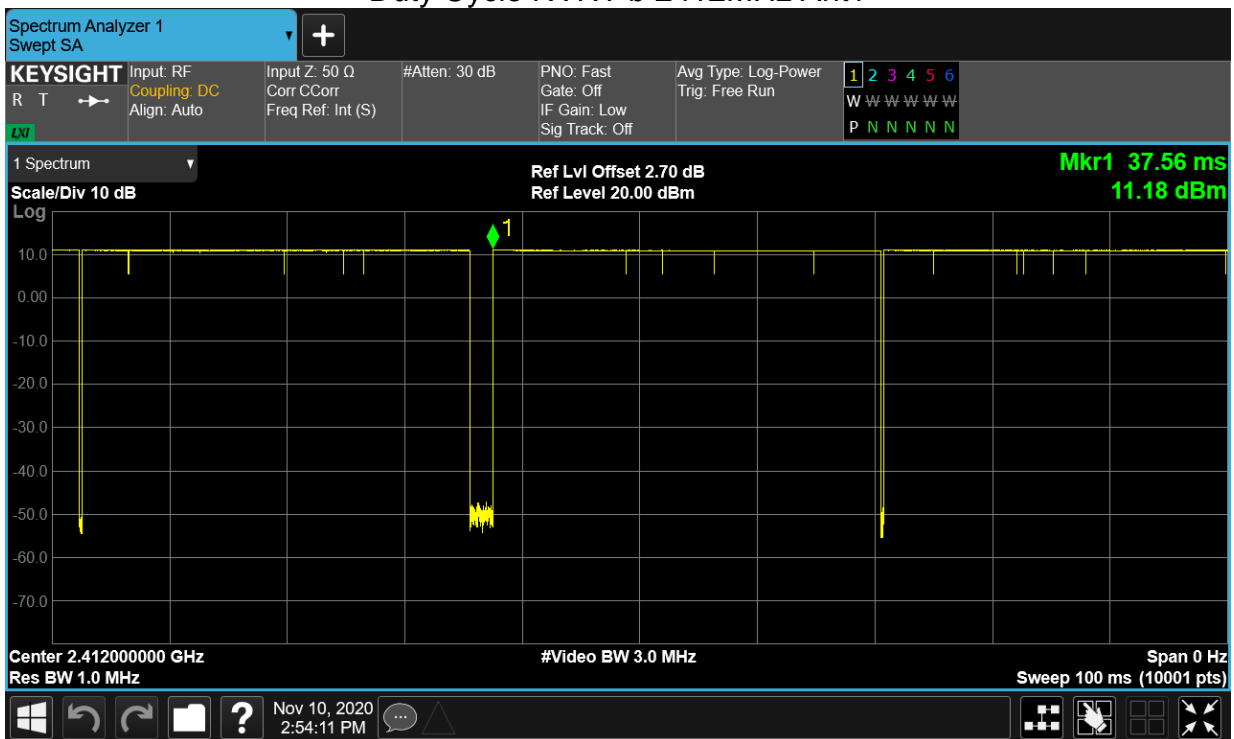


## Appendix A - WIFI

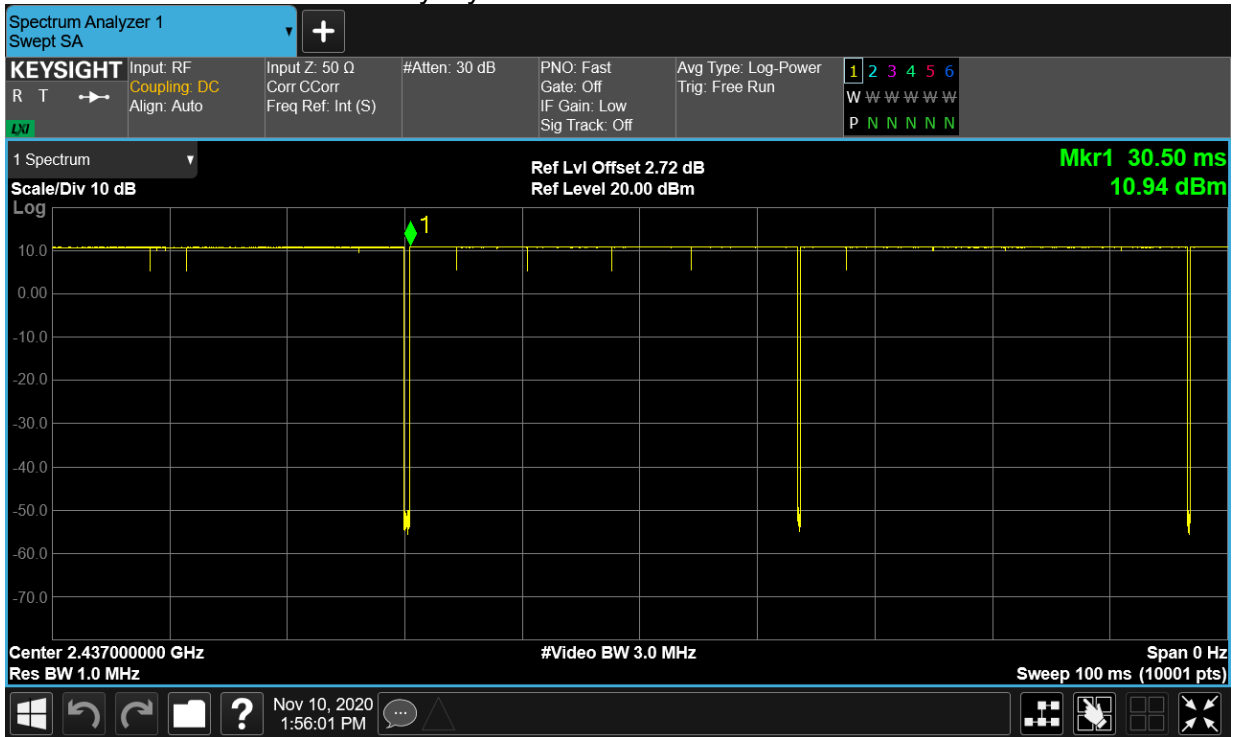
### Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.49	0.11
NVNT	b	2437	Ant1	99.02	0.04
NVNT	b	2462	Ant1	99.23	0.03
NVNT	g	2412	Ant1	94.61	0.24
NVNT	g	2437	Ant1	95.59	0.20
NVNT	g	2462	Ant1	95.06	0.22
NVNT	n20	2412	Ant1	93.31	0.30
NVNT	n20	2437	Ant1	95.06	0.22
NVNT	n20	2462	Ant1	94.04	0.27
NVNT	n40	2422	Ant1	86.81	0.61
NVNT	n40	2437	Ant1	90.40	0.44
NVNT	n40	2452	Ant1	89.17	0.50

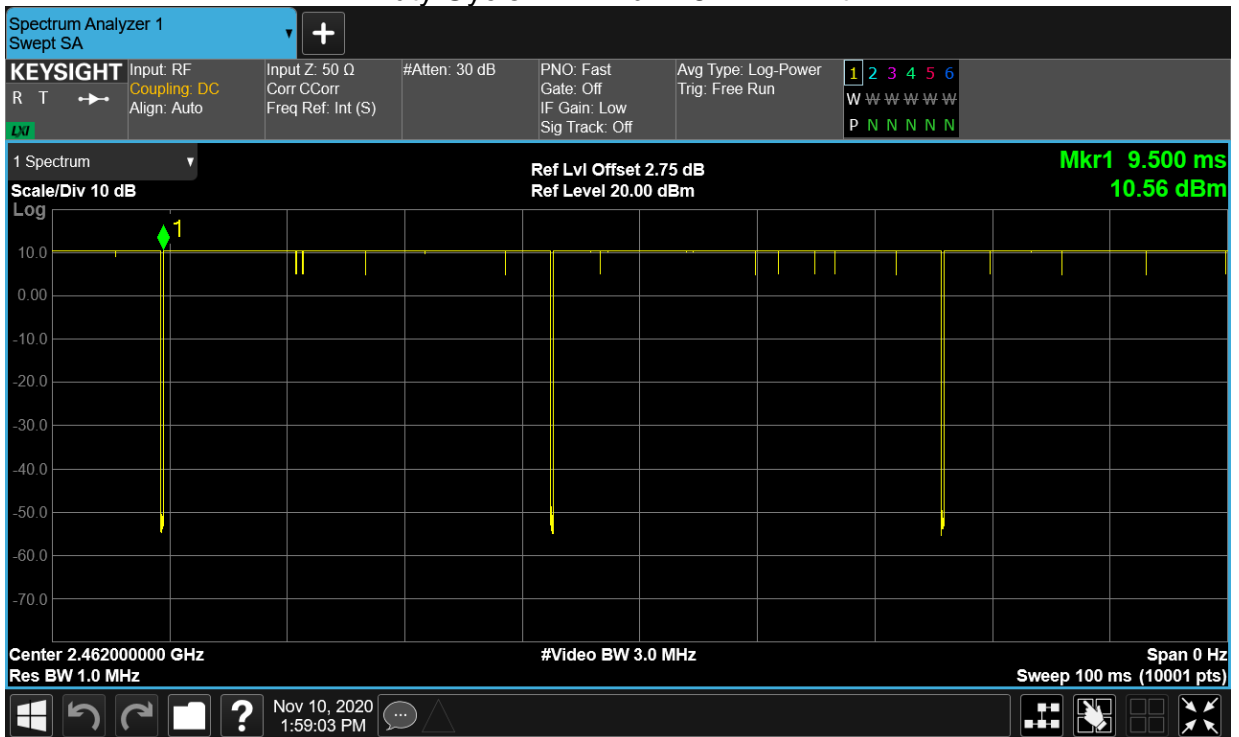
### Duty Cycle NVNT b 2412MHz Ant1



### Duty Cycle NVNT b 2437MHz Ant1



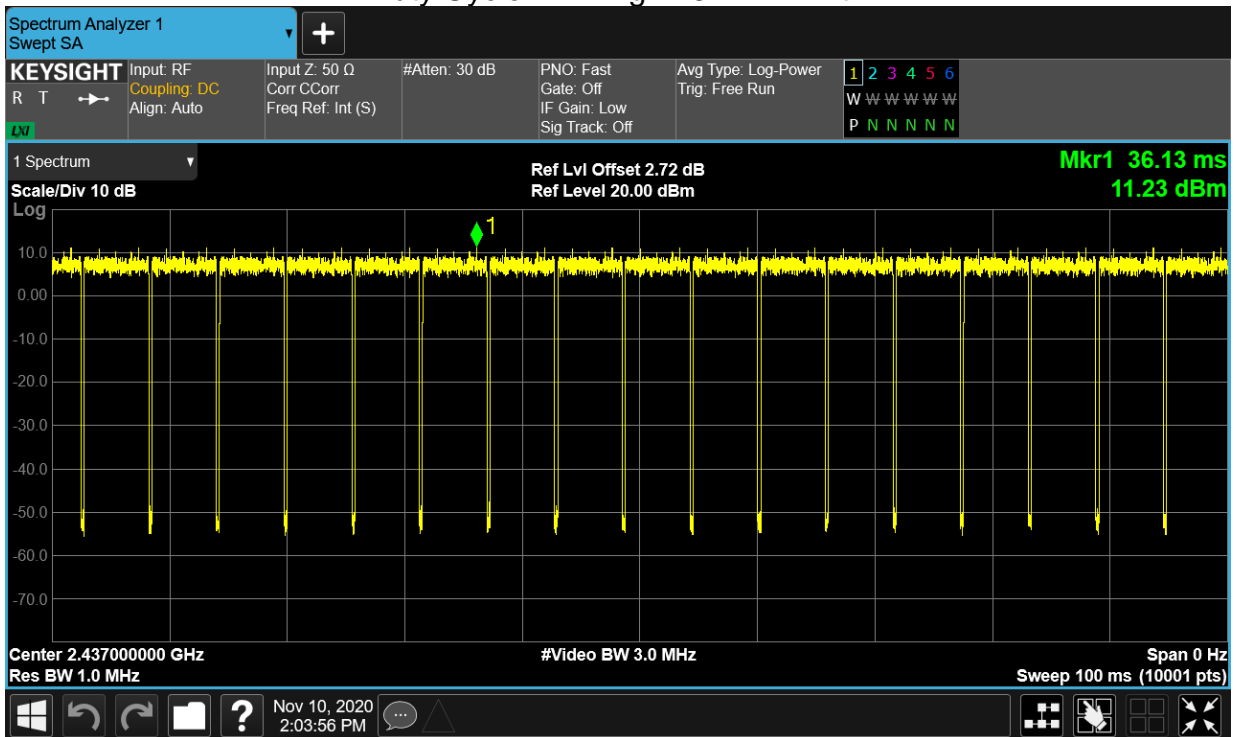
### Duty Cycle NVNT b 2462MHz Ant1



### 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	14.35	0.11	14.46	30	Pass
NVNT	b	2437	Ant1	14.49	0.04	14.53	30	Pass
NVNT	b	2462	Ant1	14.21	0.03	14.24	30	Pass
NVNT	g	2412	Ant1	13.33	0.24	13.57	30	Pass
NVNT	g	2437	Ant1	13.45	0.20	13.65	30	Pass
NVNT	g	2462	Ant1	12.97	0.22	13.19	30	Pass
NVNT	n20	2412	Ant1	12.64	0.30	12.94	30	Pass
NVNT	n20	2437	Ant1	12.68	0.22	12.90	30	Pass
NVNT	n20	2462	Ant1	12.52	0.27	12.79	30	Pass
NVNT	n40	2422	Ant1	12.81	0.61	13.42	30	Pass
NVNT	n40	2437	Ant1	12.09	0.44	12.53	30	Pass
NVNT	n40	2452	Ant1	12.05	0.50	12.55	30	Pass

**-6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.536	0.5	Pass
NVNT	b	2437	Ant1	8.535	0.5	Pass
NVNT	b	2462	Ant1	9.053	0.5	Pass
NVNT	g	2412	Ant1	16.392	0.5	Pass
NVNT	g	2437	Ant1	16.550	0.5	Pass
NVNT	g	2462	Ant1	16.349	0.5	Pass
NVNT	n20	2412	Ant1	17.680	0.5	Pass
NVNT	n20	2437	Ant1	17.649	0.5	Pass
NVNT	n20	2462	Ant1	17.575	0.5	Pass
NVNT	n40	2422	Ant1	36.064	0.5	Pass
NVNT	n40	2437	Ant1	36.300	0.5	Pass
NVNT	n40	2452	Ant1	36.309	0.5	Pass

