

RF Test Data for 2.4G WiFi (Conducted Measurements)

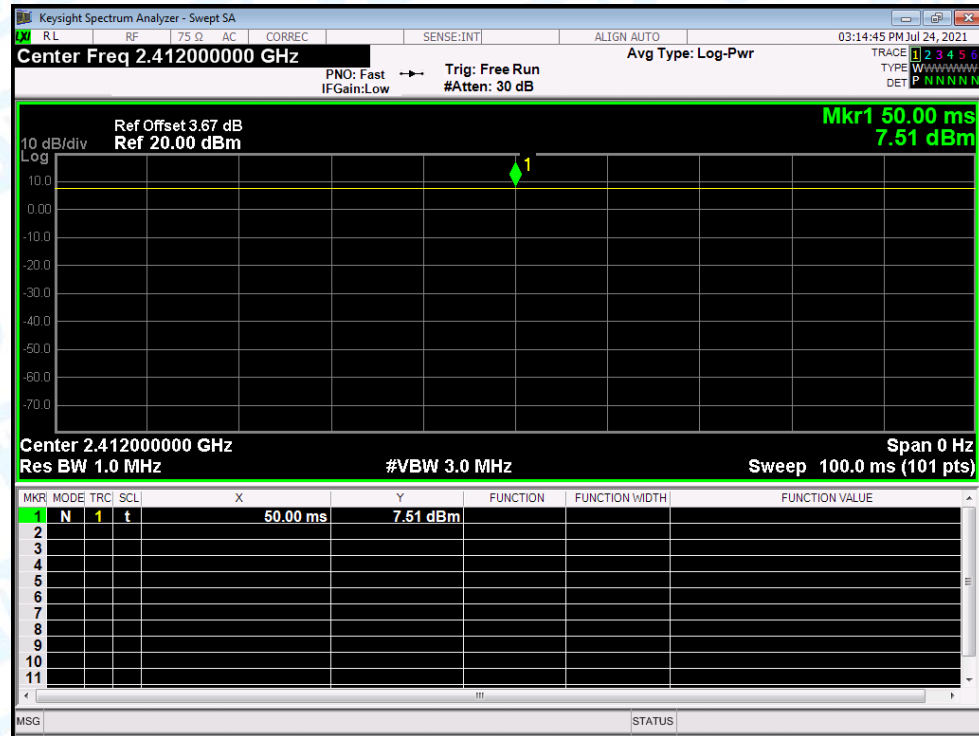
General Description of EUT	
Product Name:	Tablet PC
Test Model:	IT-801
Sample ID:	20210630-05-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 5V
Test Engineer:	HeJingchang
Note: For a more detailed features description, please refer to the report TB-FCC182668.	

1.Duty Cycle

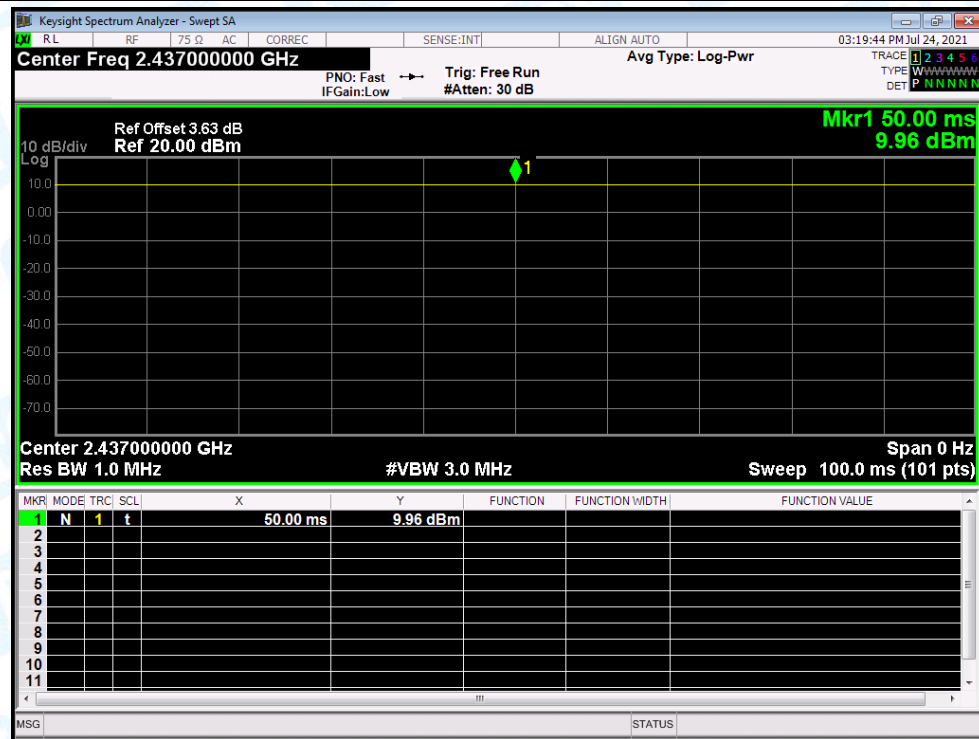
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	100	0	0
NVNT	b	2437	Ant1	100	0	0
NVNT	b	2462	Ant1	100	0	0
NVNT	g	2412	Ant1	100	0	0
NVNT	g	2437	Ant1	100	0	0
NVNT	g	2462	Ant1	100	0	0
NVNT	n(HT20)	2412	Ant1	100	0	0
NVNT	n(HT20)	2437	Ant1	100	0	0
NVNT	n(HT20)	2462	Ant1	99.01	0.04	0
NVNT	n(HT40)	2422	Ant1	100	0	0
NVNT	n(HT40)	2437	Ant1	100	0	0
NVNT	n(HT40)	2452	Ant1	100	0	0

Test Graphs

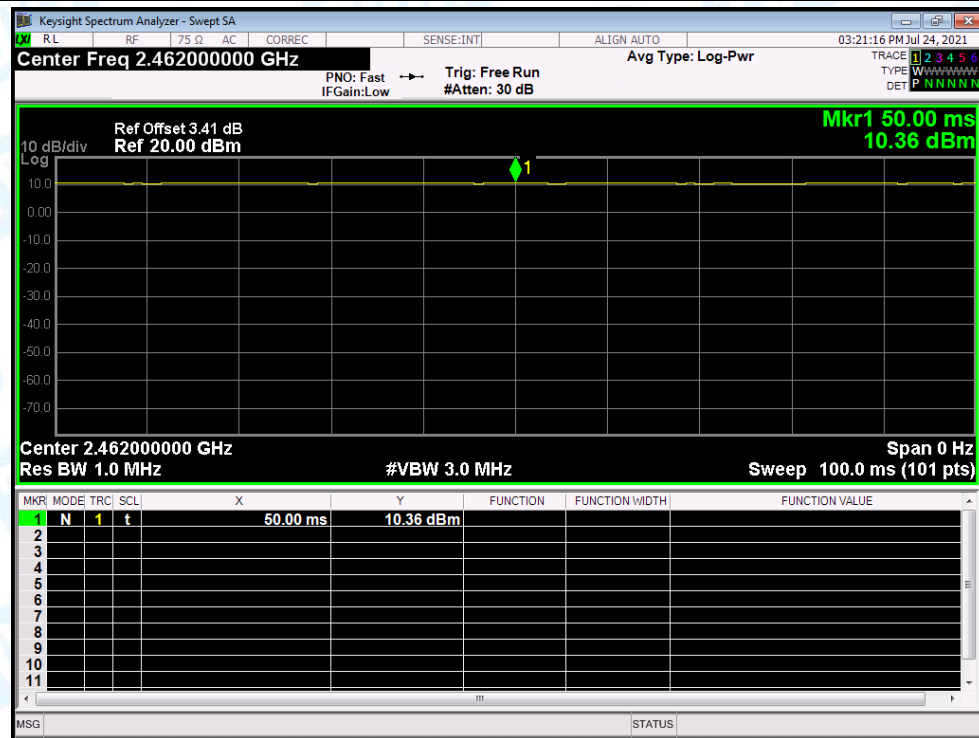
Duty Cycle NVNT b 2412MHz Ant1



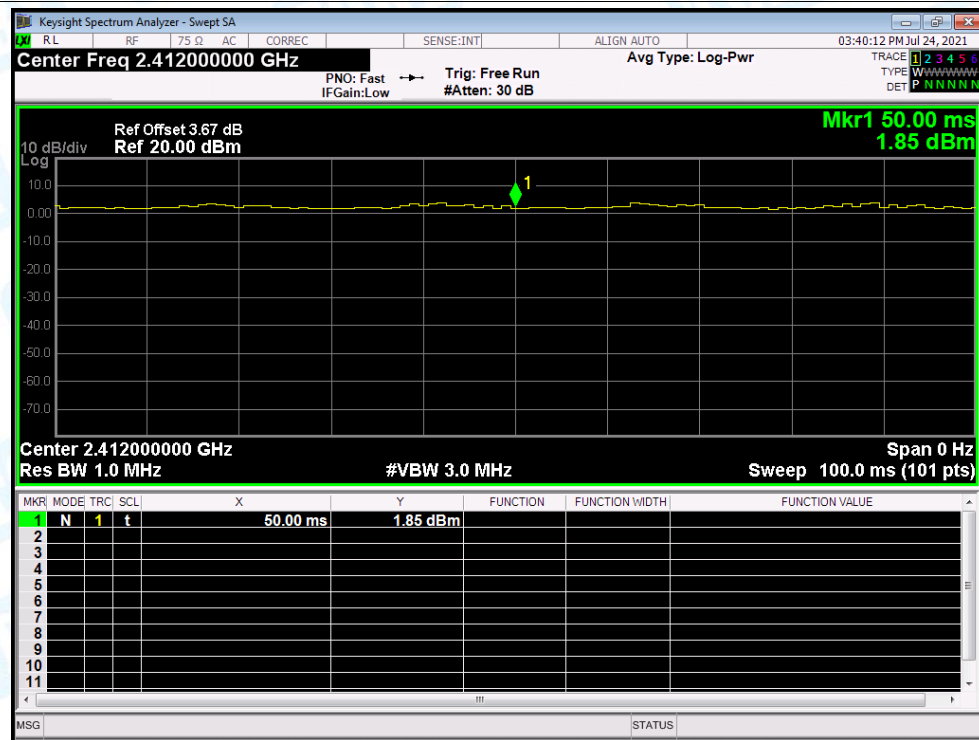
Duty Cycle NVNT b 2437MHz Ant1



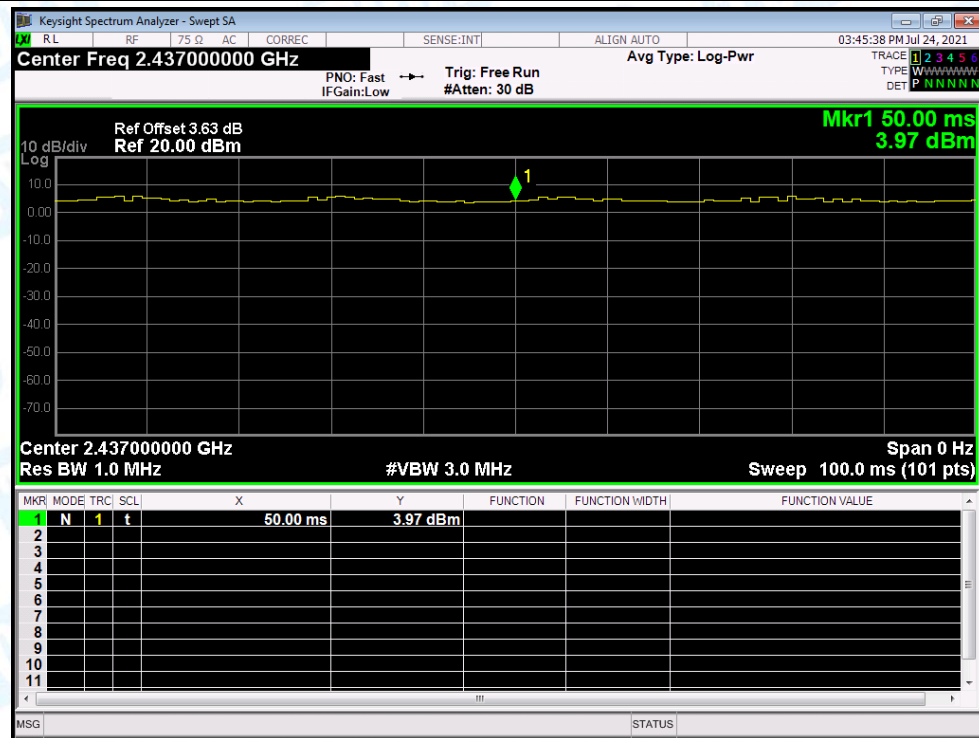
Duty Cycle NVNT b 2462MHz Ant1



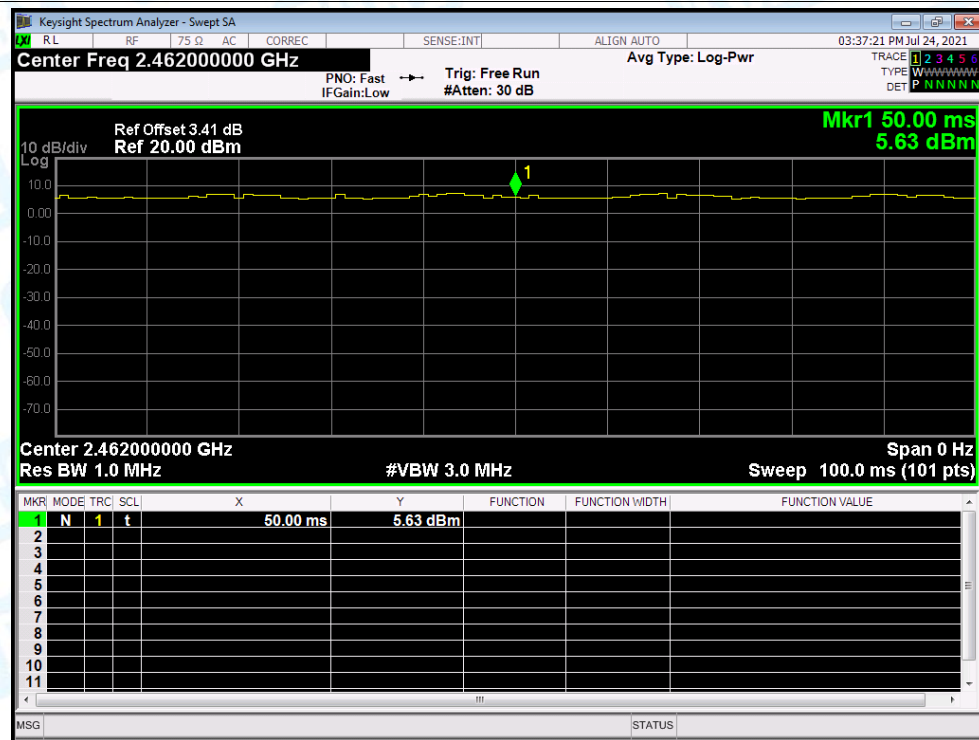
Duty Cycle NVNT g 2412MHz Ant1



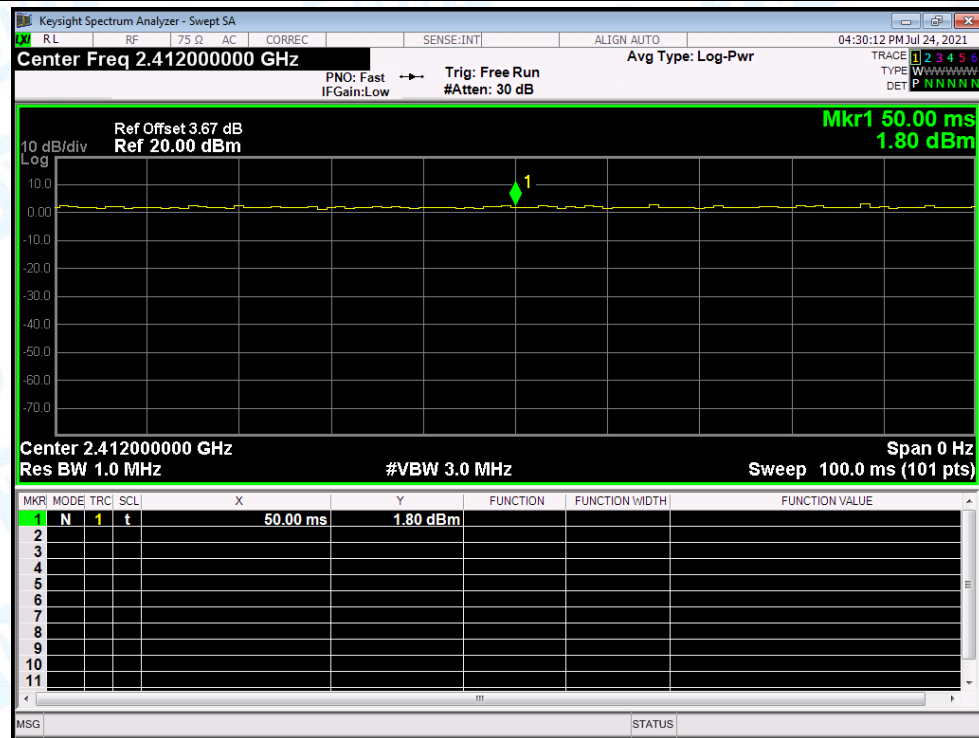
Duty Cycle NVNT g 2437MHz Ant1



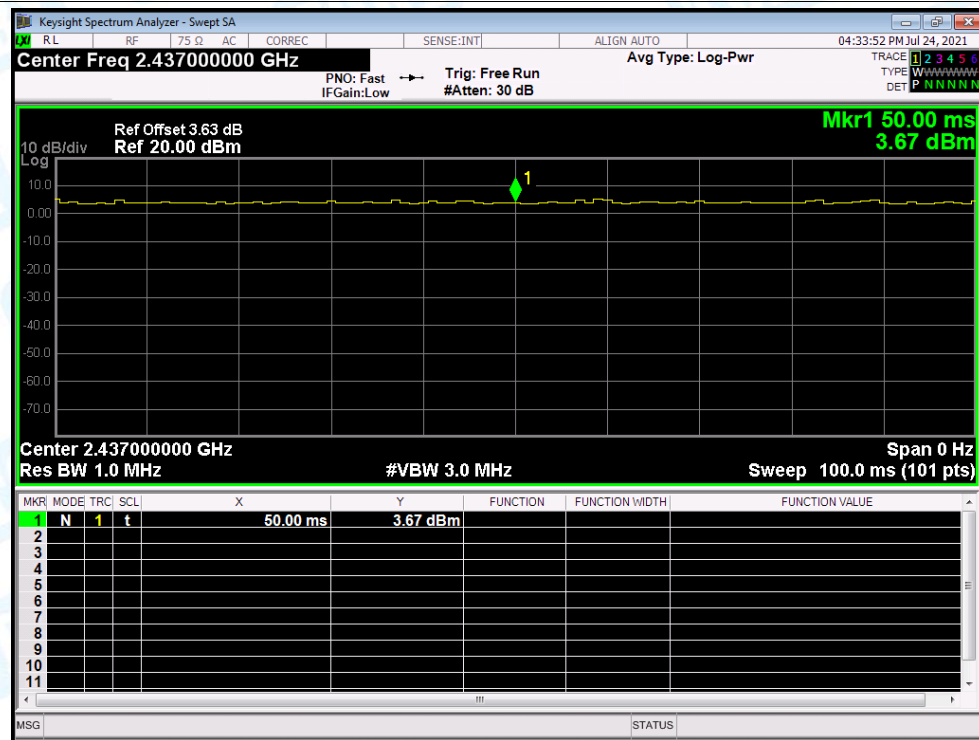
Duty Cycle NVNT g 2462MHz Ant1



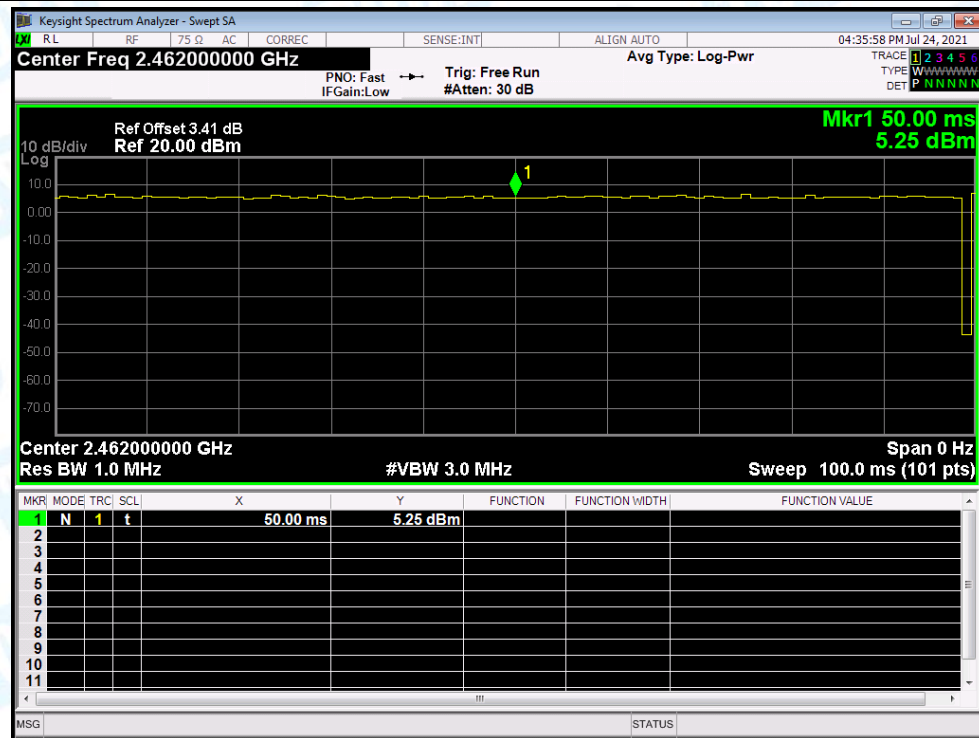
Duty Cycle NVNT n(HT20) 2412MHz Ant1



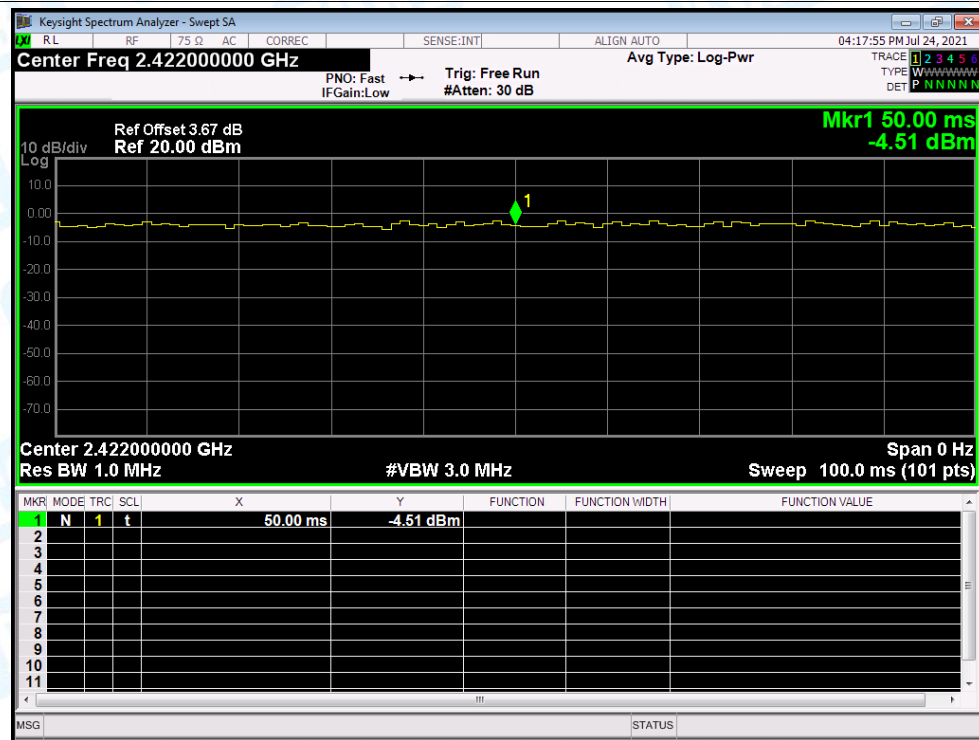
Duty Cycle NVNT n(HT20) 2437MHz Ant1



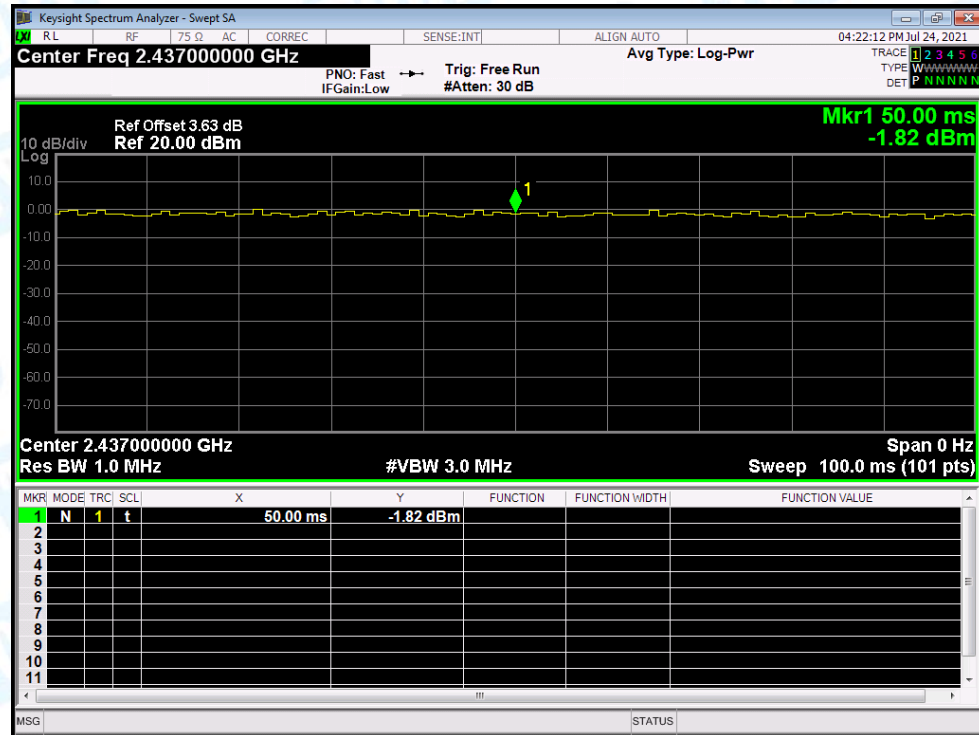
Duty Cycle NVNT n(HT20) 2462MHz Ant1



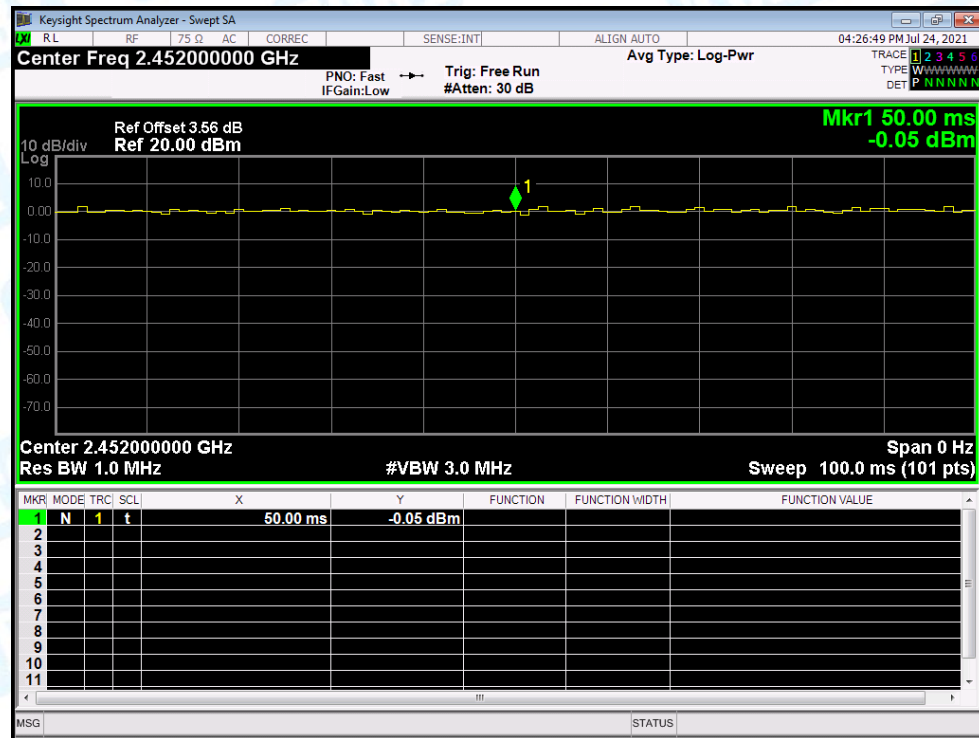
Duty Cycle NVNT n(HT40) 2422MHz Ant1



Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



2.Maximum Conducted Output Power

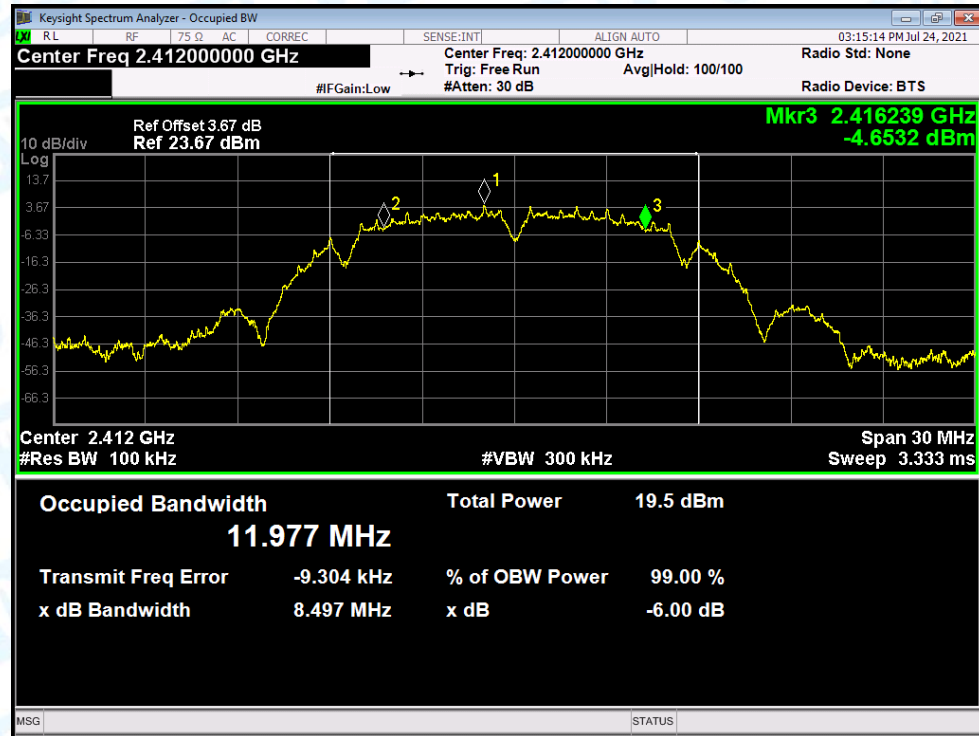
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	7.537	30	Pass
NVNT	b	2437	Ant1	7.129	30	Pass
NVNT	b	2462	Ant1	7.516	30	Pass
NVNT	g	2412	Ant1	7.603	30	Pass
NVNT	g	2437	Ant1	7.186	30	Pass
NVNT	g	2462	Ant1	7.473	30	Pass
NVNT	n(HT20)	2412	Ant1	7.94	30	Pass
NVNT	n(HT20)	2437	Ant1	7.458	30	Pass
NVNT	n(HT20)	2462	Ant1	7.752	30	Pass
NVNT	n(HT40)	2422	Ant1	7.731	30	Pass
NVNT	n(HT40)	2437	Ant1	7.403	30	Pass
NVNT	n(HT40)	2452	Ant1	7.05	30	Pass

