

RF Test Data for 2.4G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet
Test Model:	Pad
Sample ID:	202307-0111-3-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202307-0111-42 The report only show the worst case data.	

Contents

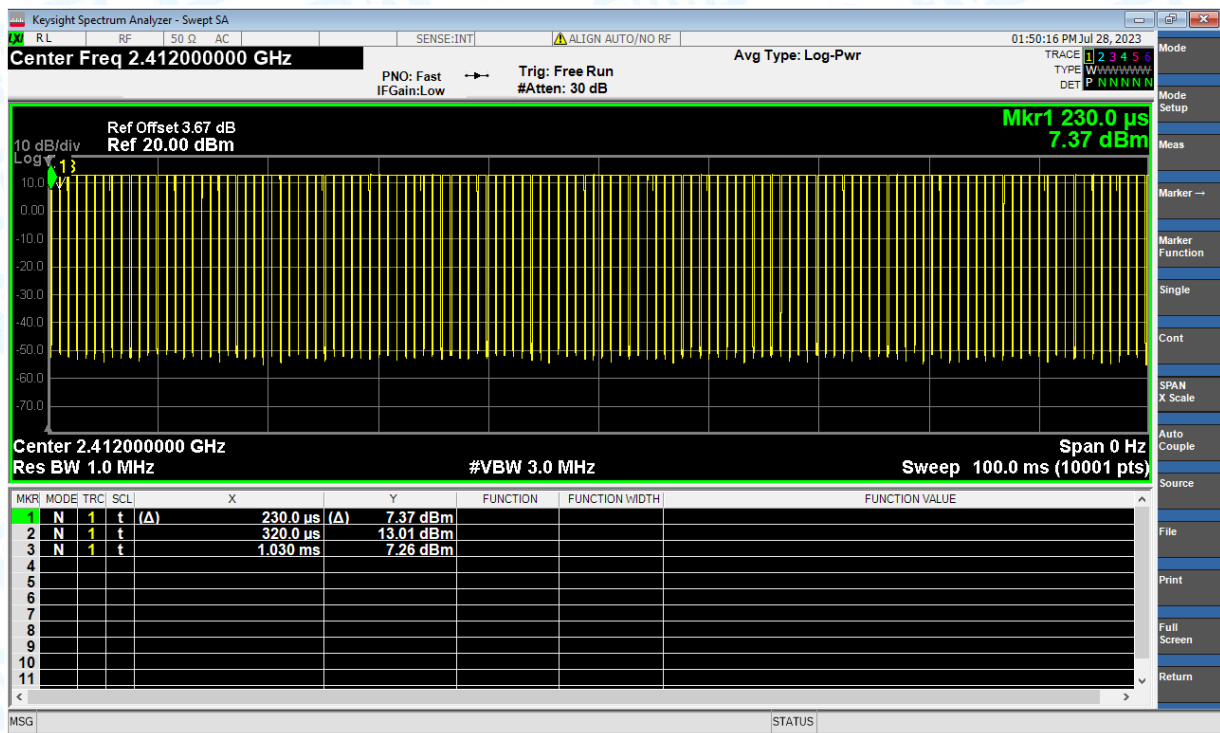
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1. Duty Cycle

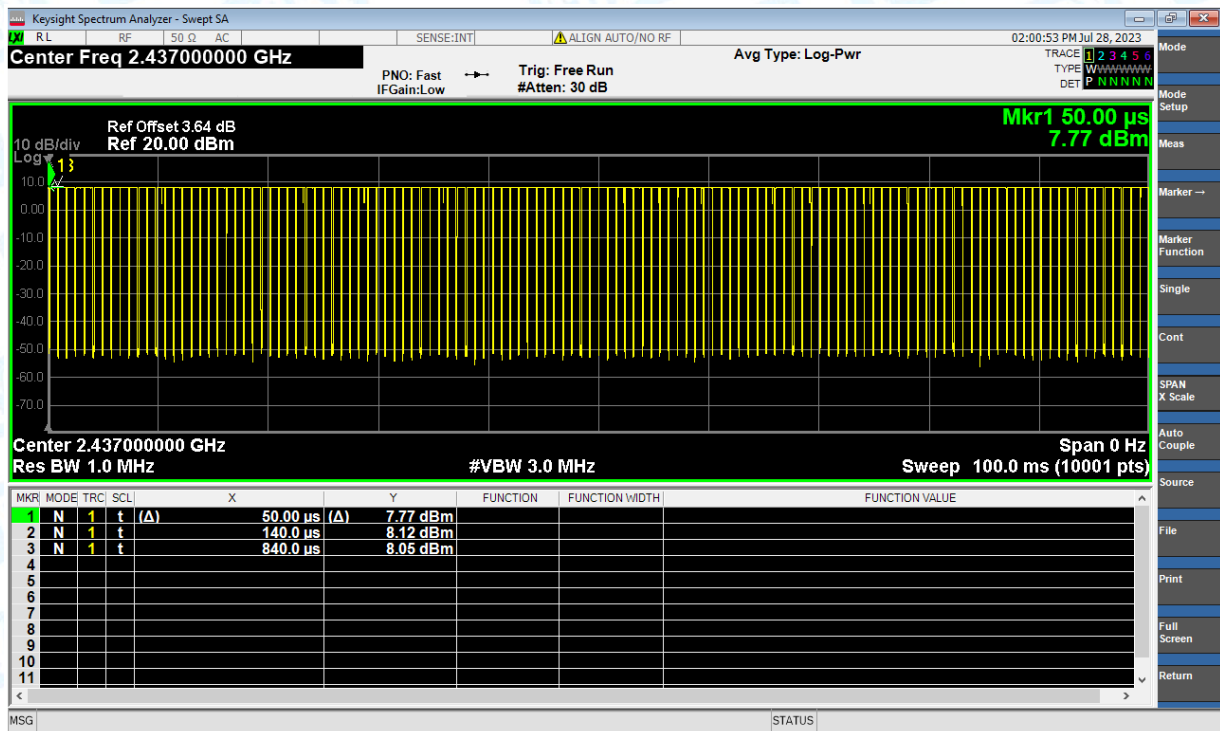
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	88.75	0.52	1.41
NVNT	b	2437	Ant1	88.61	0.53	1.43
NVNT	b	2462	Ant1	87.5	0.58	1.43
NVNT	g	2412	Ant1	57.14	2.43	8.33
NVNT	g	2437	Ant1	57.14	2.43	8.33
NVNT	g	2462	Ant1	57.89	2.37	9.09
NVNT	n(HT20)	2412	Ant1	54.55	2.63	8.33
NVNT	n(HT20)	2437	Ant1	52.17	2.83	8.33
NVNT	n(HT20)	2462	Ant1	55	2.6	9.09
NVNT	n(HT40)	2422	Ant1	43.75	3.59	14.29
NVNT	n(HT40)	2437	Ant1	33.33	4.77	12.5
NVNT	n(HT40)	2452	Ant1	29.17	5.35	14.29

