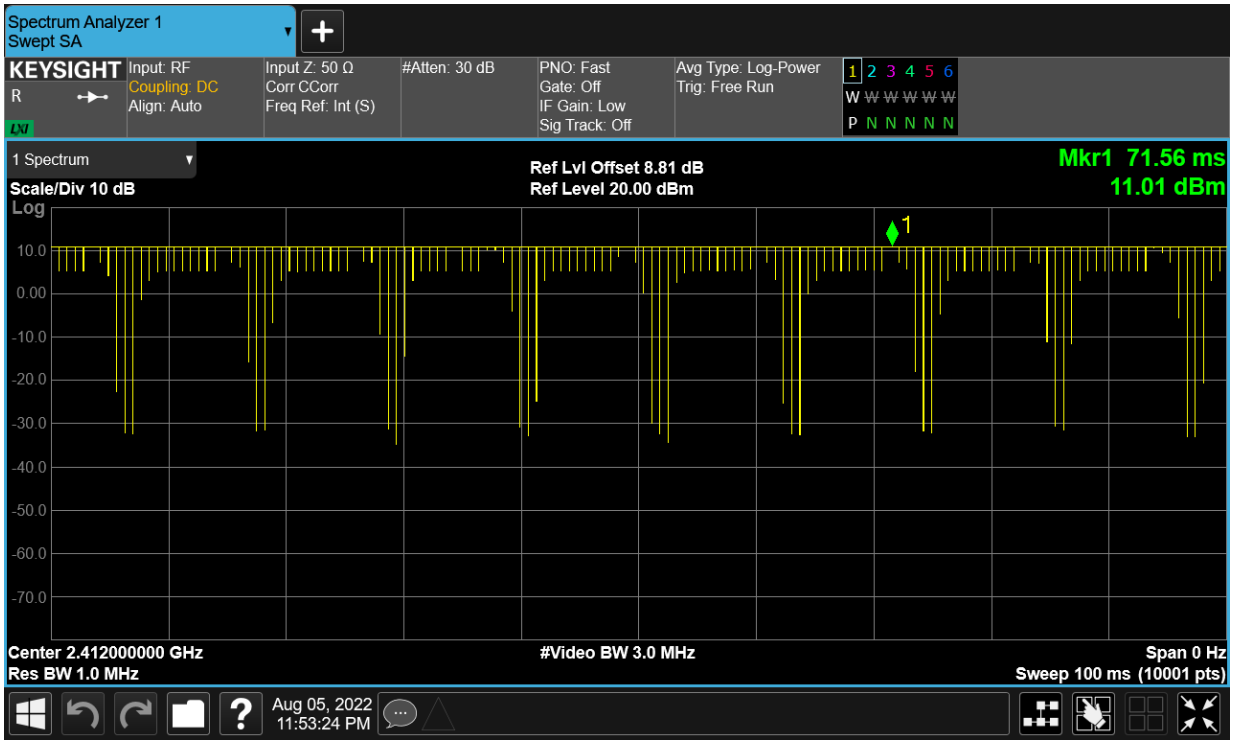
Test Data

Duty Cycle

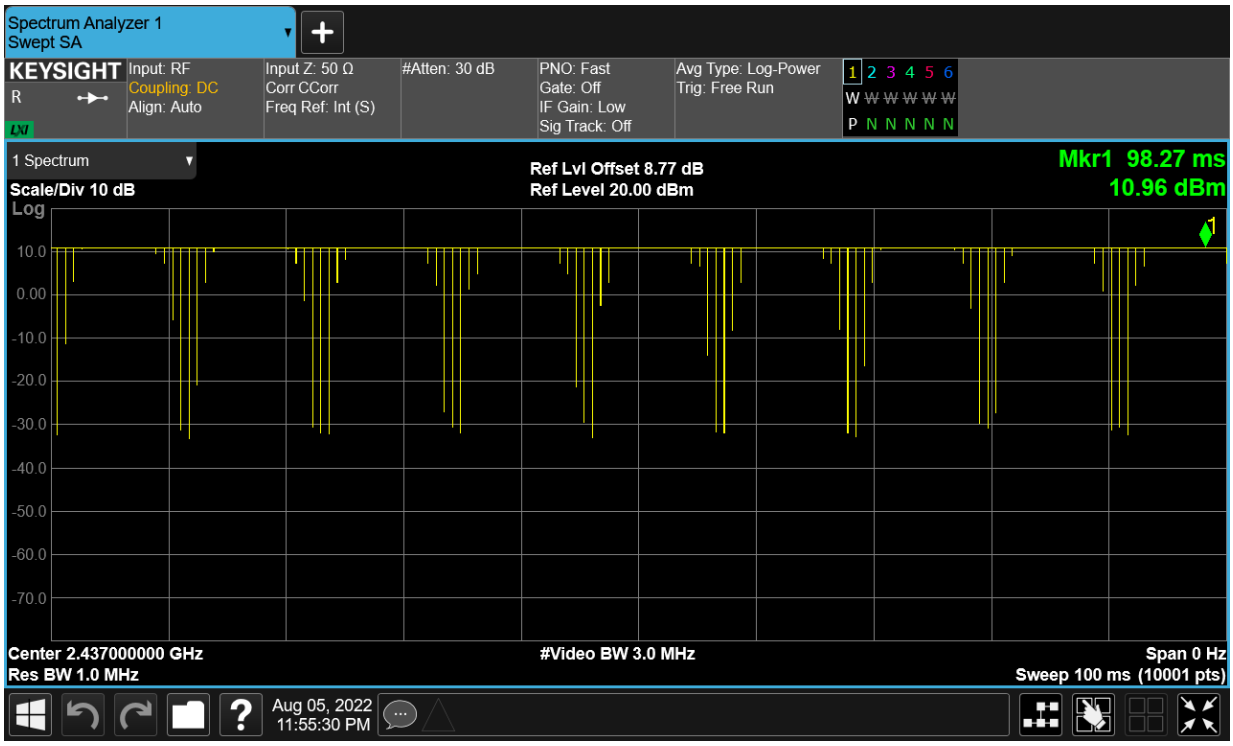
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	100	0
NVNT	b	2437	Ant1	100	0
NVNT	b	2462	Ant1	100	0
NVNT	b	2412	Ant2	100	0
NVNT	b	2437	Ant2	100	0
NVNT	b	2462	Ant2	100	0
NVNT	g	2412	Ant1	99.79	0.01
NVNT	g	2437	Ant1	99.78	0.01
NVNT	g	2462	Ant1	99.77	0.01
NVNT	g	2412	Ant2	99.79	0.01
NVNT	g	2437	Ant2	99.78	0.01
NVNT	g	2462	Ant2	99.78	0.01
NVNT	n20	2412	Sum	99.92	0
NVNT	n20	2437	Sum	99.92	0
NVNT	n20	2462	Sum	99.92	0
NVNT	n40	2422	Sum	99.92	0
NVNT	n40	2437	Sum	99.91	0
NVNT	n40	2452	Sum	99.94	0
NVNT	ax20	2412	Sum	99.93	0
NVNT	ax20	2437	Sum	99.92	0
NVNT	ax20	2462	Sum	99.94	0
NVNT	ax40	2422	Sum	100	0
NVNT	ax40	2437	Sum	99.85	0.01
NVNT	ax40	2452	Sum	99.87	0.01