3.-6dB Bandwidth

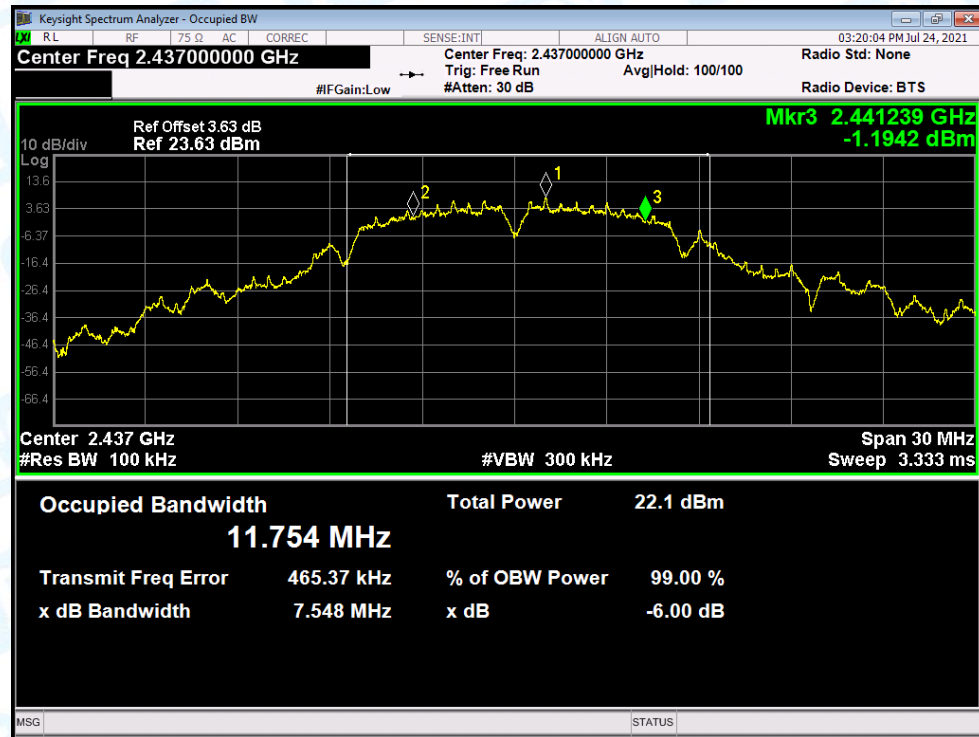
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.497	0.5	Pass
NVNT	b	2437	Ant1	7.548	0.5	Pass
NVNT	b	2462	Ant1	9.063	0.5	Pass
NVNT	g	2412	Ant1	16.41	0.5	Pass
NVNT	g	2437	Ant1	16.437	0.5	Pass
NVNT	g	2462	Ant1	16.351	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.629	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.177	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.582	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.729	0.5	Pass
NVNT	n(HT40)	2437	Ant1	31.502	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.046	0.5	Pass

Test Graphs

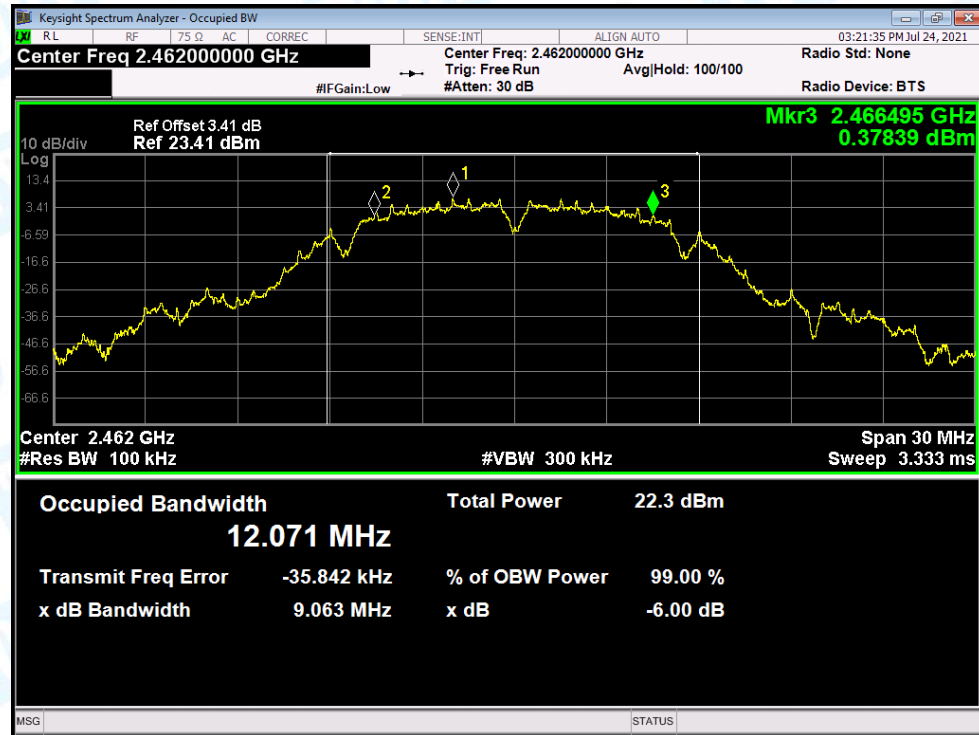
-6dB Bandwidth NVNT b 2412MHz Ant1



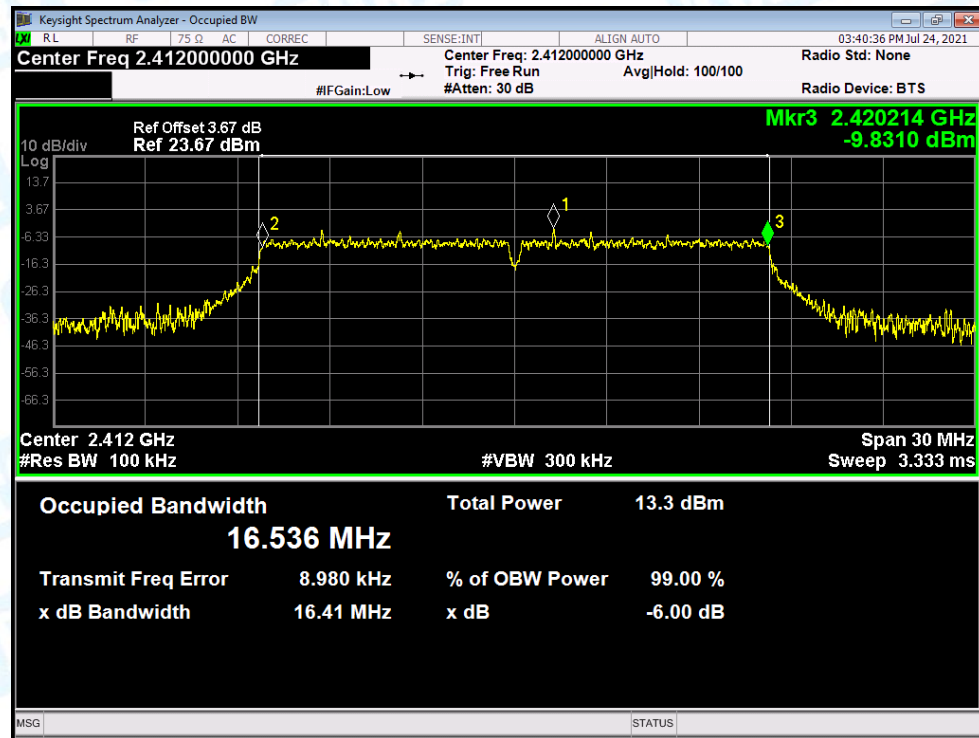
-6dB Bandwidth NVNT b 2437MHz Ant1



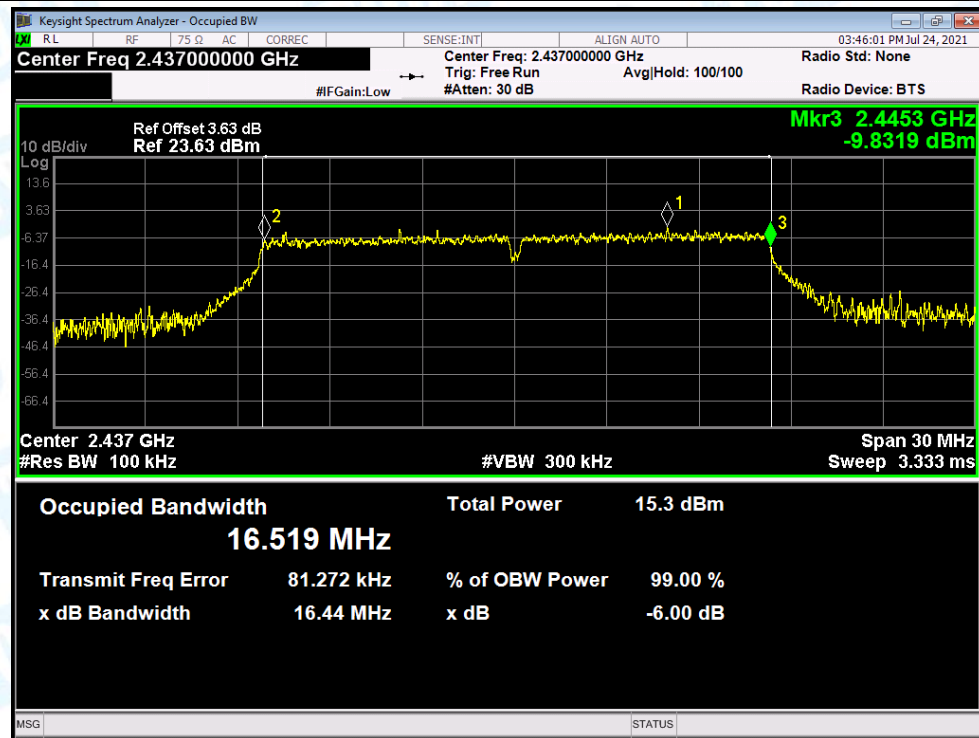
-6dB Bandwidth NVNT b 2462MHz Ant1



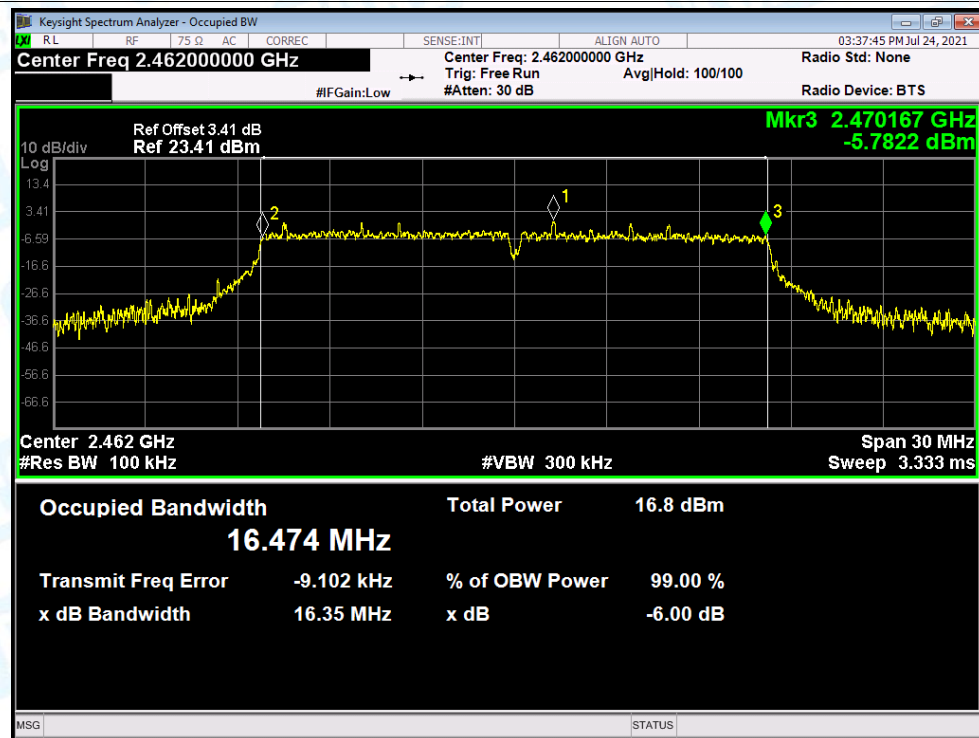
-6dB Bandwidth NVNT g 2412MHz Ant1



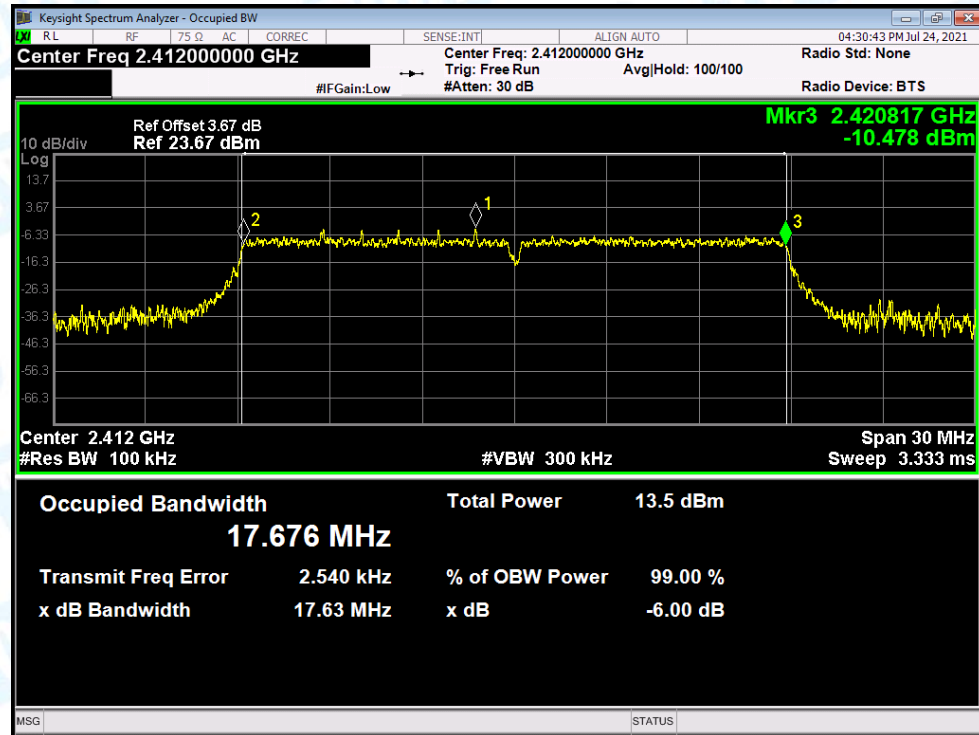
-6dB Bandwidth NVNT g 2437MHz Ant1



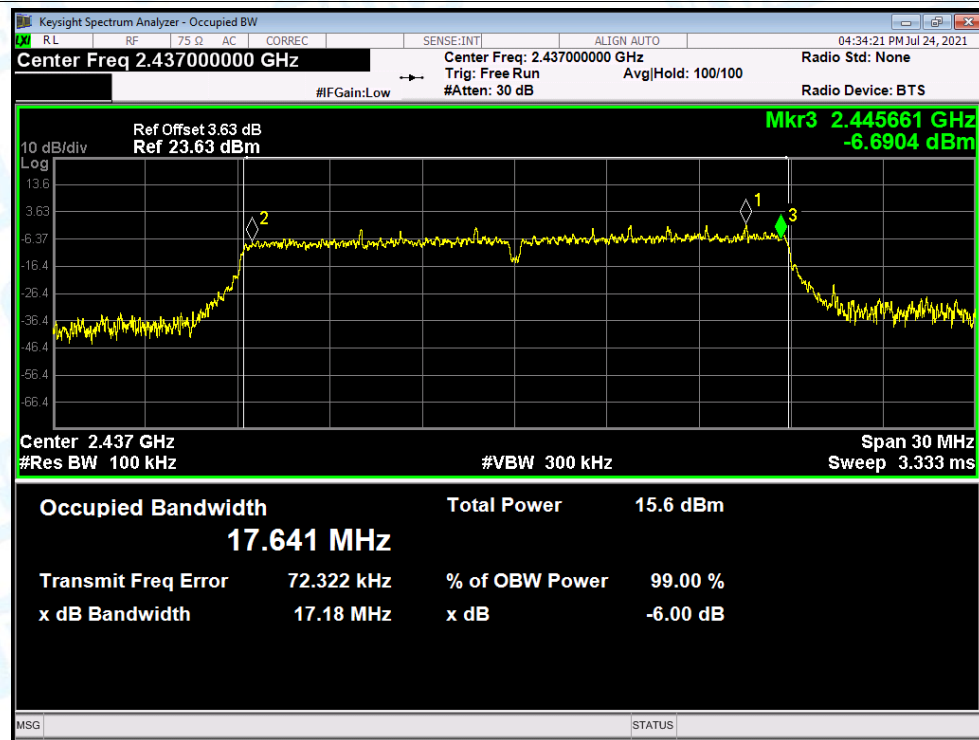
-6dB Bandwidth NVNT g 2462MHz Ant1



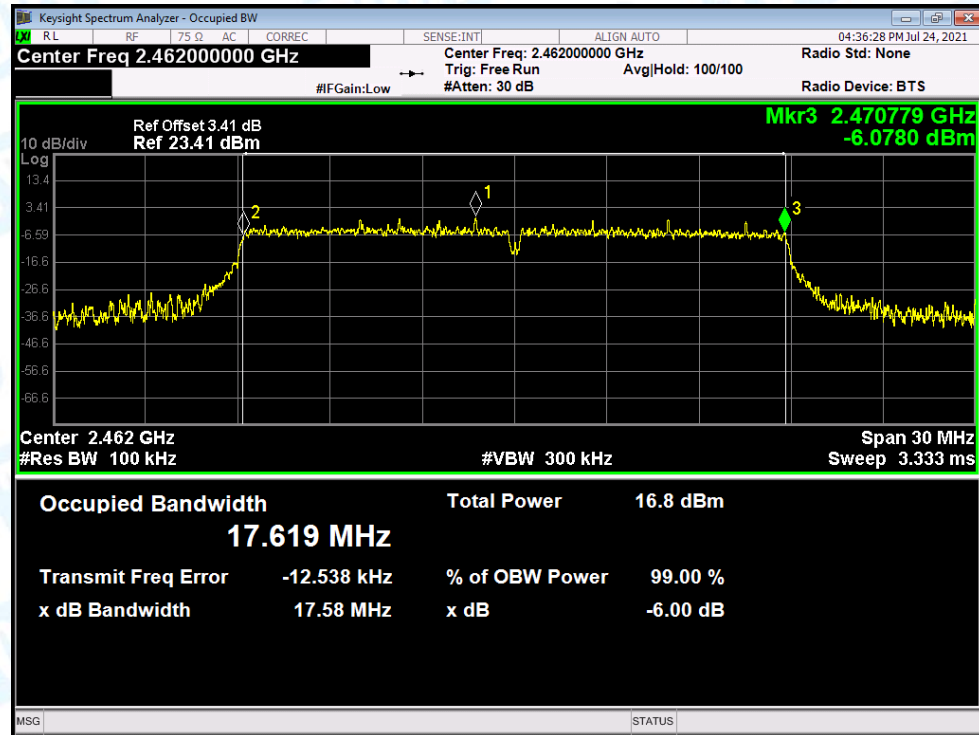
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



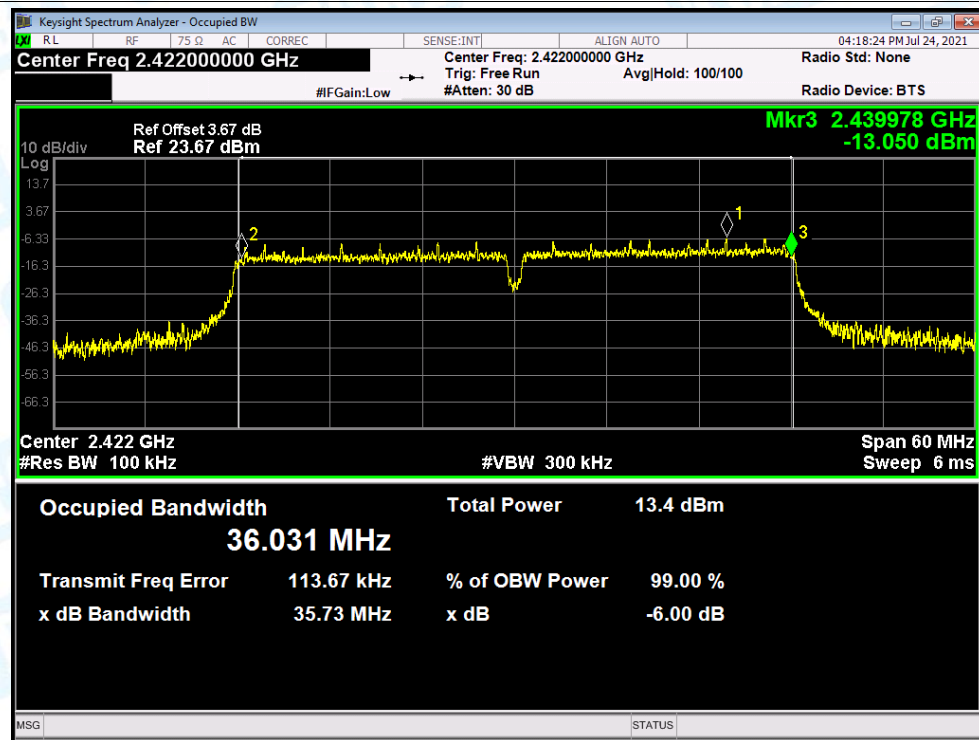
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



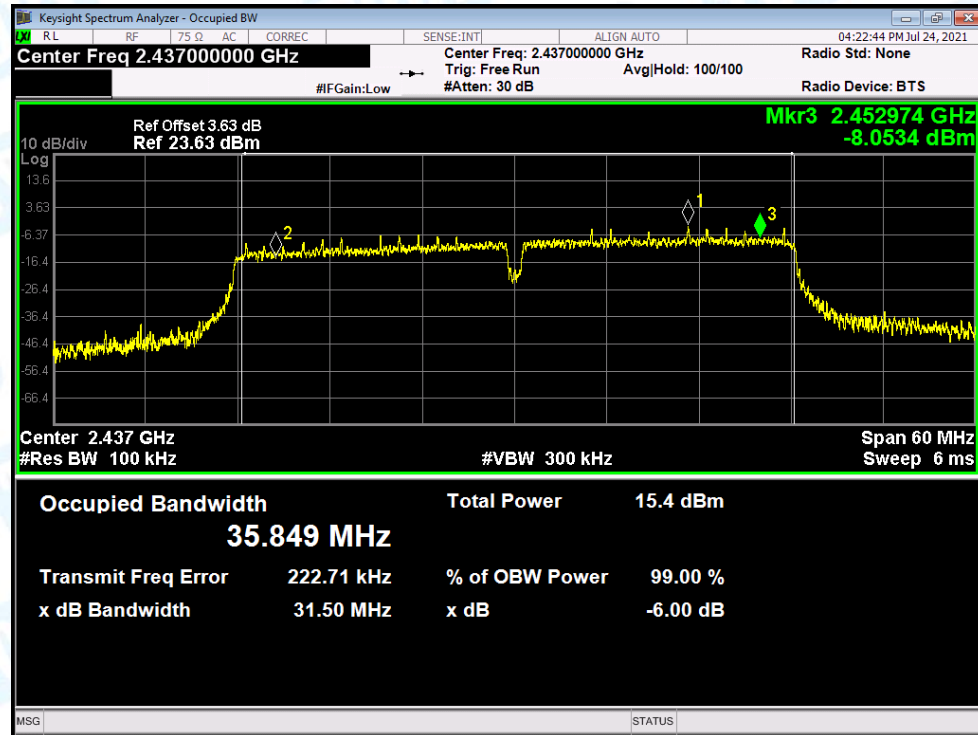
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



