

RF Test Data for 2.4G WiFi (Conducted Measurements)

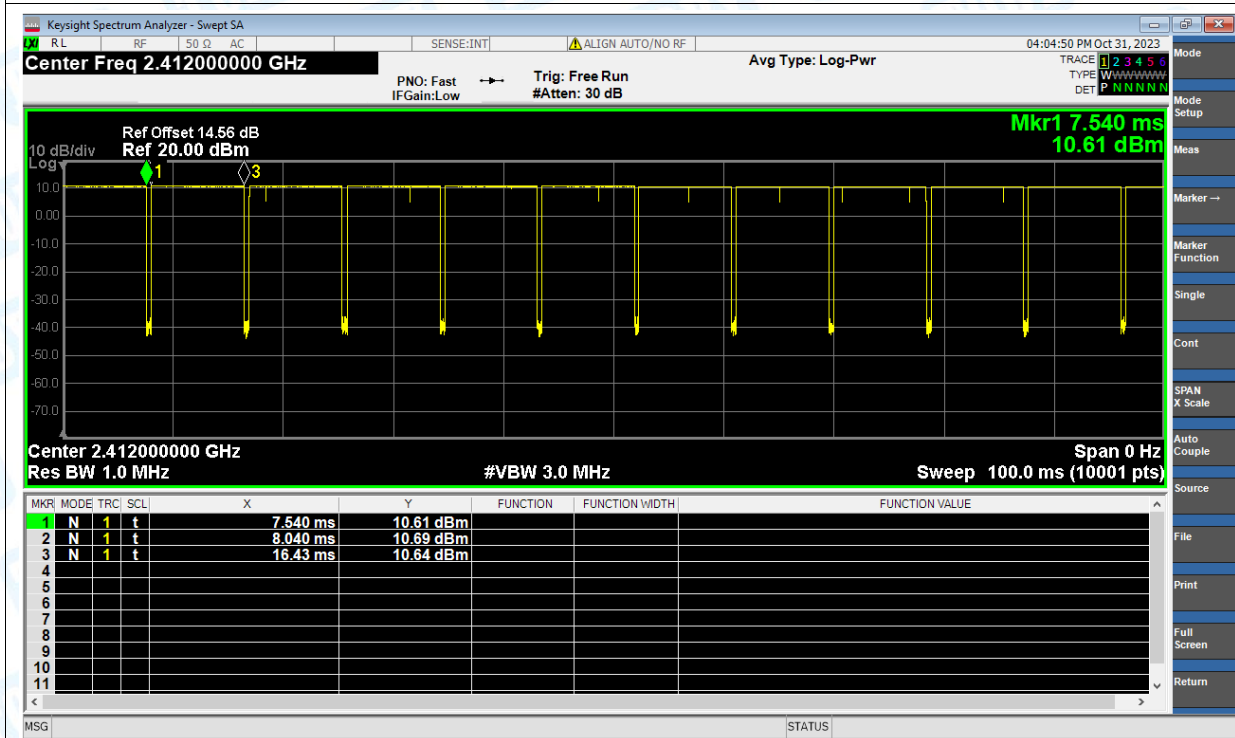
General Description of EUT	
Product Name:	Capri
Test Model:	CP-EL128
Sample ID:	HC-C-202308-0125-02-01-2#
Environmental Conditions	
Temperature:	24℃
Relative Humidity:	50%
Test Voltage:	DC 5V
Test Engineer:	Zhangchenxi
Note: For a more detailed features description, please refer to the report TBR-C-202308-0125-5 The report only show the worst case data.	

Duty Cycle

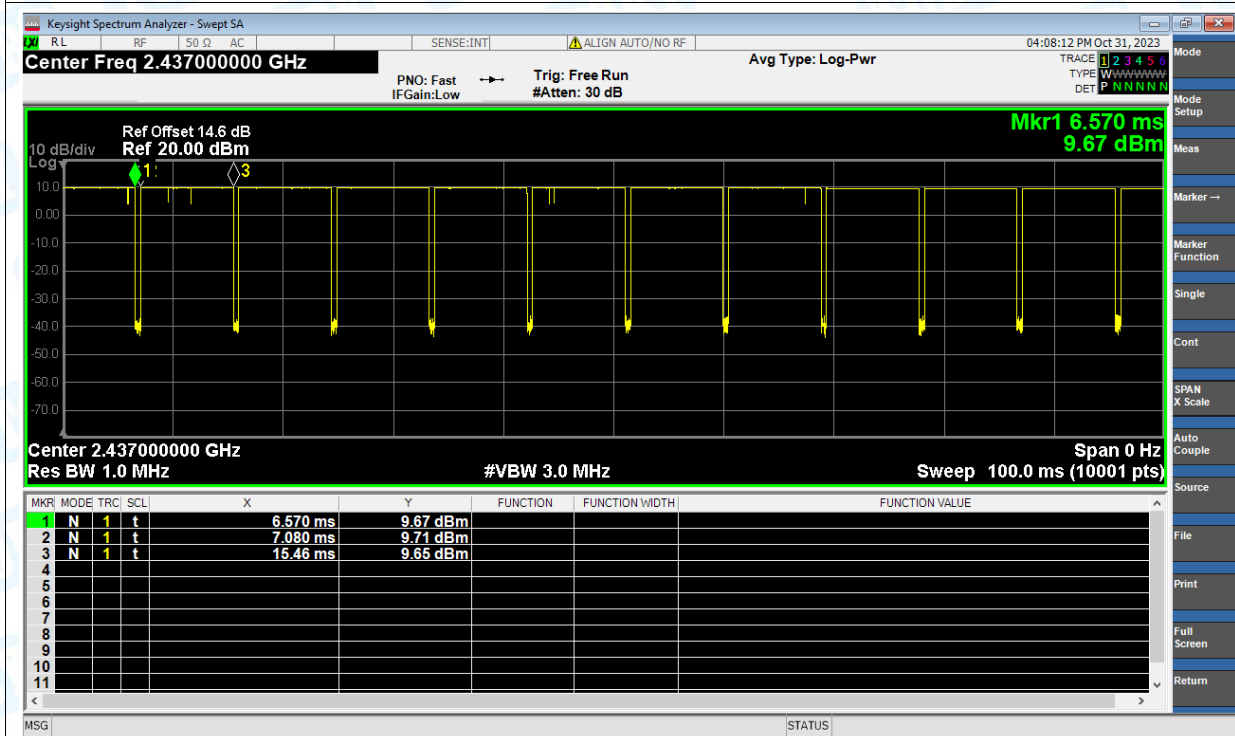
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	94.38	0.25	0.12
NVNT	b	2437	Ant1	94.26	0.26	0.12
NVNT	b	2462	Ant1	93.84	0.28	0.12
NVNT	b	2412	Ant2	94.26	0.26	0.12
NVNT	b	2437	Ant2	94.26	0.26	0.12
NVNT	b	2462	Ant2	96.11	0.17	0.12
NVNT	g	2412	Ant1	73.68	1.33	0.71
NVNT	g	2437	Ant1	74.73	1.27	0.72
NVNT	g	2462	Ant1	72.92	1.37	0.71
NVNT	g	2412	Ant2	79.55	0.99	0.71
NVNT	g	2437	Ant2	72.54	1.39	0.71
NVNT	g	2462	Ant2	72.02	1.43	0.72
NVNT	n(HT20)	2412	Sum	73.6	1.33	0.76
NVNT	n(HT20)	2437	Sum	78.31	1.06	0.77
NVNT	n(HT20)	2462	Sum	71.82	1.44	0.77
NVNT	n(HT40)	2422	Sum	55.08	2.59	1.54
NVNT	n(HT40)	2437	Sum	55.17	2.58	1.56
NVNT	n(HT40)	2452	Sum	55.65	2.55	1.56

