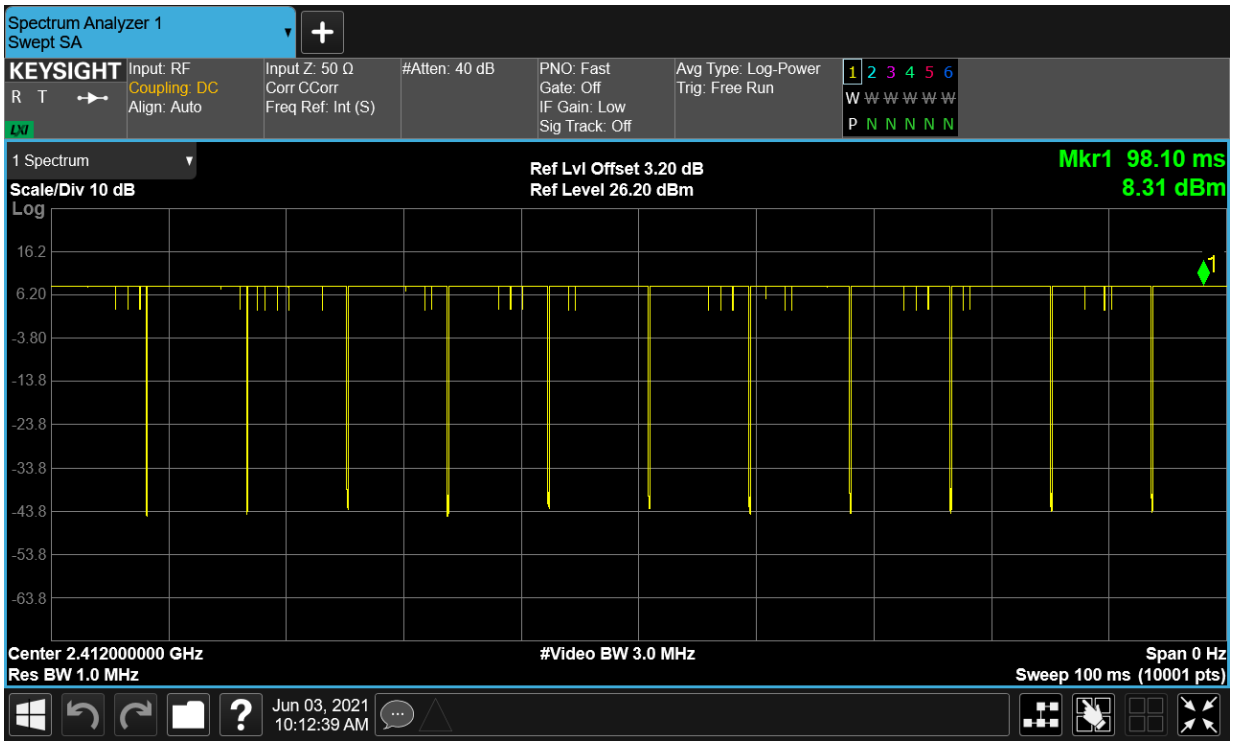
Test Data

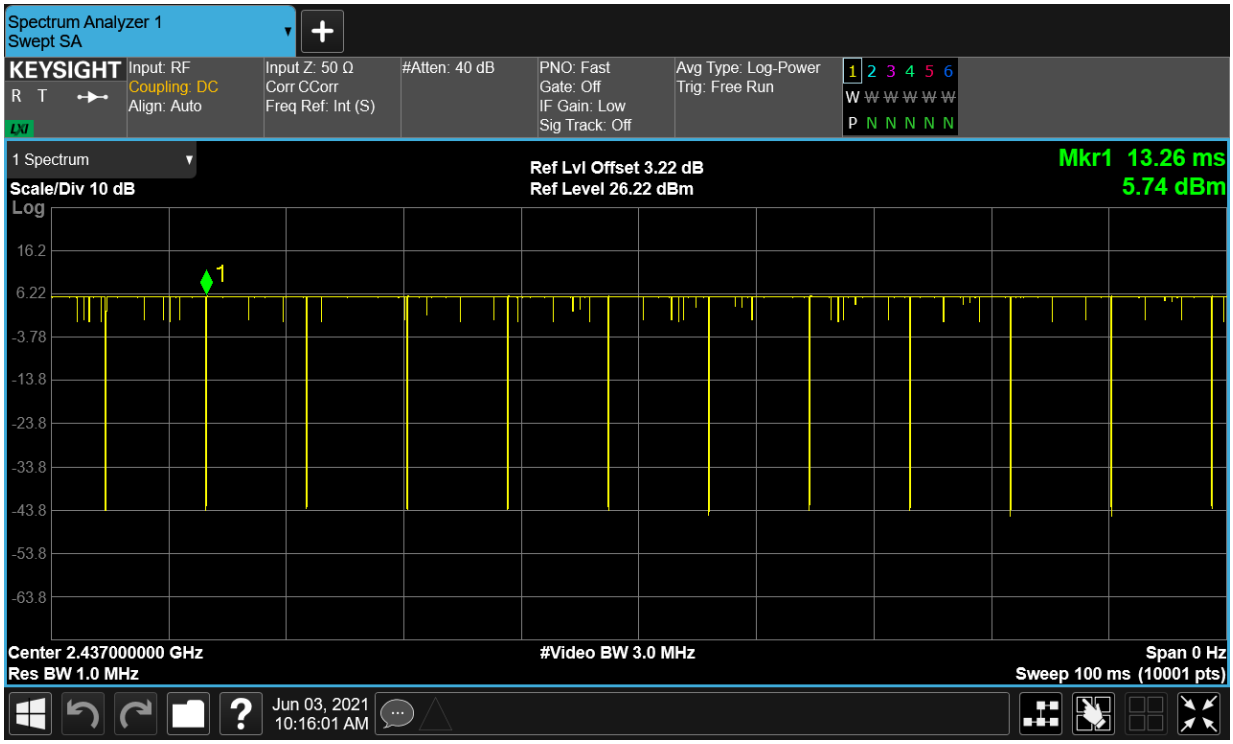
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	98.75	0.05
NVNT	b	2437	Ant1	98.64	0.06
NVNT	b	2462	Ant1	98.72	0.06
NVNT	g	2412	Ant1	91.33	0.39
NVNT	g	2437	Ant1	91.55	0.38
NVNT	g	2462	Ant1	91.55	0.38
NVNT	n20	2412	Ant1	89.87	0.46
NVNT	n20	2437	Ant1	89.74	0.47
NVNT	n20	2462	Ant1	90.12	0.45
NVNT	n40	2422	Ant1	80.82	0.92
NVNT	n40	2437	Ant1	82.19	0.85
NVNT	n40	2452	Ant1	82.19	0.85

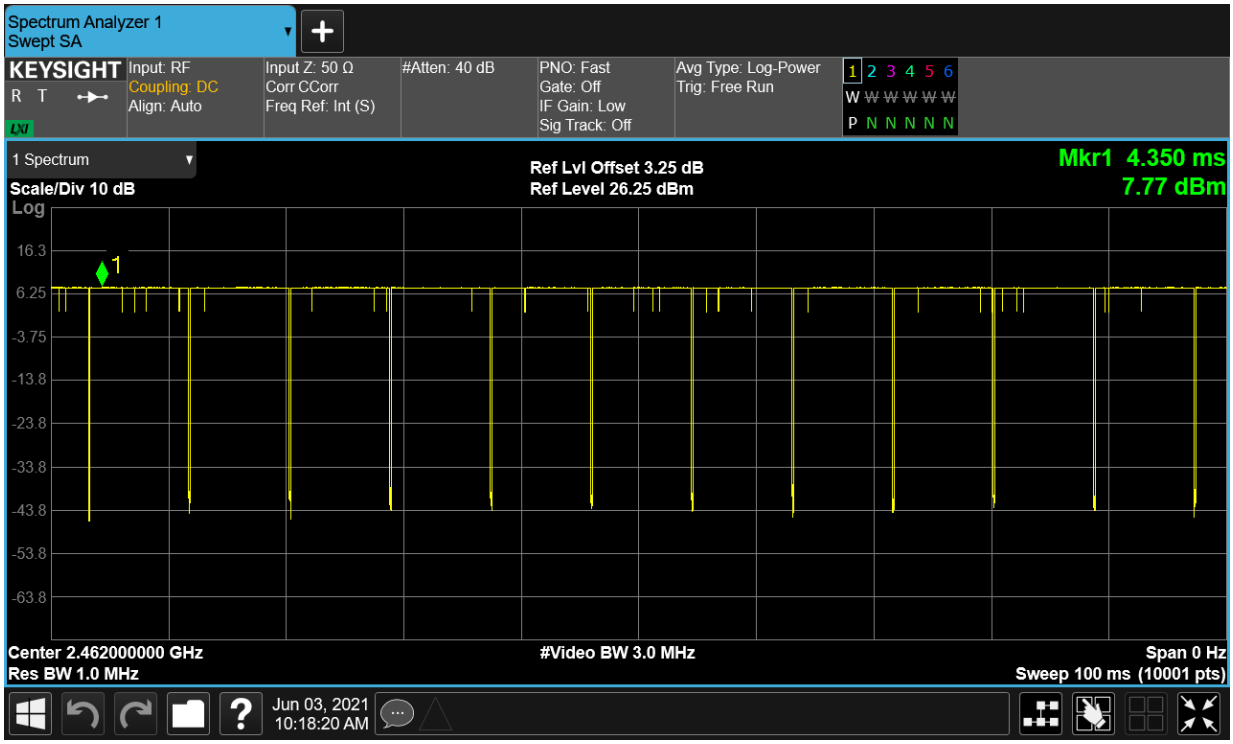
Duty Cycle NVNT b 2412MHz Ant1



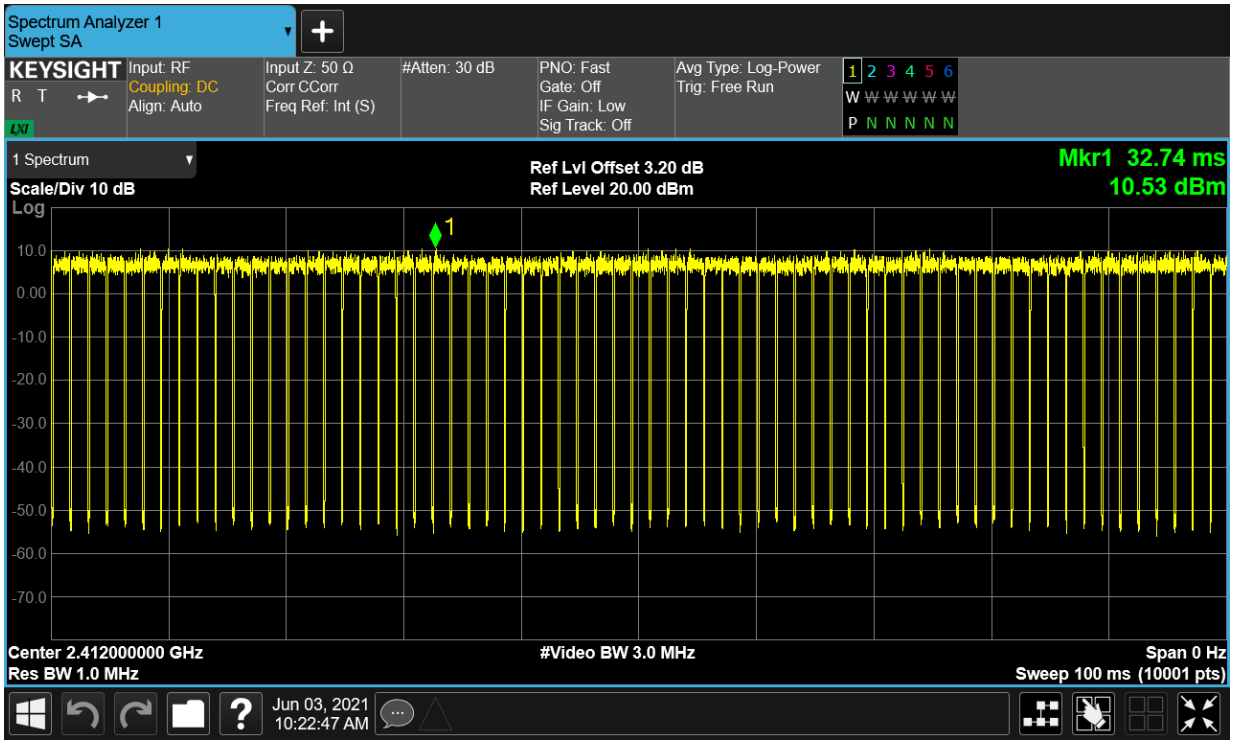
Duty Cycle NVNT b 2437MHz Ant1



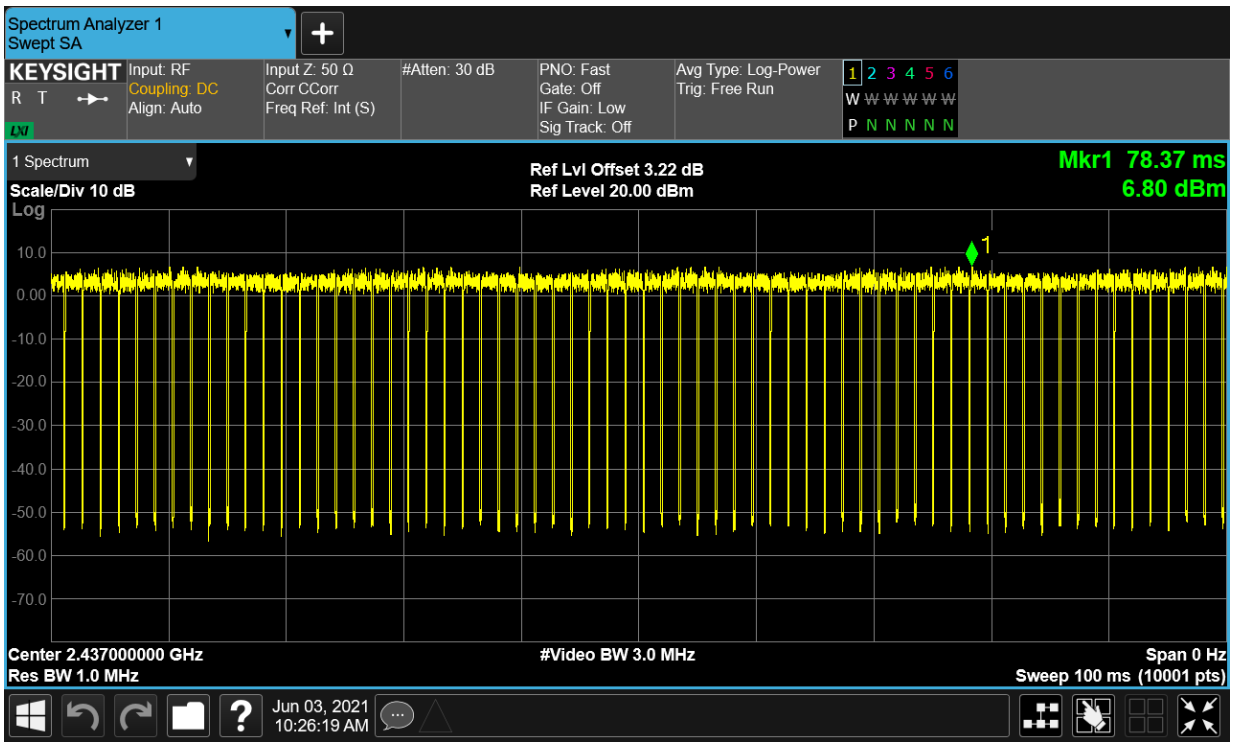
Duty Cycle NVNT b 2462MHz Ant1



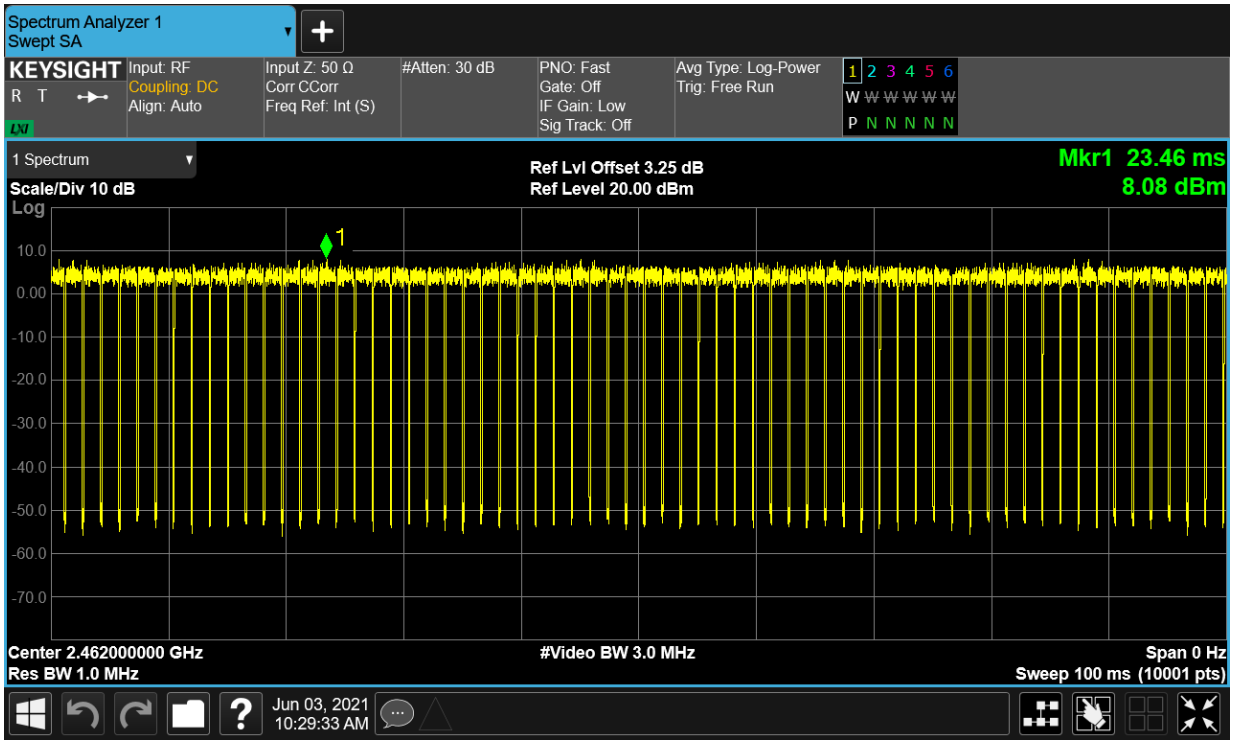
Duty Cycle NVNT g 2412MHz Ant1



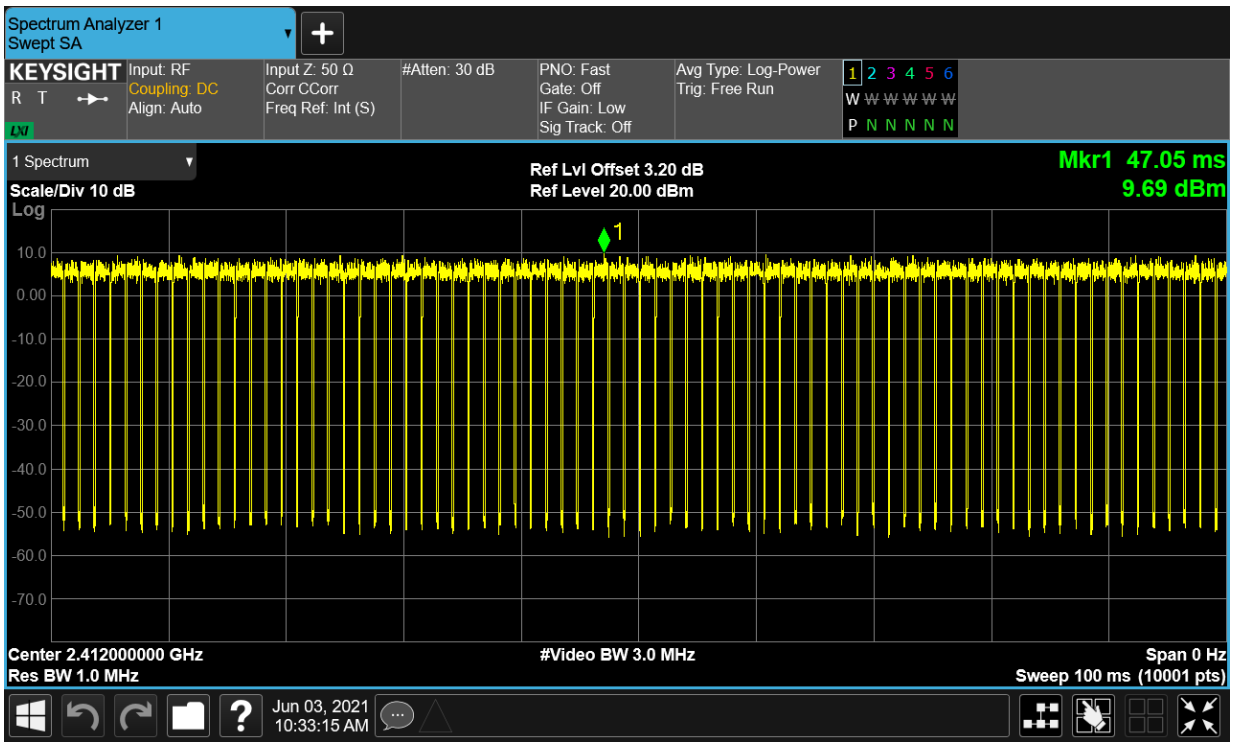
Duty Cycle NVNT g 2437MHz Ant1



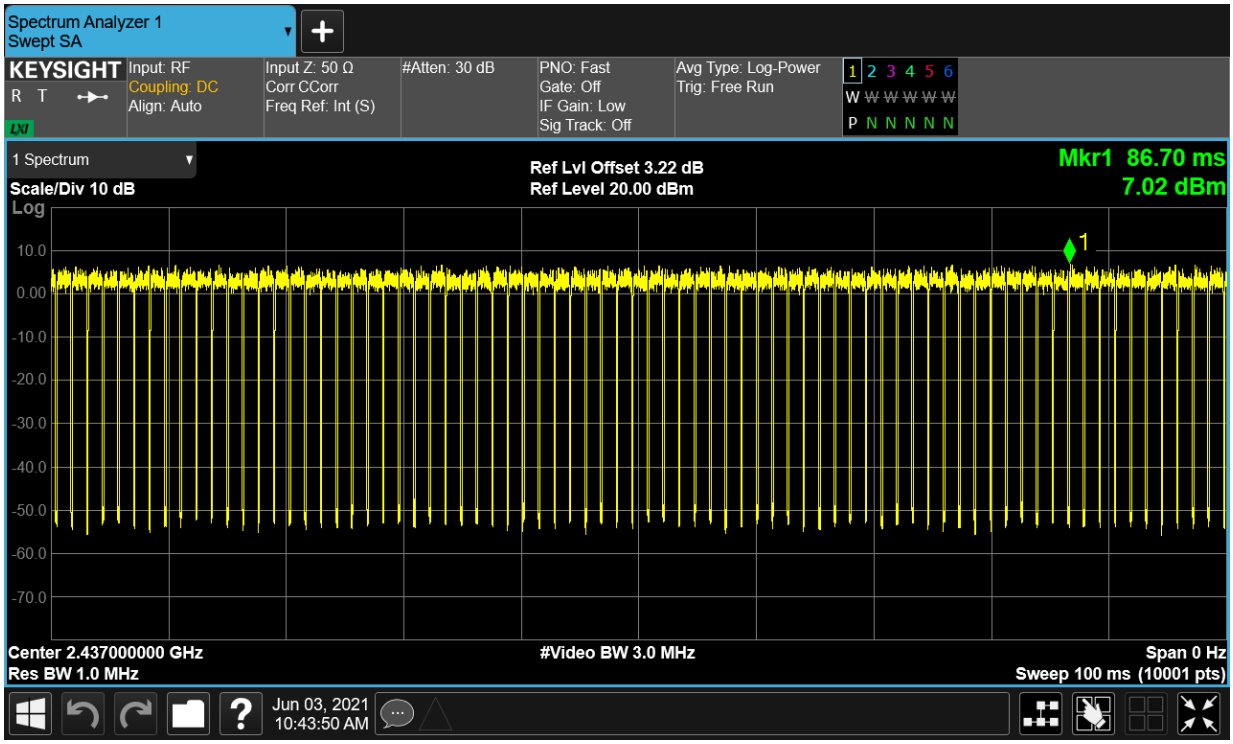
Duty Cycle NVNT g 2462MHz Ant1



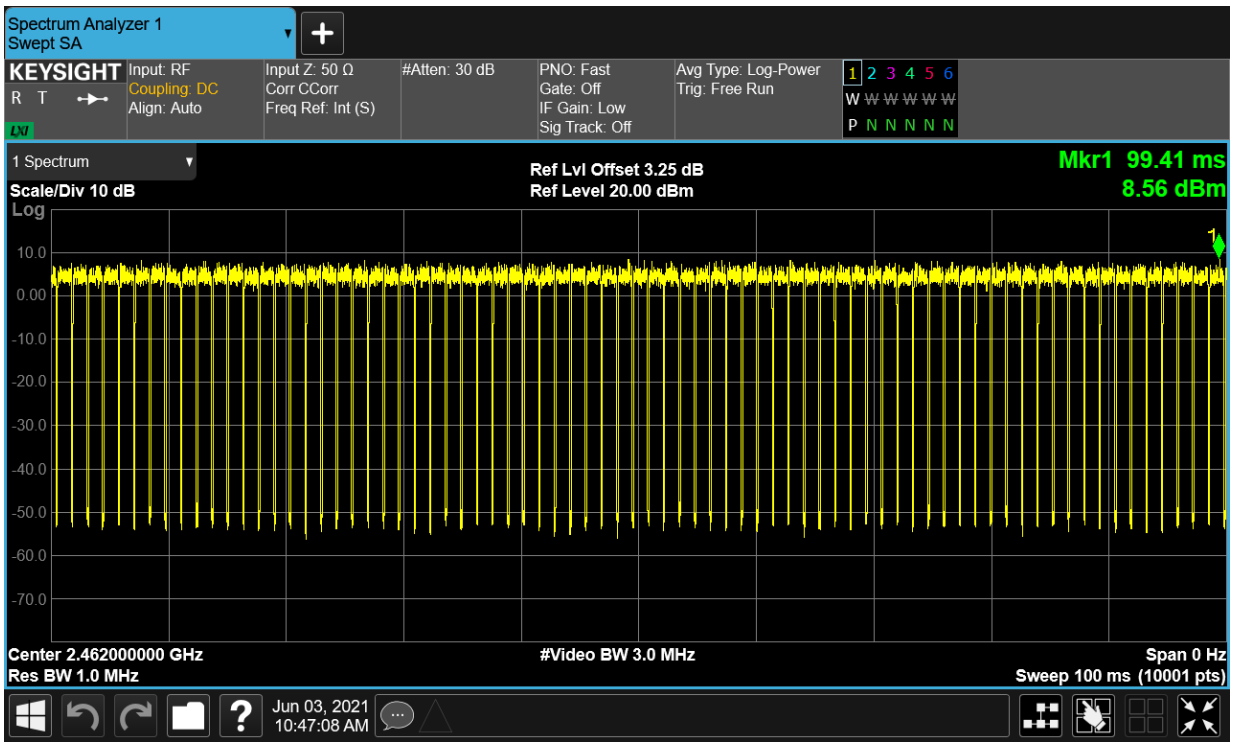
Duty Cycle NVNT n20 2412MHz Ant1



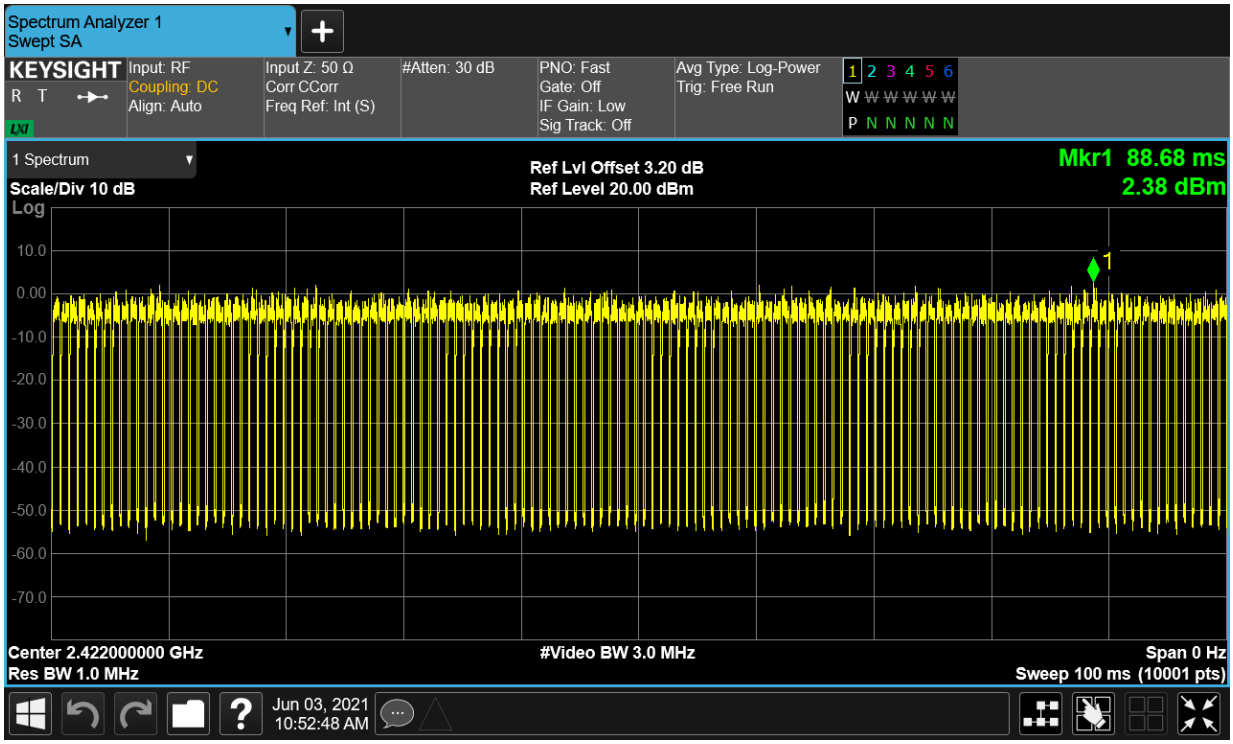
Duty Cycle NVNT n20 2437MHz Ant1



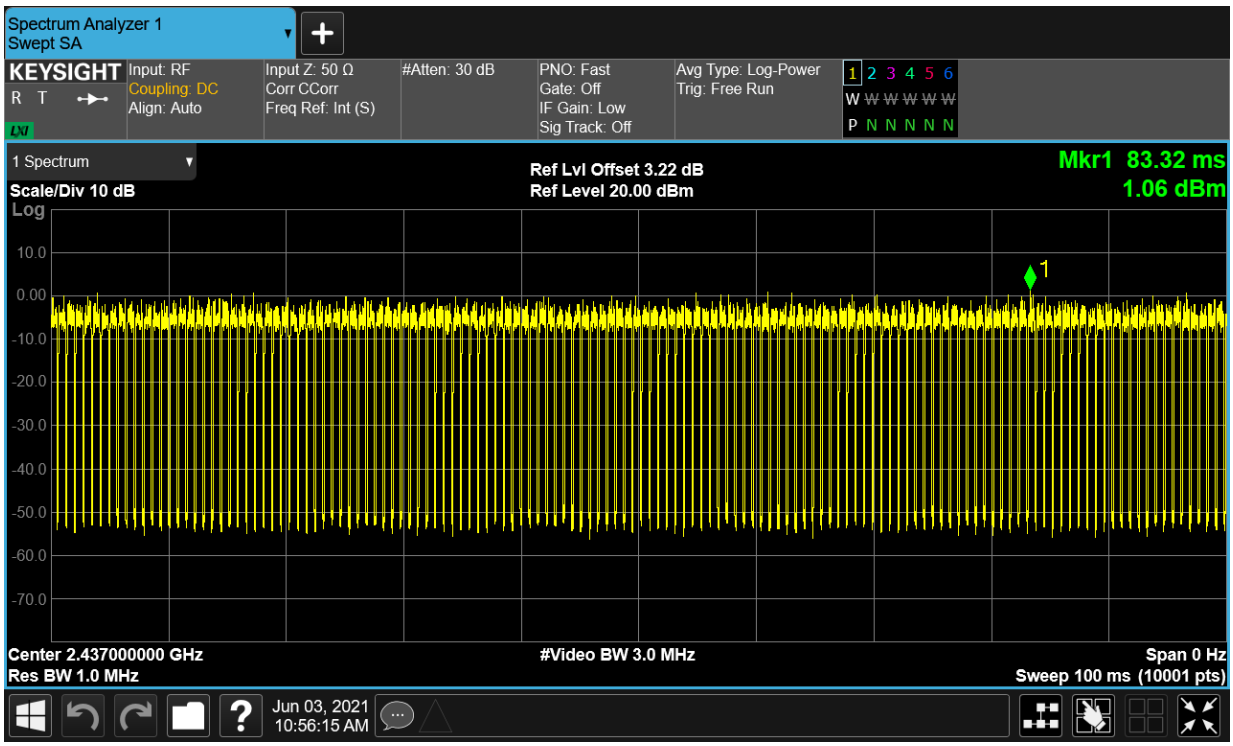
Duty Cycle NVNT n20 2462MHz Ant1



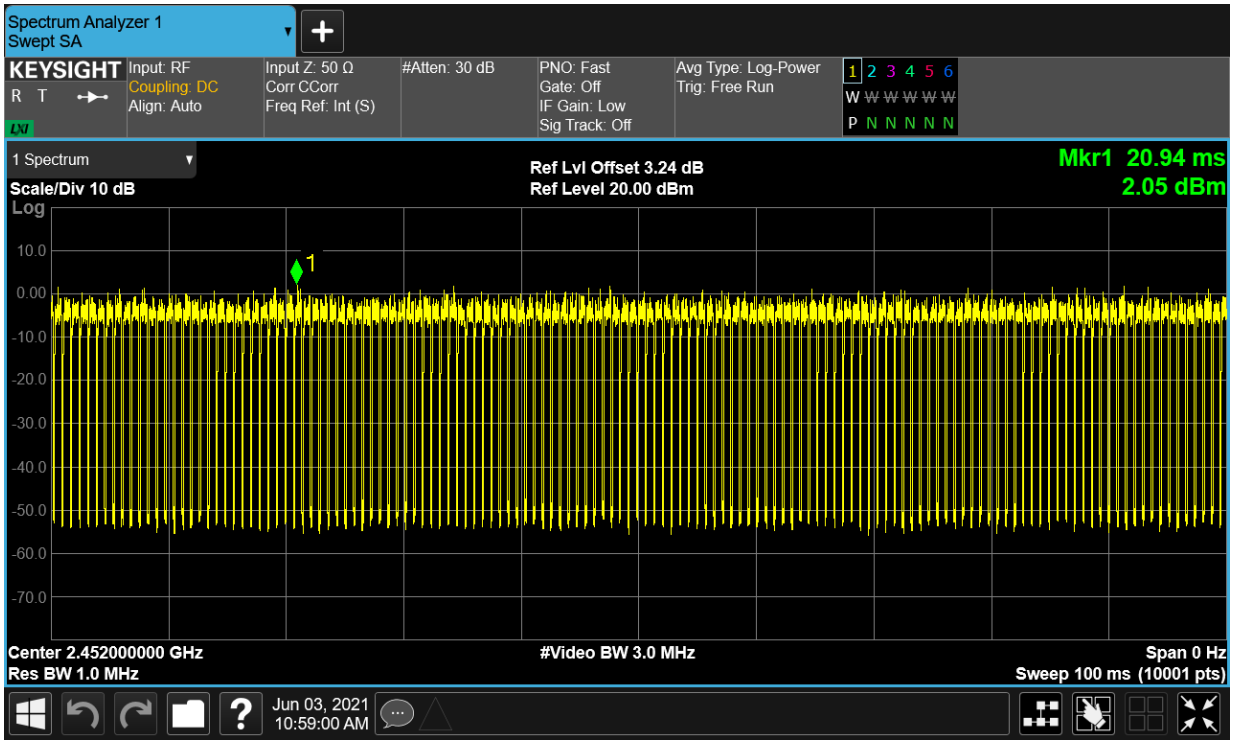
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1