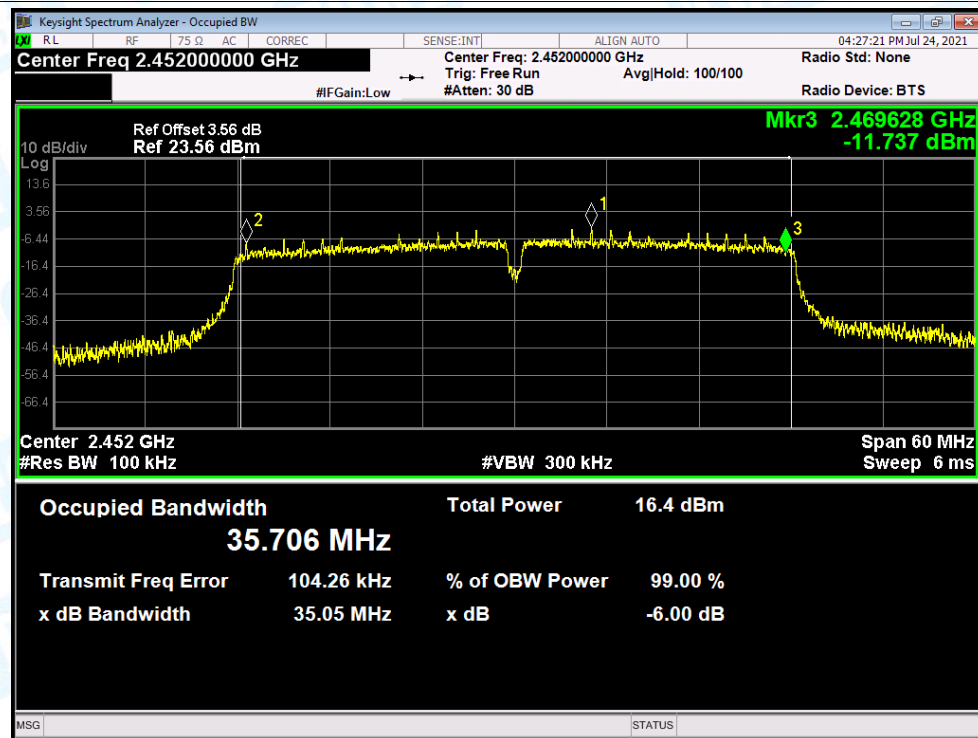
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1

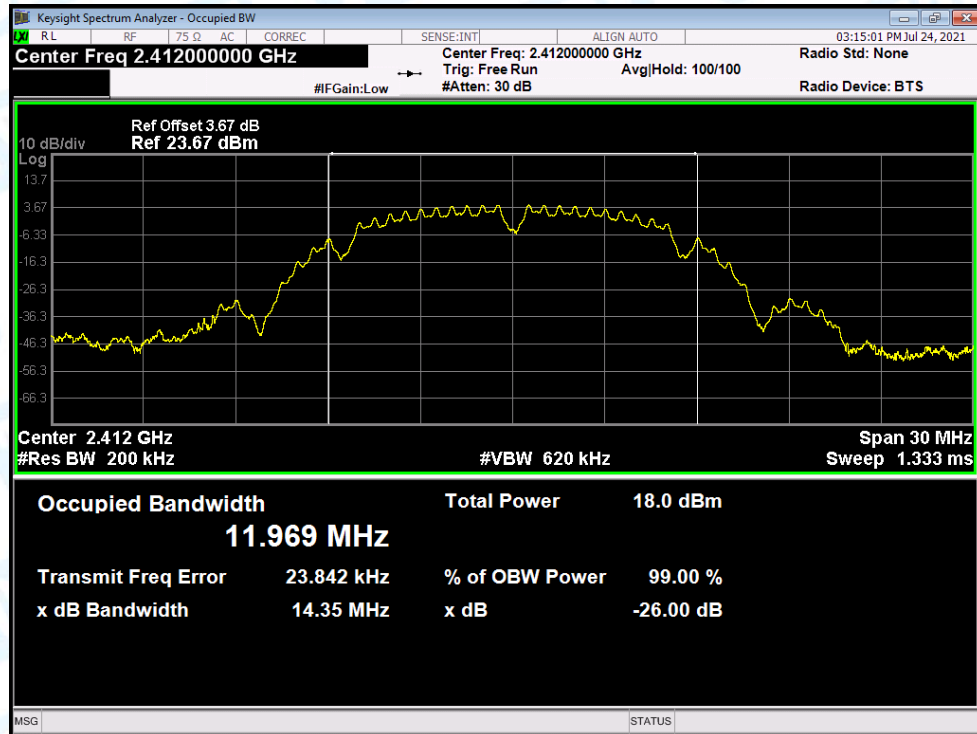


4.Occupied Channel Bandwidth

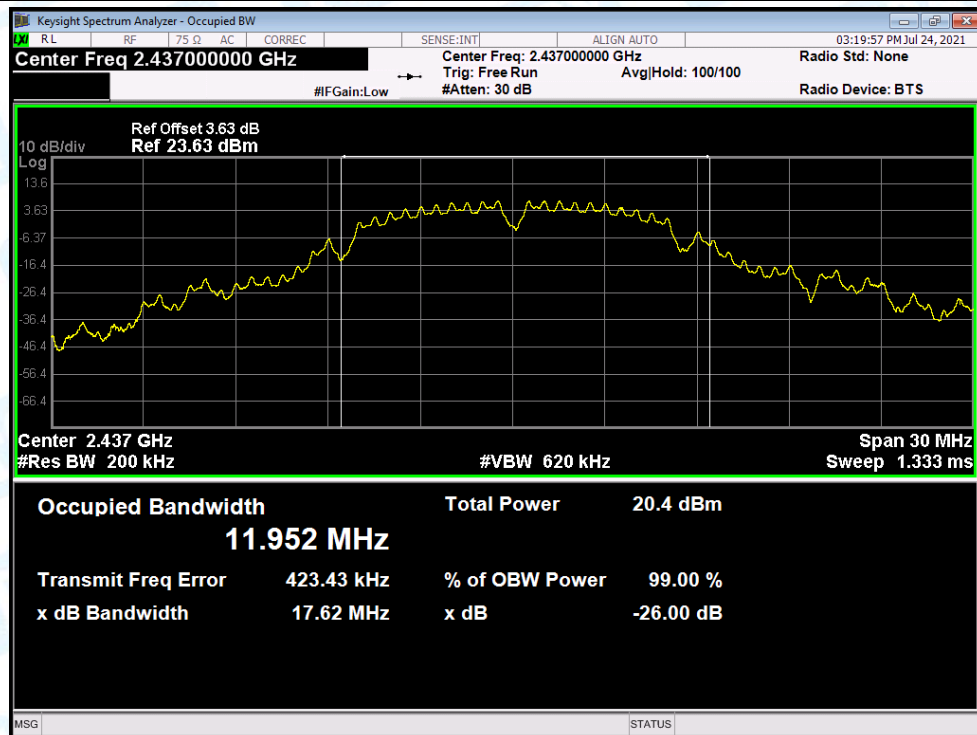
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	11.96871091
NVNT	b	2437	Ant1	11.95167284
NVNT	b	2462	Ant1	12.05712484
NVNT	g	2412	Ant1	16.67356982
NVNT	g	2437	Ant1	16.66245385
NVNT	g	2462	Ant1	16.61430198
NVNT	n(HT20)	2412	Ant1	17.73989473
NVNT	n(HT20)	2437	Ant1	17.69823737
NVNT	n(HT20)	2462	Ant1	17.68128147
NVNT	n(HT40)	2422	Ant1	36.16611487
NVNT	n(HT40)	2437	Ant1	35.94379655
NVNT	n(HT40)	2452	Ant1	35.77226005