Test Graphs

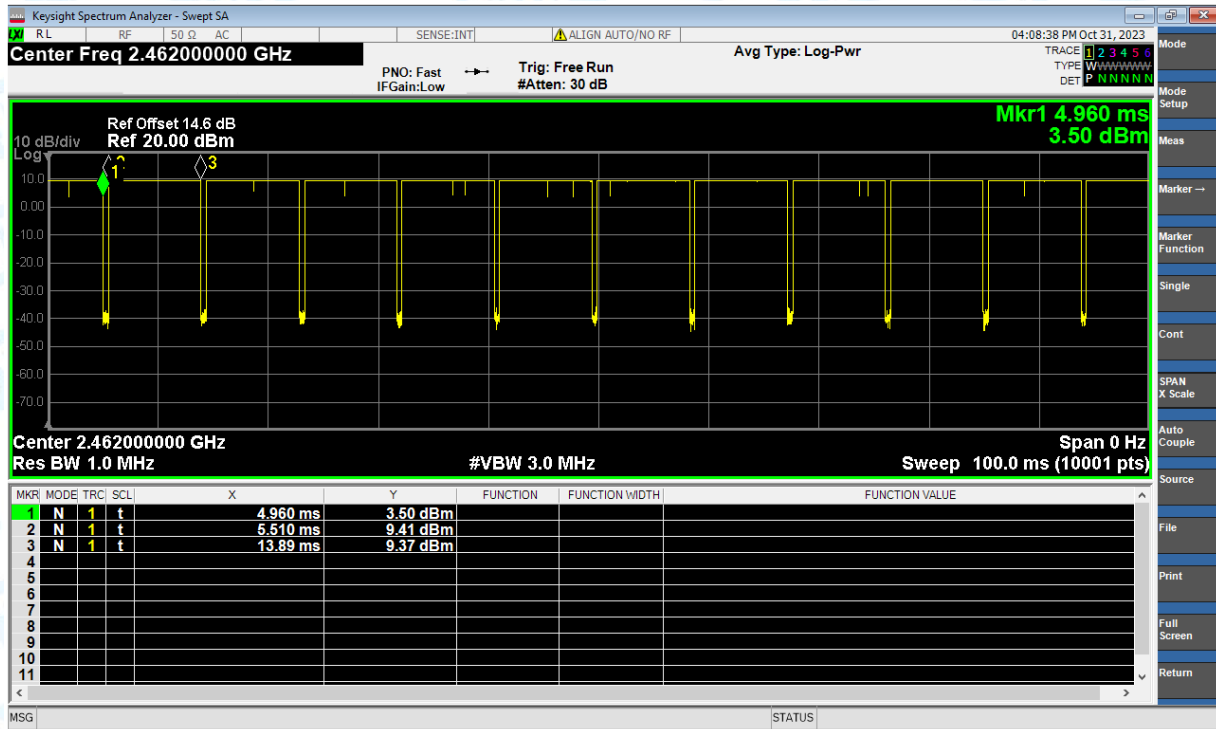
Duty Cycle NVNT b 2412MHz Ant1



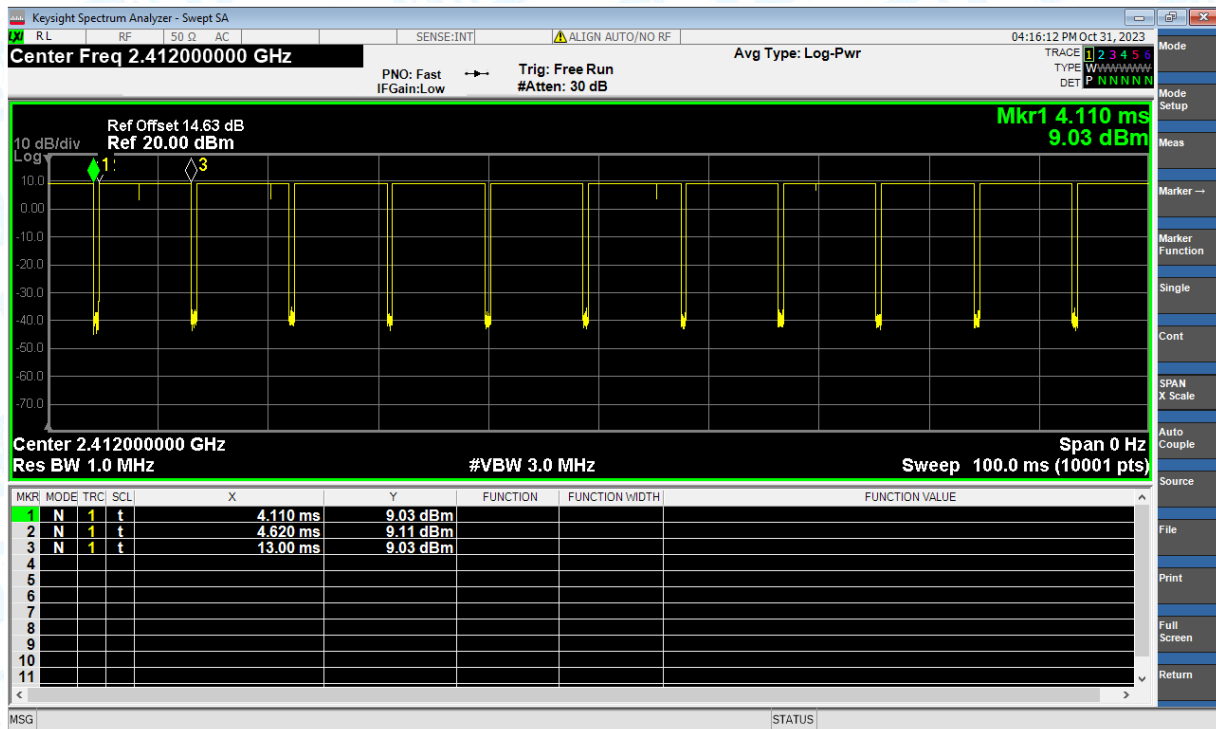
Duty Cycle NVNT b 2437MHz Ant1



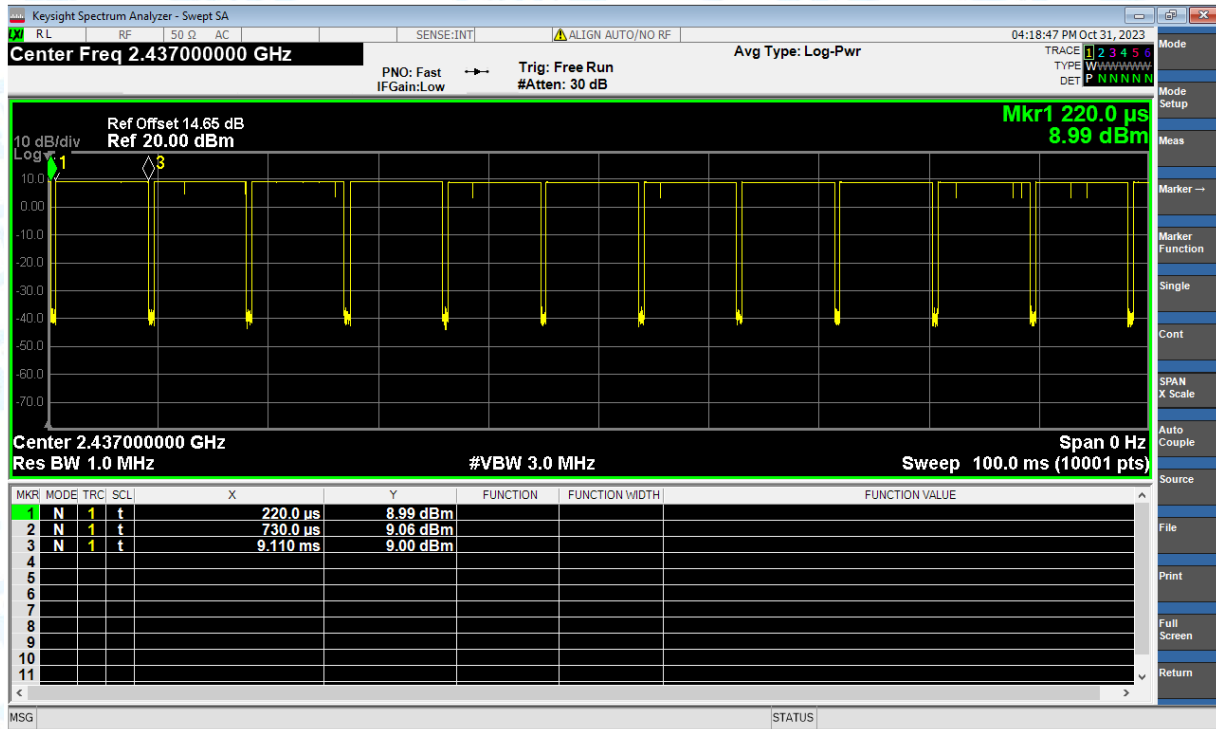
Duty Cycle NVNT b 2462MHz Ant1



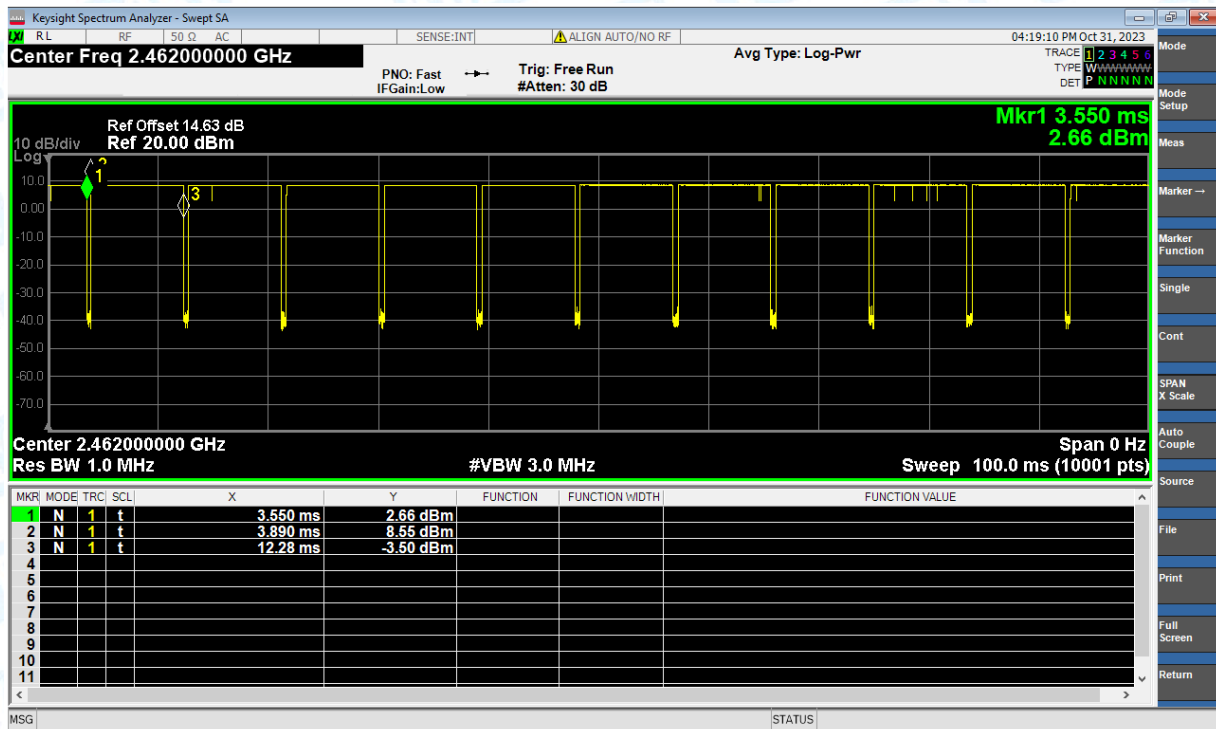
Duty Cycle NVNT b 2412MHz Ant2



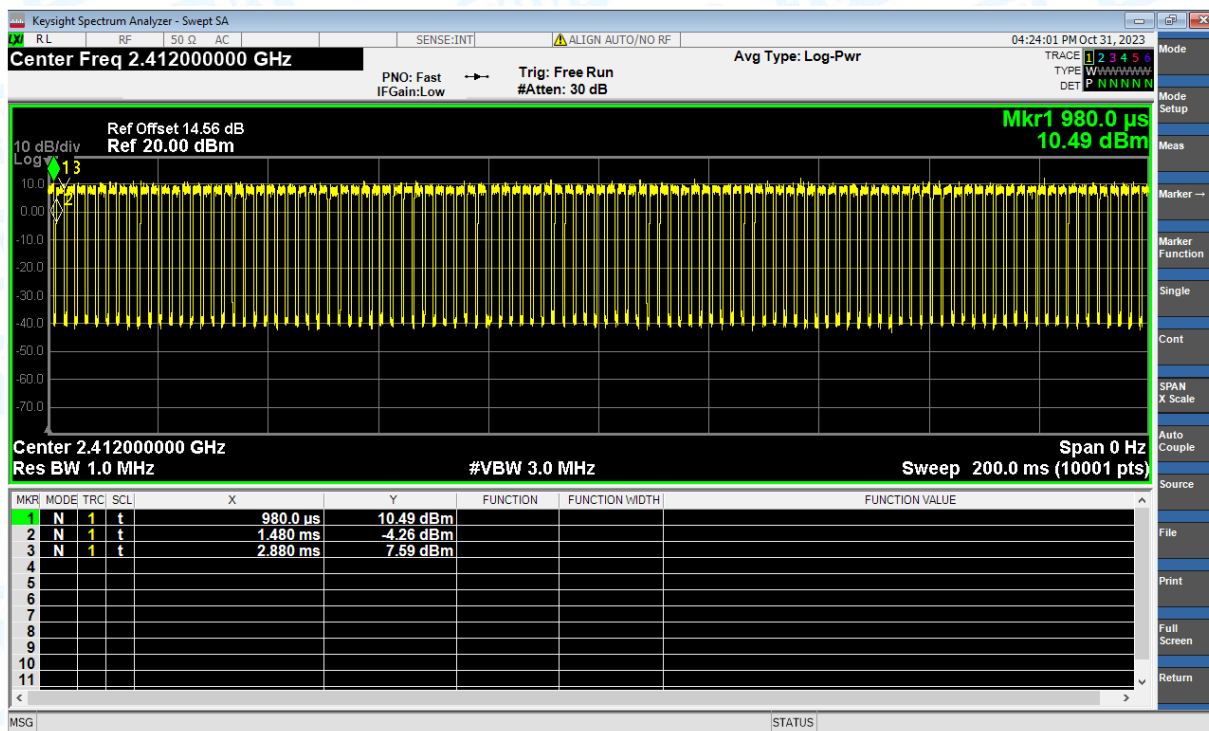
Duty Cycle NVNT b 2437MHz Ant2



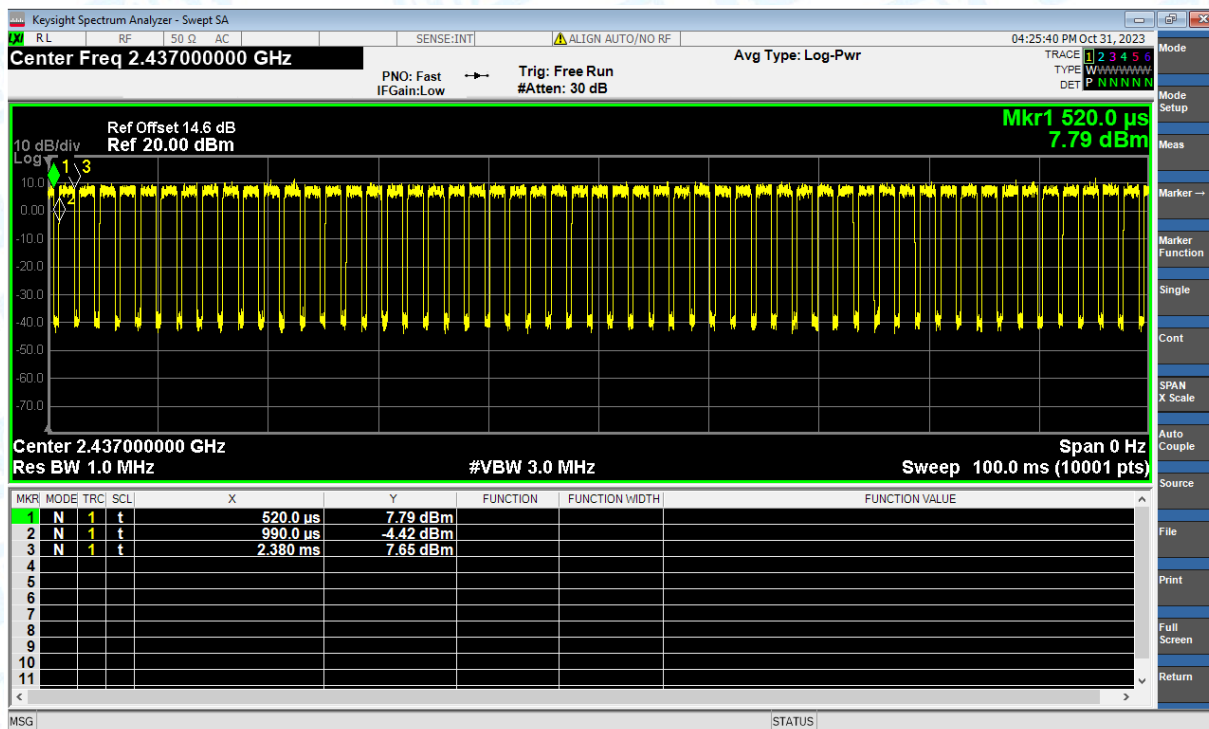
Duty Cycle NVNT b 2462MHz Ant2



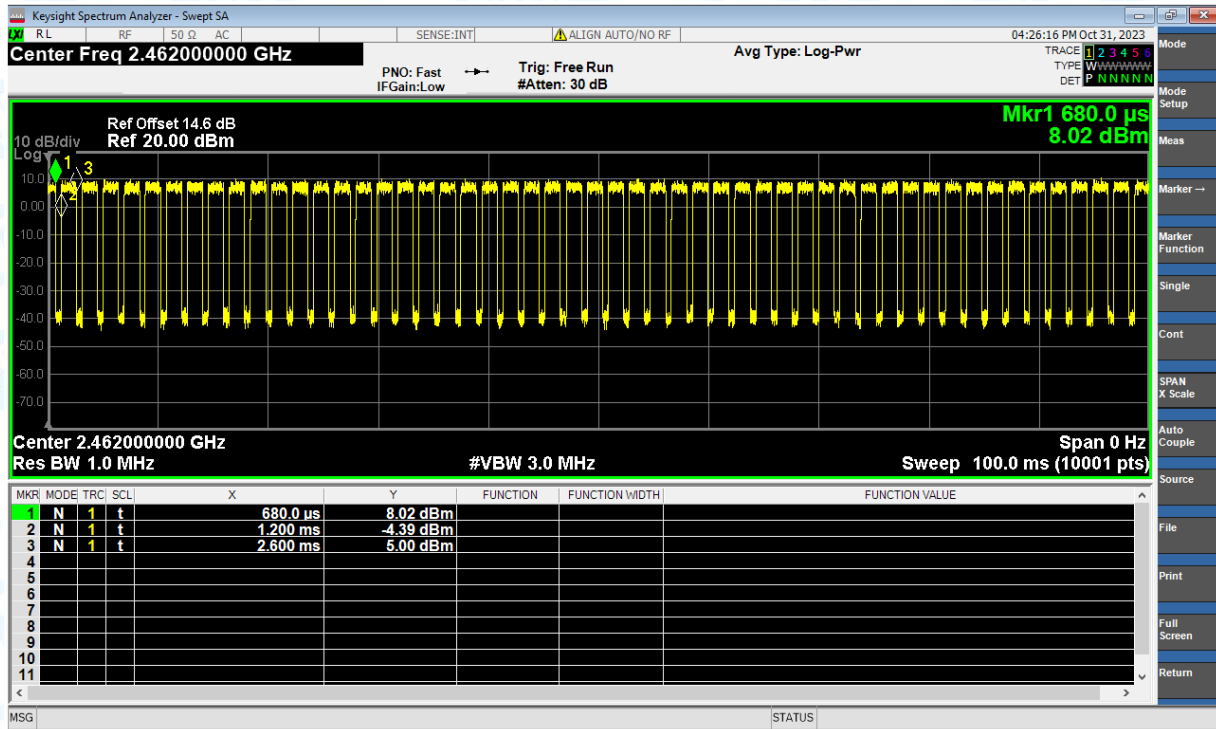
Duty Cycle NVNT g 2412MHz Ant1



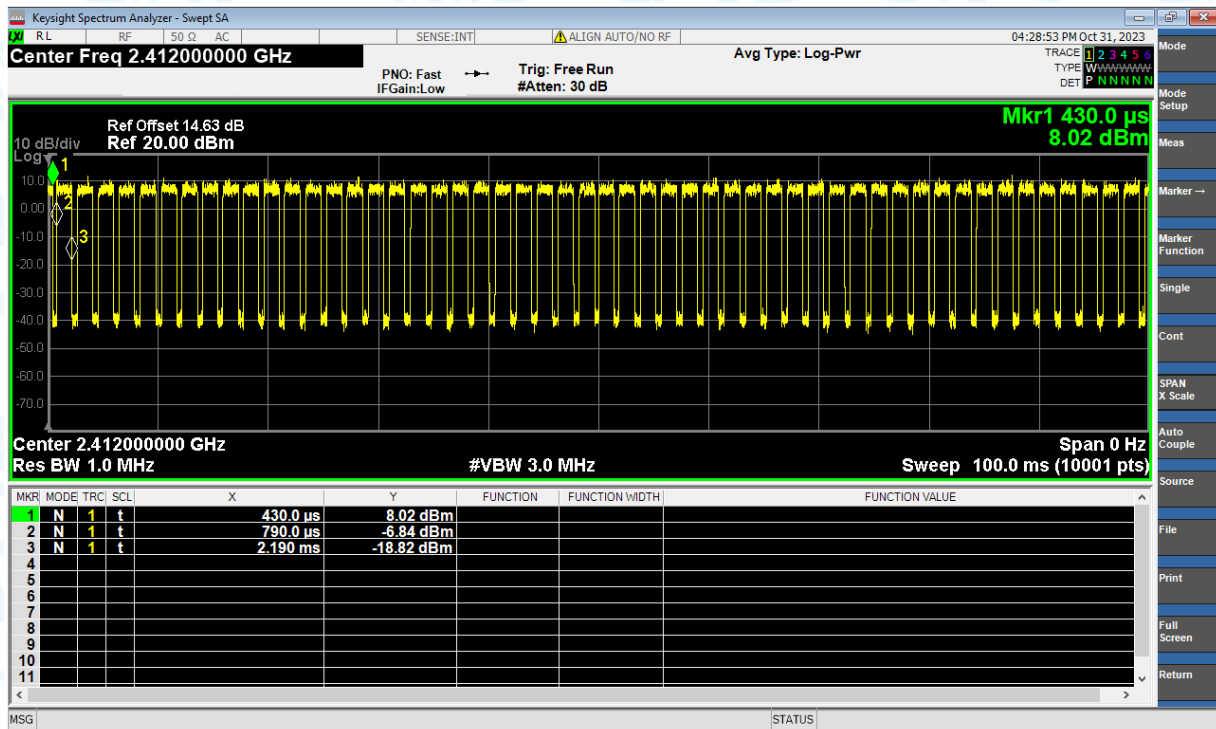
Duty Cycle NVNT g 2437MHz Ant1



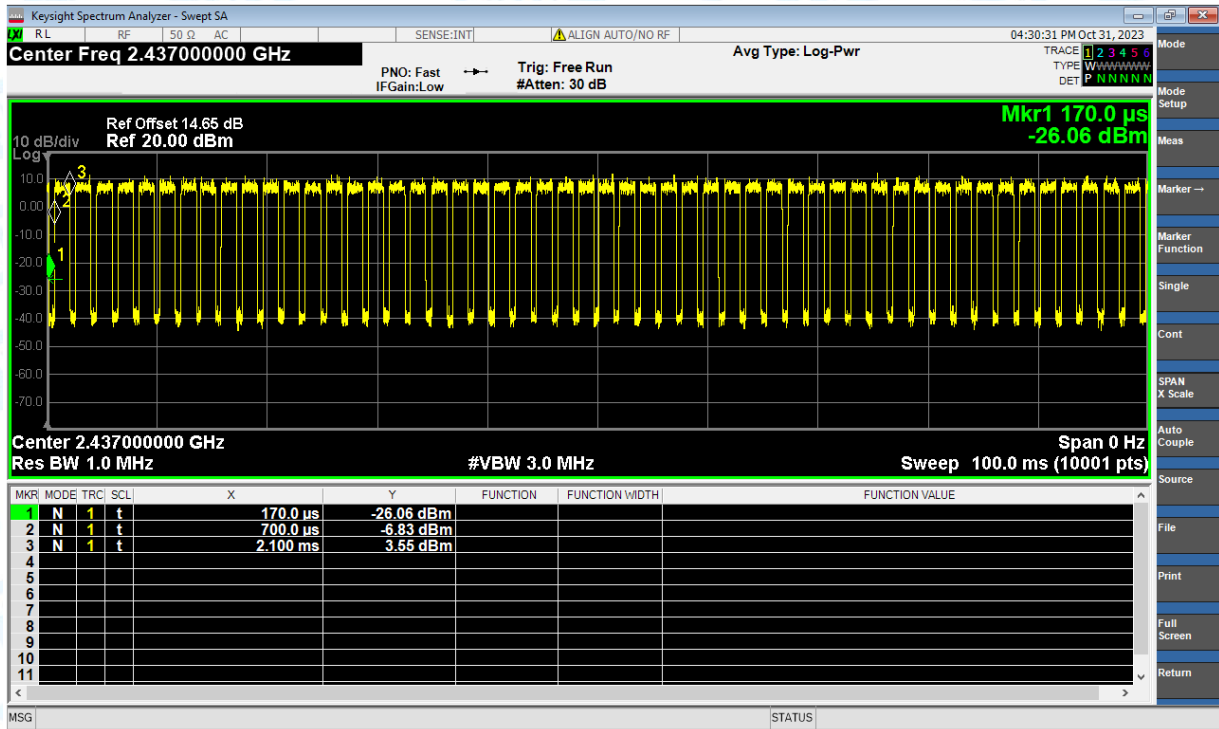
Duty Cycle NVNT g 2462MHz Ant1



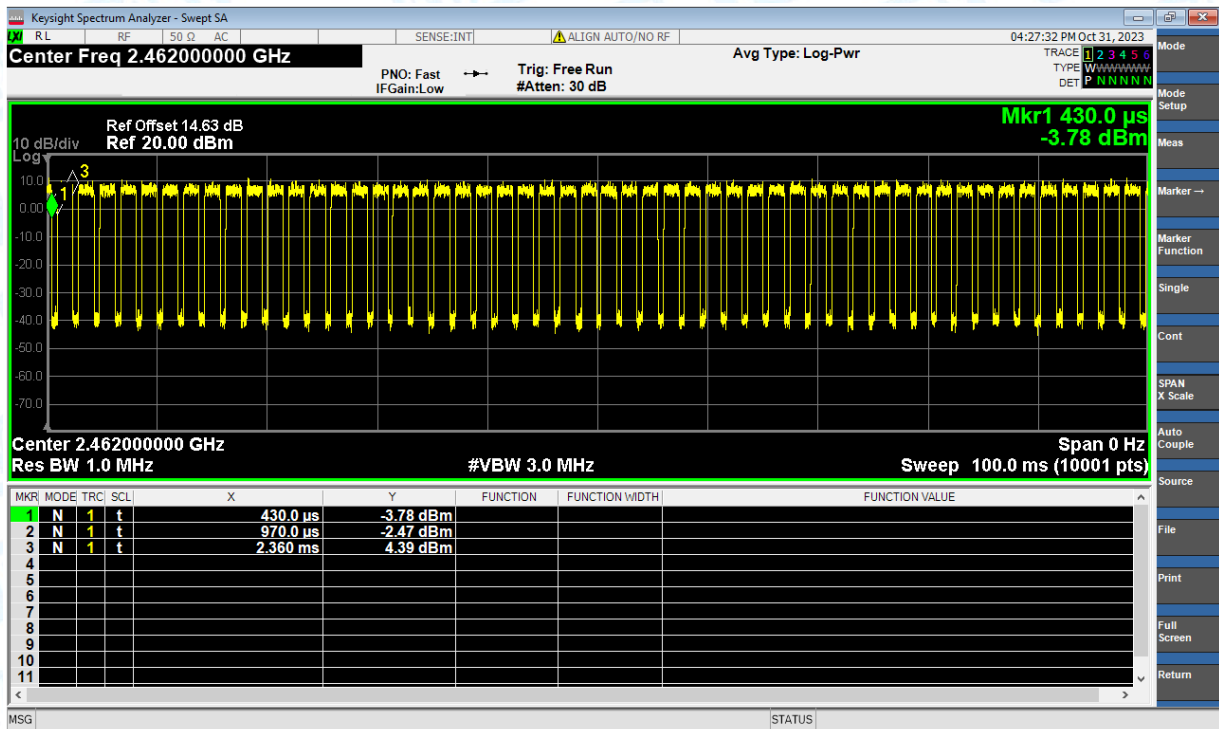
Duty Cycle NVNT g 2412MHz Ant2



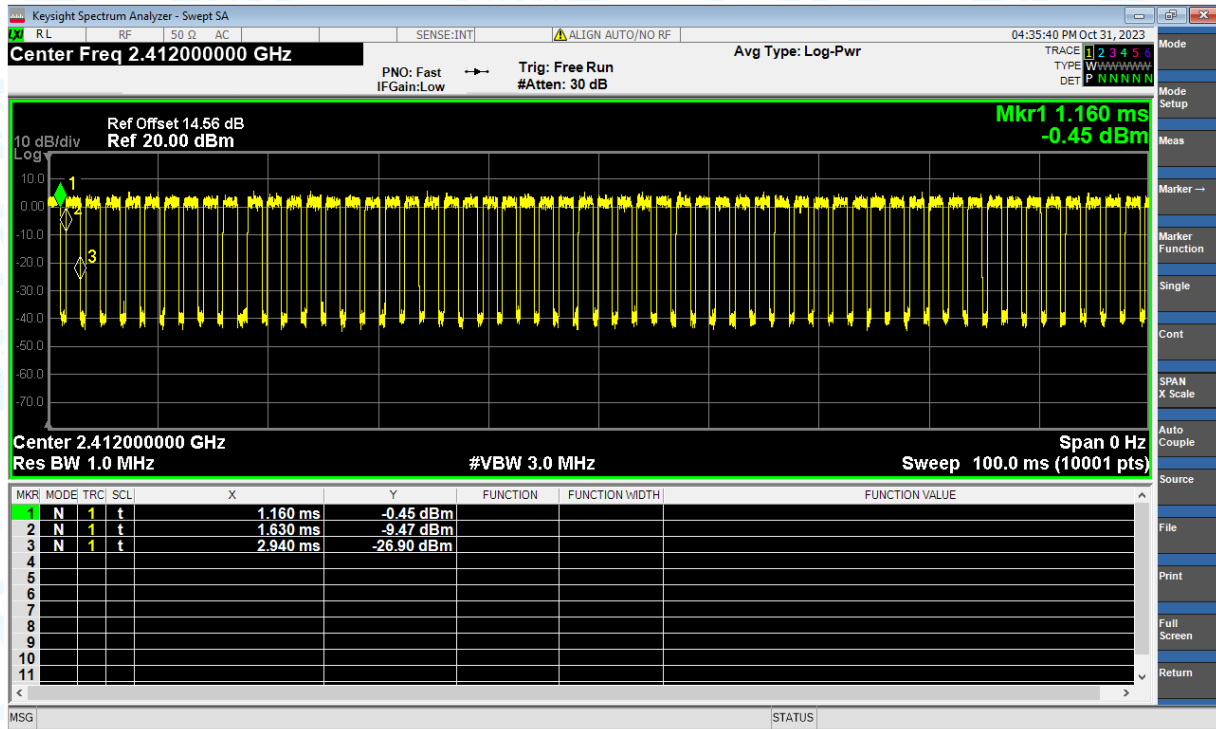
Duty Cycle NVNT g 2437MHz Ant2



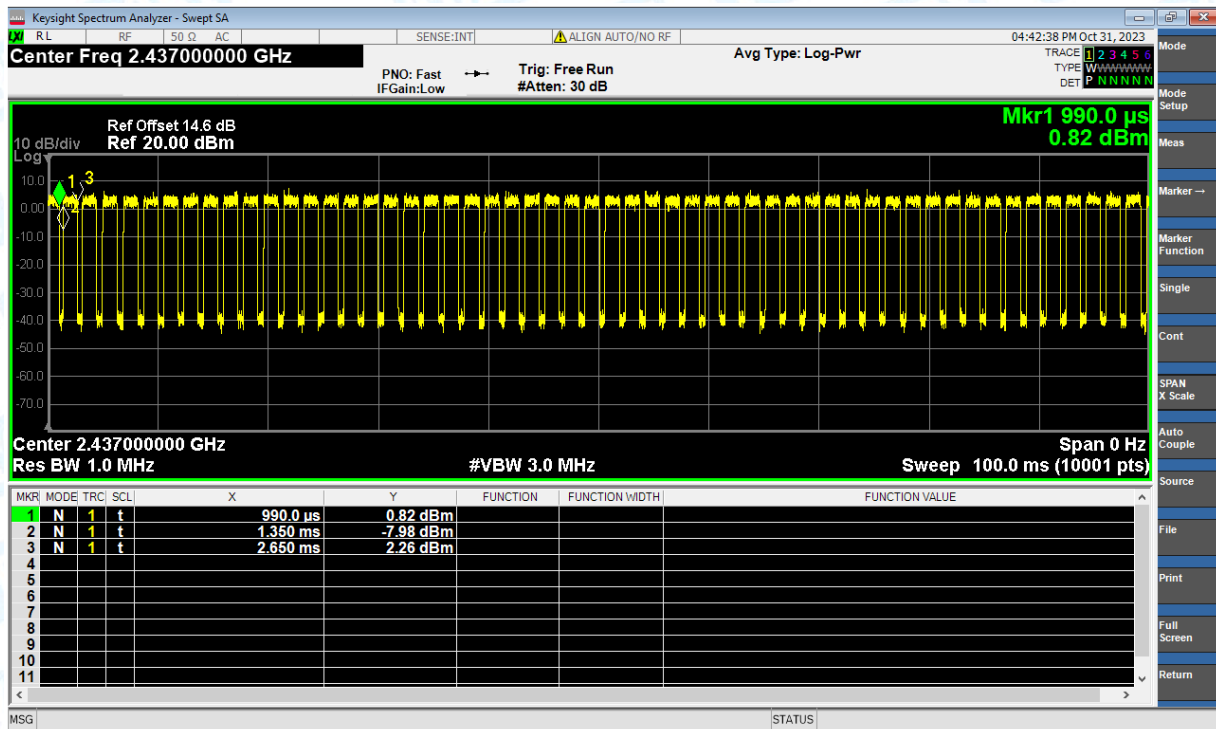
Duty Cycle NVNT g 2462MHz Ant2



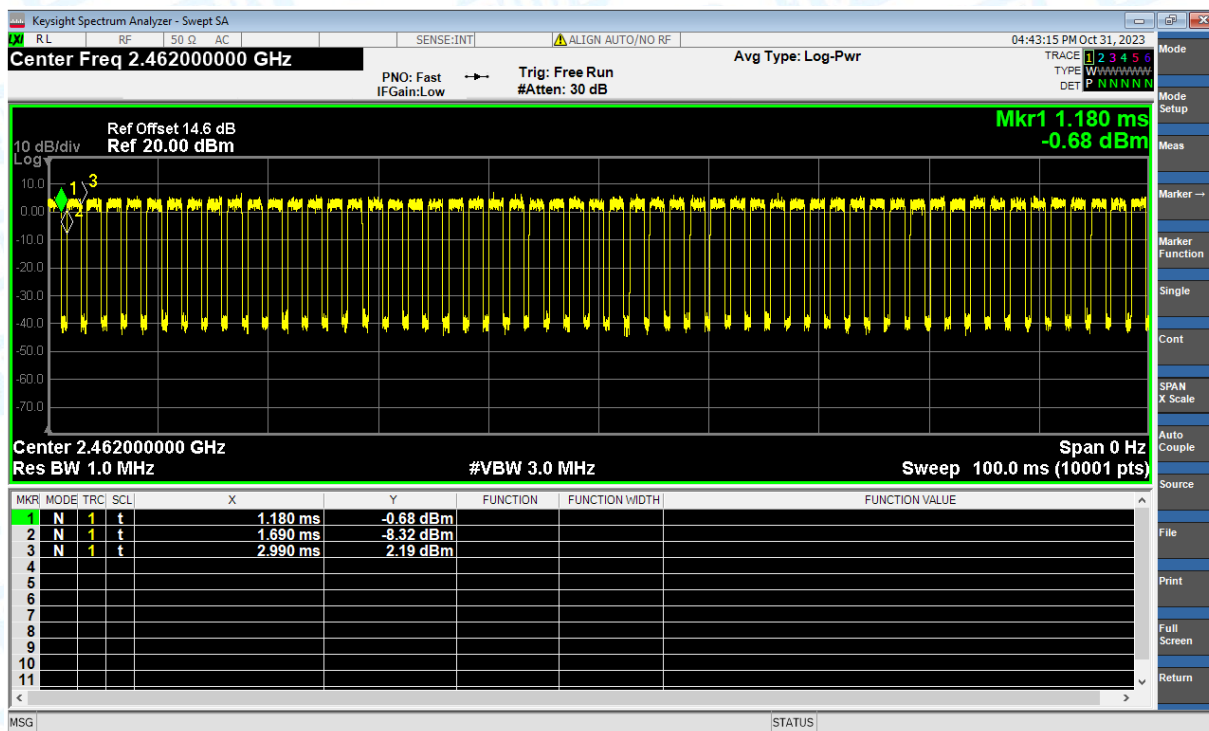
Duty Cycle NVNT n(HT20) 2412MHz Sum



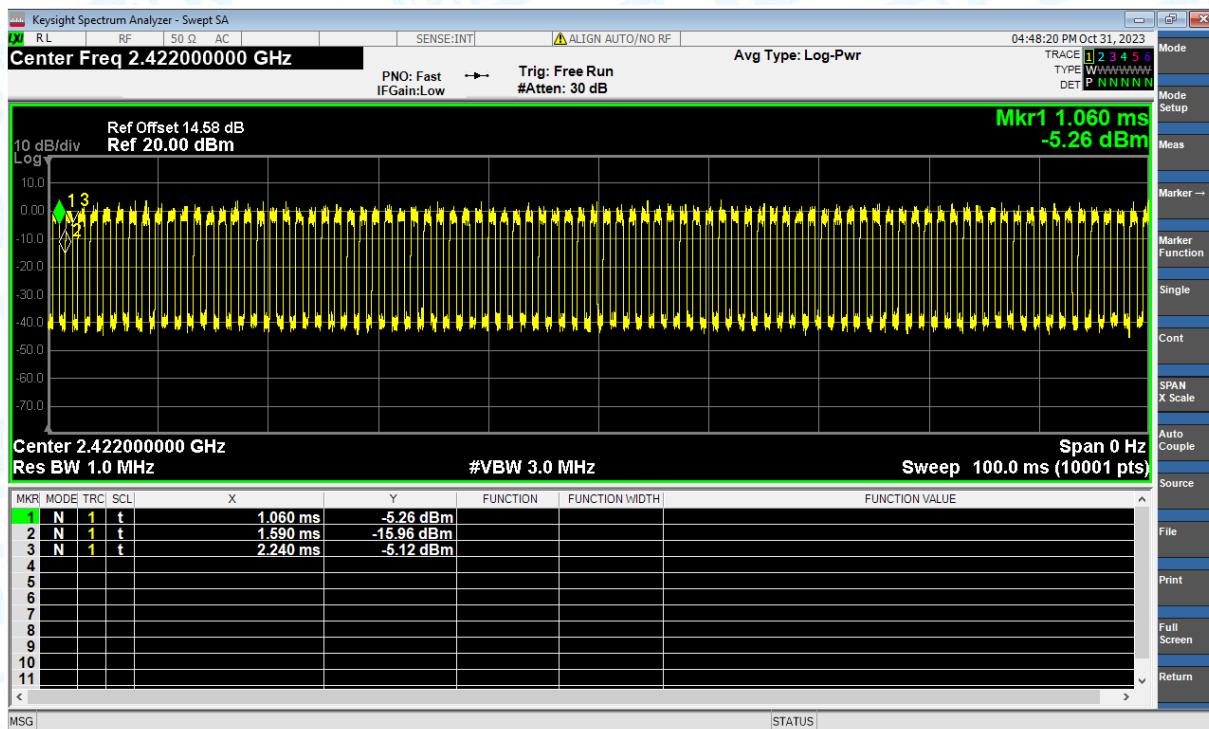
Duty Cycle NVNT n(HT20) 2437MHz Sum



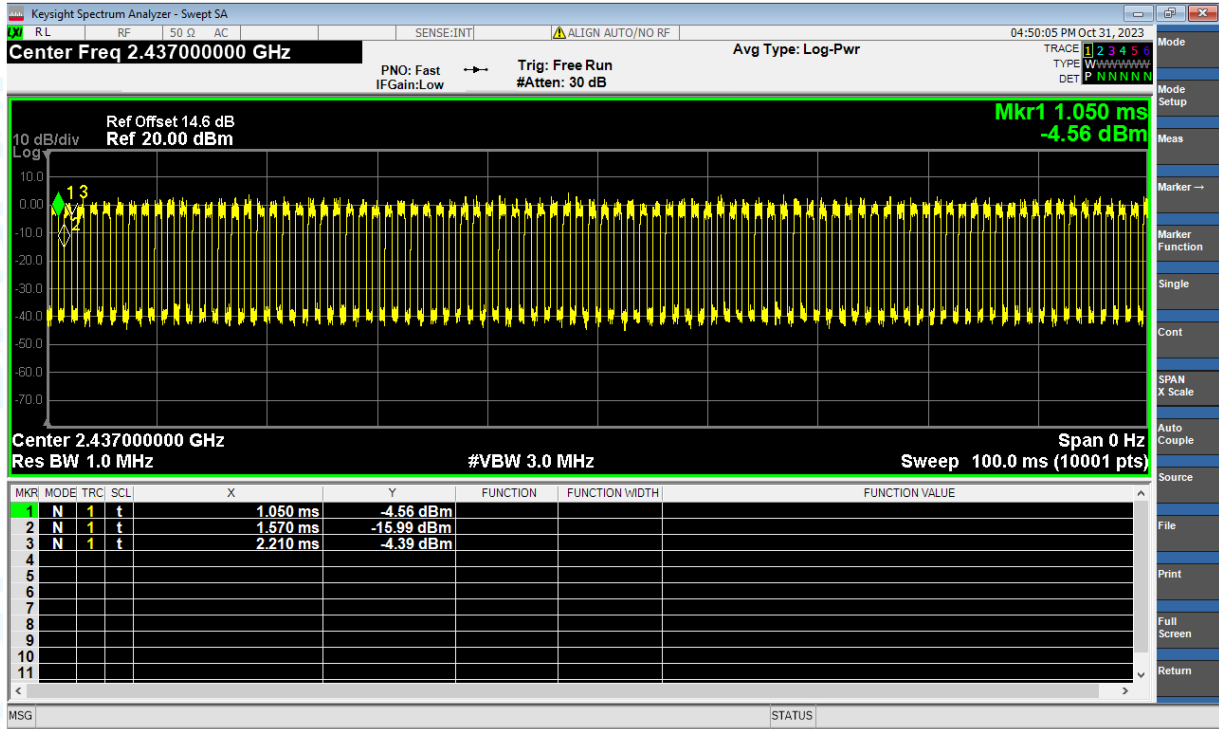
Duty Cycle NVNT n(HT20) 2462MHz Sum



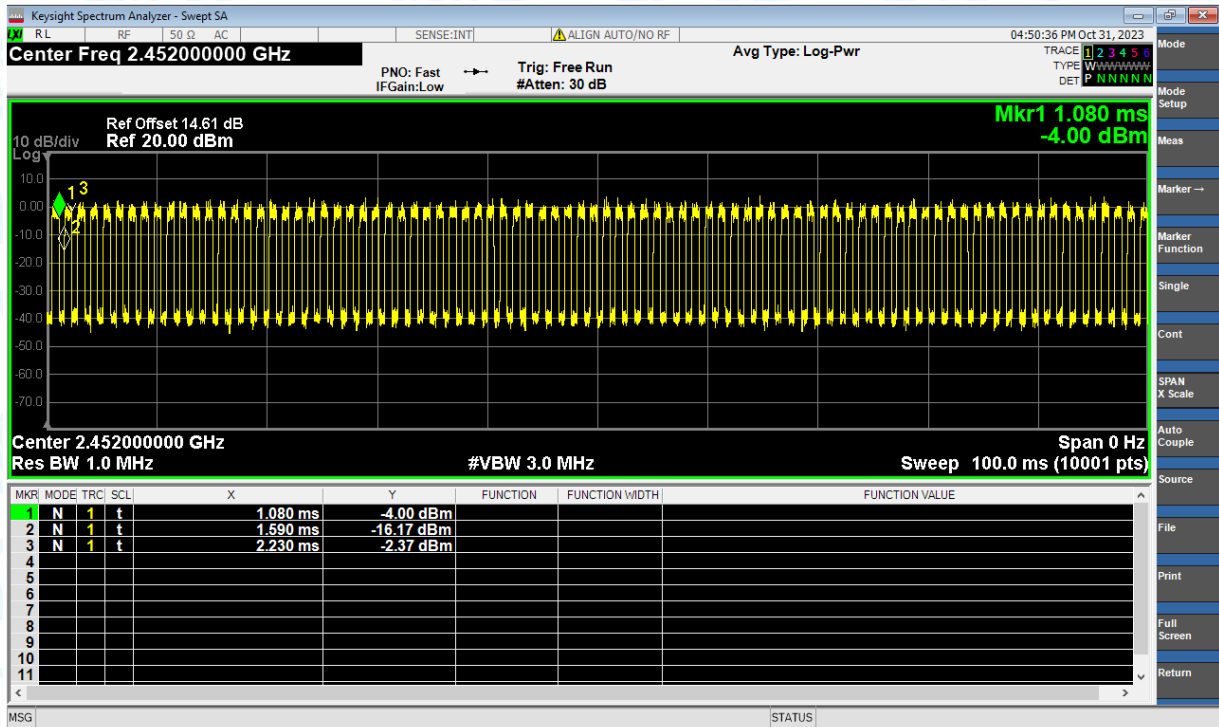
Duty Cycle NVNT n(HT40) 2422MHz Sum



Duty Cycle NVNT n(HT40) 2437MHz Sum



Duty Cycle NVNT n(HT40) 2452MHz Sum



Maximum Conducted Output Power

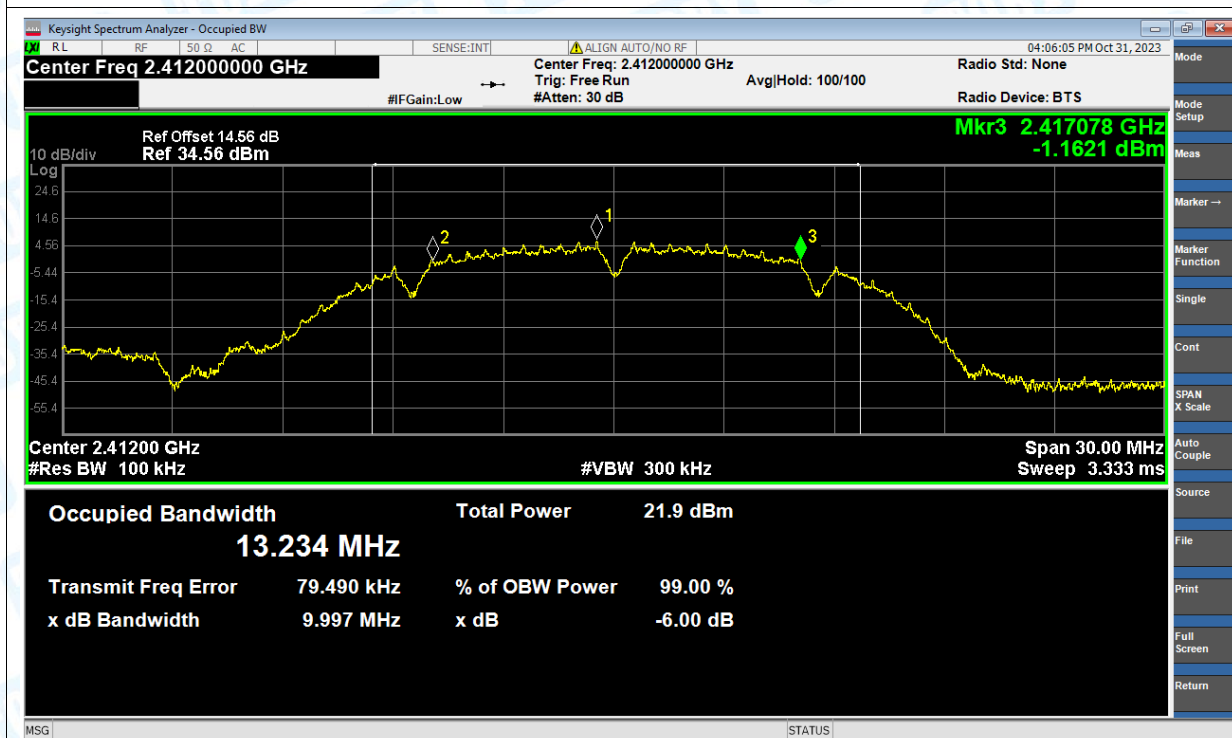
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.79	30	Pass
NVNT	b	2437	Ant1	14.72	30	Pass
NVNT	b	2462	Ant1	14.81	30	Pass
NVNT	b	2412	Ant2	14.8	30	Pass
NVNT	b	2437	Ant2	13.91	30	Pass
NVNT	b	2462	Ant2	14.33	30	Pass
NVNT	g	2412	Ant1	14.18	30	Pass
NVNT	g	2437	Ant1	13.52	30	Pass
NVNT	g	2462	Ant1	13.67	30	Pass
NVNT	g	2412	Ant2	13.79	30	Pass
NVNT	g	2437	Ant2	12.45	30	Pass
NVNT	g	2462	Ant2	13.03	30	Pass
NVNT	n(HT20)	2412	Ant1	8.78	30	Pass
NVNT	n(HT20)	2412	Ant2	10.08	30	Pass
NVNT	n(HT20)	2412	Sum	12.489	30	Pass
NVNT	n(HT20)	2437	Ant1	10.7	30	Pass
NVNT	n(HT20)	2437	Ant2	11.02	30	Pass
NVNT	n(HT20)	2437	Sum	13.873	30	Pass
NVNT	n(HT20)	2462	Ant1	11.18	30	Pass
NVNT	n(HT20)	2462	Ant2	11.37	30	Pass
NVNT	n(HT20)	2462	Sum	14.286	30	Pass
NVNT	n(HT40)	2422	Ant1	6.8	30	Pass
NVNT	n(HT40)	2422	Ant2	8.65	30	Pass
NVNT	n(HT40)	2422	Sum	10.833	30	Pass
NVNT	n(HT40)	2437	Ant1	10.11	30	Pass
NVNT	n(HT40)	2437	Ant2	10.61	30	Pass
NVNT	n(HT40)	2437	Sum	13.377	30	Pass
NVNT	n(HT40)	2452	Ant1	7.24	30	Pass
NVNT	n(HT40)	2452	Ant2	9.68	30	Pass
NVNT	n(HT40)	2452	Sum	11.639	30	Pass
The Duty Cycle Factor is compensated in the graph.						

-6dB Bandwidth

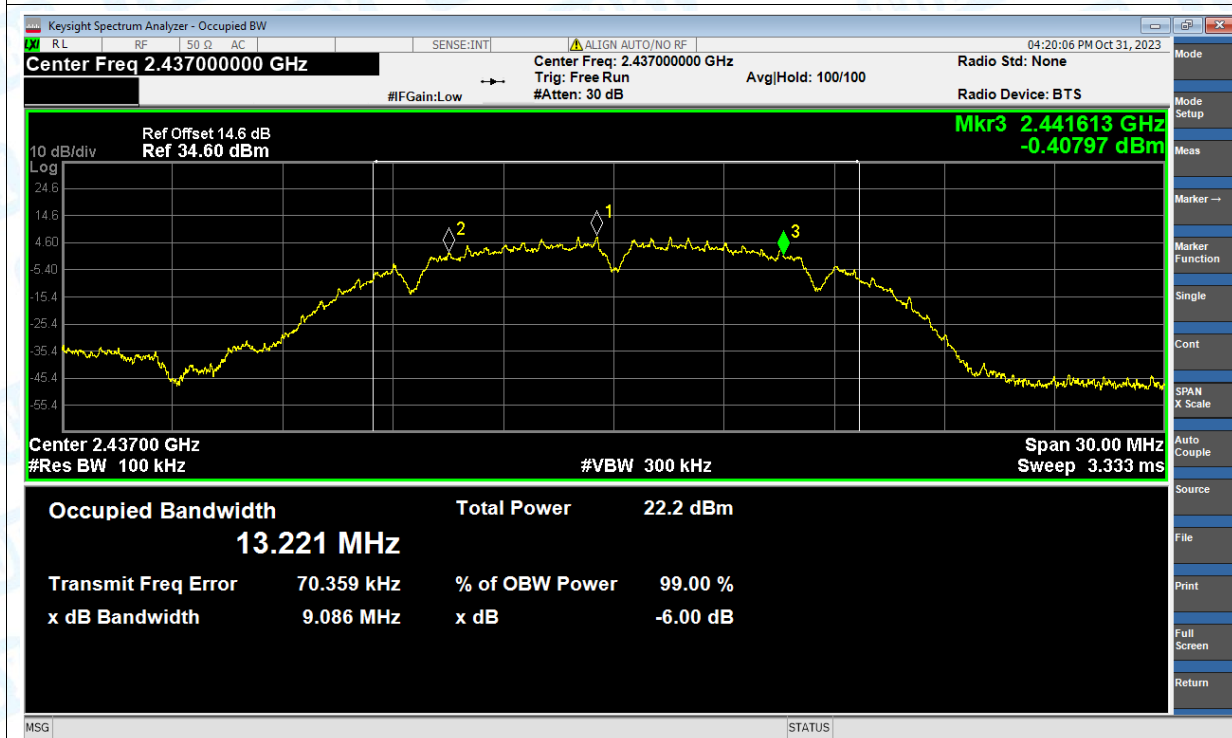
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10	0.5	Pass
NVNT	b	2437	Ant1	9.09	0.5	Pass
NVNT	b	2462	Ant1	9.09	0.5	Pass
NVNT	b	2412	Ant2	9.08	0.5	Pass
NVNT	b	2437	Ant2	9.55	0.5	Pass
NVNT	b	2462	Ant2	9.59	0.5	Pass
NVNT	g	2412	Ant1	13.8	0.5	Pass
NVNT	g	2437	Ant1	15.12	0.5	Pass
NVNT	g	2462	Ant1	14.44	0.5	Pass
NVNT	g	2412	Ant2	14.38	0.5	Pass
NVNT	g	2437	Ant2	15.04	0.5	Pass
NVNT	g	2462	Ant2	15.09	0.5	Pass
NVNT	n(HT20)	2412	Ant1	15.14	0.5	Pass
NVNT	n(HT20)	2412	Ant2	13.99	0.5	Pass
NVNT	n(HT20)	2437	Ant1	14.99	0.5	Pass
NVNT	n(HT20)	2437	Ant2	14.04	0.5	Pass
NVNT	n(HT20)	2462	Ant1	15.05	0.5	Pass
NVNT	n(HT20)	2462	Ant2	13.73	0.5	Pass
NVNT	n(HT40)	2422	Ant1	32.59	0.5	Pass
NVNT	n(HT40)	2422	Ant2	33.85	0.5	Pass
NVNT	n(HT40)	2437	Ant1	32.49	0.5	Pass
NVNT	n(HT40)	2437	Ant2	31.36	0.5	Pass
NVNT	n(HT40)	2452	Ant1	33.79	0.5	Pass
NVNT	n(HT40)	2452	Ant2	33.82	0.5	Pass

