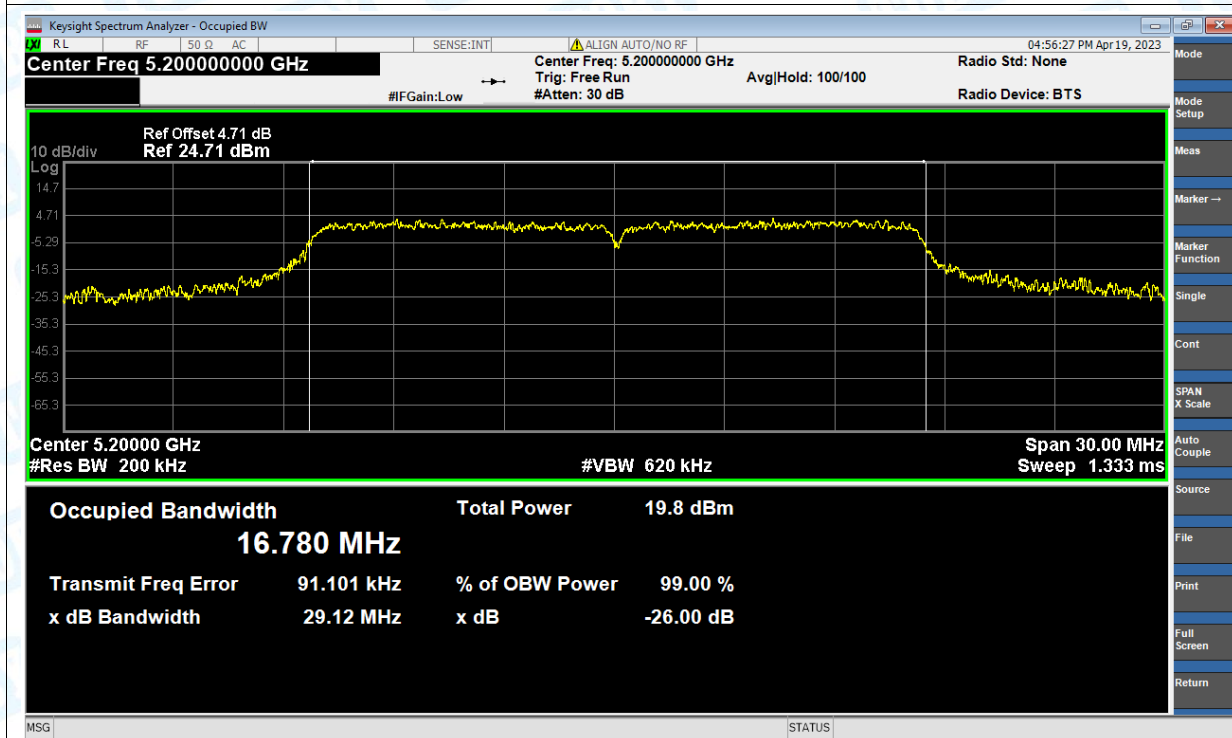
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.759
NVNT	a	5200	Ant1	16.78
NVNT	a	5240	Ant1	16.693
NVNT	ac(VHT20)	5180	Ant1	17.743
NVNT	ac(VHT20)	5200	Ant1	17.717
NVNT	ac(VHT20)	5240	Ant1	17.717
NVNT	ac(VHT40)	5190	Ant1	36.179
NVNT	ac(VHT40)	5230	Ant1	36.139
NVNT	ac(VHT80)	5210	Ant1	75.593
NVNT	n(HT20)	5180	Ant1	17.825
NVNT	n(HT20)	5200	Ant1	17.84
NVNT	n(HT20)	5240	Ant1	17.807
NVNT	n(HT40)	5190	Ant1	36.418
NVNT	n(HT40)	5230	Ant1	36.244