Test Graphs

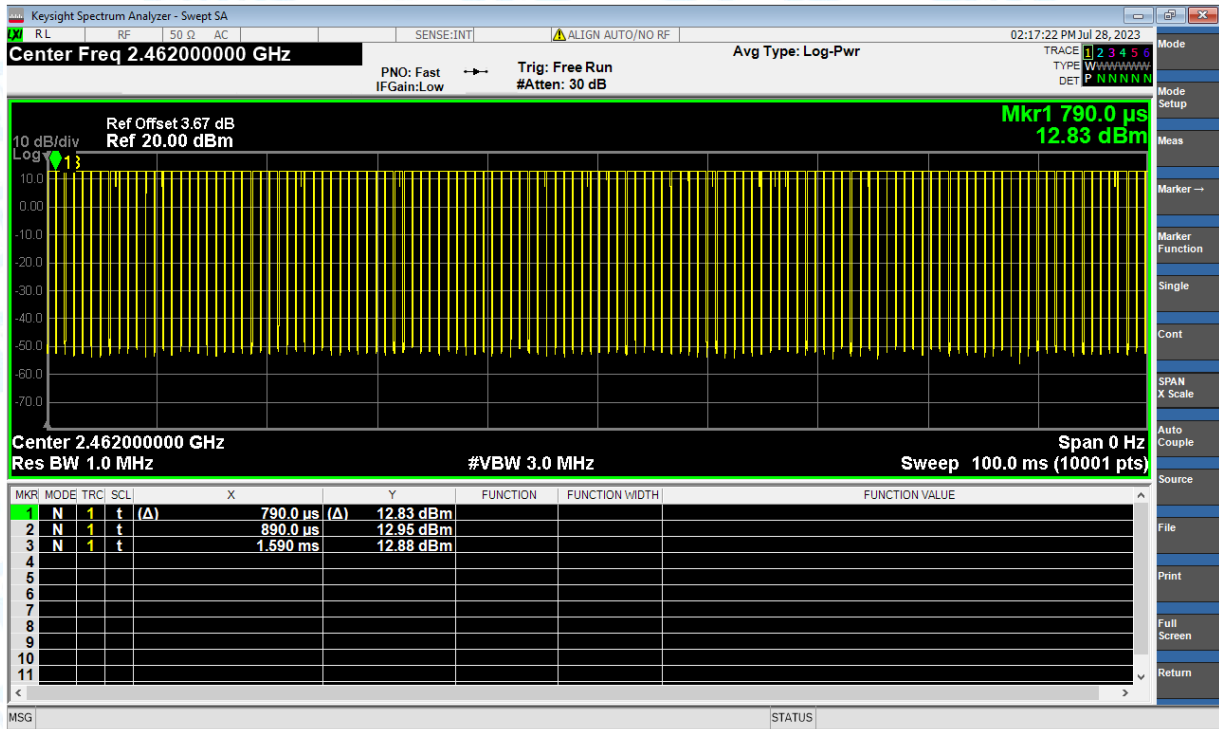
Duty Cycle NVNT b 2412MHz Ant1



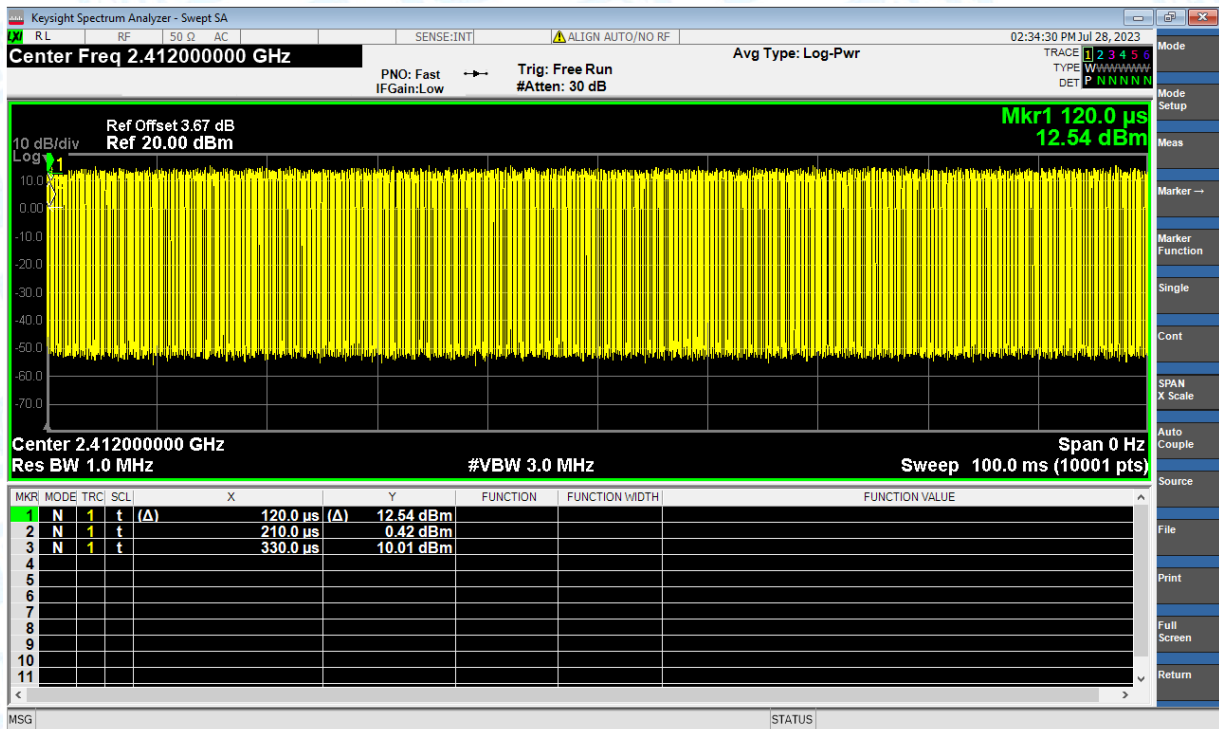
Duty Cycle NVNT b 2437MHz Ant1



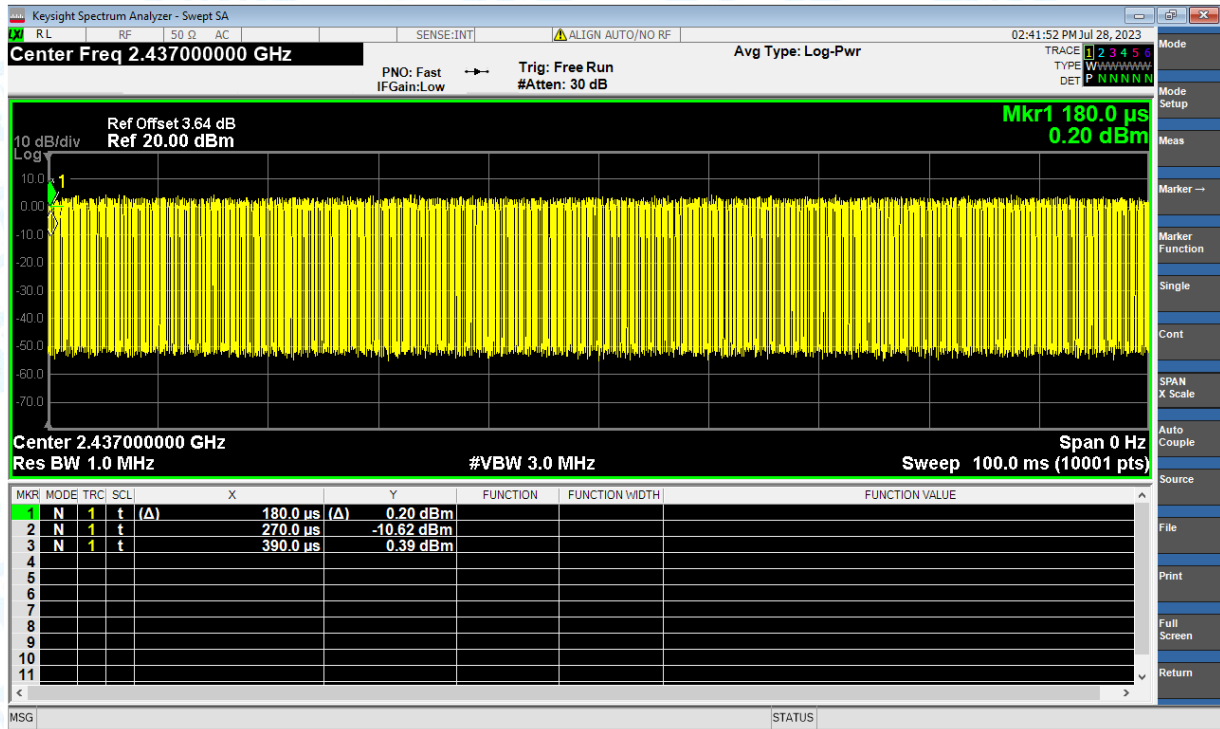
Duty Cycle NVNT b 2462MHz Ant1



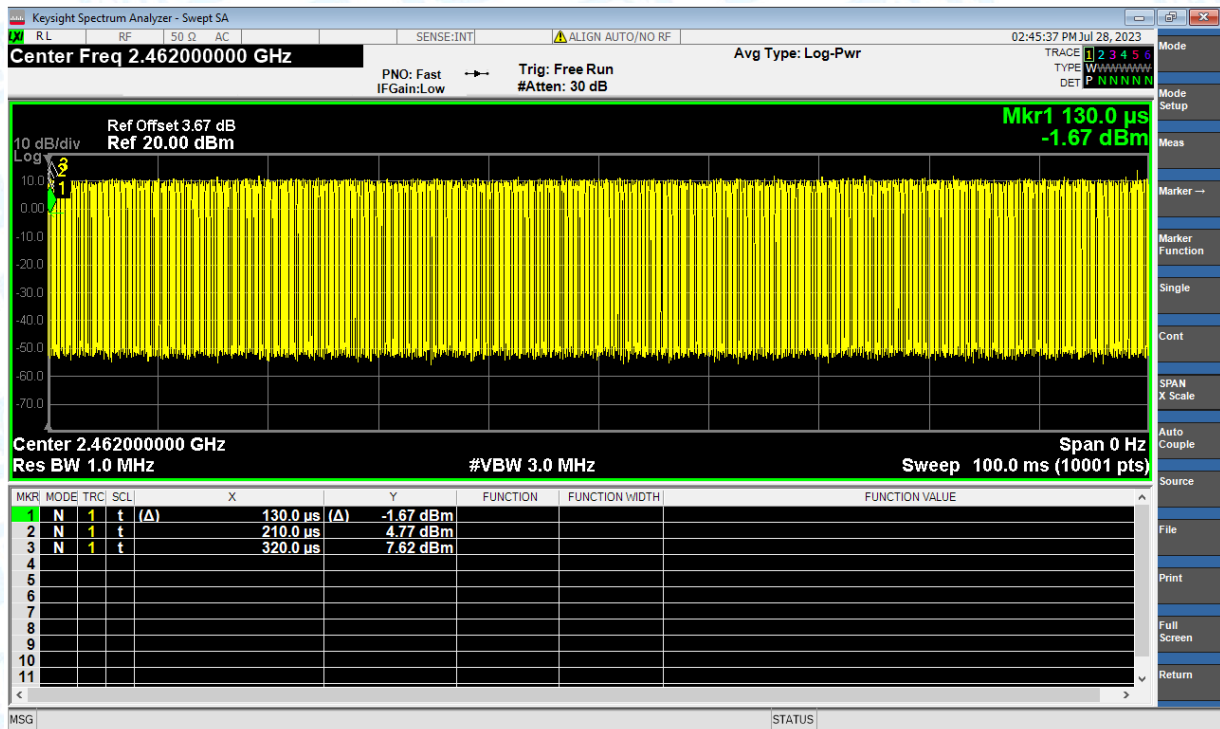
Duty Cycle NVNT g 2412MHz Ant1



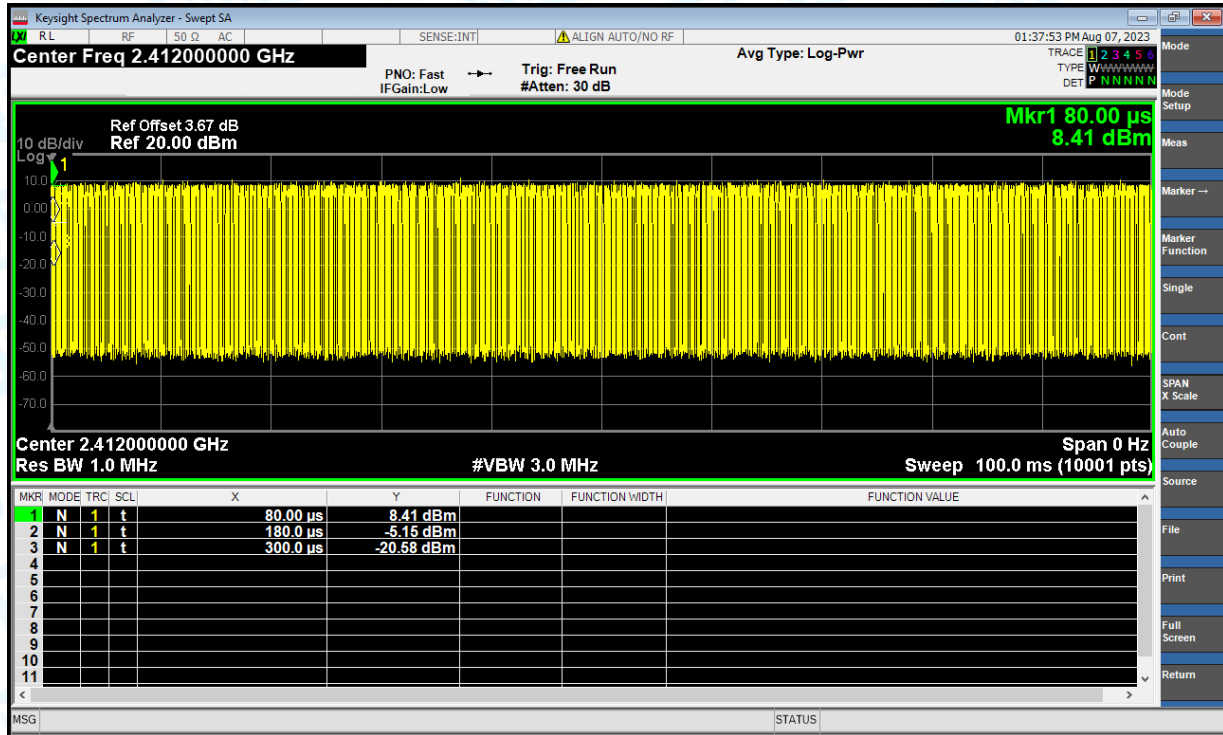
Duty Cycle NVNT g 2437MHz Ant1



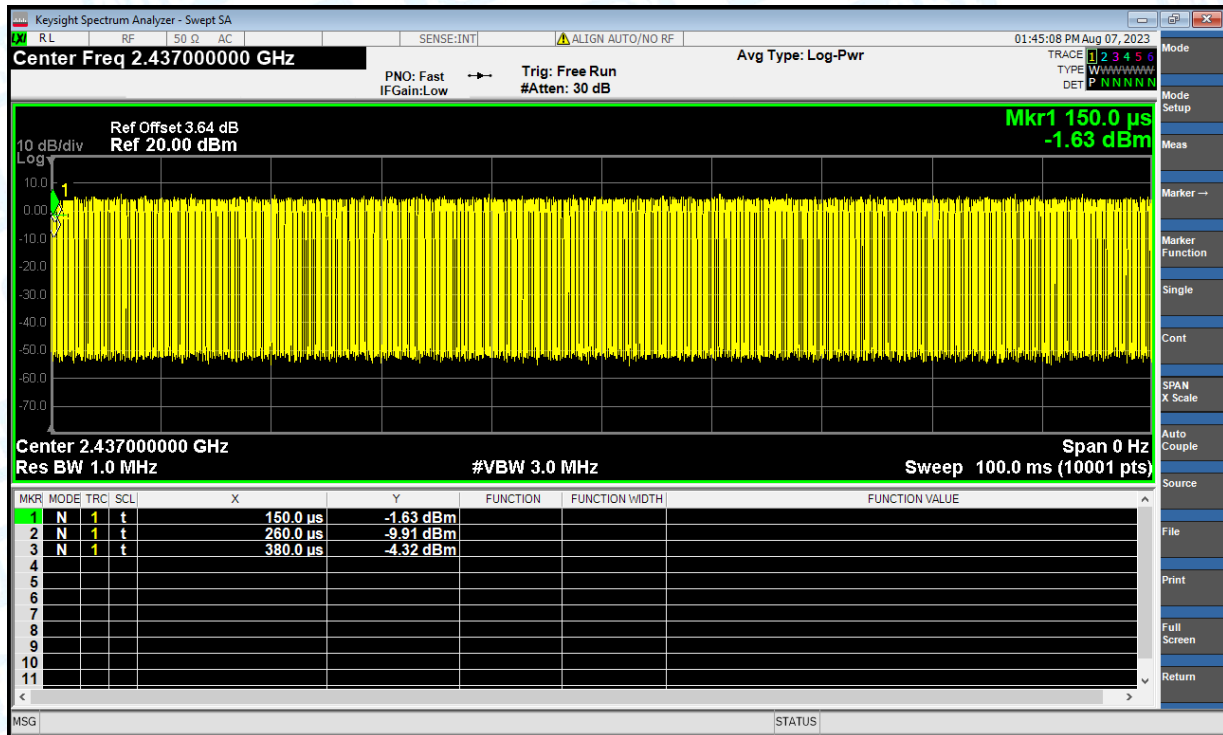
Duty Cycle NVNT g 2462MHz Ant1



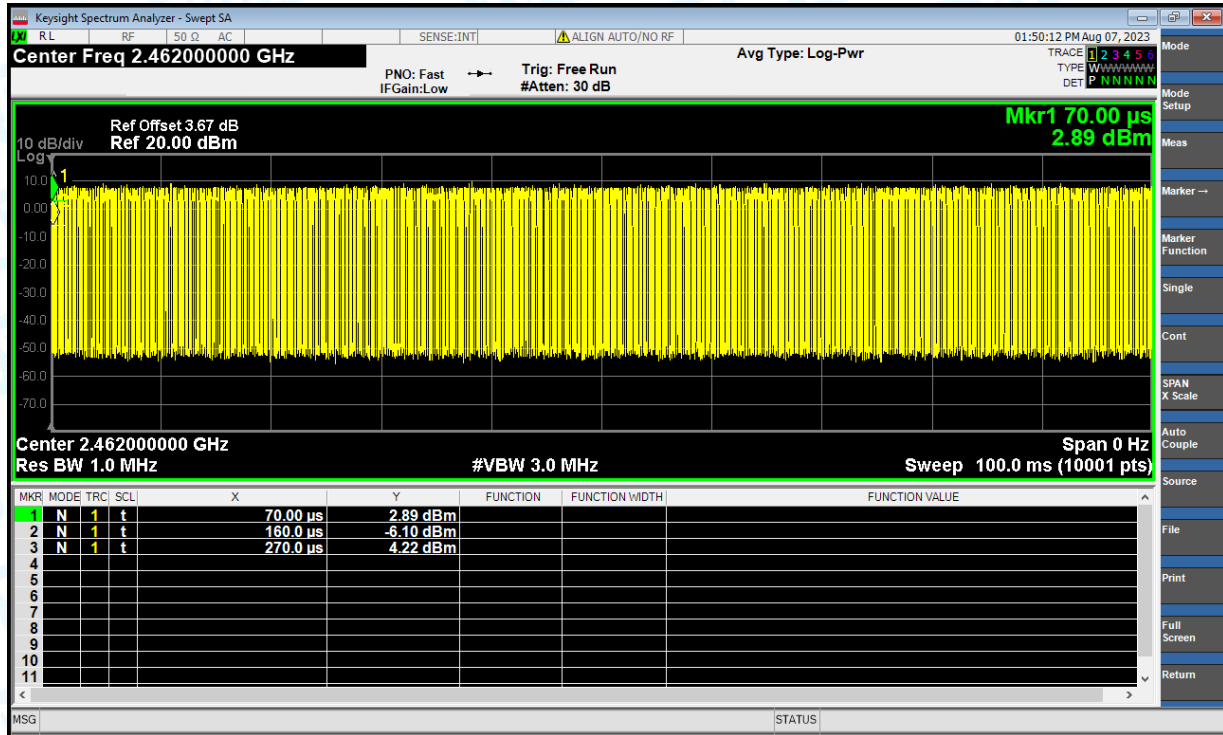
Duty Cycle NVNT n(HT20) 2412MHz Ant1



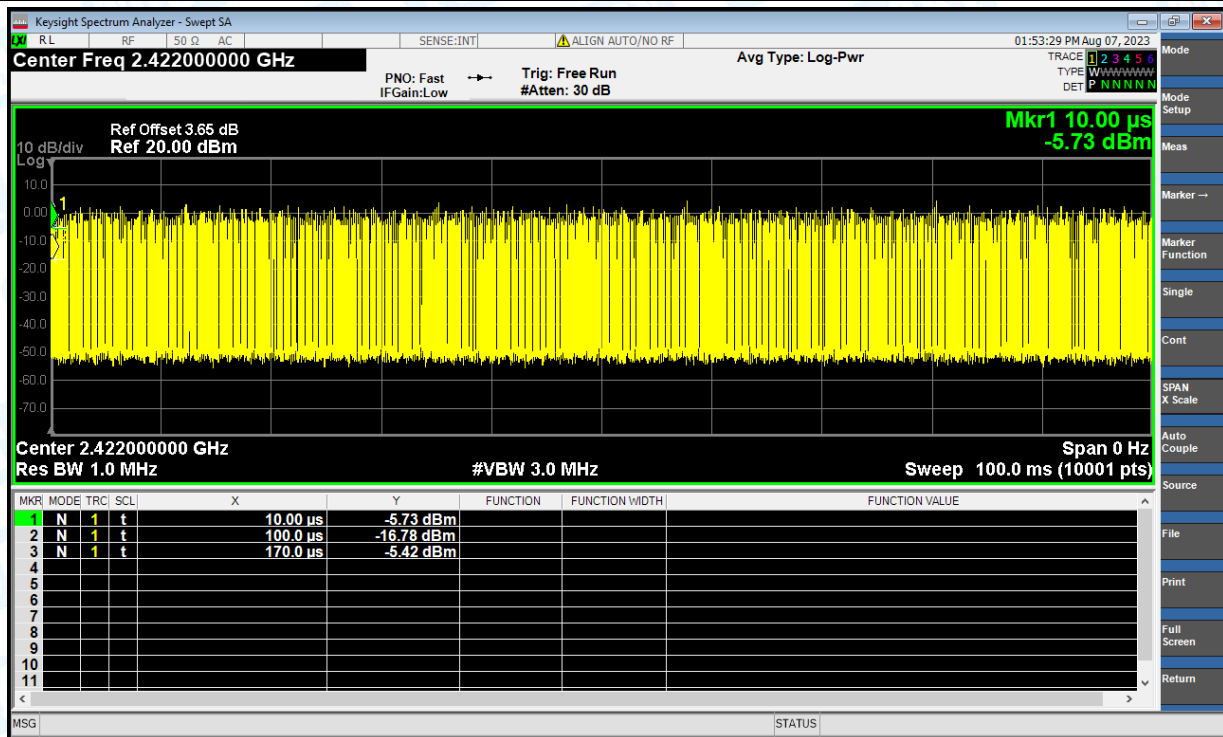
Duty Cycle NVNT n(HT20) 2437MHz Ant1



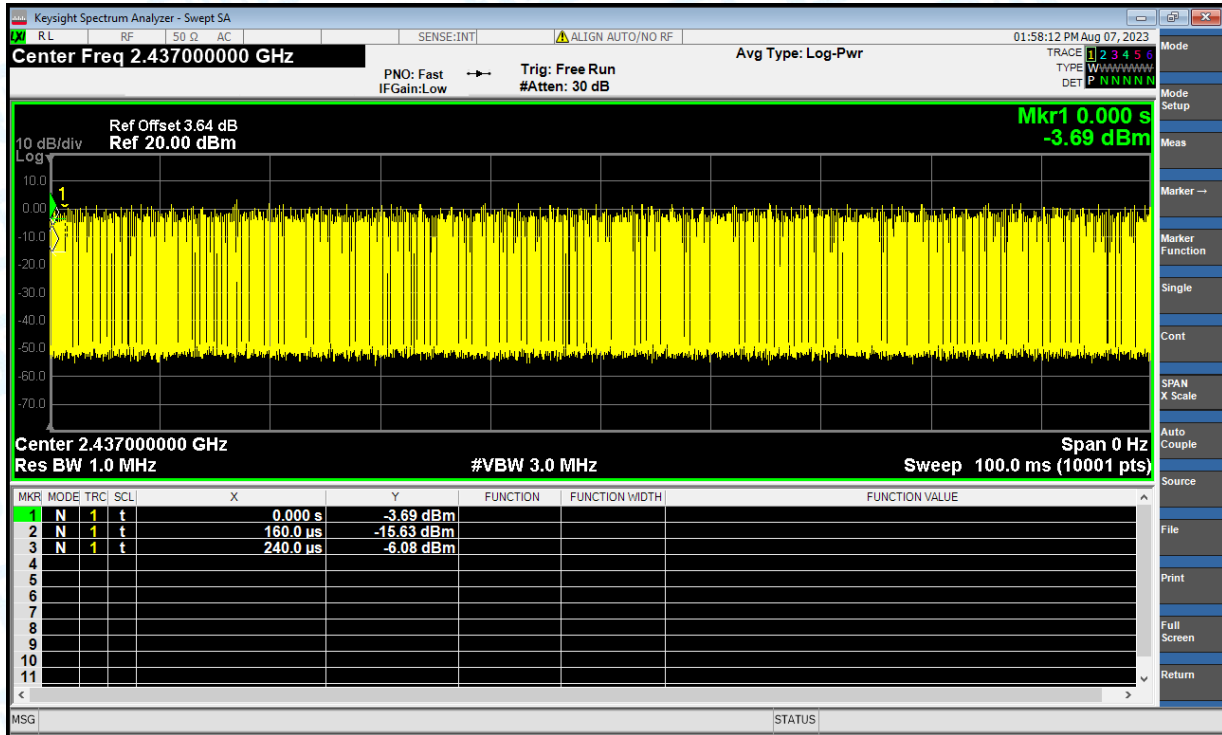
Duty Cycle NVNT n(HT20) 2462MHz Ant1



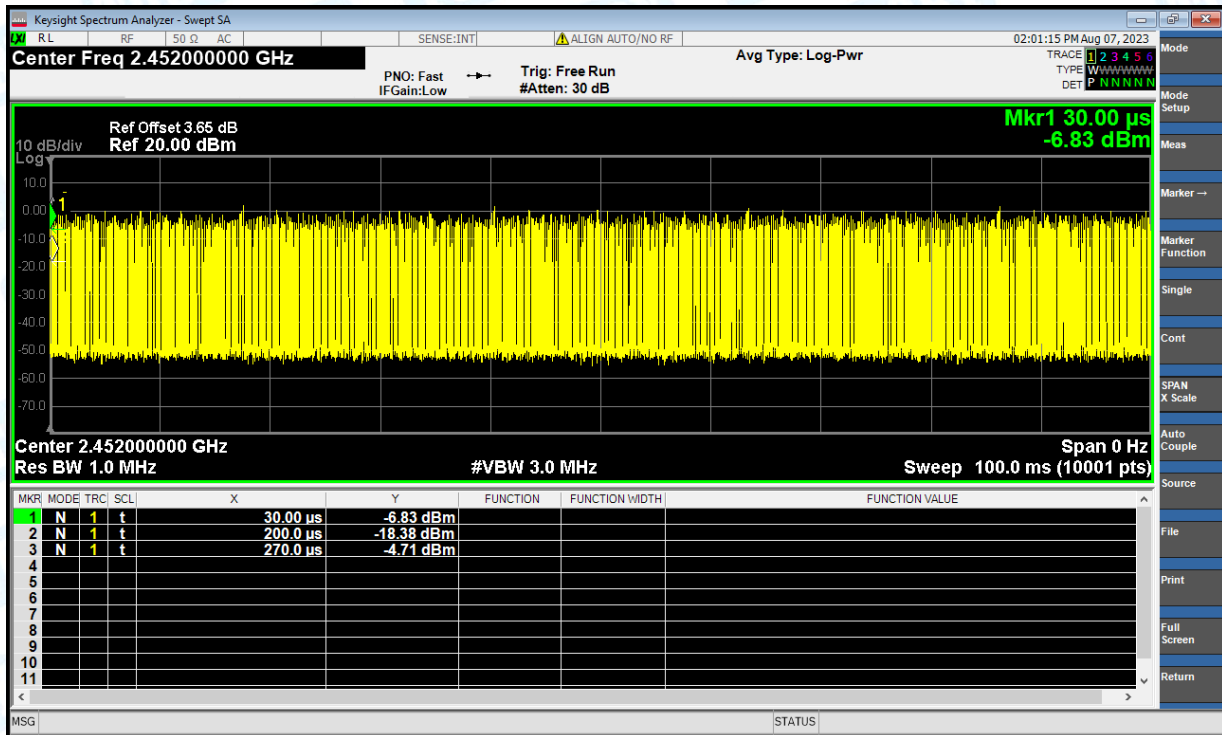
Duty Cycle NVNT n(HT40) 2422MHz Ant1



Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



2. Maximum Conducted Output Power

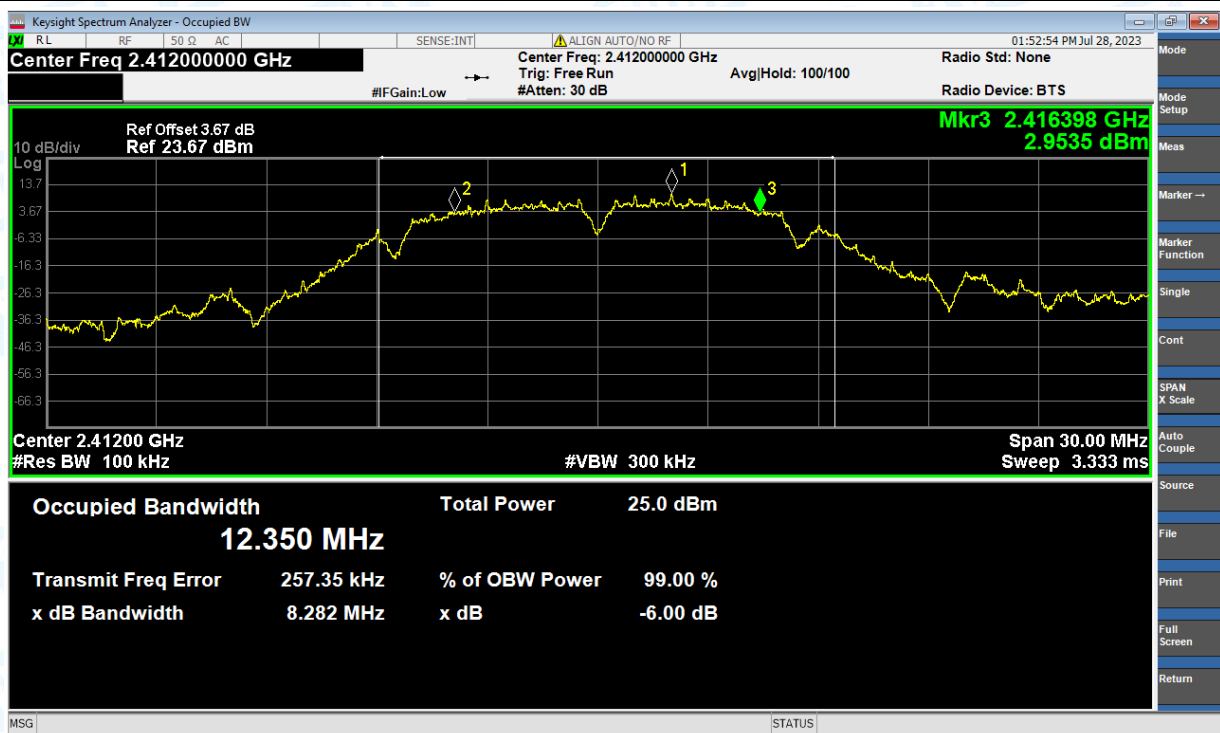
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	18.072	30	Pass
NVNT	b	2437	Ant1	16.343	30	Pass
NVNT	b	2462	Ant1	18.201	30	Pass
NVNT	g	2412	Ant1	10.415	30	Pass
NVNT	g	2437	Ant1	10.361	30	Pass
NVNT	g	2462	Ant1	13.402	30	Pass
NVNT	n(HT20)	2412	Ant1	11.502	30	Pass
NVNT	n(HT20)	2437	Ant1	10.693	30	Pass
NVNT	n(HT20)	2462	Ant1	10.552	30	Pass
NVNT	n(HT40)	2422	Ant1	6.866	30	Pass
NVNT	n(HT40)	2437	Ant1	7.955	30	Pass
NVNT	n(HT40)	2452	Ant1	6.226	30	Pass

3. -6dB Bandwidth

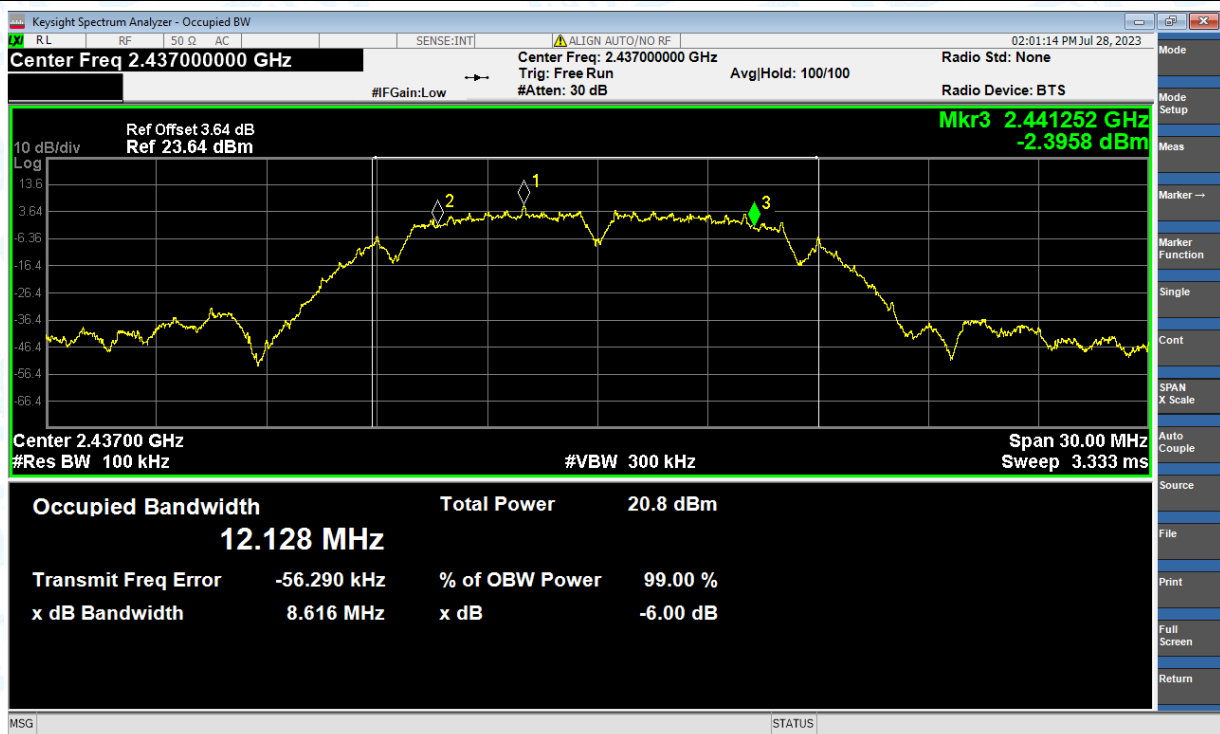
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.28	0.5	Pass
NVNT	b	2437	Ant1	8.62	0.5	Pass
NVNT	b	2462	Ant1	9.07	0.5	Pass
NVNT	g	2412	Ant1	15.09	0.5	Pass
NVNT	g	2437	Ant1	15.76	0.5	Pass
NVNT	g	2462	Ant1	15.73	0.5	Pass
NVNT	n(HT20)	2412	Ant1	15.92	0.5	Pass
NVNT	n(HT20)	2437	Ant1	16.58	0.5	Pass
NVNT	n(HT20)	2462	Ant1	15.98	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.06	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.54	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.17	0.5	Pass

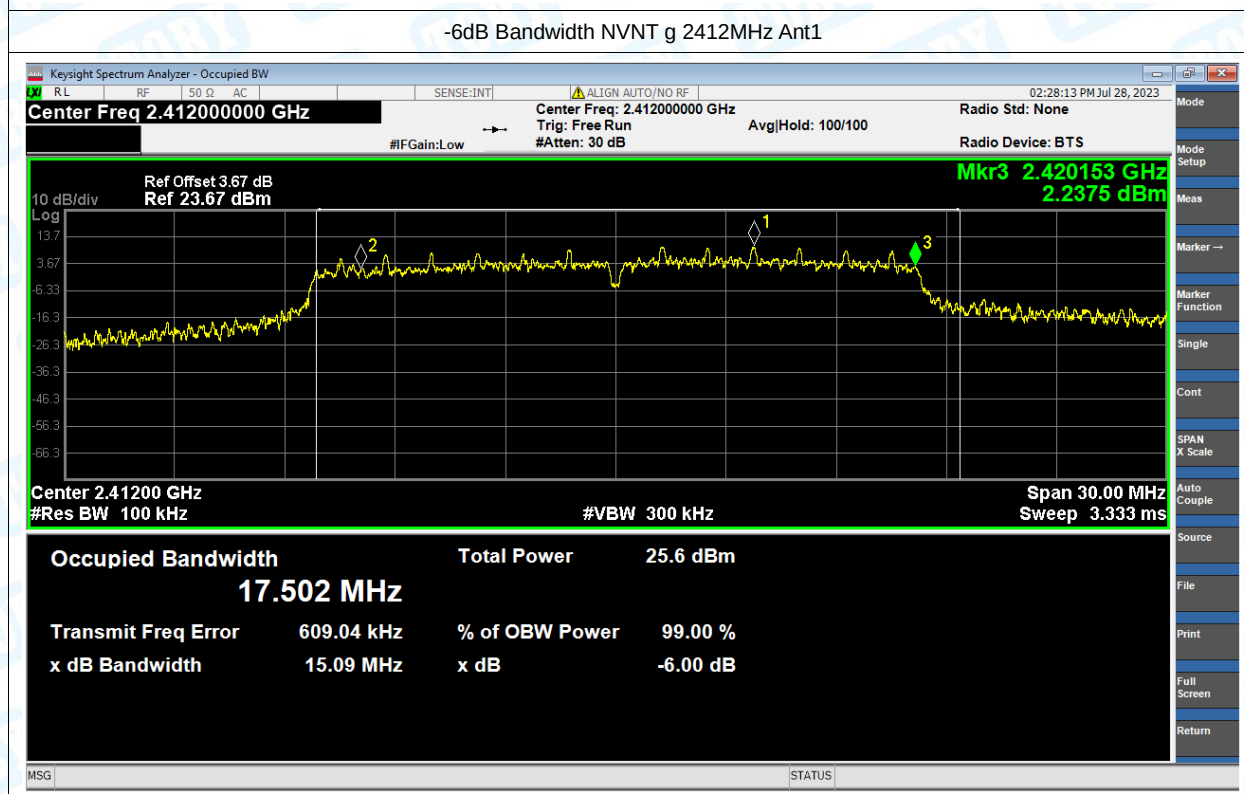
Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

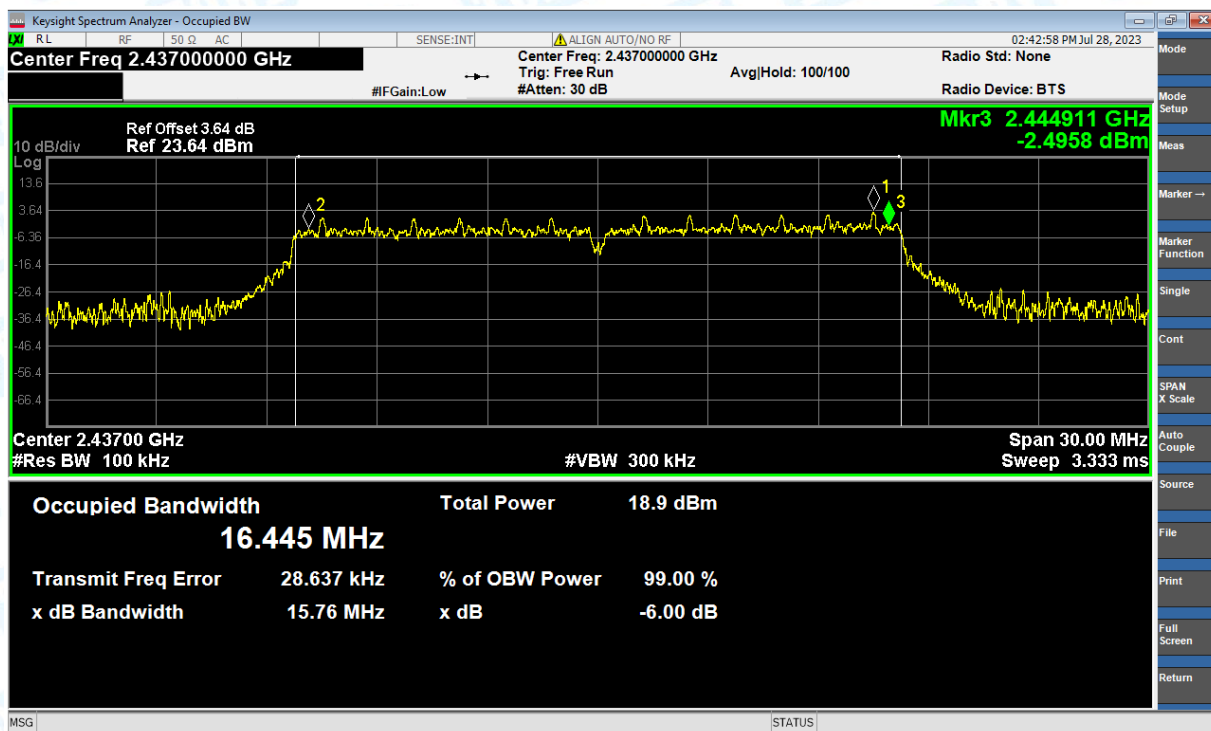


-6dB Bandwidth NVNT b 2437MHz Ant1

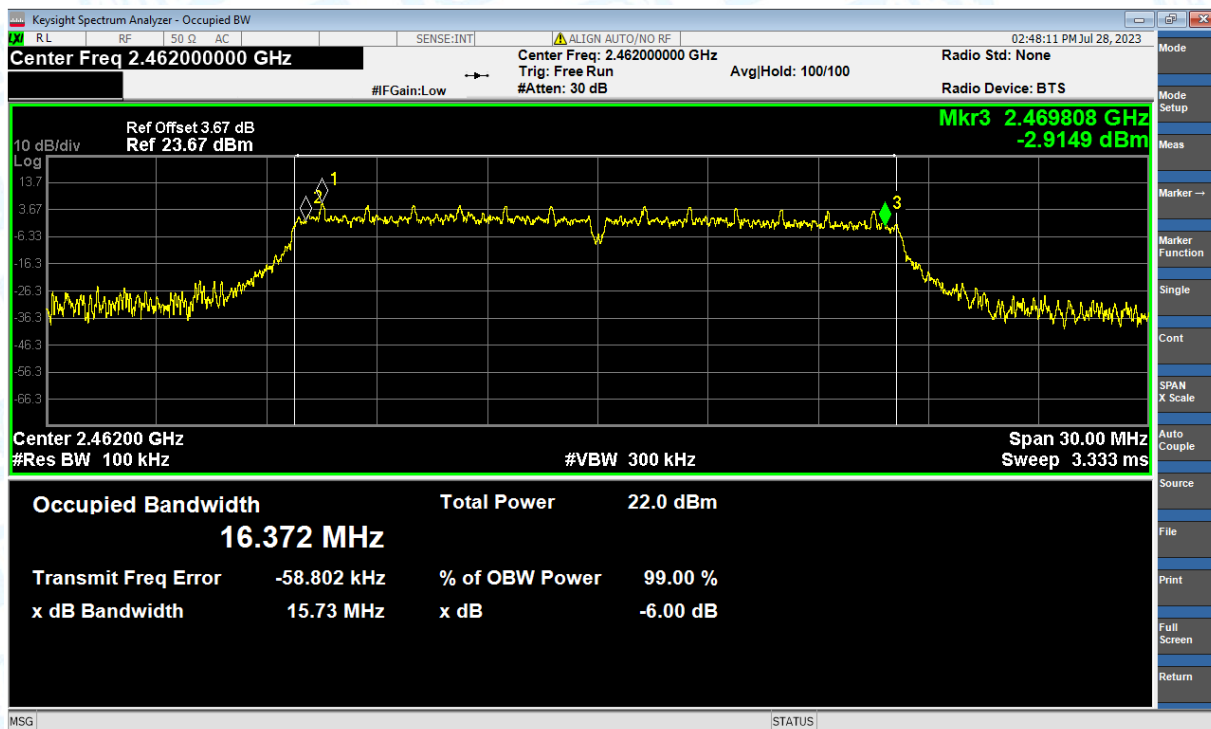




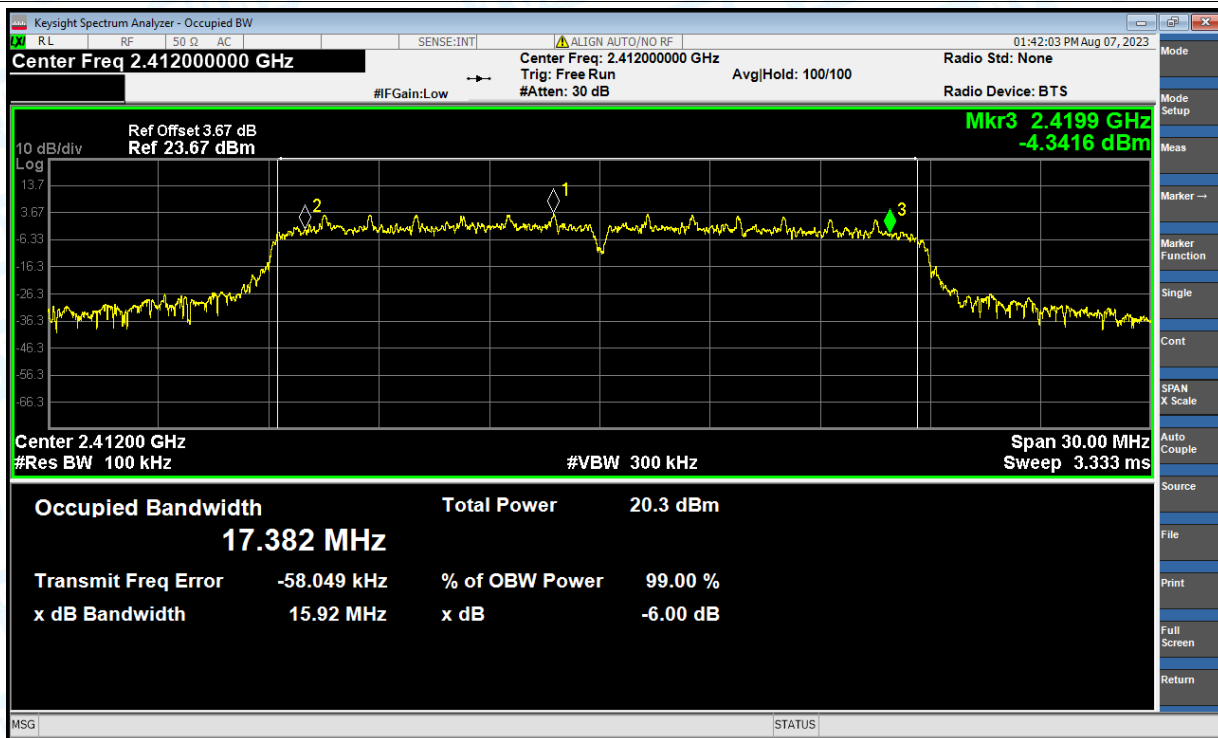
-6dB Bandwidth NVNT g 2437MHz Ant1



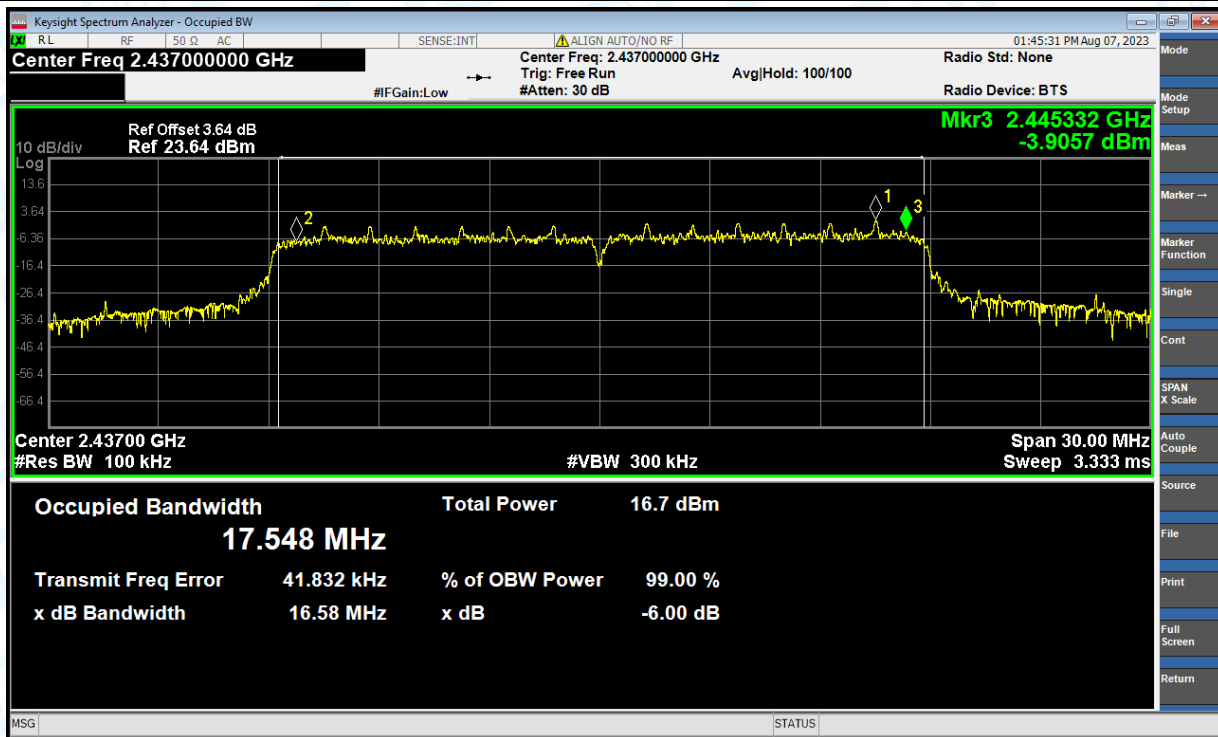
-6dB Bandwidth NVNT g 2462MHz Ant1



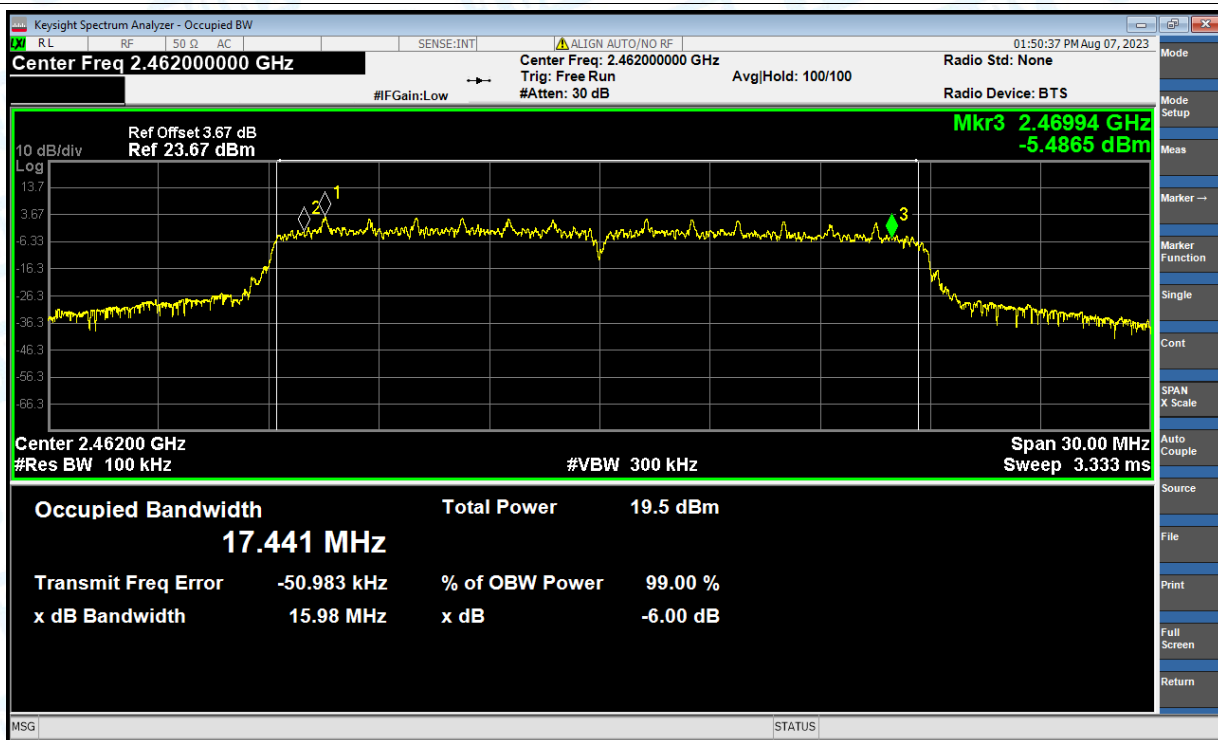
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



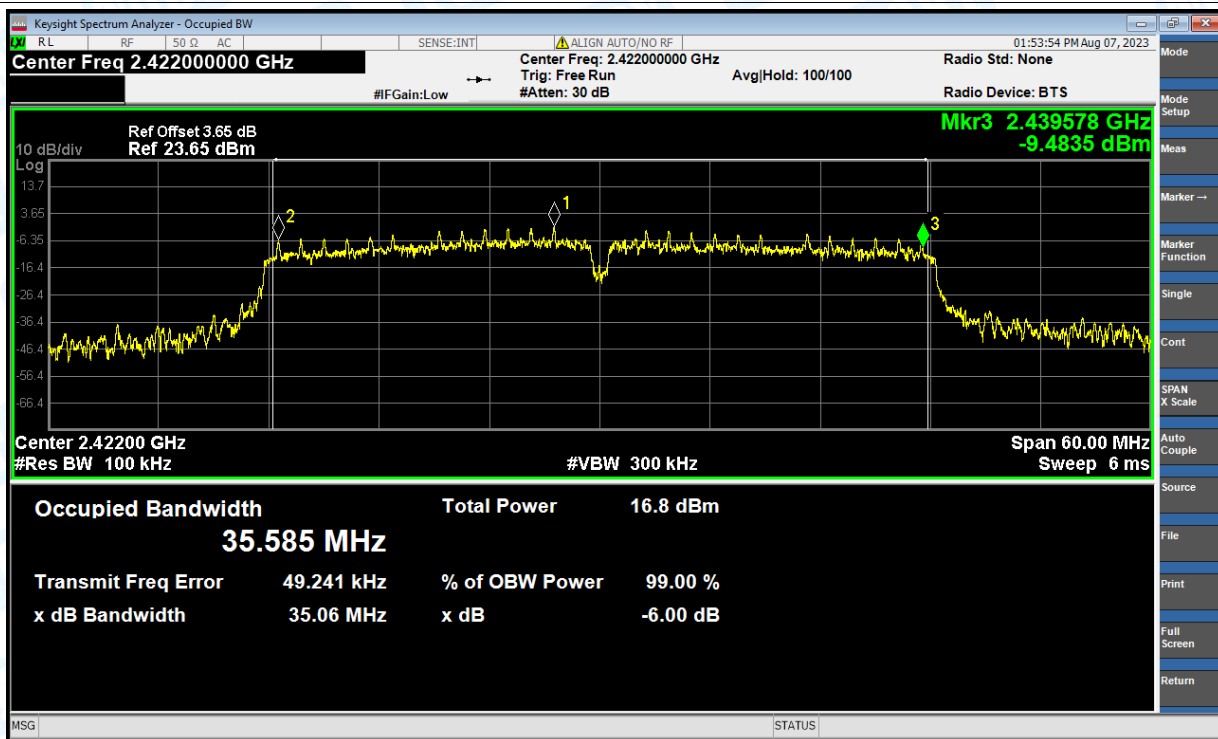
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



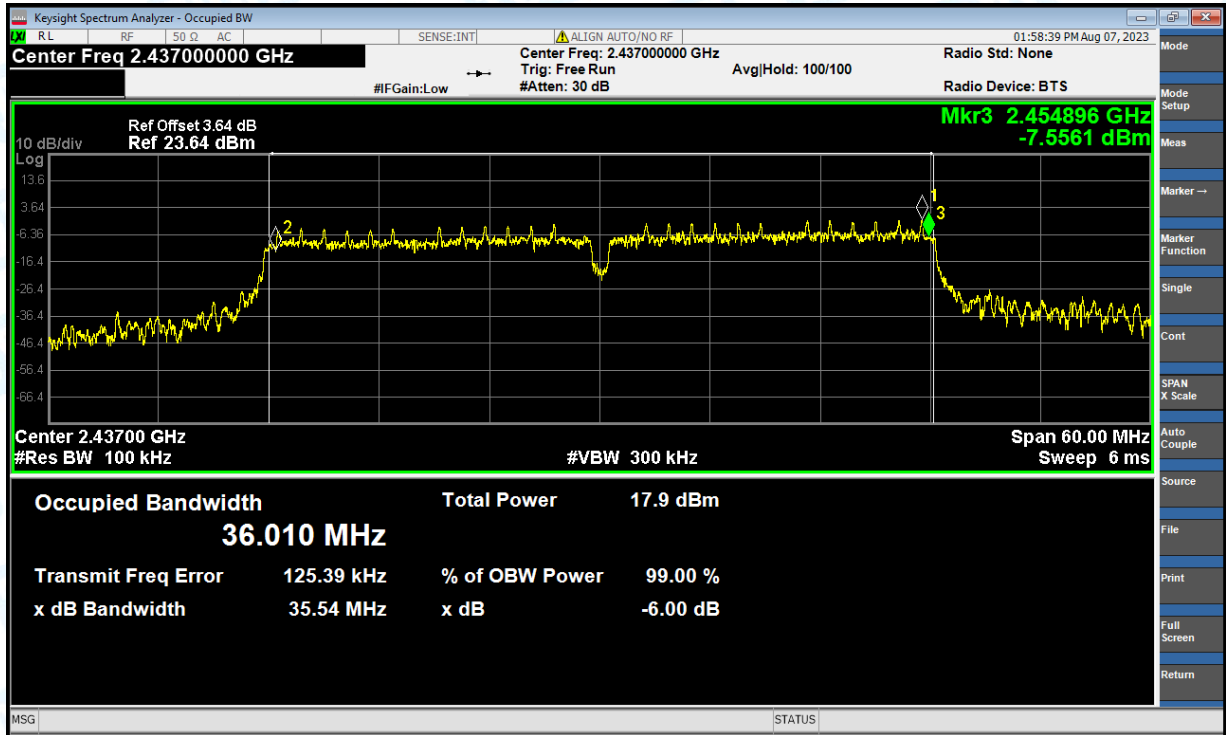
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