Test Graphs

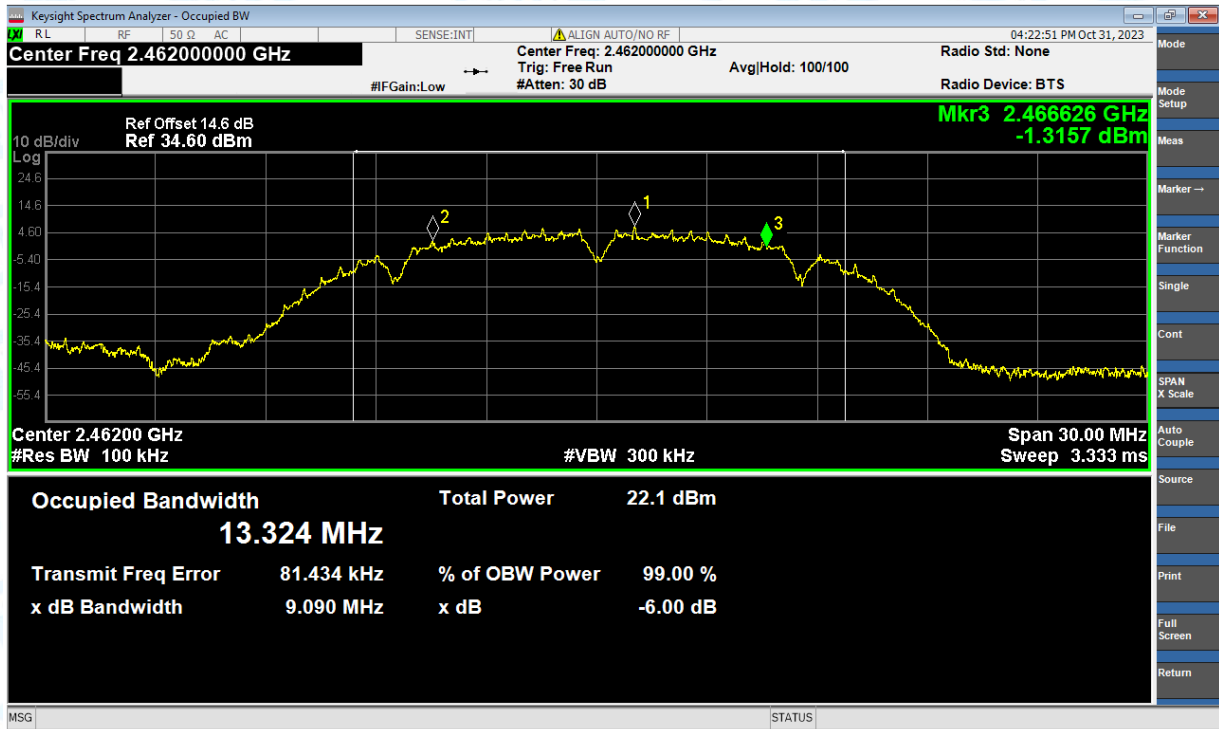
-6dB Bandwidth NVNT b 2412MHz Ant1



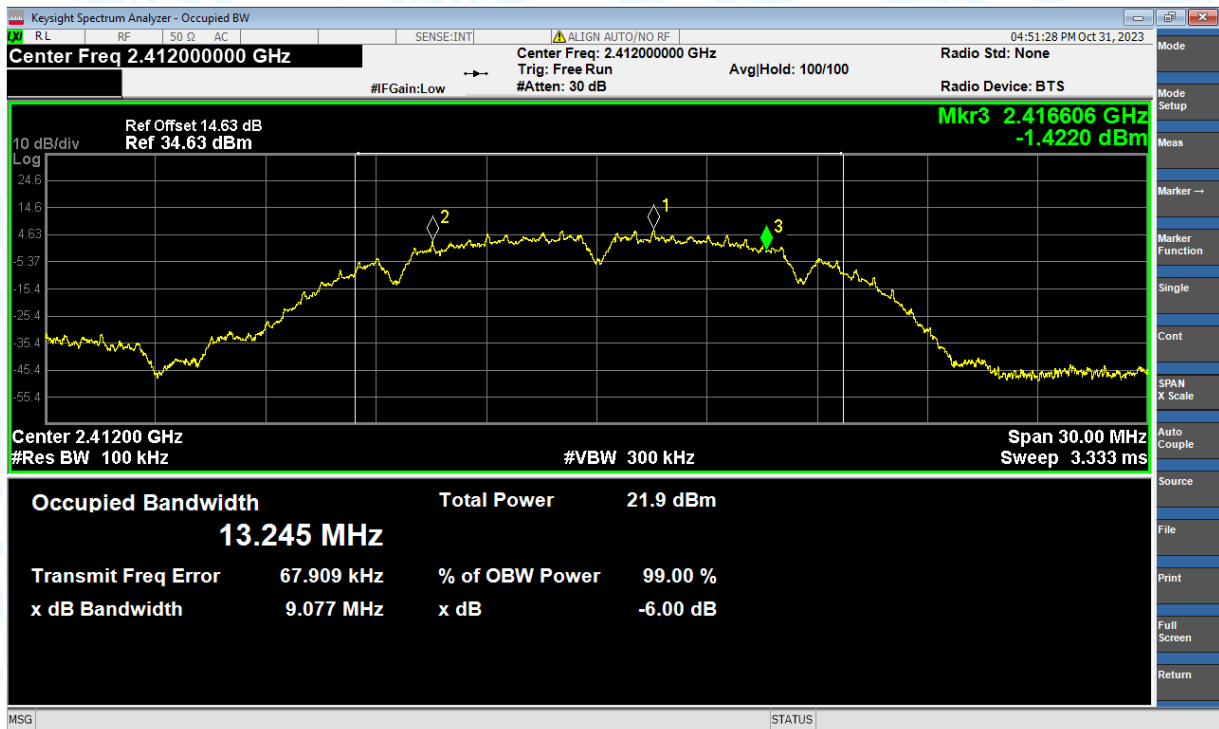
-6dB Bandwidth NVNT b 2437MHz Ant1



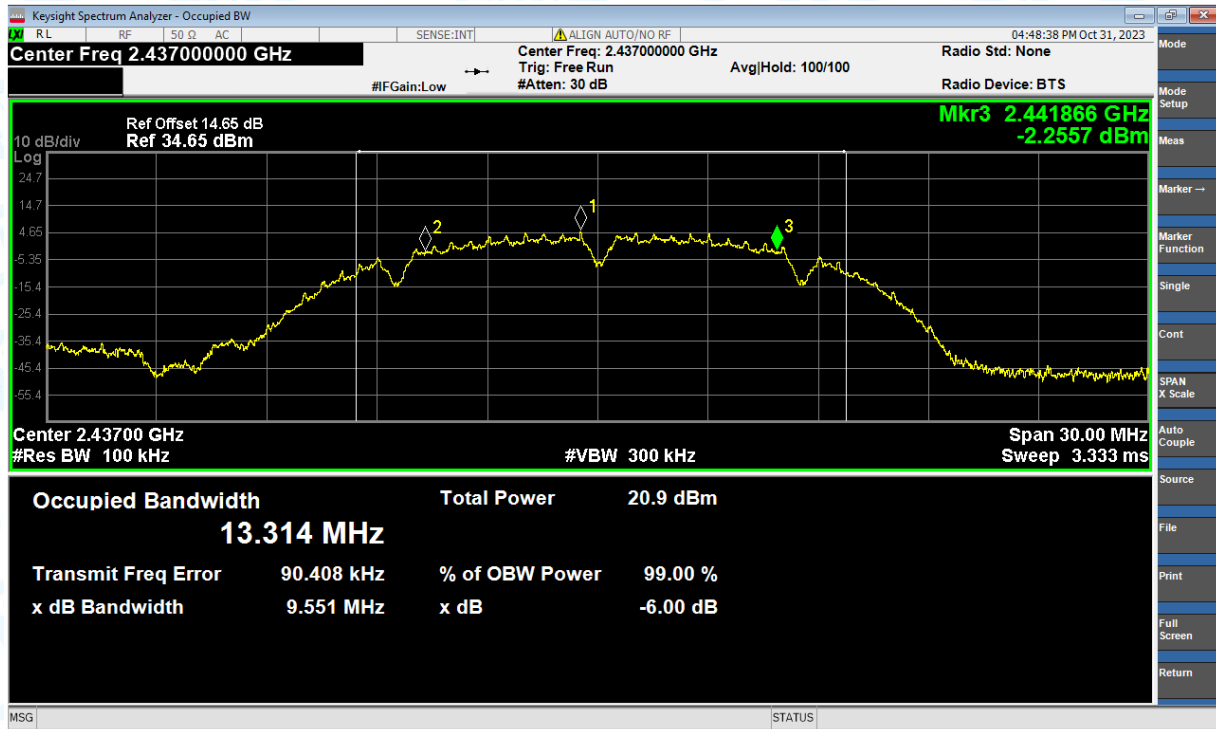
-6dB Bandwidth NVNT b 2462MHz Ant1



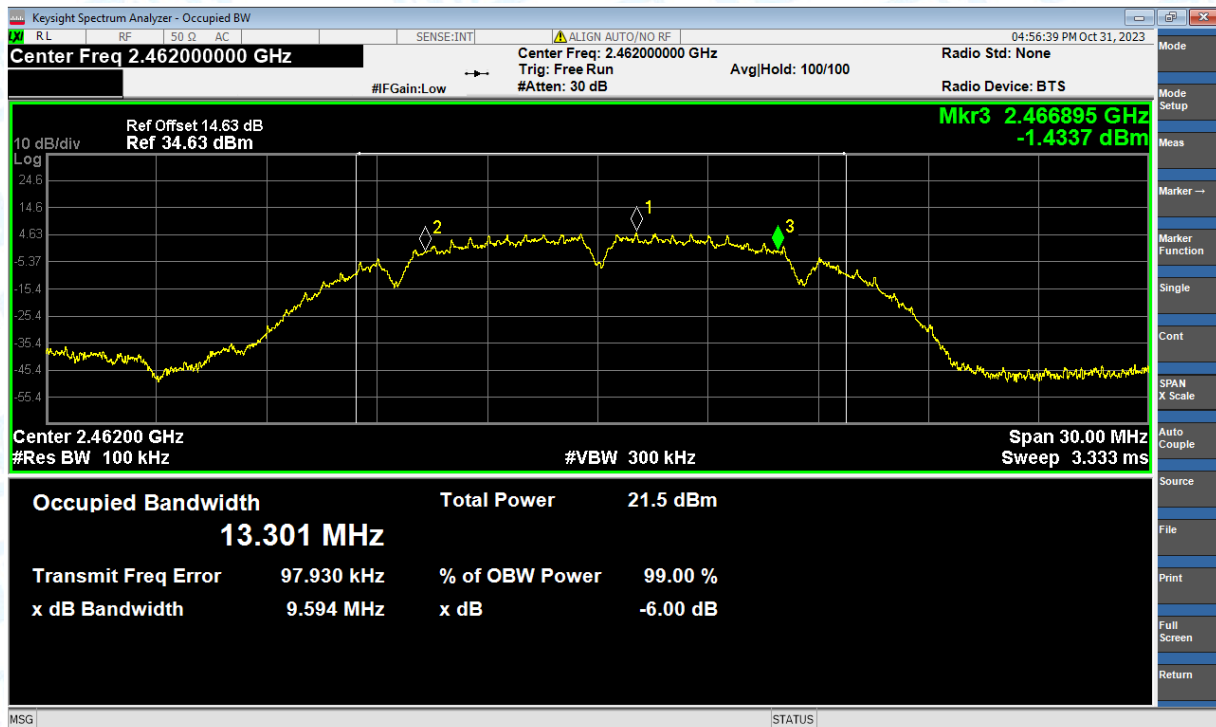
-6dB Bandwidth NVNT b 2412MHz Ant2



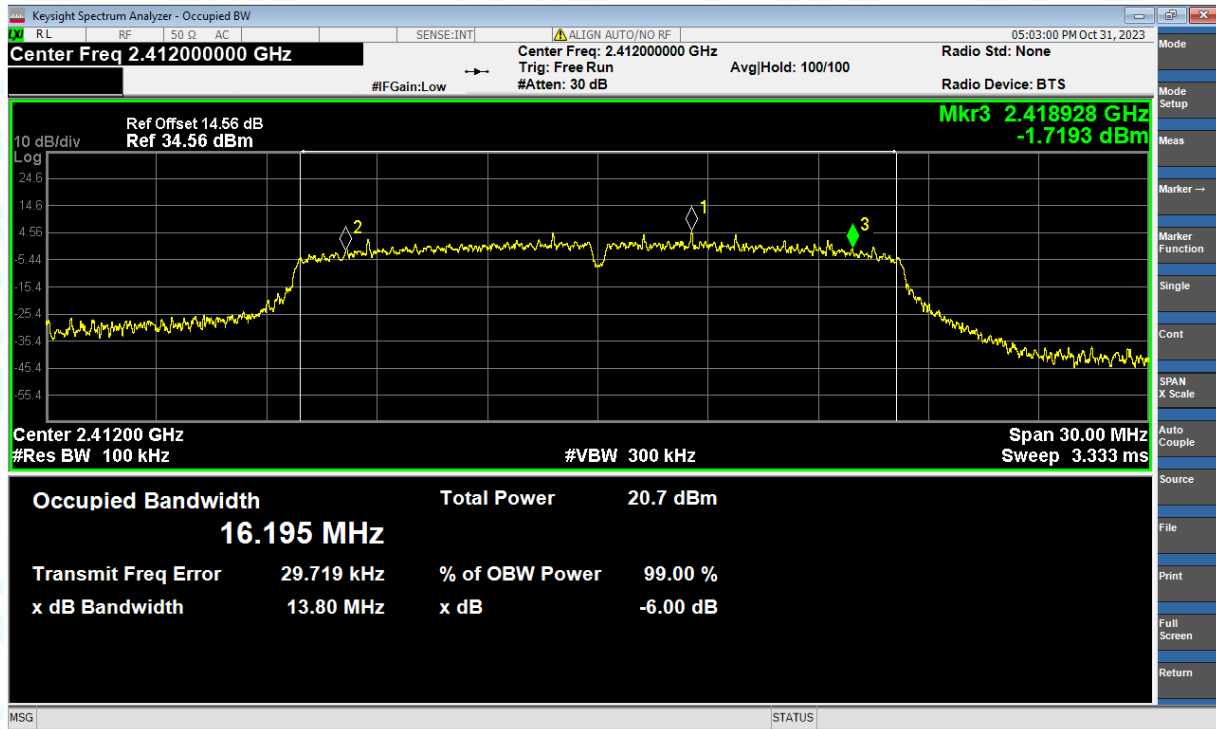
-6dB Bandwidth NVNT b 2437MHz Ant2



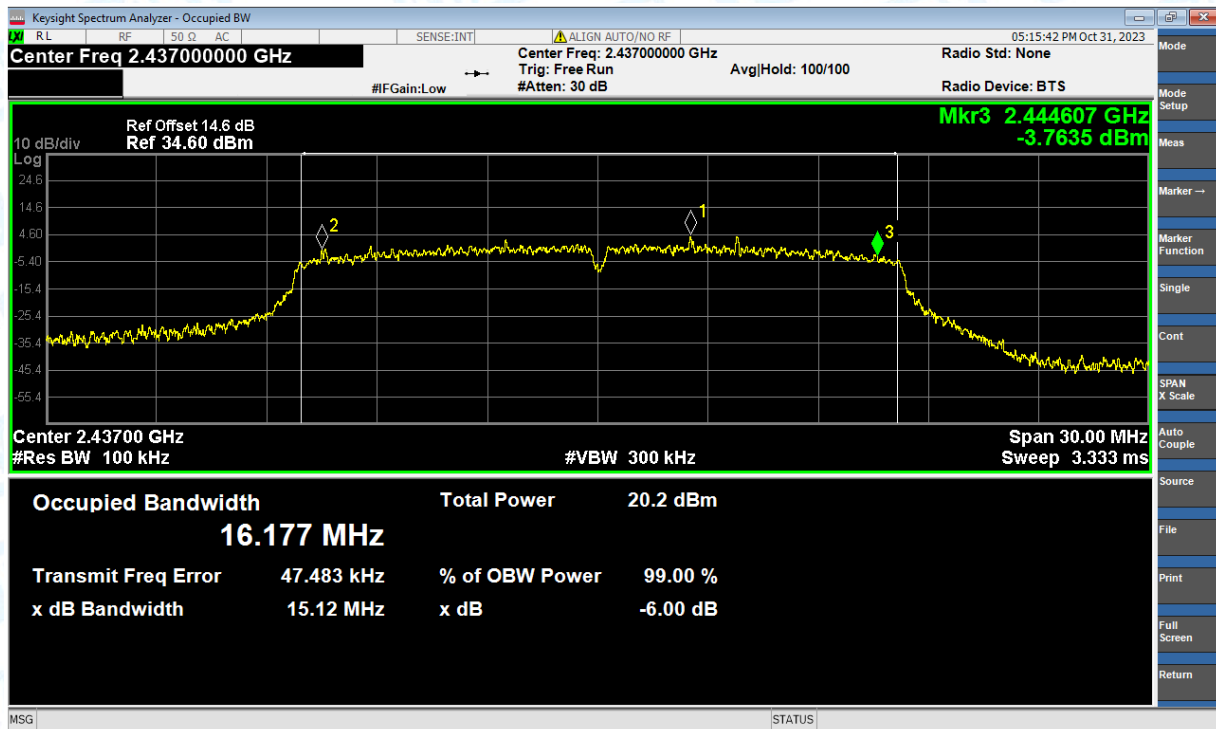
-6dB Bandwidth NVNT b 2462MHz Ant2



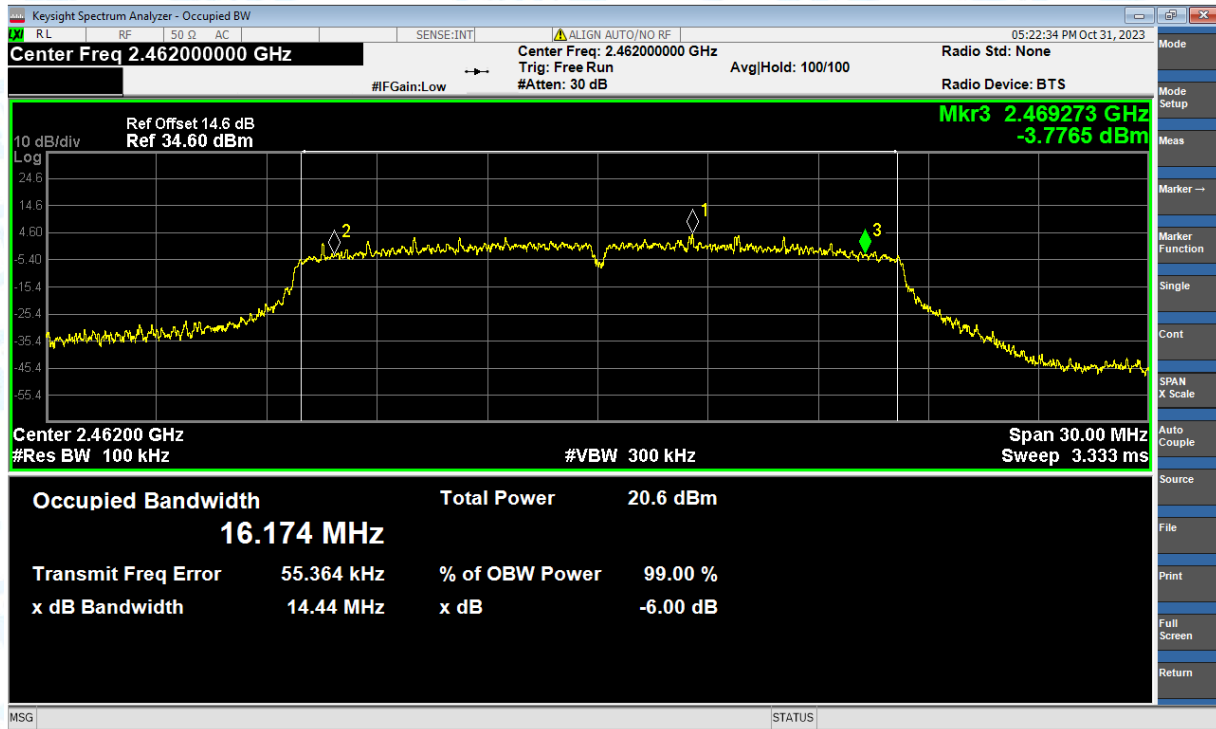
-6dB Bandwidth NVNT g 2412MHz Ant1



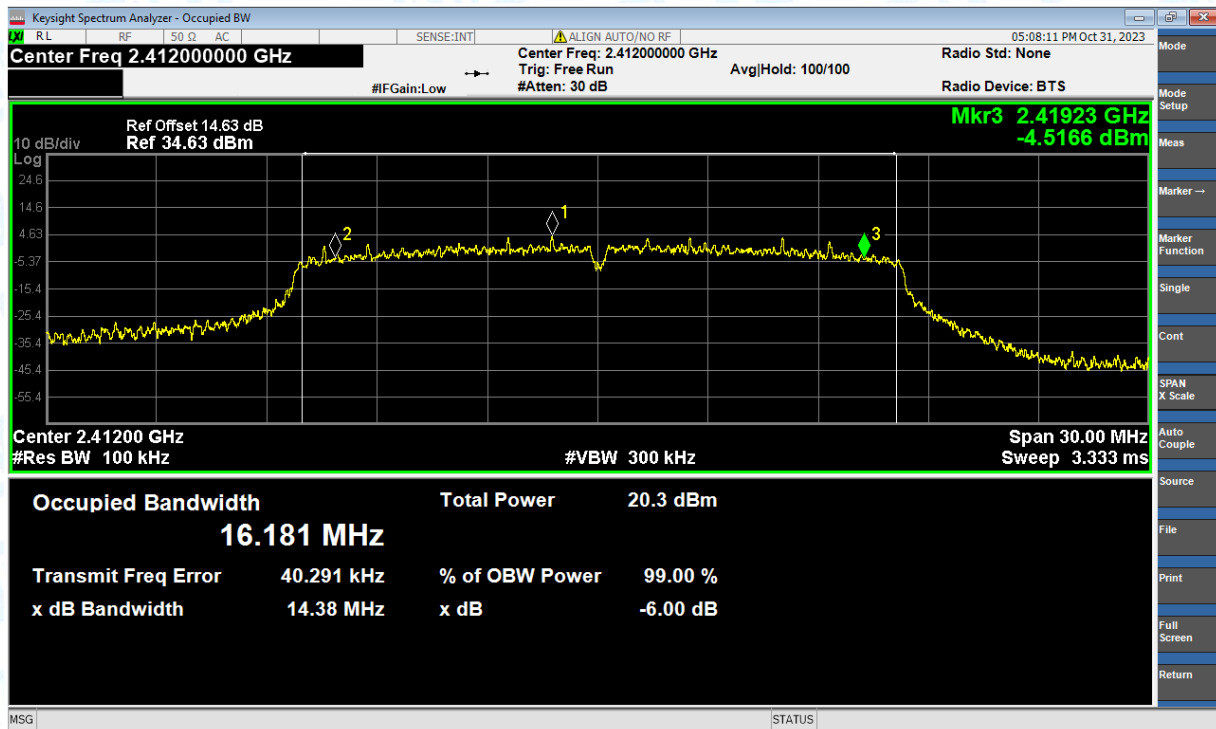
-6dB Bandwidth NVNT g 2437MHz Ant1



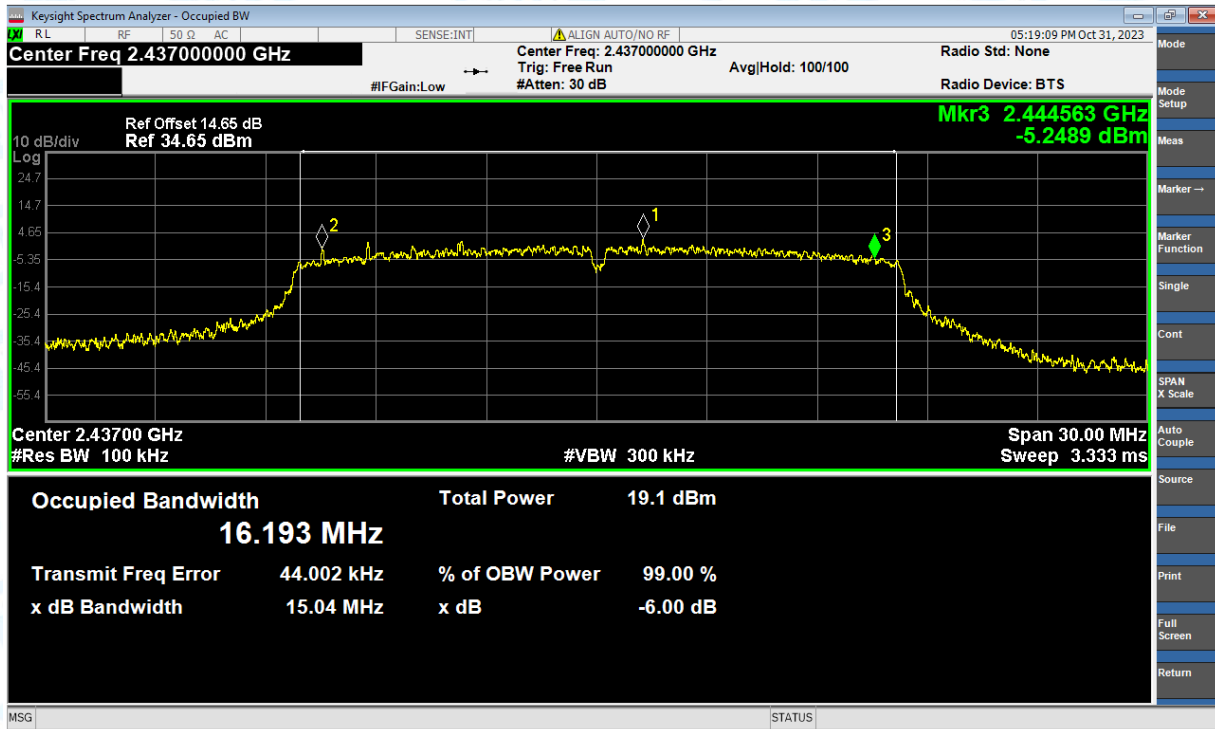
-6dB Bandwidth NVNT g 2462MHz Ant1



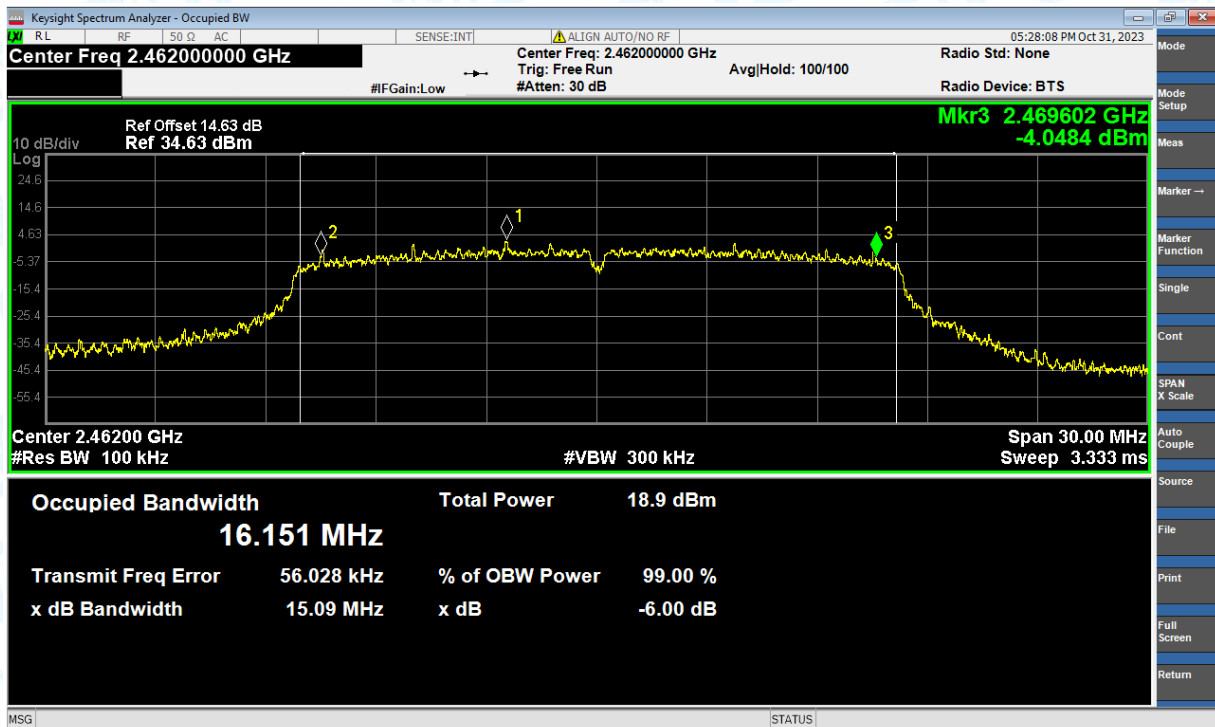
-6dB Bandwidth NVNT g 2412MHz Ant2



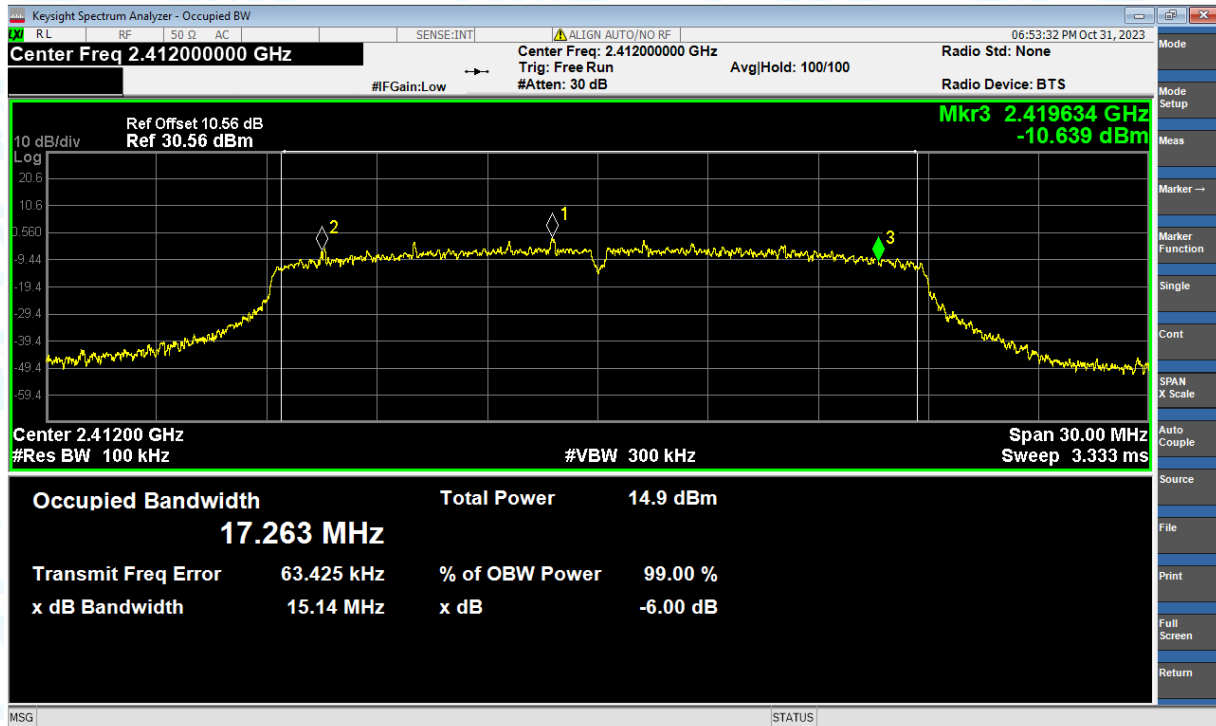
-6dB Bandwidth NVNT g 2437MHz Ant2



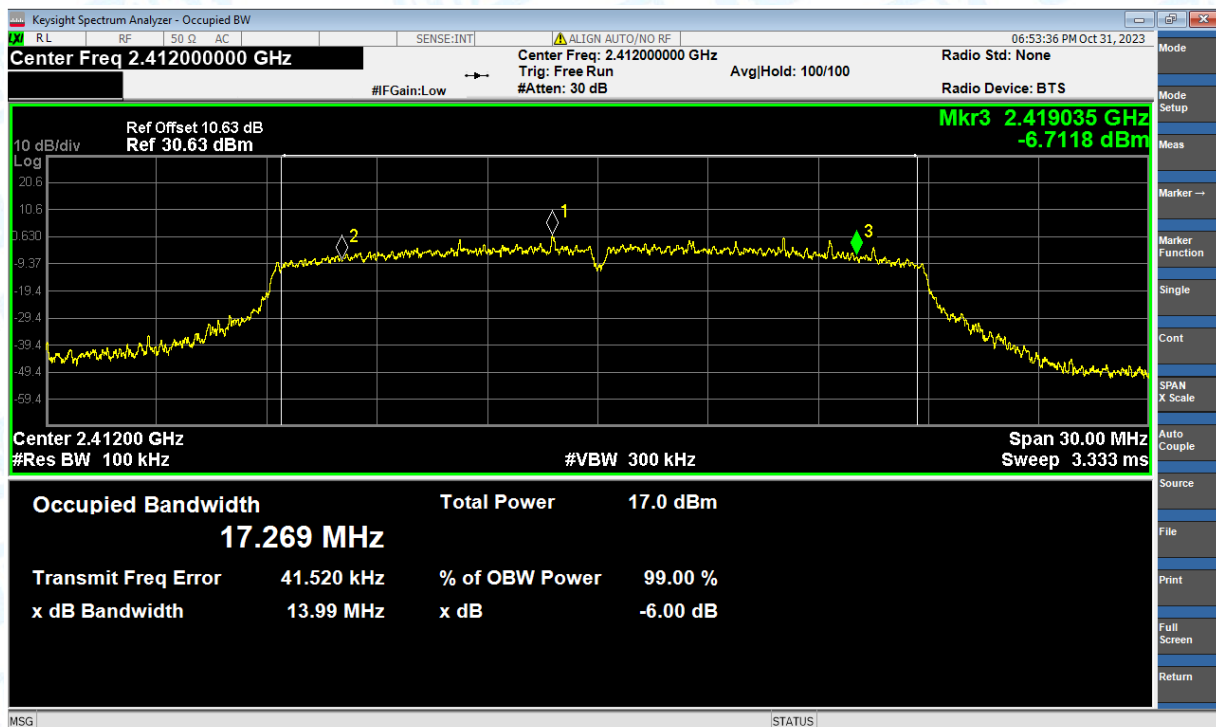
-6dB Bandwidth NVNT g 2462MHz Ant2



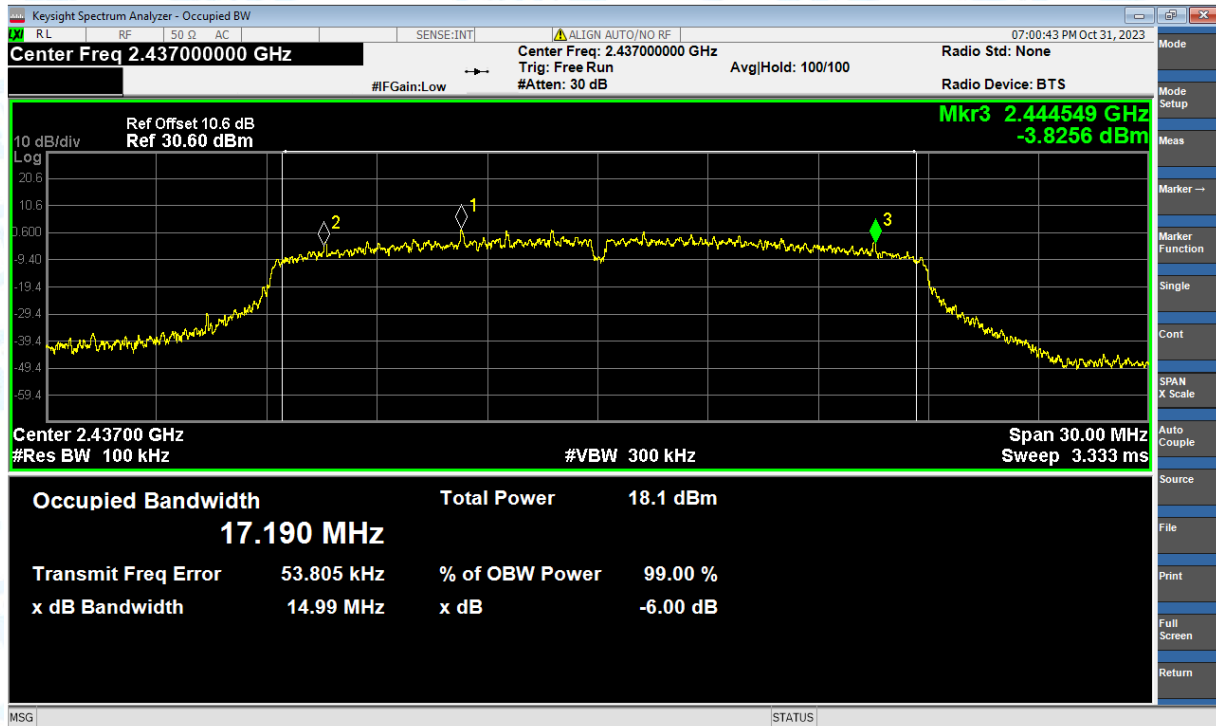
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



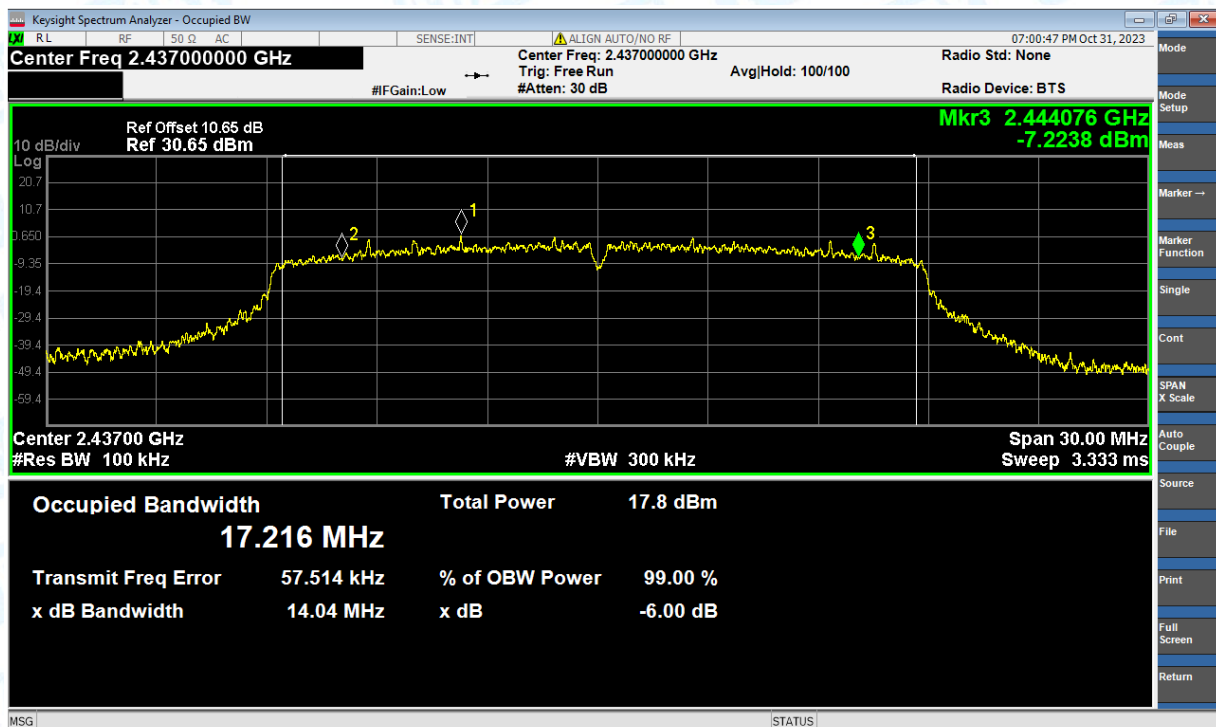
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant2



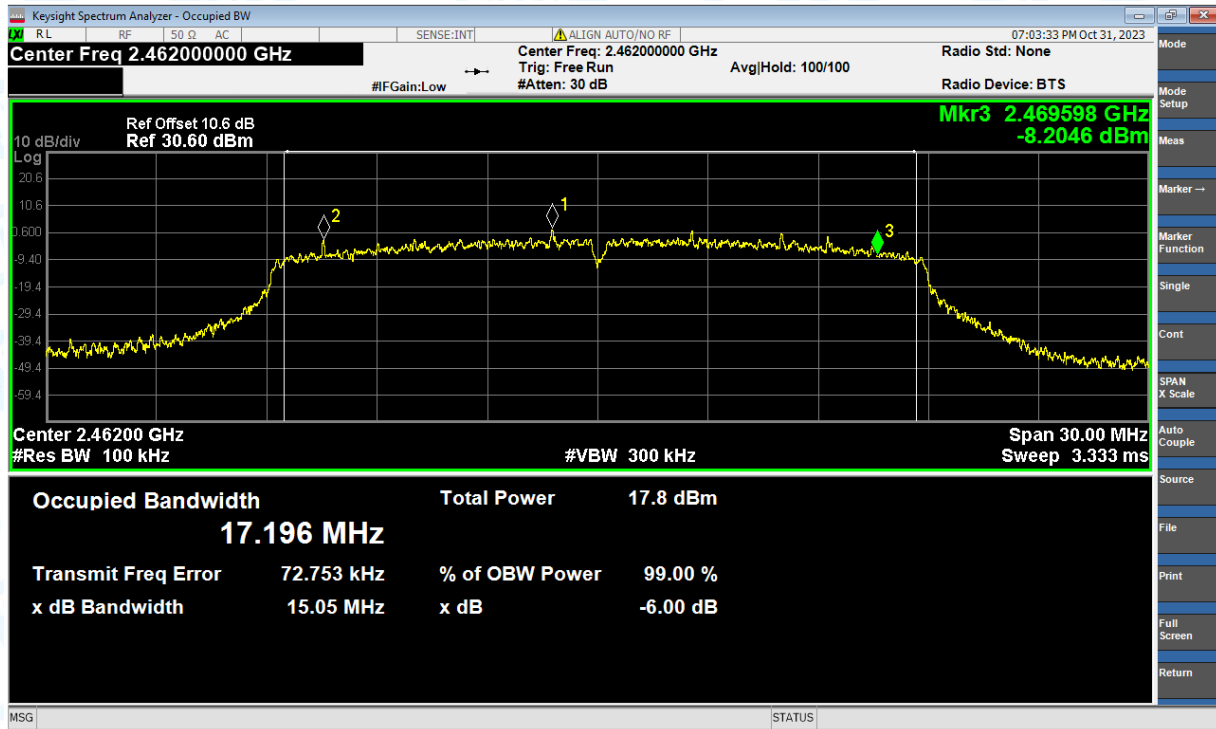
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



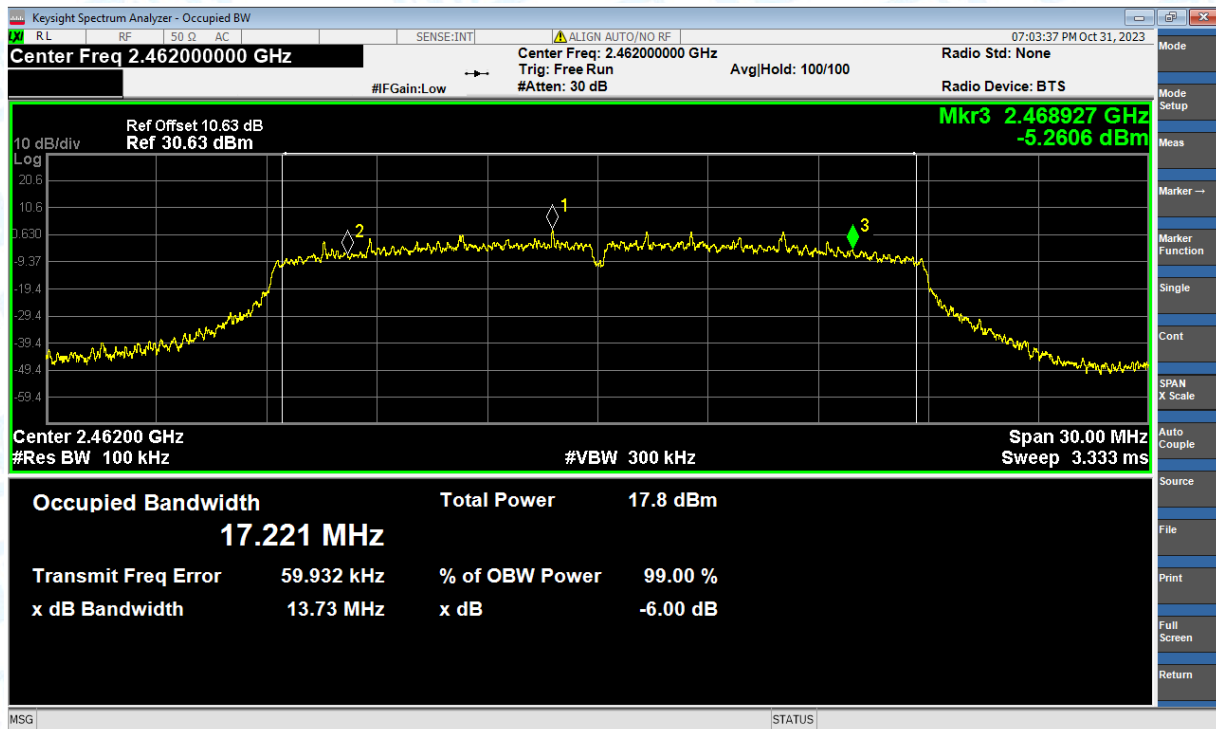
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant2