Test Graphs

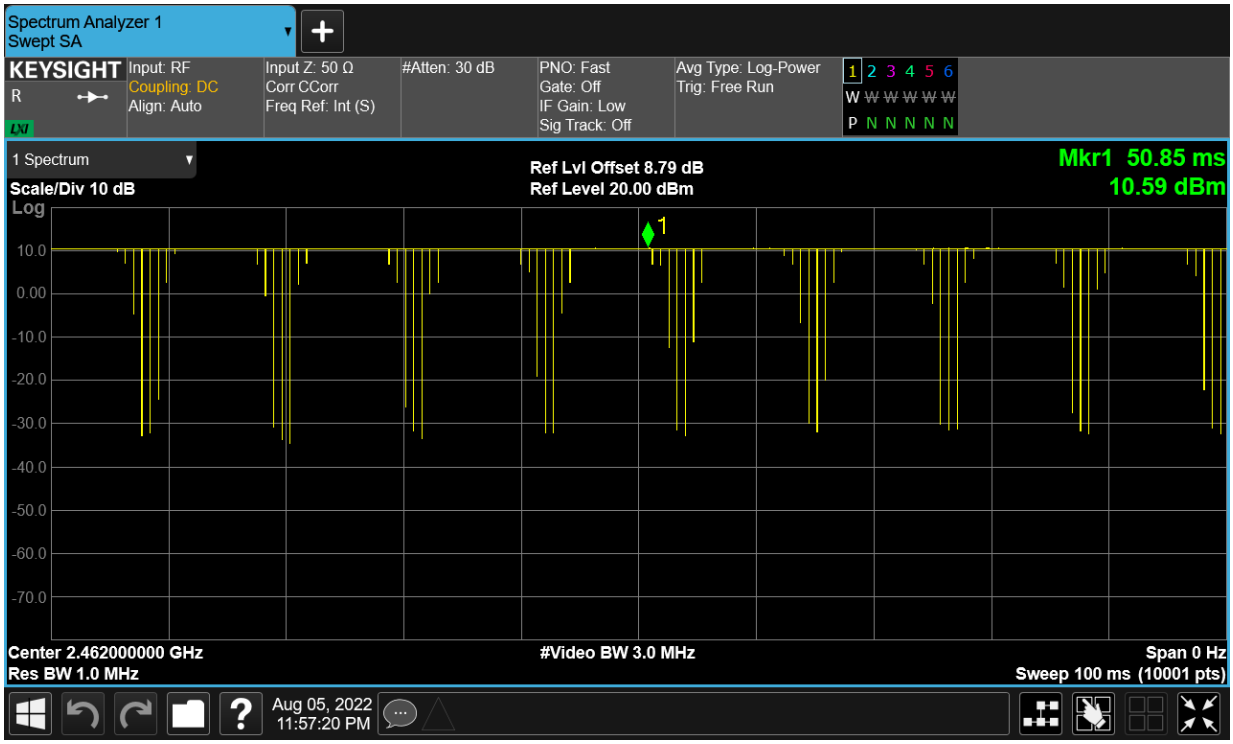
Duty Cycle NVNT b 2412MHz Ant1



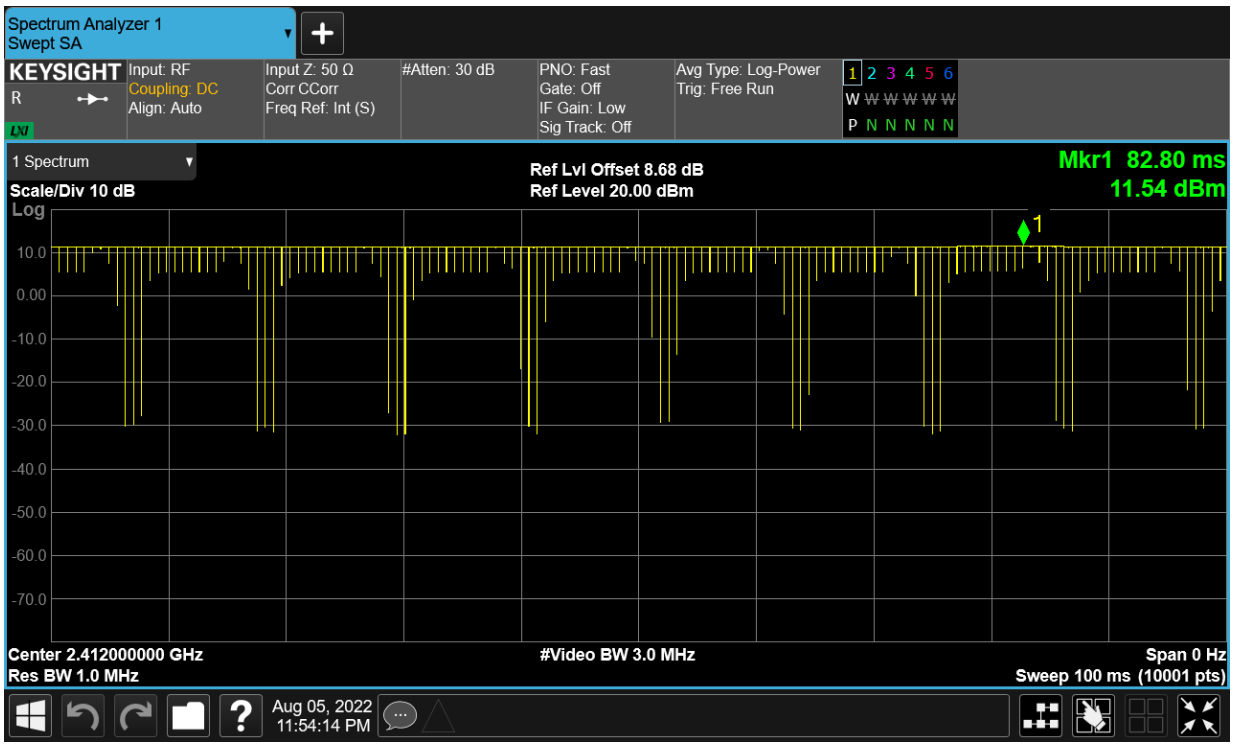
Duty Cycle NVNT b 2437MHz Ant1



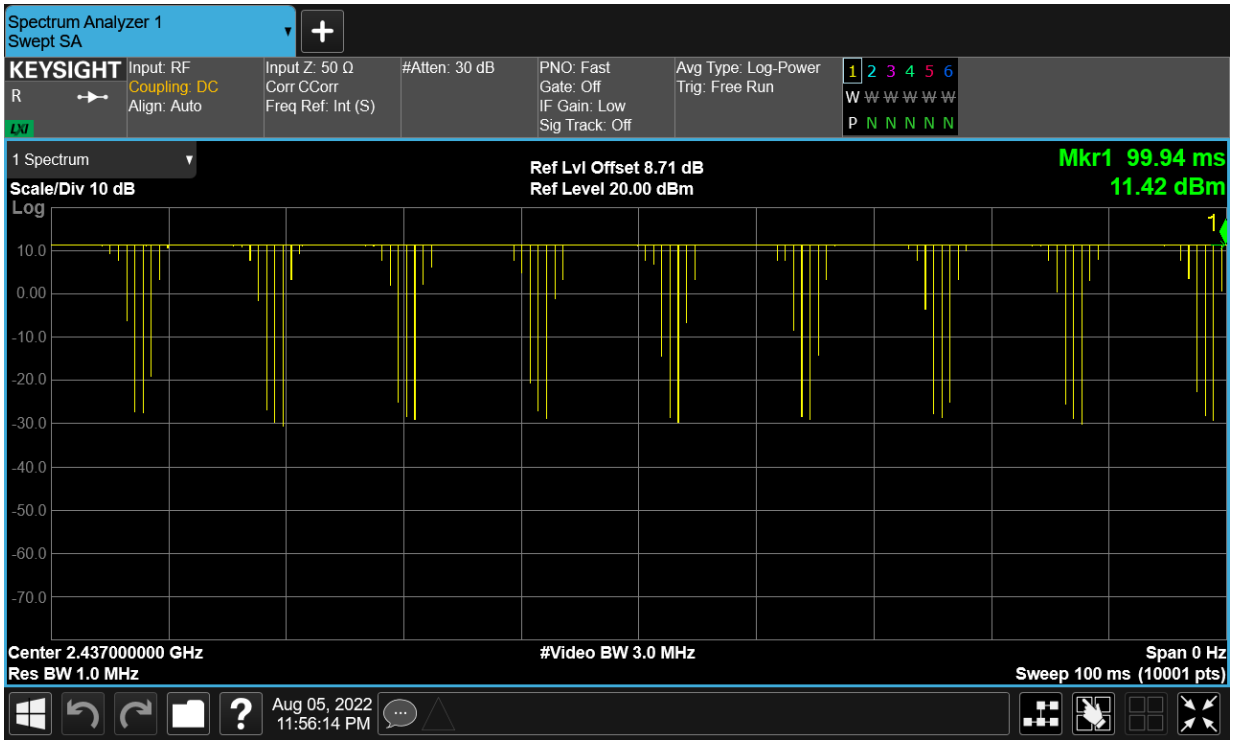
Duty Cycle NVNT b 2462MHz Ant1



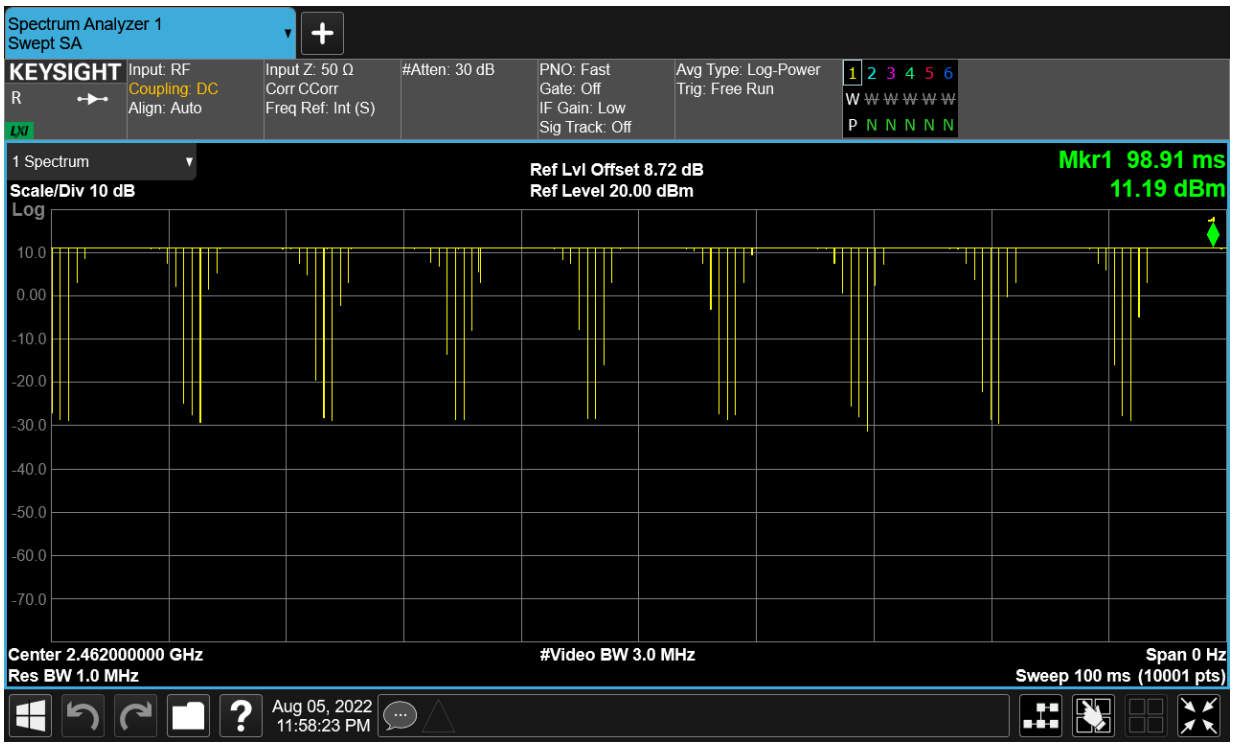
Duty Cycle NVNT b 2412MHz Ant2



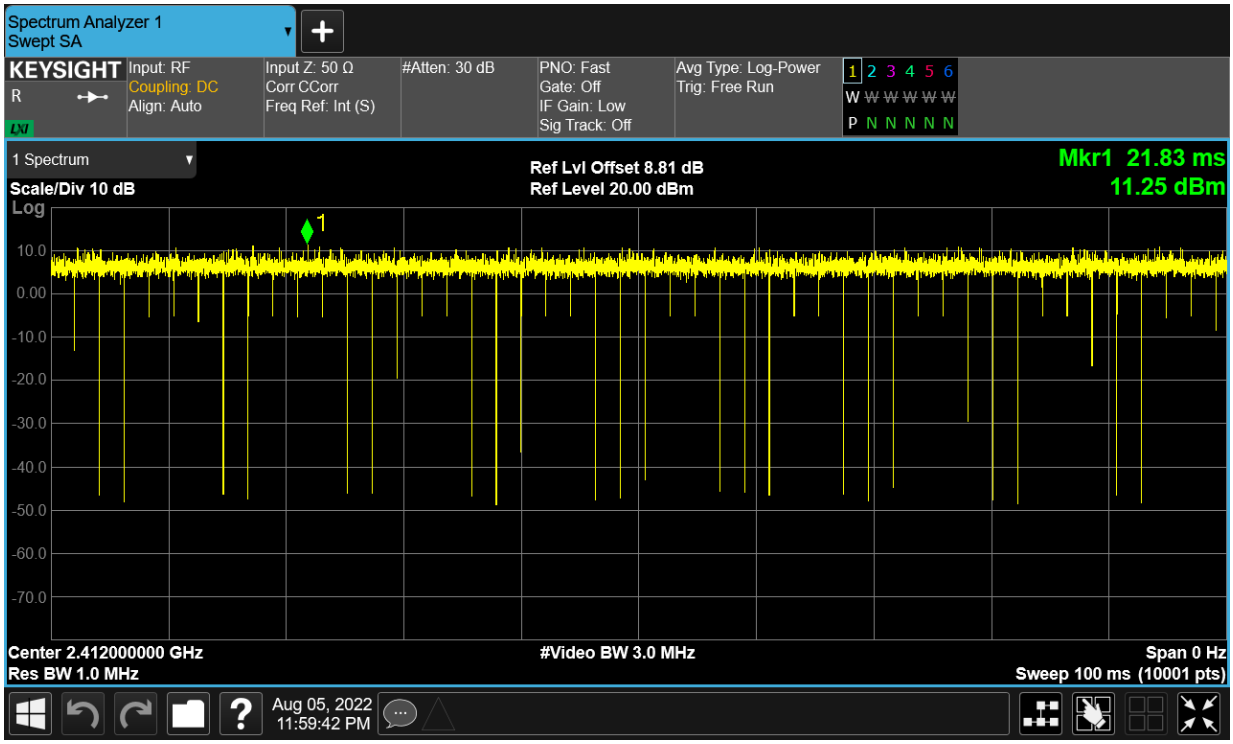
Duty Cycle NVNT b 2437MHz Ant2



Duty Cycle NVNT b 2462MHz Ant2

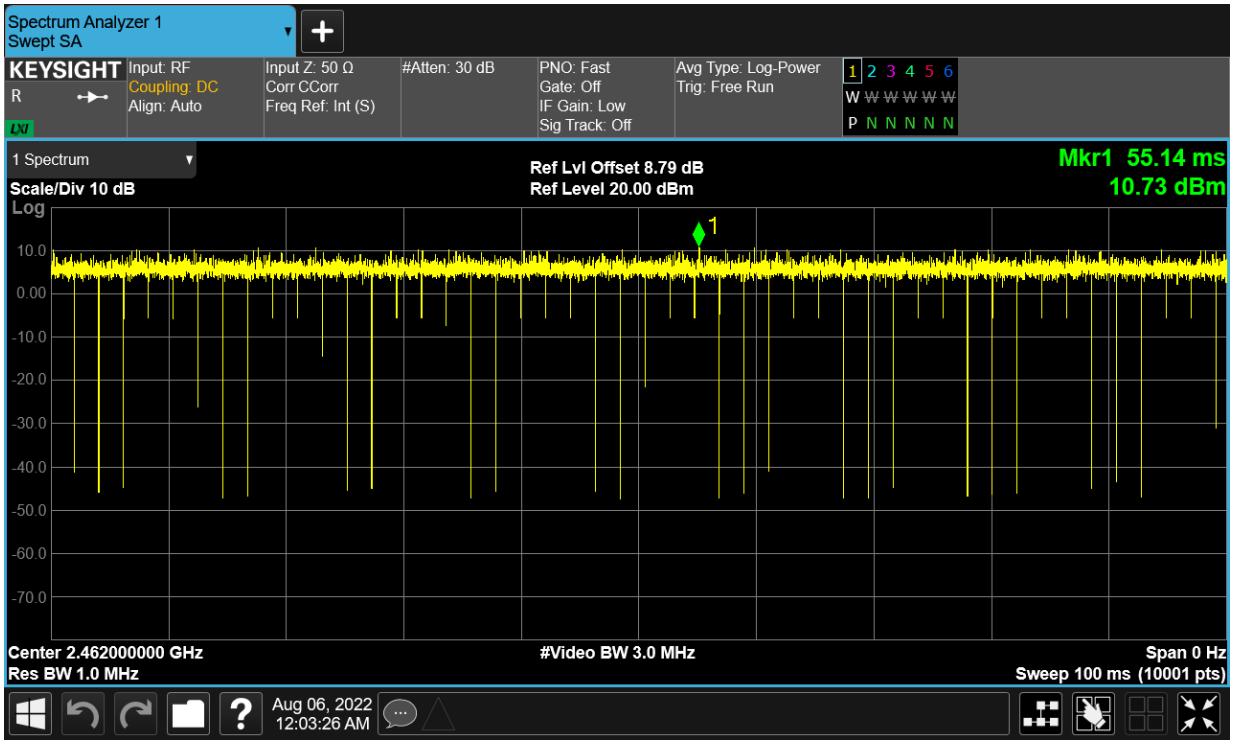


Duty Cycle NVNT g 2412MHz Ant1

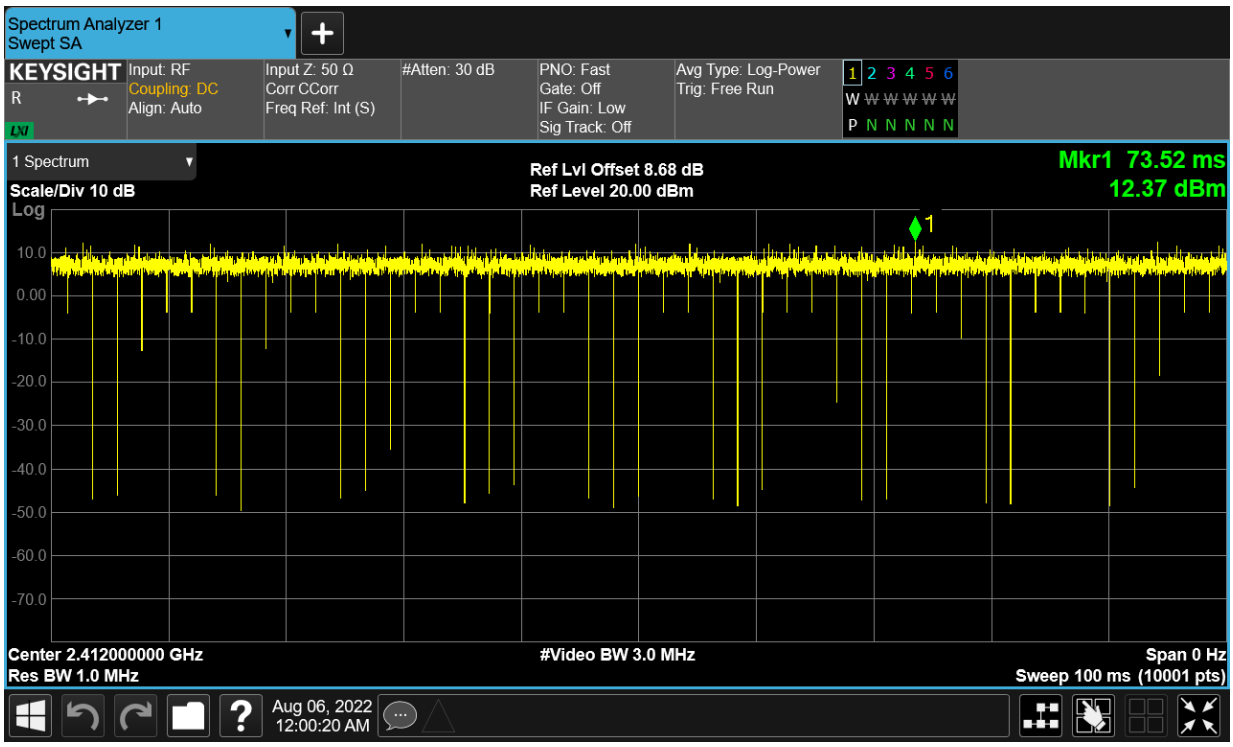


Duty Cycle NVNT g 2437MHz Ant1

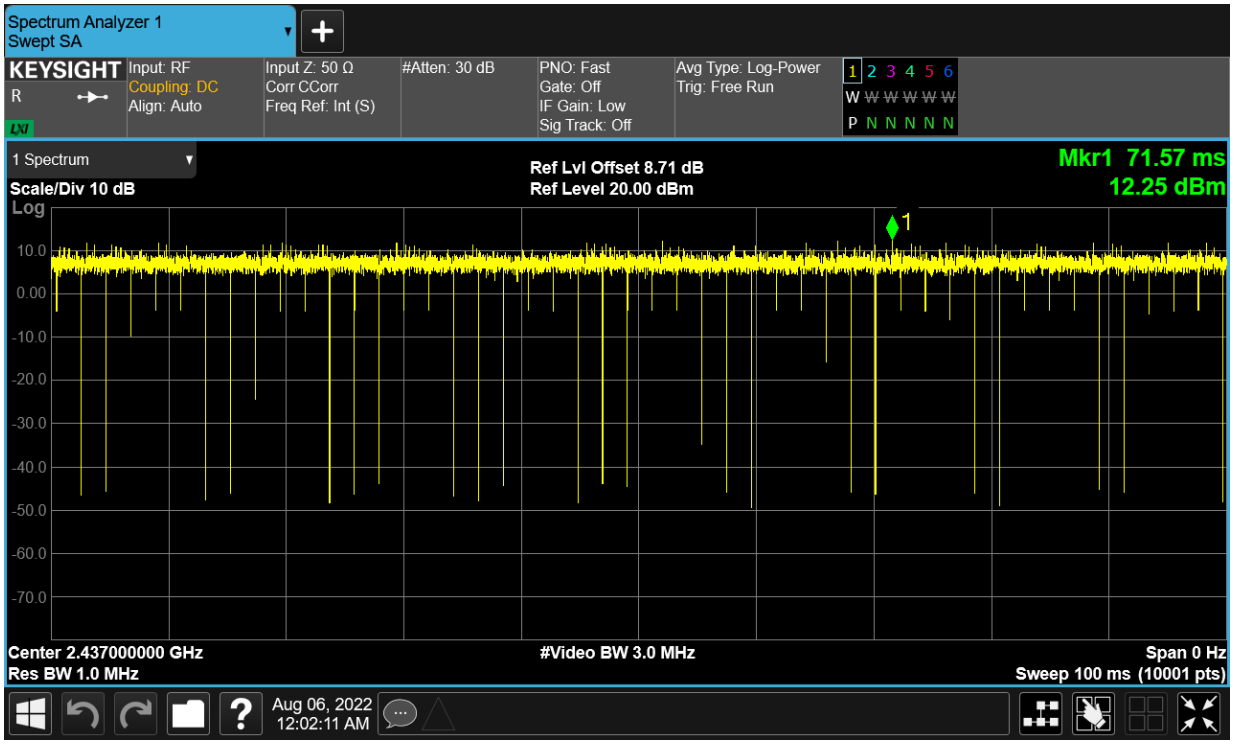
Duty Cycle NVNT g 2462MHz Ant1



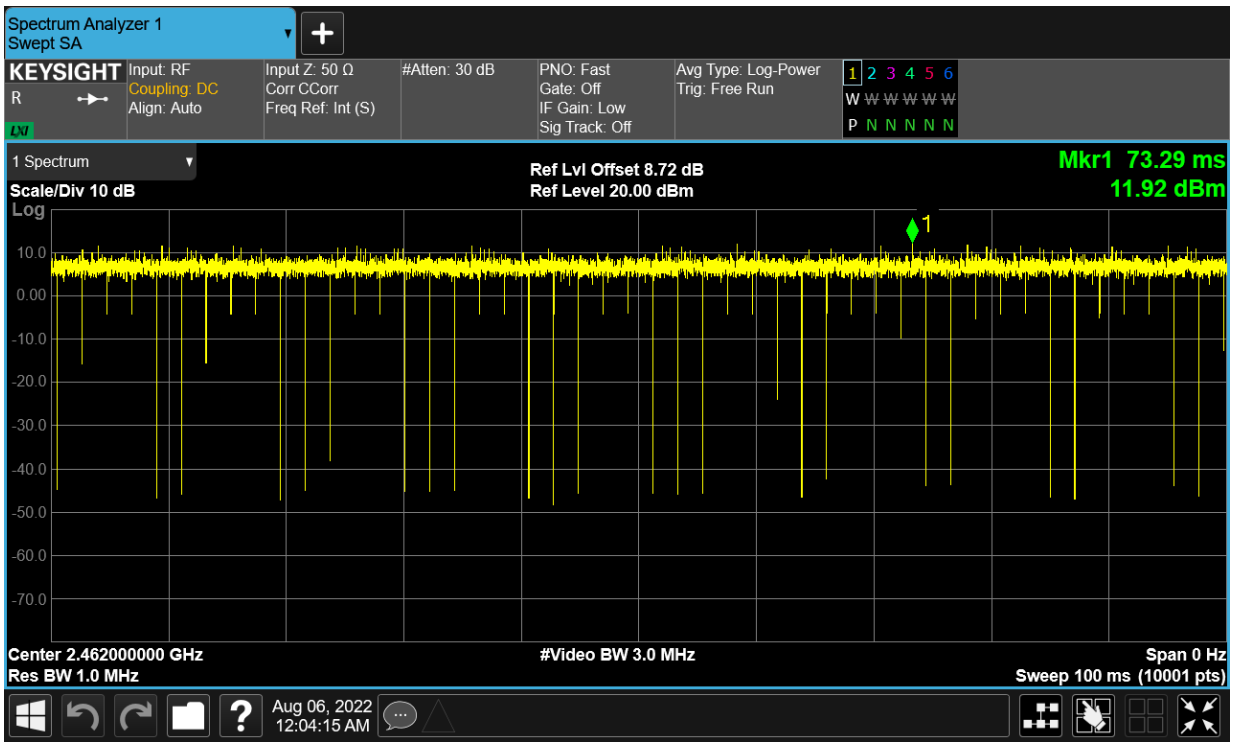
Duty Cycle NVNT g 2412MHz Ant2



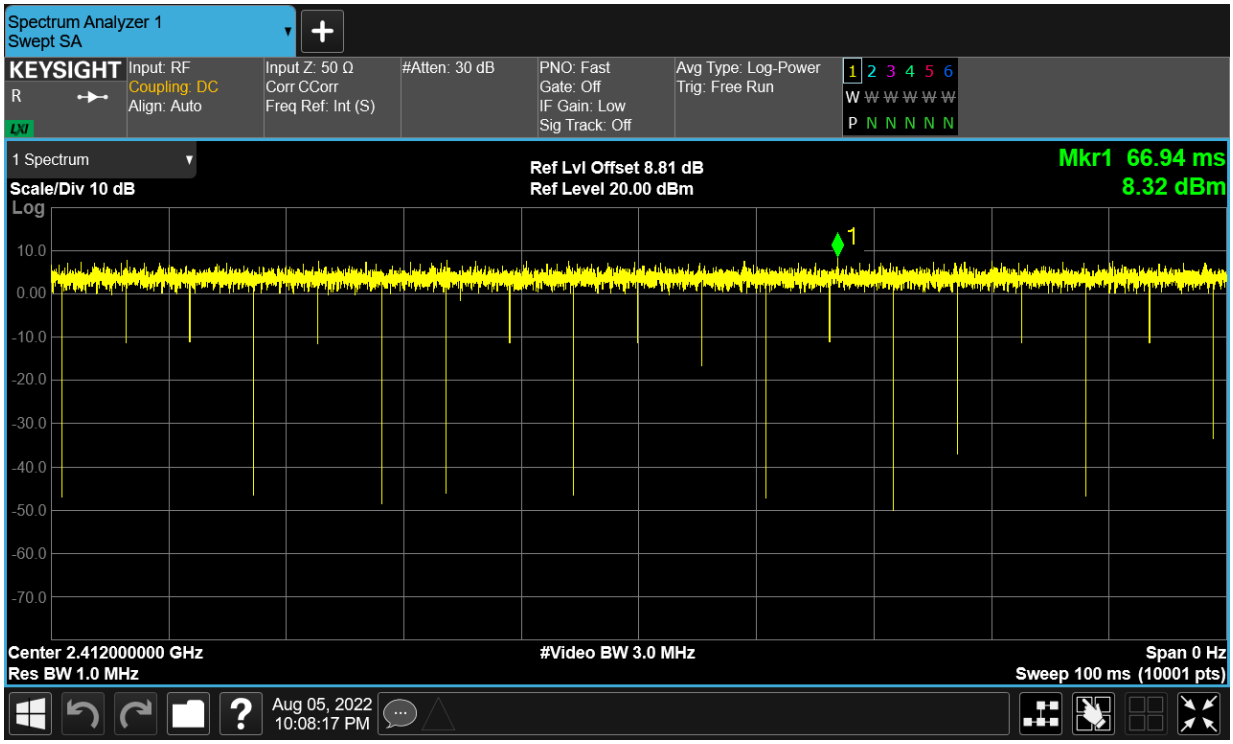
Duty Cycle NVNT g 2437MHz Ant2



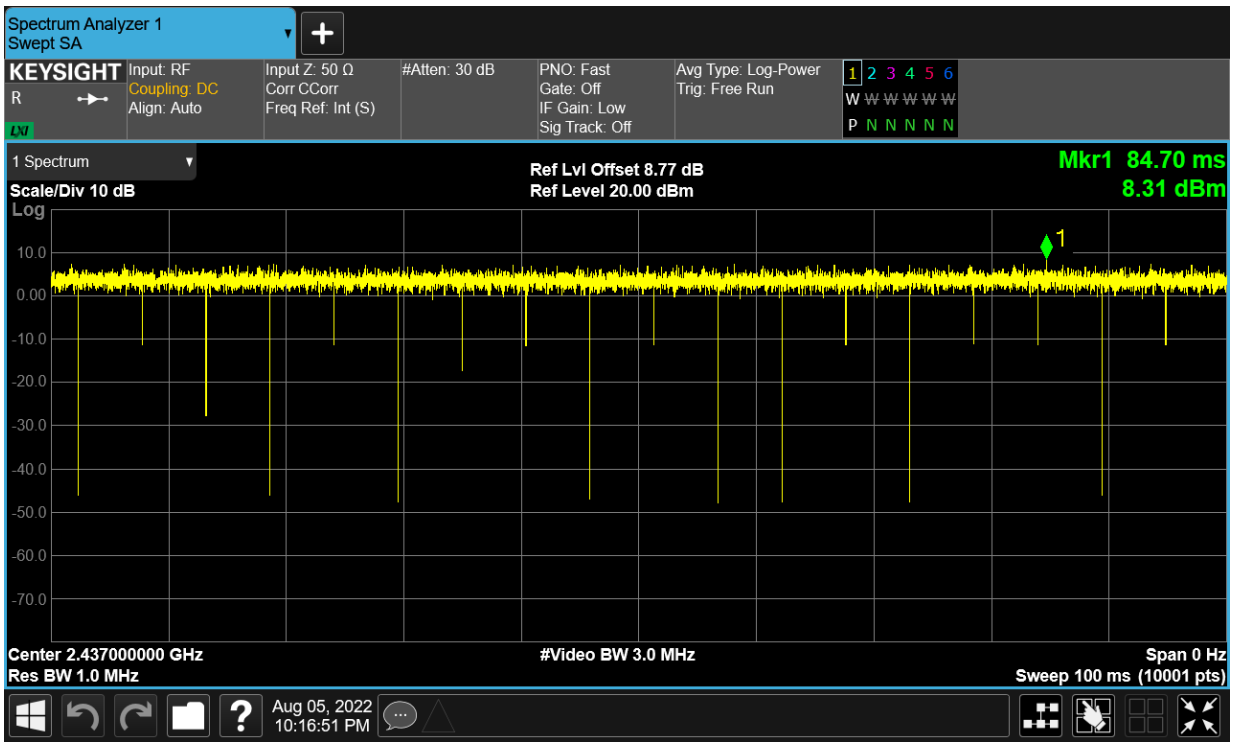
Duty Cycle NVNT g 2462MHz Ant2



Duty Cycle NVNT n20 2412MHz Sum

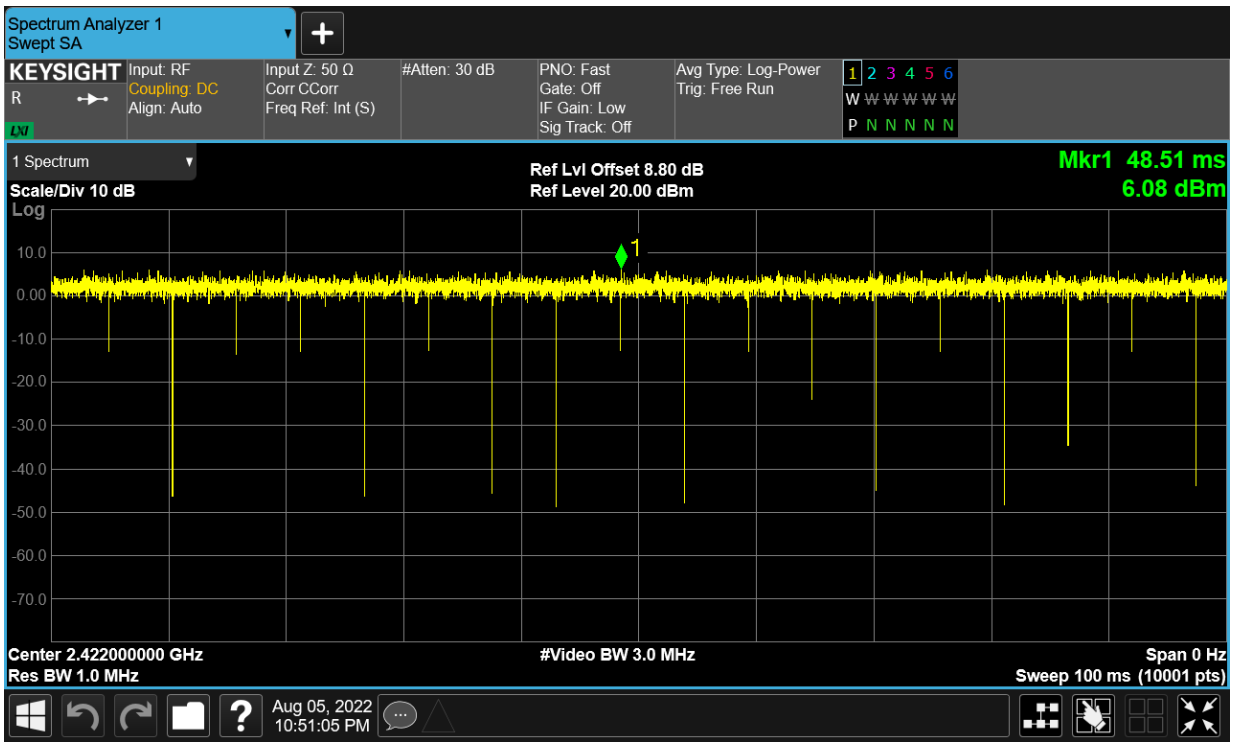


Duty Cycle NVNT n20 2437MHz Sum

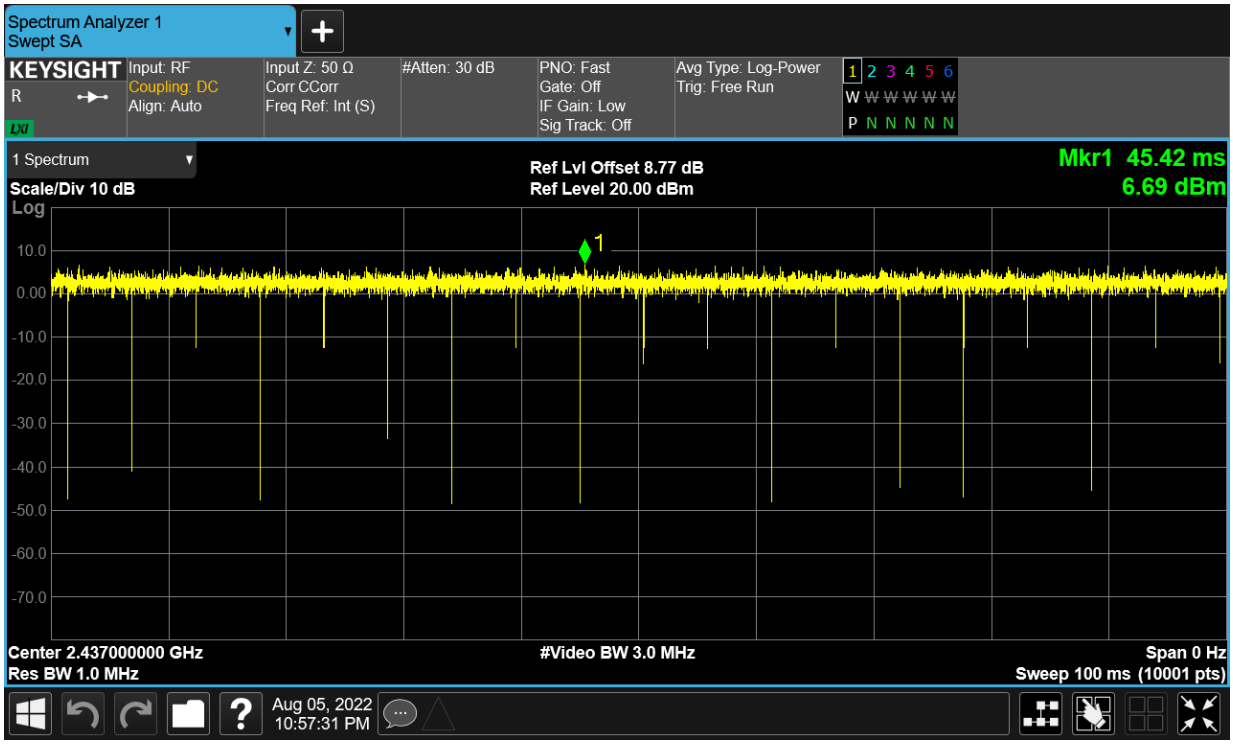


Duty Cycle NVNT n20 2462MHz Sum

Duty Cycle NVNT n40 2422MHz Sum

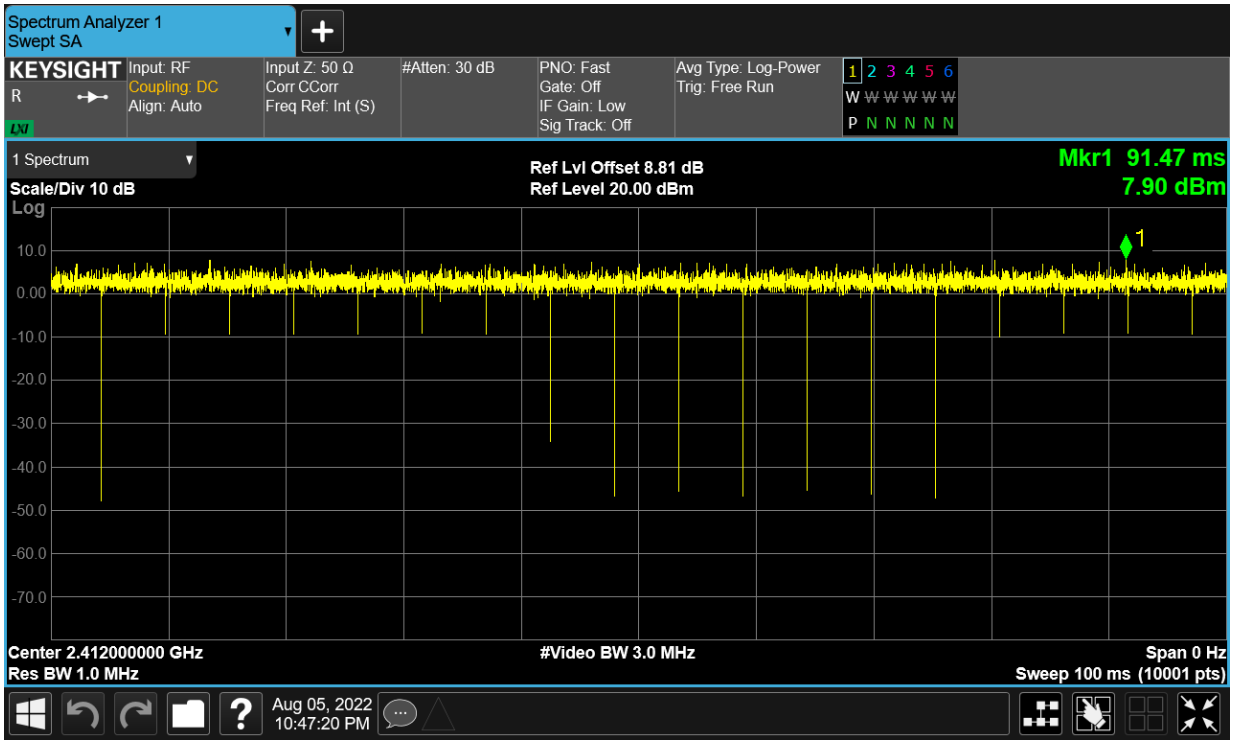


Duty Cycle NVNT n40 2437MHz Sum

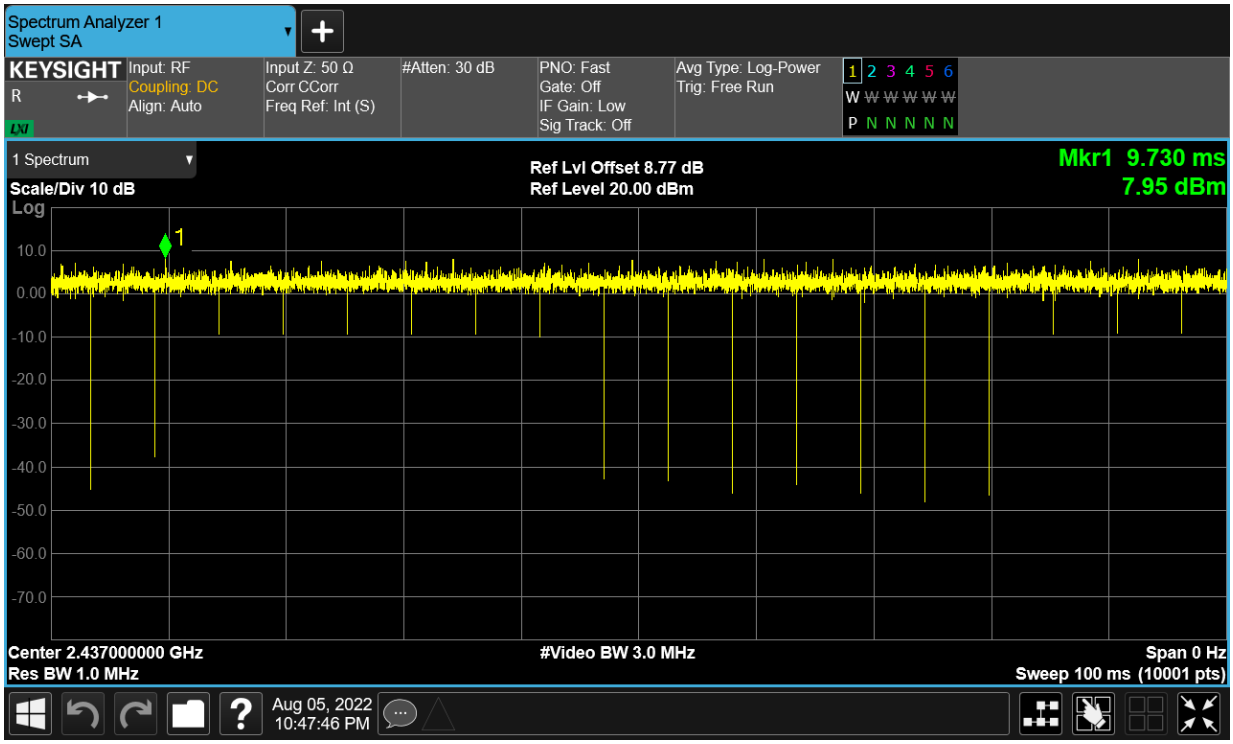


Duty Cycle NVNT n40 2452MHz Sum

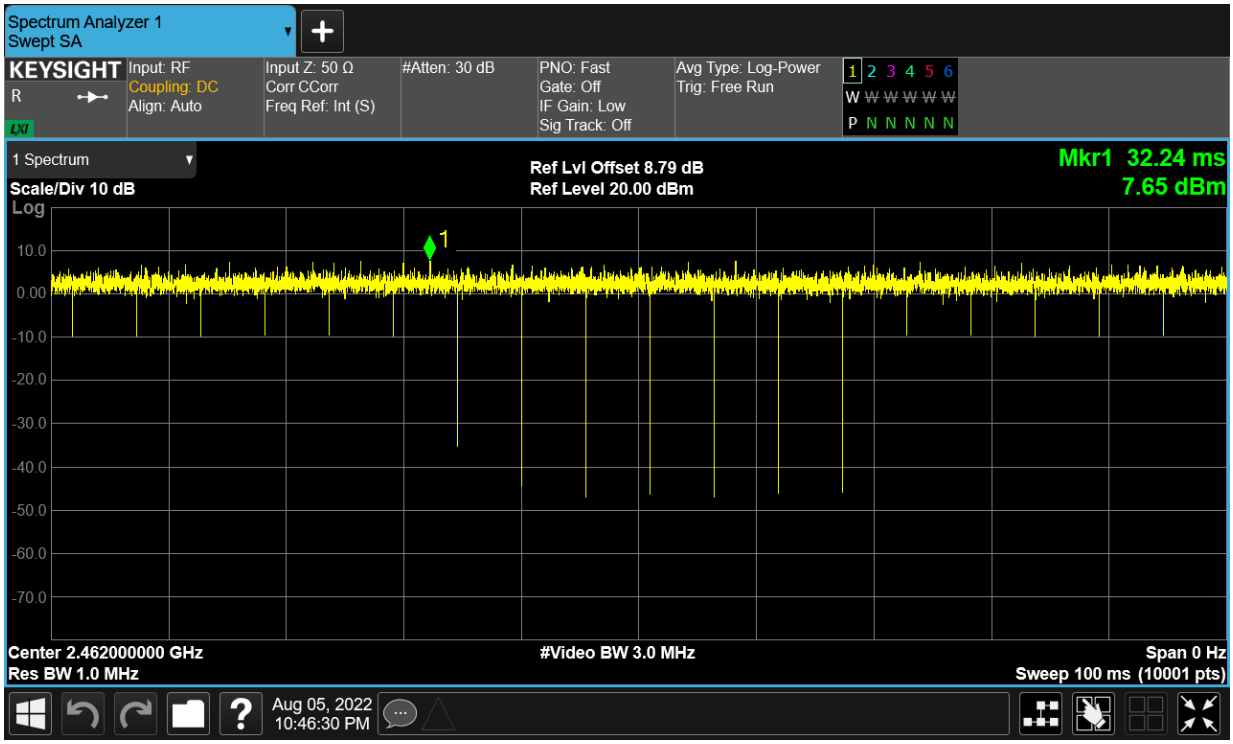
Duty Cycle NVNT ax20 2412MHz Sum



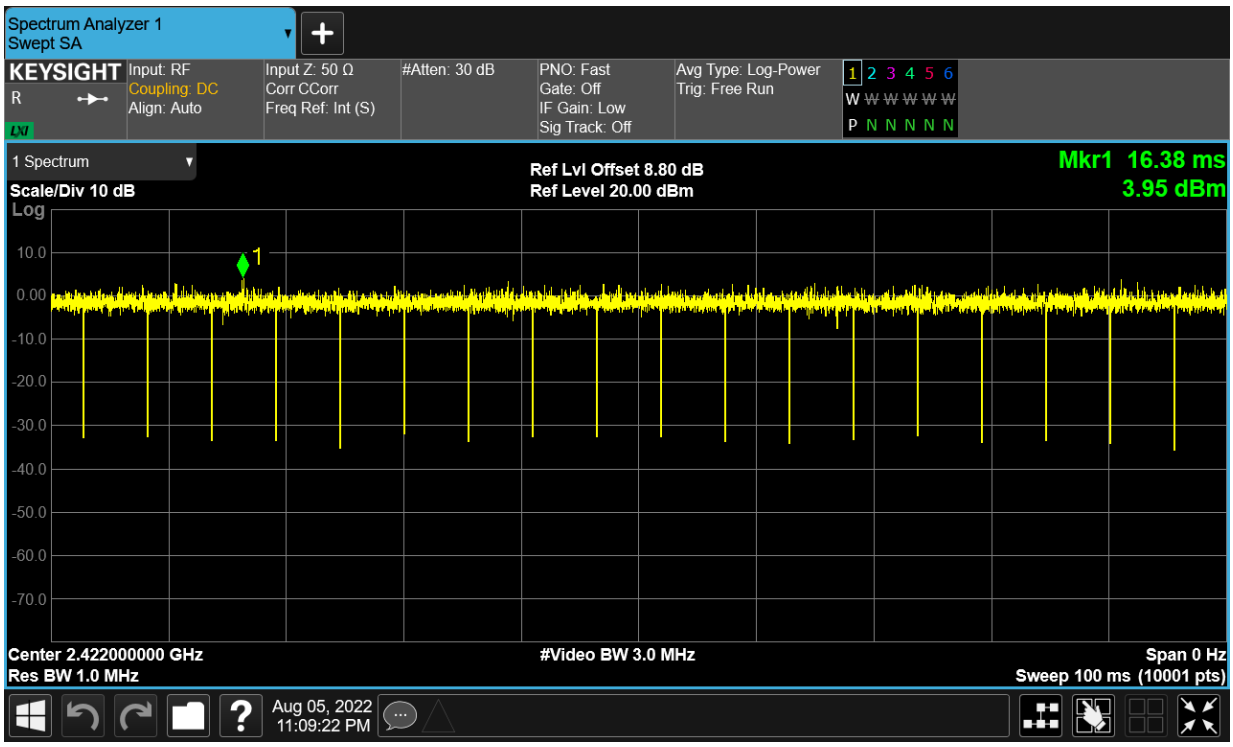
Duty Cycle NVNT ax20 2437MHz Sum



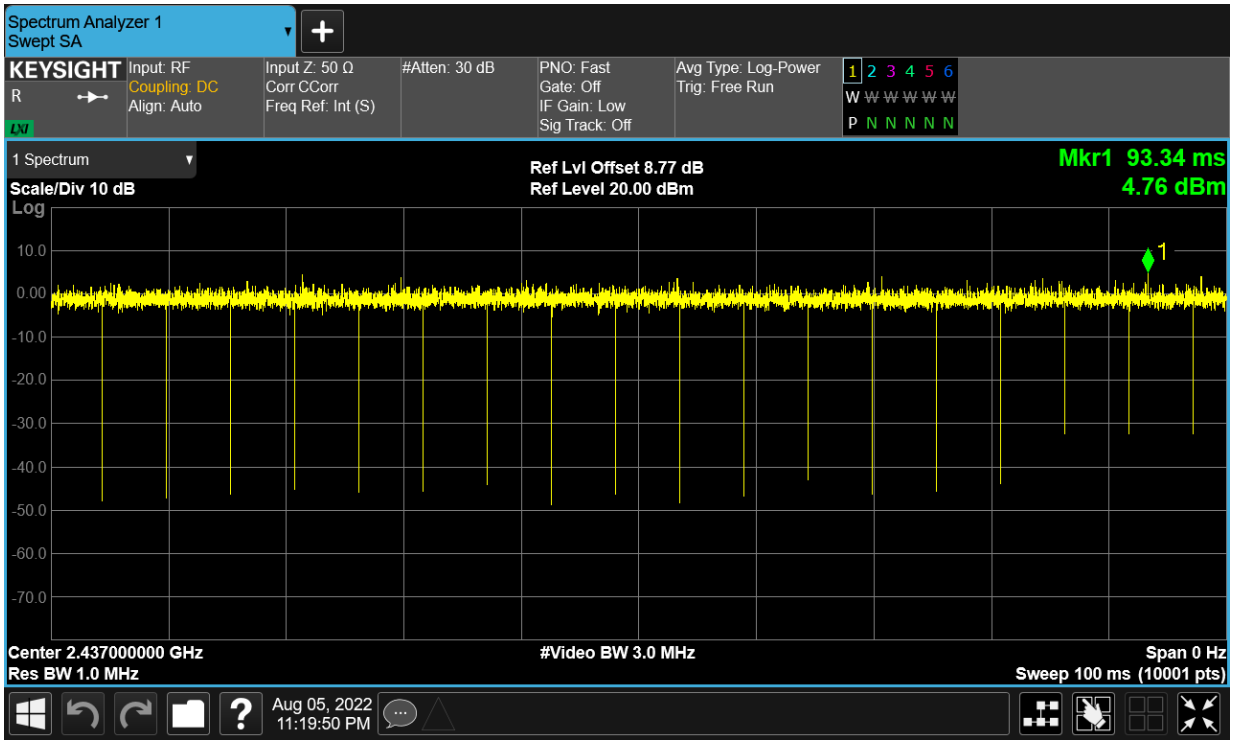
Duty Cycle NVNT ax20 2462MHz Sum



Duty Cycle NVNT ax40 2422MHz Sum



Duty Cycle NVNT ax40 2437MHz Sum



Duty Cycle NVNT ax40 2452MHz Sum

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	15.9	0	15.9	30	Pass
NVNT	b	2437	Ant1	15.83	0	15.83	30	Pass
NVNT	b	2462	Ant1	15.56	0	15.56	30	Pass
NVNT	b	2412	Ant2	16.3	0	16.3	30	Pass
NVNT	b	2437	Ant2	16.32	0	16.32	30	Pass
NVNT	b	2462	Ant2	15.98	0	15.98	30	Pass
NVNT	g	2412	Ant1	13.78	0	13.78	30	Pass
NVNT	g	2437	Ant1	13.76	0	13.76	30	Pass
NVNT	g	2462	Ant1	13.39	0	13.39	30	Pass
NVNT	g	2412	Ant2	14.26	0	14.26	30	Pass
NVNT	g	2437	Ant2	14.55	0	14.55	30	Pass
NVNT	g	2462	Ant2	14.19	0	14.19	30	Pass
NVNT	n20	2412	Ant1	11.61	0	11.61	30	Pass
NVNT	n20	2412	Ant2	12.07	0	12.07	30	Pass
NVNT	n20	2412	Sum	14.856	0	14.856	30	Pass
NVNT	n20	2437	Ant1	11.64	0	11.64	30	Pass
NVNT	n20	2437	Ant2	12.47	0	12.47	30	Pass
NVNT	n20	2437	Sum	15.085	0	15.085	30	Pass
NVNT	n20	2462	Ant1	11.58	0	11.58	30	Pass
NVNT	n20	2462	Ant2	12.16	0	12.16	30	Pass
NVNT	n20	2462	Sum	14.89	0	14.89	30	Pass
NVNT	n40	2422	Ant1	10.27	0	10.27	30	Pass
NVNT	n40	2422	Ant2	11.63	0	11.63	30	Pass
NVNT	n40	2422	Sum	14.013	0	14.013	30	Pass
NVNT	n40	2437	Ant1	10.52	0	10.52	30	Pass
NVNT	n40	2437	Ant2	11.35	0	11.35	30	Pass
NVNT	n40	2437	Sum	13.965	0	13.965	30	Pass
NVNT	n40	2452	Ant1	10.49	0	10.49	30	Pass
NVNT	n40	2452	Ant2	11.76	0	11.76	30	Pass
NVNT	n40	2452	Sum	14.182	0	14.182	30	Pass
NVNT	ax20	2412	Ant1	9.86	0	9.86	30	Pass
NVNT	ax20	2412	Ant2	10.49	0	10.49	30	Pass
NVNT	ax20	2412	Sum	13.197	0	13.197	30	Pass
NVNT	ax20	2437	Ant1	9.95	0	9.95	30	Pass
NVNT	ax20	2437	Ant2	10.96	0	10.96	30	Pass
NVNT	ax20	2437	Sum	13.495	0	13.495	30	Pass
NVNT	ax20	2462	Ant1	9.78	0	9.78	30	Pass
NVNT	ax20	2462	Ant2	10.55	0	10.55	30	Pass
NVNT	ax20	2462	Sum	13.192	0	13.192	30	Pass
NVNT	ax40	2422	Ant1	9.51	0	9.51	30	Pass