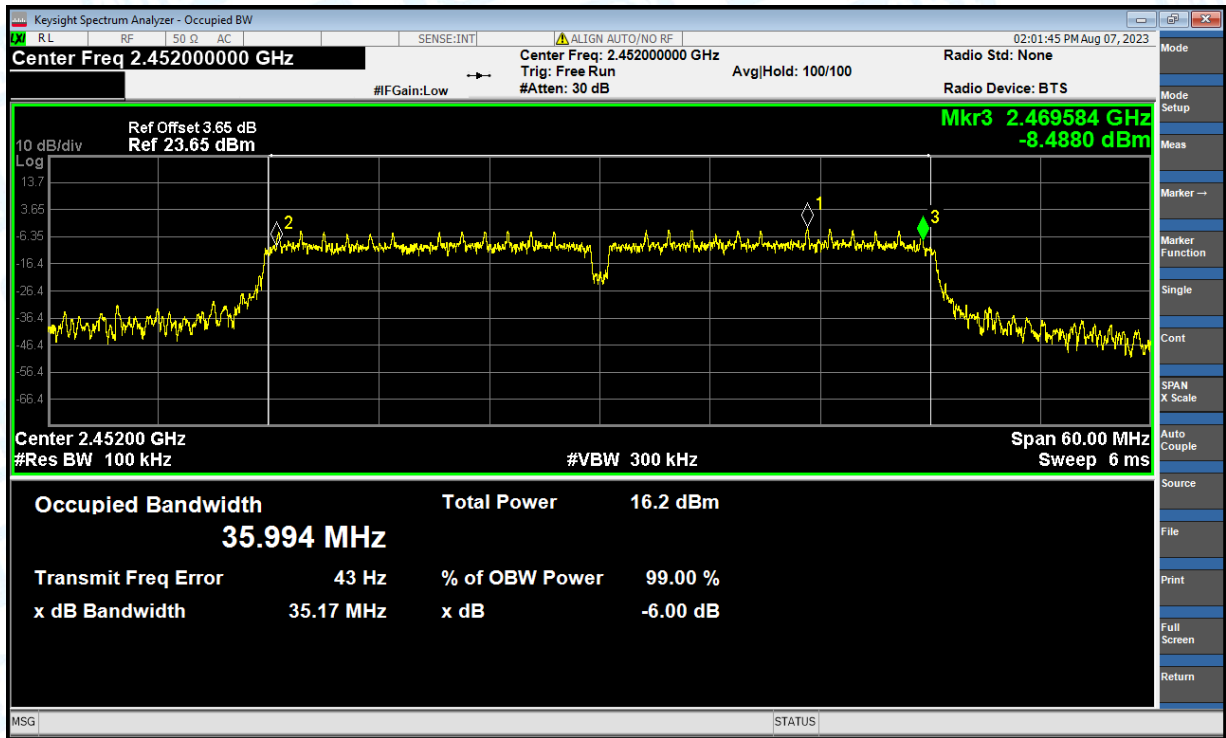
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



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



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

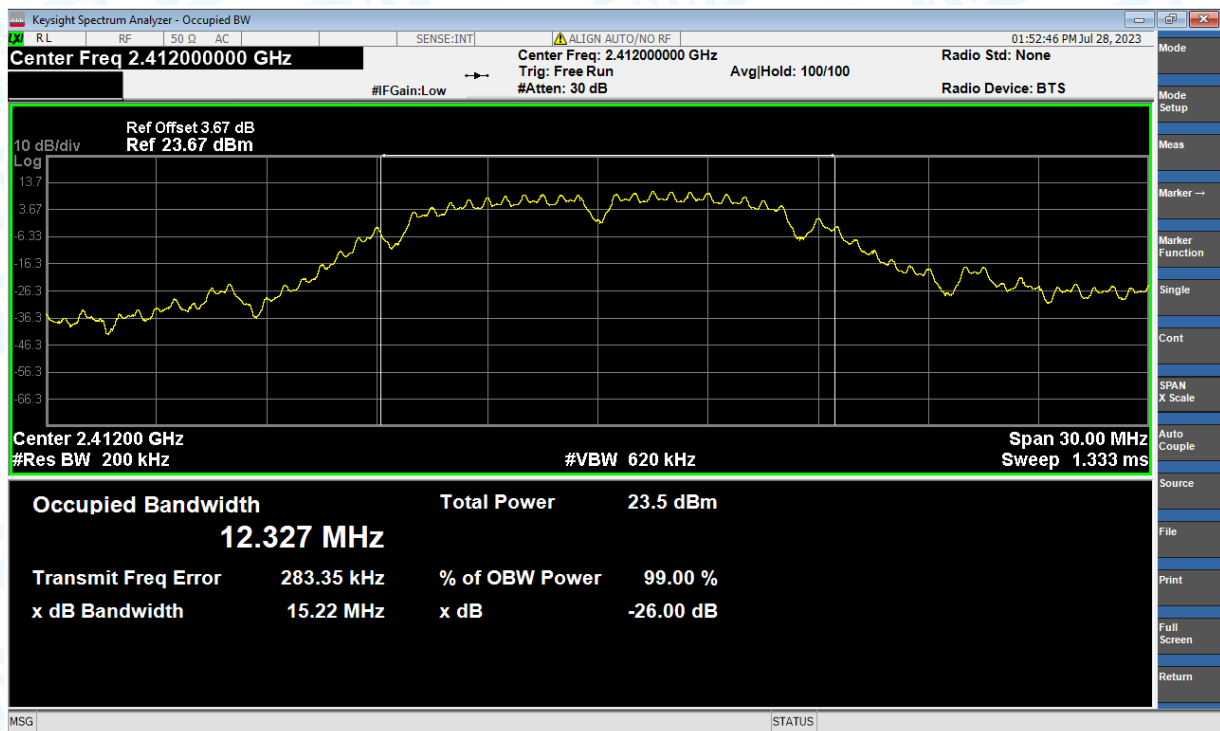


4. Occupied Channel Bandwidth

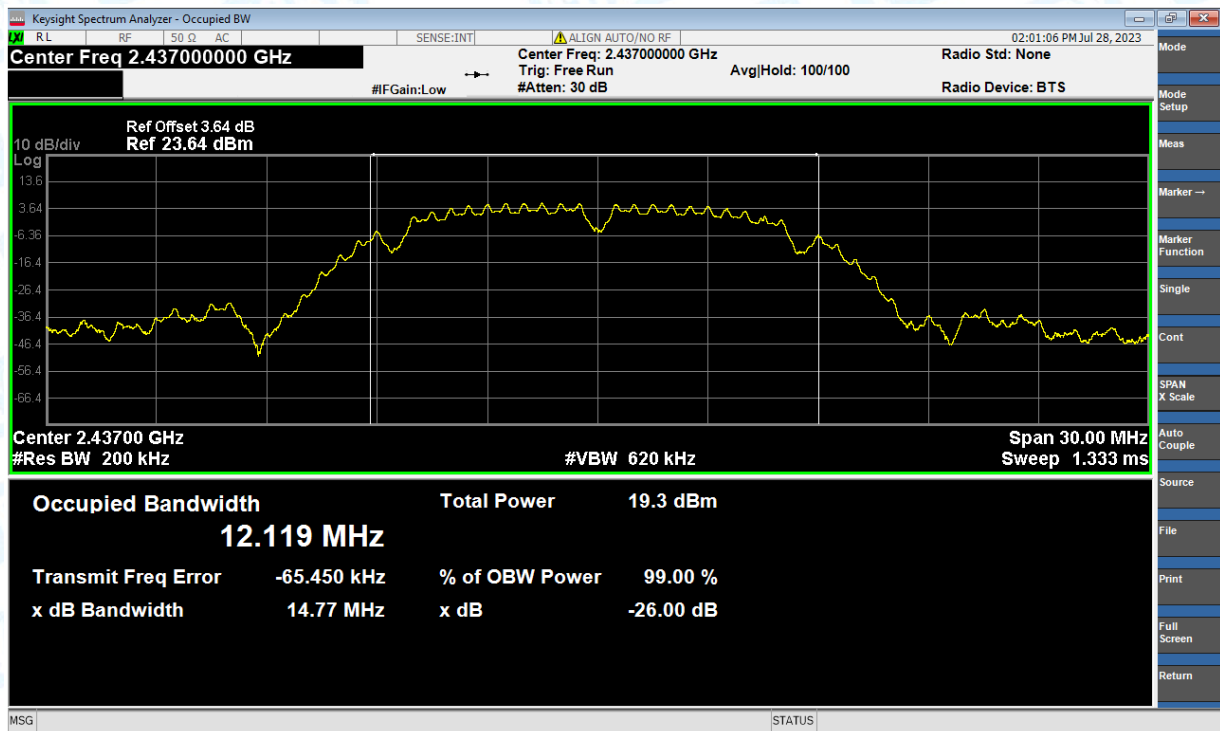
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.327
NVNT	b	2437	Ant1	12.119
NVNT	b	2462	Ant1	12.309
NVNT	g	2412	Ant1	17.857
NVNT	g	2437	Ant1	16.537
NVNT	g	2462	Ant1	16.412
NVNT	n(HT20)	2412	Ant1	17.463
NVNT	n(HT20)	2437	Ant1	17.61
NVNT	n(HT20)	2462	Ant1	17.537
NVNT	n(HT40)	2422	Ant1	35.701
NVNT	n(HT40)	2437	Ant1	36.293
NVNT	n(HT40)	2452	Ant1	36.192