Test Graphs

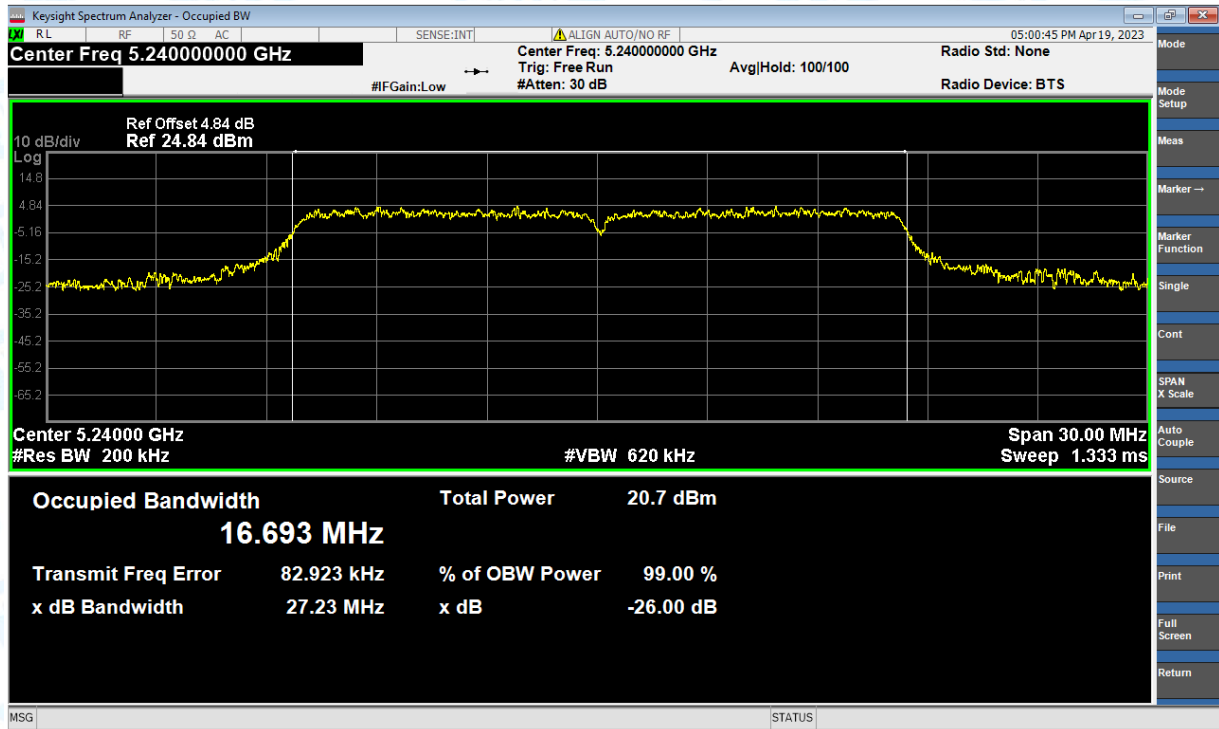
OBW NVNT a 5180MHz Ant1



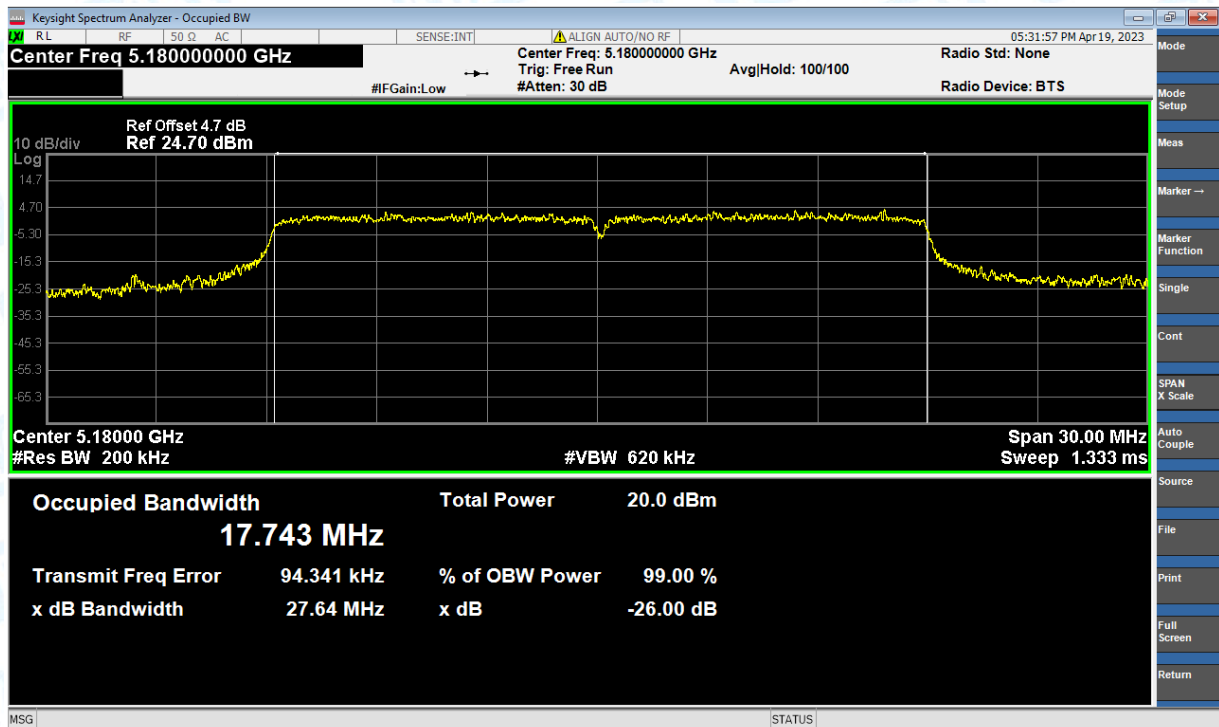
OBW NVNT a 5200MHz Ant1



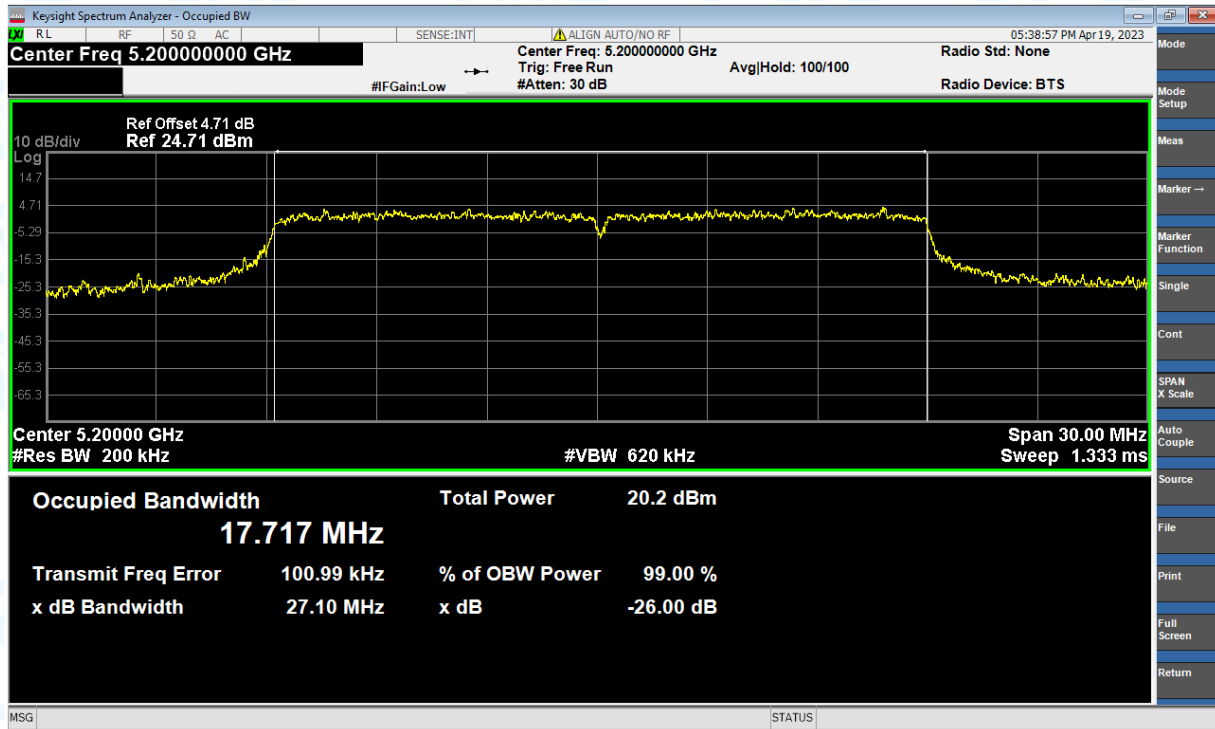
OBW NVNT a 5240MHz Ant1



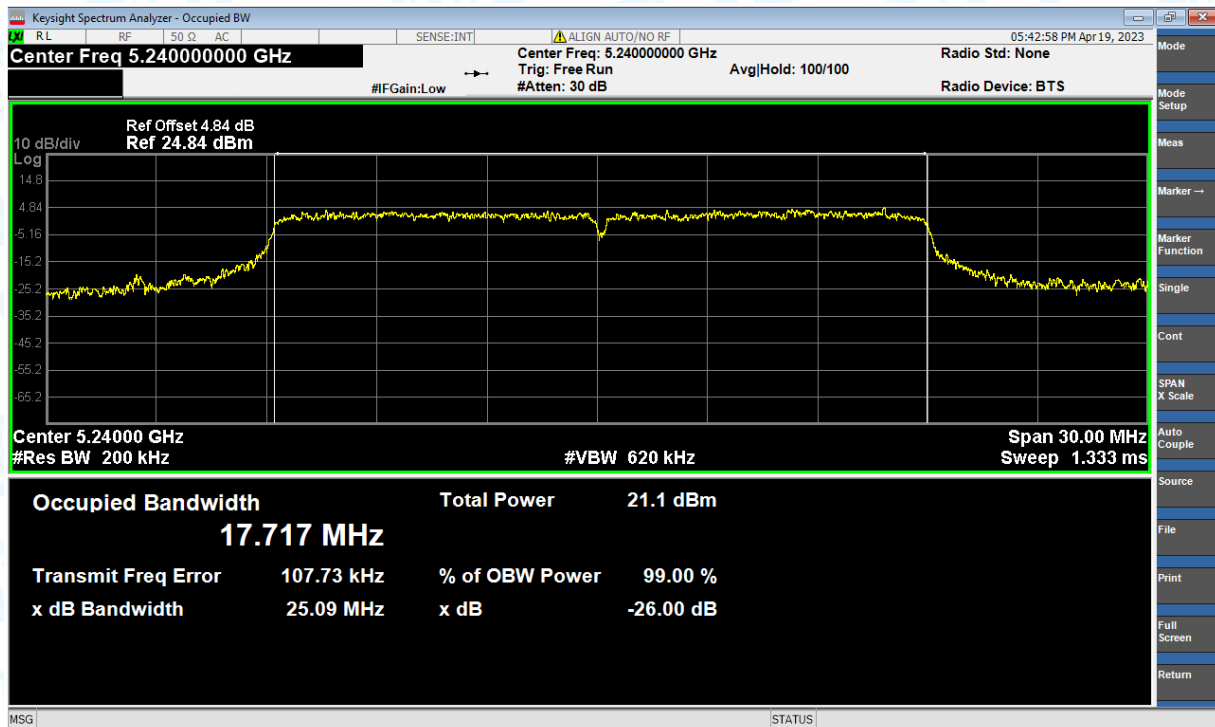
OBW NVNT ac(VHT20) 5180MHz Ant1



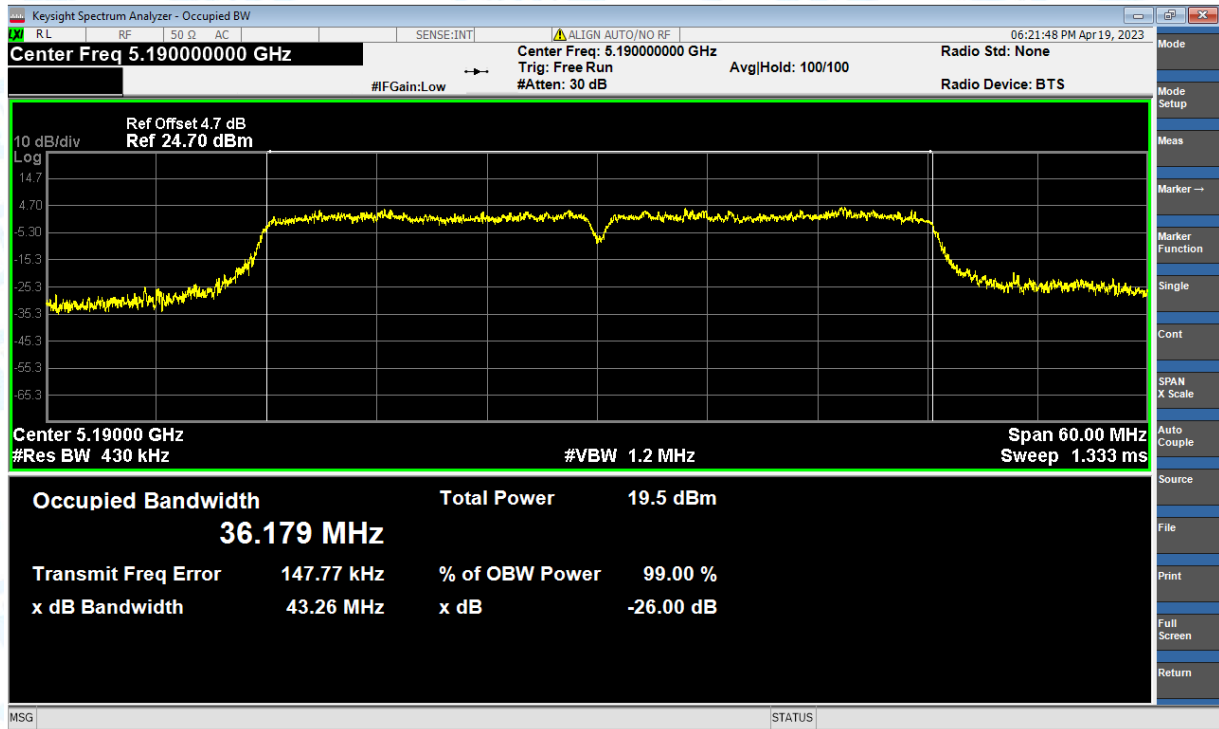
OBW NVNT ac(VHT20) 5200MHz Ant1



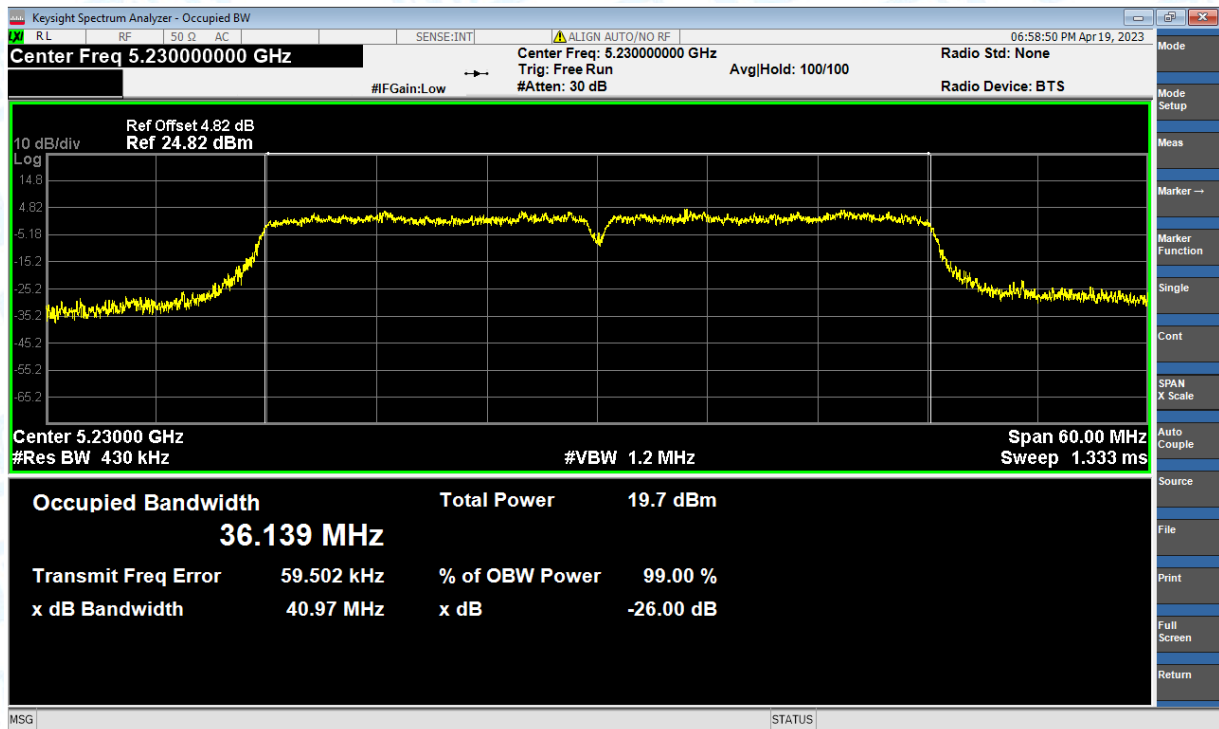
OBW NVNT ac(VHT20) 5240MHz Ant1



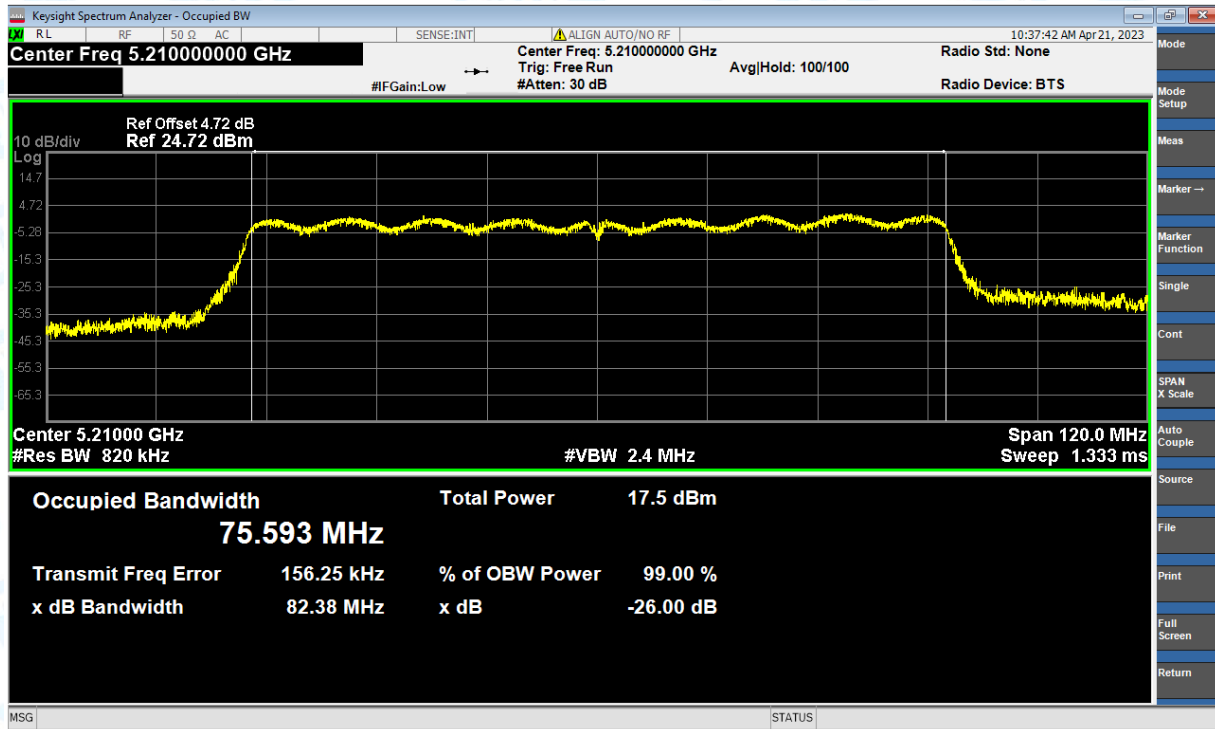
OBW NVNT ac(VHT40) 5190MHz Ant1



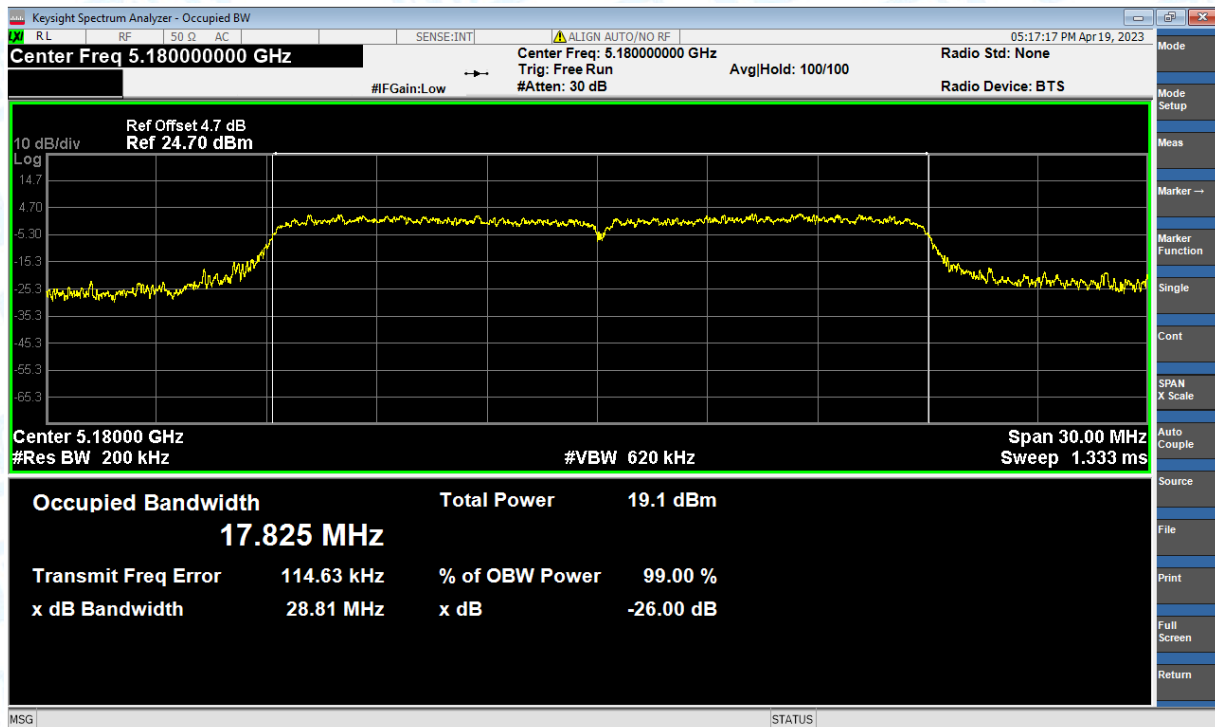
OBW NVNT ac(VHT40) 5230MHz Ant1



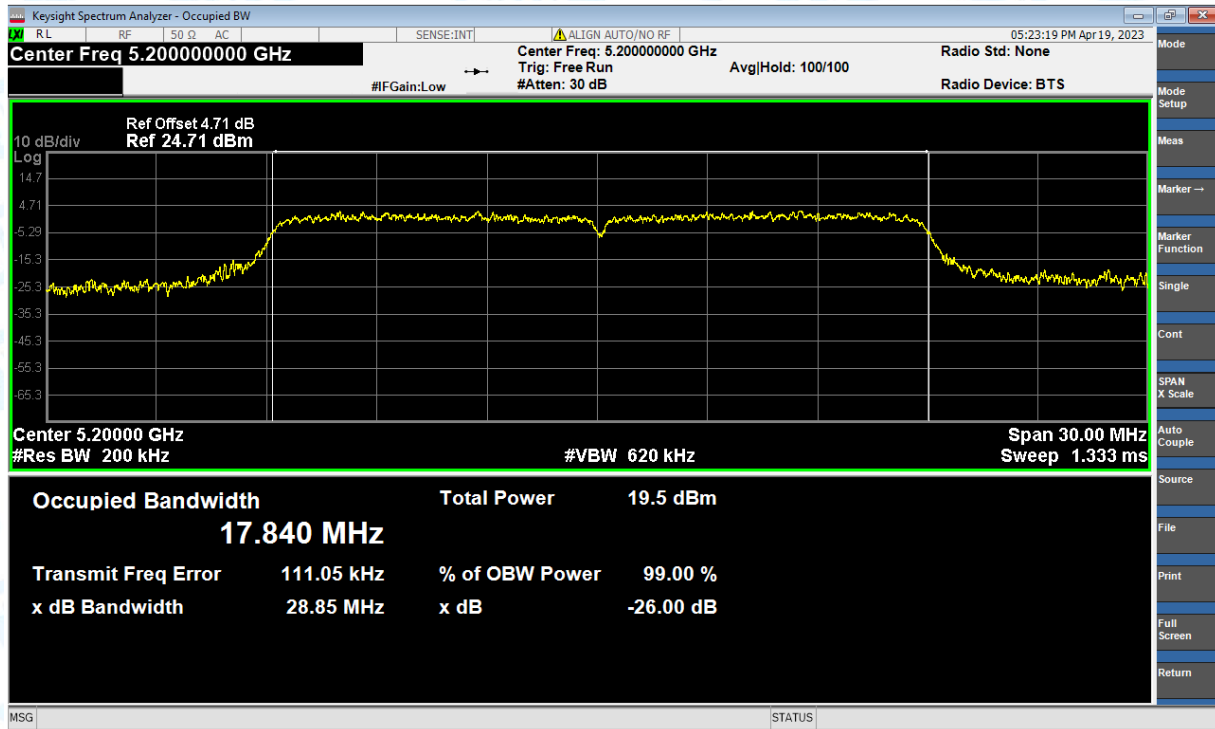
OBW NVNT ac(VHT80) 5210MHz Ant1



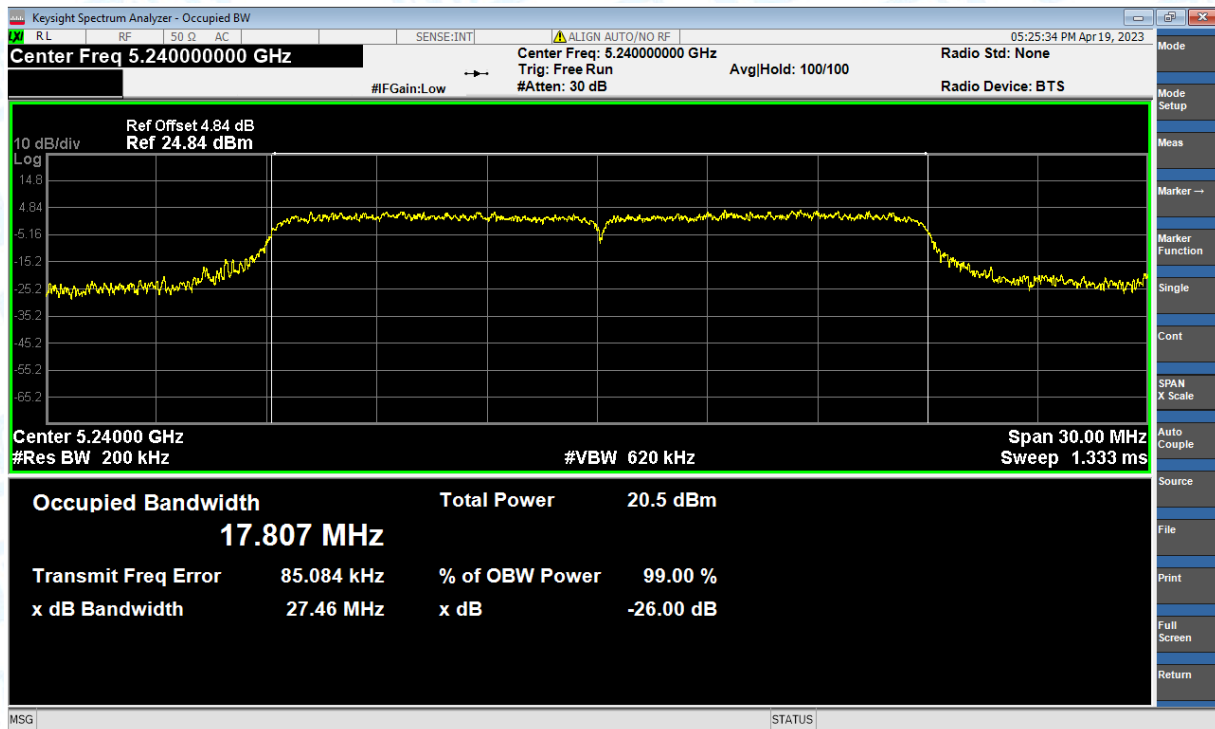
OBW NVNT n(HT20) 5180MHz Ant1



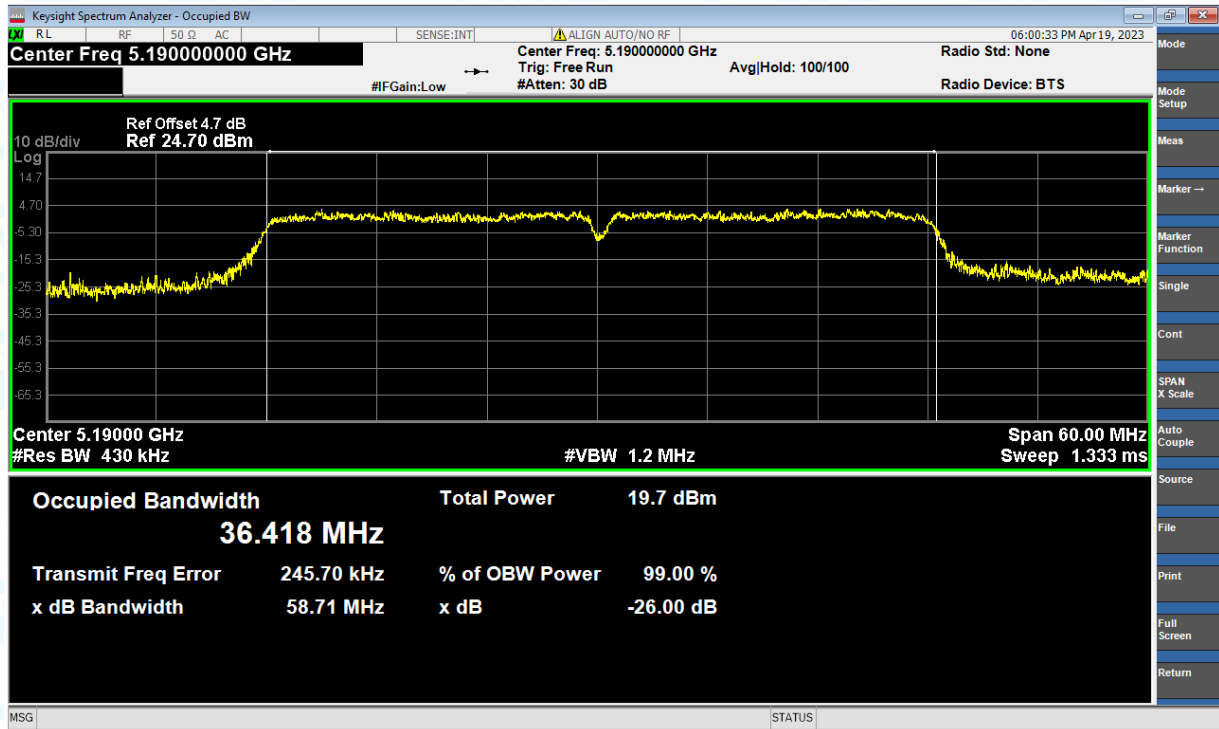
OBW NVNT n(HT20) 5200MHz Ant1