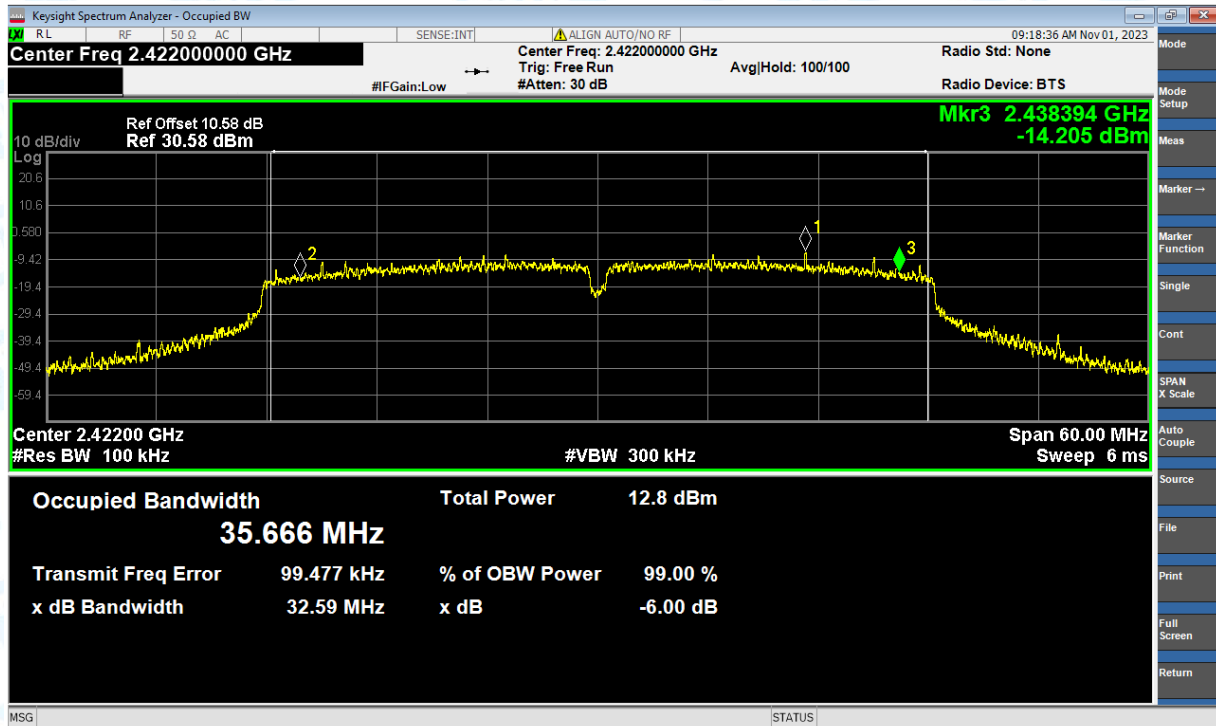
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



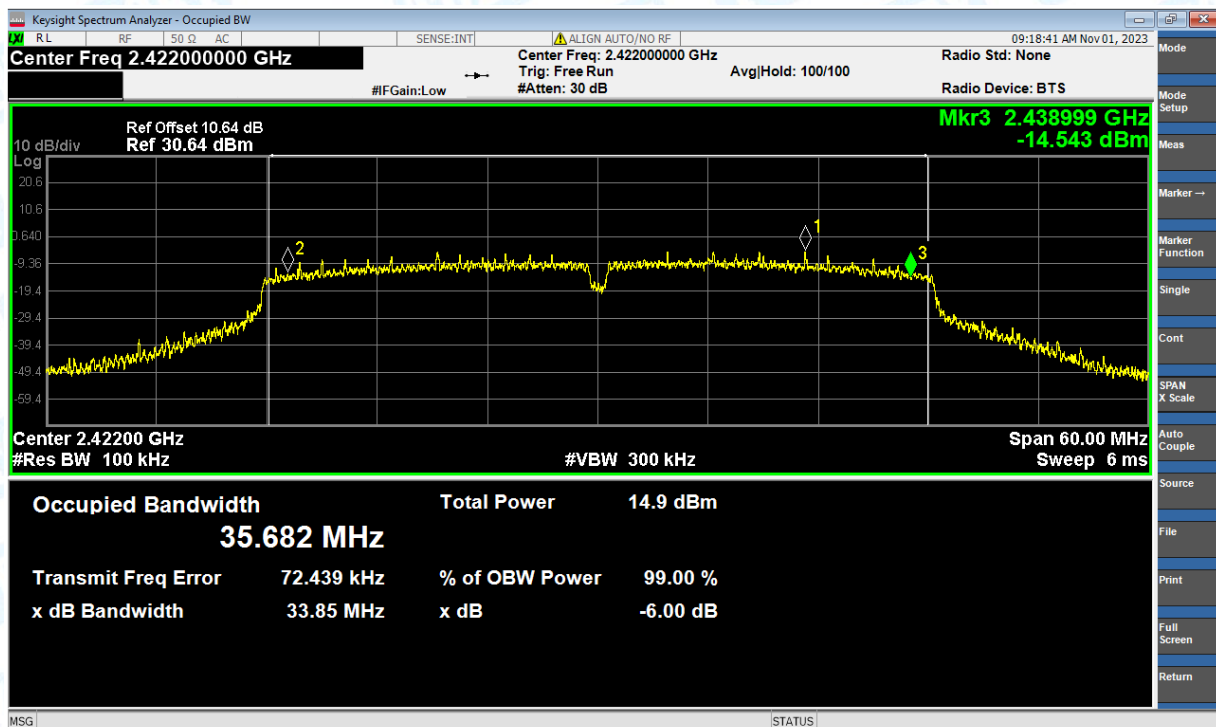
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant2



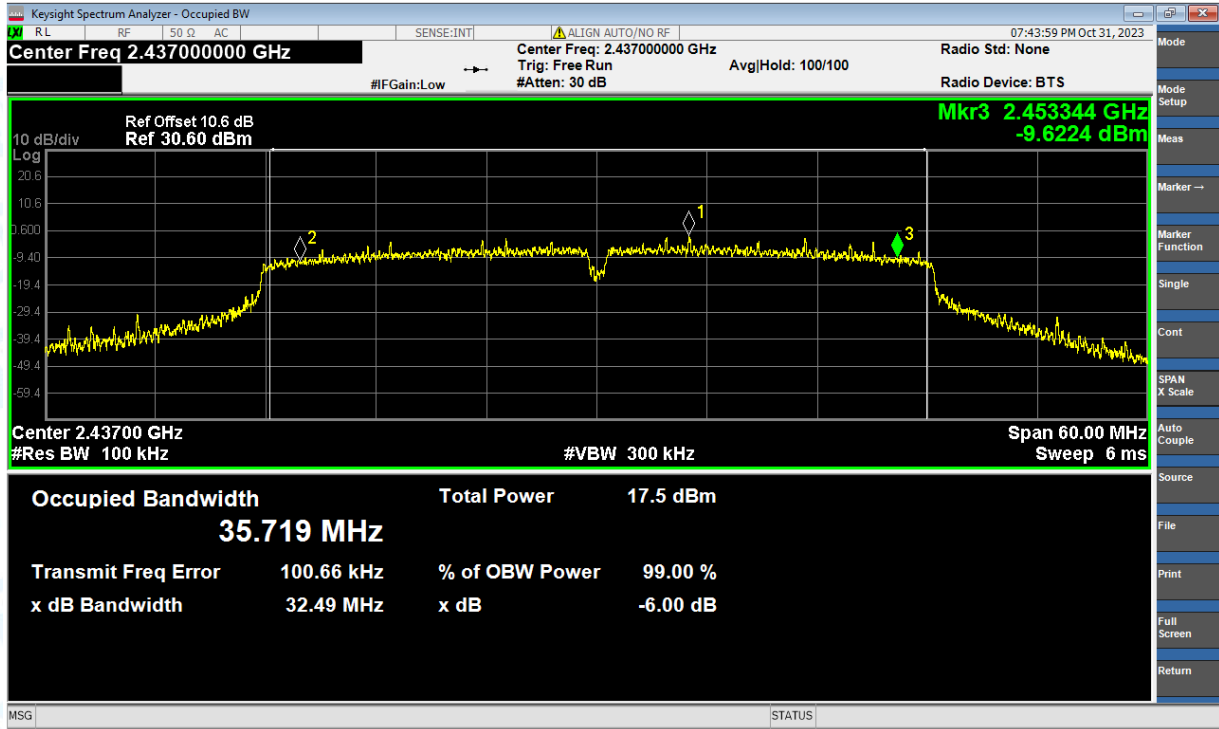
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



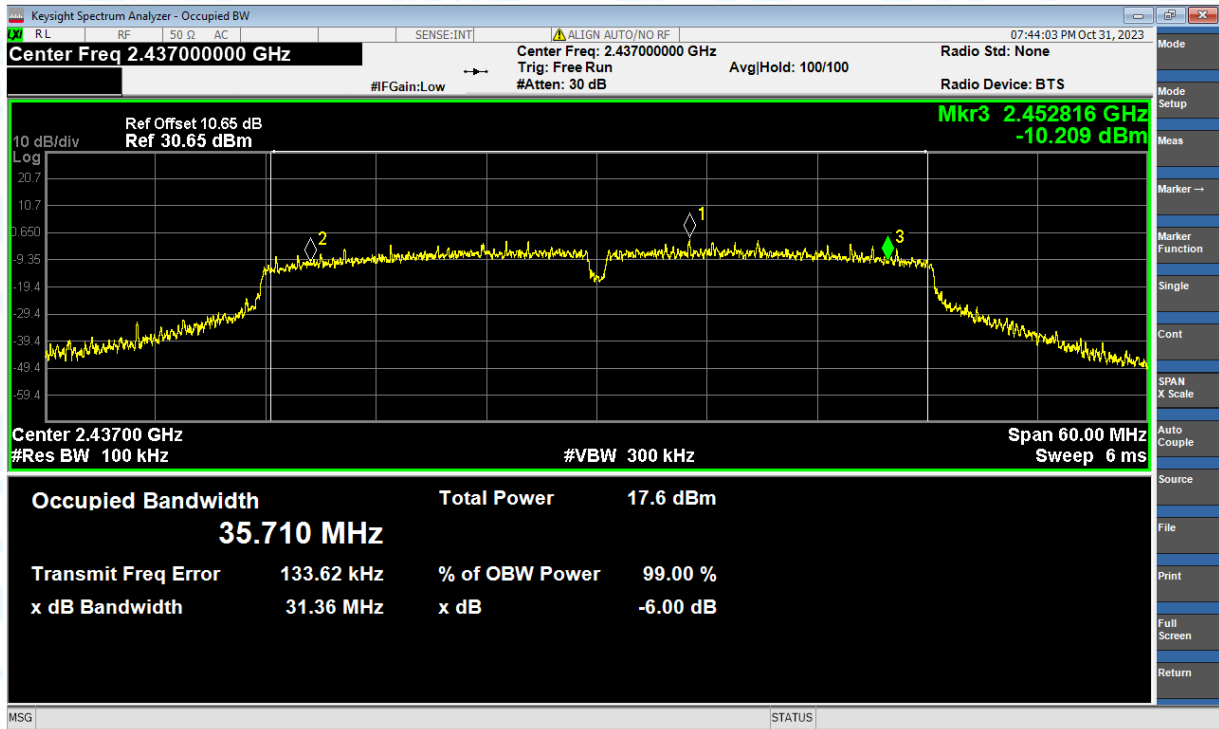
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant2



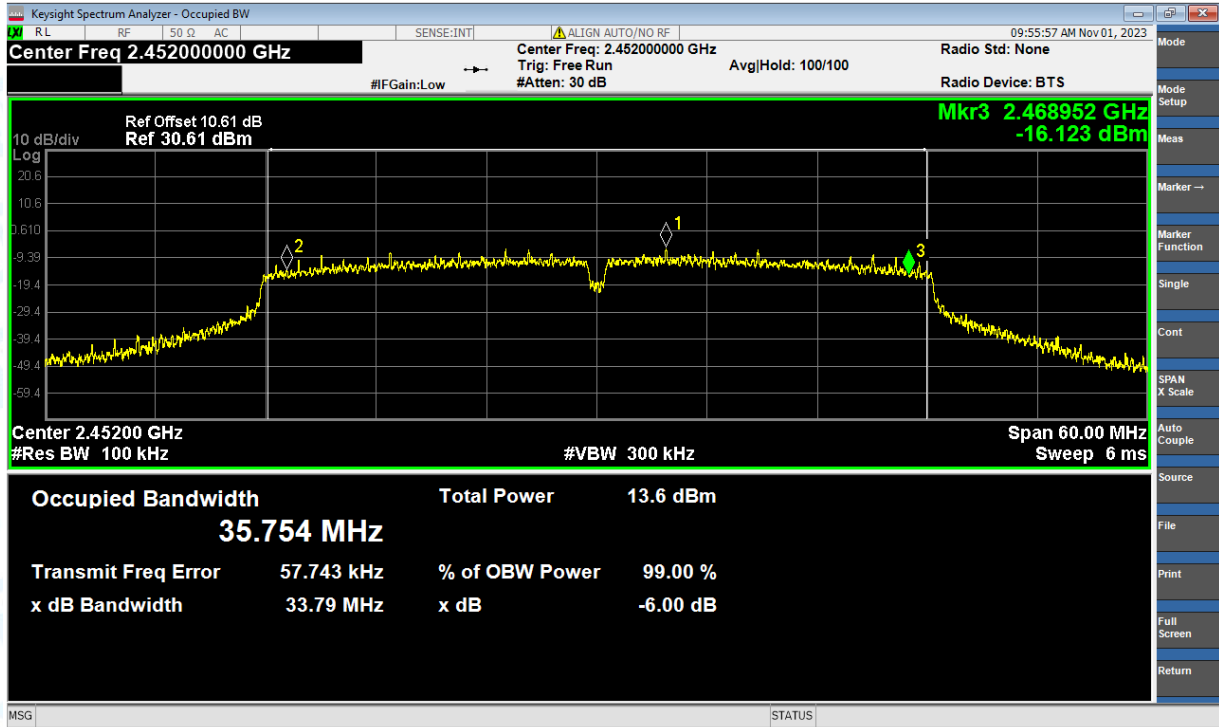
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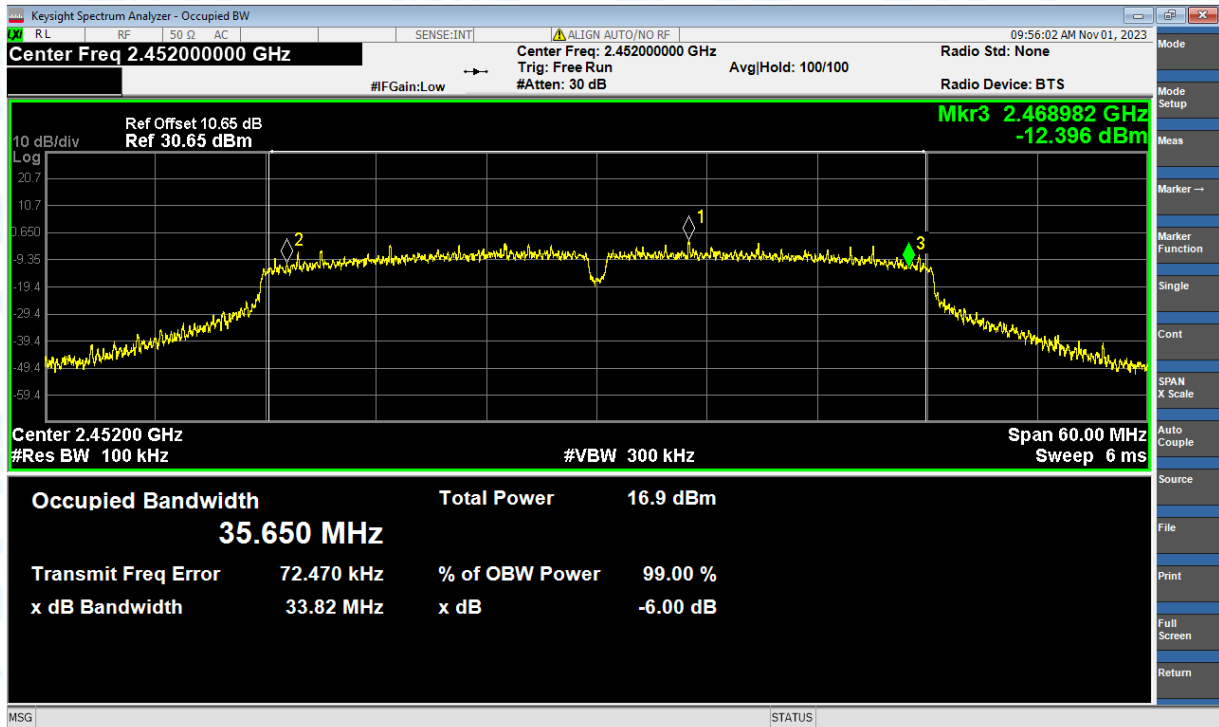
-6dB Bandwidth NVNT n(HT40) 2437MHz Ant2



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



-6dB Bandwidth NVNT n(HT40) 2452MHz Ant2

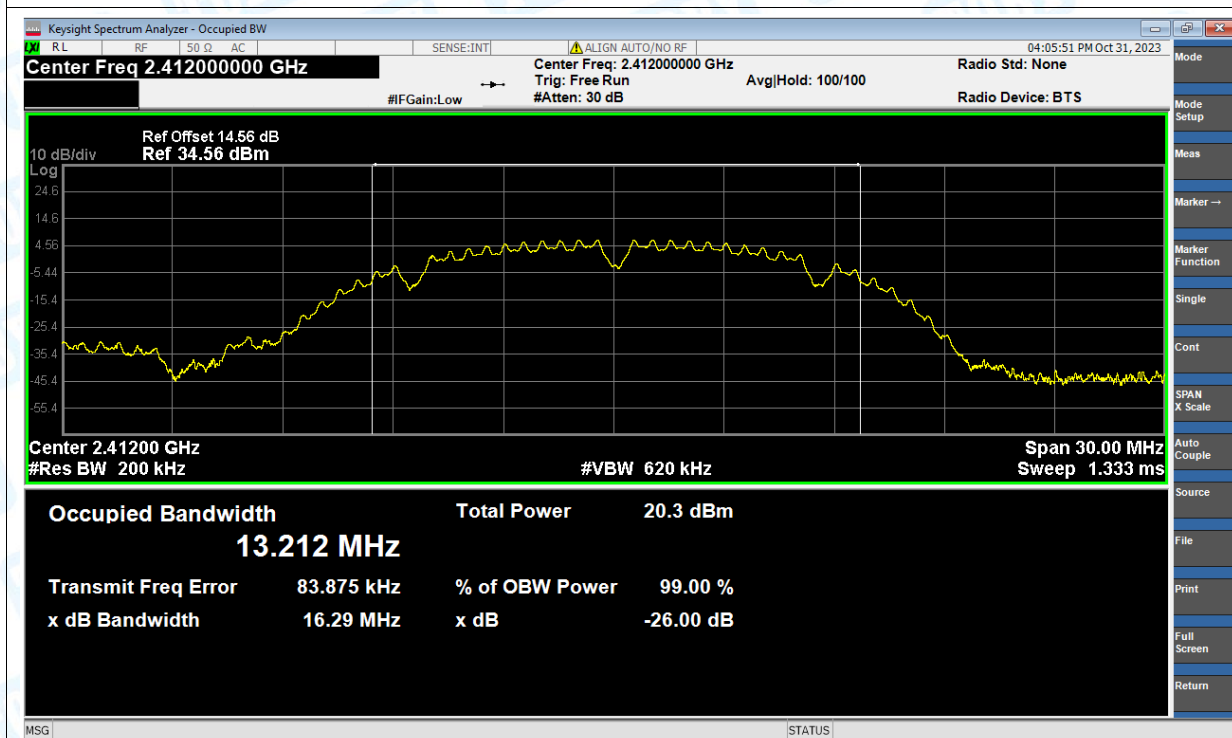


Occupied Channel Bandwidth

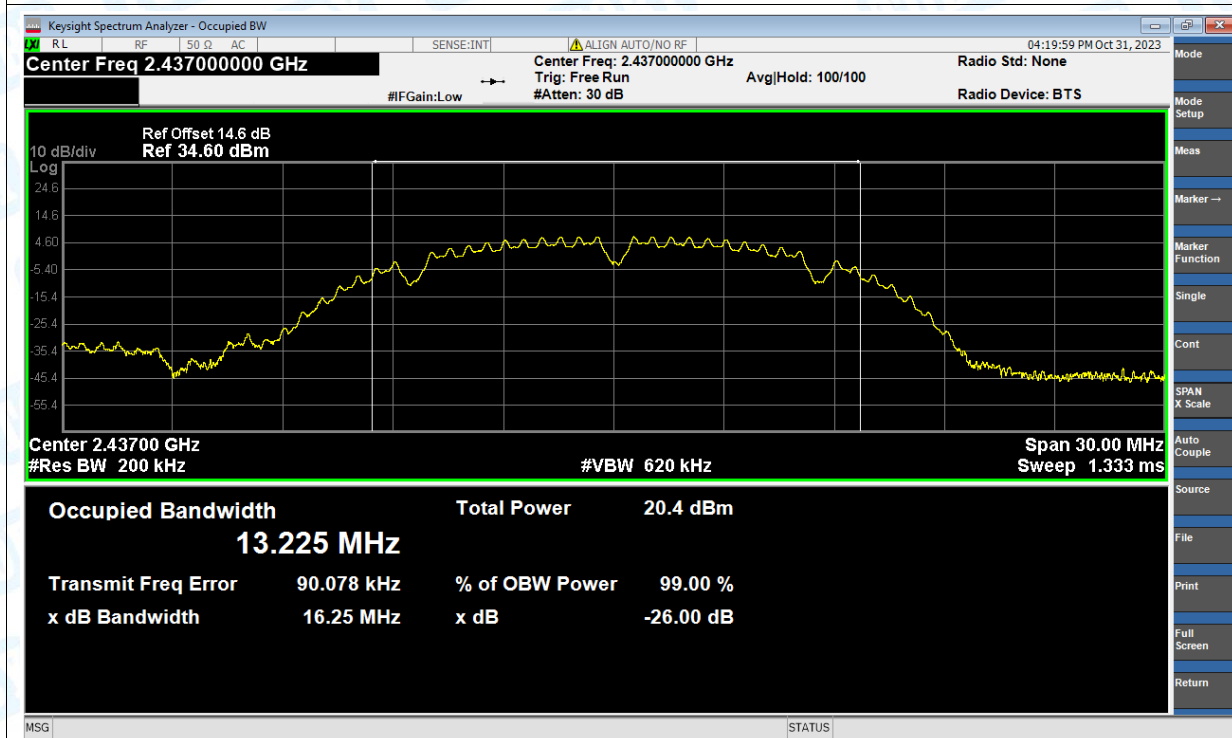
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.212
NVNT	b	2437	Ant1	13.225
NVNT	b	2462	Ant1	13.265
NVNT	b	2412	Ant2	13.23
NVNT	b	2437	Ant2	13.283
NVNT	b	2462	Ant2	13.304
NVNT	g	2412	Ant1	16.153
NVNT	g	2437	Ant1	16.16
NVNT	g	2462	Ant1	16.121
NVNT	g	2412	Ant2	16.139
NVNT	g	2437	Ant2	16.16
NVNT	g	2462	Ant2	16.134
NVNT	n(HT20)	2412	Ant1	17.238
NVNT	n(HT20)	2412	Ant2	17.218
NVNT	n(HT20)	2437	Ant1	17.185
NVNT	n(HT20)	2437	Ant2	17.207
NVNT	n(HT20)	2462	Ant1	17.167
NVNT	n(HT20)	2462	Ant2	17.177
NVNT	n(HT40)	2422	Ant1	35.724
NVNT	n(HT40)	2422	Ant2	35.749
NVNT	n(HT40)	2437	Ant1	35.761
NVNT	n(HT40)	2437	Ant2	35.684
NVNT	n(HT40)	2452	Ant1	35.815
NVNT	n(HT40)	2452	Ant2	35.746