Test Graphs

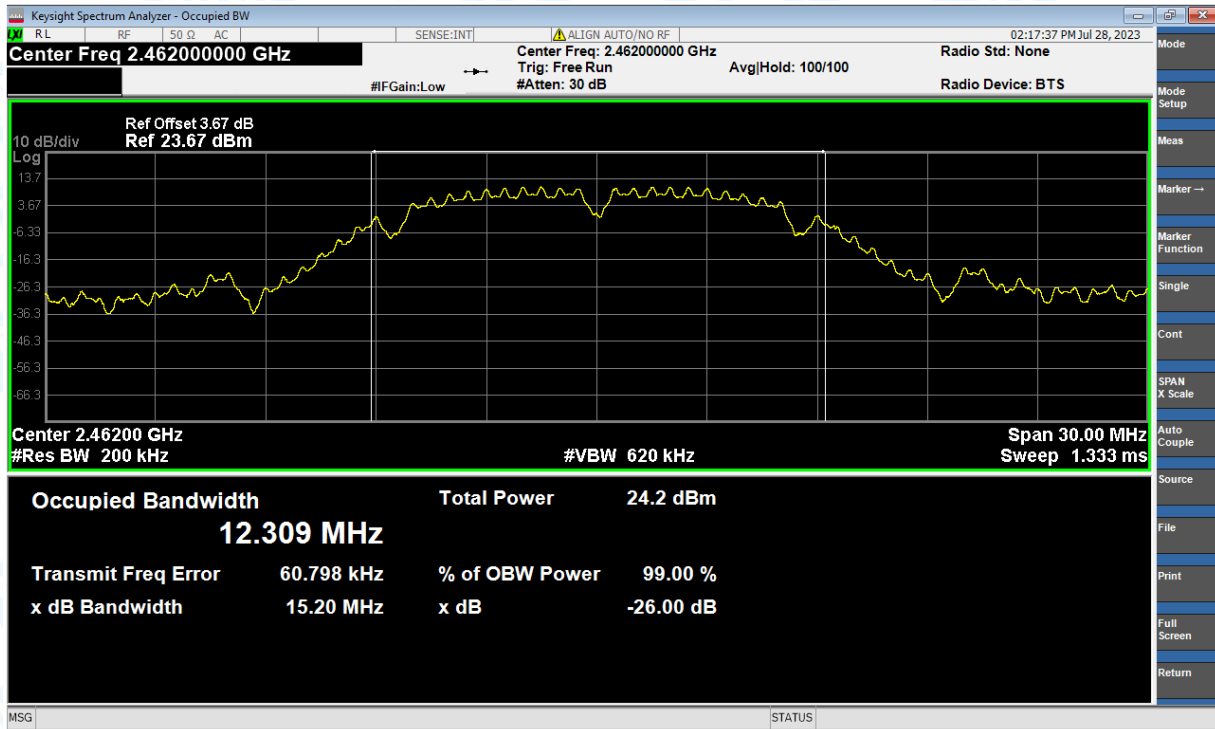
OBW NVNT b 2412MHz Ant1



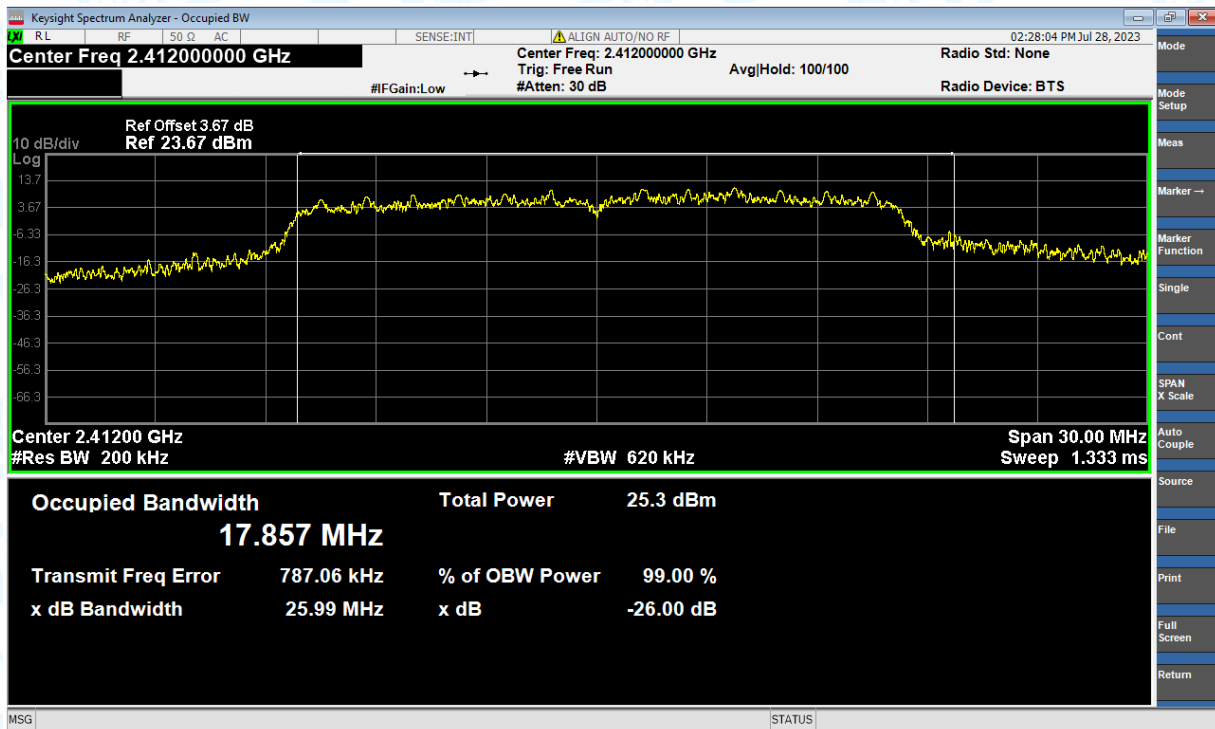
OBW NVNT b 2437MHz Ant1



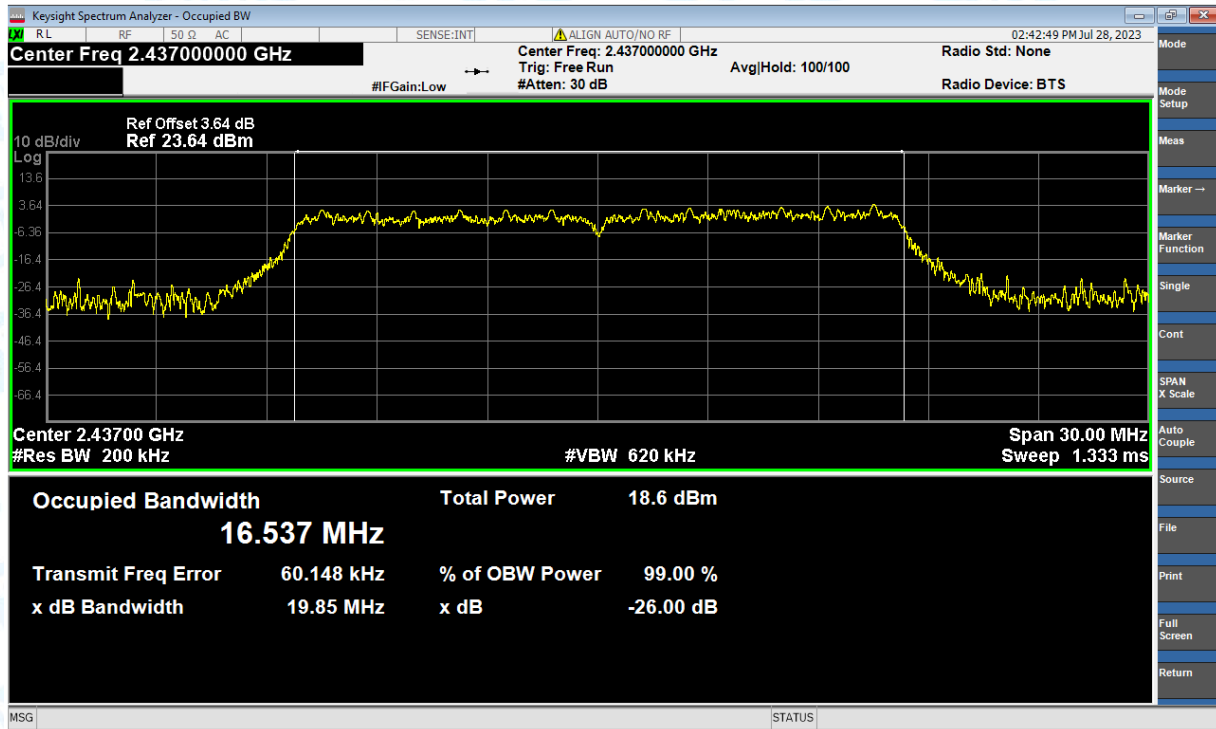
OBW NVNT b 2462MHz Ant1



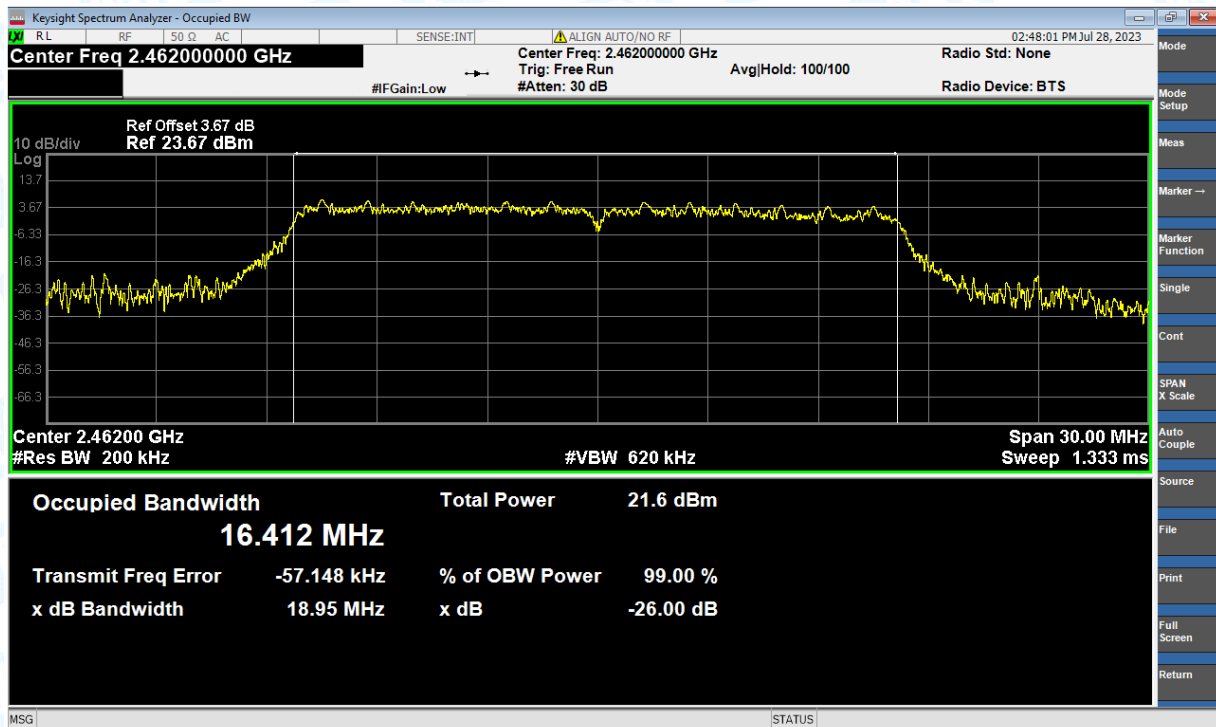
OBW NVNT g 2412MHz Ant1



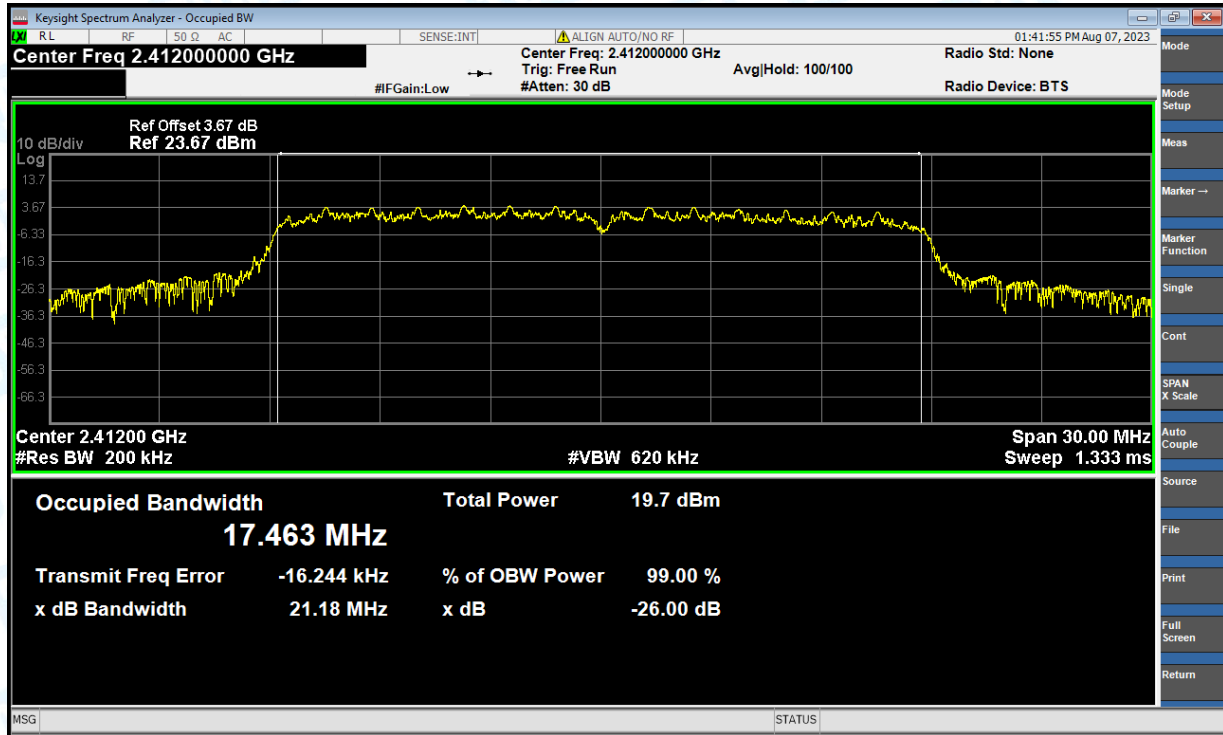
OBW NVNT g 2437MHz Ant1



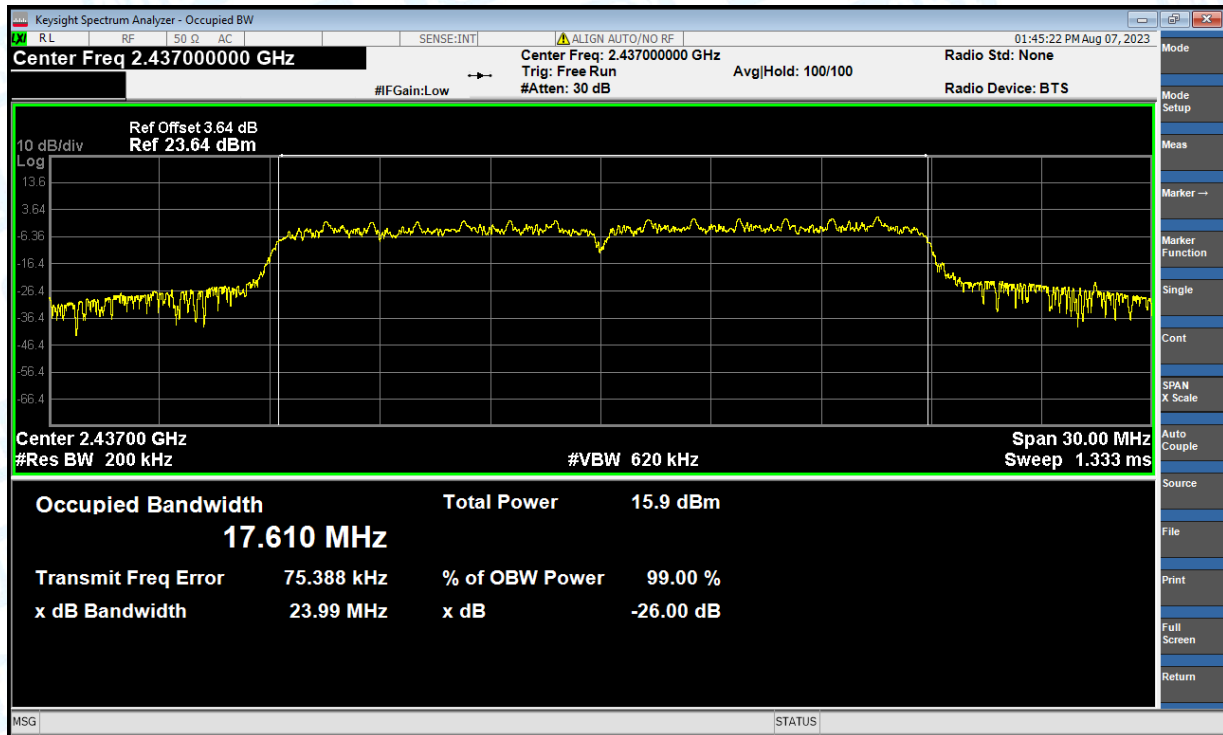
OBW NVNT g 2462MHz Ant1



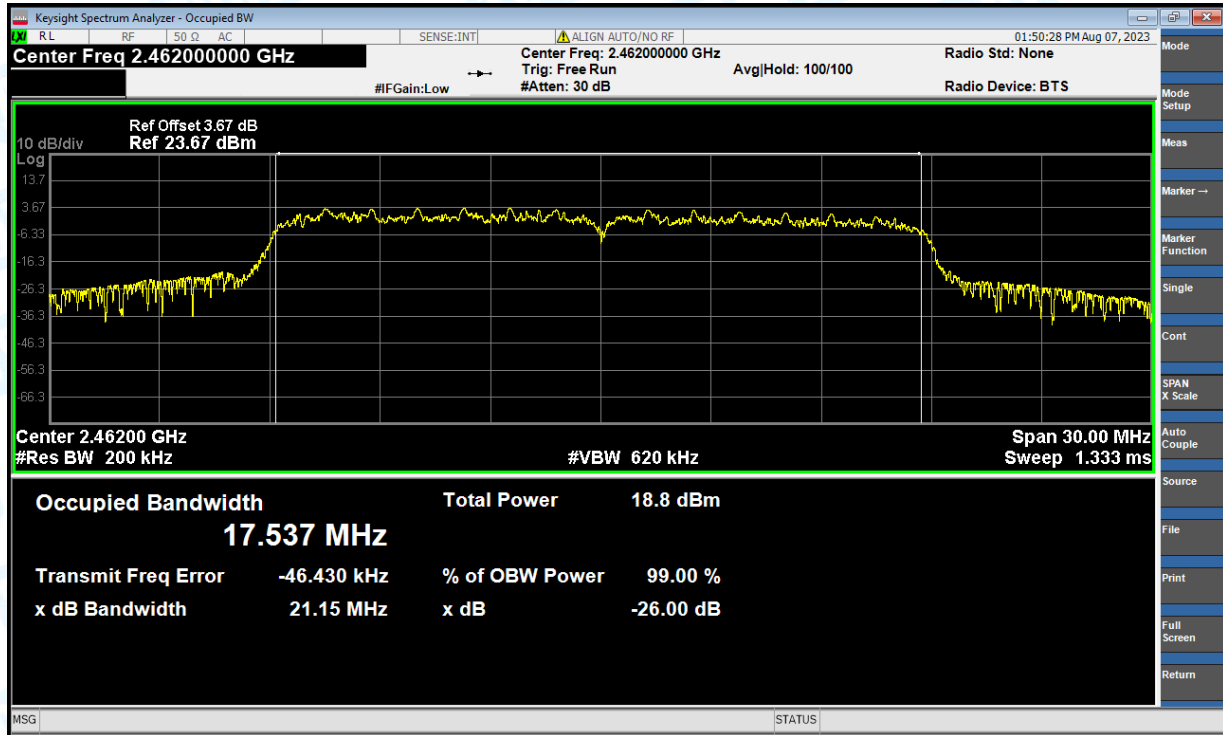
OBW NVNT n(HT20) 2412MHz Ant1



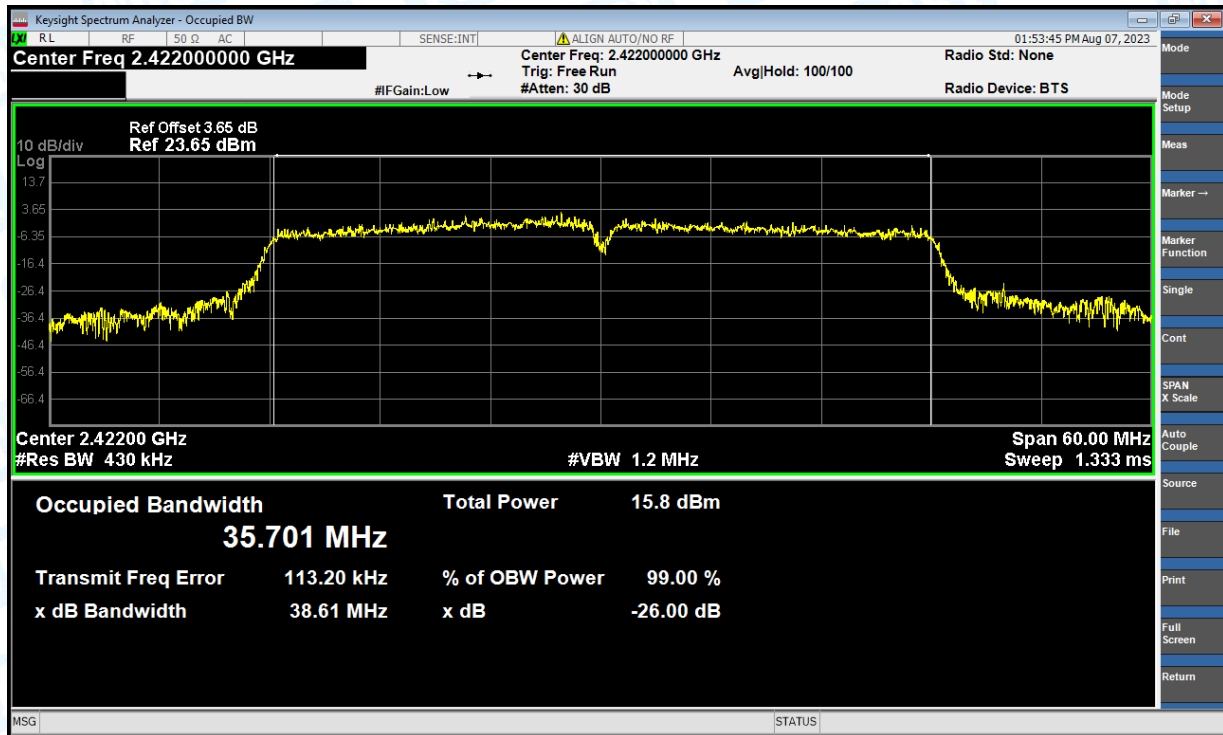
OBW NVNT n(HT20) 2437MHz Ant1



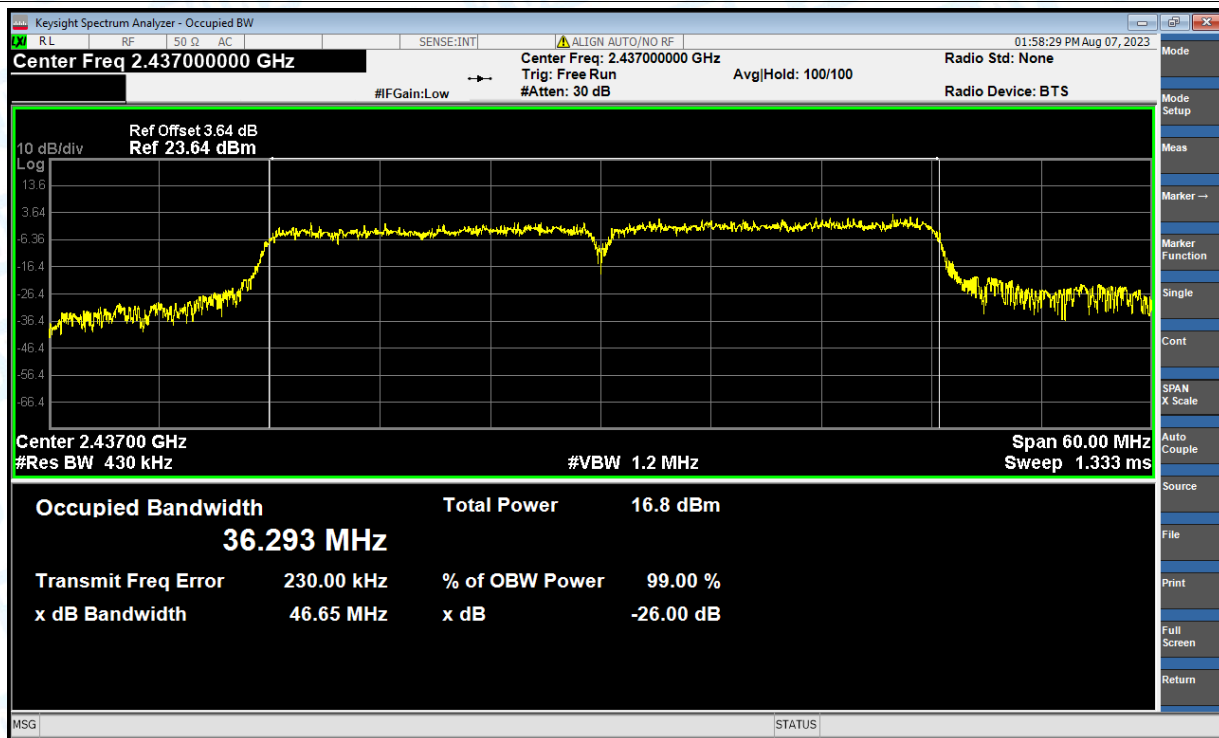
OBW NVNT n(HT20) 2462MHz Ant1



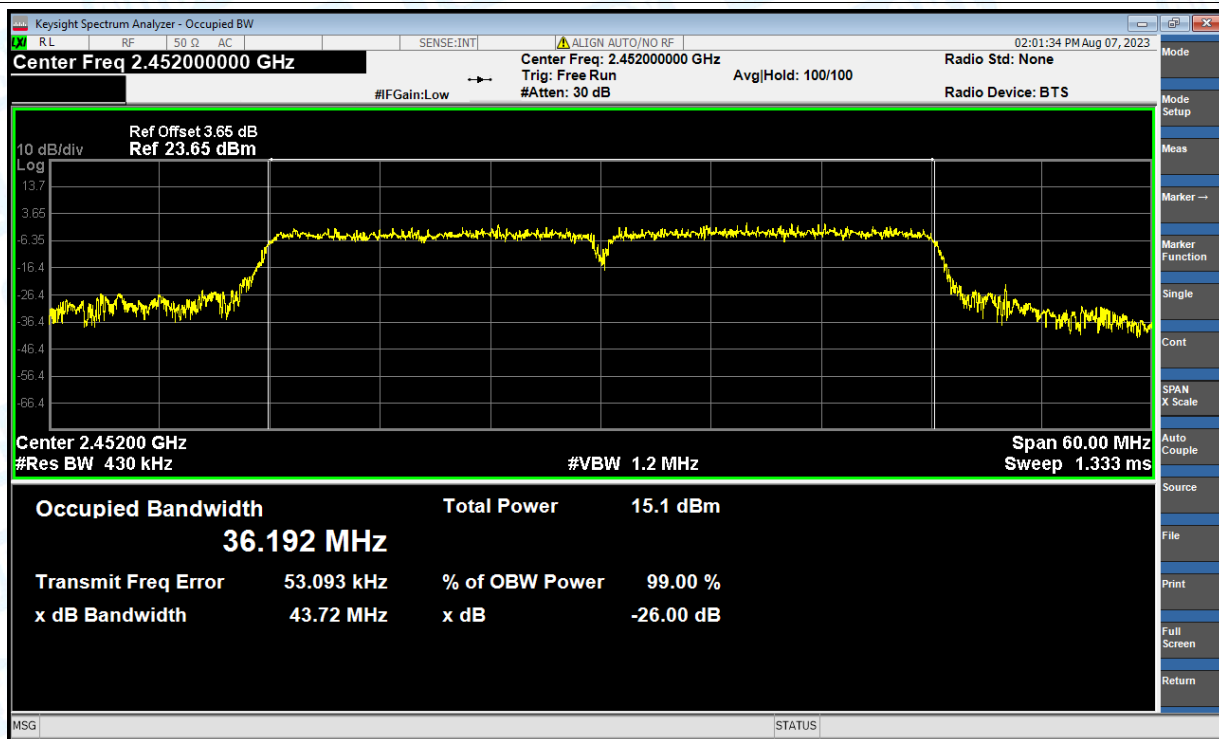
OBW NVNT n(HT40) 2422MHz Ant1



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	-3.972	8	Pass
NVNT	b	2437	Ant1	-6.151	8	Pass
NVNT	b	2462	Ant1	-4.101	8	Pass
NVNT	g	2412	Ant1	-11.065	8	Pass
NVNT	g	2437	Ant1	-13.032	8	Pass
NVNT	g	2462	Ant1	-10.438	8	Pass
NVNT	n(HT20)	2412	Ant1	-12.133	8	Pass
NVNT	n(HT20)	2437	Ant1	-13.372	8	Pass
NVNT	n(HT20)	2462	Ant1	-13.663	8	Pass
NVNT	n(HT40)	2422	Ant1	-17.121	8	Pass
NVNT	n(HT40)	2437	Ant1	-17.05	8	Pass
NVNT	n(HT40)	2452	Ant1	-19.115	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1