Maximum Conducted Output Power

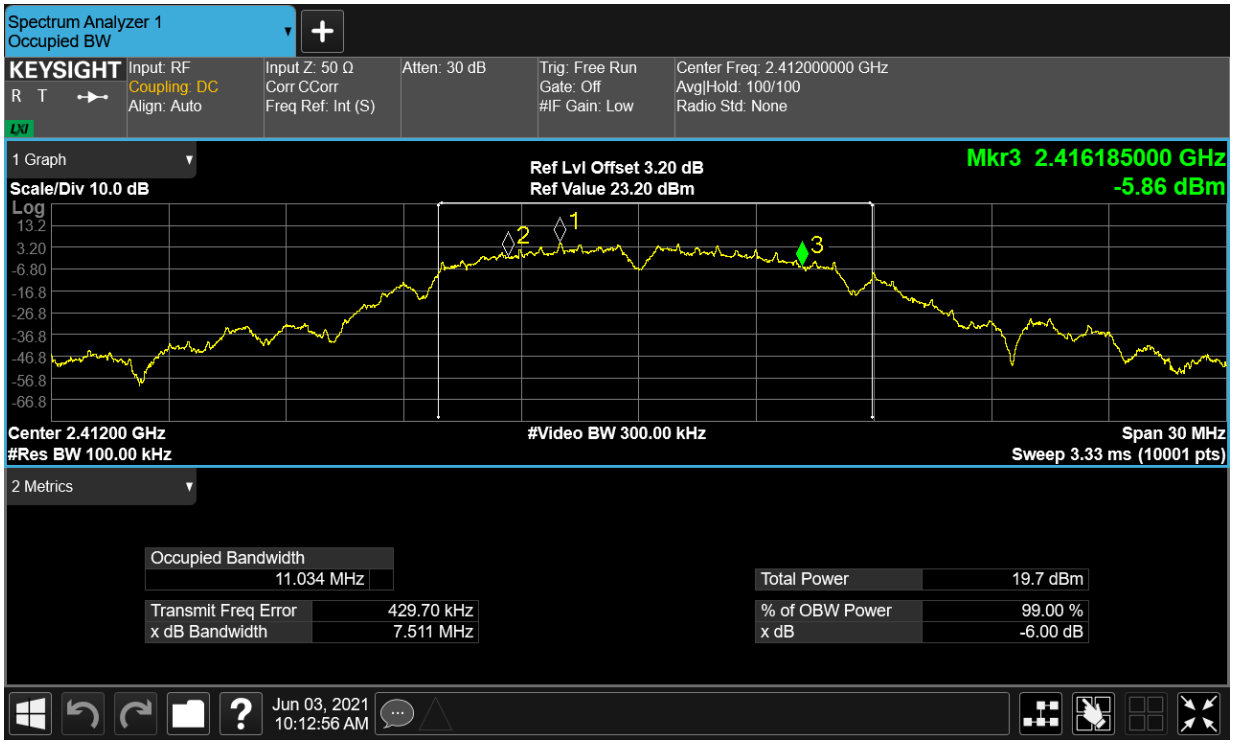
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	12.94	0.05	12.99	30	Pass
NVNT	b	2437	Ant1	10.75	0.06	10.81	30	Pass
NVNT	b	2462	Ant1	13.31	0.06	13.37	30	Pass
NVNT	g	2412	Ant1	12.23	0.39	12.62	30	Pass
NVNT	g	2437	Ant1	10.1	0.38	10.48	30	Pass
NVNT	g	2462	Ant1	11.68	0.38	12.06	30	Pass
NVNT	n20	2412	Ant1	11.31	0.46	11.77	30	Pass
NVNT	n20	2437	Ant1	10.08	0.47	10.55	30	Pass
NVNT	n20	2462	Ant1	12.09	0.45	12.54	30	Pass
NVNT	n40	2422	Ant1	9.96	0.92	10.88	30	Pass
NVNT	n40	2437	Ant1	9.68	0.85	10.53	30	Pass
NVNT	n40	2452	Ant1	10.05	0.85	10.9	30	Pass

-6dB Bandwidth

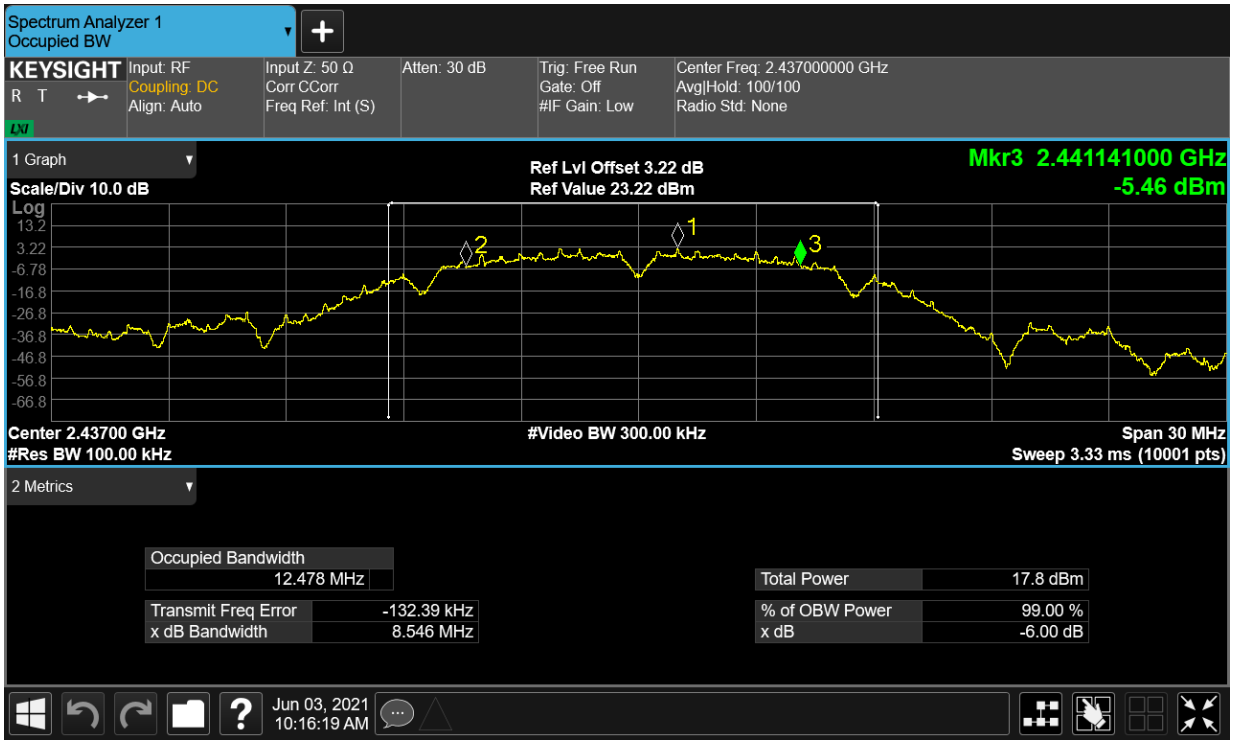
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.511	0.5	Pass
NVNT	b	2437	Ant1	8.546	0.5	Pass
NVNT	b	2462	Ant1	7.104	0.5	Pass
NVNT	g	2412	Ant1	13.188	0.5	Pass
NVNT	g	2437	Ant1	16.056	0.5	Pass
NVNT	g	2462	Ant1	15.685	0.5	Pass

NVNT	n20	2412	Ant1	13.802	0.5	Pass
NVNT	n20	2437	Ant1	16.955	0.5	Pass
NVNT	n20	2462	Ant1	16.164	0.5	Pass
NVNT	n40	2422	Ant1	34.617	0.5	Pass
NVNT	n40	2437	Ant1	35.789	0.5	Pass
NVNT	n40	2452	Ant1	33.13	0.5	Pass