-6dB Bandwidth NVNT b 2412MHz Ant1

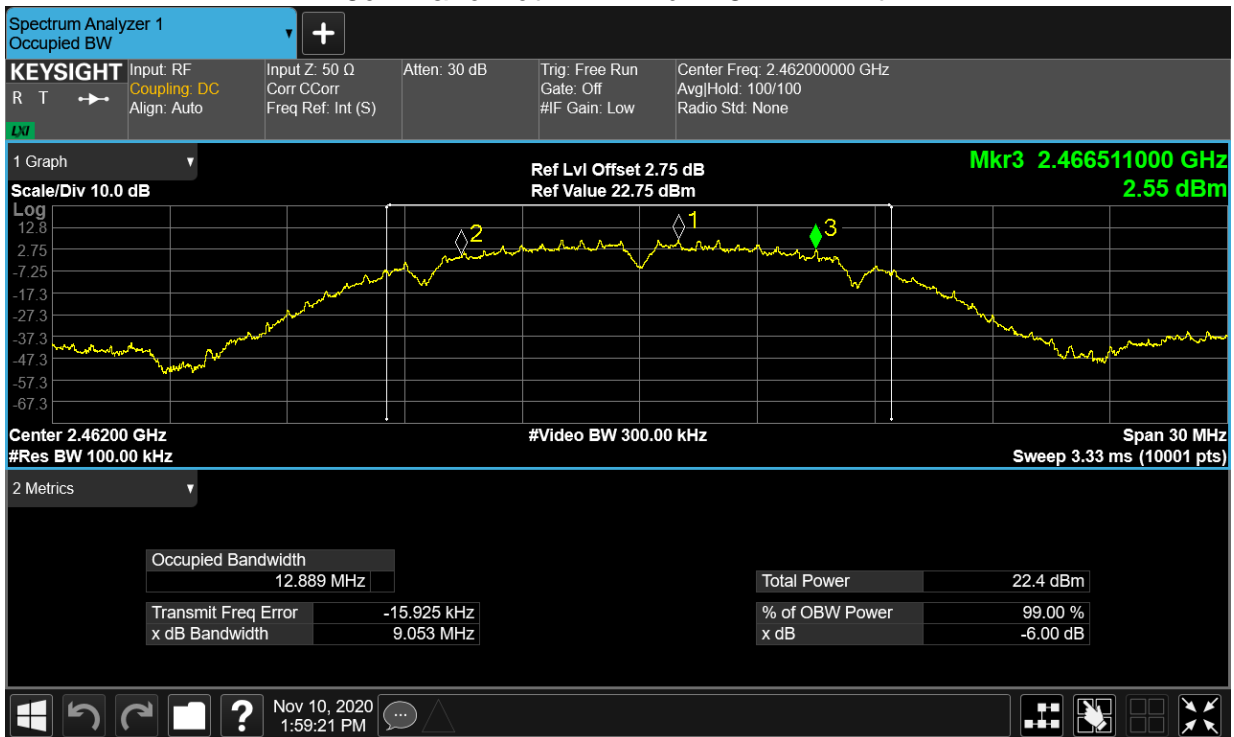




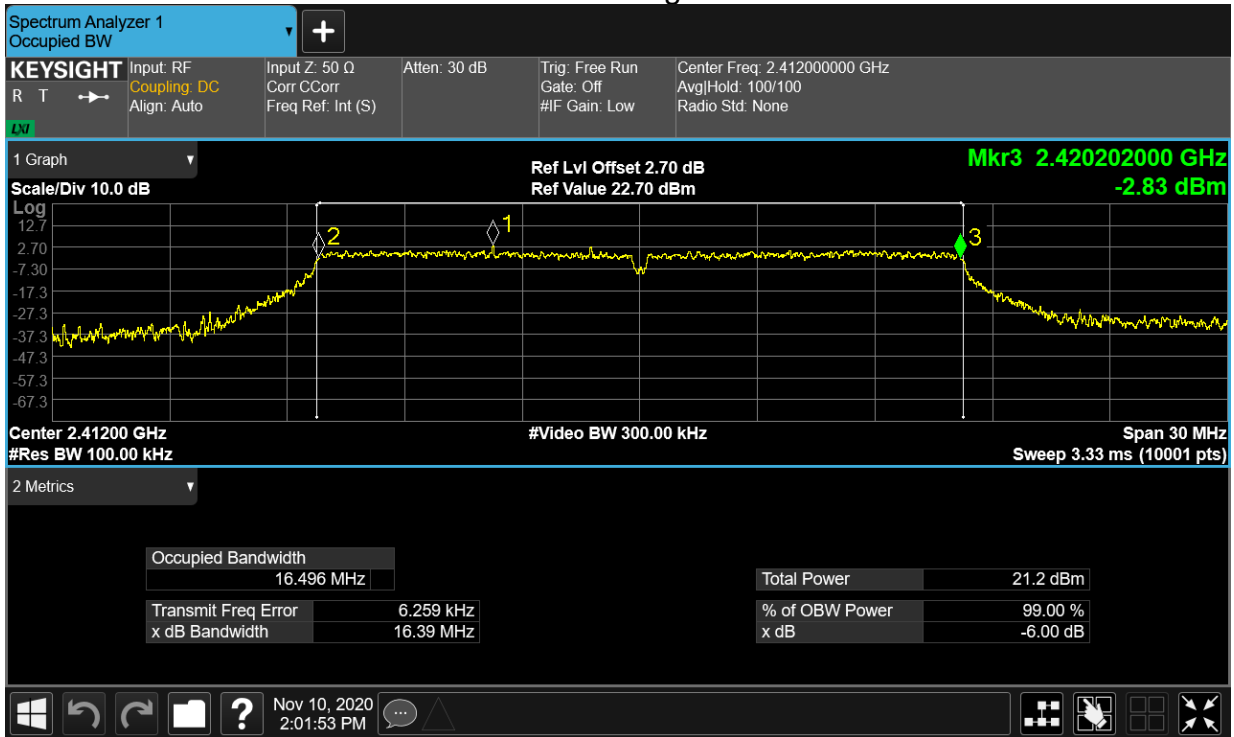
-6dB Bandwidth NVNT b 2437MHz Ant1



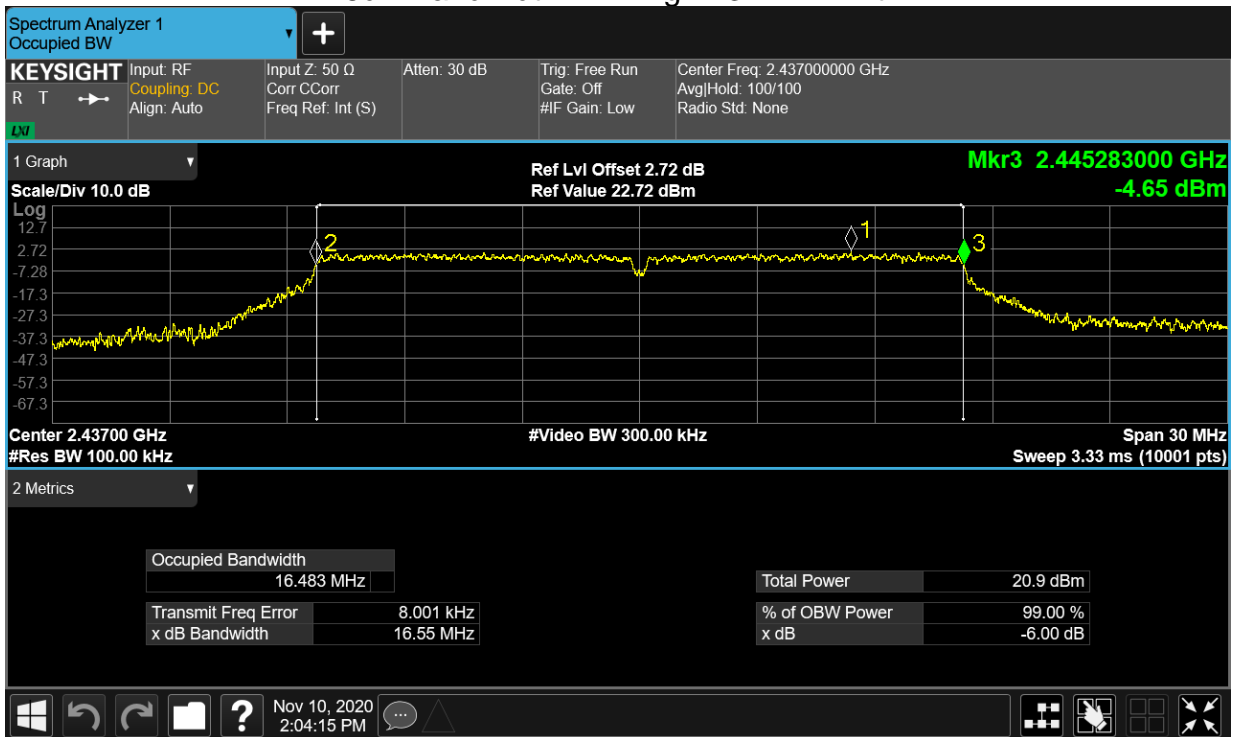
-6dB Bandwidth NVNT b 2462MHz Ant1



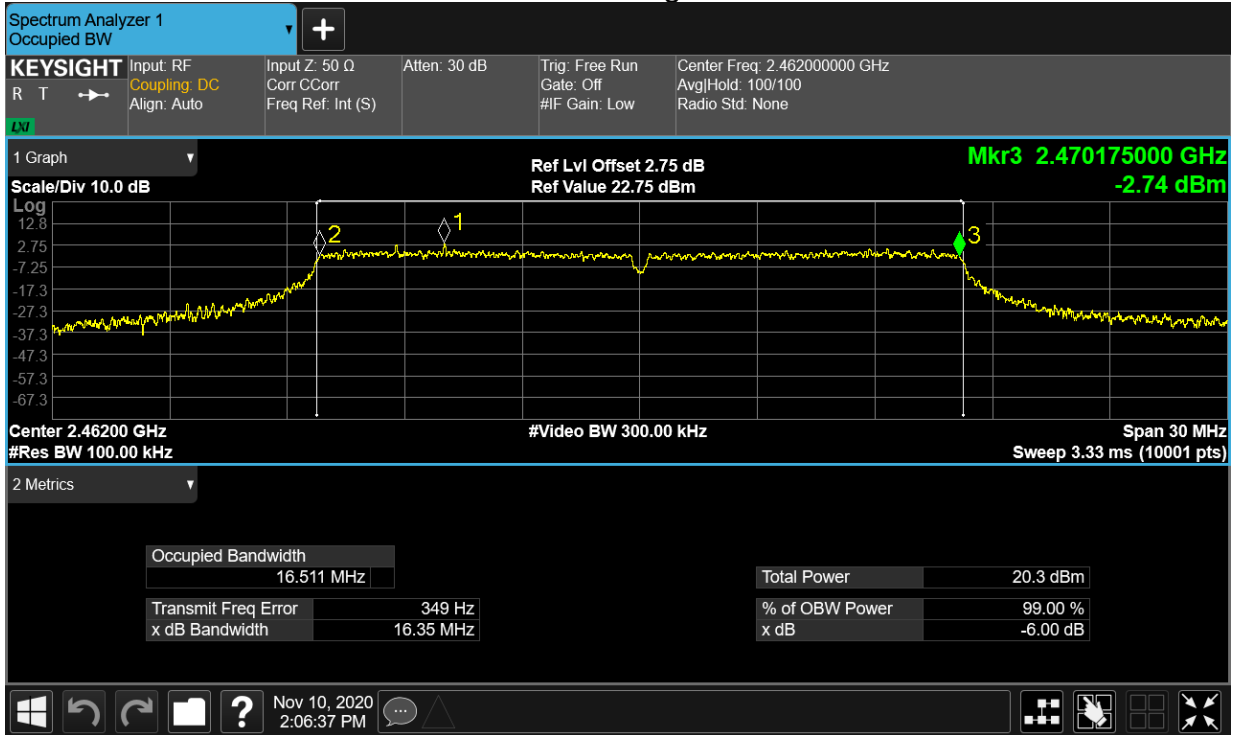
-6dB Bandwidth NVNT g 2412MHz Ant1



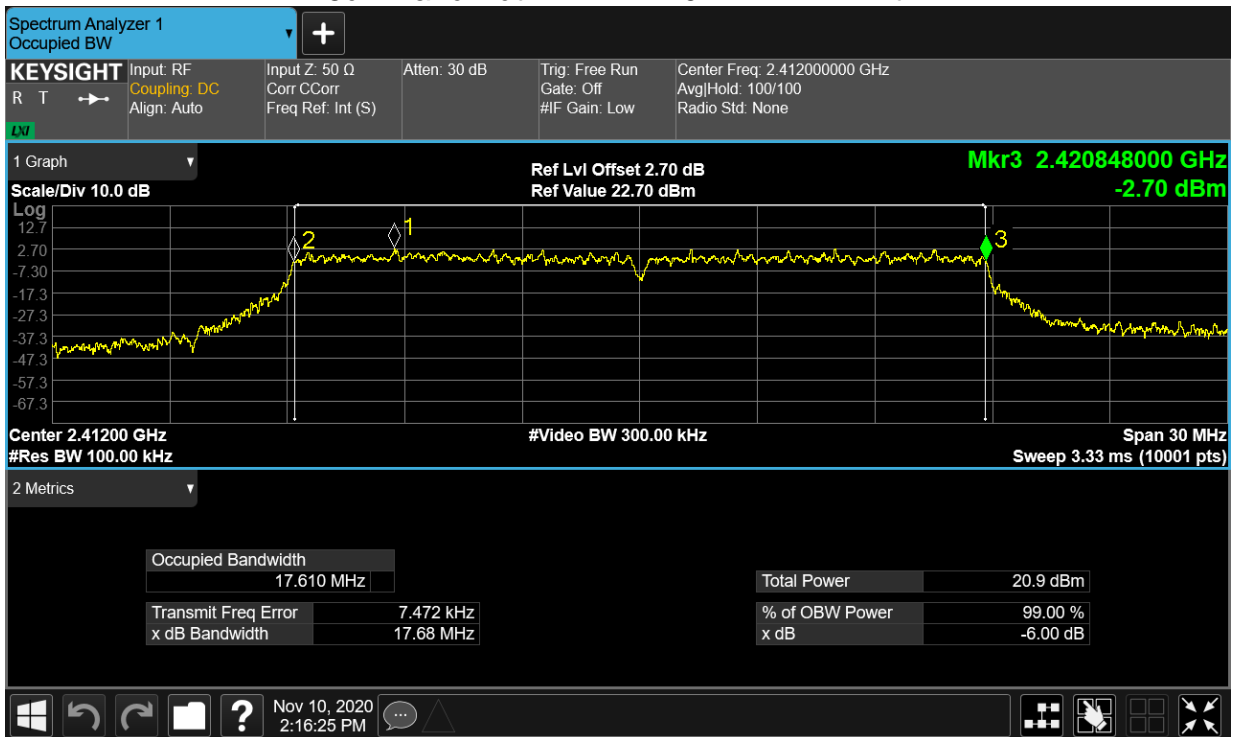
-6dB Bandwidth NVNT g 2437MHz Ant1



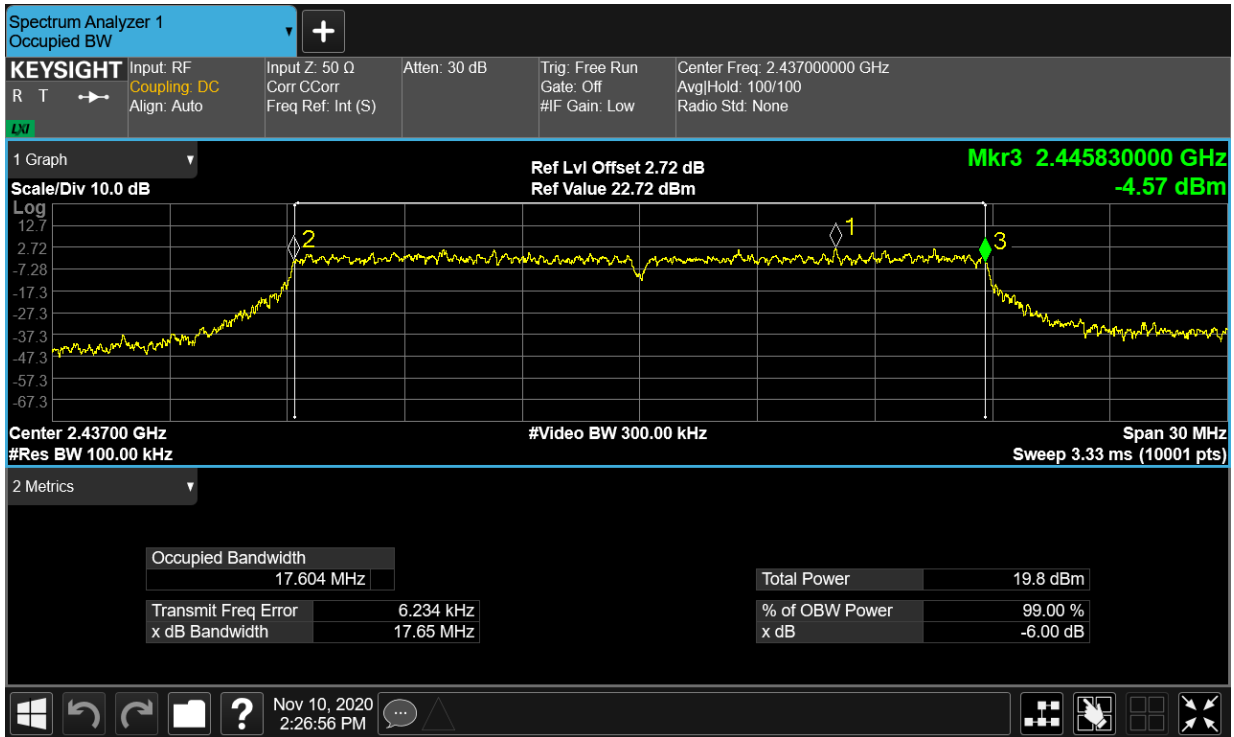
-6dB Bandwidth NVNT g 2462MHz Ant1



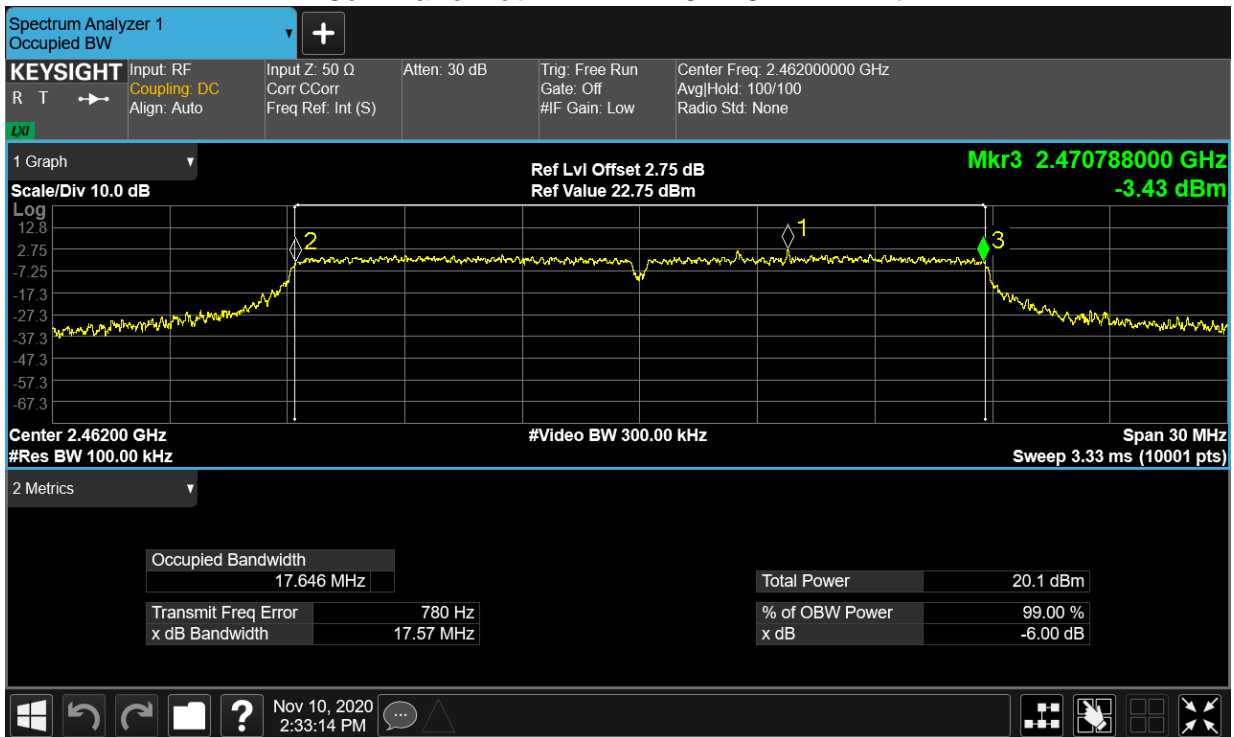
-6dB Bandwidth NVNT n20 2412MHz Ant1



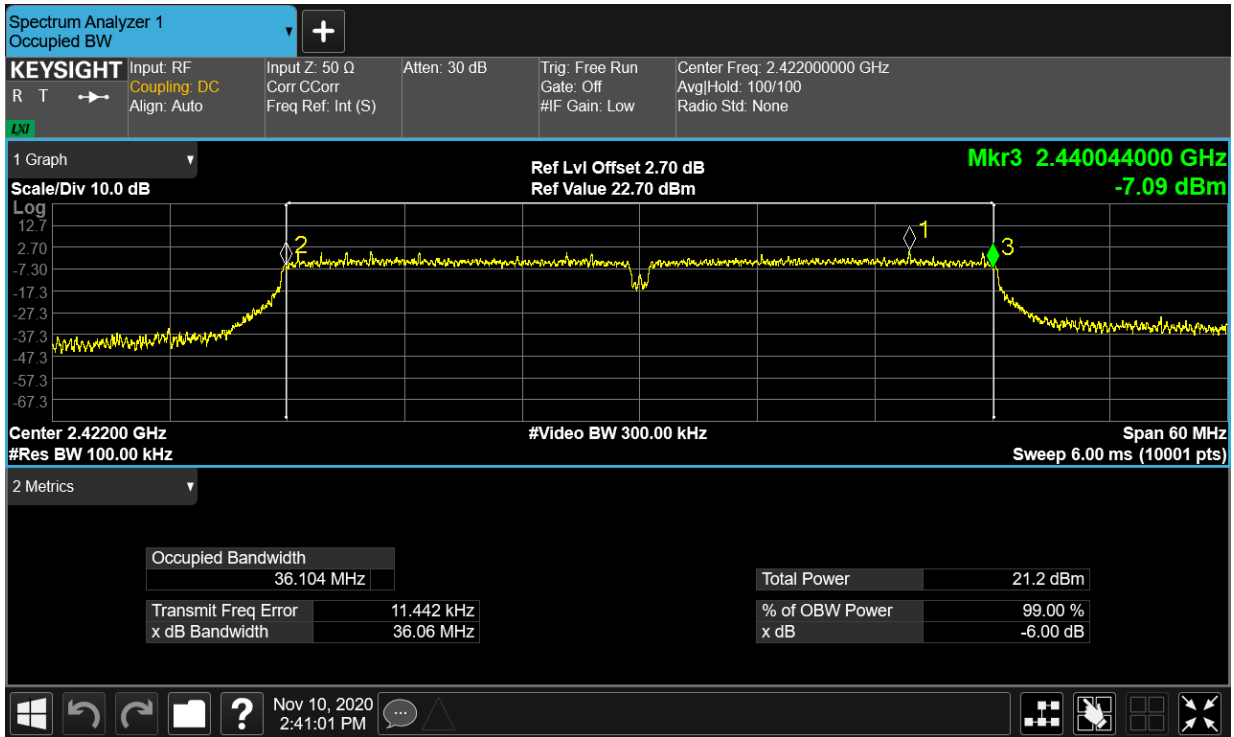
## -6dB Bandwidth NVNT n20 2437MHz Ant1



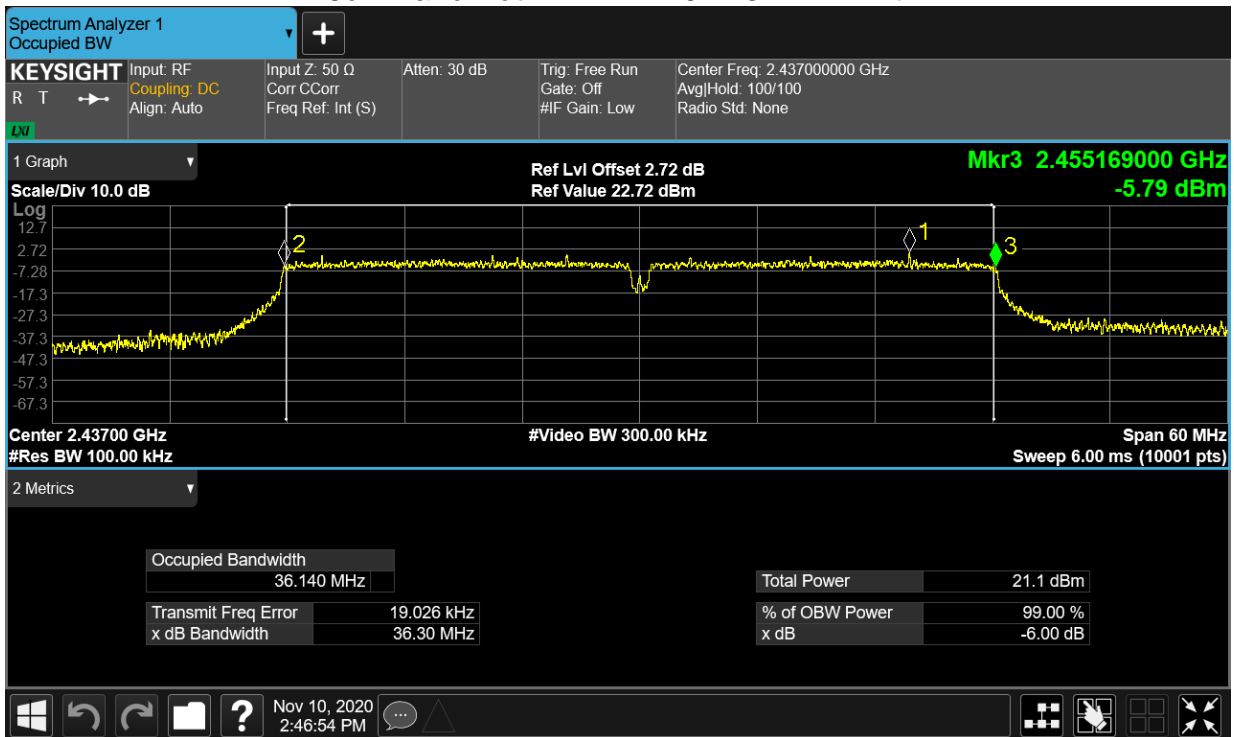
## -6dB Bandwidth NVNT n20 2462MHz Ant1



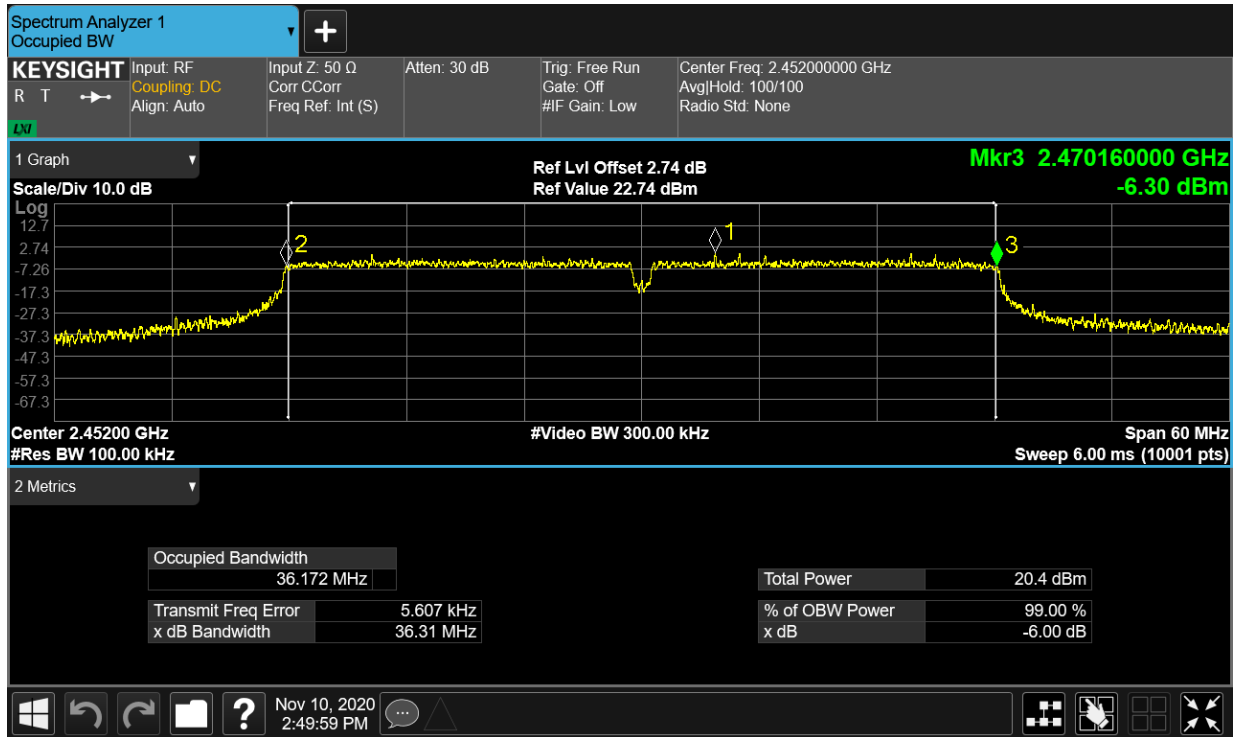
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



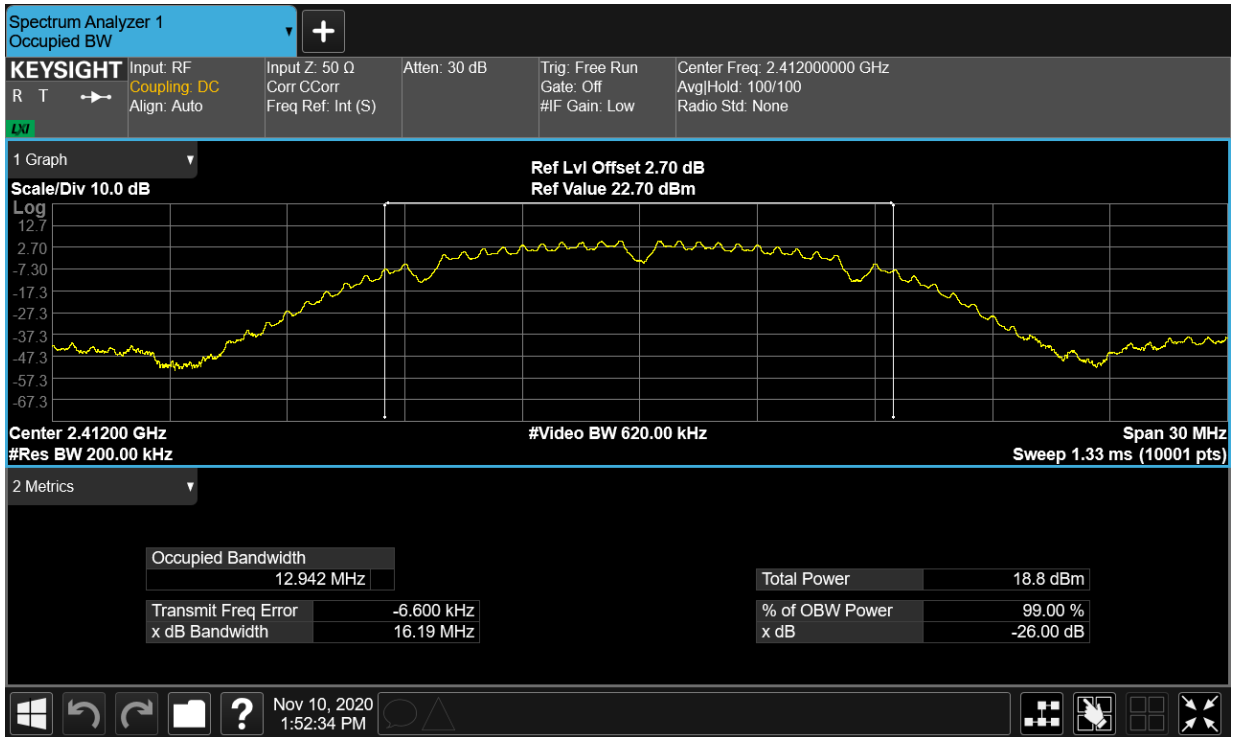
-6dB Bandwidth NVNT n40 2452MHz Ant1



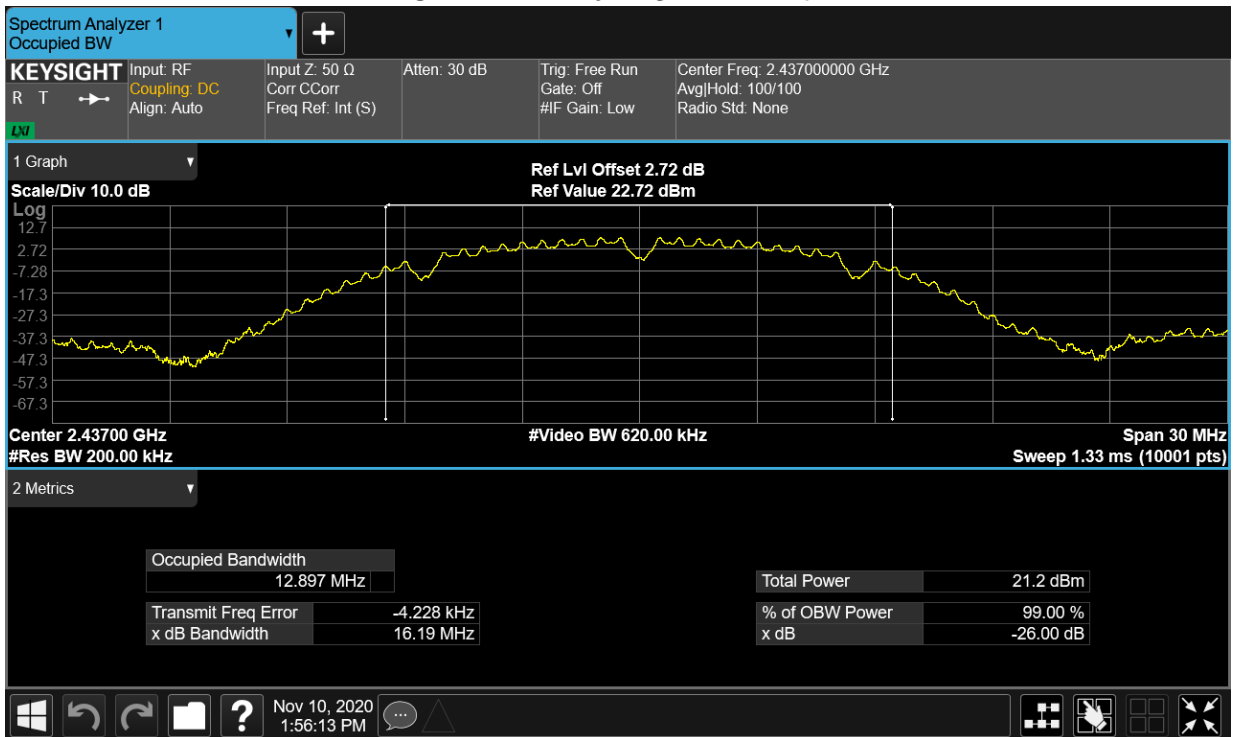
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.94165218
NVNT	b	2437	Ant1	12.89716292
NVNT	b	2462	Ant1	12.91028723
NVNT	g	2412	Ant1	16.63863448
NVNT	g	2437	Ant1	16.64156794
NVNT	g	2462	Ant1	16.66411435
NVNT	n20	2412	Ant1	17.65435778
NVNT	n20	2437	Ant1	17.62008852
NVNT	n20	2462	Ant1	17.67354979
NVNT	n40	2422	Ant1	36.25988989
NVNT	n40	2437	Ant1	36.22146546
NVNT	n40	2452	Ant1	36.27541802