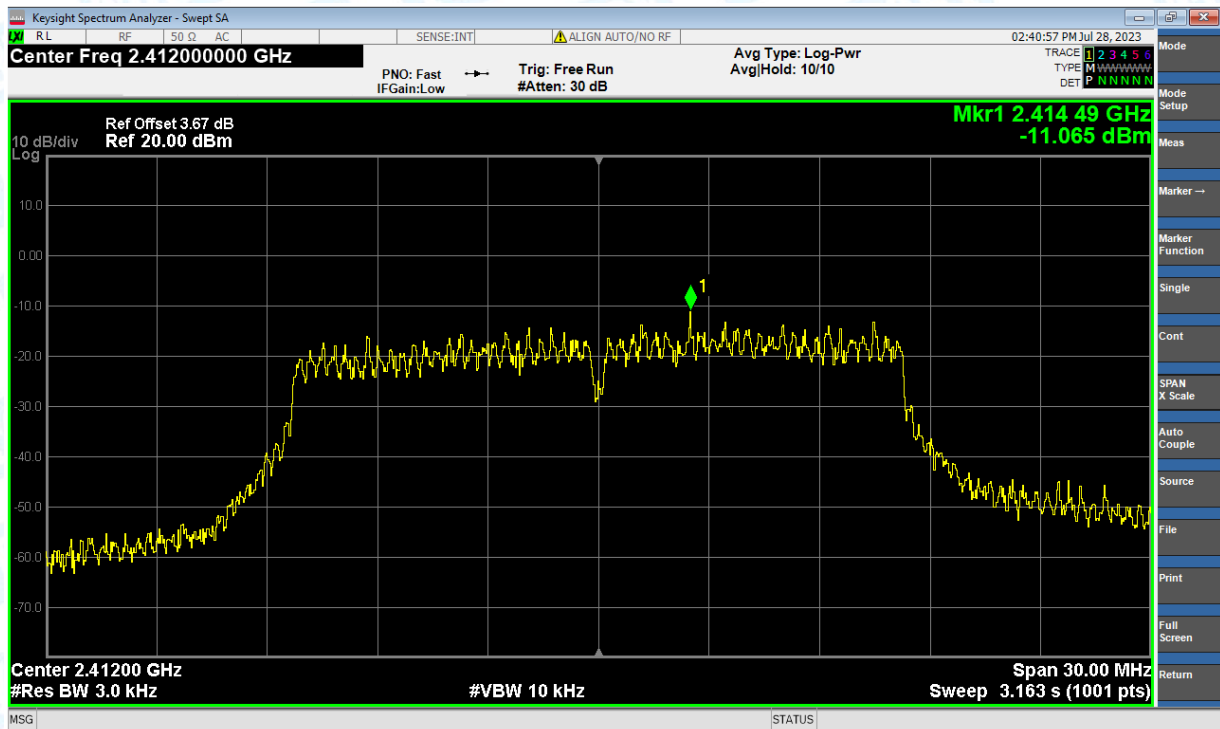
PSD NVNT b 2437MHz Ant1



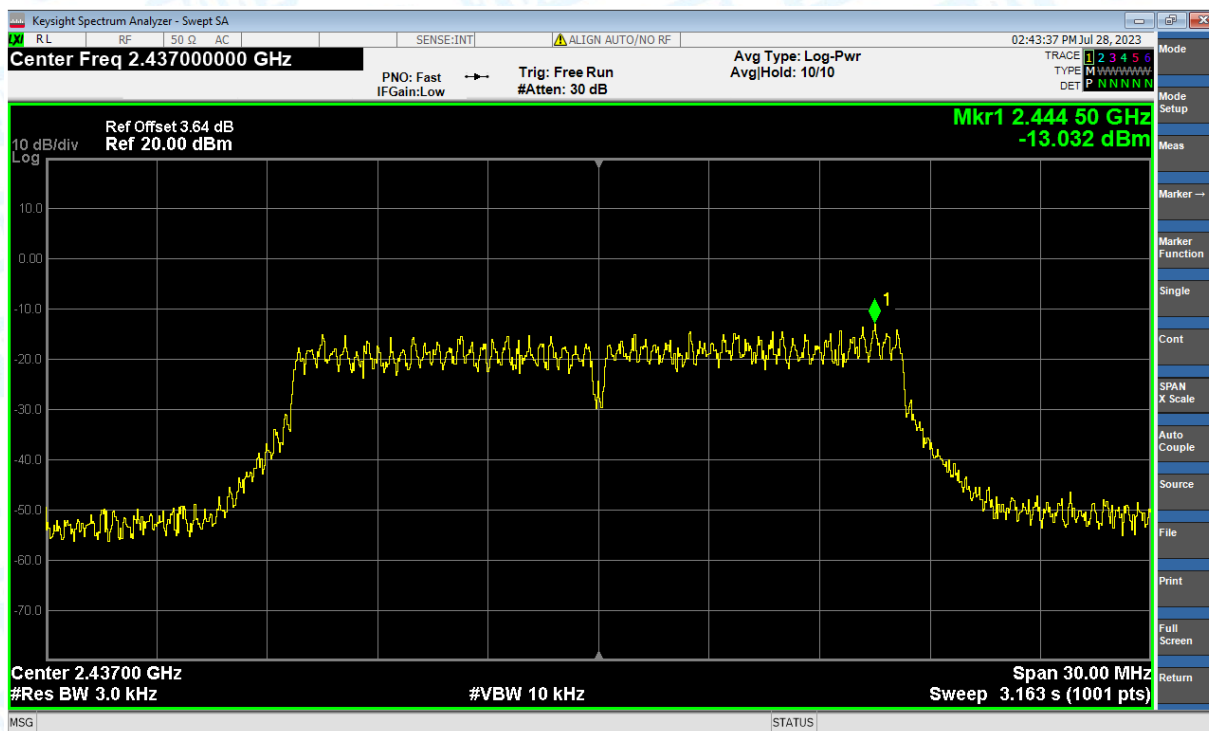
PSD NVNT b 2462MHz Ant1



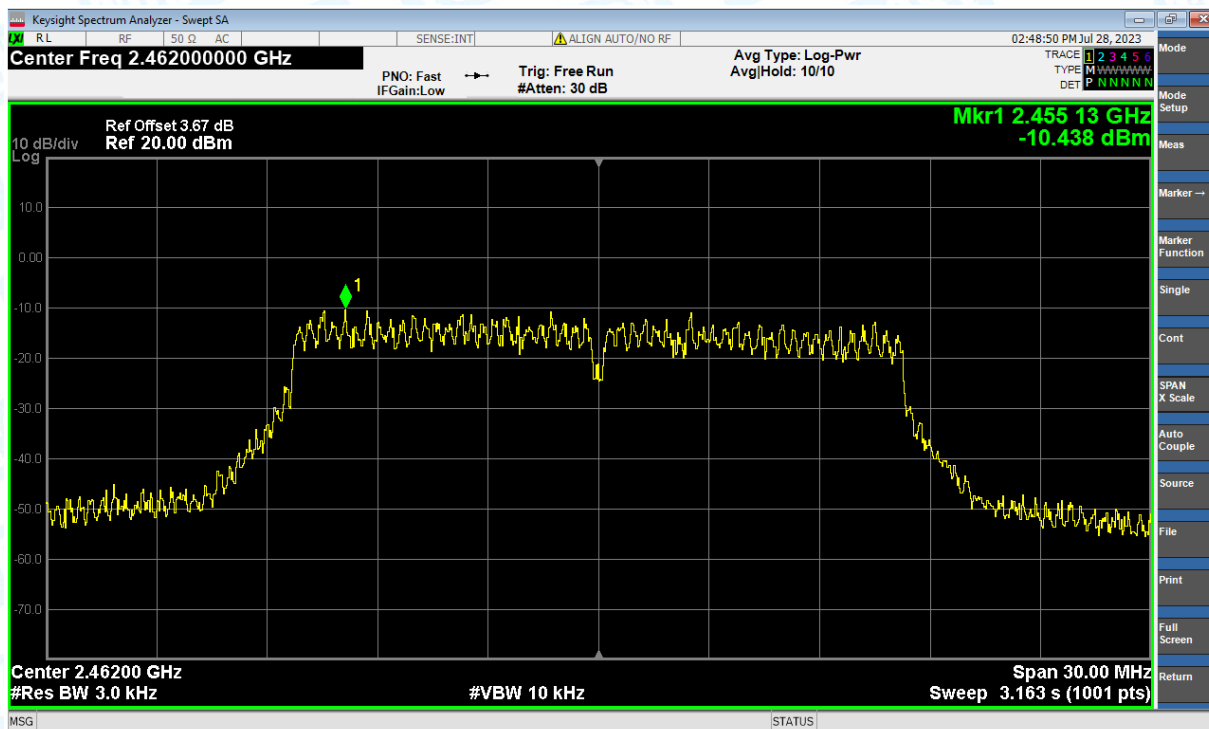
PSD NVNT g 2412MHz Ant1



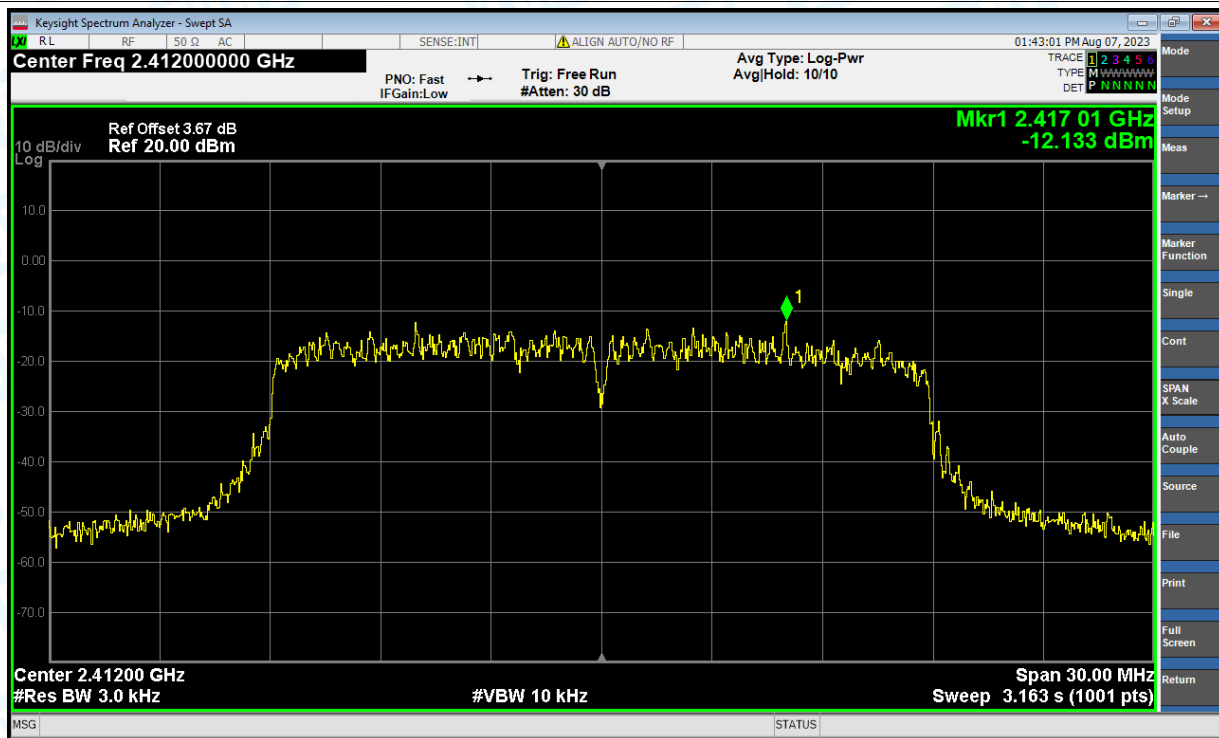
PSD NVNT g 2437MHz Ant1



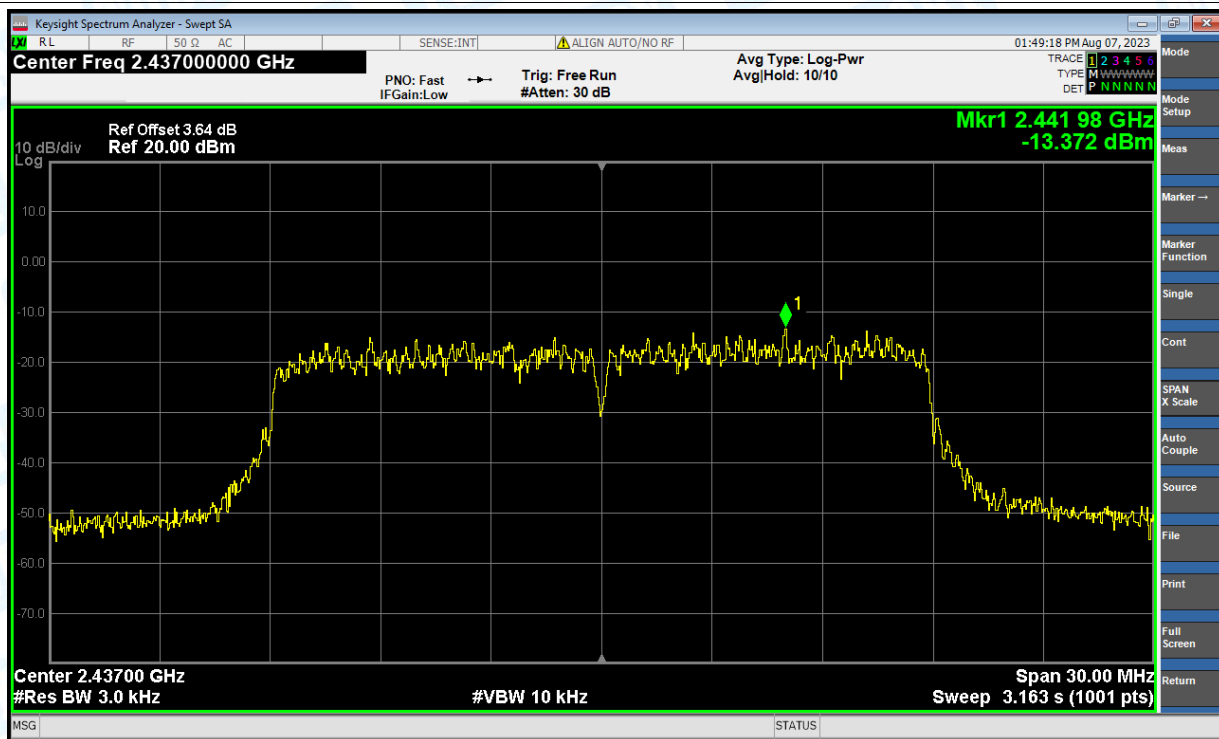
PSD NVNT g 2462MHz Ant1



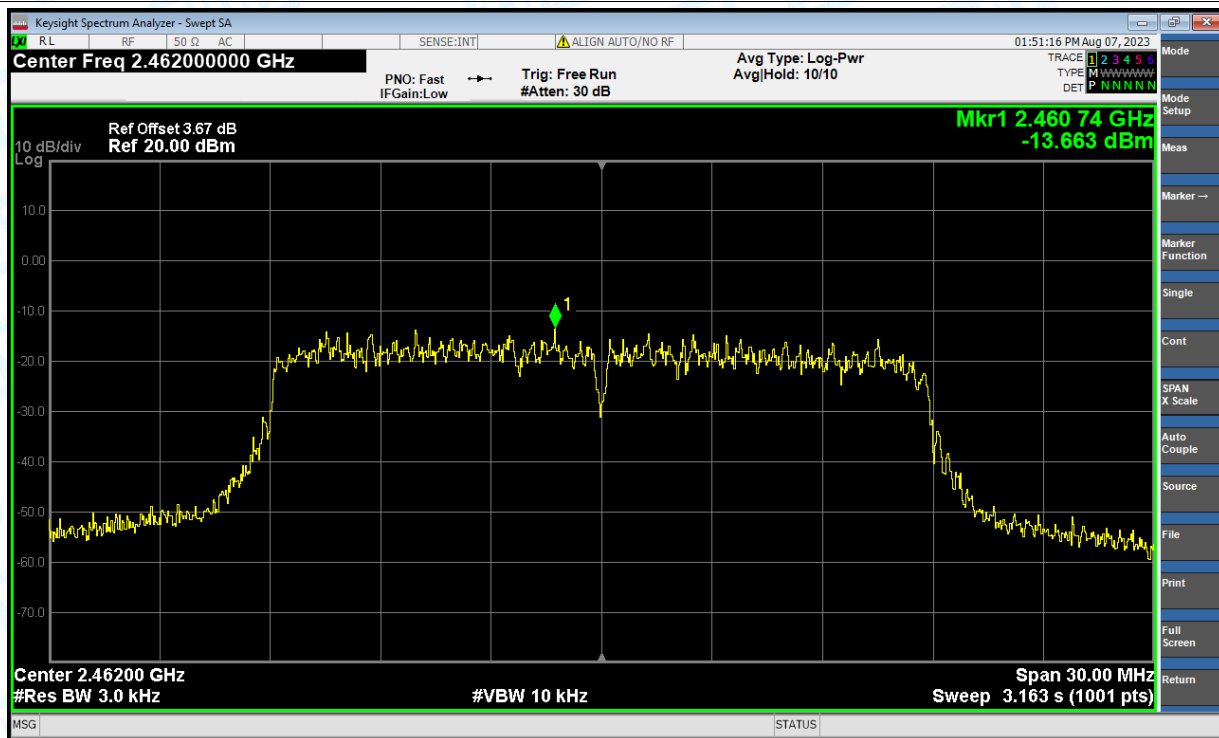
PSD NVNT n(HT20) 2412MHz Ant1



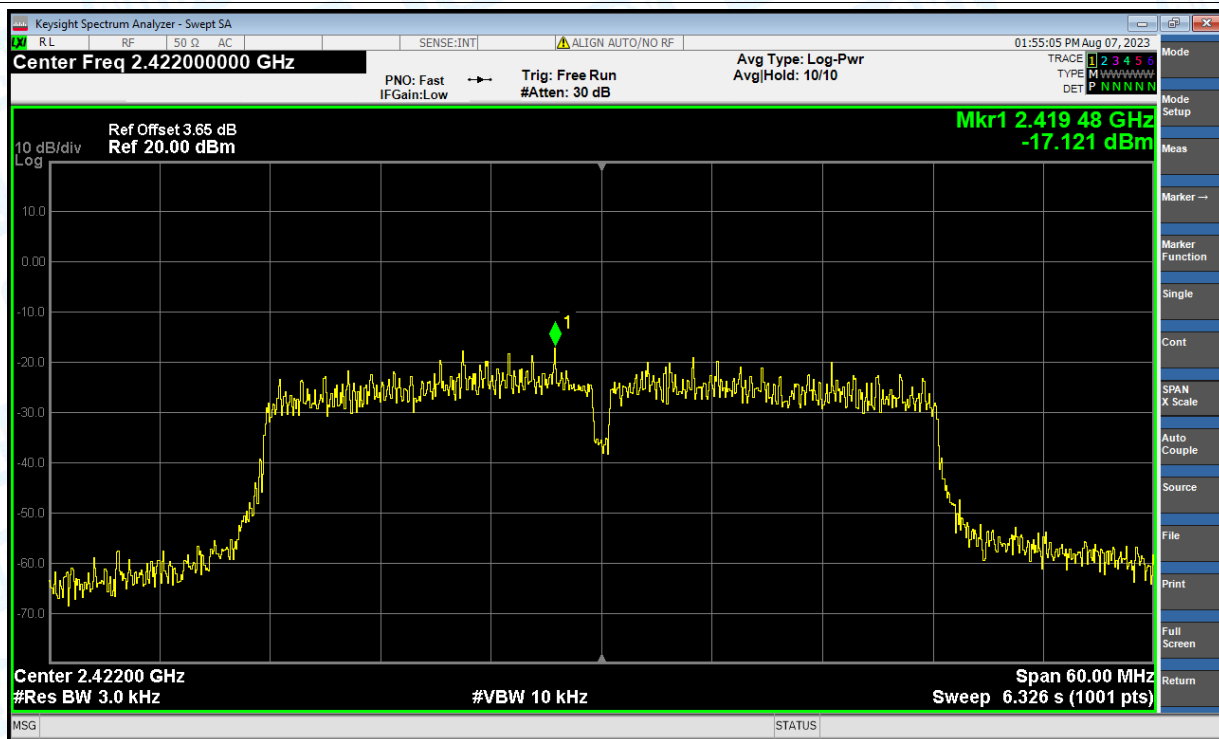
PSD NVNT n(HT20) 2437MHz Ant1



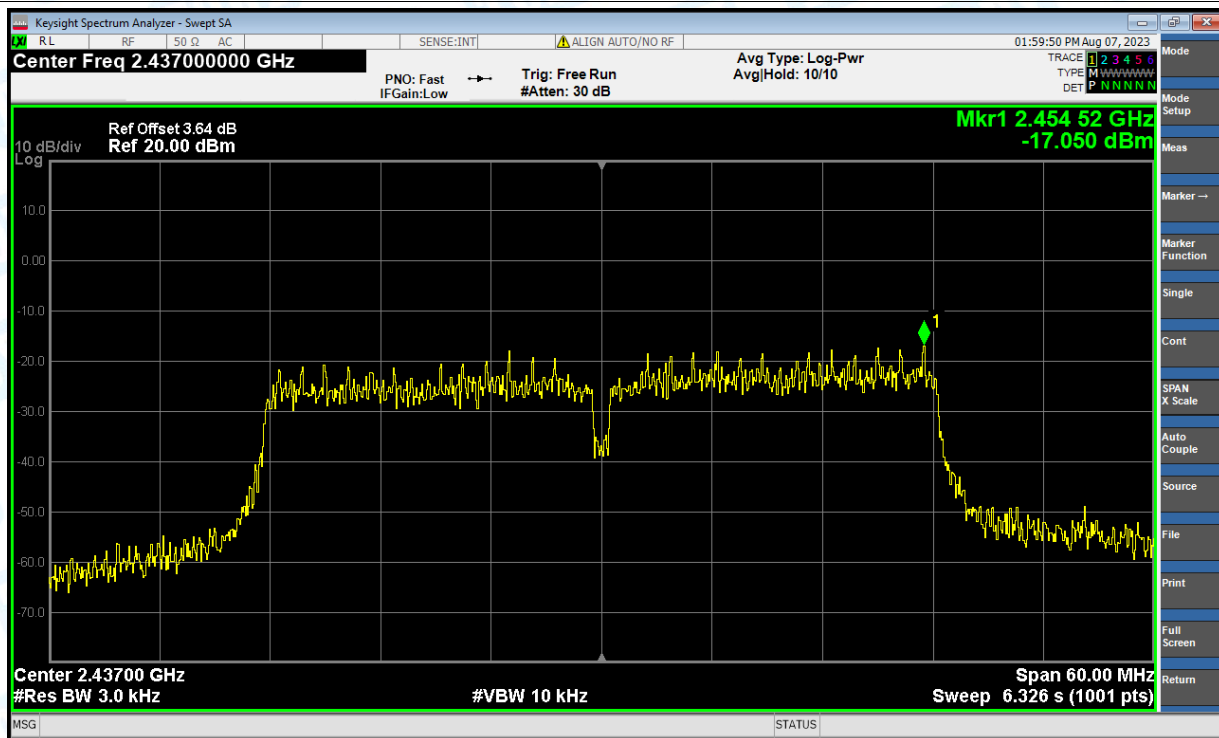
PSD NVNT n(HT20) 2462MHz Ant1



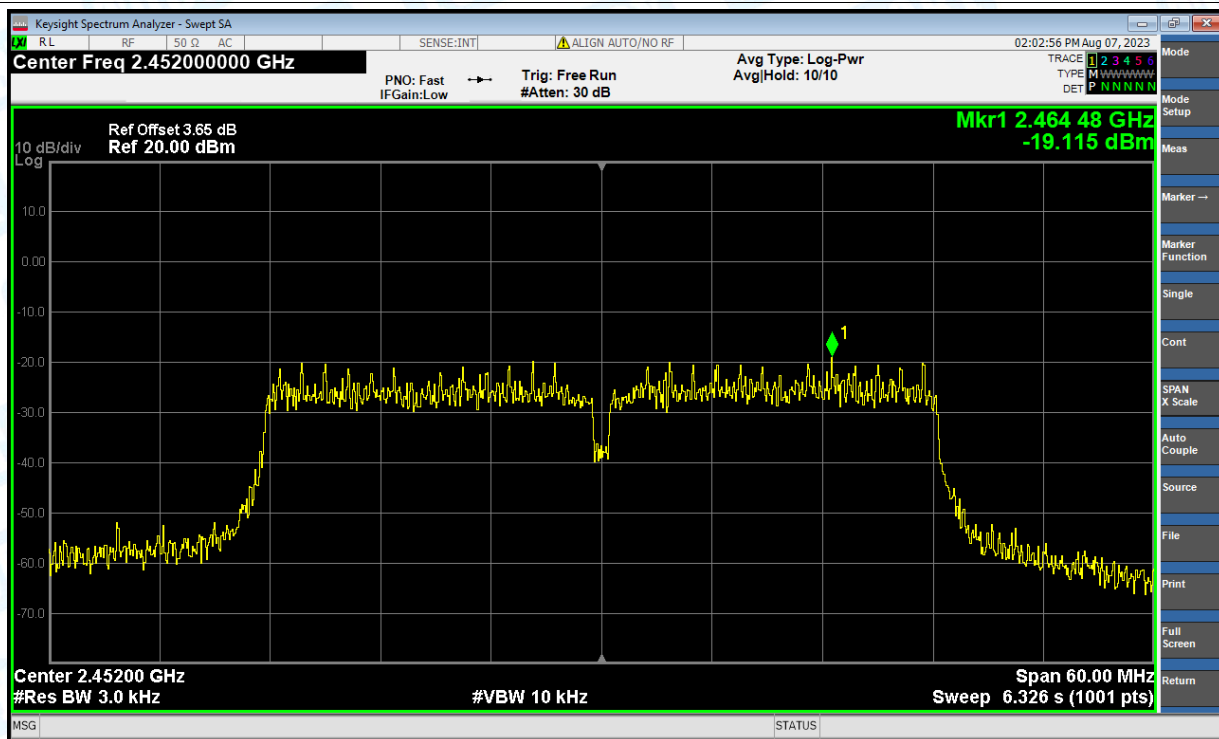
PSD NVNT n(HT40) 2422MHz Ant1



PSD NVNT n(HT40) 2437MHz Ant1



PSD NVNT n(HT40) 2452MHz Ant1

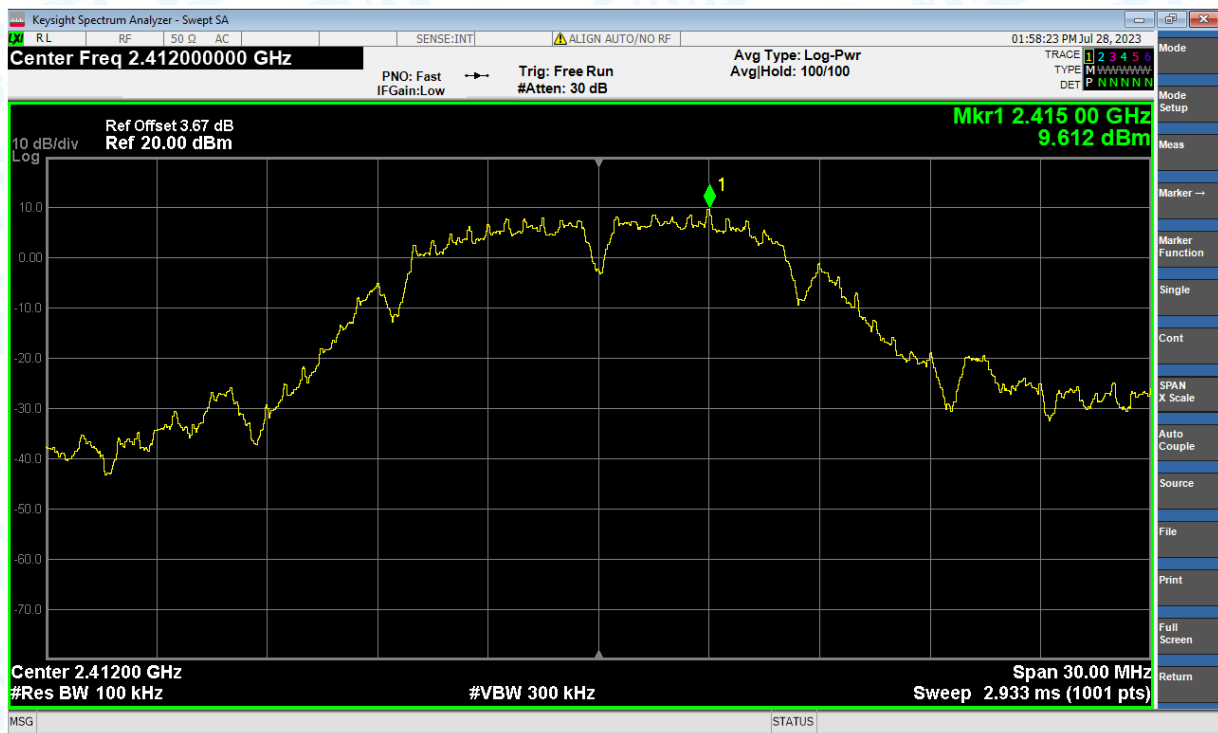


6. Band Edge

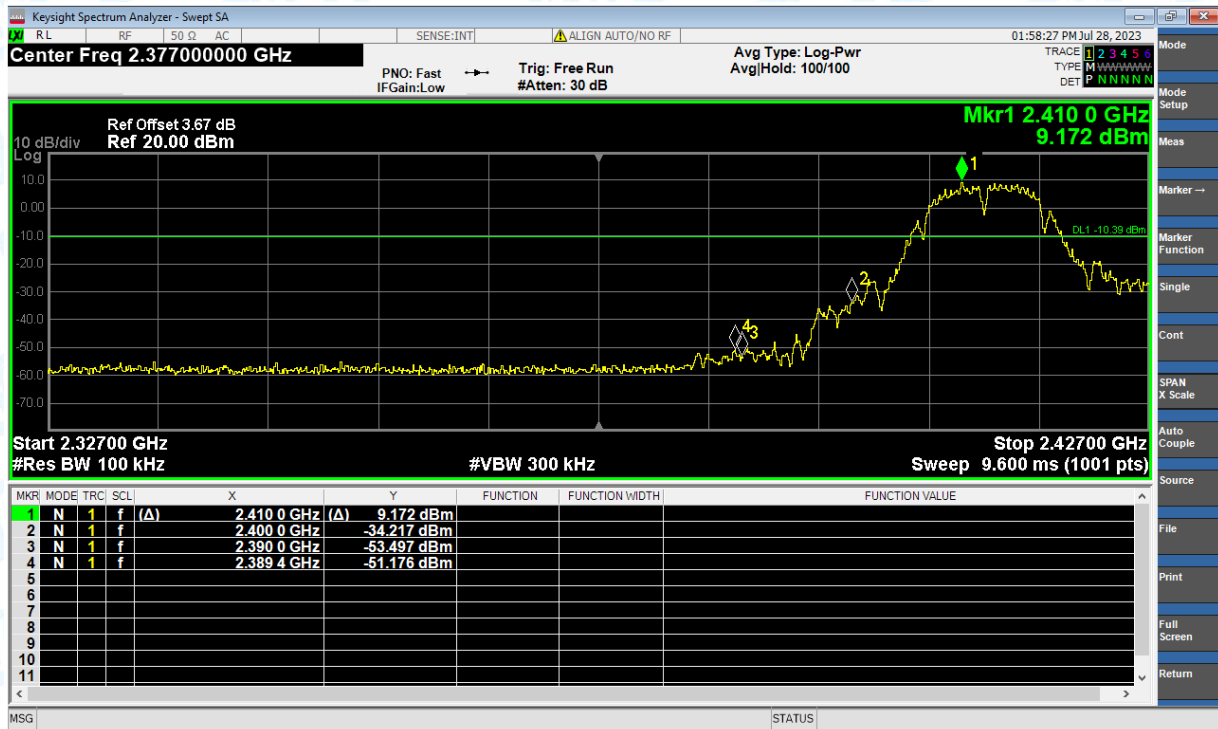
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-60.79	-20	Pass
NVNT	b	2462	Ant1	-51.06	-20	Pass
NVNT	g	2412	Ant1	-43.11	-20	Pass
NVNT	g	2462	Ant1	-45.28	-20	Pass
NVNT	n(HT20)	2412	Ant1	-44.49	-20	Pass
NVNT	n(HT20)	2462	Ant1	-44.6	-20	Pass
NVNT	n(HT40)	2422	Ant1	-43.23	-20	Pass
NVNT	n(HT40)	2452	Ant1	-38.5	-20	Pass

Test Graphs

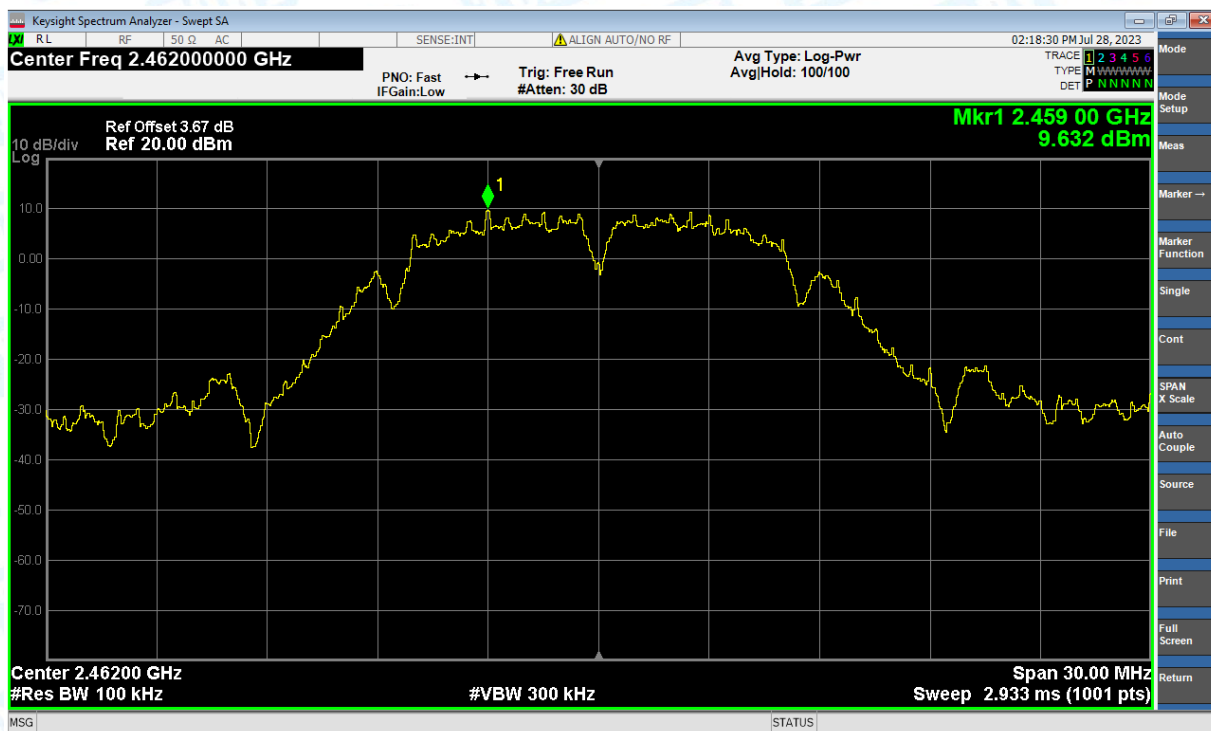
Band Edge NVNT b 2412MHz Ant1 Ref



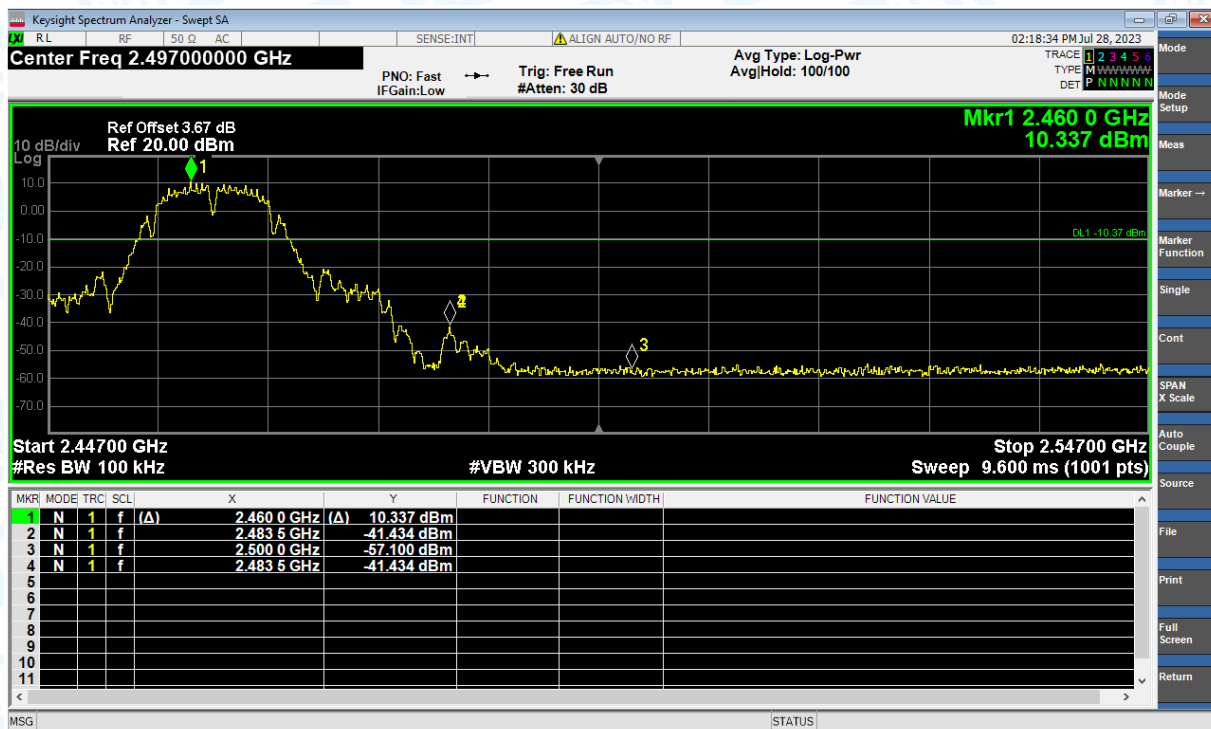
Band Edge NVNT b 2412MHz Ant1 Emission



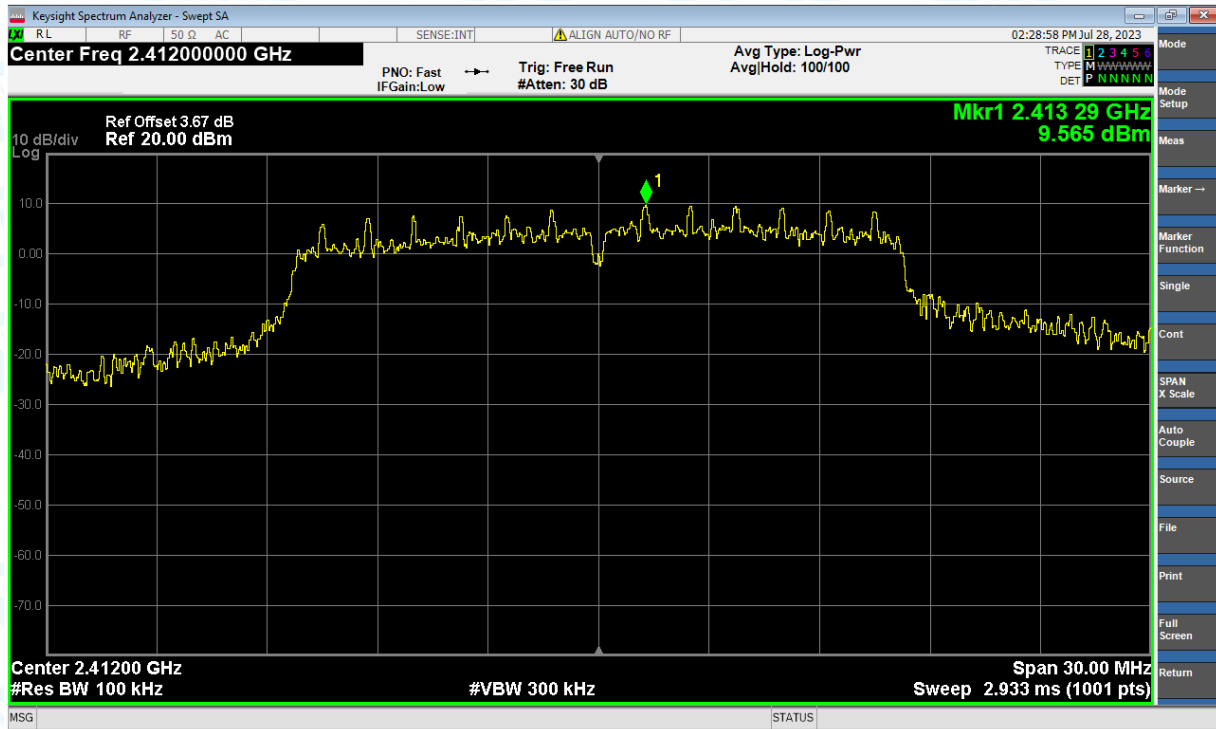
Band Edge NVNT b 2462MHz Ant1 Ref



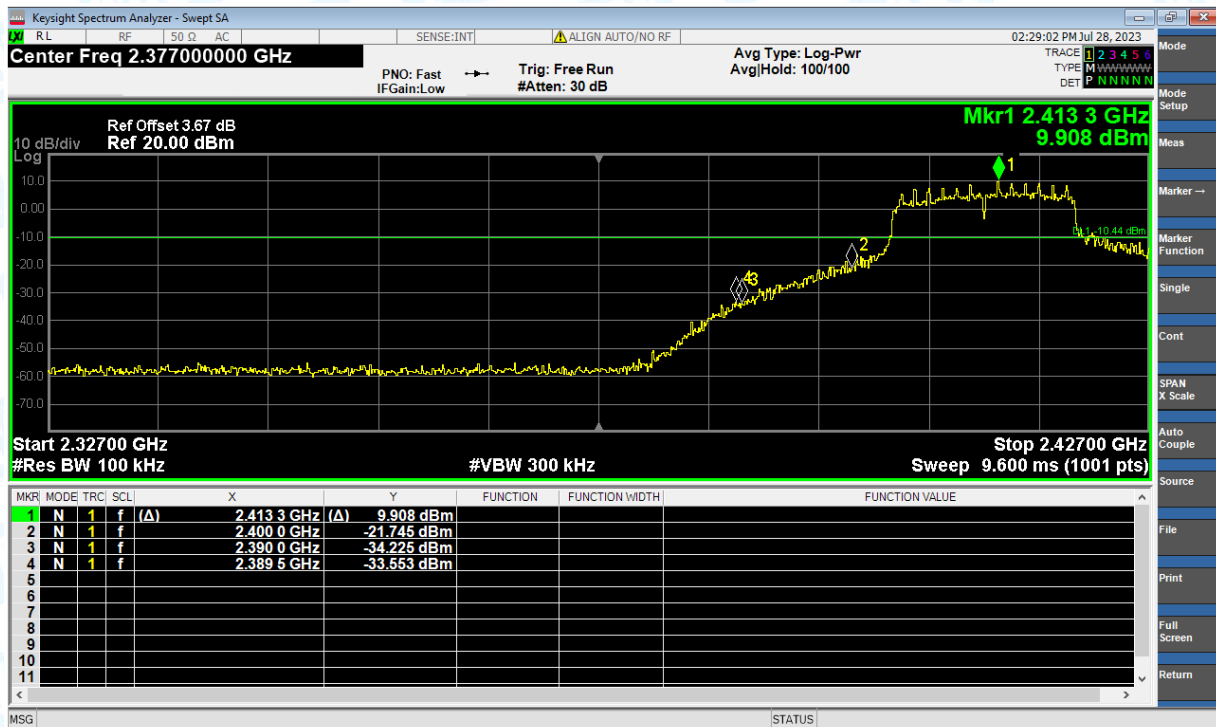
Band Edge NVNT b 2462MHz Ant1 Emission



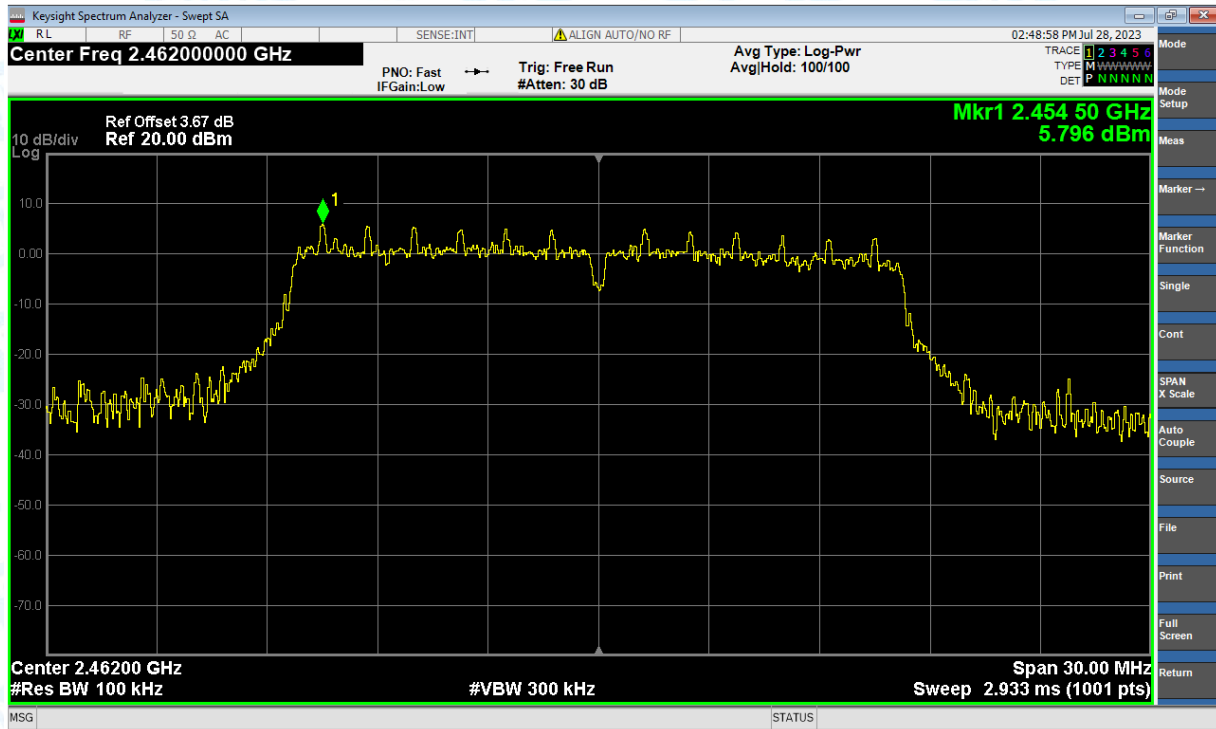
Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



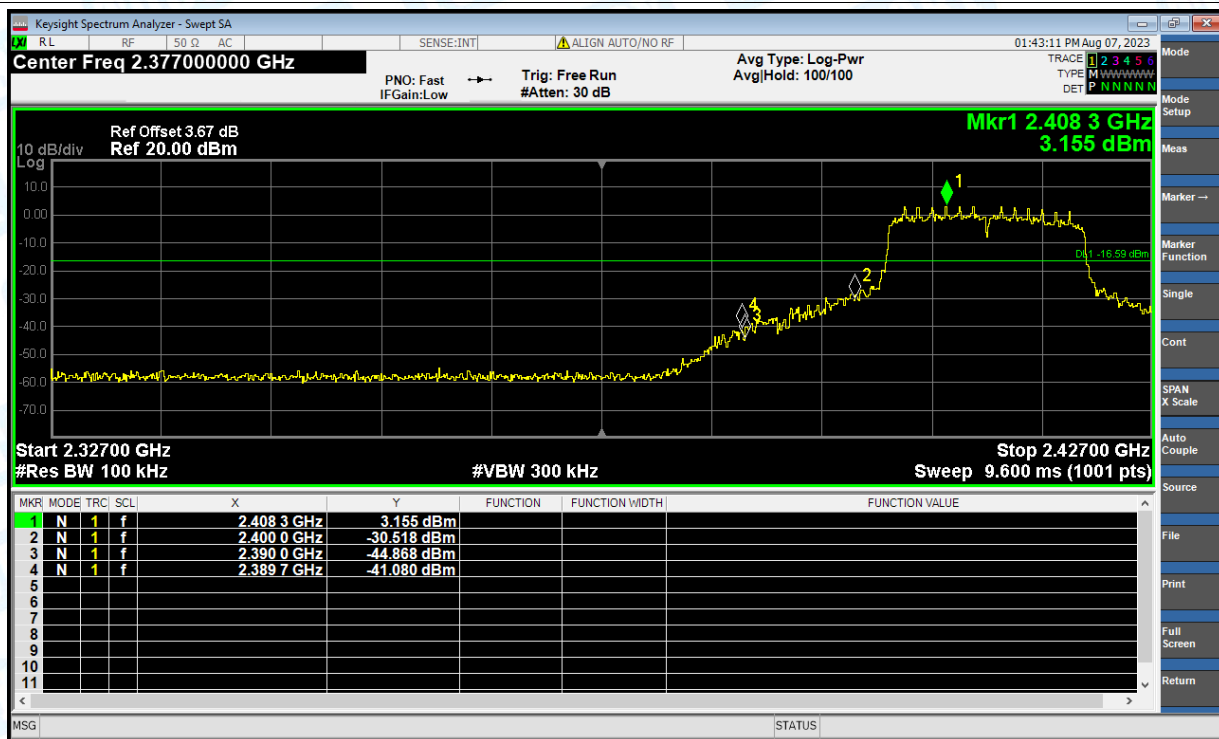
Band Edge NVNT g 2462MHz Ant1 Emission



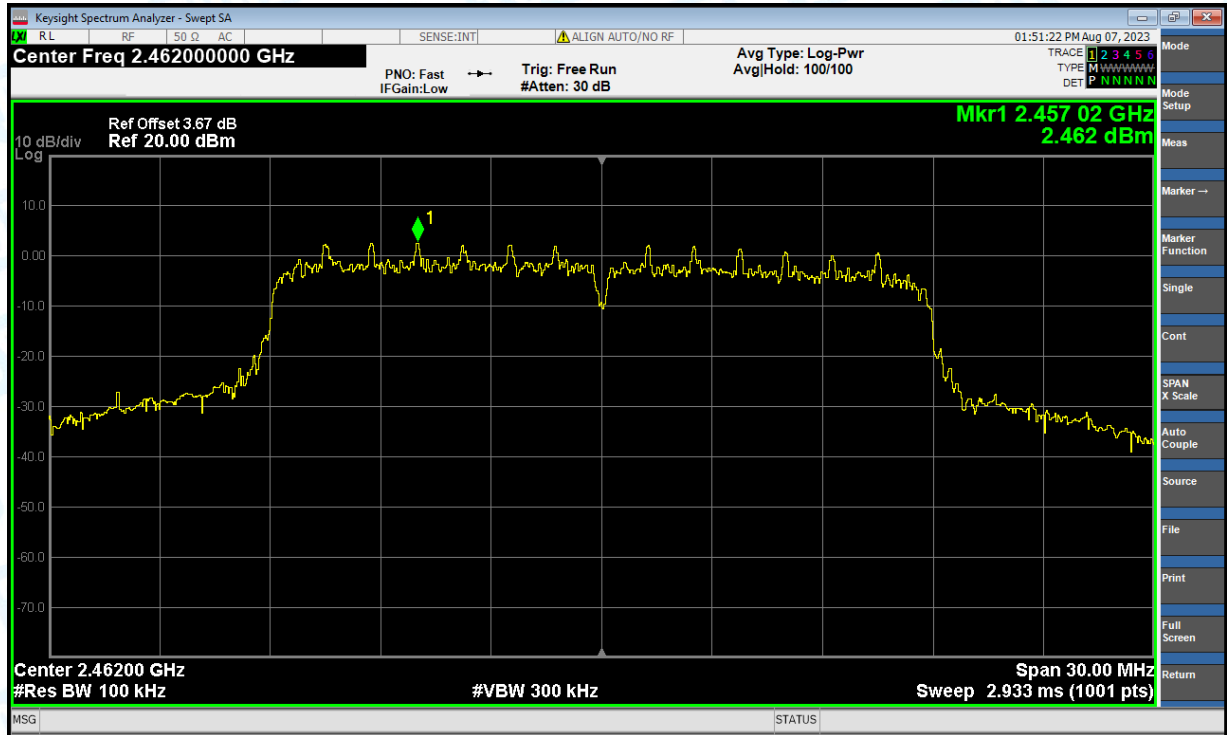
Band Edge NVNT n(HT20) 2412MHz Ant1 Ref



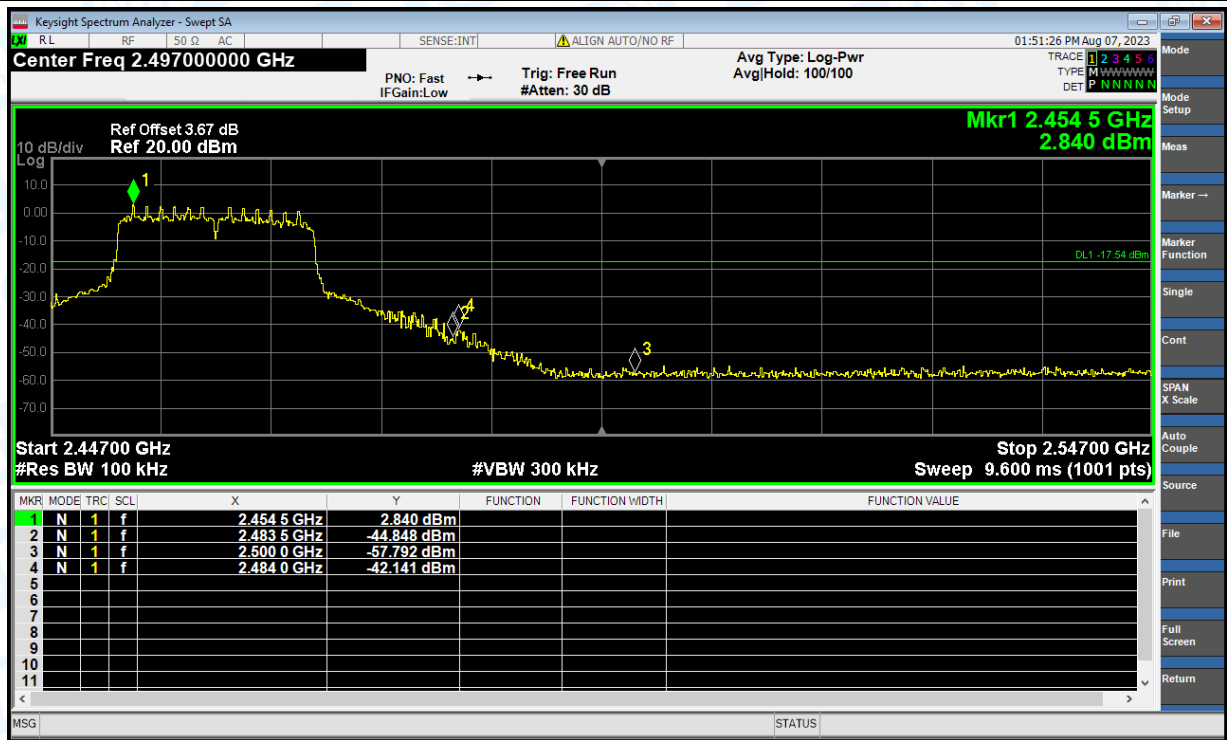
Band Edge NVNT n(HT20) 2412MHz Ant1 Emission