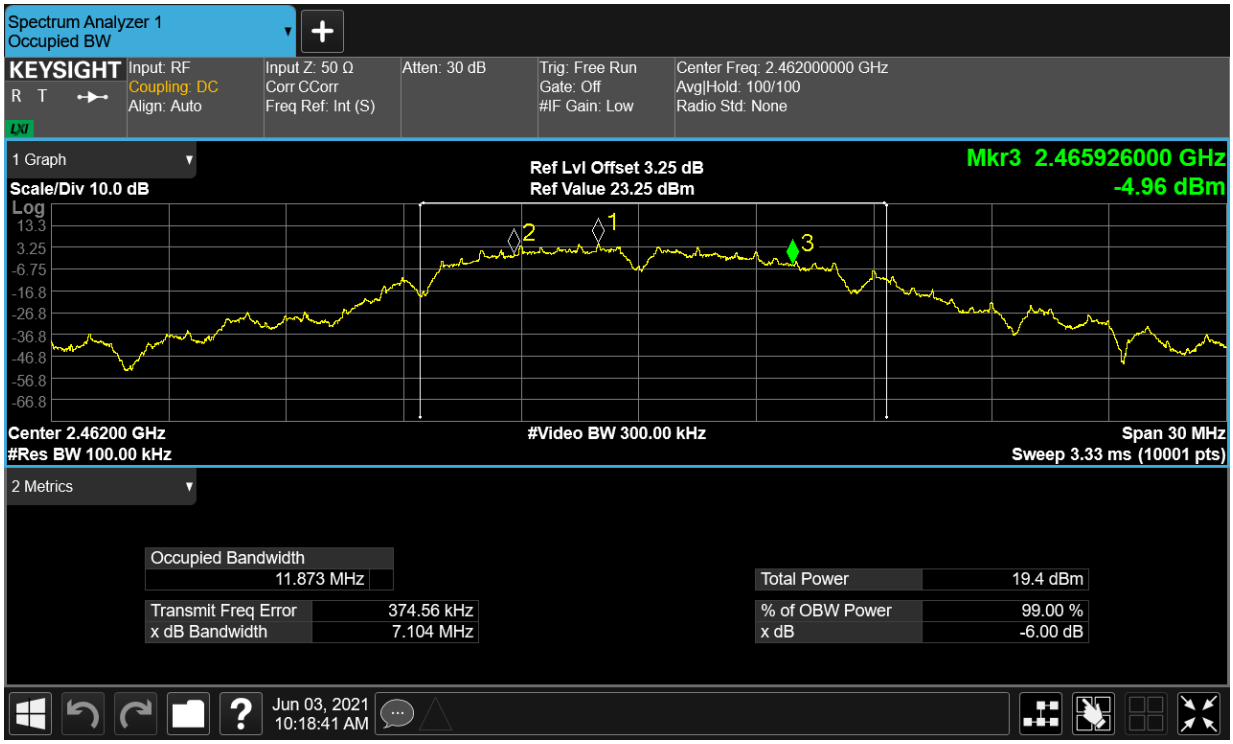
-6dB Bandwidth NVNT b 2412MHz Ant1



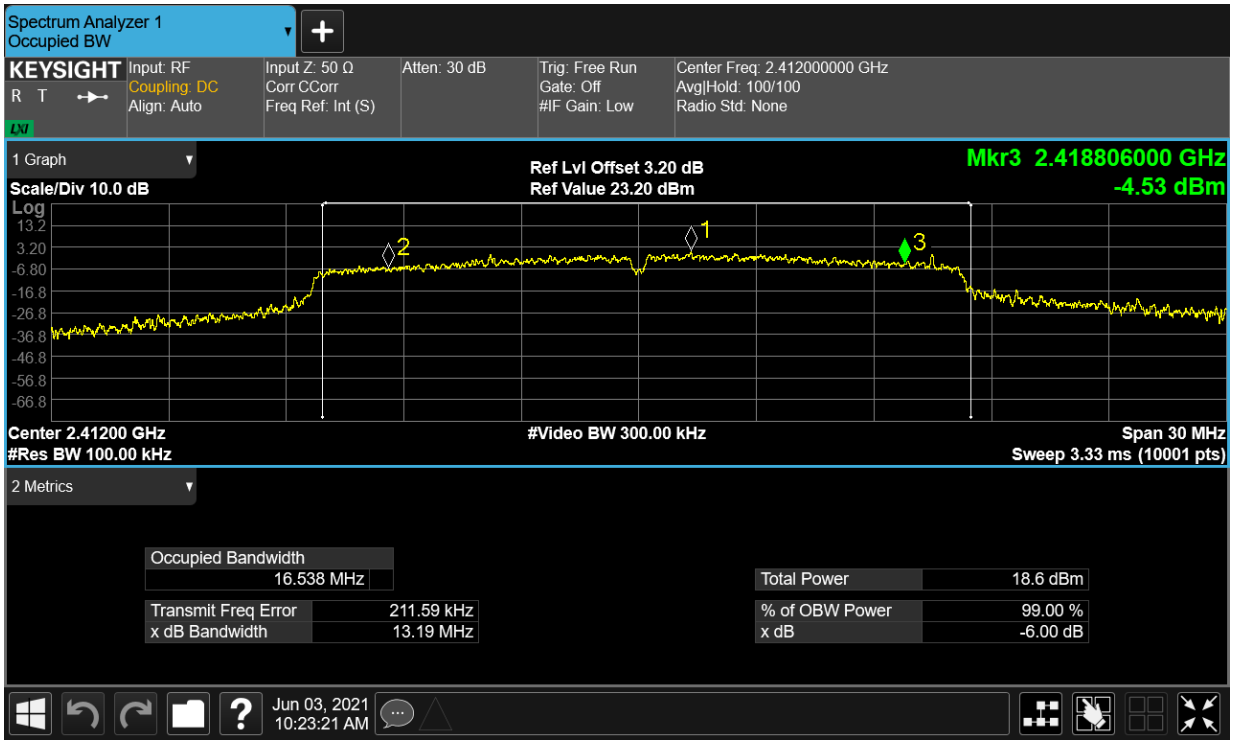
-6dB Bandwidth NVNT b 2437MHz Ant1



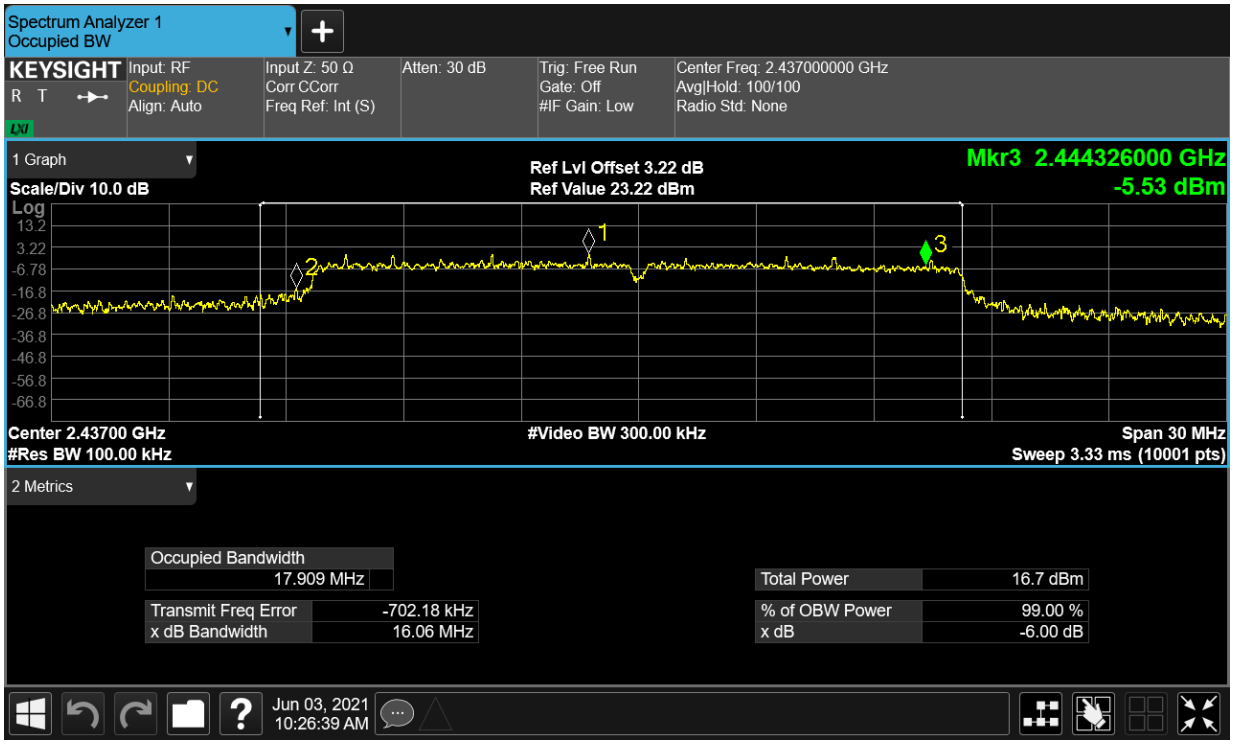
-6dB Bandwidth NVNT b 2462MHz Ant1



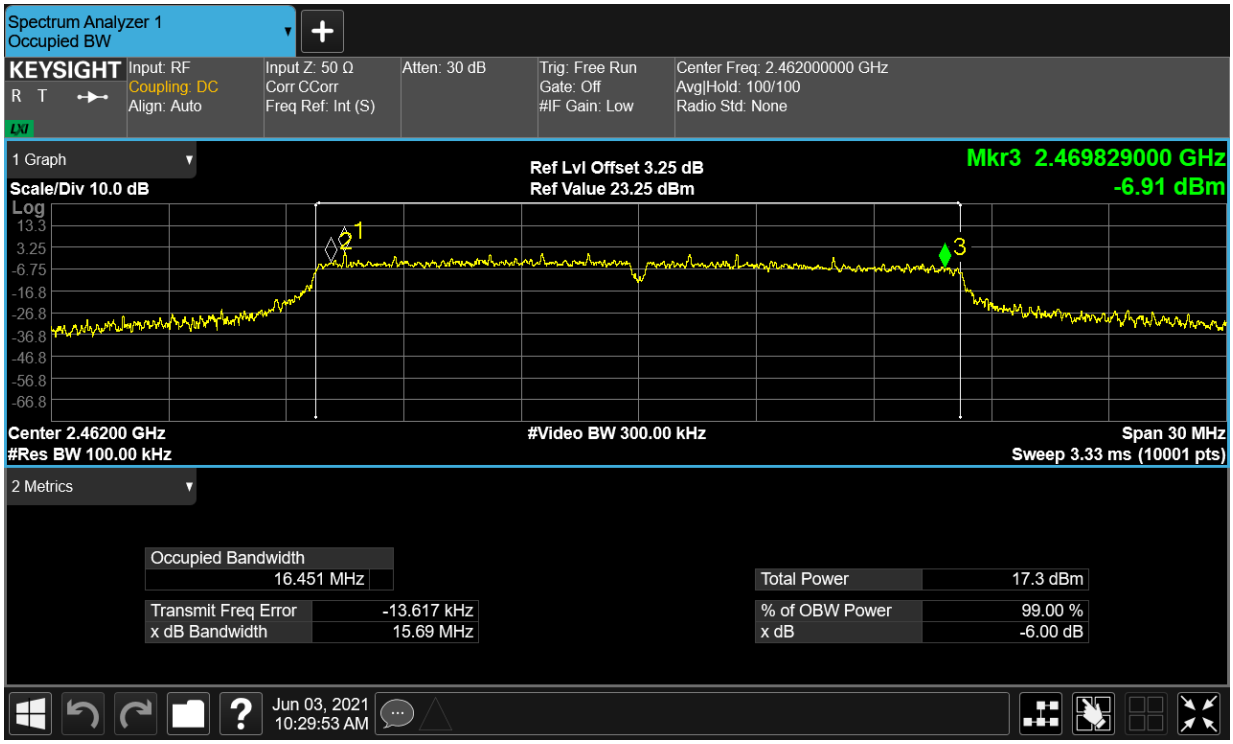
-6dB Bandwidth NVNT g 2412MHz Ant1



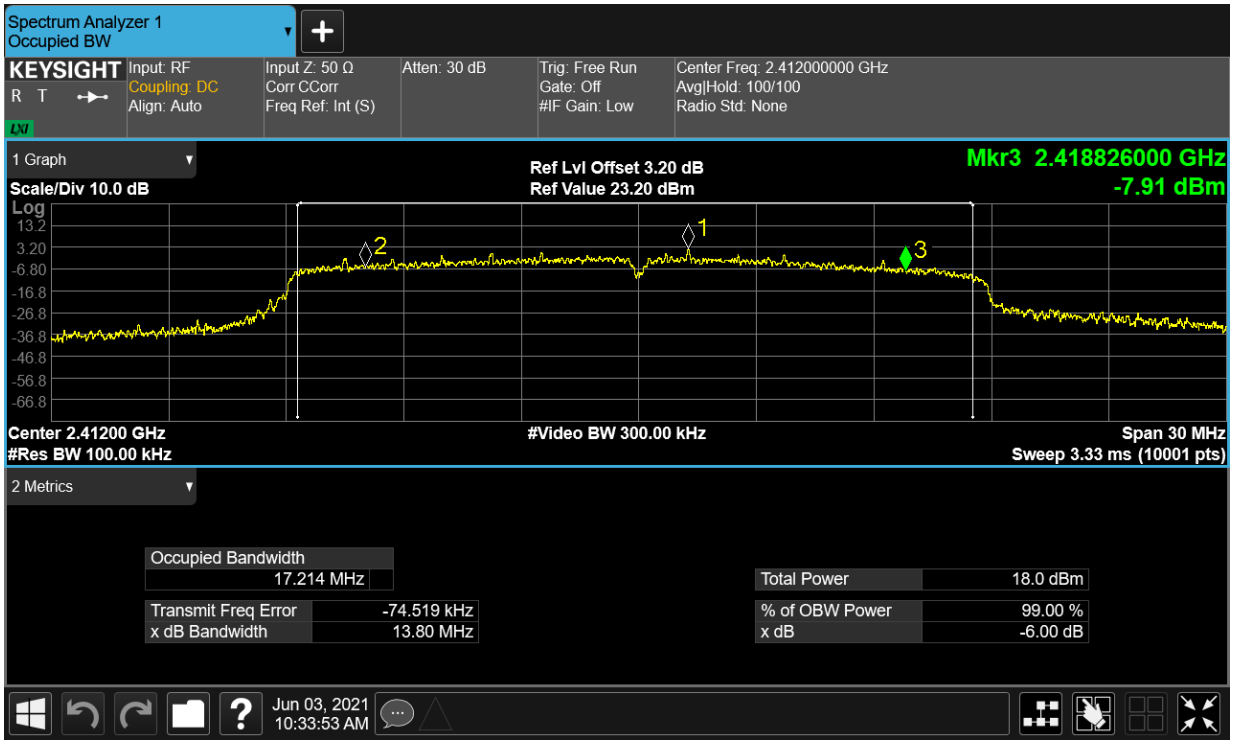
-6dB Bandwidth NVNT g 2437MHz Ant1



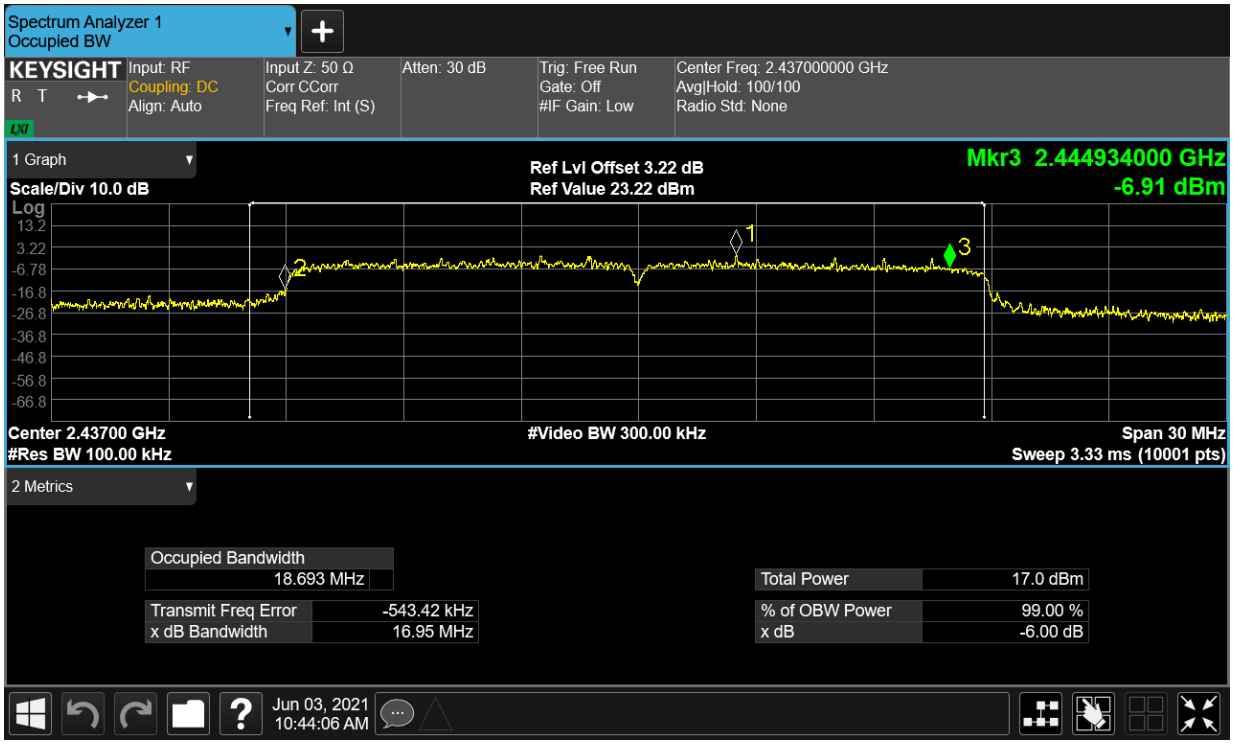
-6dB Bandwidth NVNT g 2462MHz Ant1



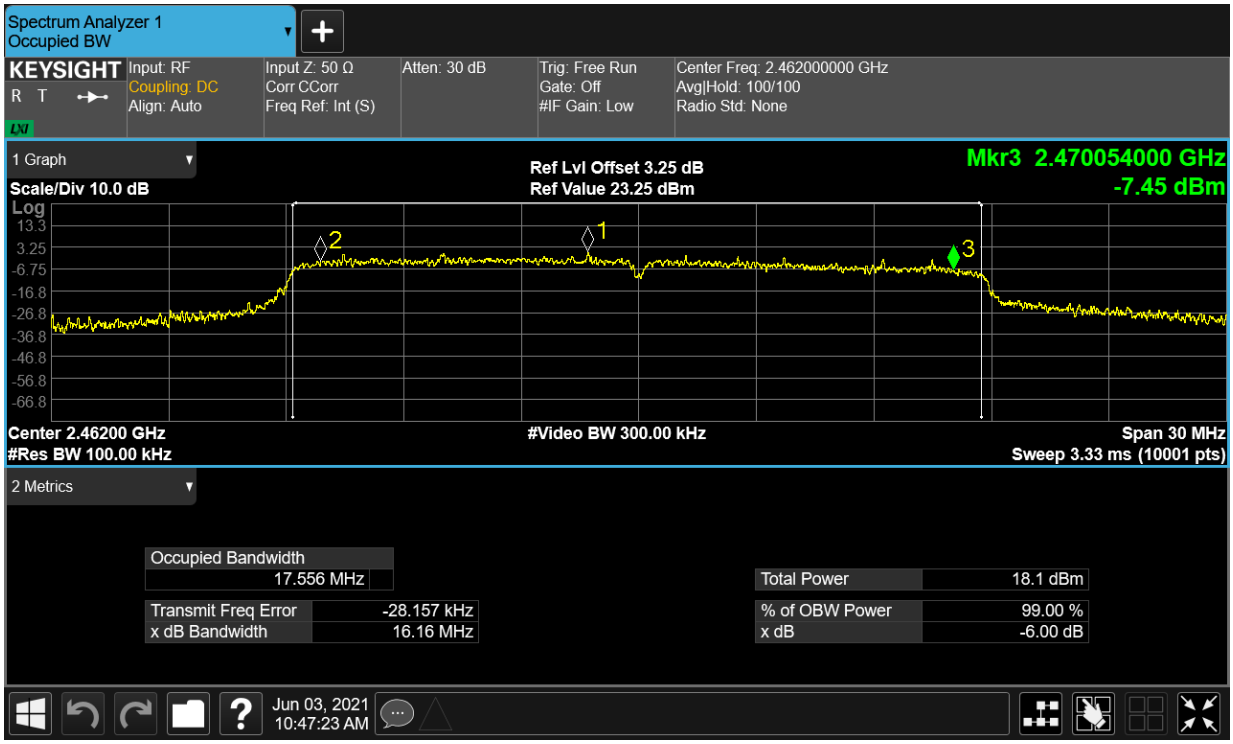
-6dB Bandwidth NVNT n20 2412MHz Ant1



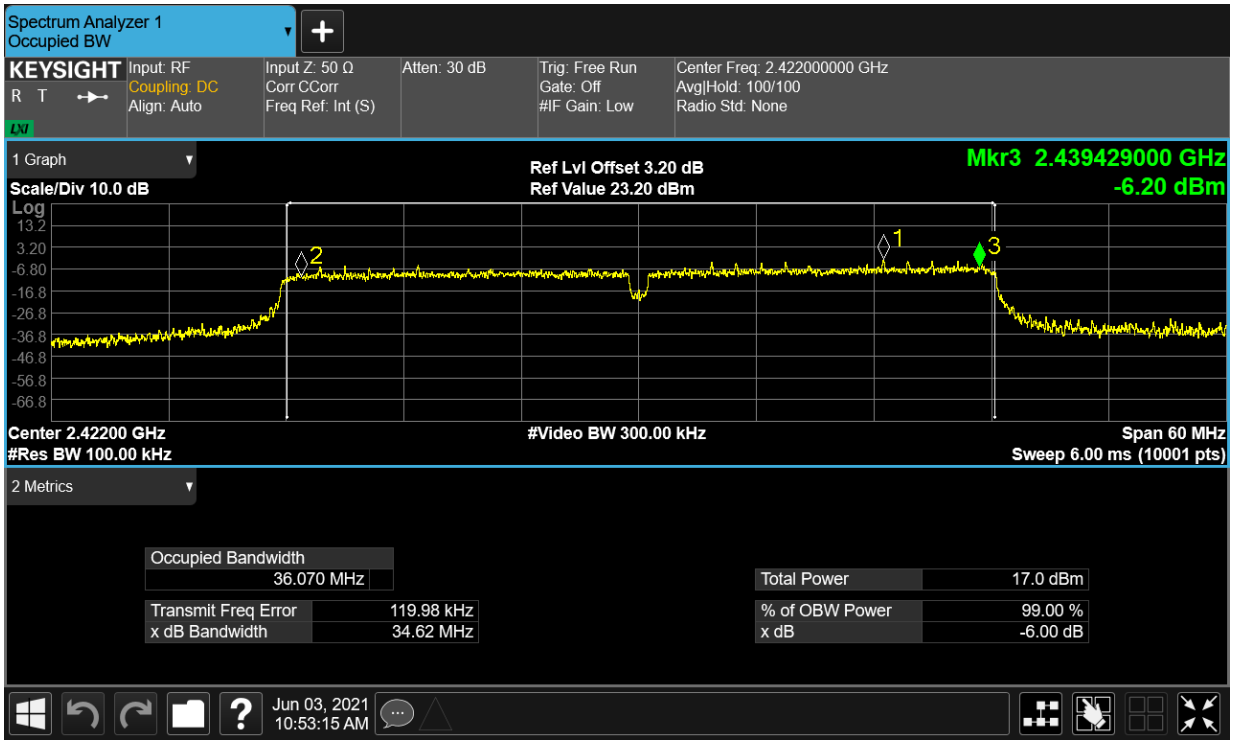
-6dB Bandwidth NVNT n20 2437MHz Ant1



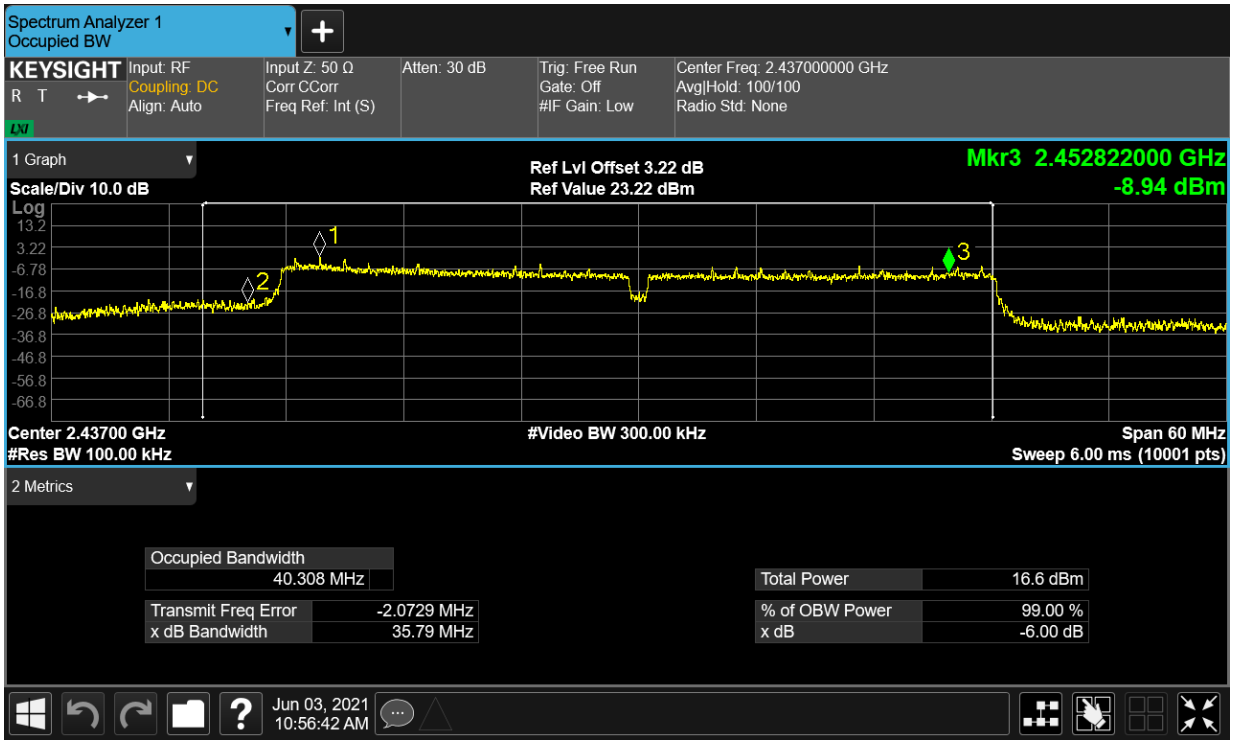
-6dB Bandwidth NVNT n20 2462MHz Ant1



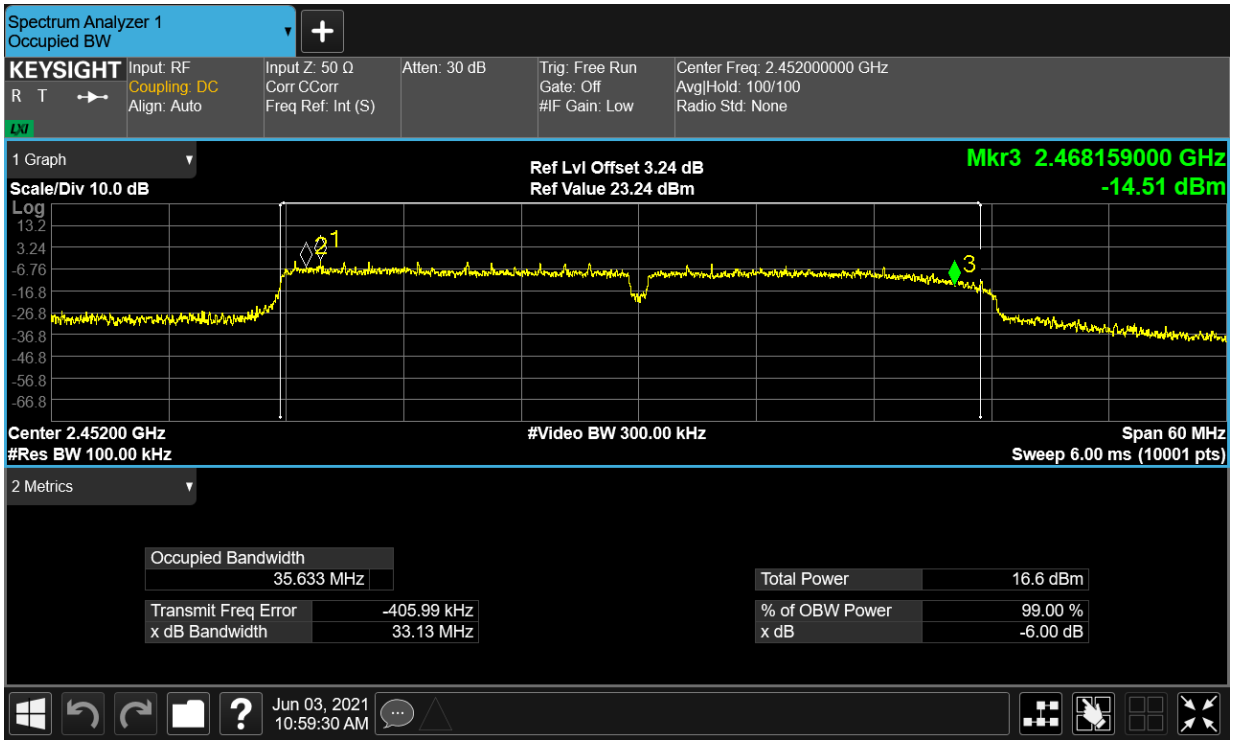
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



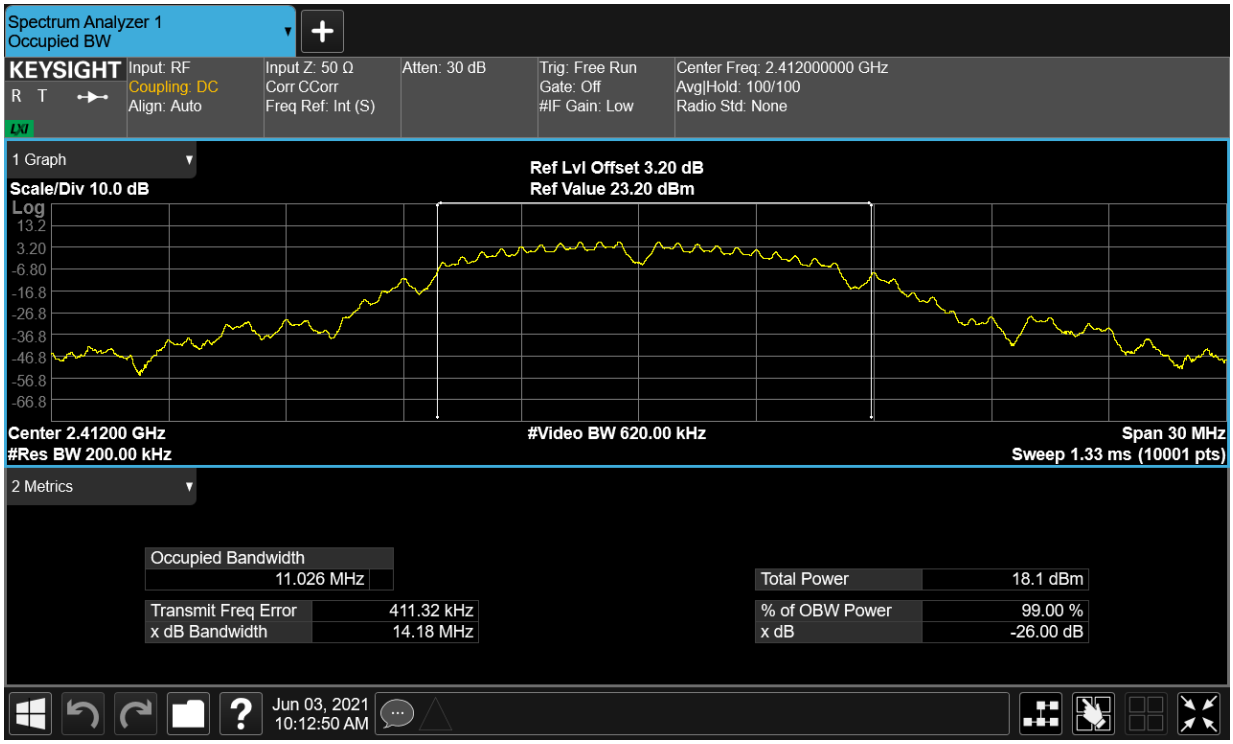
-6dB Bandwidth NVNT n40 2452MHz Ant1



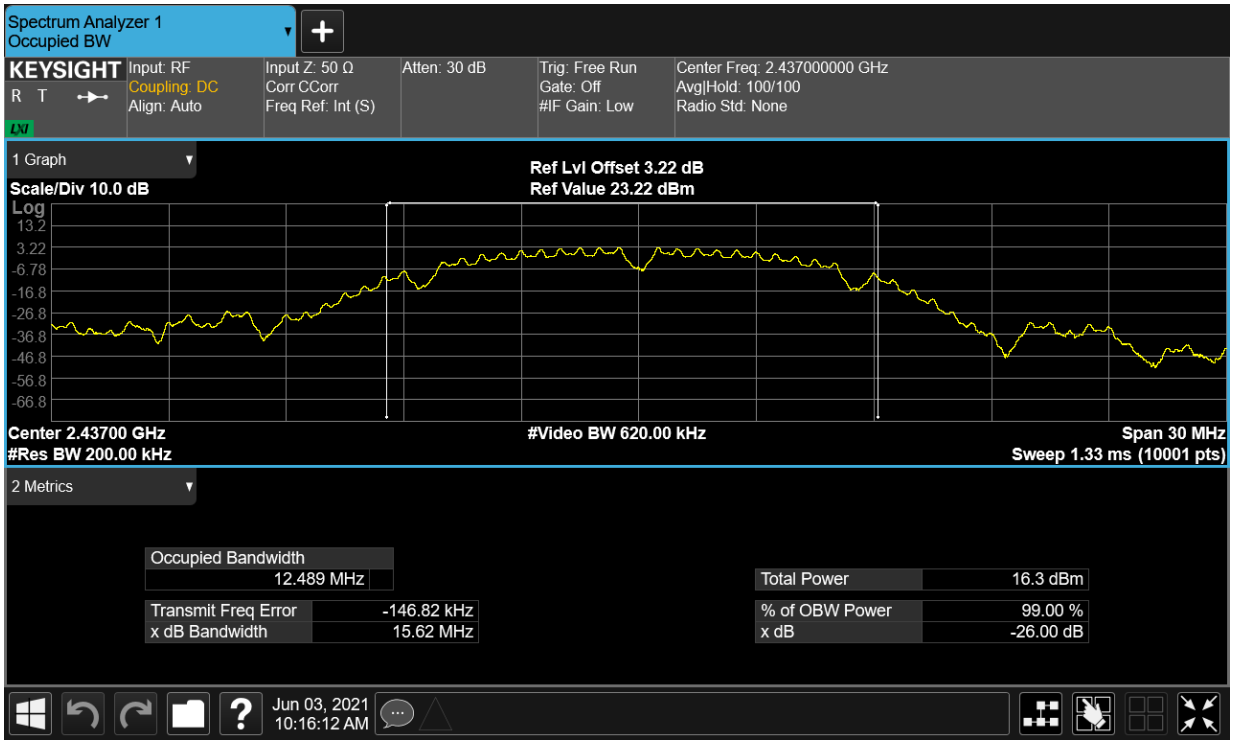
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	11.0257331
NVNT	b	2437	Ant1	12.48874243
NVNT	b	2462	Ant1	11.9225091
NVNT	g	2412	Ant1	16.67261694
NVNT	g	2437	Ant1	18.56115313
NVNT	g	2462	Ant1	16.5862411
NVNT	n20	2412	Ant1	17.3003635
NVNT	n20	2437	Ant1	19.17587965
NVNT	n20	2462	Ant1	17.62800515
NVNT	n40	2422	Ant1	36.28315424
NVNT	n40	2437	Ant1	40.86996922
NVNT	n40	2452	Ant1	35.85734528

