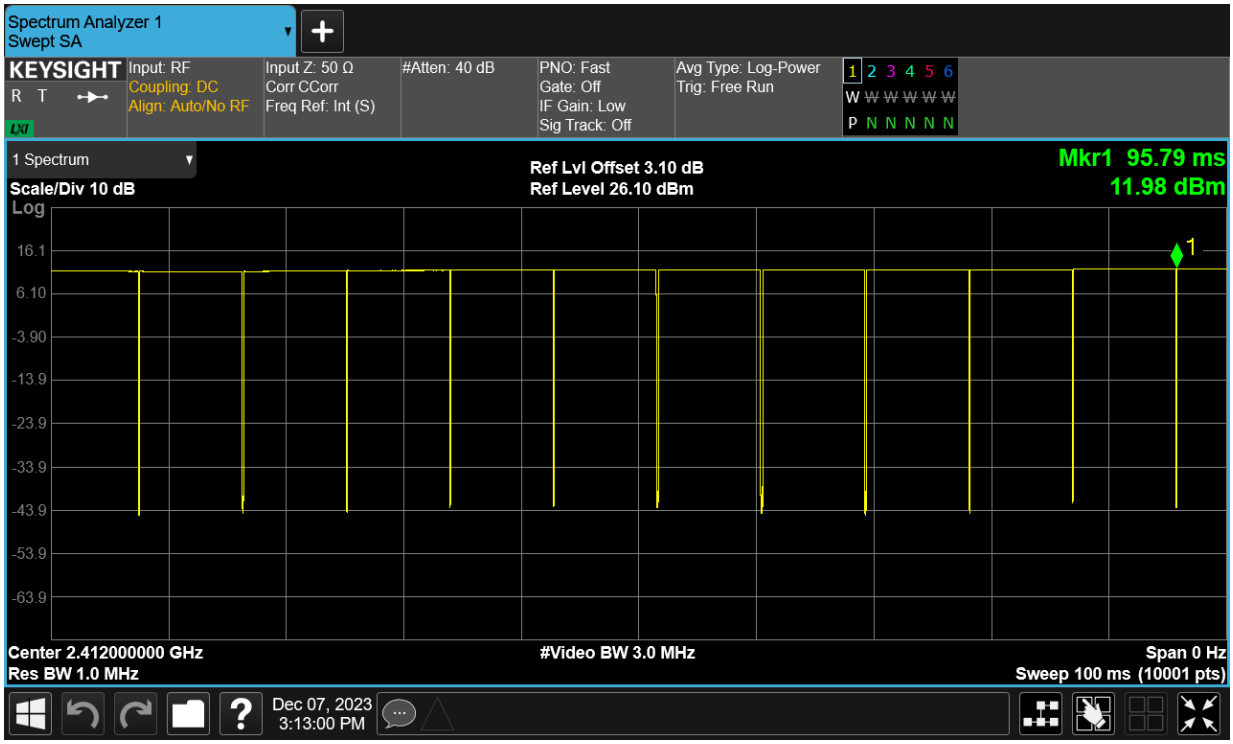
Test Data

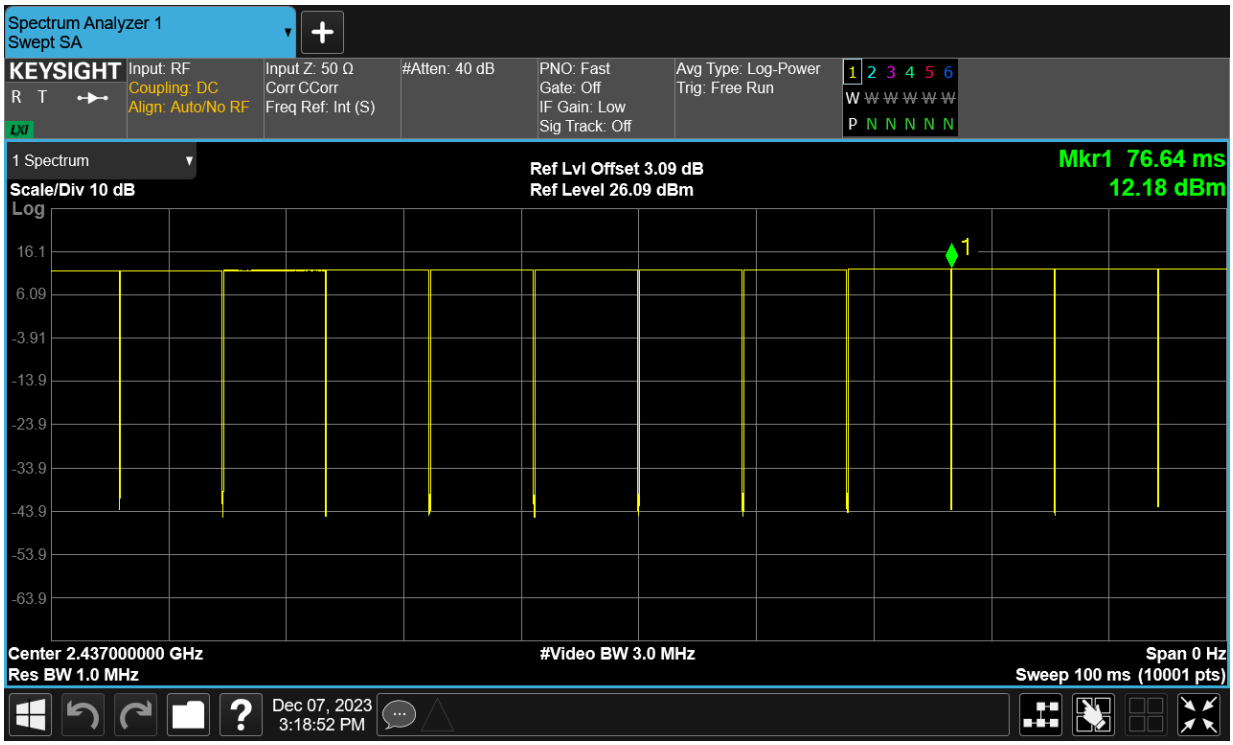
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	98.74	0.06
NVNT	b	2437	Ant1	98.64	0.06
NVNT	b	2462	Ant1	98.75	0.05
NVNT	b	2412	Ant2	98.5	0.07
NVNT	b	2437	Ant2	98.7	0.06
NVNT	b	2462	Ant2	98.72	0.06
NVNT	g	2412	Ant1	91.75	0.37
NVNT	g	2437	Ant1	91.3	0.4
NVNT	g	2462	Ant1	91.66	0.38
NVNT	g	2412	Ant2	91.43	0.39
NVNT	g	2437	Ant2	91.64	0.38
NVNT	g	2462	Ant2	91.2	0.4
NVNT	n20	2412	Sum	83.89	0.76
NVNT	n20	2437	Sum	84.16	0.75
NVNT	n20	2462	Sum	83.84	0.77
NVNT	n40	2422	Sum	72.28	1.41
NVNT	n40	2437	Sum	72.34	1.41
NVNT	n40	2452	Sum	72.31	1.41

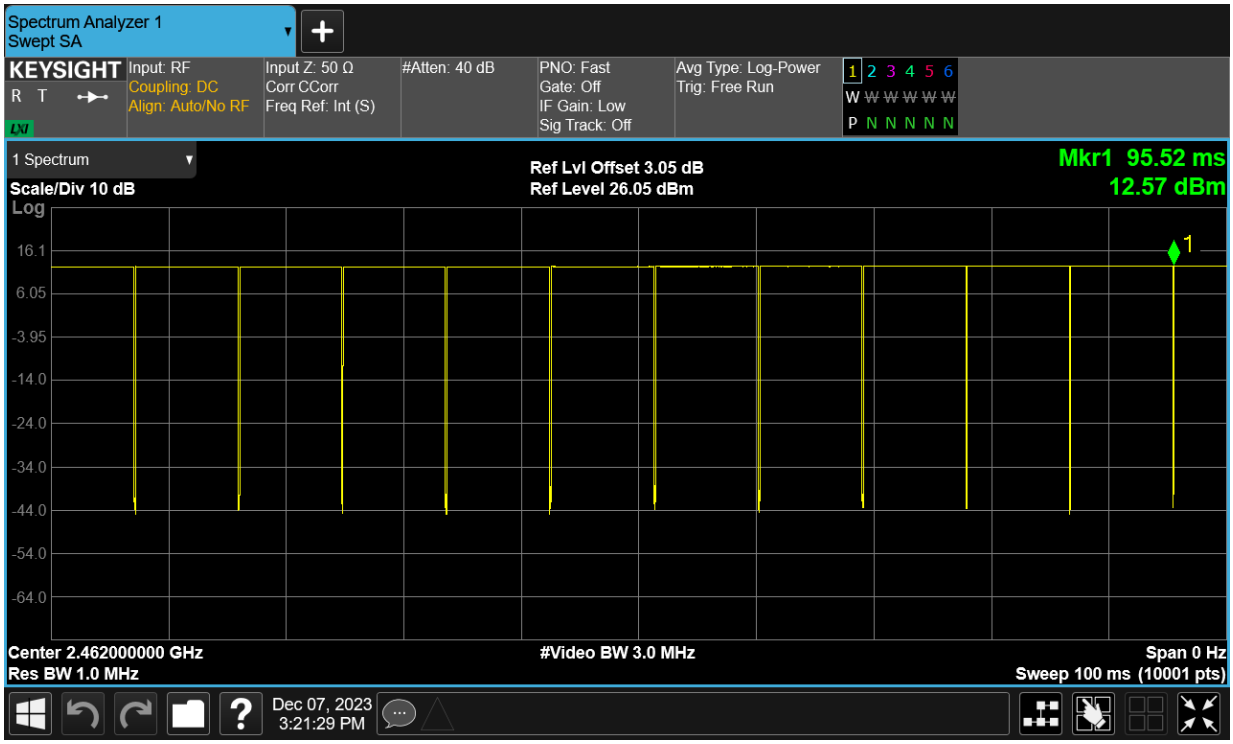
Test Graphs
Duty Cycle NVNT b 2412MHz Ant1