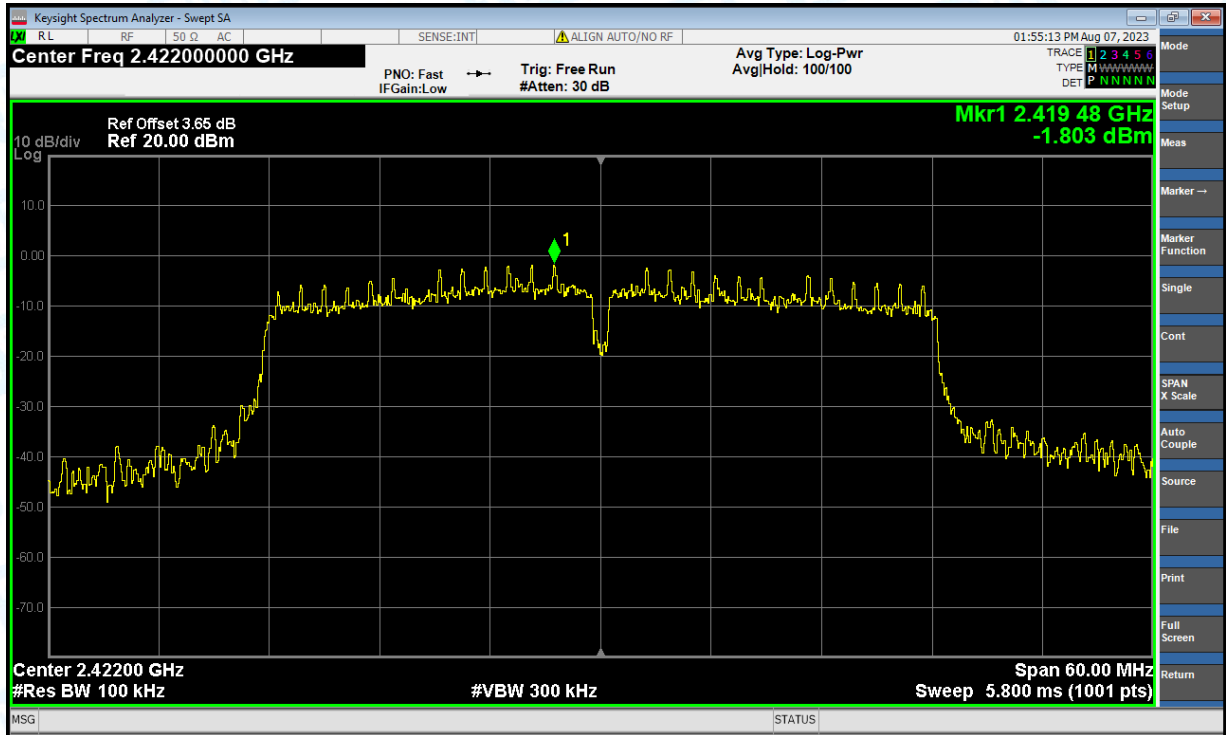
Band Edge NVNT n(HT20) 2462MHz Ant1 Ref



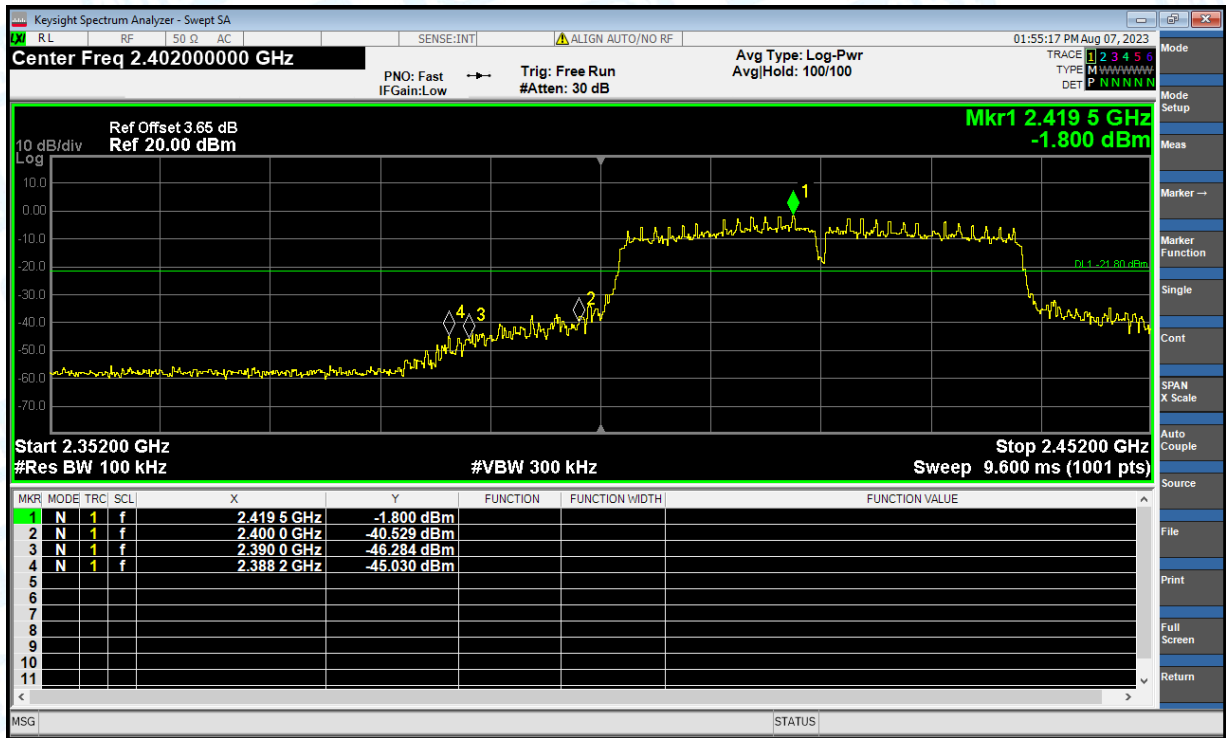
Band Edge NVNT n(HT20) 2462MHz Ant1 Emission



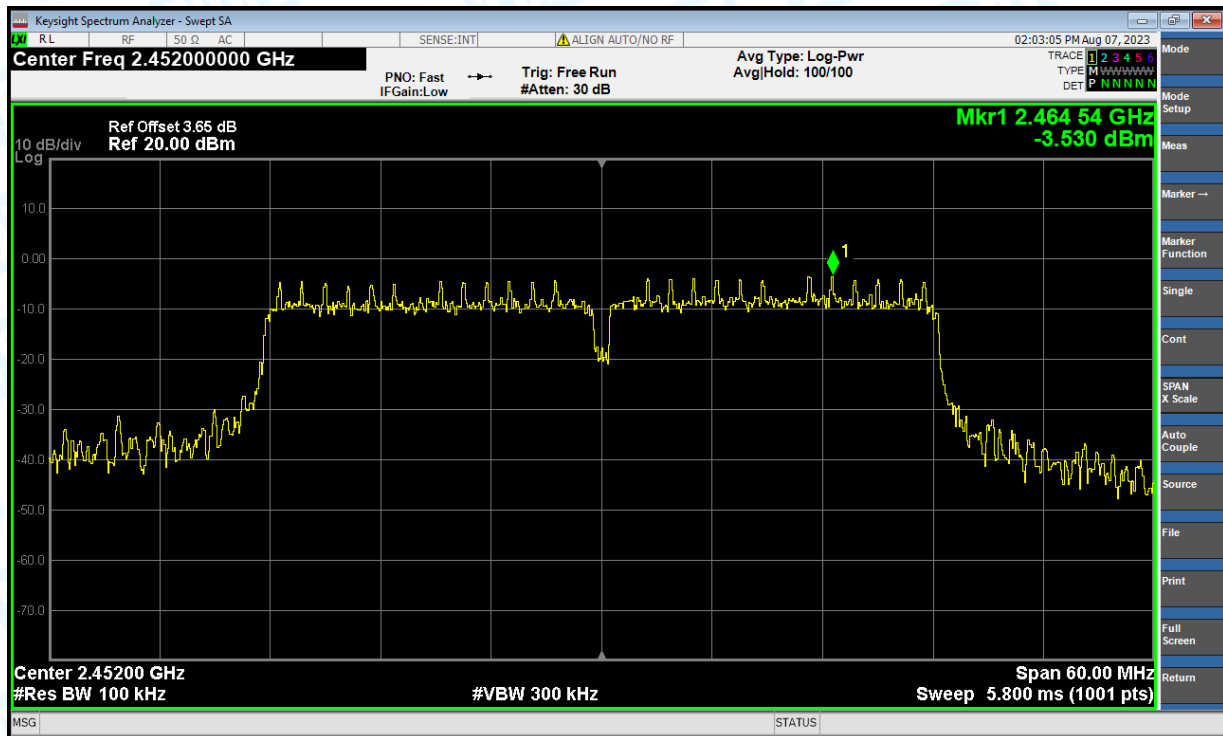
Band Edge NVNT n(HT40) 2422MHz Ant1 Ref



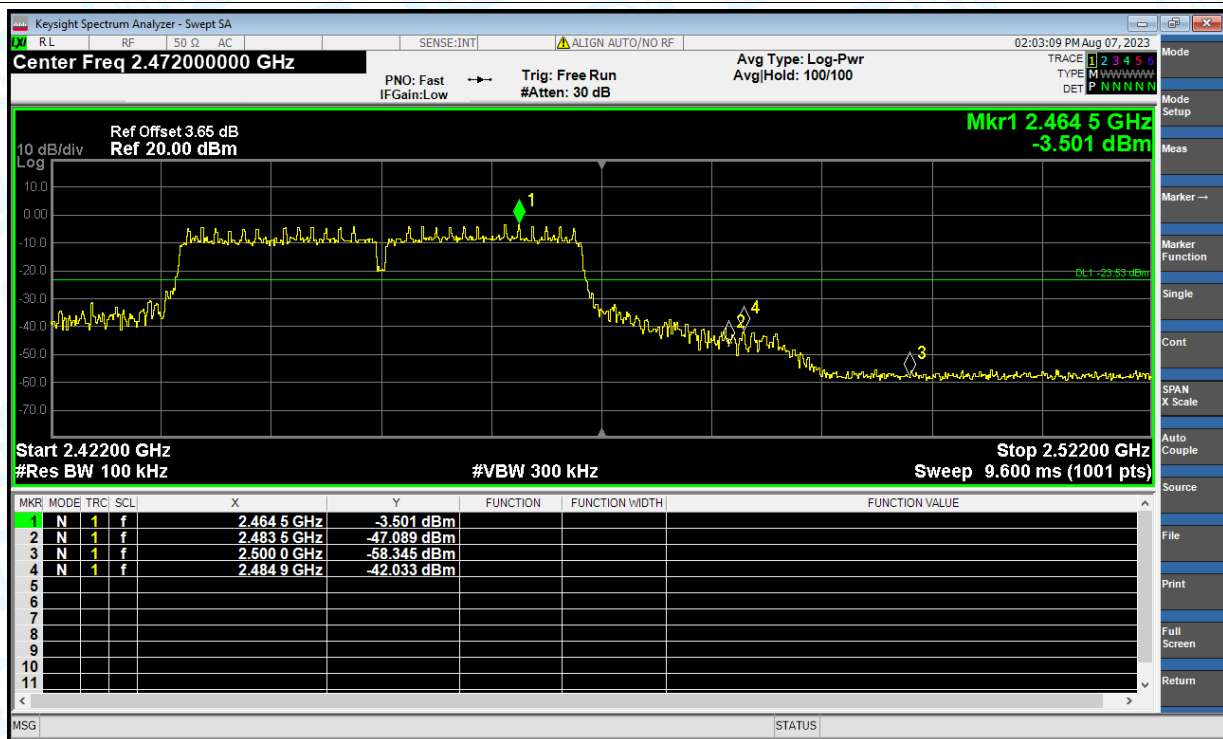
Band Edge NVNT n(HT40) 2422MHz Ant1 Emission



Band Edge NVNT n(HT40) 2452MHz Ant1 Ref



Band Edge NVNT n(HT40) 2452MHz Ant1 Emission



7. Conducted RF Spurious Emission

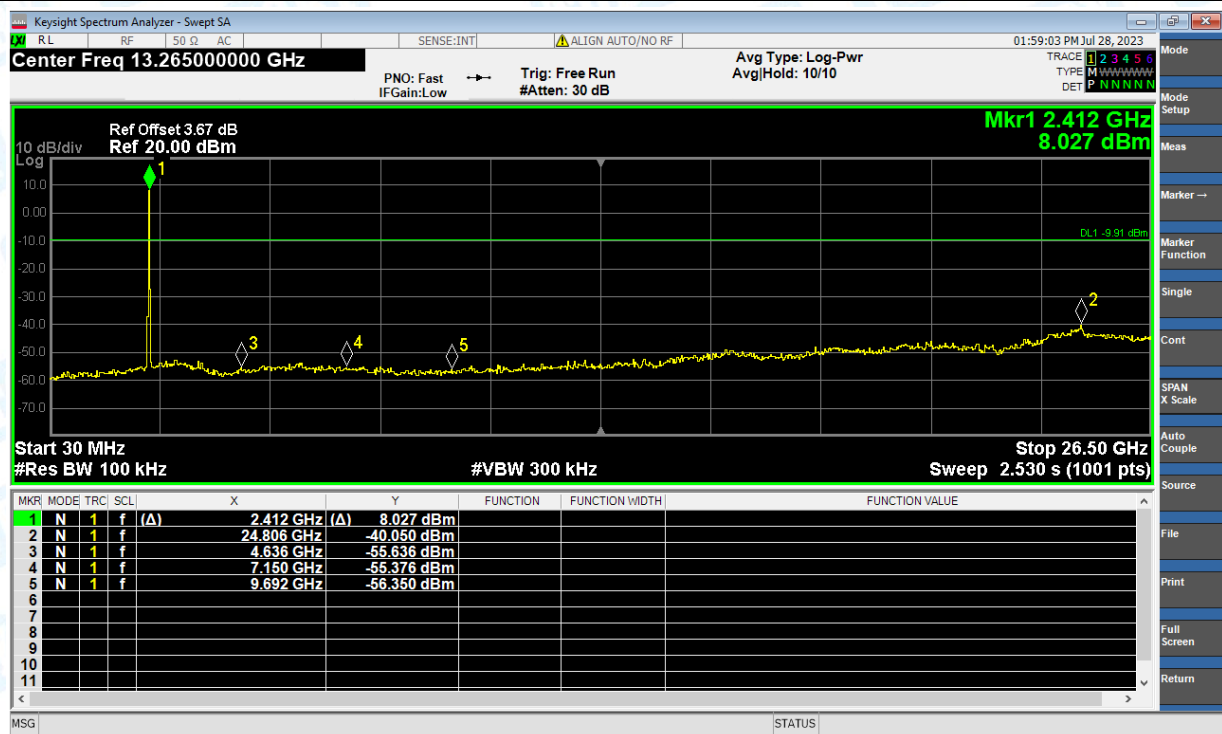
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.14	-20	Pass
NVNT	b	2437	Ant1	-46.16	-20	Pass
NVNT	b	2462	Ant1	-50.2	-20	Pass
NVNT	g	2412	Ant1	-49.98	-20	Pass
NVNT	g	2437	Ant1	-43.79	-20	Pass
NVNT	g	2462	Ant1	-46.77	-20	Pass
NVNT	n(HT20)	2412	Ant1	-43.71	-20	Pass
NVNT	n(HT20)	2437	Ant1	-40.86	-20	Pass
NVNT	n(HT20)	2462	Ant1	-43.8	-20	Pass
NVNT	n(HT40)	2422	Ant1	-39.6	-20	Pass
NVNT	n(HT40)	2437	Ant1	-39.49	-20	Pass
NVNT	n(HT40)	2452	Ant1	-37.4	-20	Pass

Test Graphs

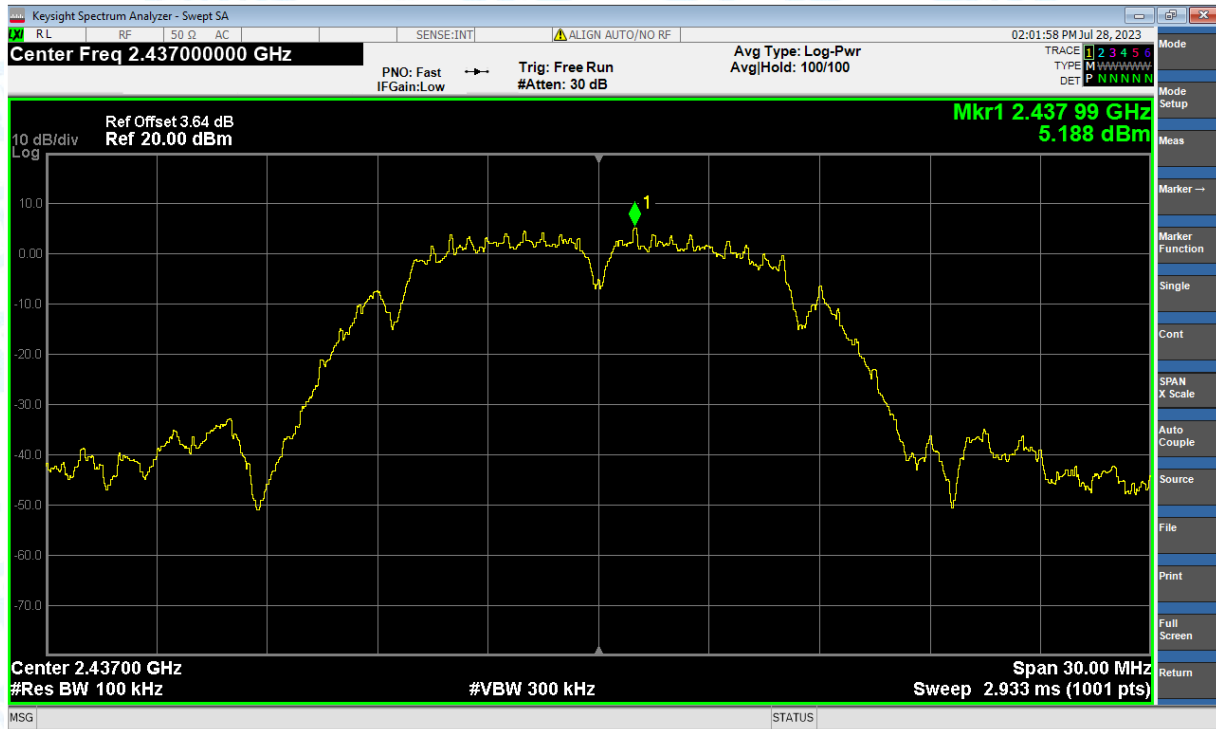
Tx. Spurious NVNT b 2412MHz Ant1 Ref



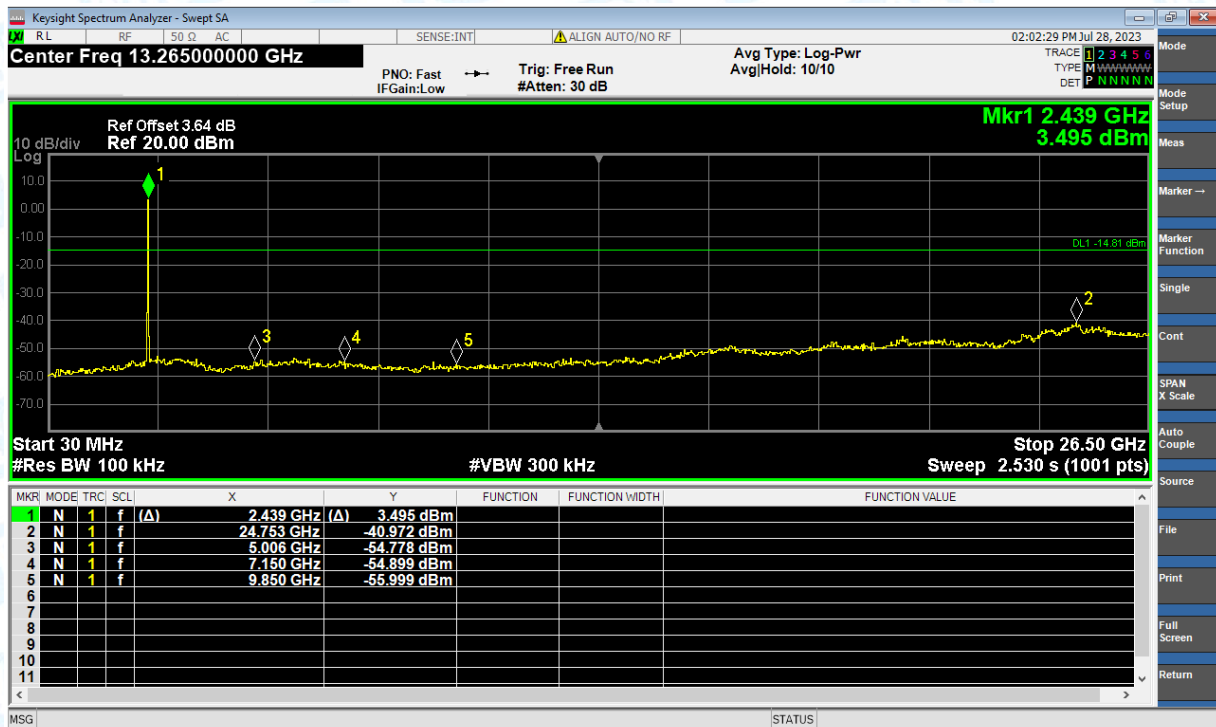
Tx. Spurious NVNT b 2412MHz Ant1 Emission



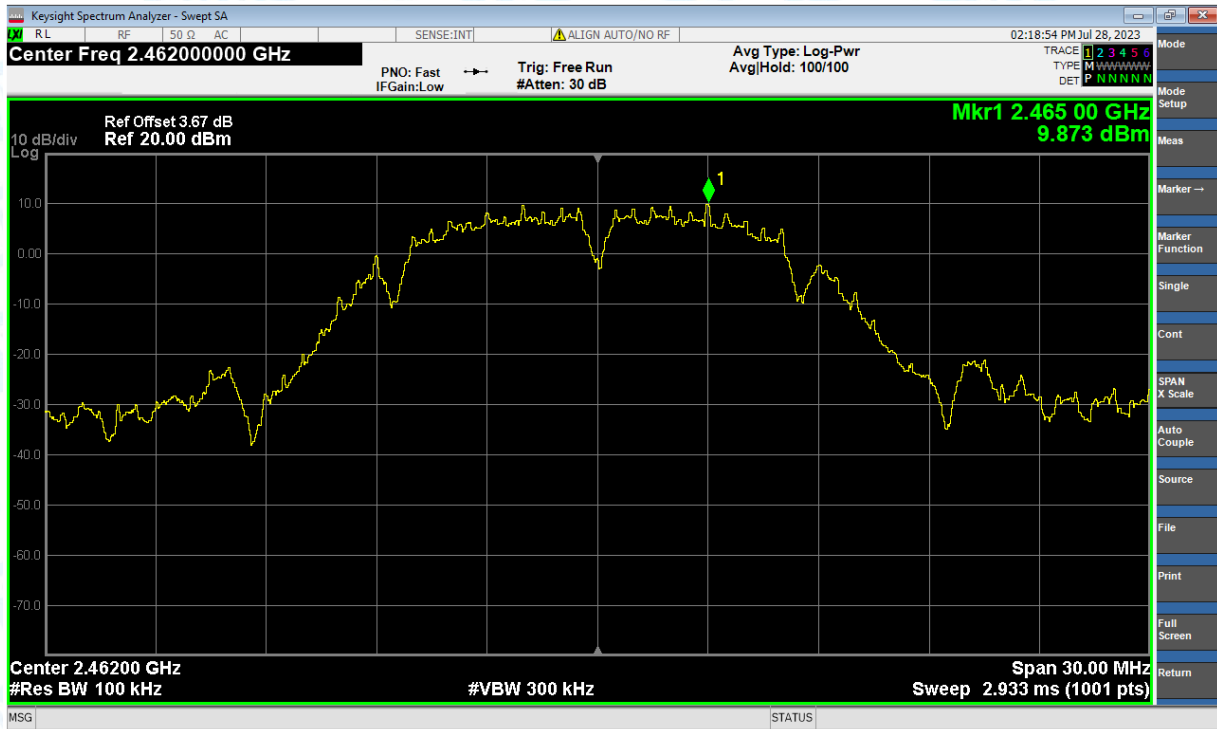
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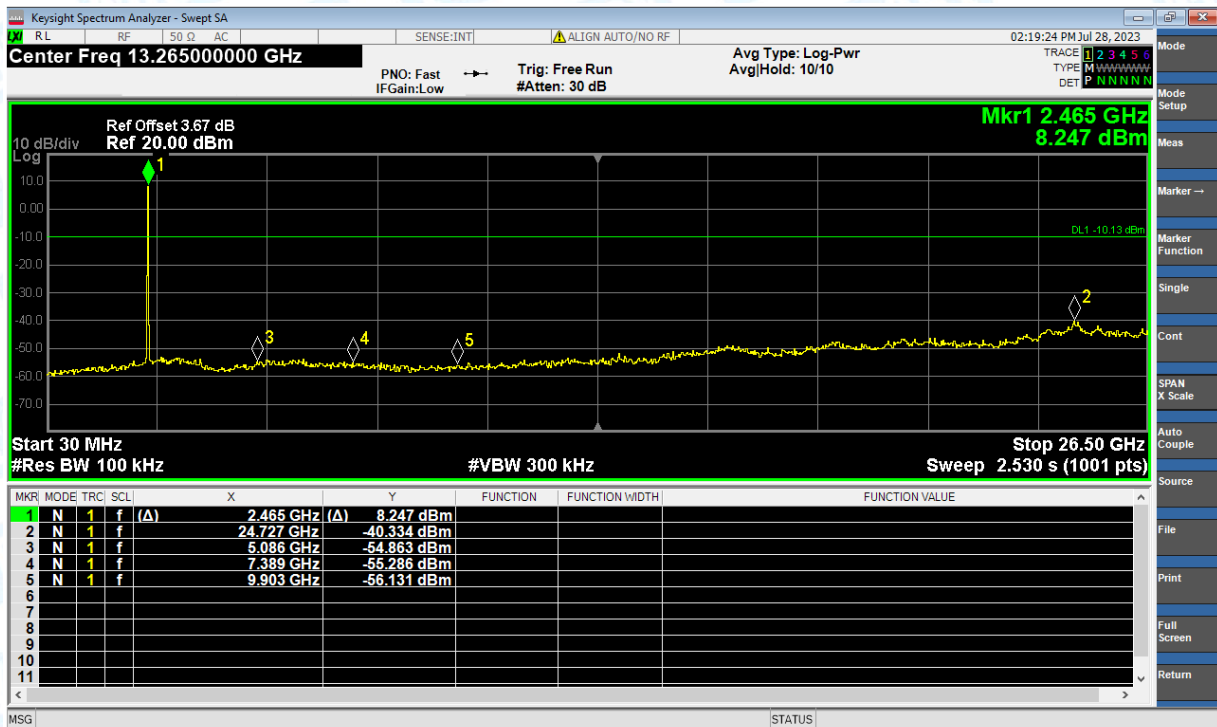
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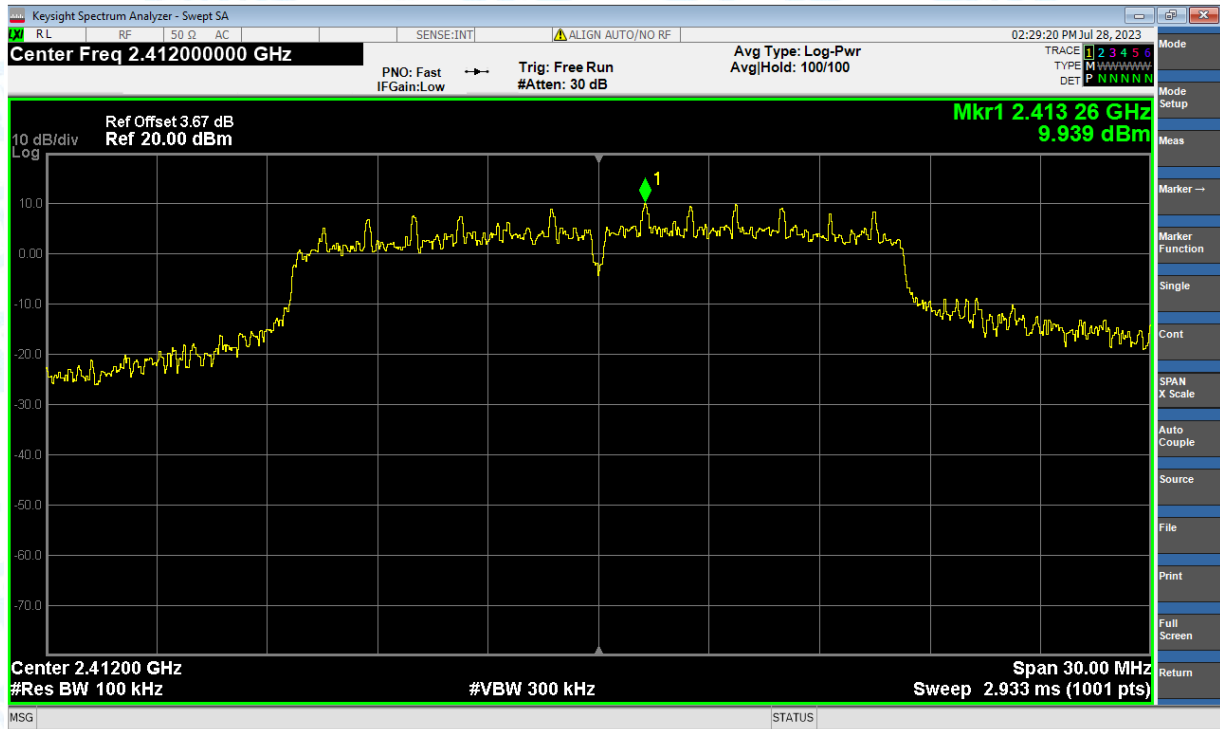
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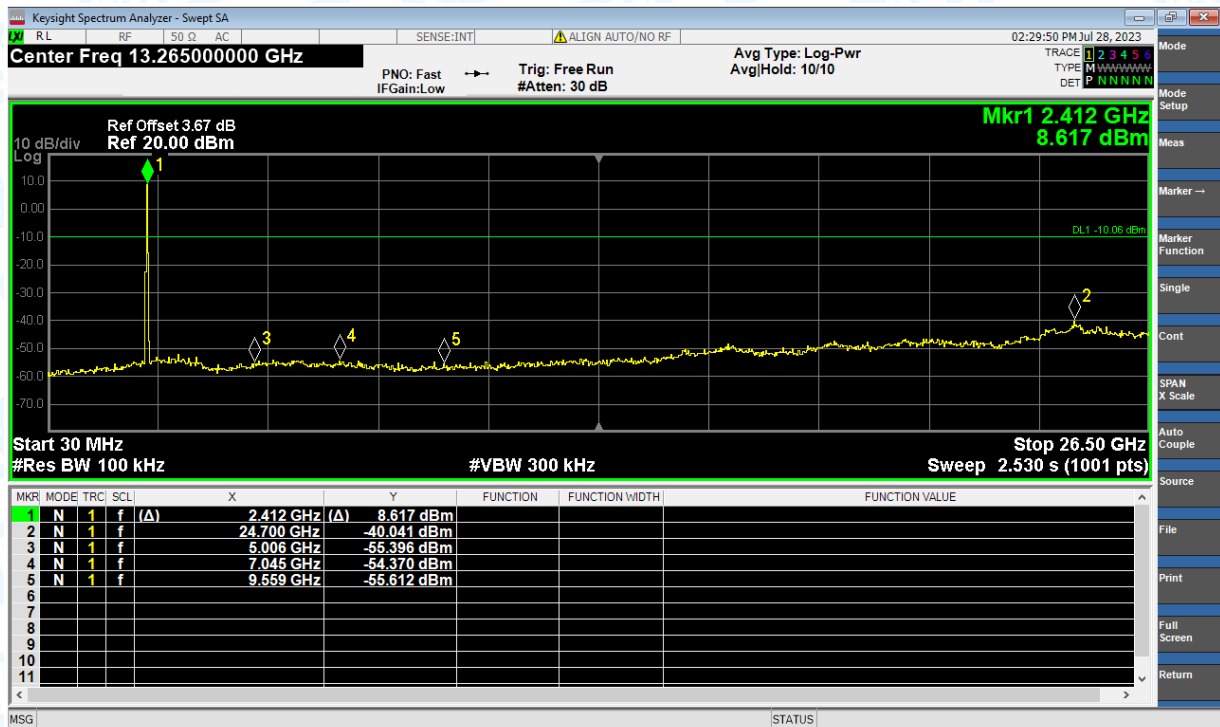
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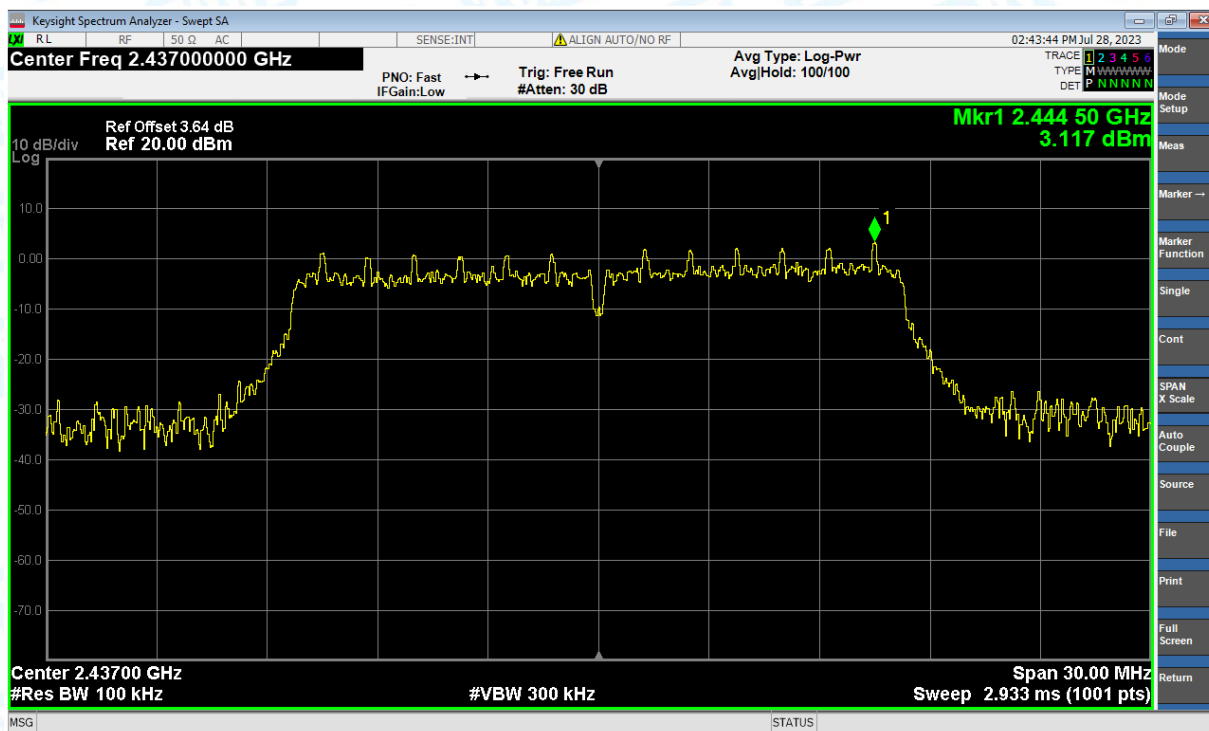
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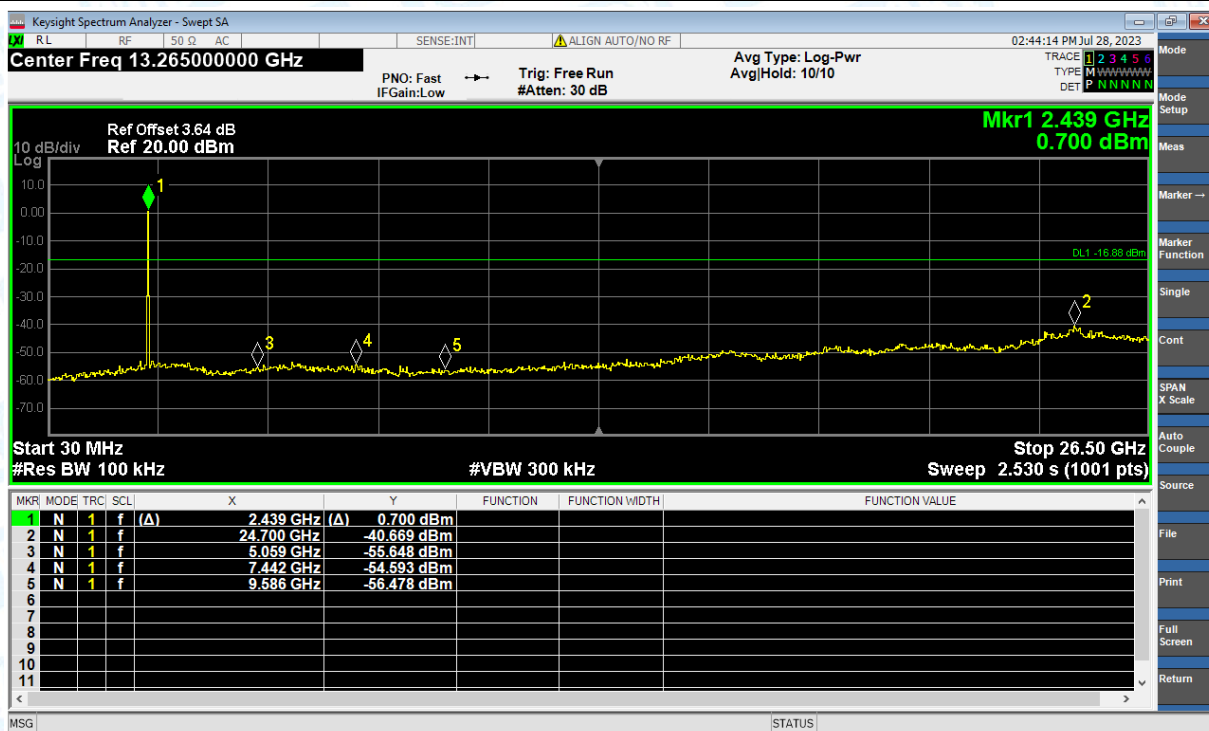
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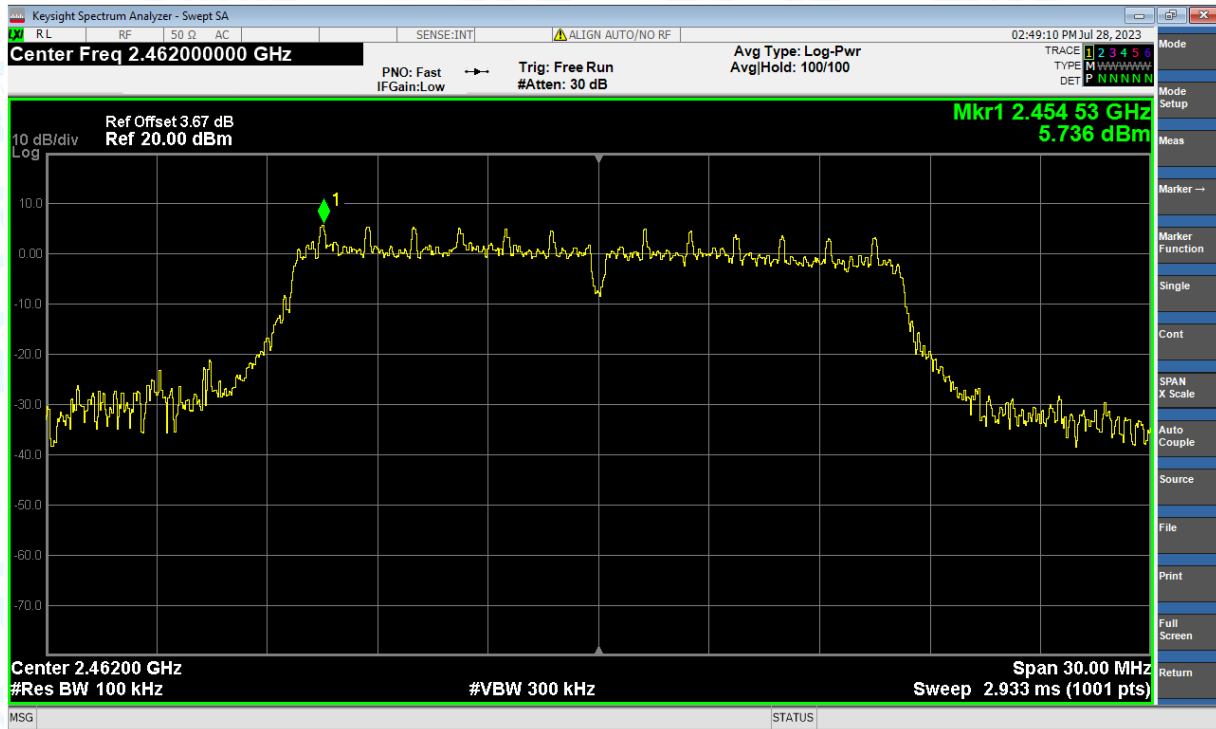
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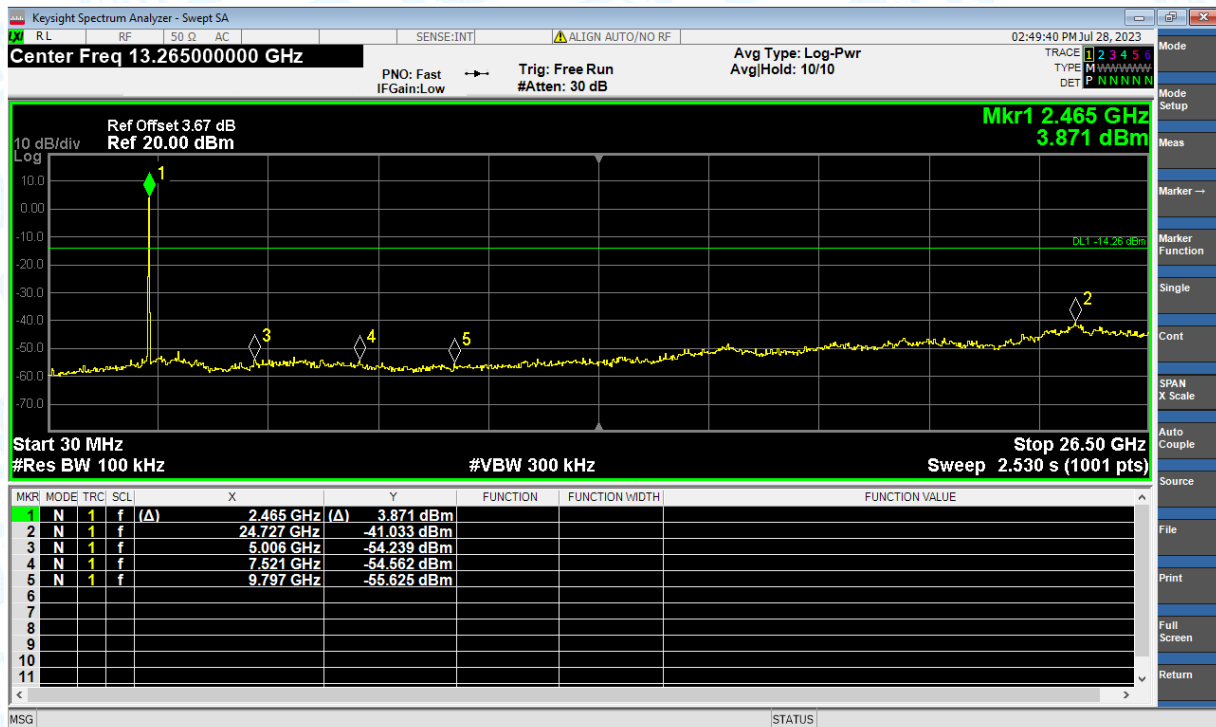
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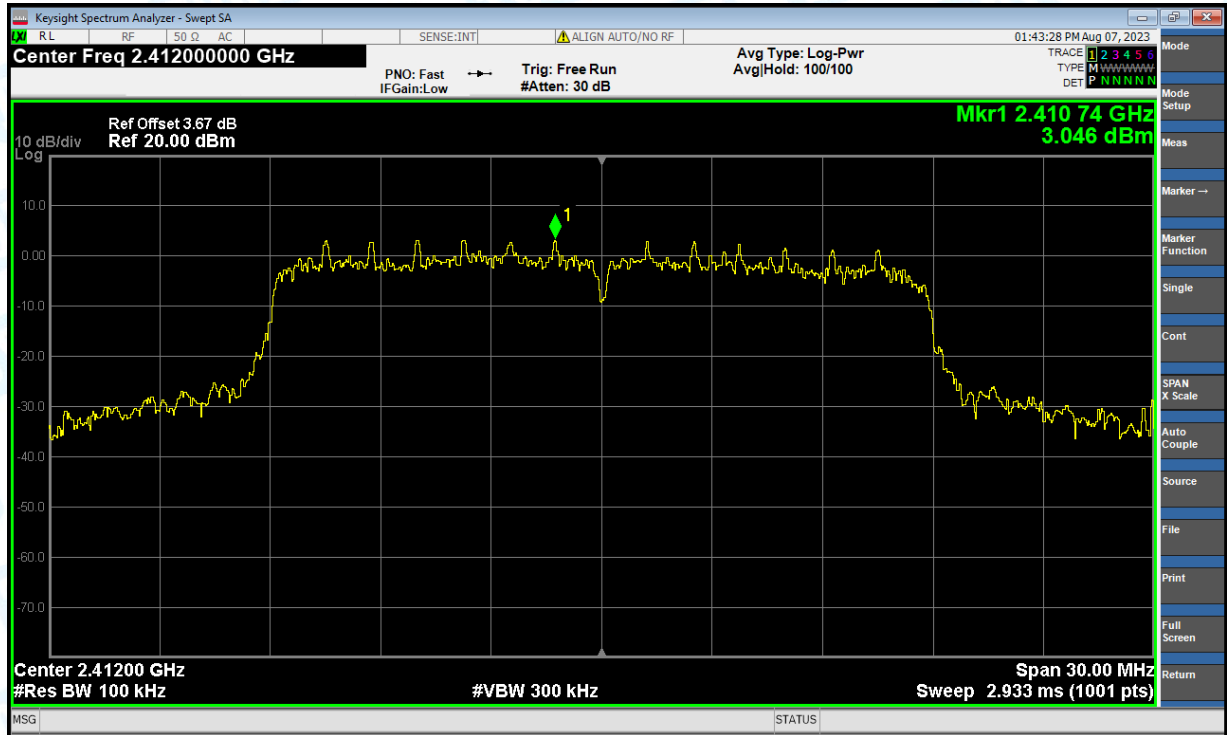
Tx. Spurious NVNT g 2462MHz Ant1 Ref