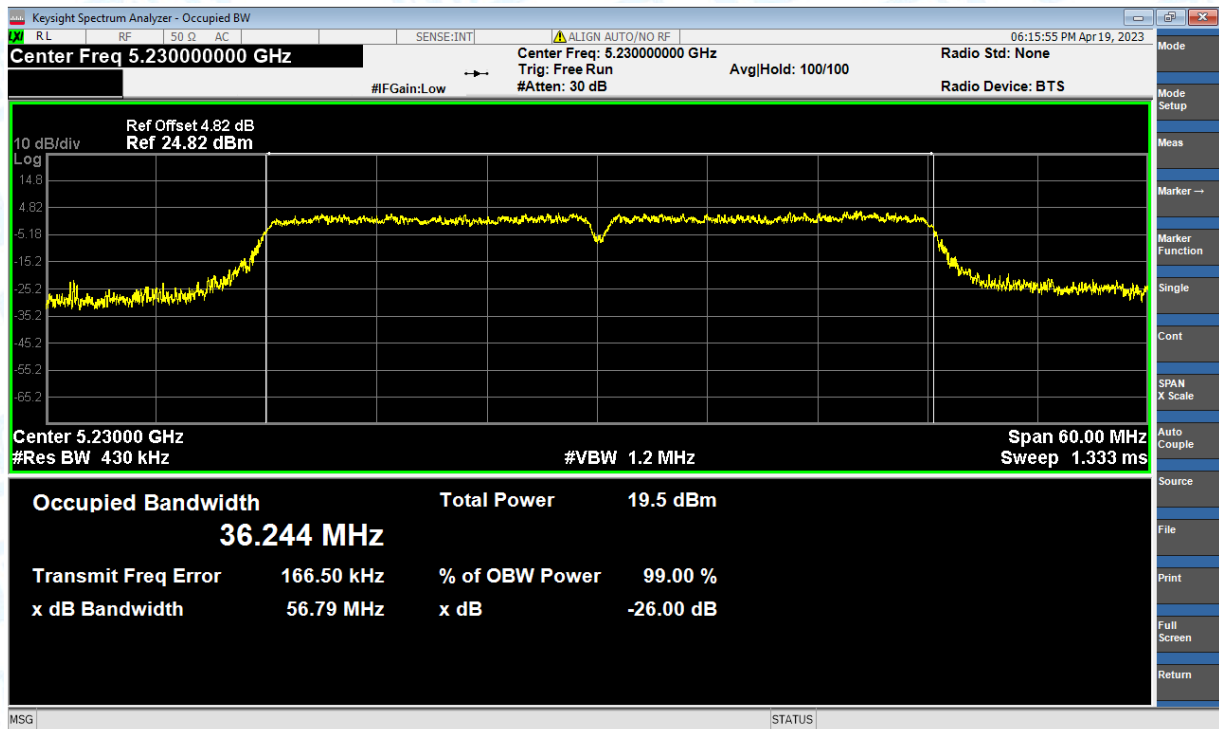
OBW NVNT n(HT20) 5240MHz Ant1



OBW NVNT n(HT40) 5190MHz Ant1



OBW NVNT n(HT40) 5230MHz Ant1

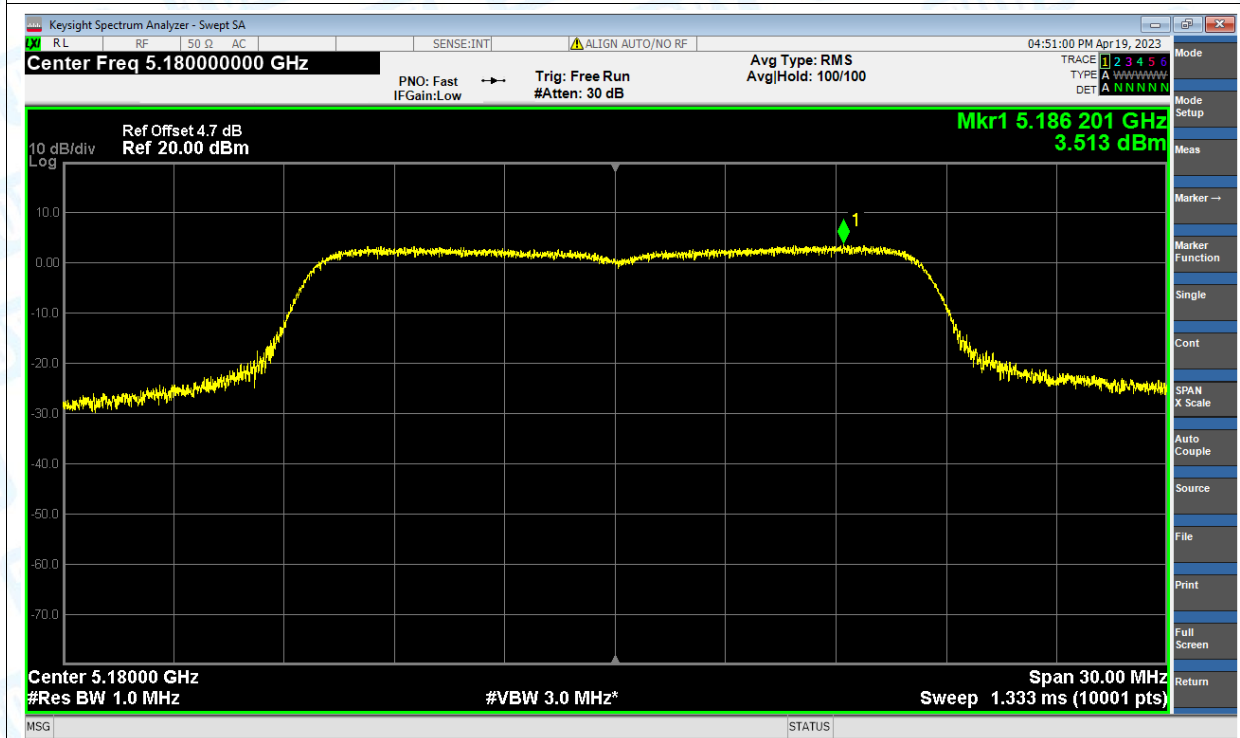


5. Maximum Power Spectral Density Level

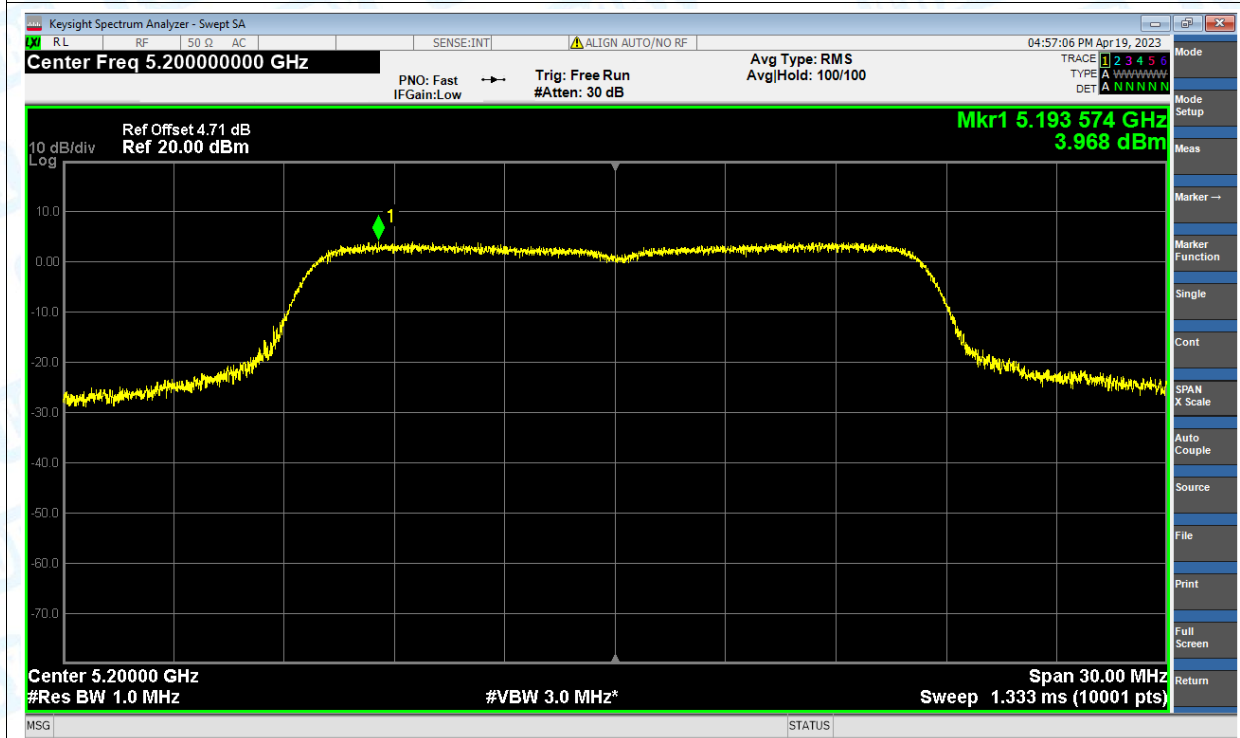
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	3.513	11	Pass
NVNT	a	5200	Ant1	3.968	11	Pass
NVNT	a	5240	Ant1	4.829	11	Pass
NVNT	ac(VHT20)	5180	Ant1	3.195	11	Pass
NVNT	ac(VHT20)	5200	Ant1	3.649	11	Pass
NVNT	ac(VHT20)	5240	Ant1	4.497	11	Pass
NVNT	ac(VHT40)	5190	Ant1	-0.068	11	Pass
NVNT	ac(VHT40)	5230	Ant1	0.061	11	Pass
NVNT	ac(VHT80)	5210	Ant1	-3.851	11	Pass
NVNT	n(HT20)	5180	Ant1	3.357	11	Pass
NVNT	n(HT20)	5200	Ant1	3.704	11	Pass
NVNT	n(HT20)	5240	Ant1	4.567	11	Pass
NVNT	n(HT40)	5190	Ant1	0.944	11	Pass
NVNT	n(HT40)	5230	Ant1	0.428	11	Pass