NVNT	ax40	2422	Ant2	10.27	0	10.27	30	Pass
NVNT	ax40	2422	Sum	12.917	0	12.917	30	Pass
NVNT	ax40	2437	Ant1	9.71	0.01	9.72	30	Pass
NVNT	ax40	2437	Ant2	10.91	0.01	10.92	30	Pass
NVNT	ax40	2437	Sum	13.362	0.01	13.372	30	Pass
NVNT	ax40	2452	Ant1	9.55	0.01	9.56	30	Pass
NVNT	ax40	2452	Ant2	10.37	0.01	10.38	30	Pass
NVNT	ax40	2452	Sum	12.99	0.01	13	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	Ant1	8.074	0.5	Pass
NVNT	b	2437	Ant1	8.015	0.5	Pass
NVNT	b	2462	Ant1	8.003	0.5	Pass
NVNT	b	2412	Ant2	7.064	0.5	Pass
NVNT	b	2437	Ant2	7.597	0.5	Pass
NVNT	b	2462	Ant2	8.057	0.5	Pass
NVNT	g	2412	Ant1	16.344	0.5	Pass
NVNT	g	2437	Ant1	16.388	0.5	Pass
NVNT	g	2462	Ant1	16.368	0.5	Pass
NVNT	g	2412	Ant2	16.335	0.5	Pass
NVNT	g	2437	Ant2	16.413	0.5	Pass
NVNT	g	2462	Ant2	16.257	0.5	Pass
NVNT	n20	2412	Ant1	17.716	0.5	Pass
NVNT	n20	2412	Ant2	17.708	0.5	Pass
NVNT	n20	2437	Ant1	17.763	0.5	Pass
NVNT	n20	2437	Ant2	17.73	0.5	Pass
NVNT	n20	2462	Ant1	17.696	0.5	Pass
NVNT	n20	2462	Ant2	17.75	0.5	Pass
NVNT	n40	2422	Ant1	35.674	0.5	Pass
NVNT	n40	2422	Ant2	35.704	0.5	Pass
NVNT	n40	2437	Ant1	36.279	0.5	Pass
NVNT	n40	2437	Ant2	36.337	0.5	Pass
NVNT	n40	2452	Ant1	35.794	0.5	Pass
NVNT	n40	2452	Ant2	35.417	0.5	Pass
NVNT	ax20	2412	Ant1	18.642	0.5	Pass
NVNT	ax20	2412	Ant2	18.214	0.5	Pass
NVNT	ax20	2437	Ant1	18.257	0.5	Pass
NVNT	ax20	2437	Ant2	18.875	0.5	Pass
NVNT	ax20	2462	Ant1	18.909	0.5	Pass
NVNT	ax20	2462	Ant2	18.534	0.5	Pass
NVNT	ax40	2422	Ant1	37.988	0.5	Pass
NVNT	ax40	2422	Ant2	37.77	0.5	Pass
NVNT	ax40	2437	Ant1	37.189	0.5	Pass
NVNT	ax40	2437	Ant2	37.821	0.5	Pass
NVNT	ax40	2452	Ant1	37.724	0.5	Pass
NVNT	ax40	2452	Ant2	36.984	0.5	Pass