Test Graphs

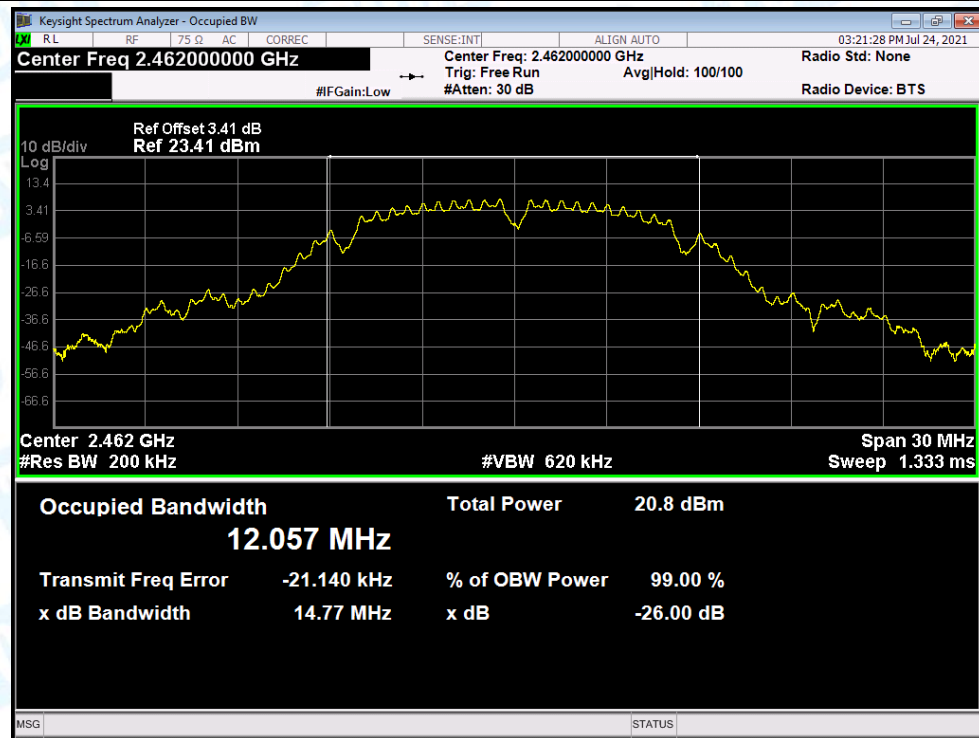
OBW NVNT b 2412MHz Ant1



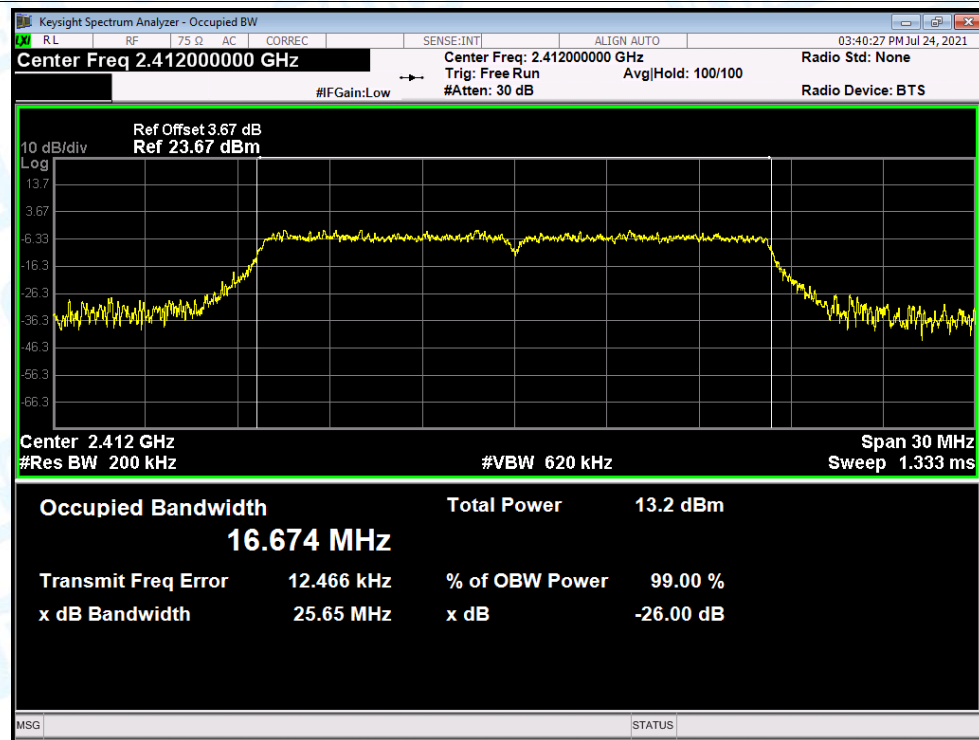
OBW NVNT b 2437MHz Ant1



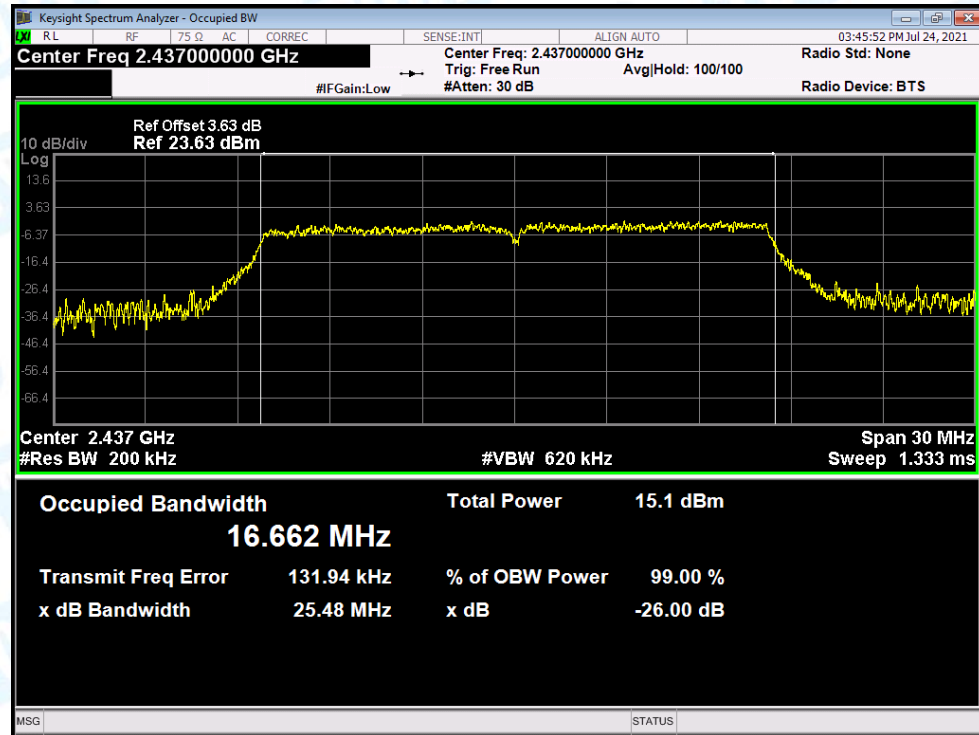
OBW NVNT b 2462MHz Ant1



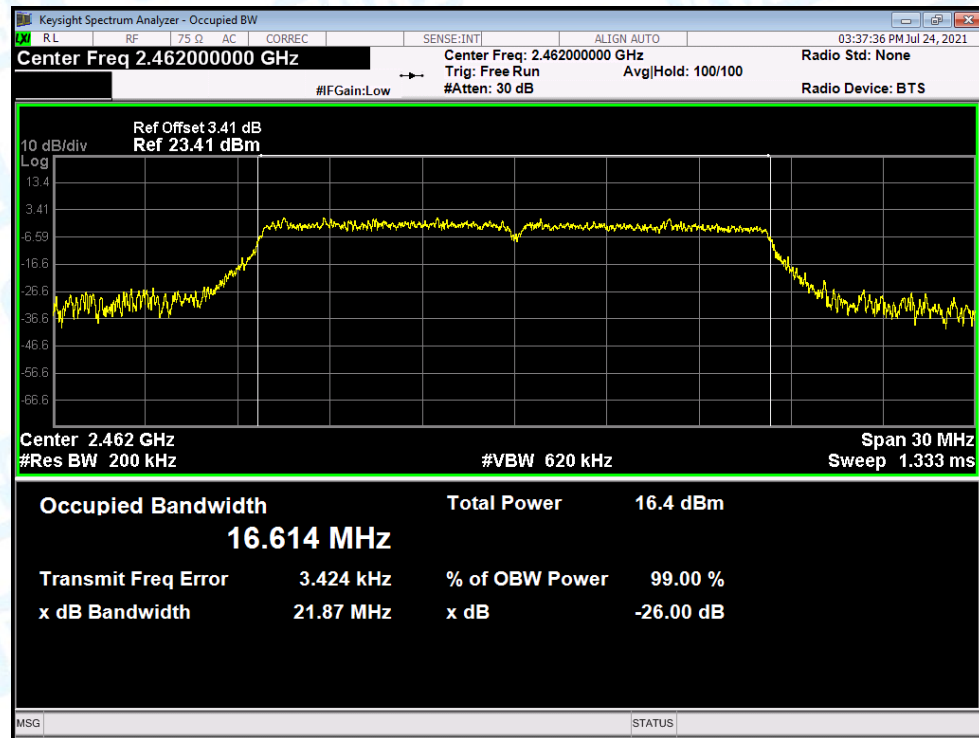
OBW NVNT g 2412MHz Ant1



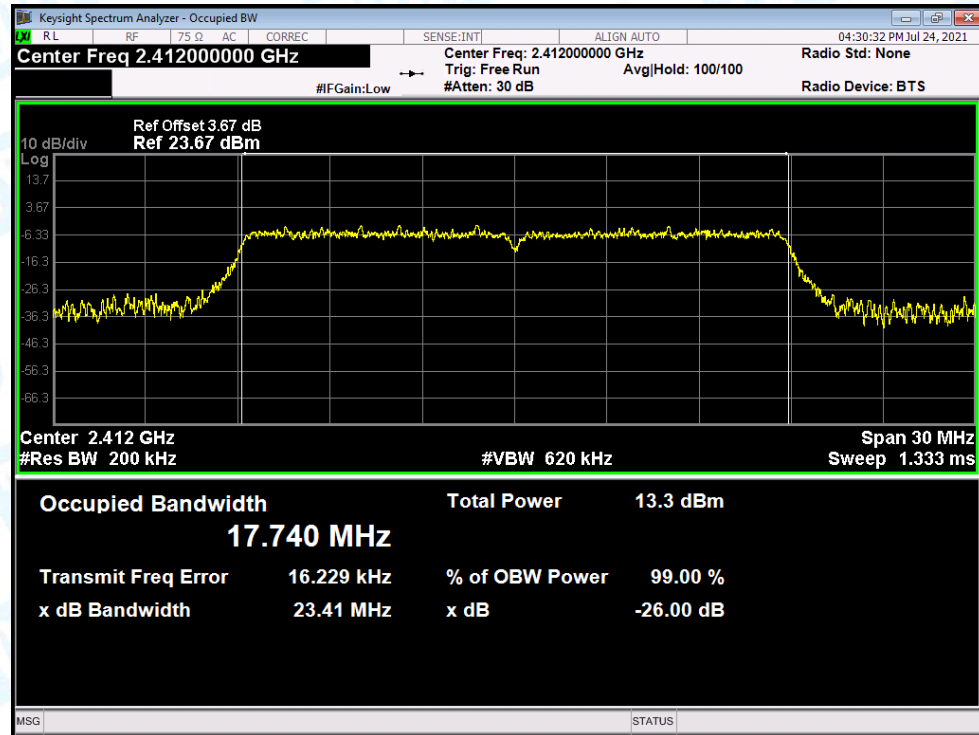
OBW NVNT g 2437MHz Ant1



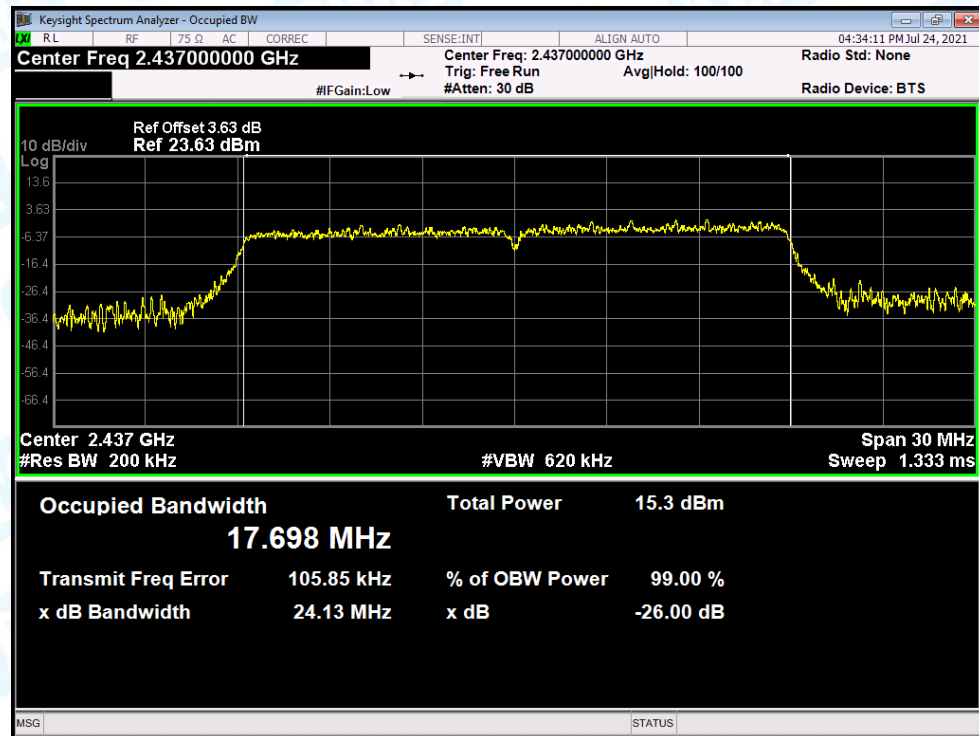
OBW NVNT g 2462MHz Ant1



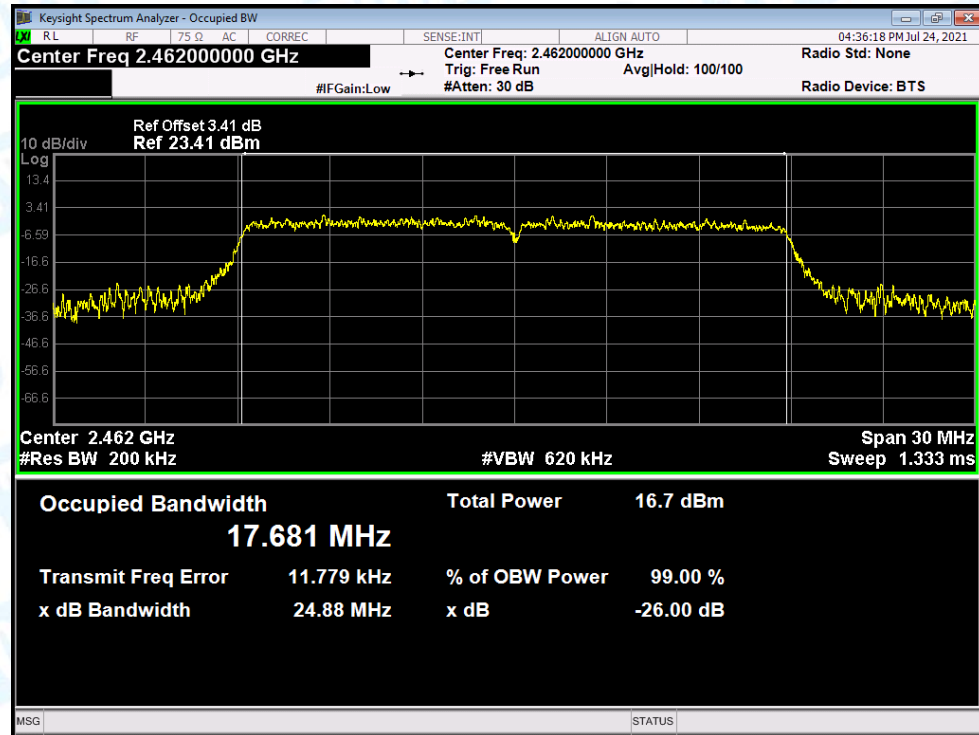
OBW NVNT n(HT20) 2412MHz Ant1



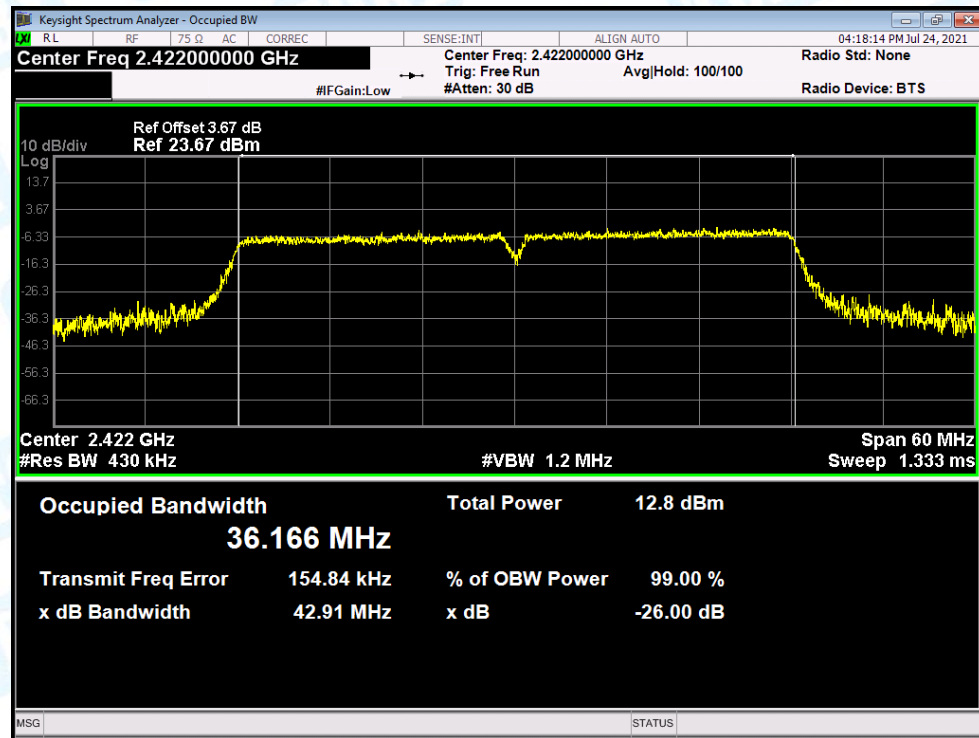
OBW NVNT n(HT20) 2437MHz Ant1



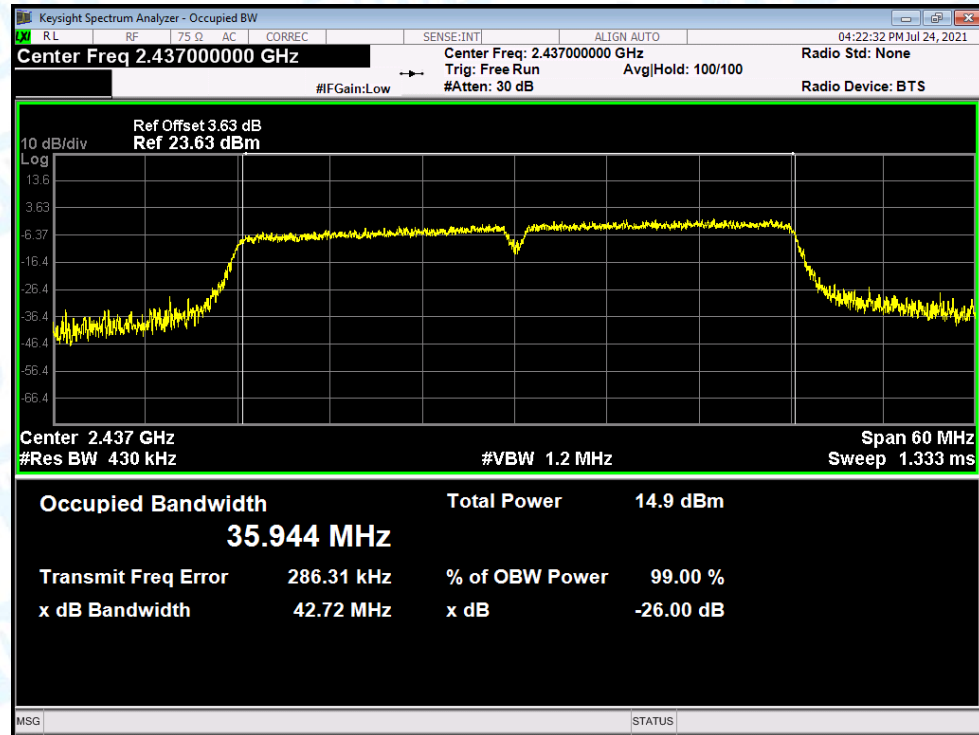
OBW NVNT n(HT20) 2462MHz Ant1



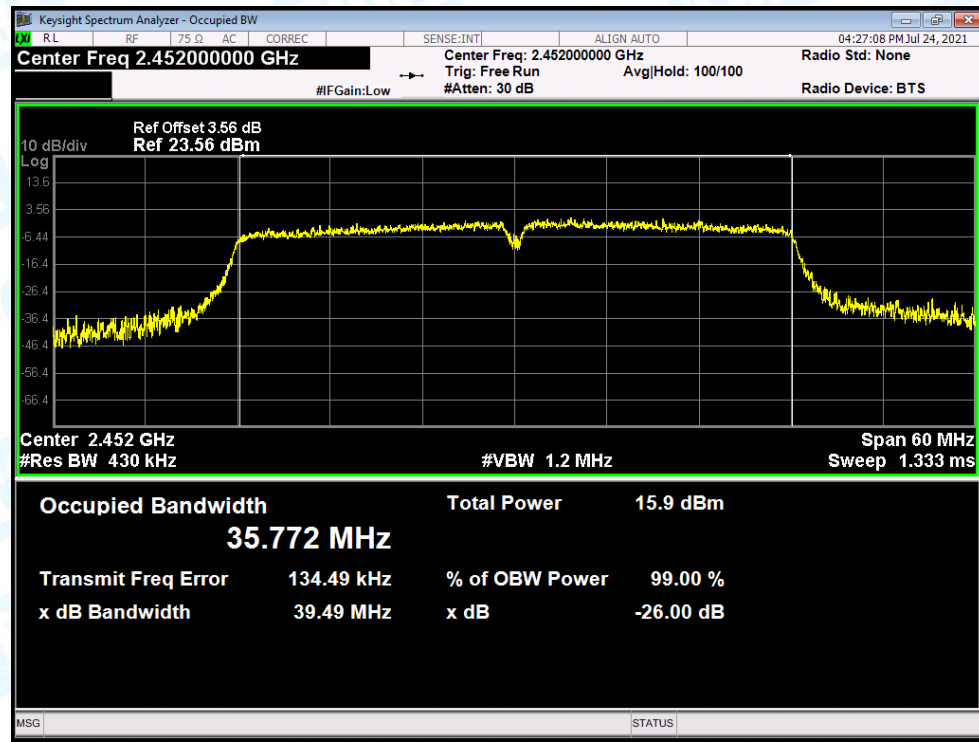
OBW NVNT n(HT40) 2422MHz Ant1



OBW NVNT n(HT40) 2437MHz Ant1



OBW NVNT n(HT40) 2452MHz Ant1

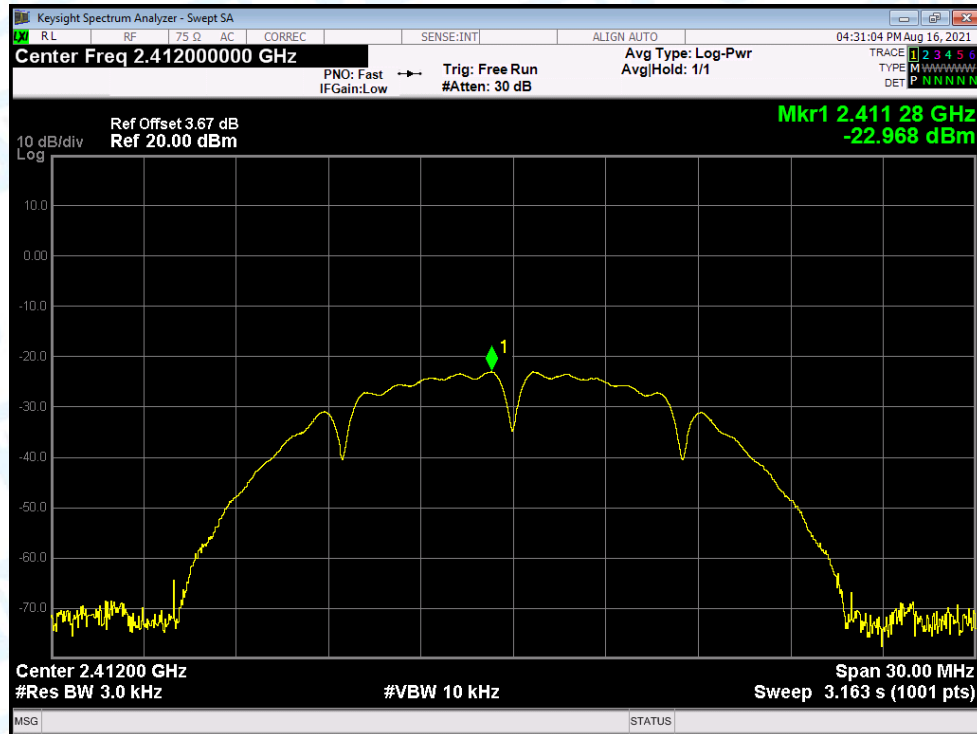


5.Maximum Power Spectral Density Level

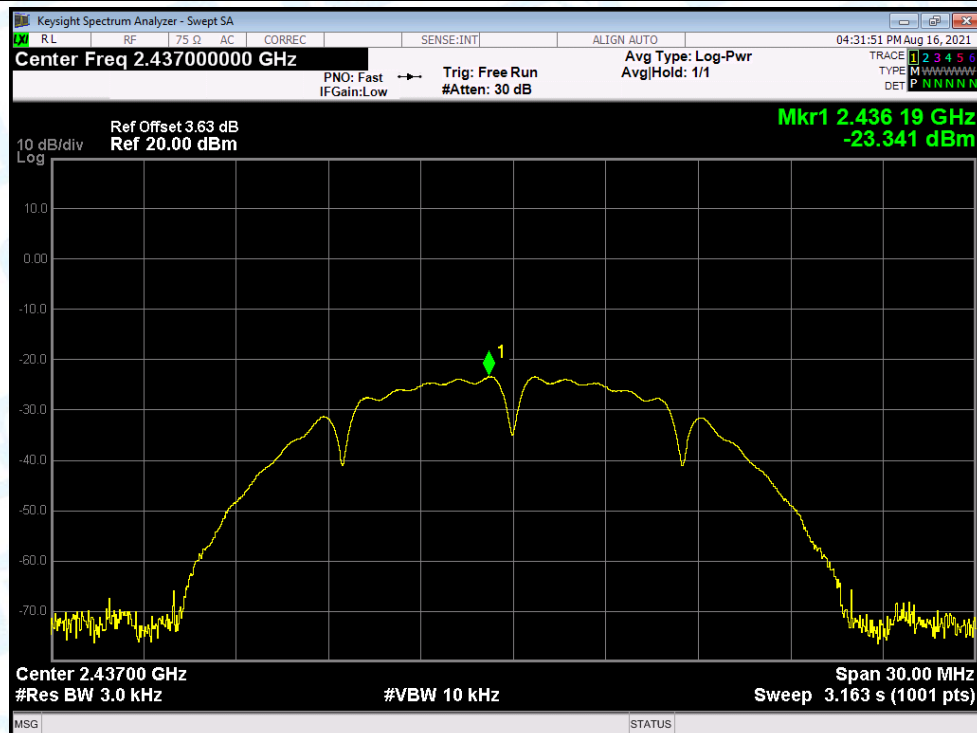
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-22.968	8	Pass
NVNT	b	2437	Ant1	-23.341	8	Pass
NVNT	b	2462	Ant1	-22.979	8	Pass
NVNT	g	2412	Ant1	-25.094	8	Pass
NVNT	g	2437	Ant1	-25.316	8	Pass
NVNT	g	2462	Ant1	-25.538	8	Pass
NVNT	n(HT20)	2412	Ant1	-25.486	8	Pass
NVNT	n(HT20)	2437	Ant1	-25.509	8	Pass
NVNT	n(HT20)	2462	Ant1	-25.435	8	Pass
NVNT	n(HT40)	2422	Ant1	-27.104	8	Pass
NVNT	n(HT40)	2437	Ant1	-28.214	8	Pass
NVNT	n(HT40)	2452	Ant1	-27.708	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1