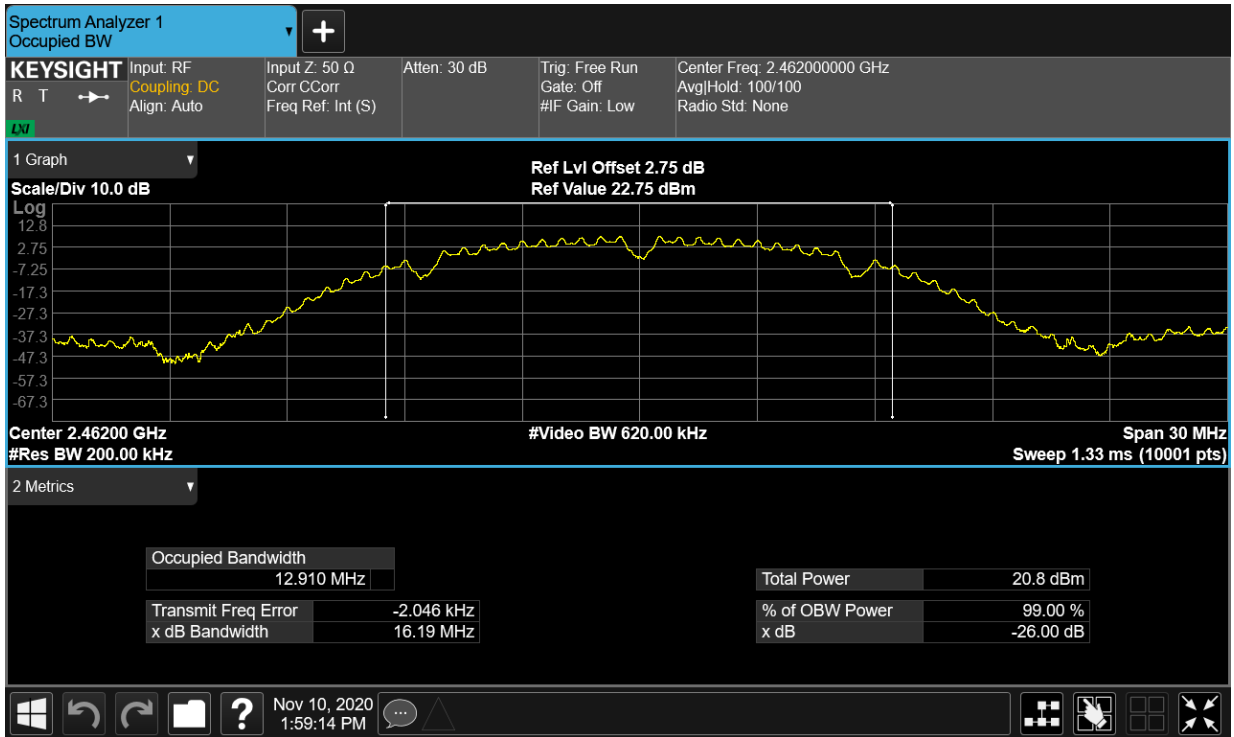
### OBW NVNT b 2412MHz Ant1



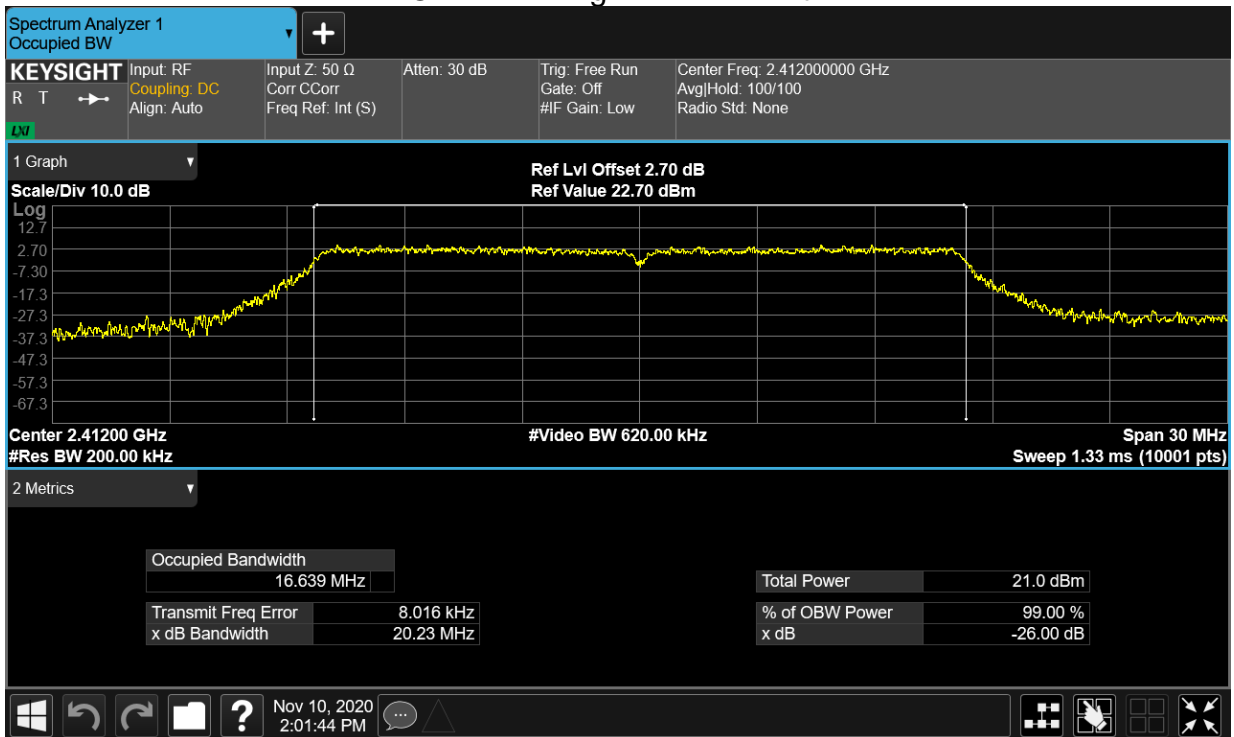
### OBW NVNT b 2437MHz Ant1



### OBW NVNT b 2462MHz Ant1

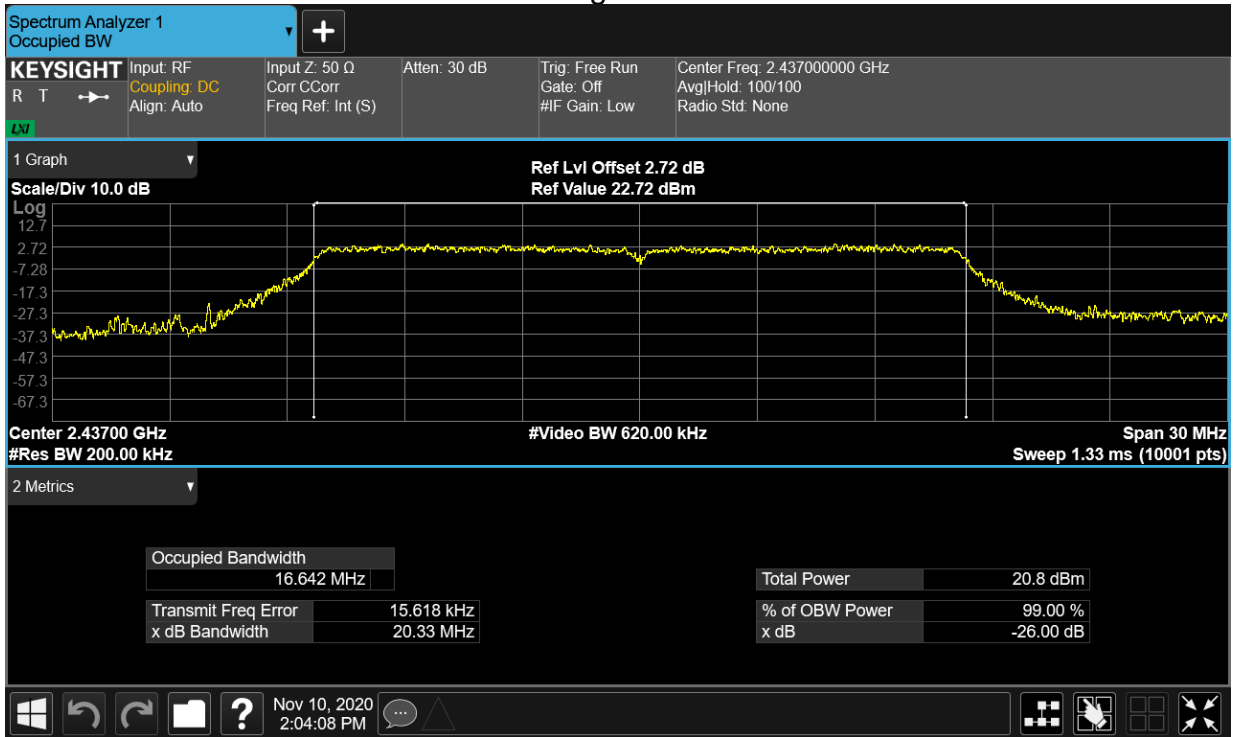


### OBW NVNT g 2412MHz Ant1

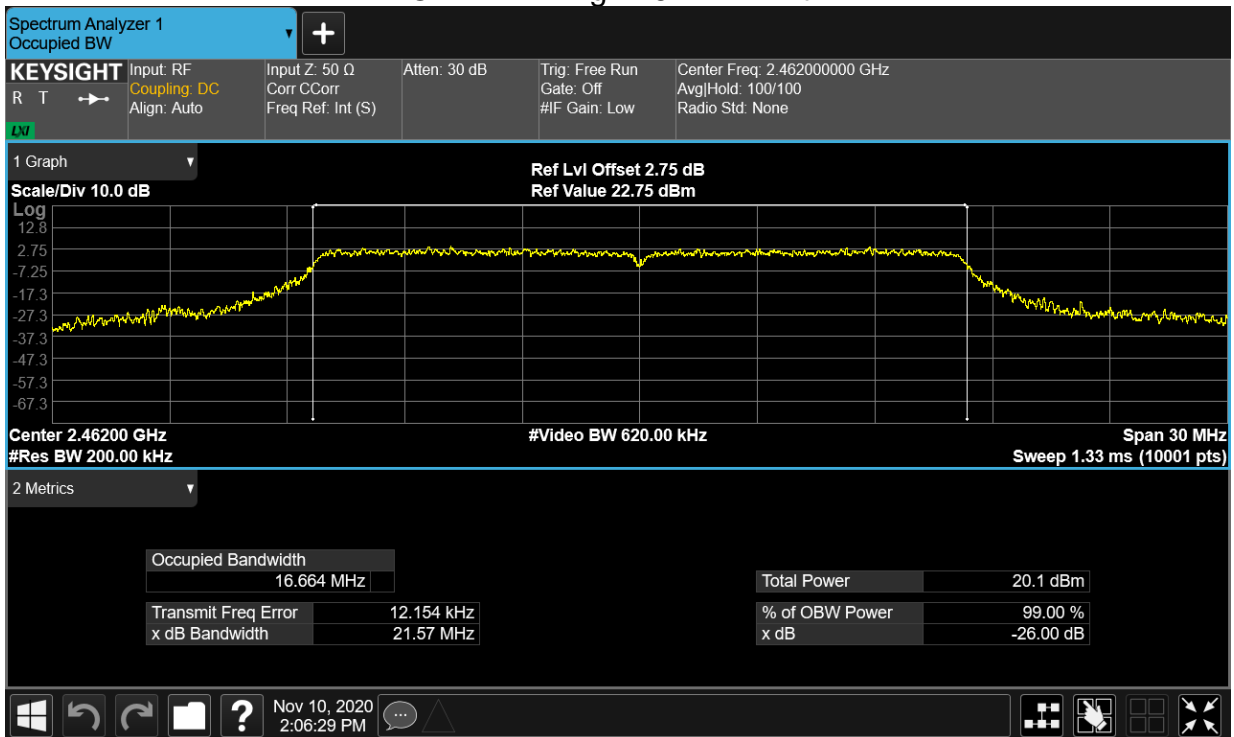




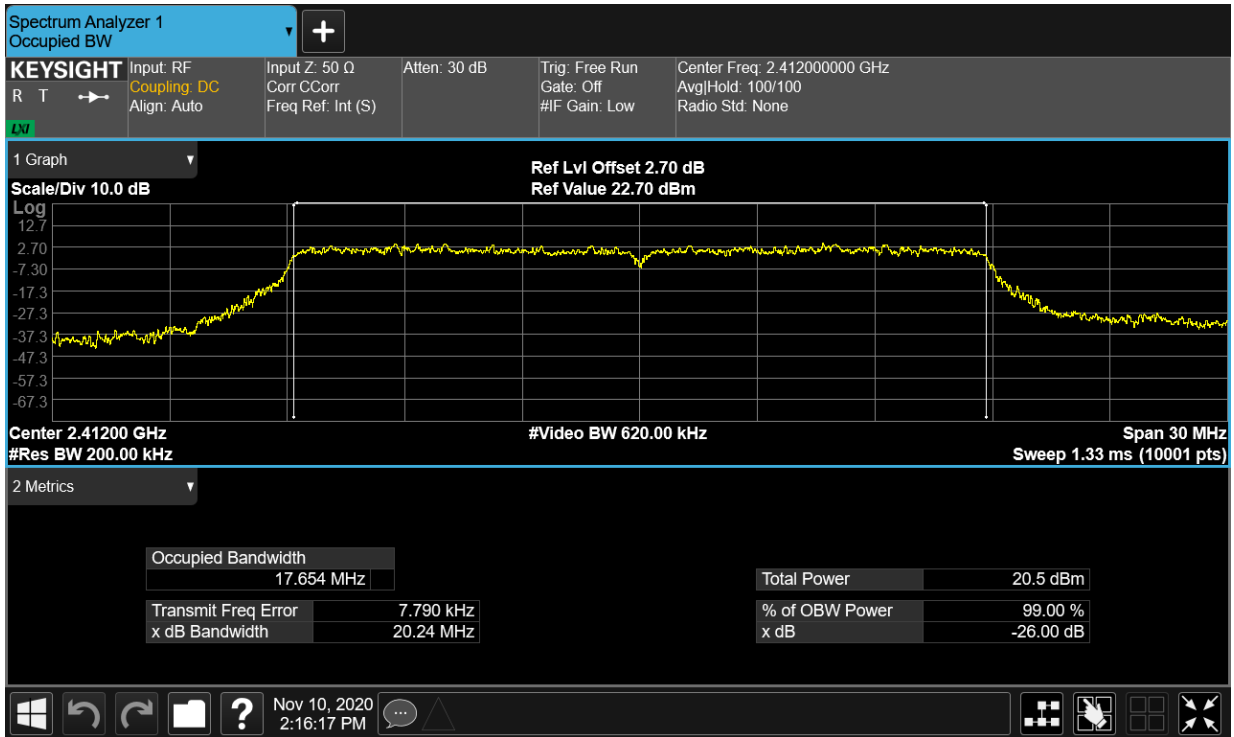
### OBW NVNT g 2437MHz Ant1



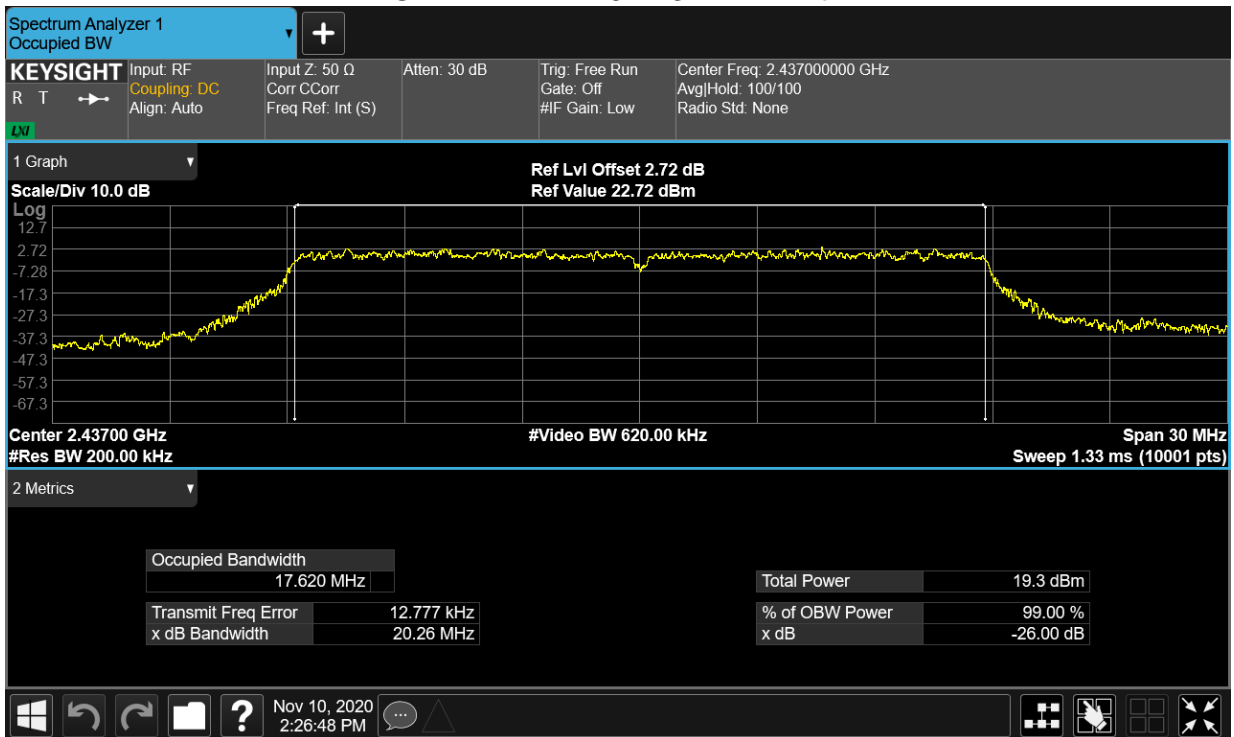
### OBW NVNT g 2462MHz Ant1



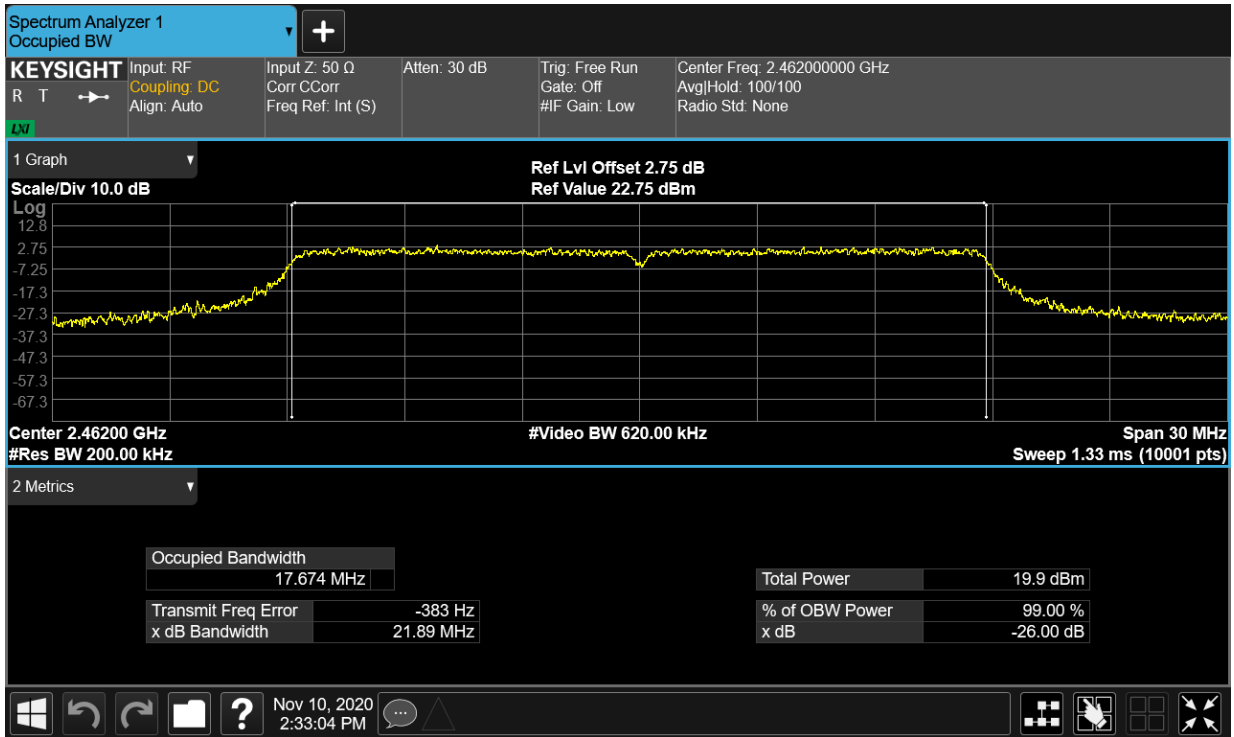
OBW NVNT n20 2412MHz Ant1



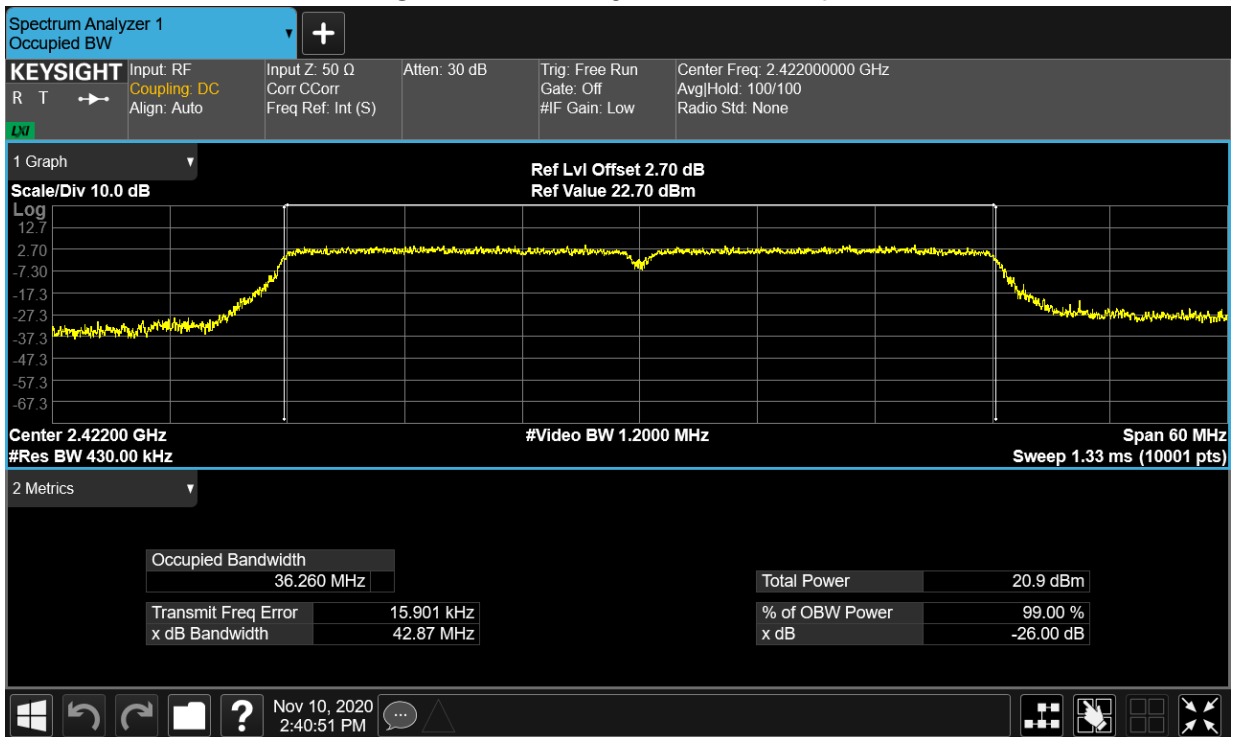
OBW NVNT n20 2437MHz Ant1



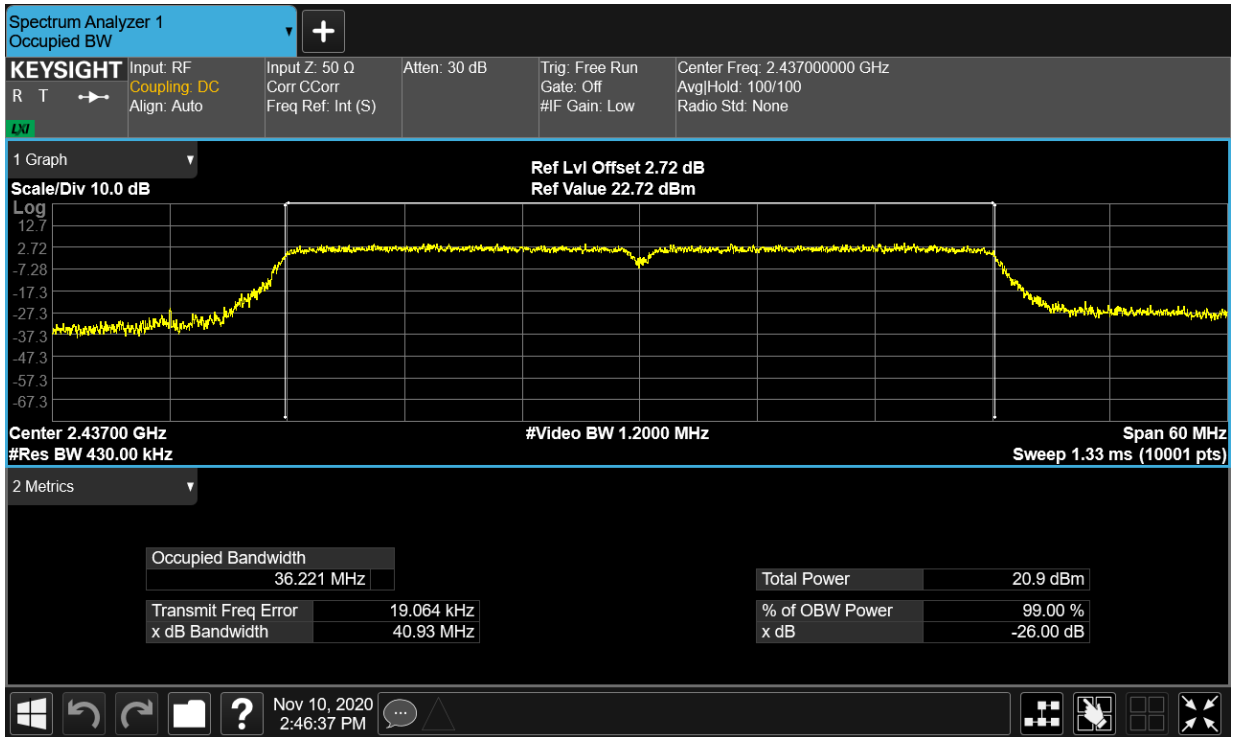
OBW NVNT n20 2462MHz Ant1



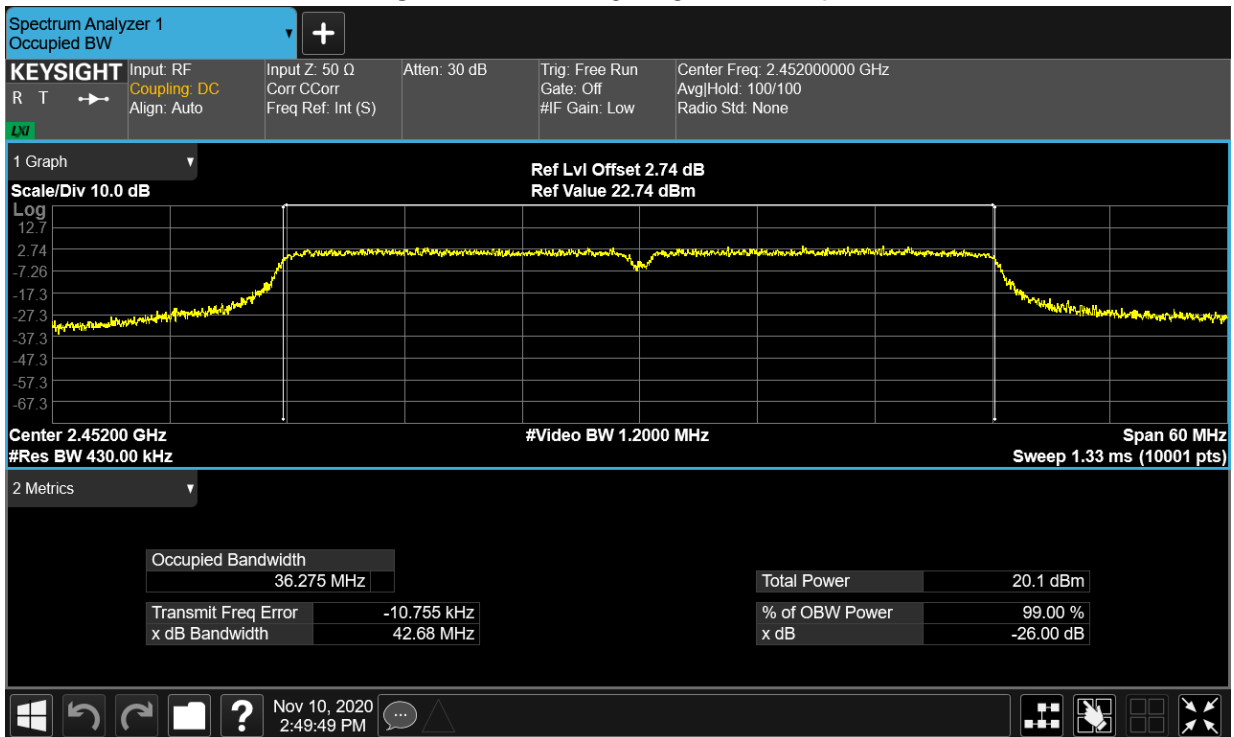
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



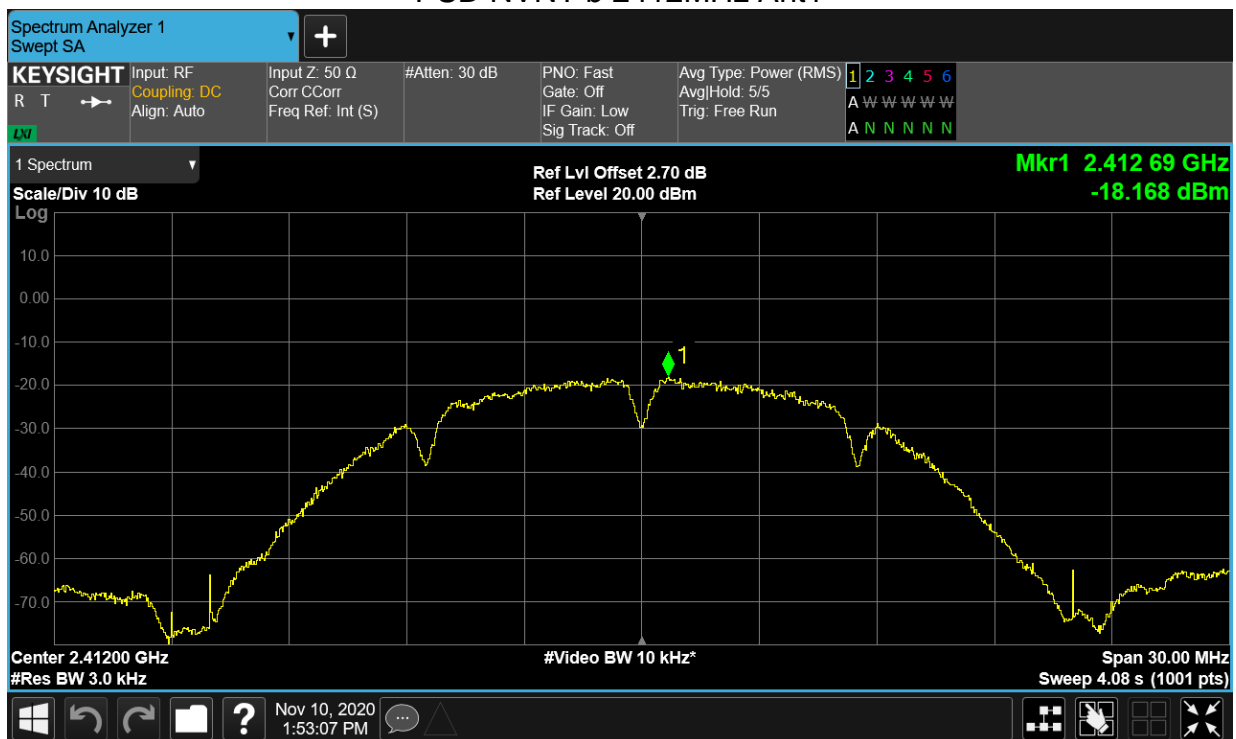
OBW NVNT n40 2452MHz Ant1



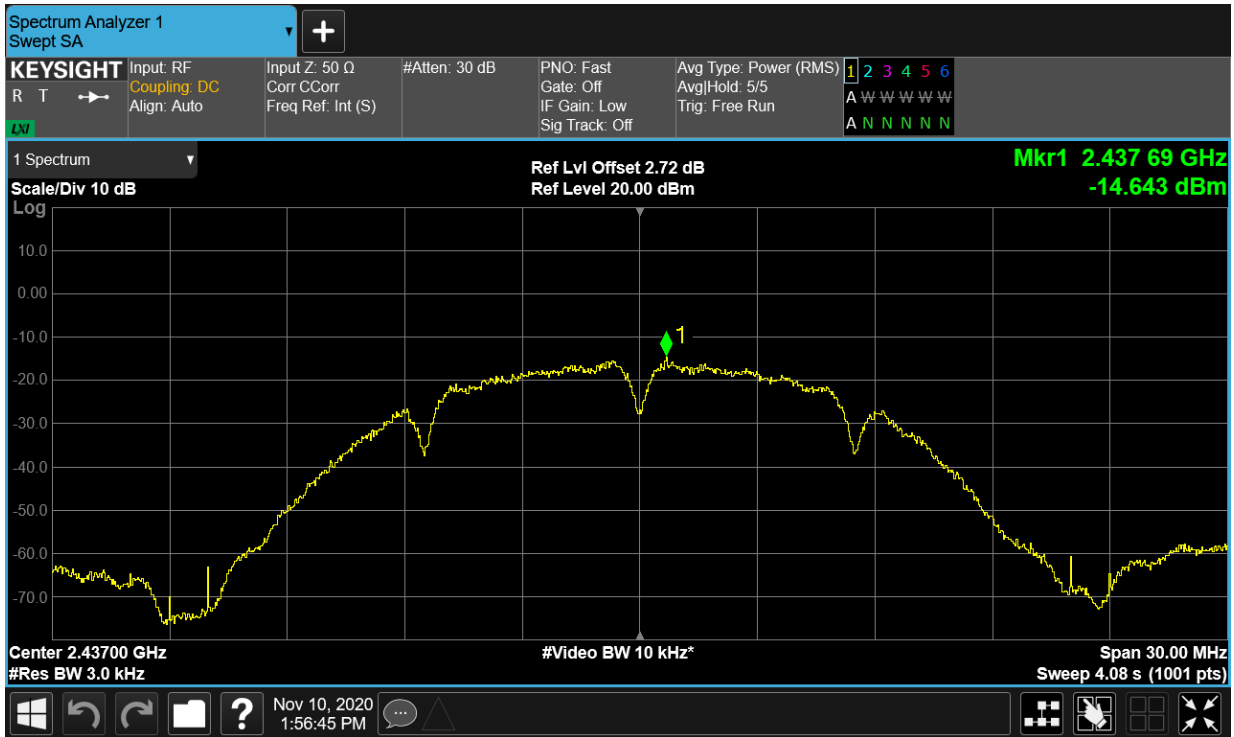
**Maximum Power Spectral Density Level**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-18.168	8	Pass
NVNT	b	2437	Ant1	-14.643	8	Pass
NVNT	b	2462	Ant1	-15.490	8	Pass
NVNT	g	2412	Ant1	-18.703	8	Pass
NVNT	g	2437	Ant1	-19.398	8	Pass
NVNT	g	2462	Ant1	-20.001	8	Pass
NVNT	n20	2412	Ant1	-20.489	8	Pass
NVNT	n20	2437	Ant1	-21.970	8	Pass
NVNT	n20	2462	Ant1	-20.356	8	Pass
NVNT	n40	2422	Ant1	-23.035	8	Pass
NVNT	n40	2437	Ant1	-23.104	8	Pass
NVNT	n40	2452	Ant1	-23.828	8	Pass