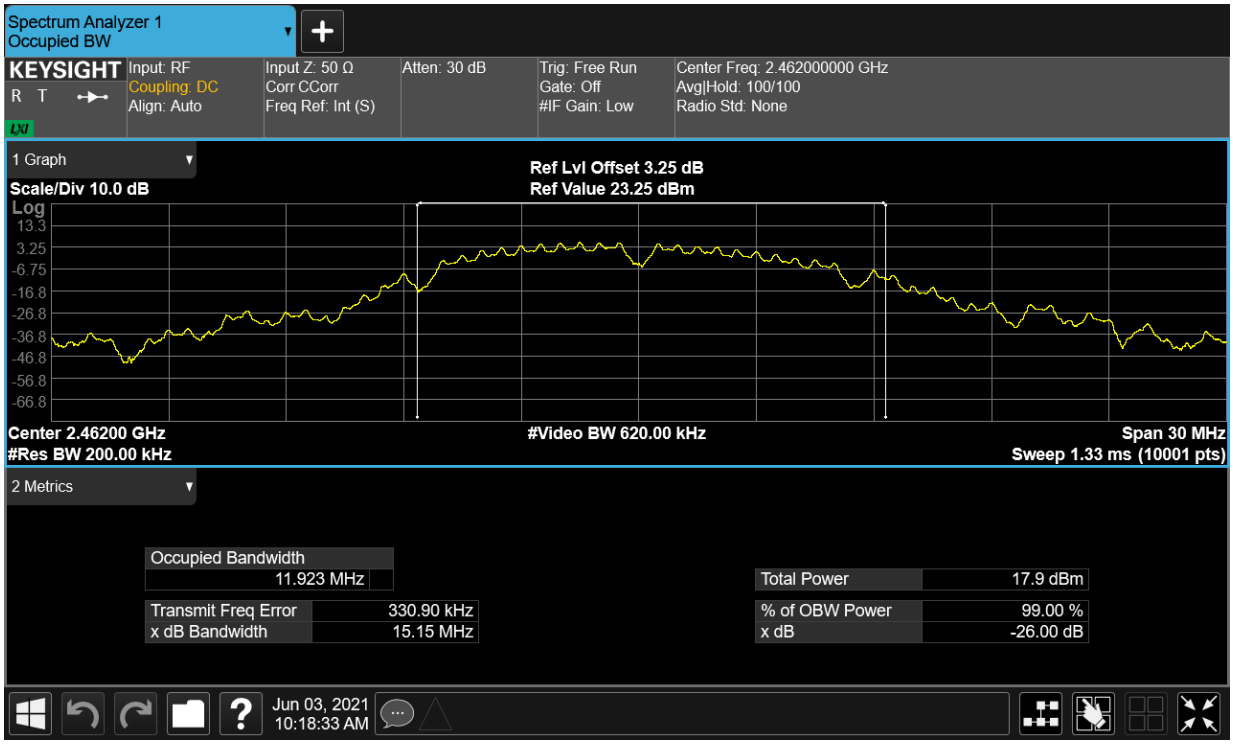
OBW NVNT b 2412MHz Ant1



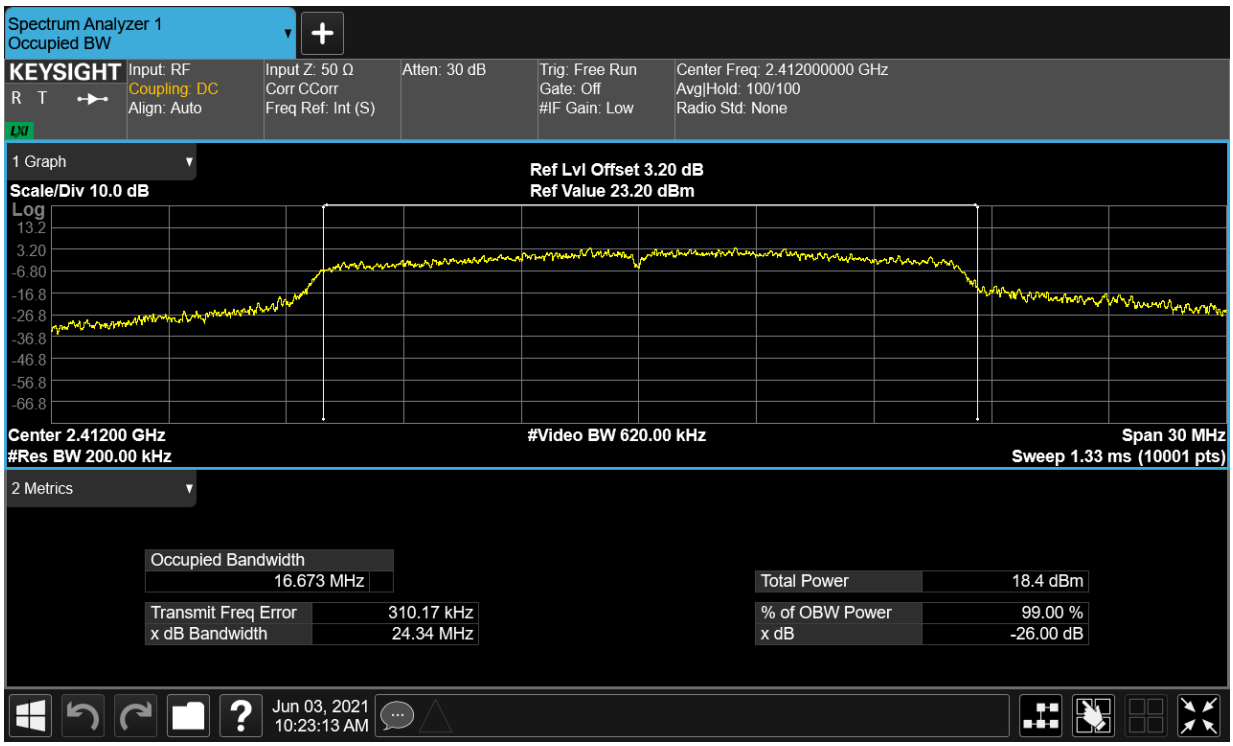
OBW NVNT b 2437MHz Ant1



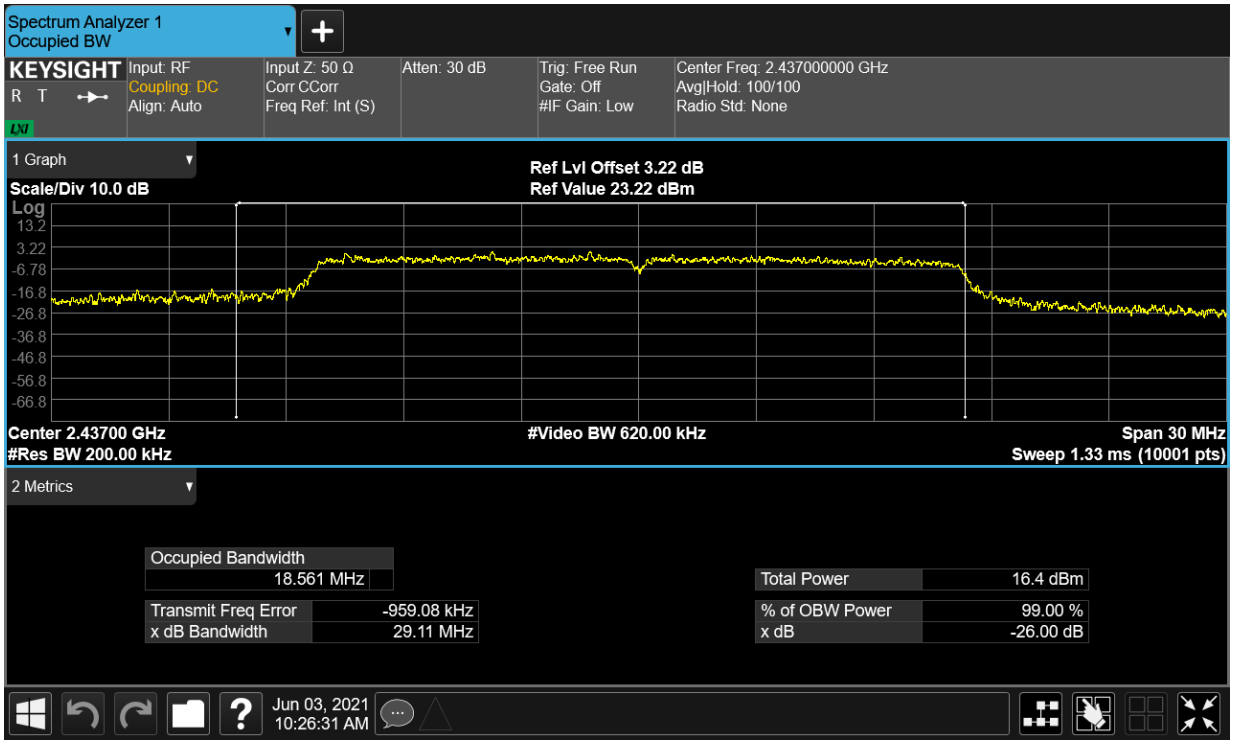
OBW NVNT b 2462MHz Ant1



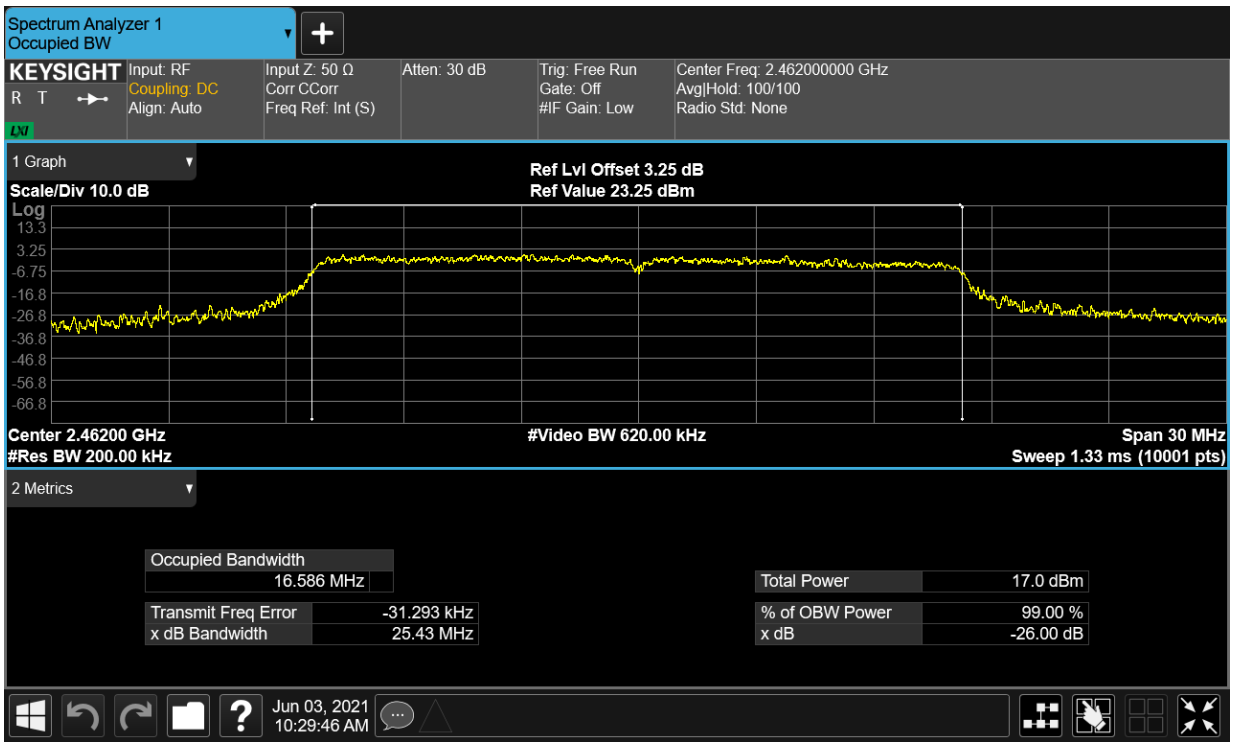
OBW NVNT g 2412MHz Ant1



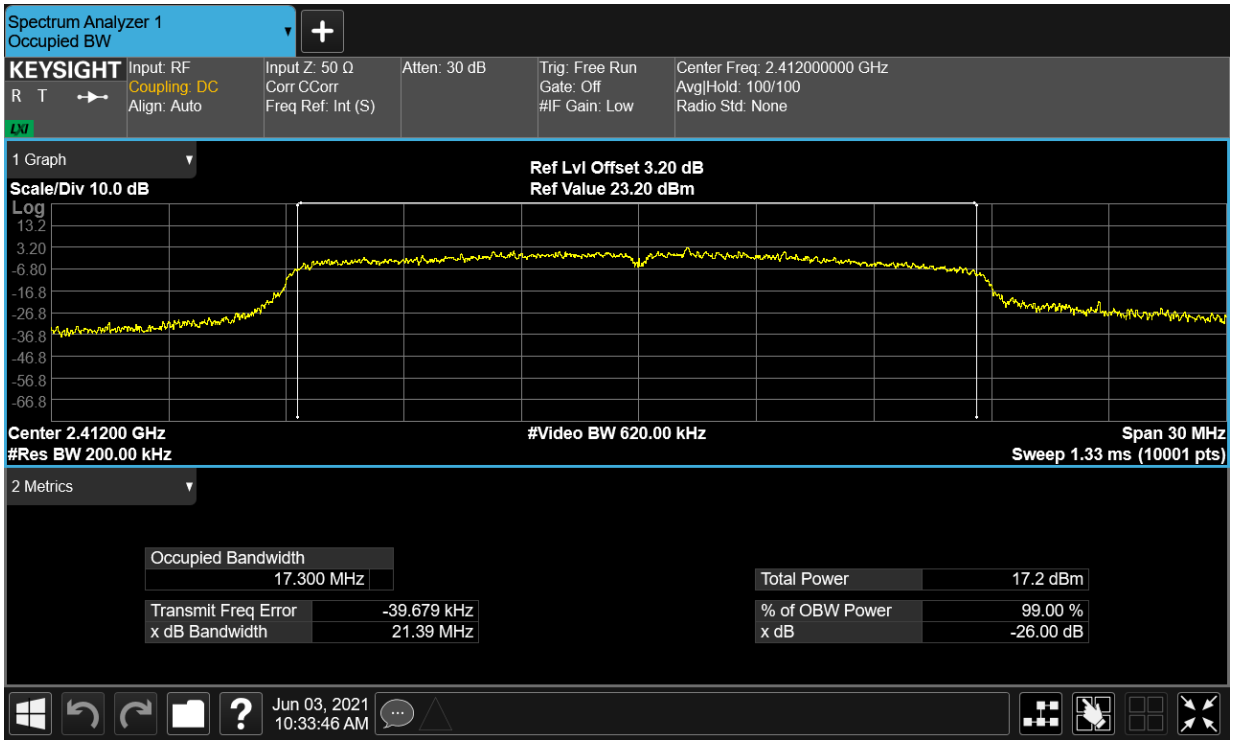
OBW NVNT g 2437MHz Ant1



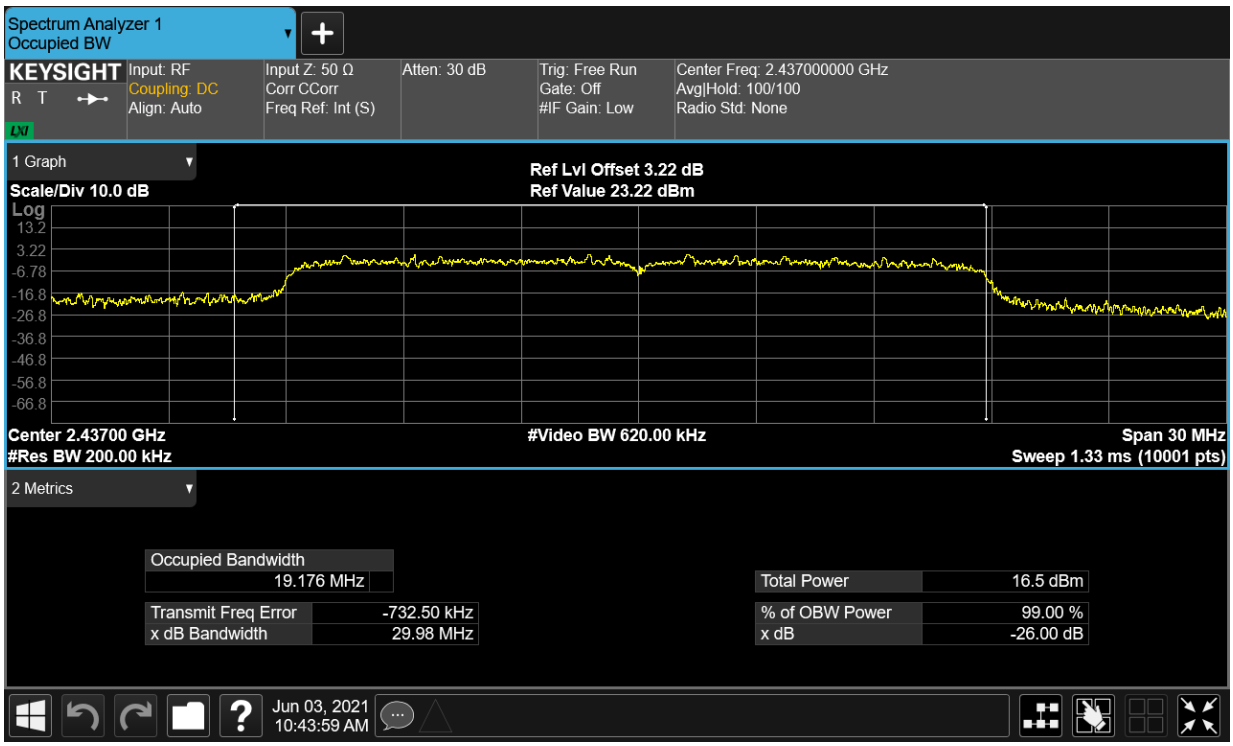
OBW NVNT g 2462MHz Ant1



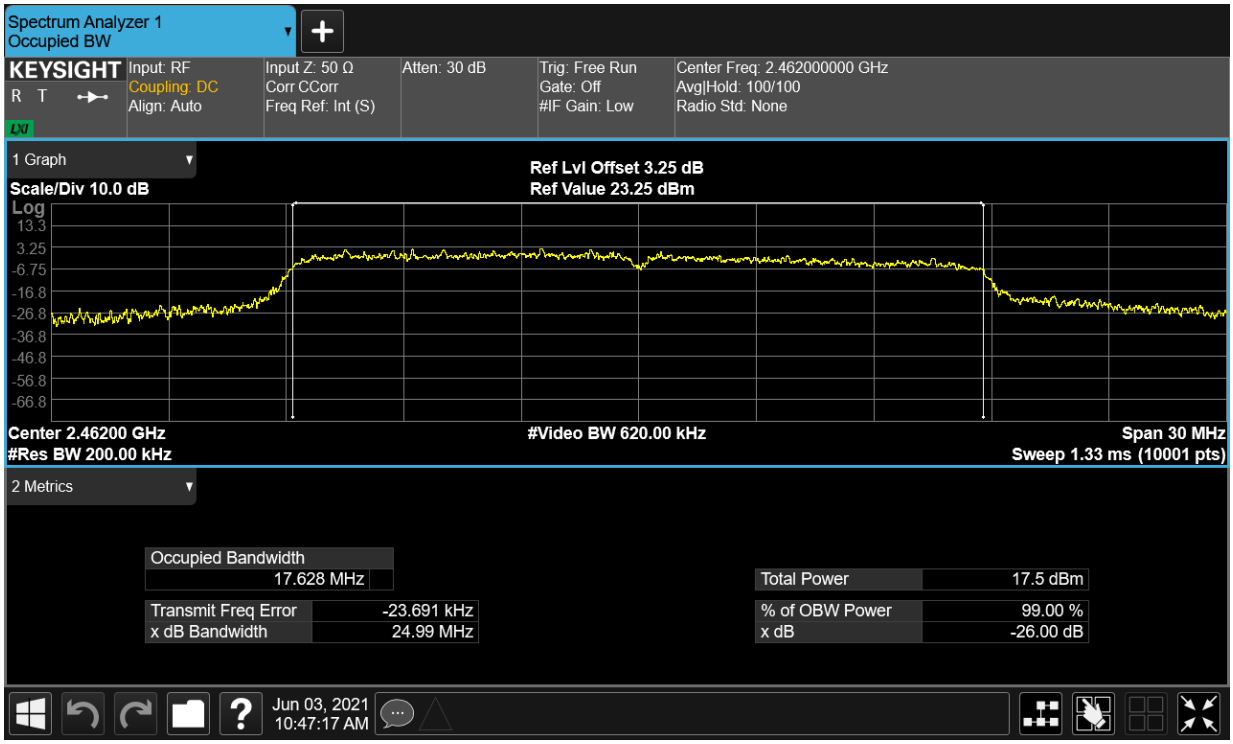
OBW NVNT n20 2412MHz Ant1



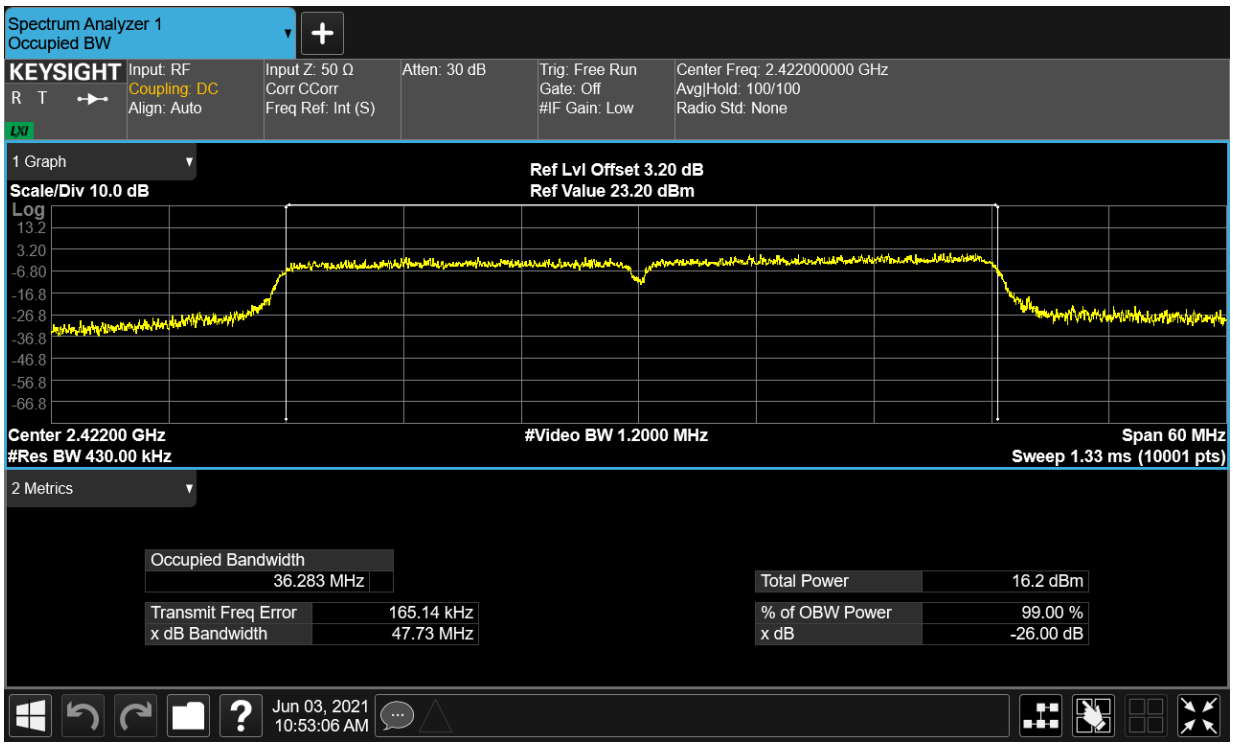
OBW NVNT n20 2437MHz Ant1



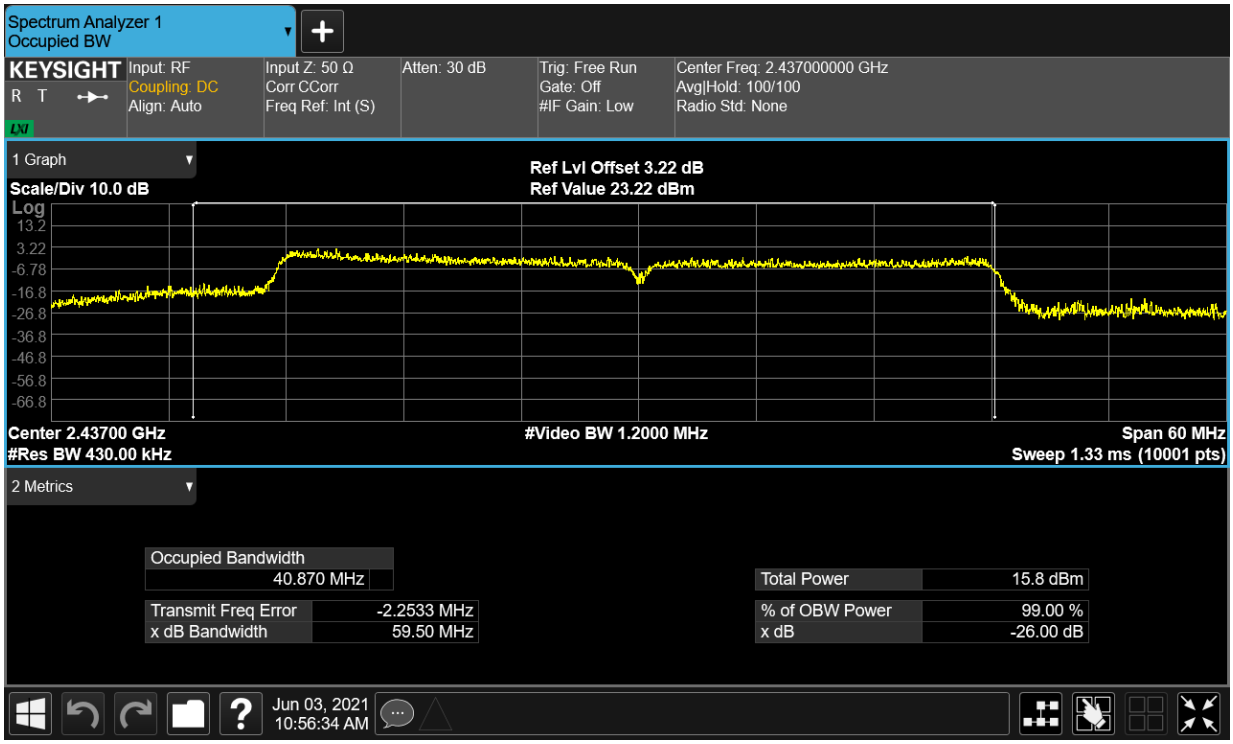
OBW NVNT n20 2462MHz Ant1



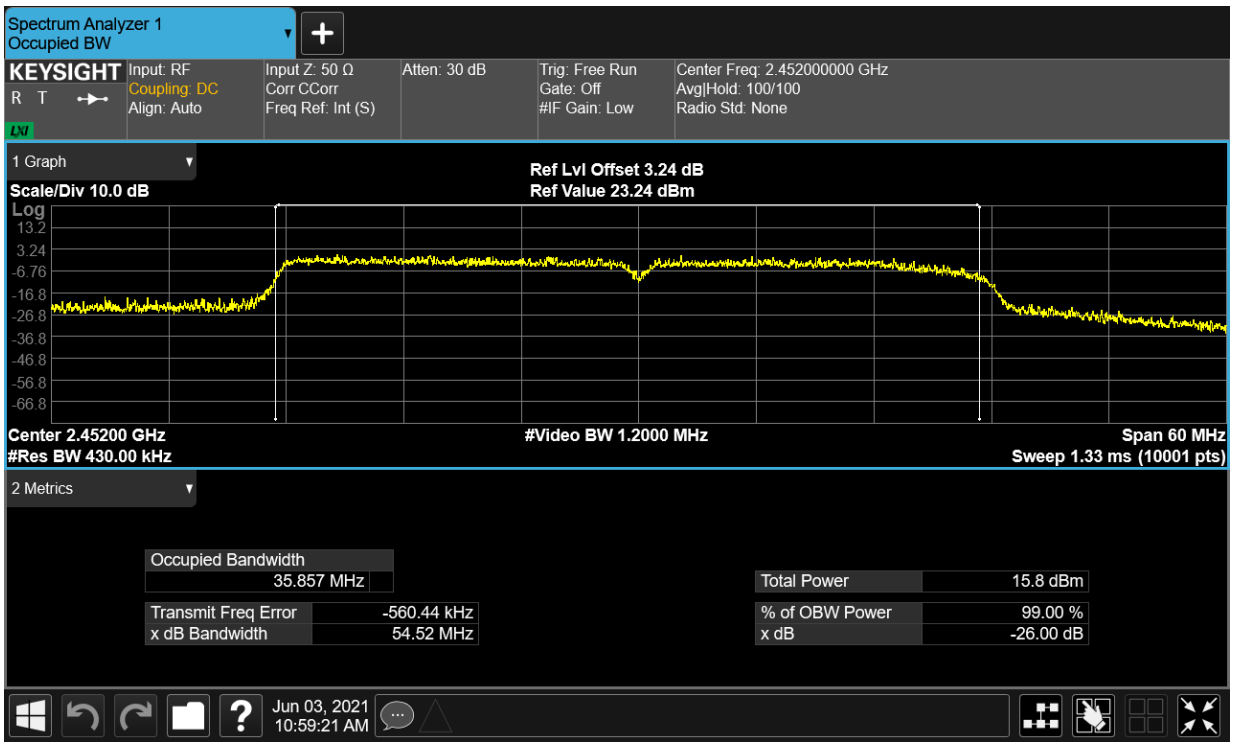
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1



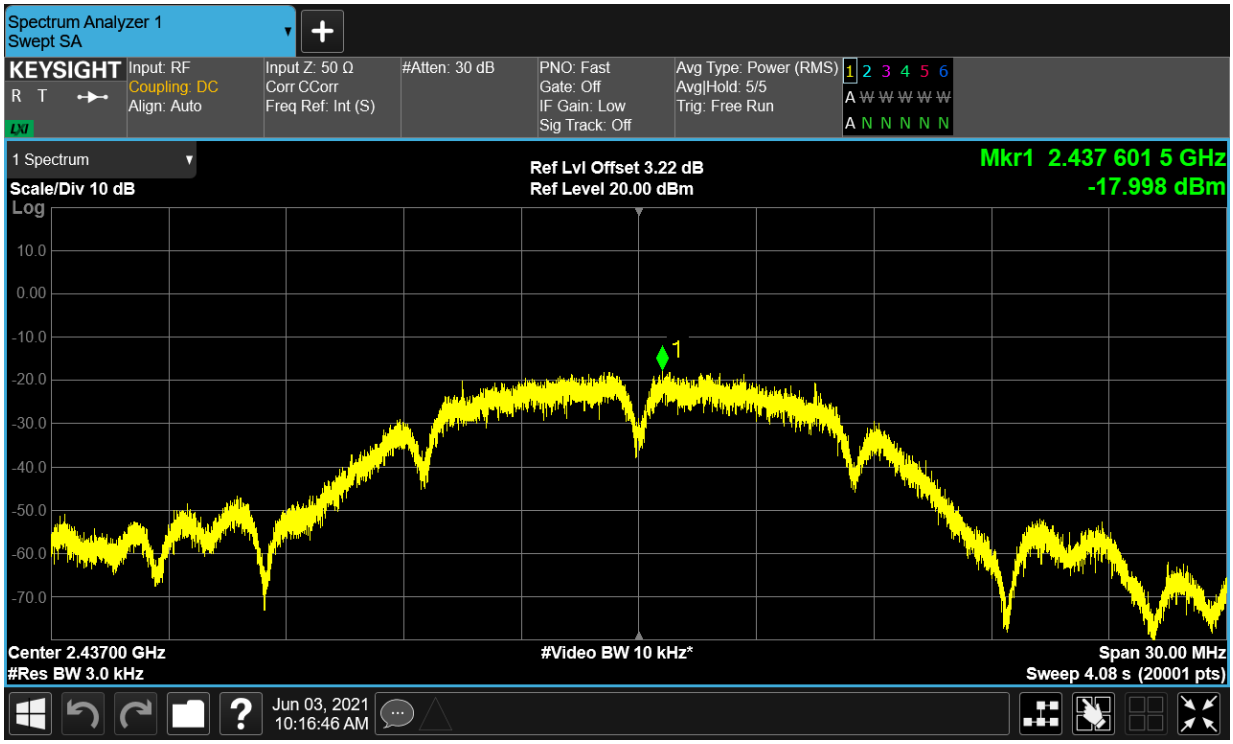
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-15.064	8	Pass
NVNT	b	2437	Ant1	-17.998	8	Pass
NVNT	b	2462	Ant1	-14.73	8	Pass

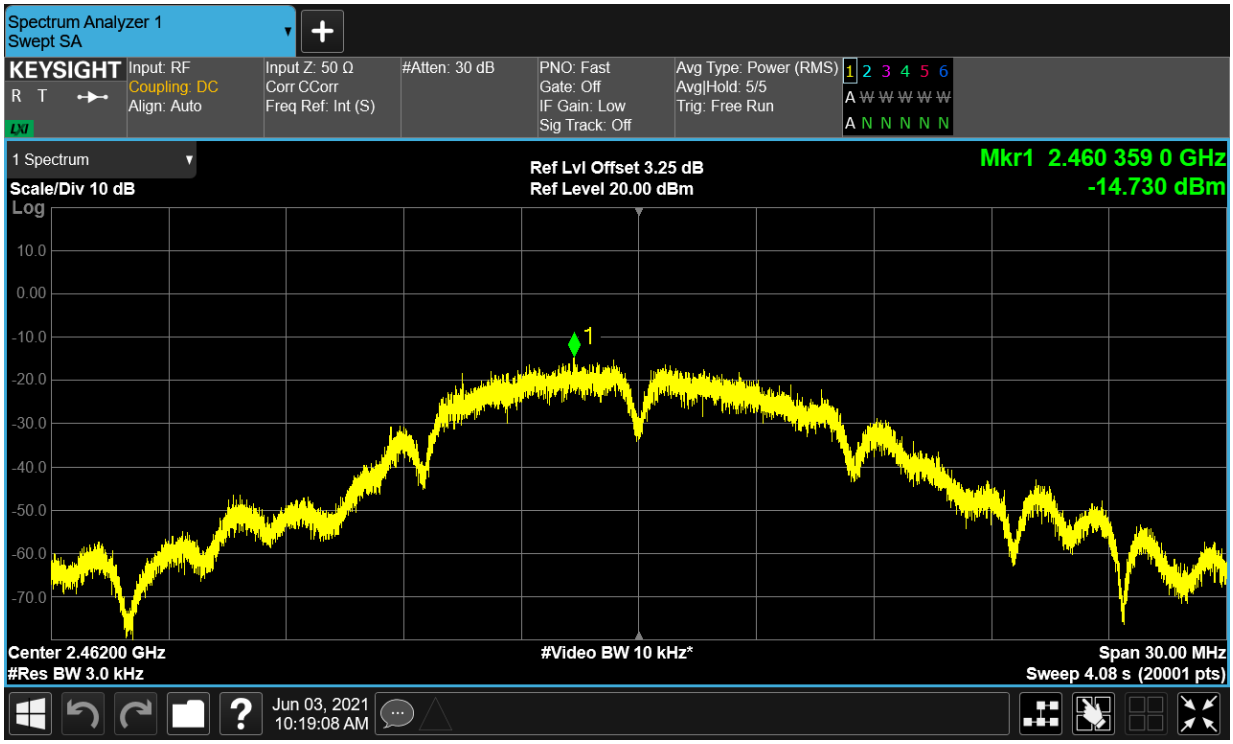
NVNT	g	2412	Ant1	-17.9	8	Pass
NVNT	g	2437	Ant1	-21.315	8	Pass
NVNT	g	2462	Ant1	-19.866	8	Pass
NVNT	n20	2412	Ant1	-20.698	8	Pass
NVNT	n20	2437	Ant1	-22.422	8	Pass
NVNT	n20	2462	Ant1	-20.248	8	Pass
NVNT	n40	2422	Ant1	-23.225	8	Pass
NVNT	n40	2437	Ant1	-23.443	8	Pass
NVNT	n40	2452	Ant1	-24.174	8	Pass