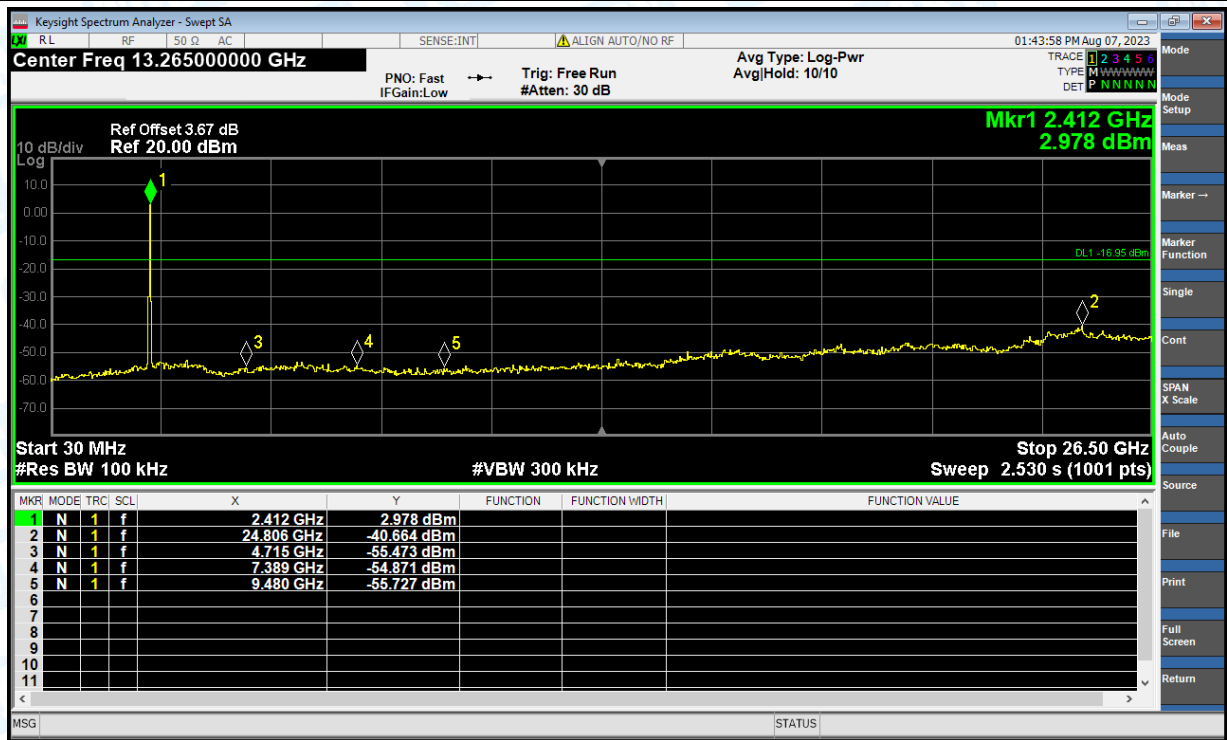
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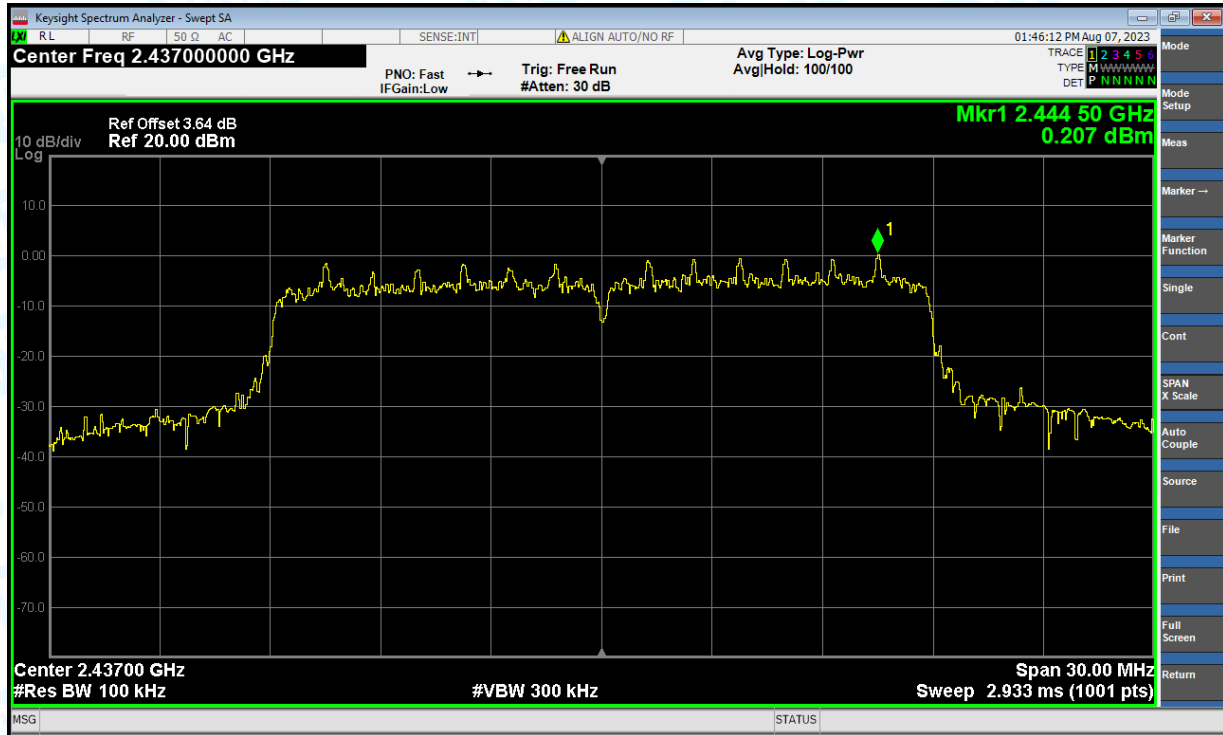
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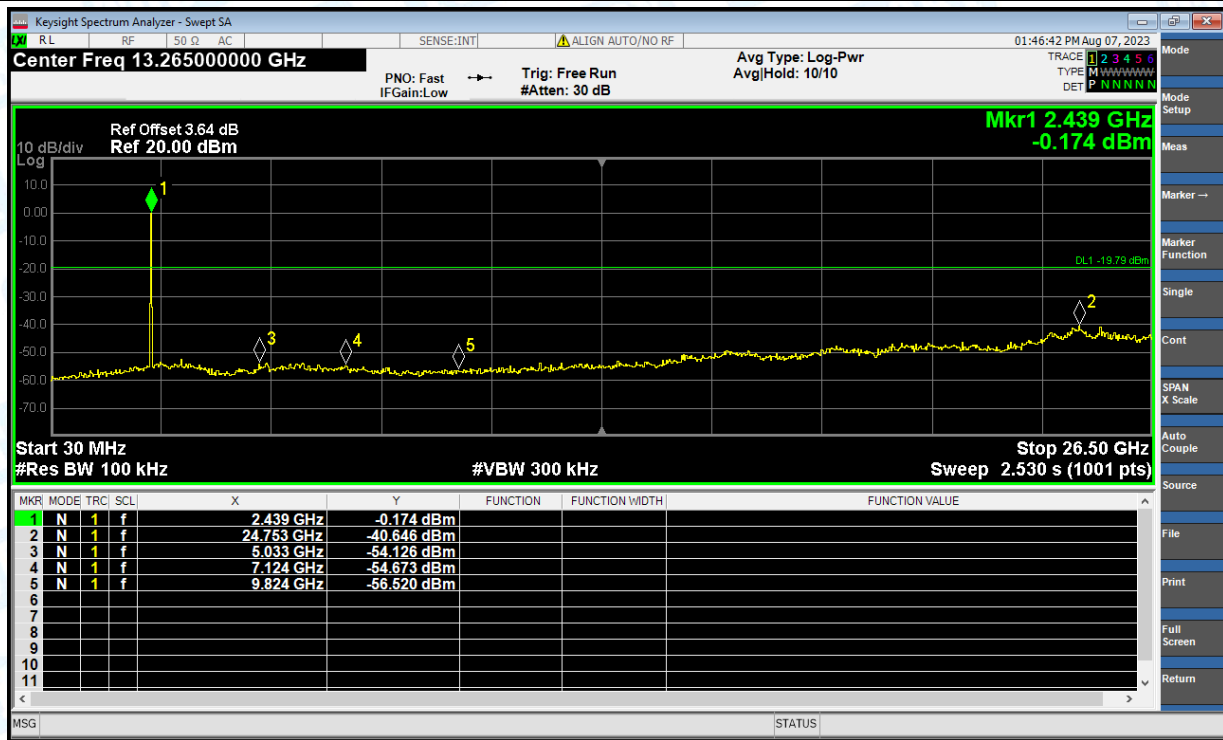
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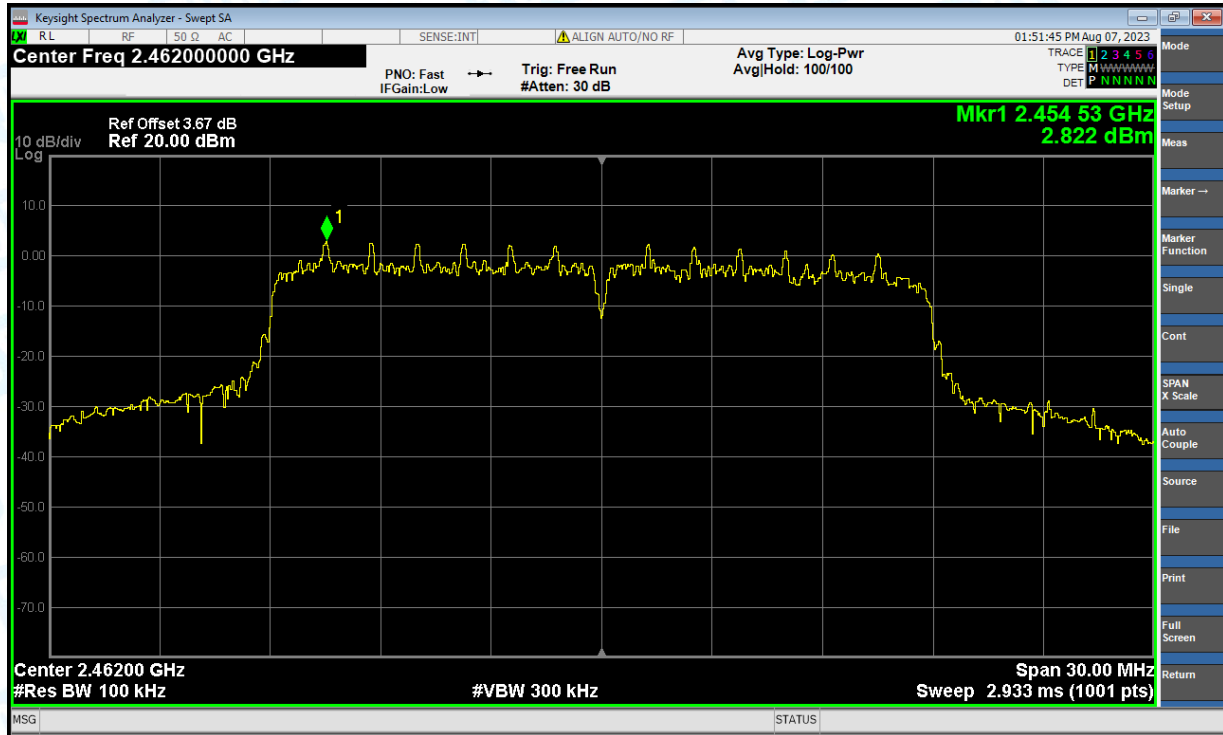
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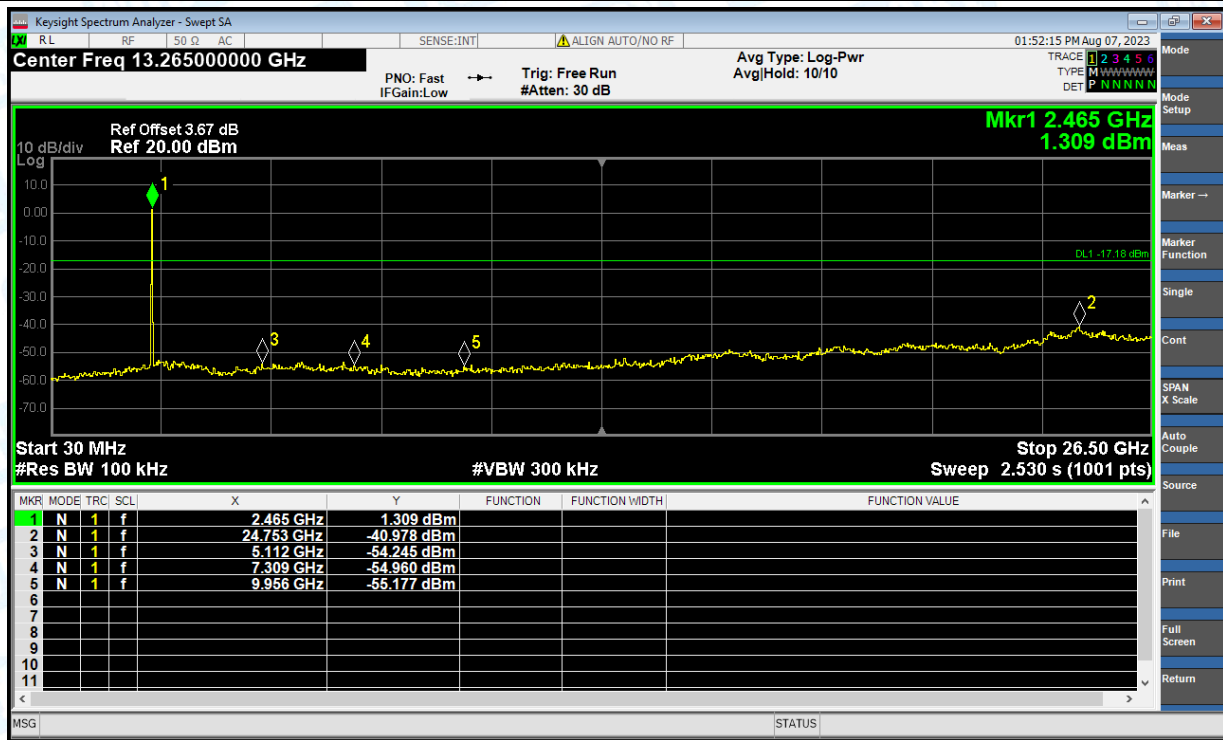
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Emission



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



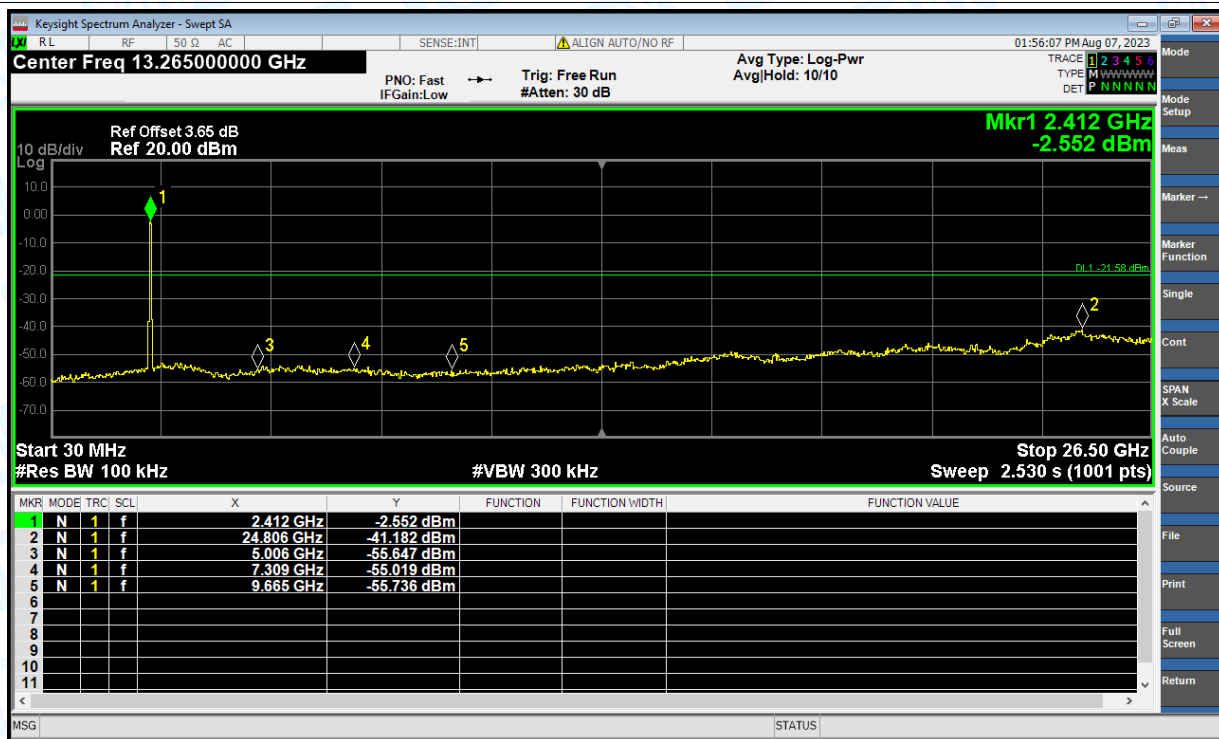
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Emission



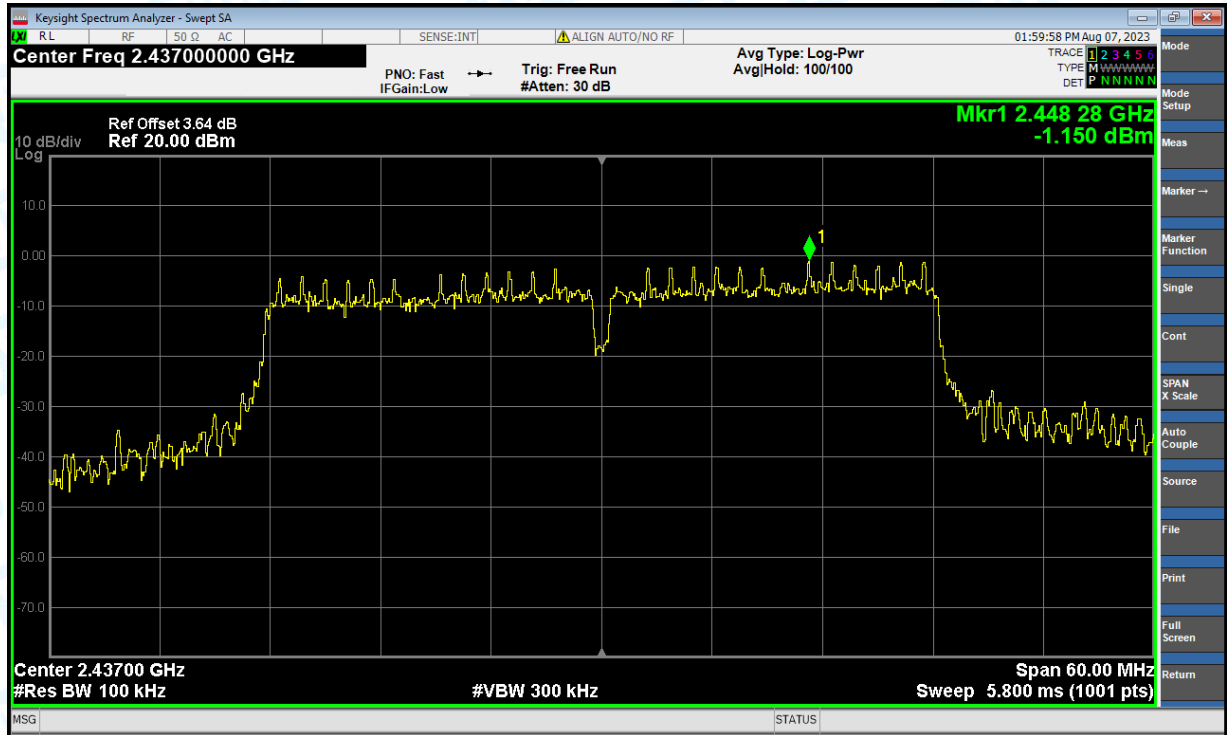
Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Ref