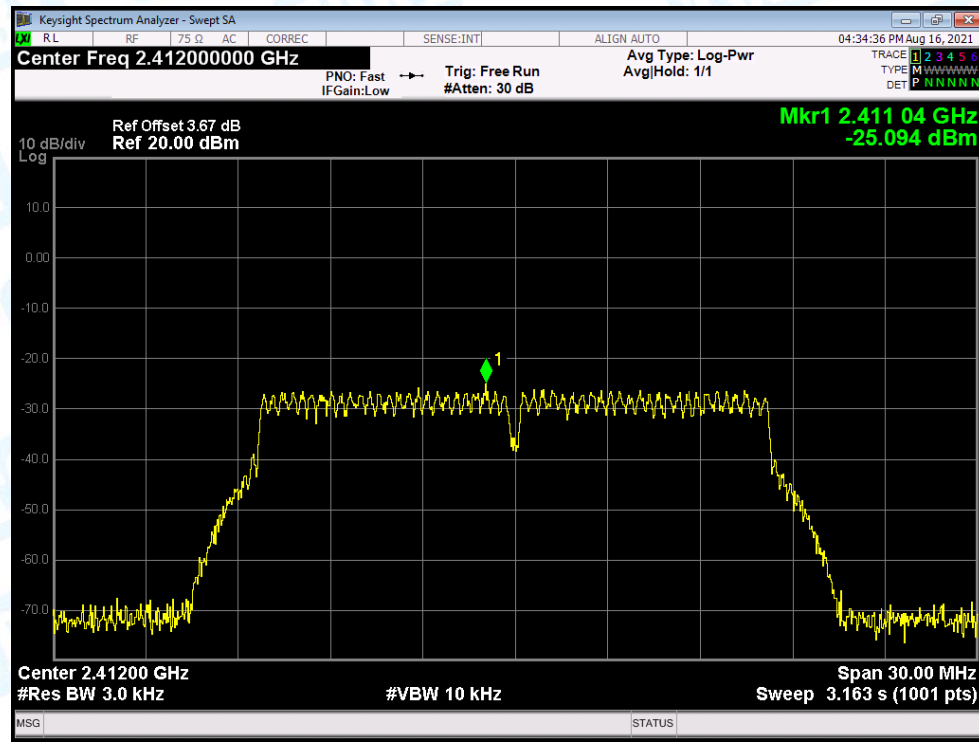
PSD NVNT b 2437MHz Ant1



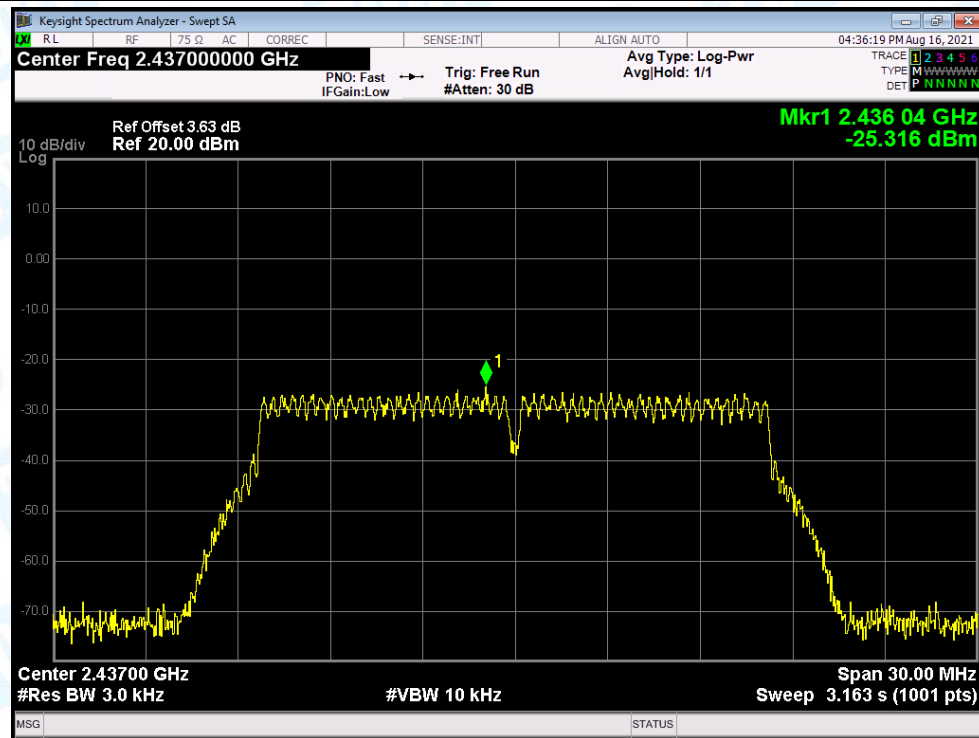
PSD NVNT b 2462MHz Ant1



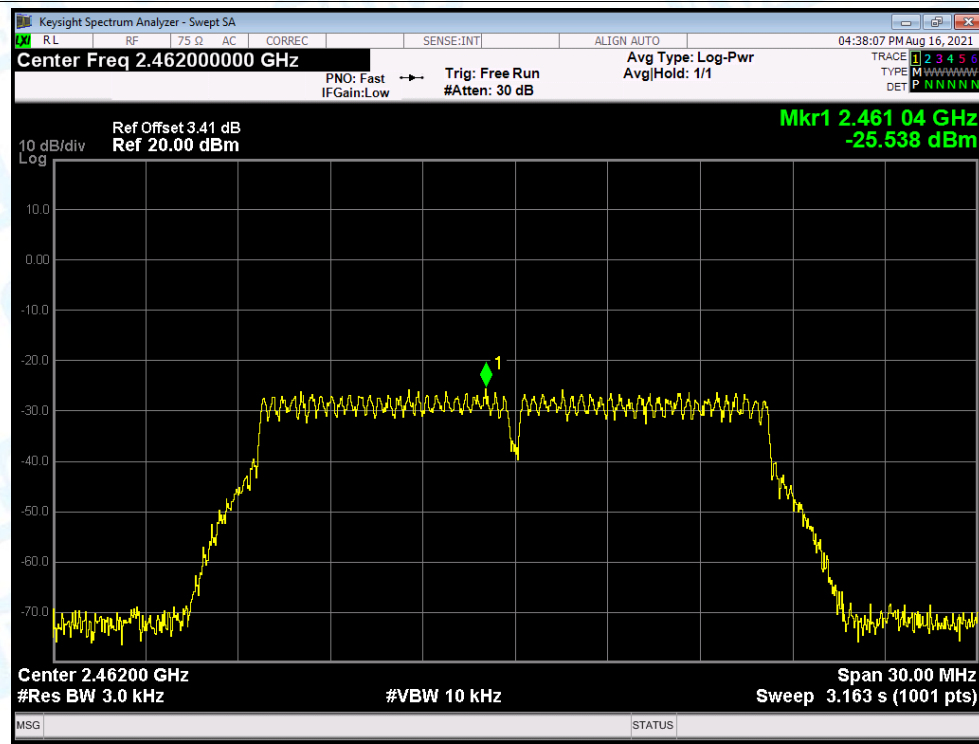
PSD NVNT g 2412MHz Ant1



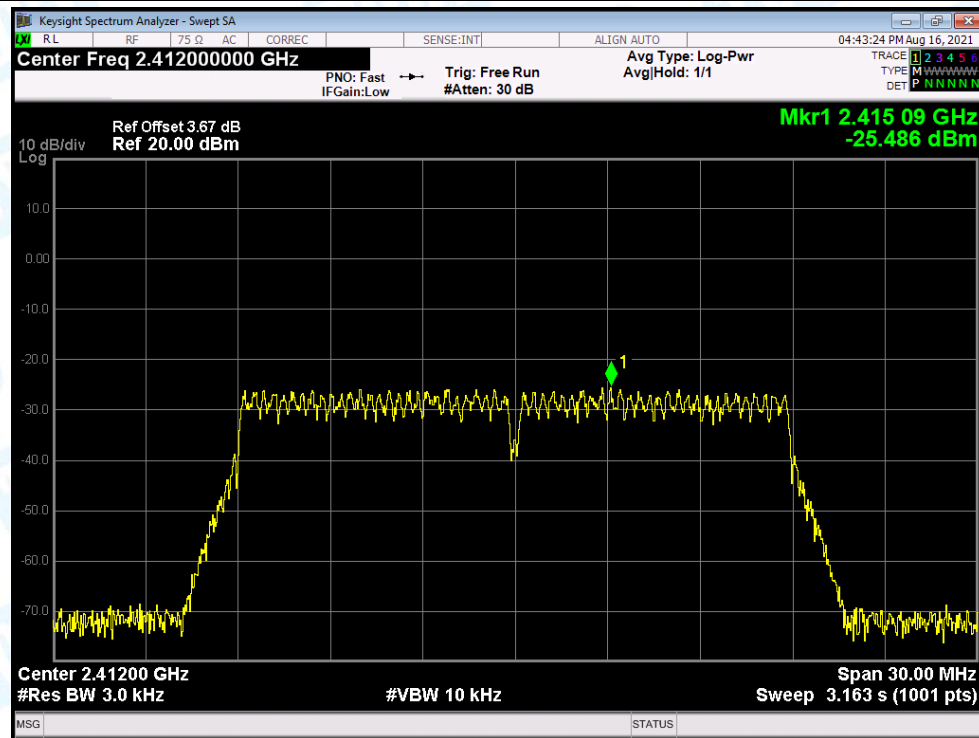
PSD NVNT g 2437MHz Ant1



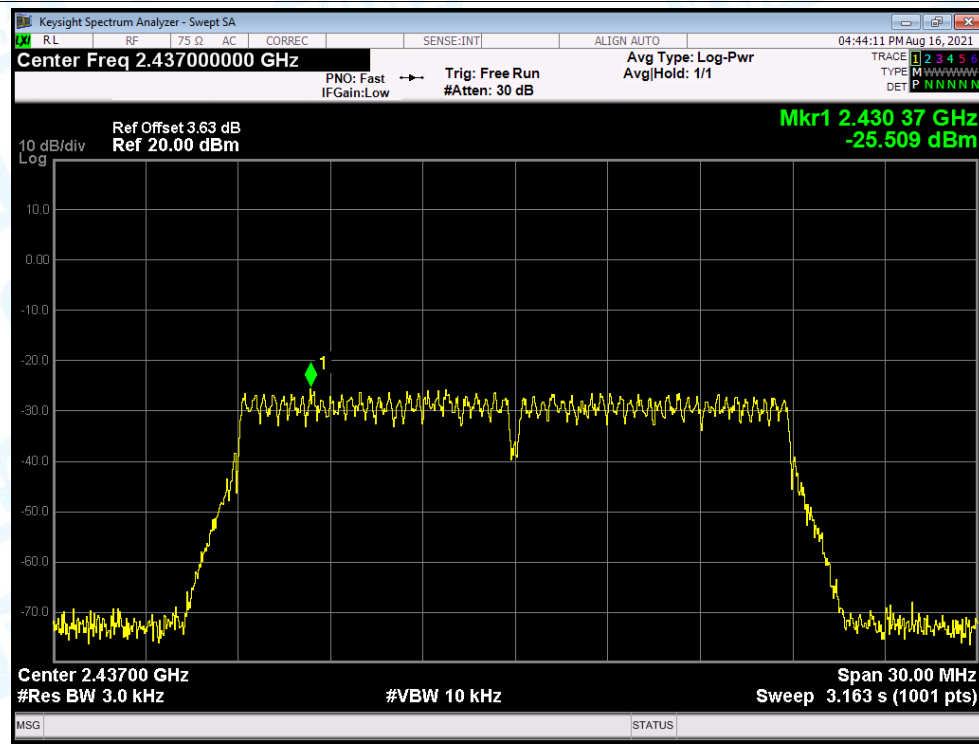
PSD NVNT g 2462MHz Ant1



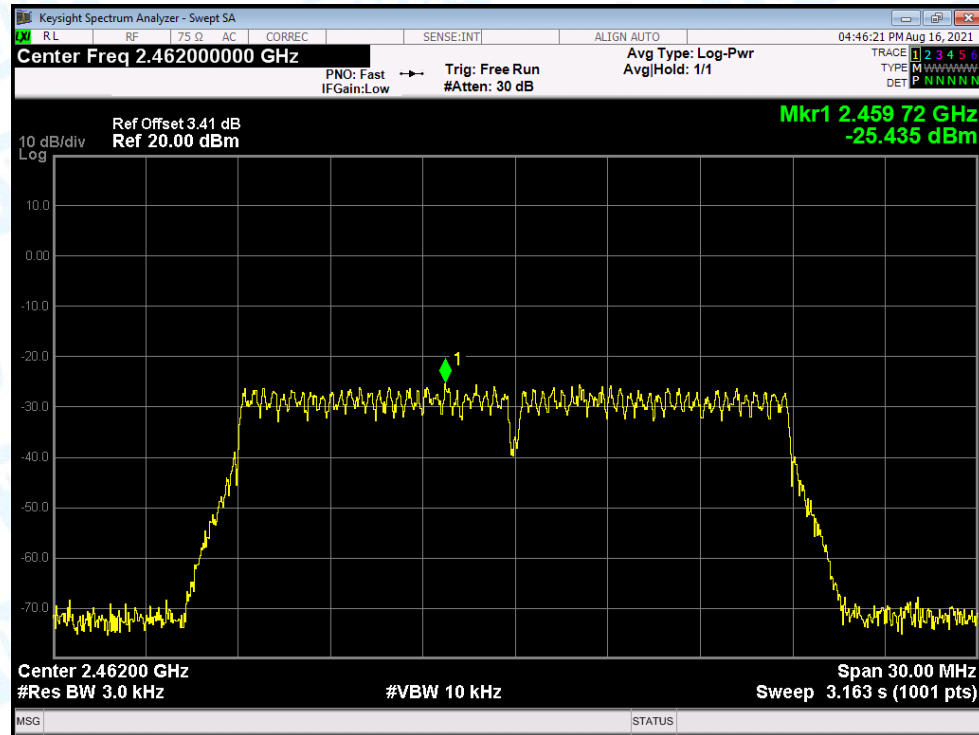
PSD NVNT n(HT20) 2412MHz Ant1



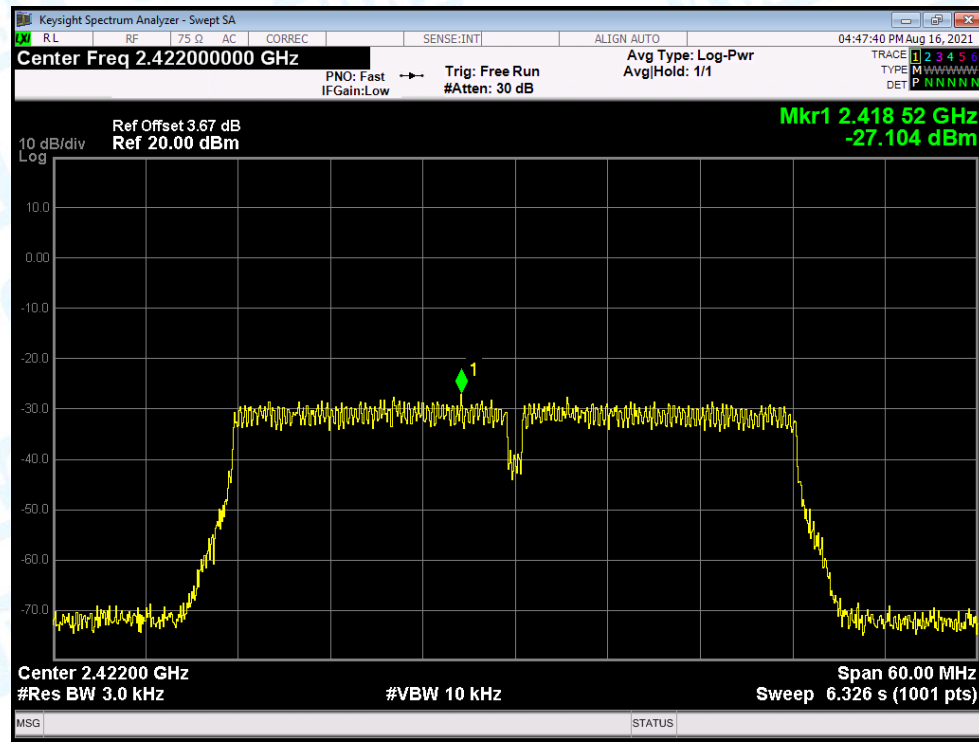
PSD NVNT n(HT20) 2437MHz Ant1



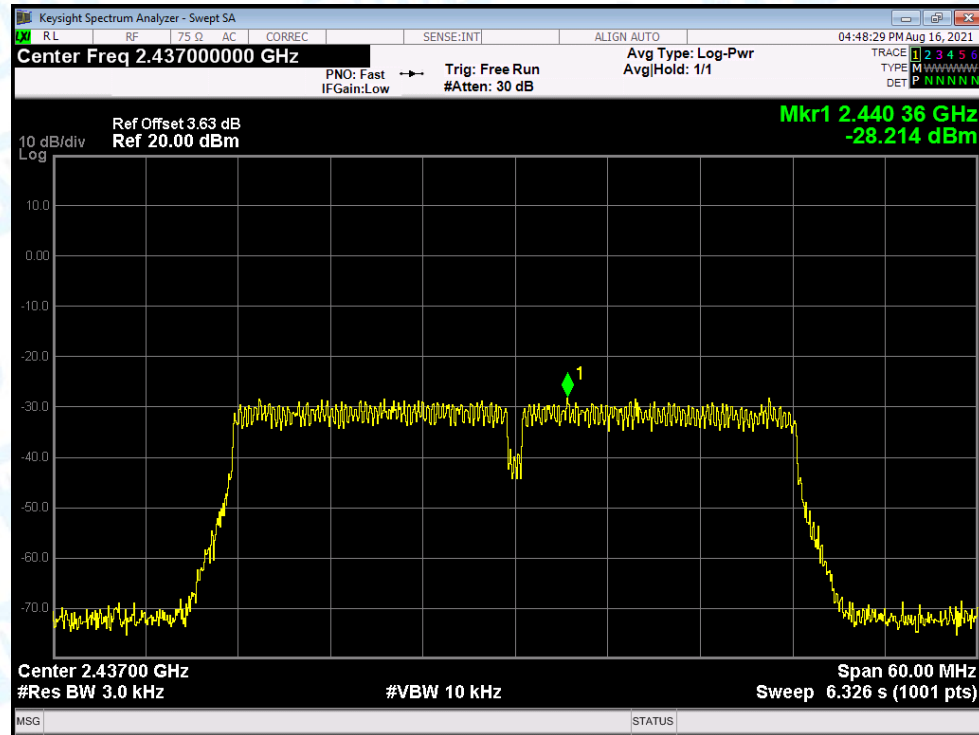
PSD NVNT n(HT20) 2462MHz Ant1



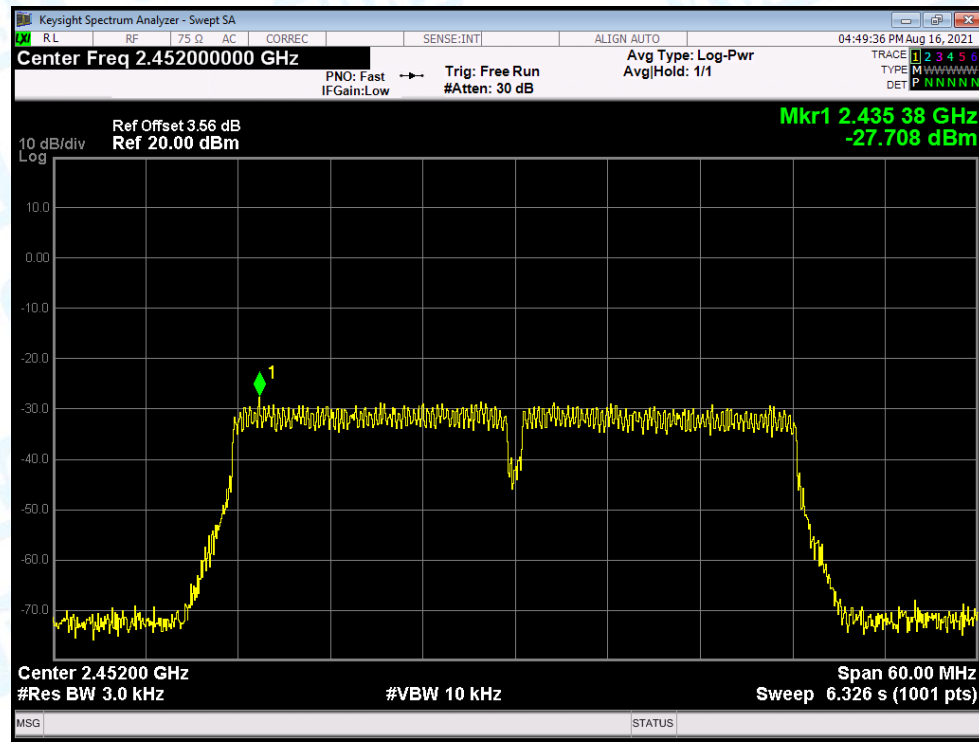
PSD NVNT n(HT40) 2422MHz Ant1



PSD NVNT n(HT40) 2437MHz Ant1

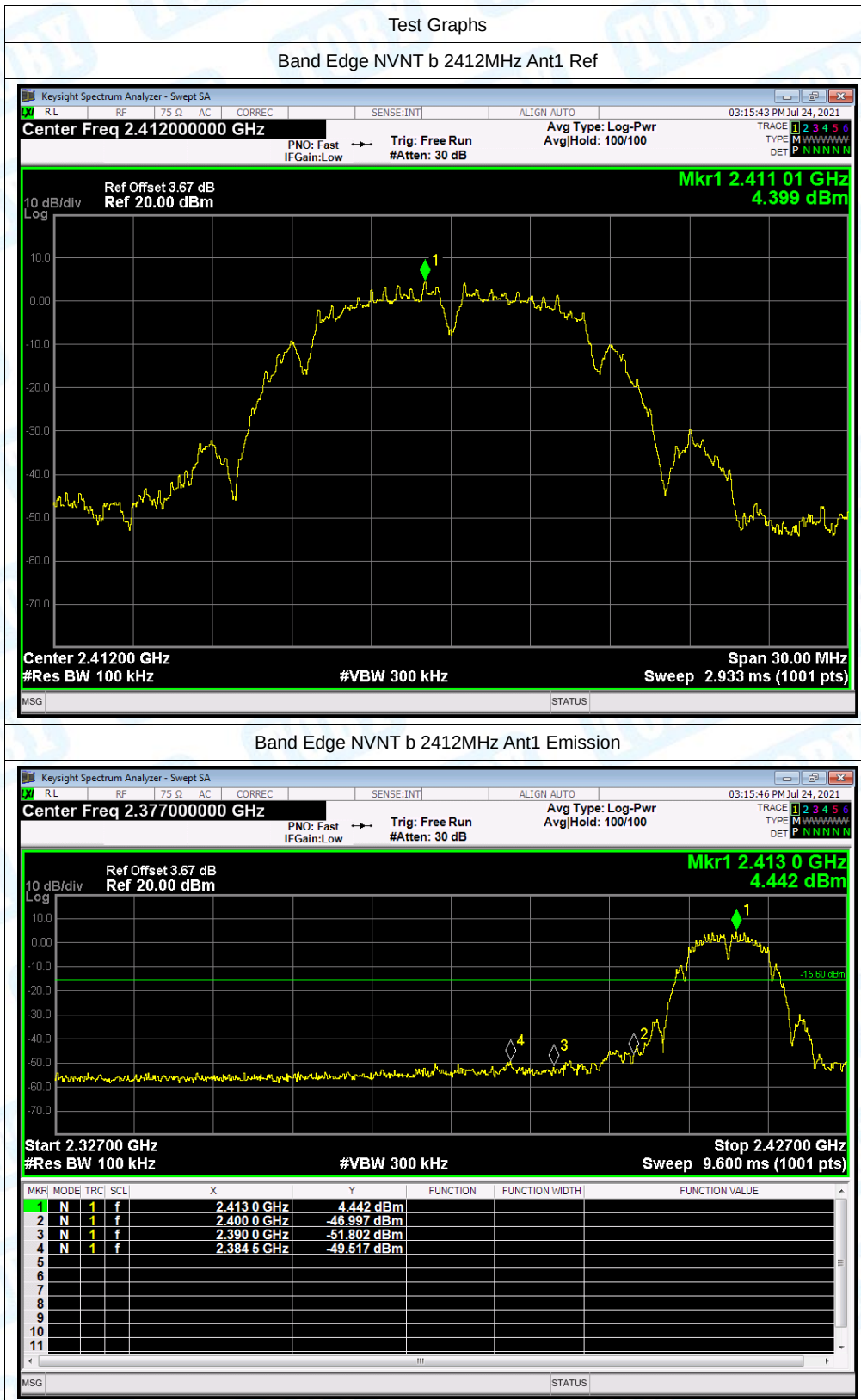


PSD NVNT n(HT40) 2452MHz Ant1



6.Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.91	-20	Pass
NVNT	b	2462	Ant1	-57.61	-20	Pass
NVNT	g	2412	Ant1	-41.24	-20	Pass
NVNT	g	2462	Ant1	-42.92	-20	Pass
NVNT	n(HT20)	2412	Ant1	-39.43	-20	Pass
NVNT	n(HT20)	2462	Ant1	-39.75	-20	Pass
NVNT	n(HT40)	2422	Ant1	-37.74	-20	Pass
NVNT	n(HT40)	2452	Ant1	-38.94	-20	Pass



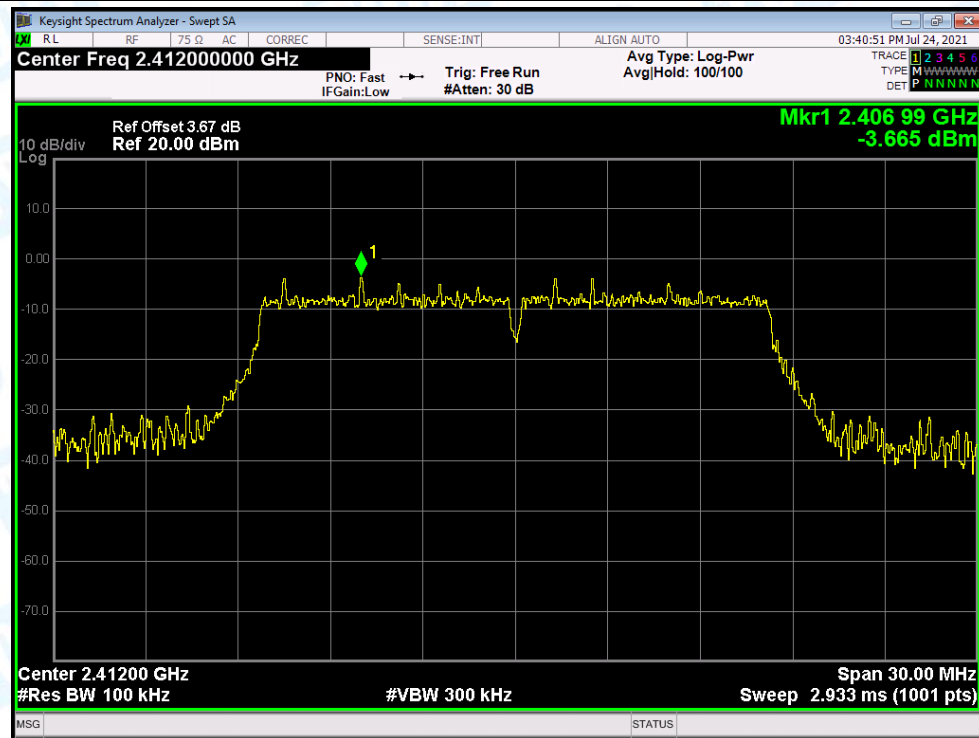
Band Edge NVNT b 2462MHz Ant1 Ref



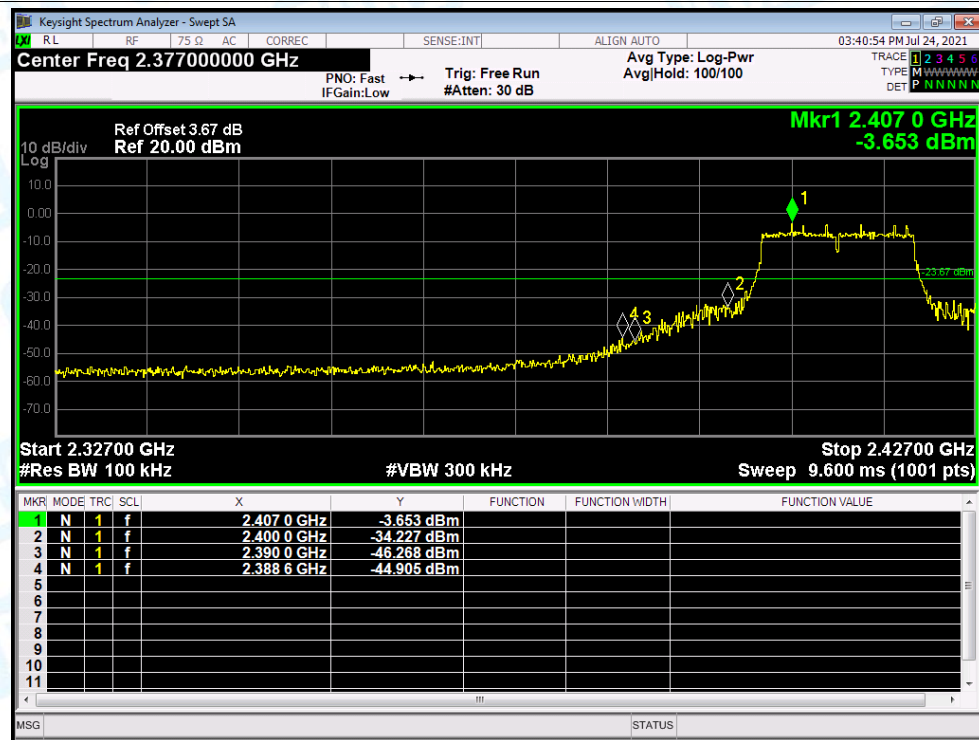
Band Edge NVNT b 2462MHz Ant1 Emission



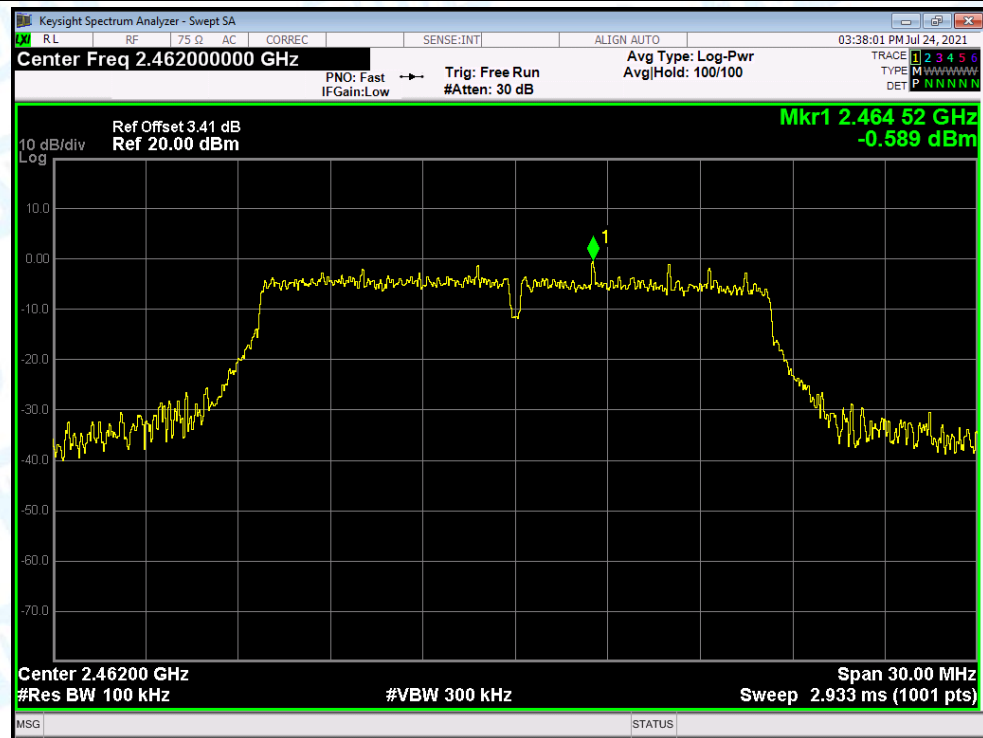
Band Edge NVNT g 2412MHz Ant1 Ref



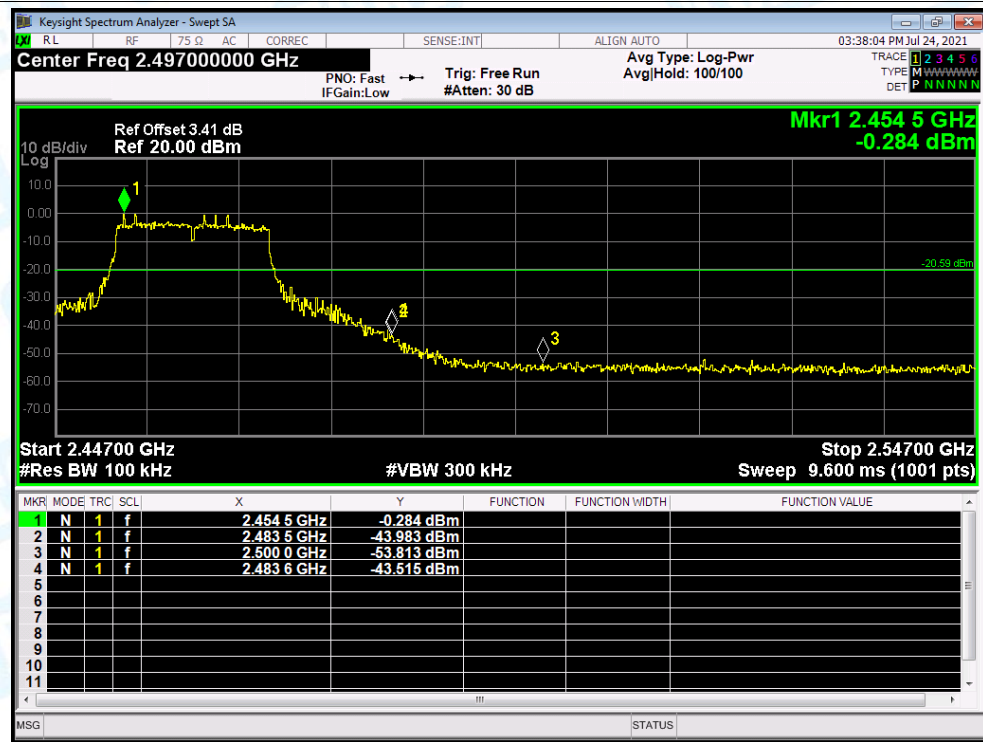
Band Edge NVNT g 2412MHz Ant1 Emission



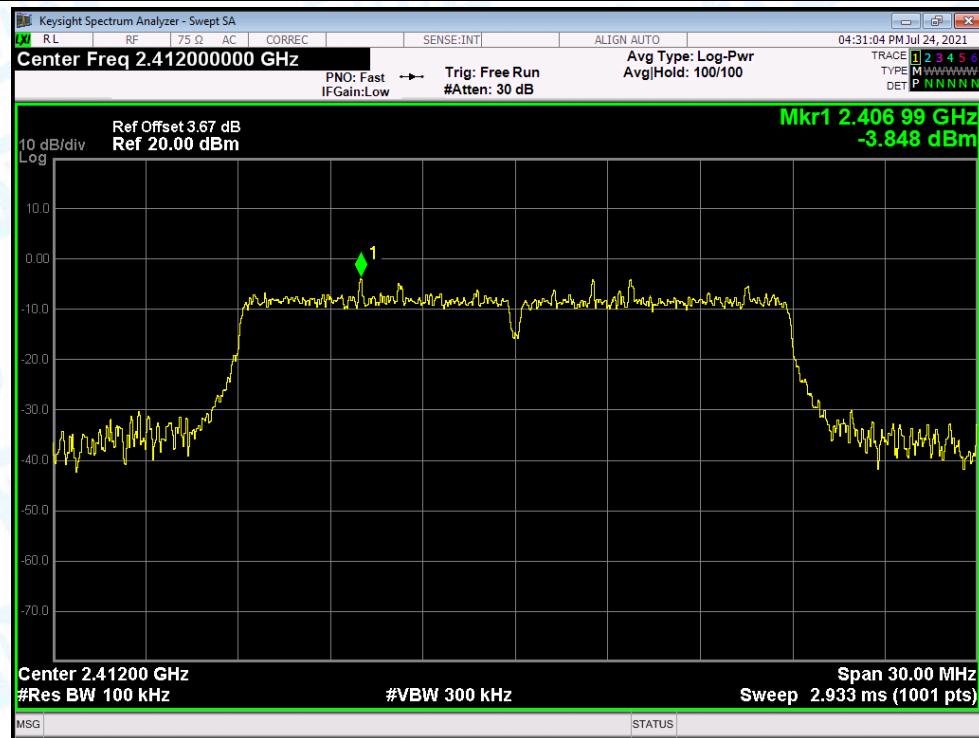
Band Edge NVNT g 2462MHz Ant1 Ref



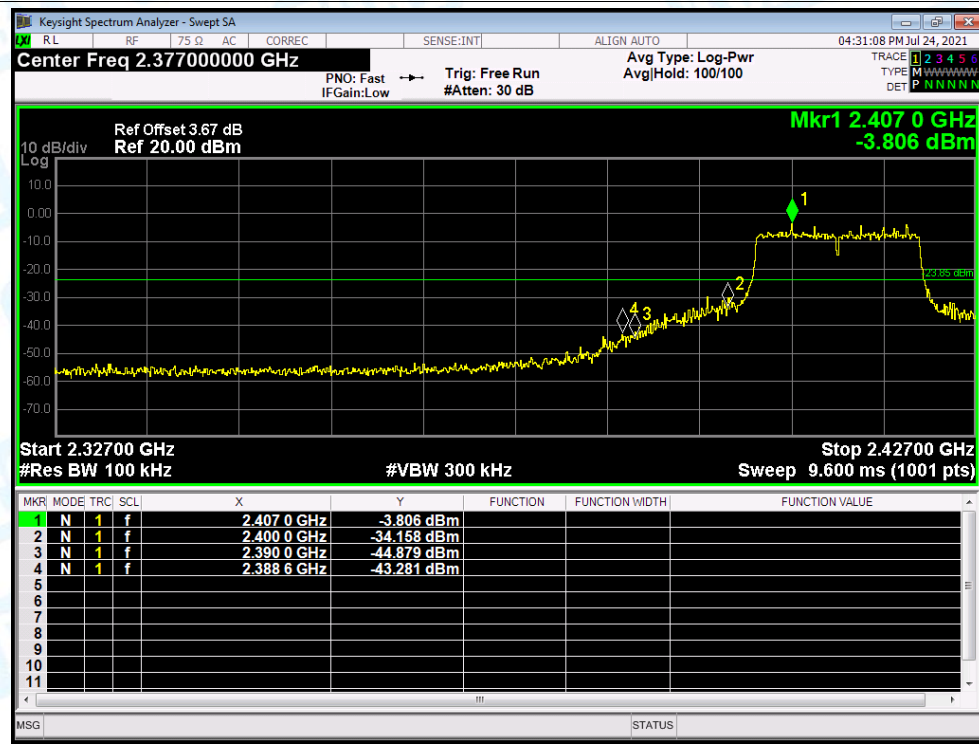
Band Edge NVNT g 2462MHz Ant1 Emission



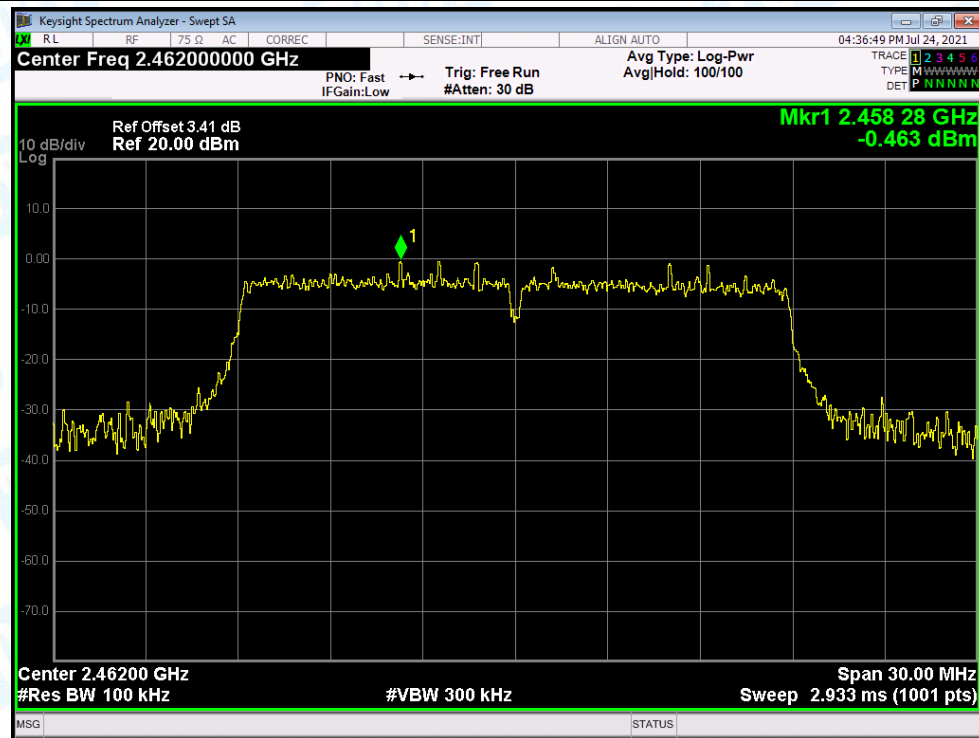
Band Edge NVNT n(HT20) 2412MHz Ant1 Ref



Band Edge NVNT n(HT20) 2412MHz Ant1 Emission



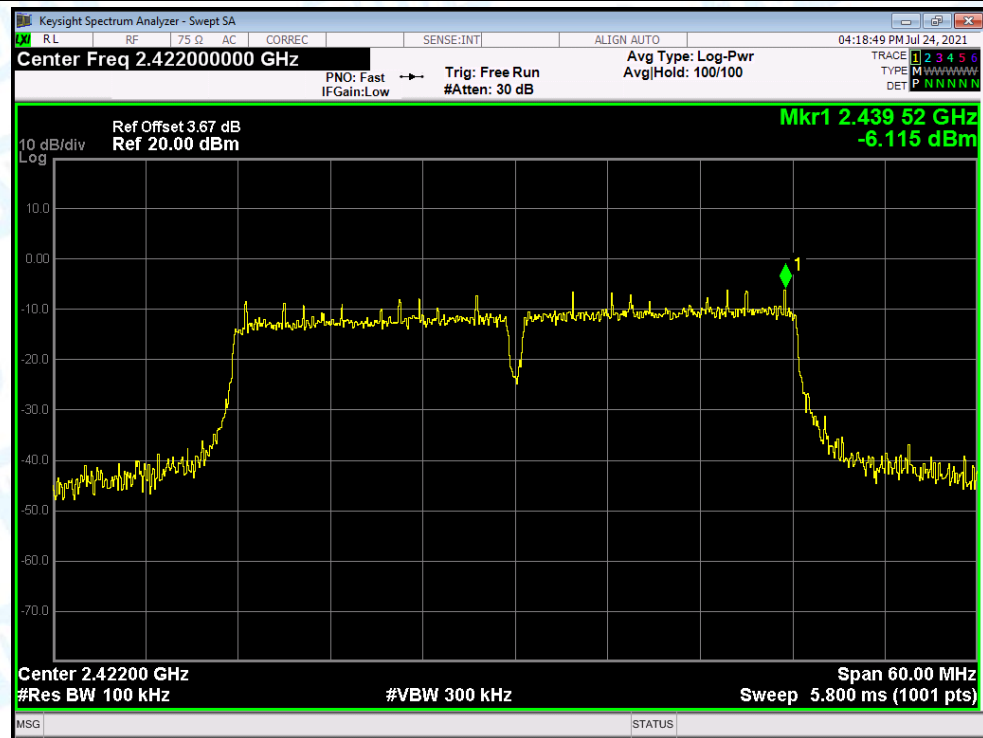
Band Edge NVNT n(HT20) 2462MHz Ant1 Ref



Band Edge NVNT n(HT20) 2462MHz Ant1 Emission



Band Edge NVNT n(HT40) 2422MHz Ant1 Ref



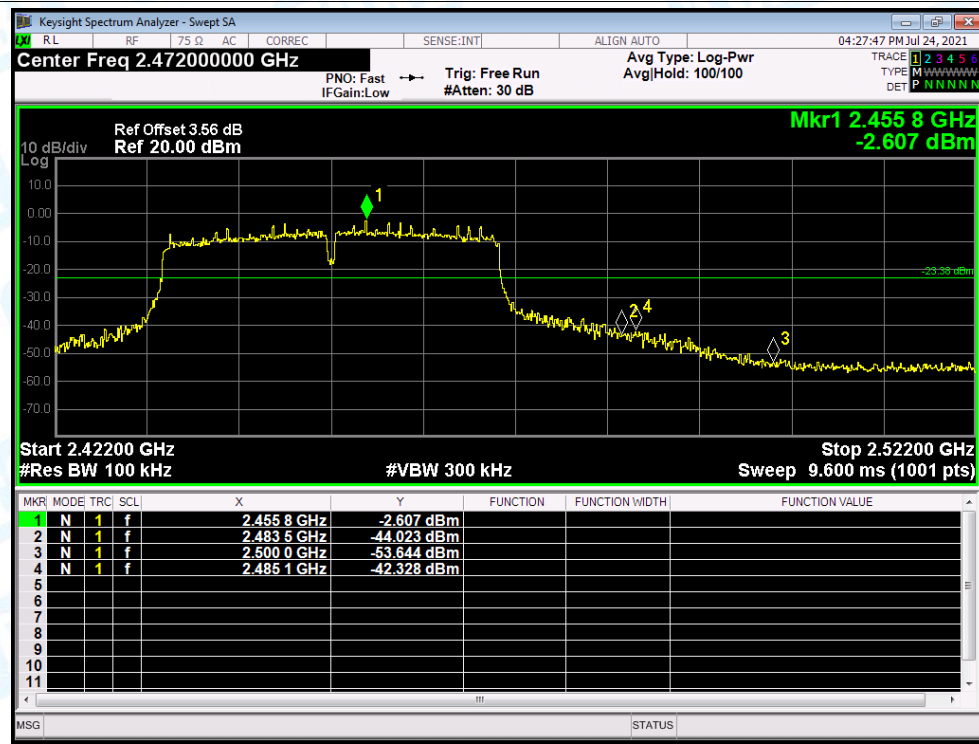
Band Edge NVNT n(HT40) 2422MHz Ant1 Emission