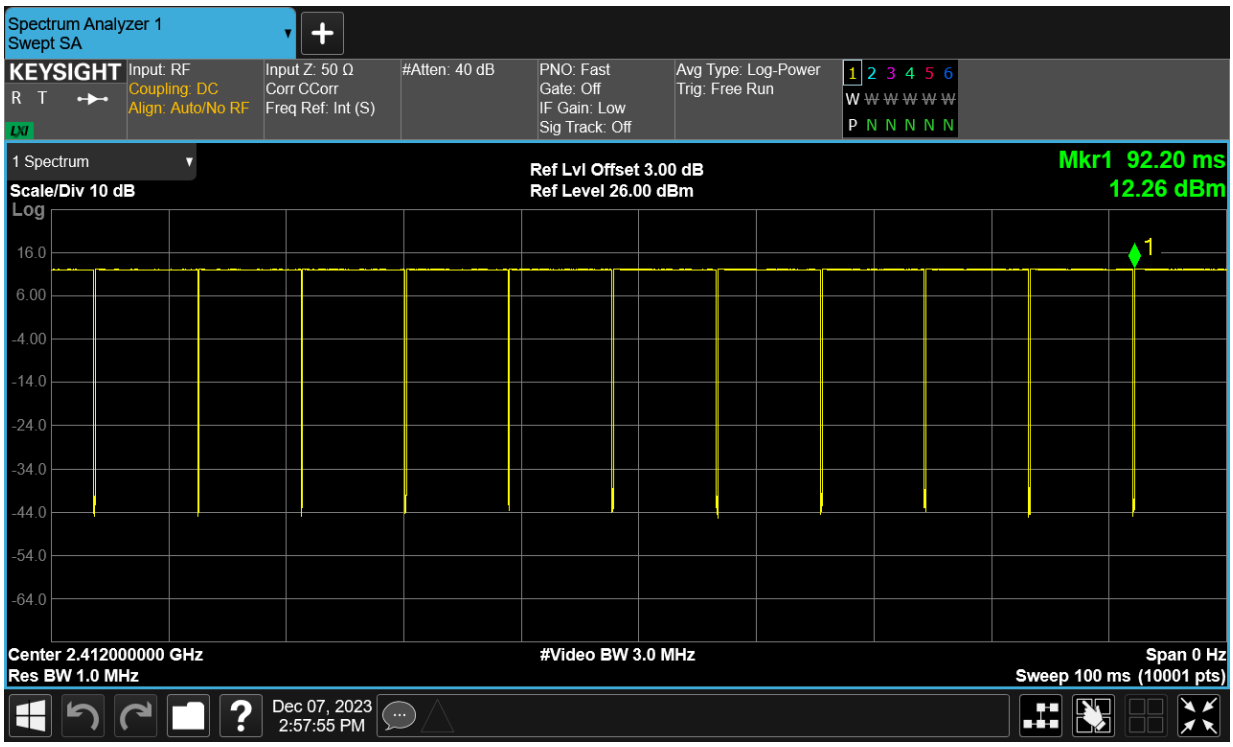
Duty Cycle NVNT b 2437MHz Ant1



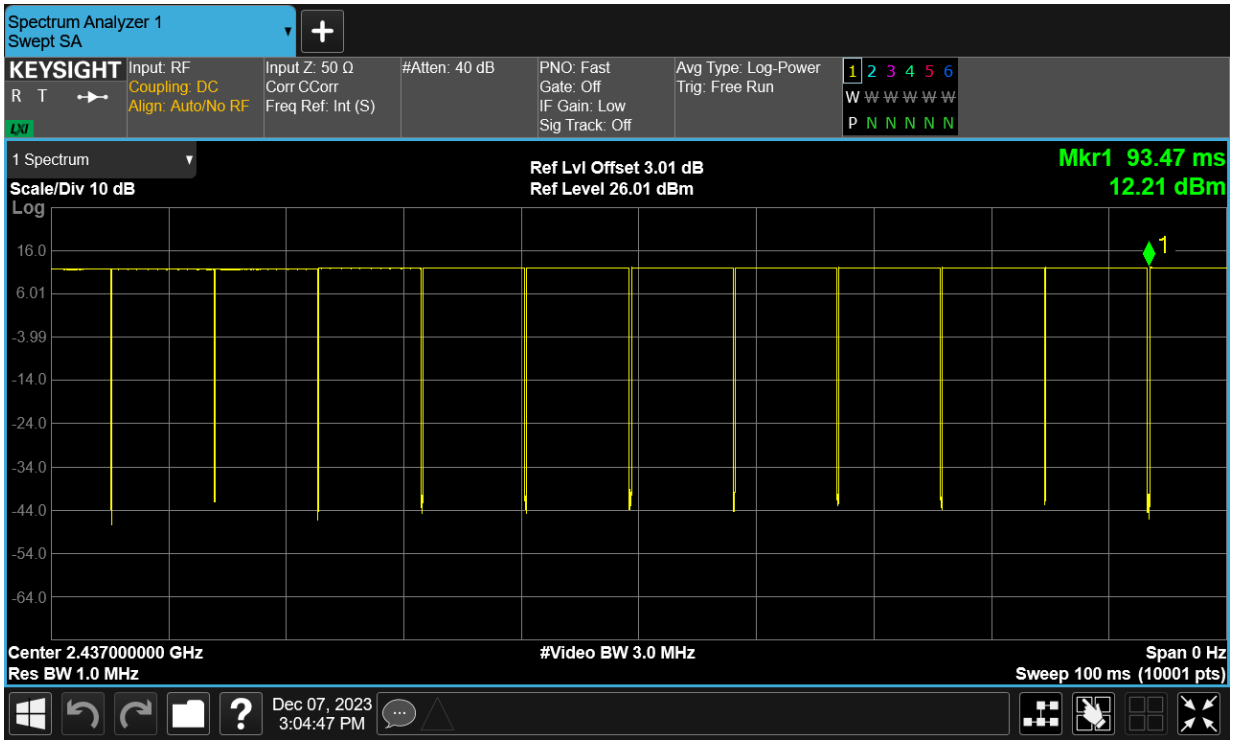
Duty Cycle NVNT b 2462MHz Ant1



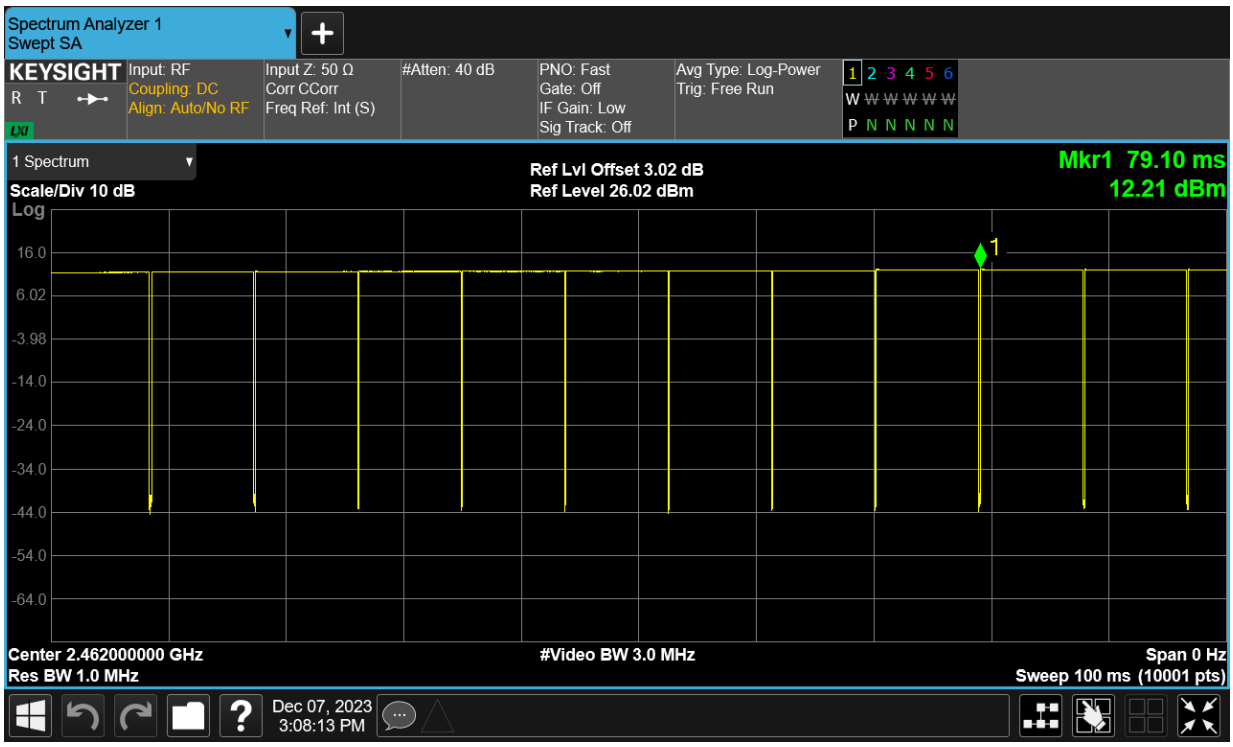
Duty Cycle NVNT b 2412MHz Ant2



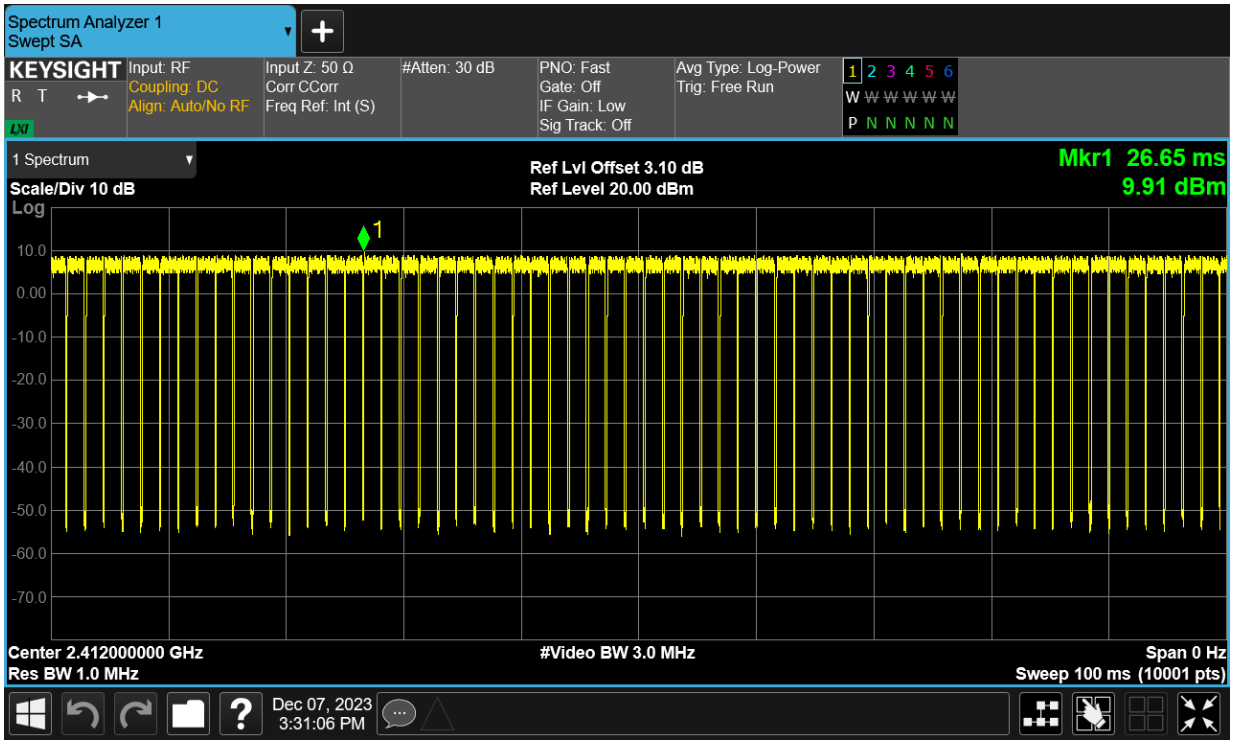
Duty Cycle NVNT b 2437MHz Ant2



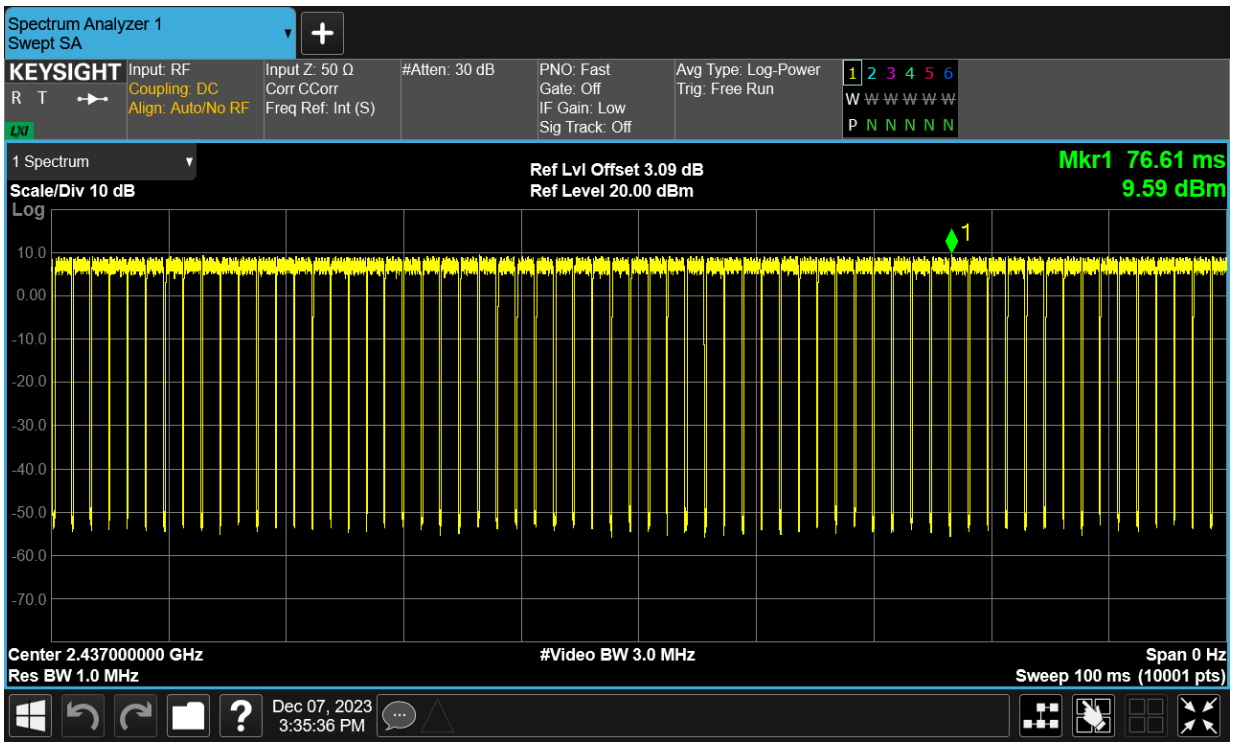
Duty Cycle NVNT b 2462MHz Ant2



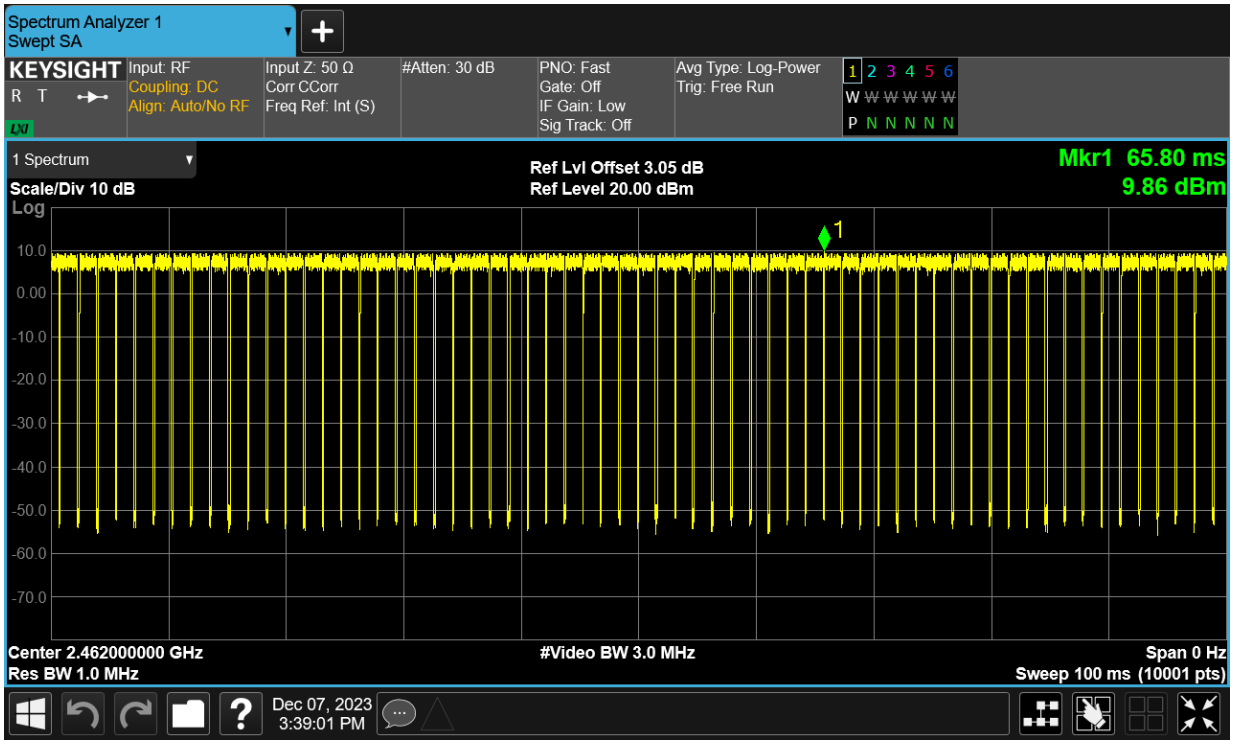
Duty Cycle NVNT g 2412MHz Ant1



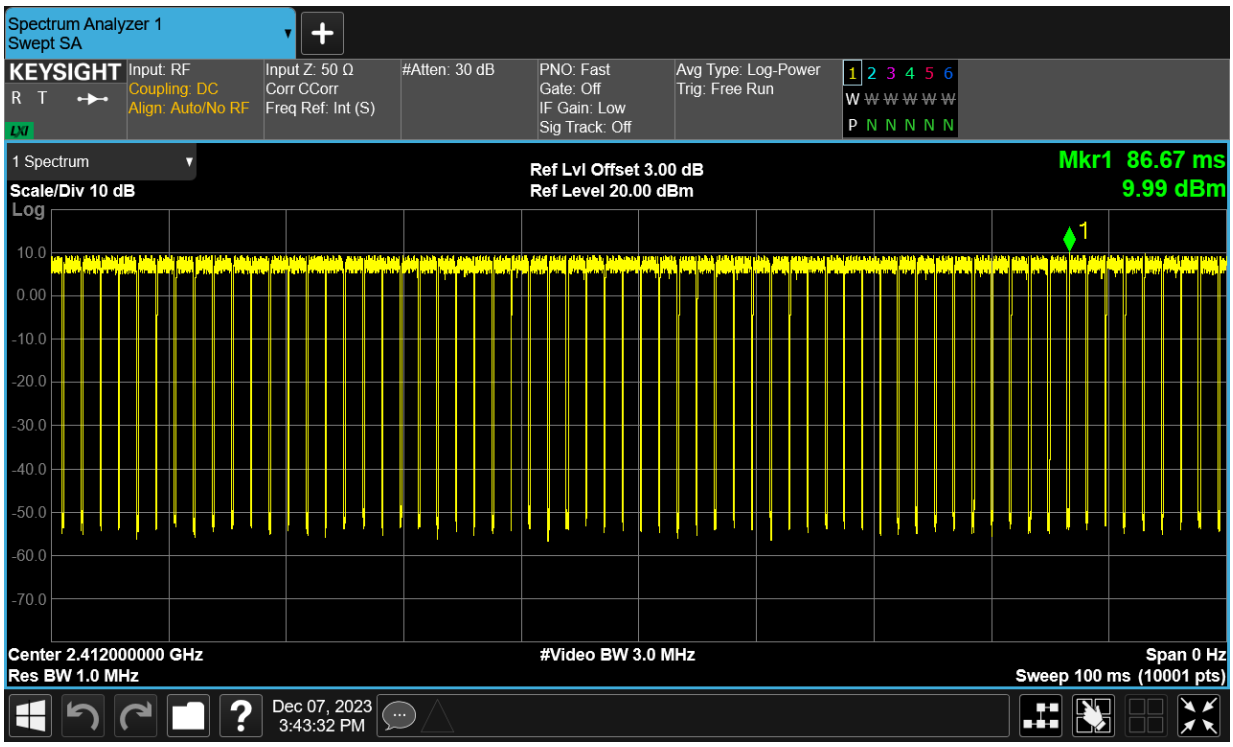
Duty Cycle NVNT g 2437MHz Ant1



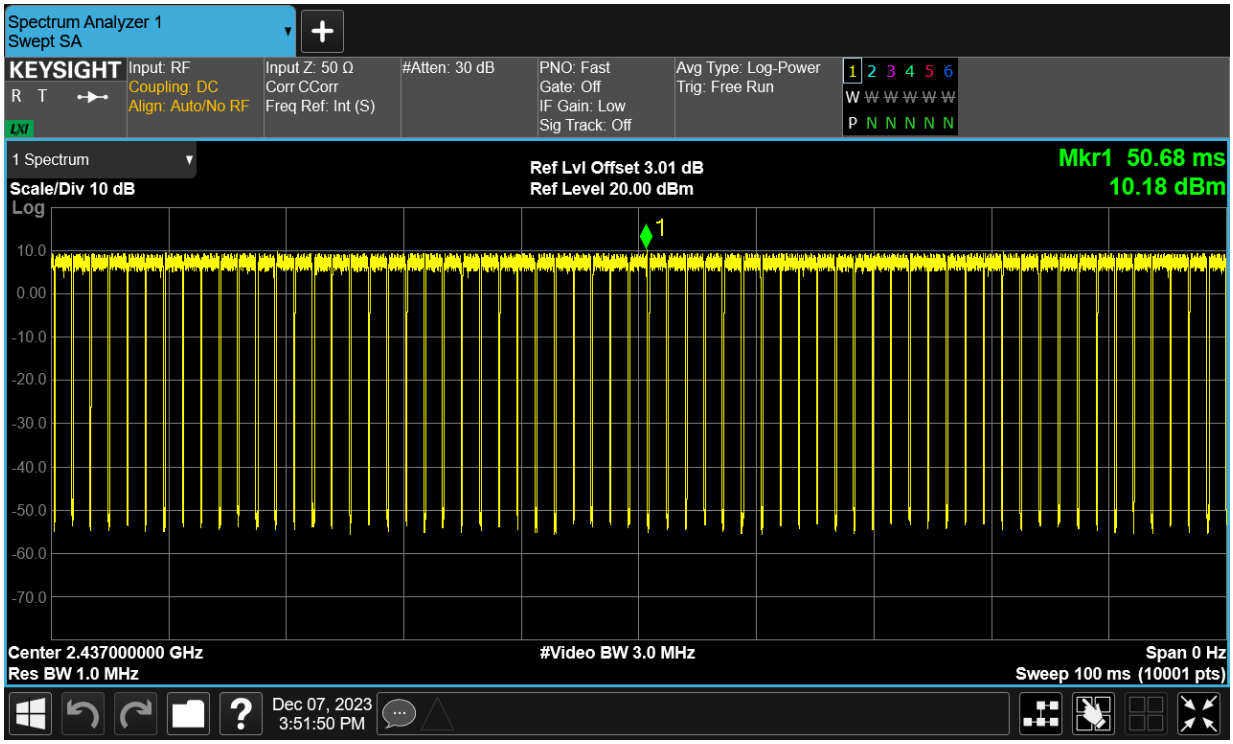
Duty Cycle NVNT g 2462MHz Ant1



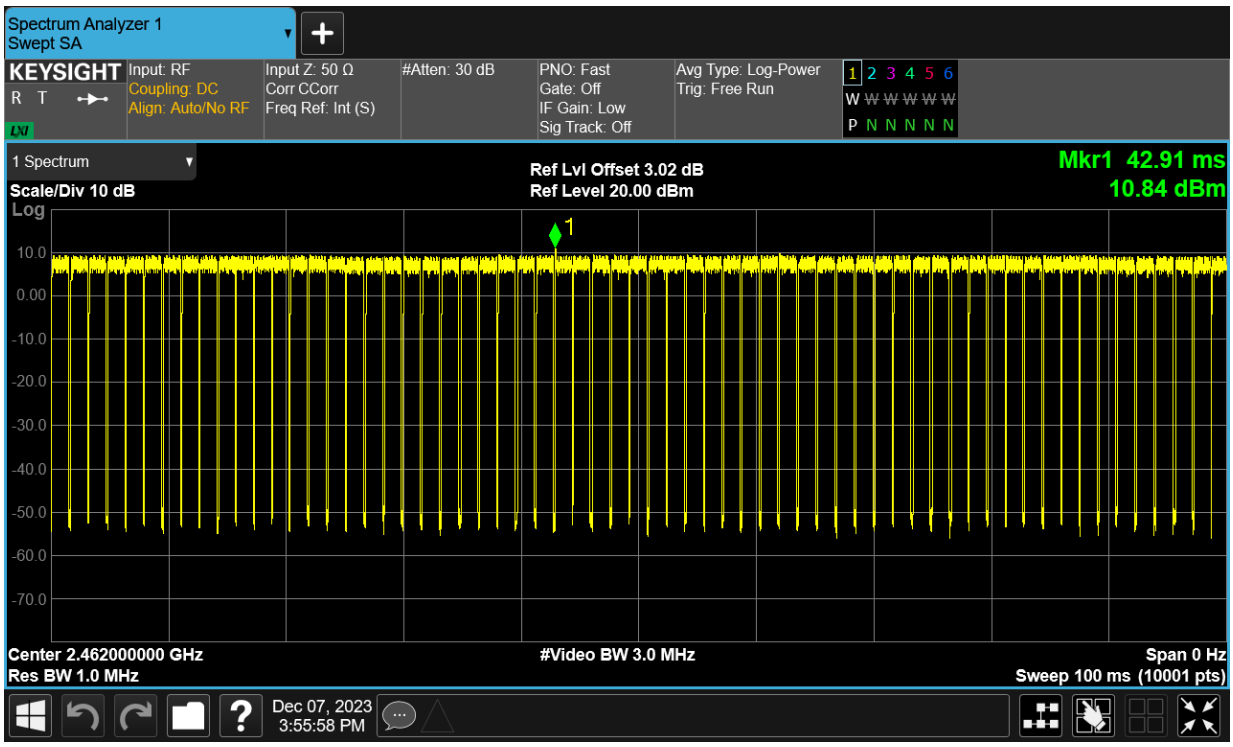
Duty Cycle NVNT g 2412MHz Ant2



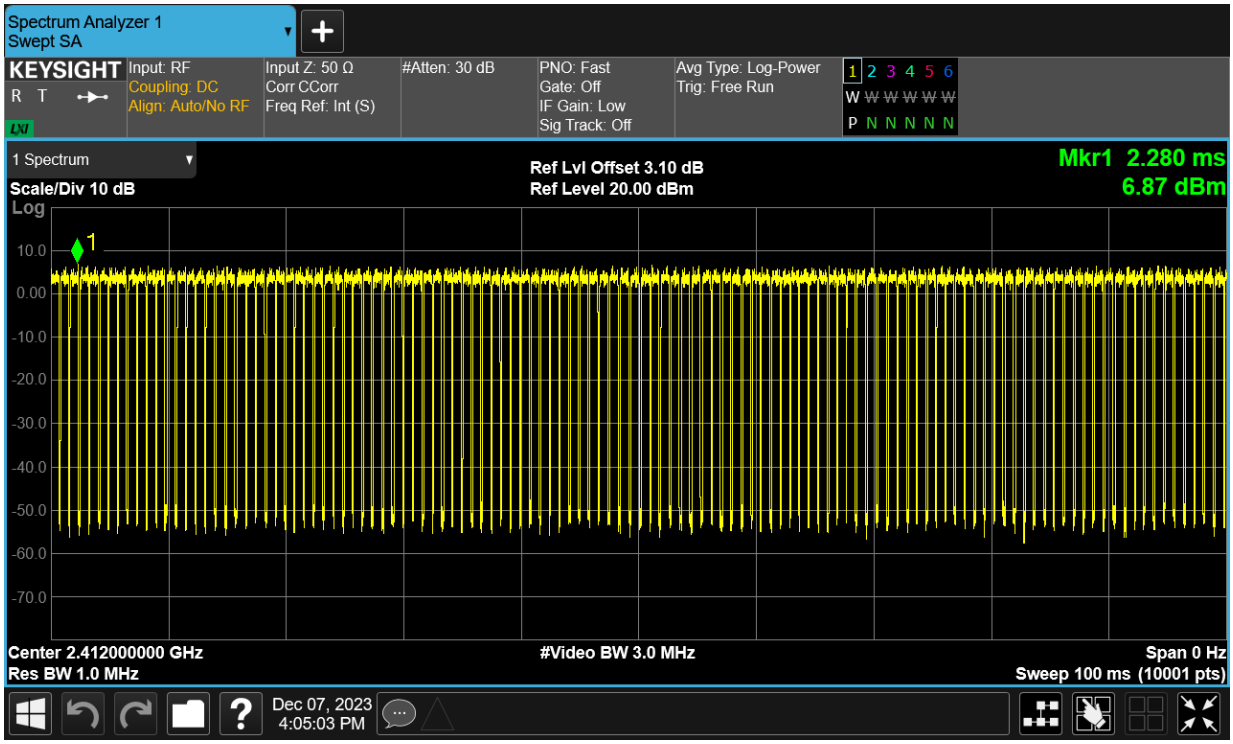
Duty Cycle NVNT g 2437MHz Ant2



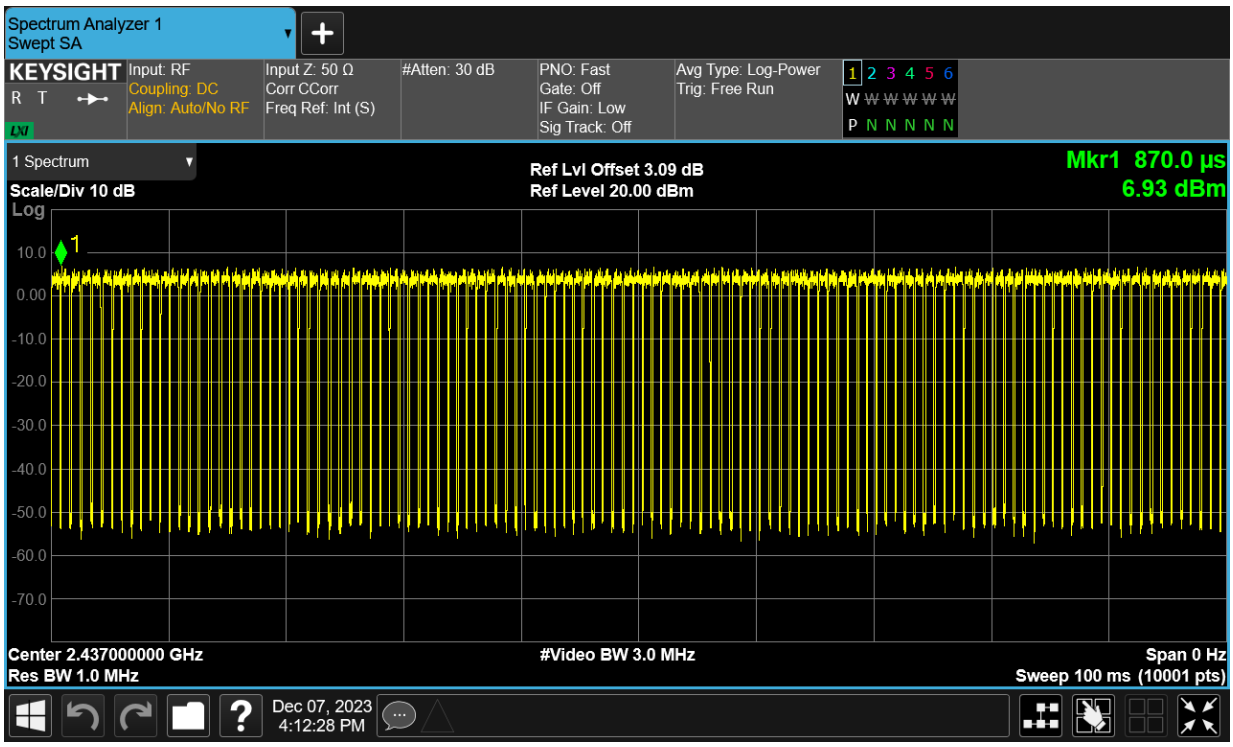
Duty Cycle NVNT g 2462MHz Ant2



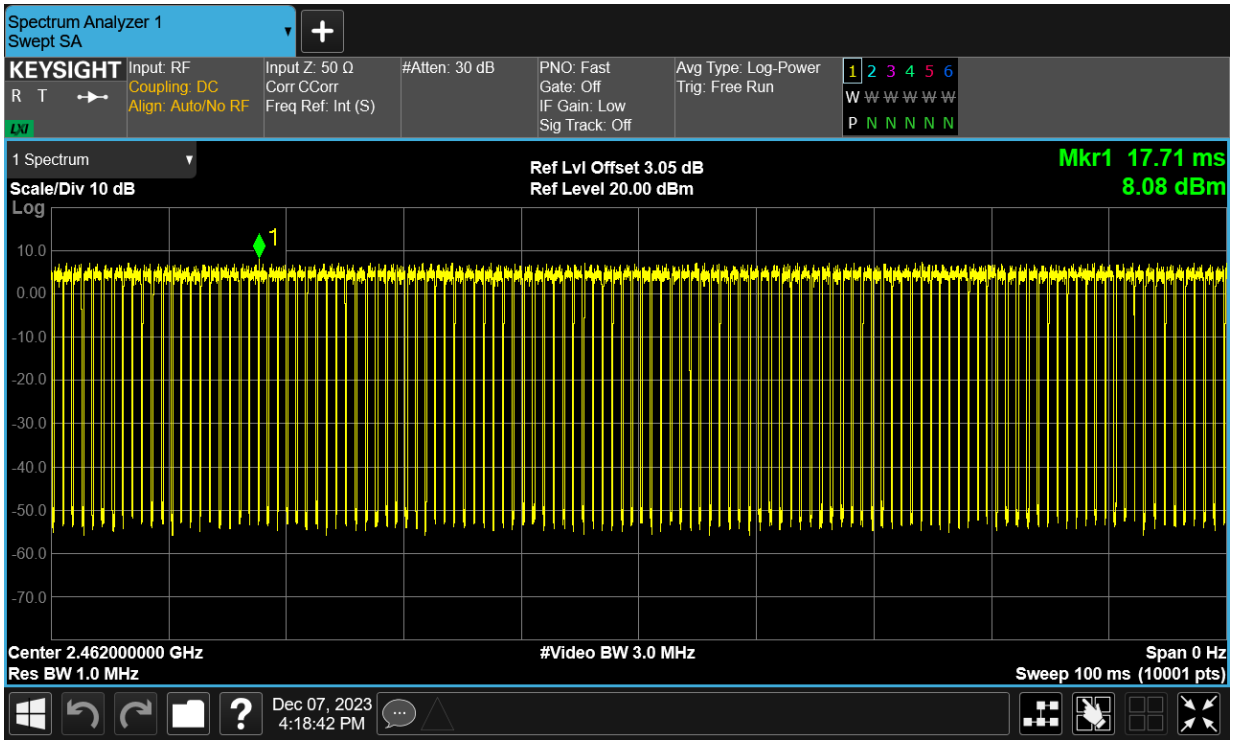
Duty Cycle NVNT n20 2412MHz Sum



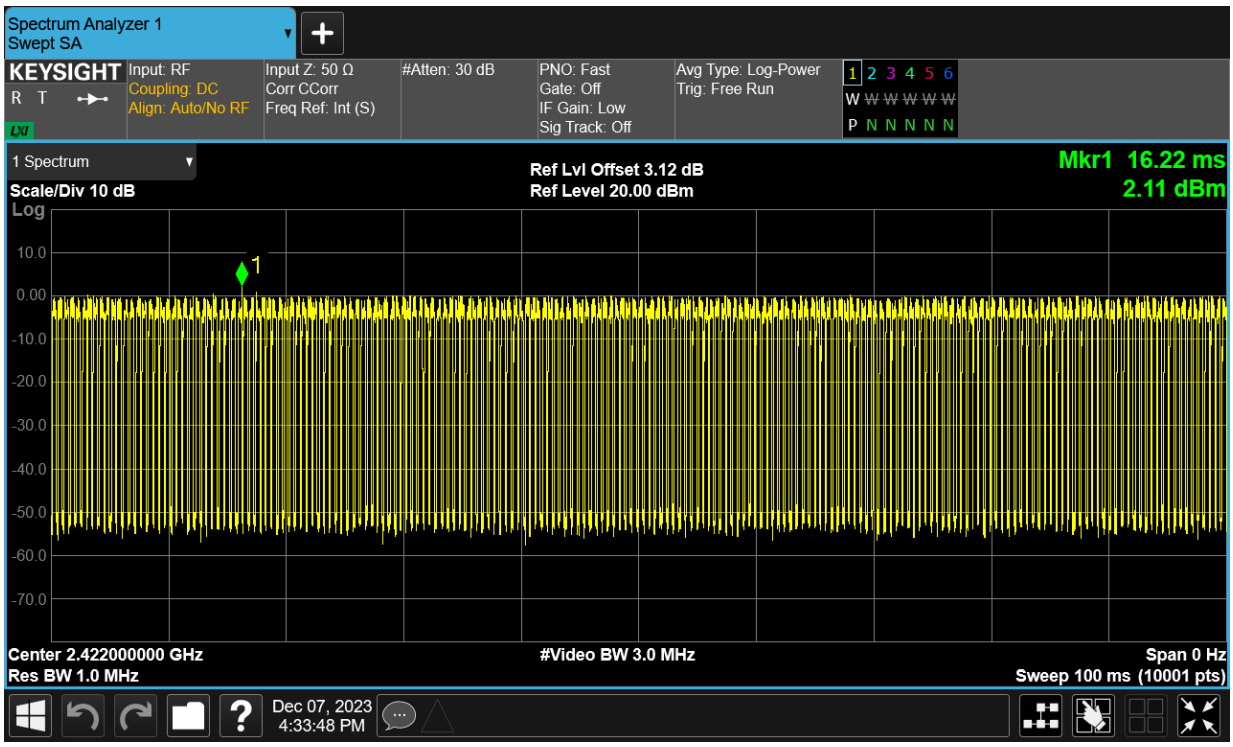
Duty Cycle NVNT n20 2437MHz Sum



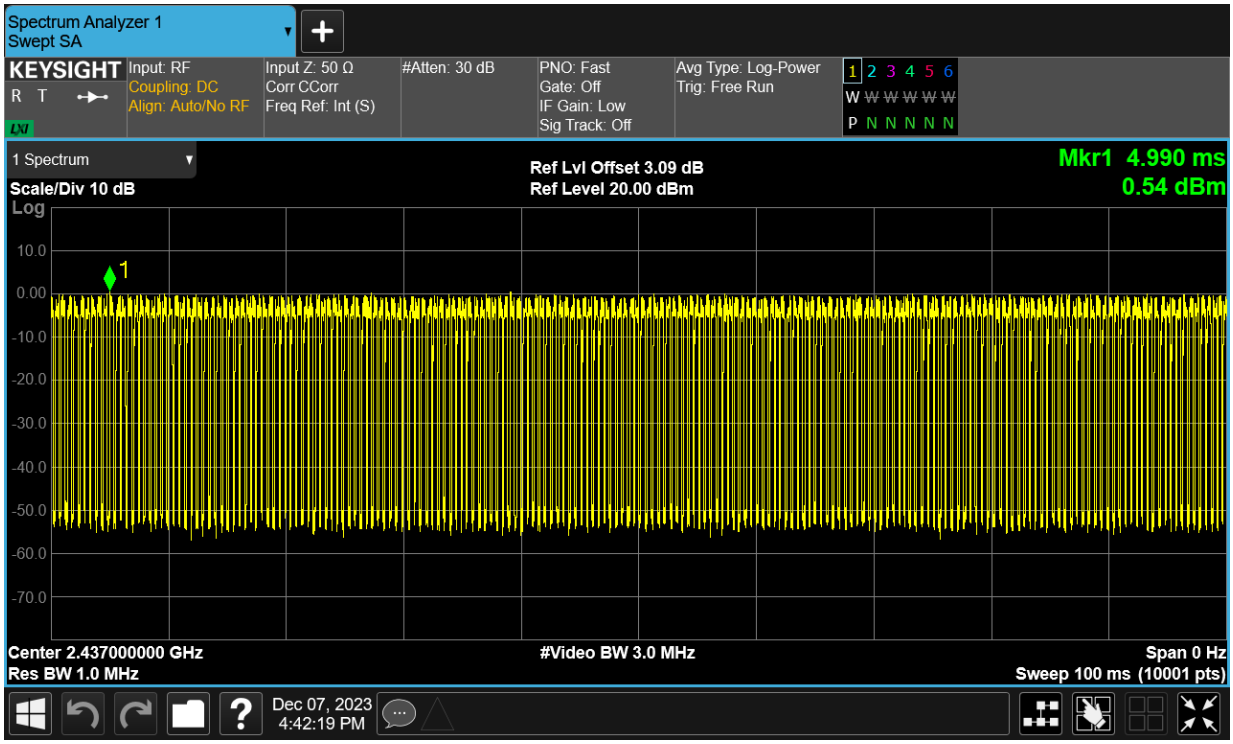
Duty Cycle NVNT n20 2462MHz Sum



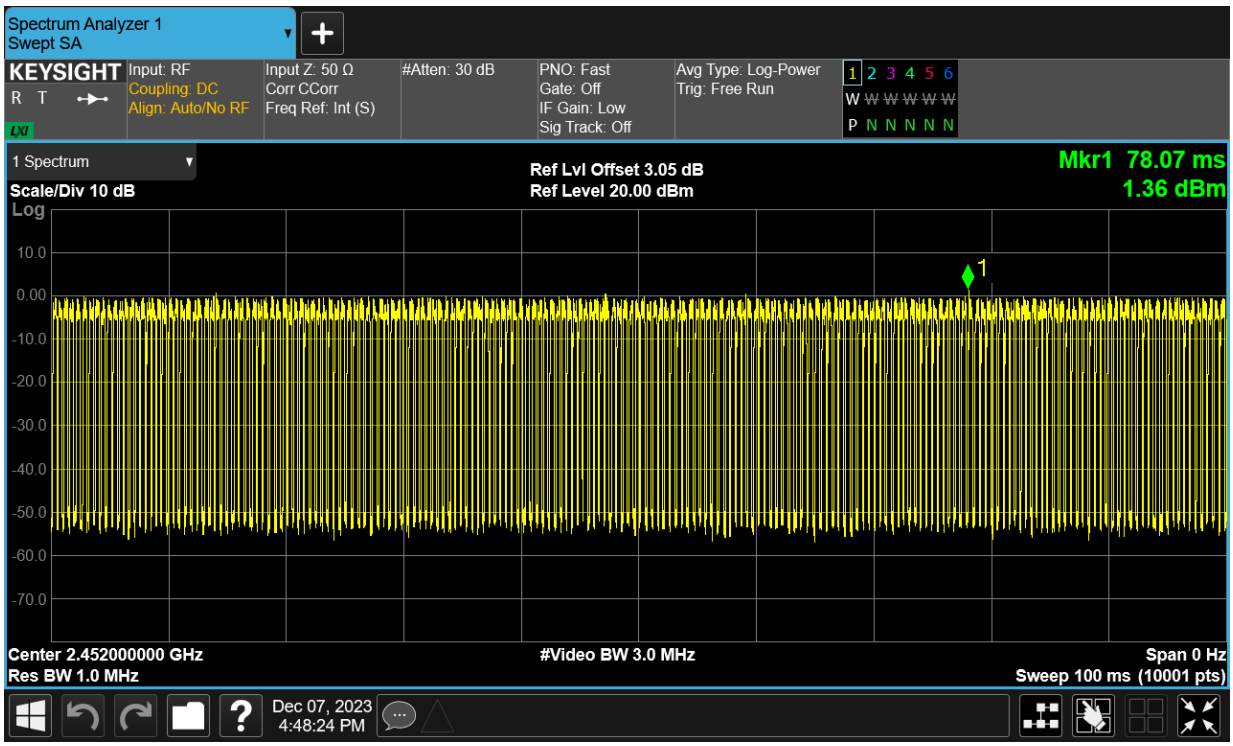
Duty Cycle NVNT n40 2422MHz Sum



Duty Cycle NVNT n40 2437MHz Sum



Duty Cycle NVNT n40 2452MHz Sum