PSD NVNT b 2412MHz Ant1

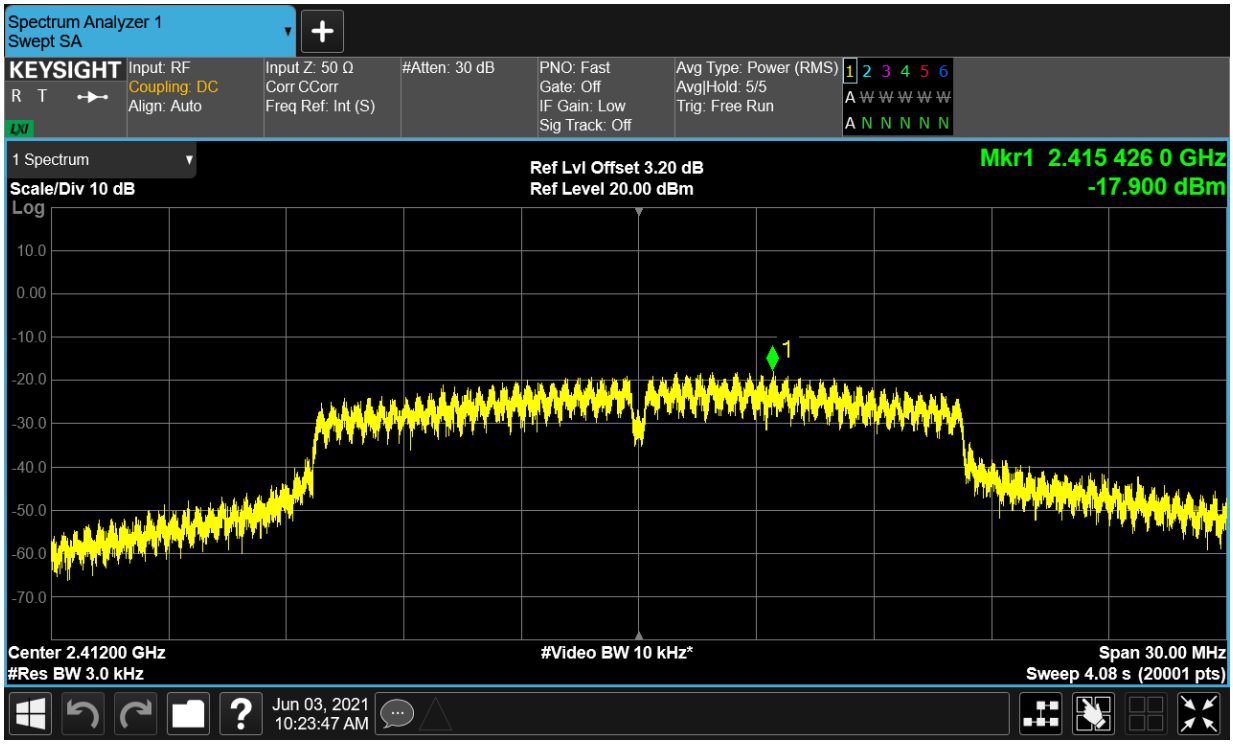
PSD NVNT b 2437MHz Ant1



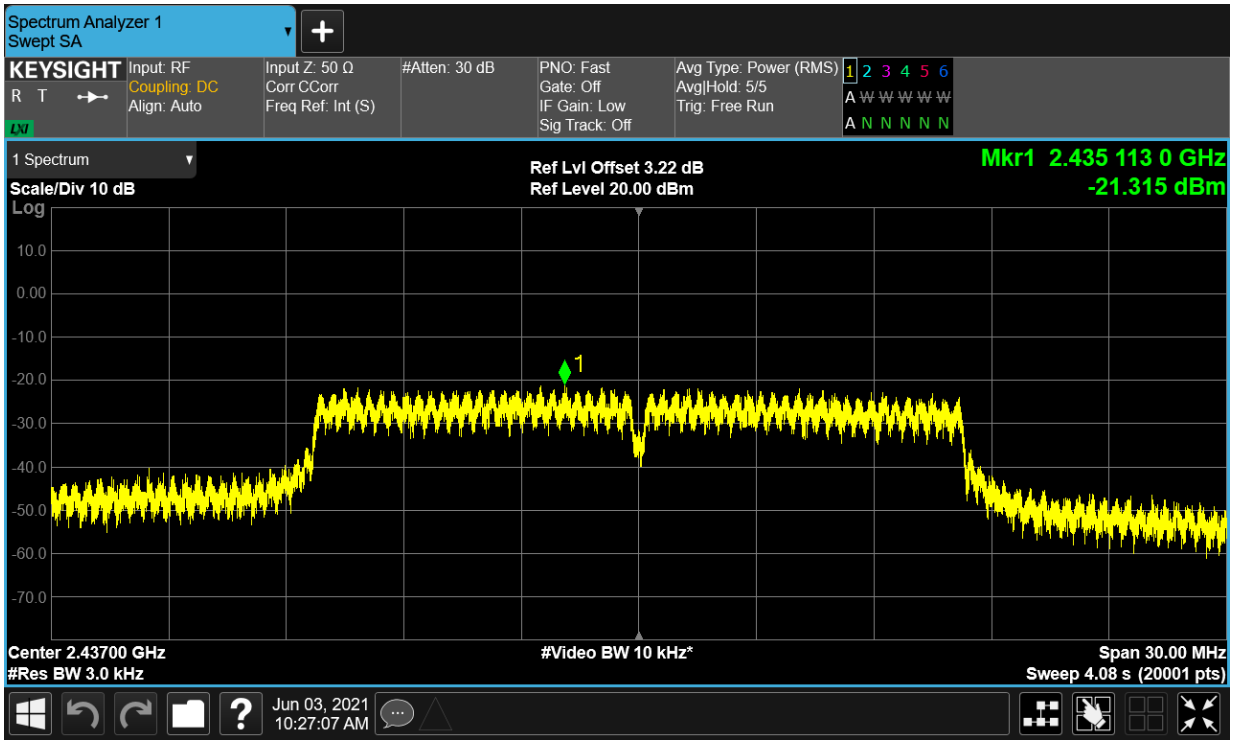
PSD NVNT b 2462MHz Ant1



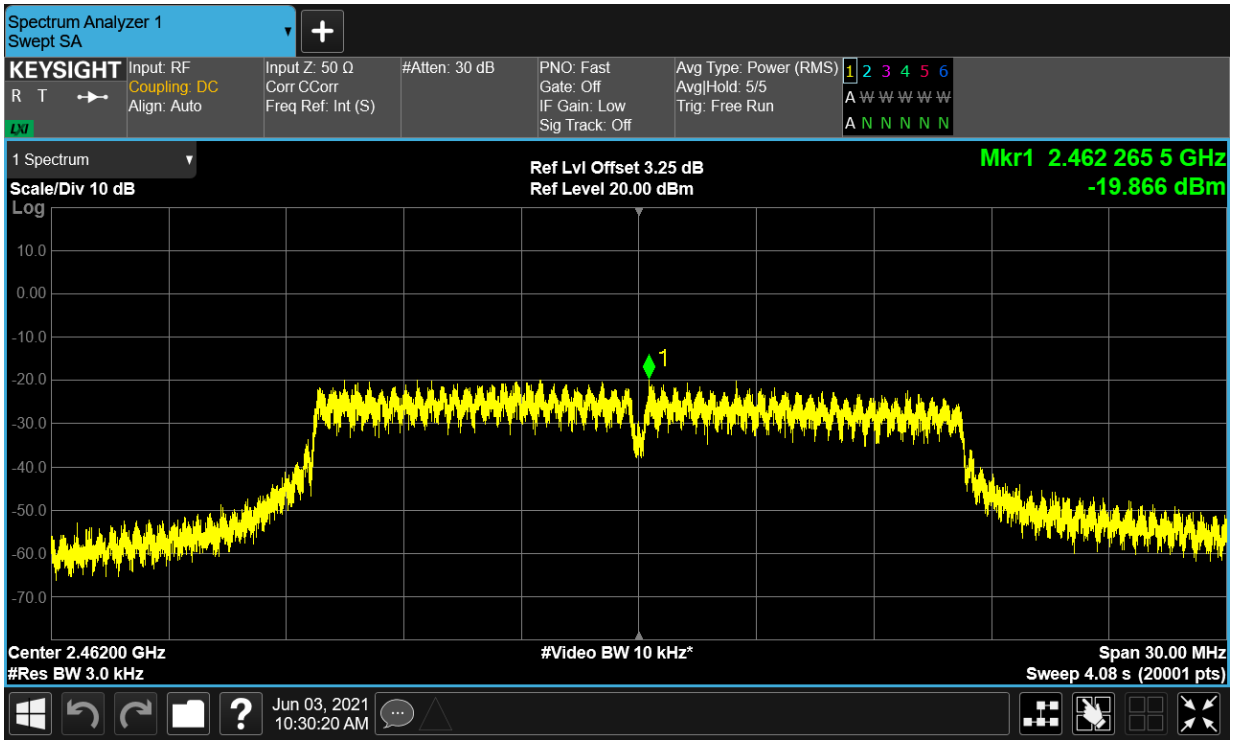
PSD NVNT g 2412MHz Ant1



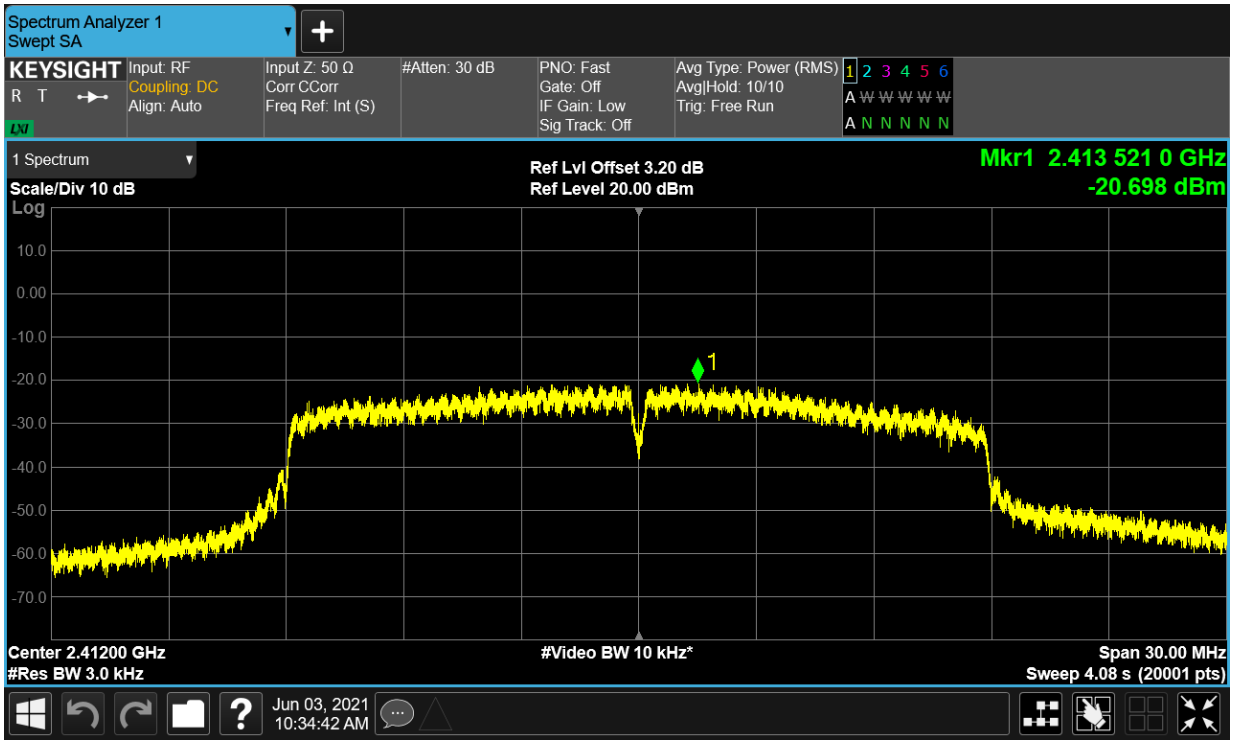
PSD NVNT g 2437MHz Ant1



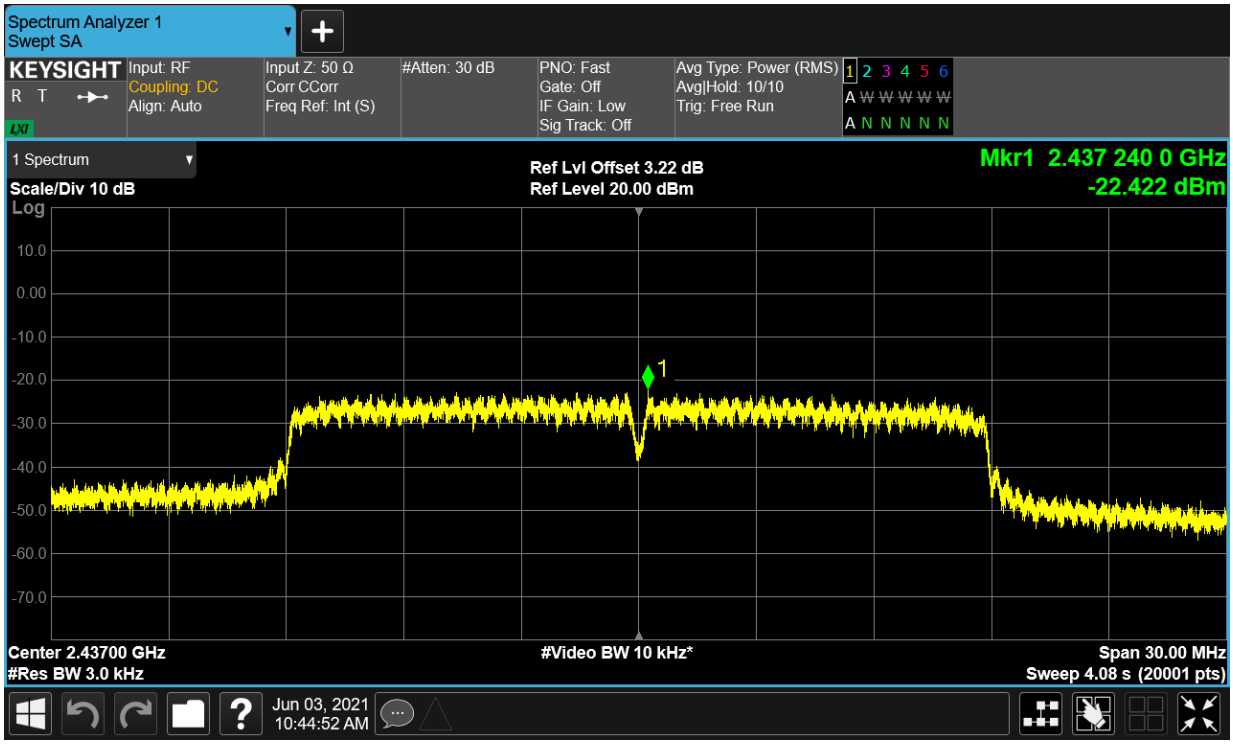
PSD NVNT g 2462MHz Ant1



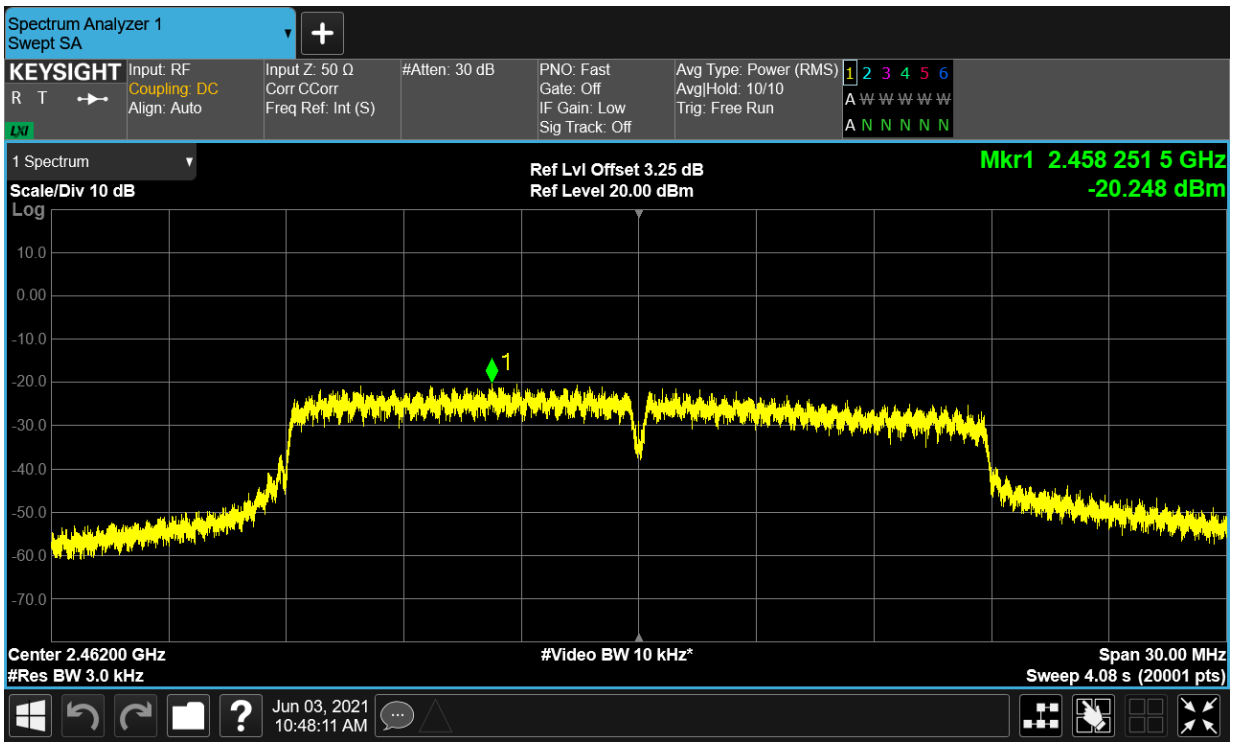
PSD NVNT n20 2412MHz Ant1



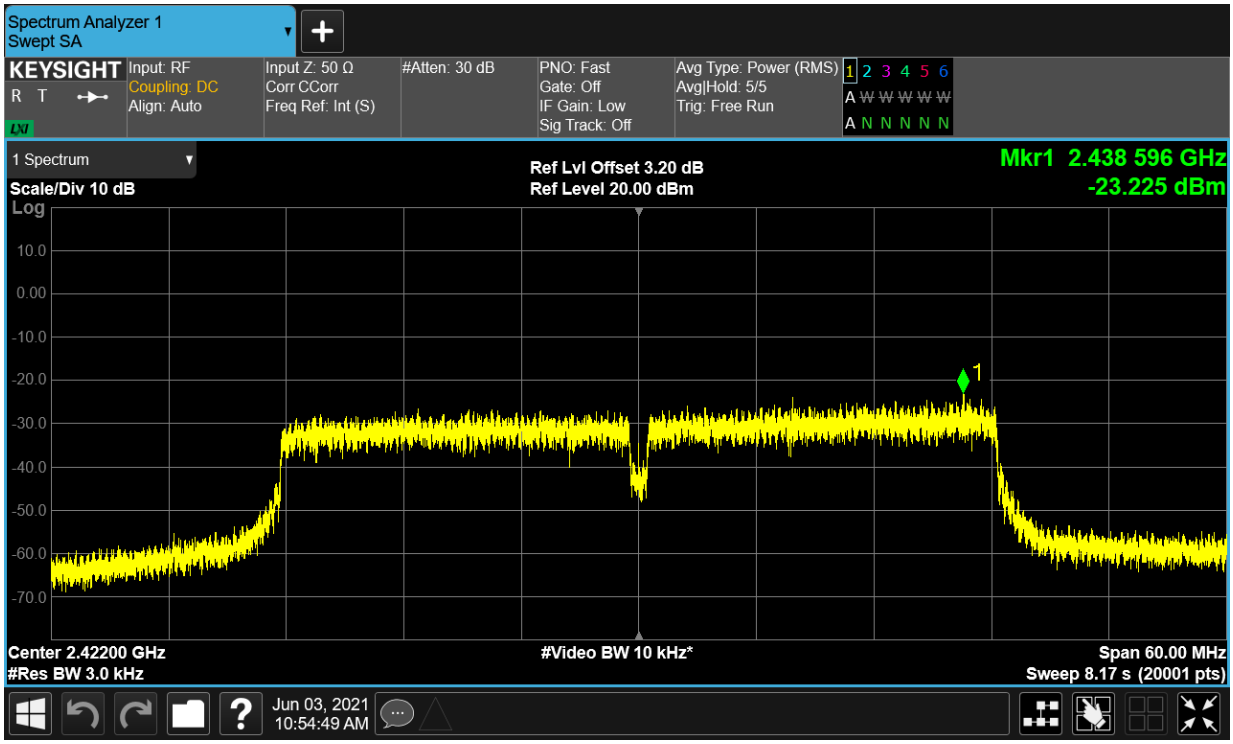
PSD NVNT n20 2437MHz Ant1



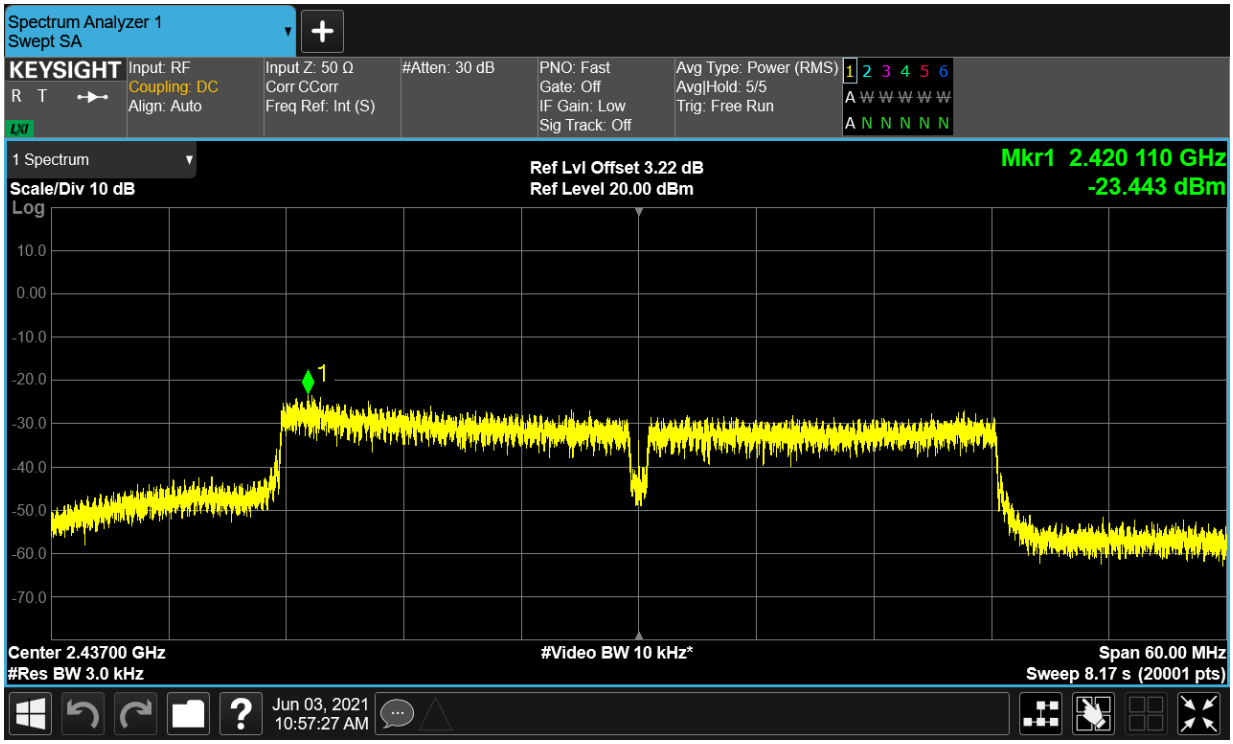
PSD NVNT n20 2462MHz Ant1



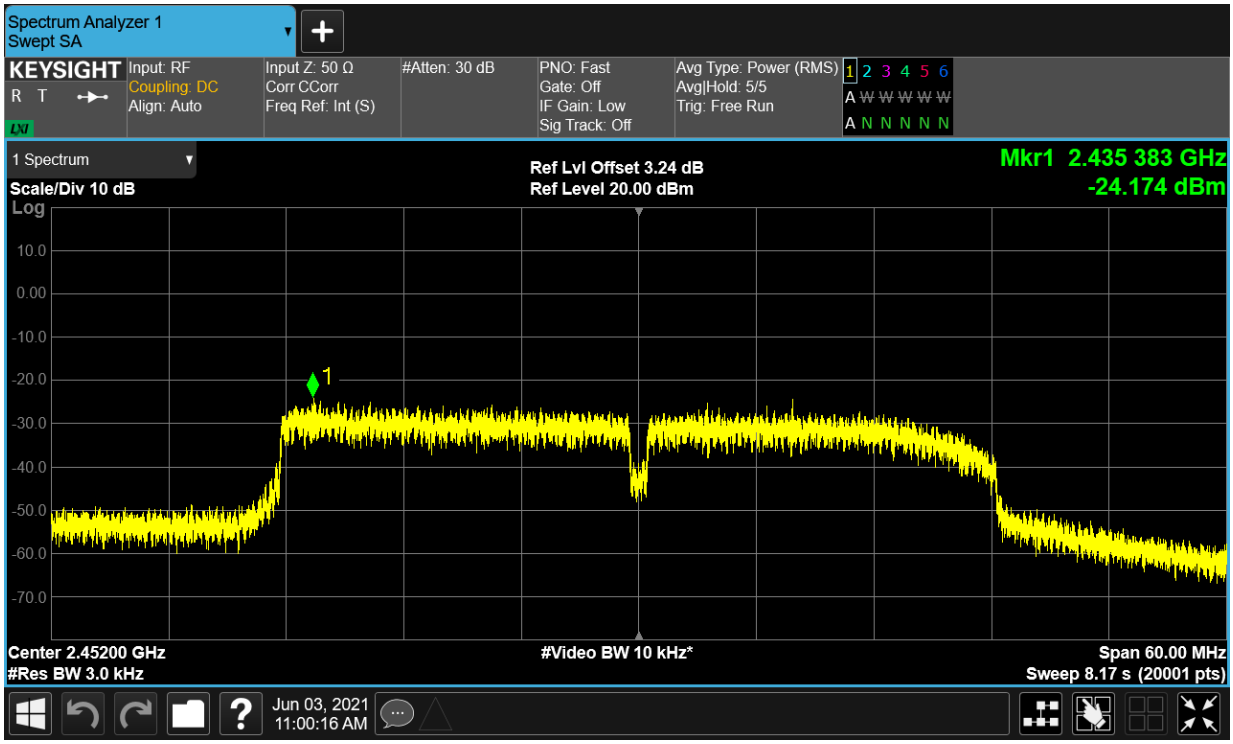
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



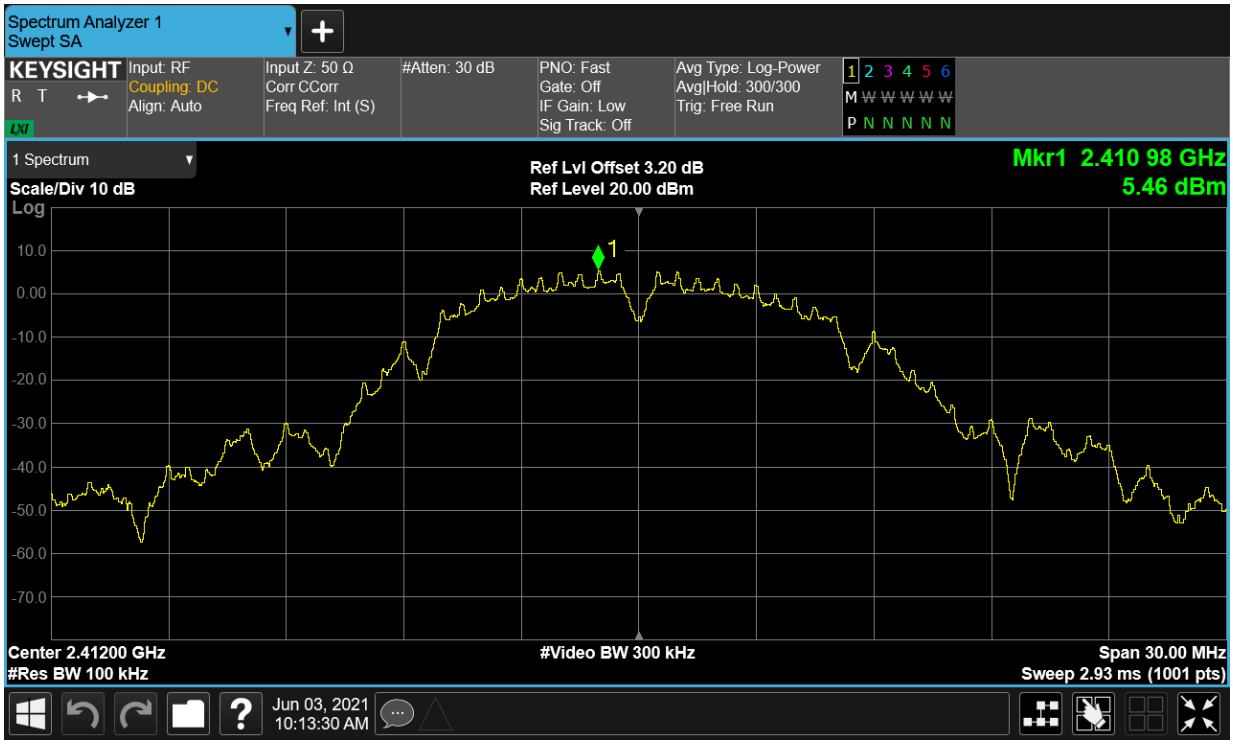
PSD NVNT n40 2452MHz Ant1



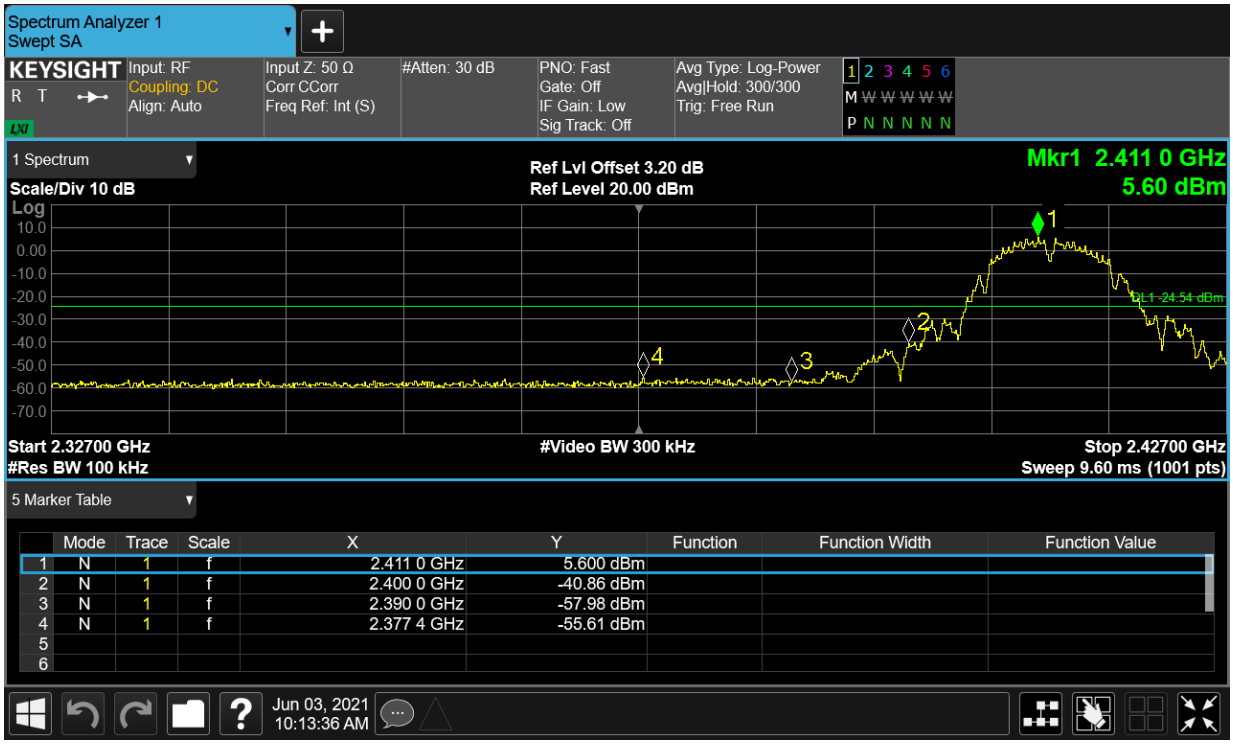
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-61.06	-30	Pass
NVNT	b	2462	Ant1	-50.29	-30	Pass
NVNT	g	2412	Ant1	-49.62	-30	Pass
NVNT	g	2462	Ant1	-38.06	-30	Pass
NVNT	n20	2412	Ant1	-43.36	-30	Pass
NVNT	n20	2462	Ant1	-37.96	-30	Pass
NVNT	n40	2422	Ant1	-41.88	-30	Pass
NVNT	n40	2452	Ant1	-30.36	-30	Pass