Test Graphs

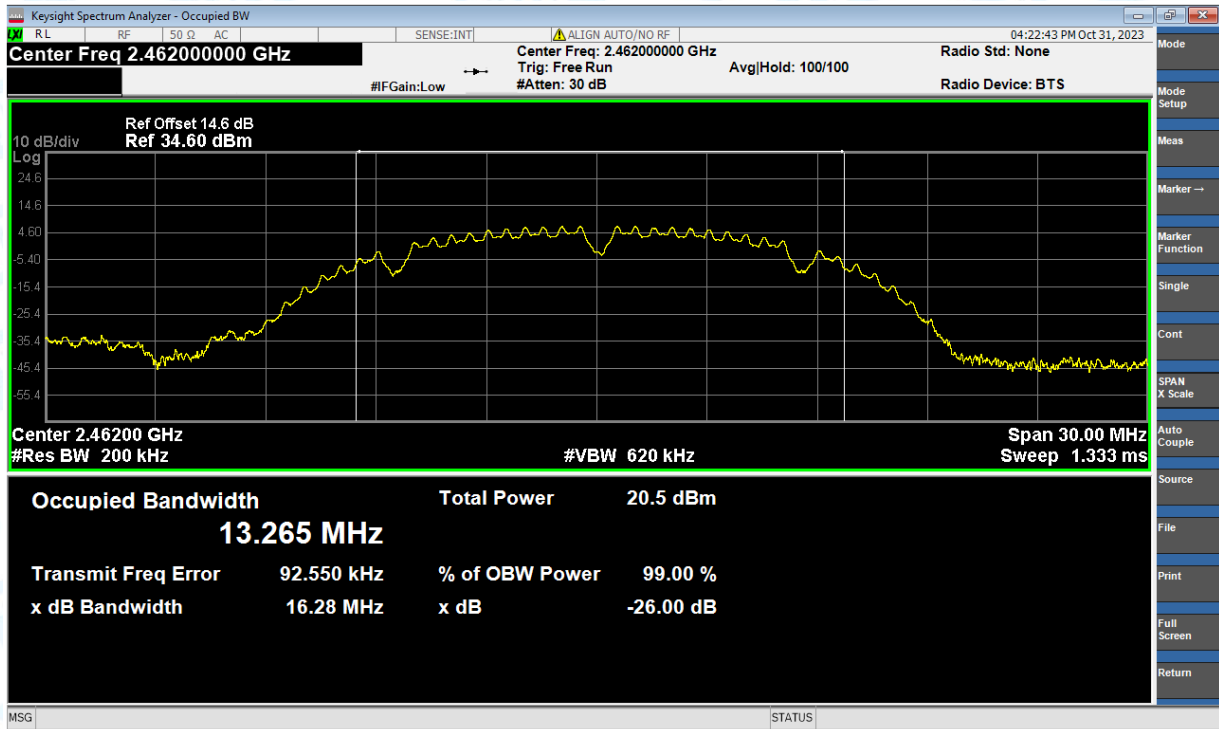
OBW NVNT b 2412MHz Ant1



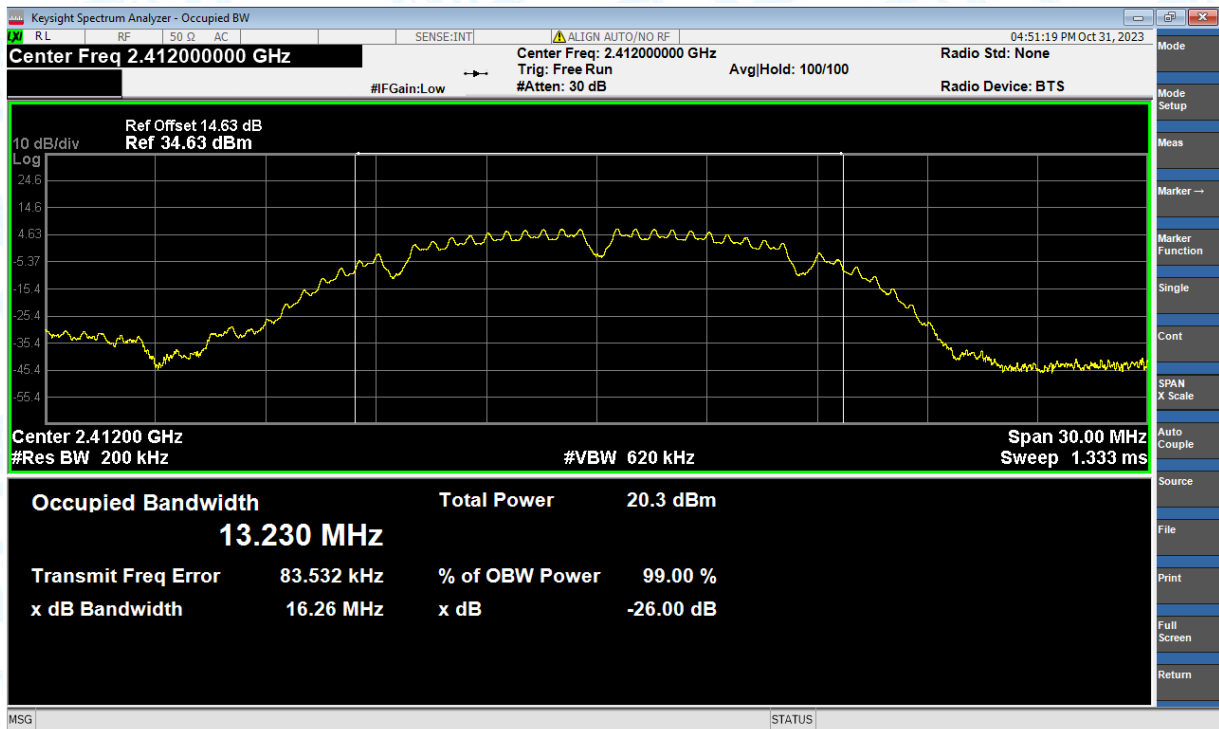
OBW NVNT b 2437MHz Ant1



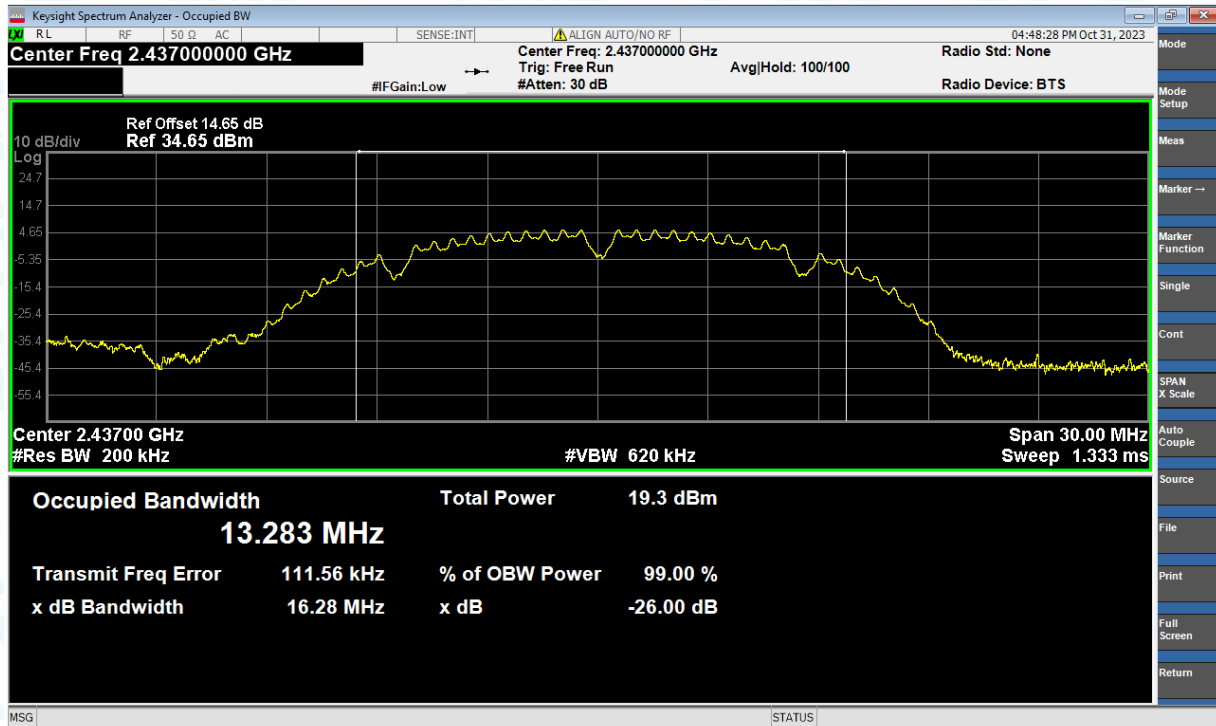
OBW NVNT b 2462MHz Ant1



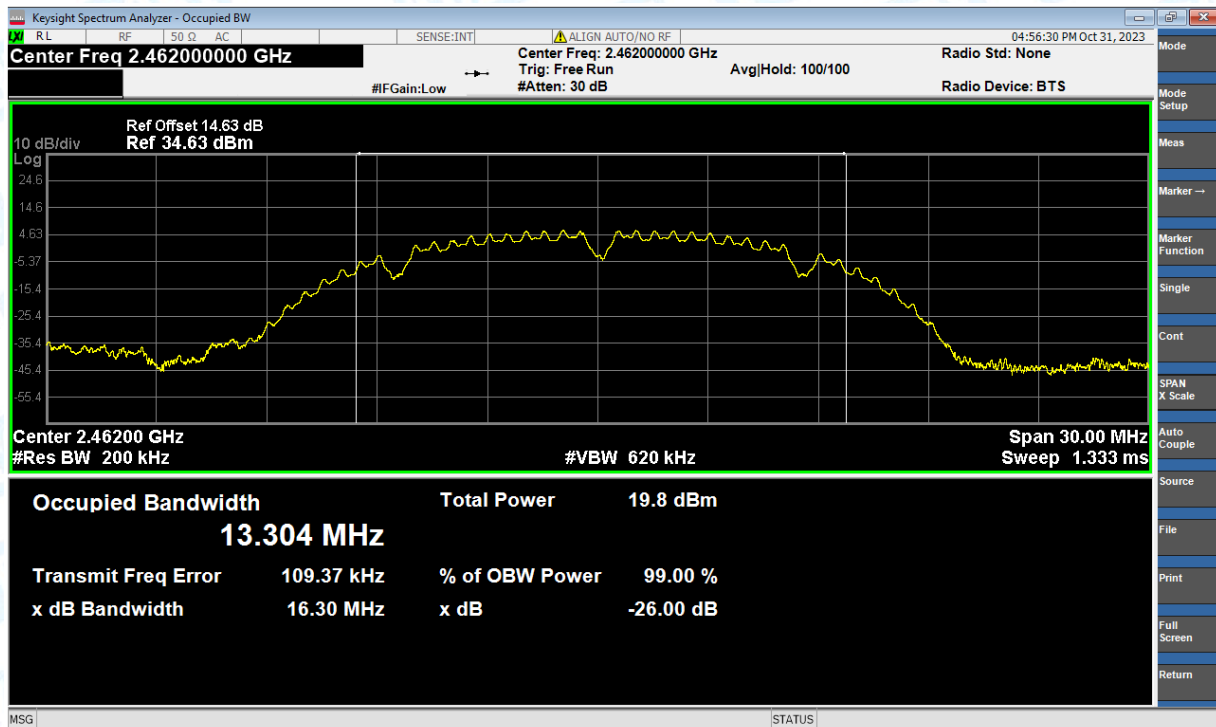
OBW NVNT b 2412MHz Ant2



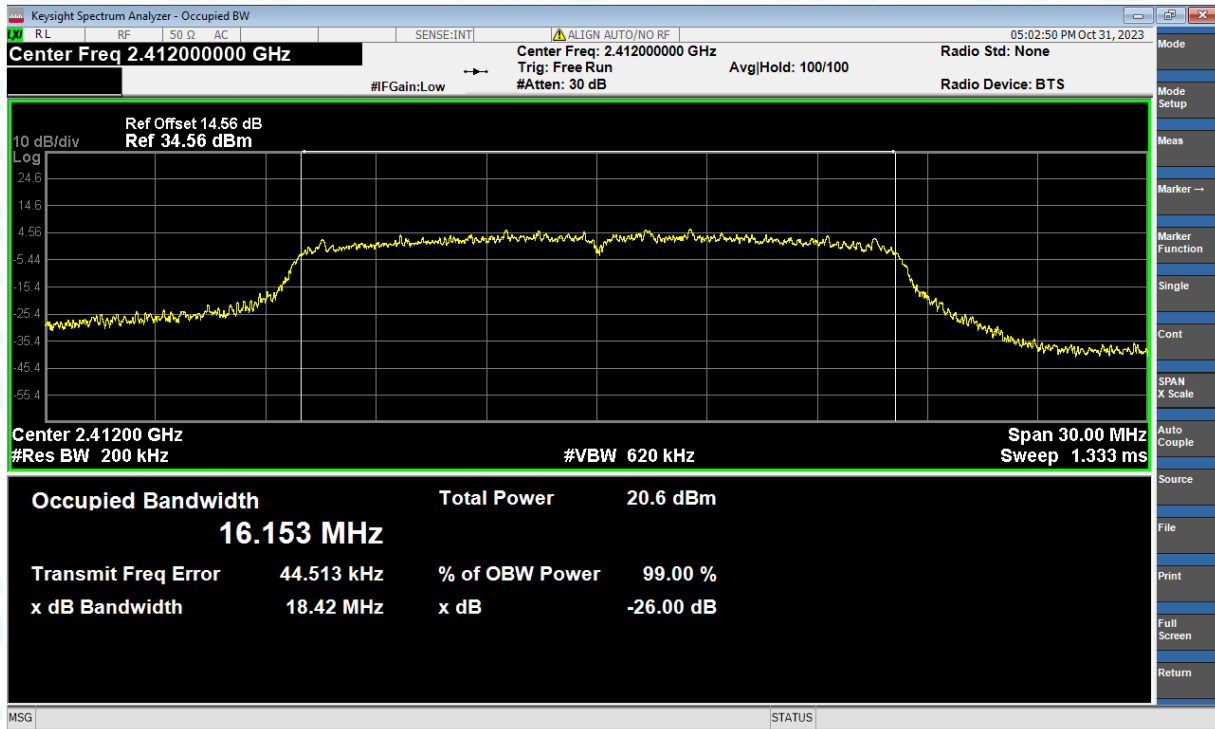
OBW NVNT b 2437MHz Ant2



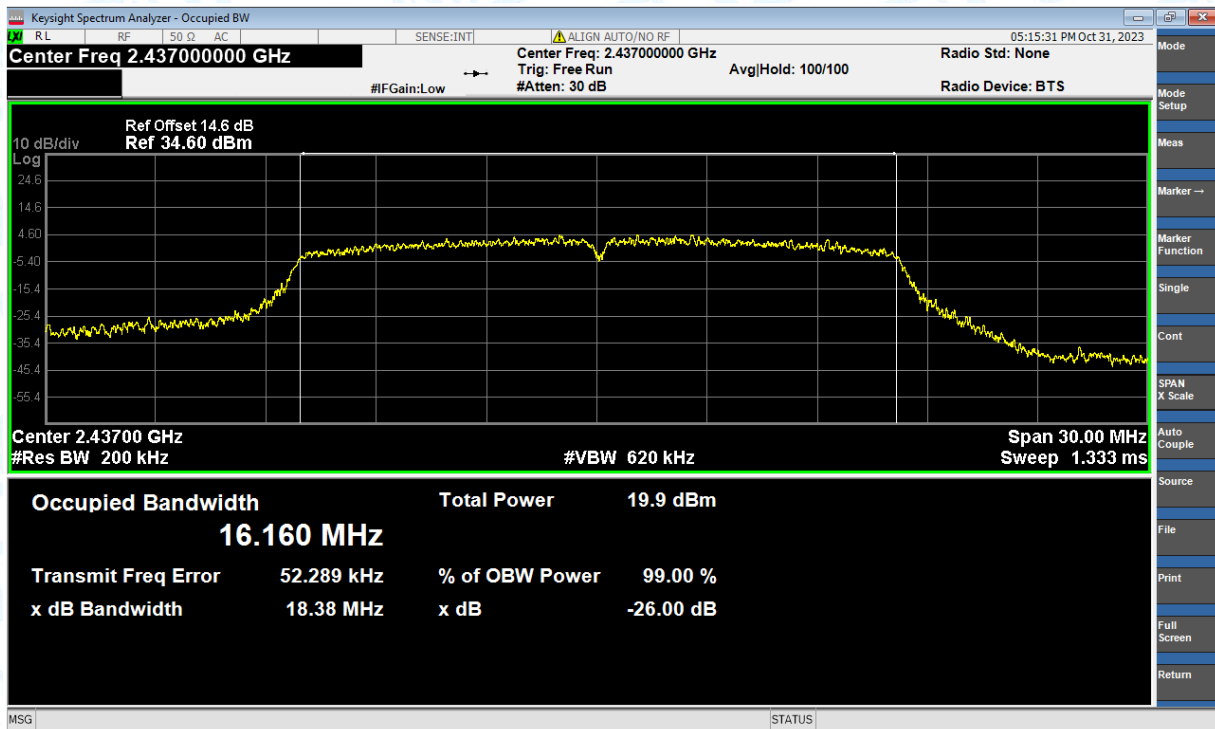
OBW NVNT b 2462MHz Ant2



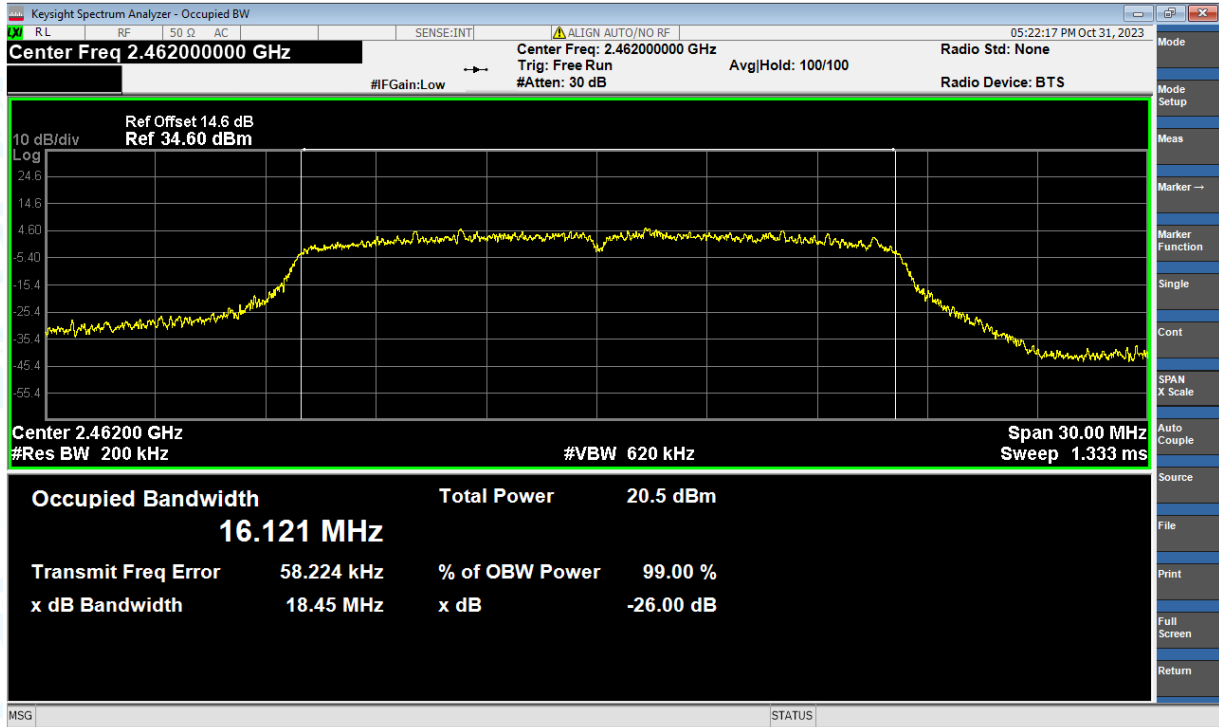
OBW NVNT g 2412MHz Ant1



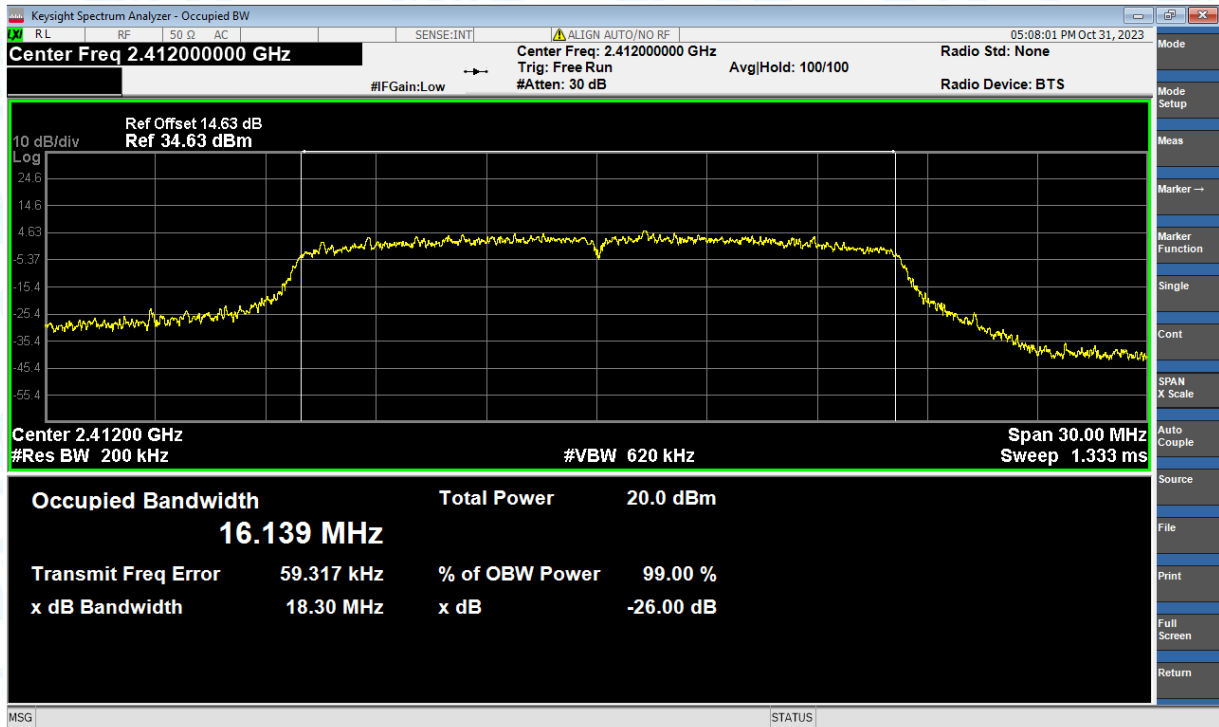
OBW NVNT g 2437MHz Ant1



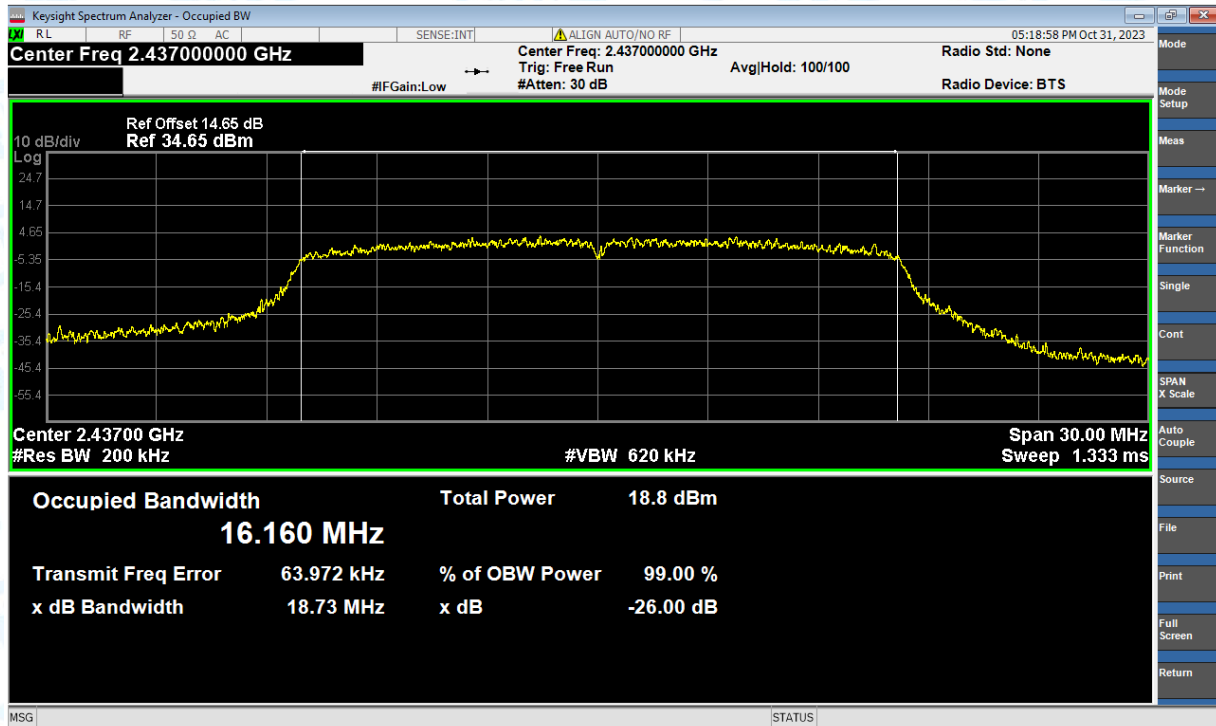
OBW NVNT g 2462MHz Ant1



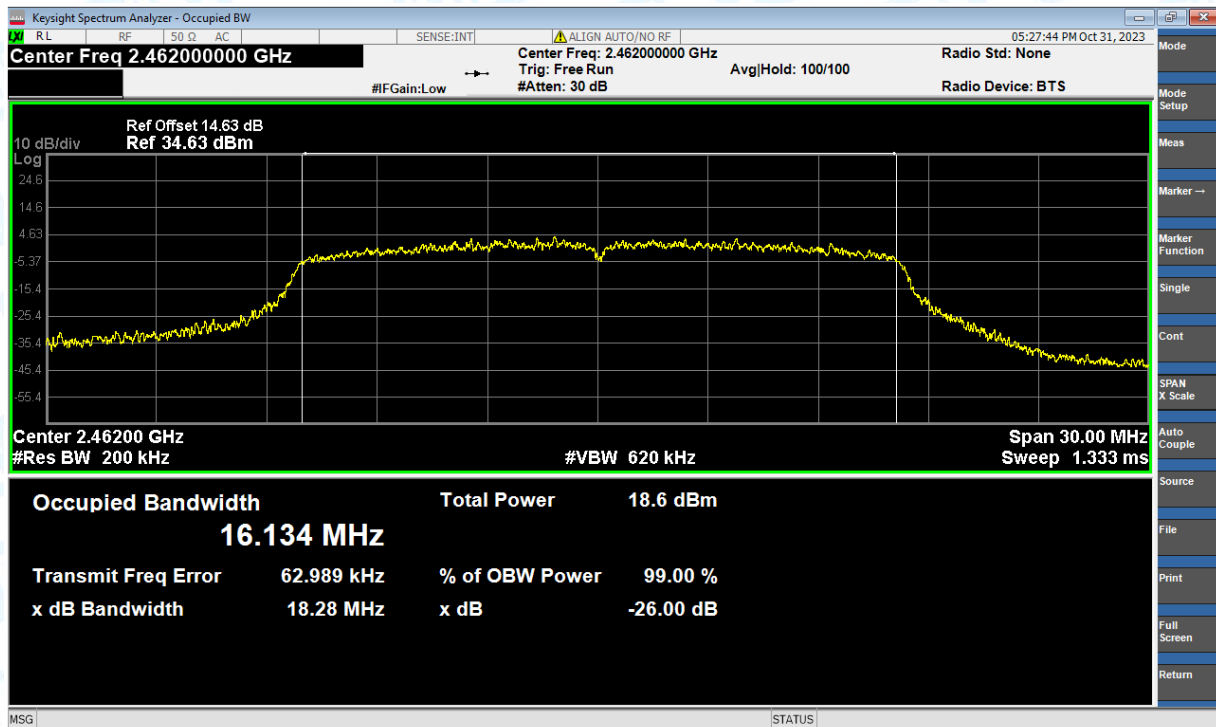
OBW NVNT g 2412MHz Ant2



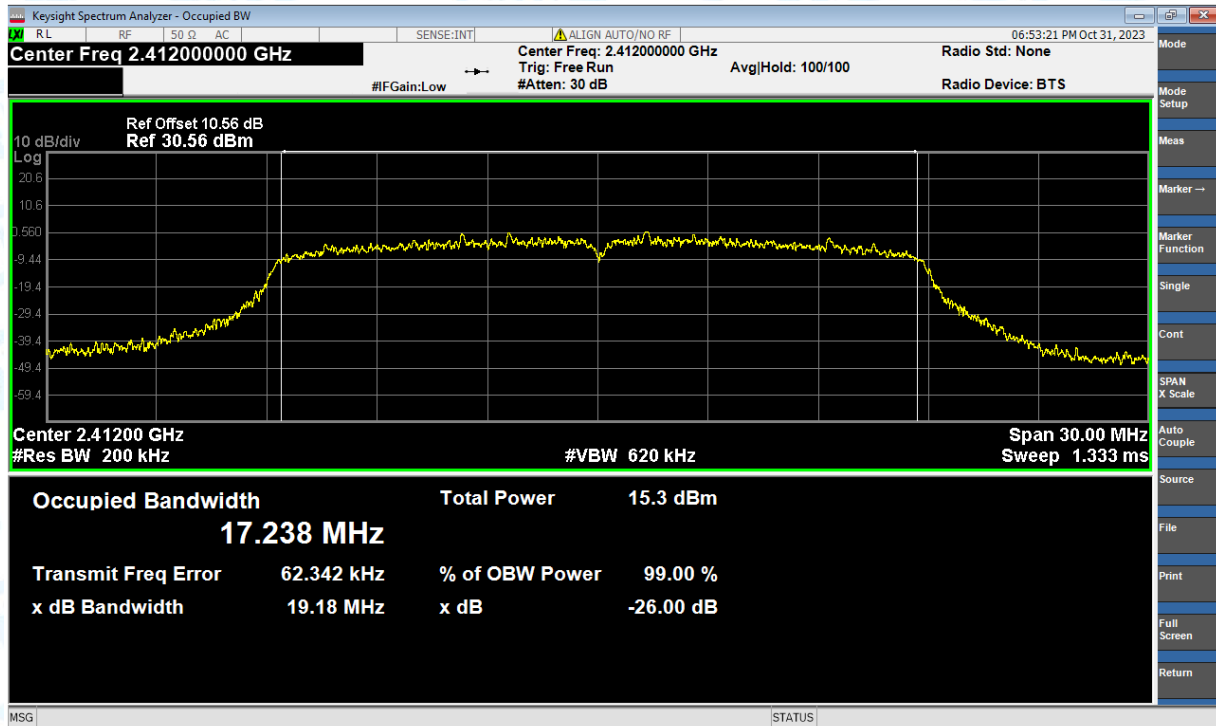
OBW NVNT g 2437MHz Ant2



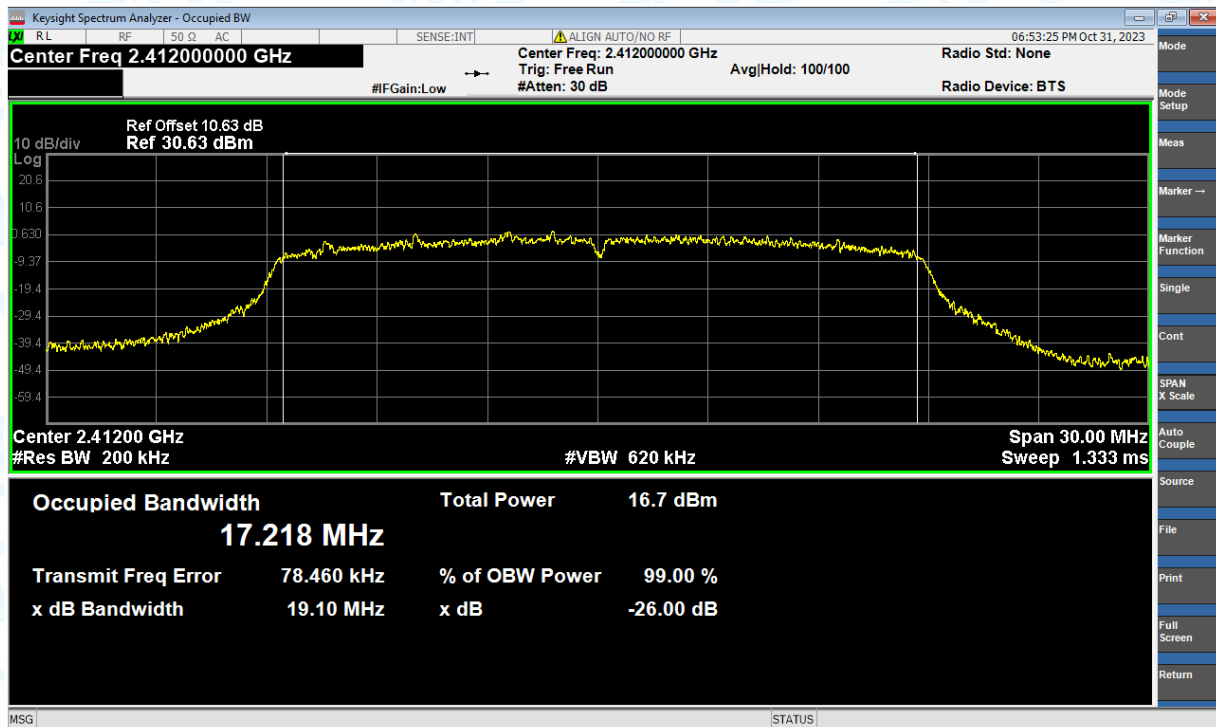
OBW NVNT g 2462MHz Ant2



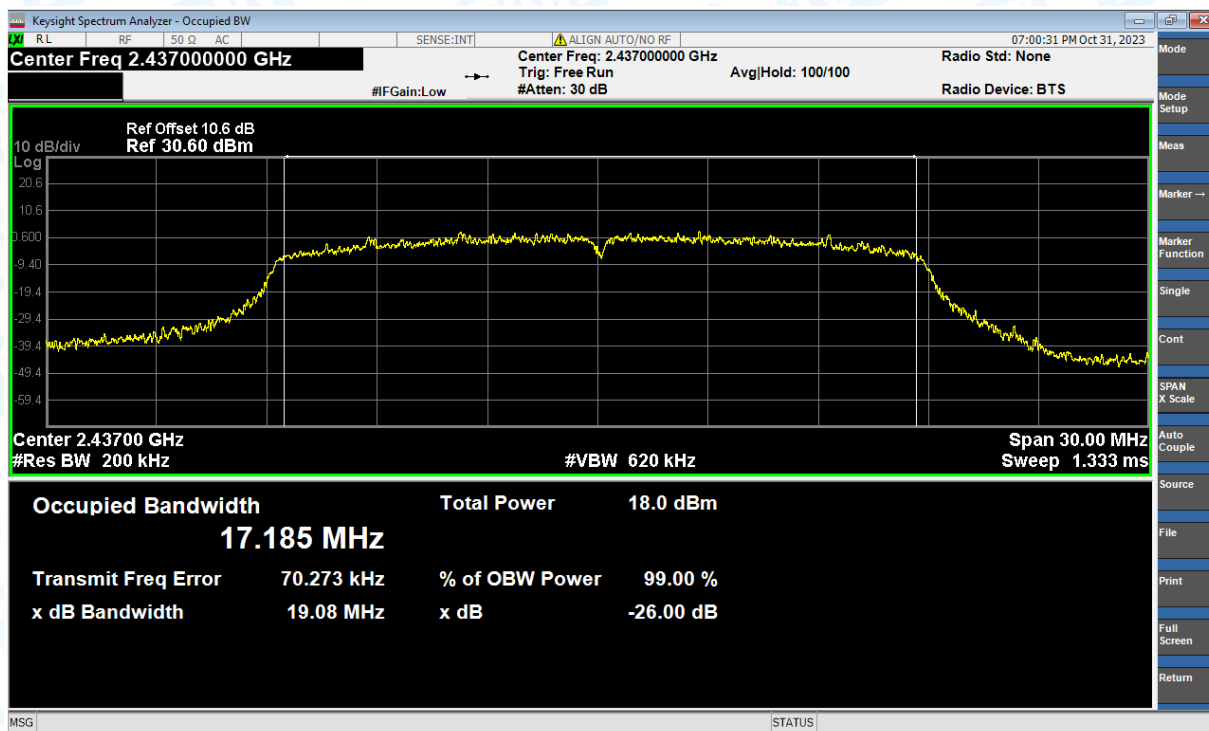
OBW NVNT n(HT20) 2412MHz Ant1



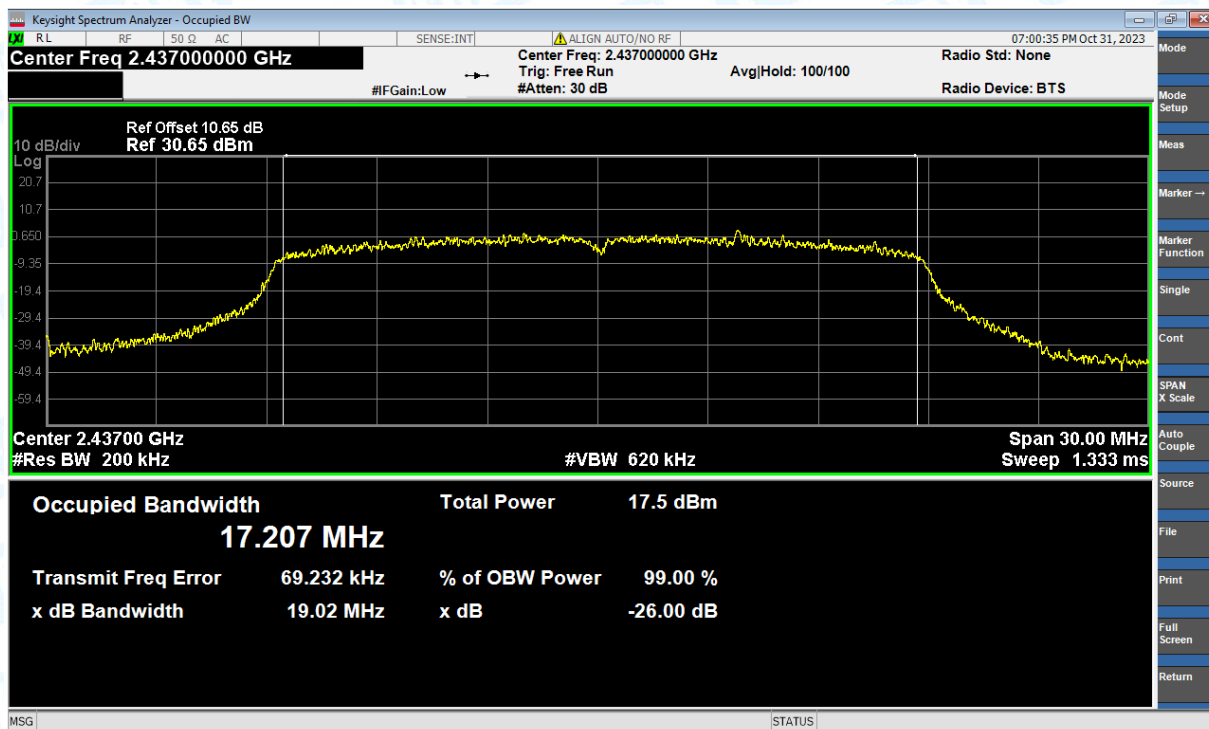
OBW NVNT n(HT20) 2412MHz Ant2



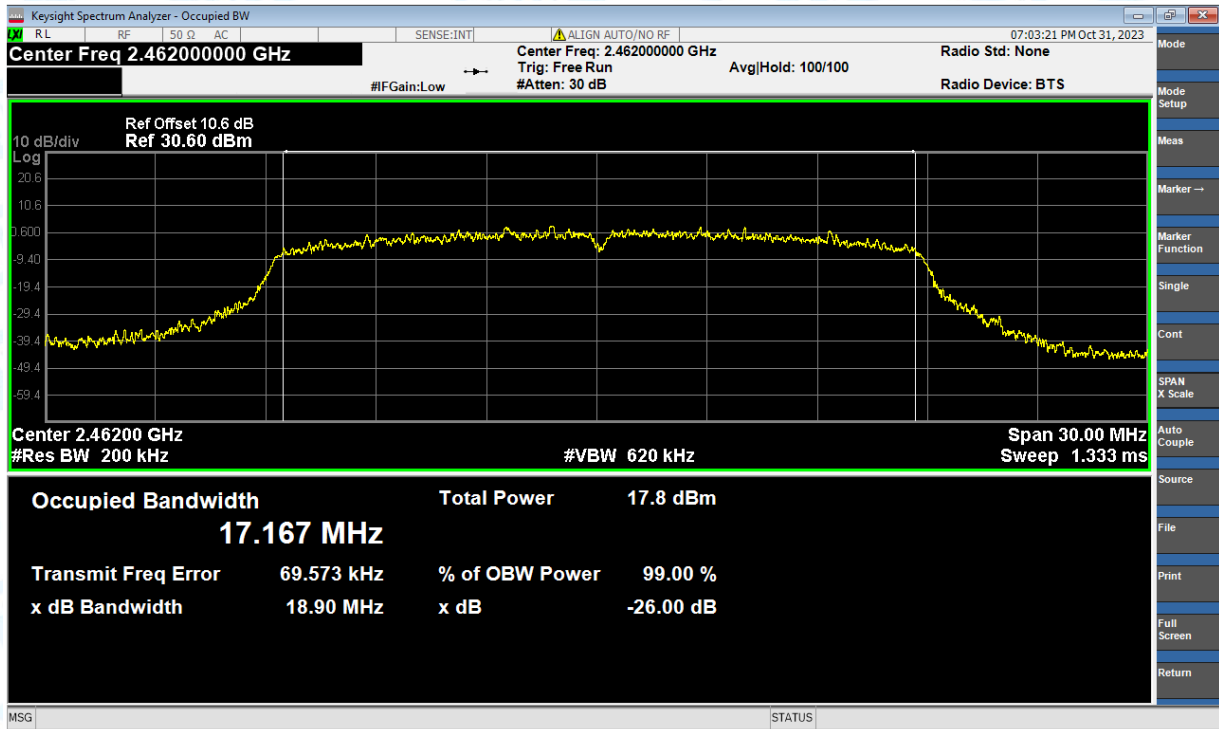
OBW NVNT n(HT20) 2437MHz Ant1



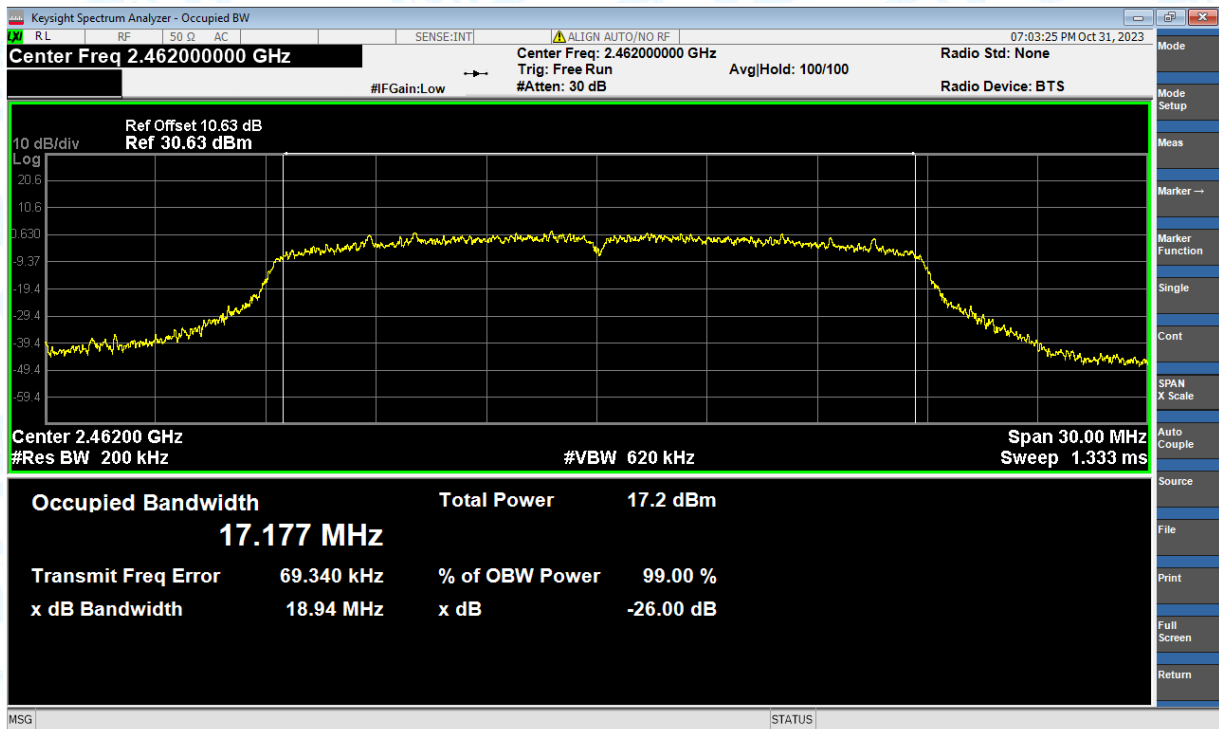
OBW NVNT n(HT20) 2437MHz Ant2



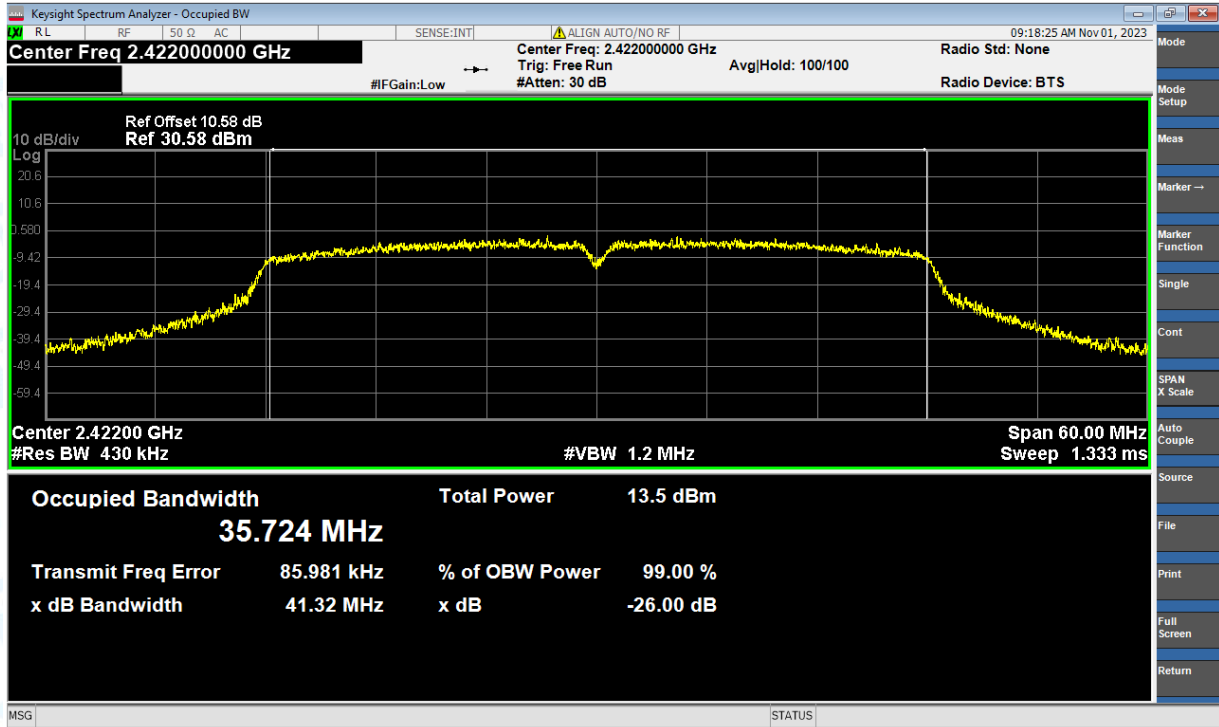
OBW NVNT n(HT20) 2462MHz Ant1



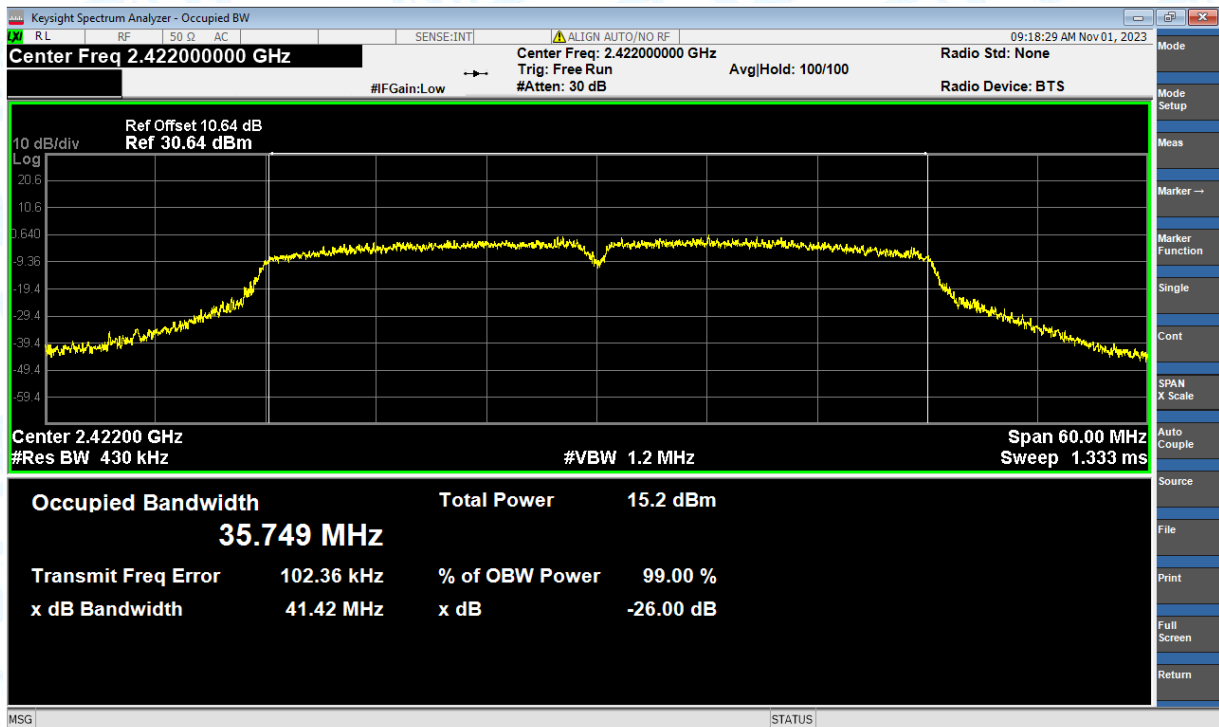
OBW NVNT n(HT20) 2462MHz Ant2



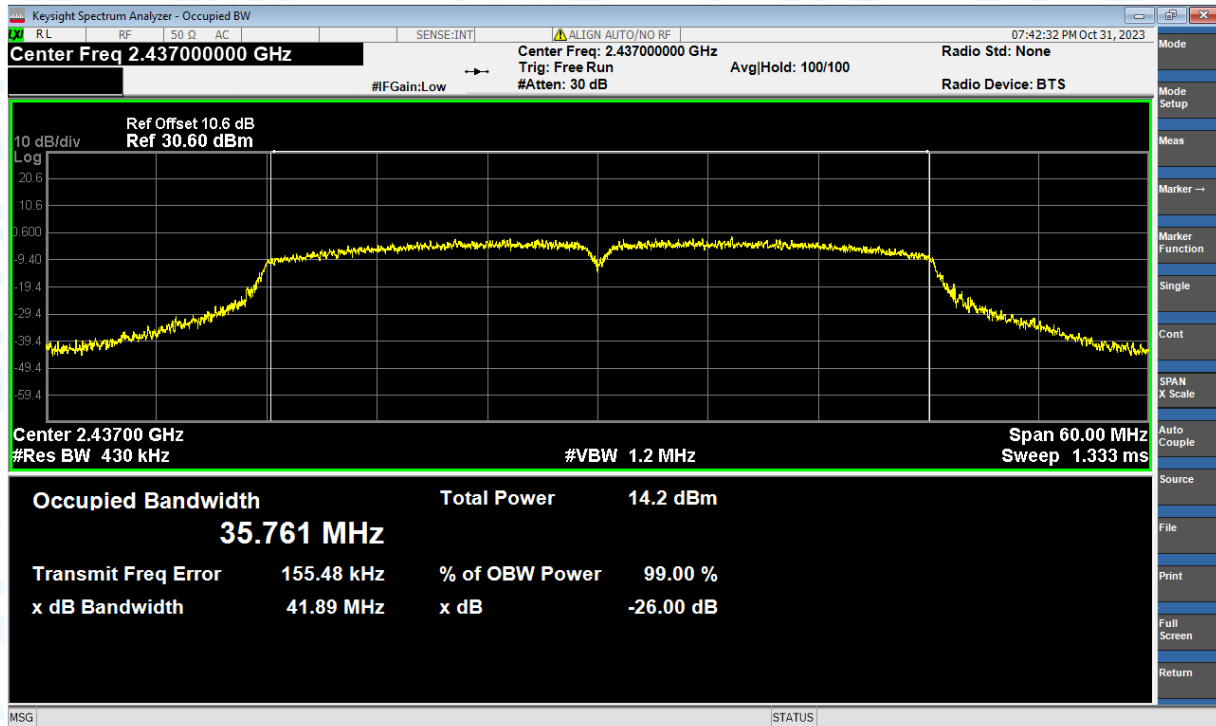
OBW NVNT n(HT40) 2422MHz Ant1



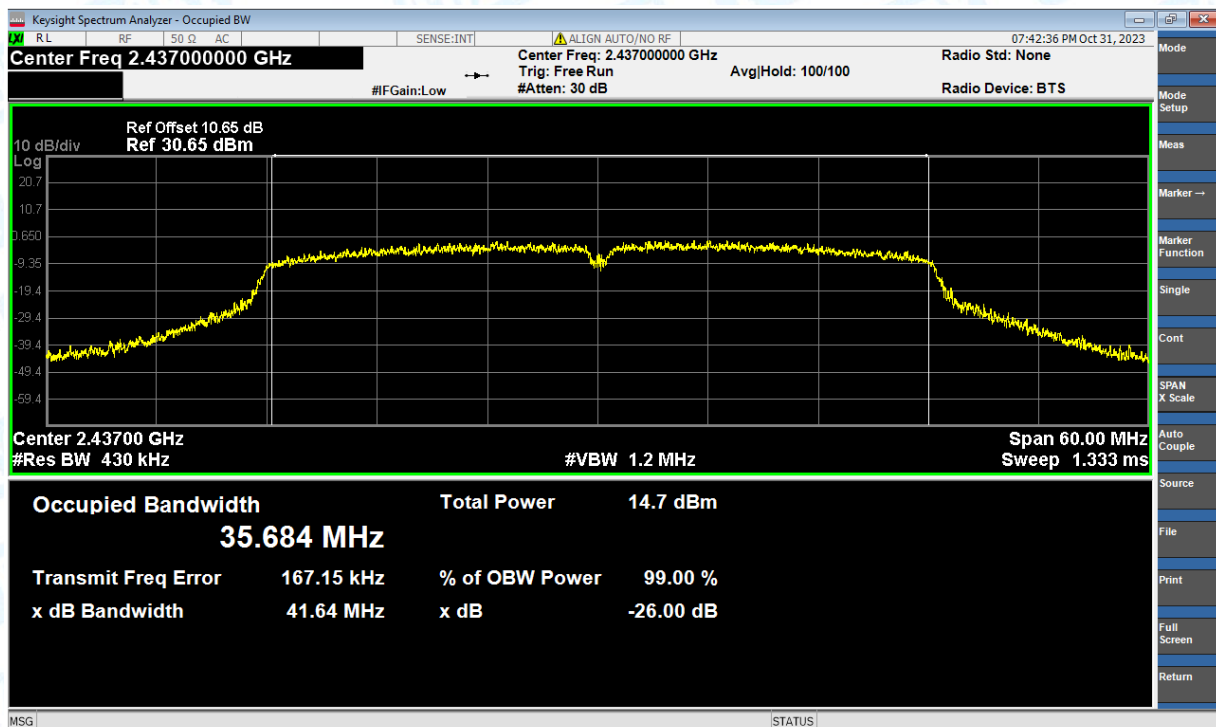