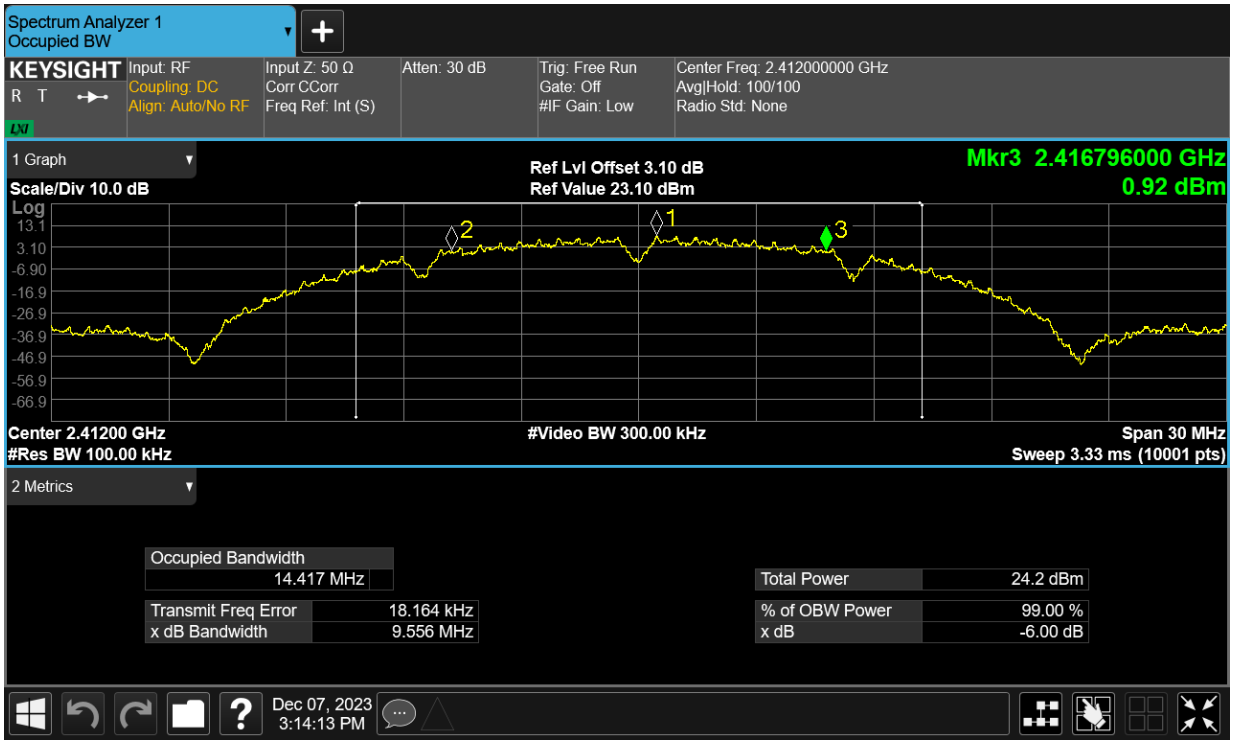
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	18.36	0.06	18.42	30	Pass
NVNT	b	2437	Ant1	17.86	0.06	17.92	30	Pass
NVNT	b	2462	Ant1	18.52	0.05	18.57	30	Pass
NVNT	b	2412	Ant2	17.92	0.07	17.99	30	Pass
NVNT	b	2437	Ant2	18.2	0.06	18.26	30	Pass
NVNT	b	2462	Ant2	17.81	0.06	17.87	30	Pass
NVNT	g	2412	Ant1	13.42	0.37	13.79	30	Pass
NVNT	g	2437	Ant1	12.96	0.4	13.36	30	Pass
NVNT	g	2462	Ant1	13.46	0.38	13.84	30	Pass
NVNT	g	2412	Ant2	13.1	0.39	13.49	30	Pass
NVNT	g	2437	Ant2	13.55	0.38	13.93	30	Pass
NVNT	g	2462	Ant2	13.03	0.4	13.43	30	Pass
NVNT	n20	2412	Ant1	10.27	0.76	11.03	30	Pass
NVNT	n20	2412	Ant2	10.53	0.76	11.29	30	Pass
NVNT	n20	2412	Sum	13.412	0.76	14.172	30	Pass
NVNT	n20	2437	Ant1	10	0.75	10.75	30	Pass
NVNT	n20	2437	Ant2	10.91	0.75	11.66	30	Pass
NVNT	n20	2437	Sum	13.489	0.75	14.239	30	Pass
NVNT	n20	2462	Ant1	10.42	0.77	11.19	30	Pass
NVNT	n20	2462	Ant2	10.6	0.77	11.37	30	Pass
NVNT	n20	2462	Sum	13.521	0.77	14.291	30	Pass
NVNT	n40	2422	Ant1	9.39	1.41	10.8	30	Pass
NVNT	n40	2422	Ant2	9.67	1.41	11.08	30	Pass
NVNT	n40	2422	Sum	12.543	1.41	13.953	30	Pass
NVNT	n40	2437	Ant1	9.08	1.41	10.49	30	Pass
NVNT	n40	2437	Ant2	9.8	1.41	11.21	30	Pass