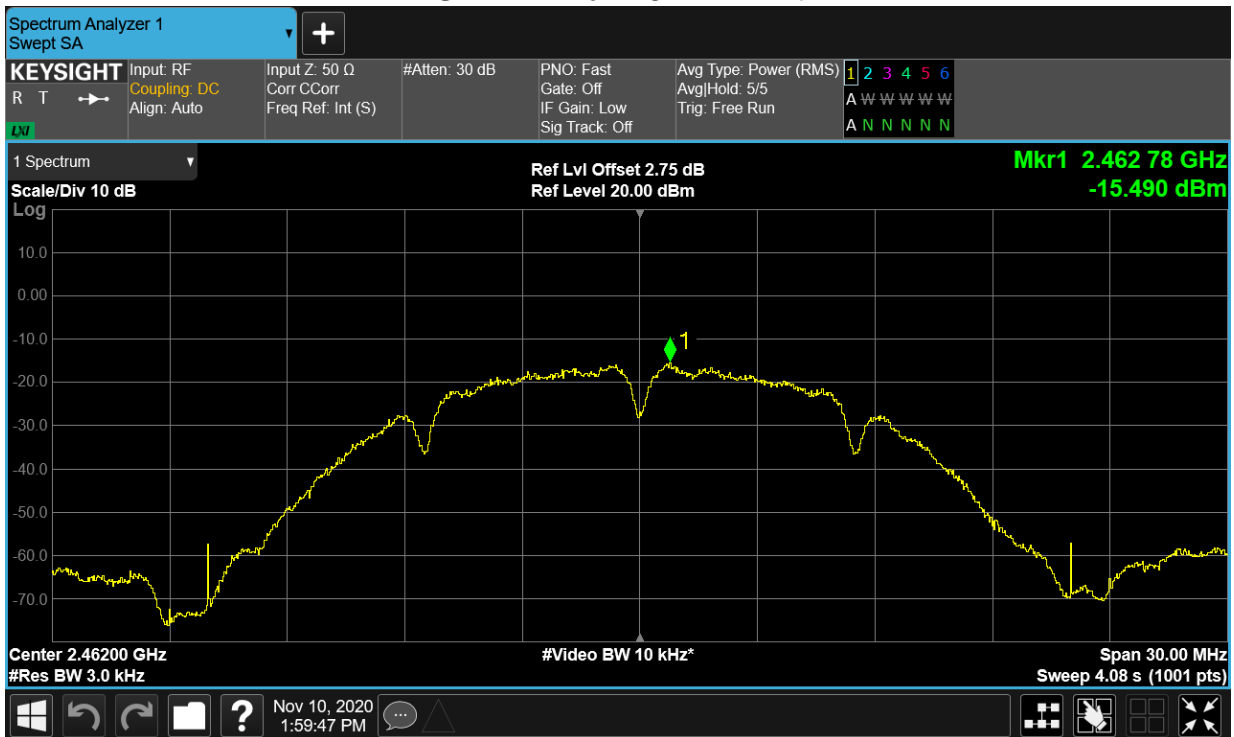
PSD NVNT b 2412MHz Ant1



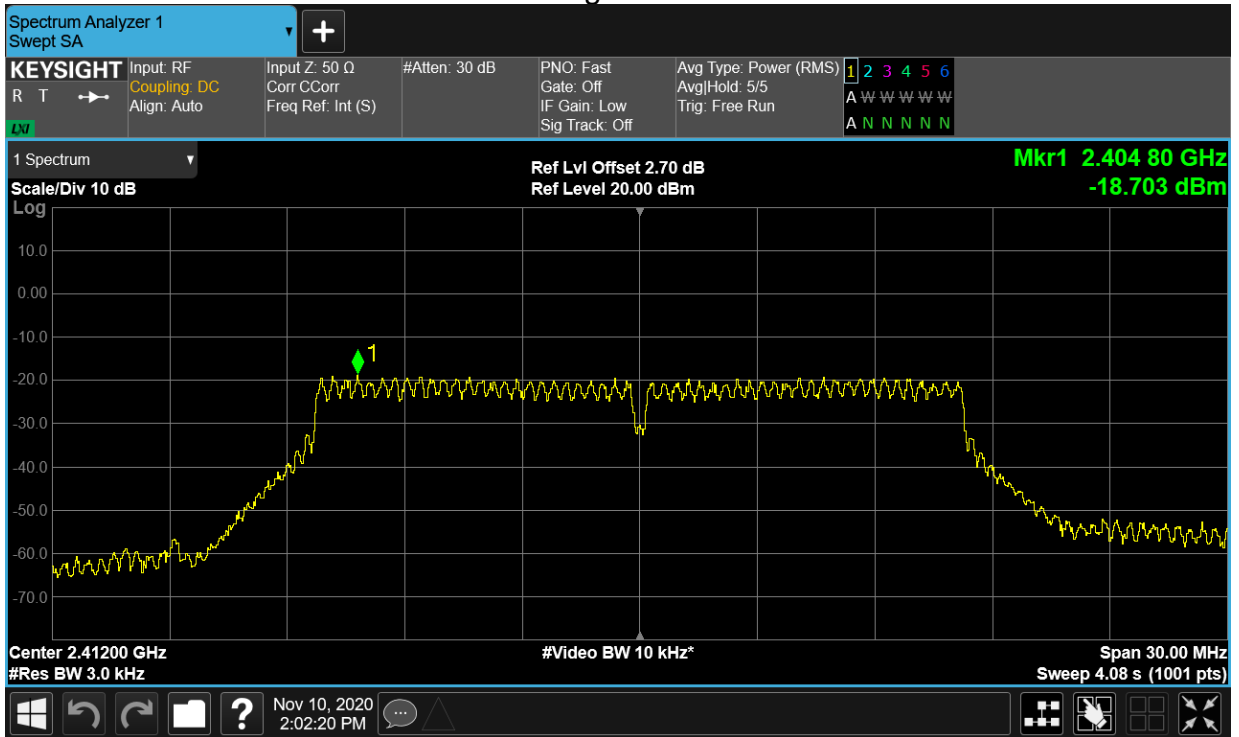
PSD NVNT b 2437MHz Ant1



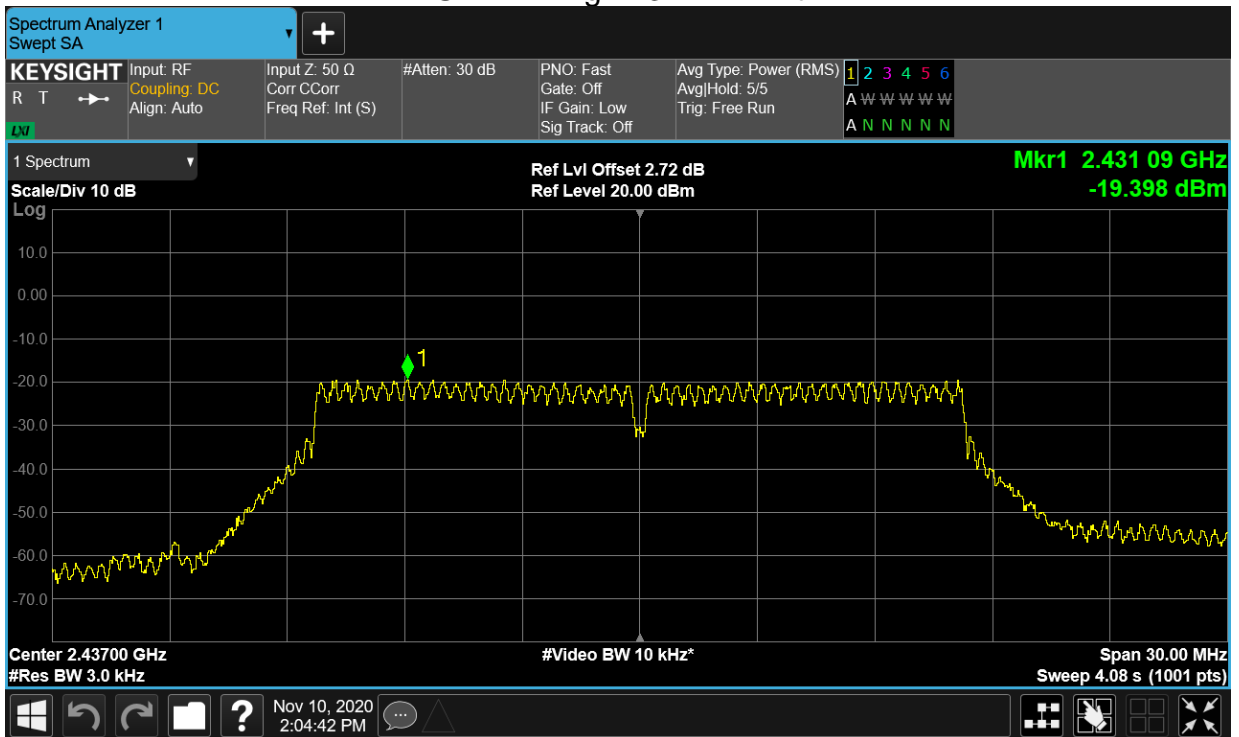
PSD NVNT b 2462MHz Ant1



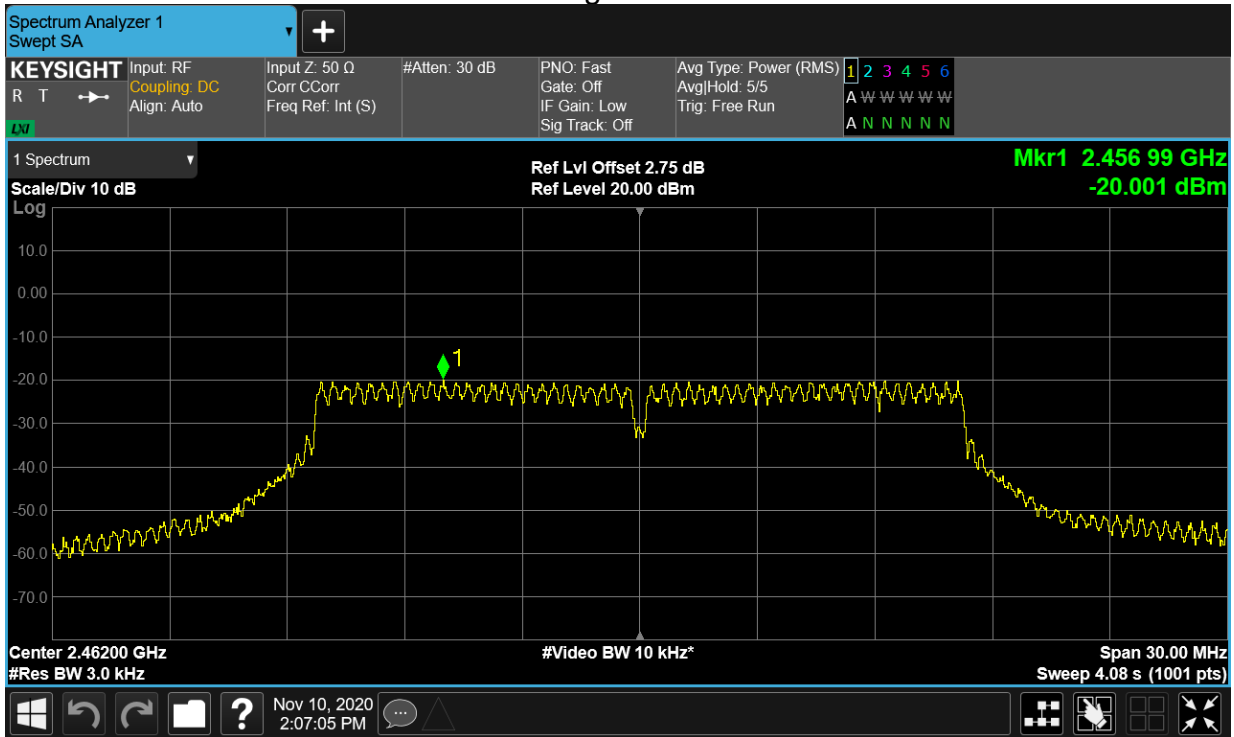
PSD NVNT g 2412MHz Ant1



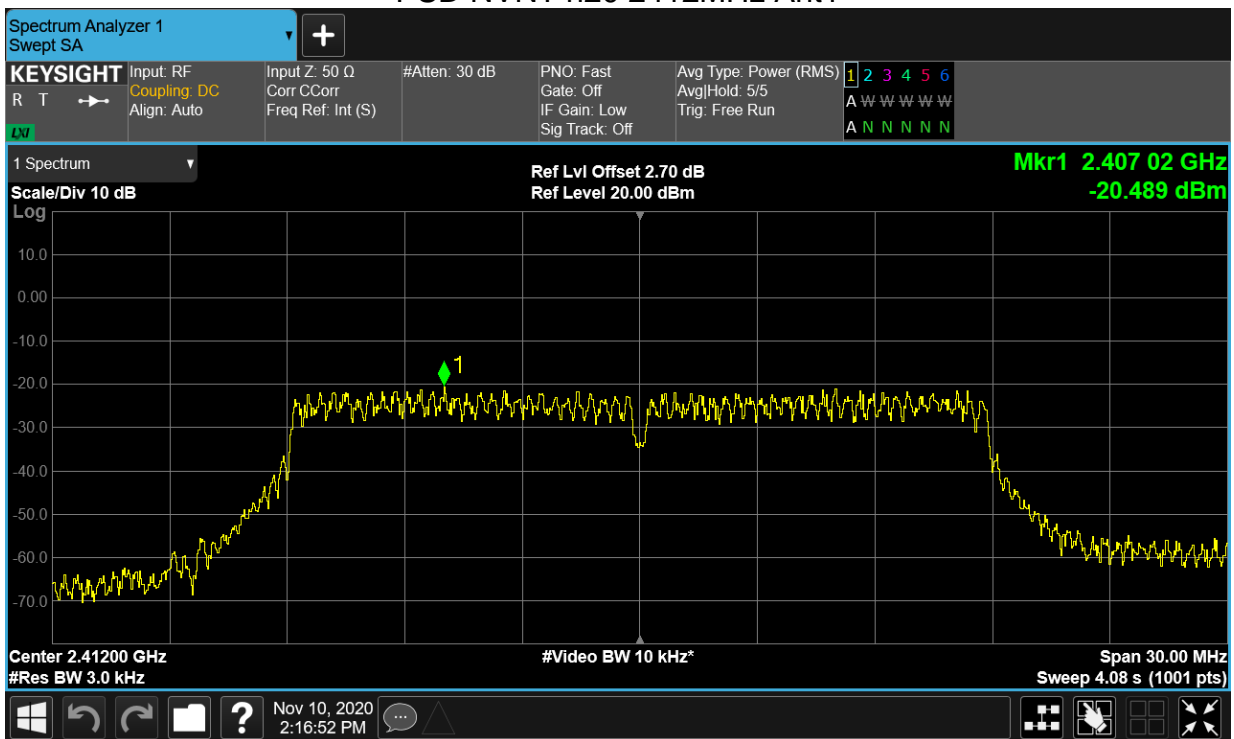
PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1

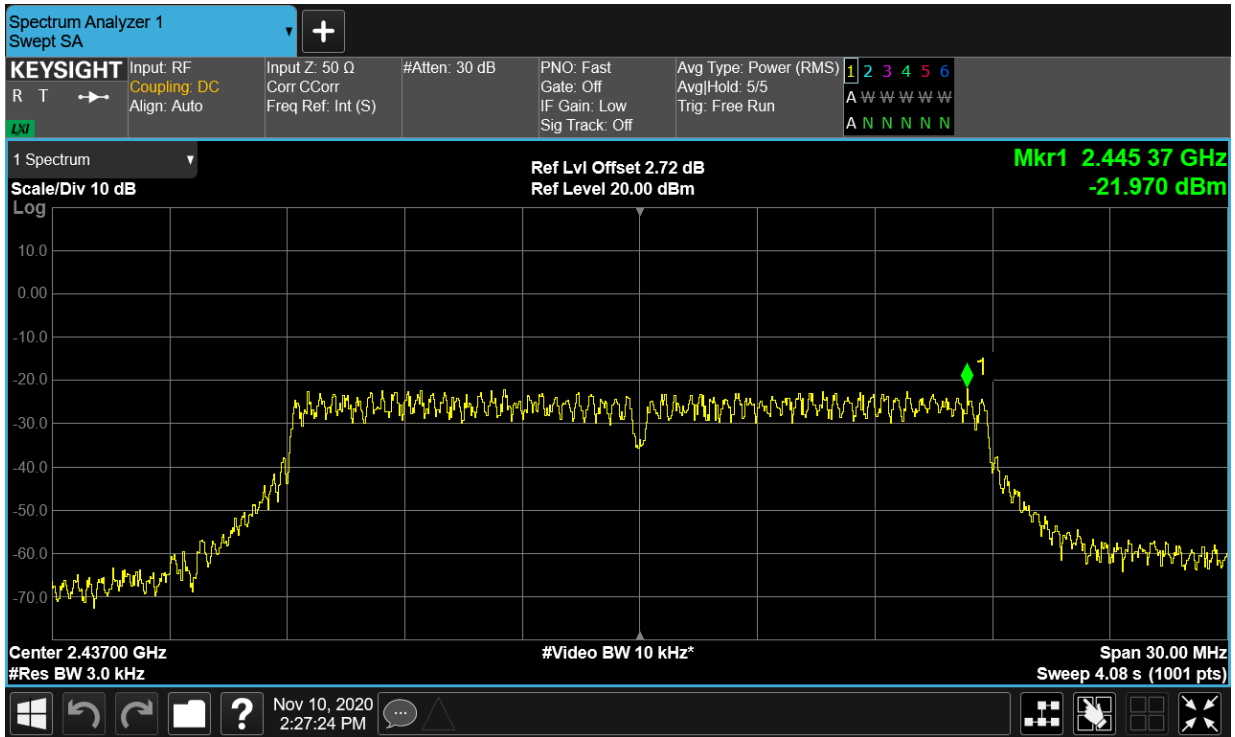


PSD NVNT n20 2412MHz Ant1

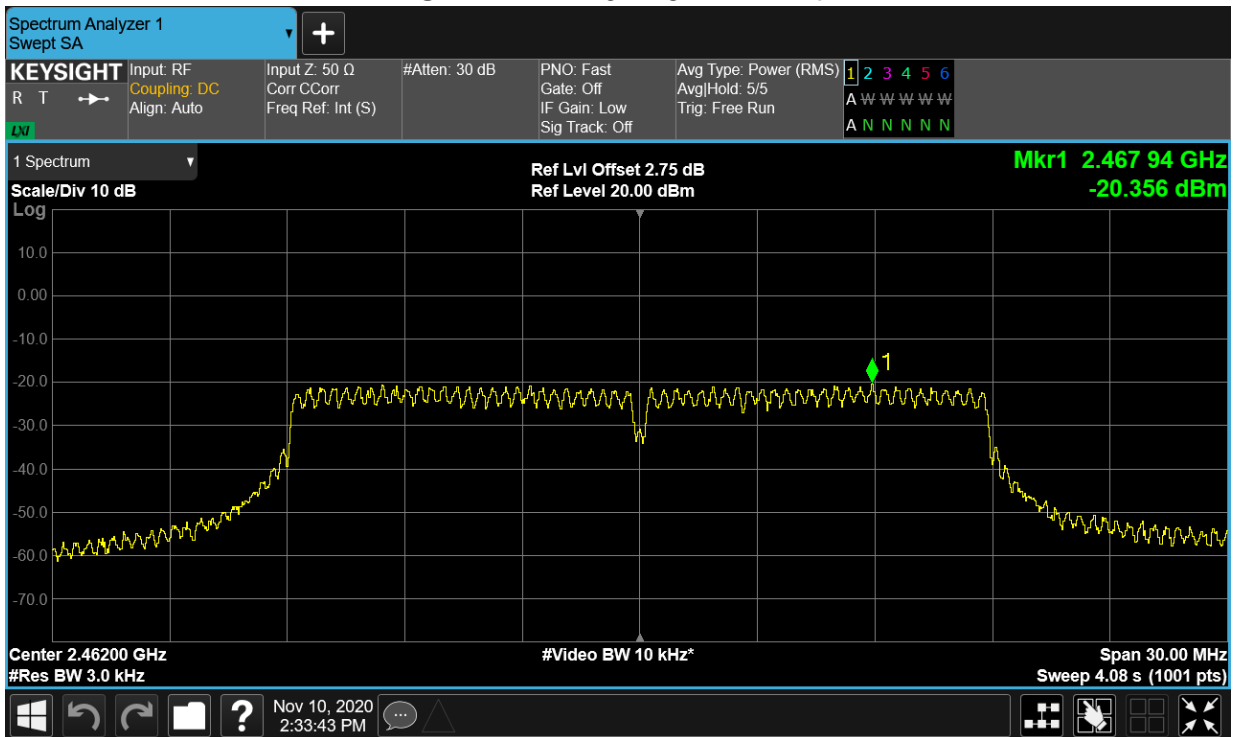




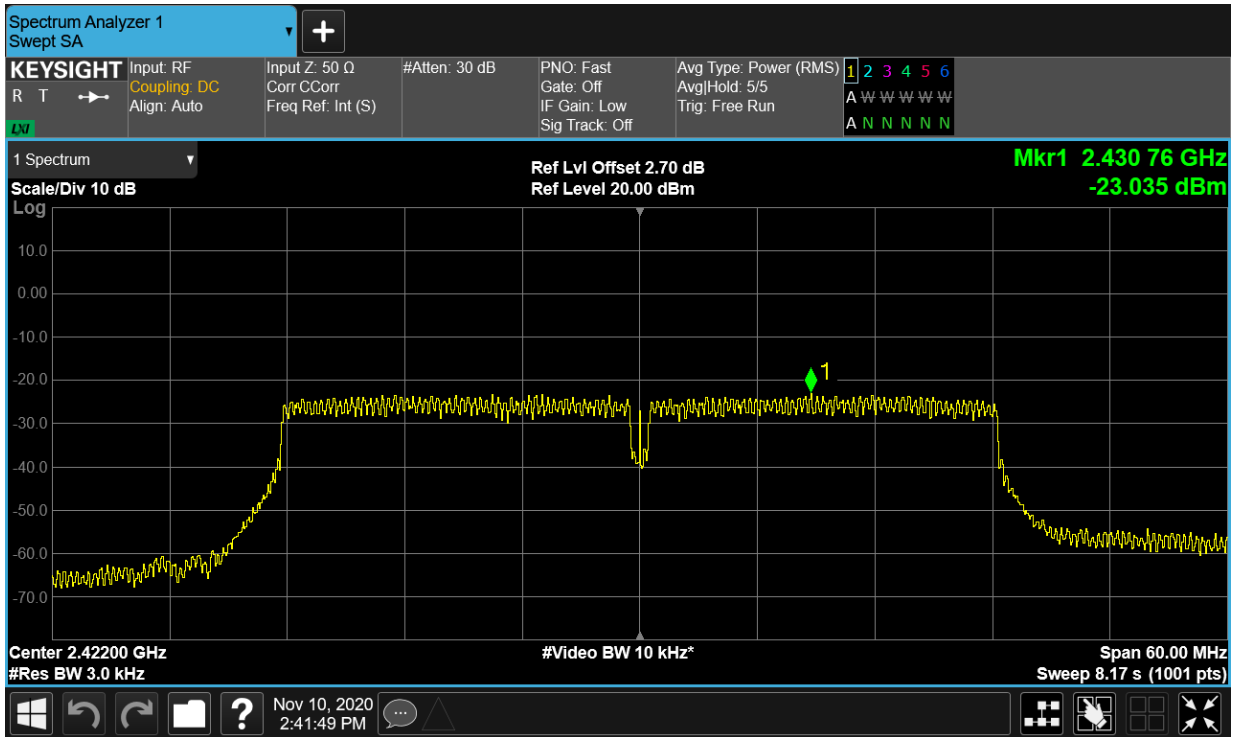
PSD NVNT n20 2437MHz Ant1



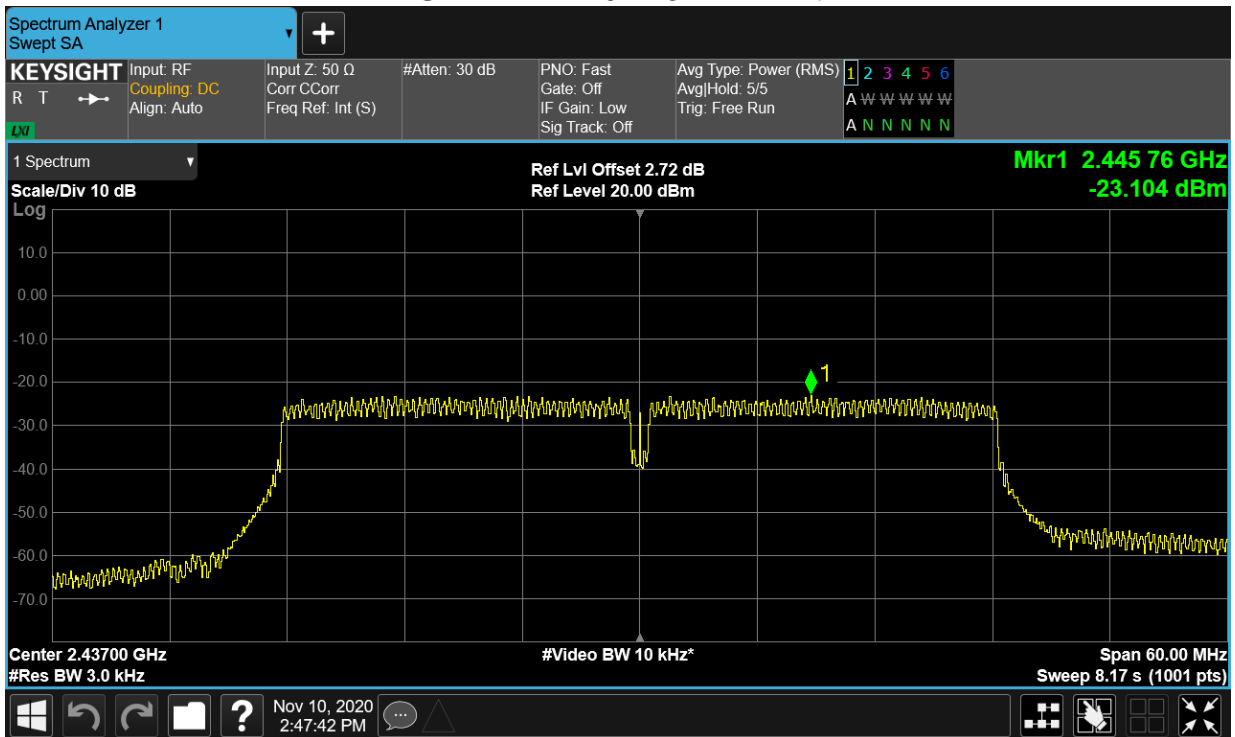
PSD NVNT n20 2462MHz Ant1



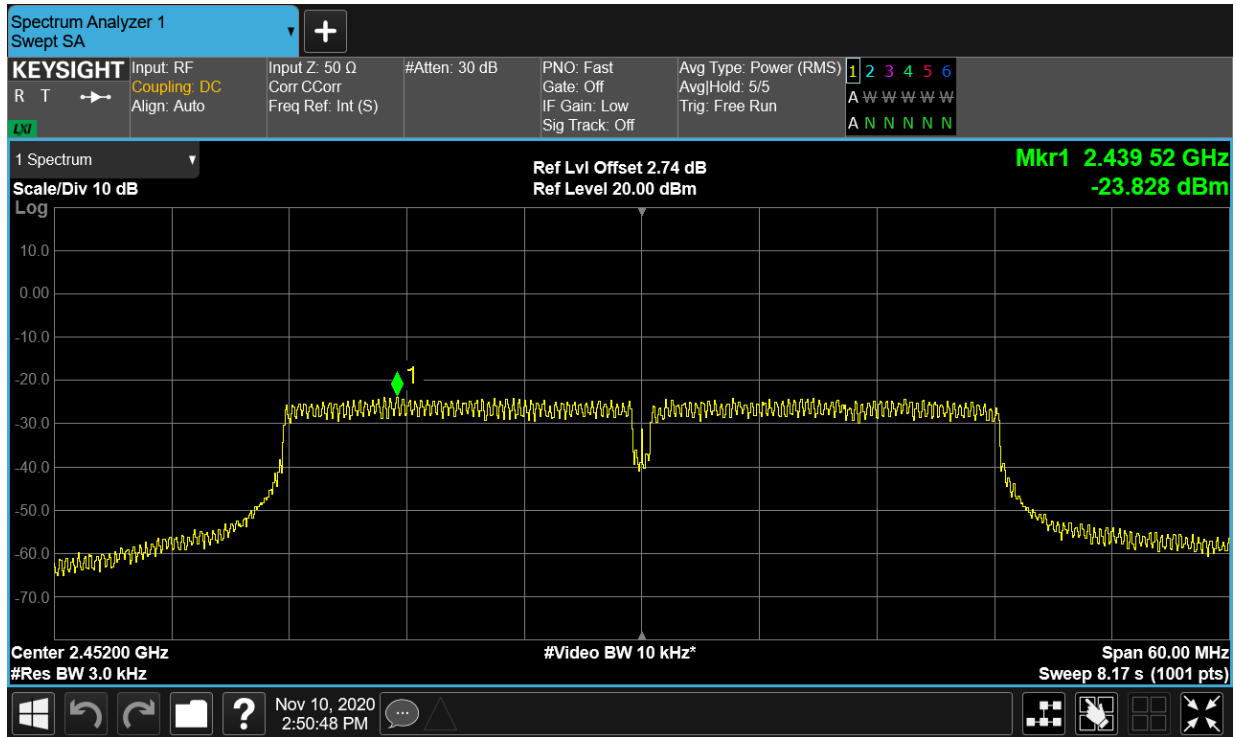
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