OBW NVNT n(HT40) 2422MHz Ant2



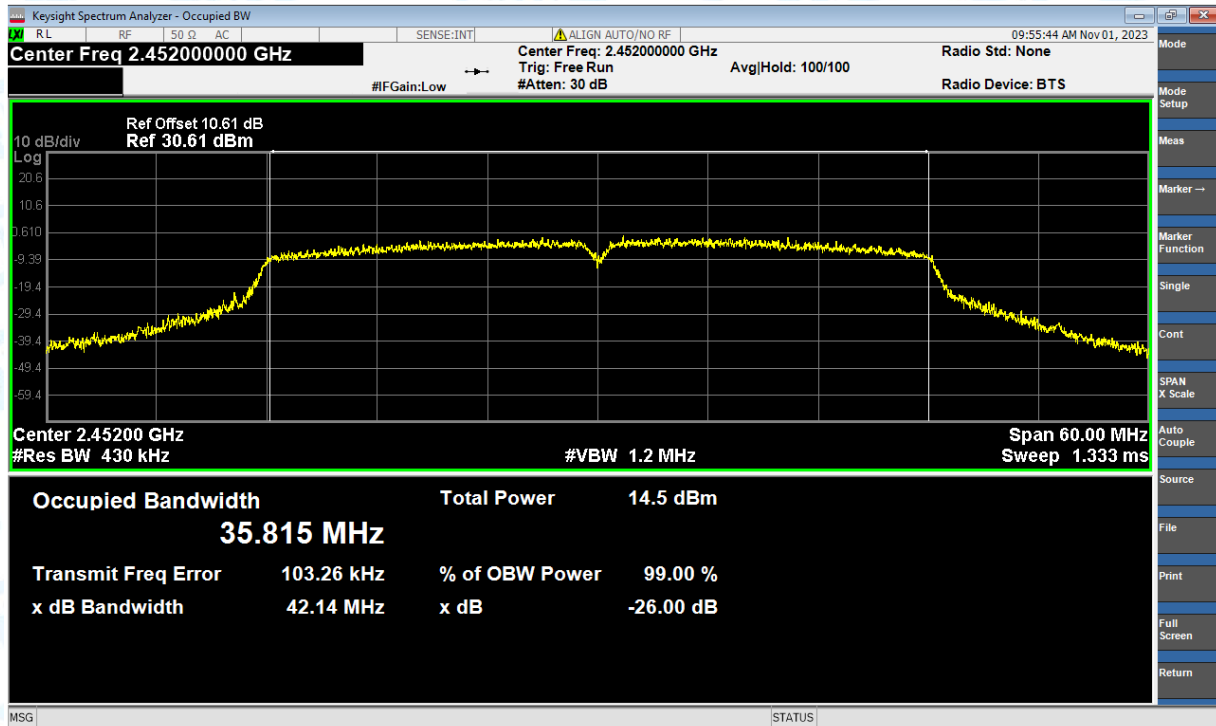
OBW NVNT n(HT40) 2437MHz Ant1



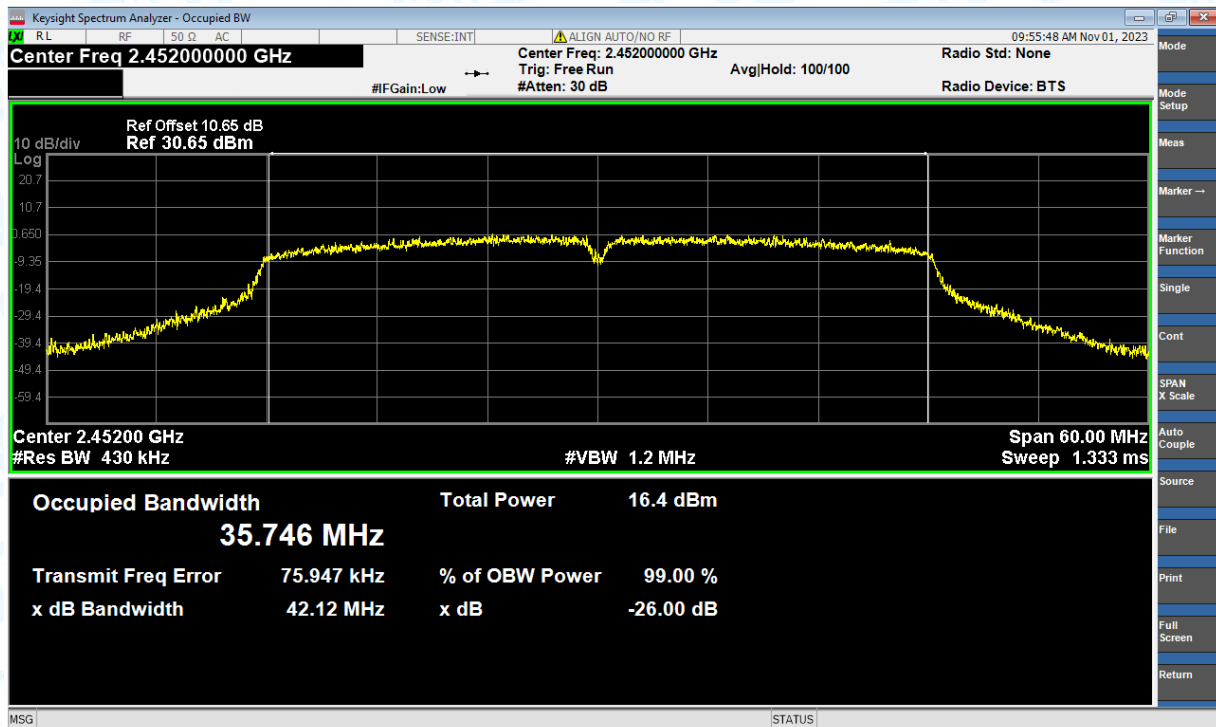
OBW NVNT n(HT40) 2437MHz Ant2



OBW NVNT n(HT40) 2452MHz Ant1



OBW NVNT n(HT40) 2452MHz Ant2



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-15.74	8	Pass
NVNT	b	2437	Ant1	-15.428	8	Pass
NVNT	b	2462	Ant1	-16.264	8	Pass
NVNT	b	2412	Ant2	-16.495	8	Pass
NVNT	b	2437	Ant2	-17.62	8	Pass
NVNT	b	2462	Ant2	-16.361	8	Pass
NVNT	g	2412	Ant1	-18.823	8	Pass
NVNT	g	2437	Ant1	-18.985	8	Pass
NVNT	g	2462	Ant1	-18.543	8	Pass
NVNT	g	2412	Ant2	-18.824	8	Pass
NVNT	g	2437	Ant2	-19.965	8	Pass
NVNT	g	2462	Ant2	-20.156	8	Pass
NVNT	n(HT20)	2412	Ant1	-23.713	8	Pass
NVNT	n(HT20)	2412	Ant2	-22.205	8	Pass
NVNT	n(HT20)	2412	Sum	-19.884	8	Pass
NVNT	n(HT20)	2437	Ant1	-20.838	8	Pass
NVNT	n(HT20)	2437	Ant2	-21.185	8	Pass
NVNT	n(HT20)	2437	Sum	-17.998	8	Pass
NVNT	n(HT20)	2462	Ant1	-21.201	8	Pass
NVNT	n(HT20)	2462	Ant2	-20.39	8	Pass
NVNT	n(HT20)	2462	Sum	-17.766	8	Pass
NVNT	n(HT40)	2422	Ant1	-28.591	8	Pass
NVNT	n(HT40)	2422	Ant2	-27.507	8	Pass
NVNT	n(HT40)	2422	Sum	-25.005	8	Pass
NVNT	n(HT40)	2437	Ant1	-26.15	8	Pass
NVNT	n(HT40)	2437	Ant2	-25.667	8	Pass
NVNT	n(HT40)	2437	Sum	-22.891	8	Pass
NVNT	n(HT40)	2452	Ant1	-28.275	8	Pass
NVNT	n(HT40)	2452	Ant2	-26.902	8	Pass
NVNT	n(HT40)	2452	Sum	-24.524	8	Pass

The Duty Cycle Factor is compensated in the graph.

Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



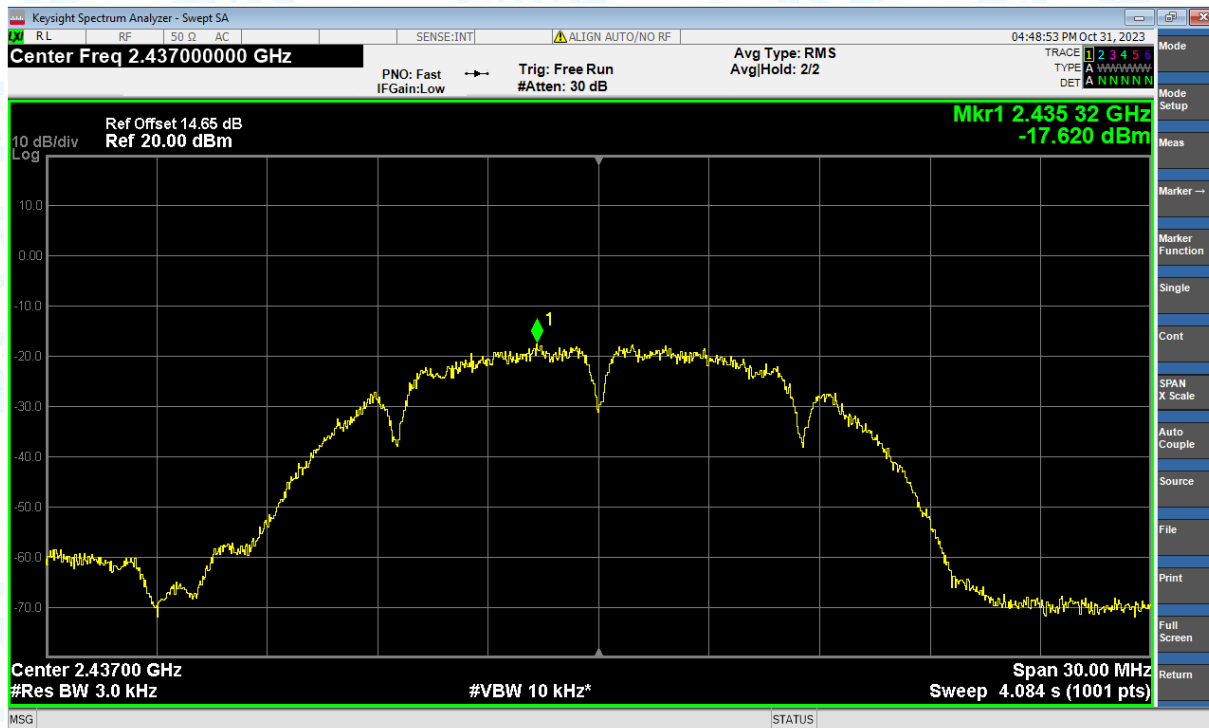
PSD NVNT b 2462MHz Ant1



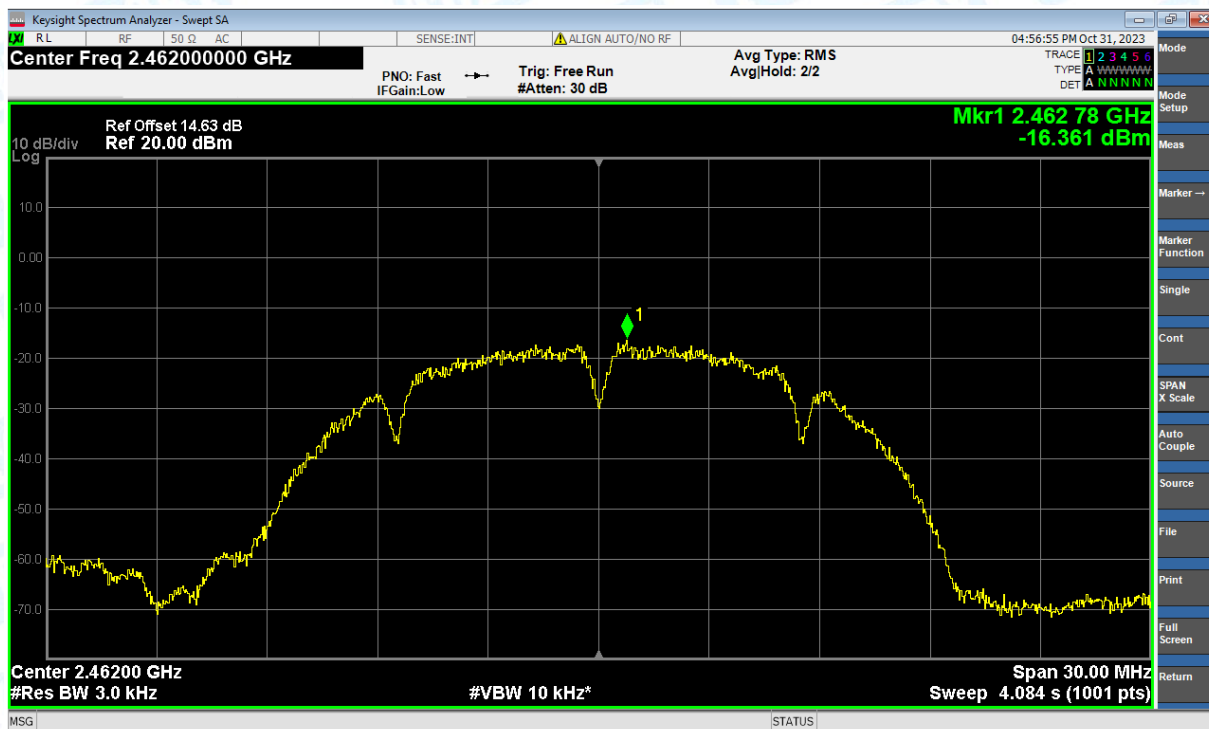
PSD NVNT b 2412MHz Ant2



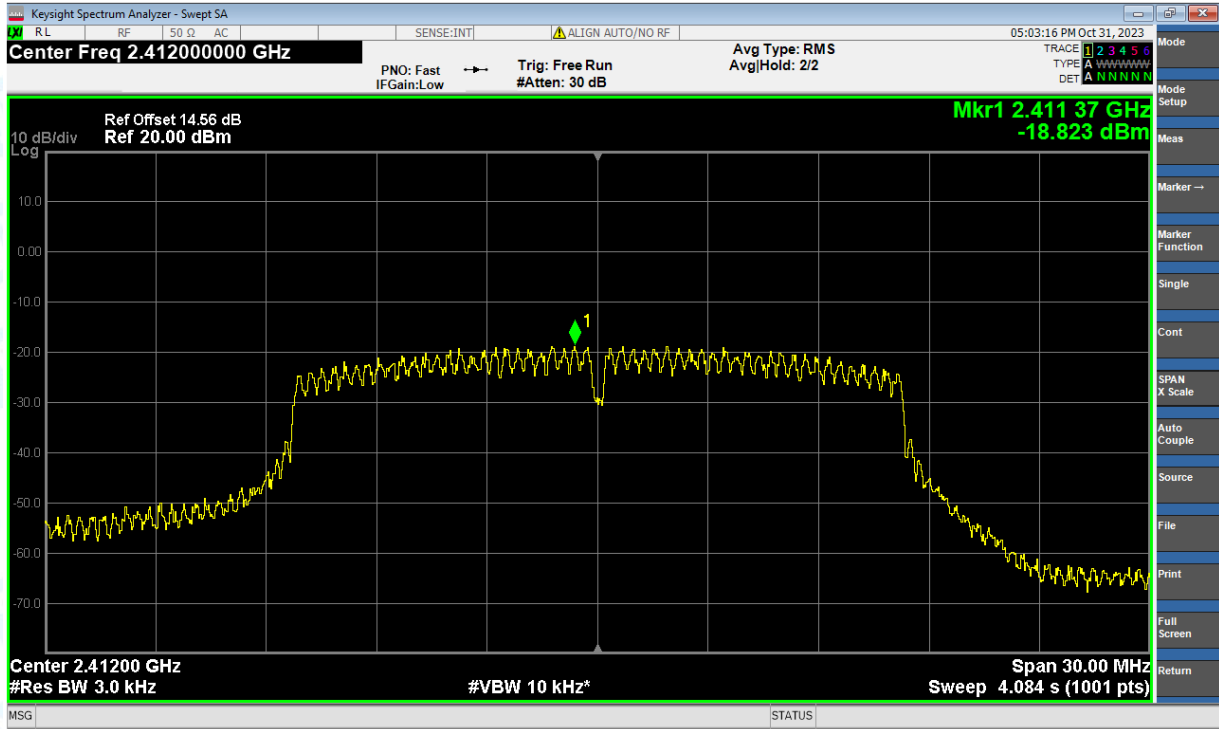
PSD NVNT b 2437MHz Ant2



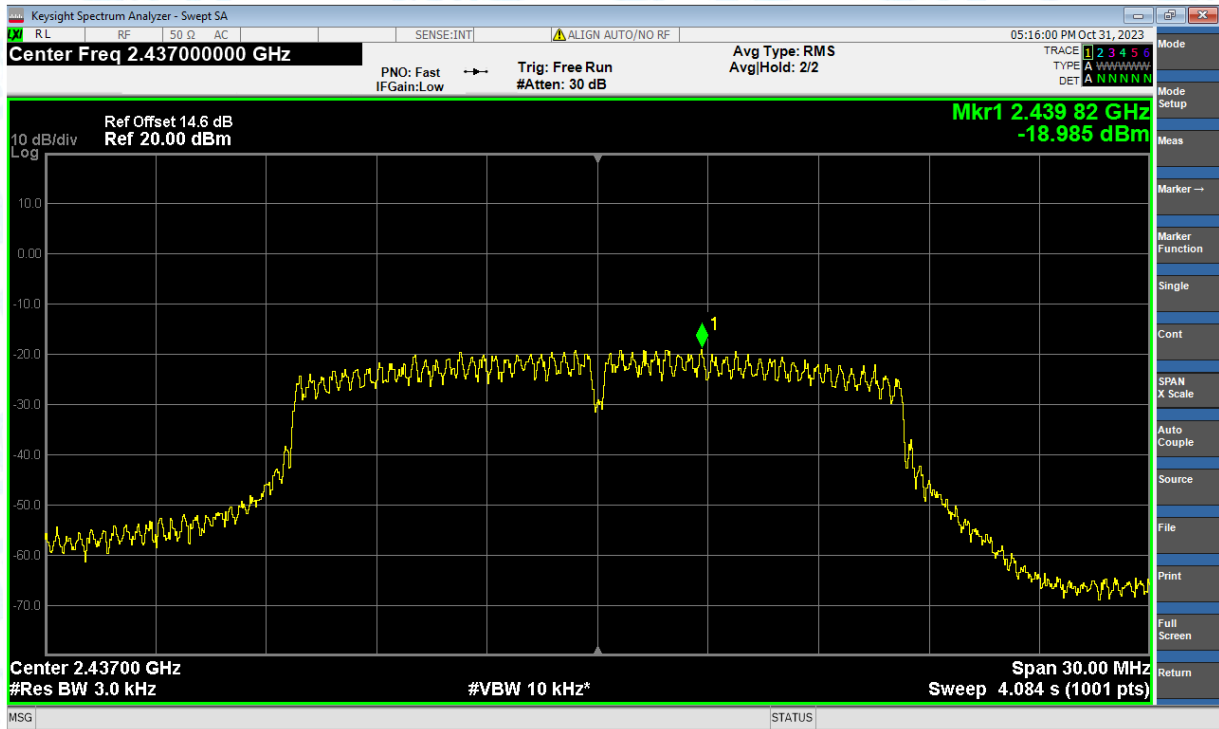
PSD NVNT b 2462MHz Ant2



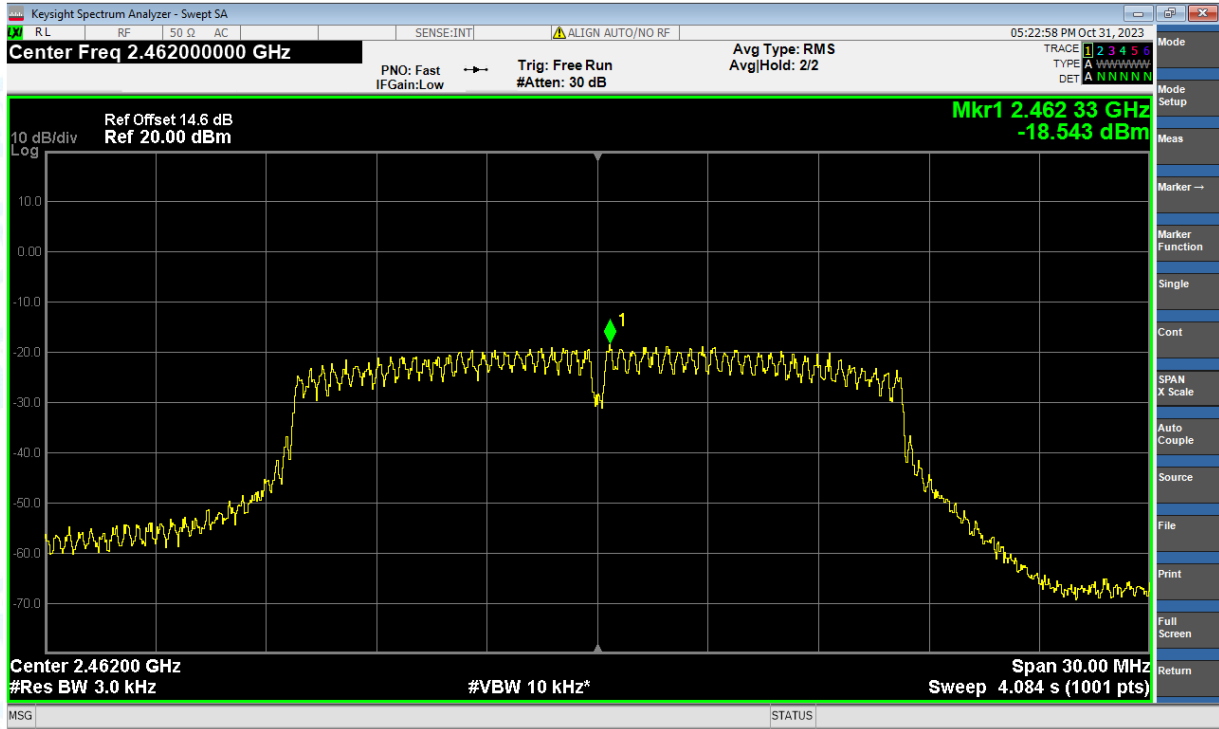
PSD NVNT g 2412MHz Ant1



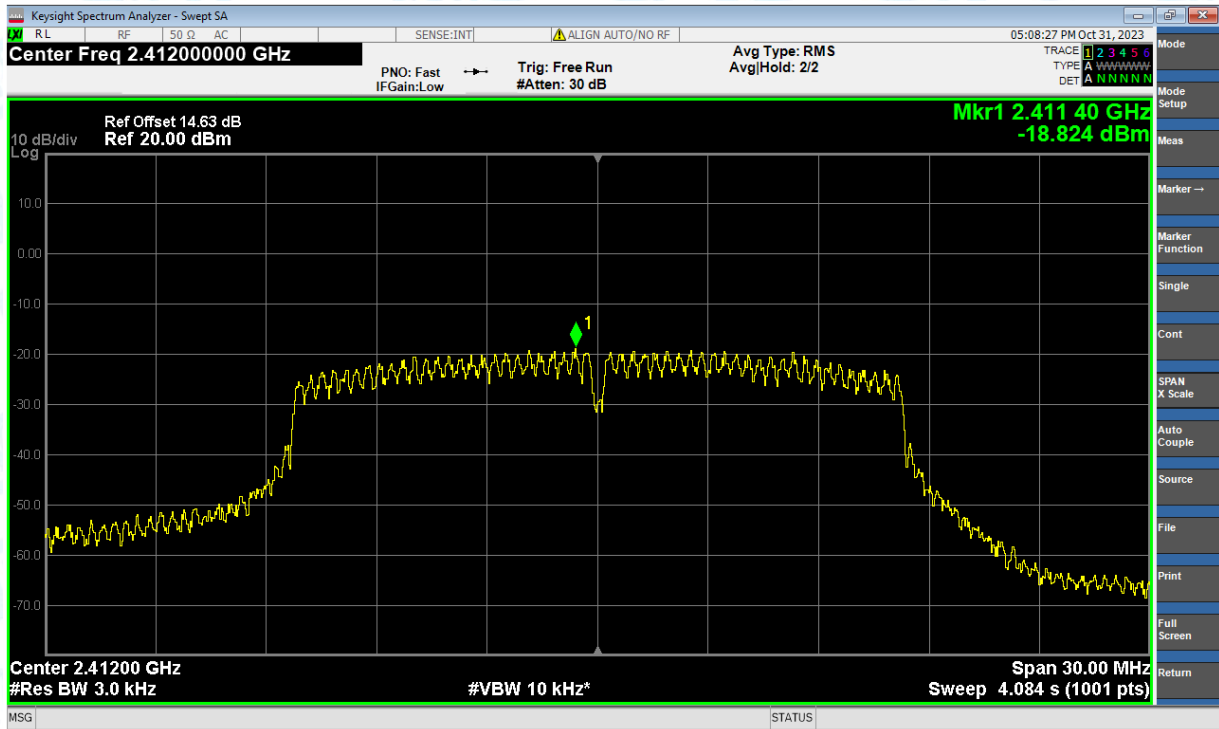
PSD NVNT g 2437MHz Ant1



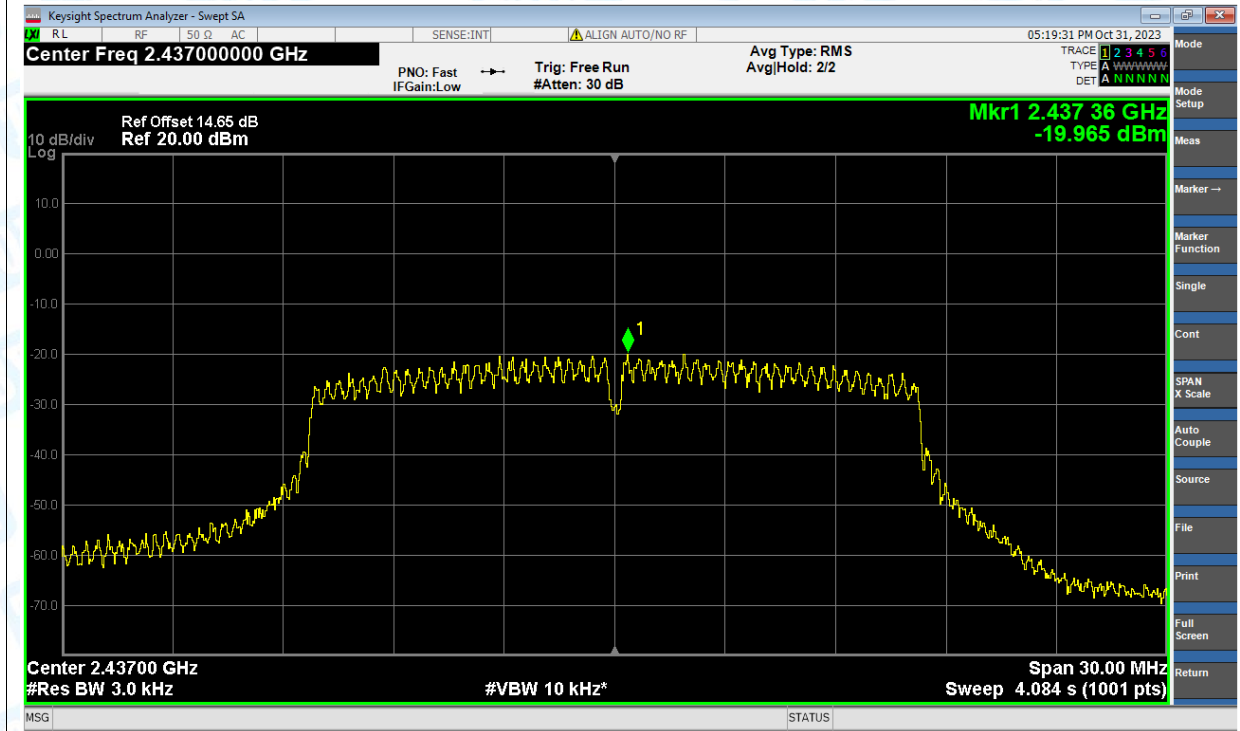
PSD NVNT g 2462MHz Ant1



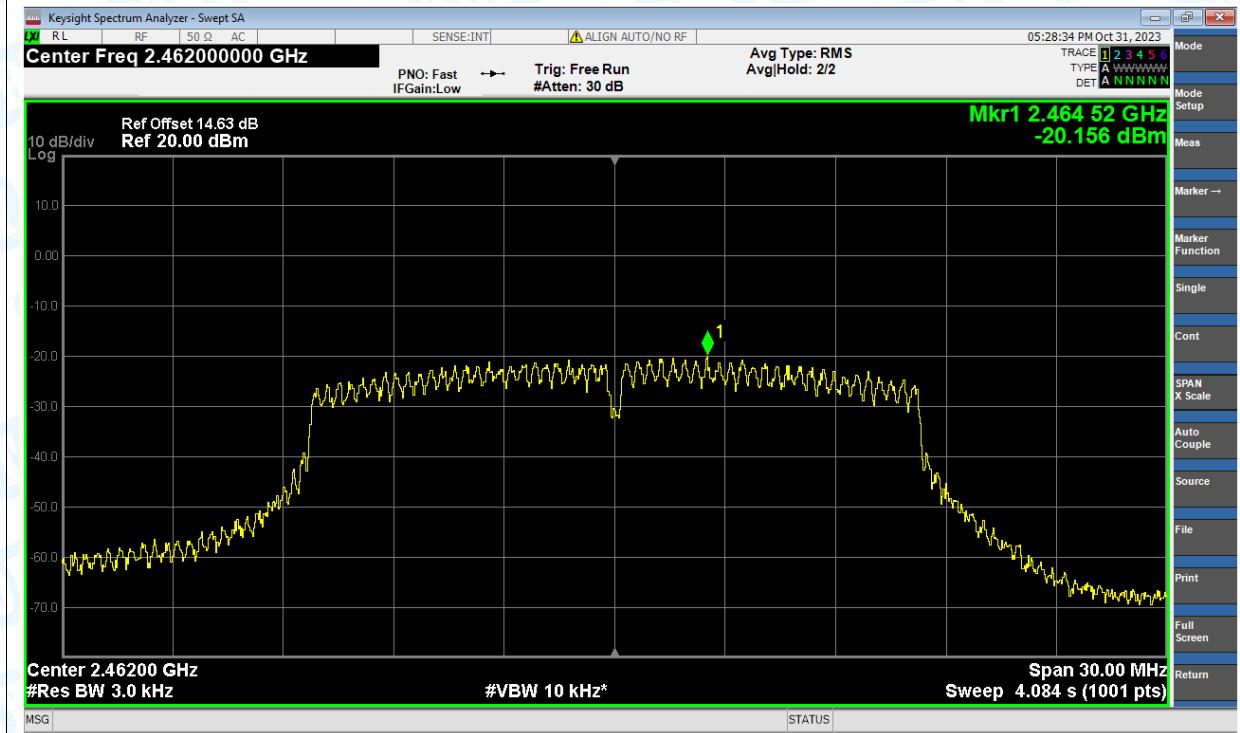
PSD NVNT g 2412MHz Ant2



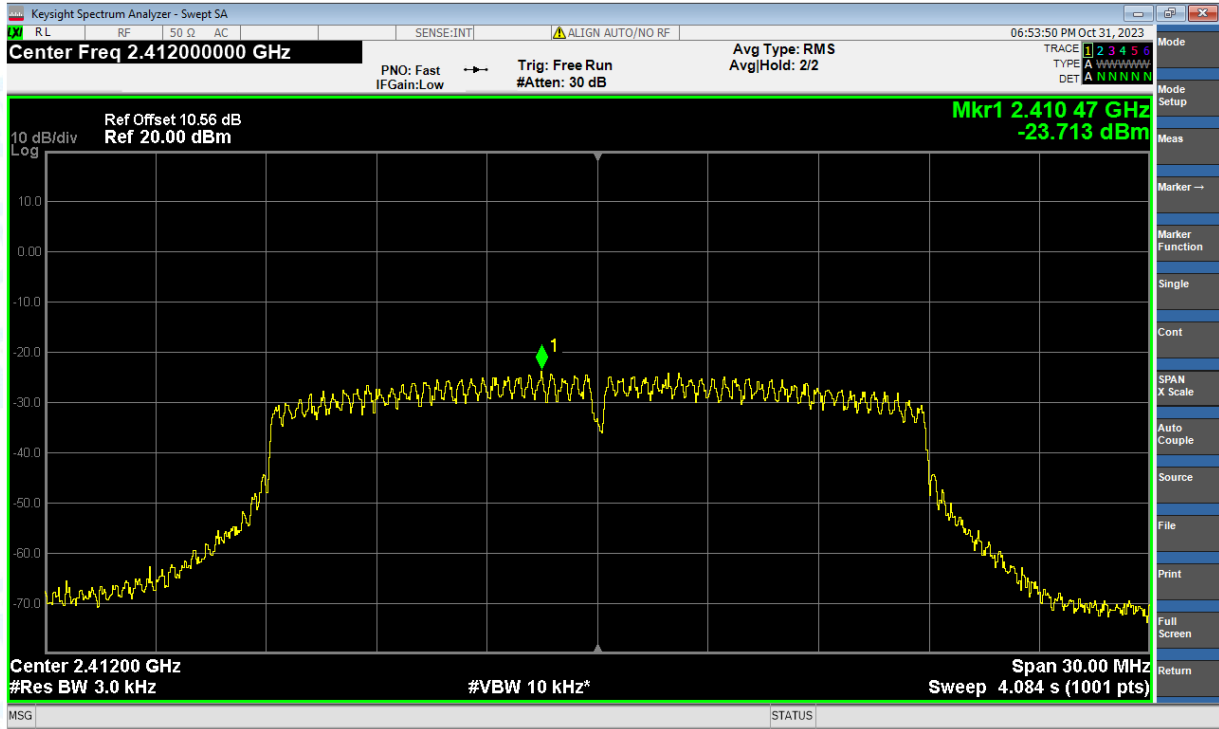
PSD NVNT g 2437MHz Ant2



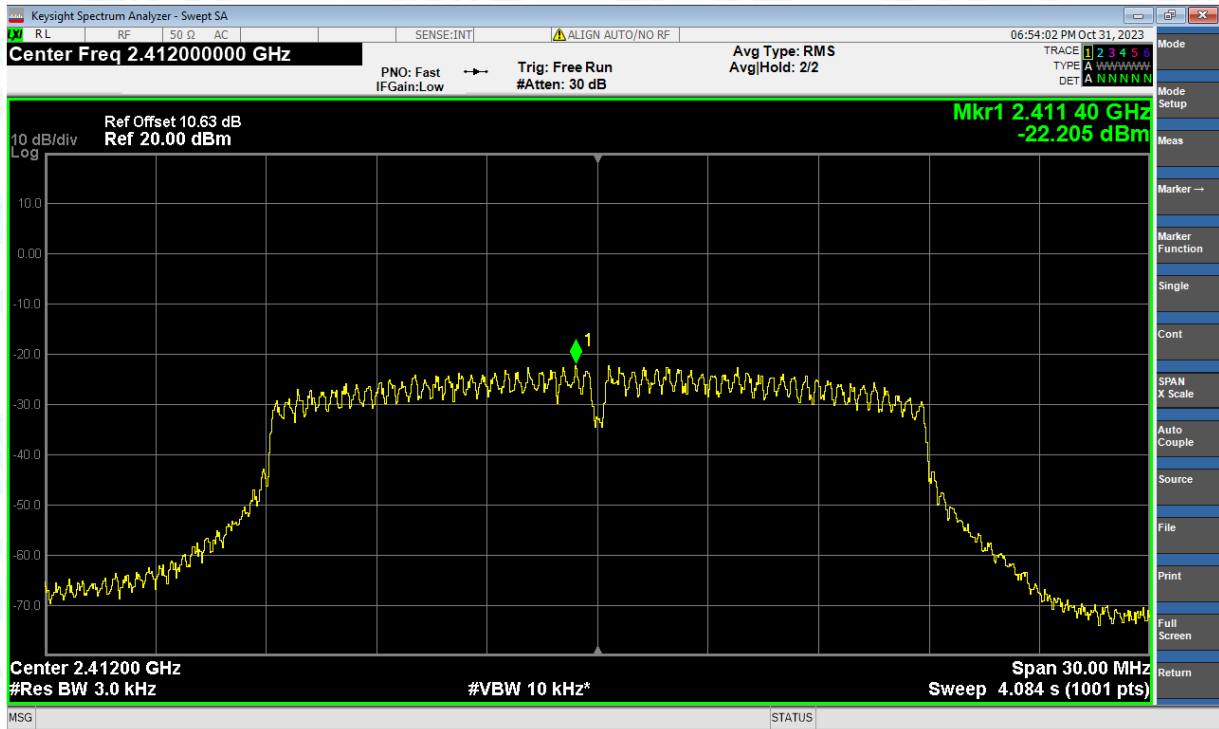
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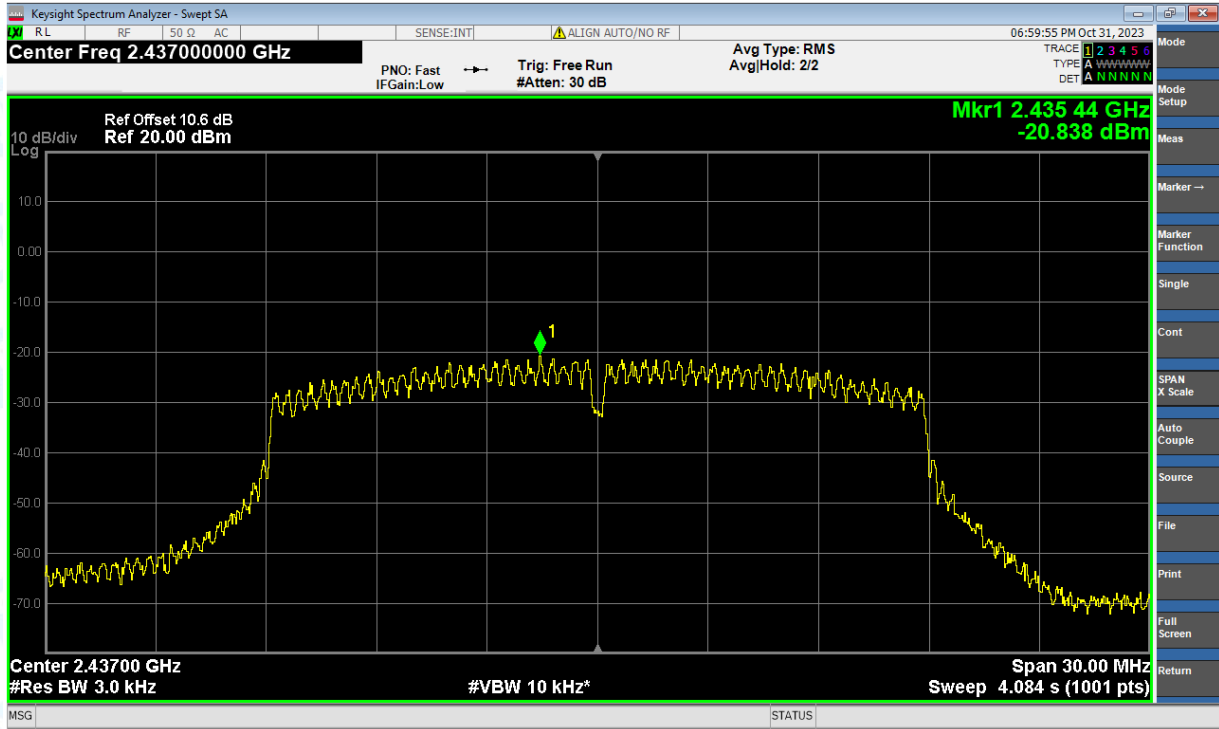
PSD NVNT n(HT20) 2412MHz Ant1



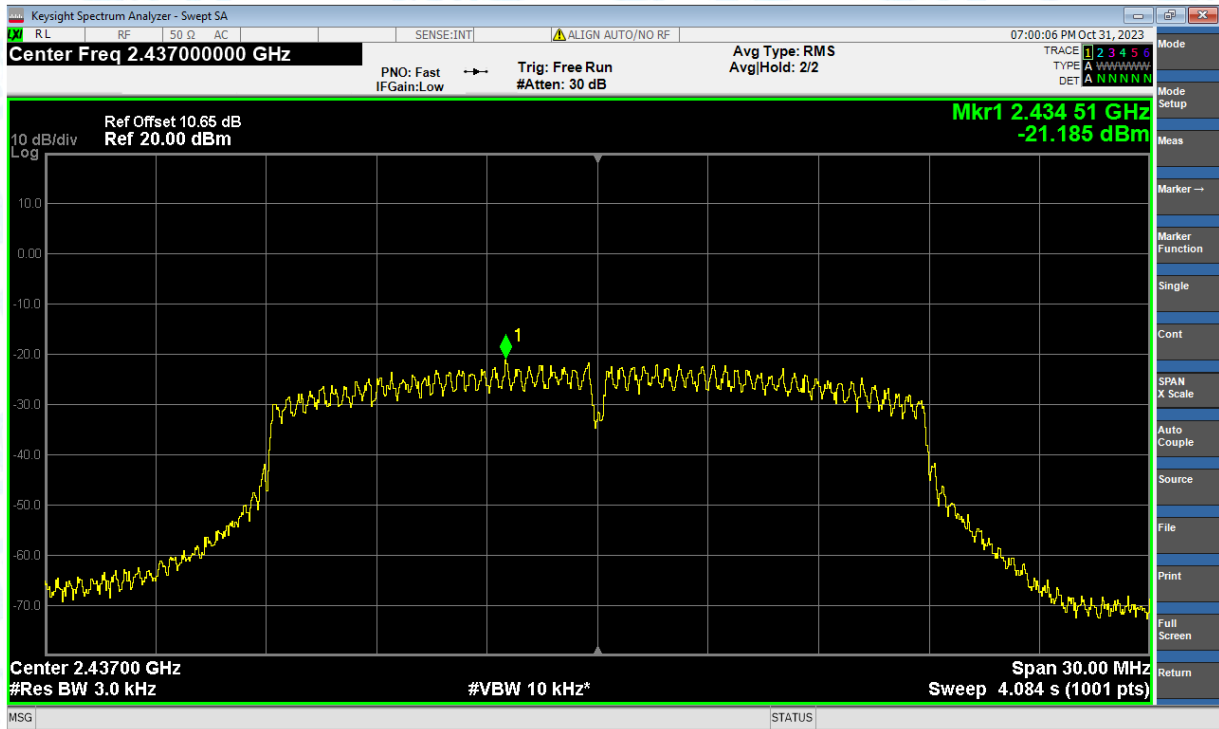
PSD NVNT n(HT20) 2412MHz Ant2



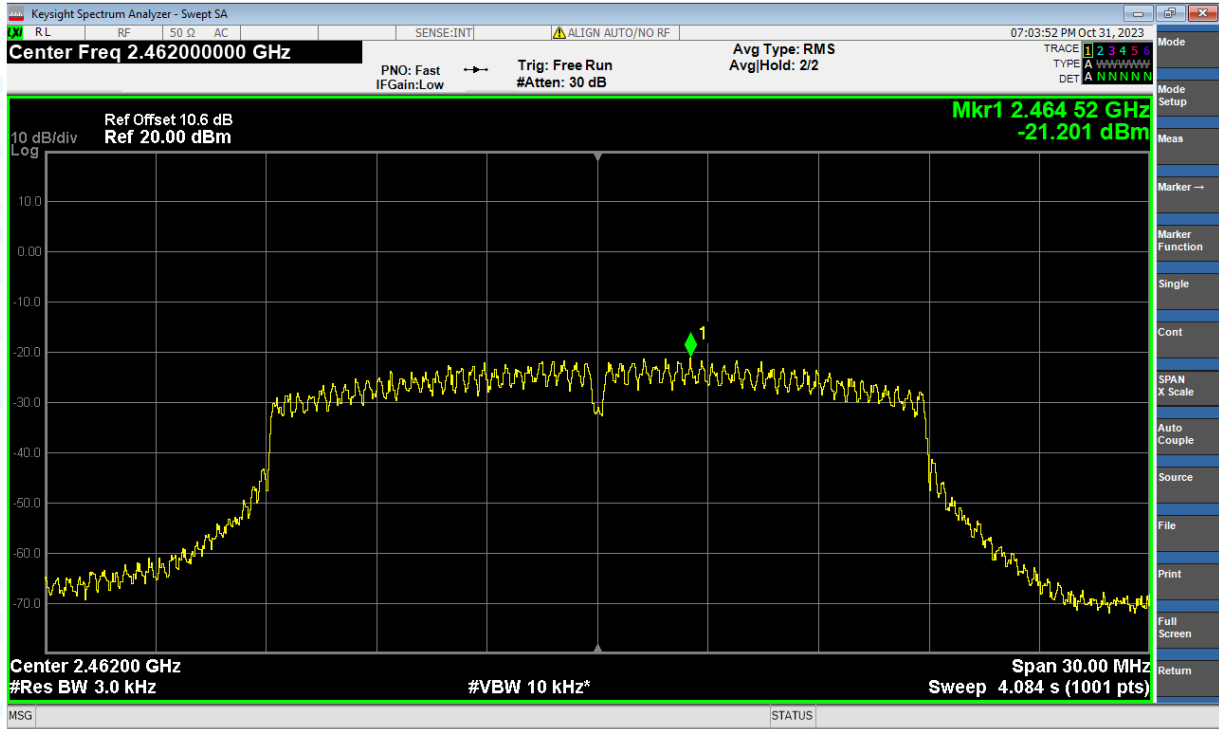
PSD NVNT n(HT20) 2437MHz Ant1



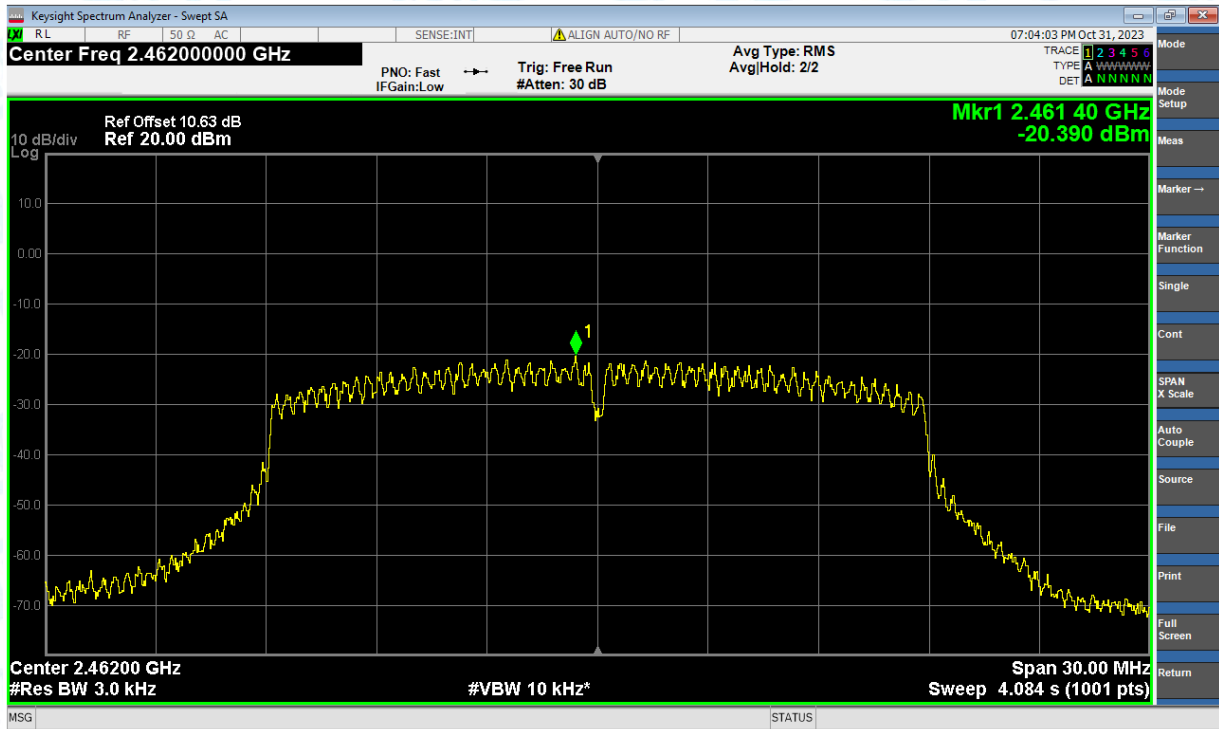
PSD NVNT n(HT20) 2437MHz Ant2



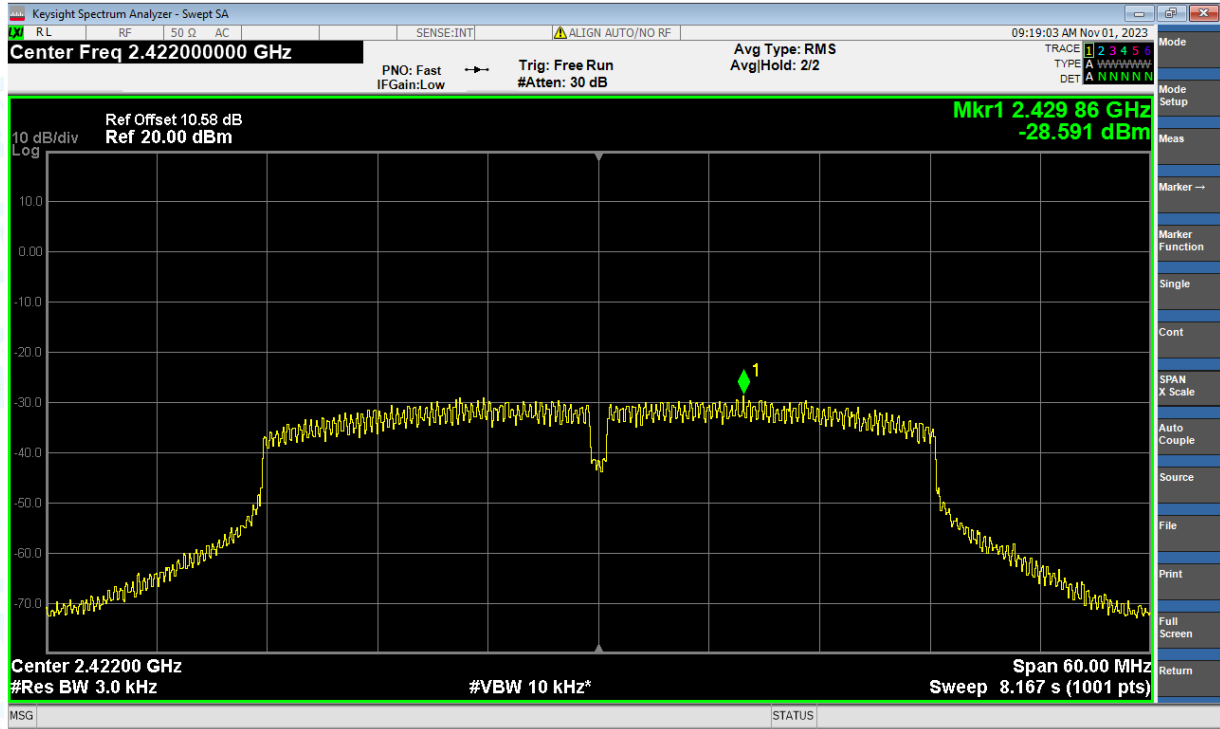
PSD NVNT n(HT20) 2462MHz Ant1



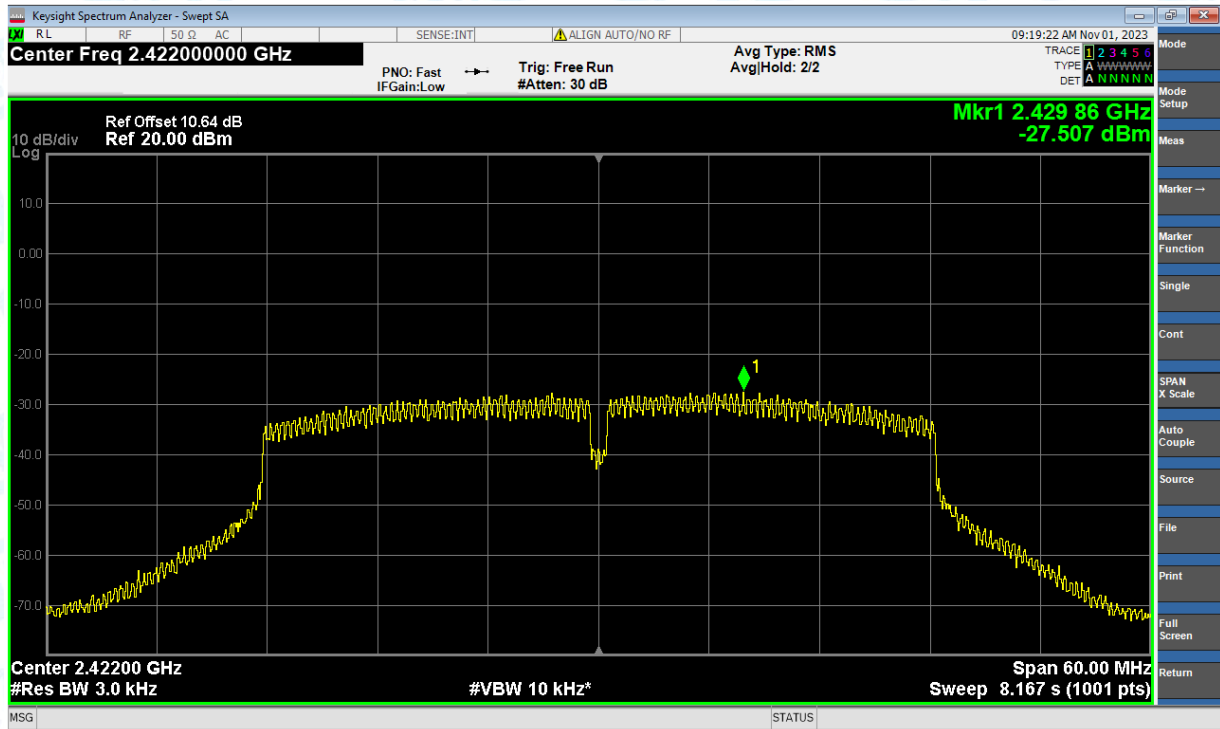
PSD NVNT n(HT20) 2462MHz Ant2



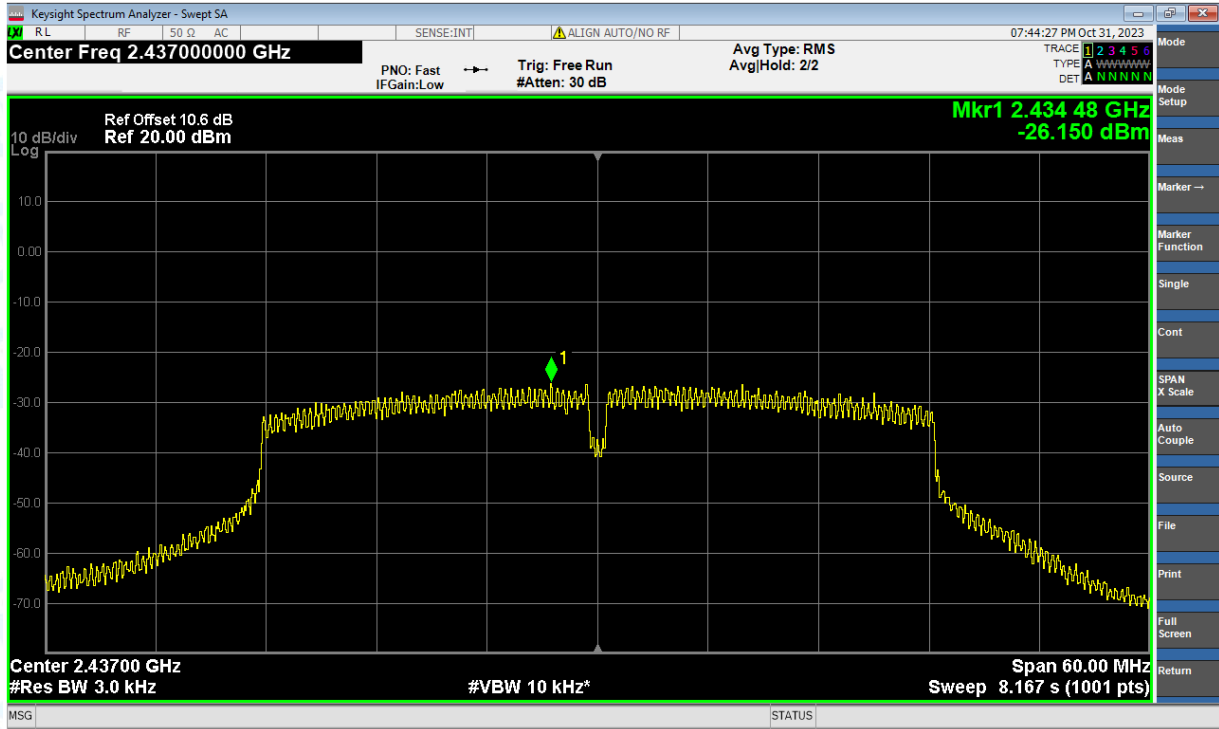
PSD NVNT n(HT40) 2422MHz Ant1



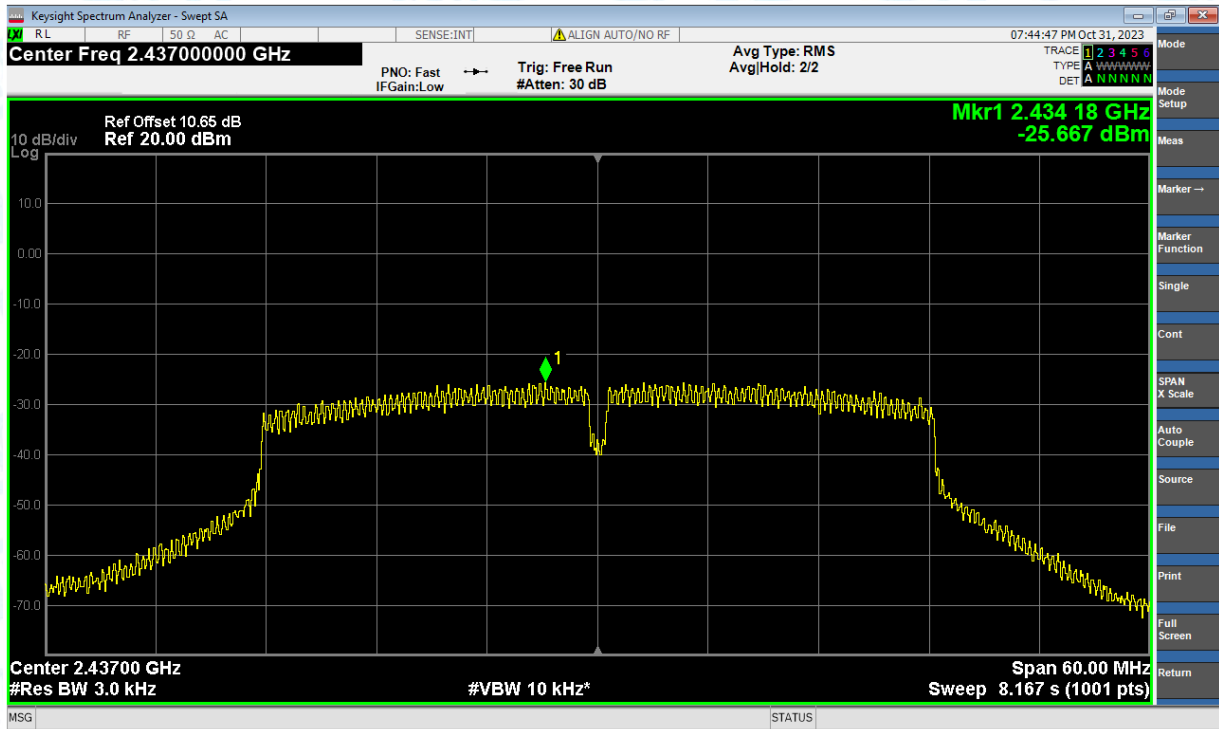
PSD NVNT n(HT40) 2422MHz Ant2



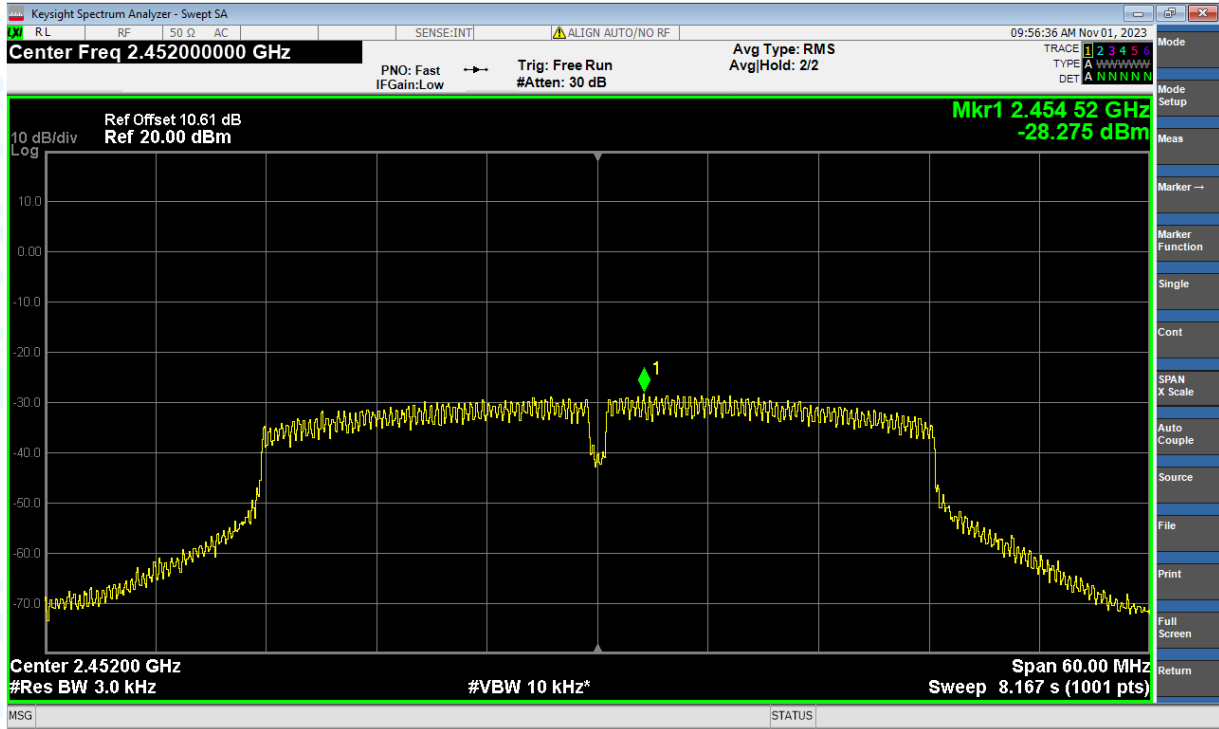
PSD NVNT n(HT40) 2437MHz Ant1



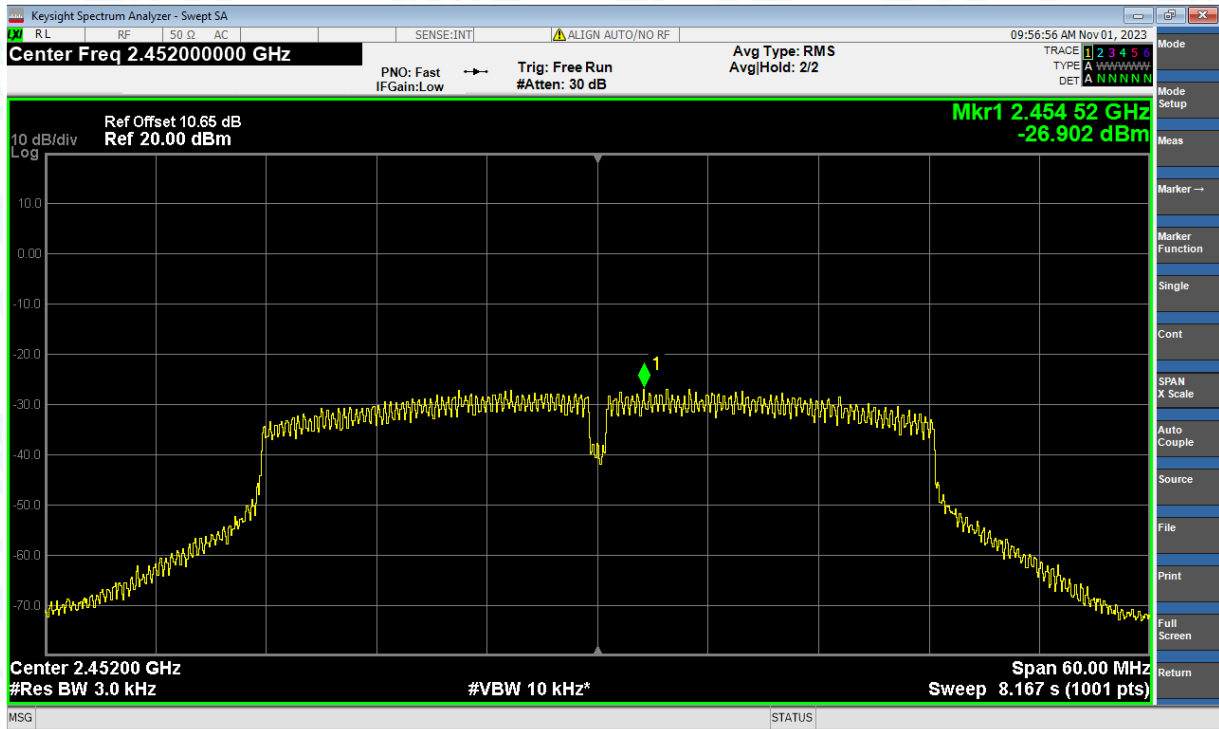
PSD NVNT n(HT40) 2437MHz Ant2



PSD NVNT n(HT40) 2452MHz Ant1



PSD NVNT n(HT40) 2452MHz Ant2



Band Edge

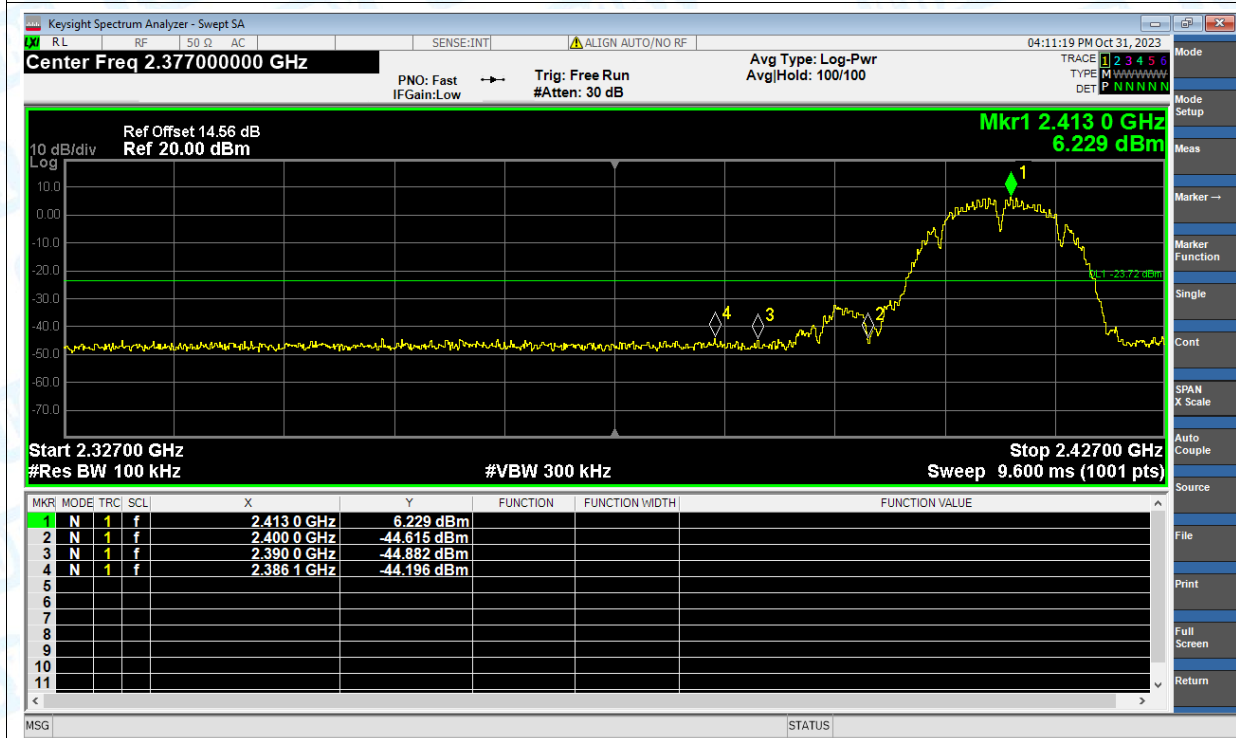
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.48	-30	Pass
NVNT	b	2462	Ant1	-49.81	-30	Pass
NVNT	b	2412	Ant2	-50.05	-30	Pass
NVNT	b	2462	Ant2	-50.26	-30	Pass
NVNT	g	2412	Ant1	-44.76	-30	Pass
NVNT	g	2462	Ant1	-48.03	-30	Pass
NVNT	g	2412	Ant2	-46.4	-30	Pass
NVNT	g	2462	Ant2	-46.1	-30	Pass
NVNT	n(HT20)	2412	Ant1	-46.6	-30	Pass
NVNT	n(HT20)	2412	Ant2	-49.26	-30	Pass
NVNT	n(HT20)	2462	Ant1	-49.28	-30	Pass
NVNT	n(HT20)	2462	Ant2	-49.17	-30	Pass
NVNT	n(HT40)	2422	Ant1	-39.98	-30	Pass
NVNT	n(HT40)	2422	Ant2	-39.41	-30	Pass
NVNT	n(HT40)	2452	Ant1	-39.42	-30	Pass
NVNT	n(HT40)	2452	Ant2	-41.05	-30	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