Test Graphs

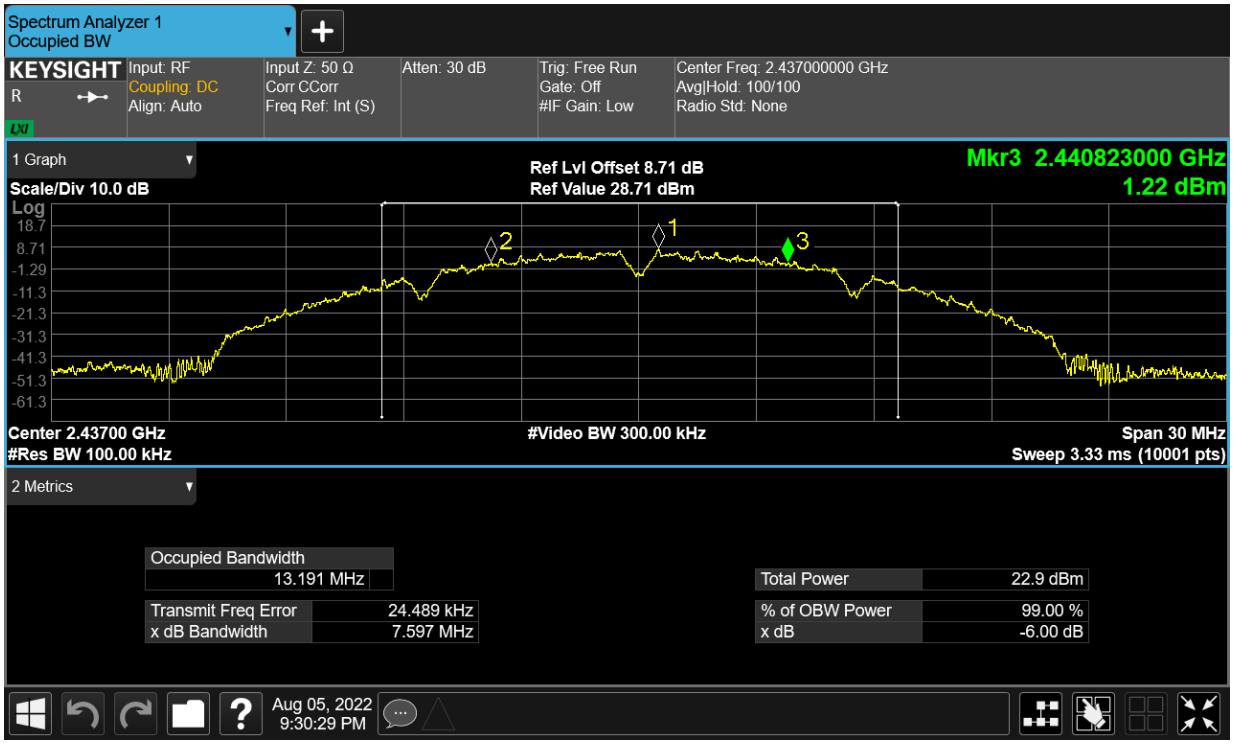
-6dB Bandwidth NVNT b 2412MHz Ant1

-6dB Bandwidth NVNT b 2437MHz Ant1

-6dB Bandwidth NVNT b 2462MHz Ant1

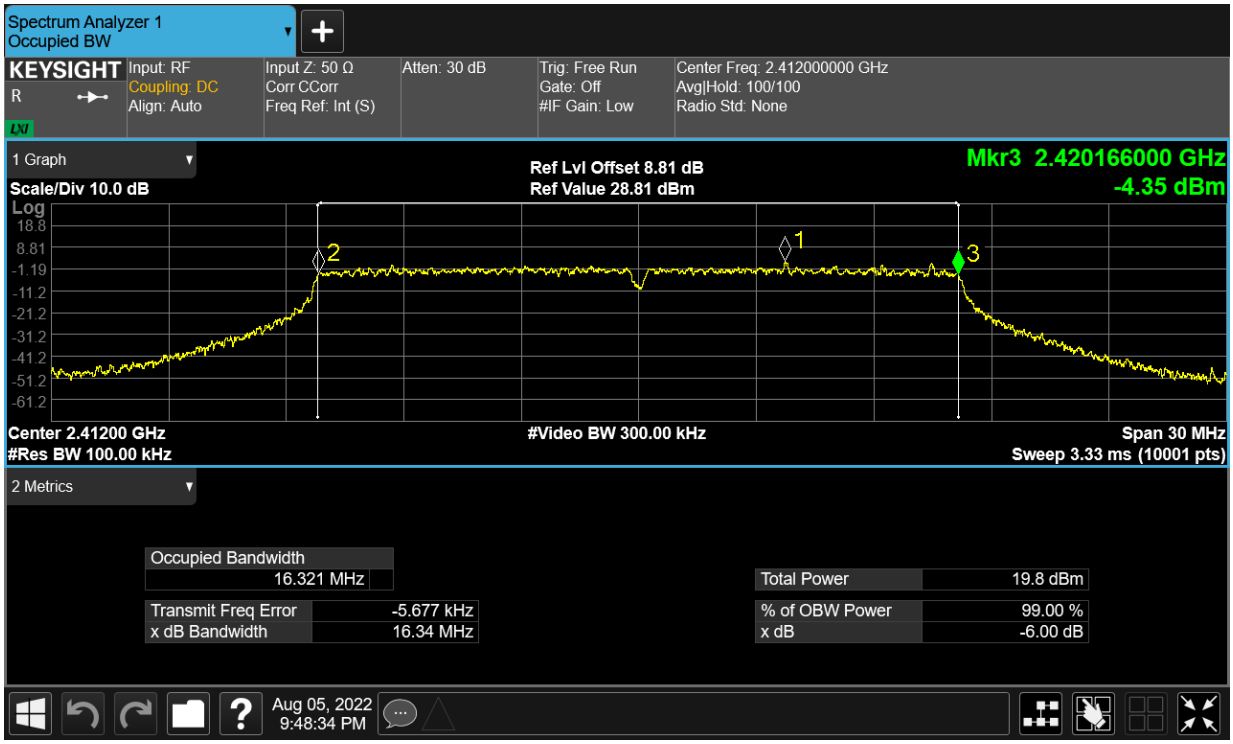
-6dB Bandwidth NVNT b 2412MHz Ant2

-6dB Bandwidth NVNT b 2437MHz Ant2

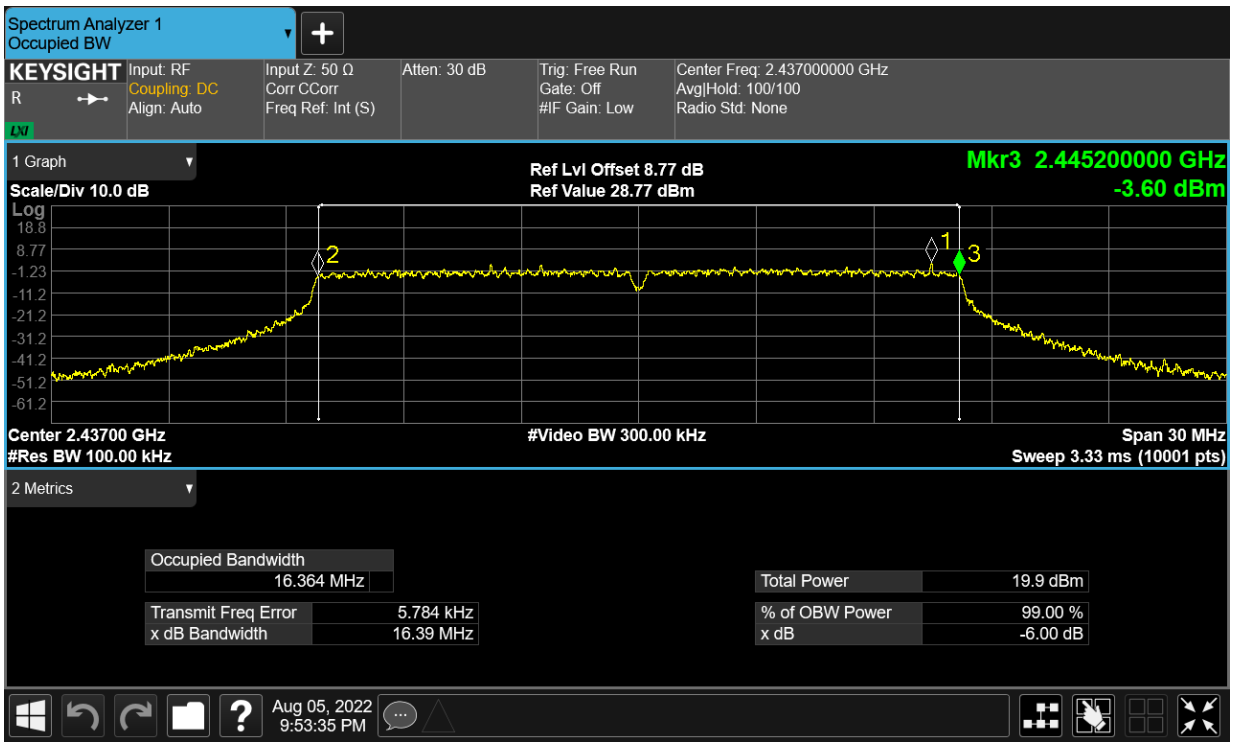


-6dB Bandwidth NVNT b 2462MHz Ant2

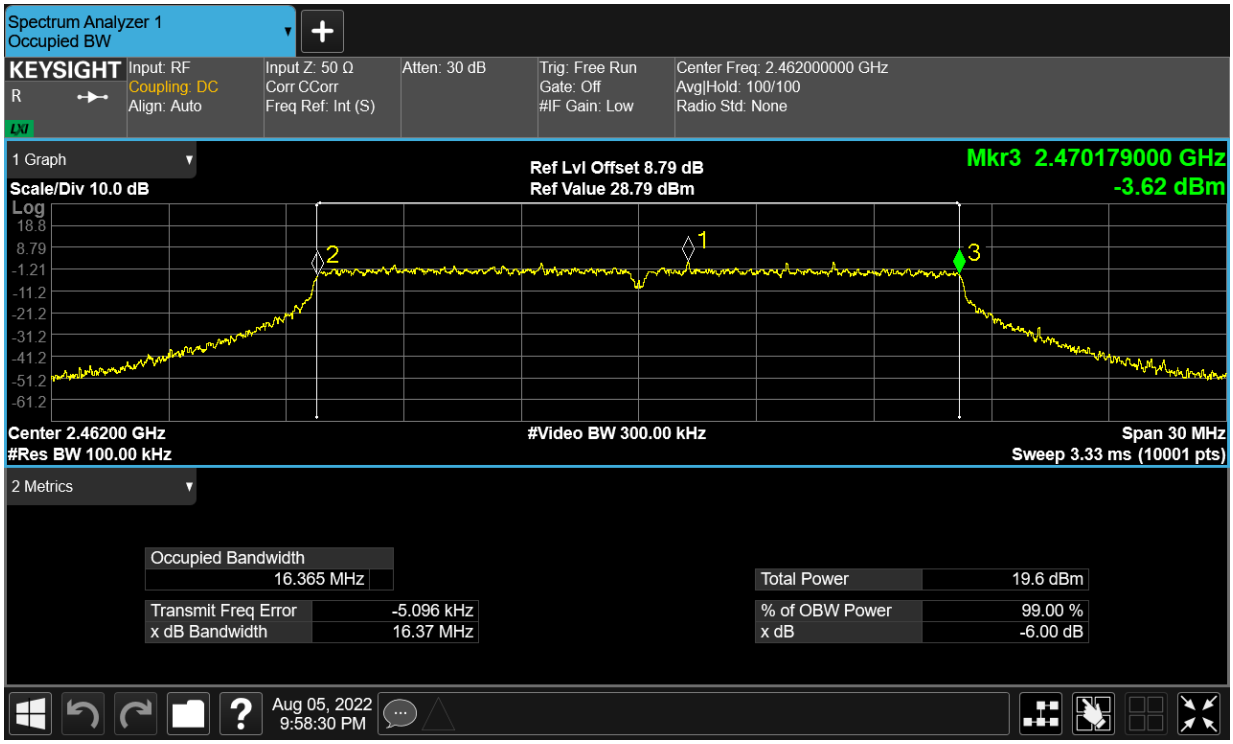
-6dB Bandwidth NVNT g 2412MHz Ant1



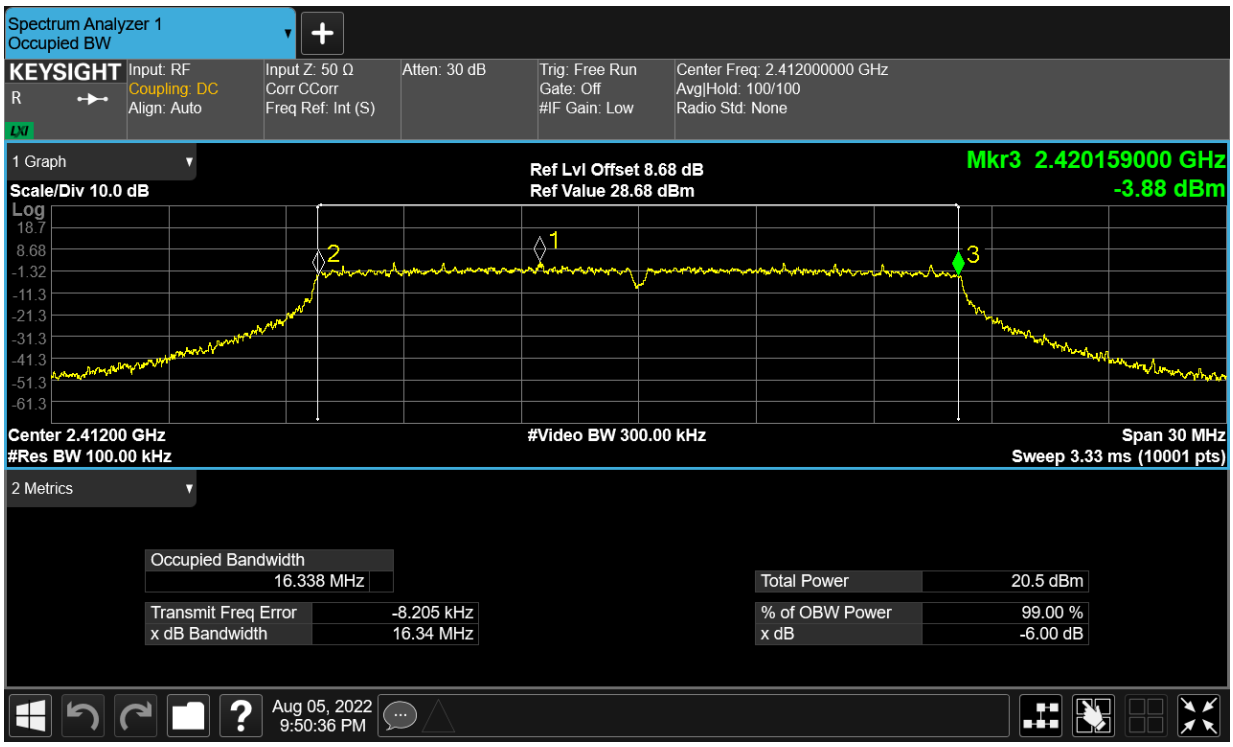
-6dB Bandwidth NVNT g 2437MHz Ant1



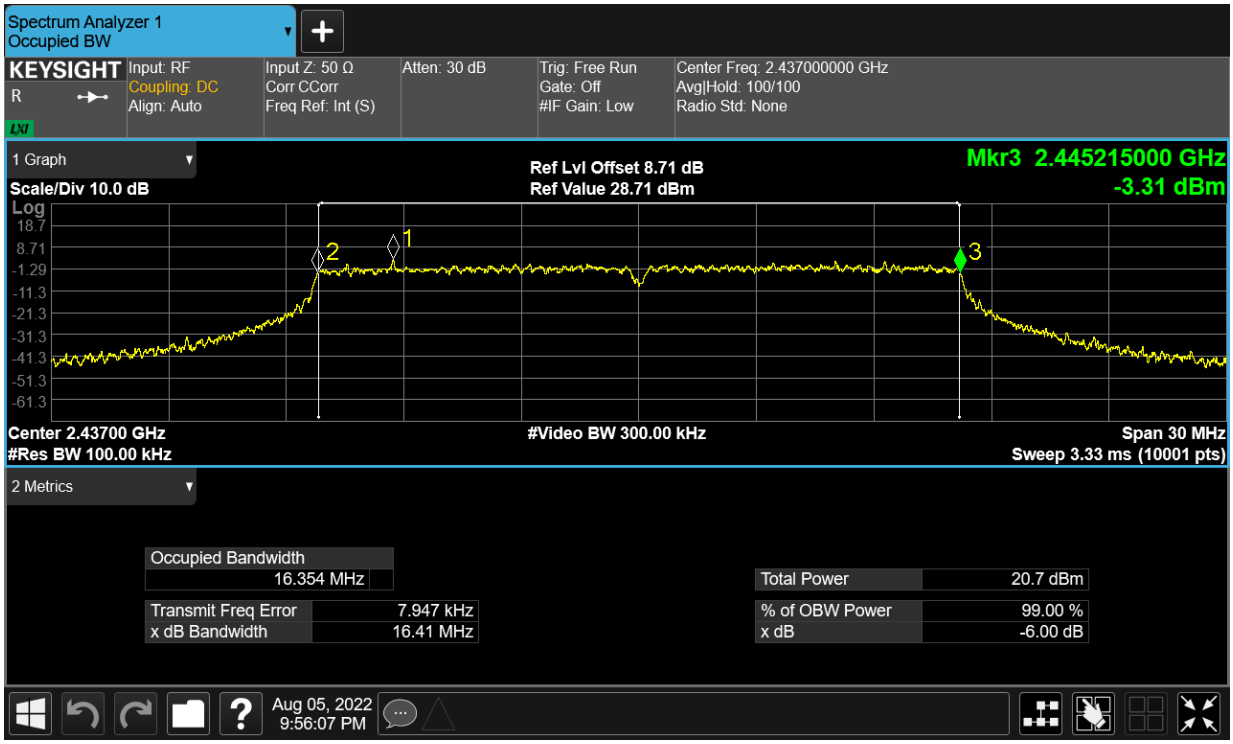
-6dB Bandwidth NVNT g 2462MHz Ant1



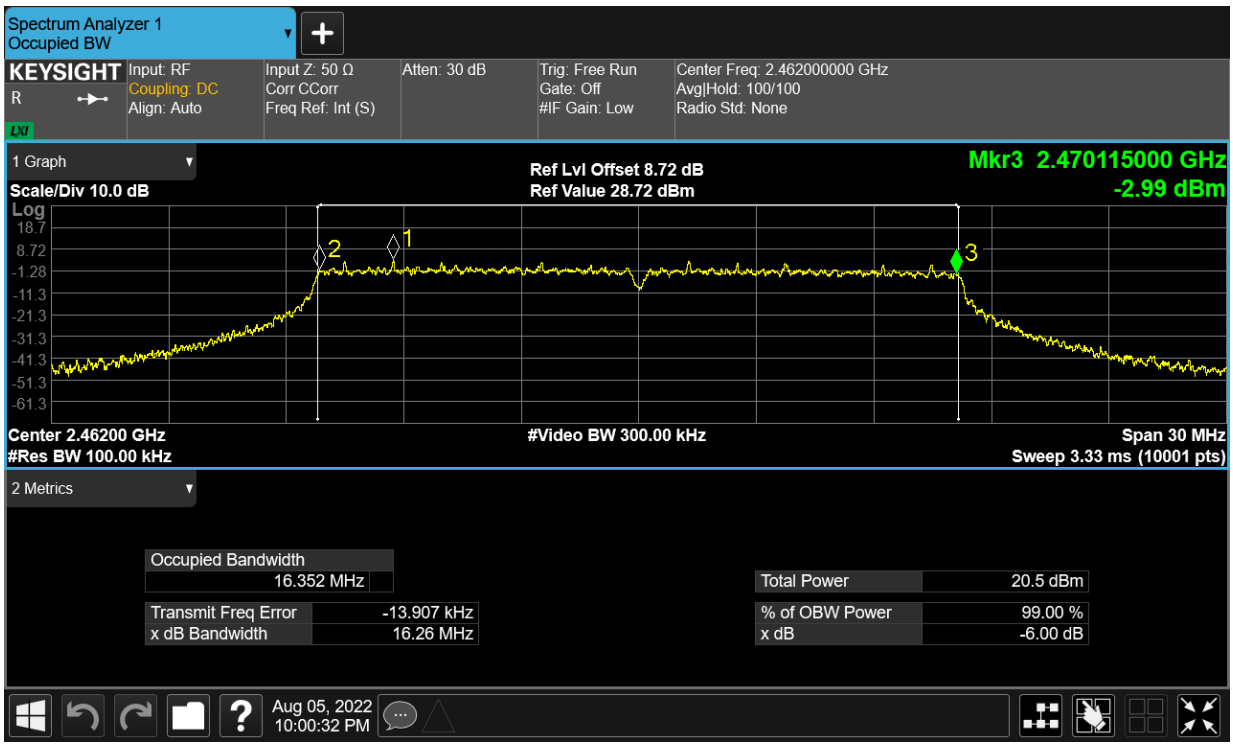
-6dB Bandwidth NVNT g 2412MHz Ant2



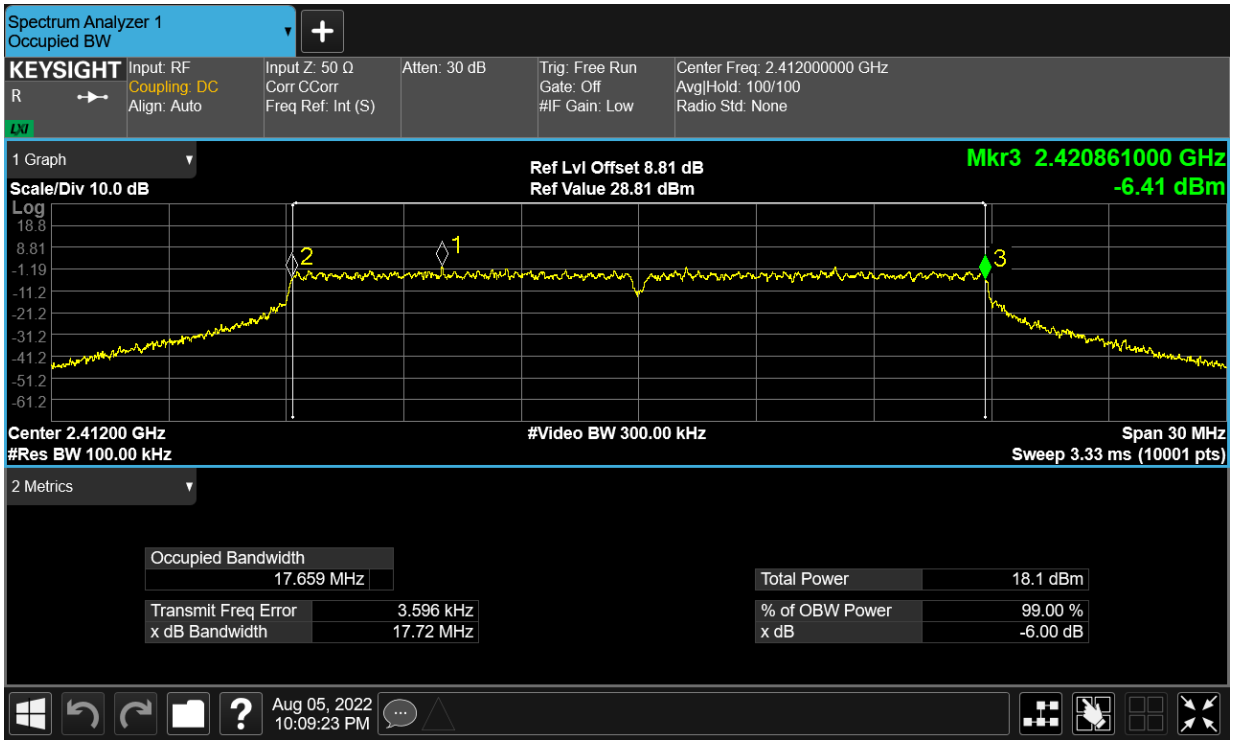
-6dB Bandwidth NVNT g 2437MHz Ant2



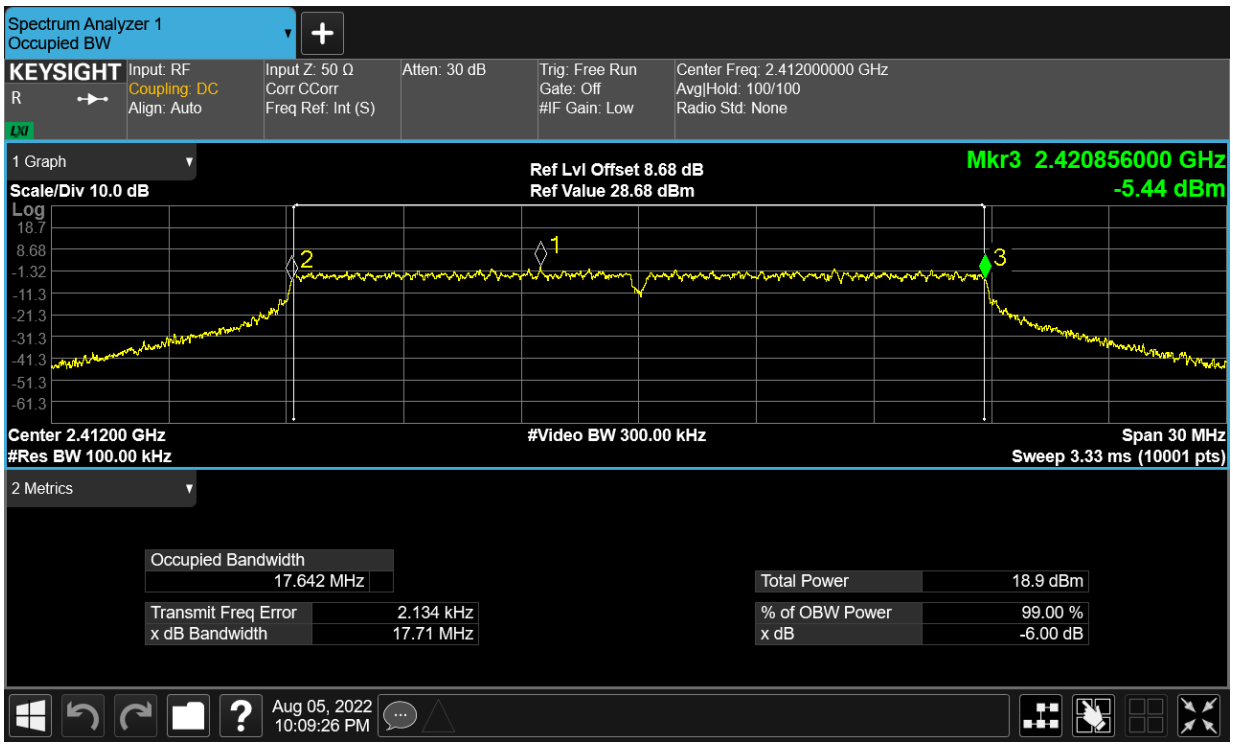
-6dB Bandwidth NVNT g 2462MHz Ant2



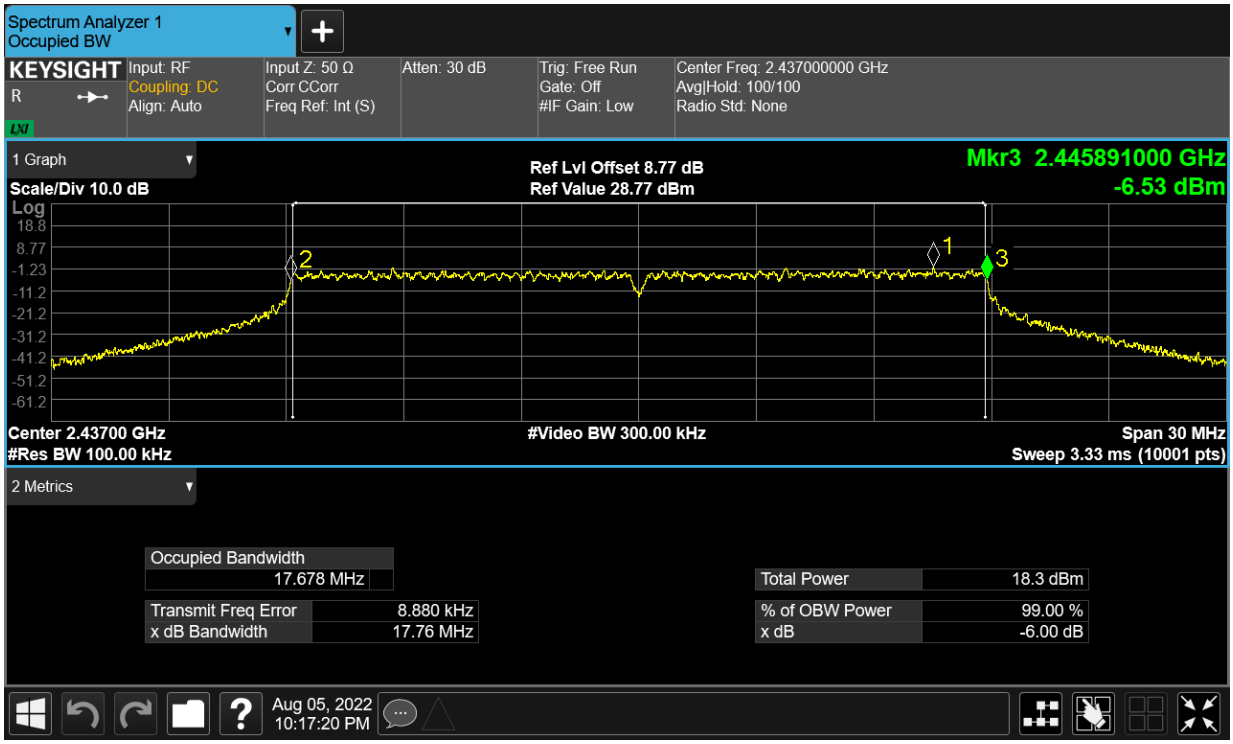
-6dB Bandwidth NVNT n20 2412MHz Ant1



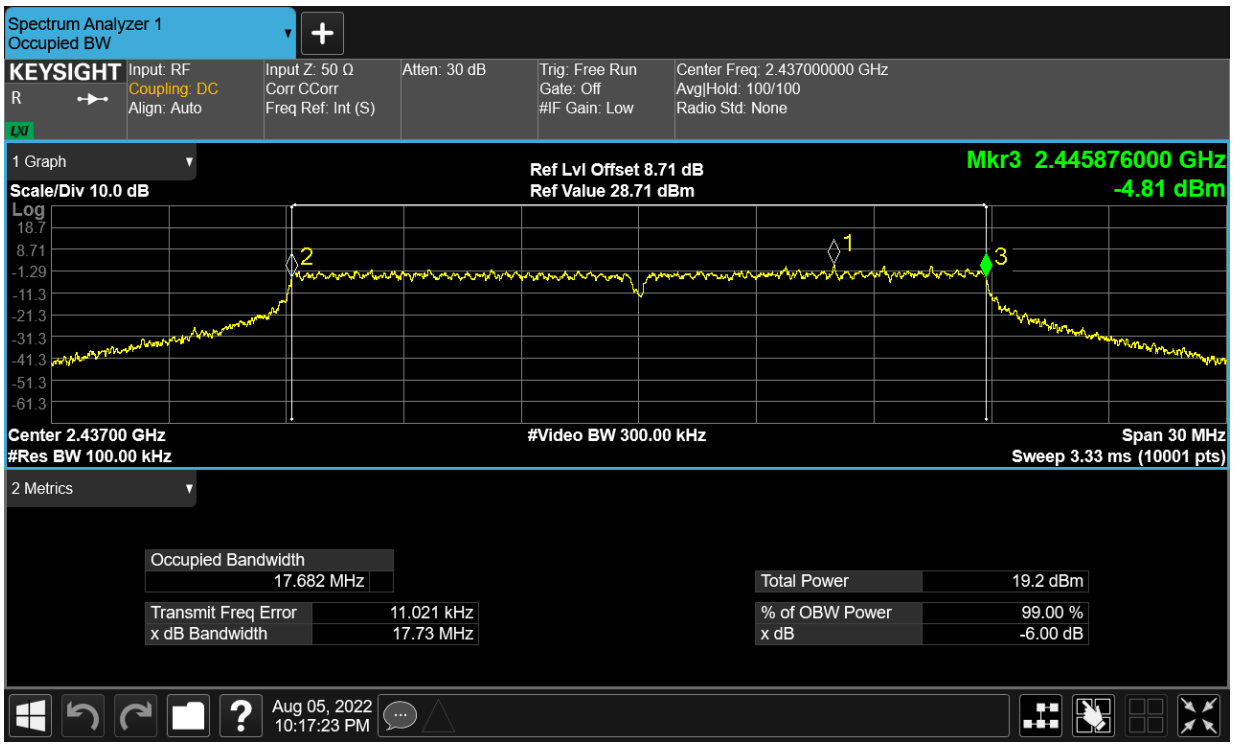
-6dB Bandwidth NVNT n20 2412MHz Ant2



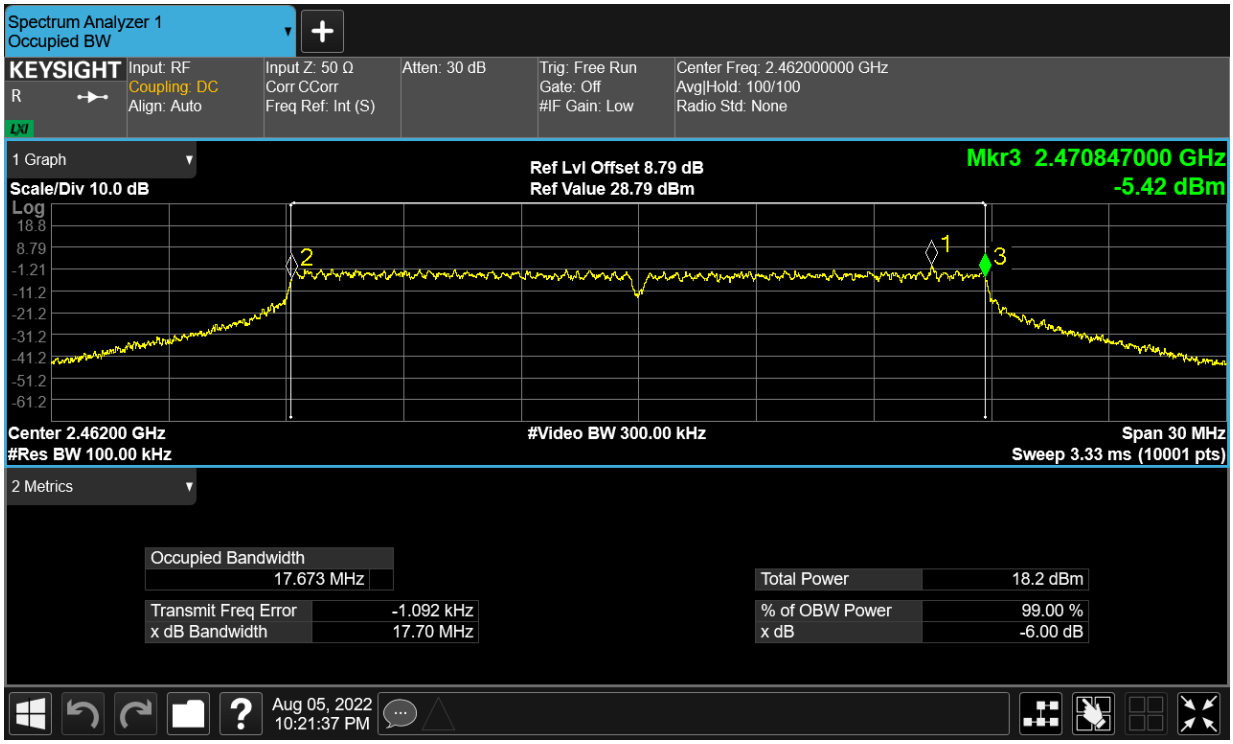
-6dB Bandwidth NVNT n20 2437MHz Ant1



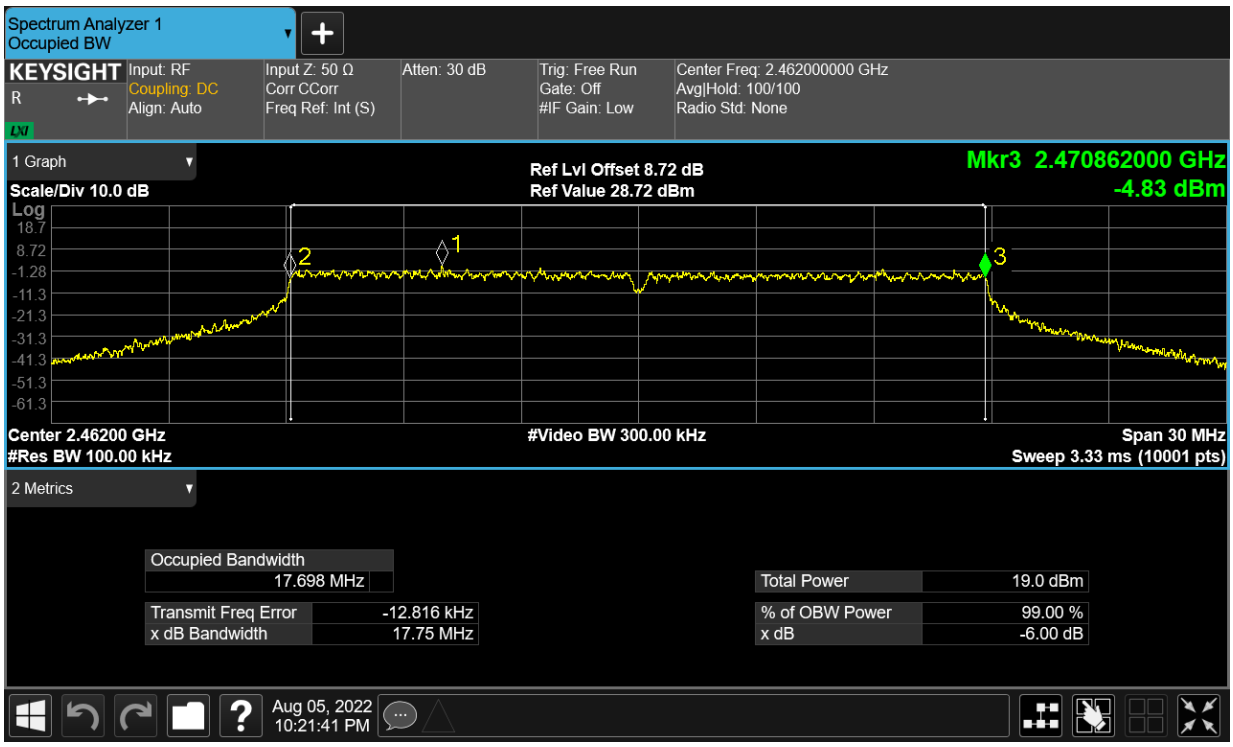
-6dB Bandwidth NVNT n20 2437MHz Ant2