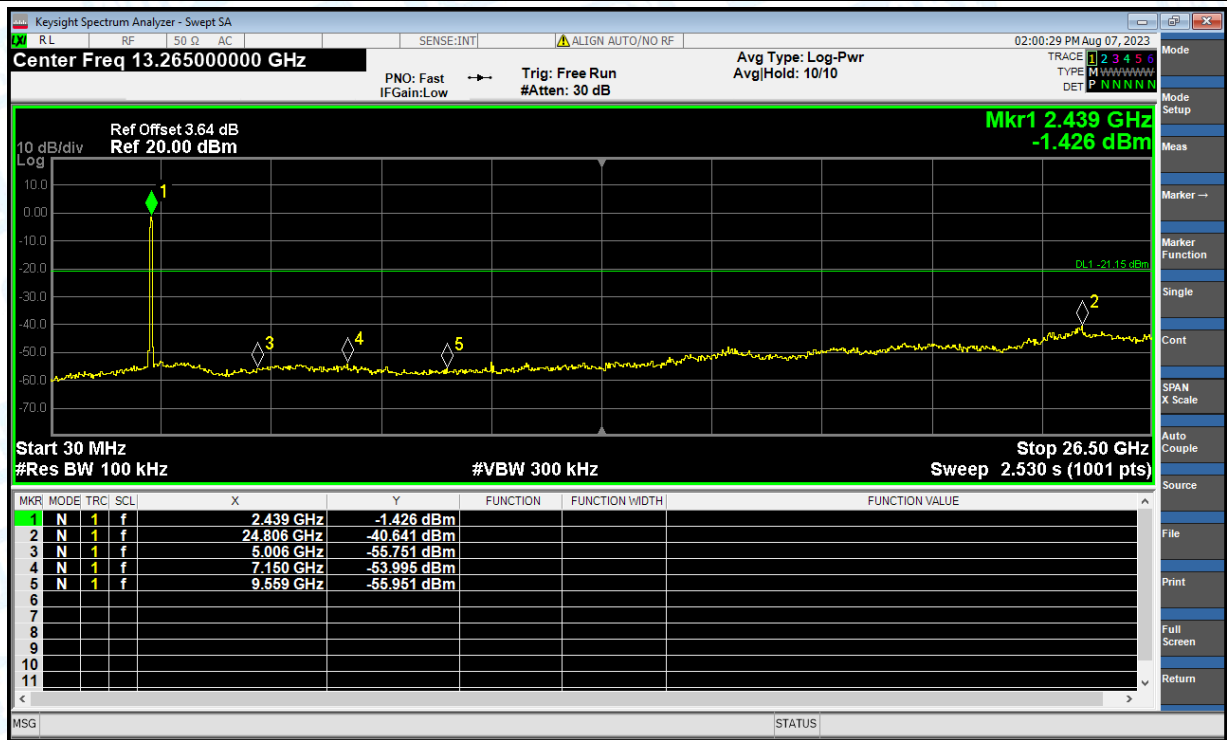
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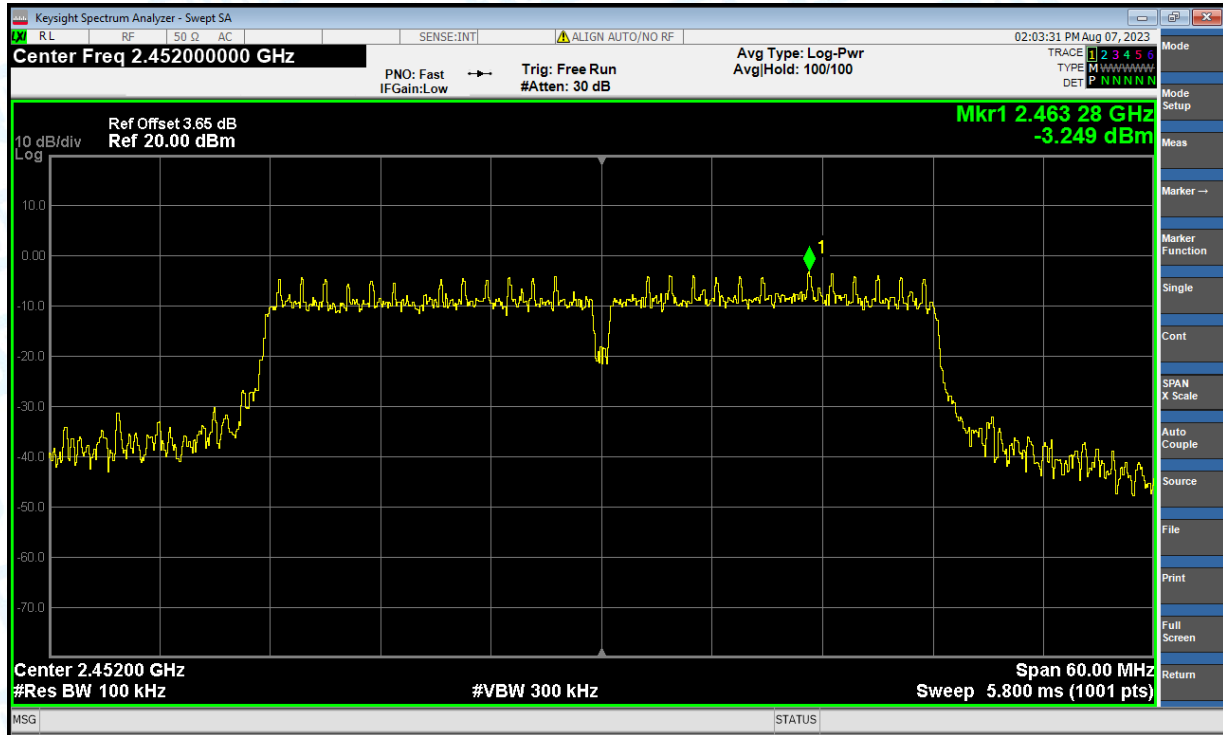
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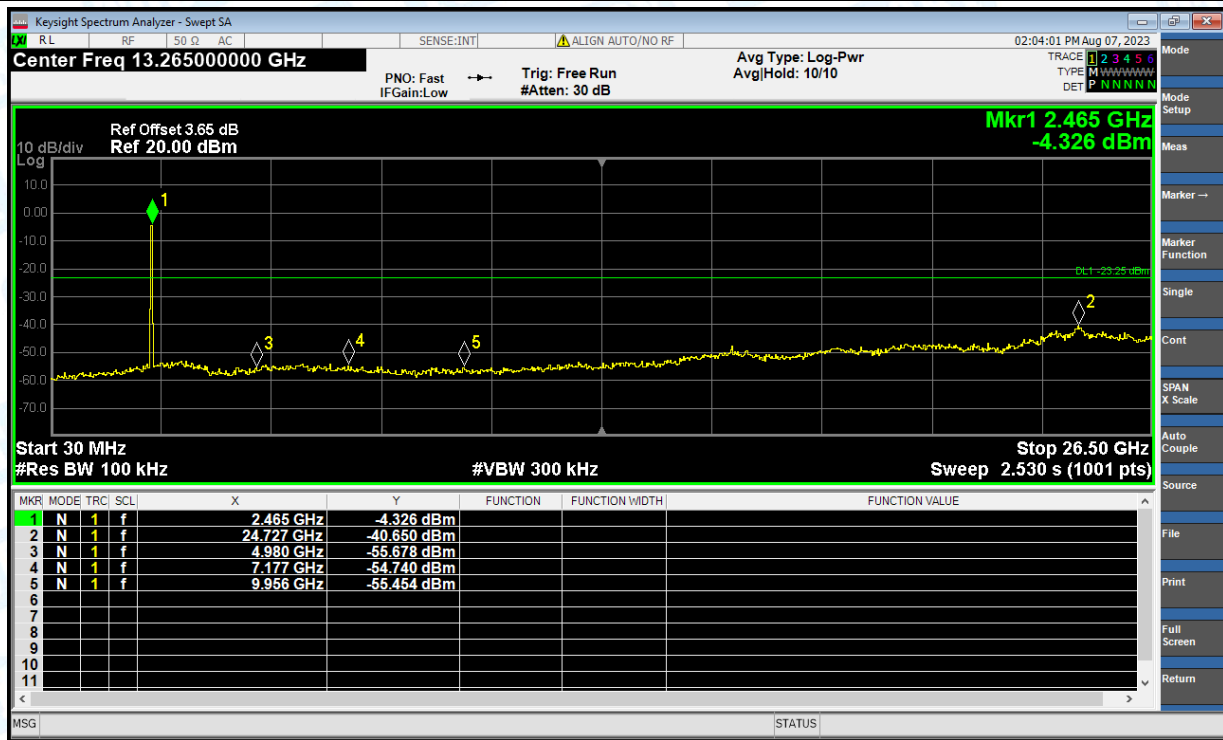
Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Emission



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



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



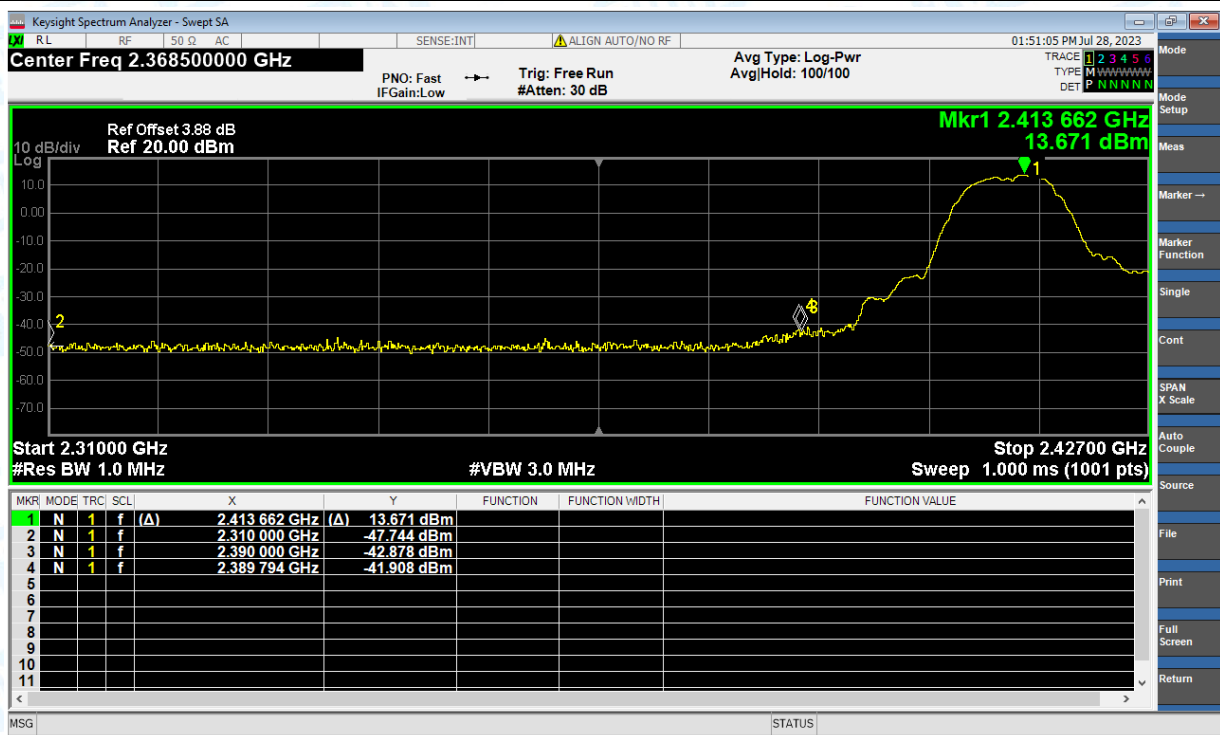
8. Restrict Band

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	-47.74	2	49.52	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-57.49	2	39.77	Average	54	Pass
NVNT	b	2412	Ant1	2389.794	-41.91	2	55.35	Peak	74	Pass
NVNT	b	2412	Ant1	2389.56	-51.81	2	45.45	Average	54	Pass
NVNT	b	2412	Ant1	2390	-42.88	2	54.38	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-51.39	2	45.87	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-40.12	2	57.14	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-46.12	2	51.14	Average	54	Pass
NVNT	b	2462	Ant1	2483.941	-39.37	2	57.89	Peak	74	Pass
NVNT	b	2462	Ant1	2483.517	-46.12	2	51.14	Average	54	Pass
NVNT	b	2462	Ant1	2500	-48.33	2	48.93	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-57.2	2	40.06	Average	54	Pass
NVNT	g	2412	Ant1	2310	-47.87	2	49.39	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-56.49	2	40.77	Average	54	Pass
NVNT	g	2412	Ant1	2389.677	-34.91	2	62.35	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-50.19	2	47.07	Average	54	Pass
NVNT	g	2412	Ant1	2390	-36.87	2	60.39	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-49.9	2	47.36	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-31.48	2	65.78	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-45.16	2	52.1	Average	54	Pass
NVNT	g	2462	Ant1	2483.941	-27.91	2	69.35	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-45.16	2	52.1	Average	54	Pass
NVNT	g	2462	Ant1	2500	-48.23	2	49.03	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-55.74	2	41.52	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2310	-48.02	2	49.24	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2310	-56.6	2	40.66	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2389.911	-26.77	2	70.49	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2389.677	-43.65	2	53.61	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2390	-29.04	2	68.22	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2390	-43.29	2	53.97	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-32.29	2	64.97	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-47.01	2	50.25	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2486.061	-28.87	2	68.39	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.517	-47.01	2	50.25	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2500	-48.73	2	48.53	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2500	-56.64	2	40.62	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2310	-48.47	2	48.79	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2310	-55.49	2	41.77	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2389.946	-33.33	2	63.93	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2389.946	-46.8	2	50.46	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2390	-32.96	2	64.3	Peak	74	Pass

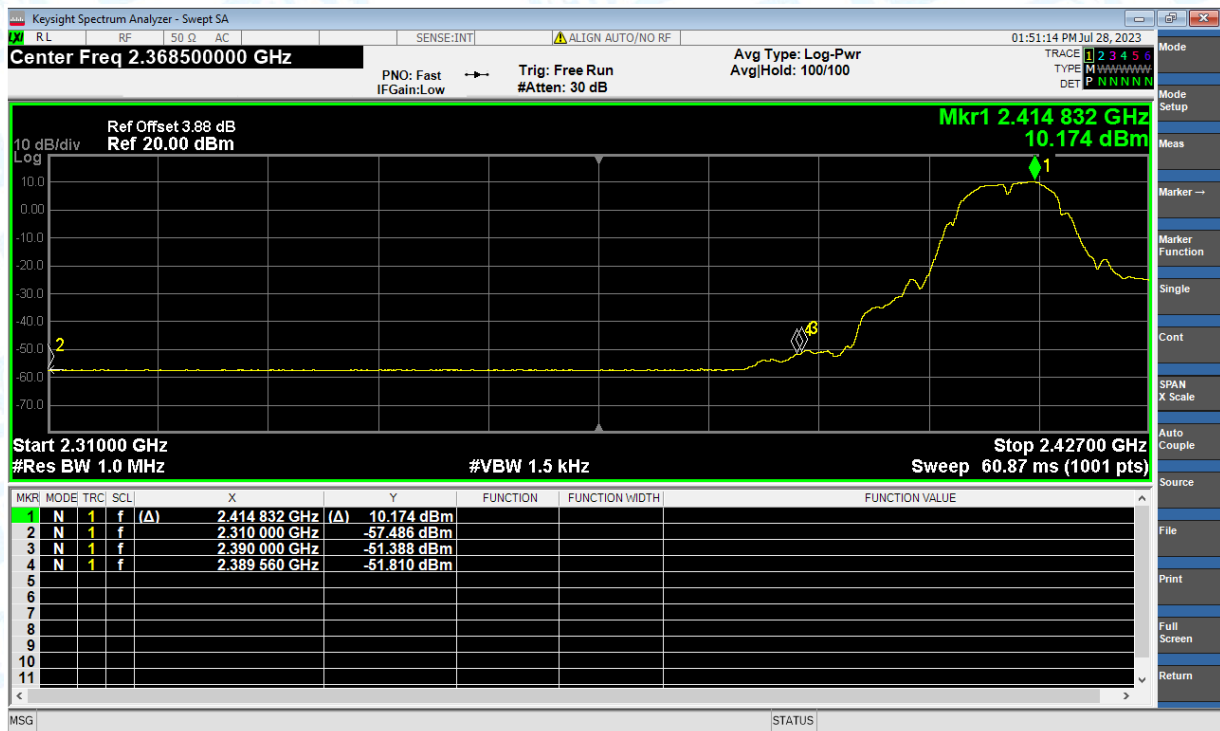
NVNT	n(HT40)	2422	Ant1	2390	-46.93	2	50.33	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2483.5	-30.07	2	67.19	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2483.5	-45.07	2	52.19	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2485.804	-28.63	2	68.63	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2483.698	-44.65	2	52.61	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2500	-47.44	2	49.82	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2500	-55.53	2	41.73	Average	54	Pass

Test Graphs

Restrict Band NVNT b 2412MHz Ant1 Peak



Restrict Band NVNT b 2412MHz Ant1 Average



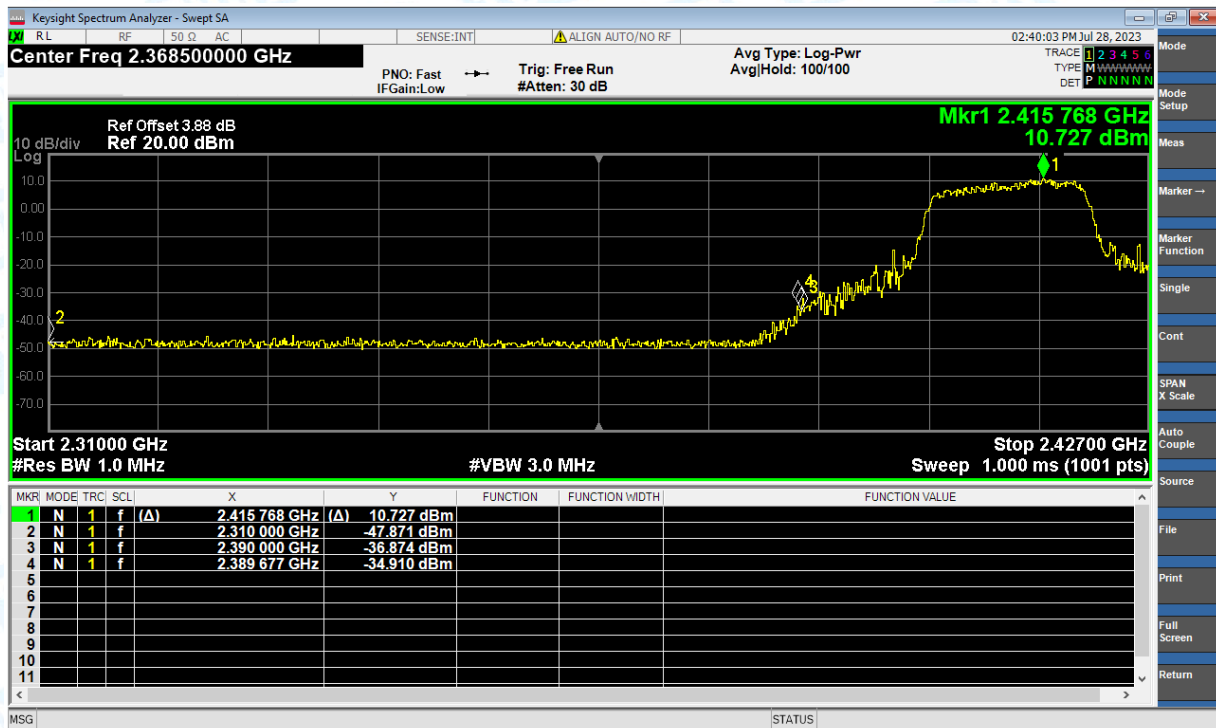
Restrict Band NVNT b 2462MHz Ant1 Peak



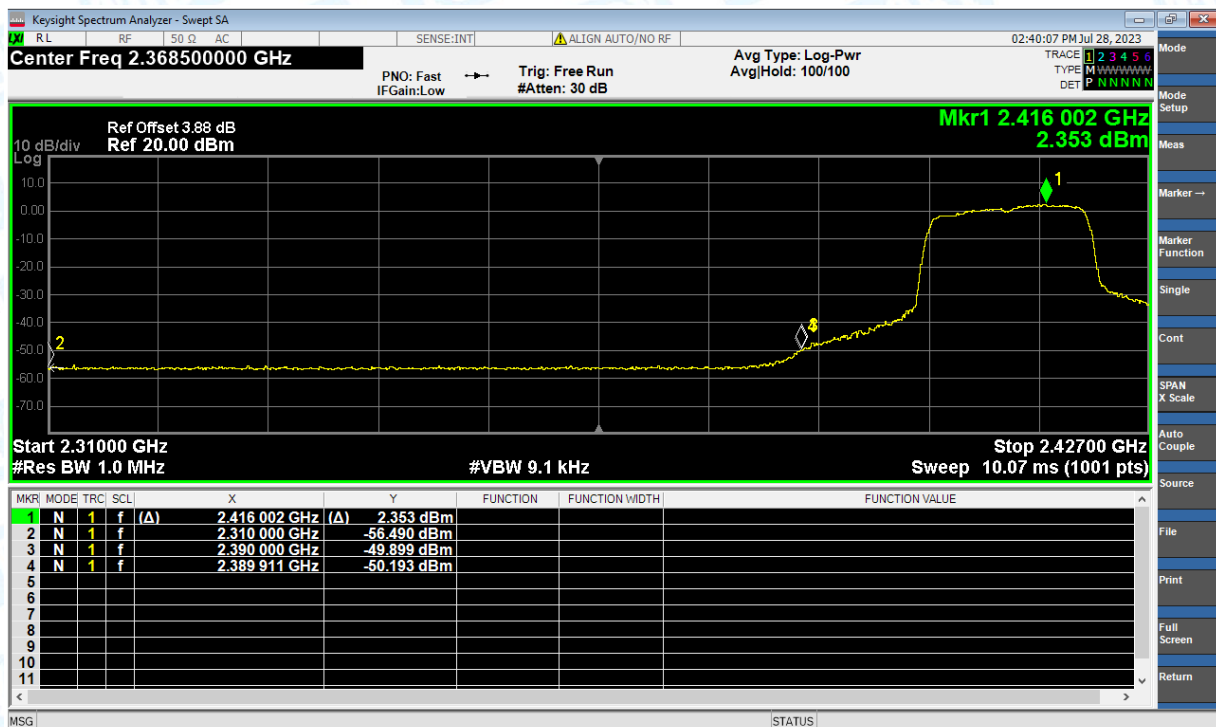
Restrict Band NVNT b 2462MHz Ant1 Average



Restrict Band NVNT g 2412MHz Ant1 Peak



Restrict Band NVNT g 2412MHz Ant1 Average



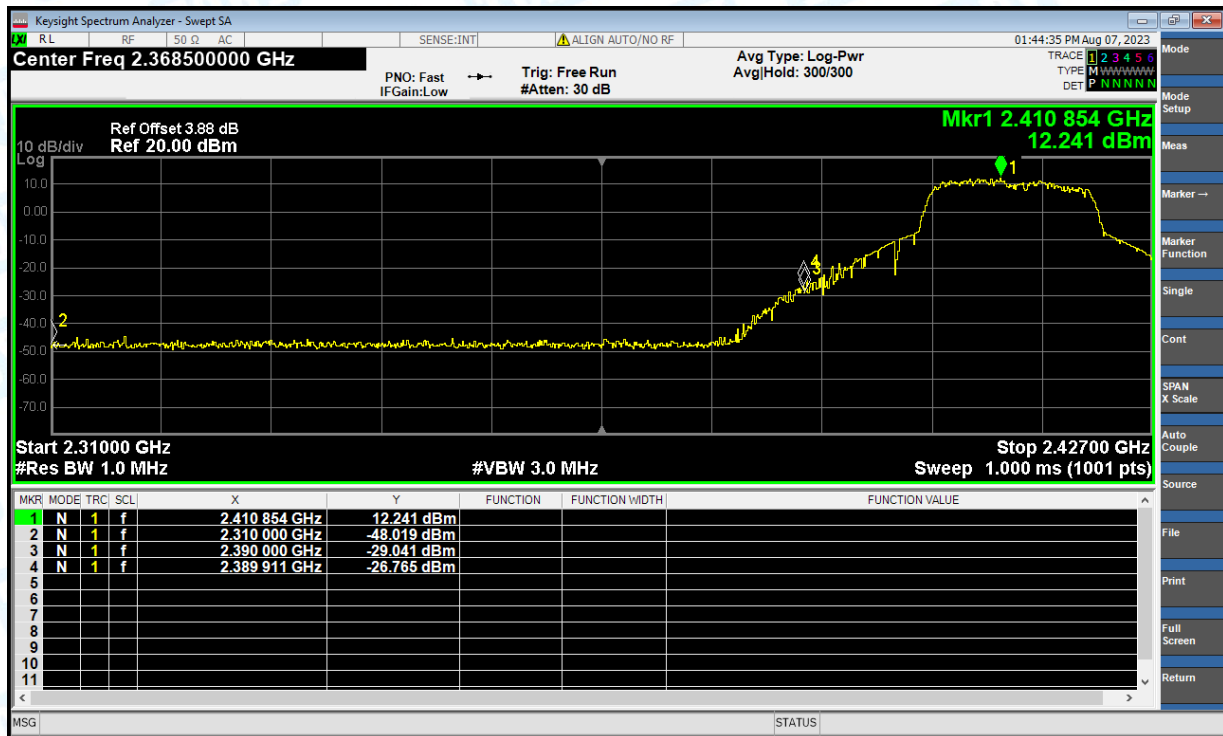
Restrict Band NVNT g 2462MHz Ant1 Peak



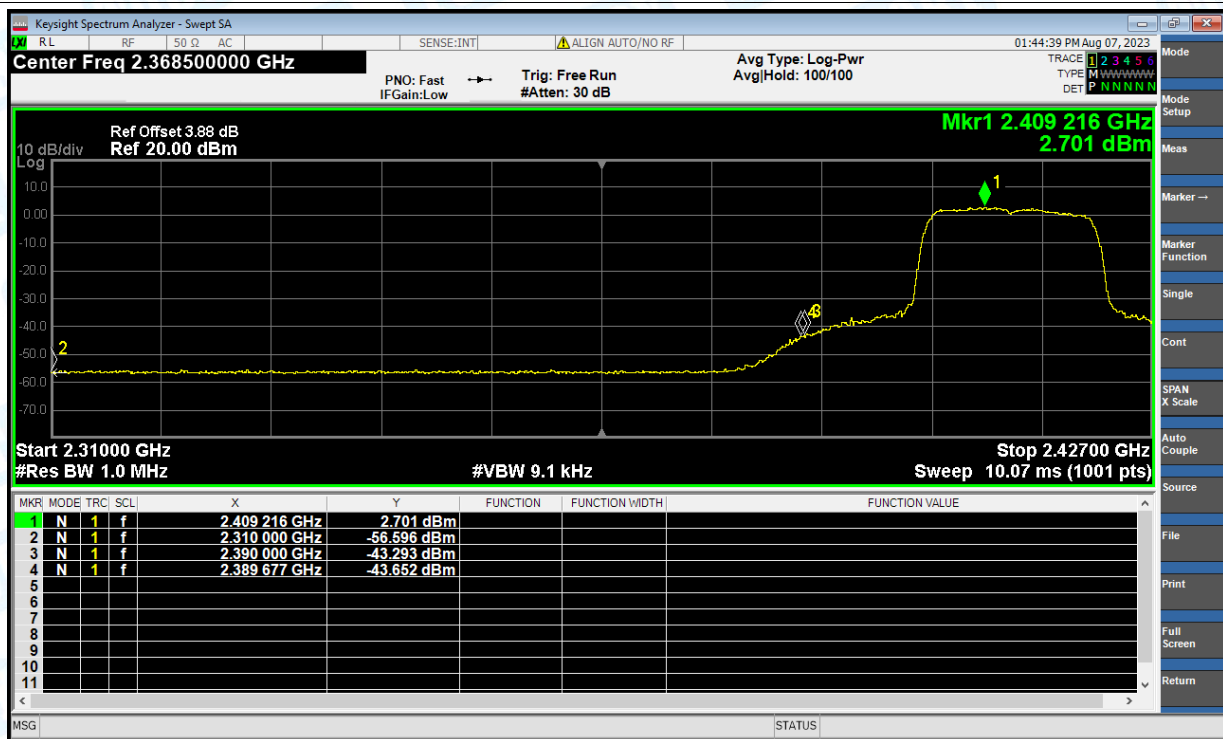
Restrict Band NVNT g 2462MHz Ant1 Average



Restrict Band NVNT n(HT20) 2412MHz Ant1 Peak



Restrict Band NVNT n(HT20) 2412MHz Ant1 Average



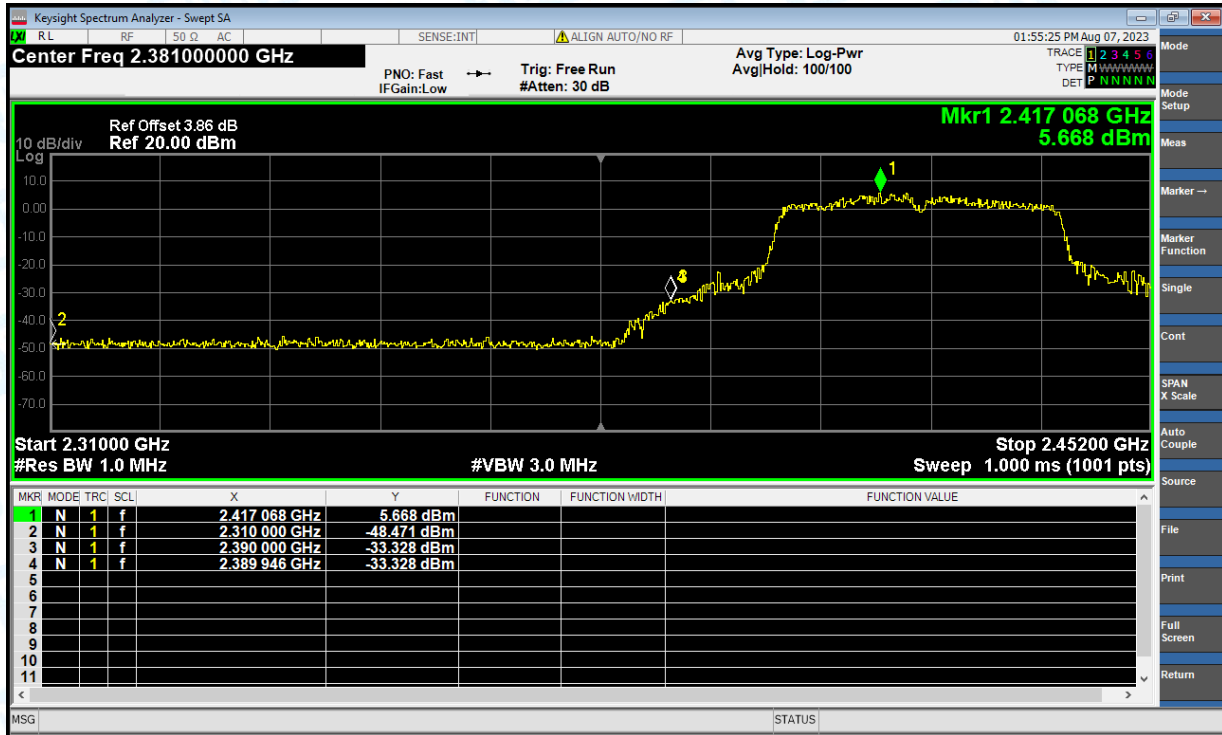
Restrict Band NVNT n(HT20) 2462MHz Ant1 Peak



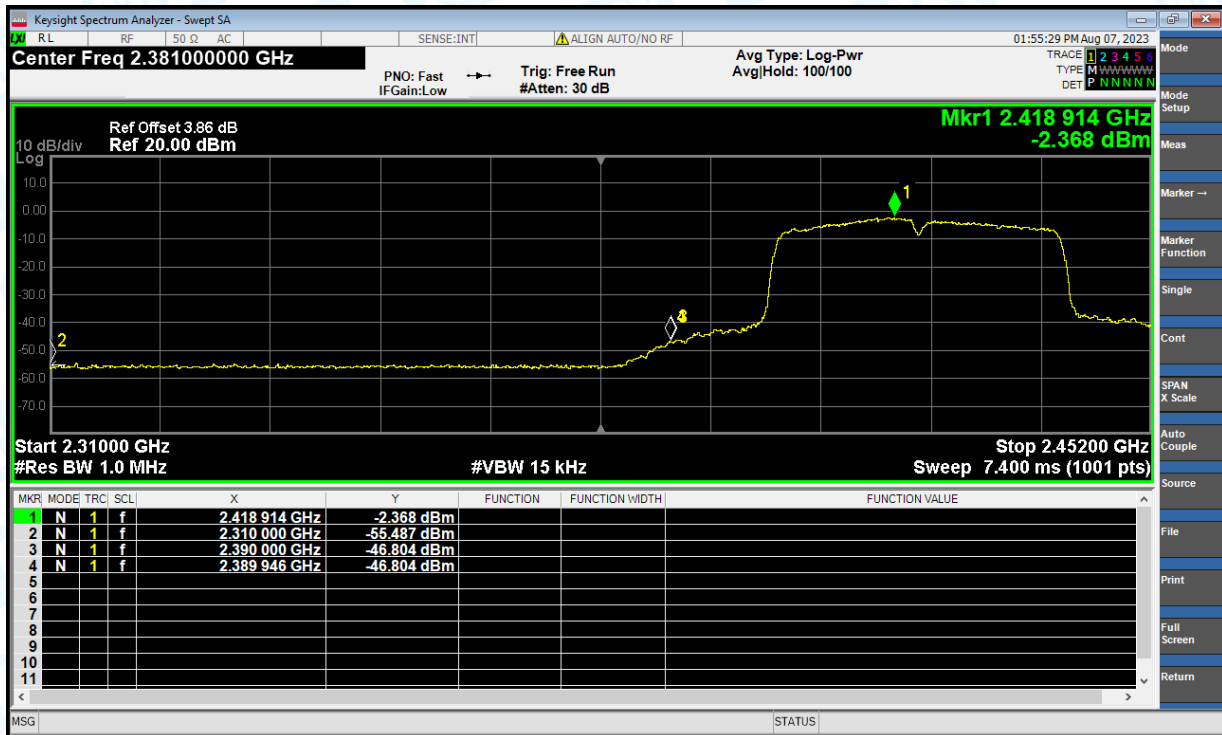
Restrict Band NVNT n(HT20) 2462MHz Ant1 Average



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



-----END OF THE REPORT-----