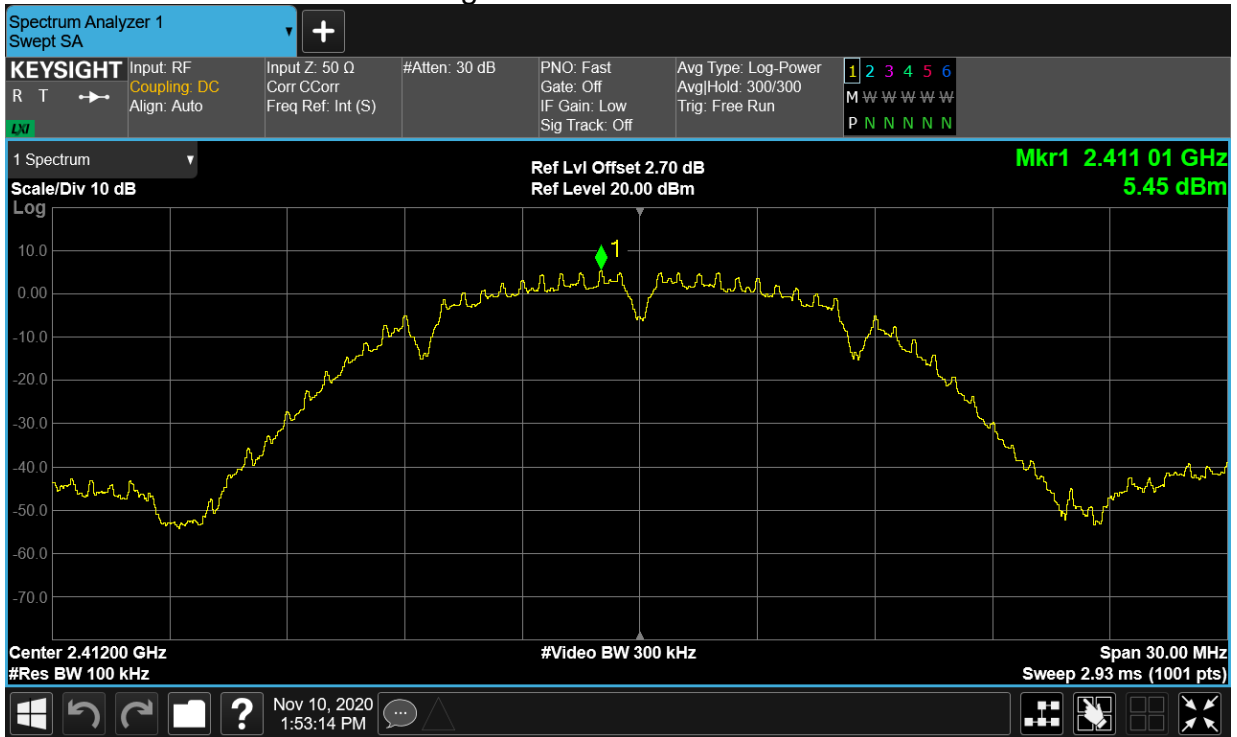
PSD NVNT n40 2452MHz Ant1



**Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-58.88	-30	Pass
NVNT	b	2462	Ant1	-59.22	-30	Pass
NVNT	g	2412	Ant1	-49.53	-30	Pass
NVNT	g	2462	Ant1	-39.58	-30	Pass
NVNT	n20	2412	Ant1	-46.73	-30	Pass
NVNT	n20	2462	Ant1	-39.26	-30	Pass
NVNT	n40	2422	Ant1	-38.6	-30	Pass
NVNT	n40	2452	Ant1	-32.51	-30	Pass

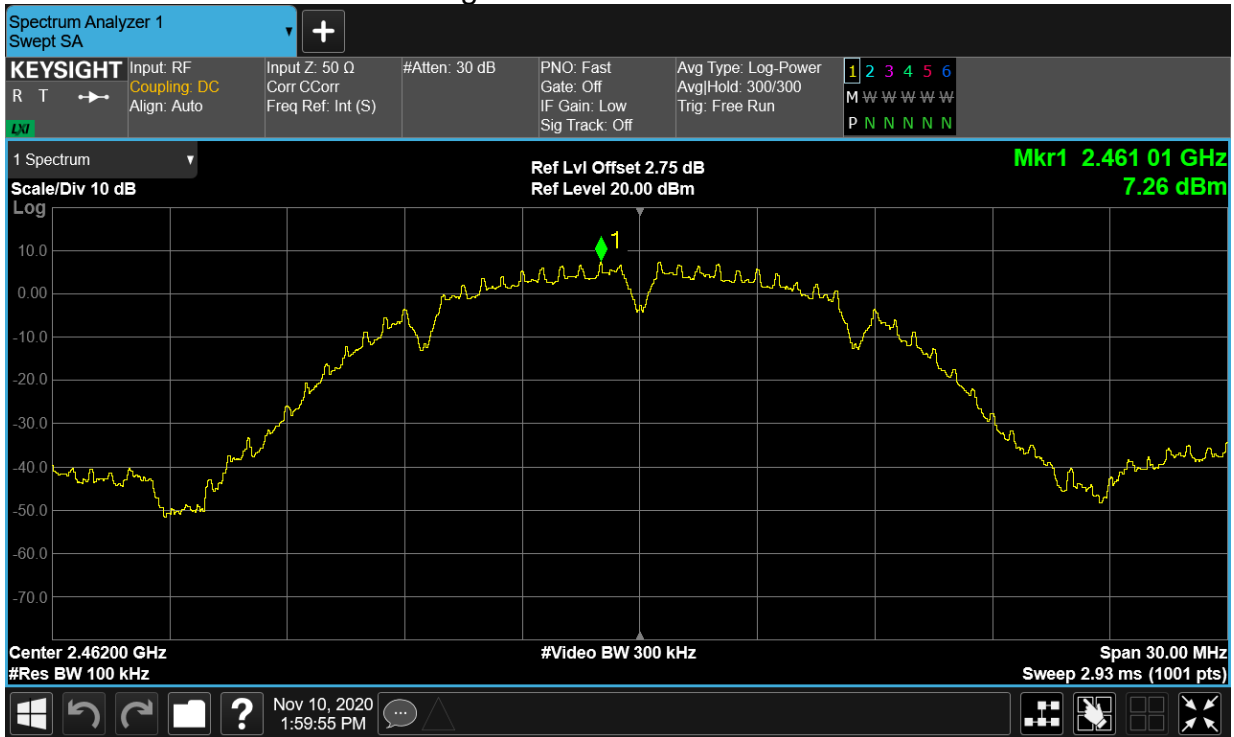
### Band Edge NVNT b 2412MHz Ant1 Ref



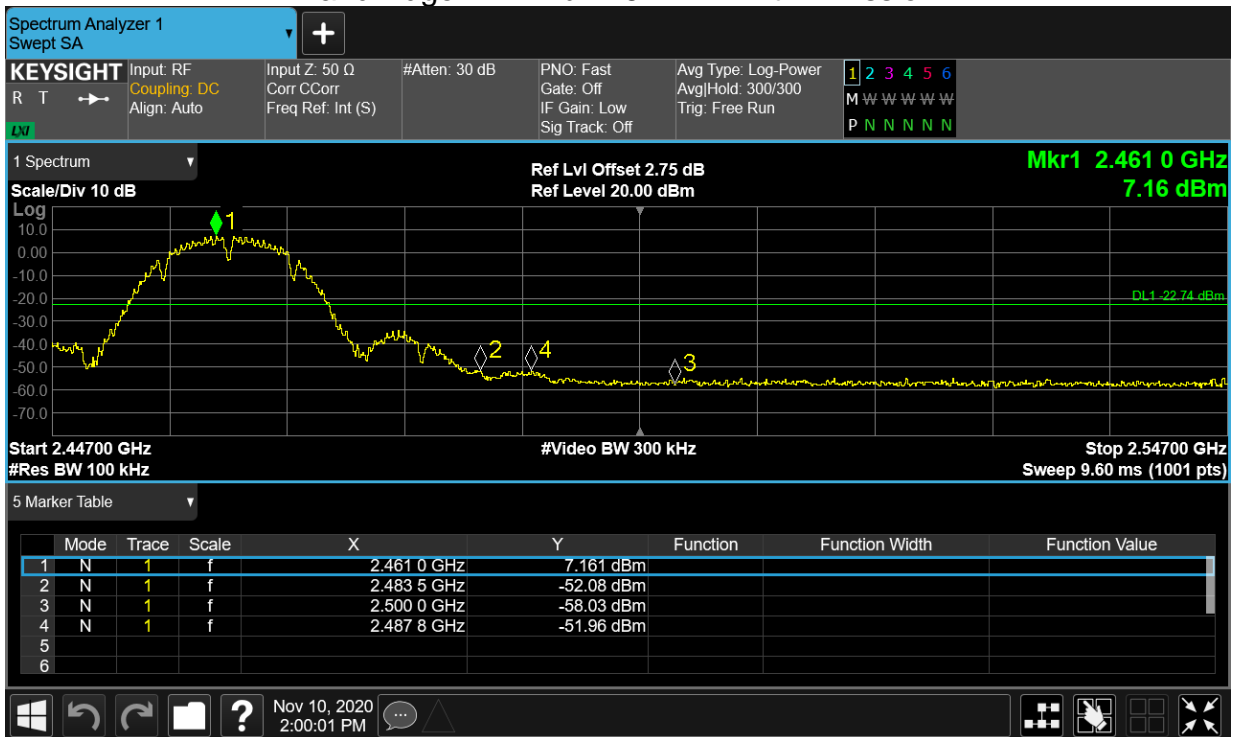
### Band Edge NVNT b 2412MHz Ant1 Emission



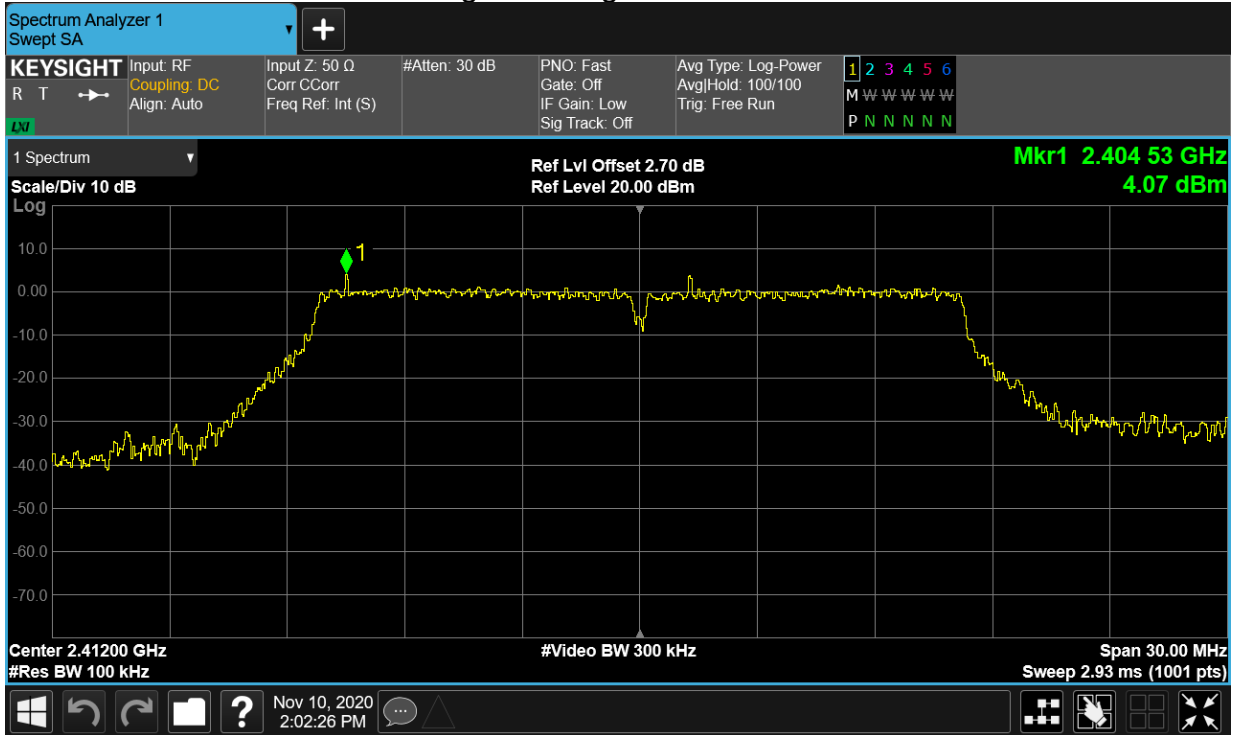
### Band Edge NVNT b 2462MHz Ant1 Ref



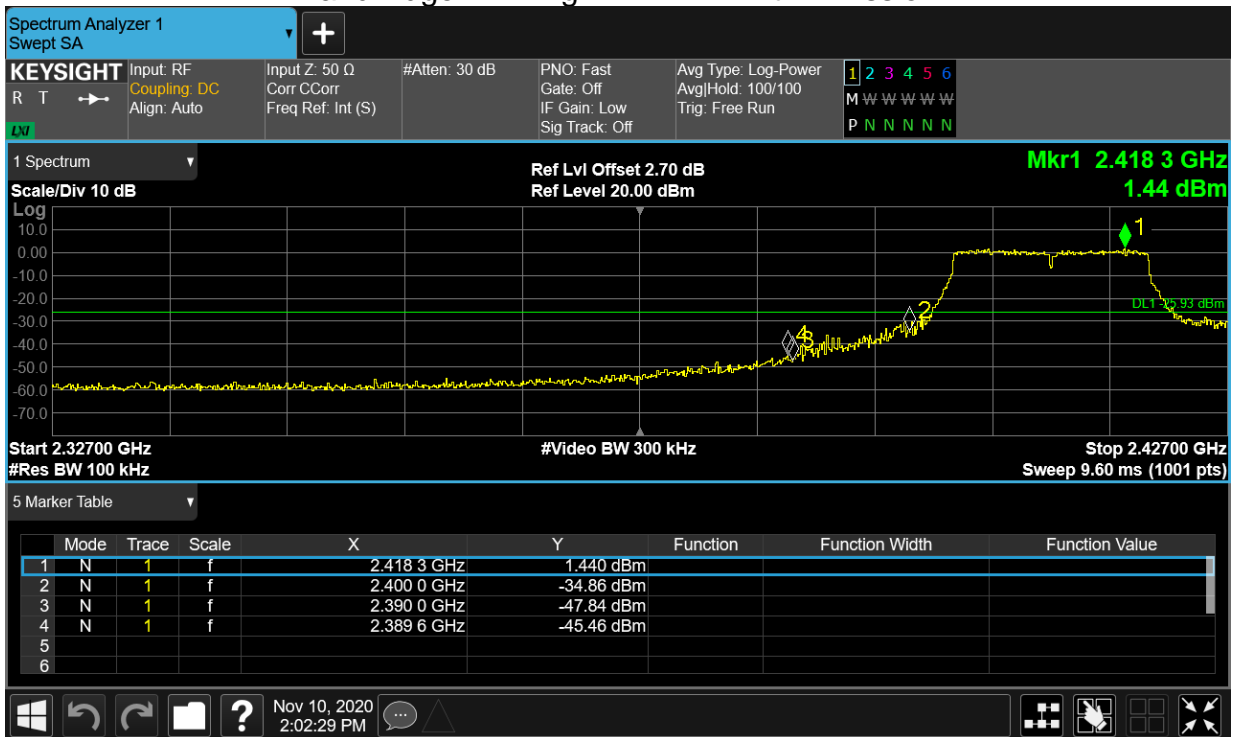
### Band Edge NVNT b 2462MHz Ant1 Emission



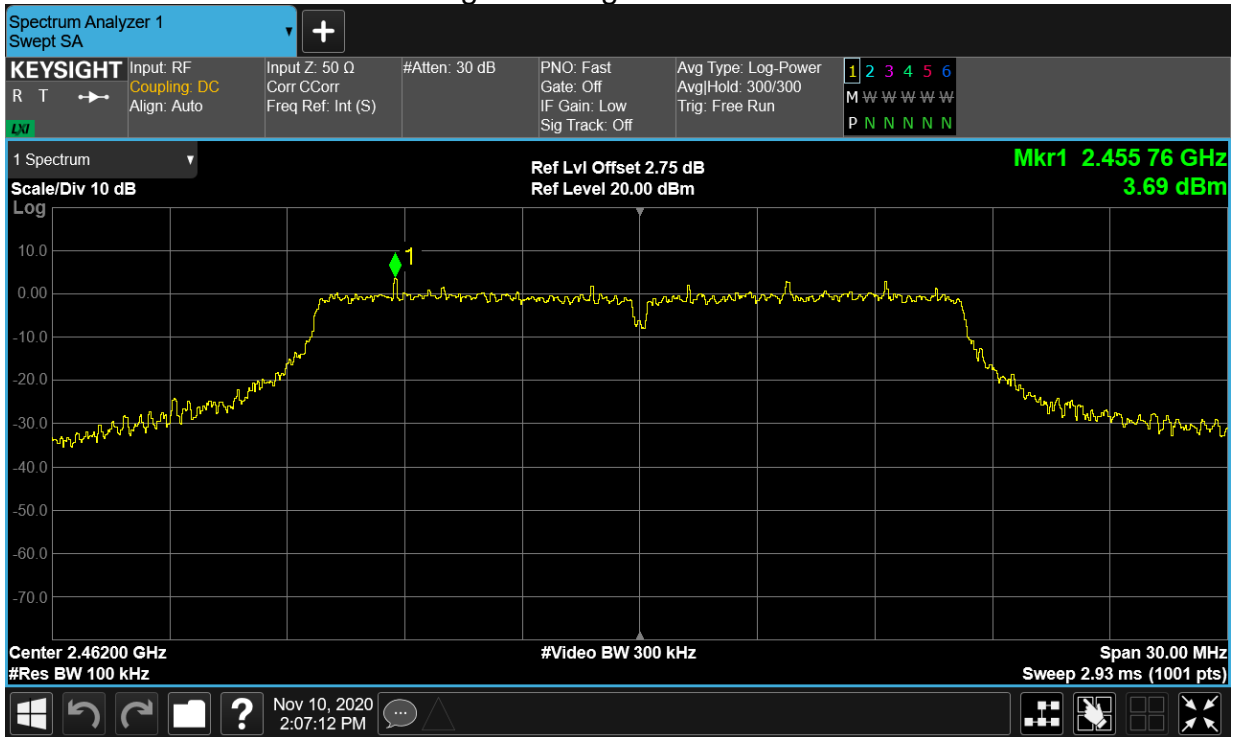
### Band Edge NVNT g 2412MHz Ant1 Ref



### Band Edge NVNT g 2412MHz Ant1 Emission



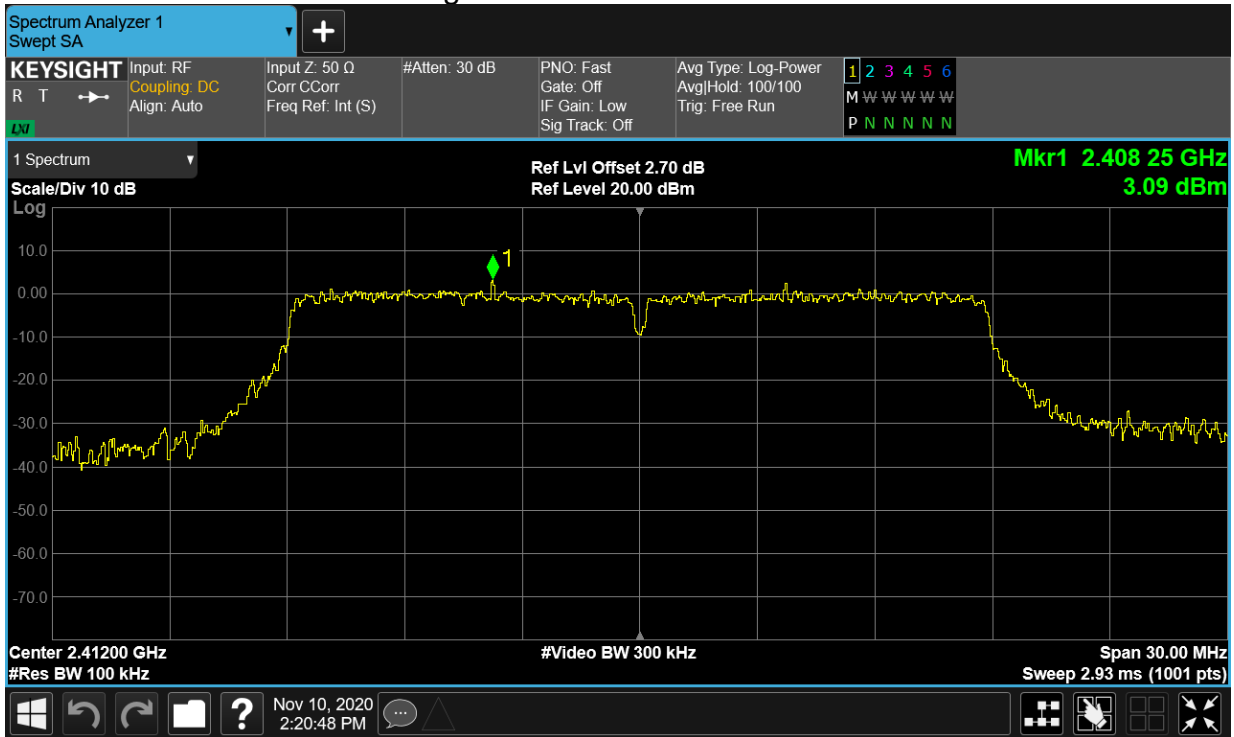
### Band Edge NVNT g 2462MHz Ant1 Ref



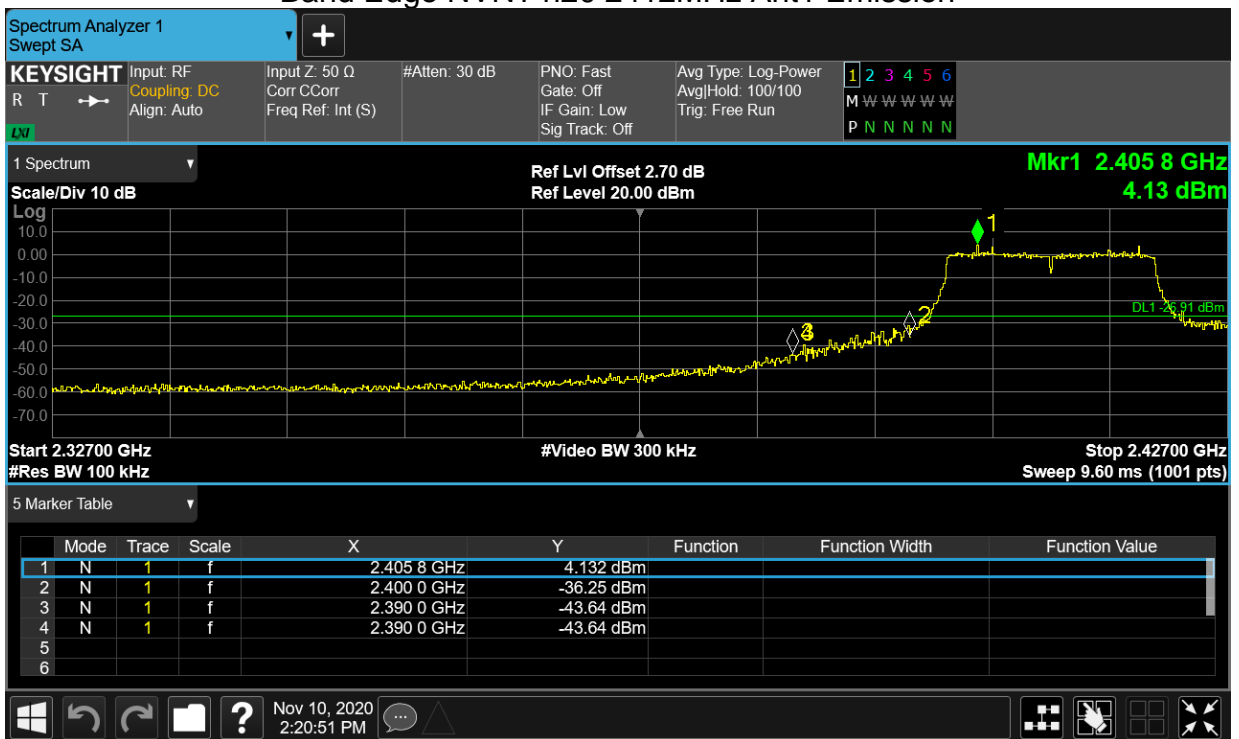
### Band Edge NVNT g 2462MHz Ant1 Emission