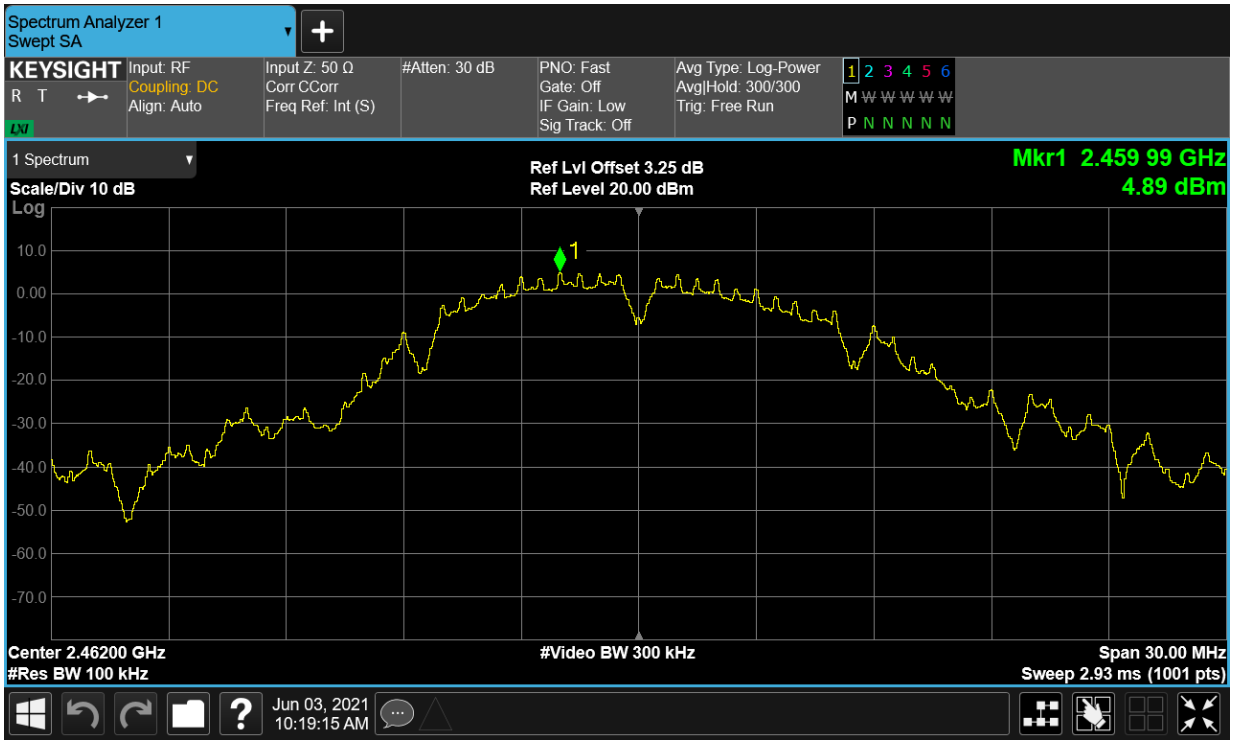
Band Edge NVNT b 2412MHz Ant1 Ref



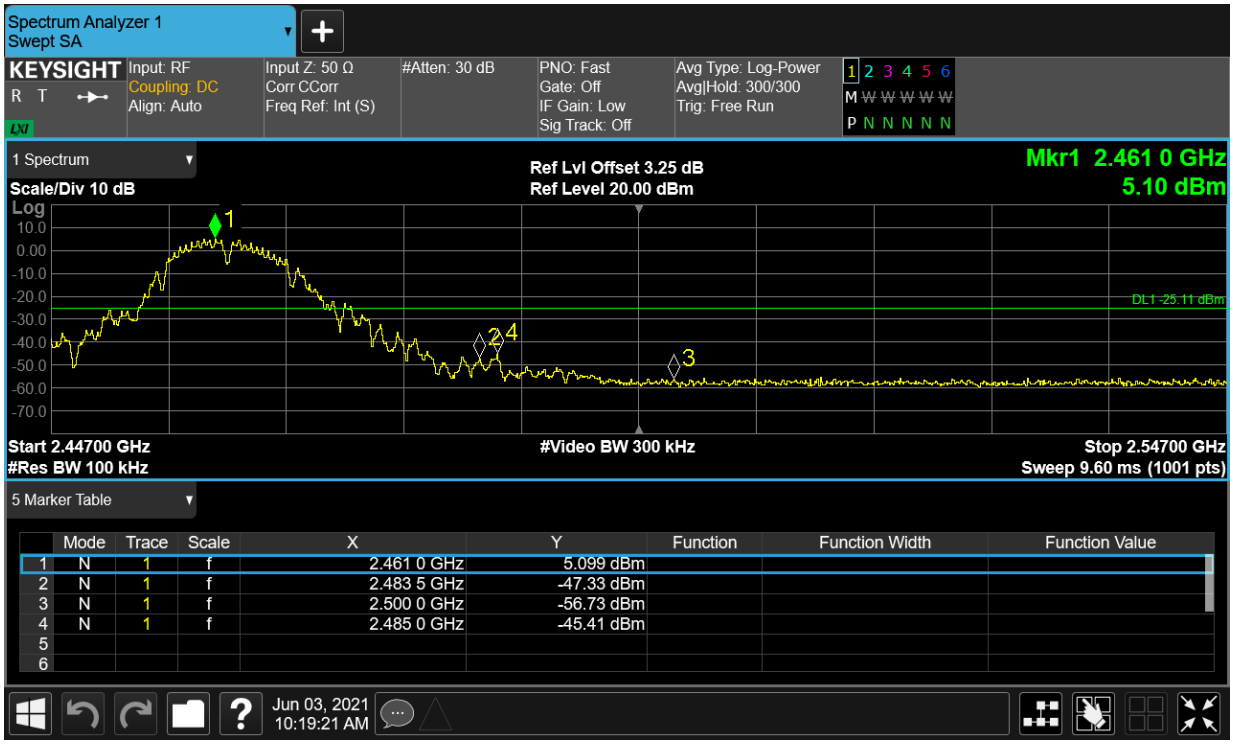
Band Edge NVNT b 2412MHz Ant1 Emission



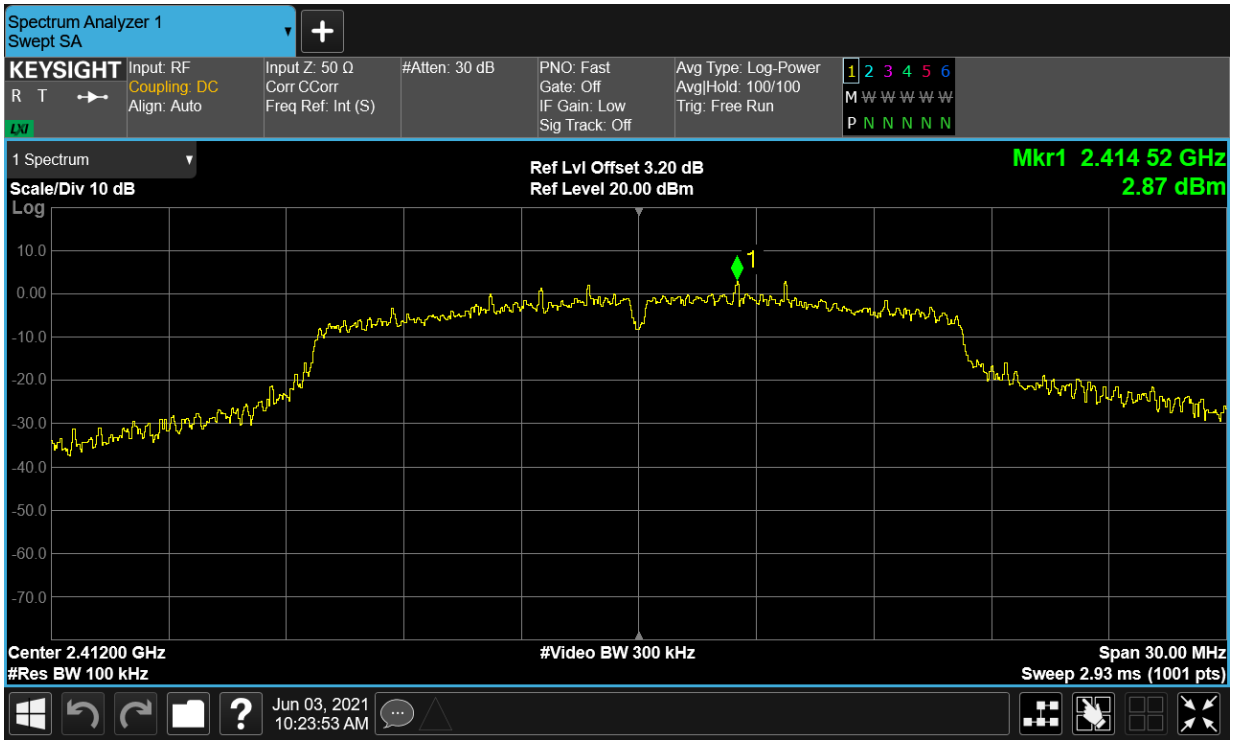
Band Edge NVNT b 2462MHz Ant1 Ref



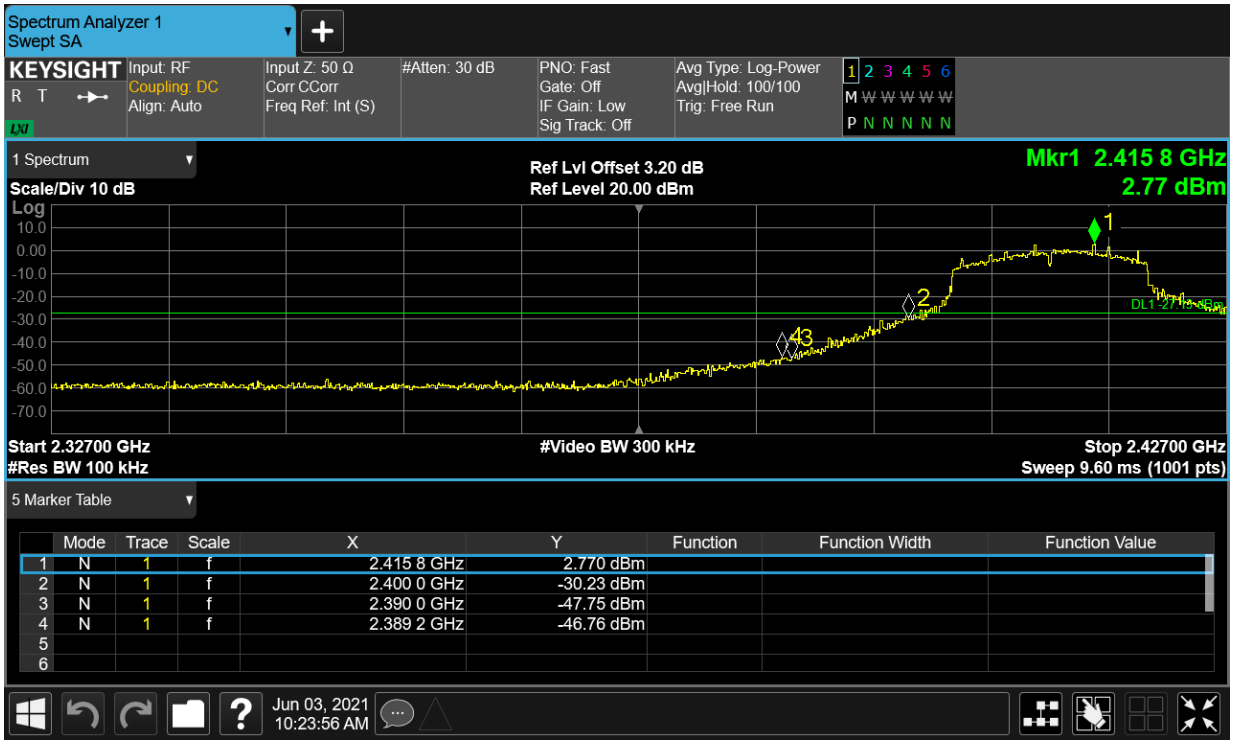
Band Edge NVNT b 2462MHz Ant1 Emission



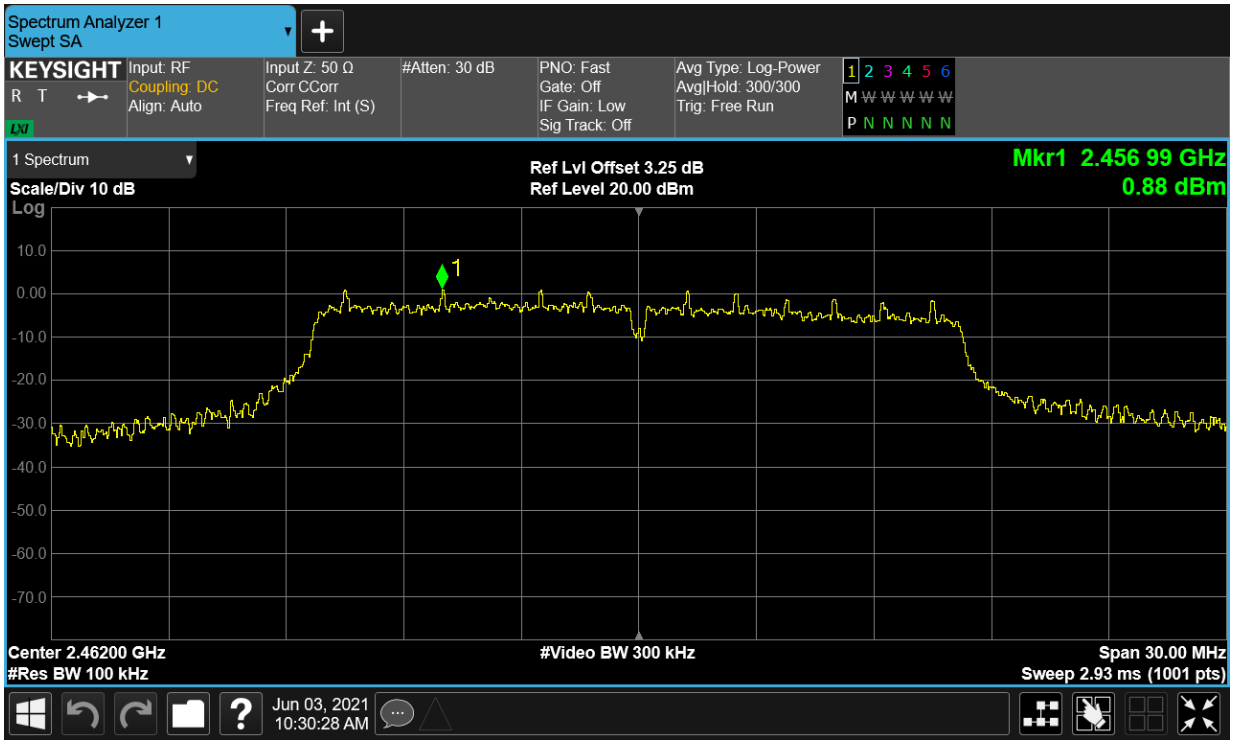
Band Edge NVNT g 2412MHz Ant1 Ref



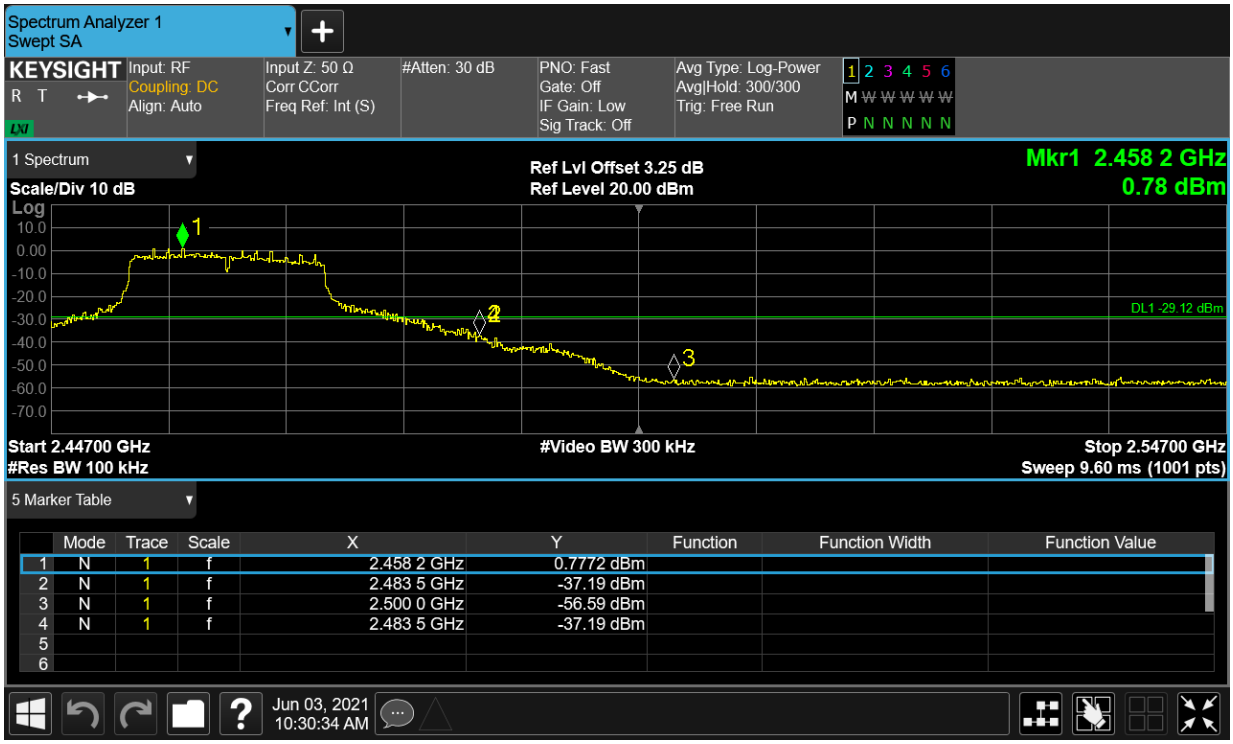
Band Edge NVNT g 2412MHz Ant1 Emission



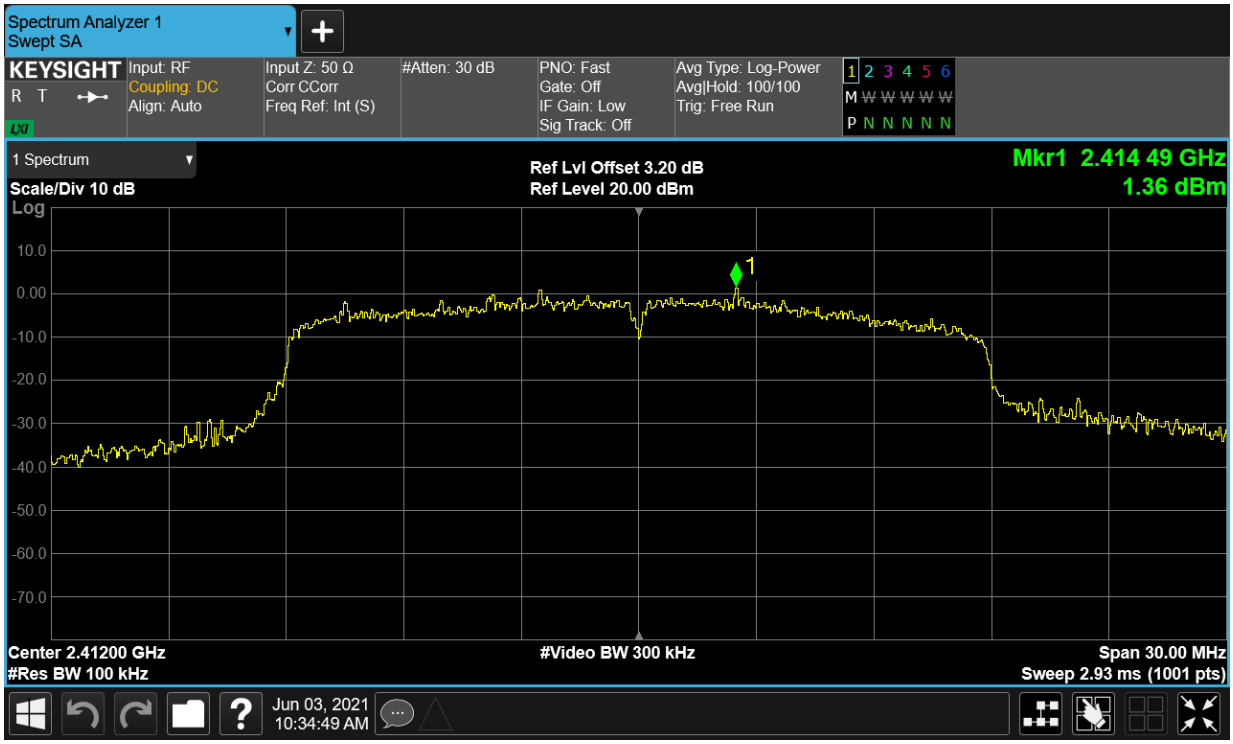
Band Edge NVNT g 2462MHz Ant1 Ref



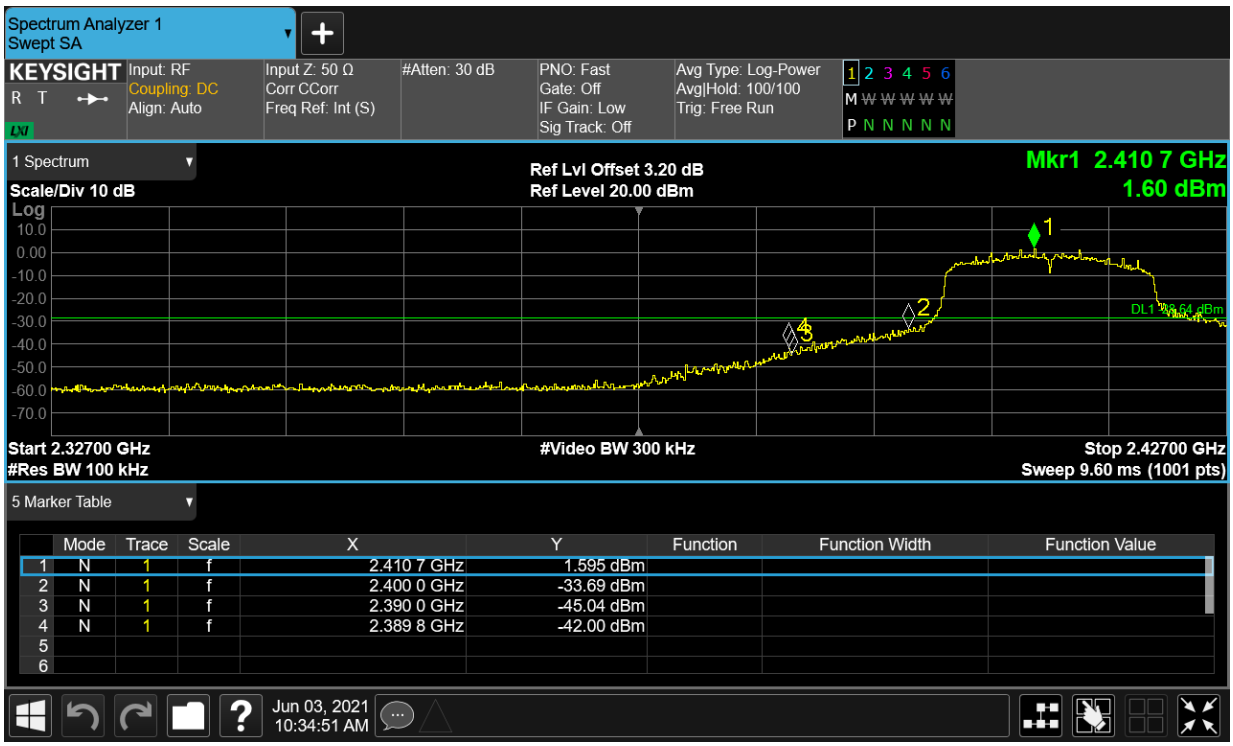
Band Edge NVNT g 2462MHz Ant1 Emission



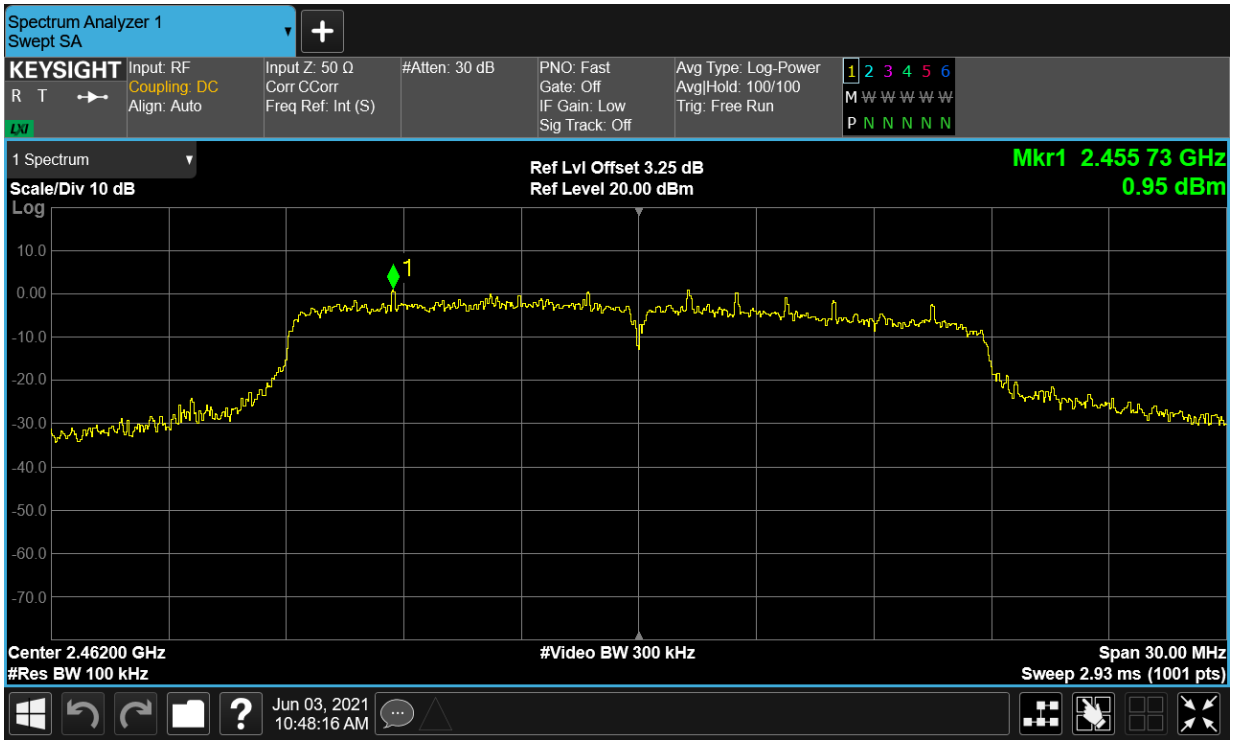
Band Edge NVNT n20 2412MHz Ant1 Ref



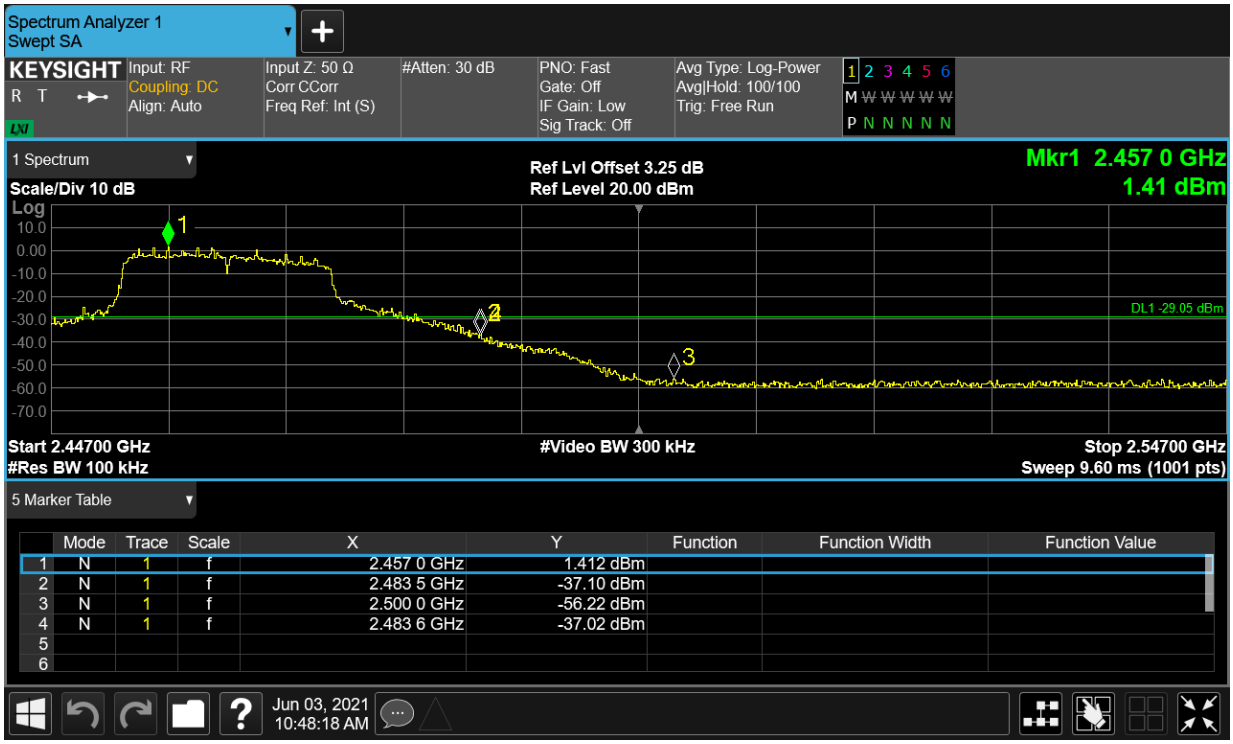
Band Edge NVNT n20 2412MHz Ant1 Emission



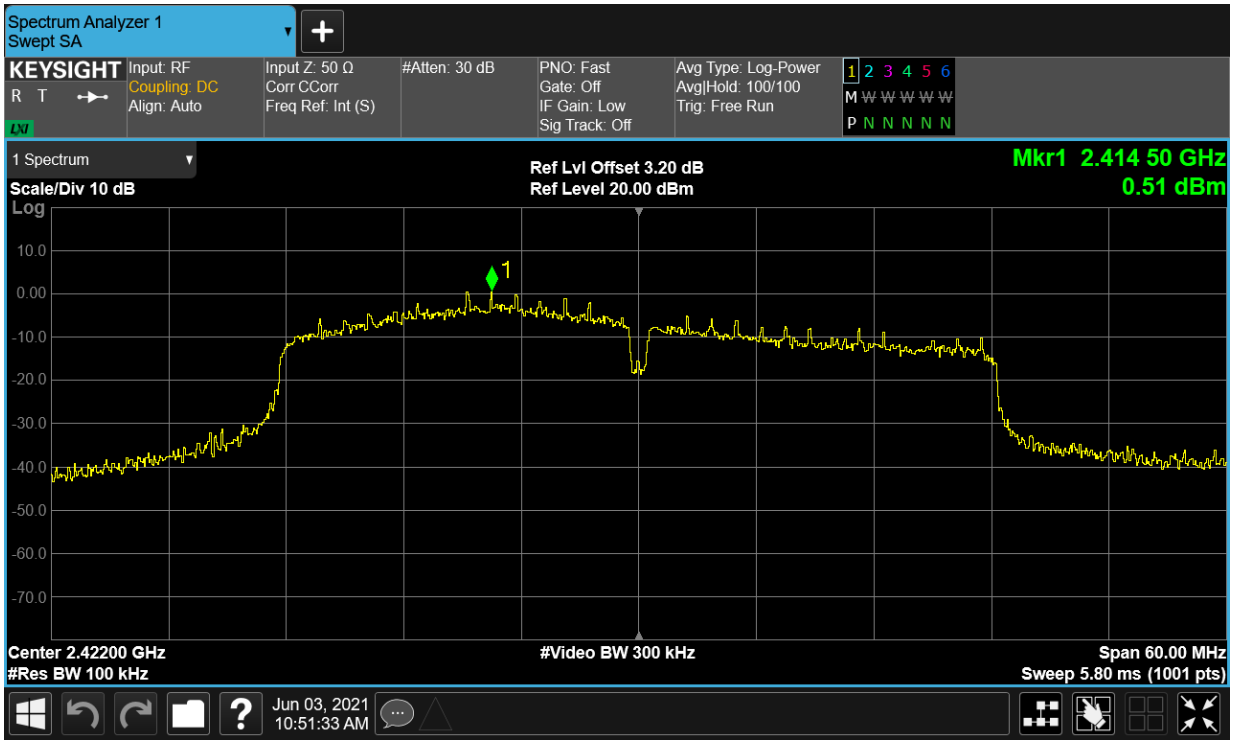
Band Edge NVNT n20 2462MHz Ant1 Ref



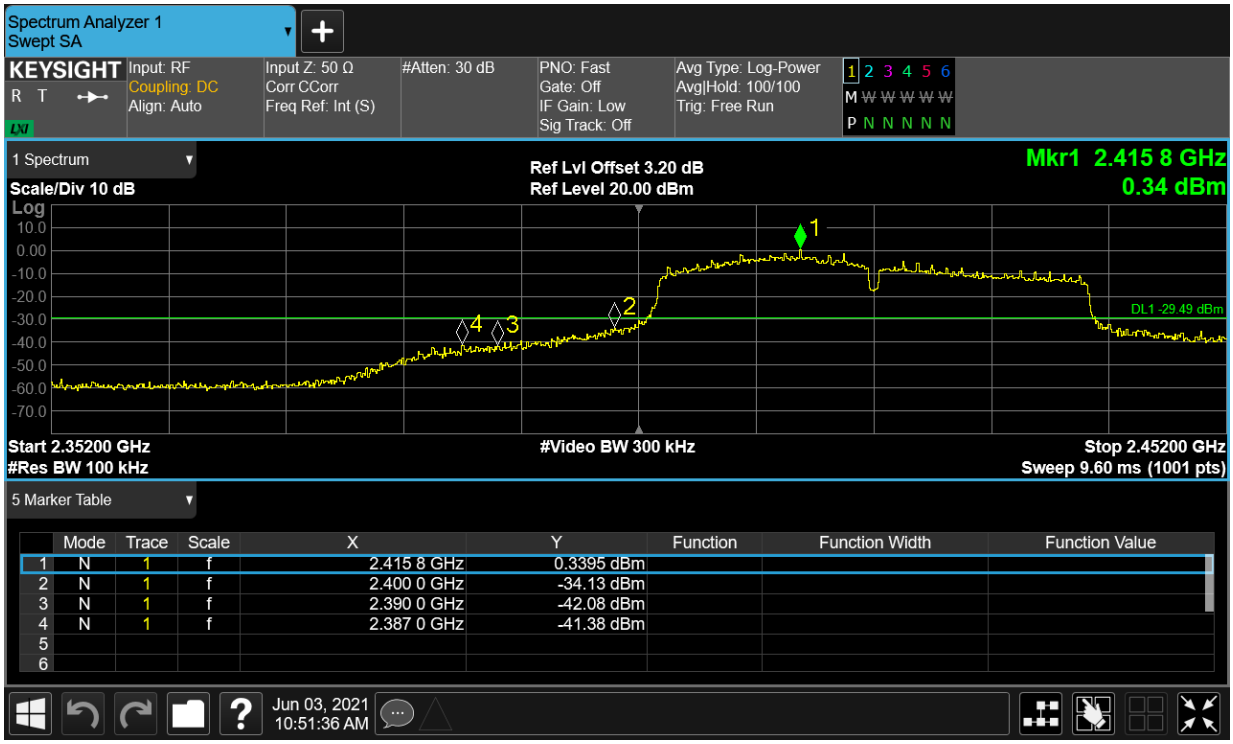
Band Edge NVNT n20 2462MHz Ant1 Emission



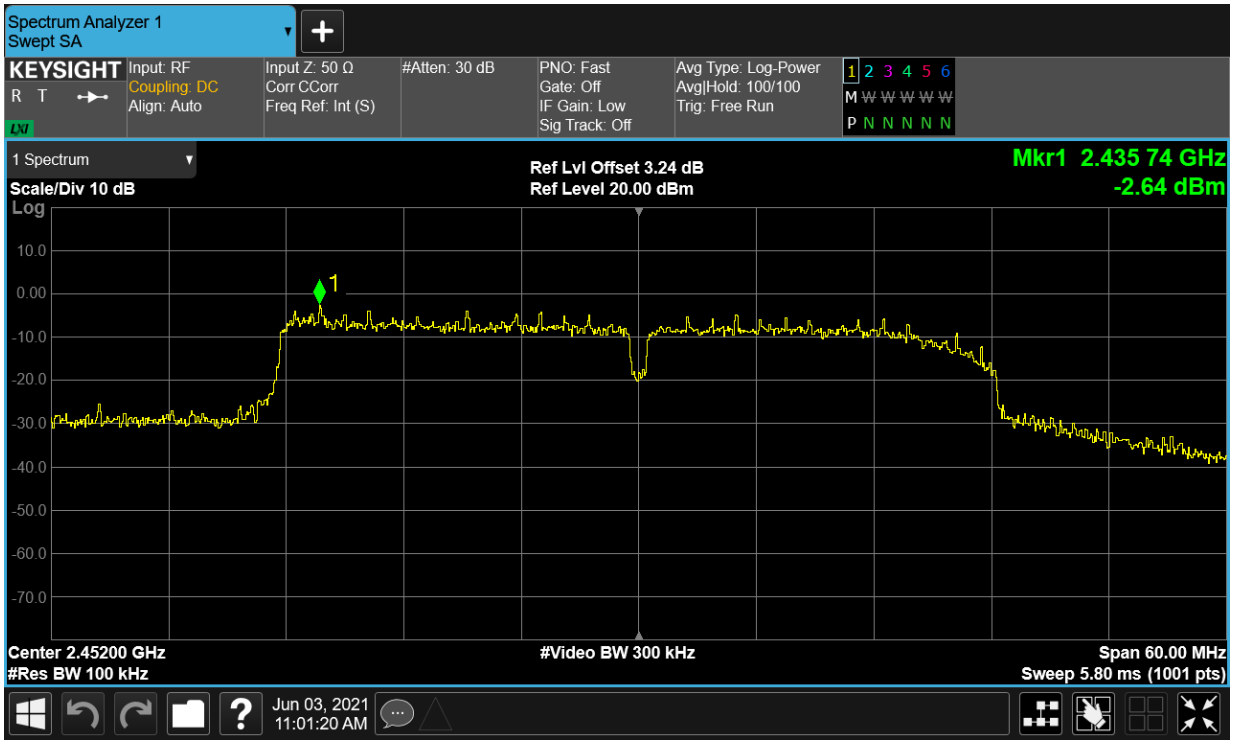
Band Edge NVNT n40 2422MHz Ant1 Ref



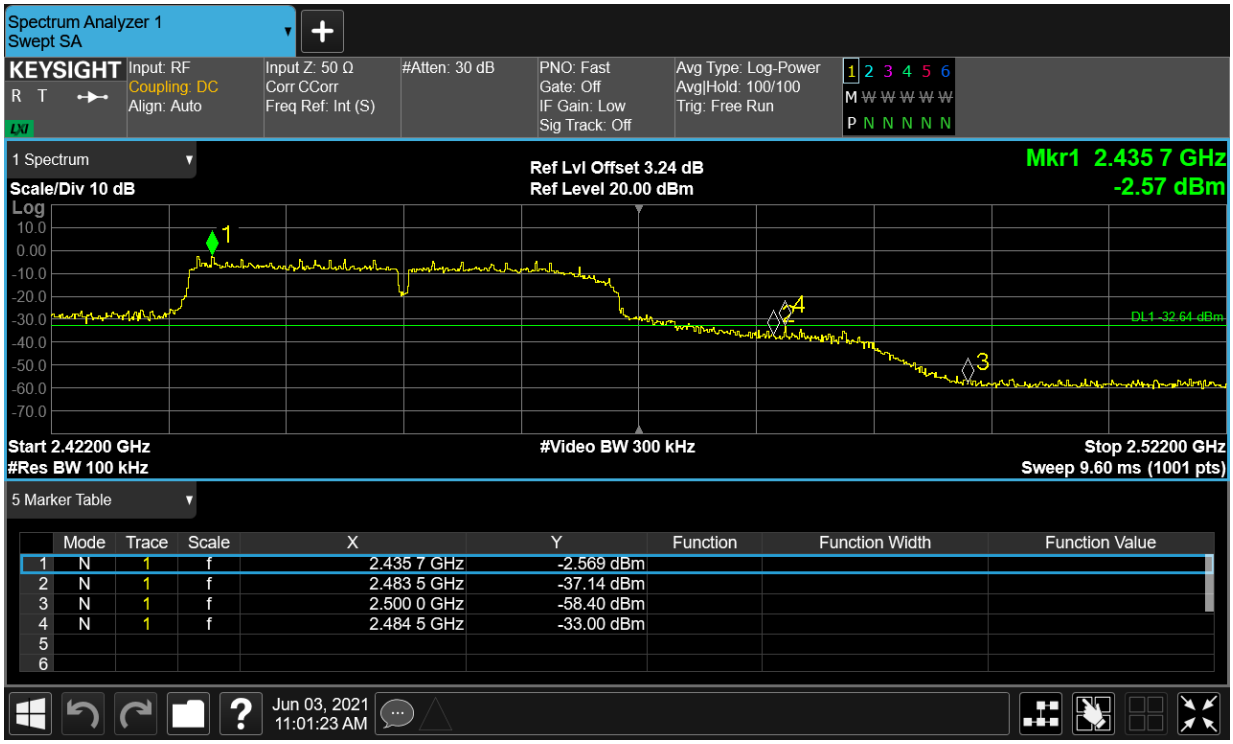
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission

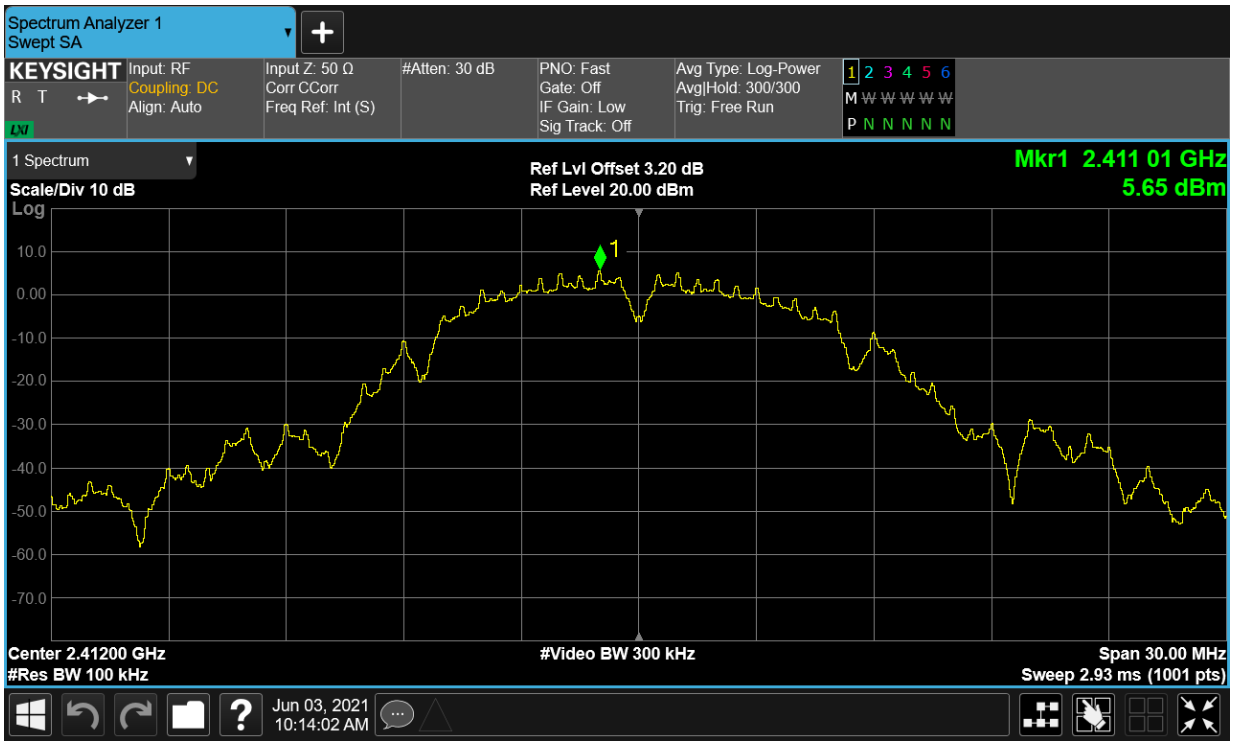


Conducted RF Spurious Emission

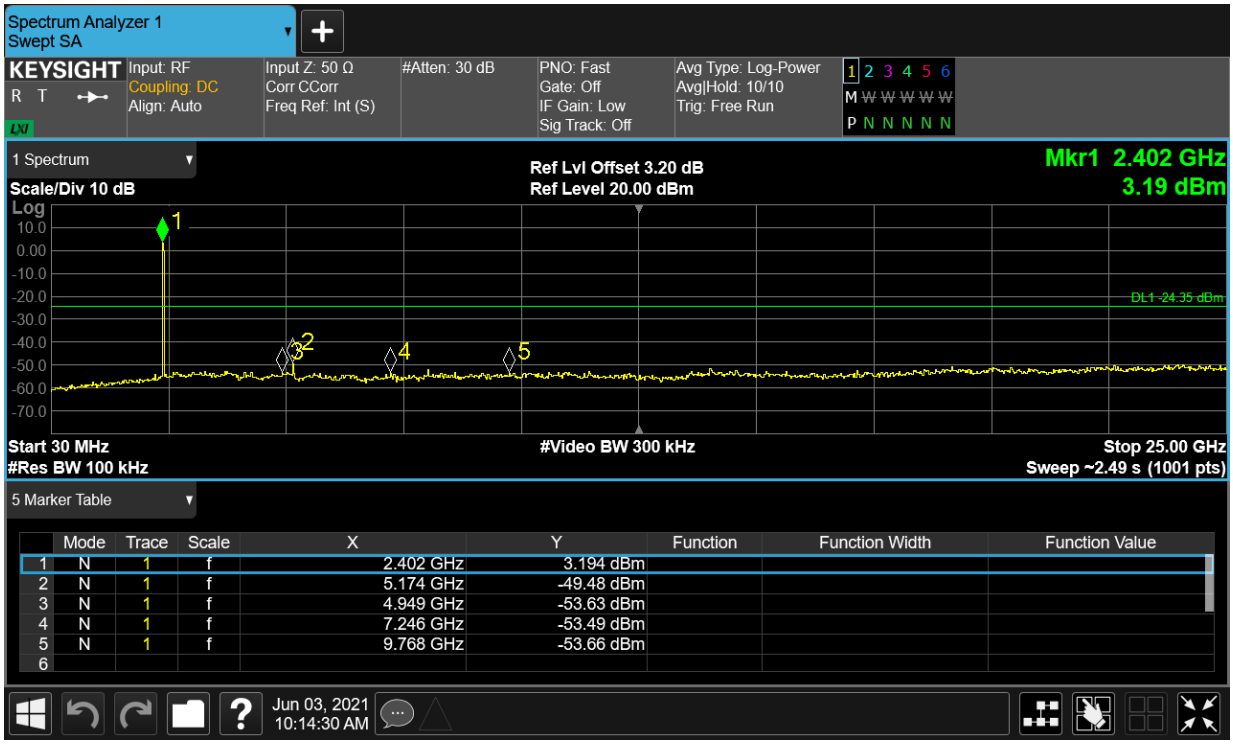
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.12	-30	Pass
NVNT	b	2437	Ant1	-51.96	-30	Pass
NVNT	b	2462	Ant1	-54.84	-30	Pass