NVNT	n40	2437	Sum	12.465	1.41	13.875	30	Pass
NVNT	n40	2452	Ant1	8.97	1.41	10.38	30	Pass
NVNT	n40	2452	Ant2	9.61	1.41	11.02	30	Pass
NVNT	n40	2452	Sum	12.312	1.41	13.722	30	Pass

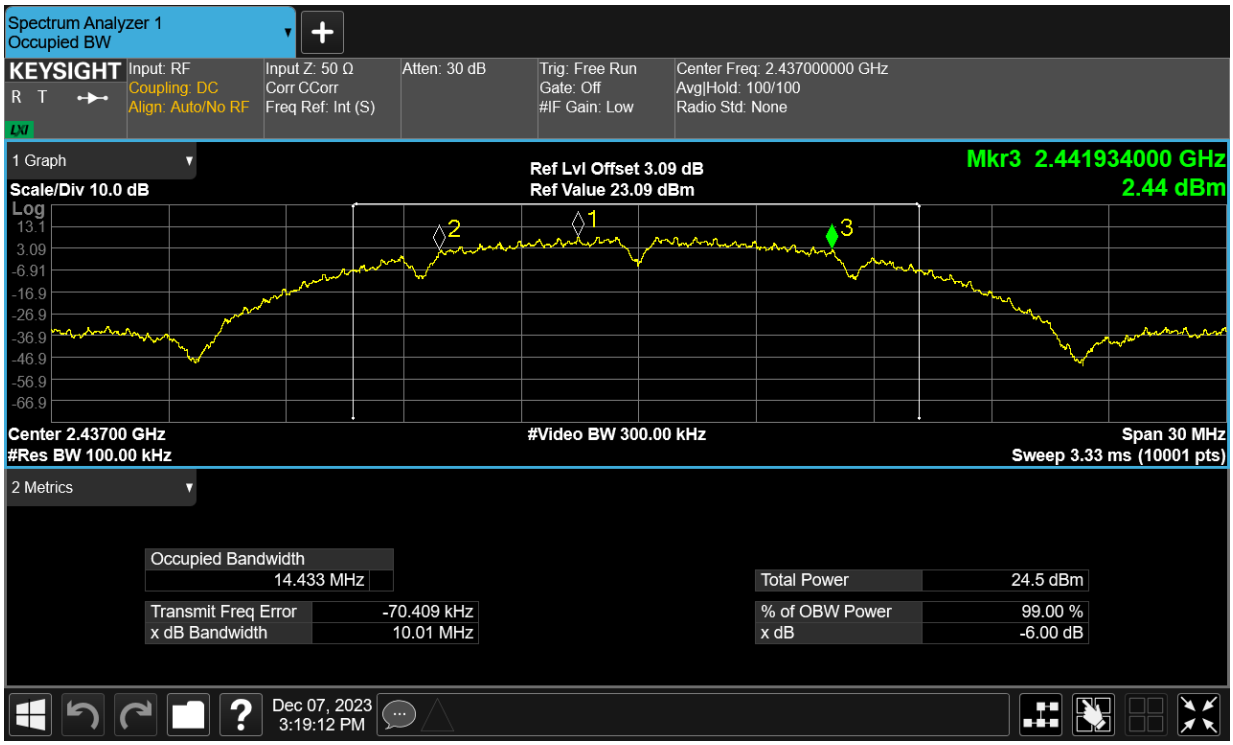
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	Ant1	9.556	0.5	Pass
NVNT	b	2437	Ant1	10.008	0.5	Pass
NVNT	b	2462	Ant1	9.089	0.5	Pass
NVNT	b	2412	Ant2	10.008	0.5	Pass
NVNT	b	2437	Ant2	9.997	0.5	Pass
NVNT	b	2462	Ant2	10.025	0.5	Pass
NVNT	g	2412	Ant1	15.1	0.5	Pass
NVNT	g	2437	Ant1	15.033	0.5	Pass
NVNT	g	2462	Ant1	14.092	0.5	Pass
NVNT	g	2412	Ant2	15.109	0.5	Pass
NVNT	g	2437	Ant2	15.041	0.5	Pass
NVNT	g	2462	Ant2	15.114	0.5	Pass
NVNT	n20	2412	Ant1	15.107	0.5	Pass
NVNT	n20	2412	Ant2	15.111	0.5	Pass
NVNT	n20	2437	Ant1	15.102	0.5	Pass
NVNT	n20	2437	Ant2	15.107	0.5	Pass
NVNT	n20	2462	Ant1	15.105	0.5	Pass
NVNT	n20	2462	Ant2	15.109	0.5	Pass
NVNT	n40	2422	Ant1	35.068	0.5	Pass
NVNT	n40	2422	Ant2	35.061	0.5	Pass
NVNT	n40	2437	Ant1	35.089	0.5	Pass
NVNT	n40	2437	Ant2	35.089	0.5	Pass
NVNT	n40	2452	Ant1	35.085	0.5	Pass
NVNT	n40	2452	Ant2	35.039	0.5	Pass

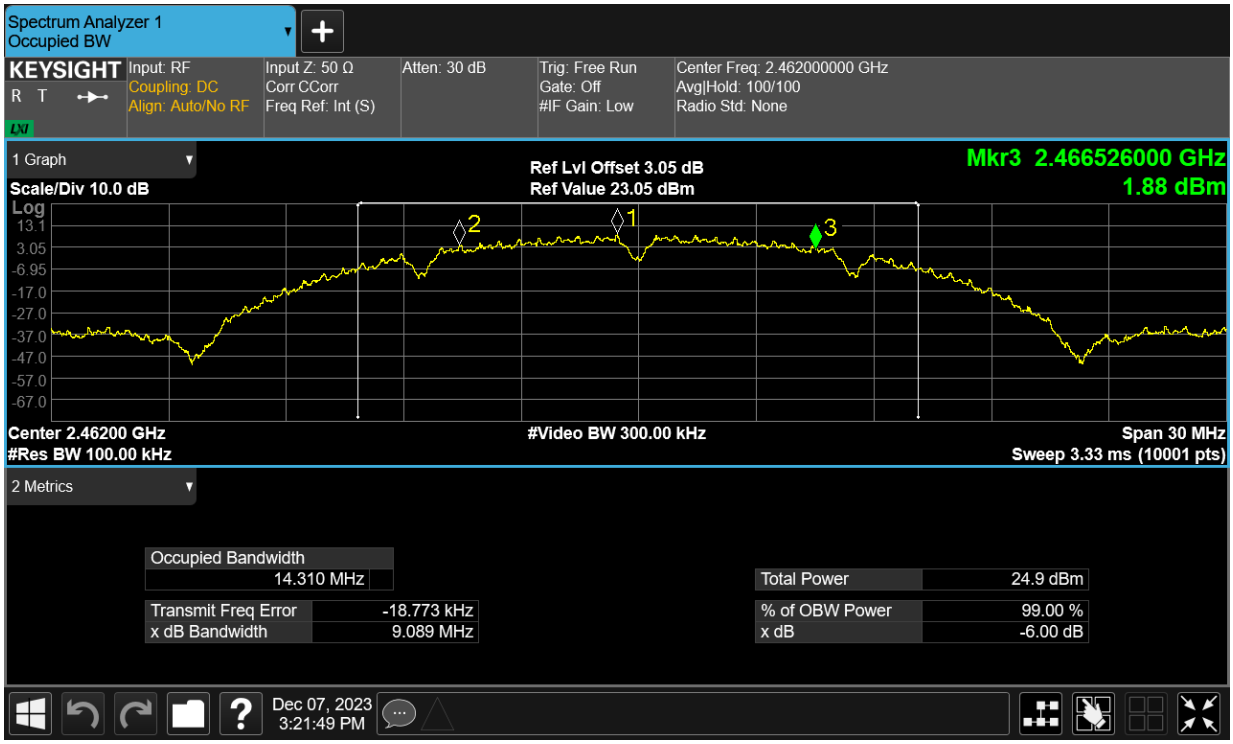
Test Graphs
-6dB Bandwidth NVNT b 2412MHz Ant1