Band Edge NVNT n(HT40) 2452MHz Ant1 Ref

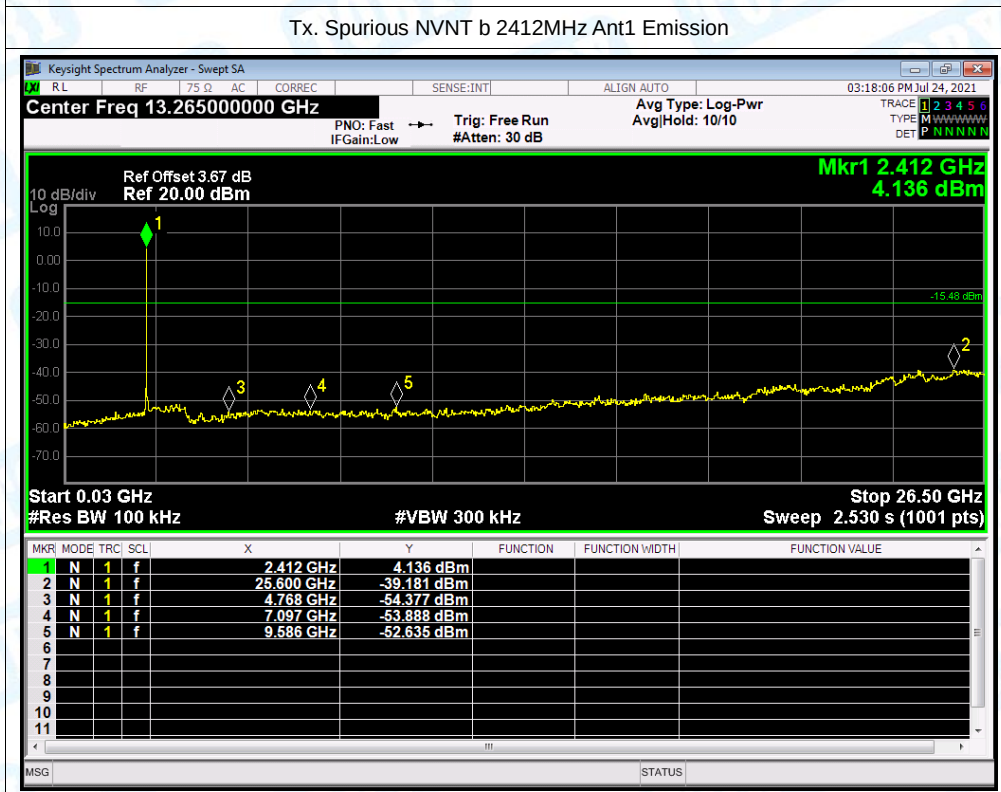


Band Edge NVNT n(HT40) 2452MHz Ant1 Emission



7. Conducted RF Spurious Emission

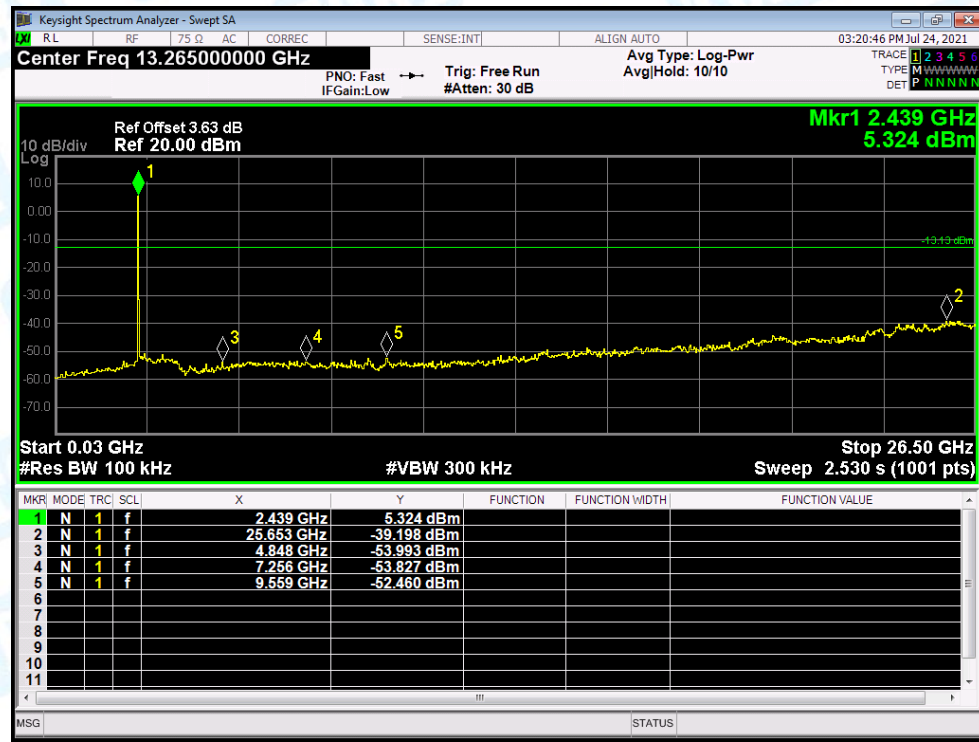
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.7	-20	Pass
NVNT	b	2437	Ant1	-46.06	-20	Pass
NVNT	b	2462	Ant1	-46.34	-20	Pass
NVNT	g	2412	Ant1	-35.3	-20	Pass
NVNT	g	2437	Ant1	-36.5	-20	Pass
NVNT	g	2462	Ant1	-39.74	-20	Pass
NVNT	n(HT20)	2412	Ant1	-35.5	-20	Pass
NVNT	n(HT20)	2437	Ant1	-38.21	-20	Pass
NVNT	n(HT20)	2462	Ant1	-37.97	-20	Pass
NVNT	n(HT40)	2422	Ant1	-32.78	-20	Pass
NVNT	n(HT40)	2437	Ant1	-35.4	-20	Pass
NVNT	n(HT40)	2452	Ant1	-36.11	-20	Pass



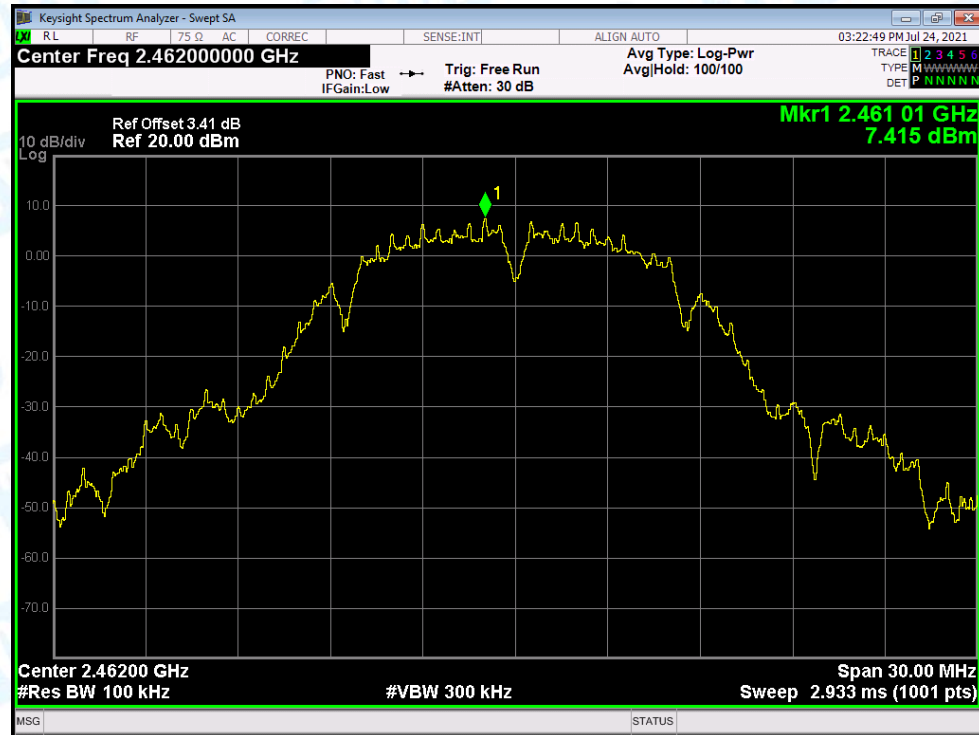
Tx. Spurious NVNT b 2437MHz Ant1 Ref



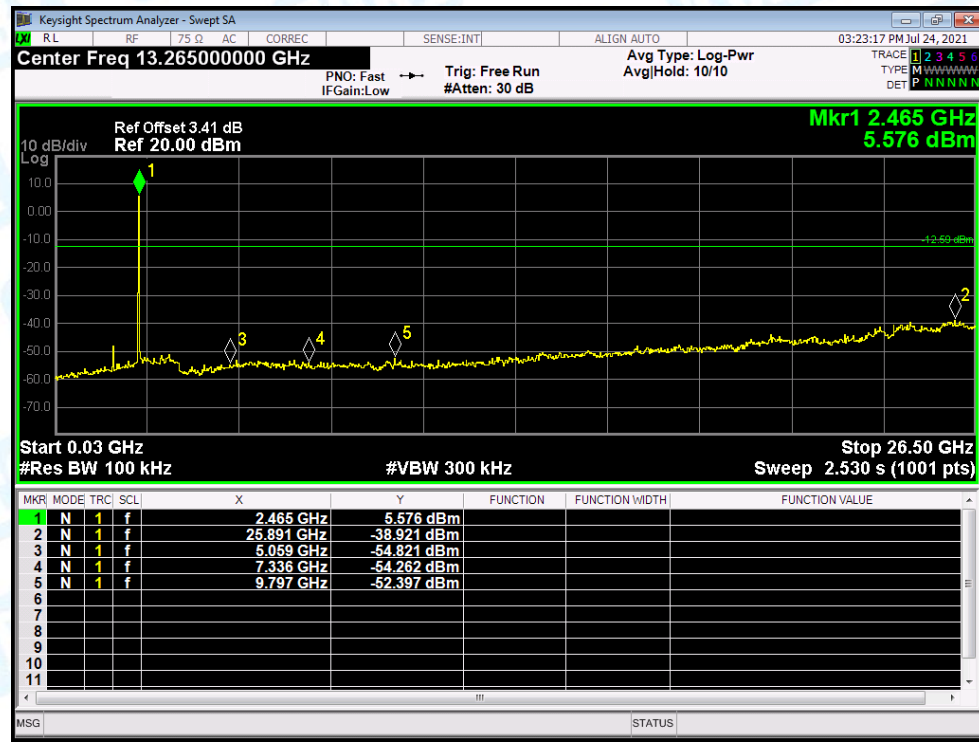
Tx. Spurious NVNT b 2437MHz Ant1 Emission



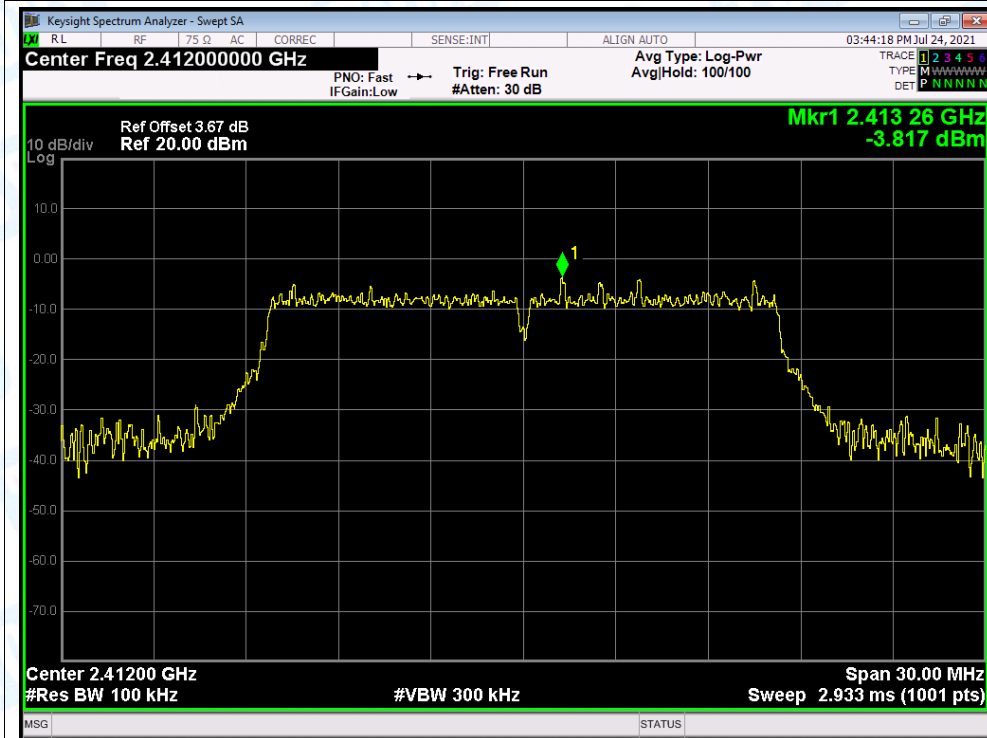
Tx. Spurious NVNT b 2462MHz Ant1 Ref



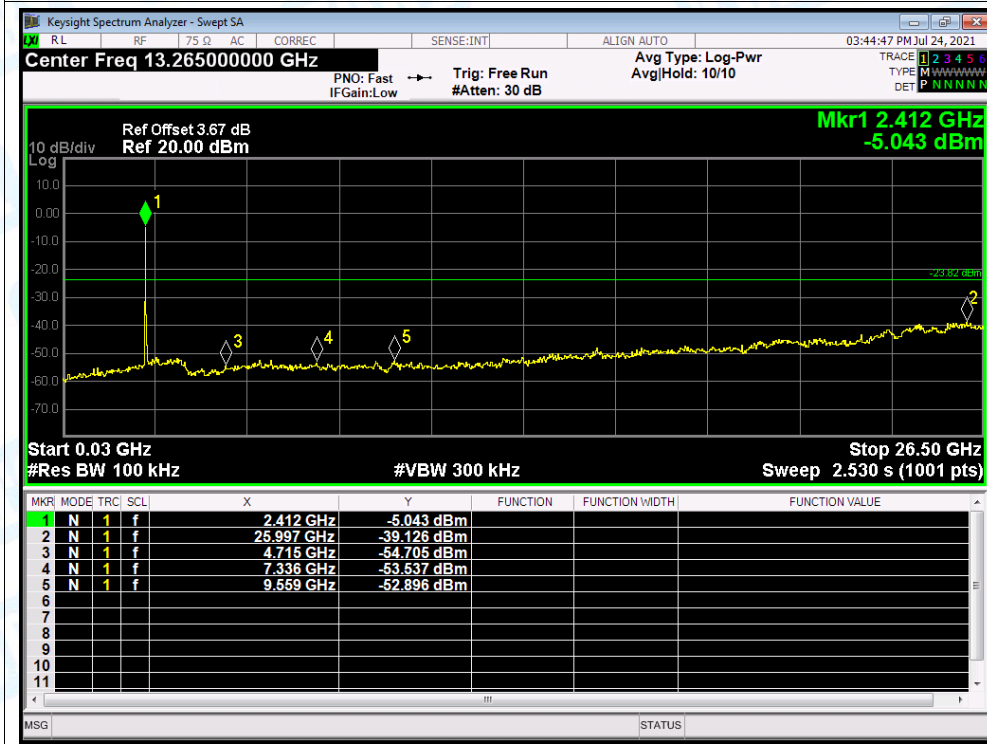
Tx. Spurious NVNT b 2462MHz Ant1 Emission



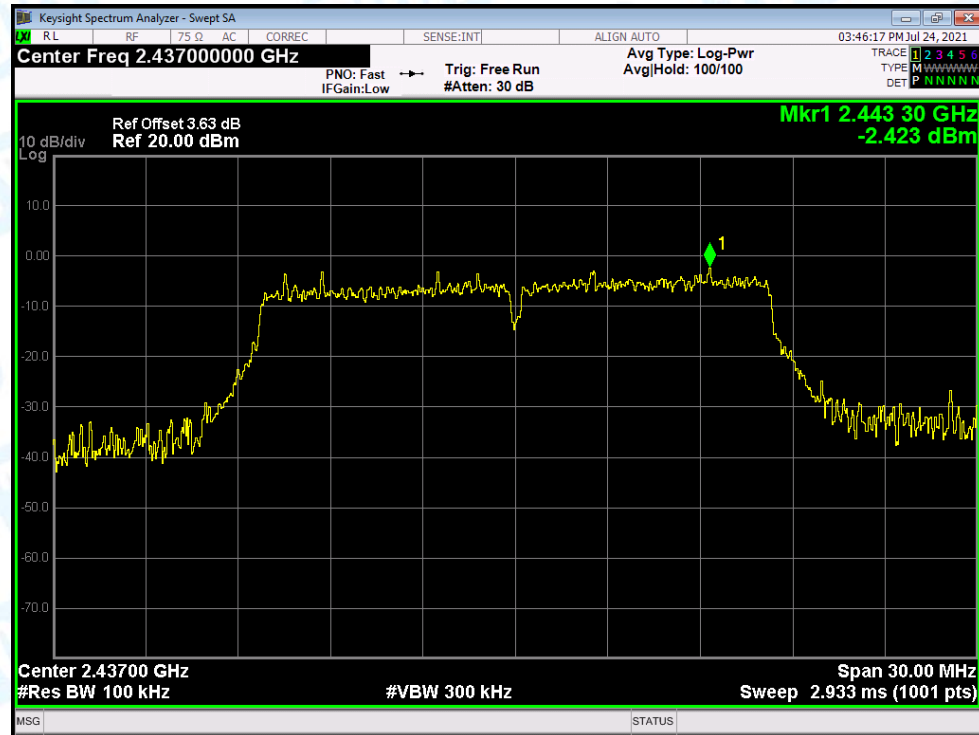
Tx. Spurious NVNT g 2412MHz Ant1 Ref



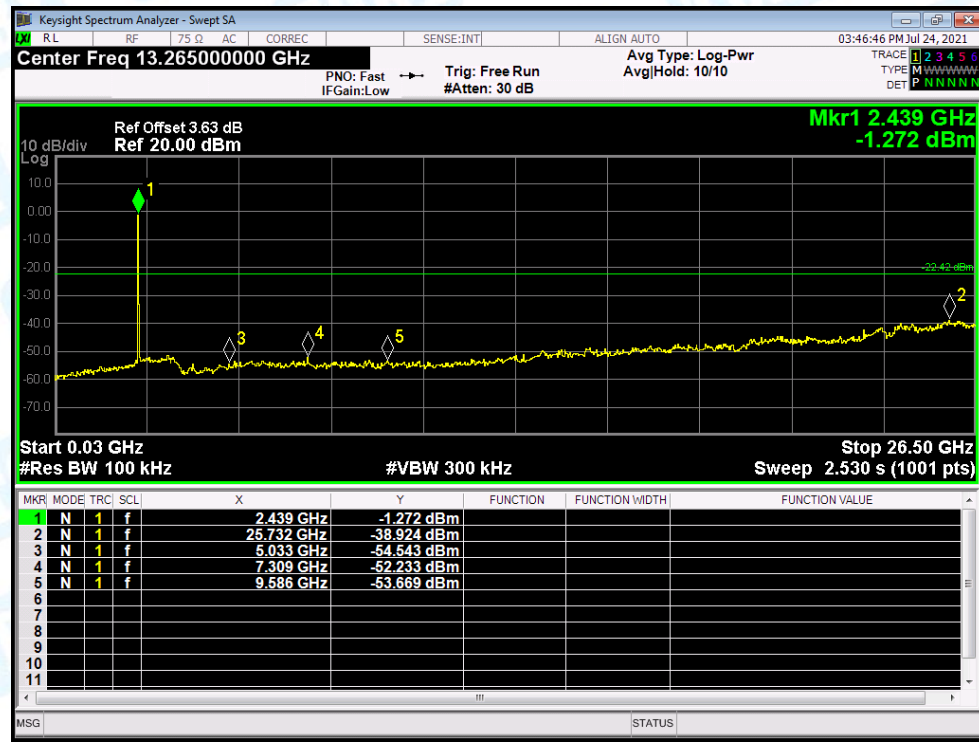
Tx. Spurious NVNT g 2412MHz Ant1 Emission



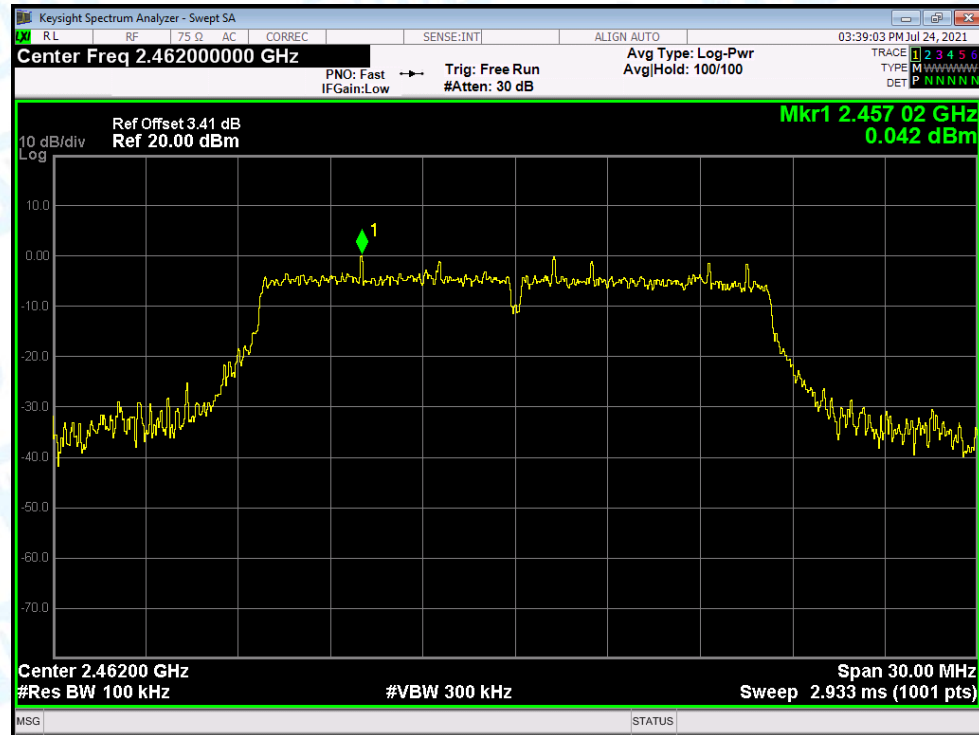
Tx. Spurious NVNT g 2437MHz Ant1 Ref



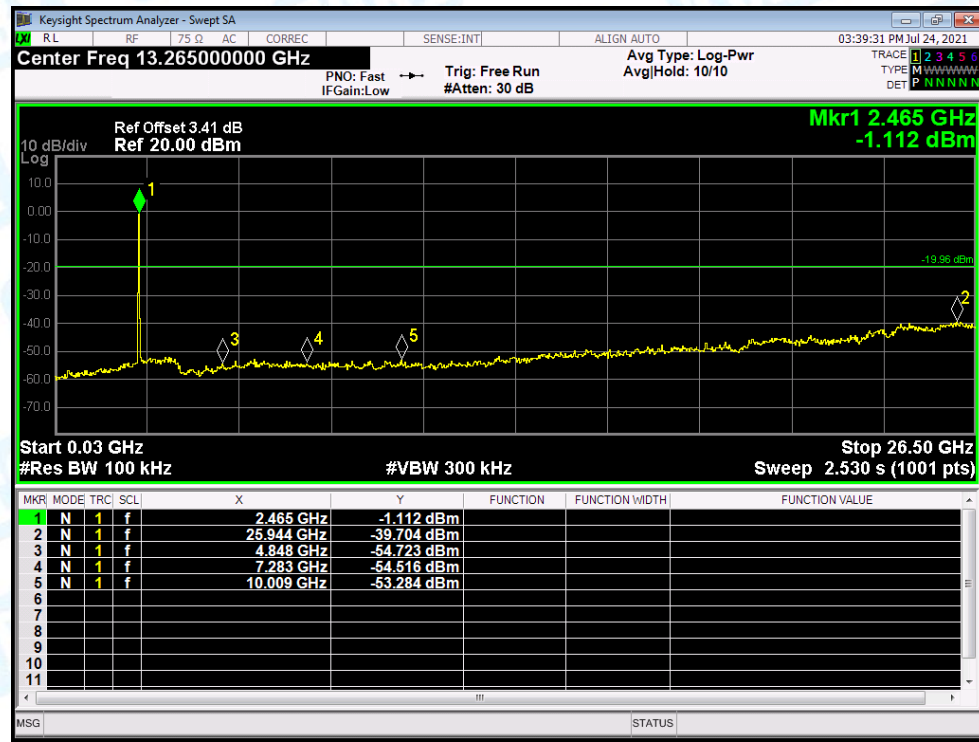
Tx. Spurious NVNT g 2437MHz Ant1 Emission



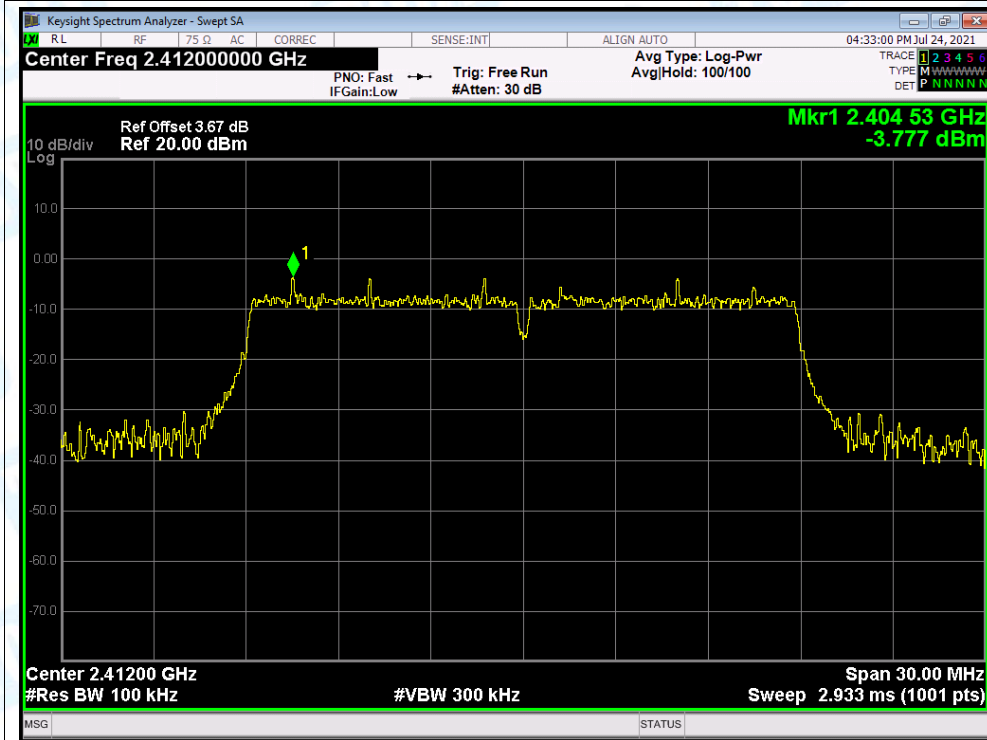
Tx. Spurious NVNT g 2462MHz Ant1 Ref



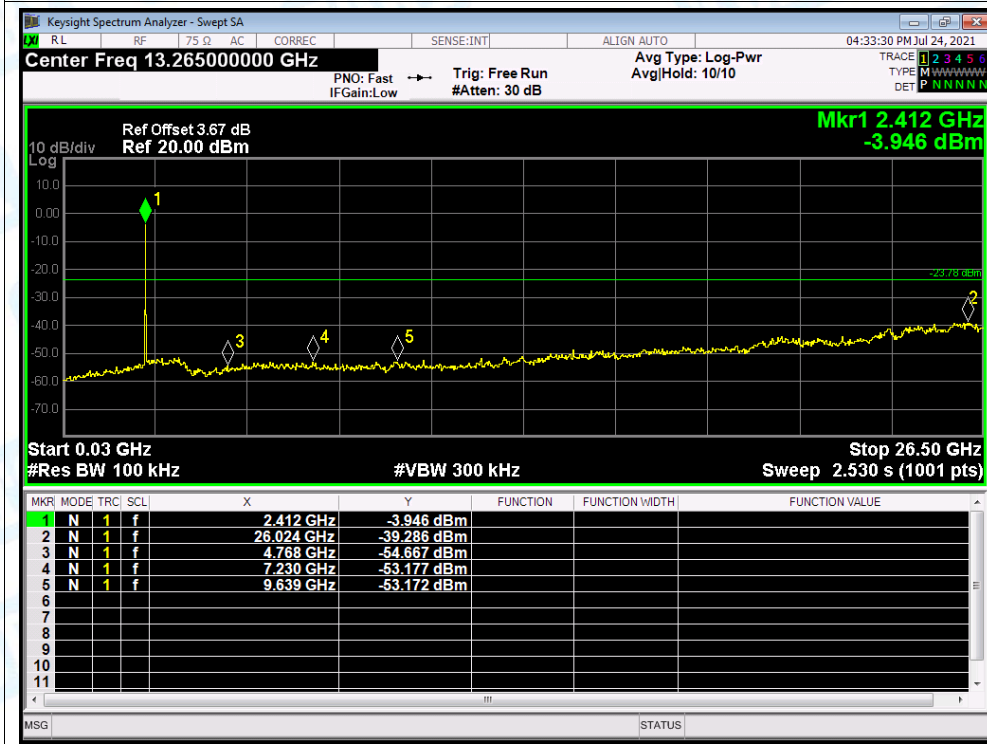
Tx. Spurious NVNT g 2462MHz Ant1 Emission