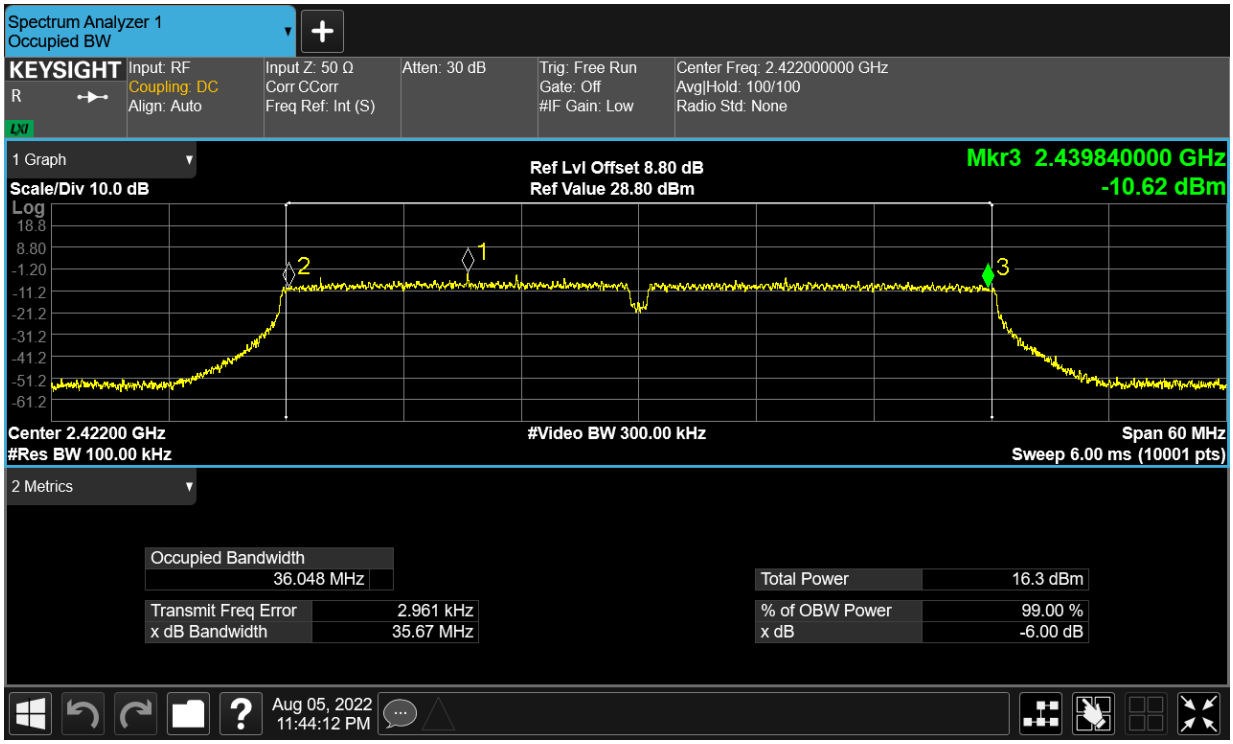
-6dB Bandwidth NVNT n20 2462MHz Ant1



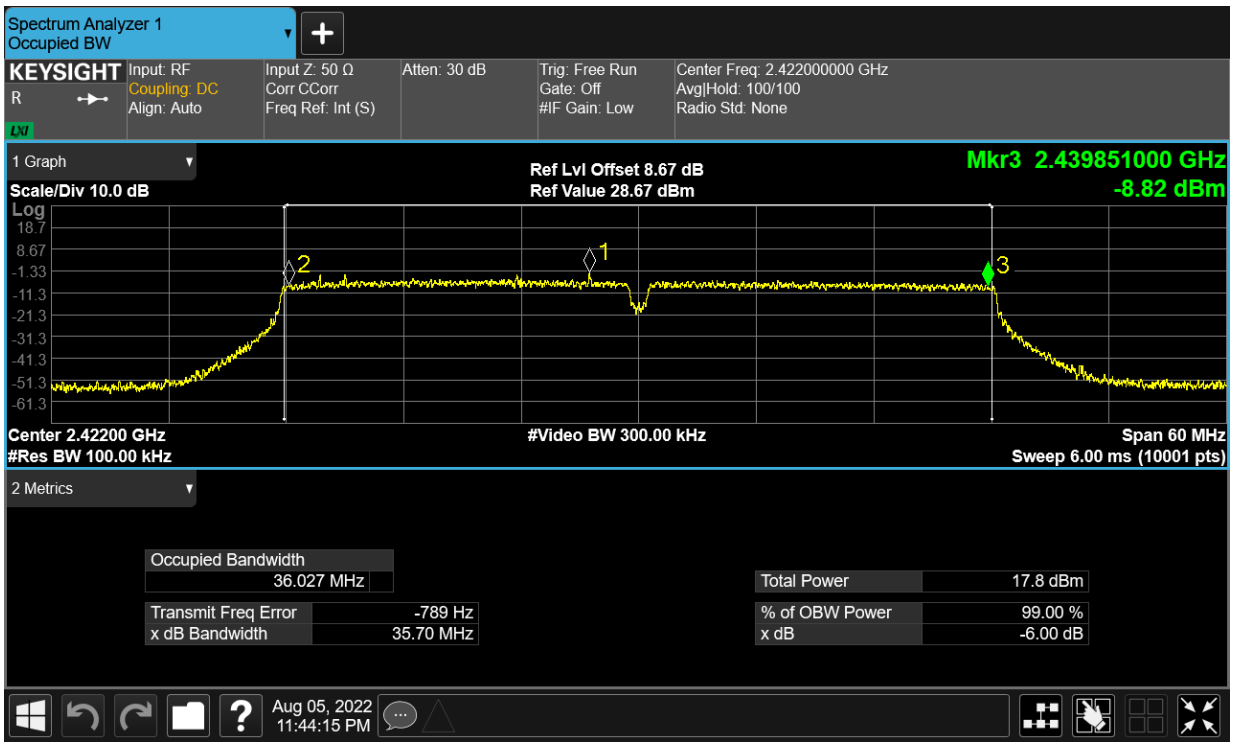
-6dB Bandwidth NVNT n20 2462MHz Ant2



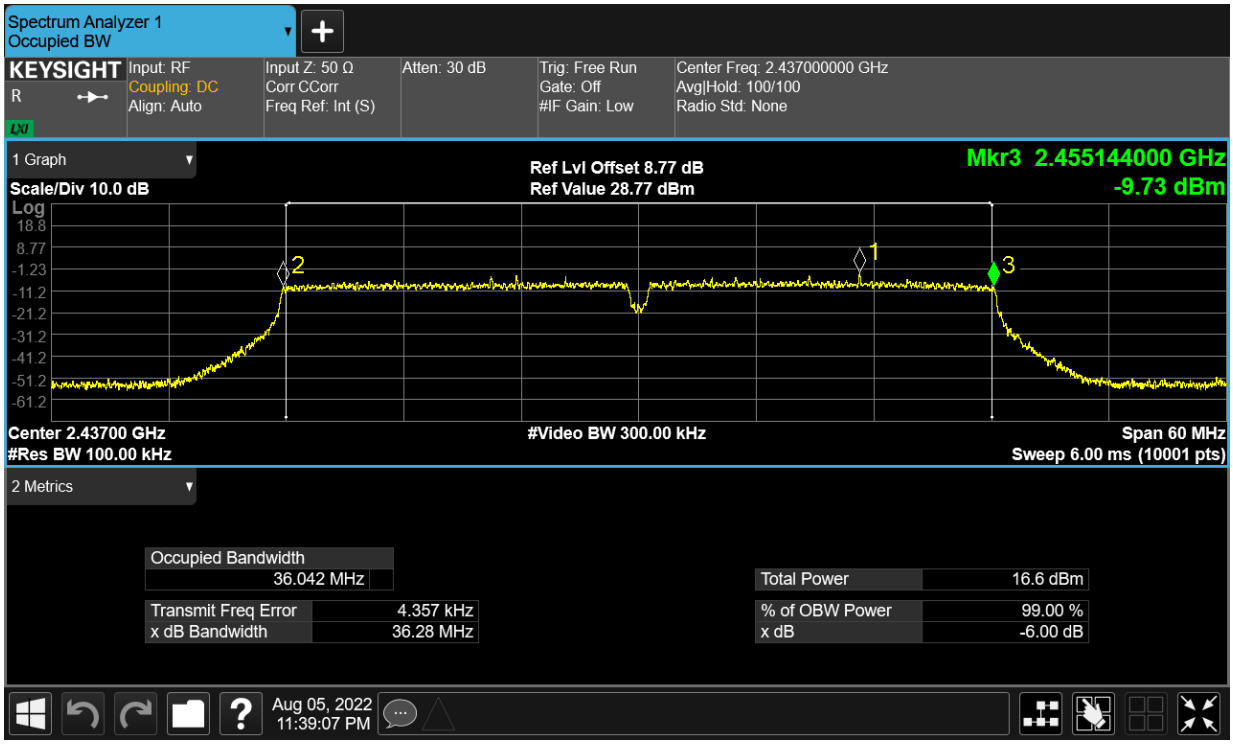
-6dB Bandwidth NVNT n40 2422MHz Ant1



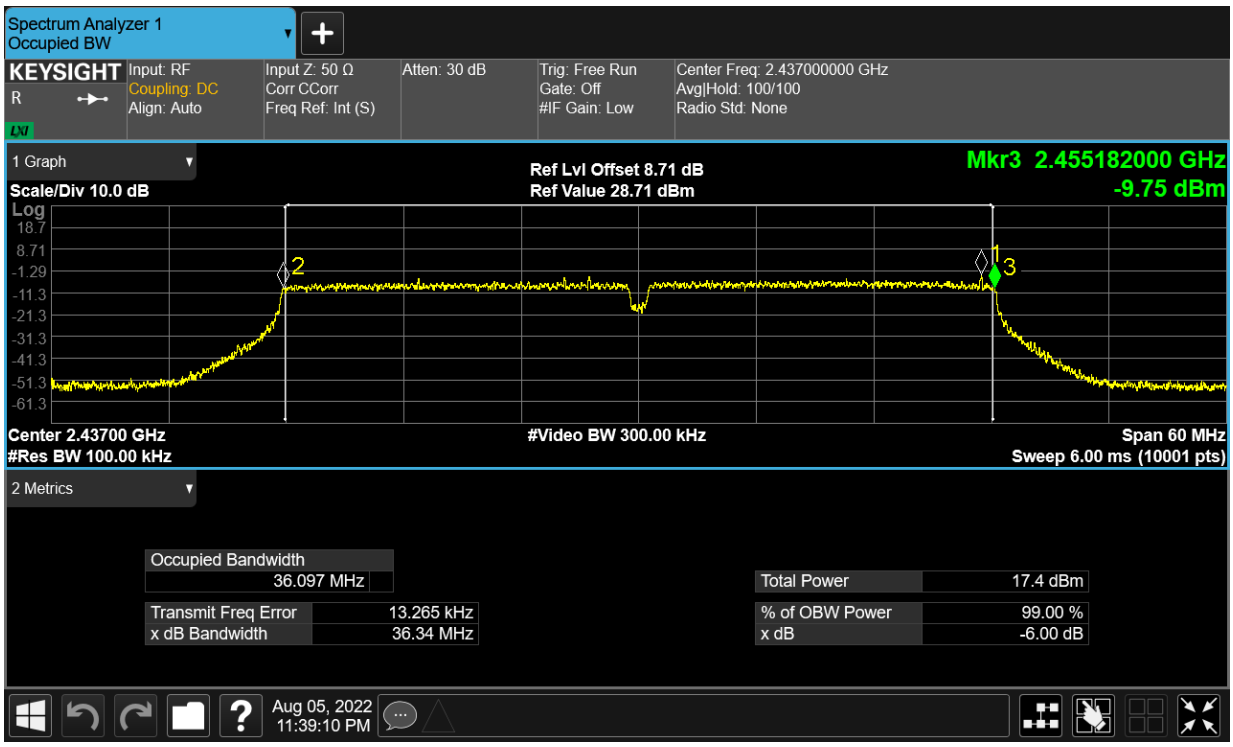
-6dB Bandwidth NVNT n40 2422MHz Ant2



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant2



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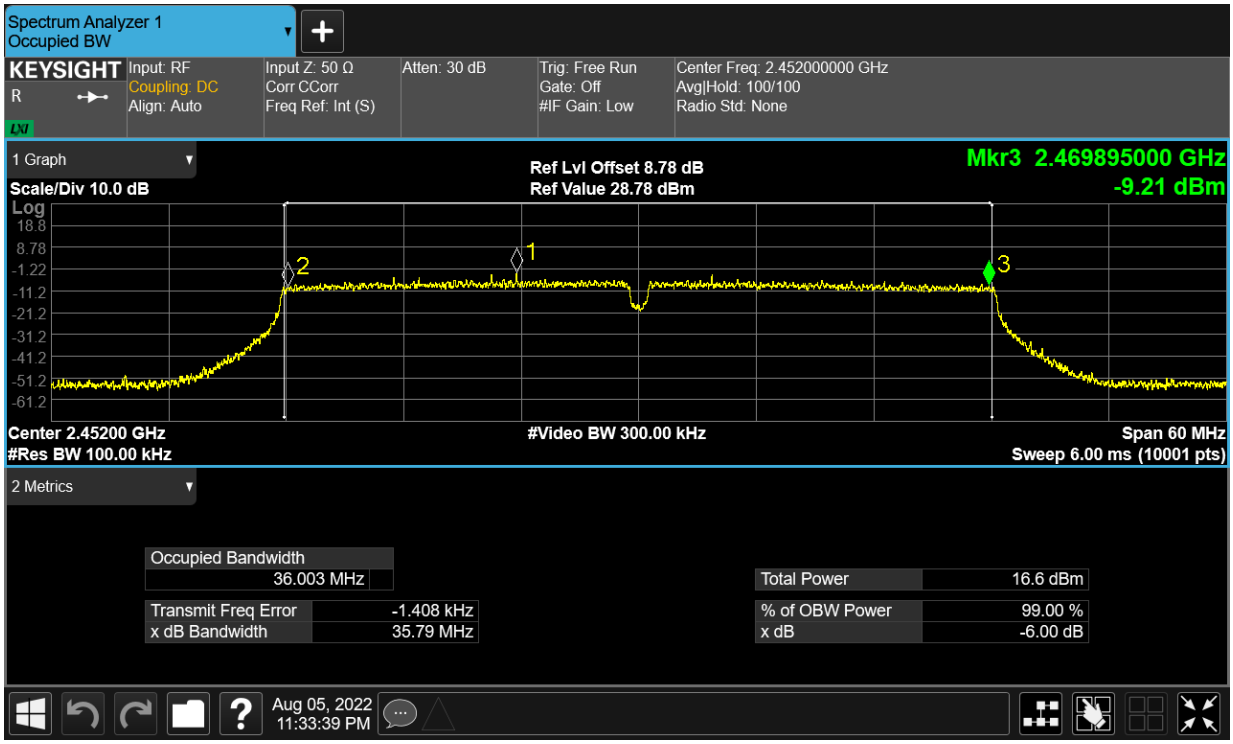
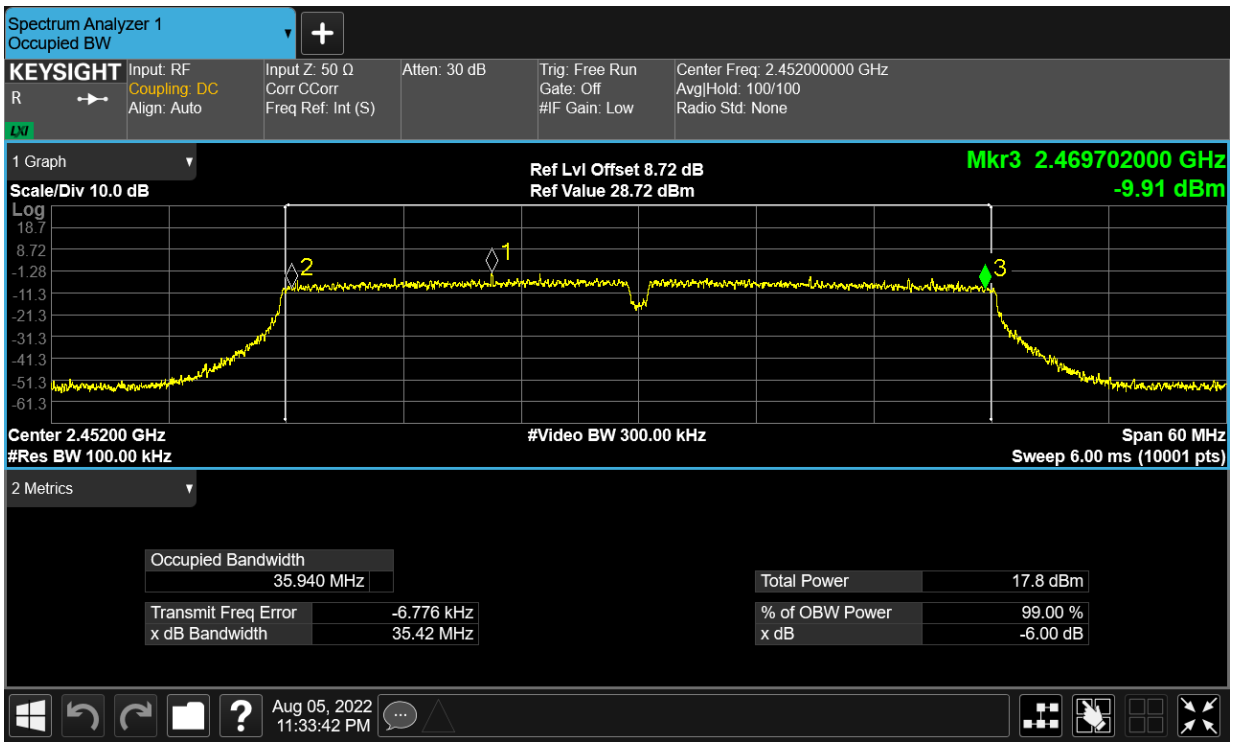
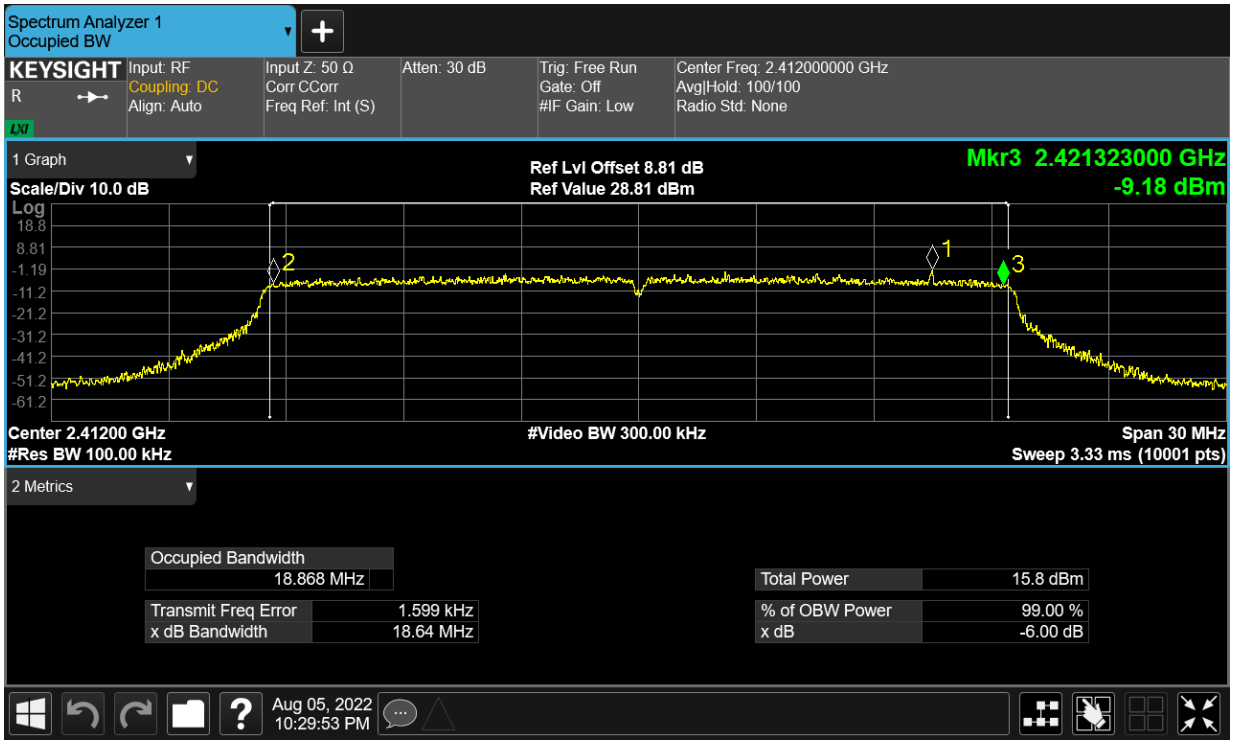


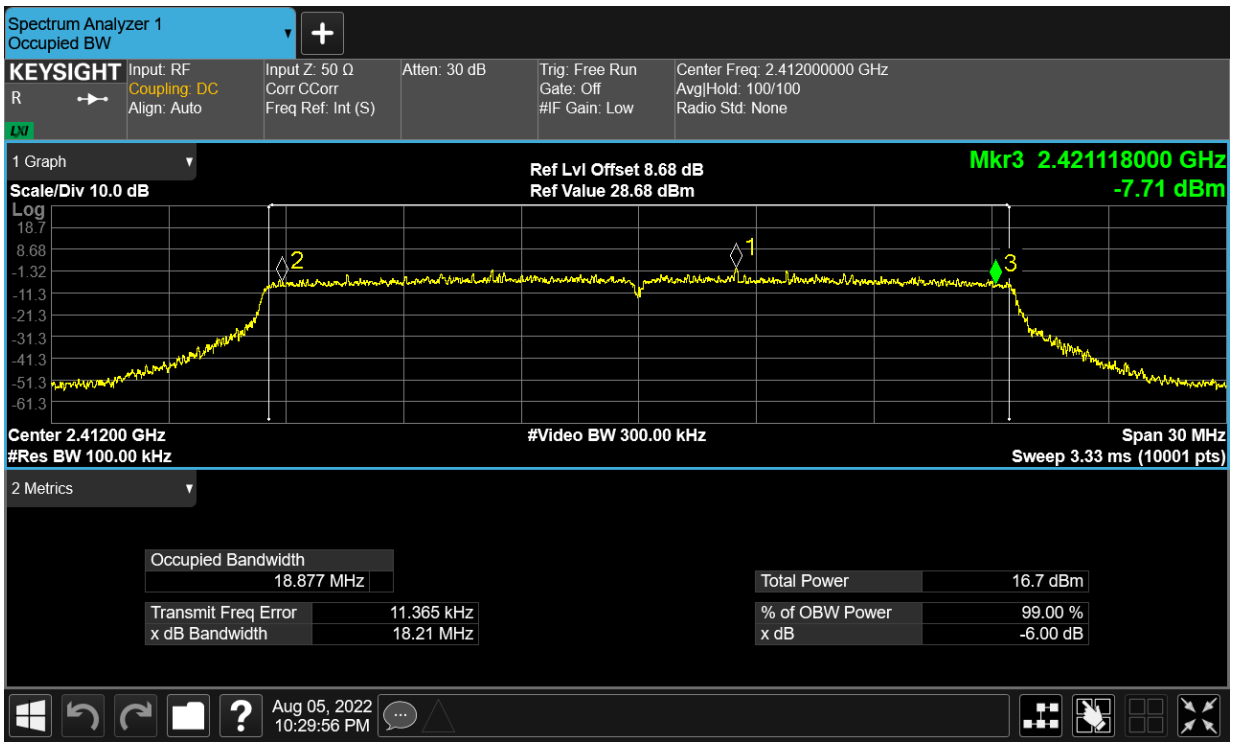
-6dB Bandwidth NVNT n40 2452MHz Ant2



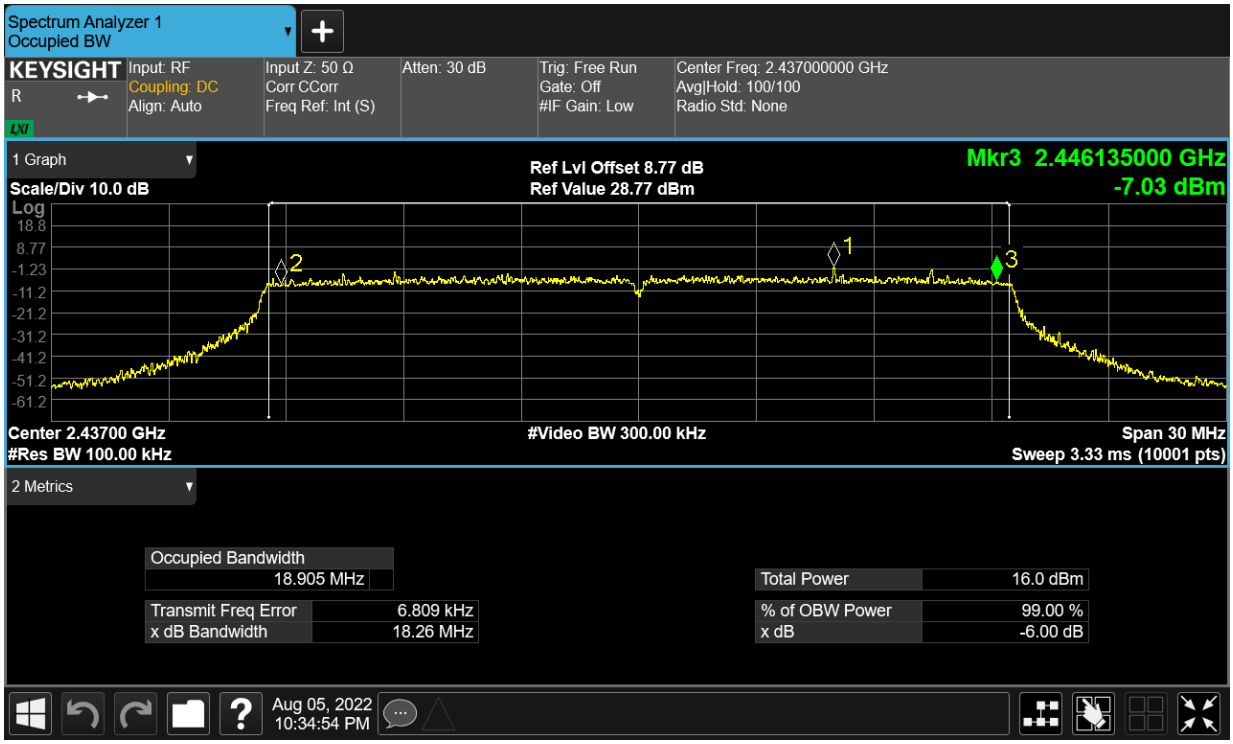
-6dB Bandwidth NVNT ax20 2412MHz Ant1



-6dB Bandwidth NVNT ax20 2412MHz Ant2



-6dB Bandwidth NVNT ax20 2437MHz Ant1



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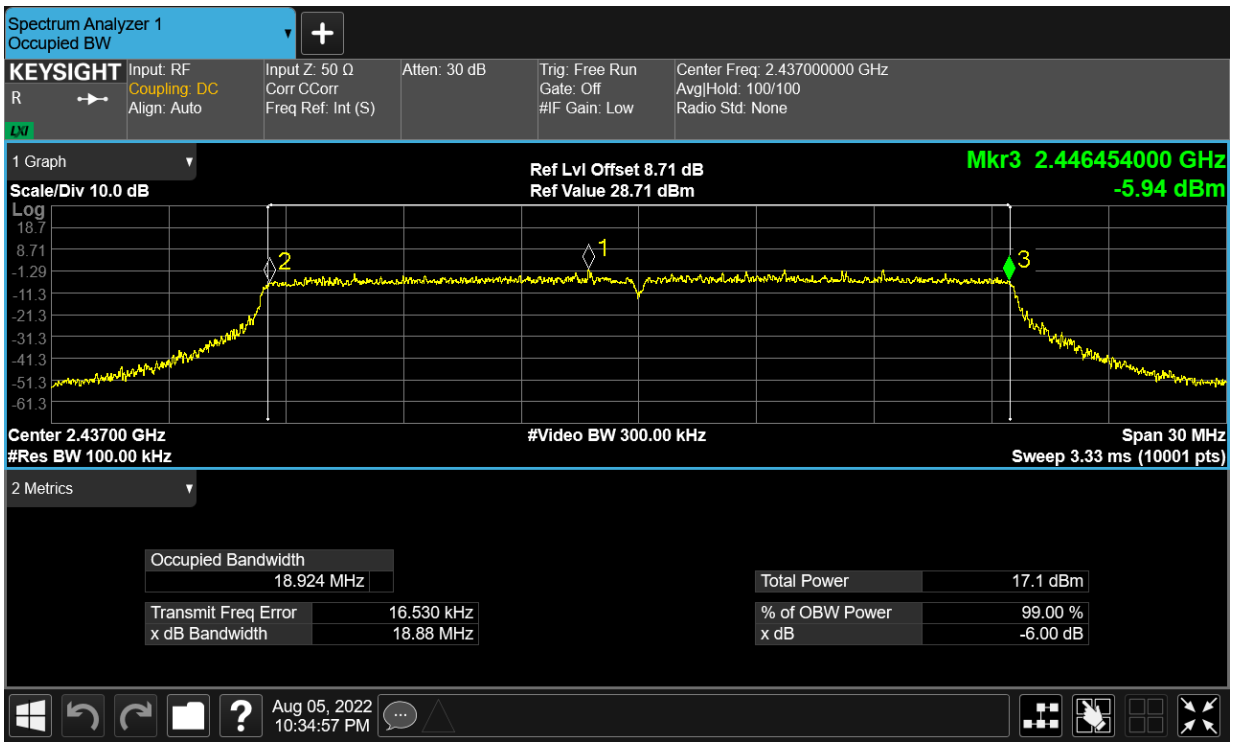
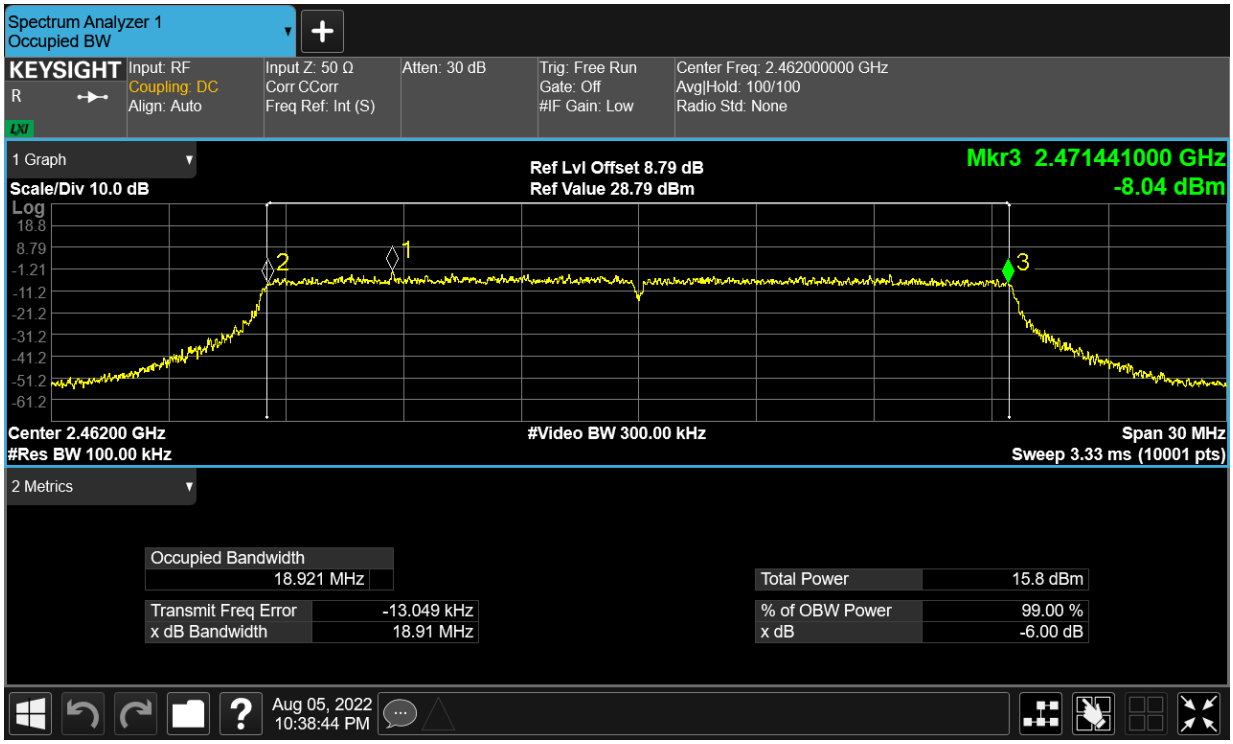


-6dB Bandwidth NVNT ax20 2462MHz Ant1



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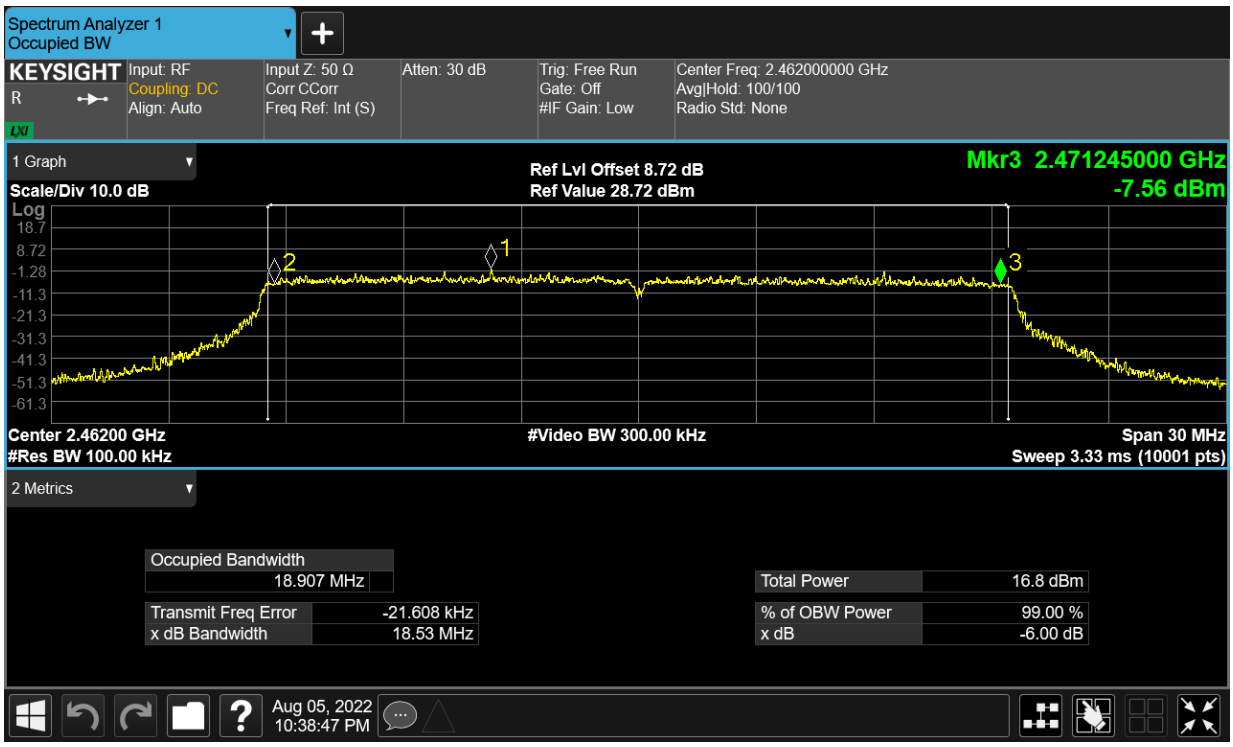
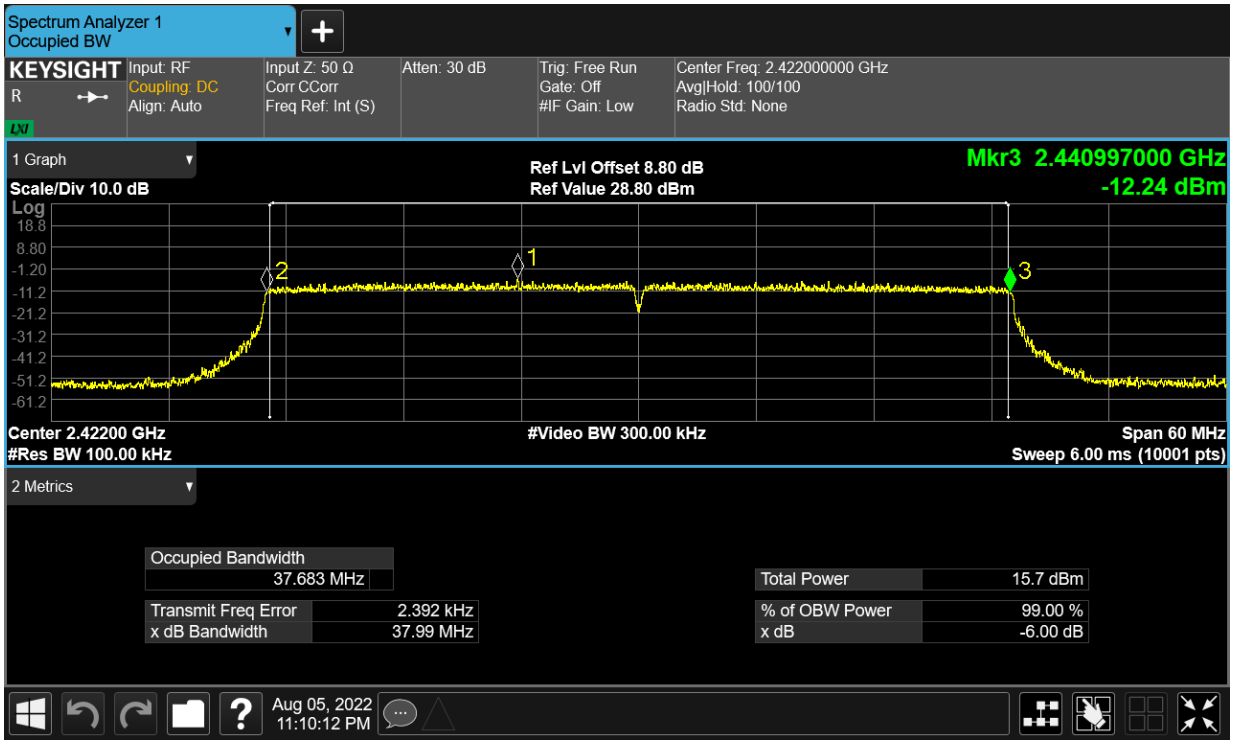
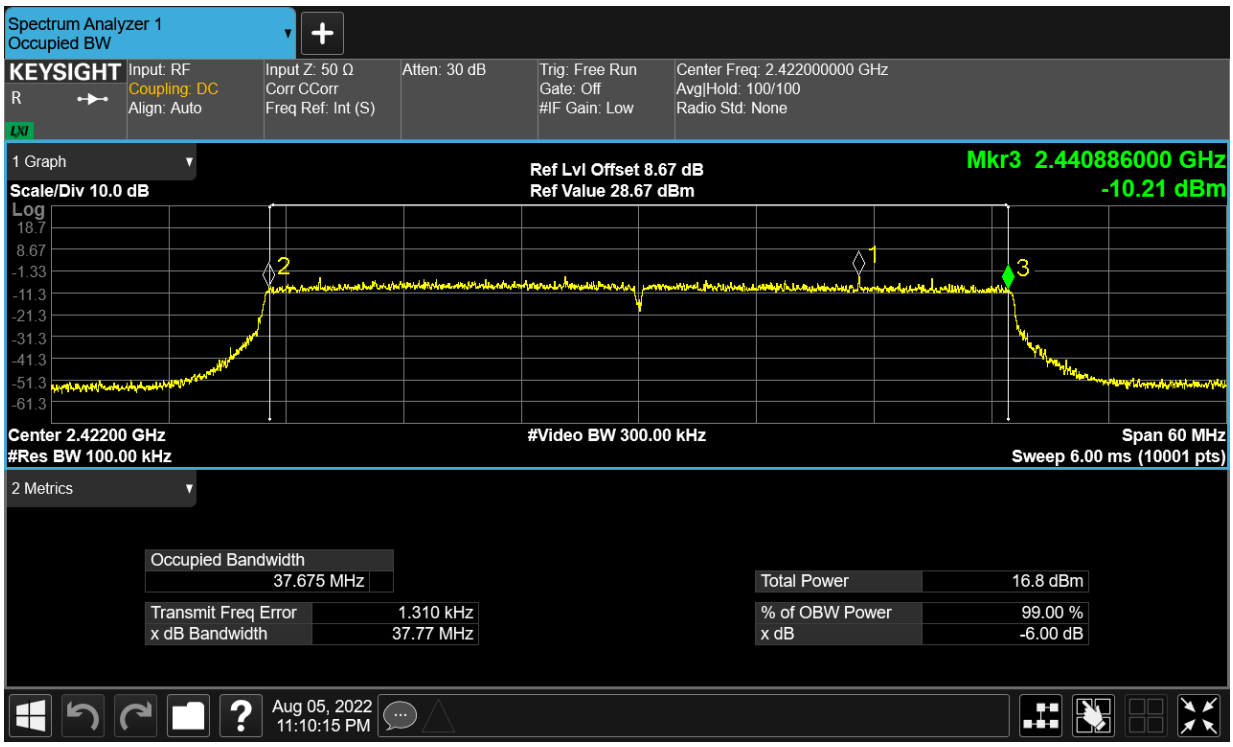