NVNT	g	2412	Ant1	-52.49	-30	Pass
NVNT	g	2437	Ant1	-49.14	-30	Pass
NVNT	g	2462	Ant1	-34.7	-30	Pass
NVNT	n20	2412	Ant1	-50.91	-30	Pass
NVNT	n20	2437	Ant1	-58.49	-30	Pass
NVNT	n20	2462	Ant1	-46.66	-30	Pass
NVNT	n40	2422	Ant1	-49.61	-30	Pass
NVNT	n40	2437	Ant1	-47.02	-30	Pass
NVNT	n40	2452	Ant1	-37.02	-30	Pass

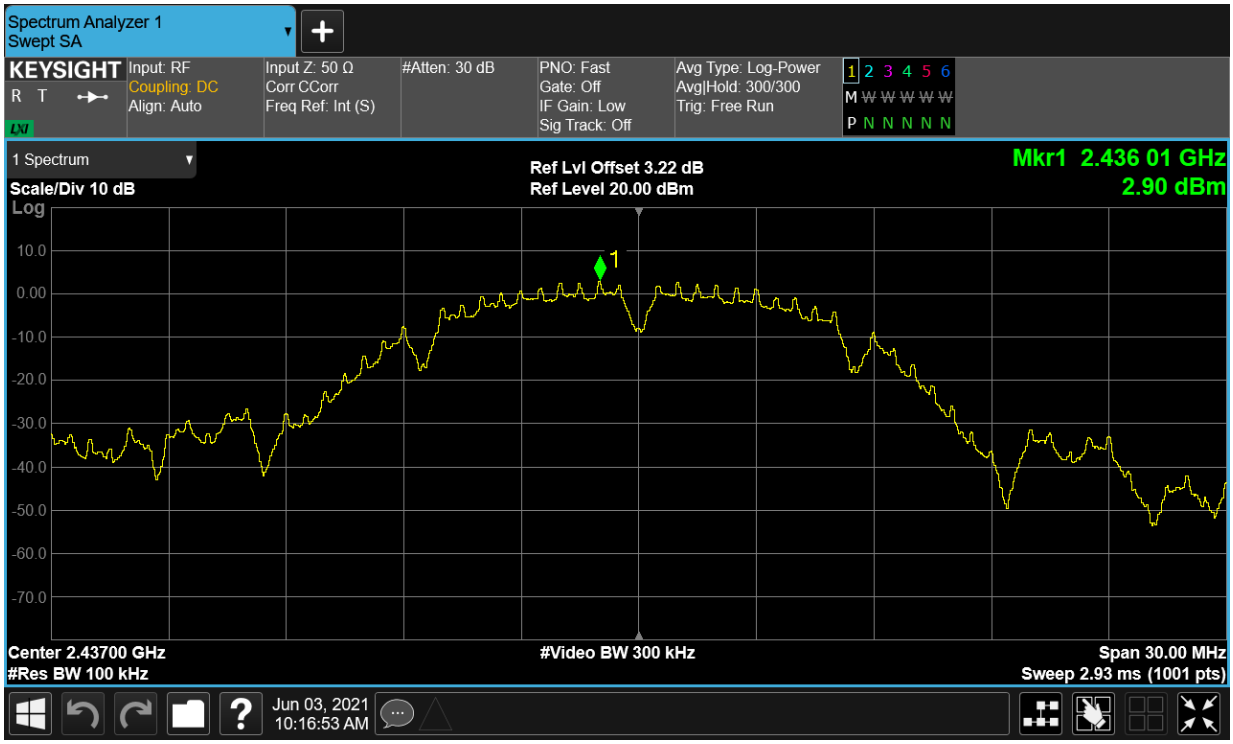
Tx. Spurious NVNT b 2412MHz Ant1 Ref



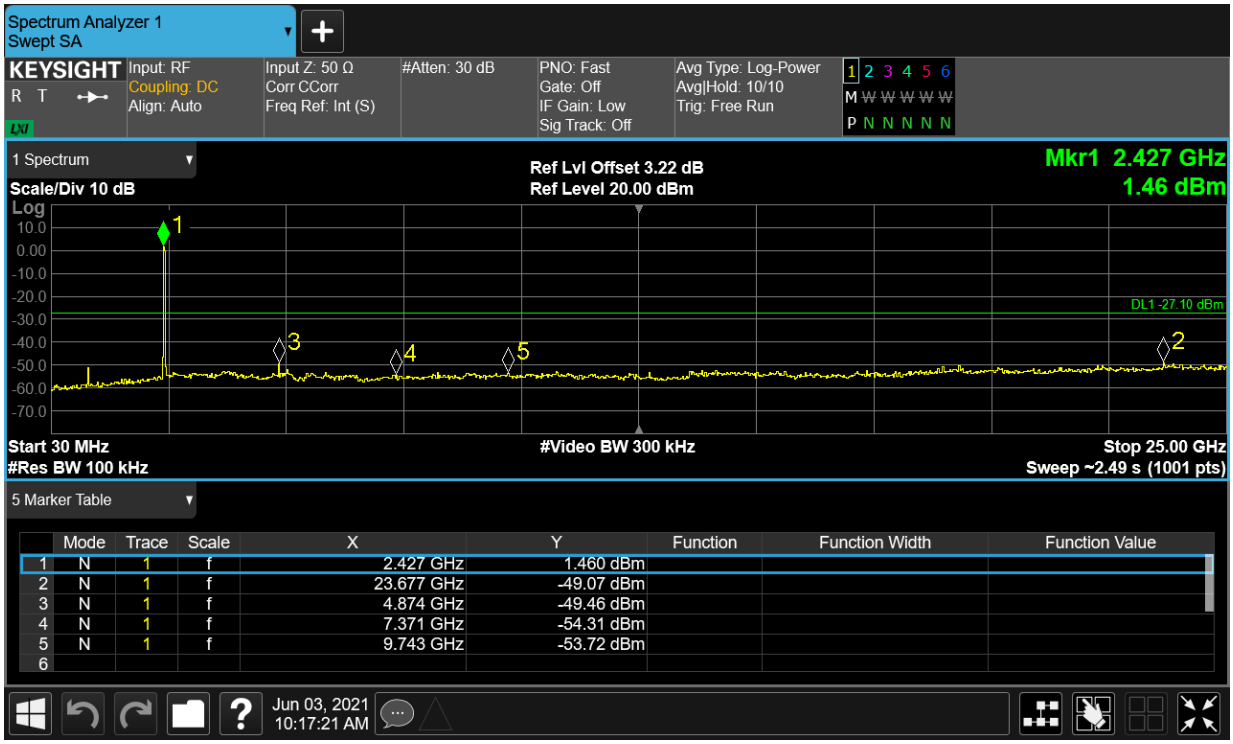
Tx. Spurious NVNT b 2412MHz Ant1 Emission



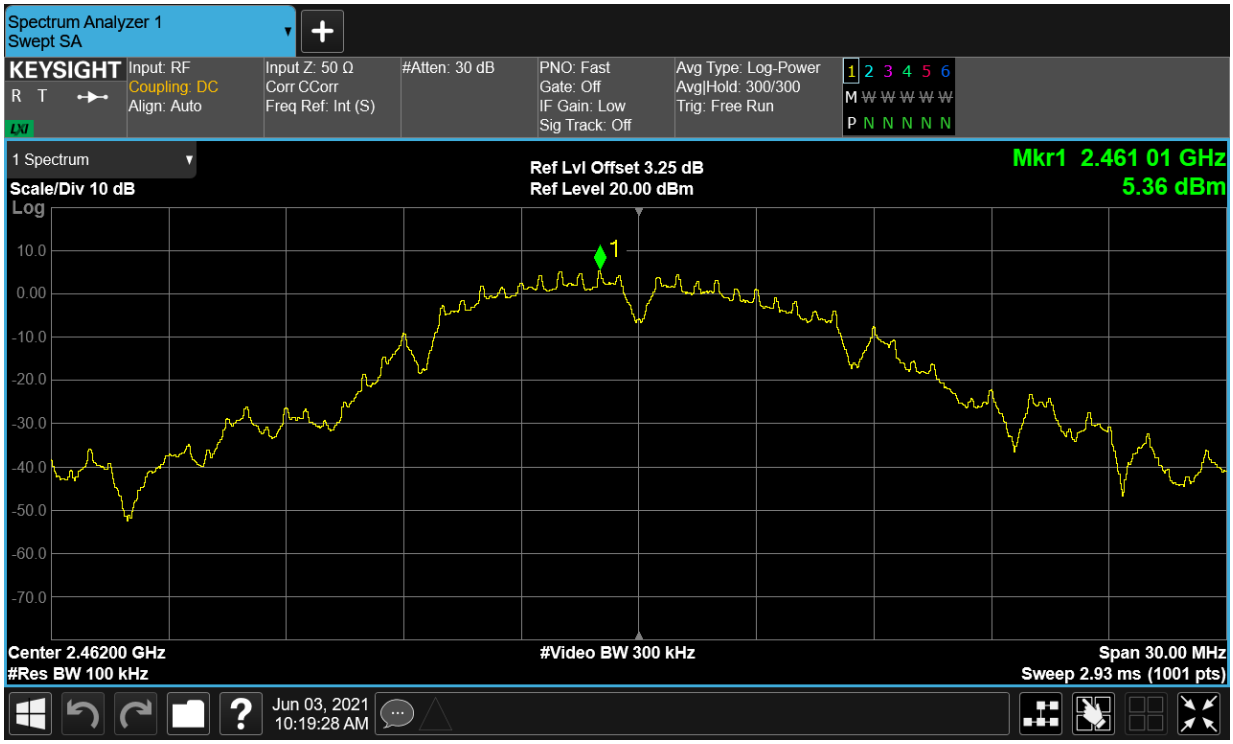
Tx. Spurious NVNT b 2437MHz Ant1 Ref



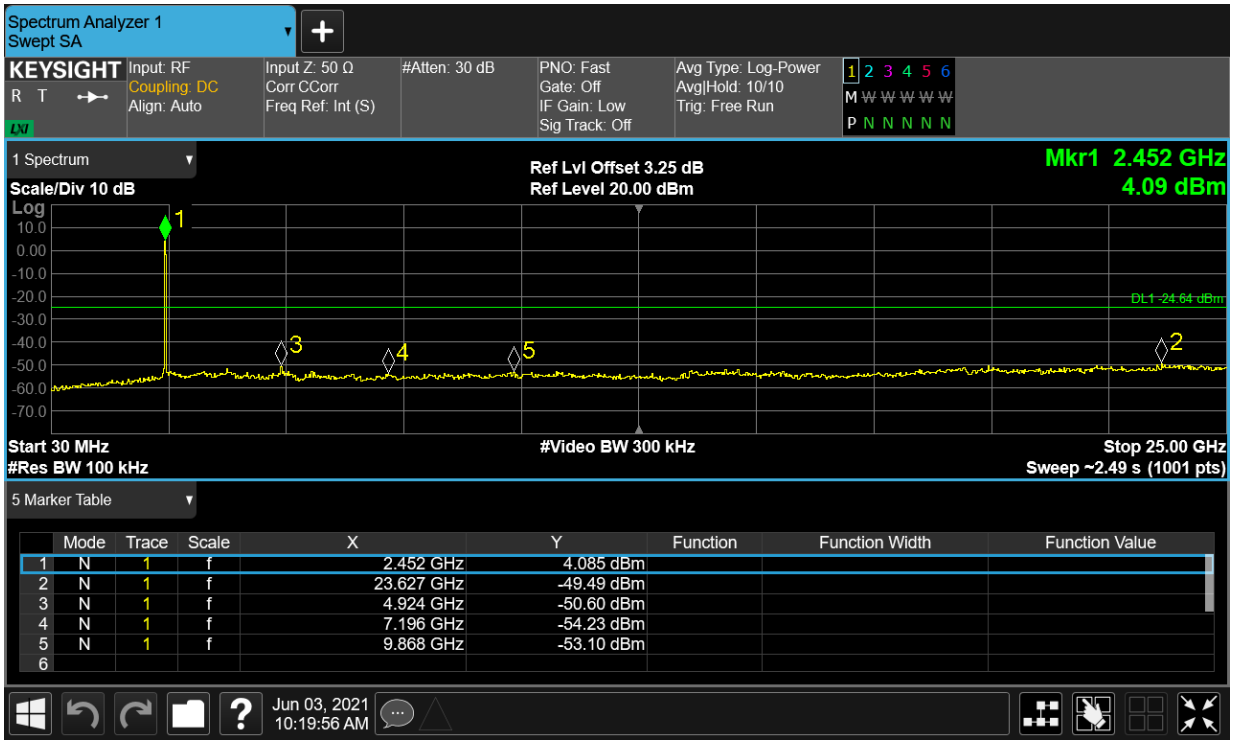
Tx. Spurious NVNT b 2437MHz Ant1 Emission



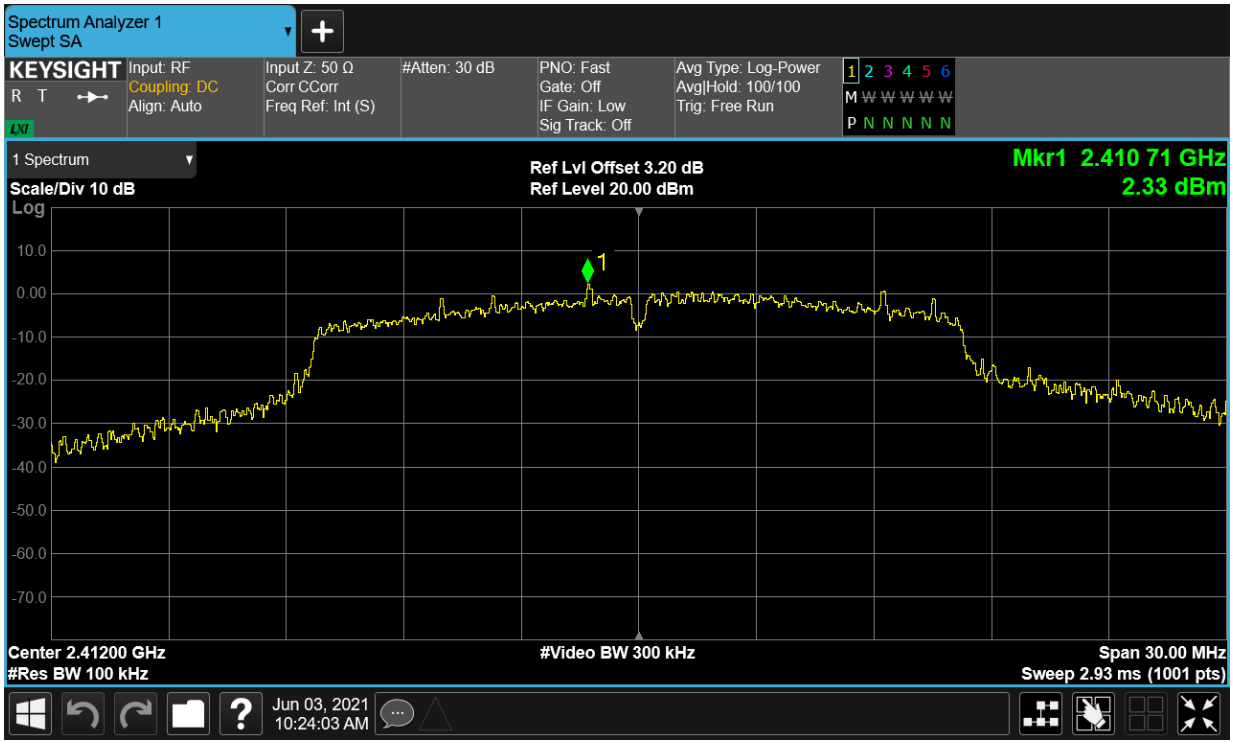
Tx. Spurious NVNT b 2462MHz Ant1 Ref



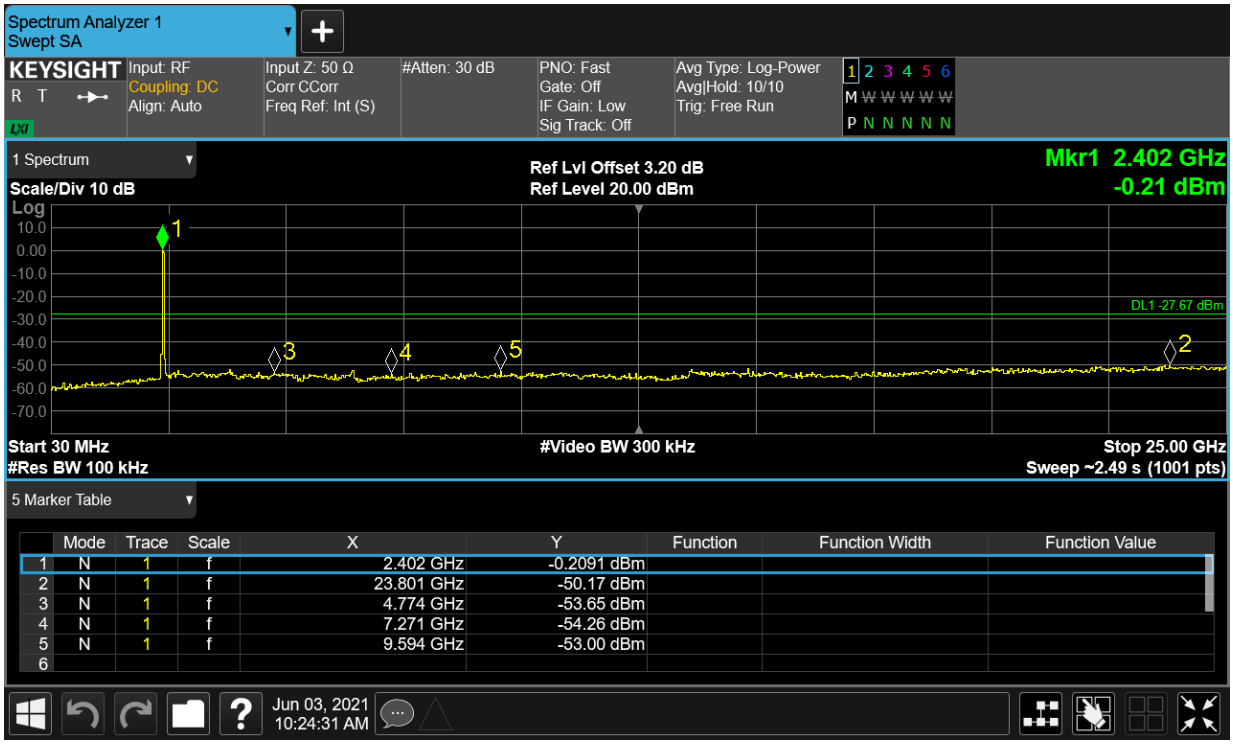
Tx. Spurious NVNT b 2462MHz Ant1 Emission



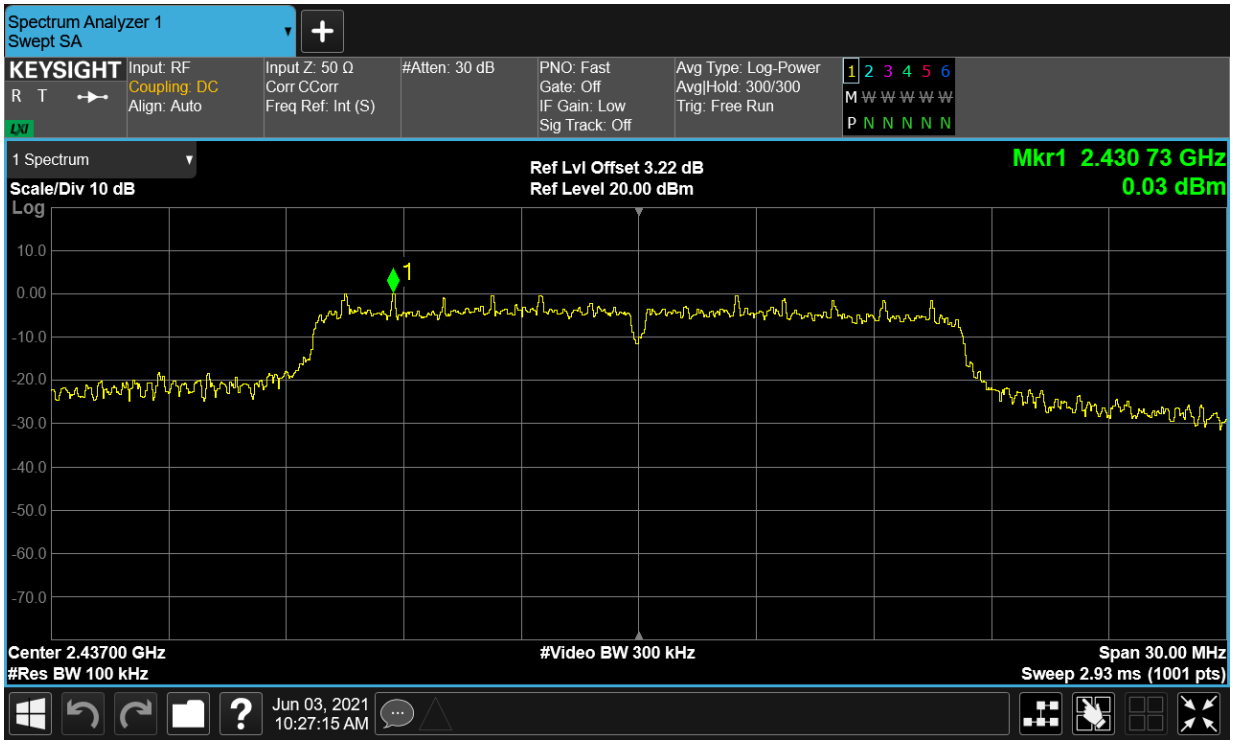
Tx. Spurious NVNT g 2412MHz Ant1 Ref



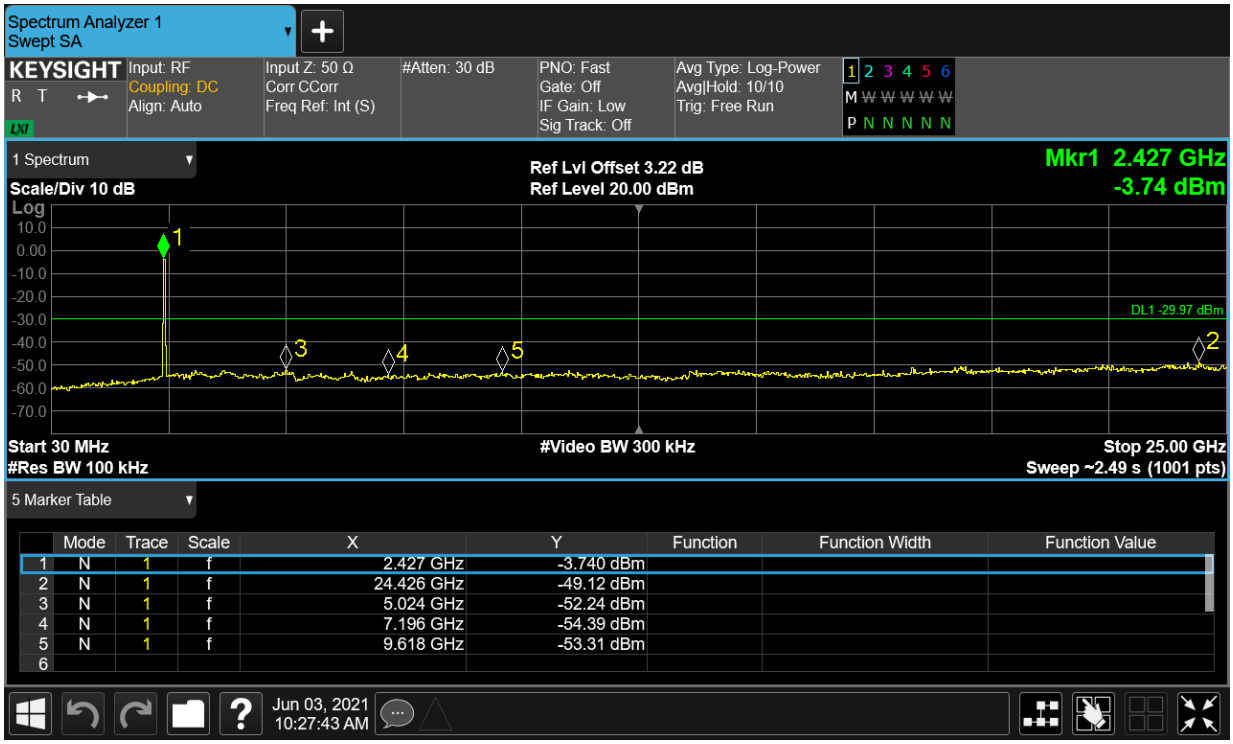
Tx. Spurious NVNT g 2412MHz Ant1 Emission



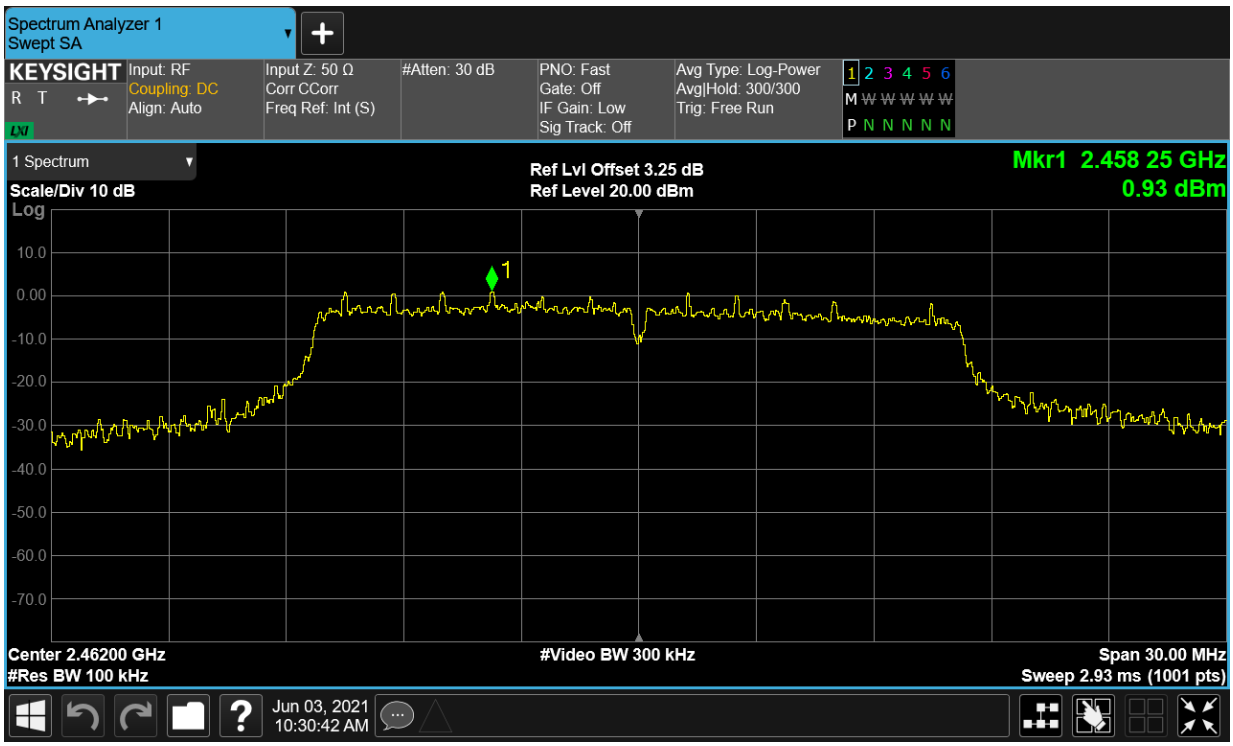
Tx. Spurious NVNT g 2437MHz Ant1 Ref



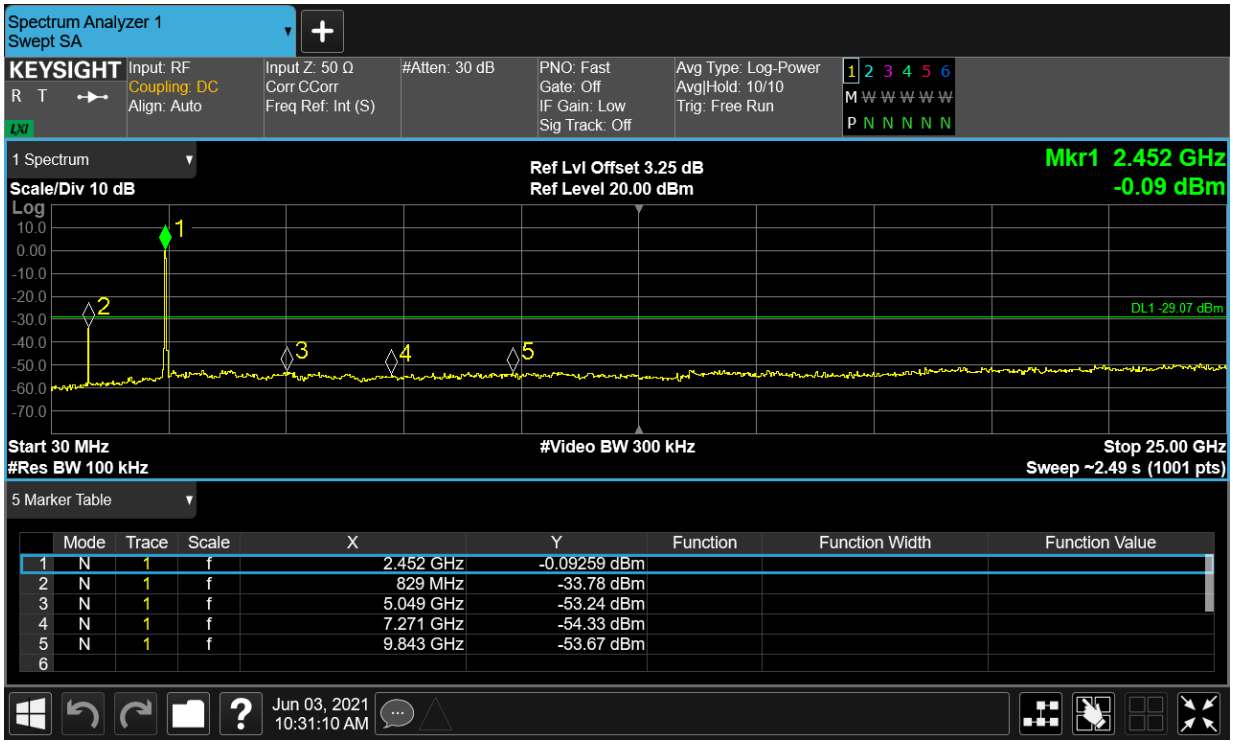
Tx. Spurious NVNT g 2437MHz Ant1 Emission