Test Graphs

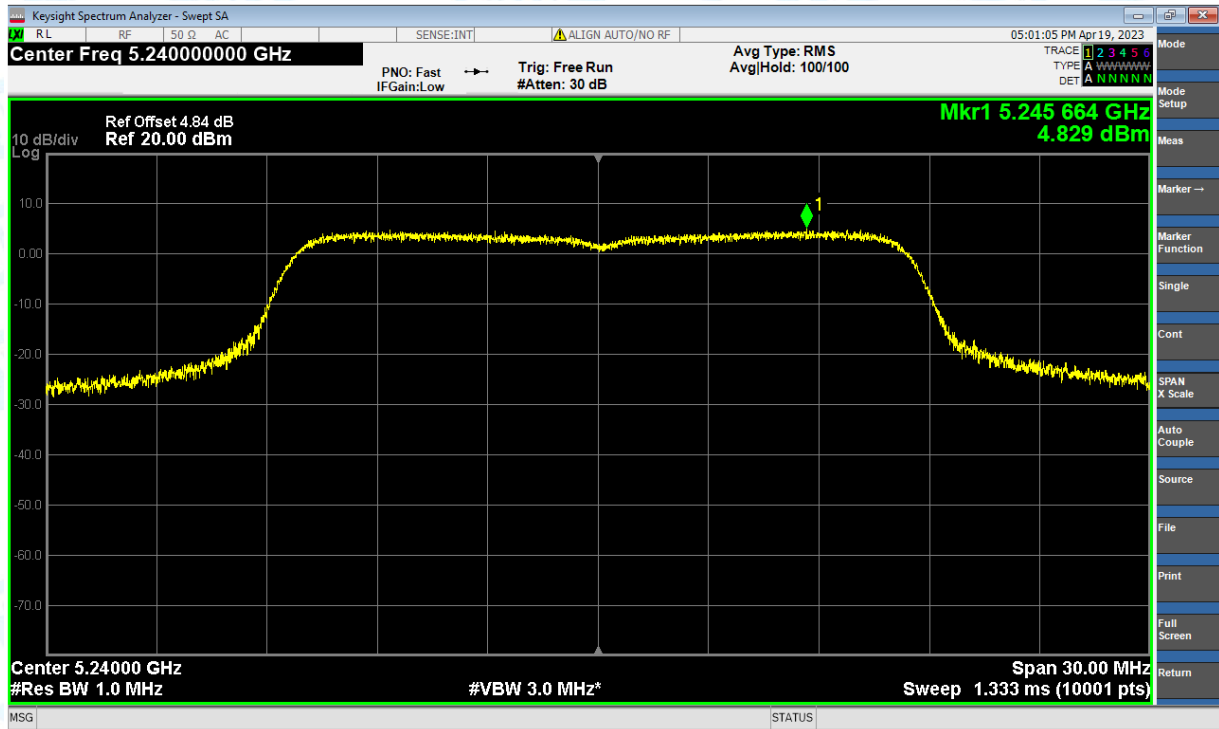
PSD NVNT a 5180MHz Ant1



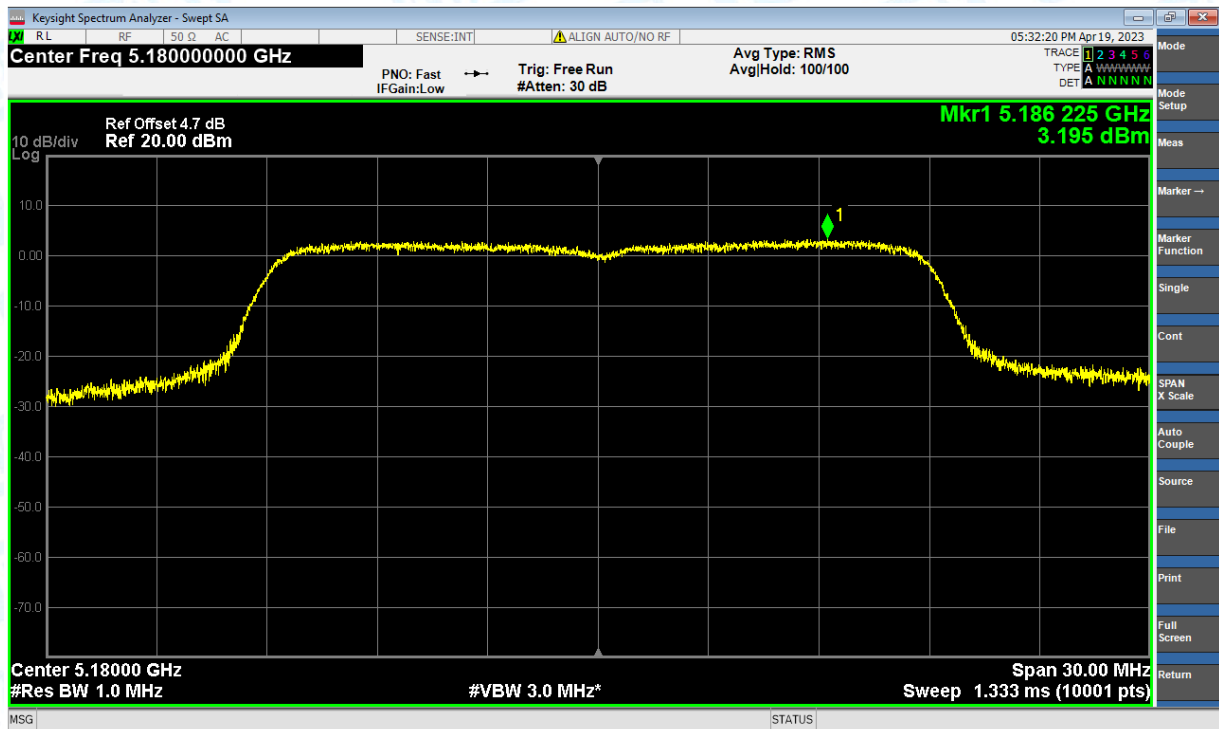
PSD NVNT a 5200MHz Ant1



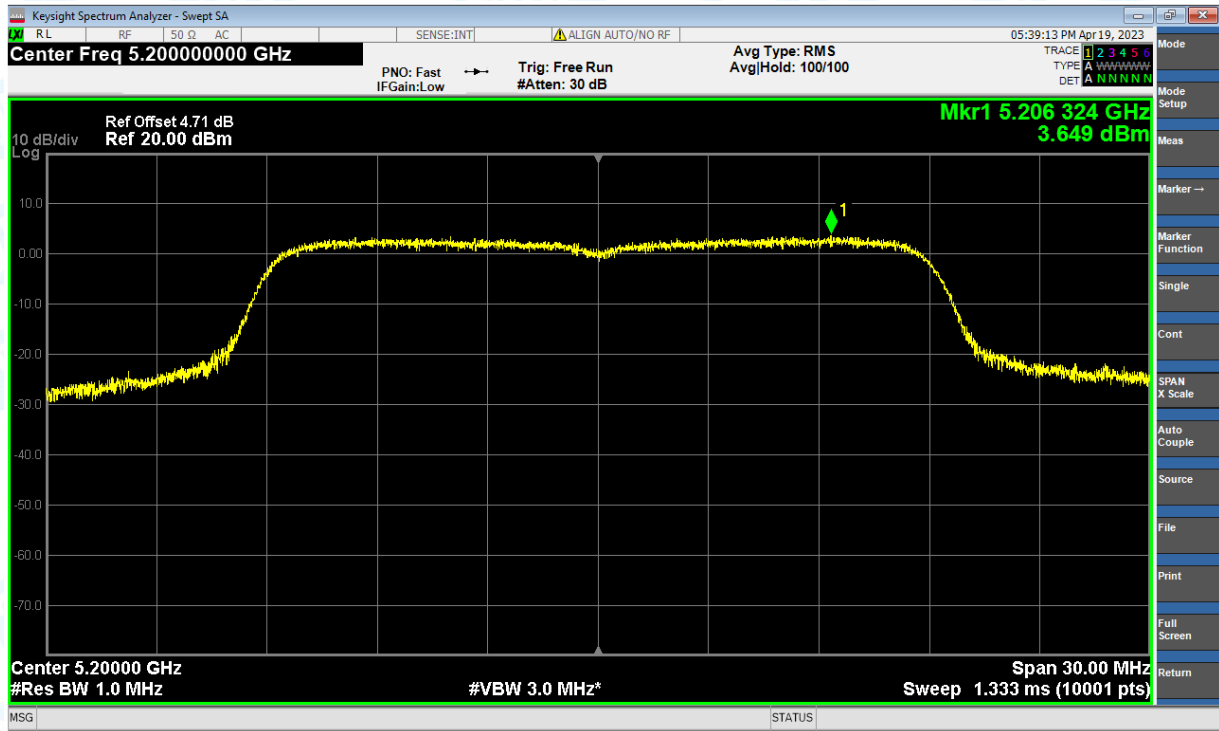
PSD NVNT a 5240MHz Ant1



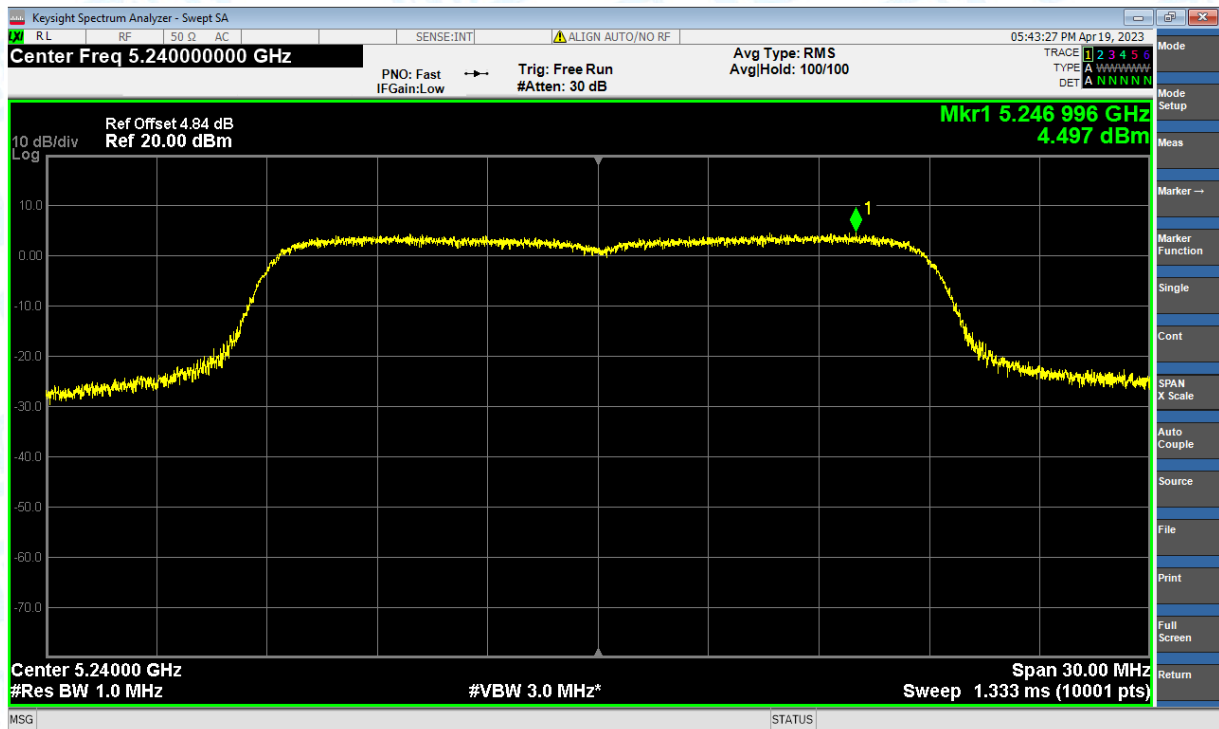
PSD NVNT ac(VHT20) 5180MHz Ant1



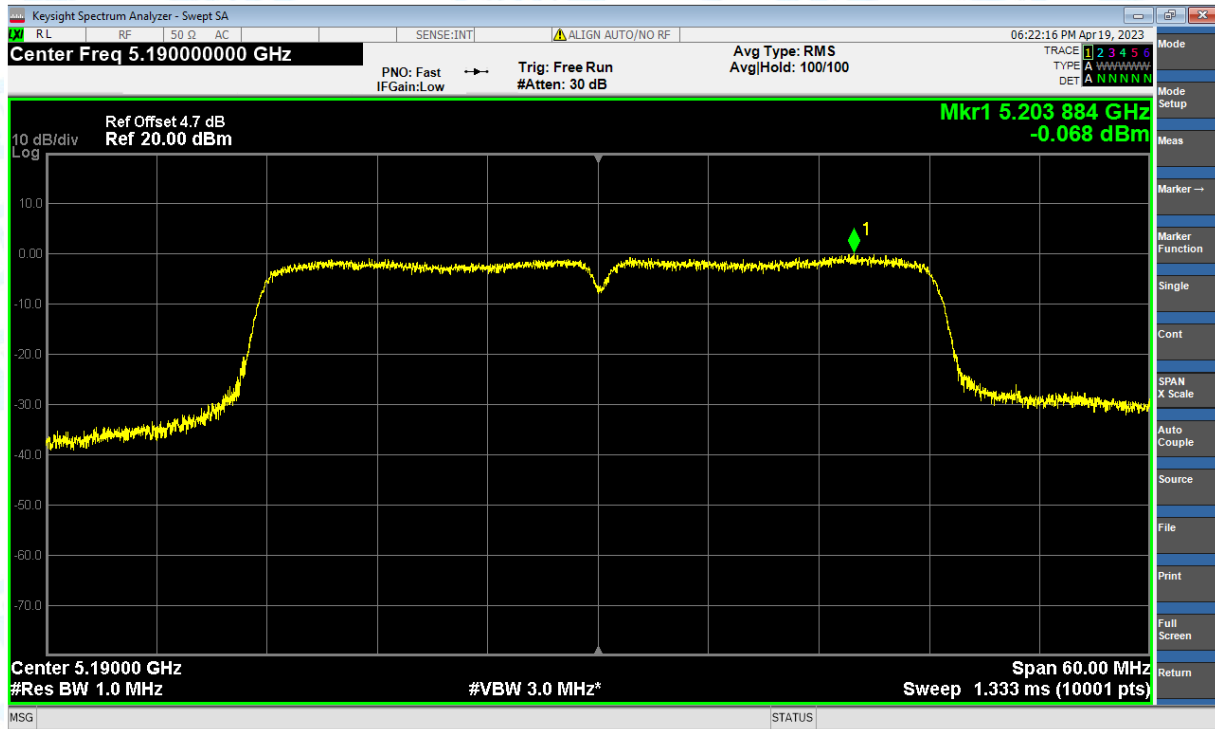
PSD NVNT ac(VHT20) 5200MHz Ant1



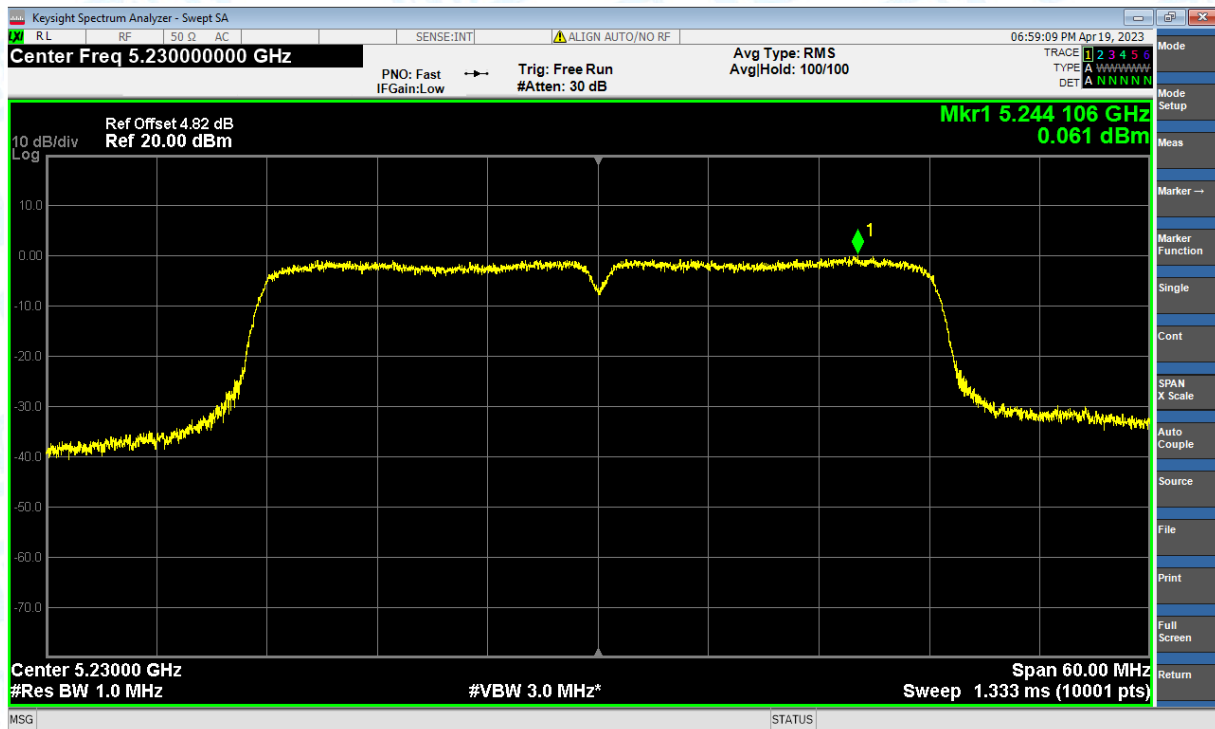
PSD NVNT ac(VHT20) 5240MHz Ant1



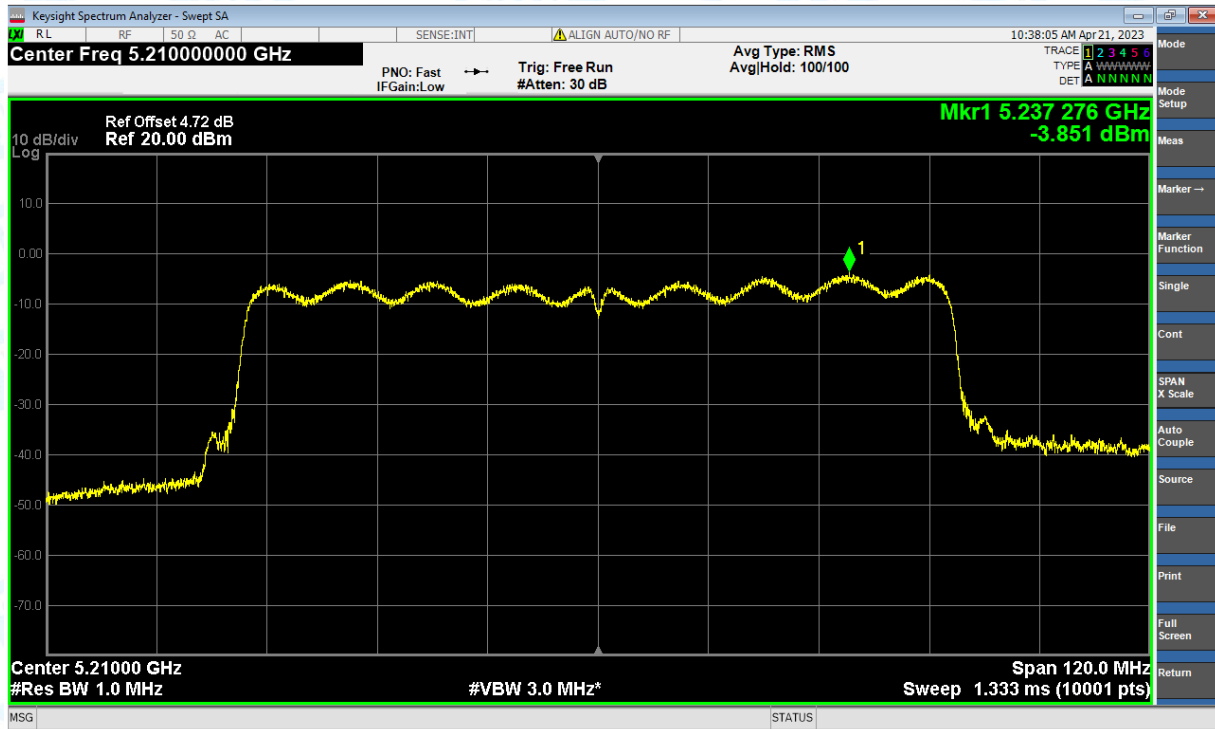
PSD NVNT ac(VHT40) 5190MHz Ant1



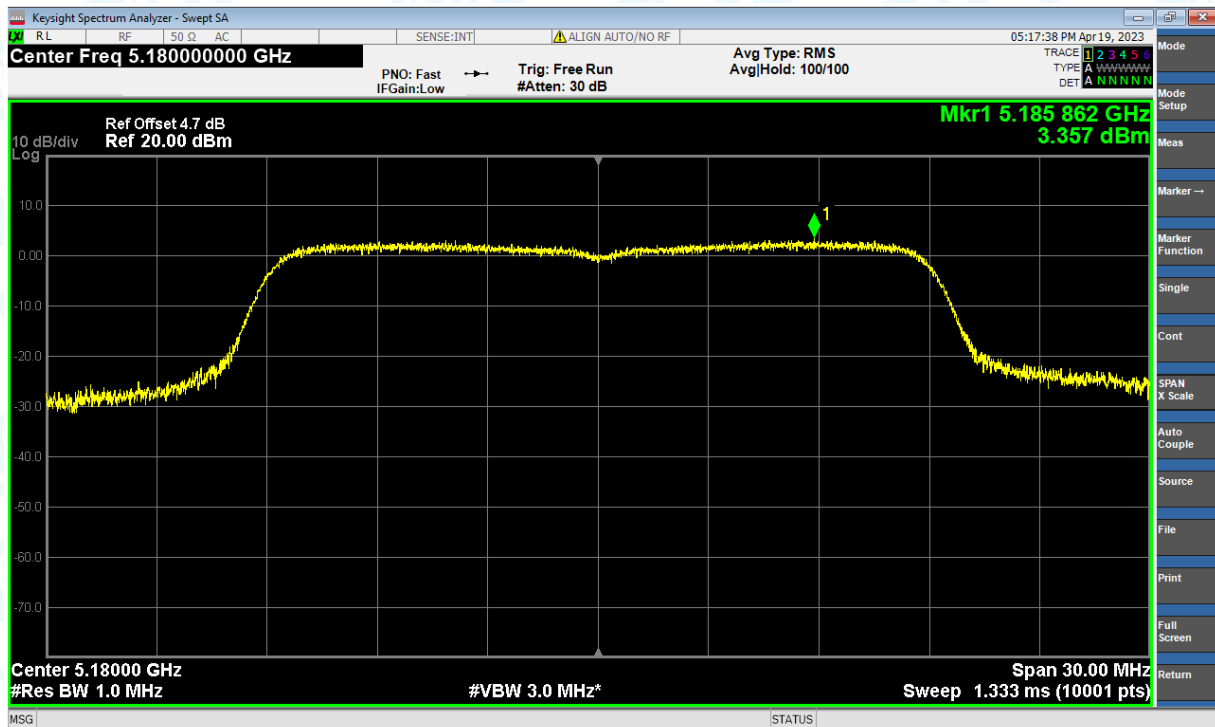
PSD NVNT ac(VHT40) 5230MHz Ant1



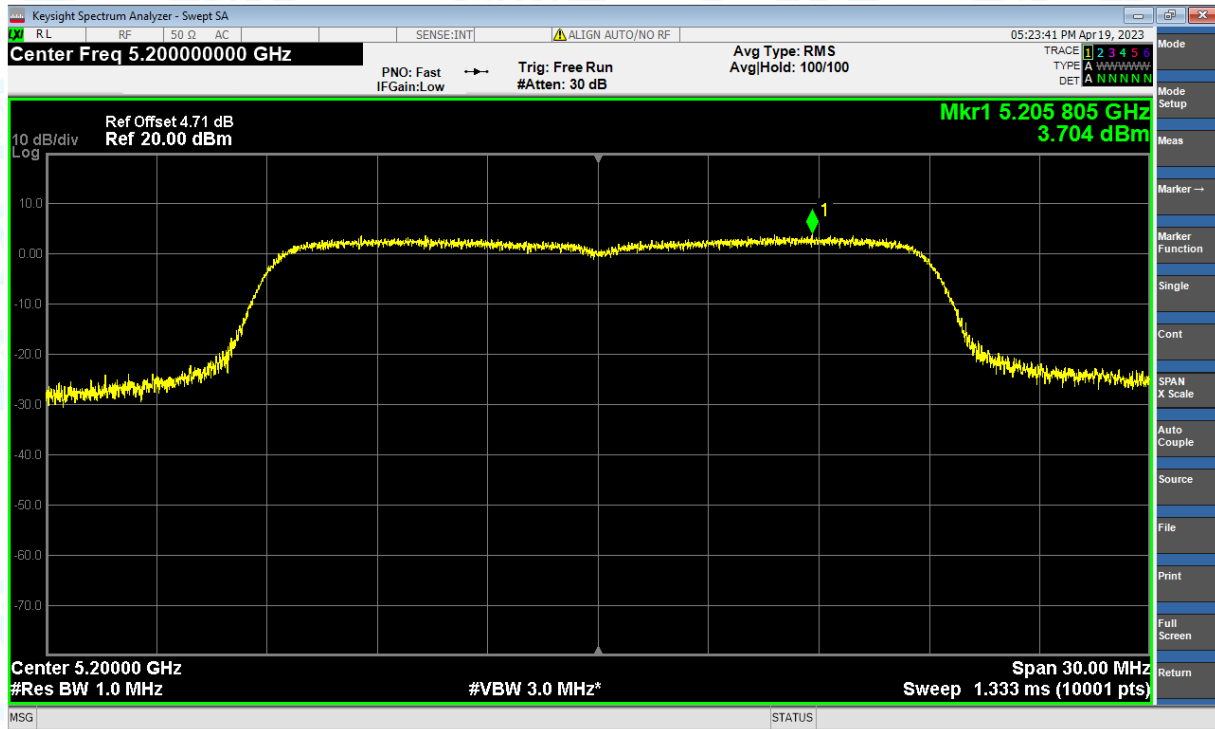
PSD NVNT ac(VHT80) 5210MHz Ant1



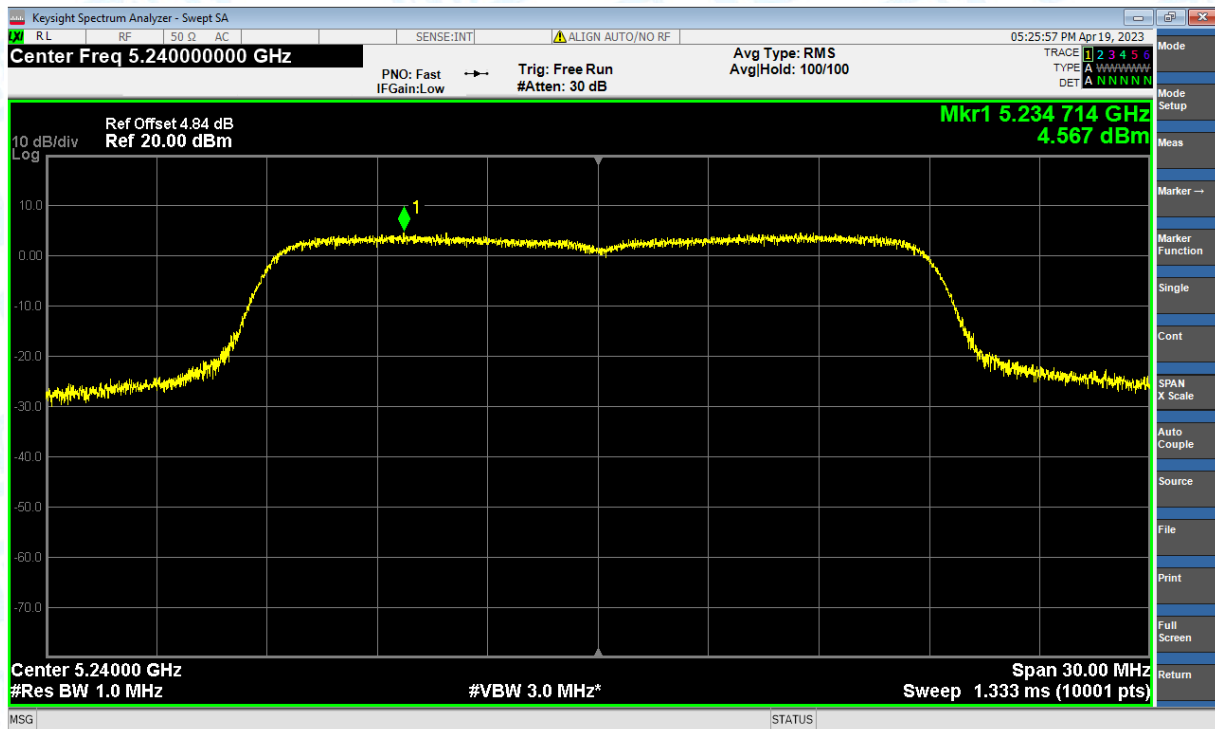
PSD NVNT n(HT20) 5180MHz Ant1



PSD NVNT n(HT20) 5200MHz Ant1



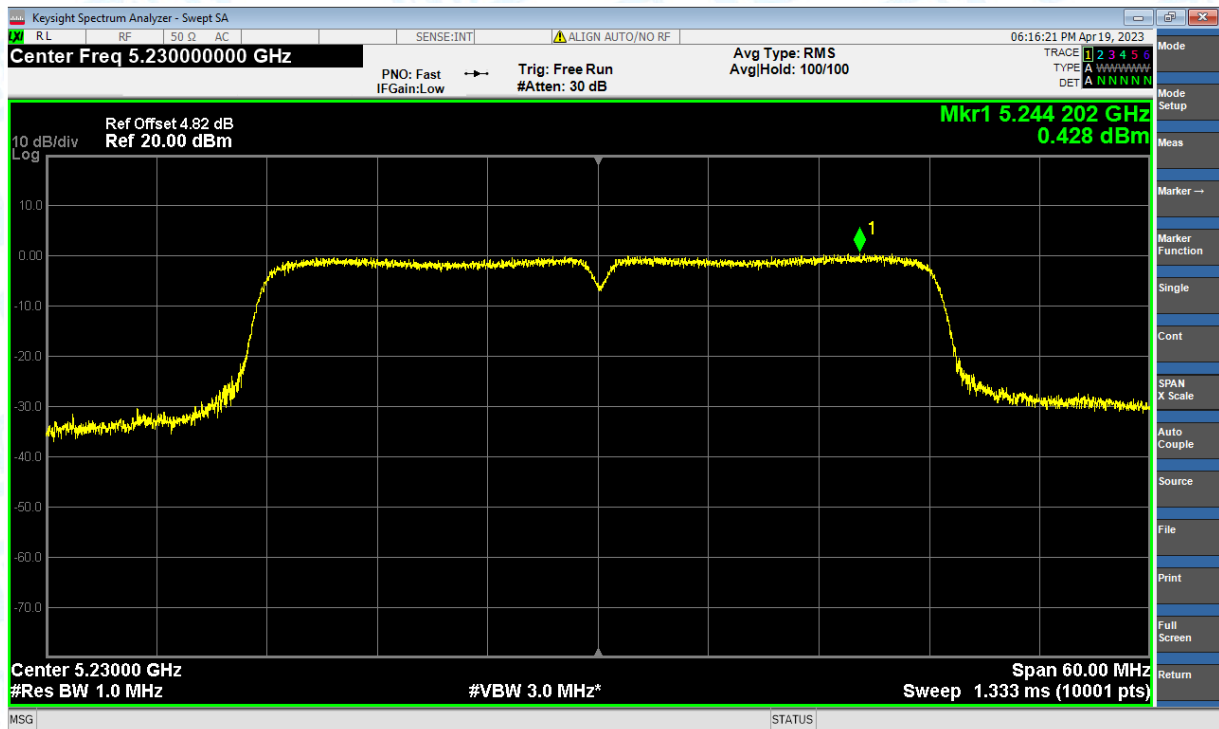
PSD NVNT n(HT20) 5240MHz Ant1



PSD NVNT n(HT40) 5190MHz Ant1



PSD NVNT n(HT40) 5230MHz Ant1

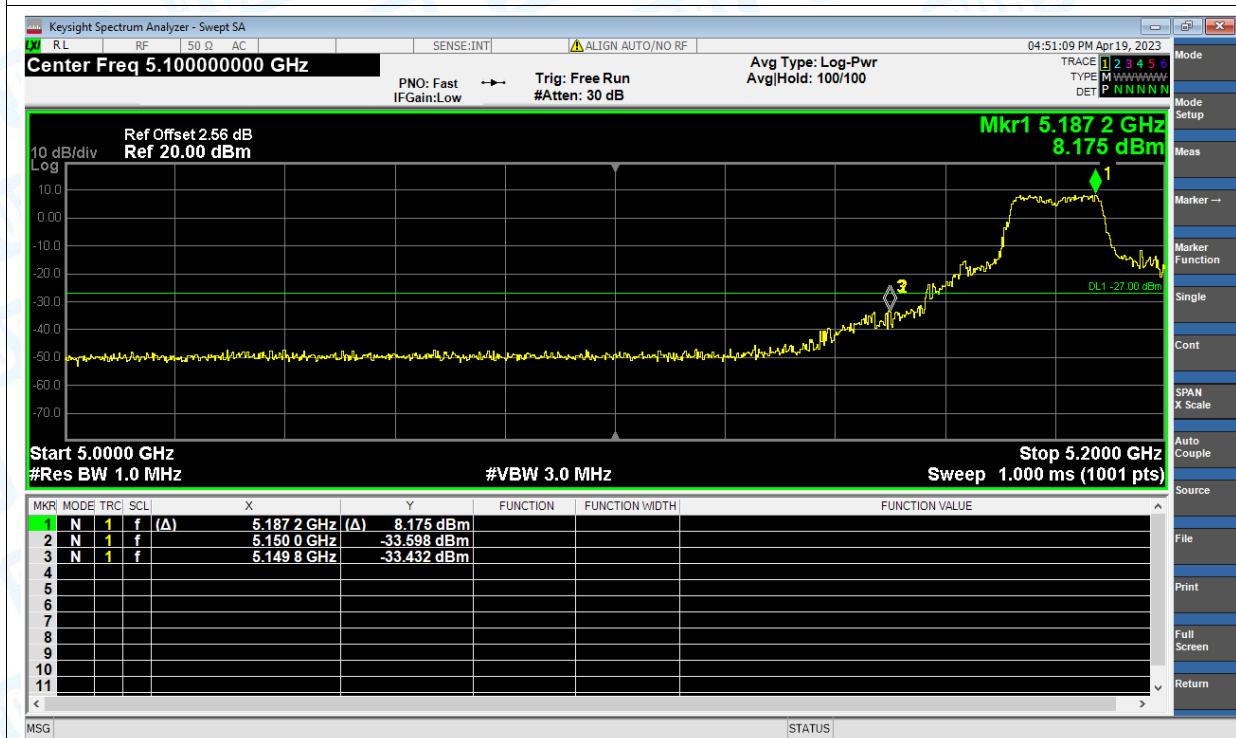


6. Band Edge

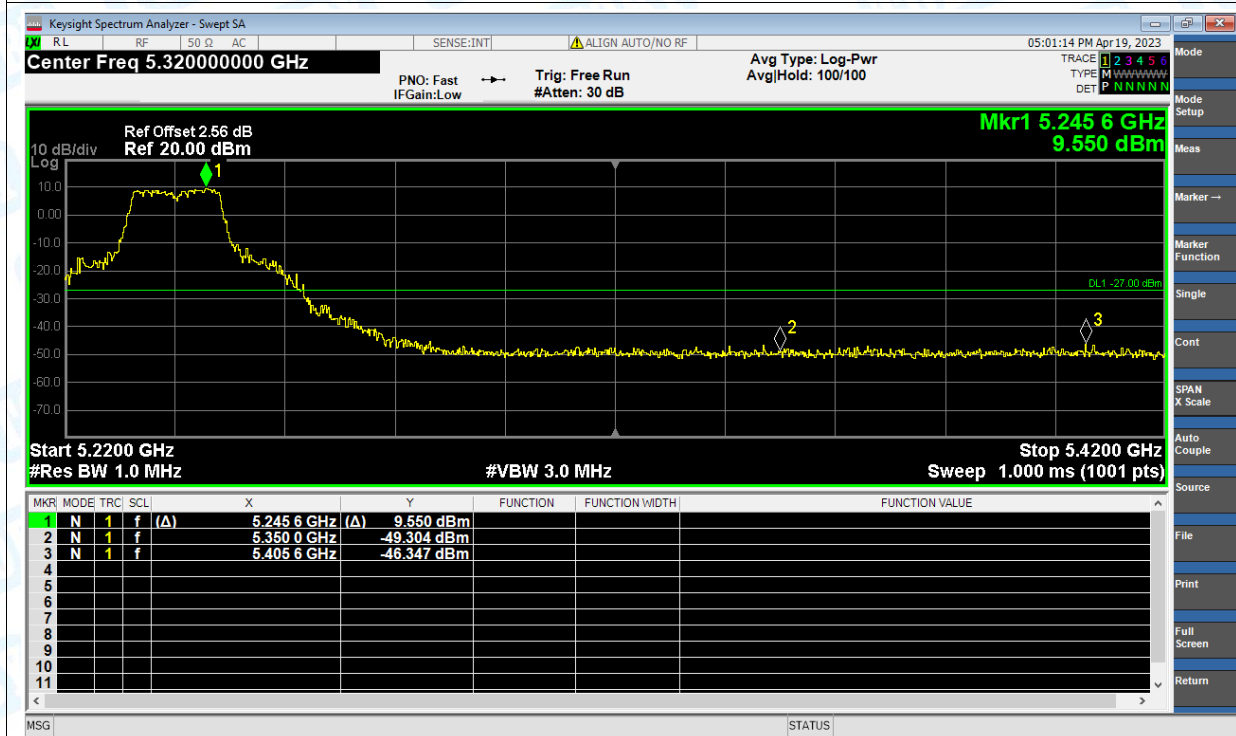
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.43	-27	Pass
NVNT	a	5240	Ant1	-46.35	-27	Pass
NVNT	ac(VHT20)	5180	Ant1	-33.49	-27	Pass
NVNT	ac(VHT20)	5240	Ant1	-47.31	-27	Pass
NVNT	ac(VHT40)	5190	Ant1	-33.12	-27	Pass
NVNT	ac(VHT40)	5230	Ant1	-47.5	-27	Pass
NVNT	ac(VHT80)	5210	Ant1	-38.41	-27	Pass
NVNT	n(HT20)	5180	Ant1	-34.29	-27	Pass
NVNT	n(HT20)	5240	Ant1	-46.49	-27	Pass
NVNT	n(HT40)	5190	Ant1	-27.05	-27	Pass
NVNT	n(HT40)	5230	Ant1	-47.69	-27	Pass