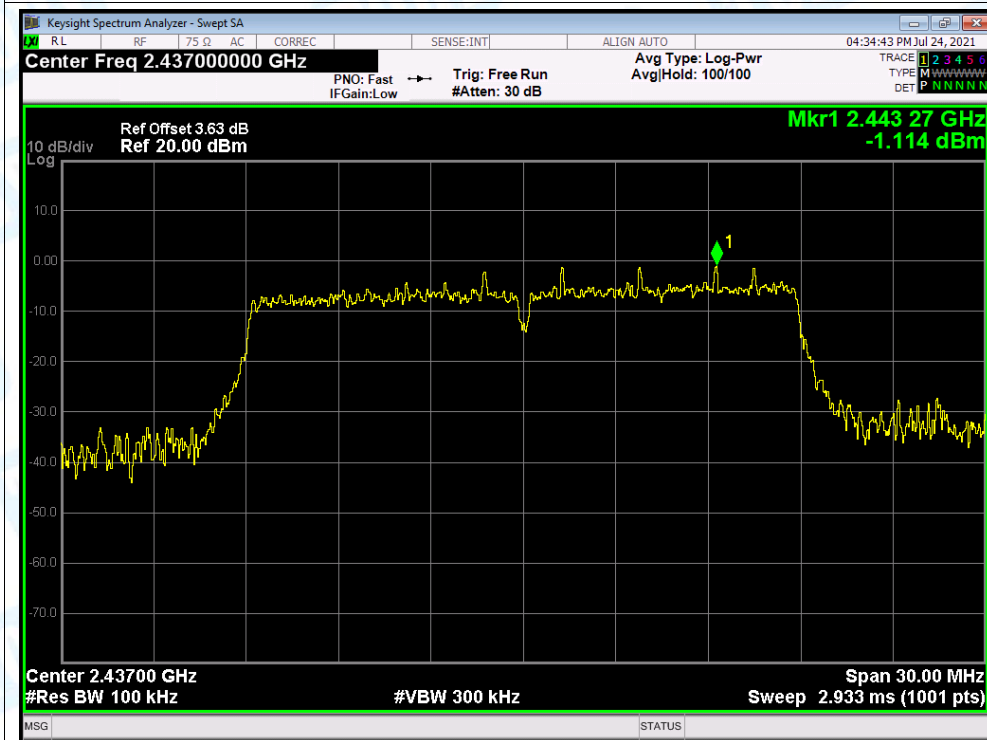
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Ref



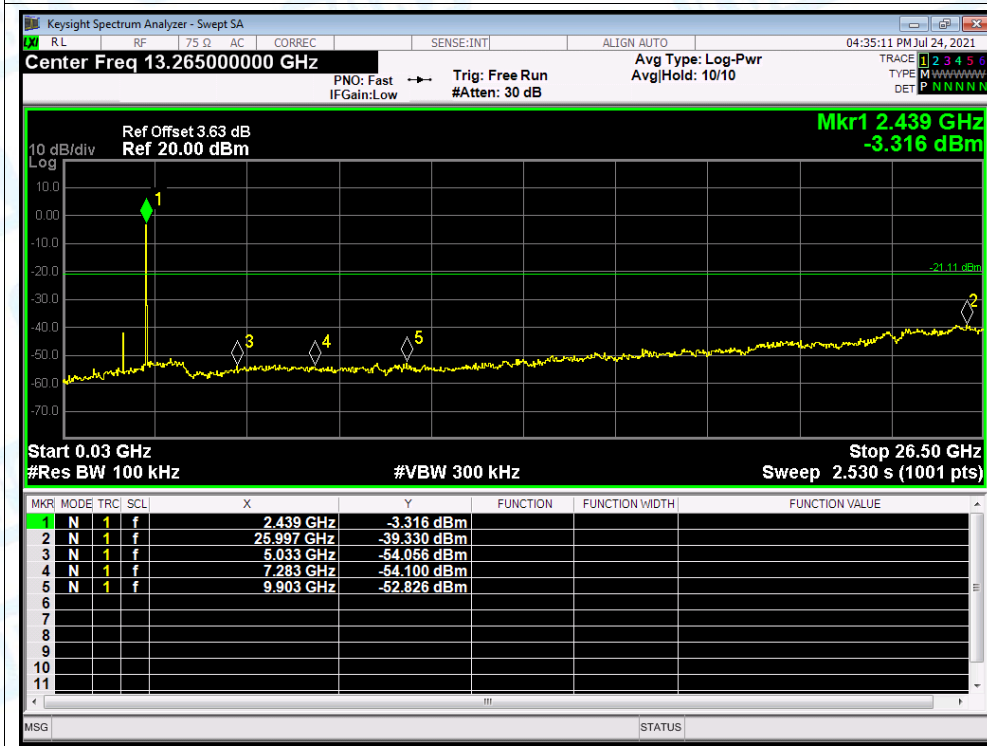
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Emission



Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Ref



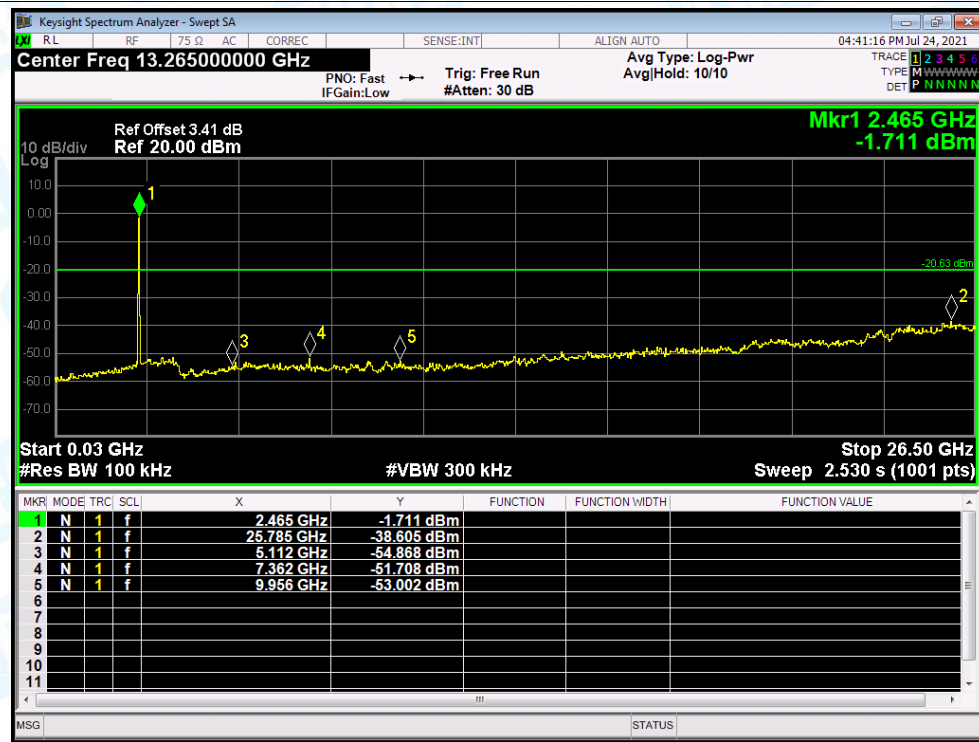
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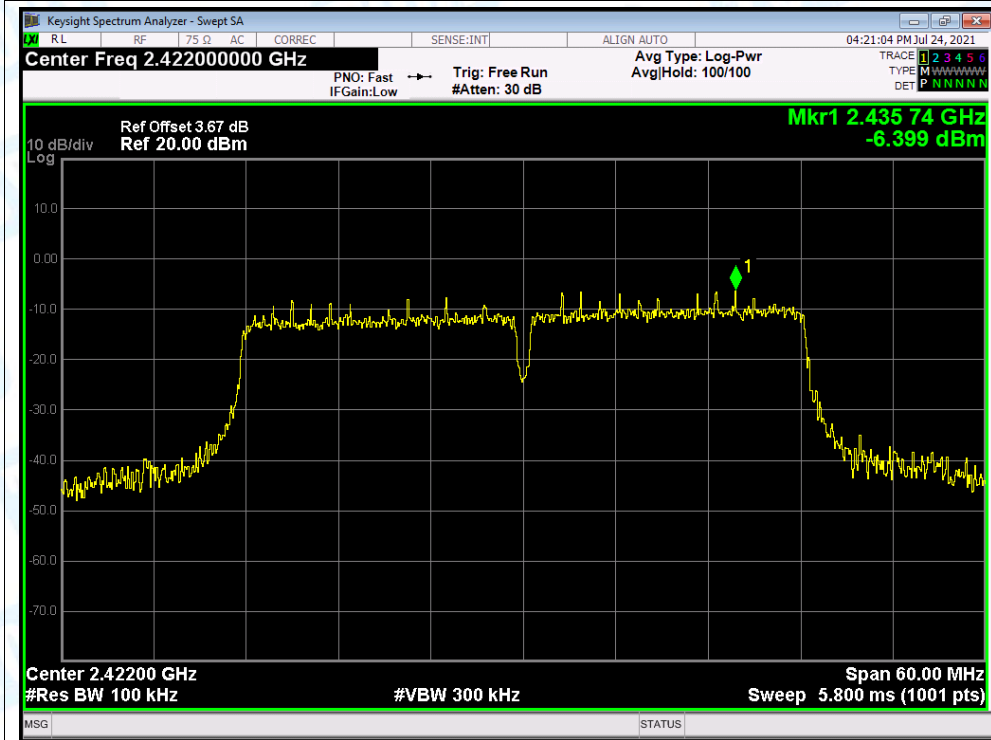
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Ref



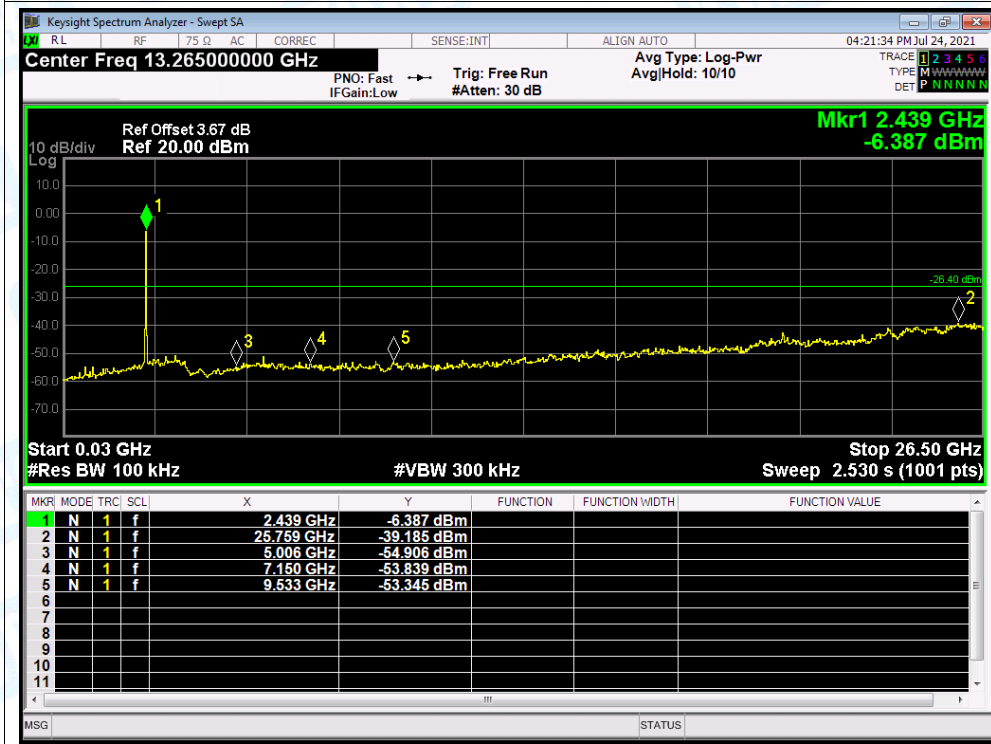
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Emission



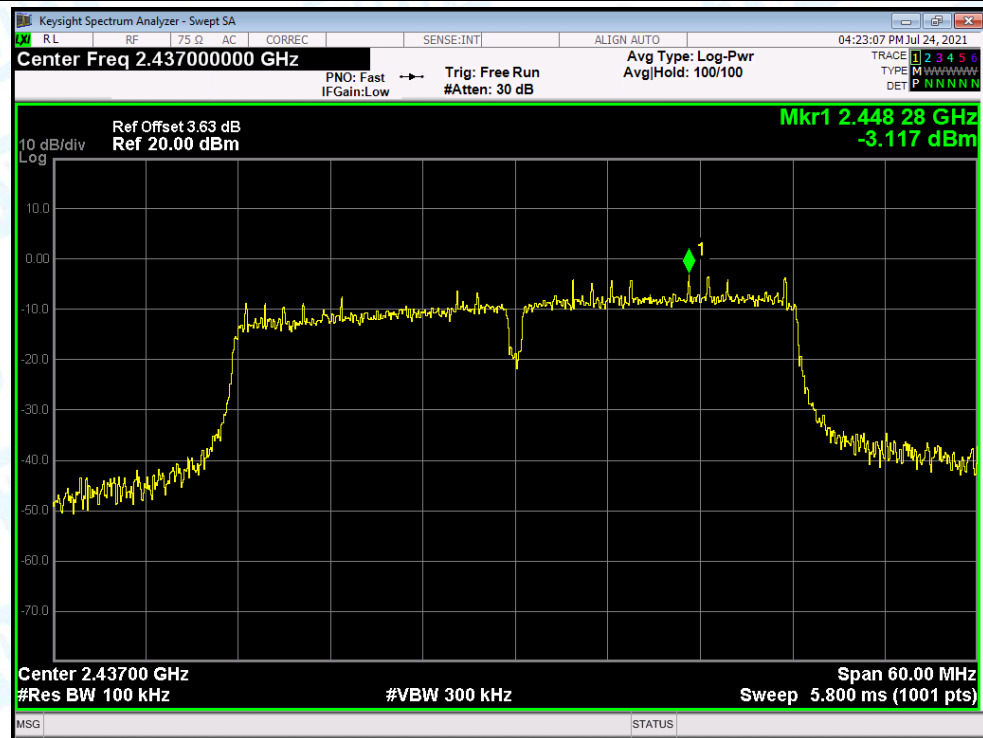
Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Ref



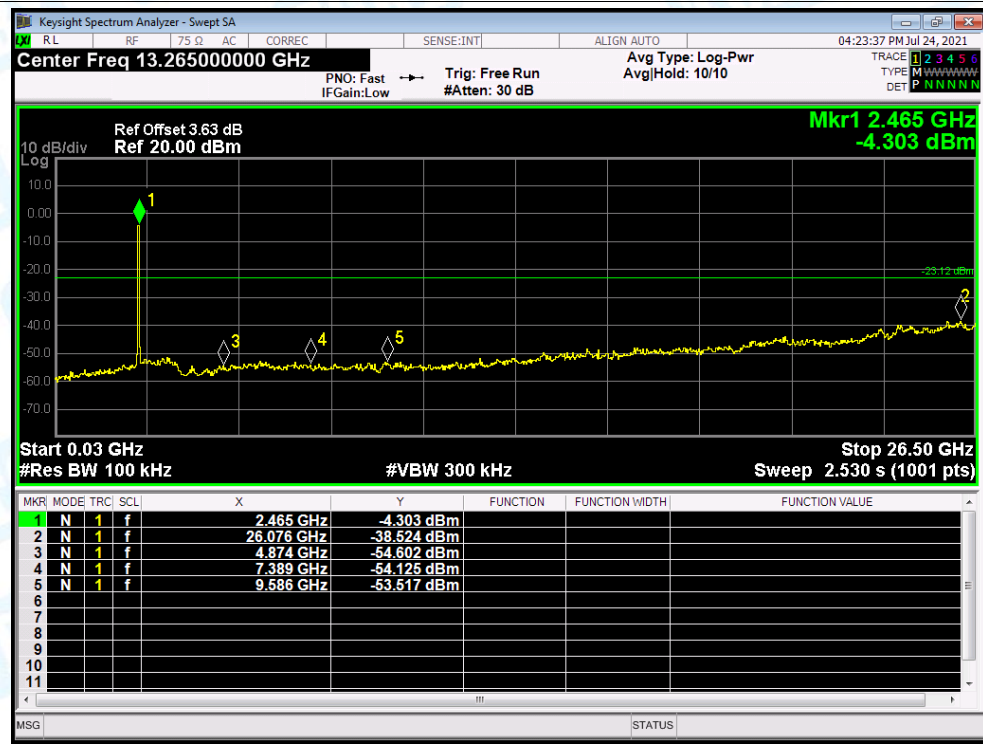
Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Ref



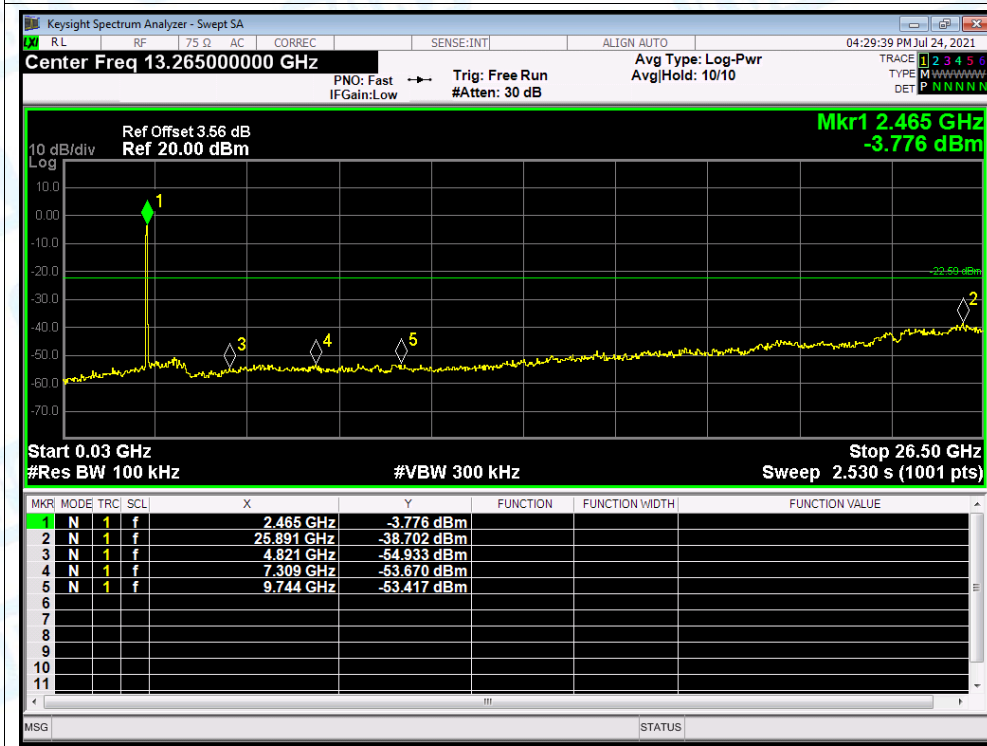
Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Ref



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Emission



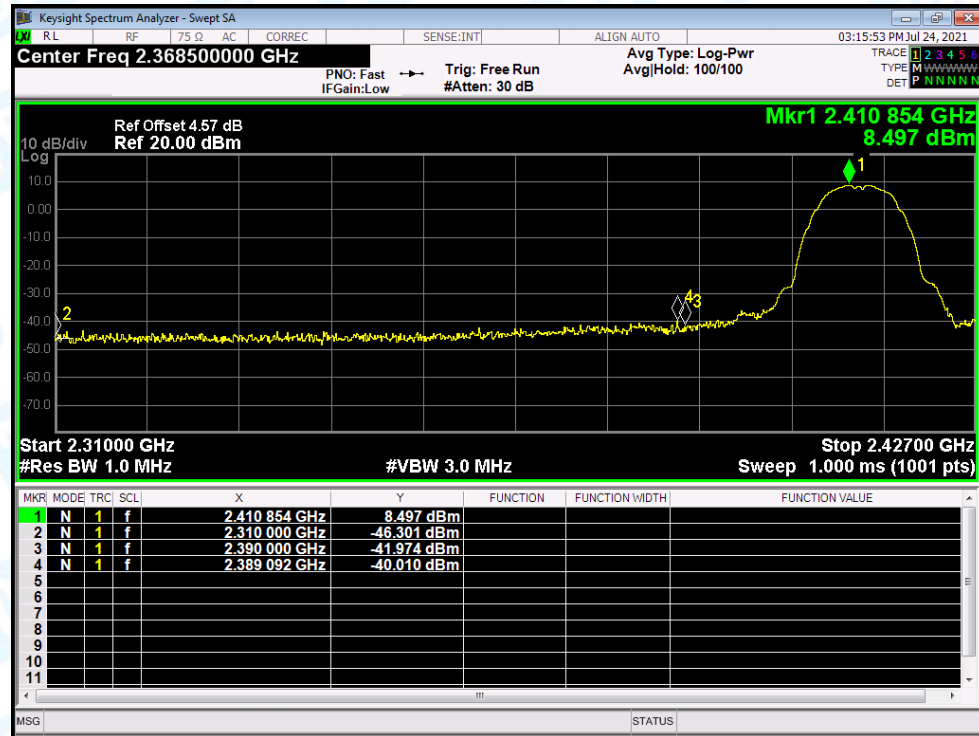
8.Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-46.63	2	50.63	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-56.41	2	40.85	Average	54	Pass
NVNT	b	2412	Ant1	2389.092	-40	2	57.26	Peak	74	Pass
NVNT	b	2412	Ant1	2384.295	-50.49	2	46.77	Average	54	Pass
NVNT	b	2412	Ant1	2390	-41.97	2	55.29	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-52.7	2	44.56	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-43.14	2	54.12	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-53.17	2	44.09	Average	54	Pass
NVNT	b	2462	Ant1	2484.418	-40.71	2	56.55	Peak	74	Pass
NVNT	b	2462	Ant1	2489.135	-52.87	2	44.39	Average	54	Pass
NVNT	b	2462	Ant1	2500	-44.99	2	52.27	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-54.09	2	43.17	Average	54	Pass
NVNT	g	2412	Ant1	2310	-46.9	2	50.36	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-56.4	2	40.86	Average	54	Pass
NVNT	g	2412	Ant1	2389.326	-30.6	2	66.66	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-51.51	2	45.75	Average	54	Pass
NVNT	g	2412	Ant1	2390	-35.2	2	62.06	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-51.41	2	45.85	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-29.4	2	67.86	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-50.93	2	46.33	Average	54	Pass
NVNT	g	2462	Ant1	2484.047	-24.99	2	72.27	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-50.93	2	46.33	Average	54	Pass
NVNT	g	2462	Ant1	2500	-45.84	2	51.42	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-54.73	2	42.53	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2310	-45.22	2	52.04	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2310	-56.45	2	40.81	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2388.624	-28.1	2	69.16	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2389.911	-50.31	2	46.95	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2390	-28.26	2	69	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2390	-50.26	2	47	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-29.7	2	67.56	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-49.68	2	47.58	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2484.1	-25.2	2	72.06	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.517	-49.68	2	47.58	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2500	-43.93	2	53.33	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2500	-54.69	2	42.57	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2310	-47.72	2	49.54	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2310	-56.42	2	40.84	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2388.242	-29.94	2	67.32	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2389.946	-50.9	2	46.36	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2390	-35.3	2	61.96	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2390	-50.79	2	46.47	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2483.5	-27.72	2	69.54	Peak	74	Pass

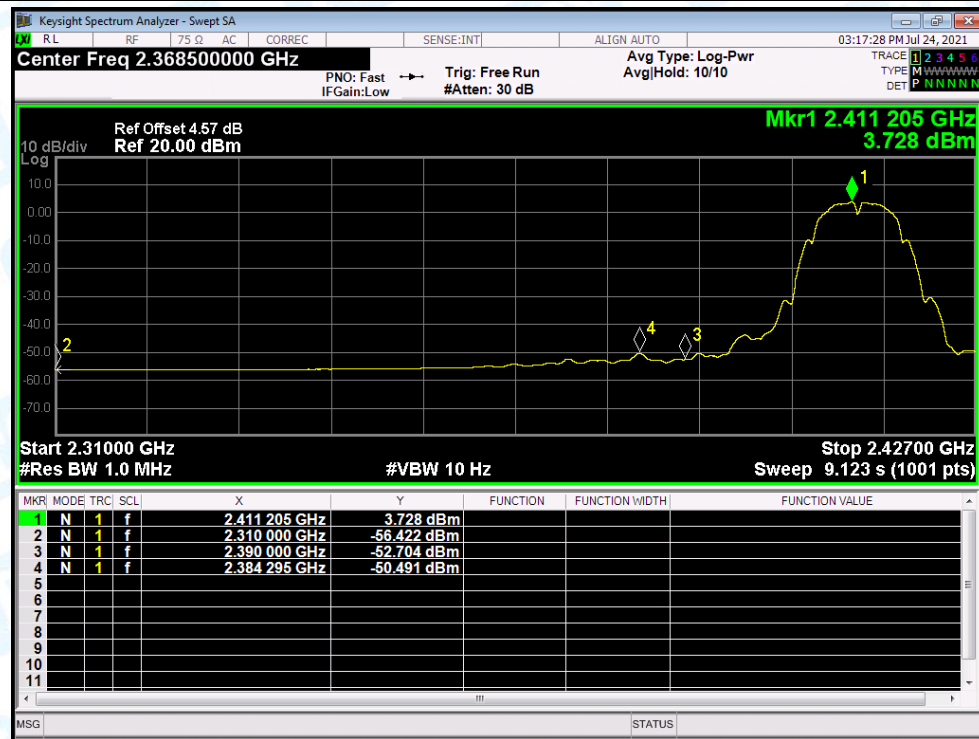
NVNT	n(HT40)	2452	Ant1	2483.5	-48.15	2	49.11	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2485.96	-26.78	2	70.48	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2483.542	-48.15	2	49.11	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2500	-43.53	2	53.73	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2500	-54.01	2	43.25	Average	54	Pass

Test Graphs

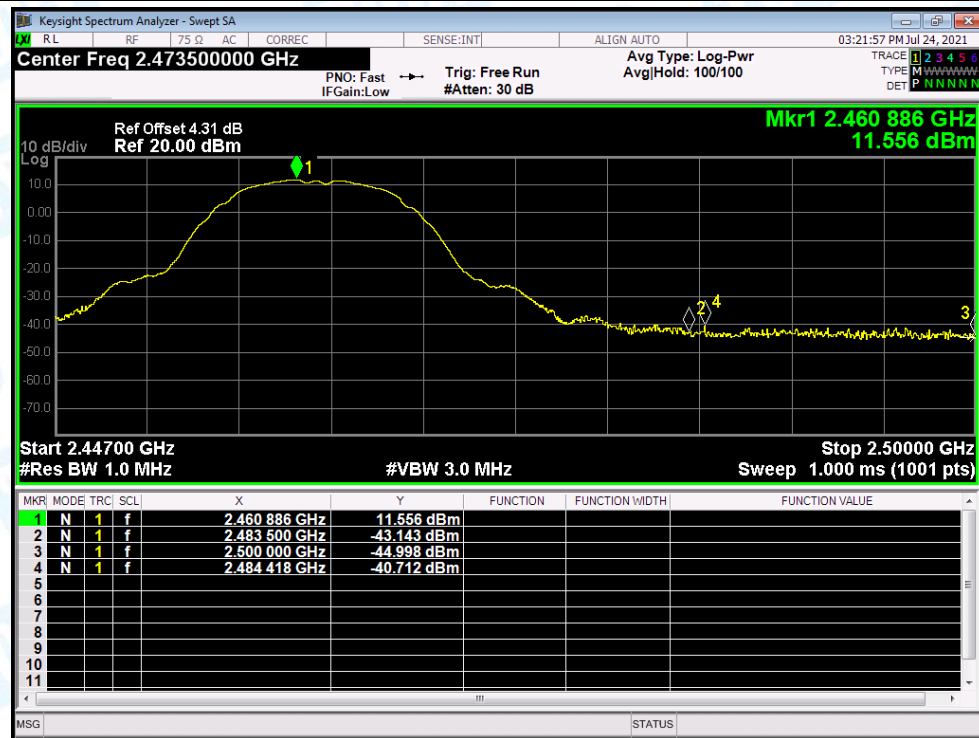
Restrict Band NVNT b 2412MHz Ant1 Peak



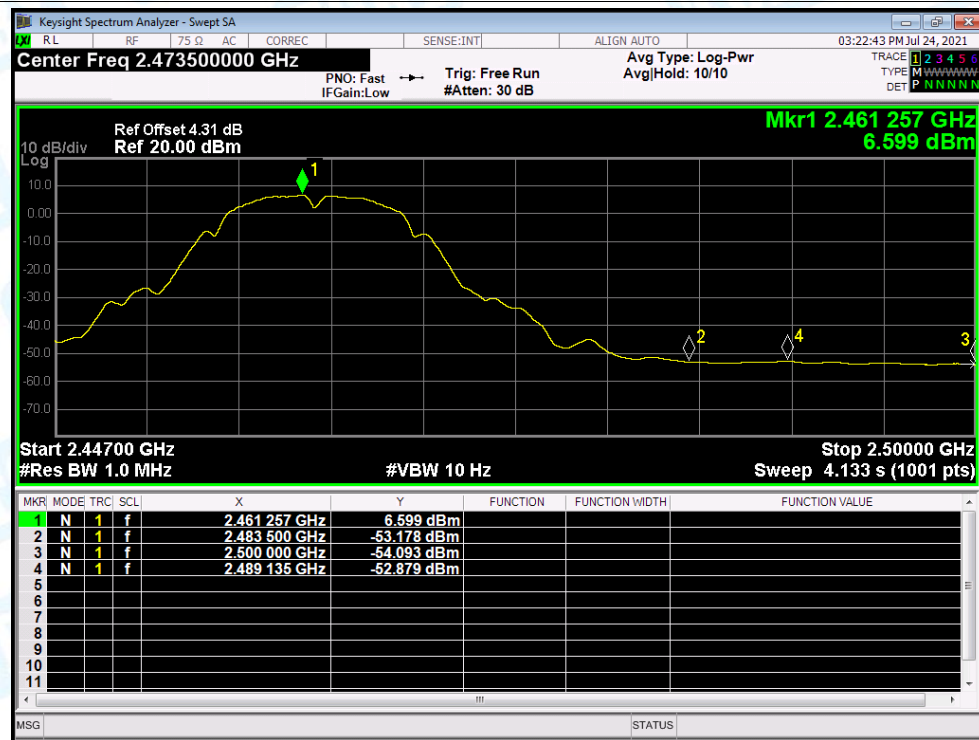
Restrict Band NVNT b 2412MHz Ant1 Average