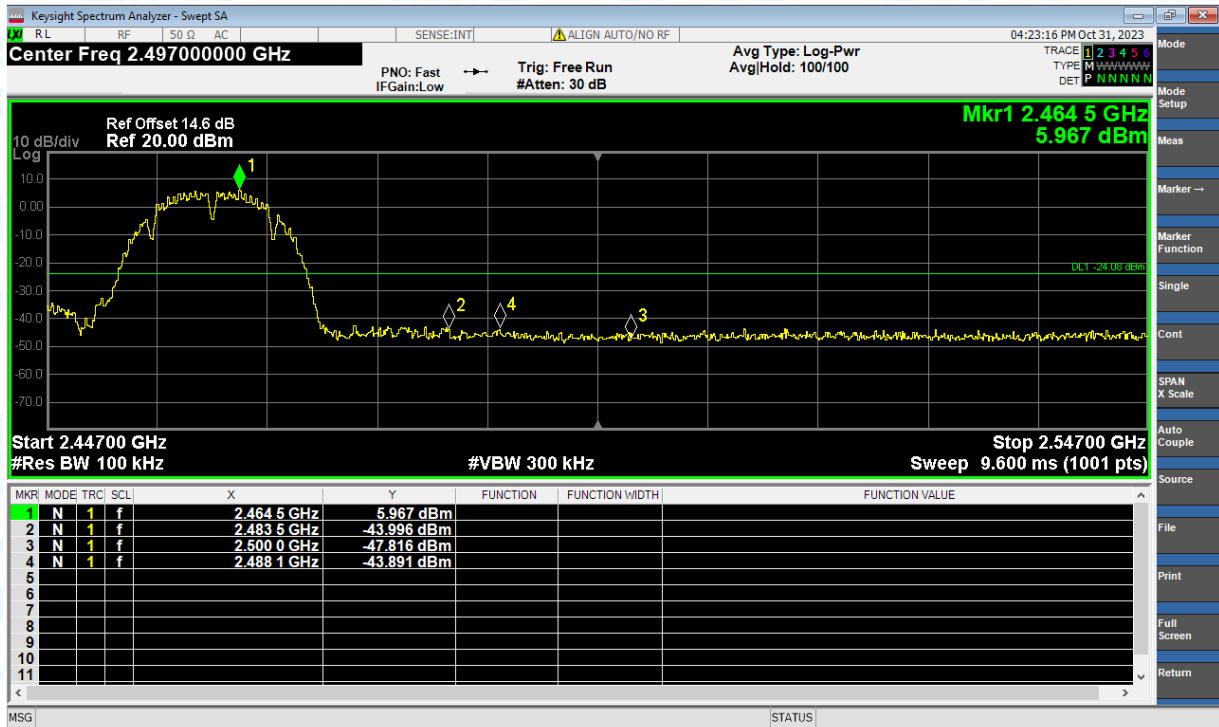
Band Edge NVNT b 2412MHz Ant1 Emission



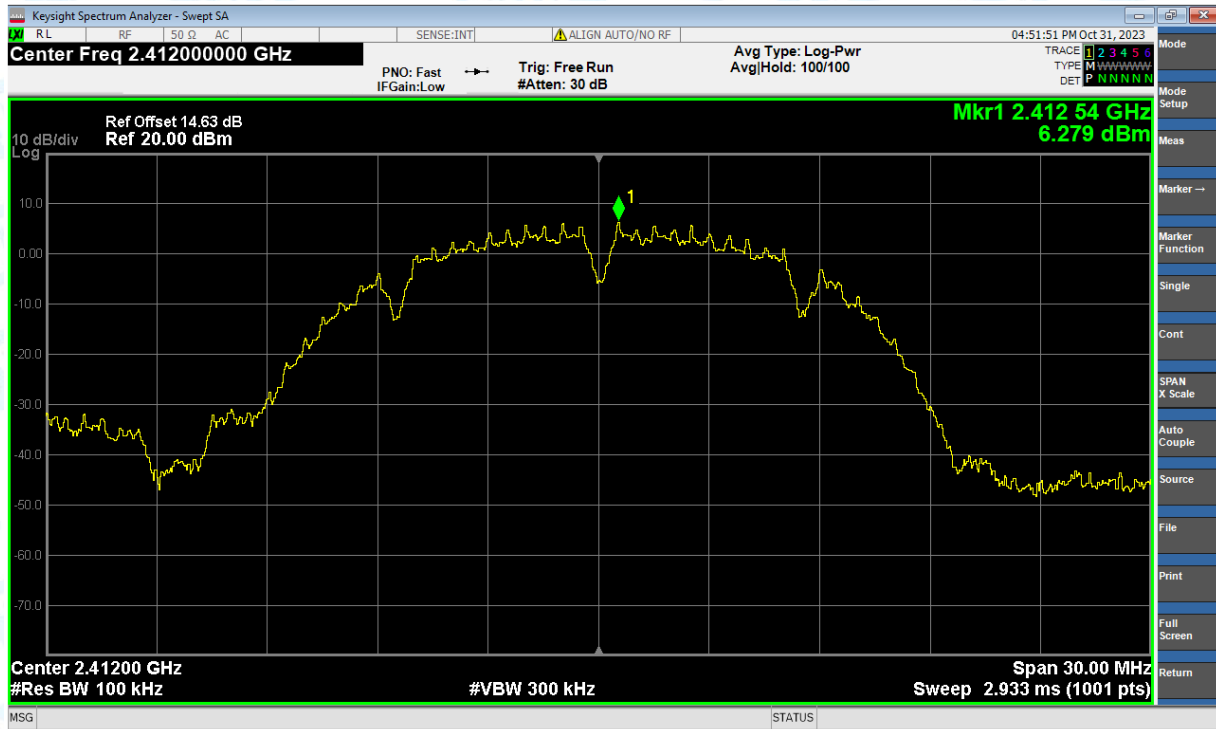
Band Edge NVNT b 2462MHz Ant1 Ref



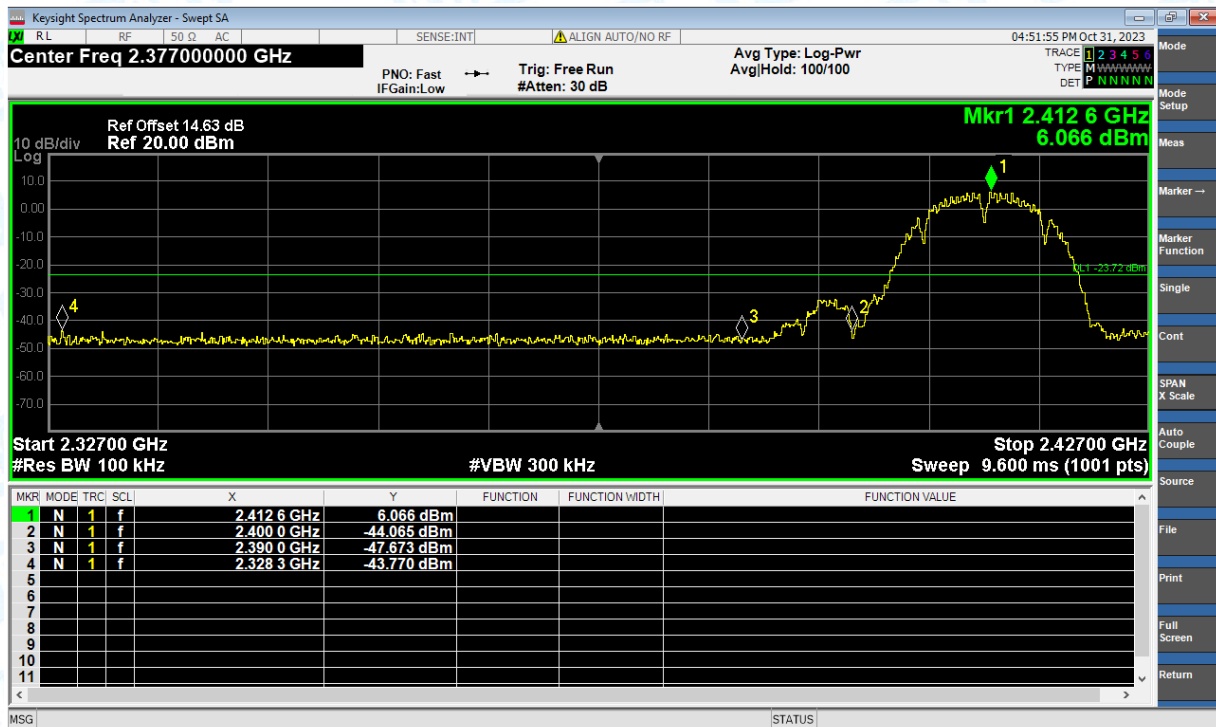
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT b 2412MHz Ant2 Ref



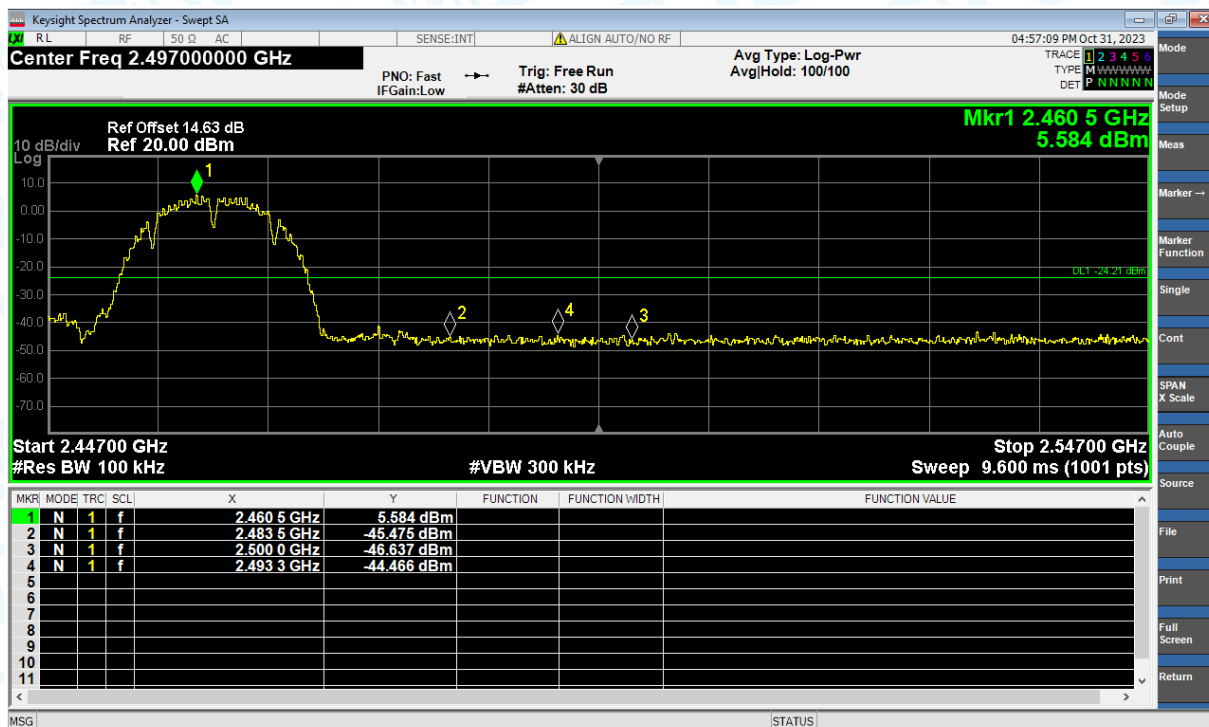
Band Edge NVNT b 2412MHz Ant2 Emission



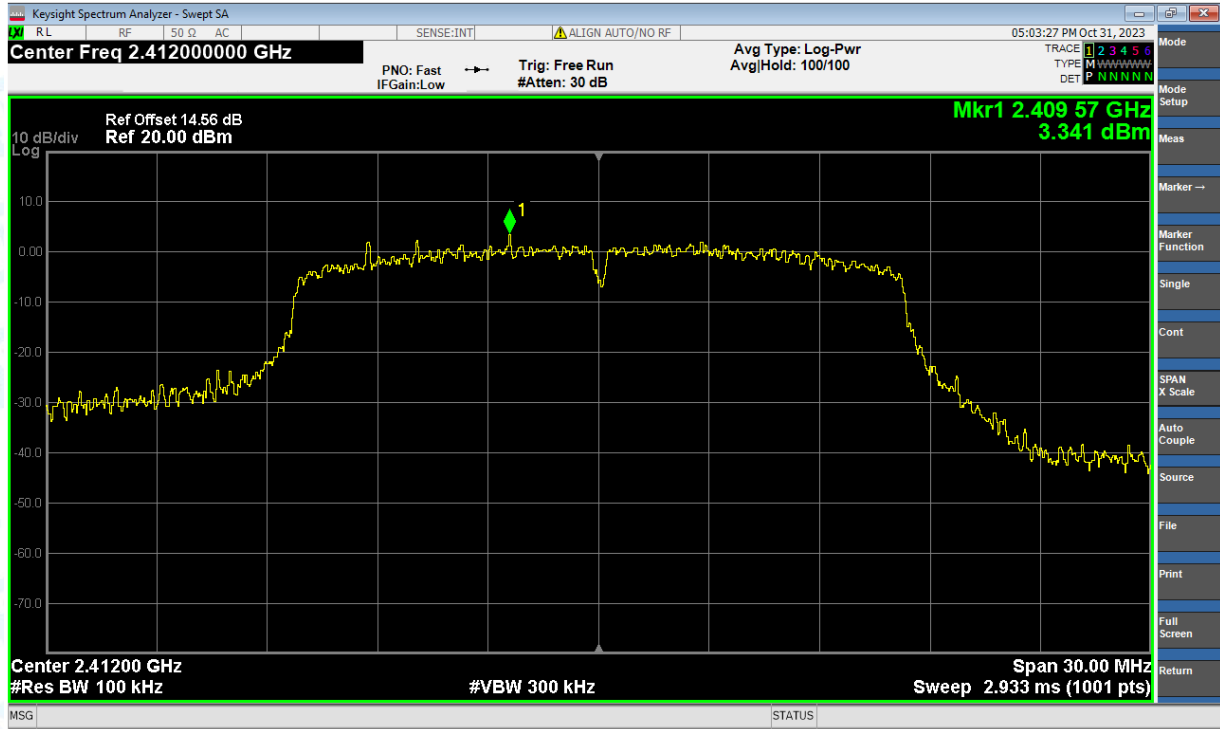
Band Edge NVNT b 2462MHz Ant2 Ref



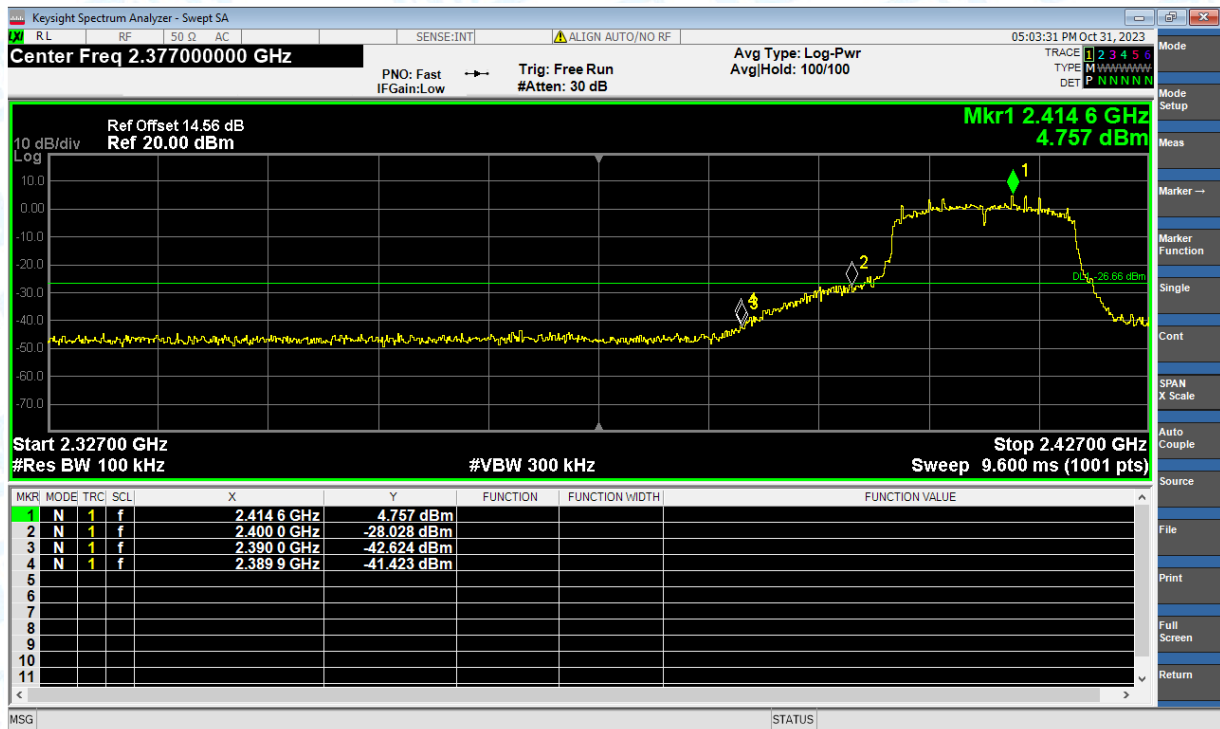
Band Edge NVNT b 2462MHz Ant2 Emission



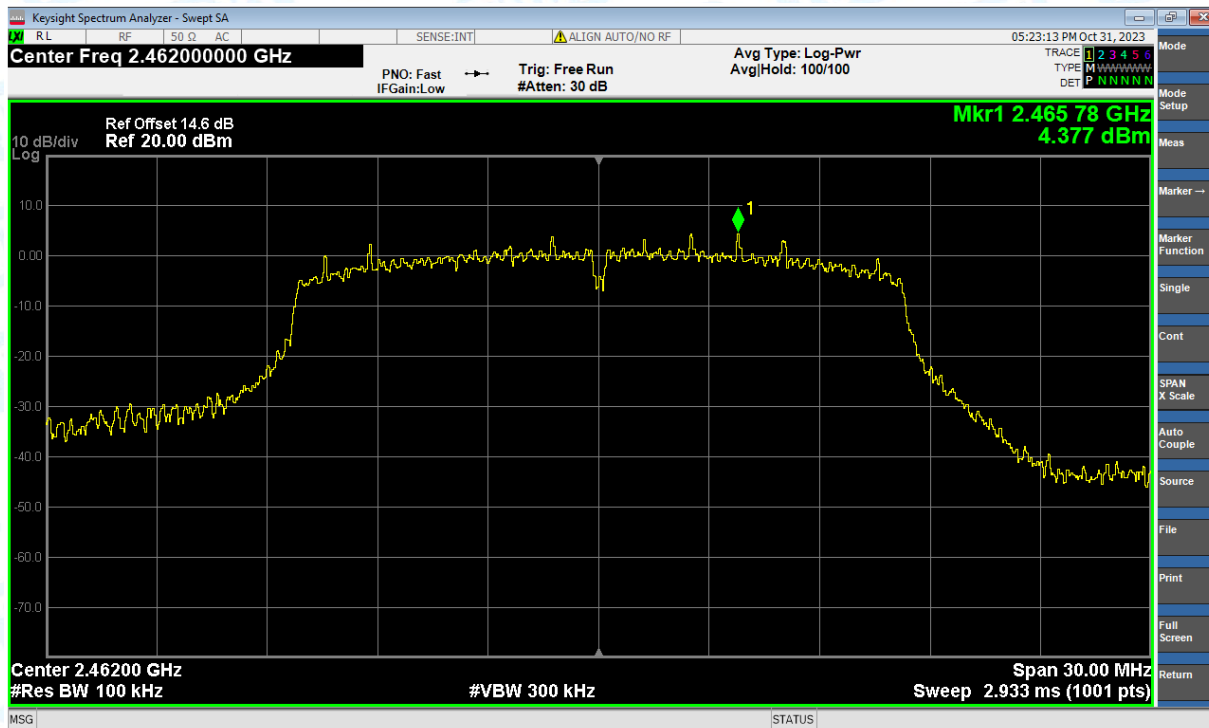
Band Edge NVNT g 2412MHz Ant1 Ref



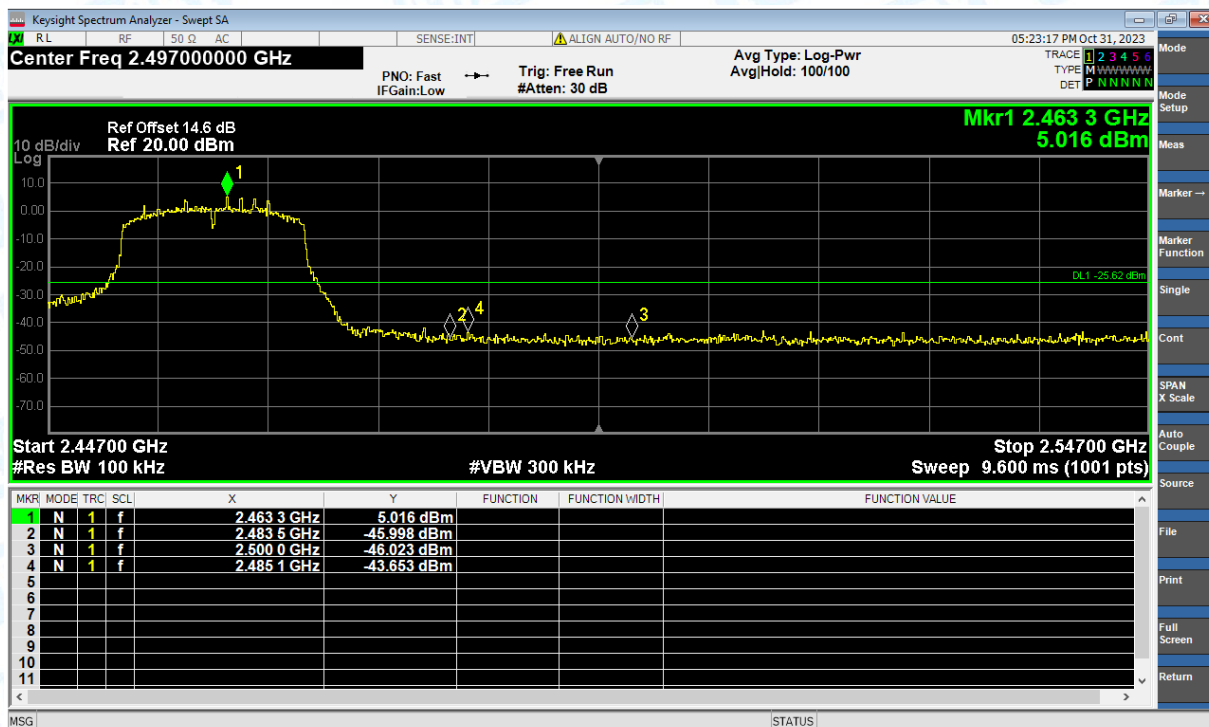
Band Edge NVNT g 2412MHz Ant1 Emission



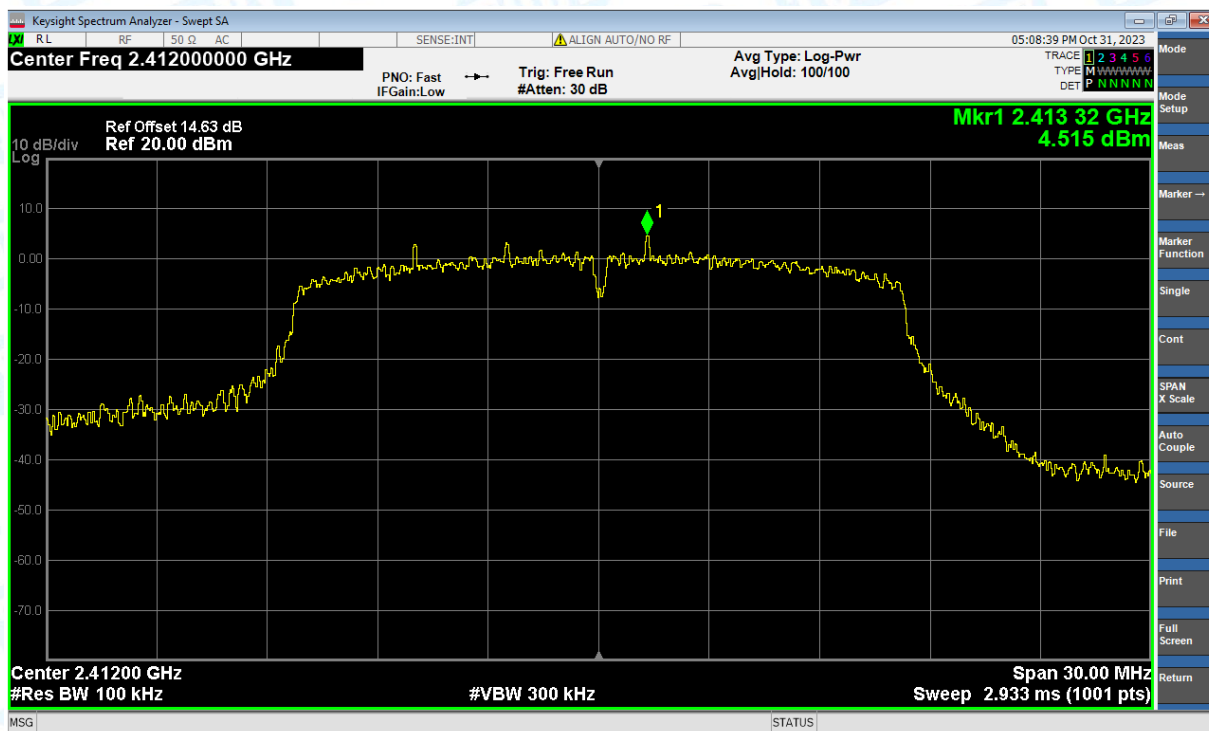
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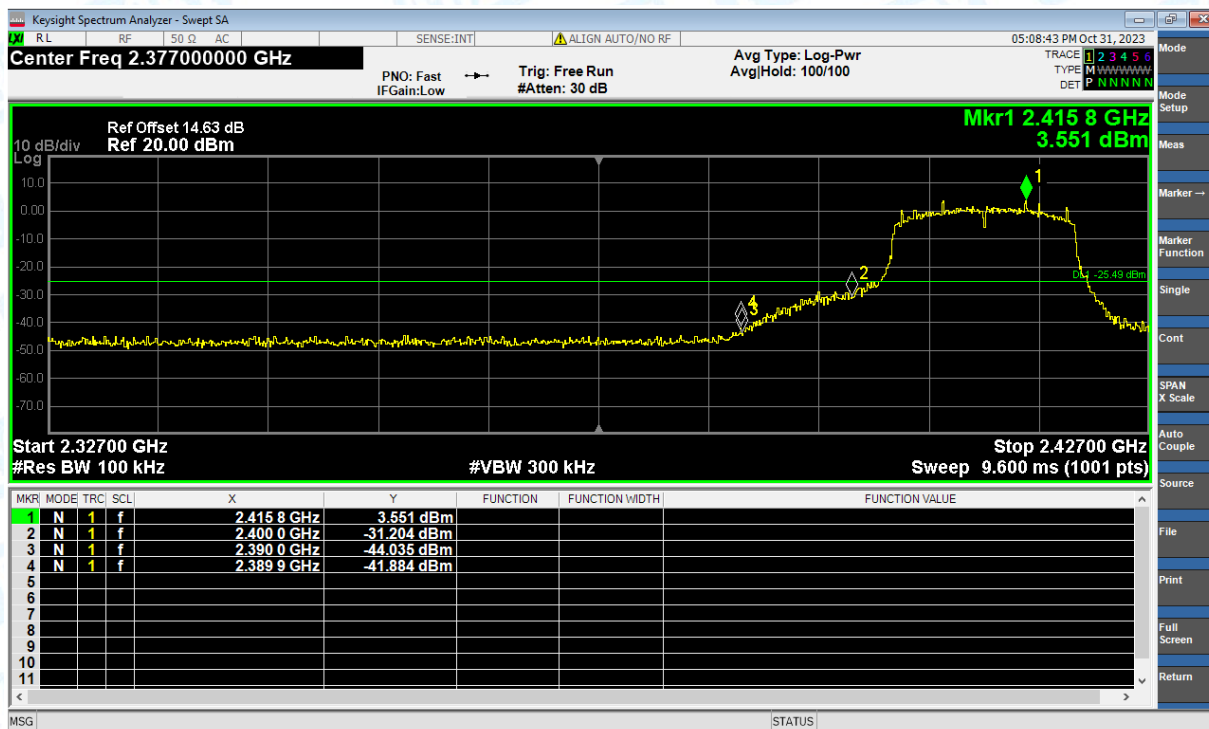
Band Edge NVNT g 2462MHz Ant1 Emission



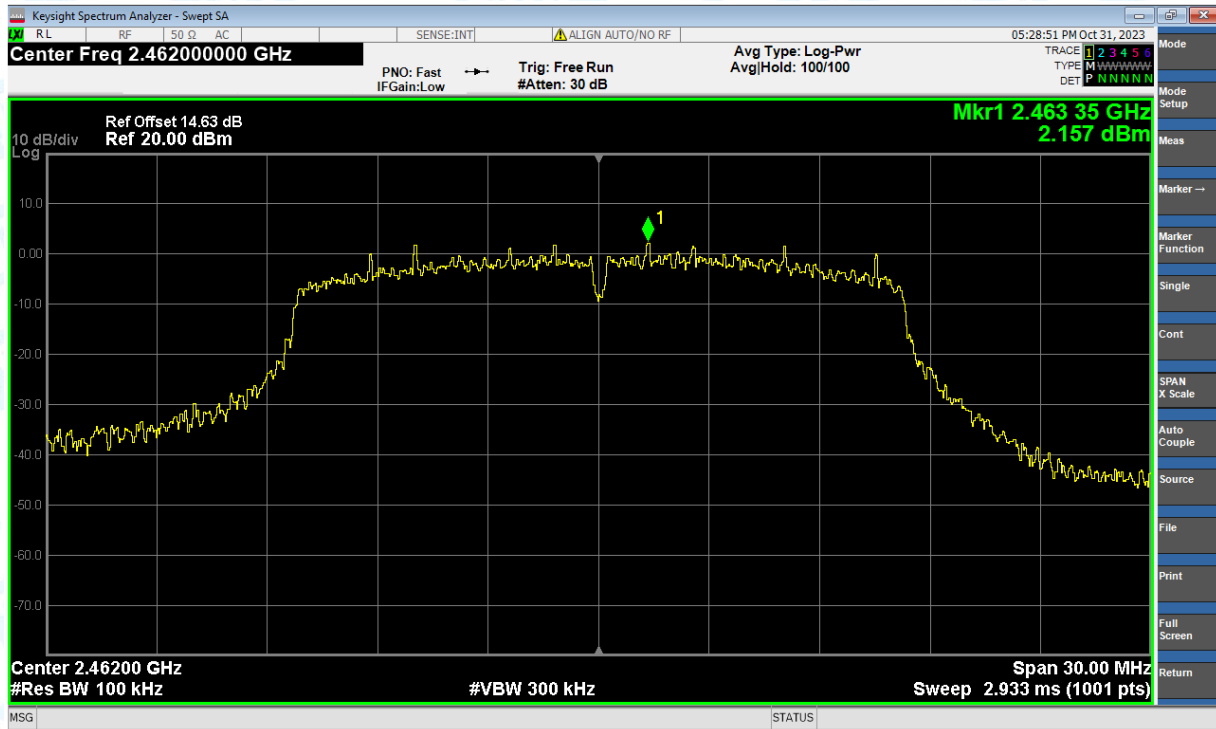
Band Edge NVNT g 2412MHz Ant2 Ref



Band Edge NVNT g 2412MHz Ant2 Emission



Band Edge NVNT g 2462MHz Ant2 Ref



Band Edge NVNT g 2462MHz Ant2 Emission