Test Graphs

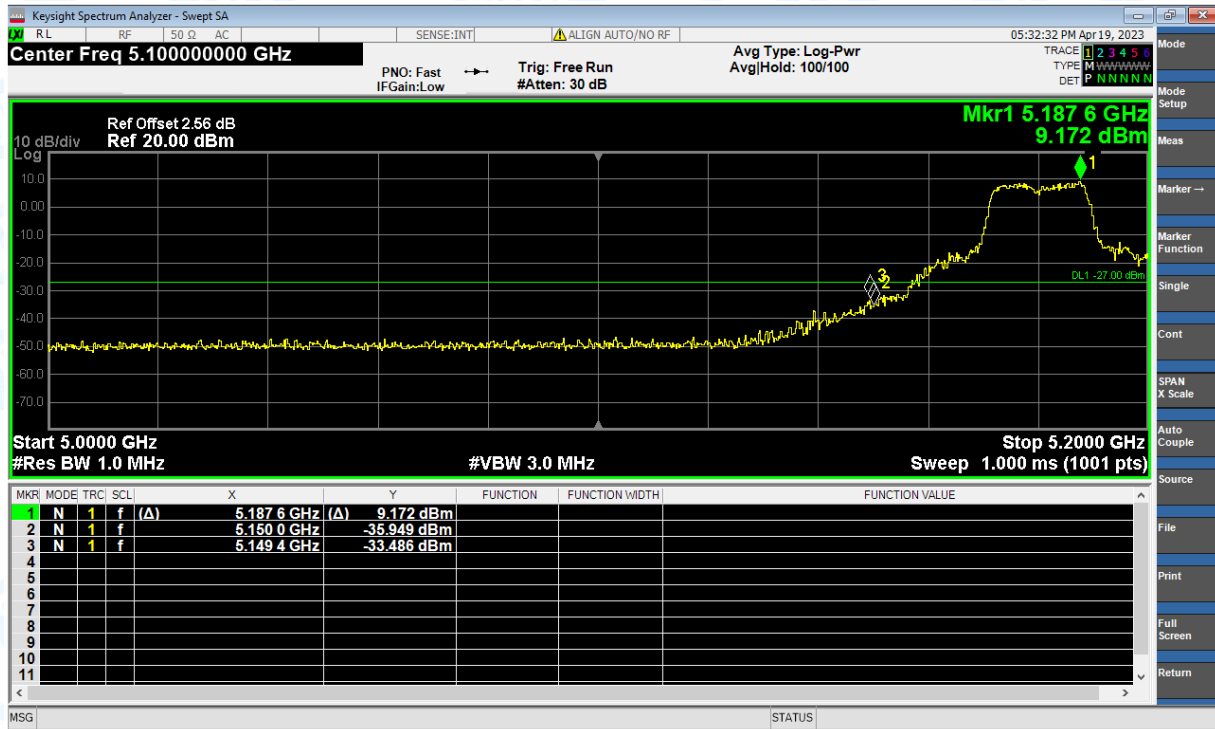
Band Edge NVNT a 5180MHz Low Ant1



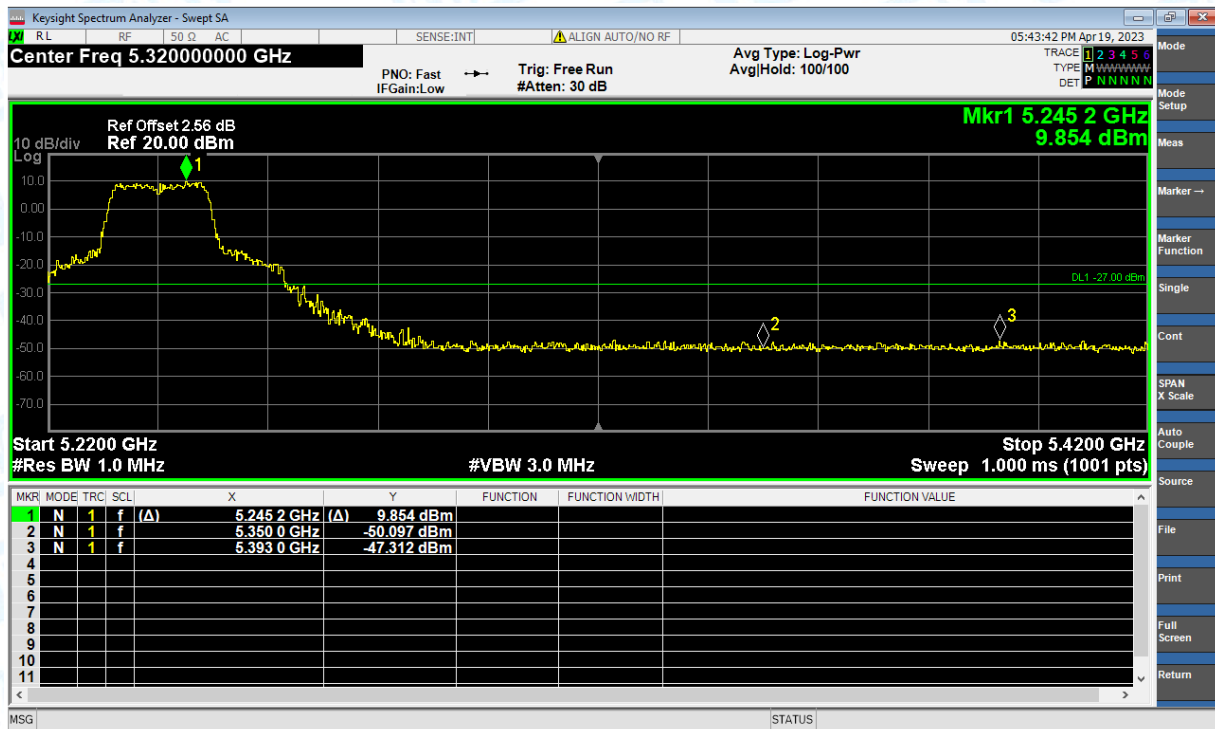
Band Edge NVNT a 5240MHz High Ant1



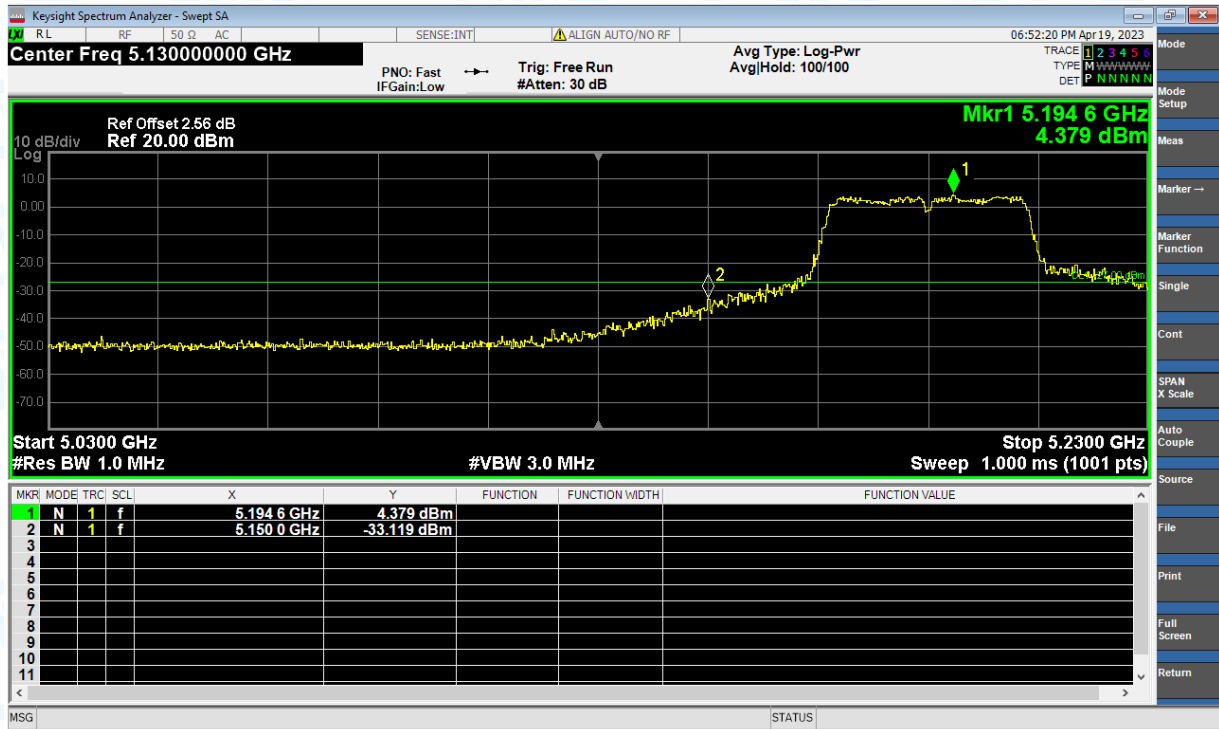
Band Edge NVNT ac(VHT20) 5180MHz Low Ant1



Band Edge NVNT ac(VHT20) 5240MHz High Ant1



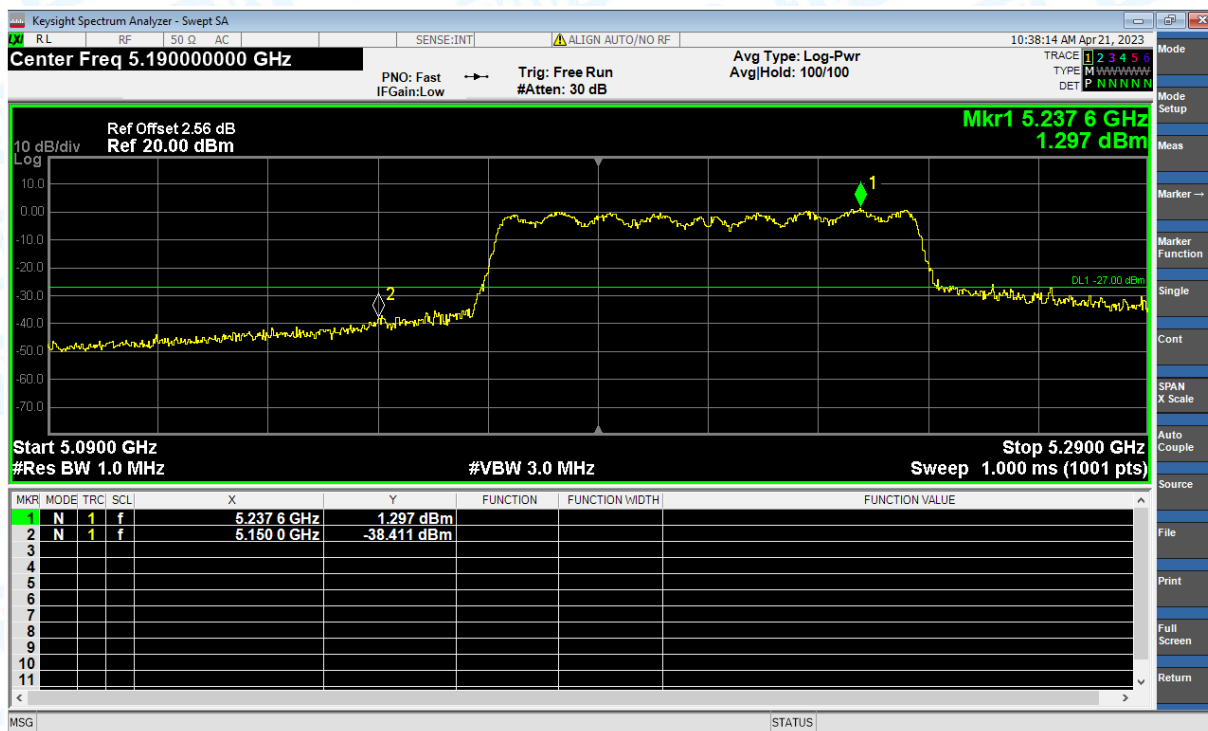
Band Edge NVNT ac(VHT40) 5190MHz Low Ant1



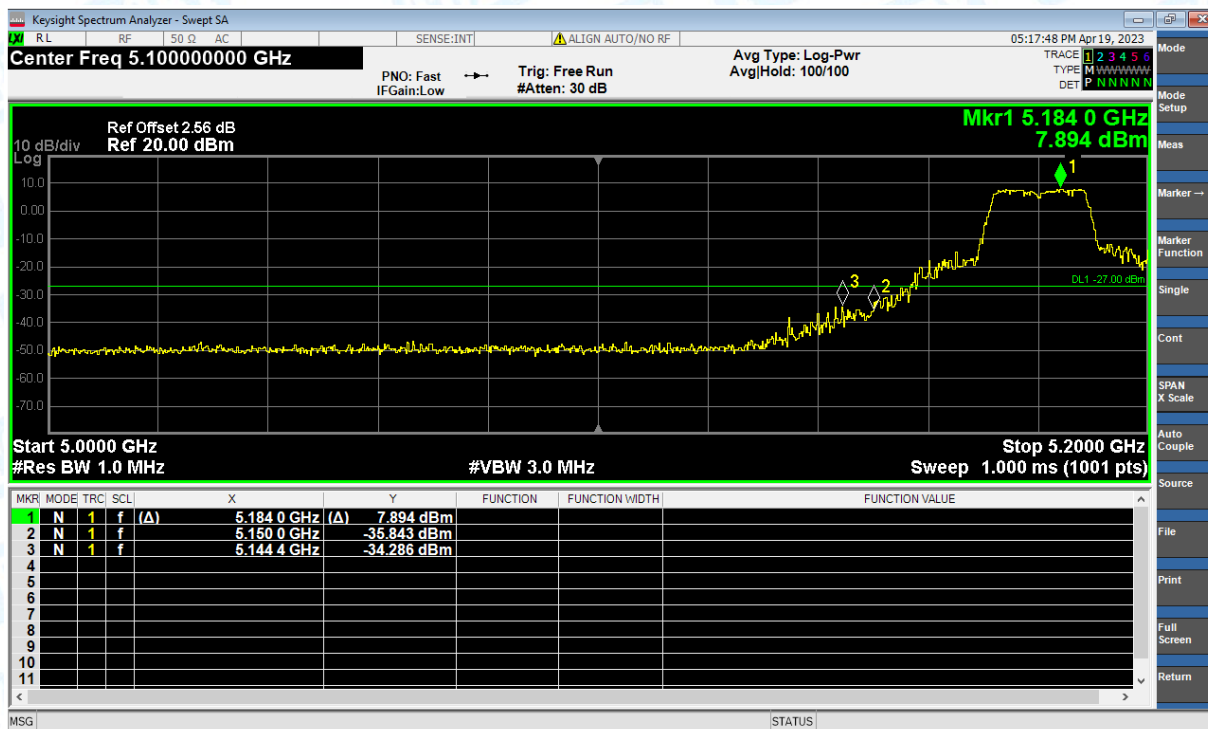
Band Edge NVNT ac(VHT40) 5230MHz High Ant1



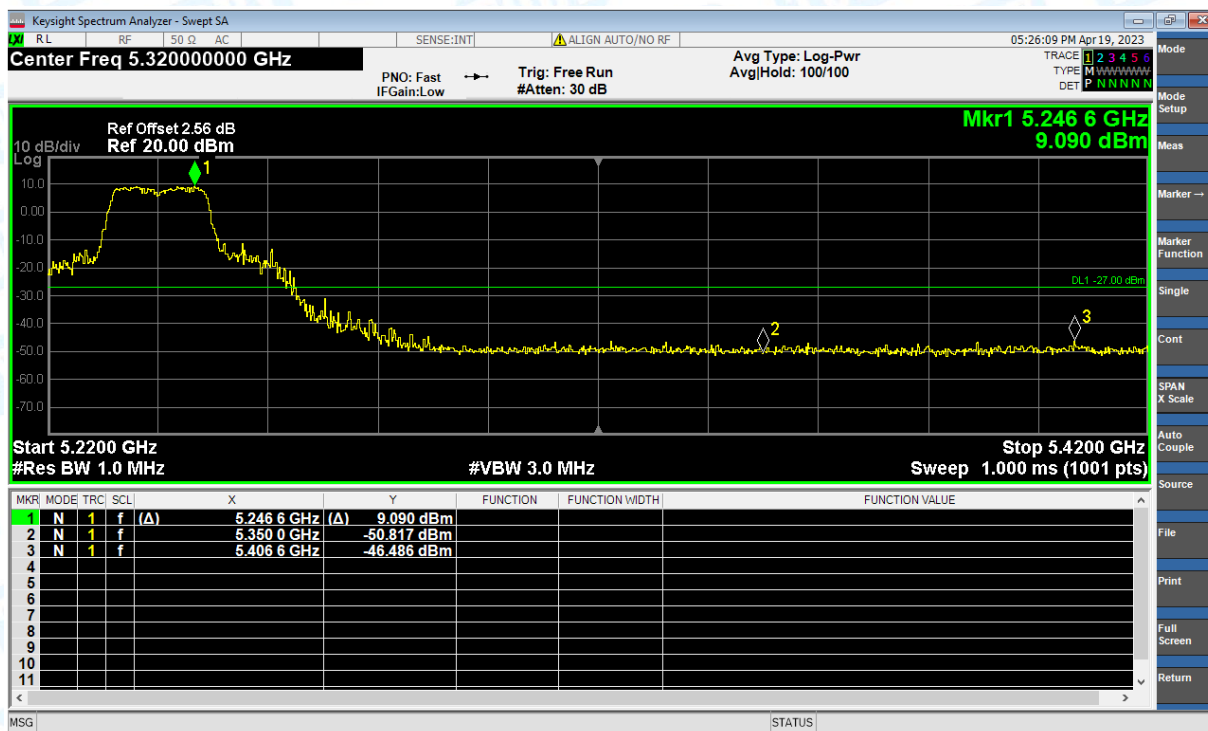
Band Edge NVNT ac(VHT80) 5210MHz Low Ant1