### Band Edge NVNT n20 2412MHz Ant1 Ref

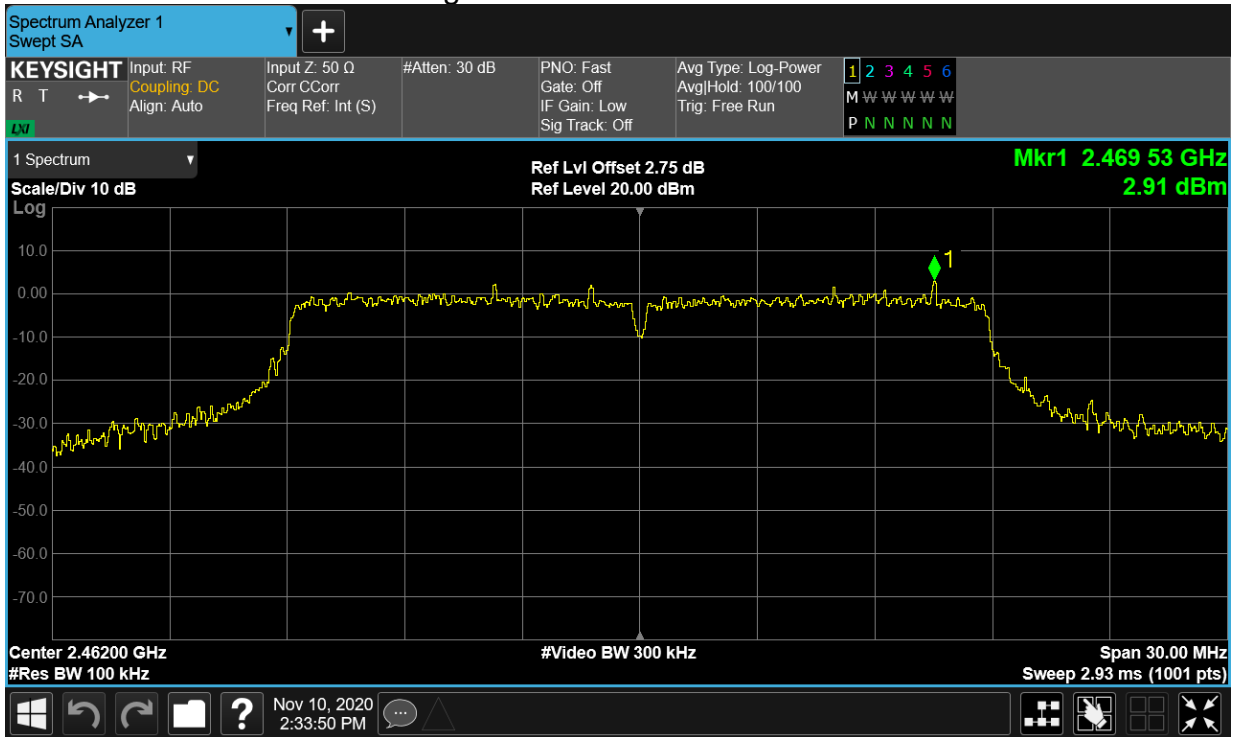


### Band Edge NVNT n20 2412MHz Ant1 Emission

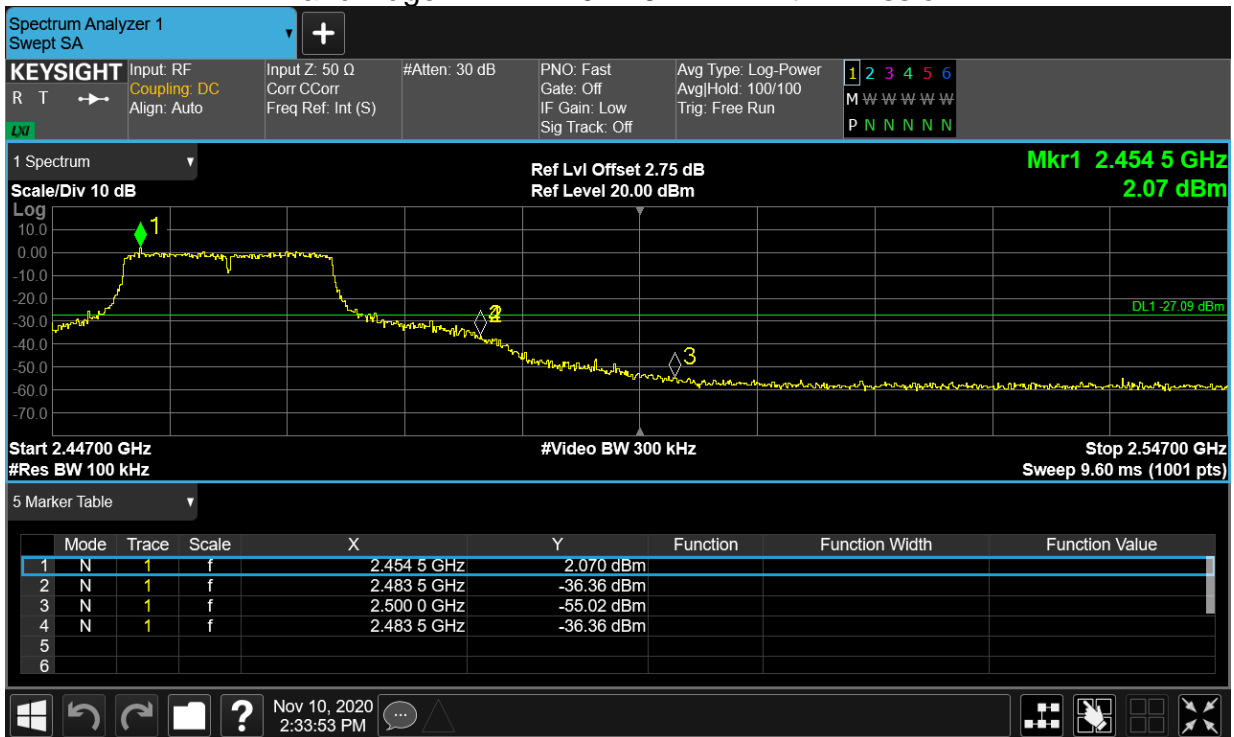




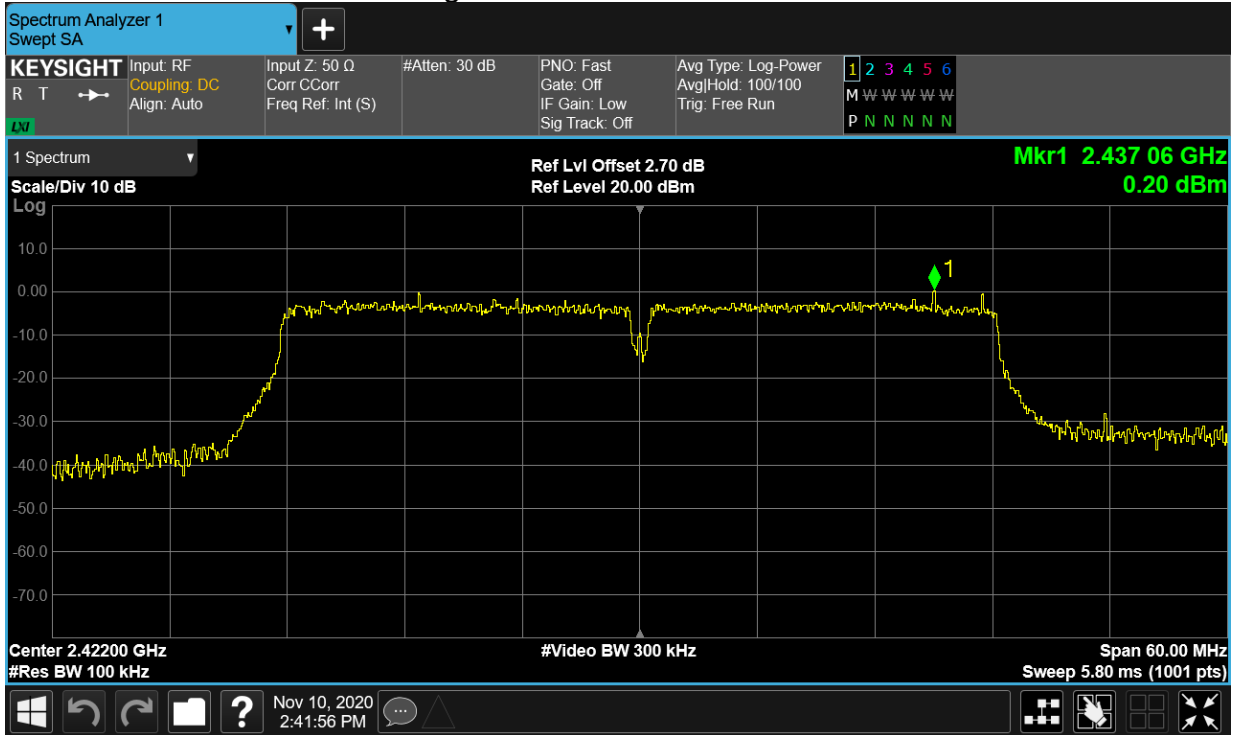
### Band Edge NVNT n20 2462MHz Ant1 Ref



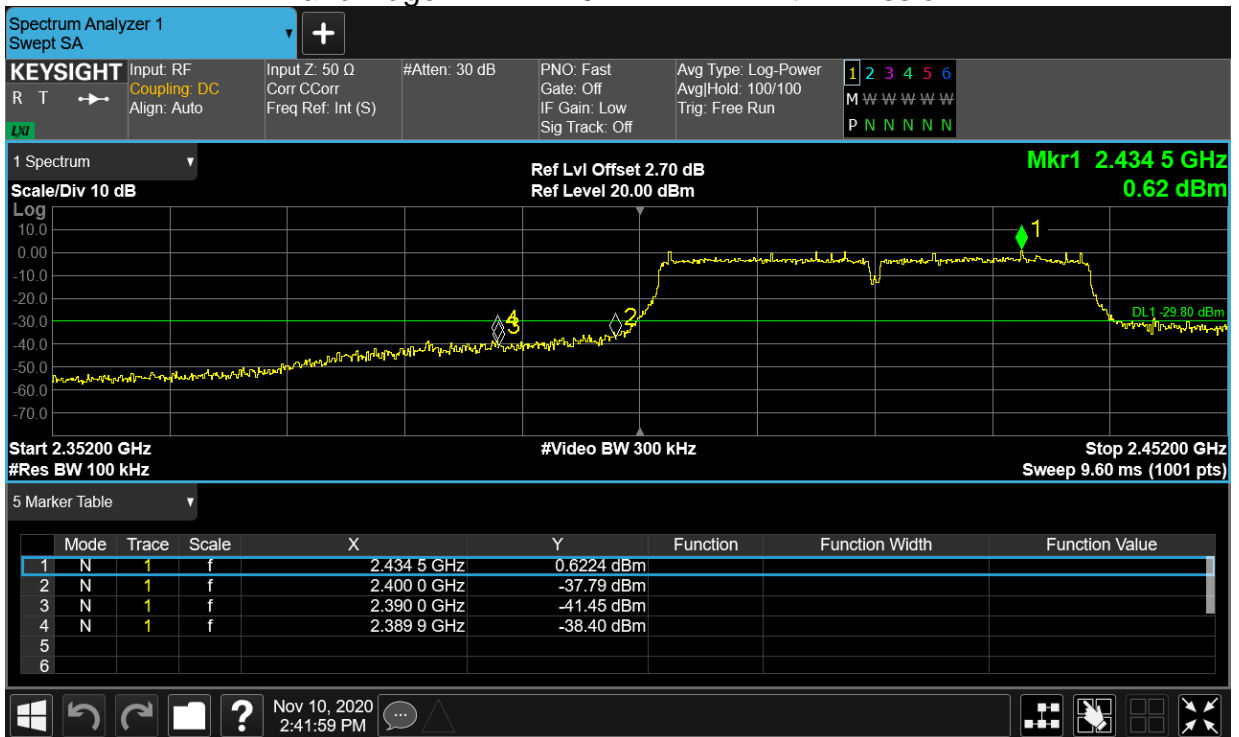
### Band Edge NVNT n20 2462MHz Ant1 Emission



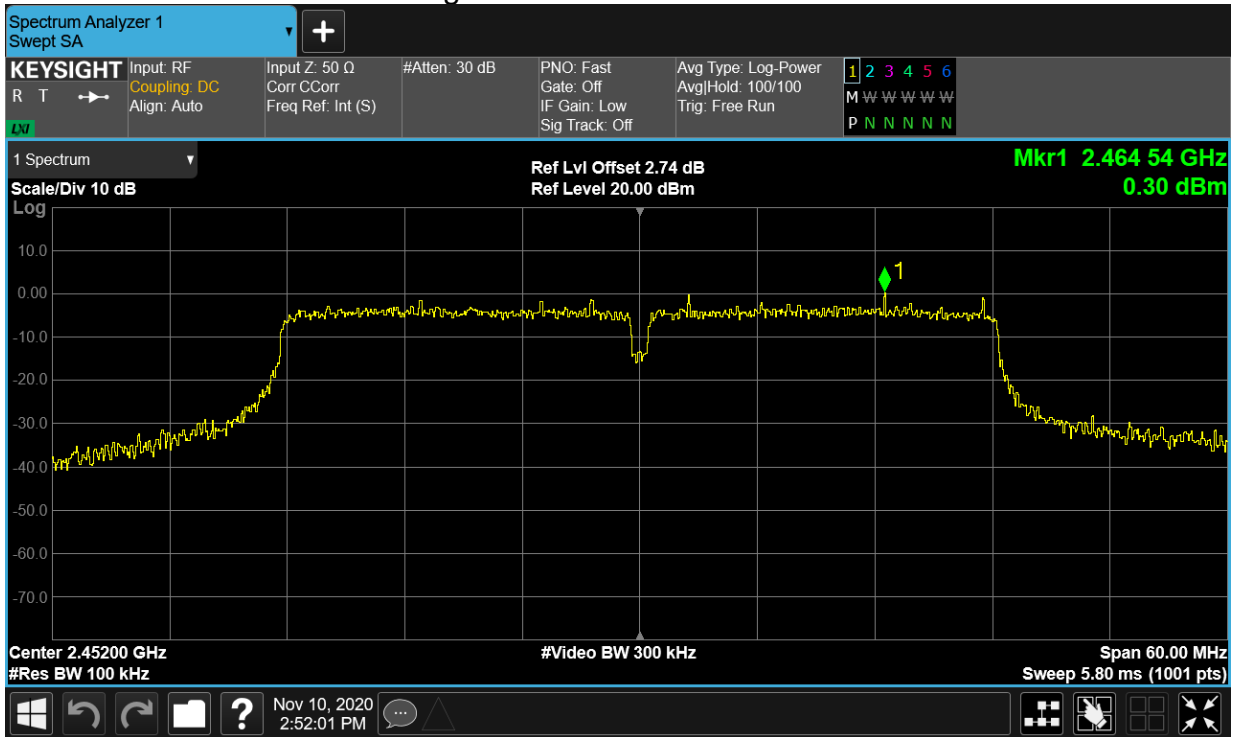
### Band Edge NVNT n40 2422MHz Ant1 Ref



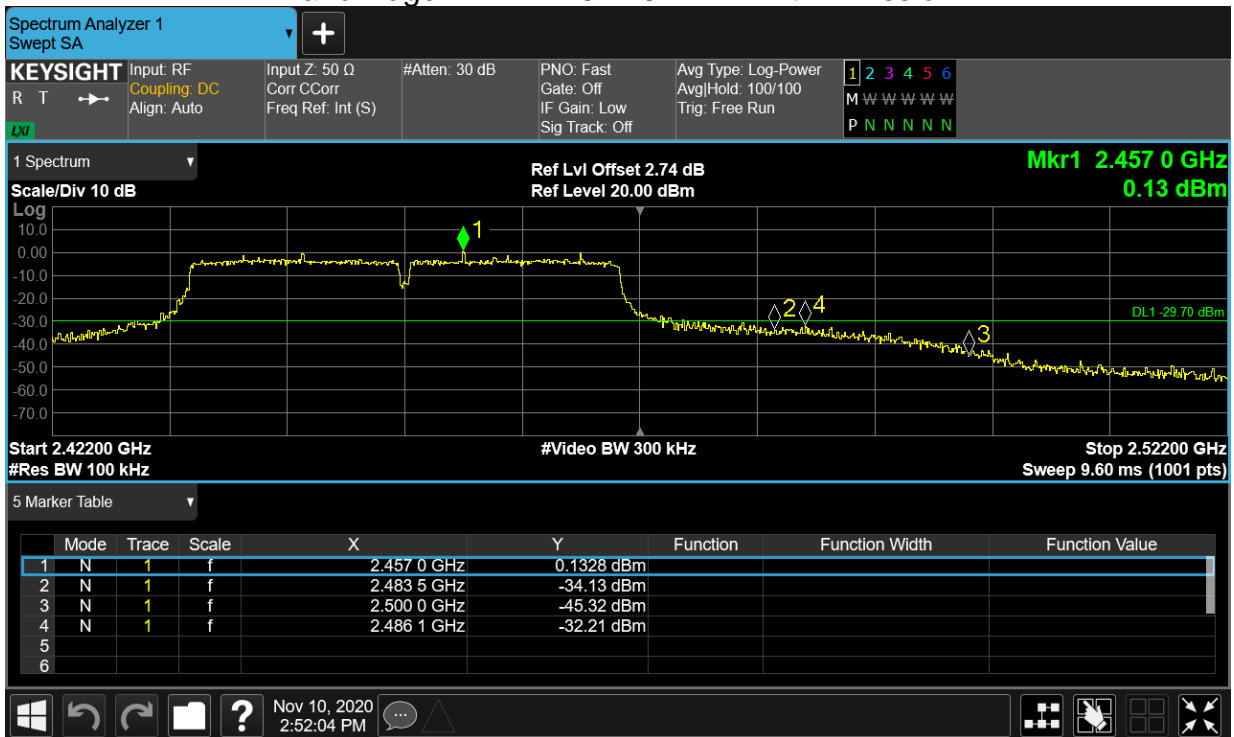
### Band Edge NVNT n40 2422MHz Ant1 Emission



## Band Edge NVNT n40 2452MHz Ant1 Ref



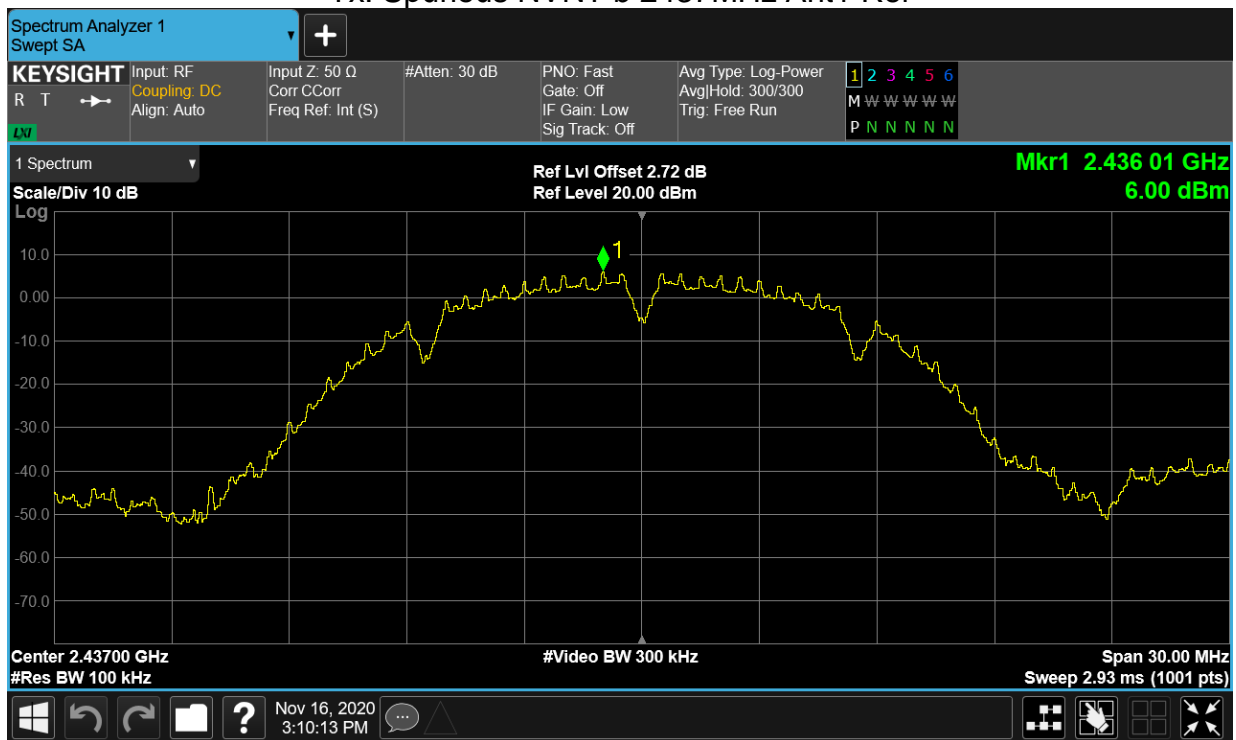
## Band Edge NVNT n40 2452MHz Ant1 Emission



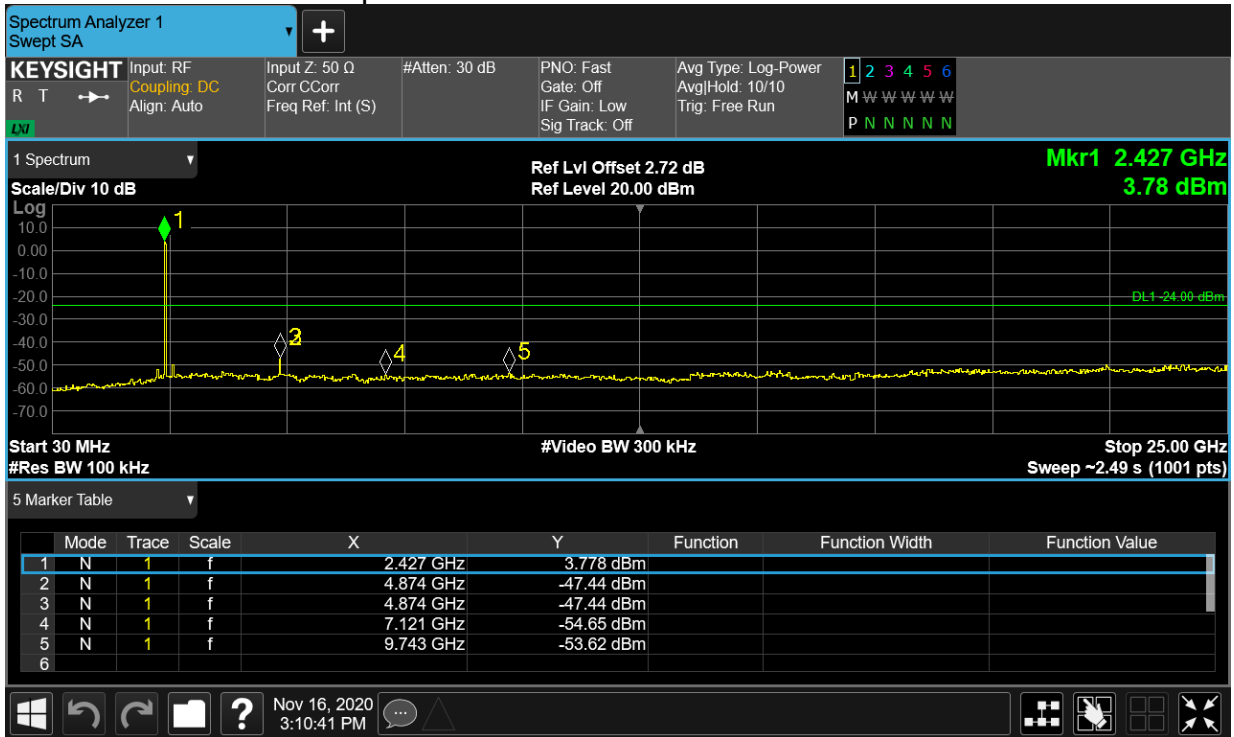
**Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2437	Ant1	-53.43	-30	Pass
NVNT	b	2462	Ant1	-53.30	-30	Pass
NVNT	g	2412	Ant1	-50.70	-30	Pass
NVNT	g	2437	Ant1	-52.55	-30	Pass
NVNT	g	2462	Ant1	-50.08	-30	Pass
NVNT	n20	2412	Ant1	-50.58	-30	Pass
NVNT	n20	2437	Ant1	-56.34	-30	Pass
NVNT	n20	2462	Ant1	-49.00	-30	Pass
NVNT	n40	2422	Ant1	-47.76	-30	Pass
NVNT	n40	2437	Ant1	-45.91	-30	Pass
NVNT	n40	2452	Ant1	-38.42	-30	Pass

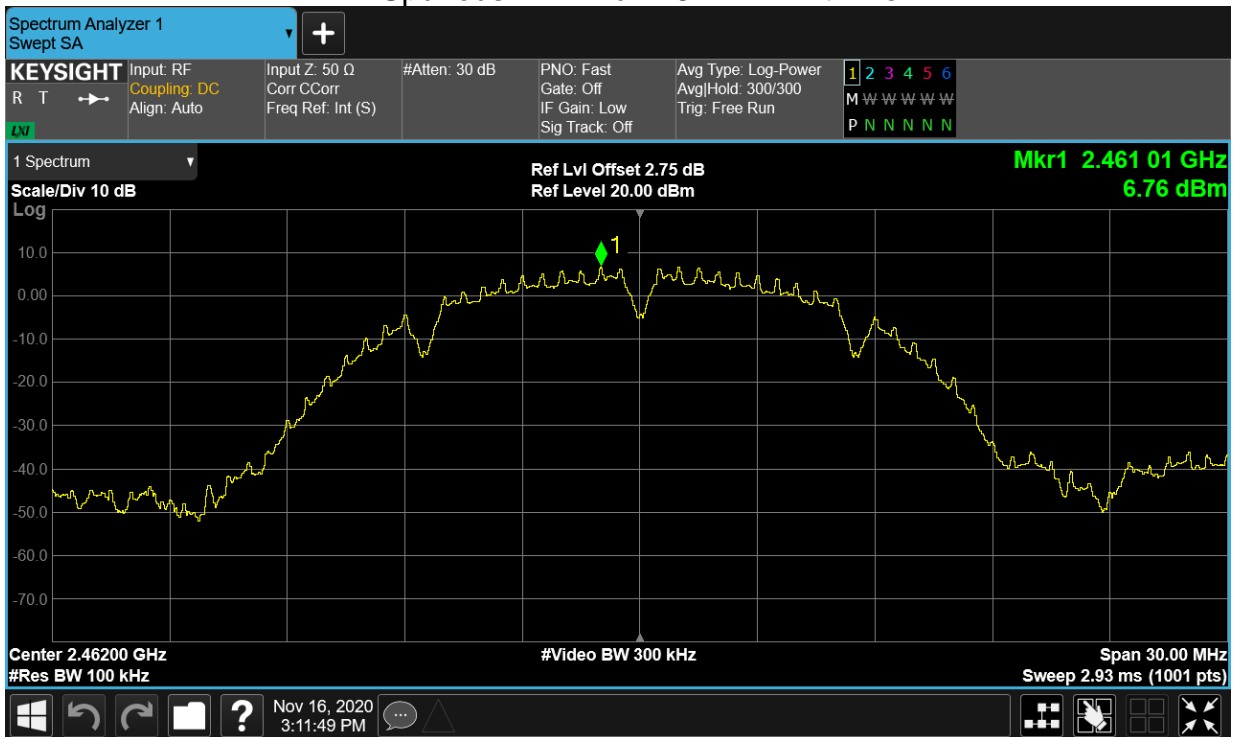
Tx. Spurious NVNT b 2437MHz Ant1 Ref



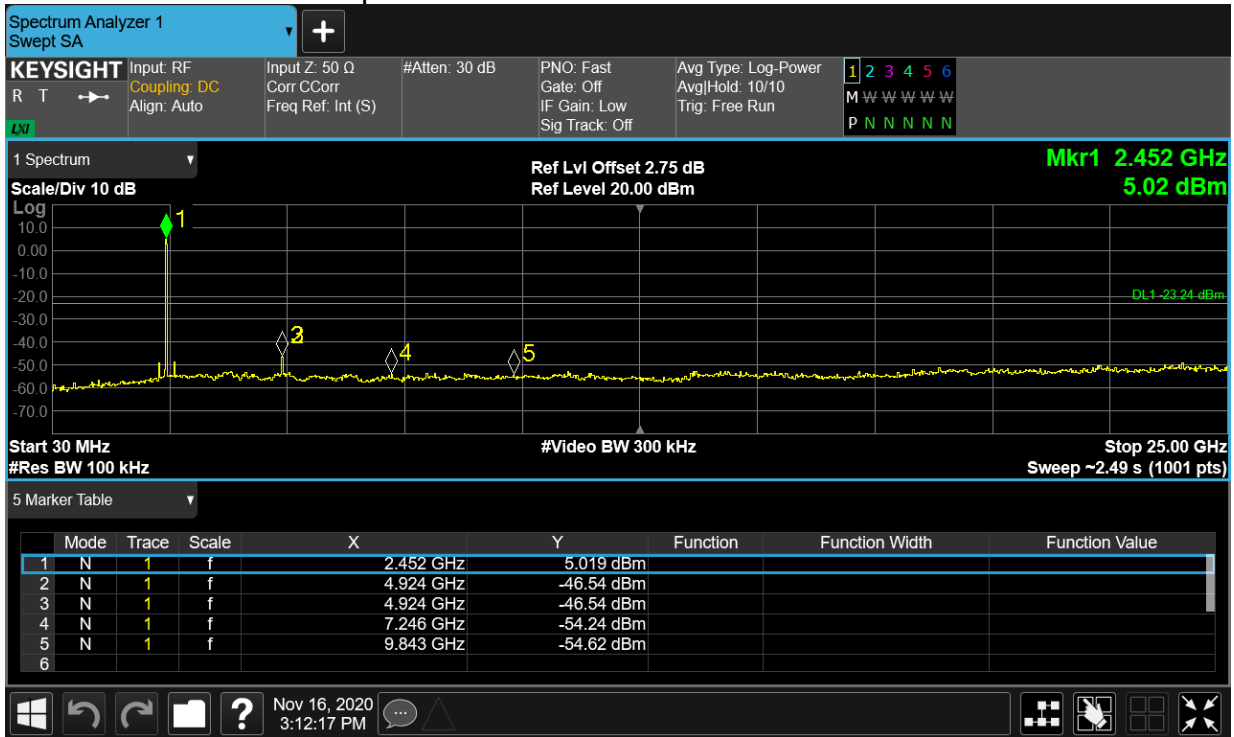
Tx. Spurious NVNT b 2437MHz Ant1 Emission