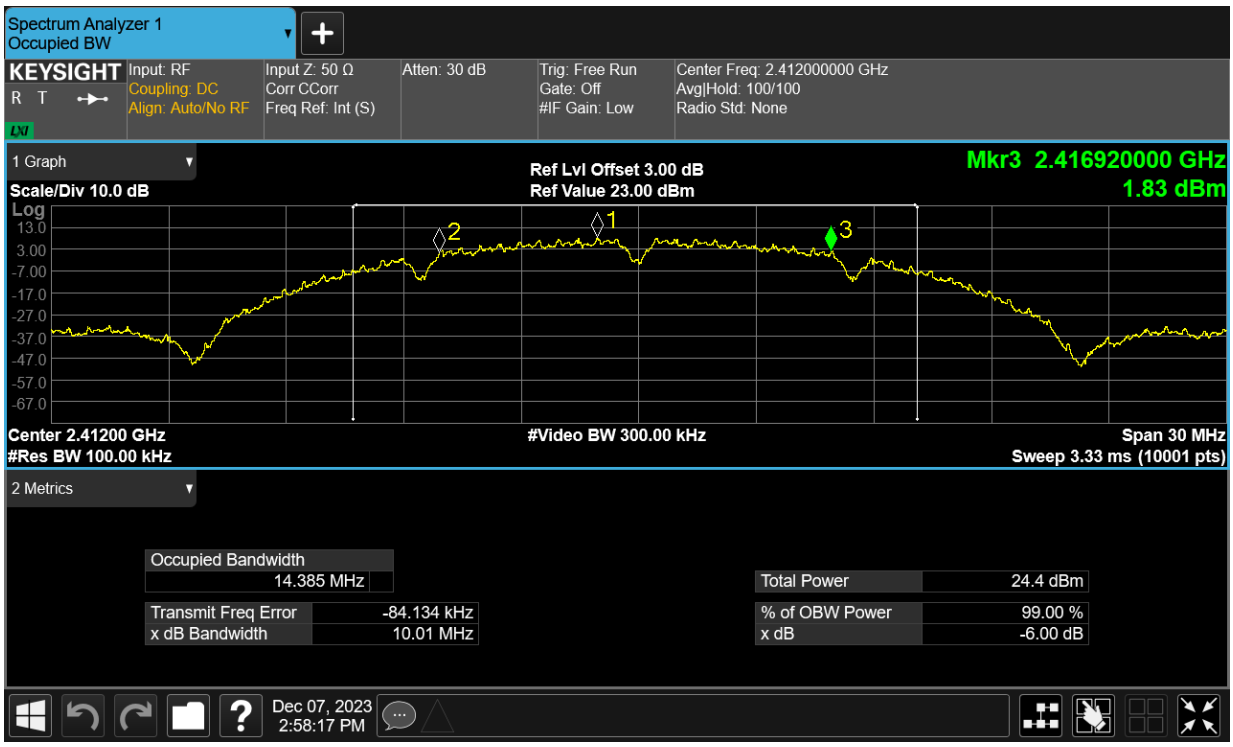
-6dB Bandwidth NVNT b 2437MHz Ant1



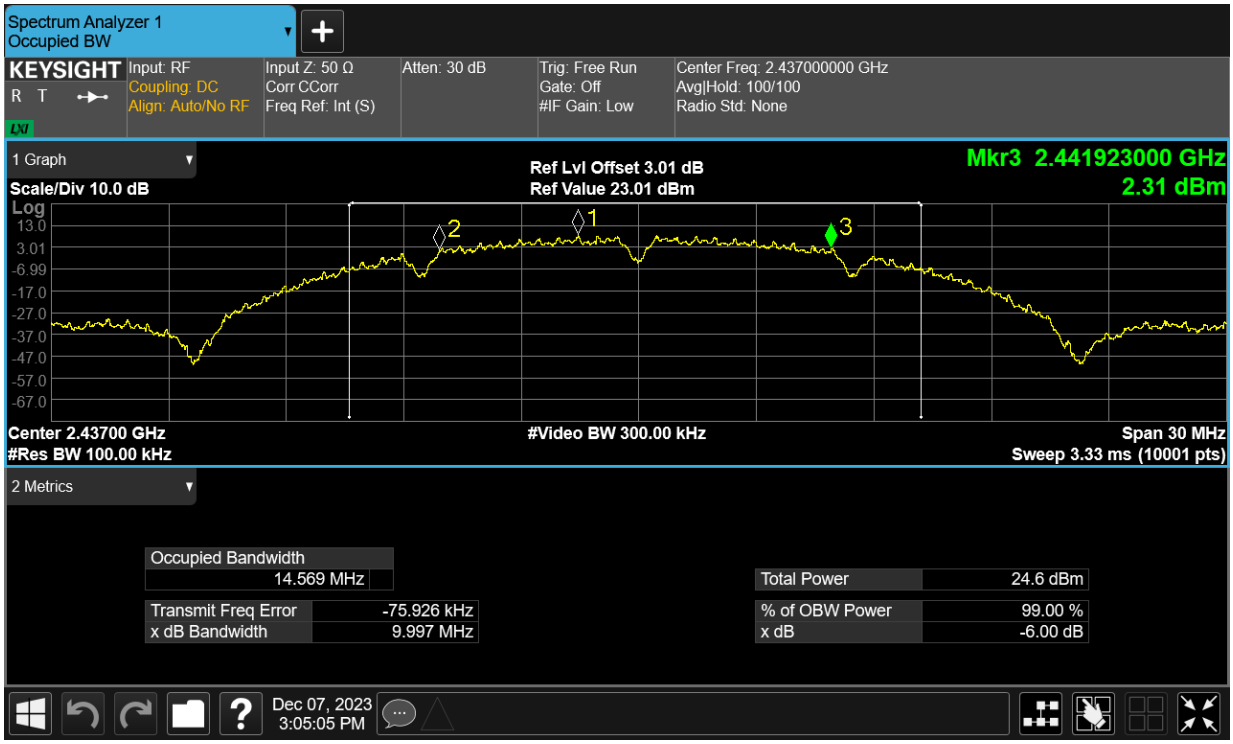
-6dB Bandwidth NVNT b 2462MHz Ant1



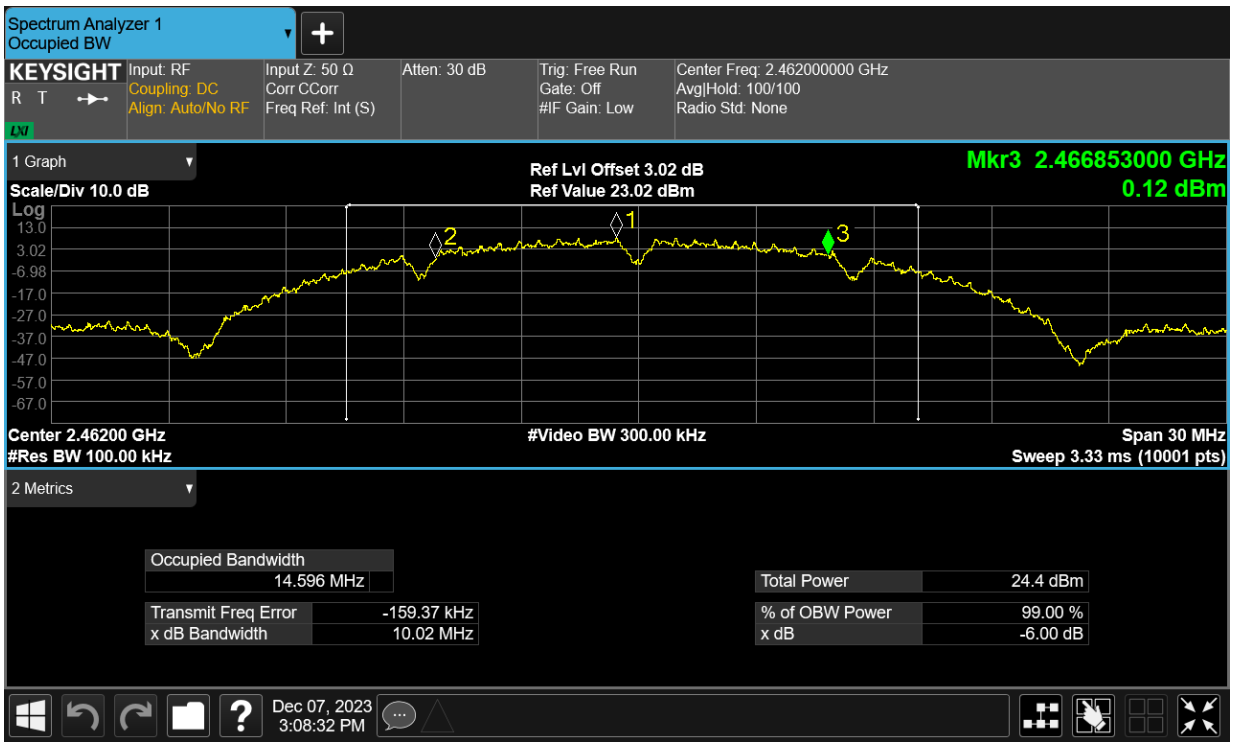
-6dB Bandwidth NVNT b 2412MHz Ant2



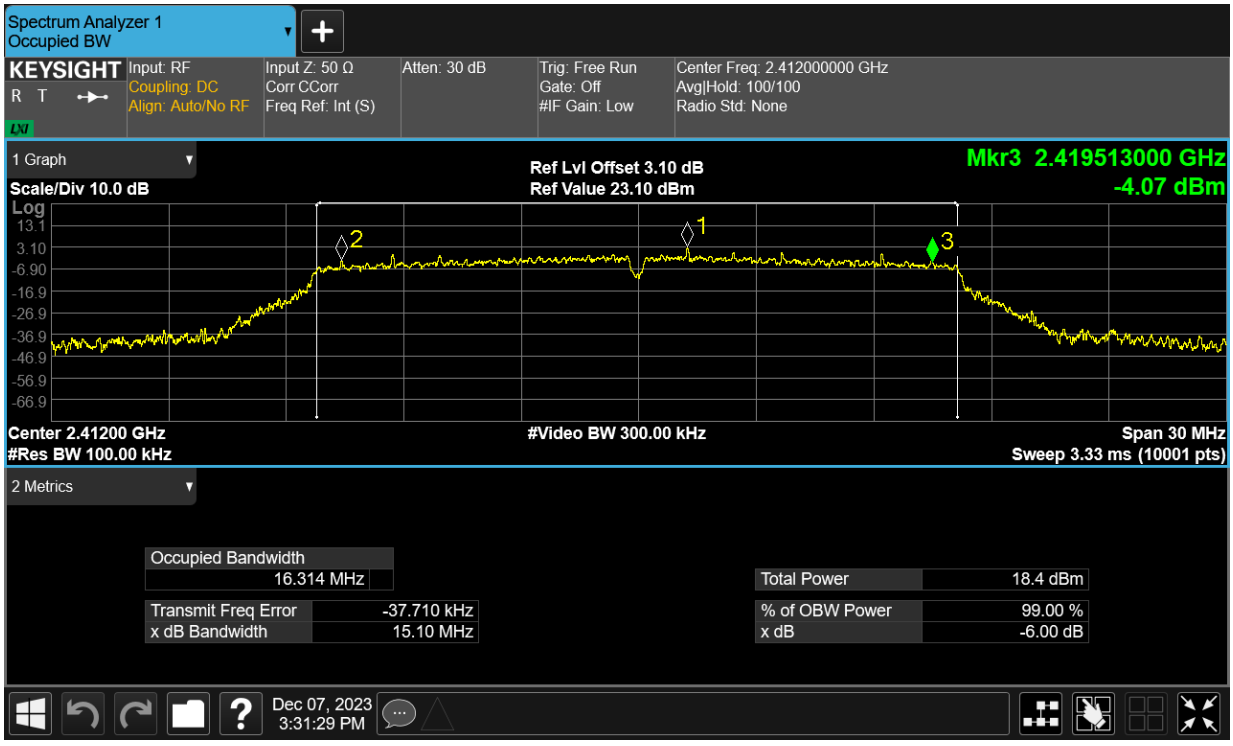
-6dB Bandwidth NVNT b 2437MHz Ant2



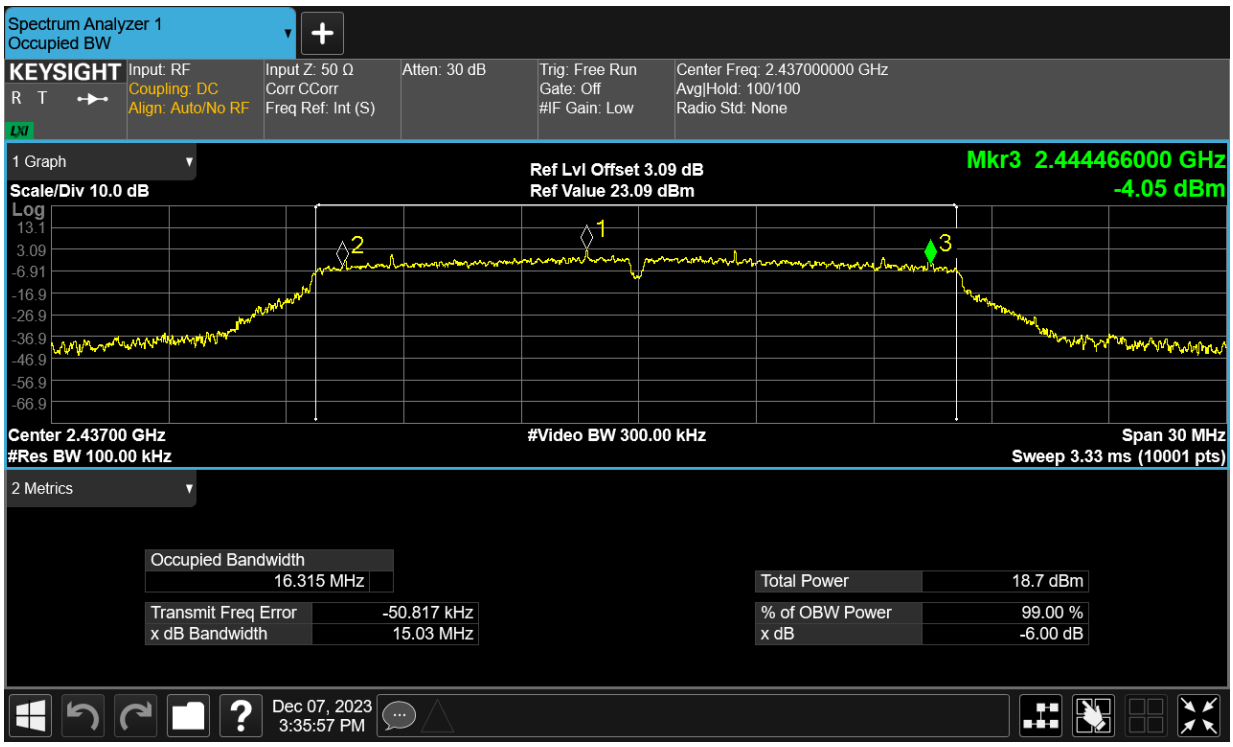
-6dB Bandwidth NVNT b 2462MHz Ant2



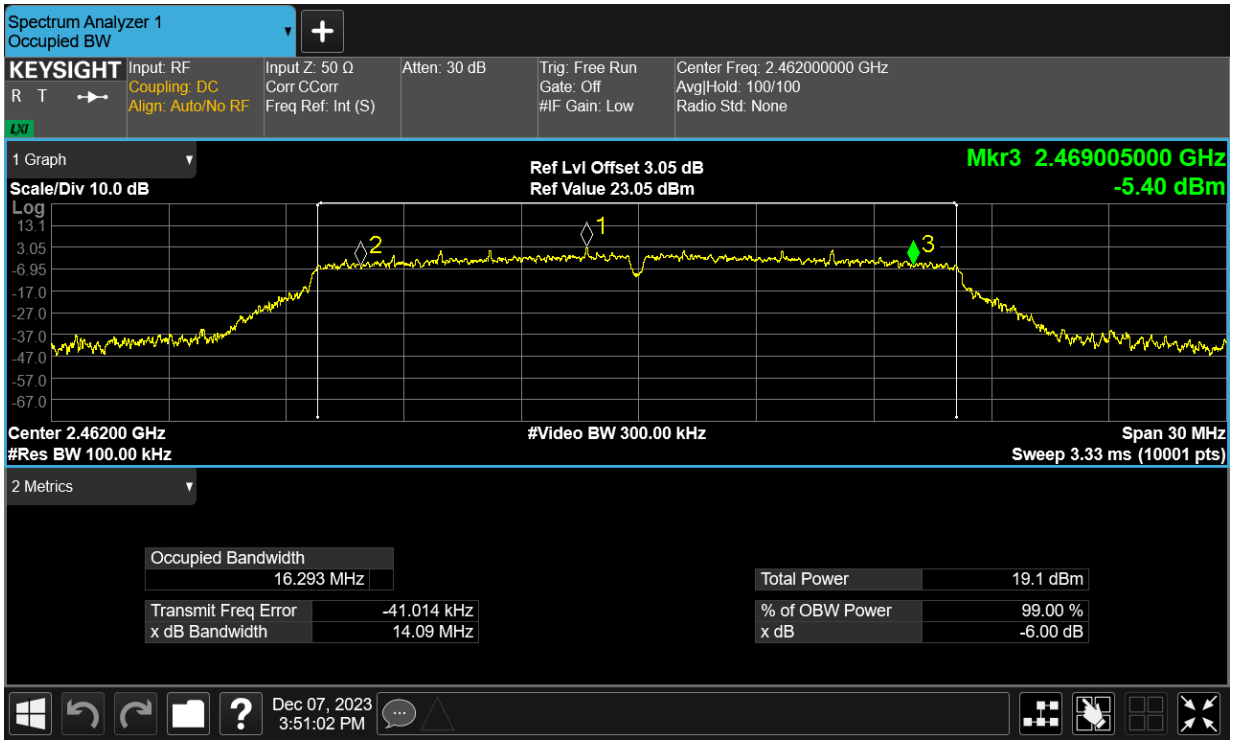
-6dB Bandwidth NVNT g 2412MHz Ant1



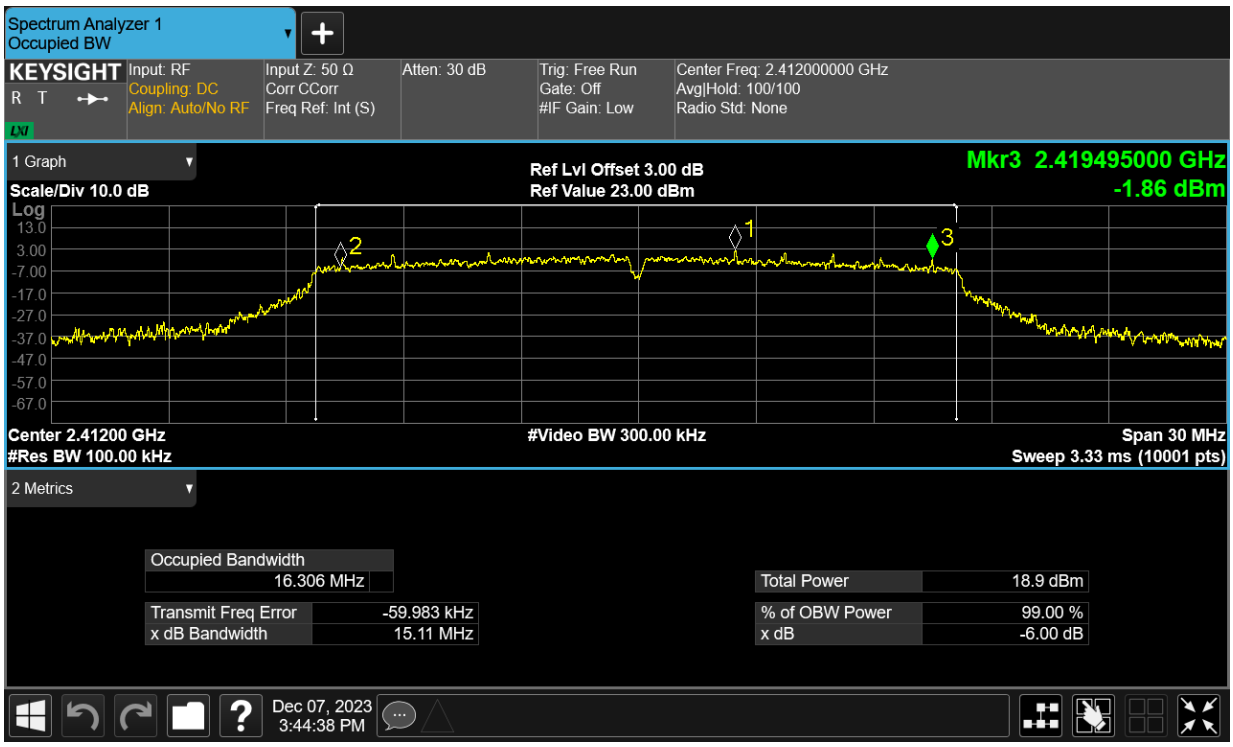