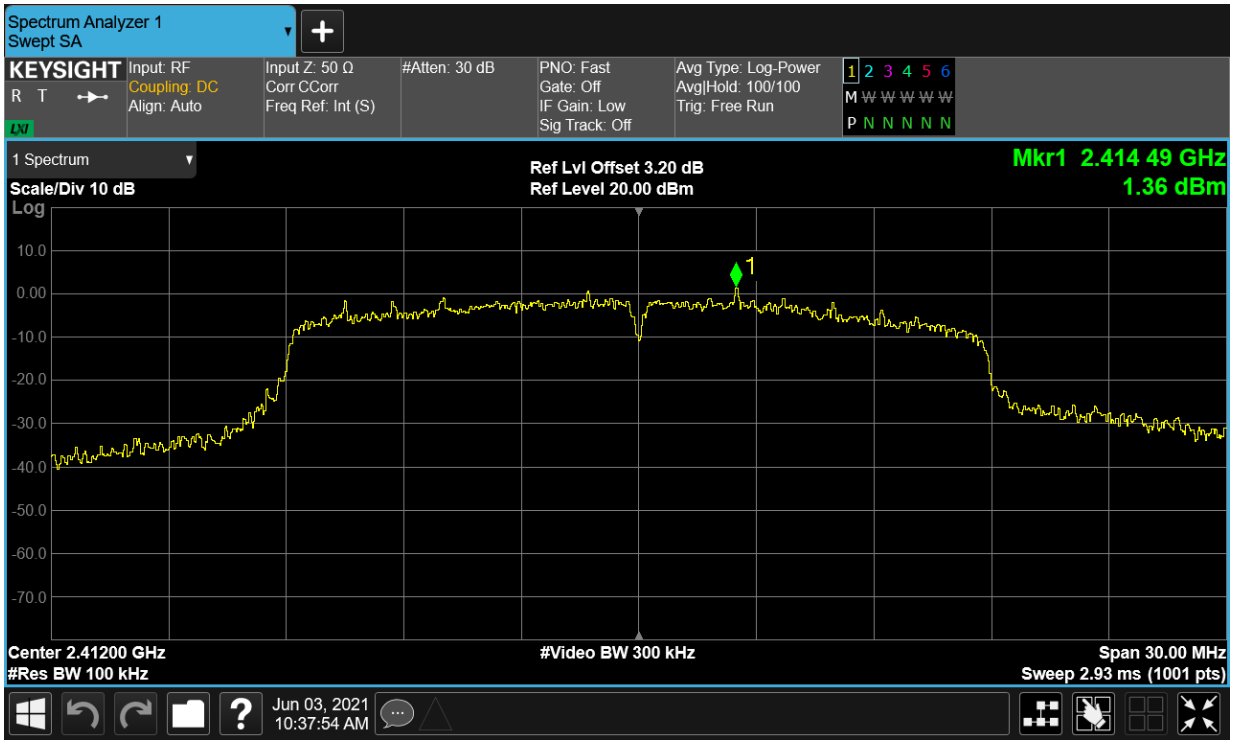
Tx. Spurious NVNT g 2462MHz Ant1 Ref



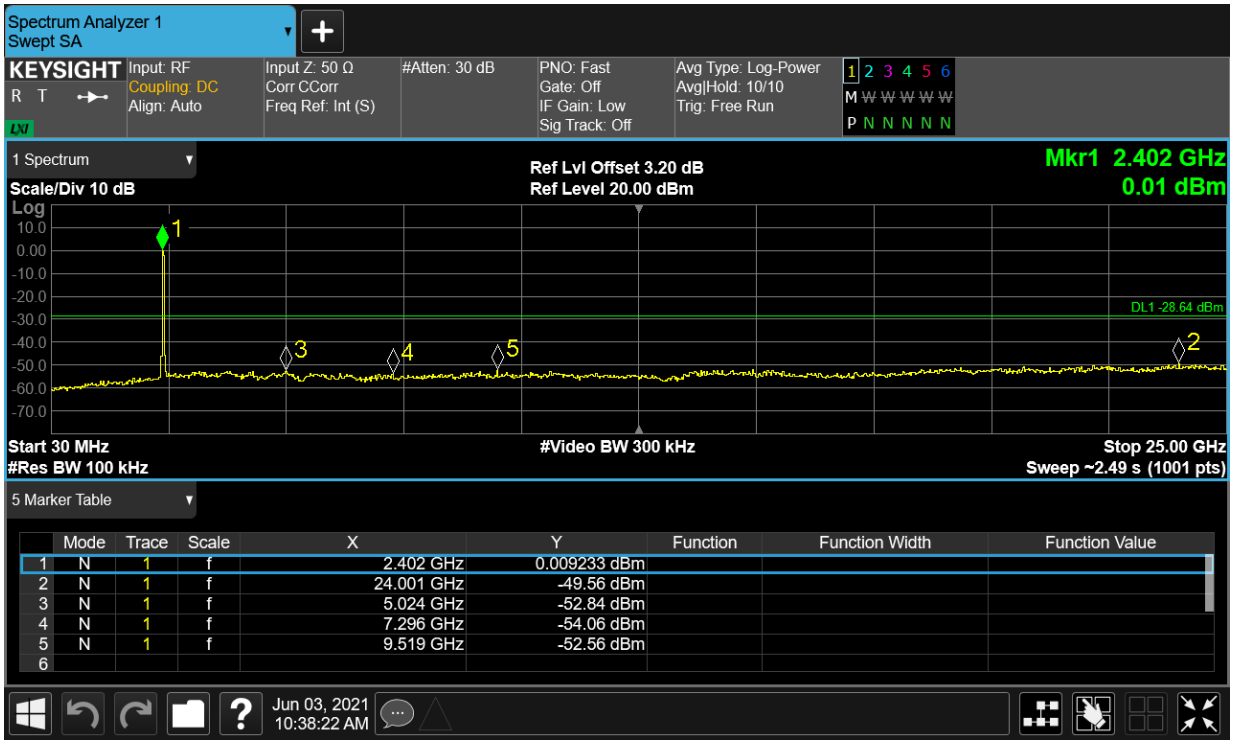
Tx. Spurious NVNT g 2462MHz Ant1 Emission



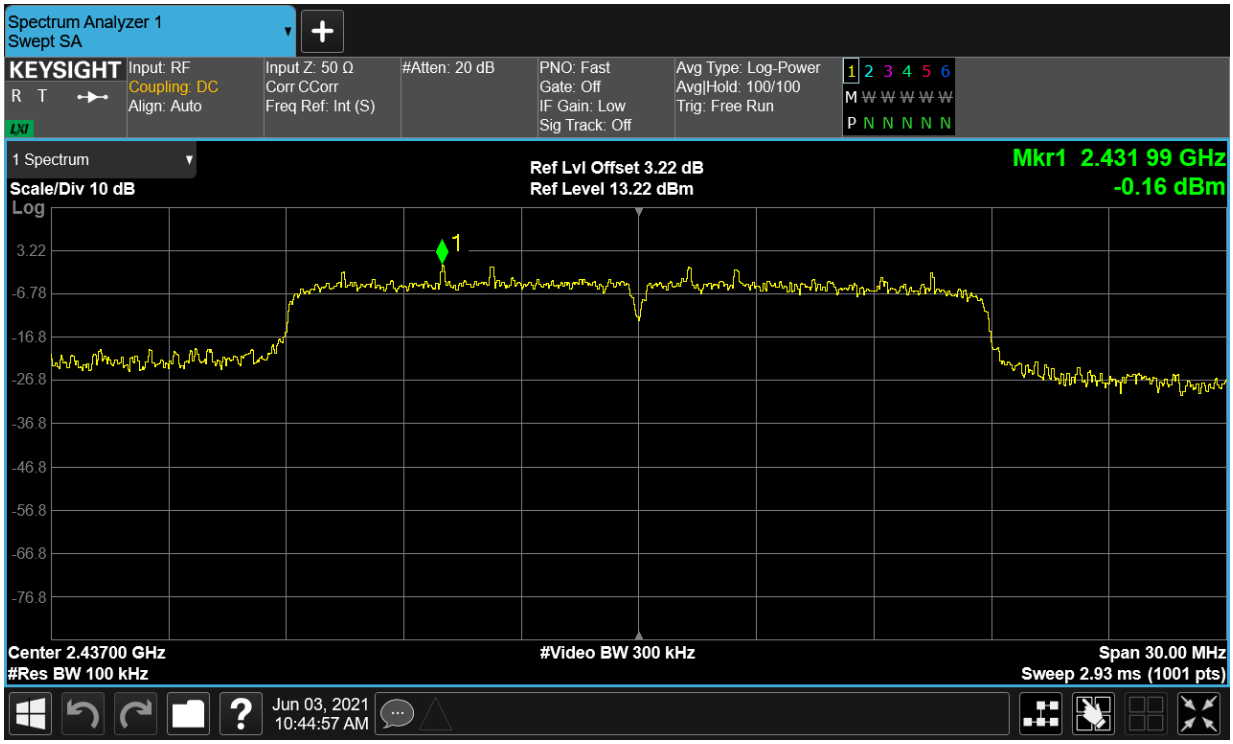
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



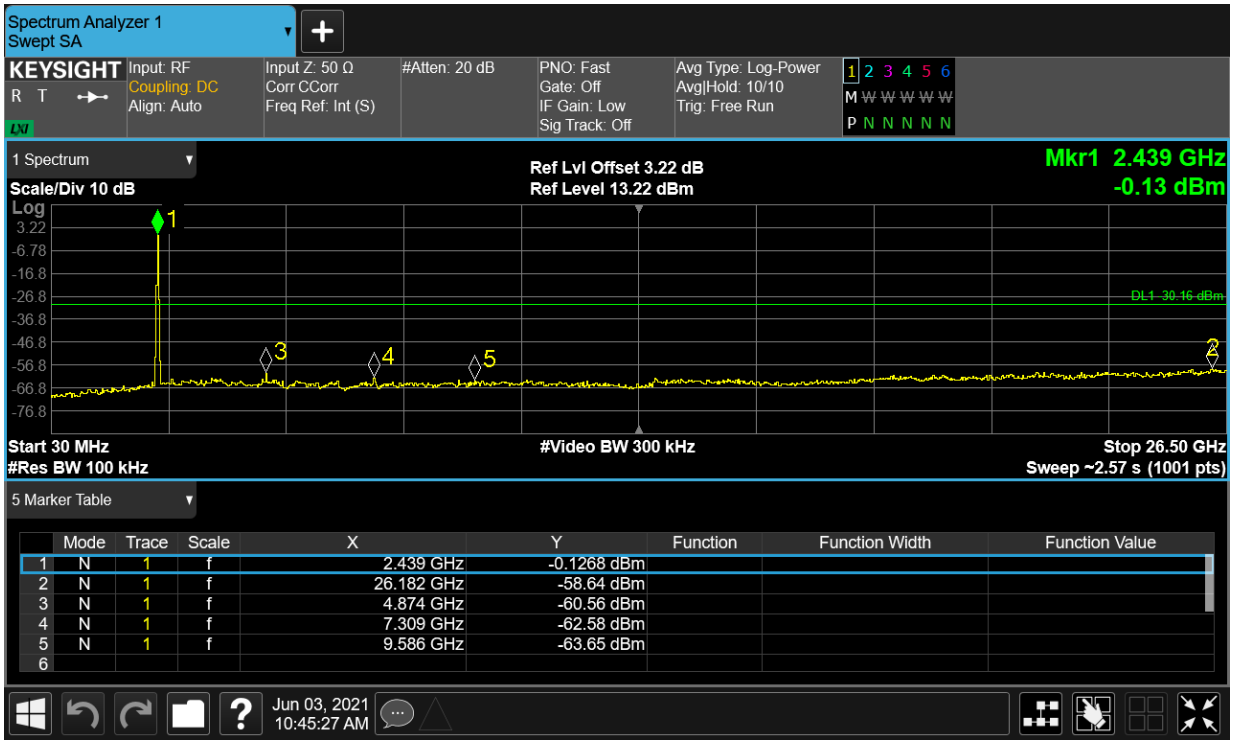
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



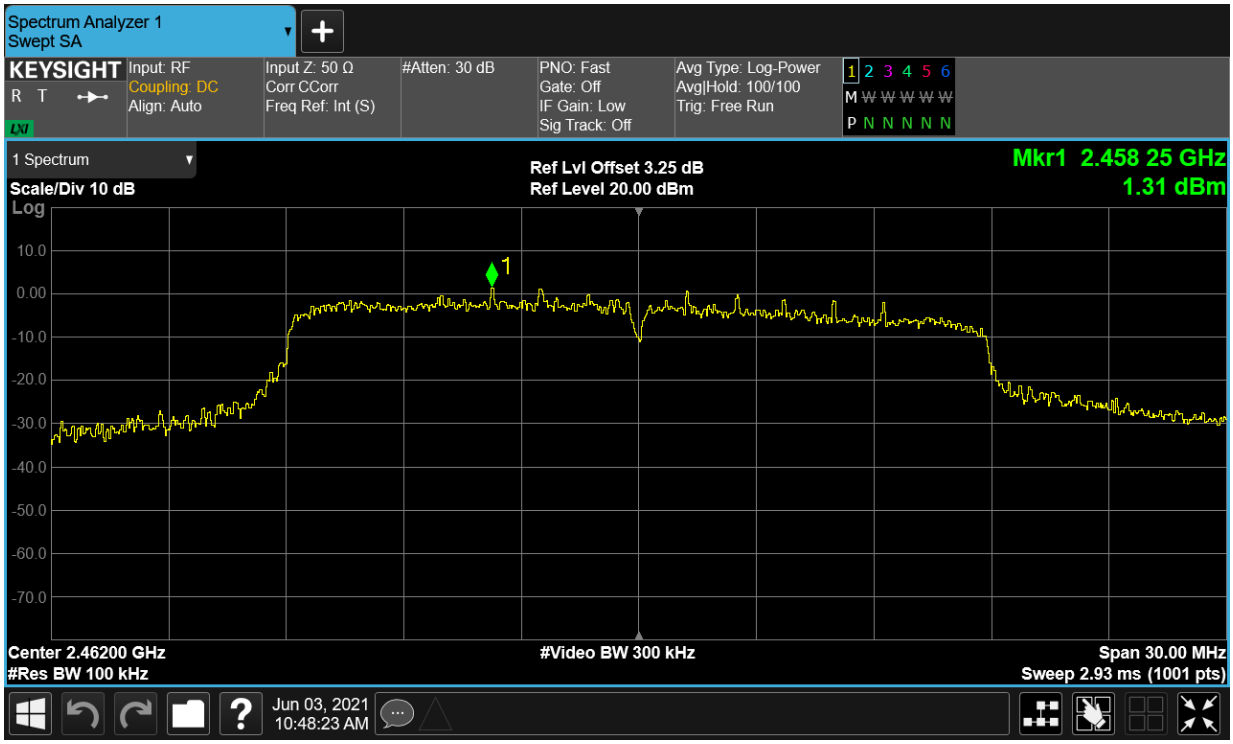
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



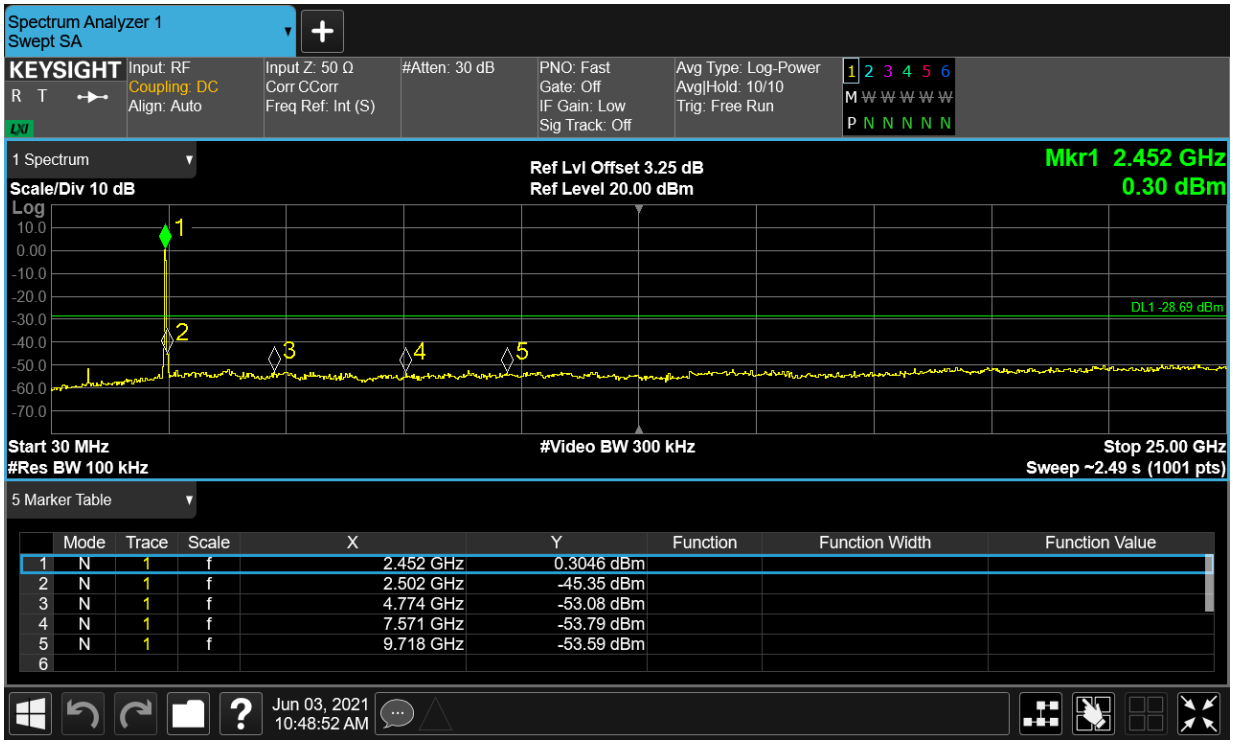
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



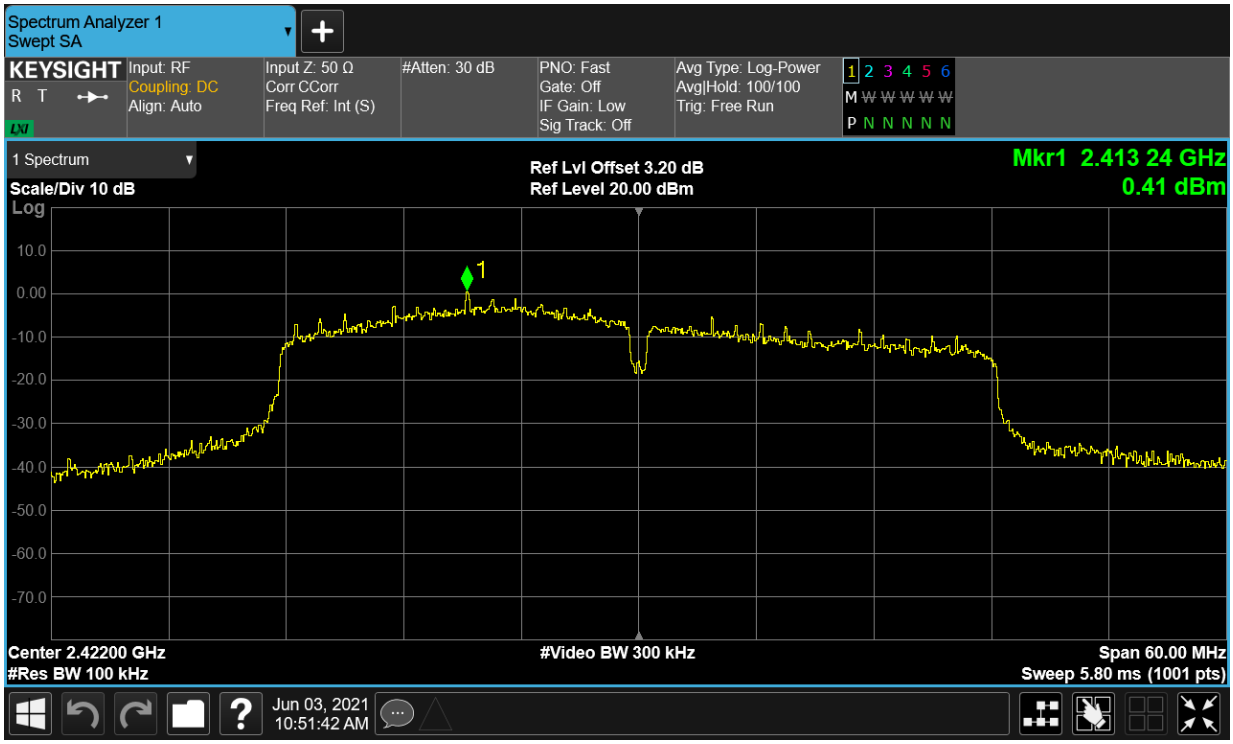
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



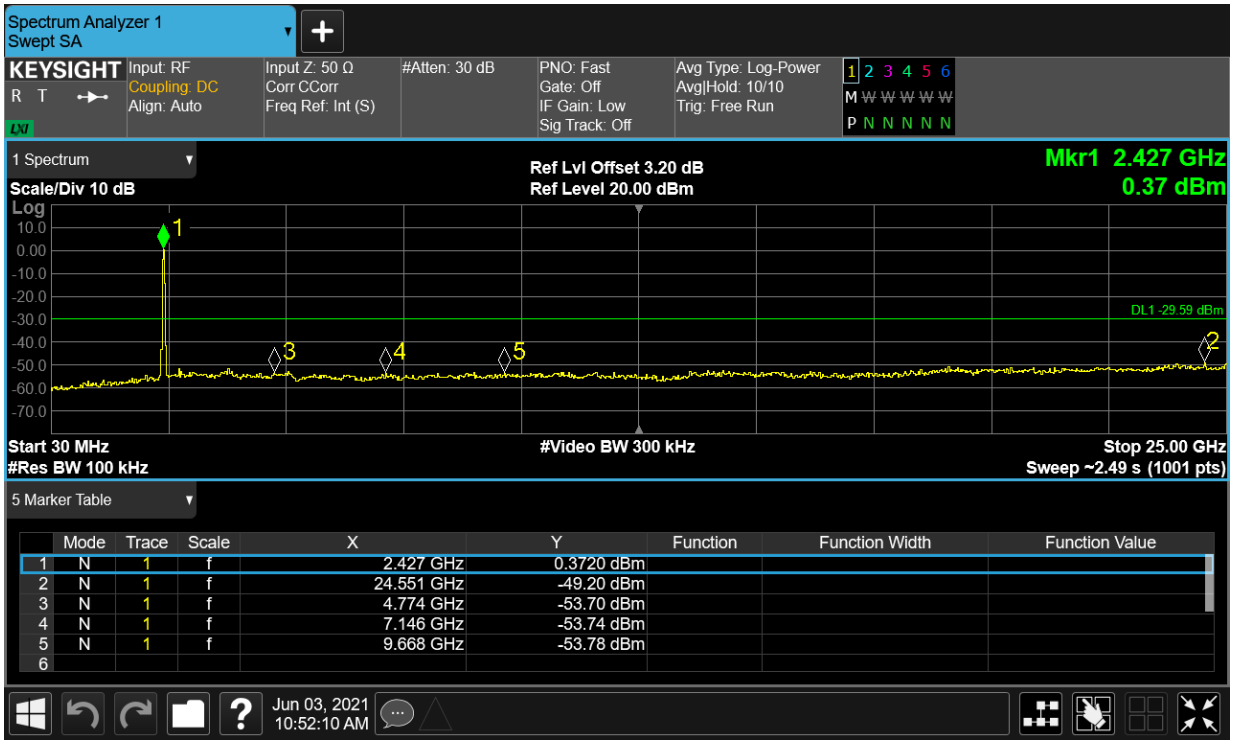
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



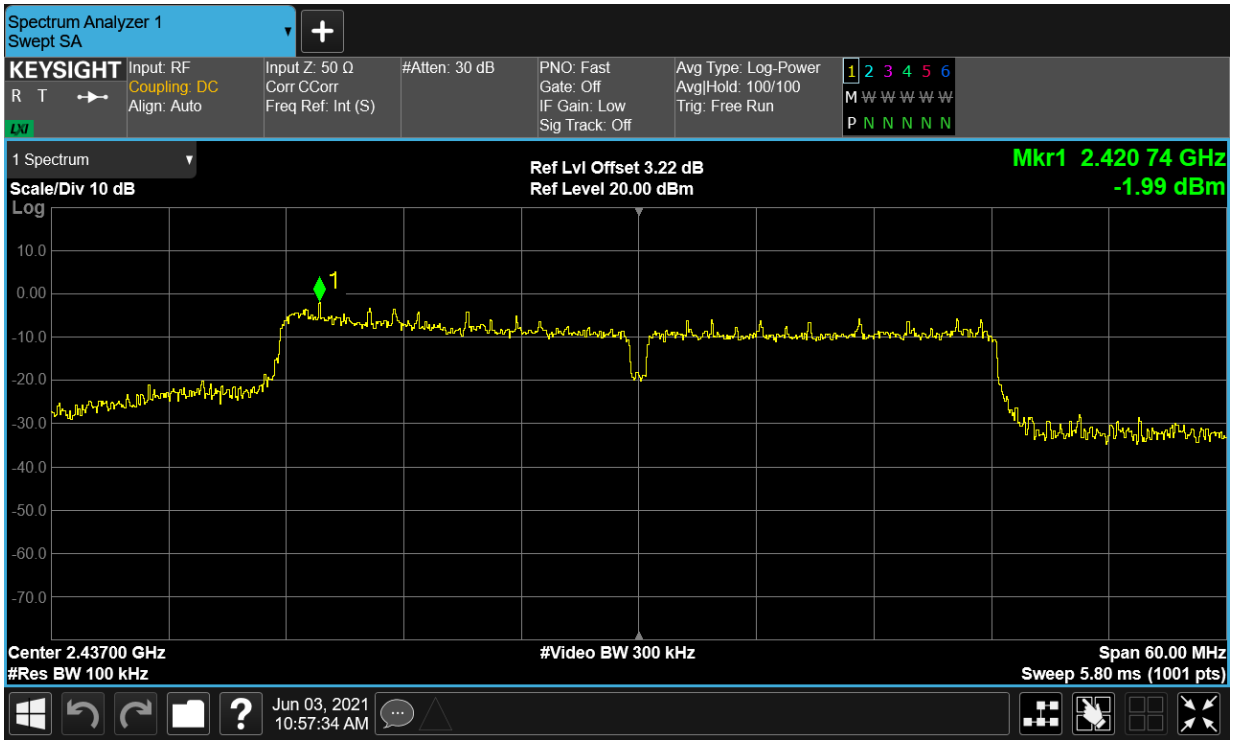
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



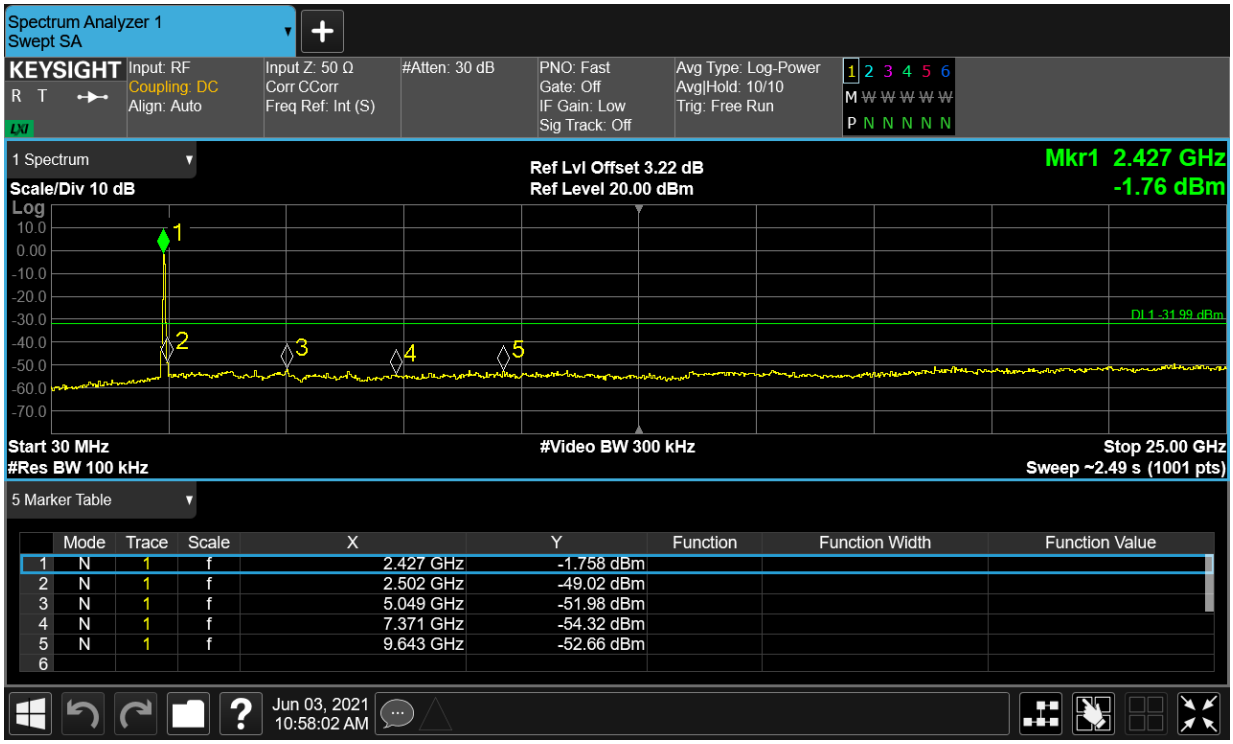
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



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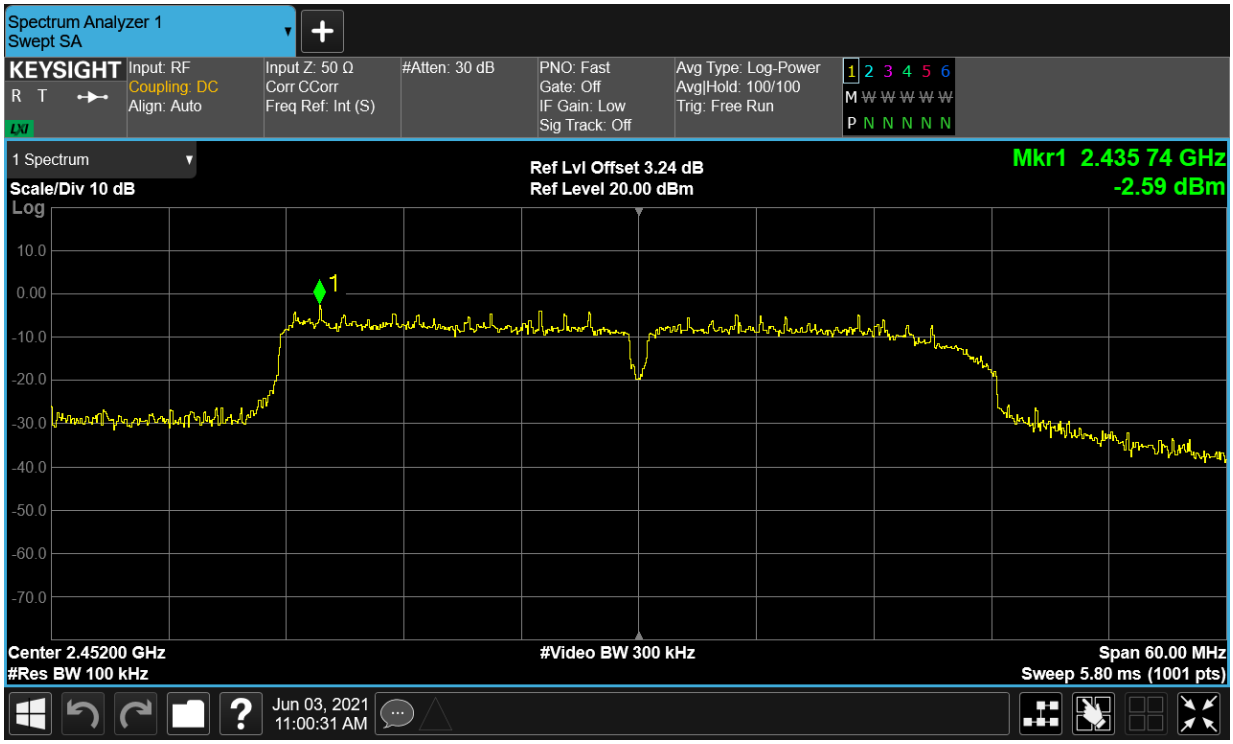
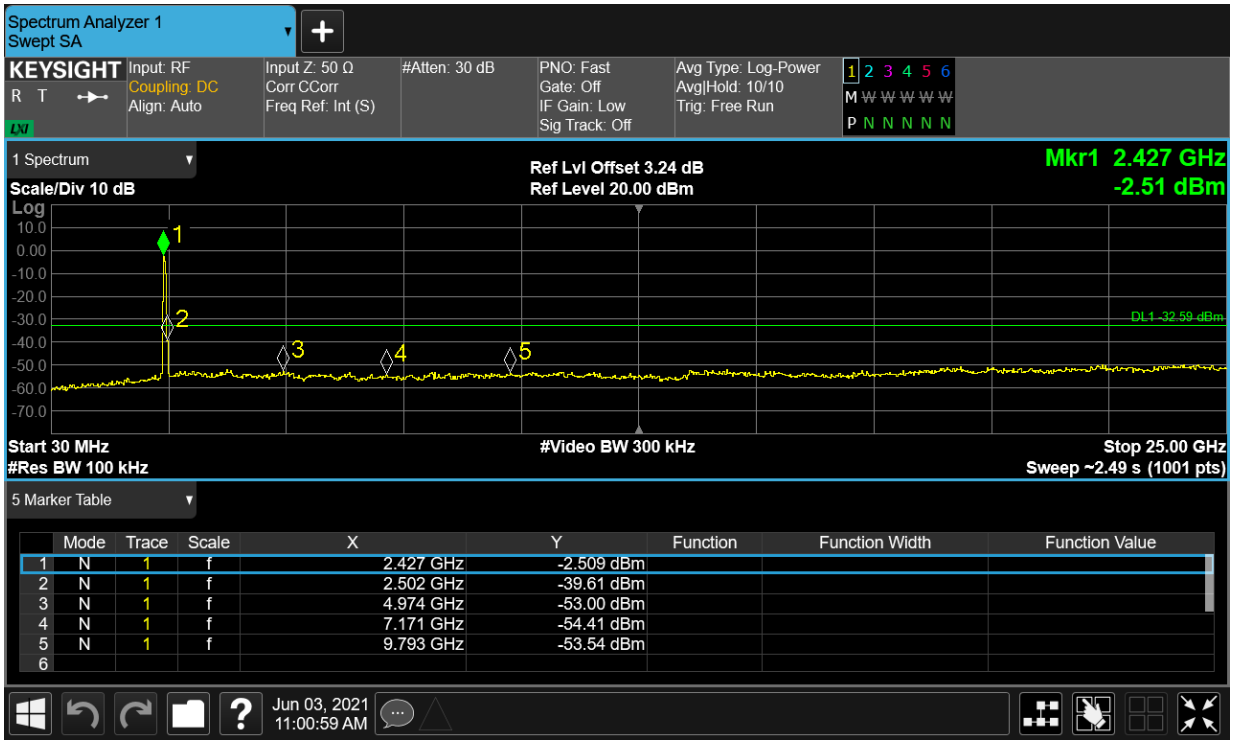


Tx. Spurious NVNT n40 2452MHz Ant1 Emission



	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.427 GHz	-2.509 dBm			
2	N	1	f	2.502 GHz	-39.61 dBm			
3	N	1	f	4.974 GHz	-53.00 dBm			
4	N	1	f	7.171 GHz	-54.41 dBm			
5	N	1	f	9.793 GHz	-53.54 dBm			
6								