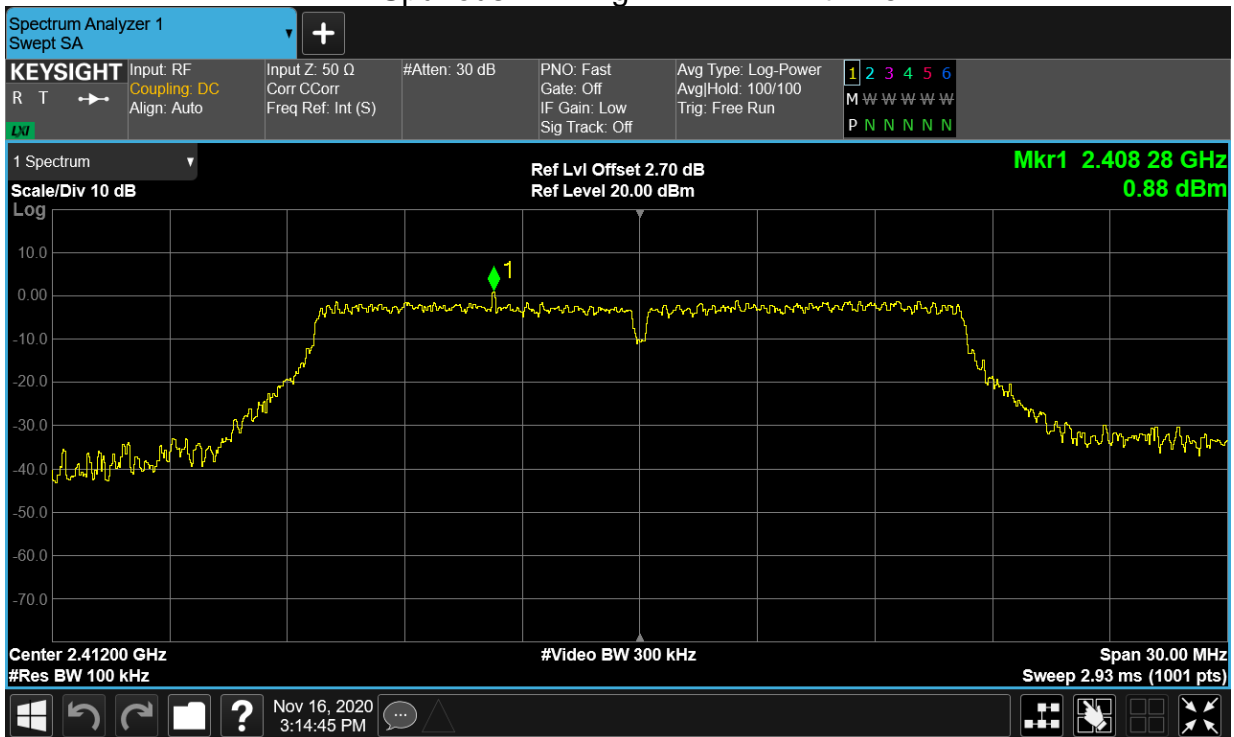
Tx. Spurious NVNT b 2462MHz Ant1 Ref



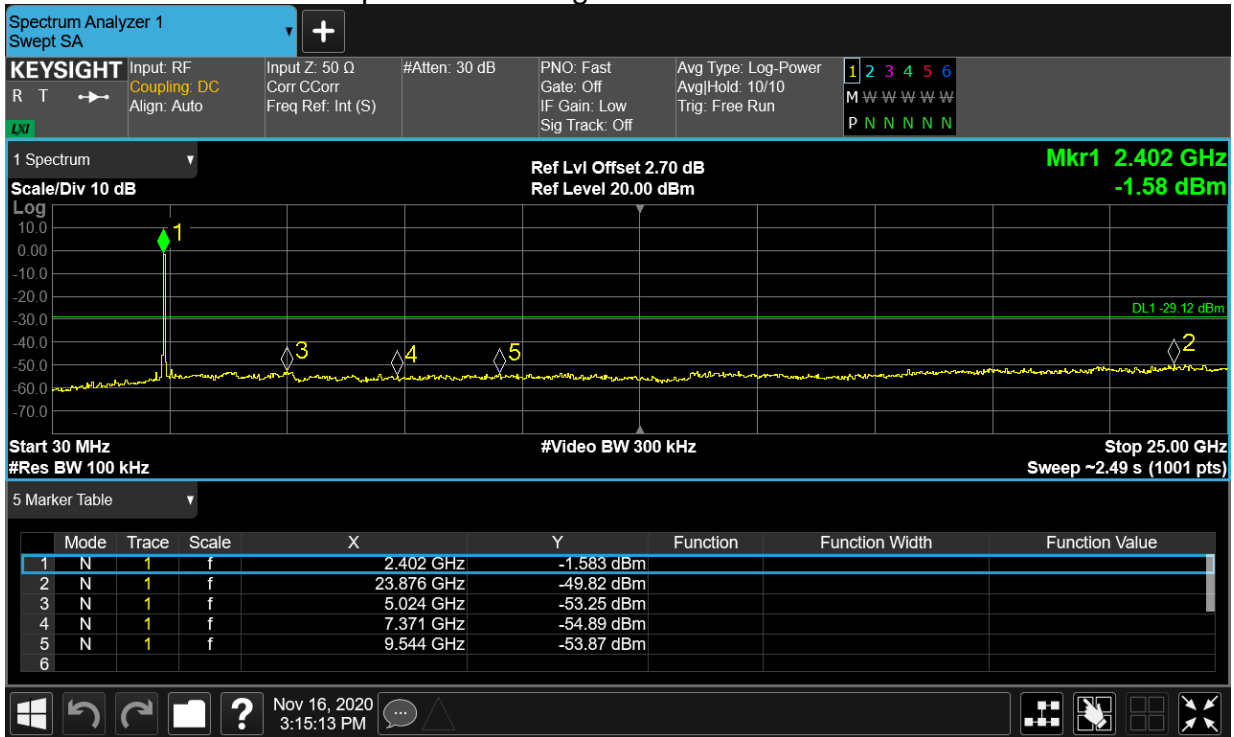
## Tx. Spurious NVNT b 2462MHz Ant1 Emission



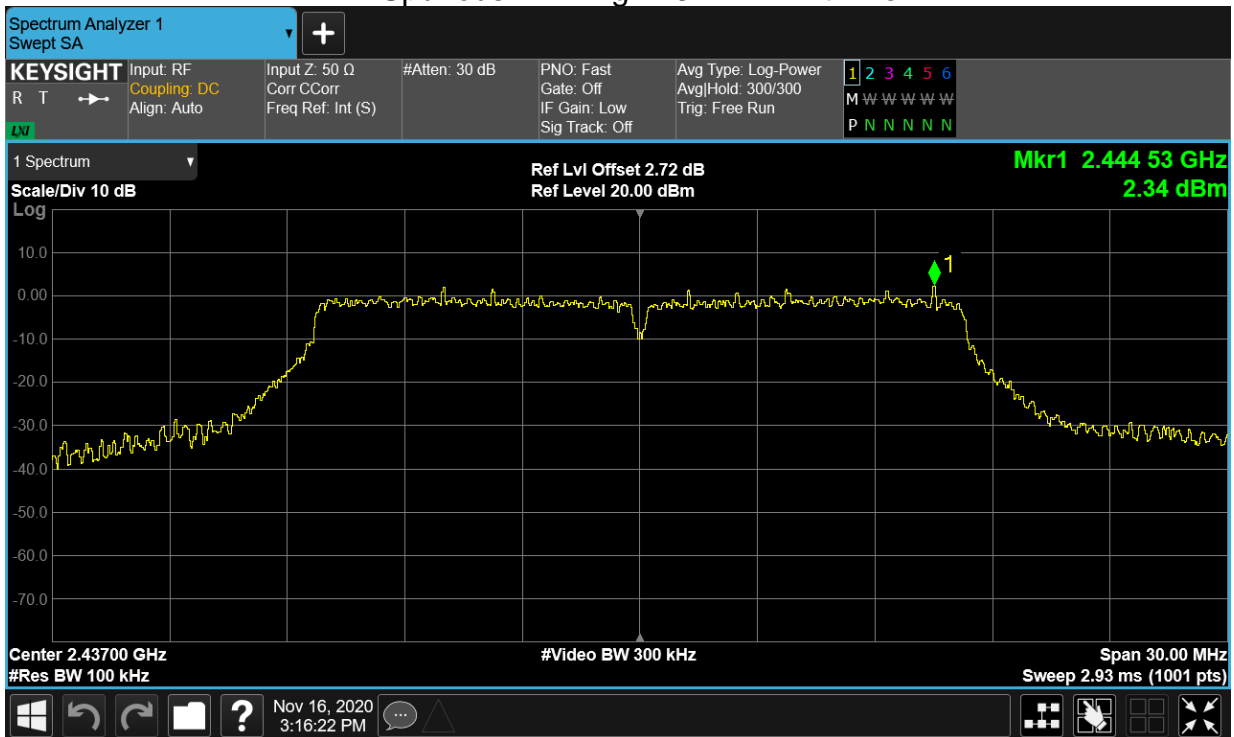
## Tx. Spurious NVNT g 2412MHz Ant1 Ref



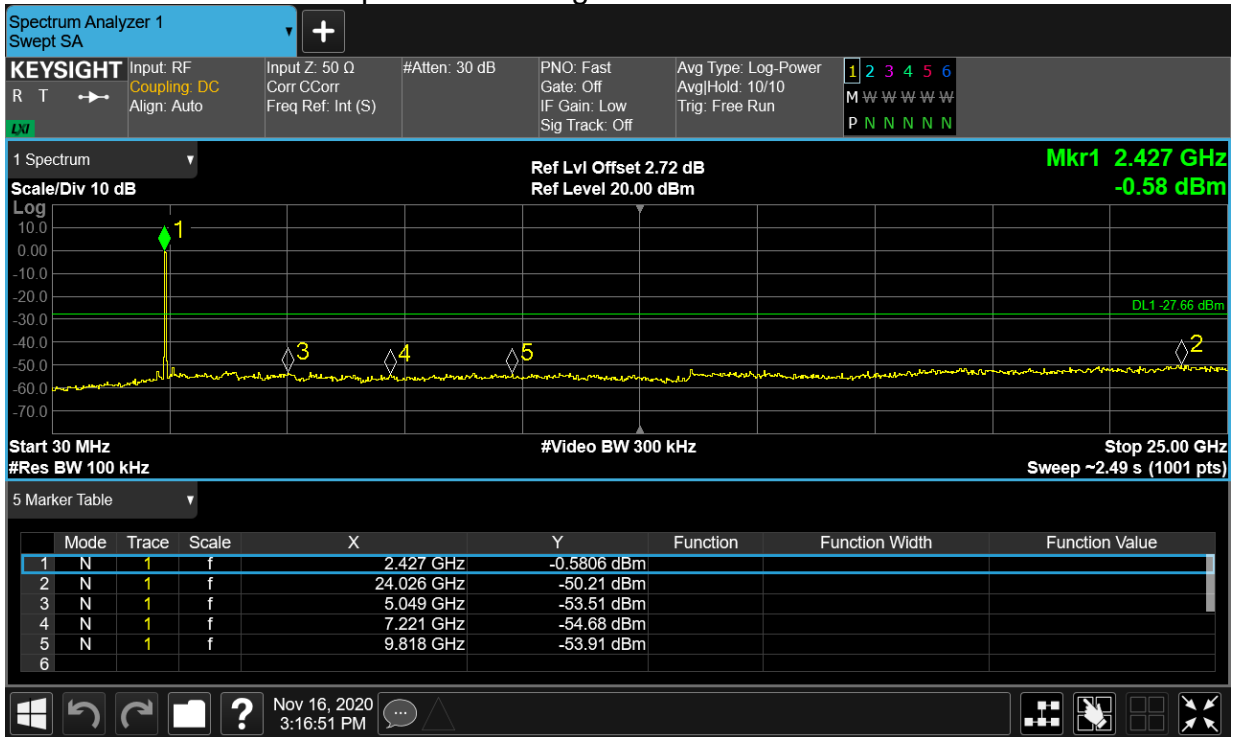
### Tx. Spurious NVNT g 2412MHz Ant1 Emission



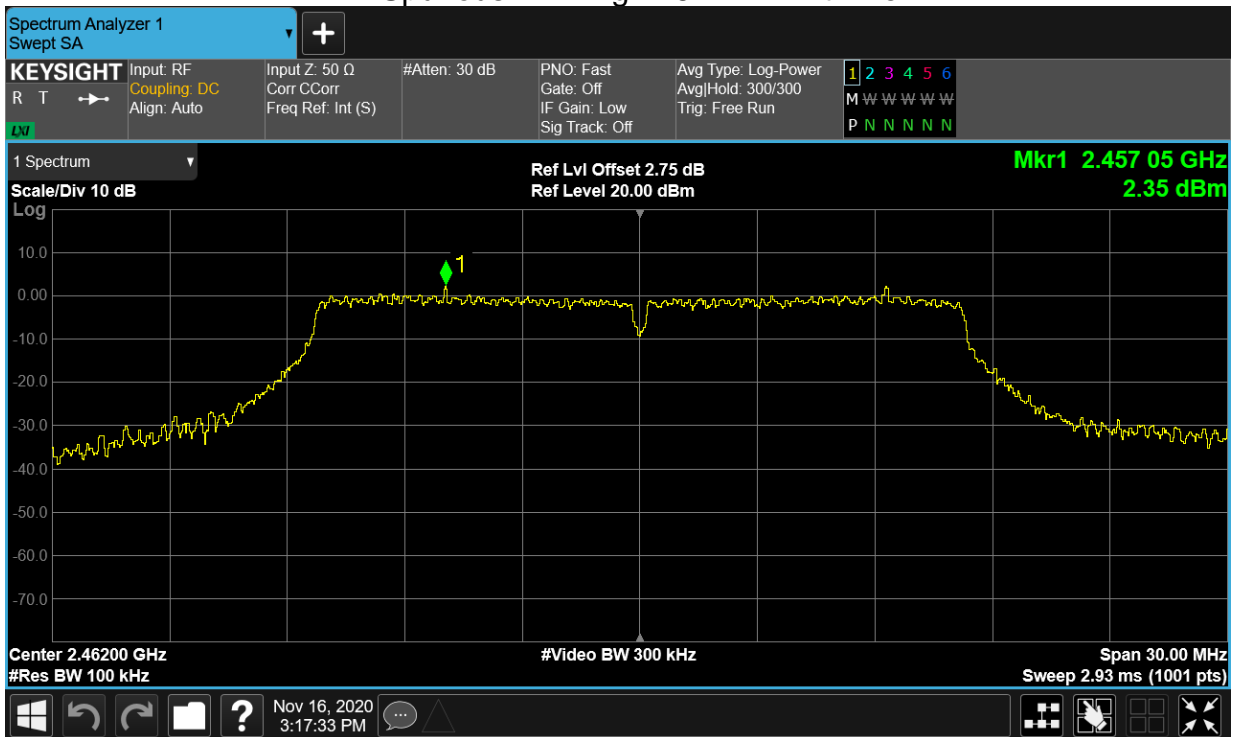
### Tx. Spurious NVNT g 2437MHz Ant1 Ref



### Tx. Spurious NVNT g 2437MHz Ant1 Emission

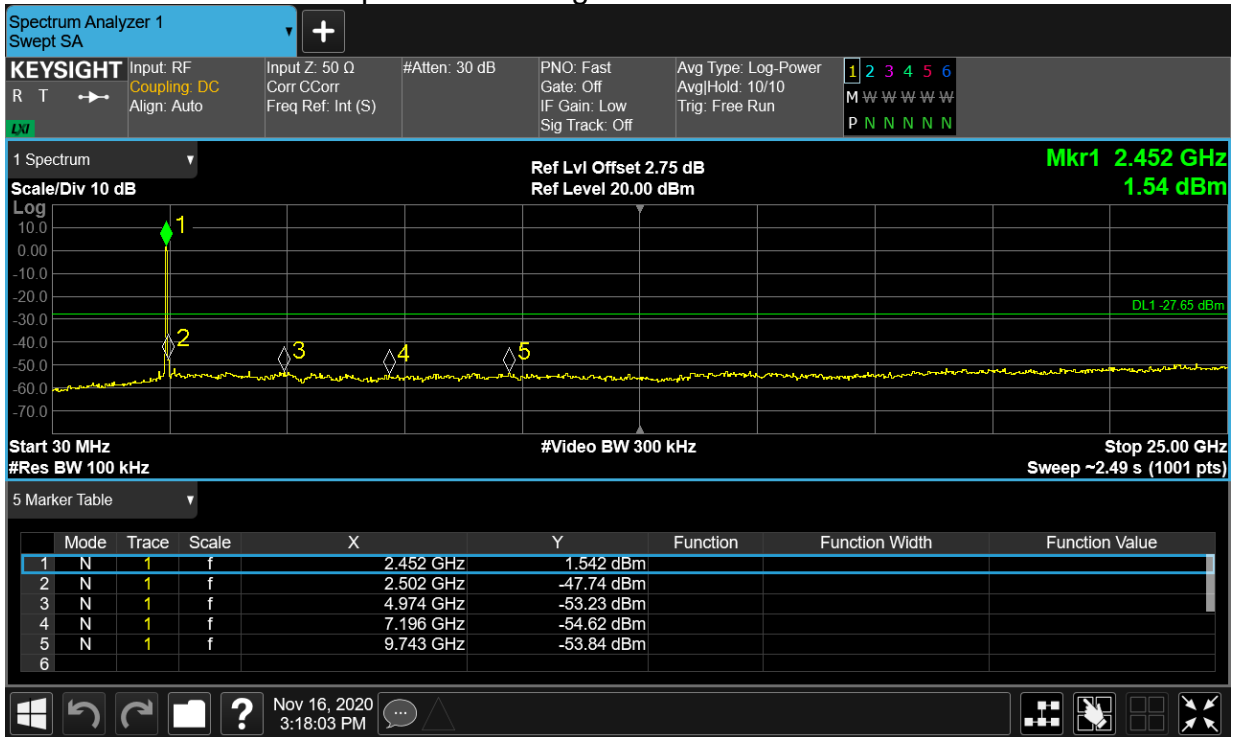


### Tx. Spurious NVNT g 2462MHz Ant1 Ref

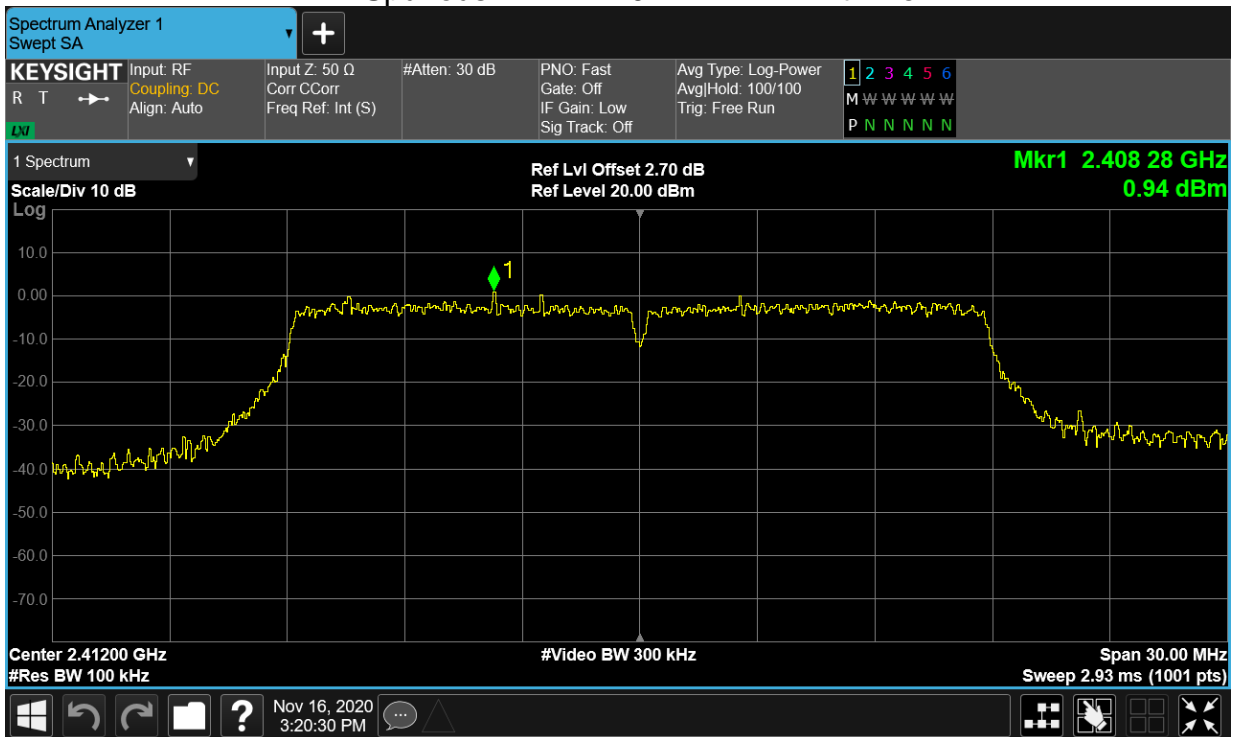




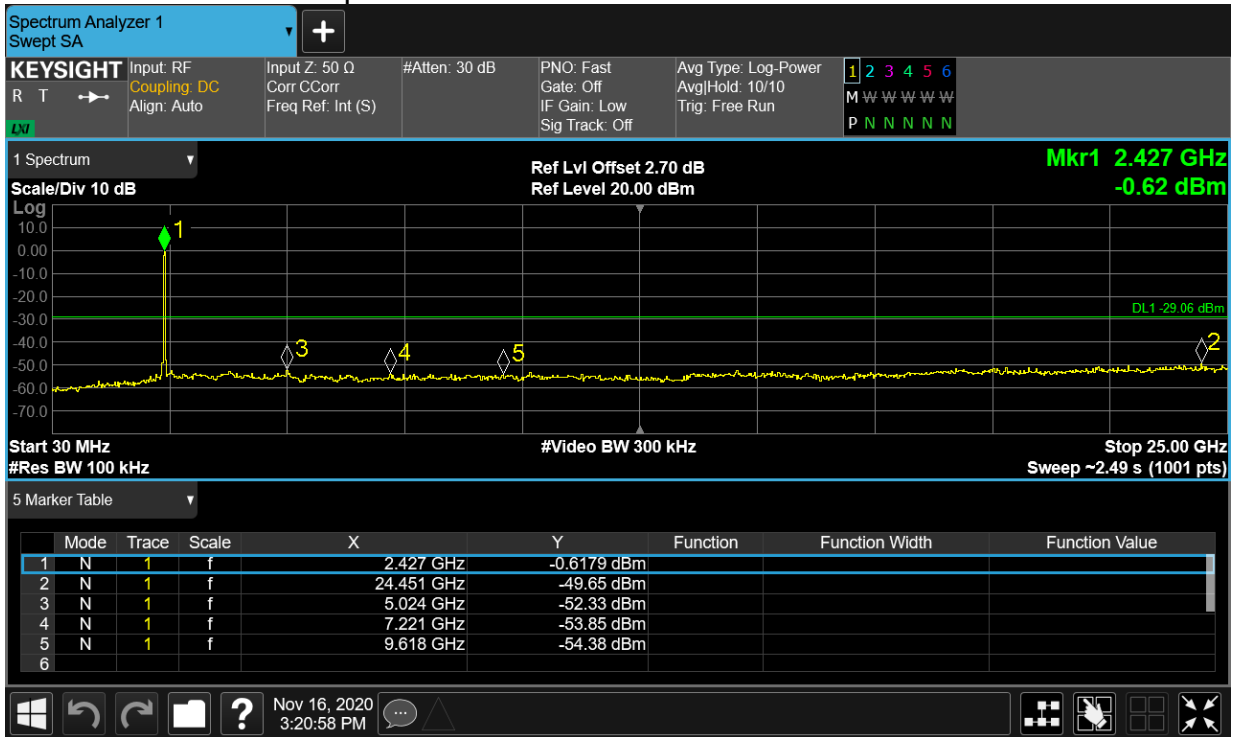
### Tx. Spurious NVNT g 2462MHz Ant1 Emission