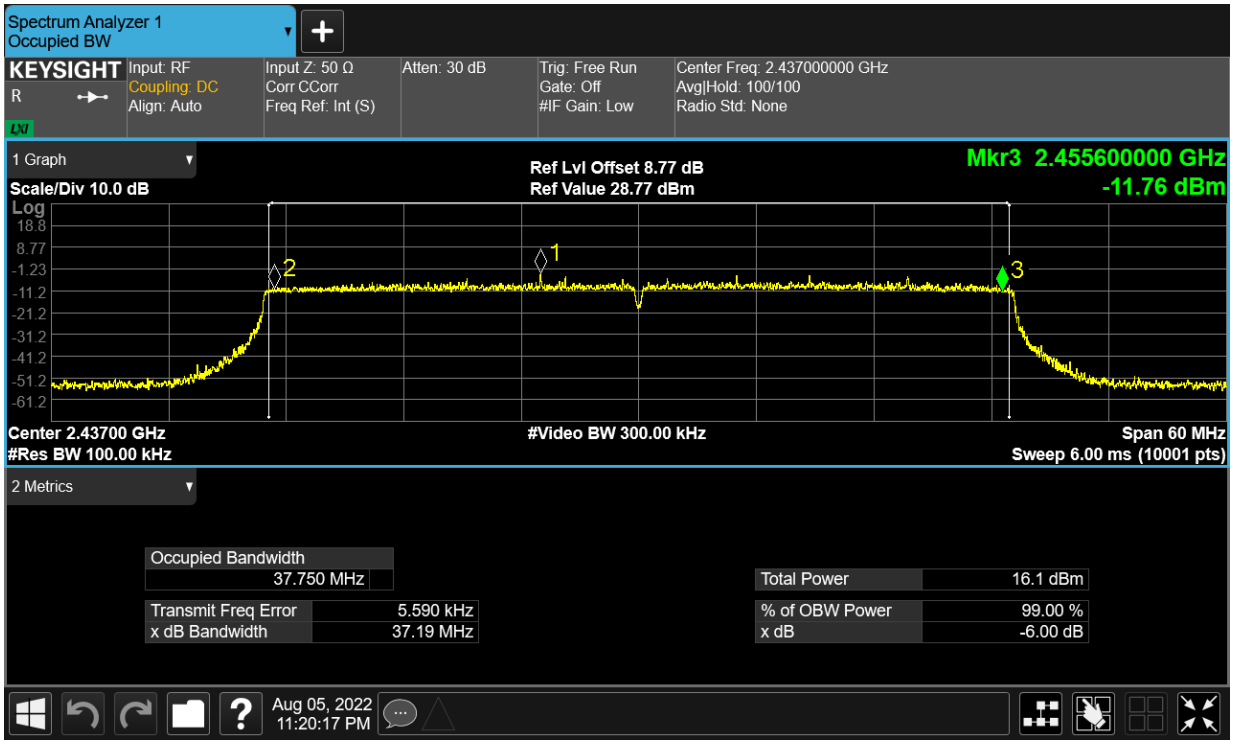
-6dB Bandwidth NVNT ax40 2422MHz Ant1



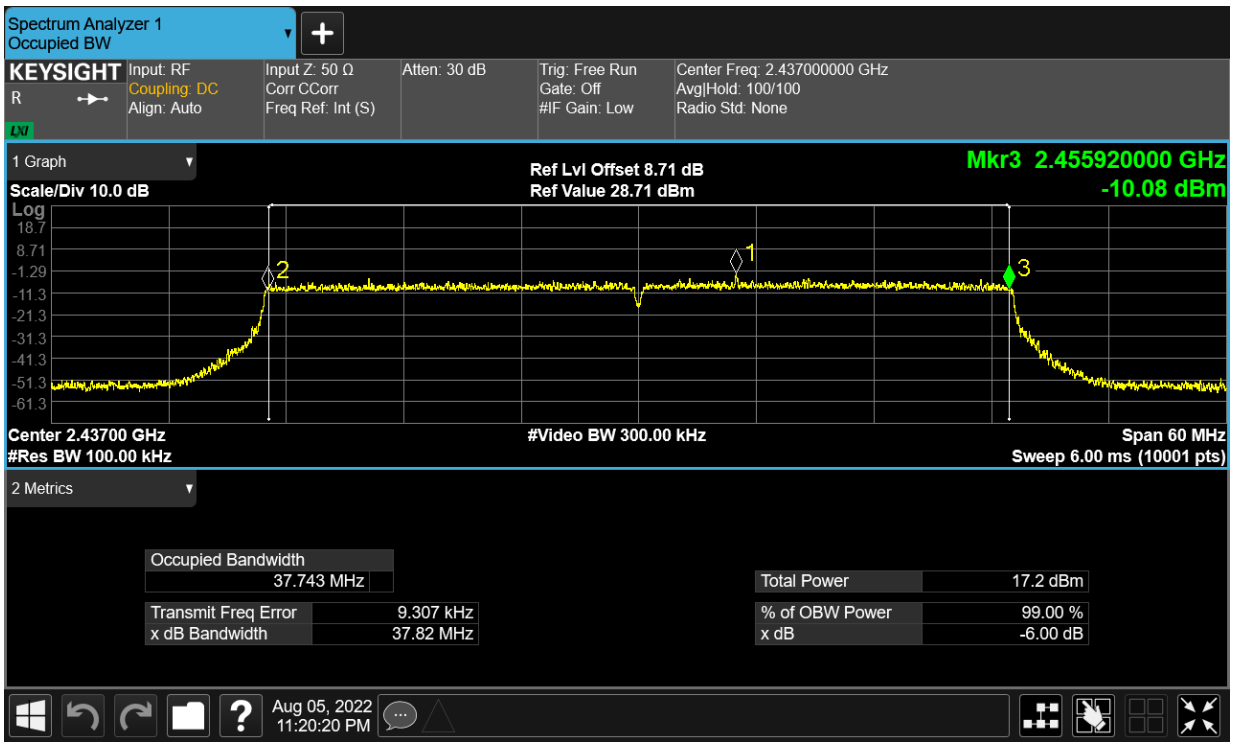
-6dB Bandwidth NVNT ax40 2422MHz Ant2



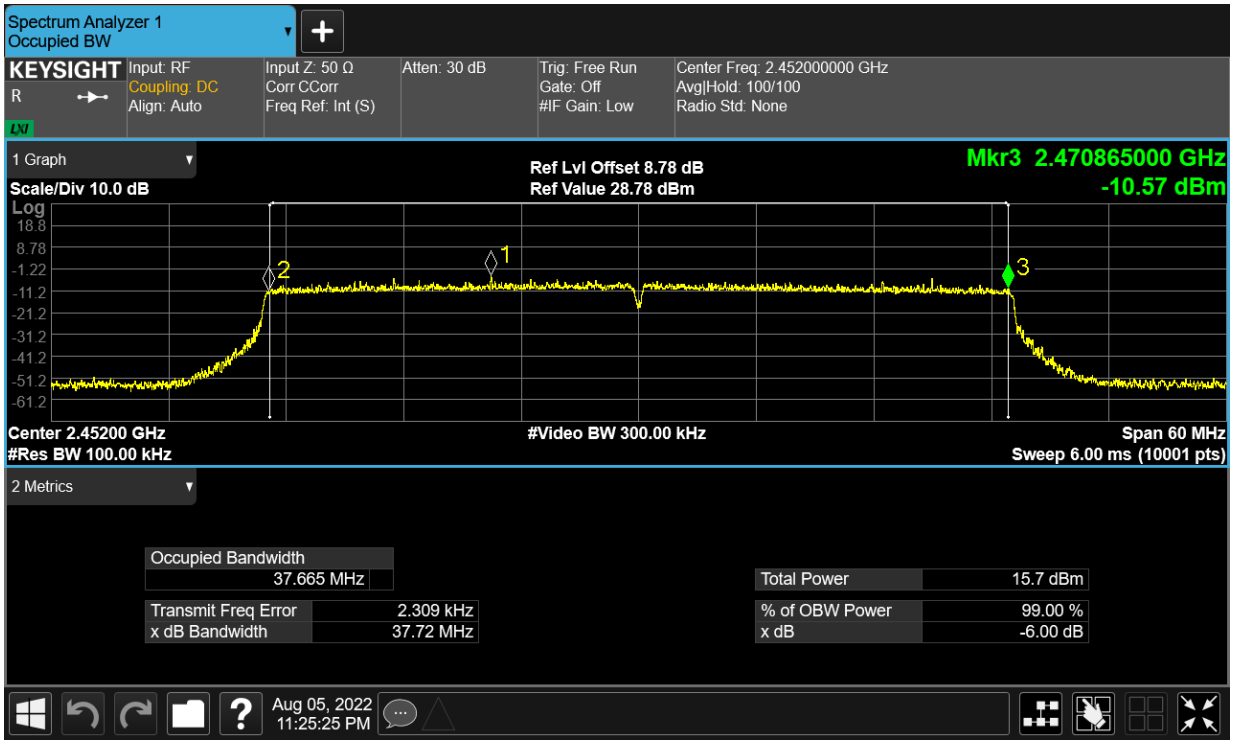
-6dB Bandwidth NVNT ax40 2437MHz Ant1



-6dB Bandwidth NVNT ax40 2437MHz Ant2



-6dB Bandwidth NVNT ax40 2452MHz Ant1



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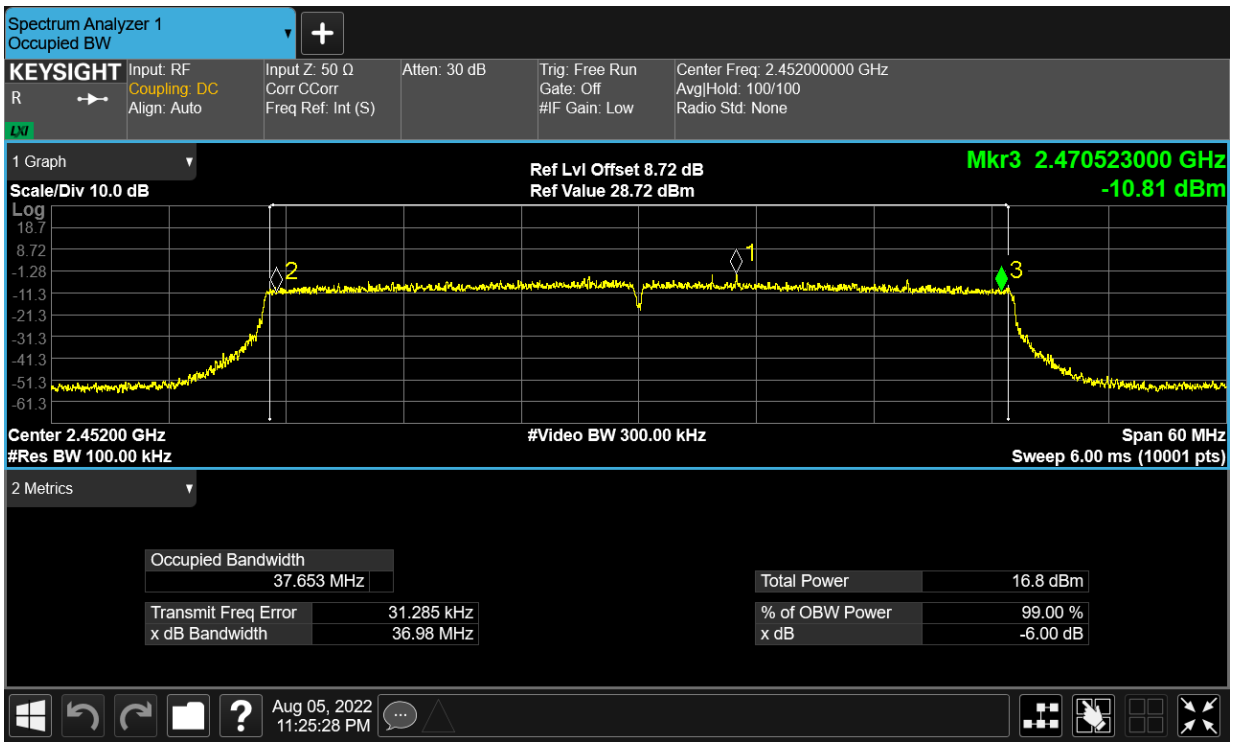

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.99360835
NVNT	b	2437	Ant1	13.12754086
NVNT	b	2462	Ant1	13.19022407
NVNT	b	2412	Ant2	12.98460109
NVNT	b	2437	Ant2	13.20088952
NVNT	b	2462	Ant2	13.22426761
NVNT	g	2412	Ant1	16.36687493
NVNT	g	2437	Ant1	16.38274221
NVNT	g	2462	Ant1	16.42123984
NVNT	g	2412	Ant2	16.34058144
NVNT	g	2437	Ant2	16.41329638
NVNT	g	2462	Ant2	16.38944178
NVNT	n20	2412	Ant1	17.7377169
NVNT	n20	2412	Ant2	17.72924818
NVNT	n20	2437	Ant1	17.76623492
NVNT	n20	2437	Ant2	17.76465655
NVNT	n20	2462	Ant1	17.77746181
NVNT	n20	2462	Ant2	17.76094128
NVNT	n40	2422	Ant1	36.08509085
NVNT	n40	2422	Ant2	36.07472182
NVNT	n40	2437	Ant1	36.0826257
NVNT	n40	2437	Ant2	36.11340888
NVNT	n40	2452	Ant1	36.0160079
NVNT	n40	2452	Ant2	35.97905386
NVNT	ax20	2412	Ant1	18.9035444
NVNT	ax20	2412	Ant2	18.87582255
NVNT	ax20	2437	Ant1	18.93186146
NVNT	ax20	2437	Ant2	18.91687611
NVNT	ax20	2462	Ant1	18.94597463
NVNT	ax20	2462	Ant2	18.92003217
NVNT	ax40	2422	Ant1	37.79272601
NVNT	ax40	2422	Ant2	37.70282238
NVNT	ax40	2437	Ant1	37.74993698
NVNT	ax40	2437	Ant2	37.75272361
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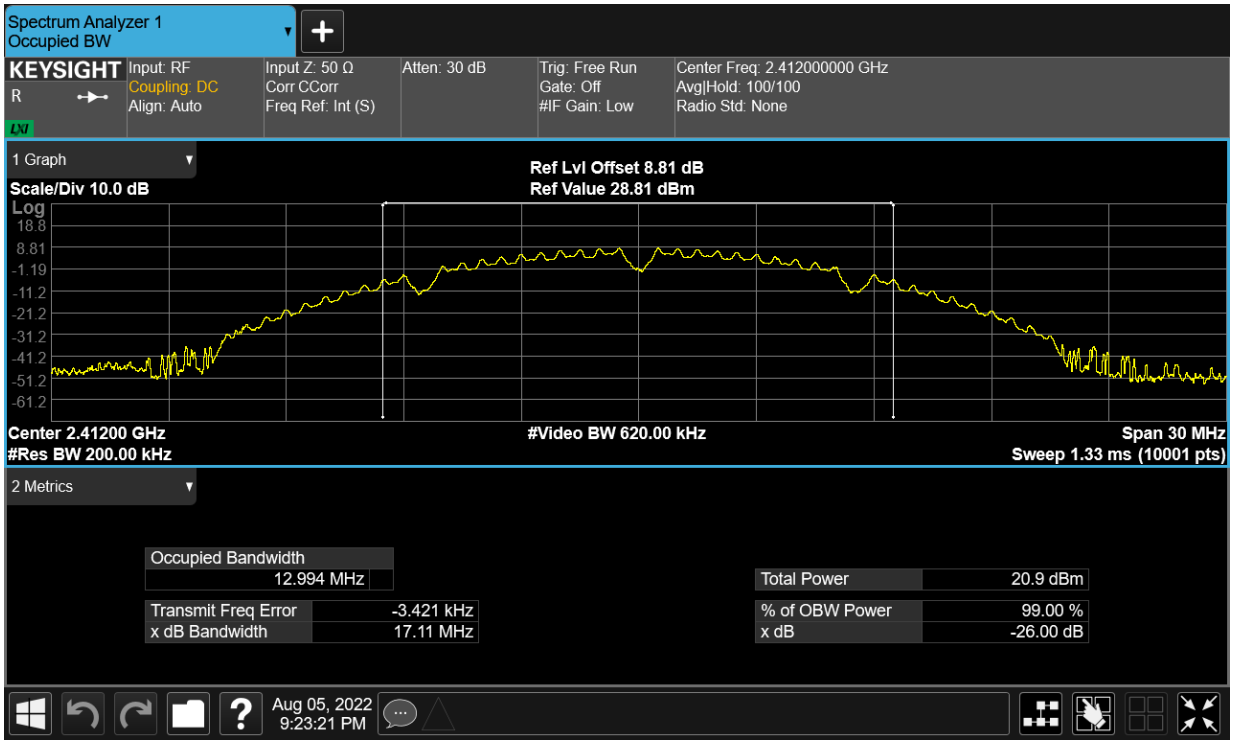
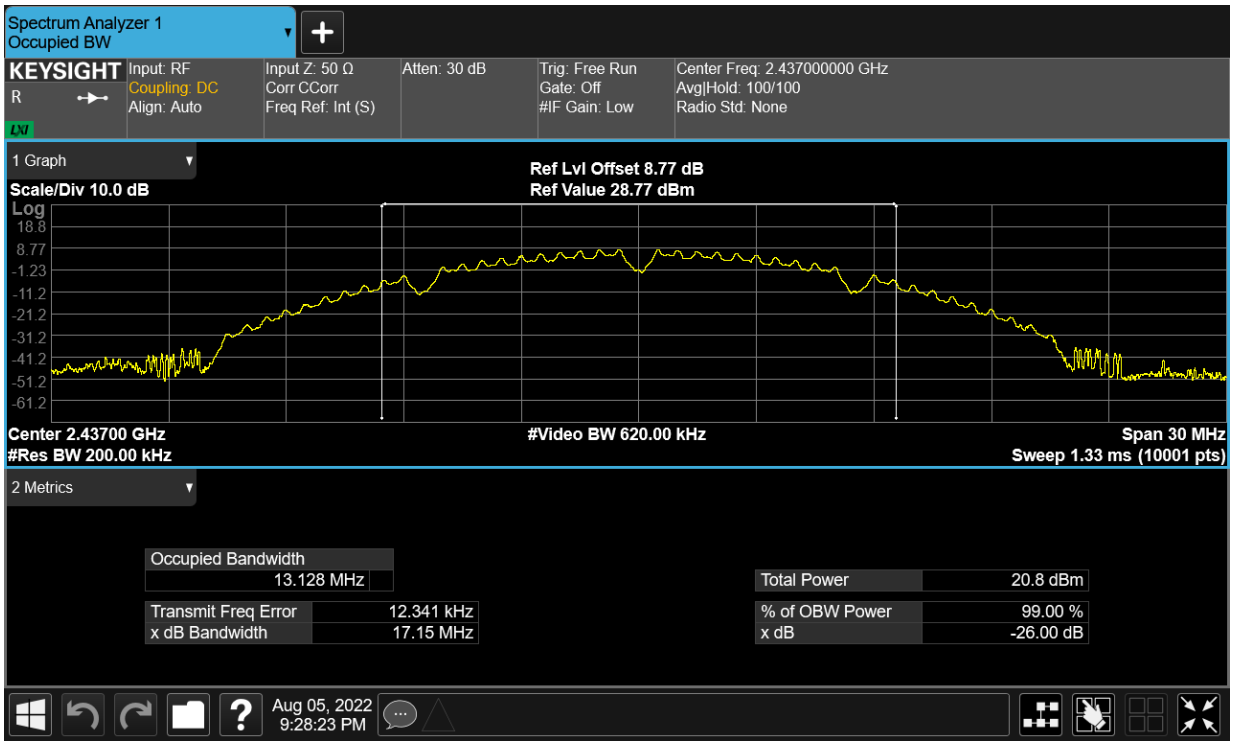
NVNT	ax40	2452	Ant2	37.62722502

Test Graphs

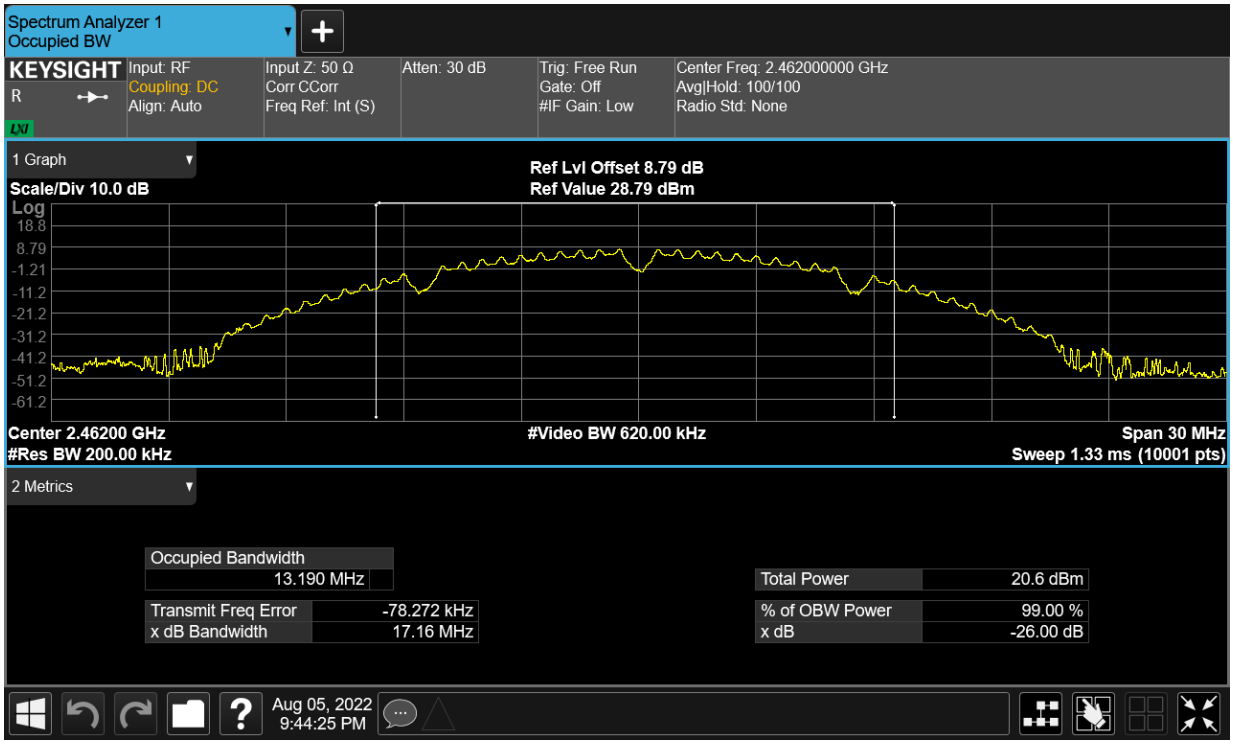
OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1