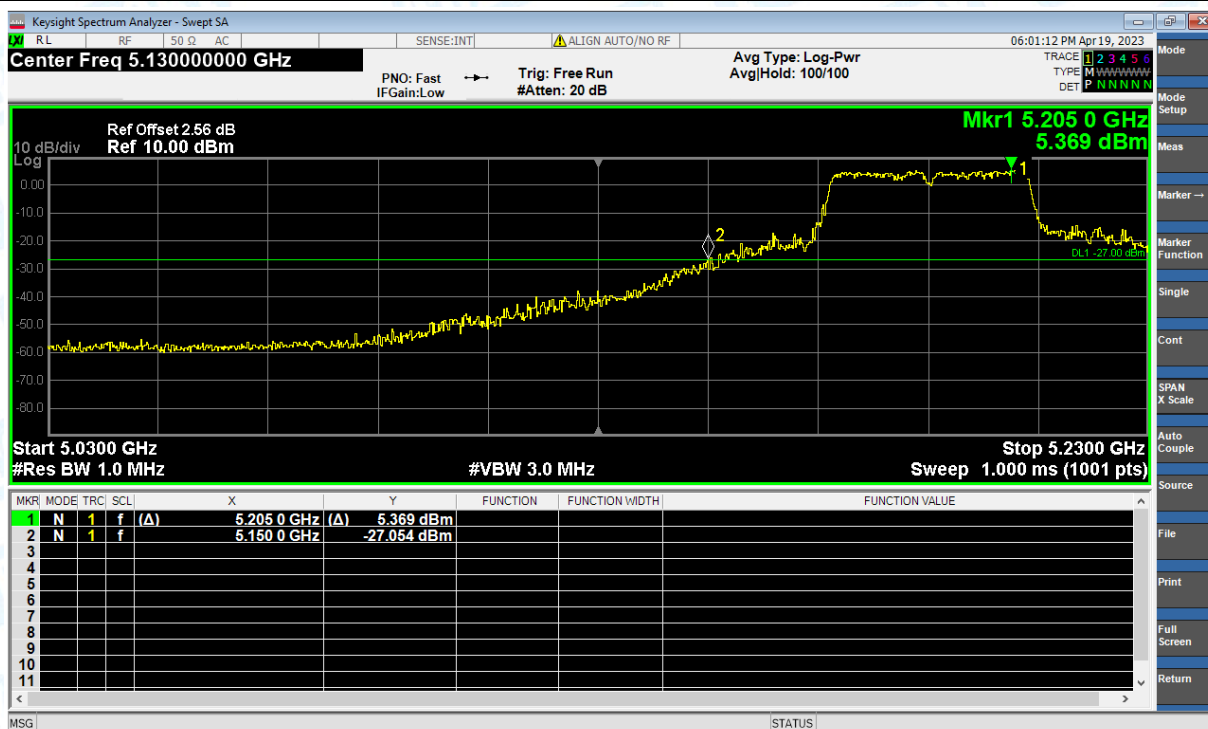
Band Edge NVNT n(HT20) 5180MHz Low Ant1



Band Edge NVNT n(HT20) 5240MHz High Ant1



Band Edge NVNT n(HT40) 5190MHz Low Ant1



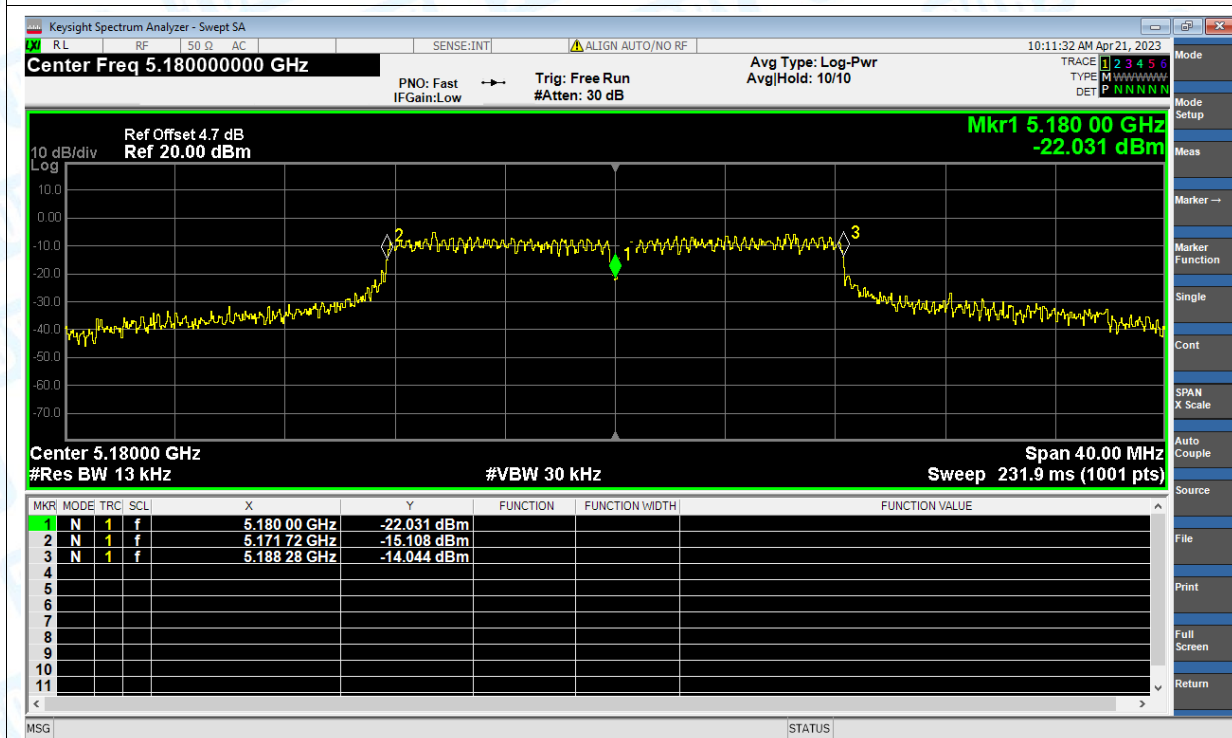


7. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Limit	Verdict
NVNT	a	5180	Ant1	5180	5150MHz~5250MHz	Pass
NVNT	a	5200	Ant1	5200.08		Pass
NVNT	a	5240	Ant1	5240.04		Pass
NVNT	ac(VHT40)	5190	Ant1	5190.08		Pass
NVNT	ac(VHT40)	5230	Ant1	5230.08		Pass
NVNT	ac(VHT80)	5210	Ant1	5210		Pass
NVNT	n(HT40)	5190	Ant1	5190.08		Pass
NVNT	n(HT40)	5230	Ant1	5230.08		Pass

Test Graphs

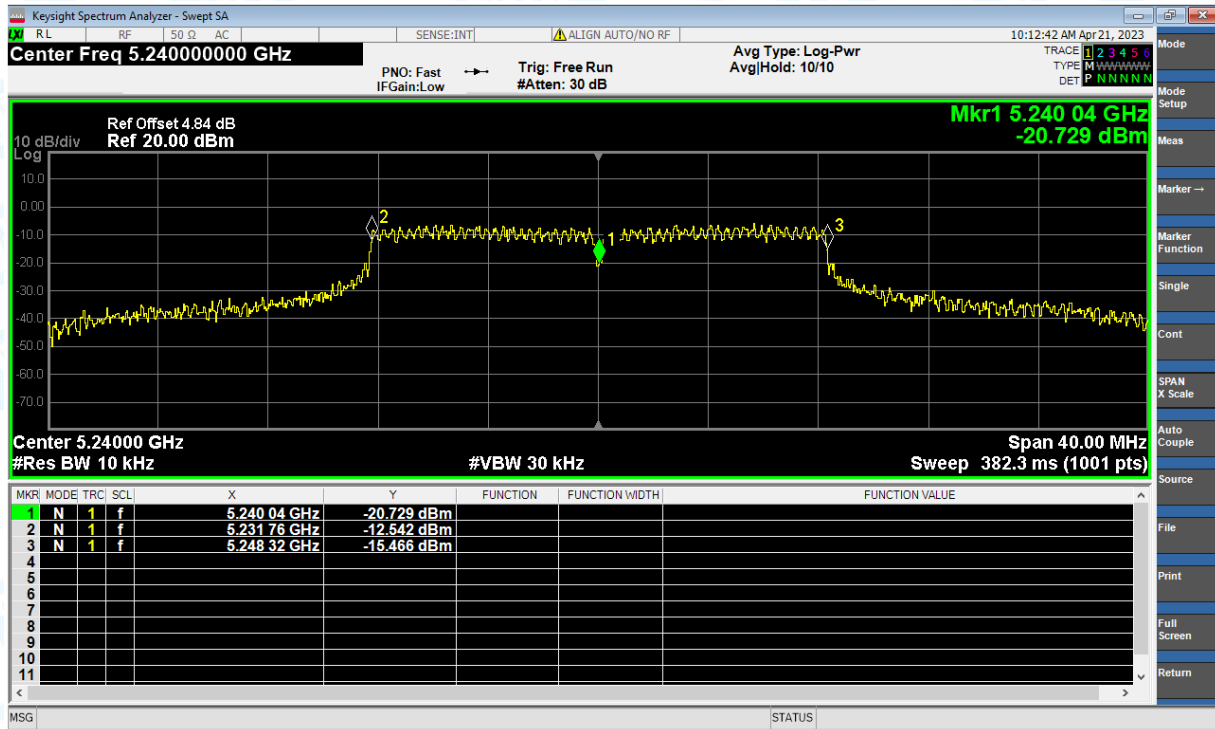
Freq. Stability NVNT a 5180MHz Ant1



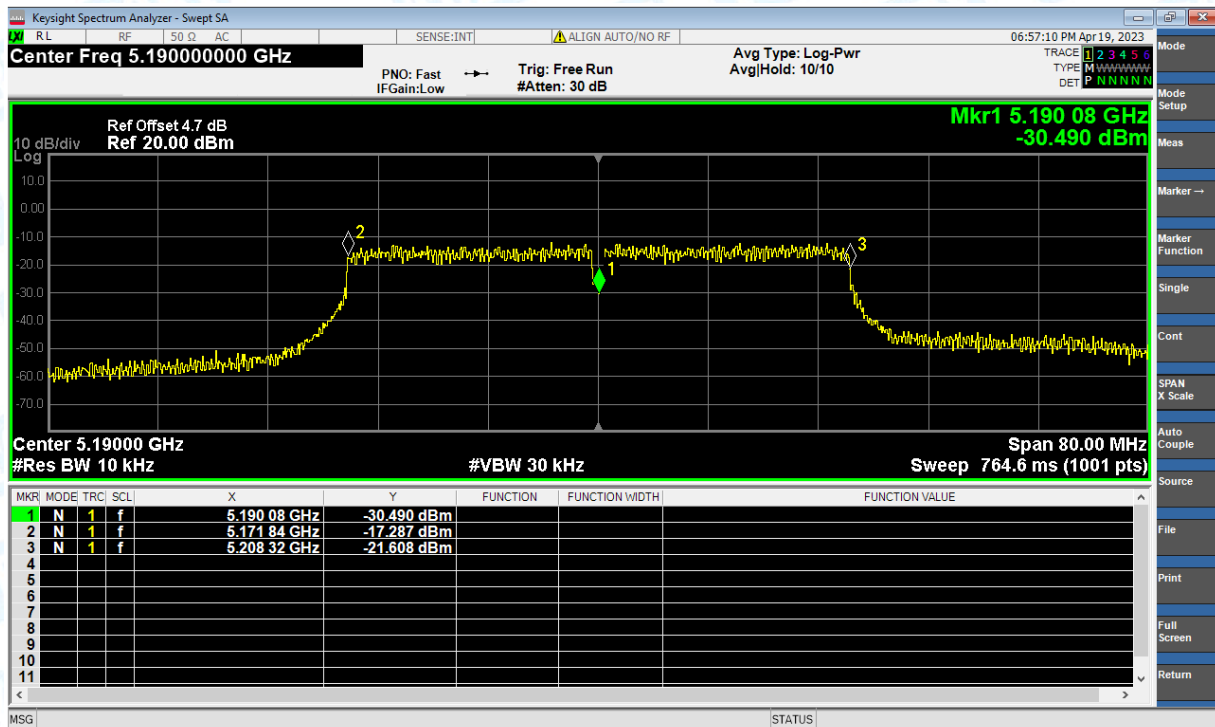
Freq. Stability NVNT a 5200MHz Ant1



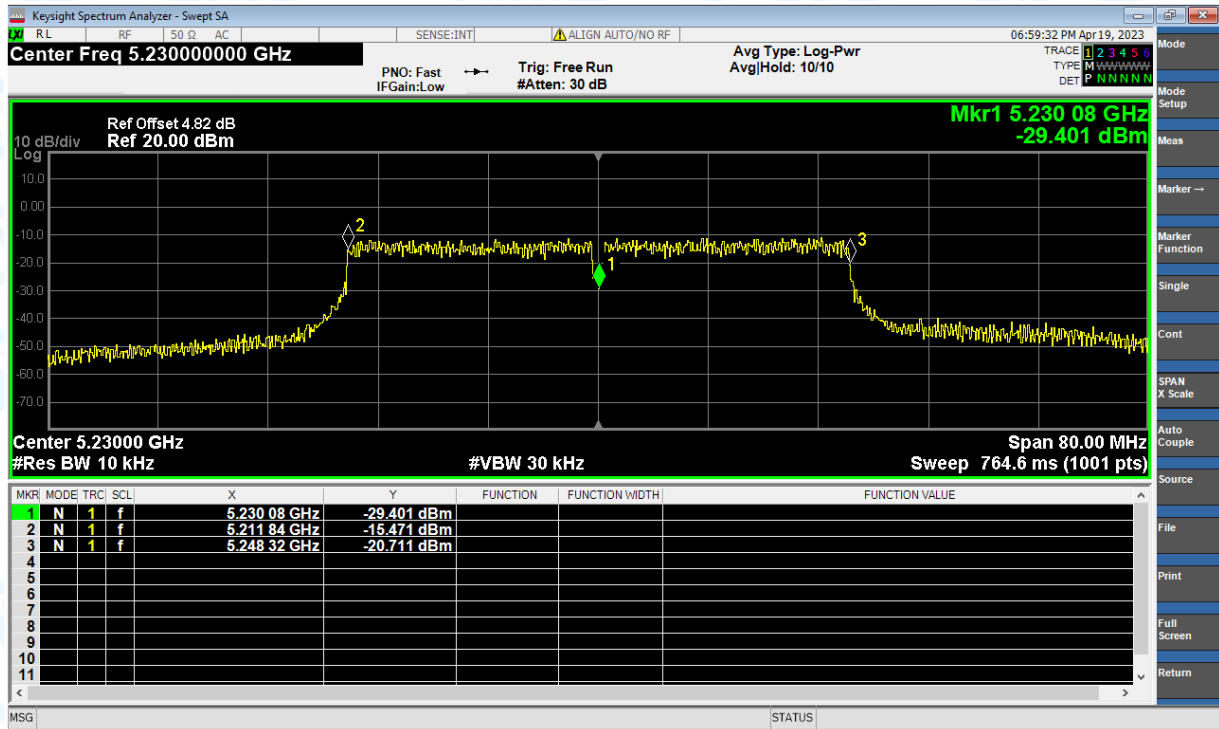
Freq. Stability NVNT a 5240MHz Ant1



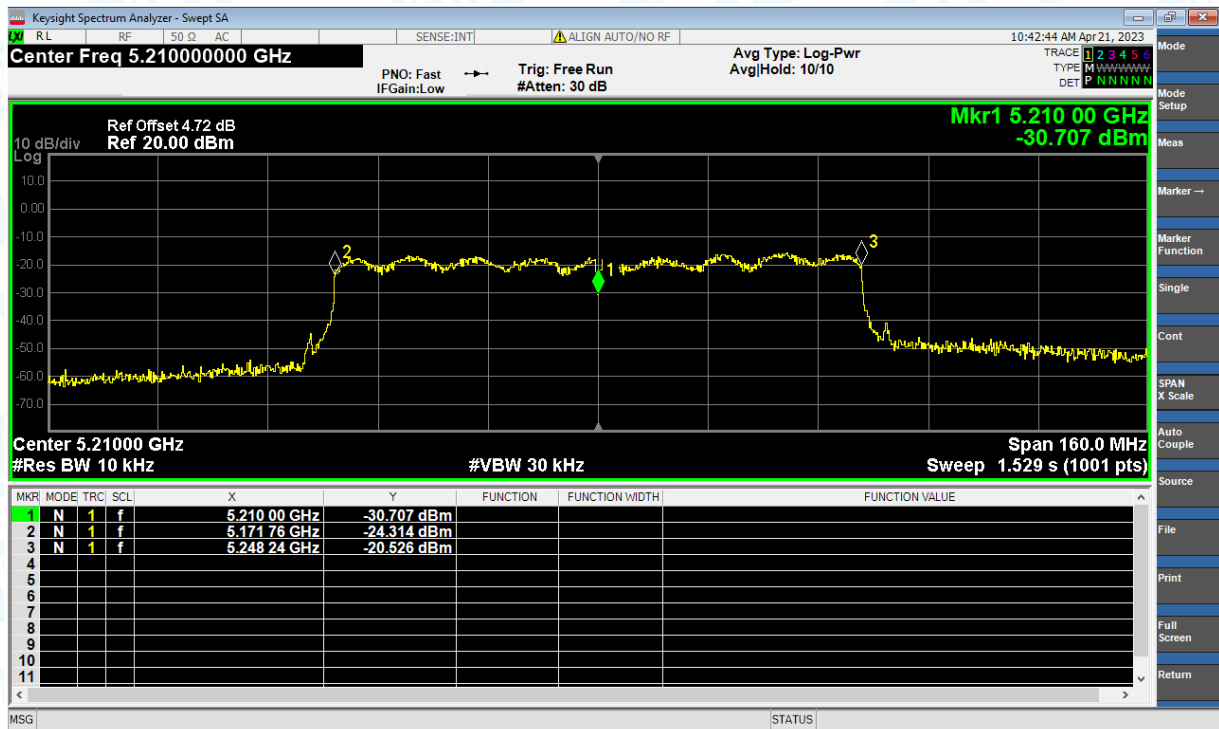
Freq. Stability NVNT ac(VHT40) 5190MHz Ant1



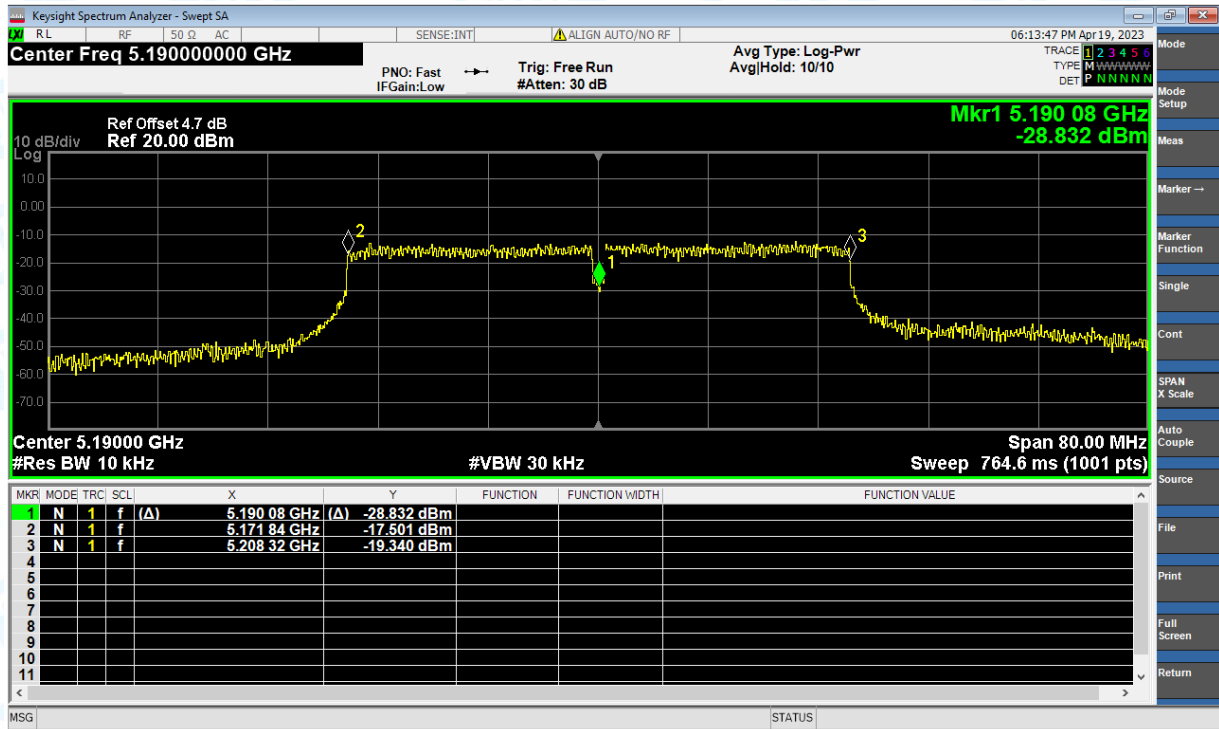
Freq. Stability NVNT ac(VHT40) 5230MHz Ant1