-6dB Bandwidth NVNT g 2437MHz Ant1



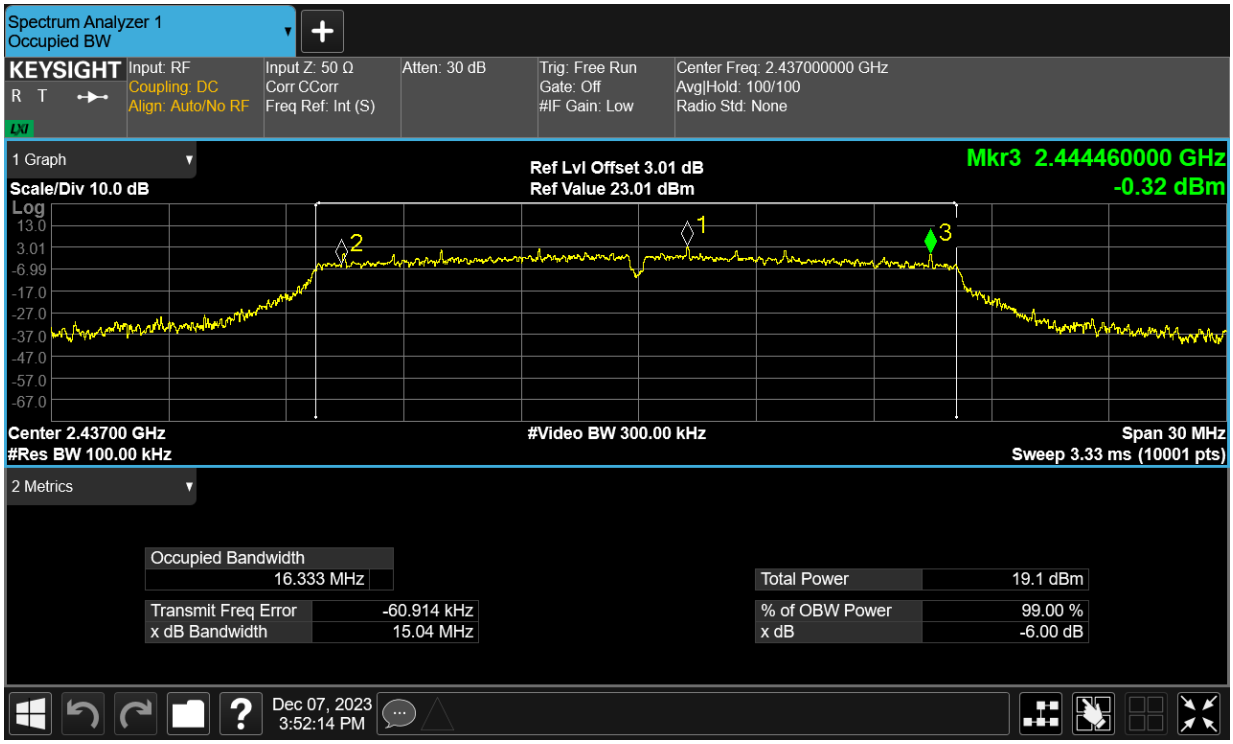
-6dB Bandwidth NVNT g 2462MHz Ant1



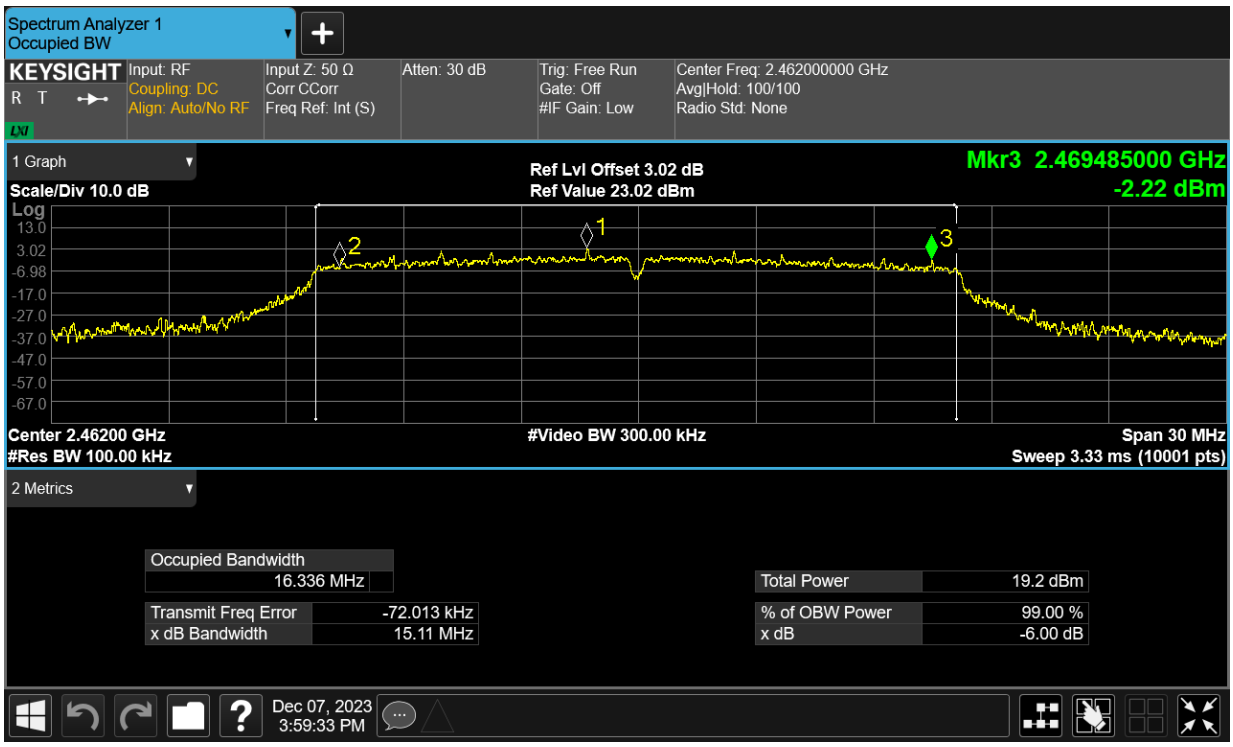
-6dB Bandwidth NVNT g 2412MHz Ant2



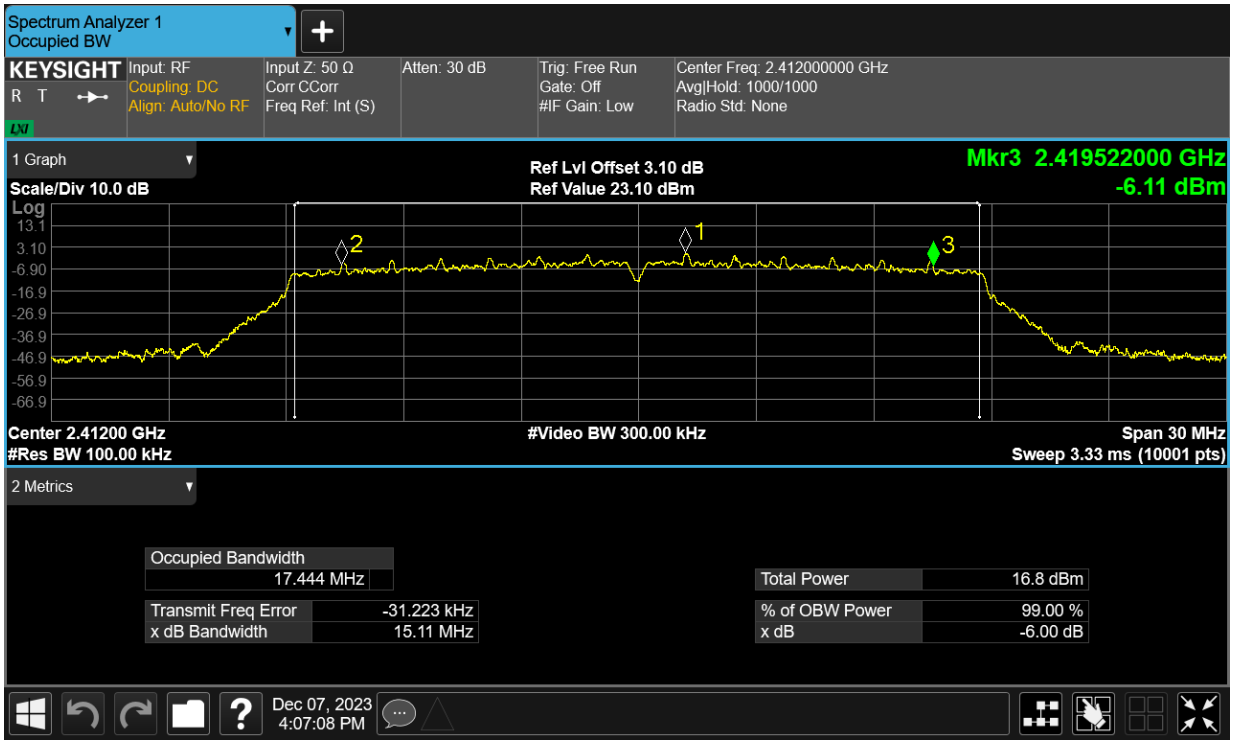
-6dB Bandwidth NVNT g 2437MHz Ant2



-6dB Bandwidth NVNT g 2462MHz Ant2



-6dB Bandwidth NVNT n20 2412MHz Ant1



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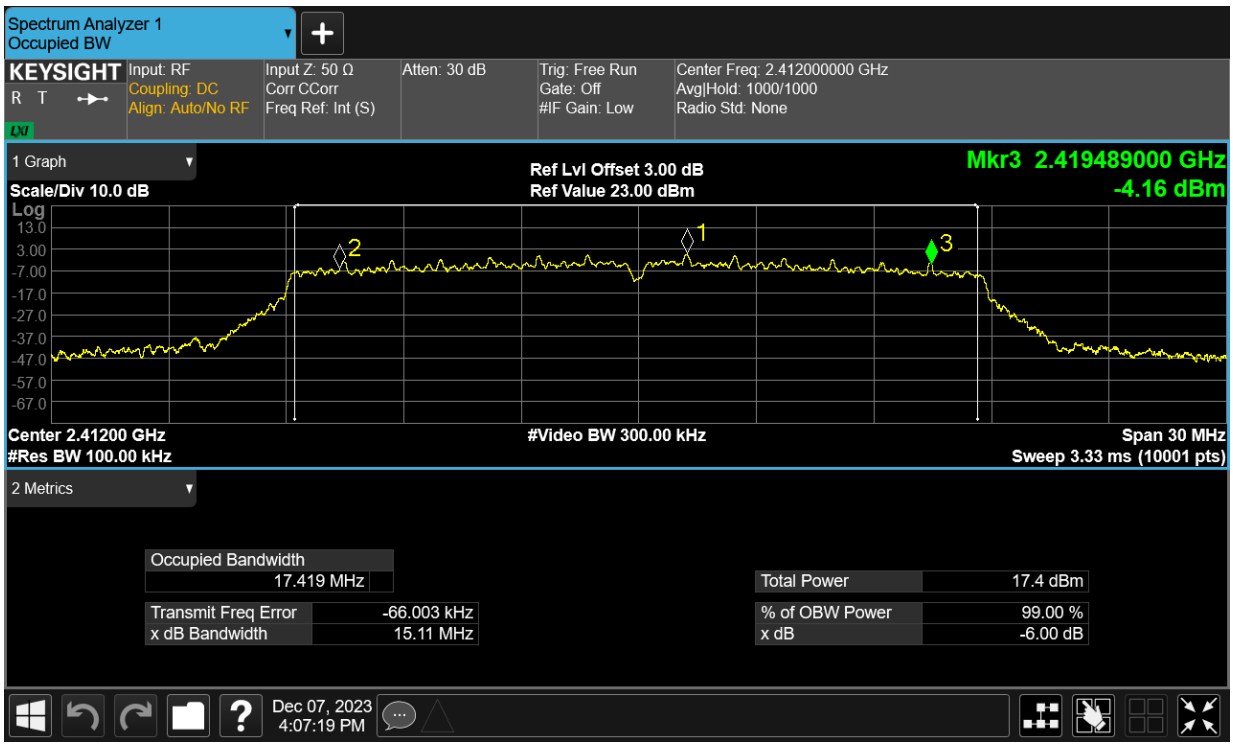
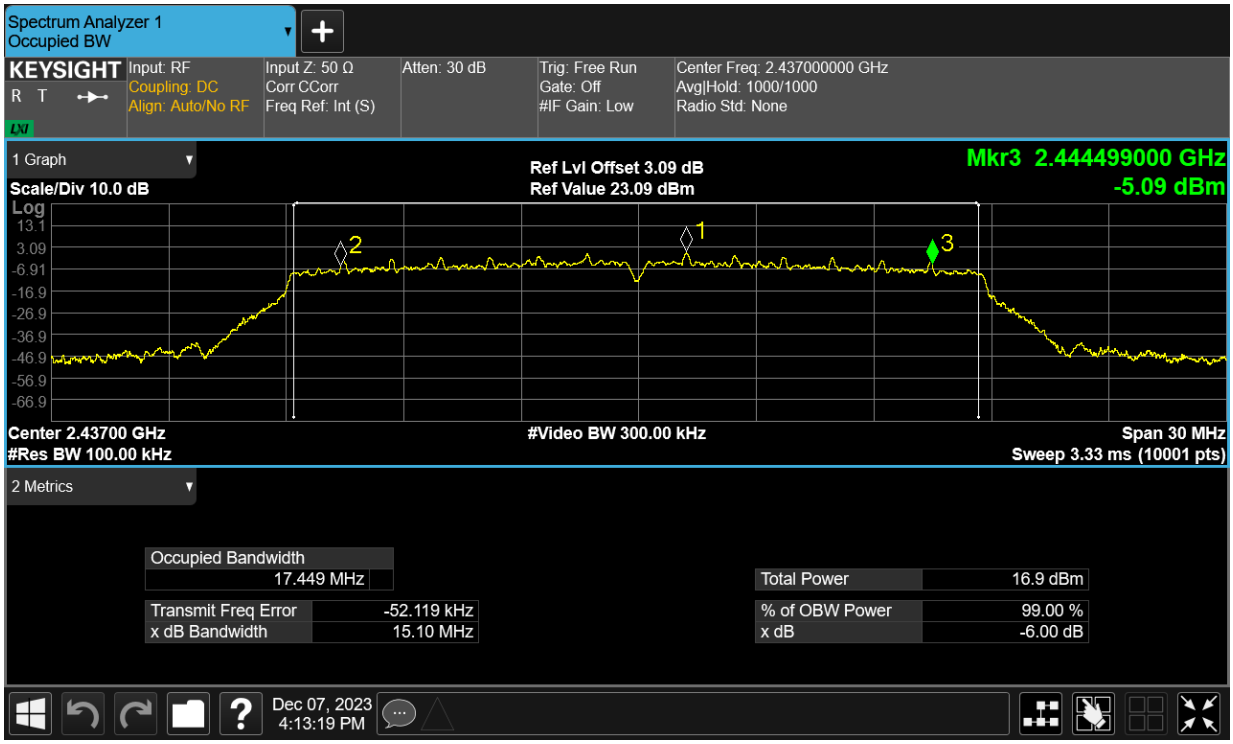
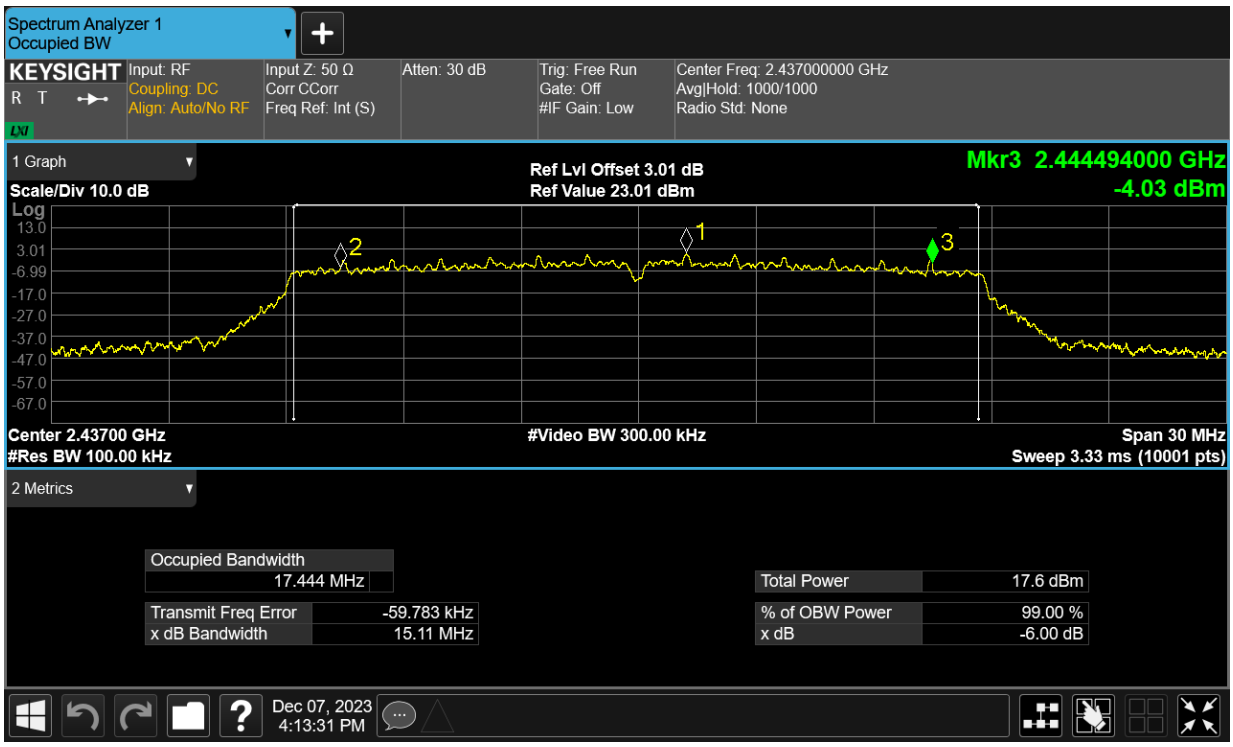