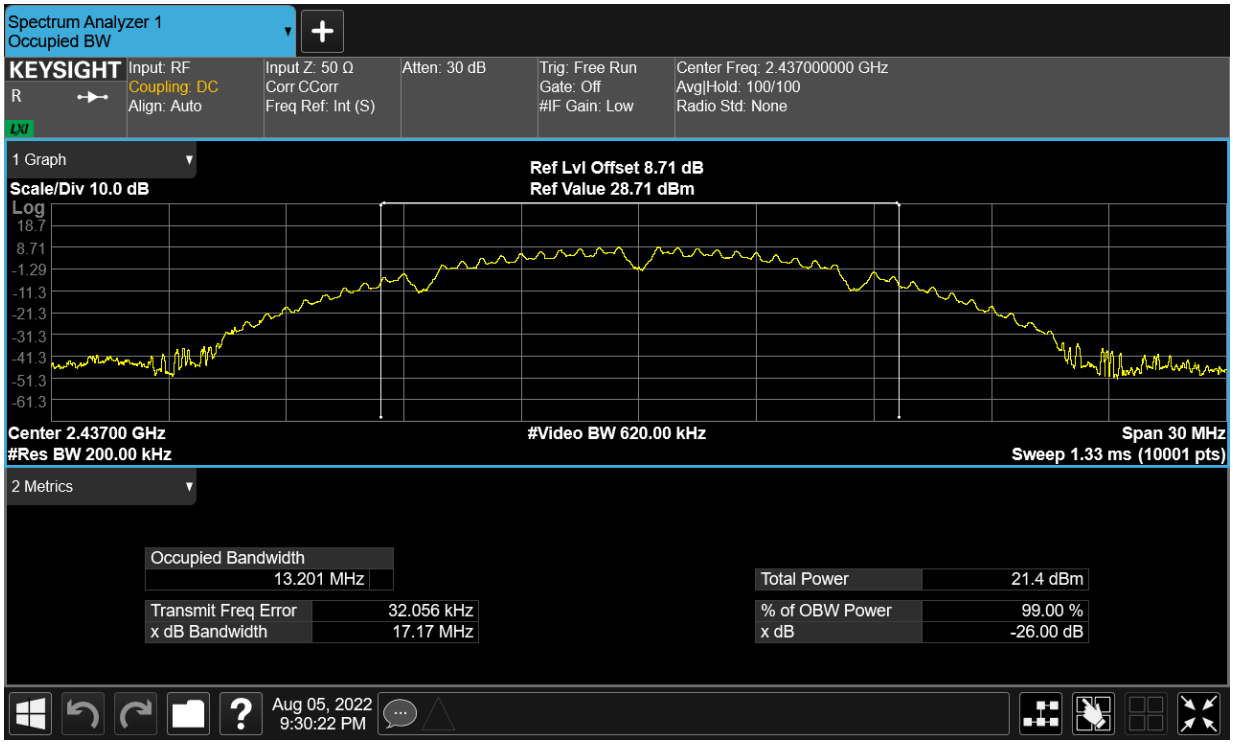


OBW NVNT b 2462MHz Ant1

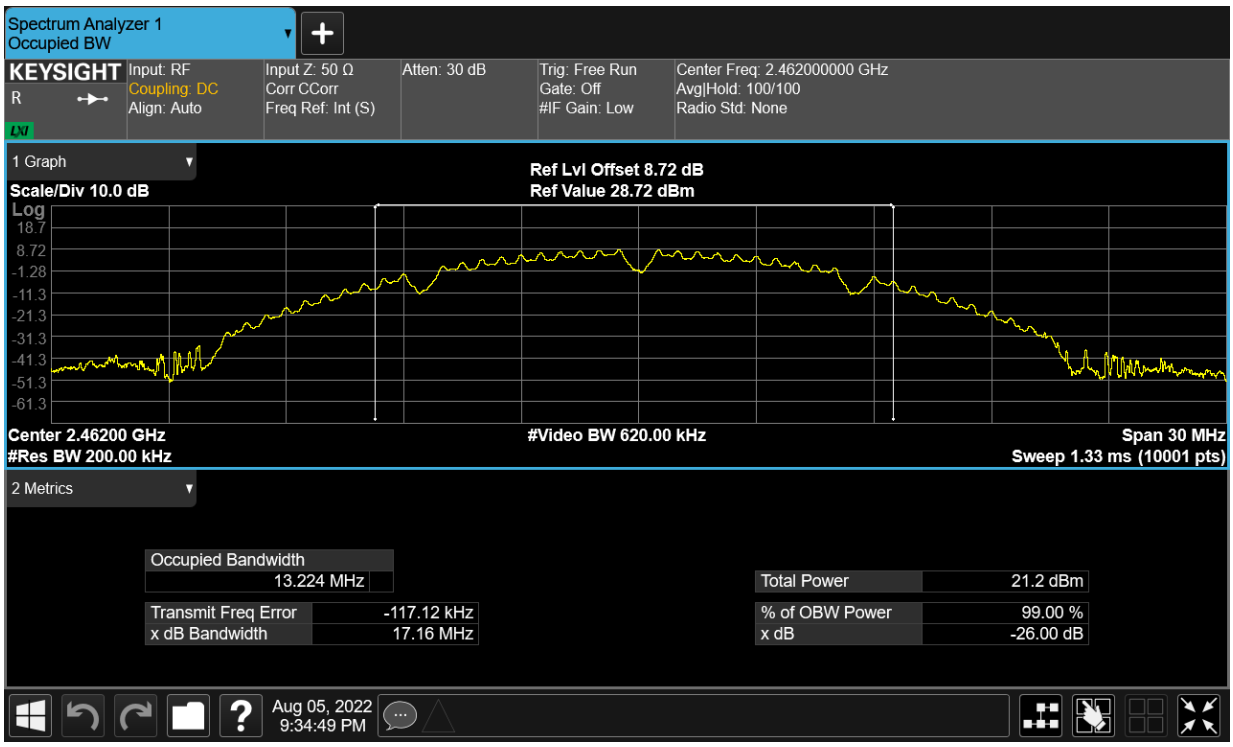


OBW NVNT b 2412MHz Ant2

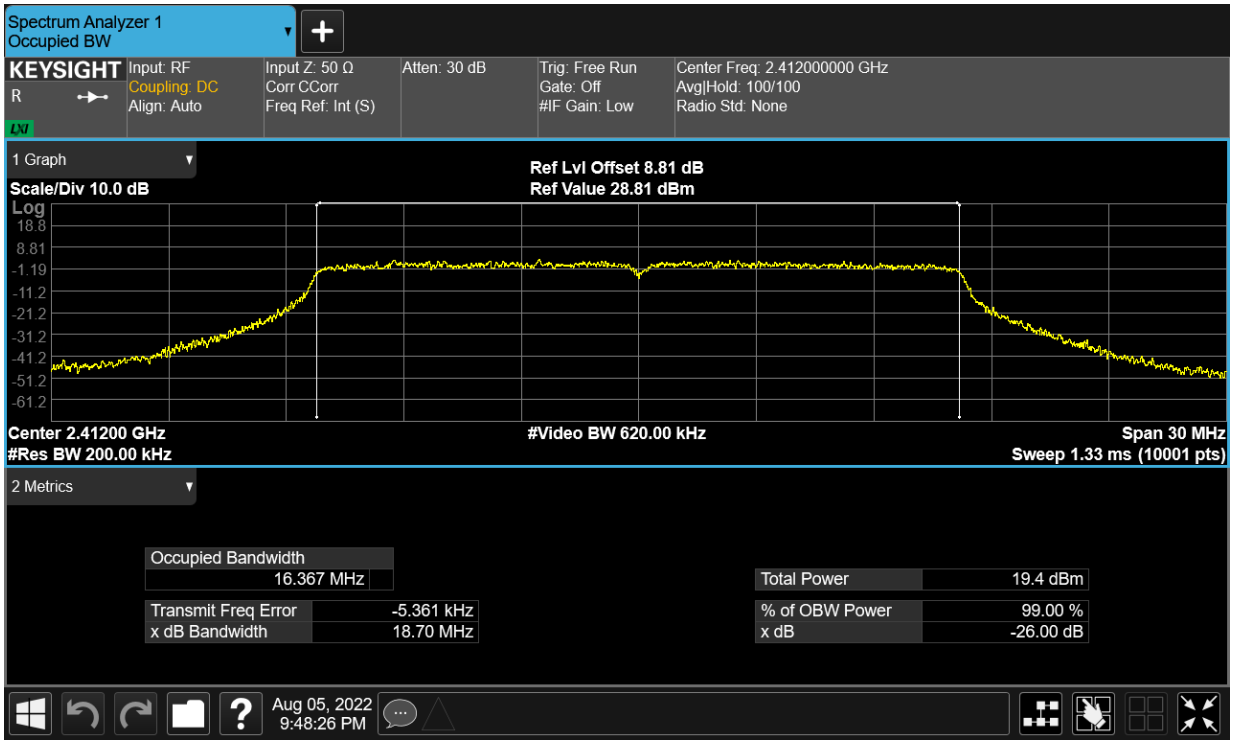
OBW NVNT b 2437MHz Ant2



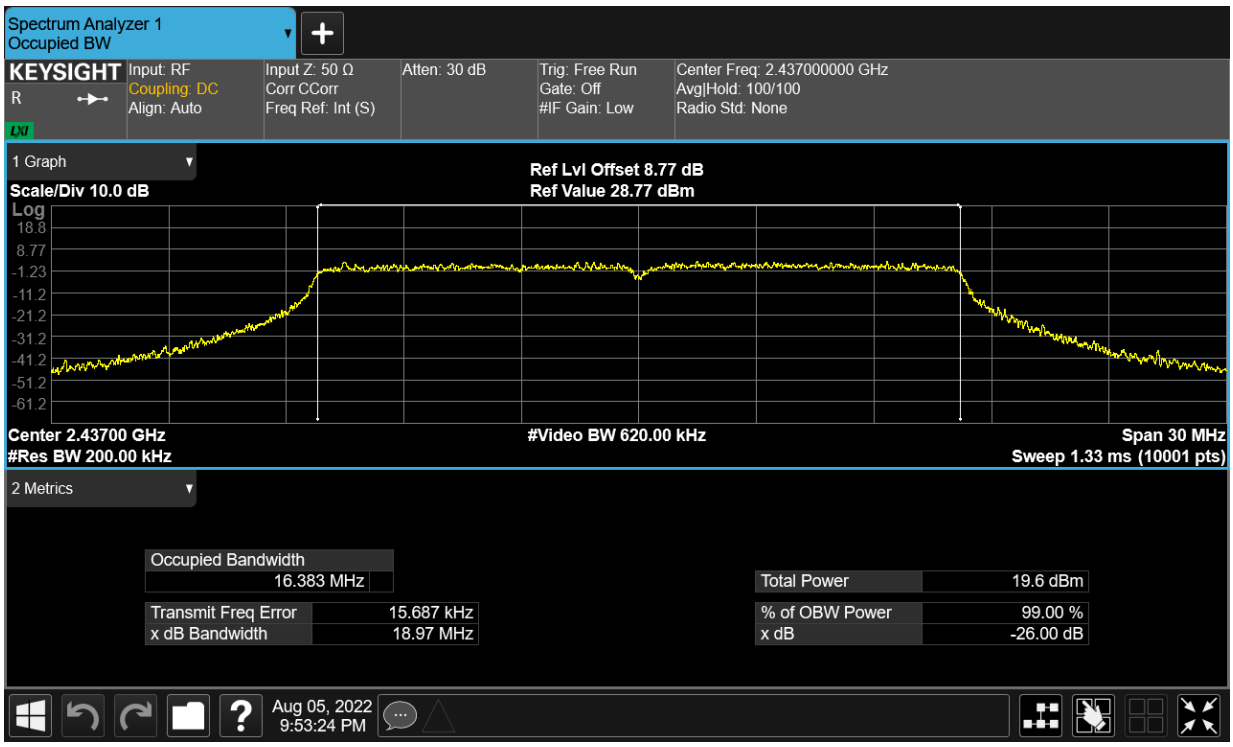
OBW NVNT b 2462MHz Ant2



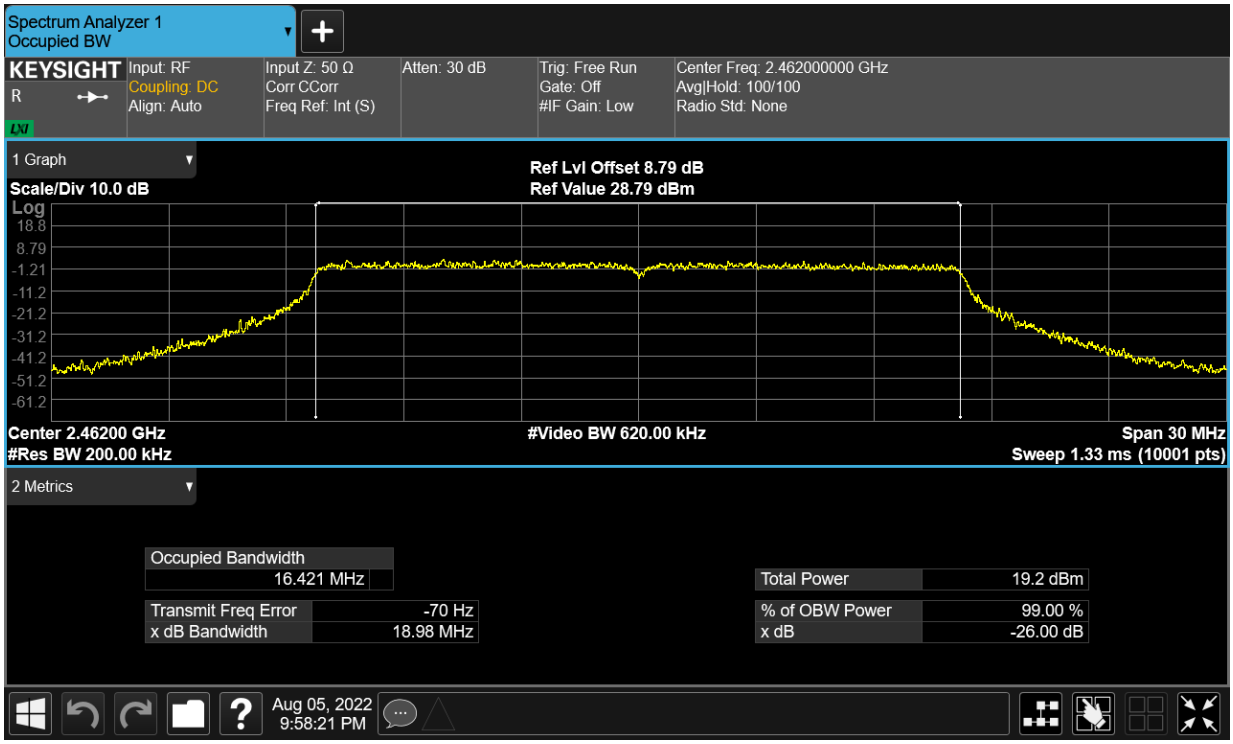
OBW NVNT g 2412MHz Ant1



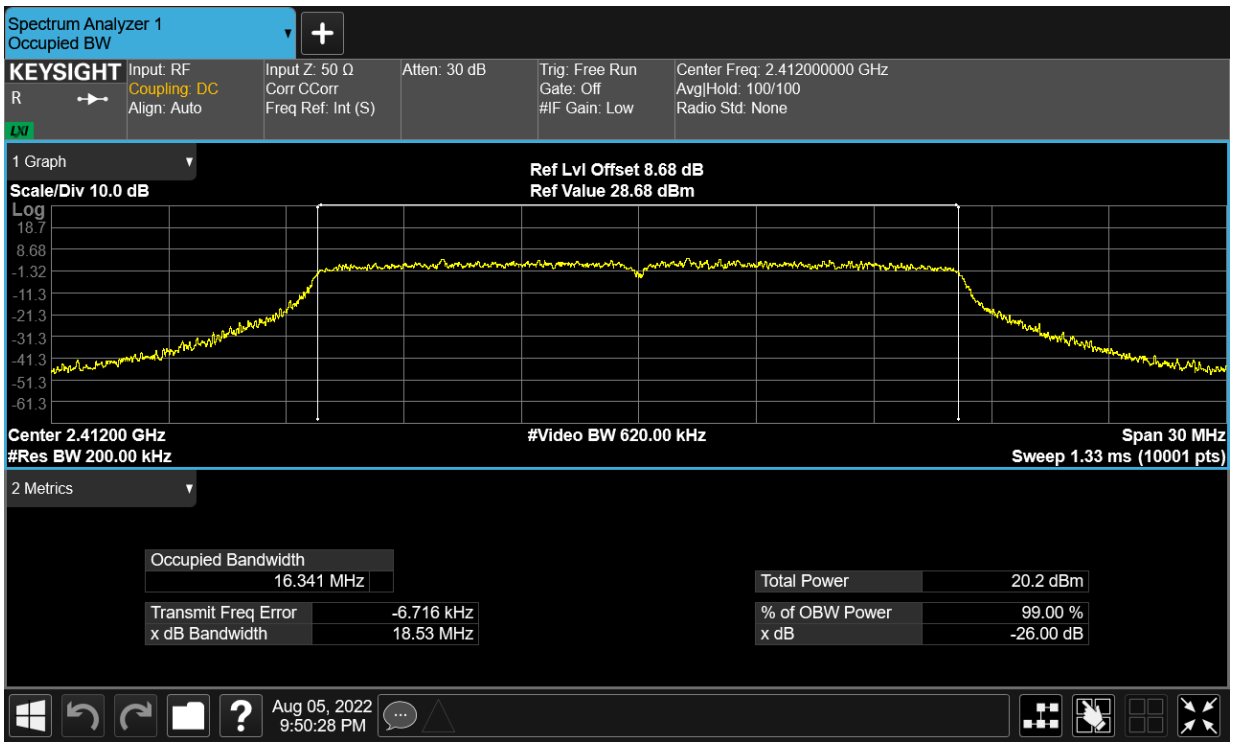
OBW NVNT g 2437MHz Ant1



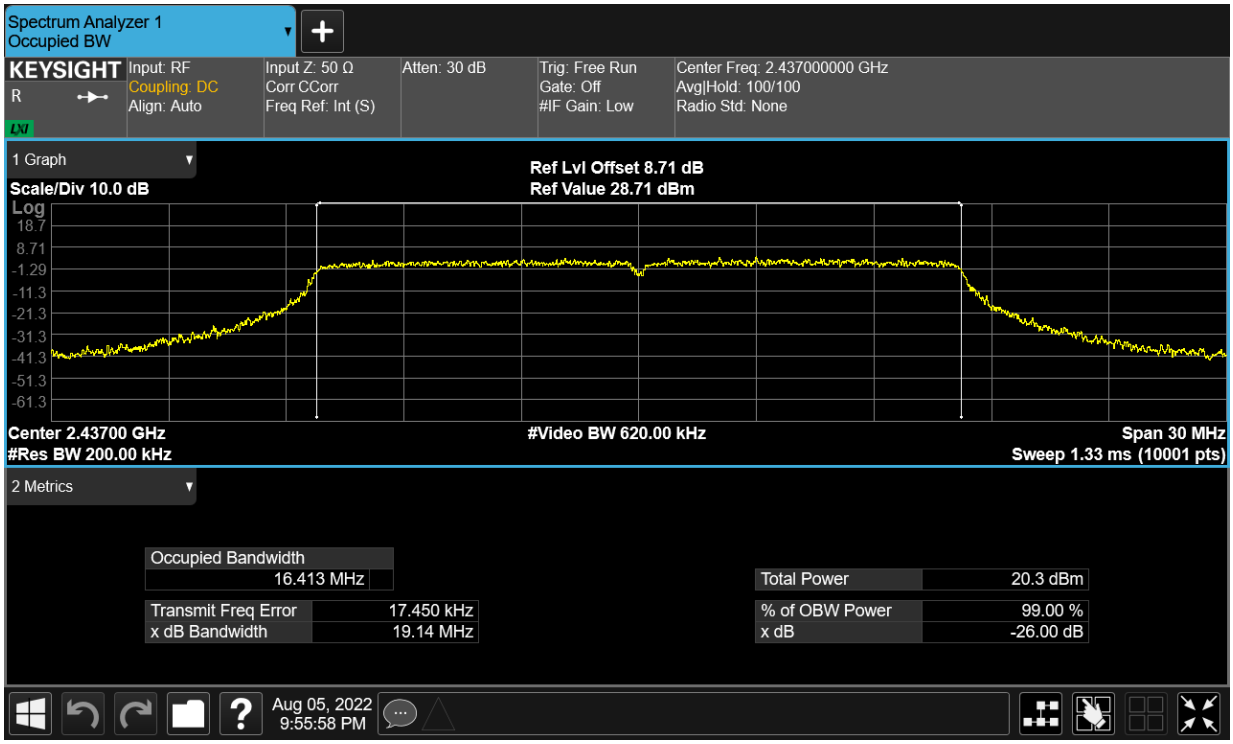
OBW NVNT g 2462MHz Ant1



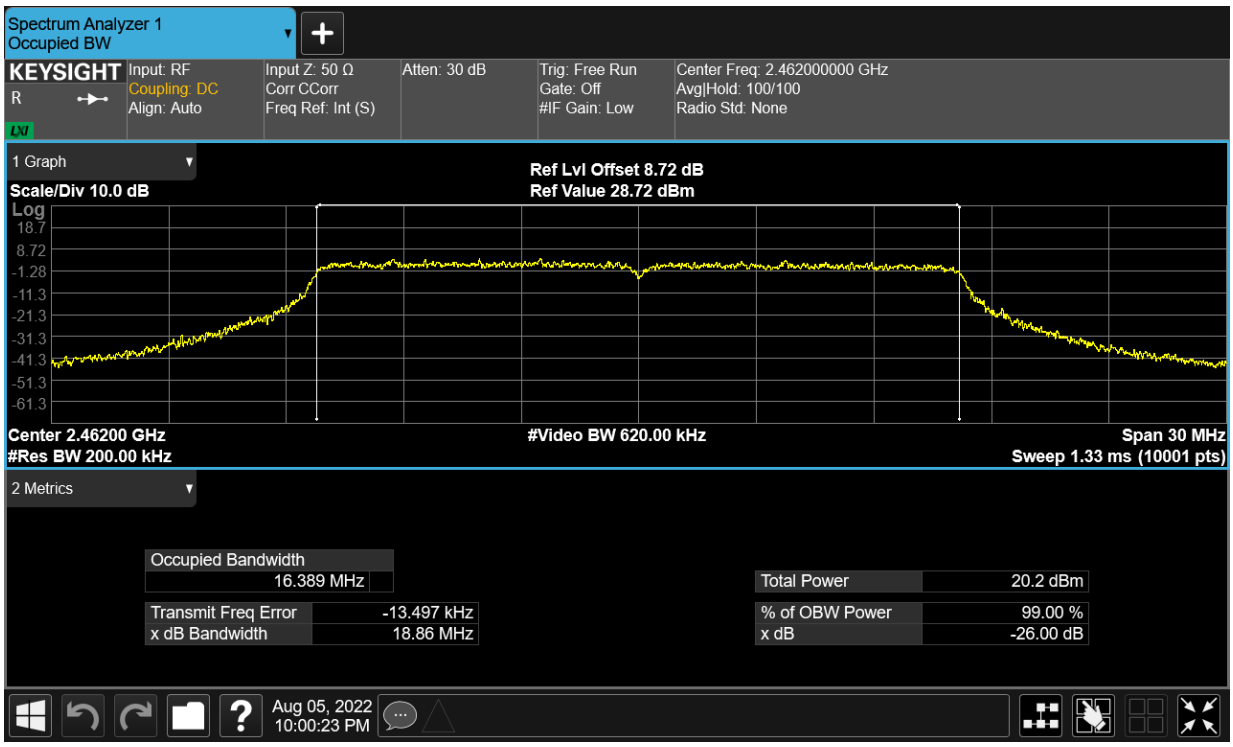
OBW NVNT g 2412MHz Ant2



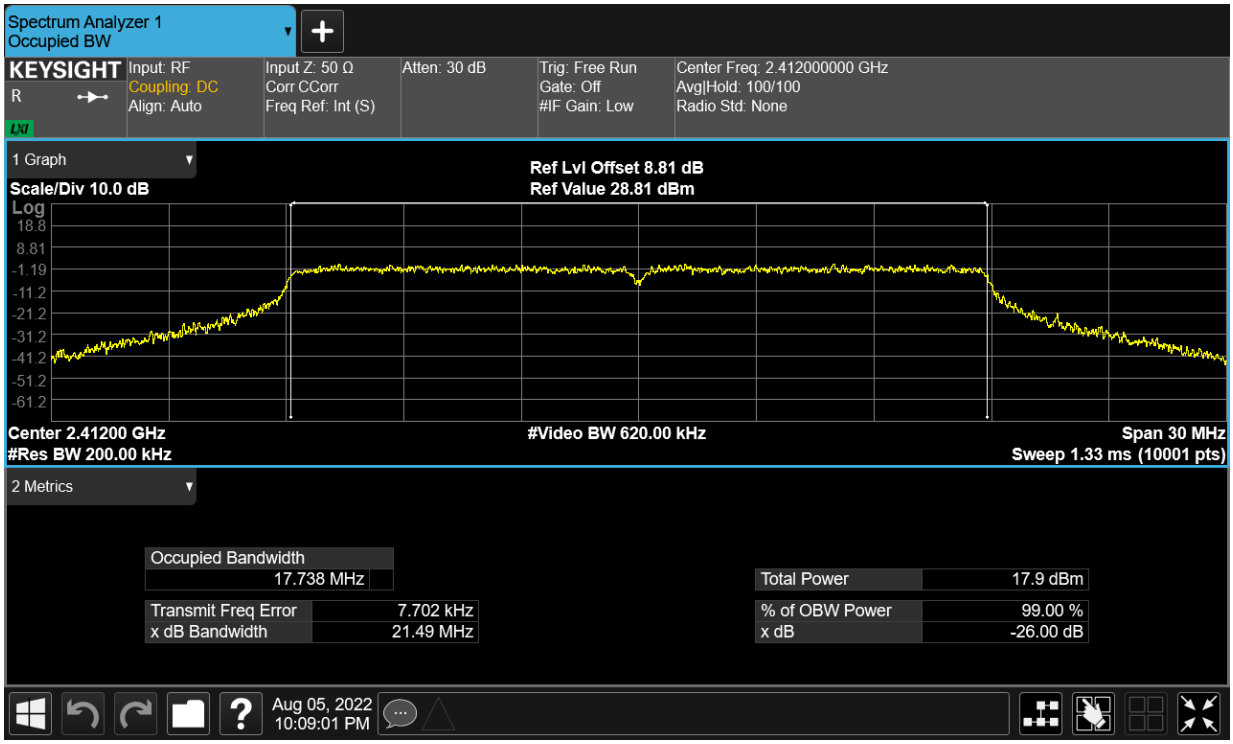
OBW NVNT g 2437MHz Ant2



OBW NVNT g 2462MHz Ant2



OBW NVNT n20 2412MHz Ant1



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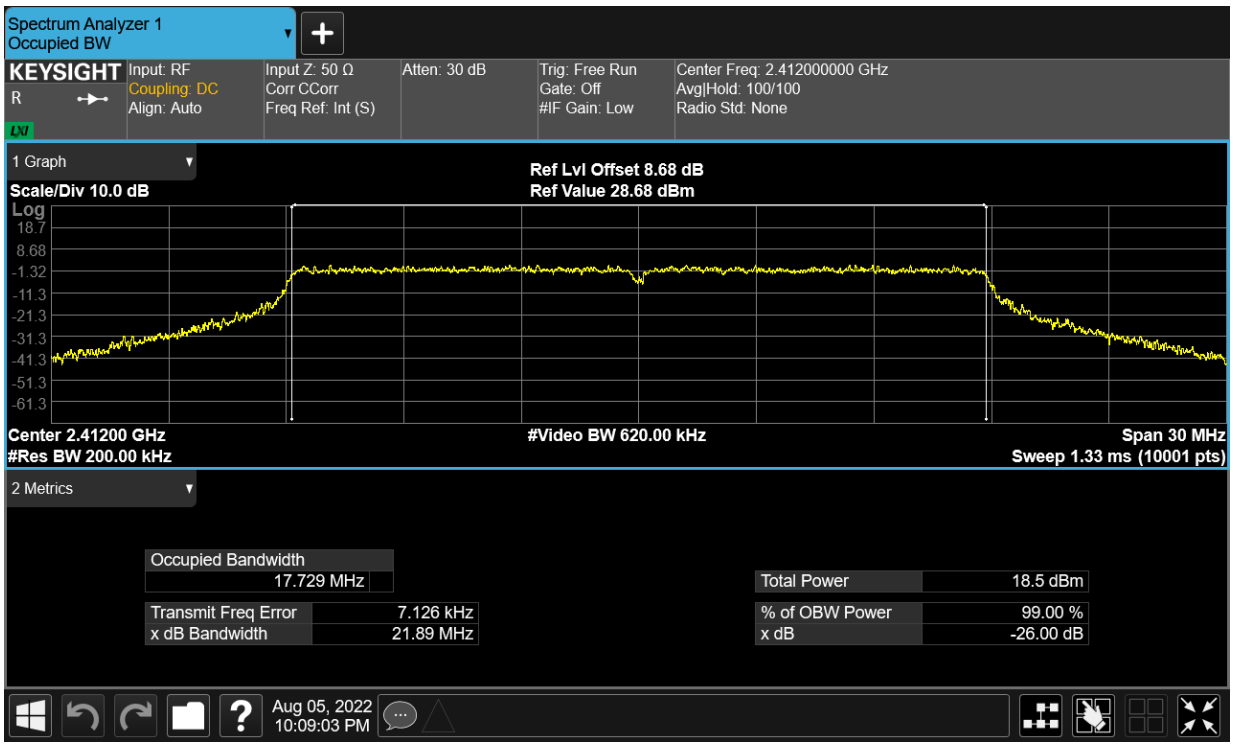

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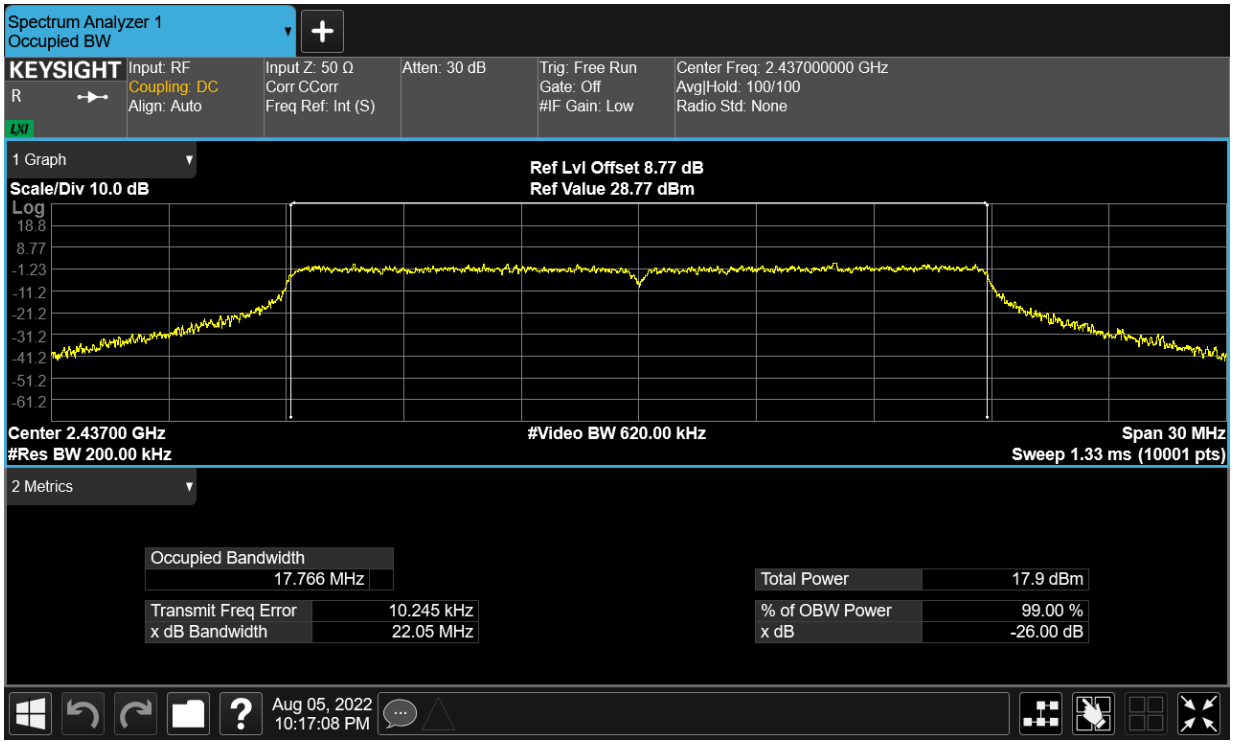

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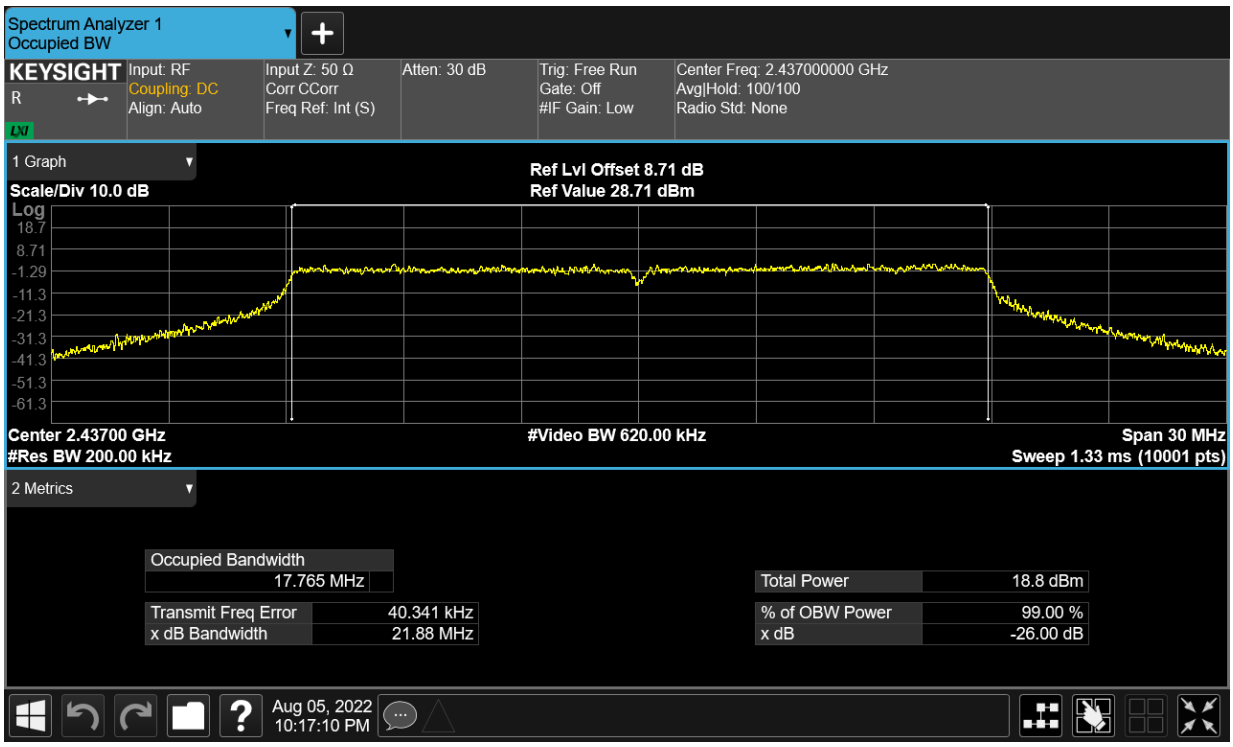

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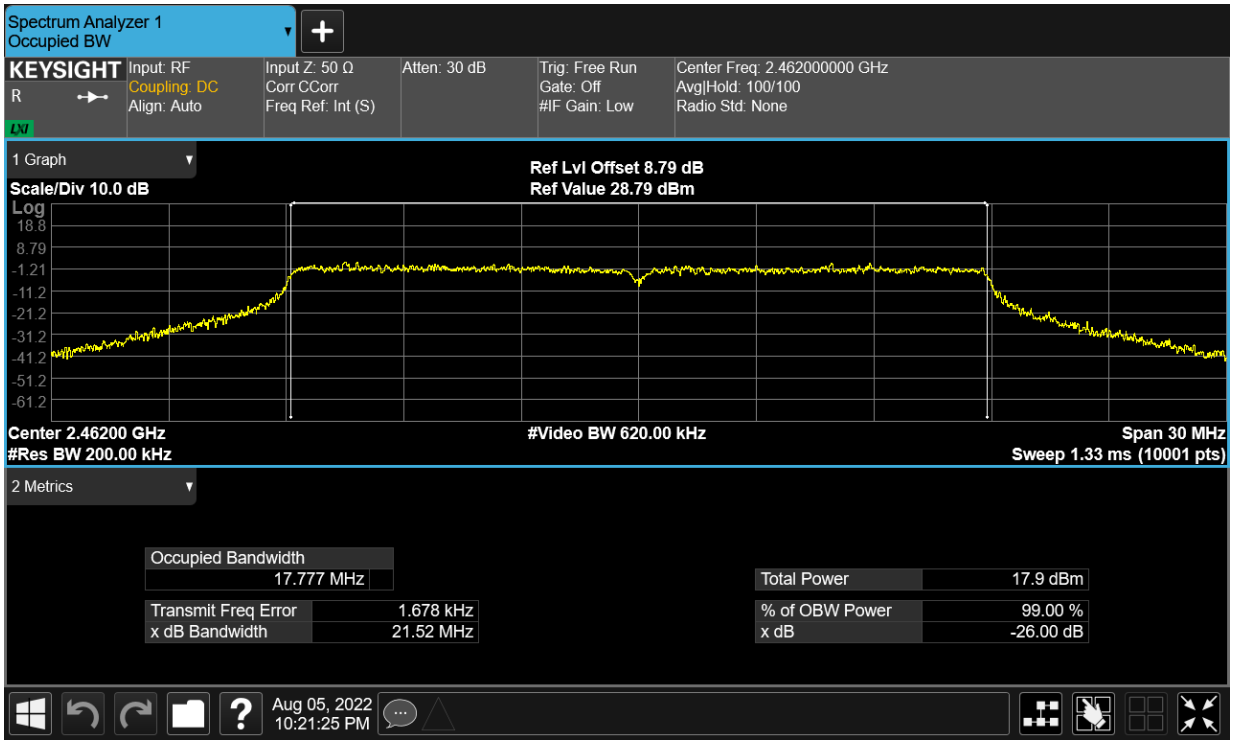