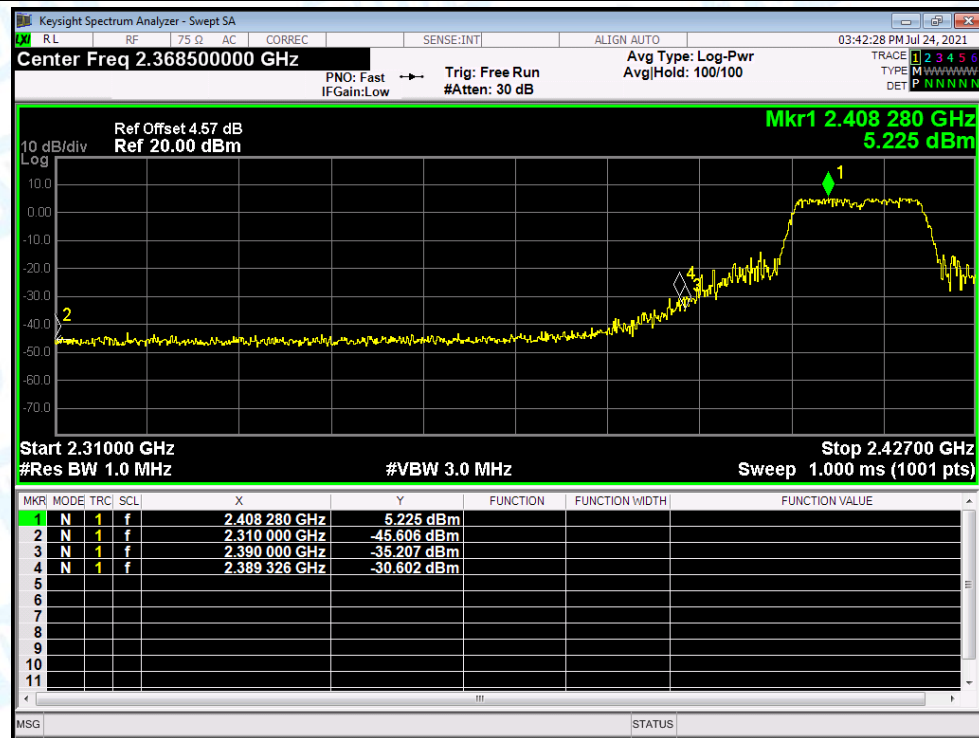
Restrict Band NVNT b 2462MHz Ant1 Peak



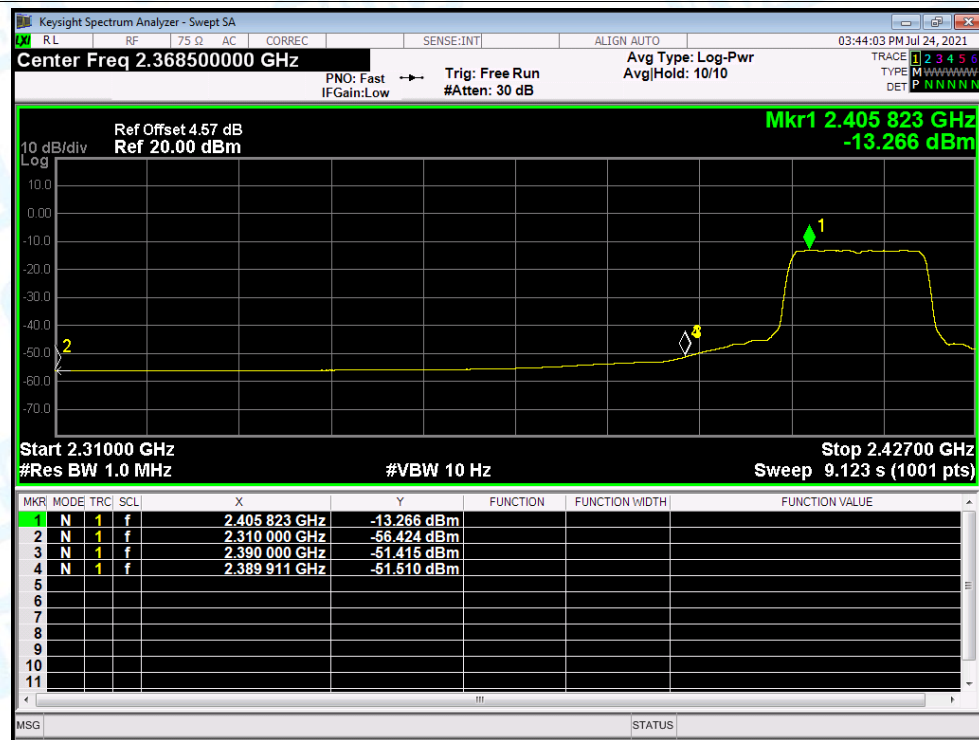
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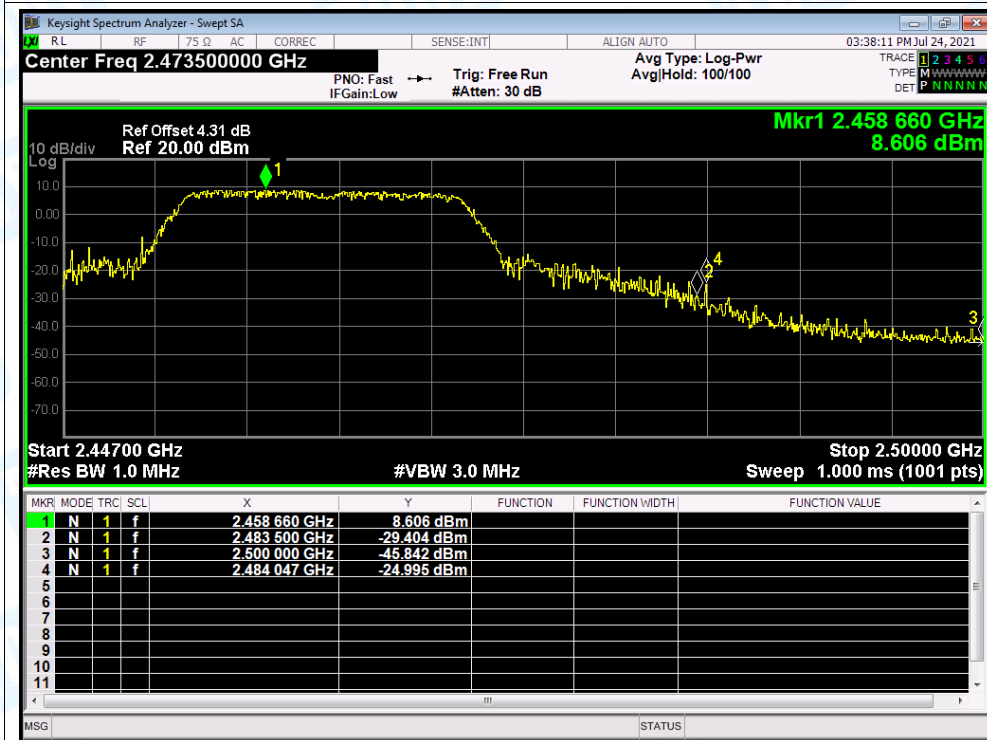
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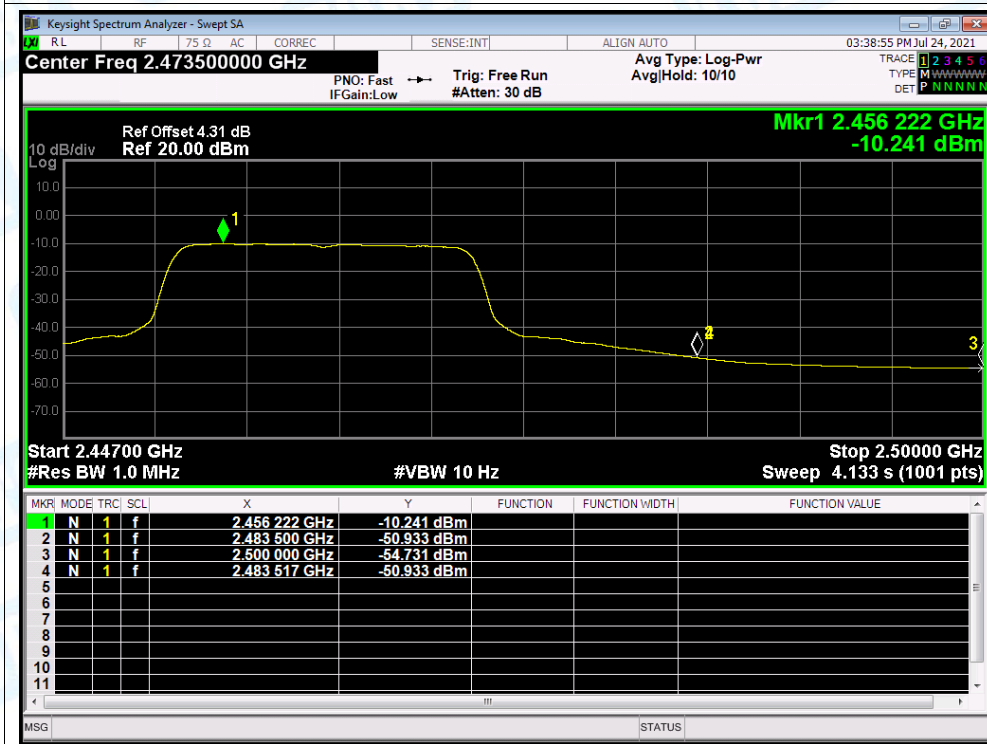
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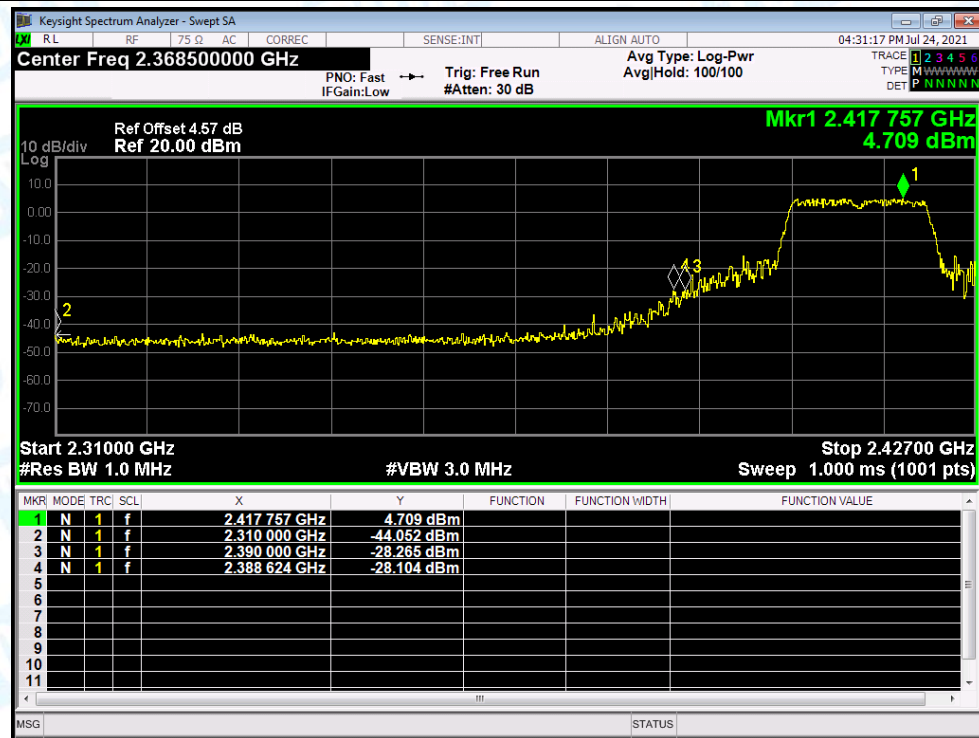
Restrict Band NVNT g 2462MHz Ant1 Peak



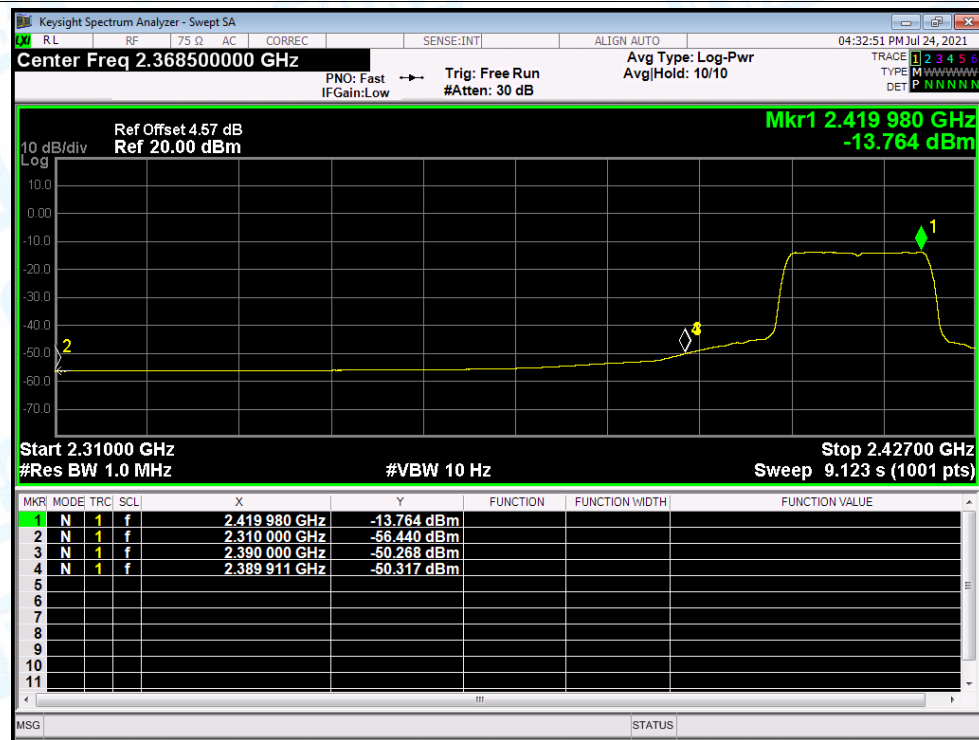
Restrict Band NVNT g 2462MHz Ant1 Average



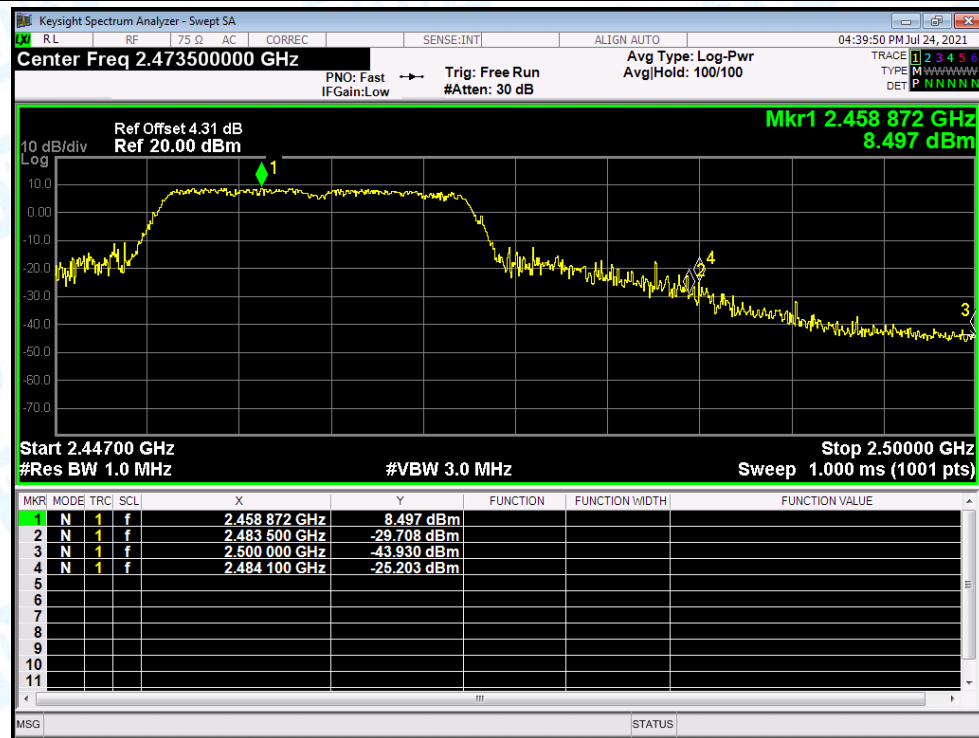
Restrict Band NVNT n(HT20) 2412MHz Ant1 Peak



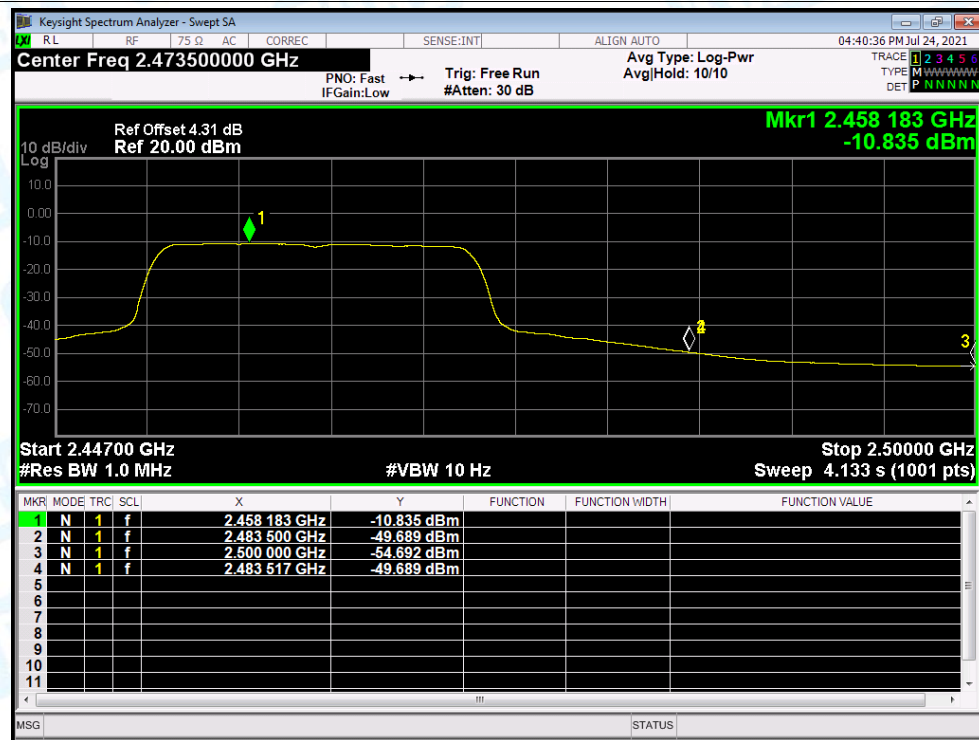
Restrict Band NVNT n(HT20) 2412MHz Ant1 Average



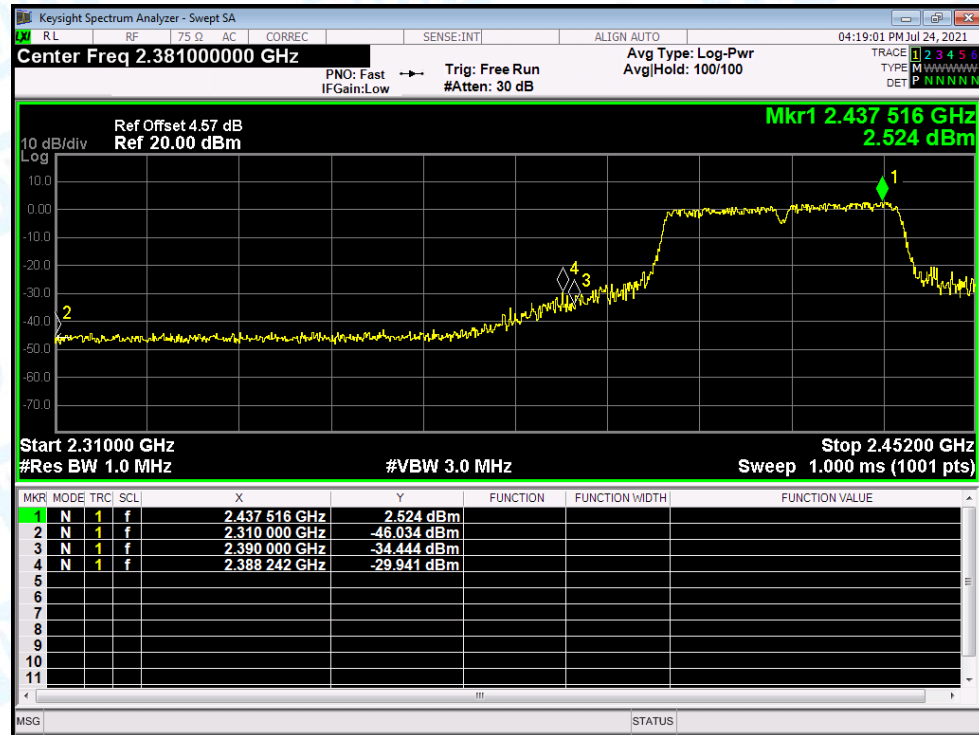
Restrict Band NVNT n(HT20) 2462MHz Ant1 Peak



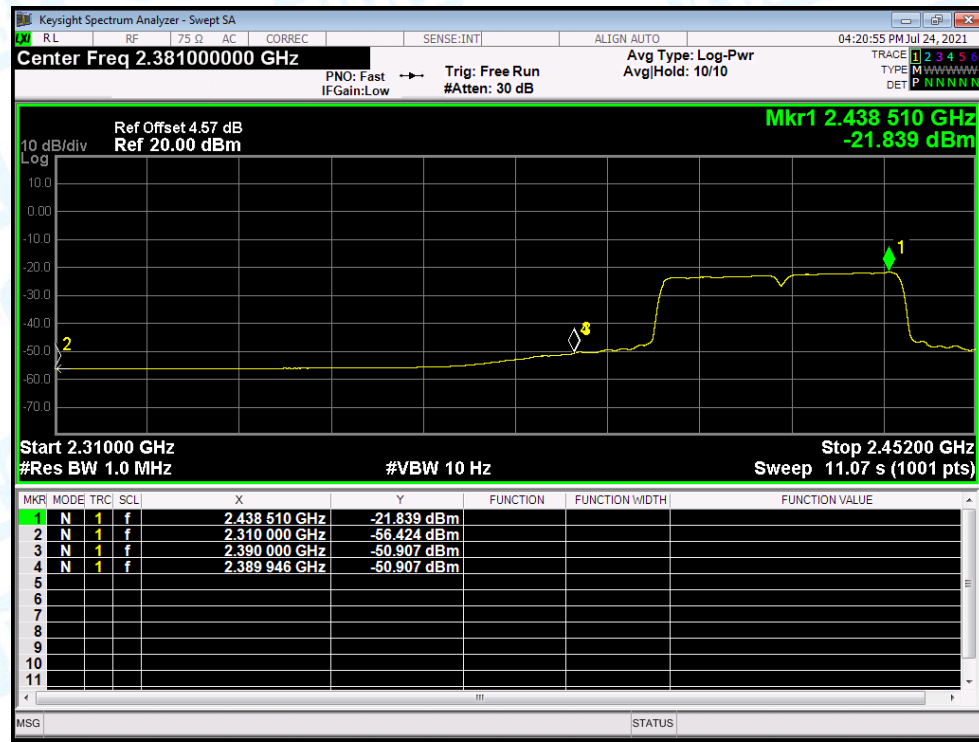
Restrict Band NVNT n(HT20) 2462MHz Ant1 Average



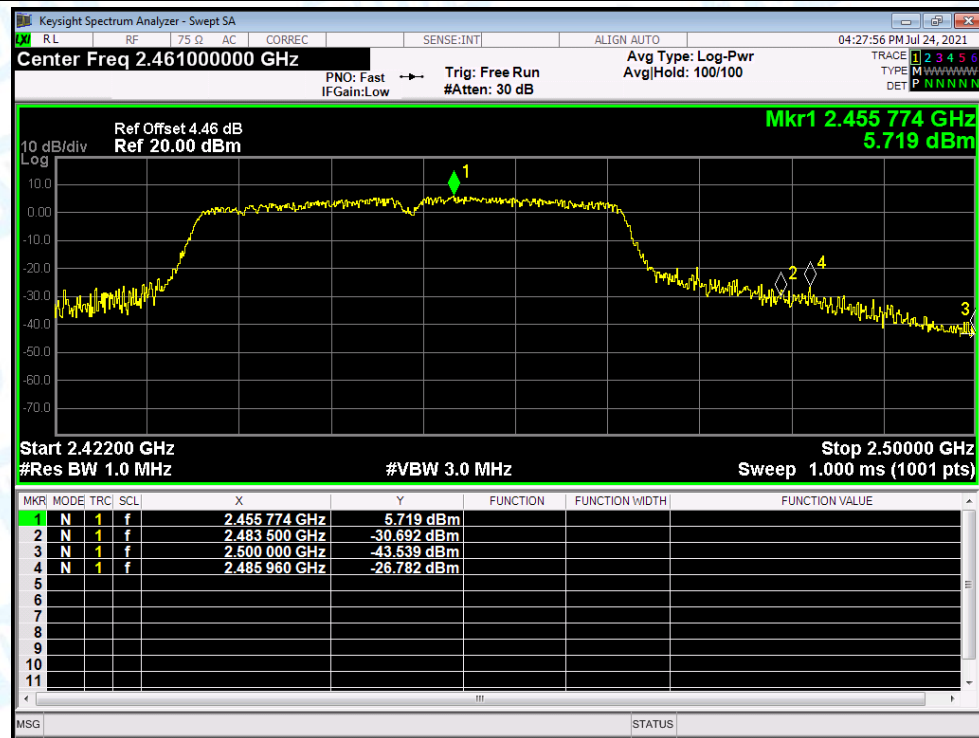
Restrict Band NVNT n(HT40) 2422MHz Ant1 Peak



Restrict Band NVNT n(HT40) 2422MHz Ant1 Average



Restrict Band NVNT n(HT40) 2452MHz Ant1 Peak



Restrict Band NVNT n(HT40) 2452MHz Ant1 Average