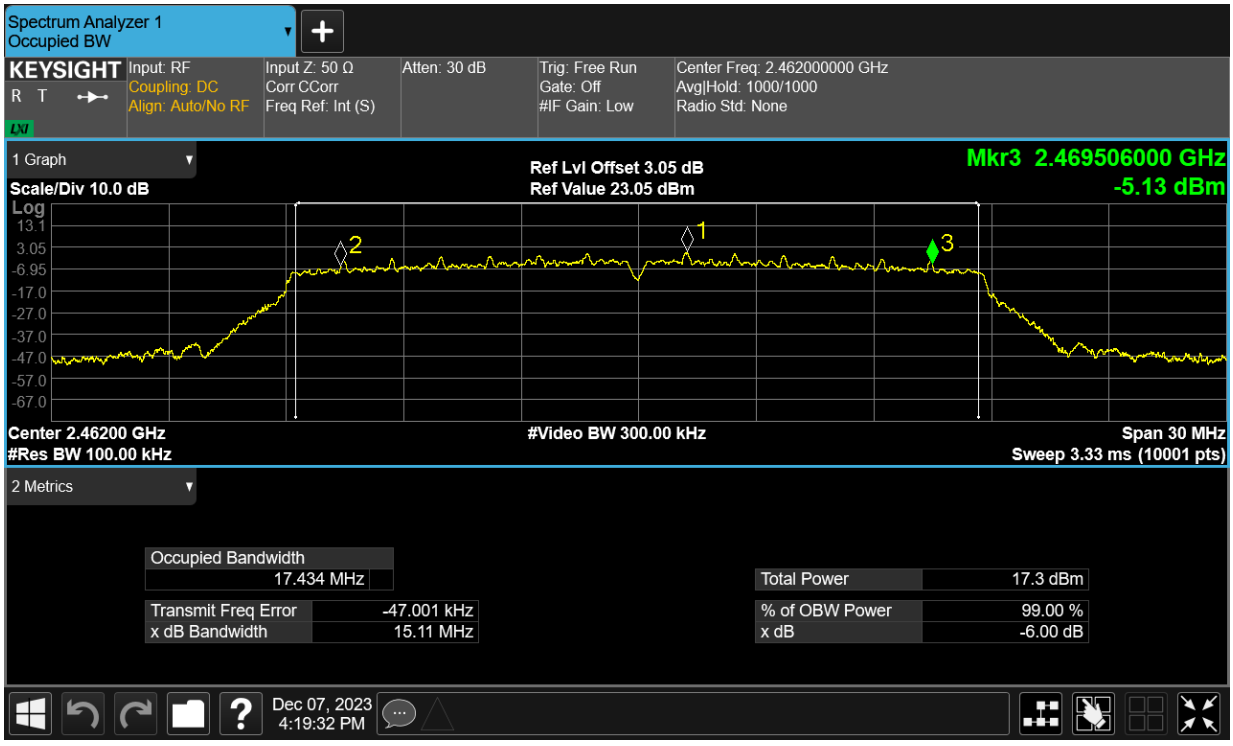
-6dB Bandwidth NVNT n20 2437MHz Ant1



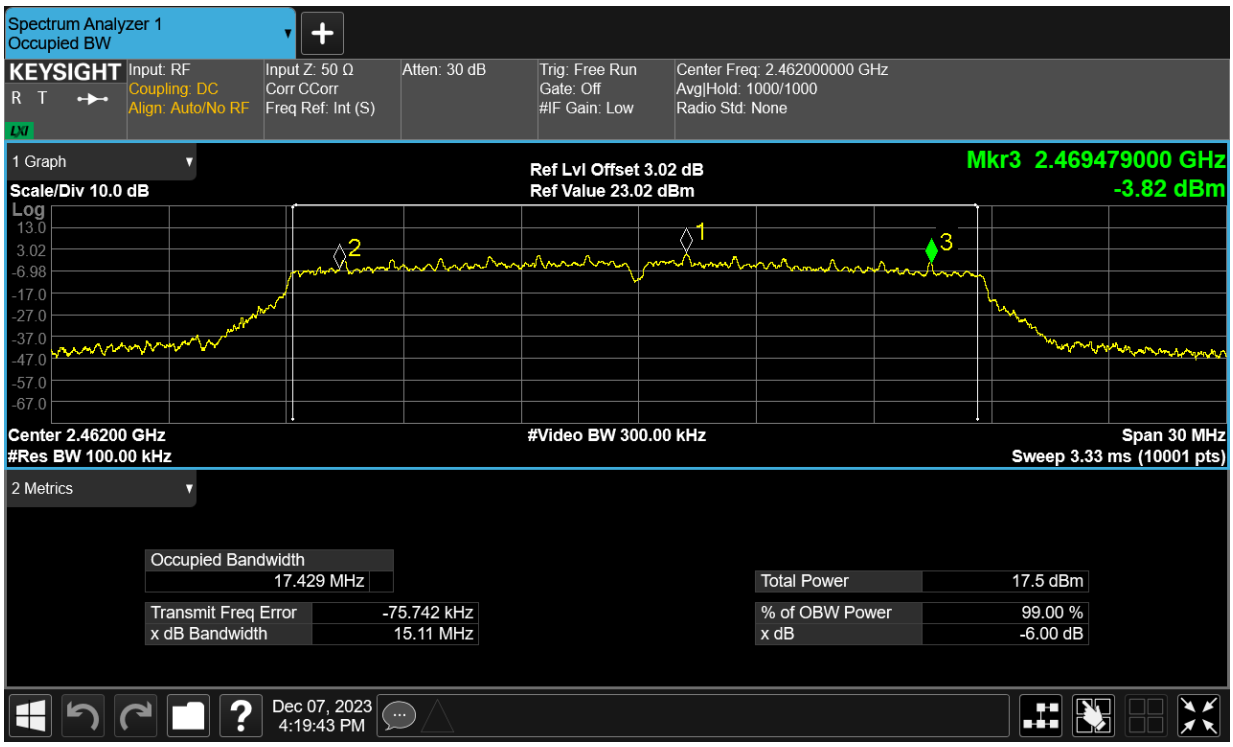
-6dB Bandwidth NVNT n20 2437MHz Ant2



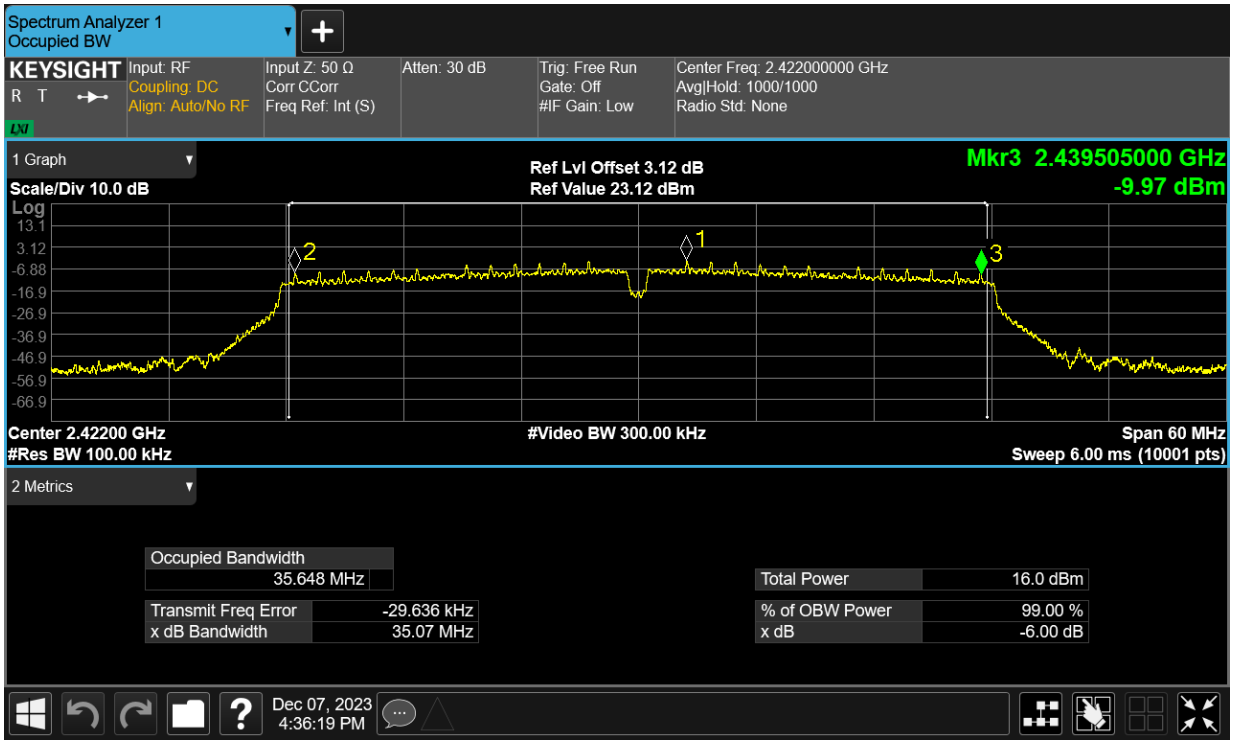
-6dB Bandwidth NVNT n20 2462MHz Ant1



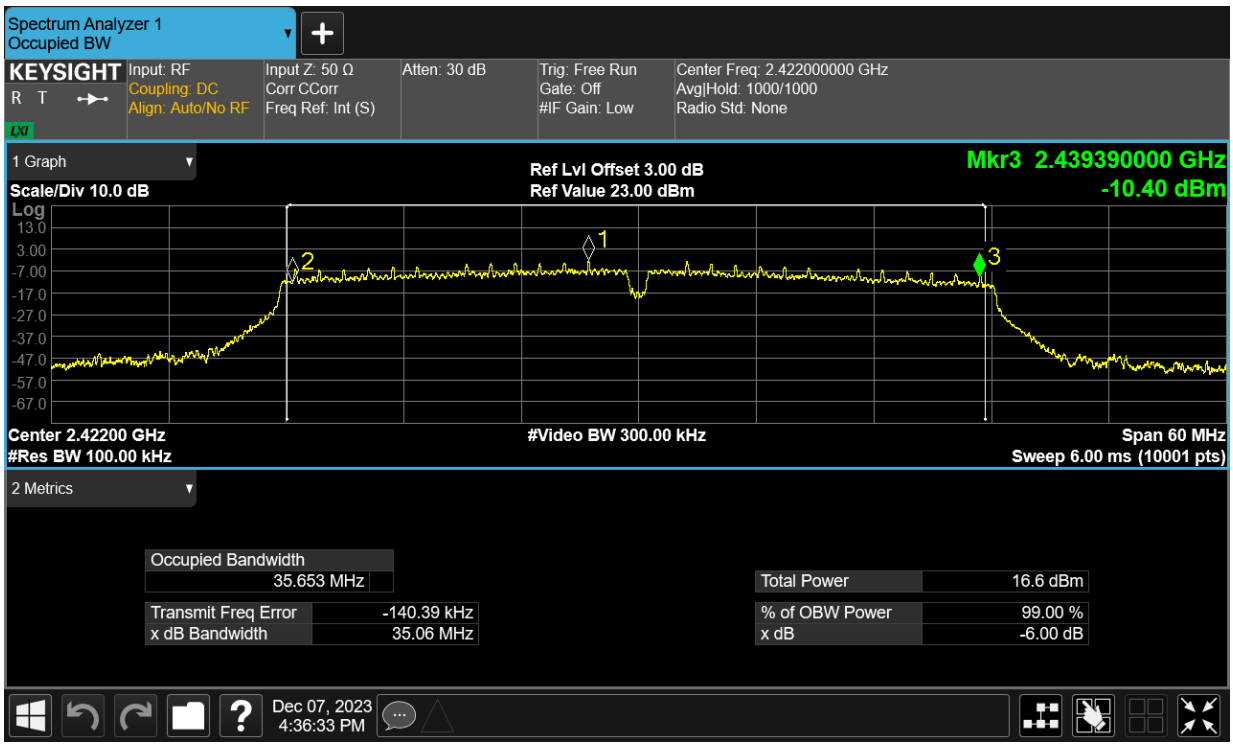
-6dB Bandwidth NVNT n20 2462MHz Ant2



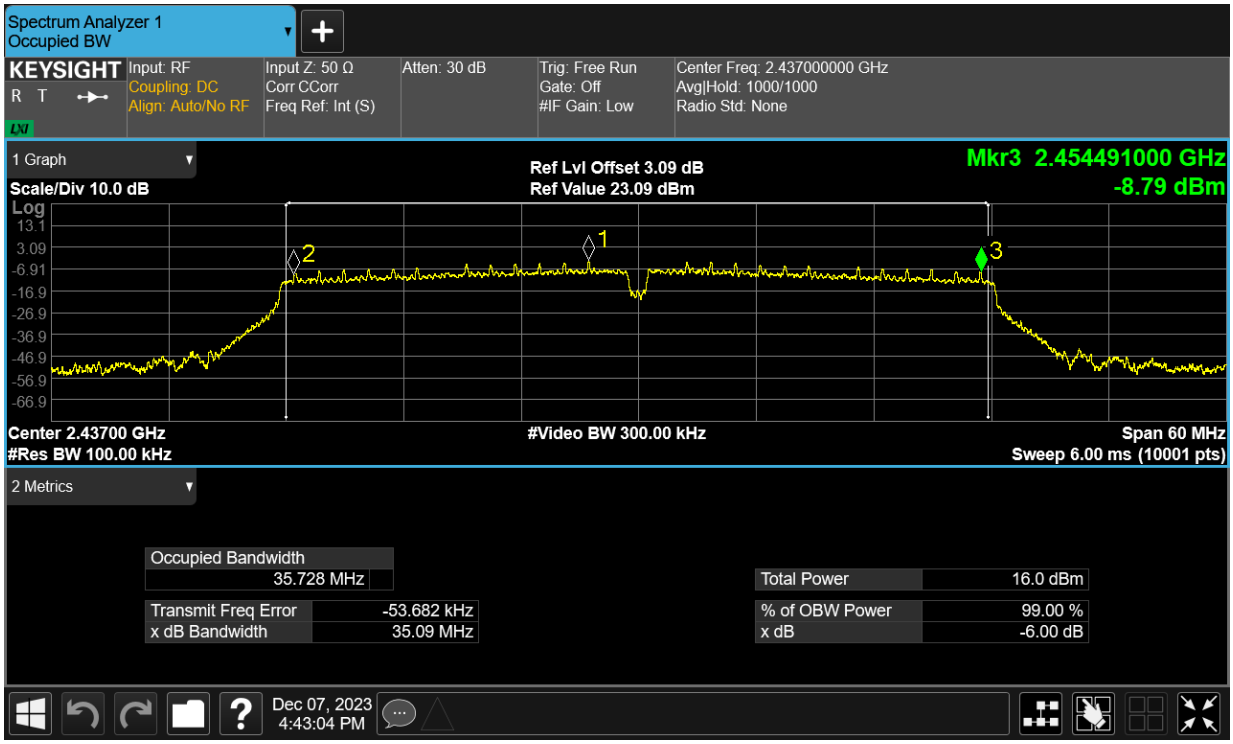
-6dB Bandwidth NVNT n40 2422MHz Ant1