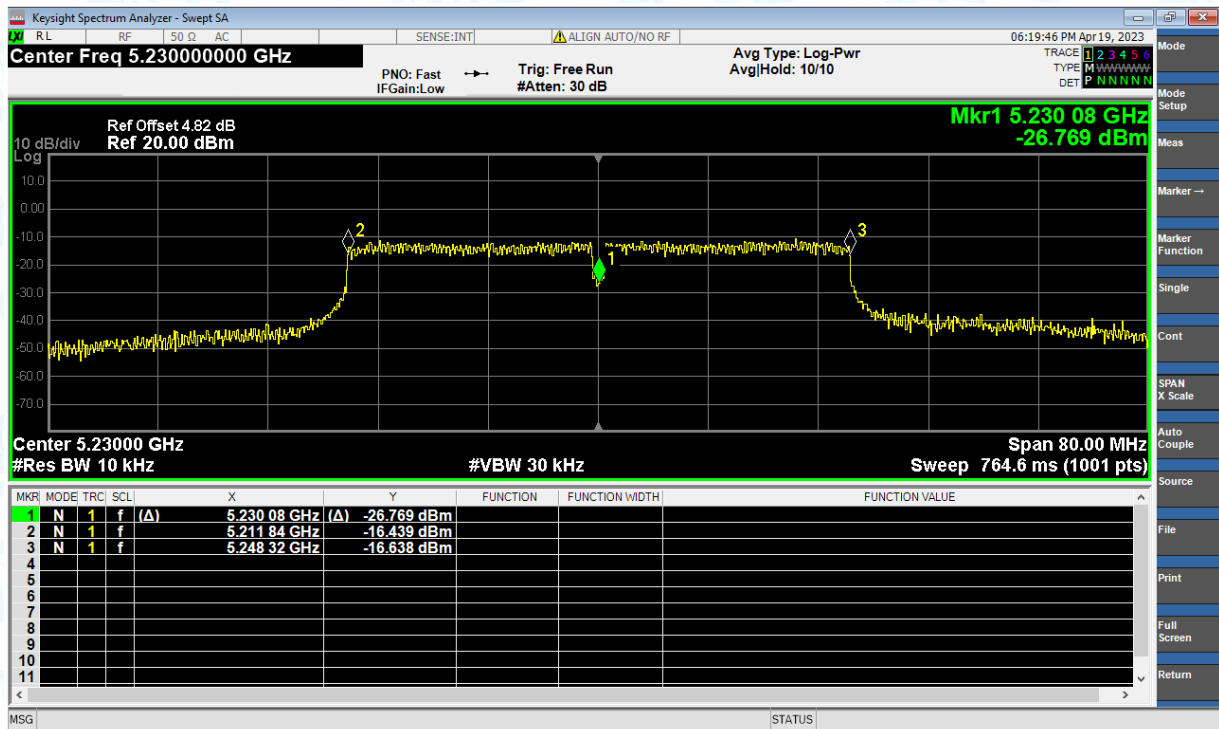
Freq. Stability NVNT ac(VHT80) 5210MHz Ant1



Freq. Stability NVNT n(HT40) 5190MHz Ant1

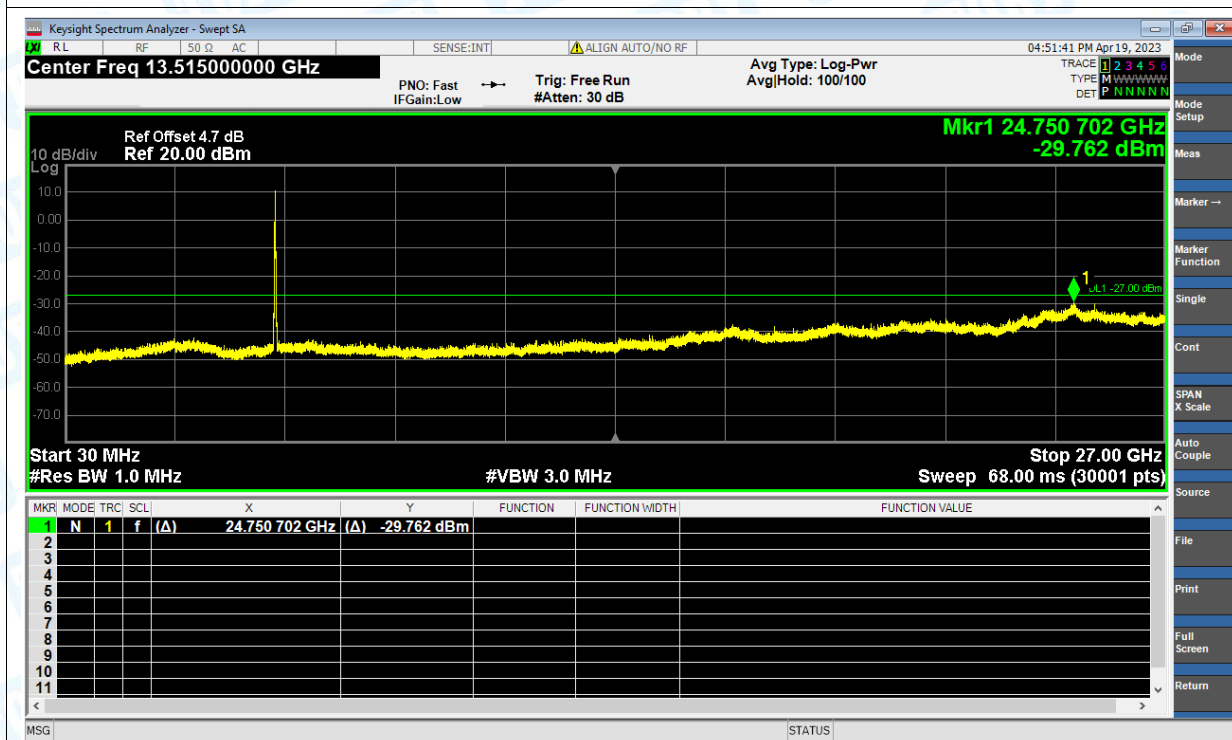


Freq. Stability NVNT n(HT40) 5230MHz Ant1

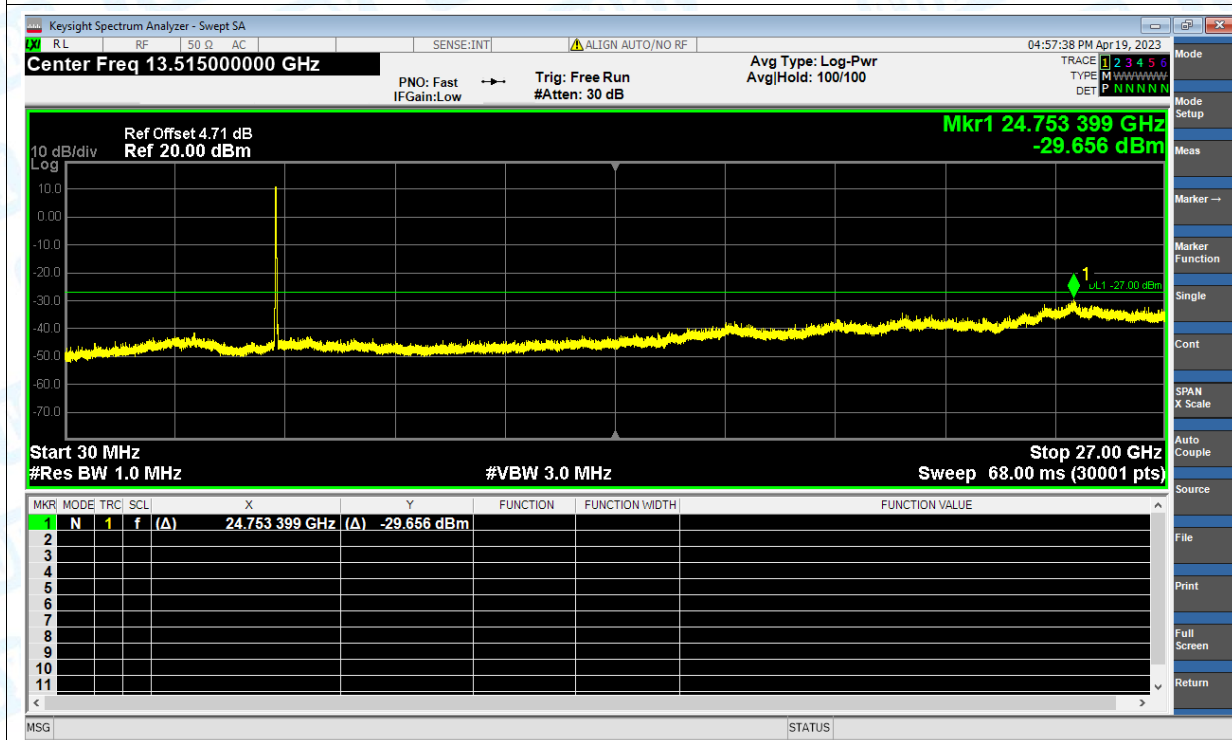


Test Graphs

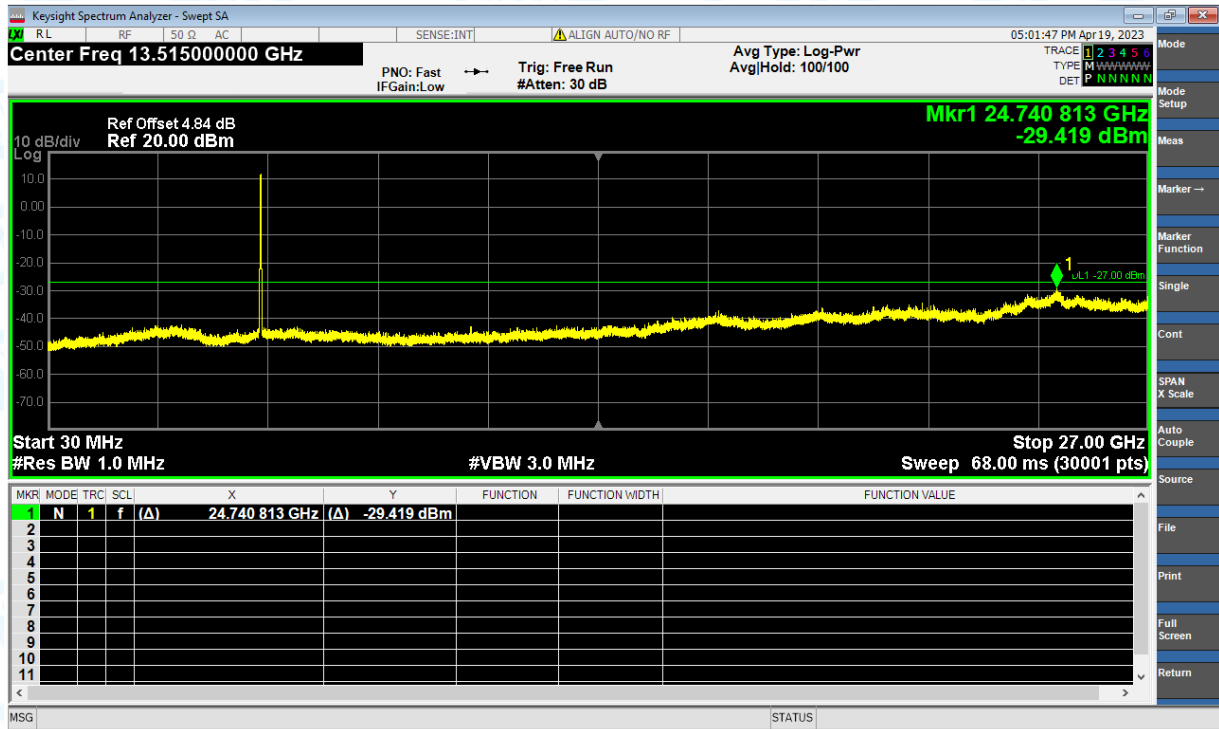
Tx. Spurious NVNT a 5180MHz Ant1 Emission



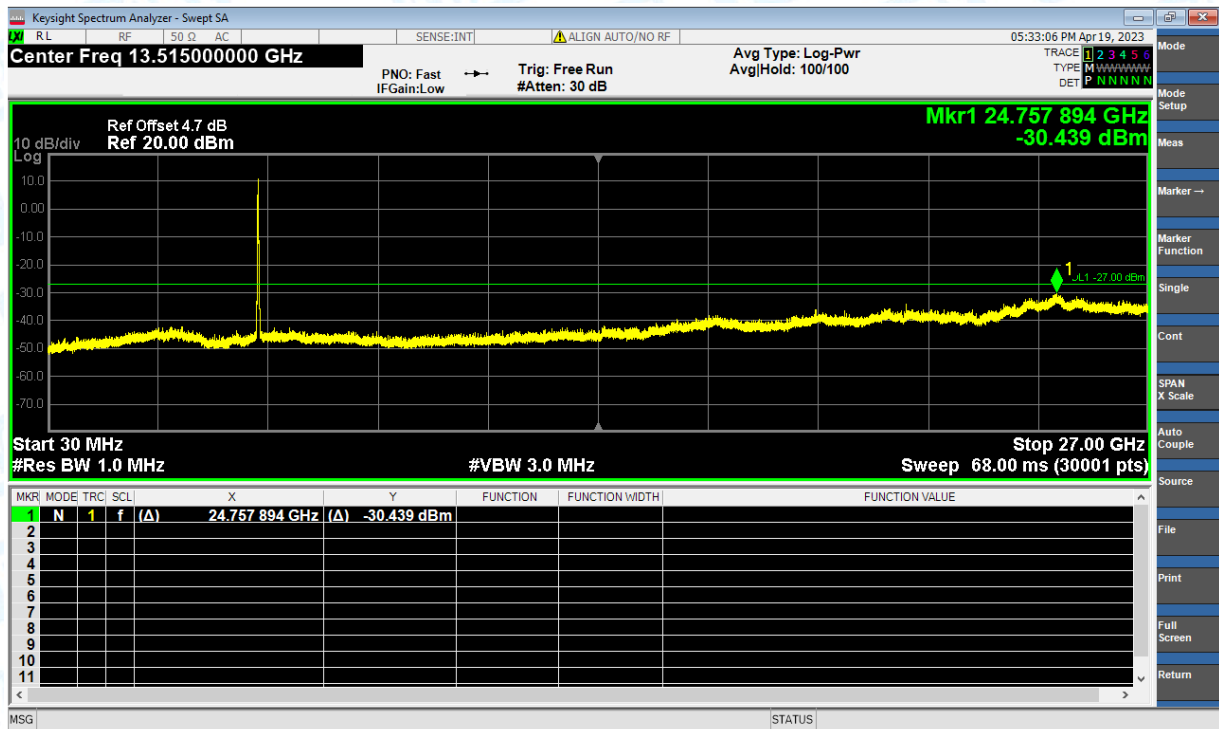
Tx. Spurious NVNT a 5200MHz Ant1 Emission



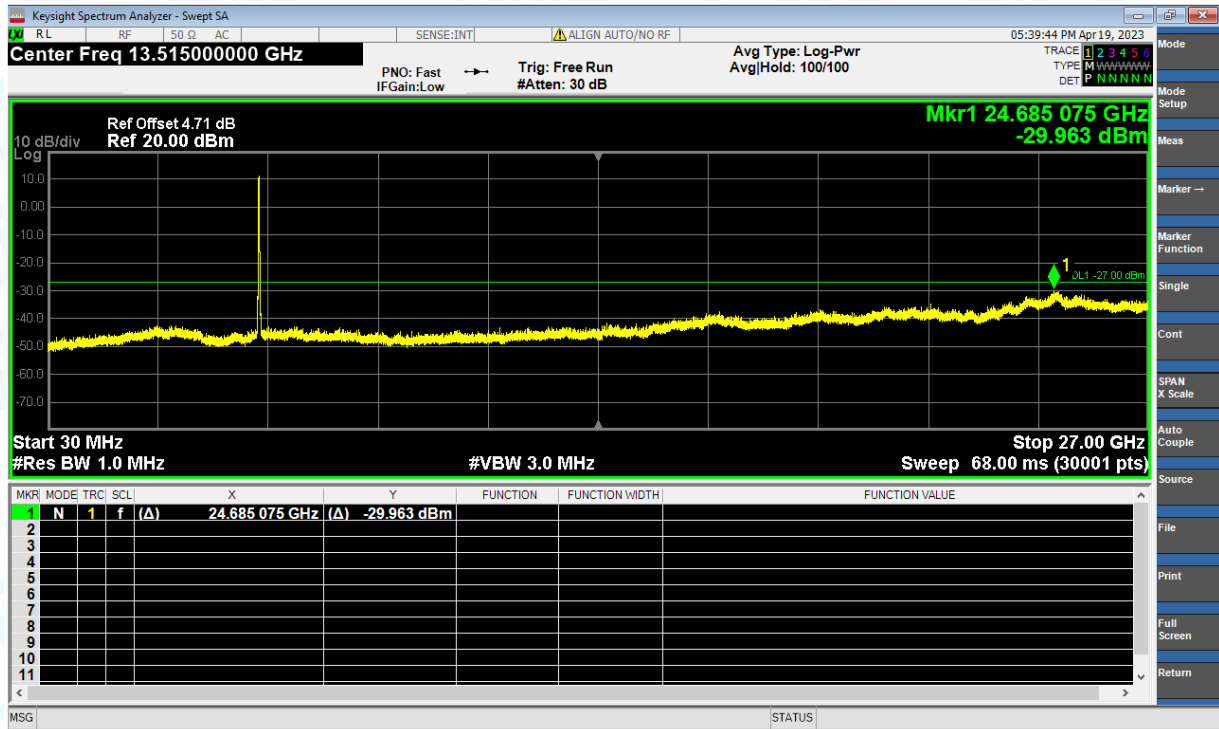
Tx. Spurious NVNT a 5240MHz Ant1 Emission



Tx. Spurious NVNT ac(VHT20) 5180MHz Ant1 Emission



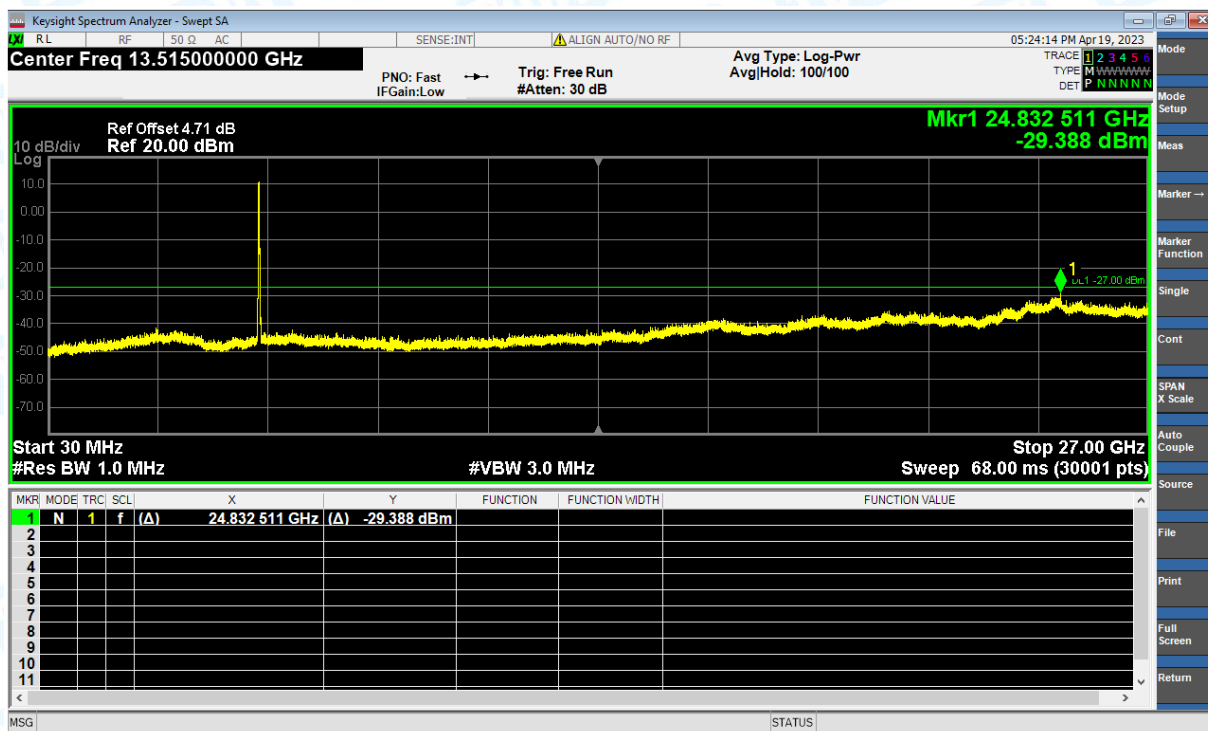
Tx. Spurious NVNT ac(VHT20) 5200MHz Ant1 Emission