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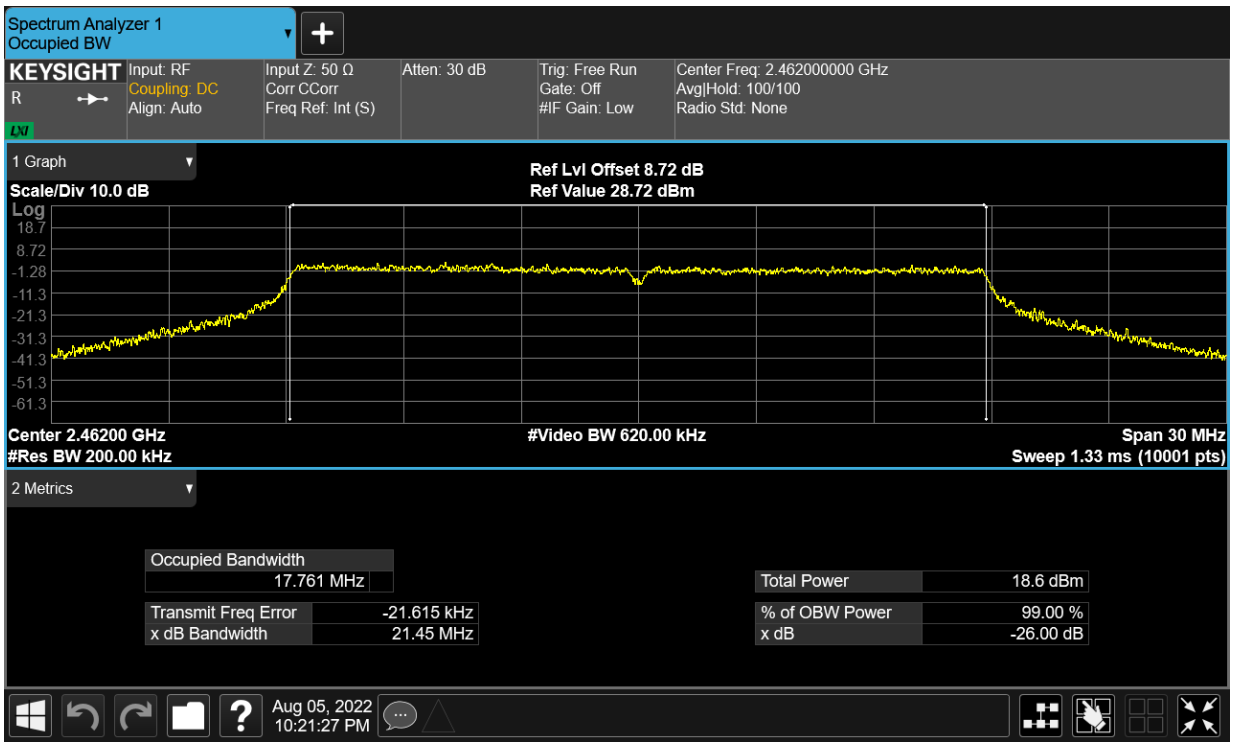
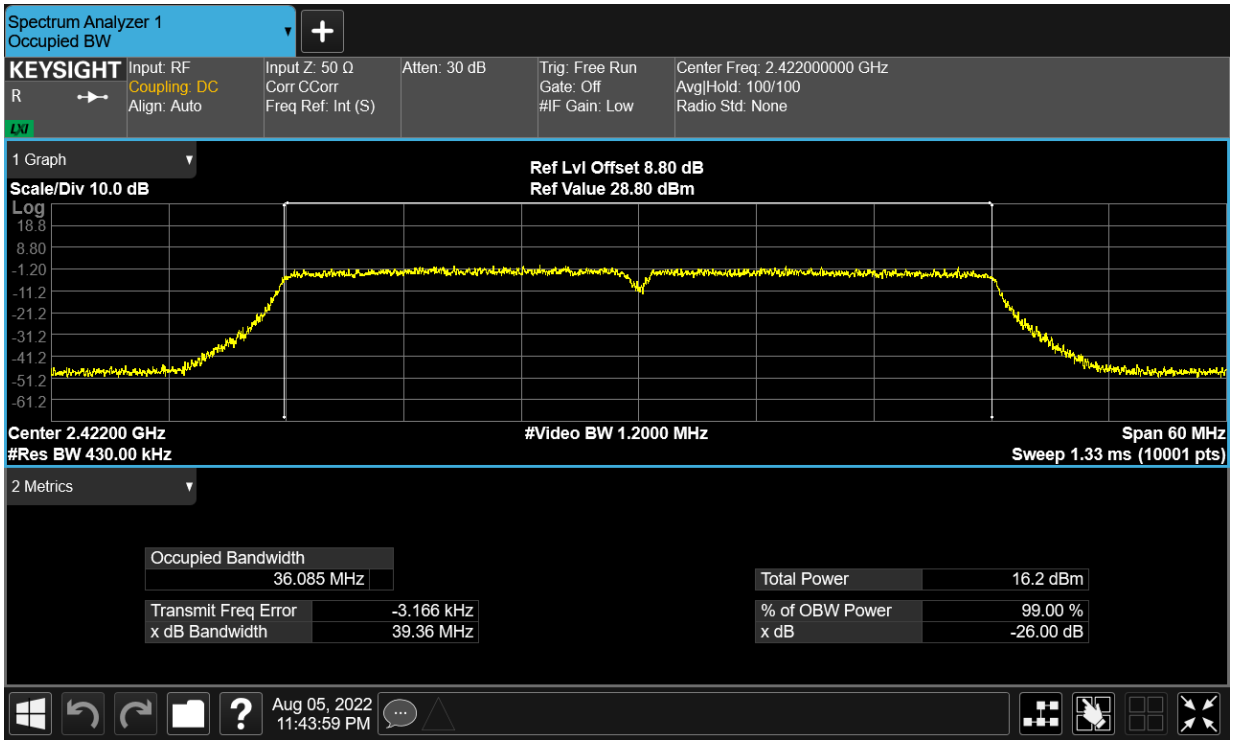


OBW NVNT n40 2422MHz Ant1



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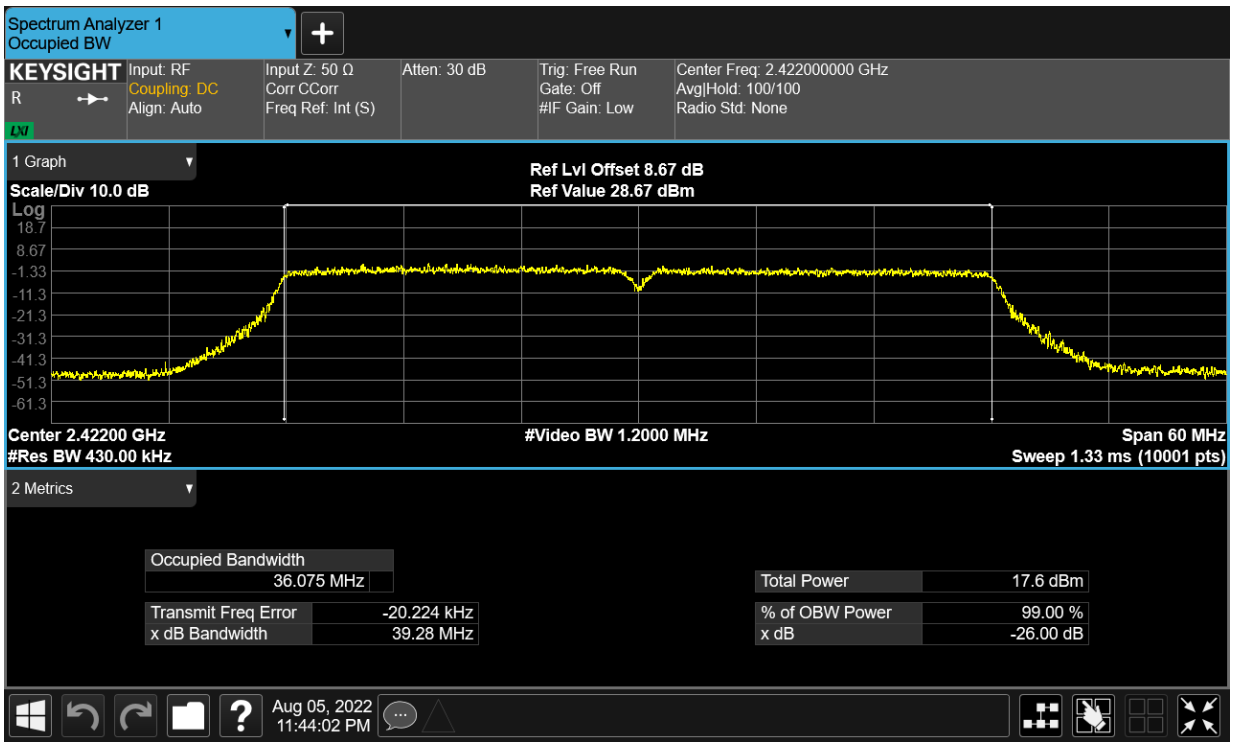

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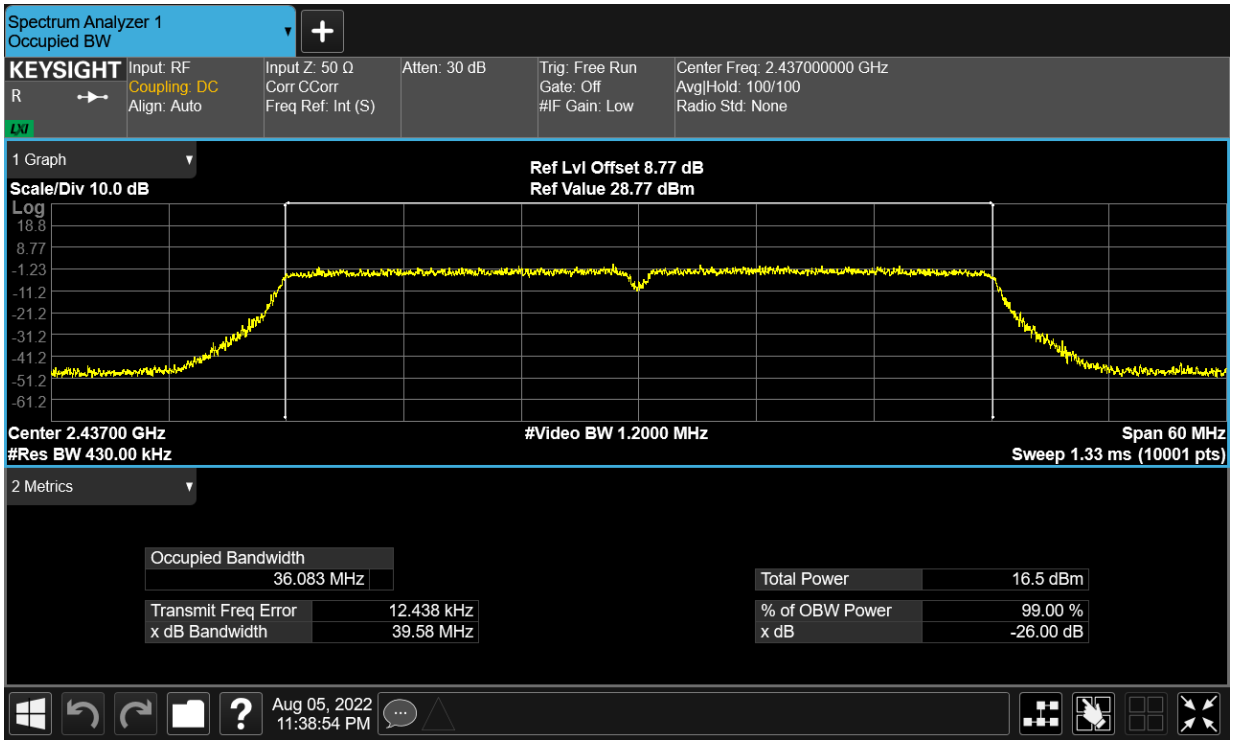

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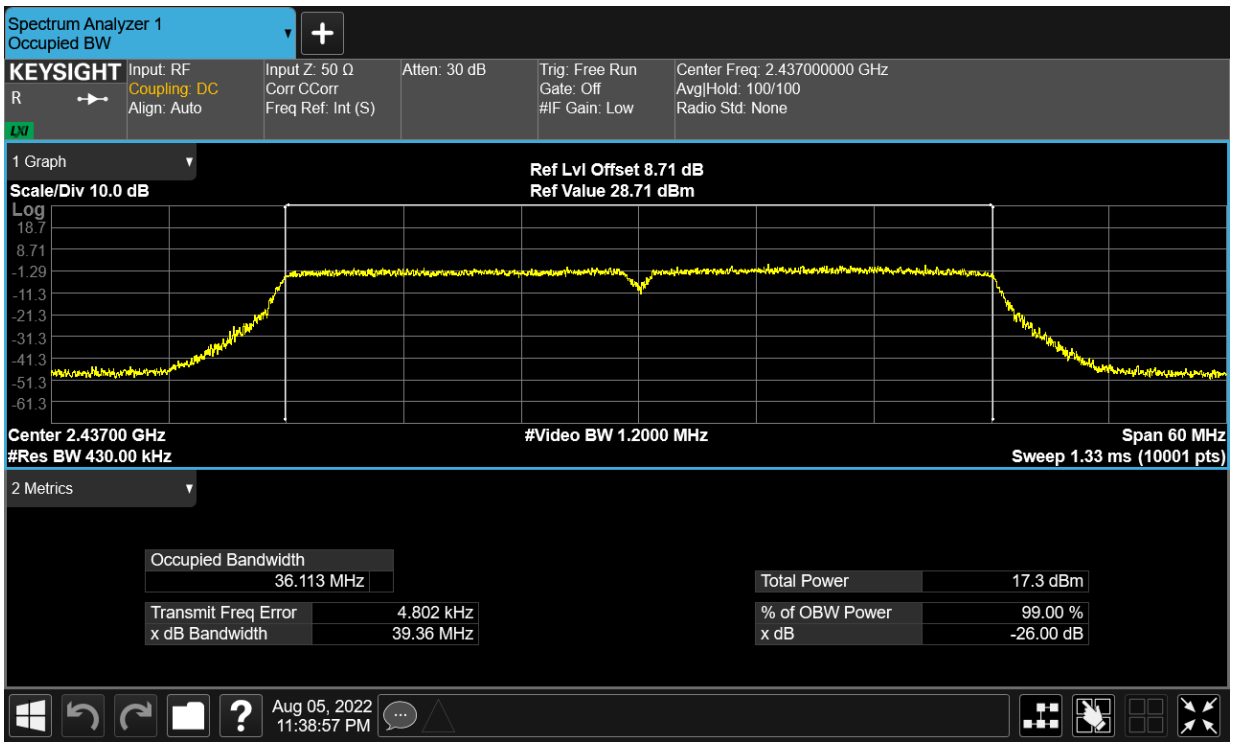

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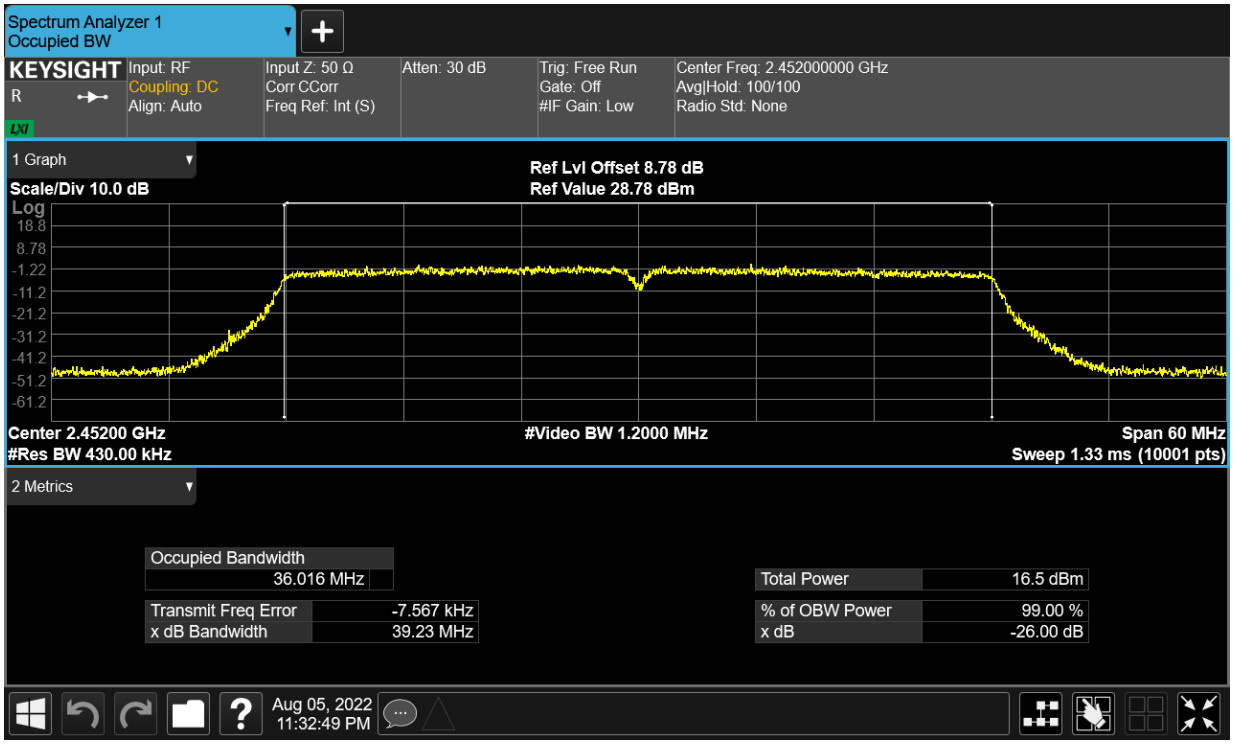
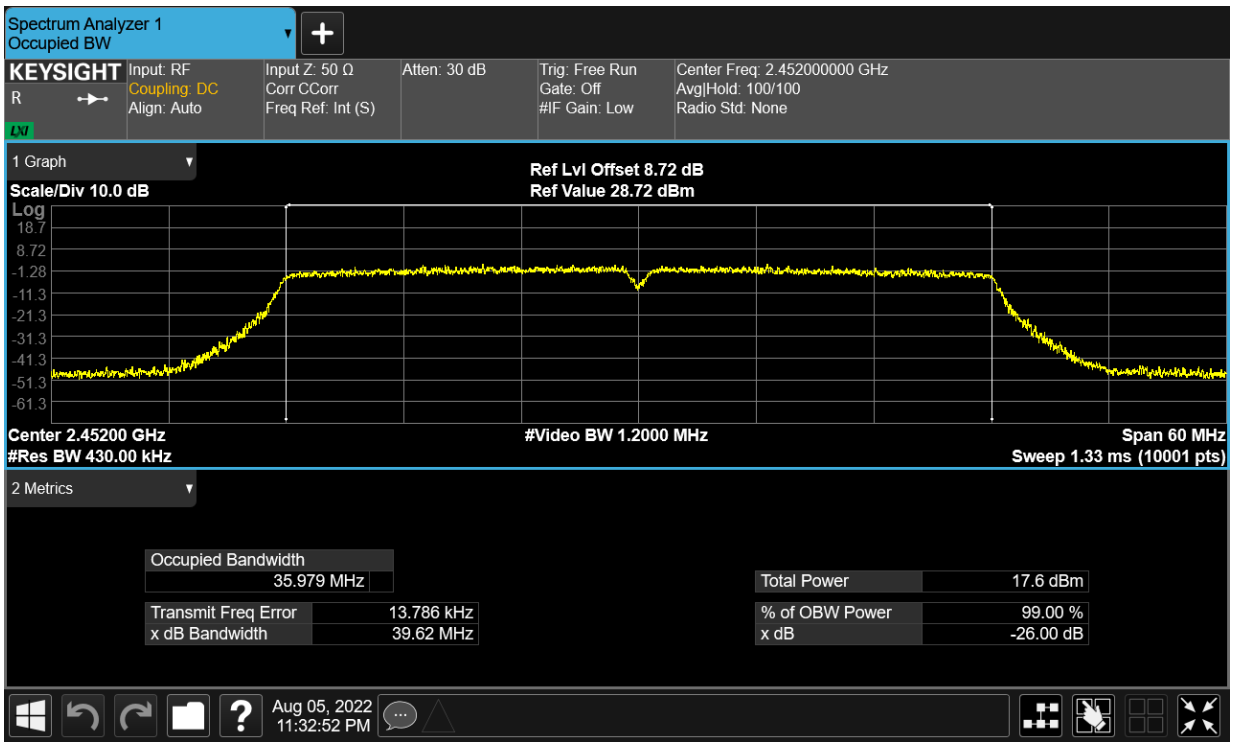
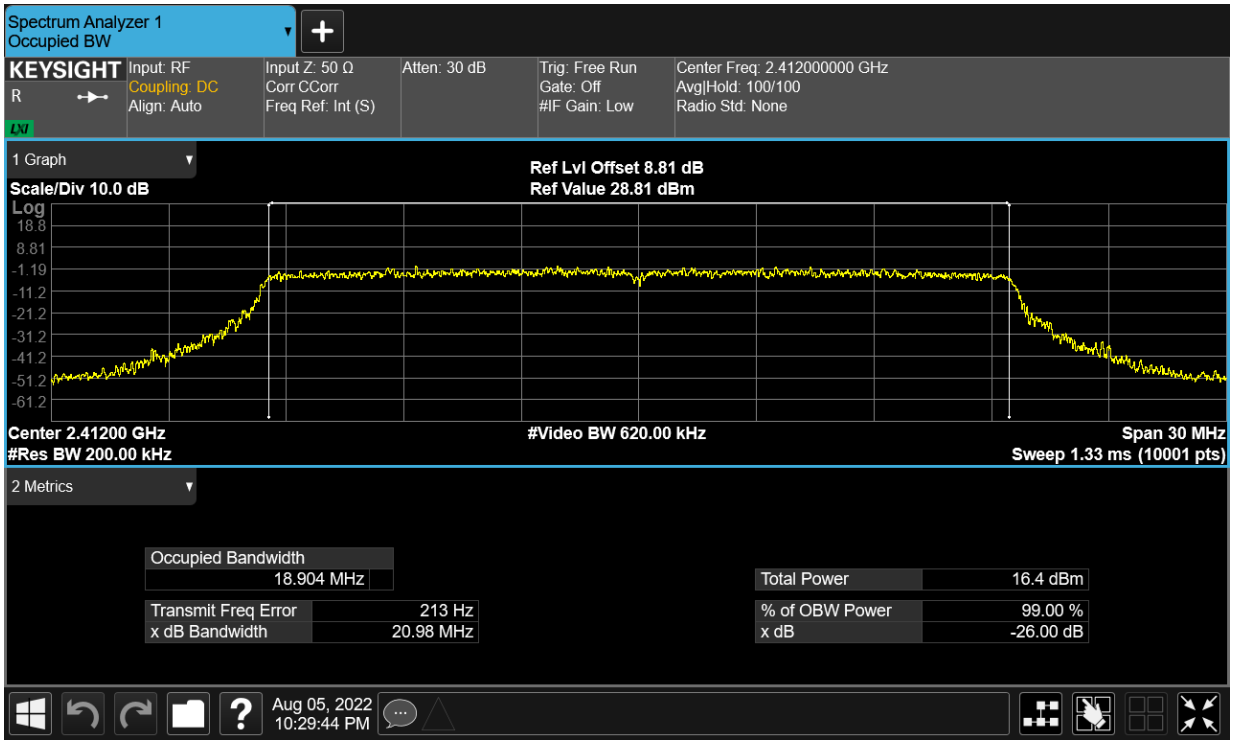


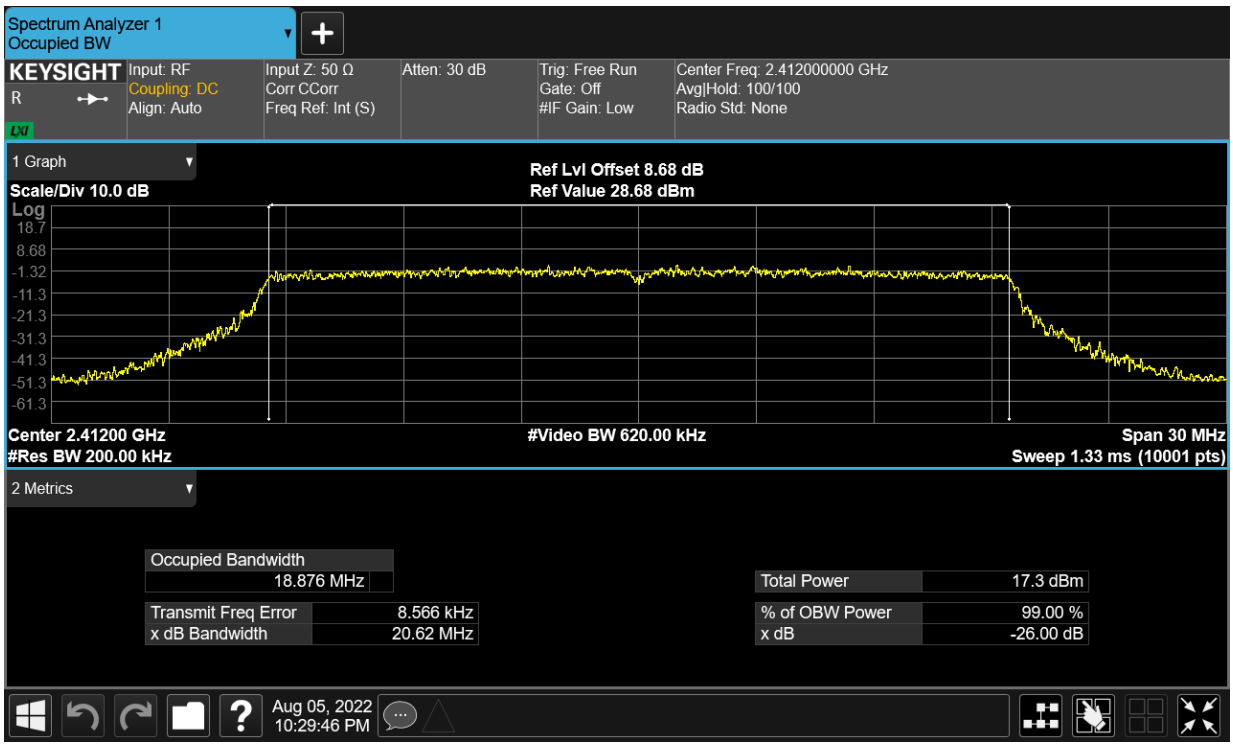
OBW NVNT n40 2452MHz Ant2



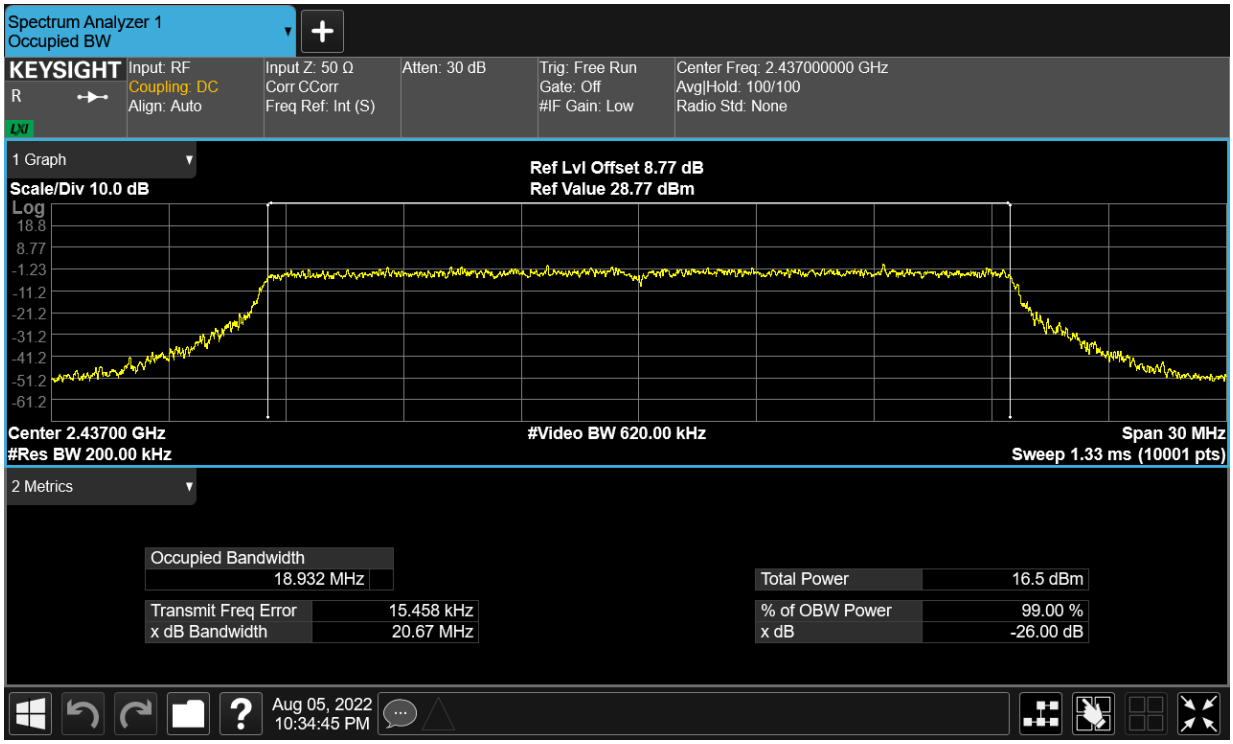
OBW NVNT ax20 2412MHz Ant1



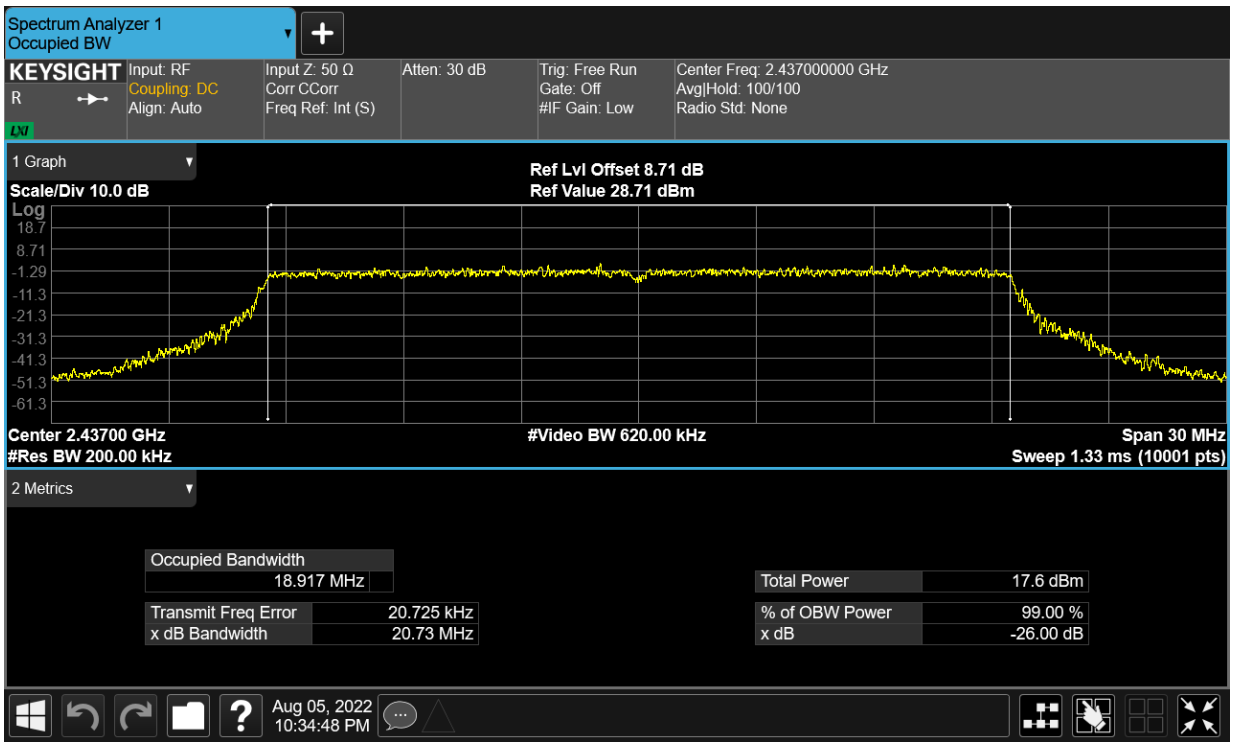
OBW NVNT ax20 2412MHz Ant2



OBW NVNT ax20 2437MHz Ant1



OBW NVNT ax20 2437MHz Ant2



OBW NVNT ax20 2462MHz Ant1