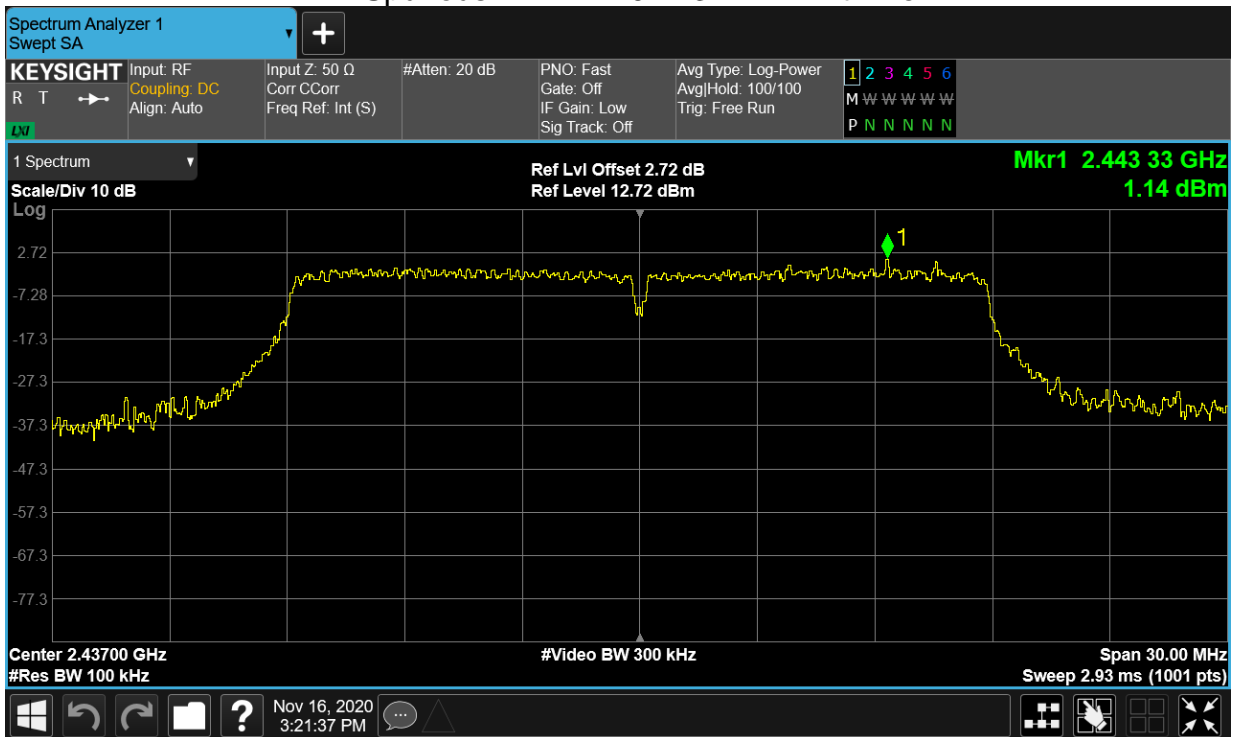
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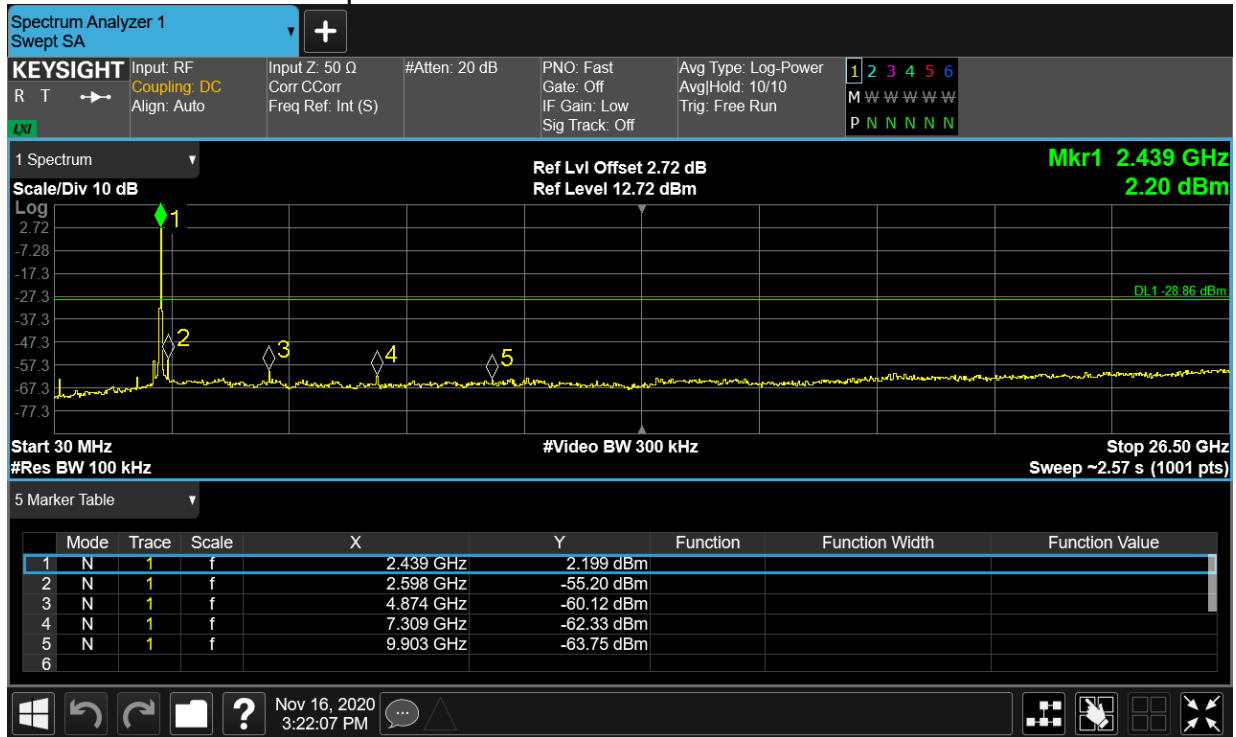
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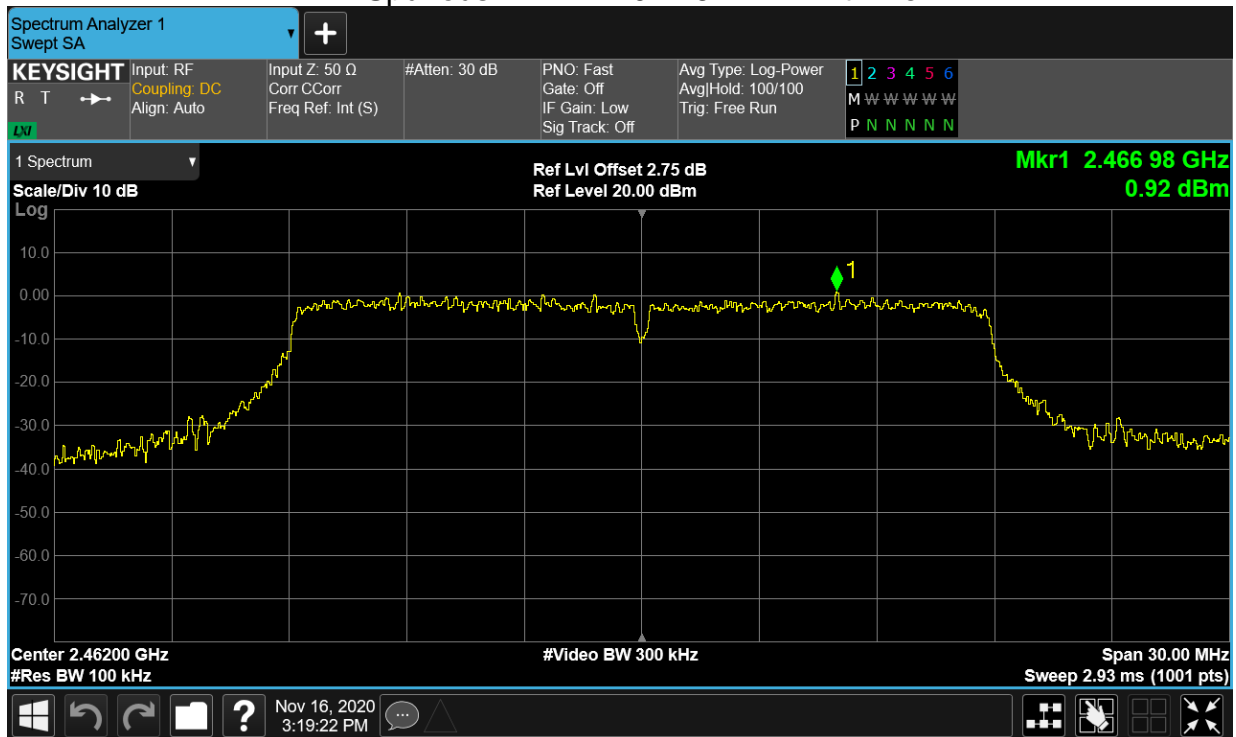
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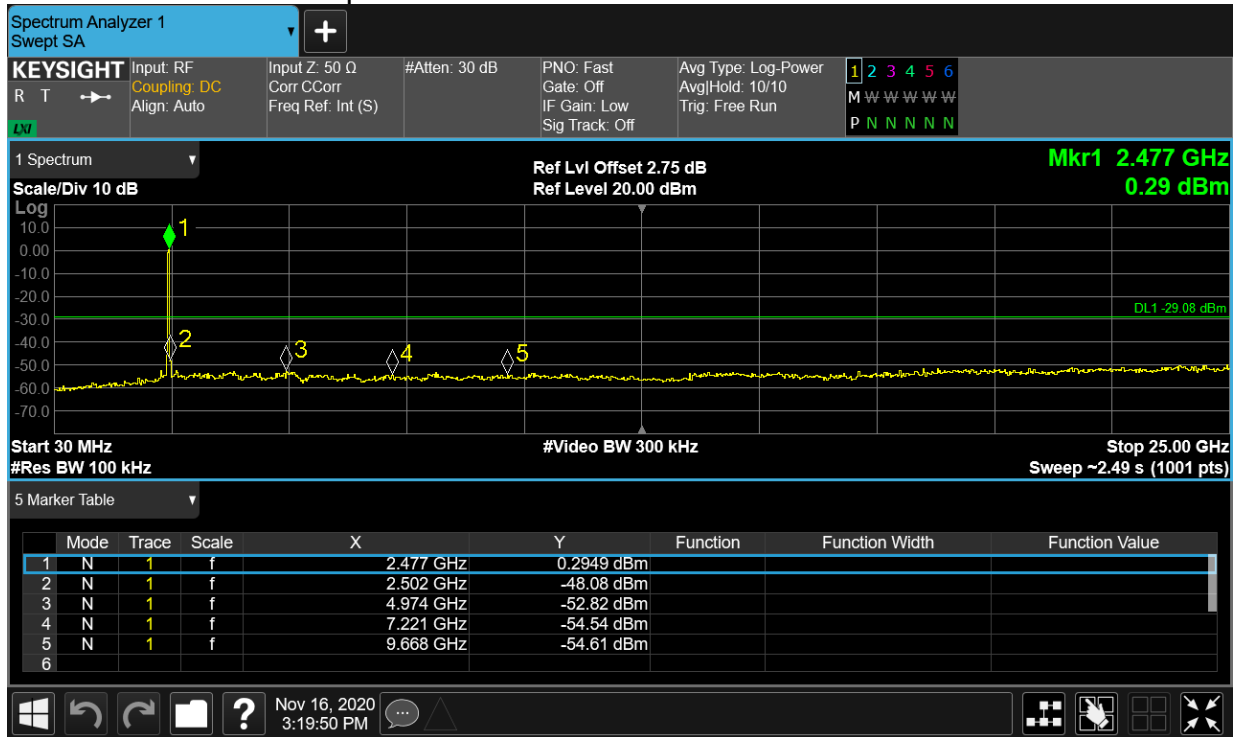
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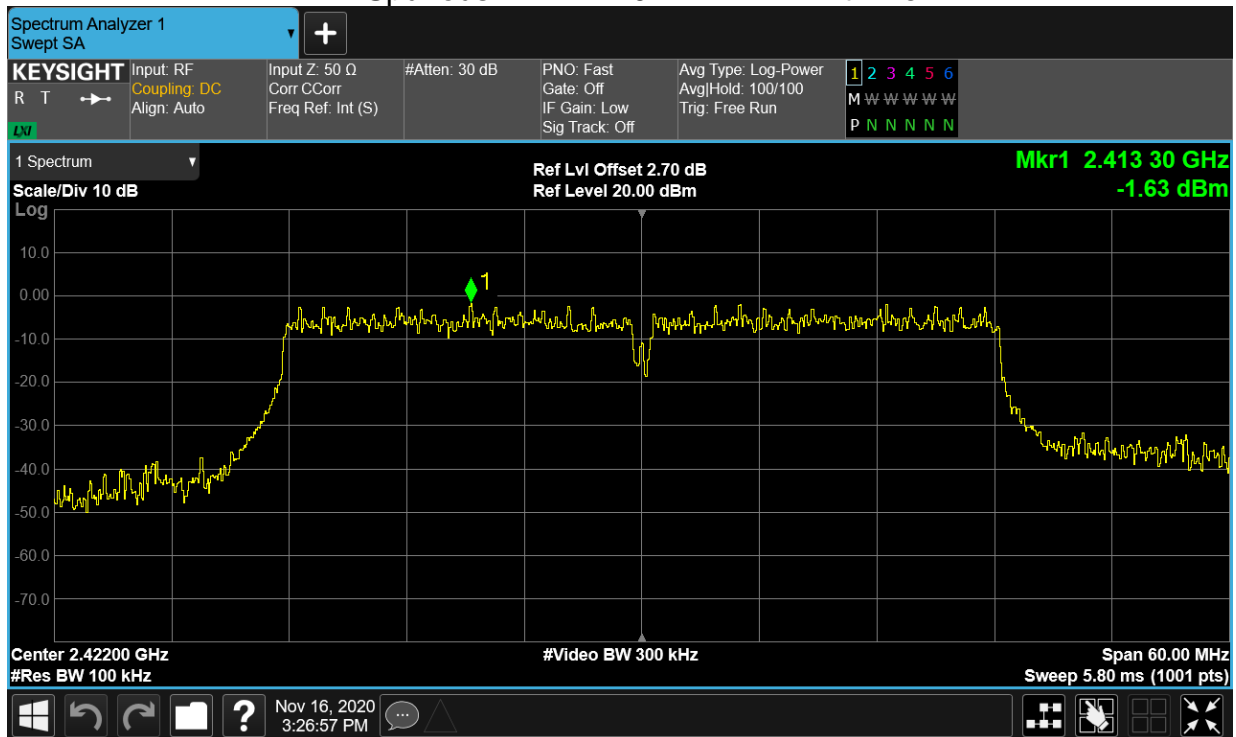
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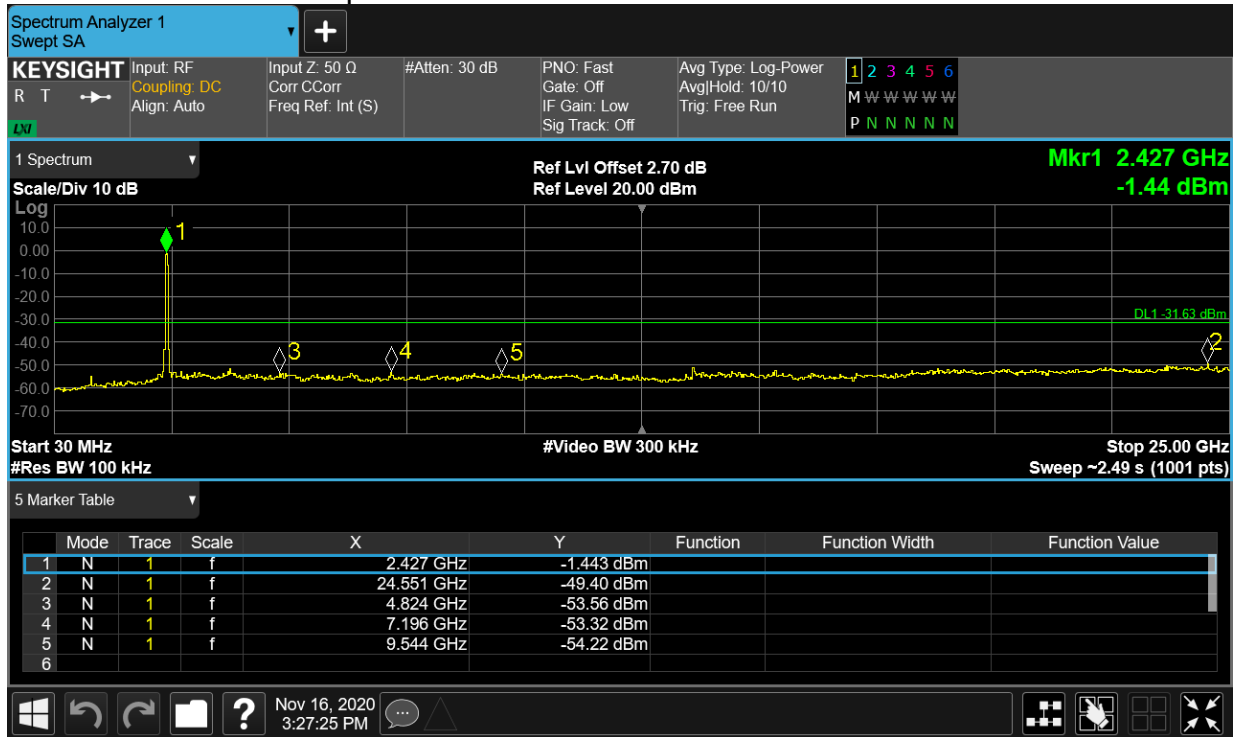
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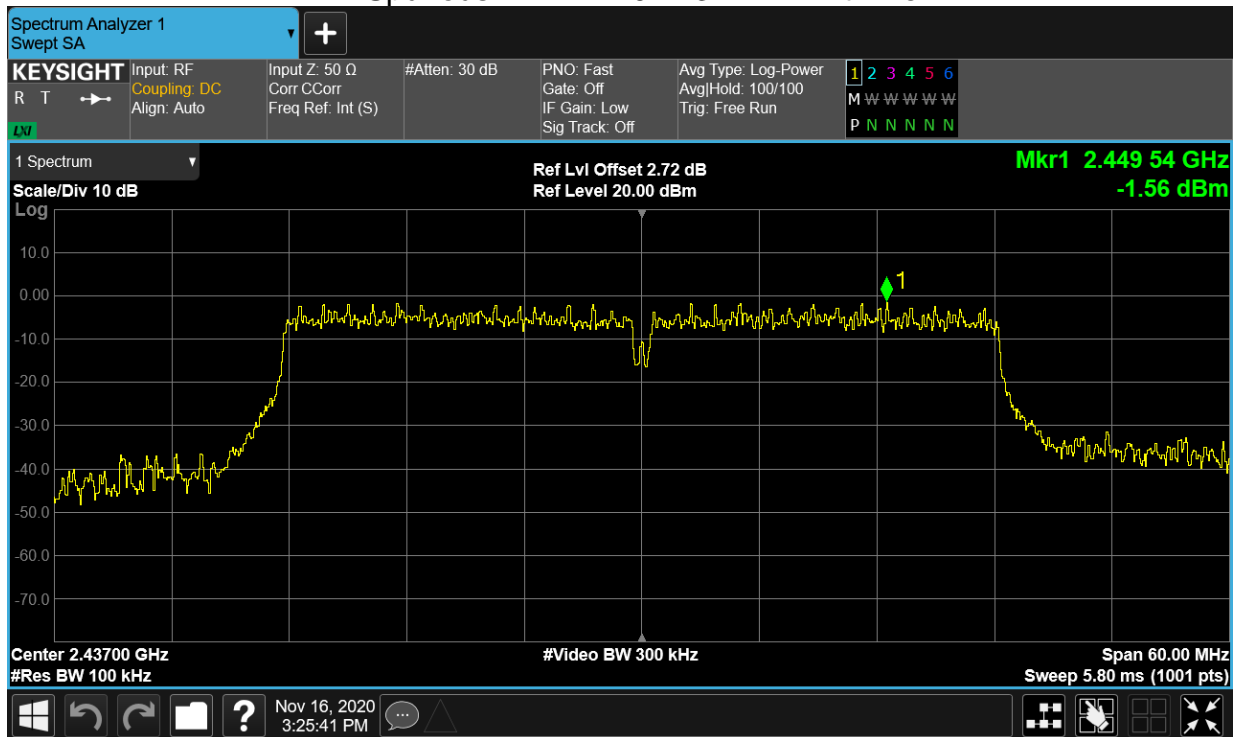
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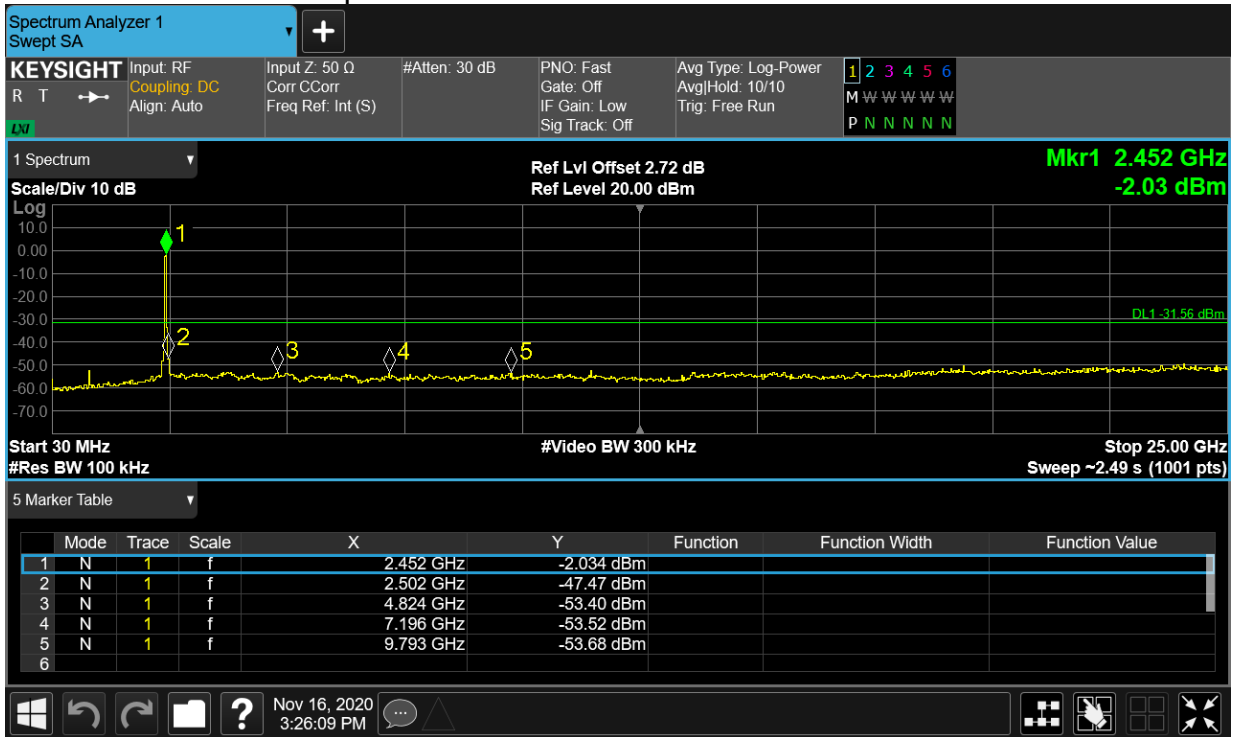
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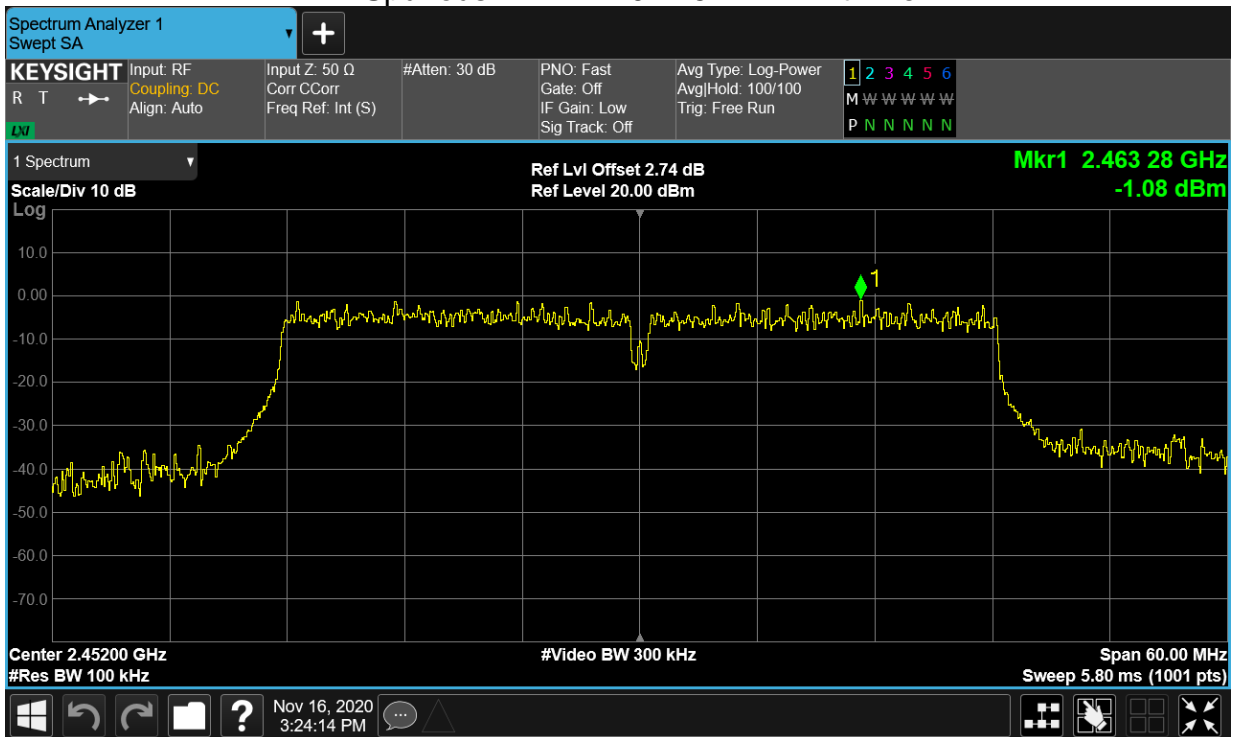
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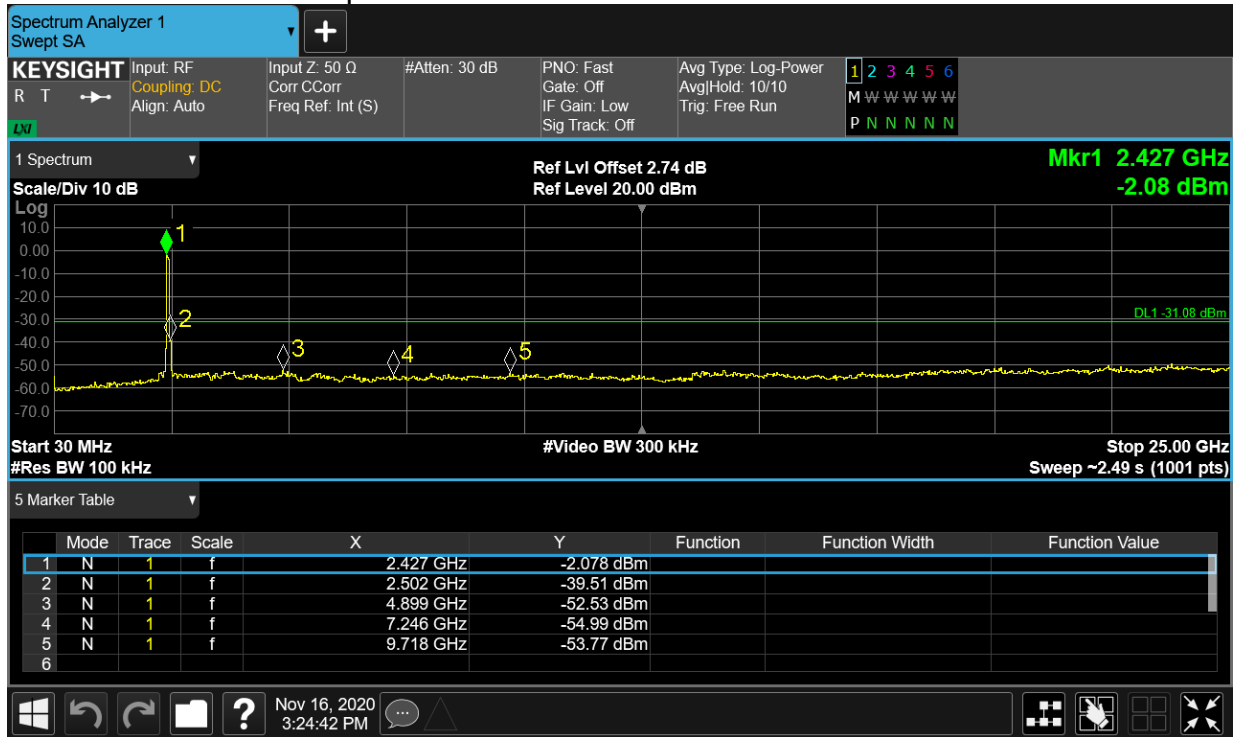
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



-----End of report-----