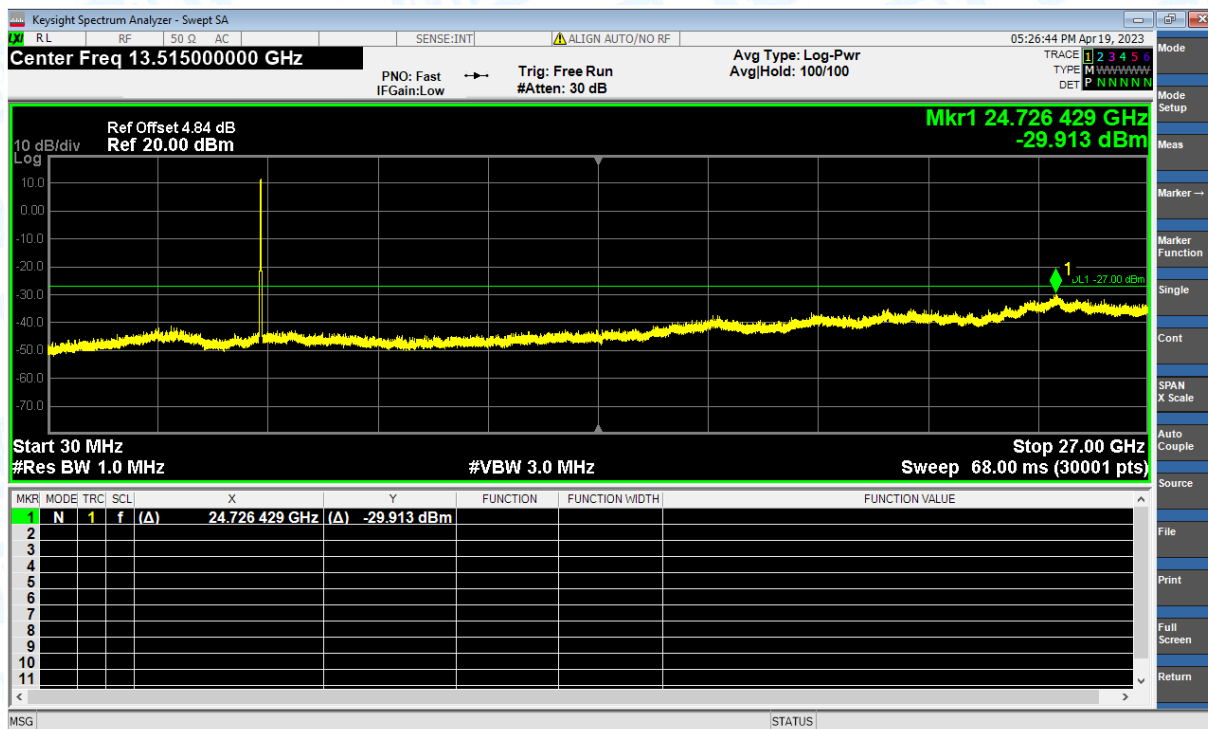
Tx. Spurious NVNT n(HT20) 5180MHz Ant1 Emission



Tx. Spurious NVNT n(HT20) 5200MHz Ant1 Emission



Tx. Spurious NVNT n(HT20) 5240MHz Ant1 Emission



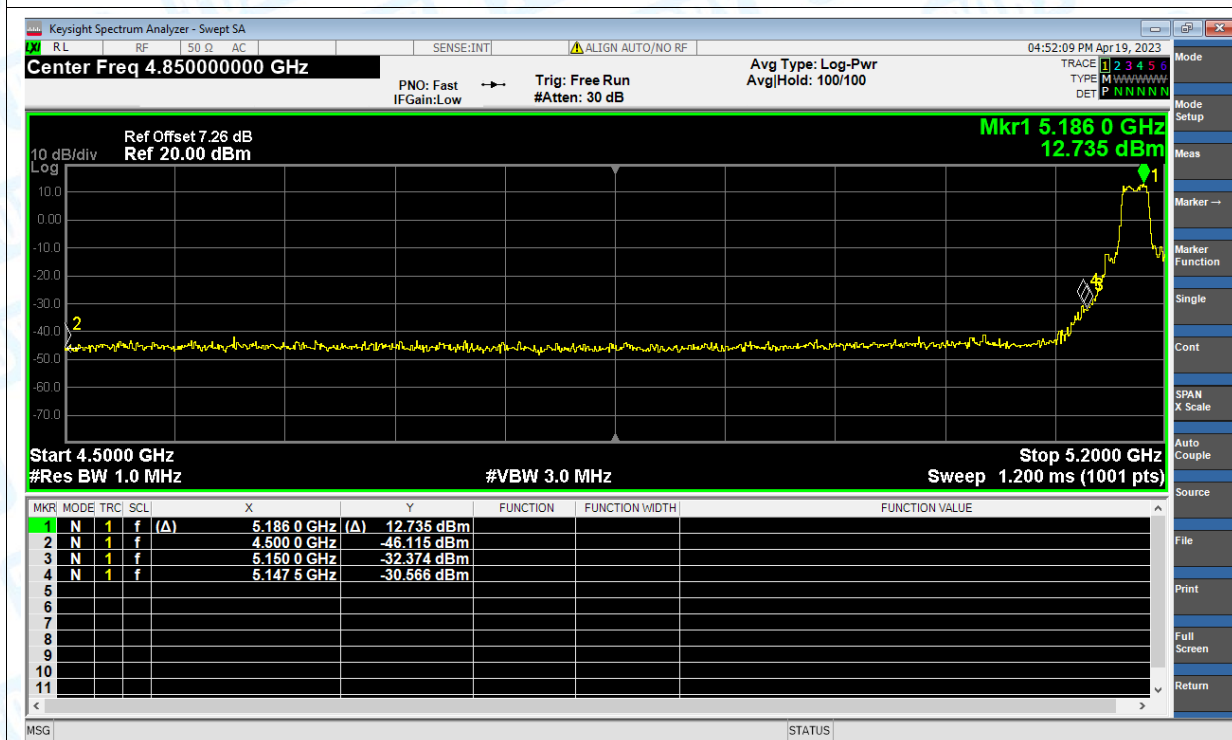
8. Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-46.12	2.44	51.55	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-56.07	2.44	41.6	Average	54	Pass
NVNT	a	5180	Ant1	5147.5	-30.57	2.44	67.1	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-46.67	2.44	51	Average	54	Pass
NVNT	a	5180	Ant1	5150	-32.37	2.44	65.3	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-45.98	2.44	51.69	Average	54	Pass
NVNT	a	5240	Ant1	5350	-43.55	2.44	54.12	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-54.83	2.44	42.84	Average	54	Pass
NVNT	a	5240	Ant1	5401.92	-40.51	2.44	57.16	Peak	68.2	Pass
NVNT	a	5240	Ant1	5404.08	-54.62	2.44	43.05	Average	54	Pass
NVNT	a	5240	Ant1	5460	-44.28	2.44	53.39	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-54.99	2.44	42.68	Average	54	Pass
NVNT	ac(VHT20)	5180	Ant1	4500	-45.79	2.44	51.88	Peak	68.2	Pass
NVNT	ac(VHT20)	5180	Ant1	4500	-56.09	2.44	41.58	Average	54	Pass
NVNT	ac(VHT20)	5180	Ant1	5149.6	-30.54	2.44	67.13	Peak	68.2	Pass
NVNT	ac(VHT20)	5180	Ant1	5149.6	-46.2	2.44	51.47	Average	54	Pass
NVNT	ac(VHT20)	5180	Ant1	5150	-31.96	2.44	65.71	Peak	68.2	Pass
NVNT	ac(VHT20)	5180	Ant1	5150	-45.7	2.44	51.97	Average	54	Pass
NVNT	ac(VHT20)	5240	Ant1	5350	-46.17	2.44	51.5	Peak	68.2	Pass
NVNT	ac(VHT20)	5240	Ant1	5350	-54.8	2.44	42.87	Average	54	Pass
NVNT	ac(VHT20)	5240	Ant1	5406	-42.41	2.44	55.26	Peak	68.2	Pass
NVNT	ac(VHT20)	5240	Ant1	5394	-54.61	2.44	43.06	Average	54	Pass
NVNT	ac(VHT20)	5240	Ant1	5460	-45.06	2.44	52.61	Peak	68.2	Pass
NVNT	ac(VHT20)	5240	Ant1	5460	-54.92	2.44	42.75	Average	54	Pass
NVNT	ac(VHT40)	5190	Ant1	4500	-45.21	2.44	52.46	Peak	68.2	Pass
NVNT	ac(VHT40)	5190	Ant1	4500	-56.11	2.44	41.56	Average	54	Pass
NVNT	ac(VHT40)	5190	Ant1	5145.32	-33.33	2.44	64.34	Peak	68.2	Pass
NVNT	ac(VHT40)	5190	Ant1	5149.7	-48.04	2.44	49.63	Average	54	Pass
NVNT	ac(VHT40)	5190	Ant1	5150	-35.13	2.44	62.54	Peak	68.2	Pass
NVNT	ac(VHT40)	5190	Ant1	5150	-47.84	2.44	49.83	Average	54	Pass
NVNT	ac(VHT40)	5230	Ant1	5350	-44.07	2.44	53.6	Peak	68.2	Pass
NVNT	ac(VHT40)	5230	Ant1	5350	-54.96	2.44	42.71	Average	54	Pass
NVNT	ac(VHT40)	5230	Ant1	5359.83	-42.43	2.44	55.24	Peak	68.2	Pass
NVNT	ac(VHT40)	5230	Ant1	5456.76	-54.81	2.44	42.86	Average	54	Pass
NVNT	ac(VHT40)	5230	Ant1	5460	-45.72	2.44	51.95	Peak	68.2	Pass
NVNT	ac(VHT40)	5230	Ant1	5460	-54.85	2.44	42.82	Average	54	Pass
NVNT	ac(VHT80)	5210	Ant1	4500	-46.19	2.44	51.48	Peak	68.2	Pass
NVNT	ac(VHT80)	5210	Ant1	4500	-56.11	2.44	41.56	Average	54	Pass
NVNT	ac(VHT80)	5210	Ant1	5148.59	-33.67	2.44	64	Peak	68.2	Pass
NVNT	ac(VHT80)	5210	Ant1	5147.8	-48.07	2.44	49.6	Average	54	Pass
NVNT	ac(VHT80)	5210	Ant1	5150	-36.31	2.44	61.36	Peak	68.2	Pass
NVNT	ac(VHT80)	5210	Ant1	5150	-47.88	2.44	49.79	Average	54	Pass

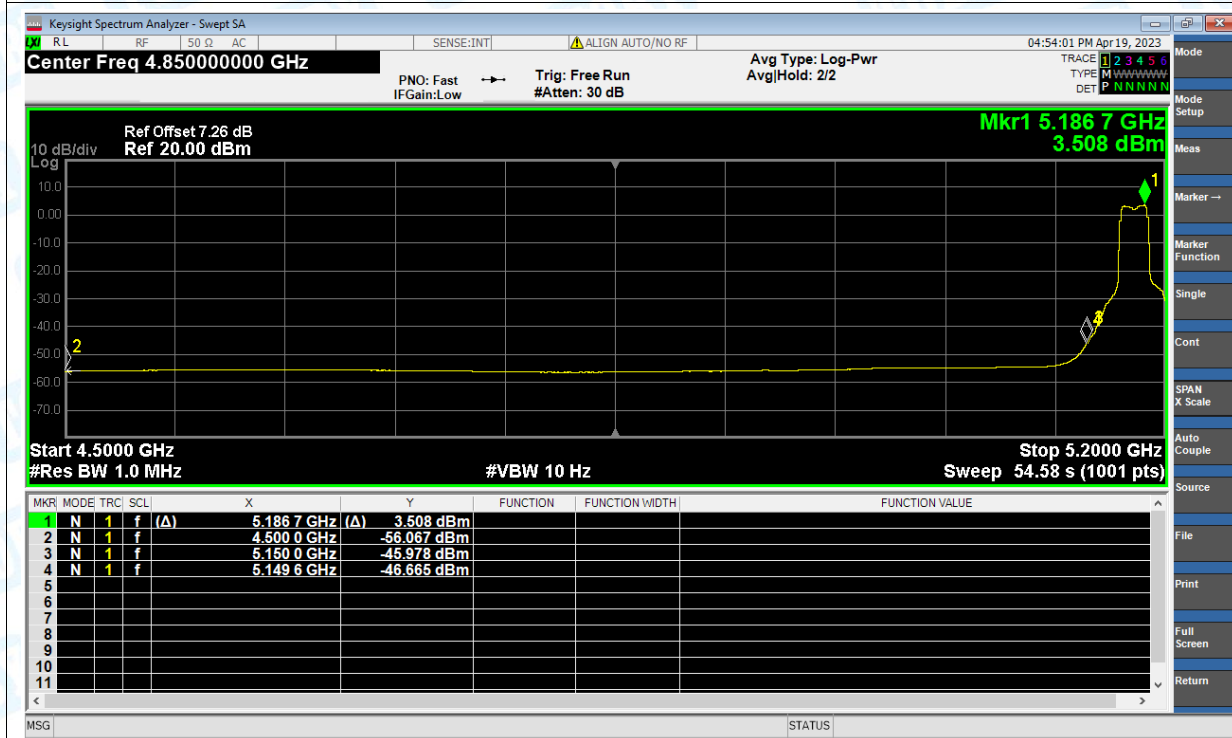
NVNT	n(HT20)	5180	Ant1	4500	-46.71	2.44	50.96	Peak	68.2	Pass
NVNT	n(HT20)	5180	Ant1	4500	-56.07	2.44	41.6	Average	54	Pass
NVNT	n(HT20)	5180	Ant1	5146.8	-30.75	2.44	66.92	Peak	68.2	Pass
NVNT	n(HT20)	5180	Ant1	5149.6	-46.43	2.44	51.24	Average	54	Pass
NVNT	n(HT20)	5180	Ant1	5150	-31.46	2.44	66.21	Peak	68.2	Pass
NVNT	n(HT20)	5180	Ant1	5150	-45.98	2.44	51.69	Average	54	Pass
NVNT	n(HT20)	5240	Ant1	5350	-44.46	2.44	53.21	Peak	68.2	Pass
NVNT	n(HT20)	5240	Ant1	5350	-54.84	2.44	42.83	Average	54	Pass
NVNT	n(HT20)	5240	Ant1	5394.96	-41.59	2.44	56.08	Peak	68.2	Pass
NVNT	n(HT20)	5240	Ant1	5403.84	-54.61	2.44	43.06	Average	54	Pass
NVNT	n(HT20)	5240	Ant1	5460	-44.68	2.44	52.99	Peak	68.2	Pass
NVNT	n(HT20)	5240	Ant1	5460	-54.95	2.44	42.72	Average	54	Pass
NVNT	n(HT40)	5190	Ant1	4500	-45.53	2.44	52.14	Peak	68.2	Pass
NVNT	n(HT40)	5190	Ant1	4500	-56.08	2.44	41.59	Average	54	Pass
NVNT	n(HT40)	5190	Ant1	5144.59	-30.89	2.44	66.78	Peak	68.2	Pass
NVNT	n(HT40)	5190	Ant1	5149.7	-45.7	2.44	51.97	Average	54	Pass
NVNT	n(HT40)	5190	Ant1	5150	-31.44	2.44	66.23	Peak	68.2	Pass
NVNT	n(HT40)	5190	Ant1	5150	-45.12	2.44	52.55	Average	54	Pass
NVNT	n(HT40)	5230	Ant1	5350	-45.68	2.44	51.99	Peak	68.2	Pass
NVNT	n(HT40)	5230	Ant1	5350	-54.91	2.44	42.76	Average	54	Pass
NVNT	n(HT40)	5230	Ant1	5418.96	-41.83	2.44	55.84	Peak	68.2	Pass
NVNT	n(HT40)	5230	Ant1	5455.14	-54.78	2.44	42.89	Average	54	Pass
NVNT	n(HT40)	5230	Ant1	5460	-45.23	2.44	52.44	Peak	68.2	Pass
NVNT	n(HT40)	5230	Ant1	5460	-54.81	2.44	42.86	Average	54	Pass

Test Graphs

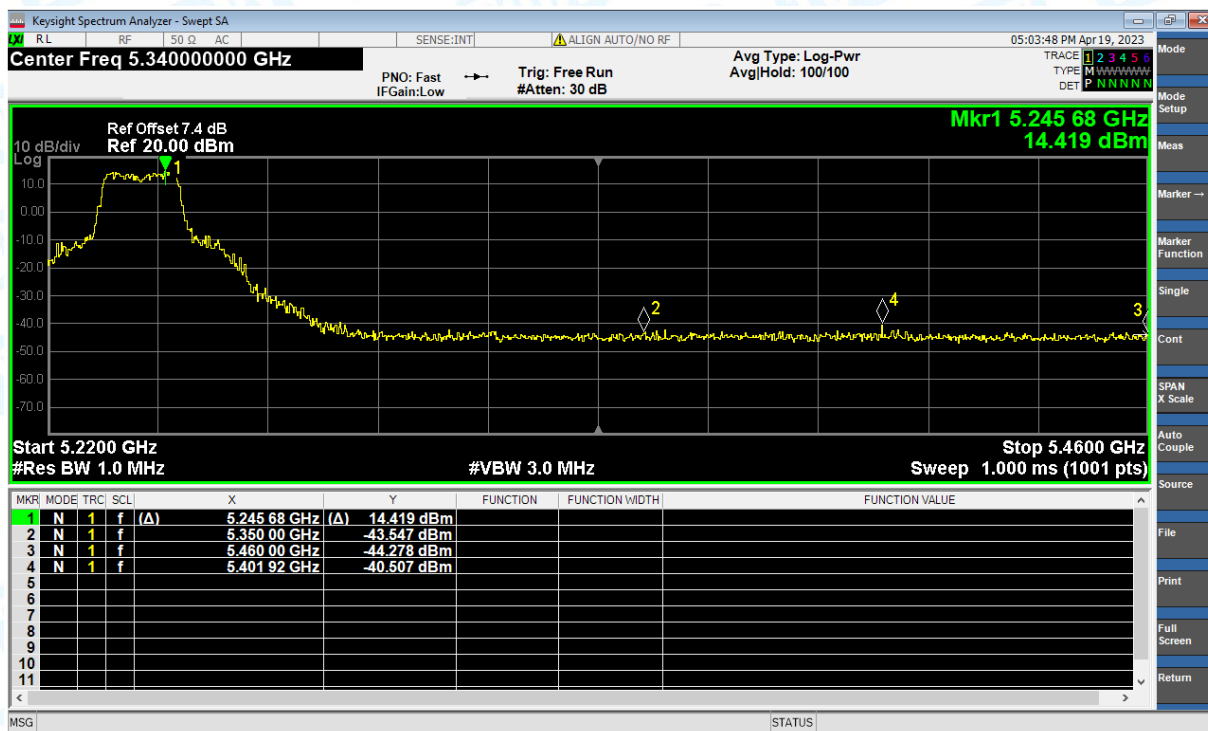
Restrict Band NVNT a 5180MHz Ant1 Peak



Restrict Band NVNT a 5180MHz Ant1 Average



Restrict Band NVNT a 5240MHz Ant1 Peak



Restrict Band NVNT a 5240MHz Ant1 Average