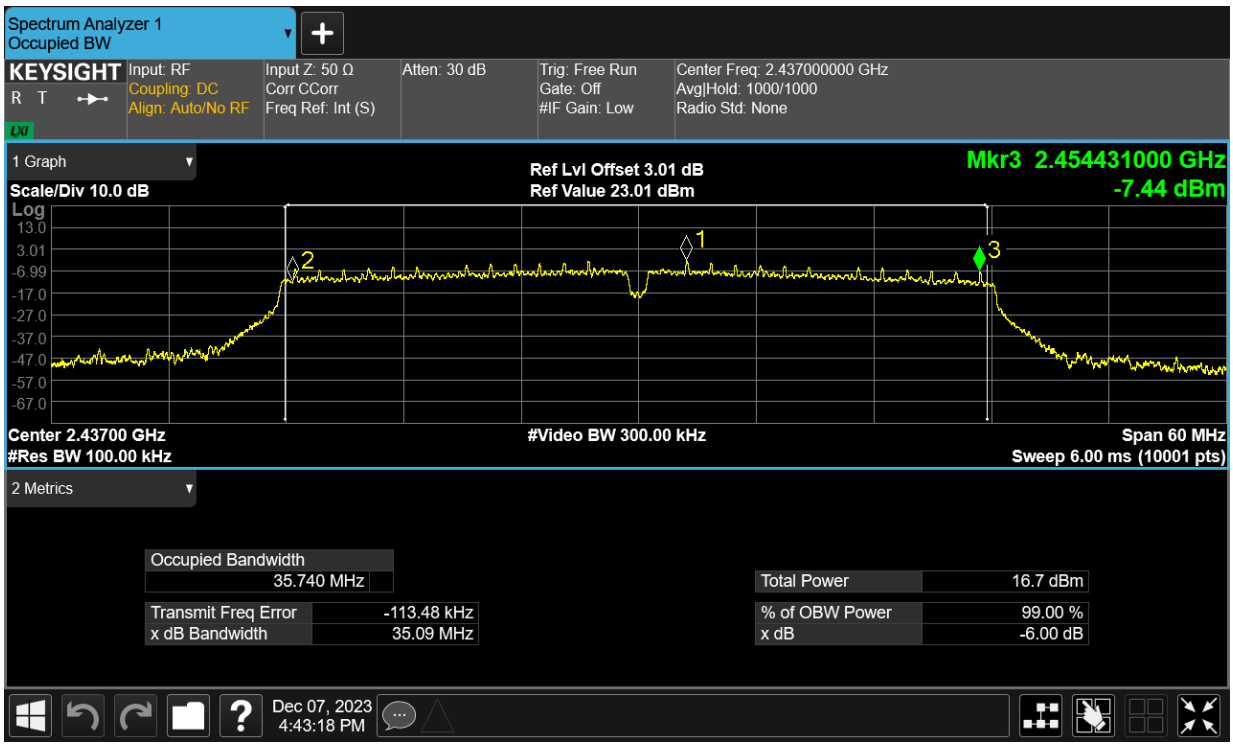
-6dB Bandwidth NVNT n40 2422MHz Ant2



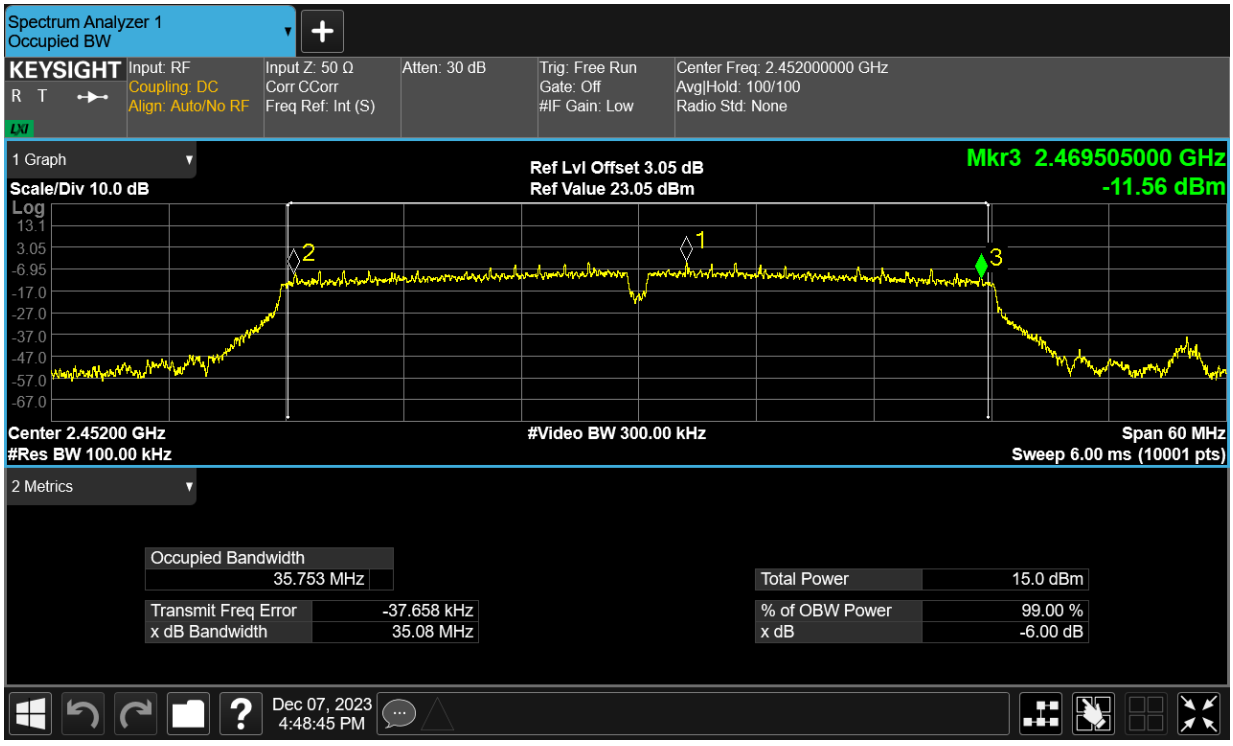
-6dB Bandwidth NVNT n40 2437MHz Ant1



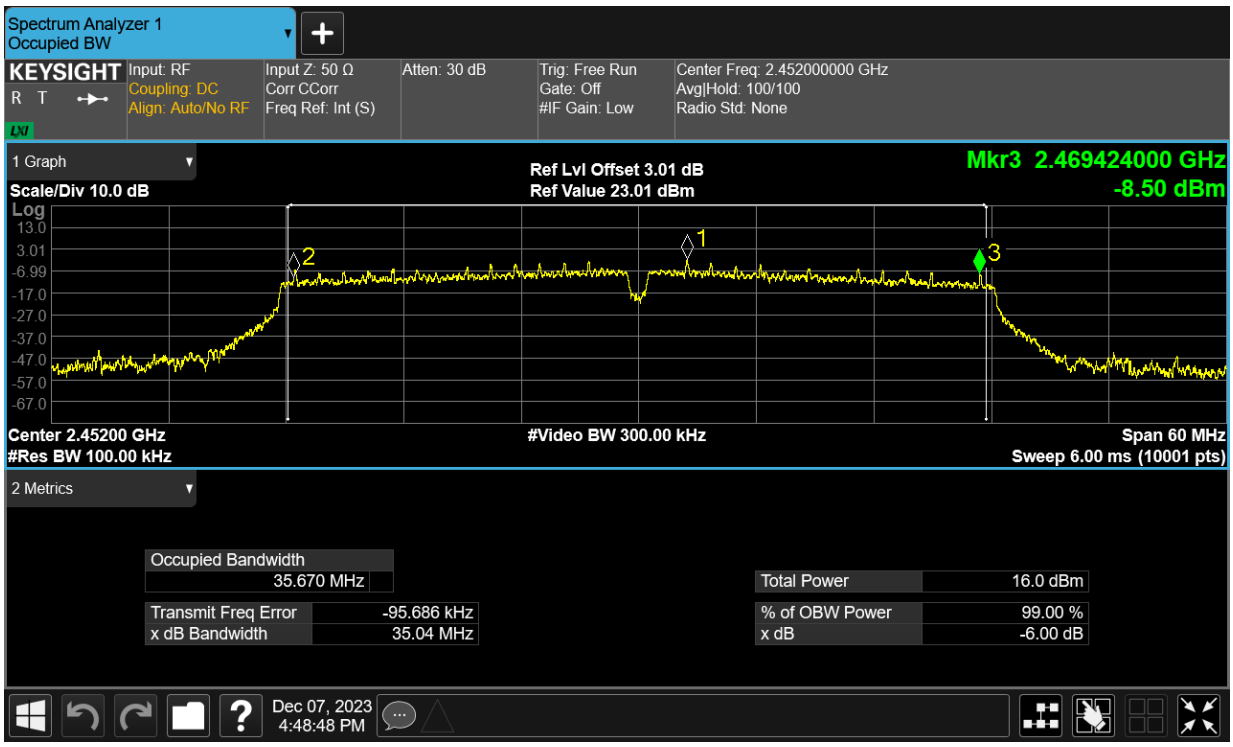
-6dB Bandwidth NVNT n40 2437MHz Ant2



-6dB Bandwidth NVNT n40 2452MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant2

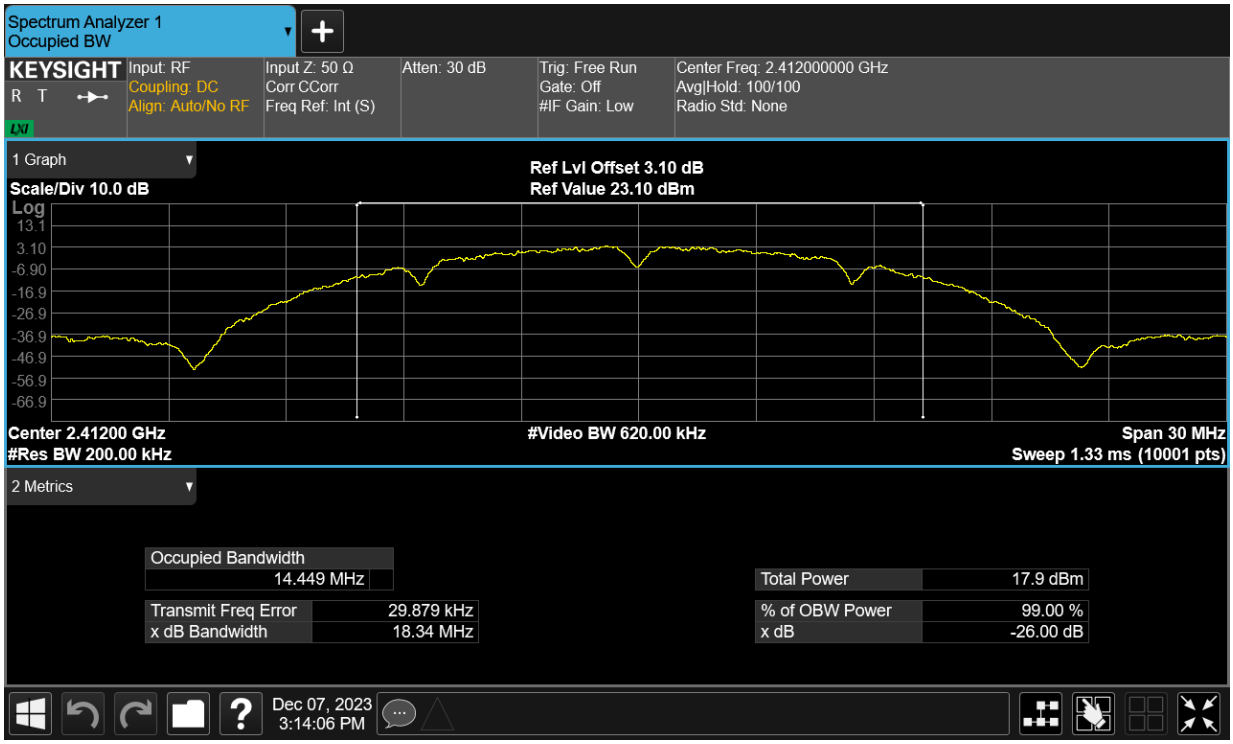


Occupied Channel Bandwidth

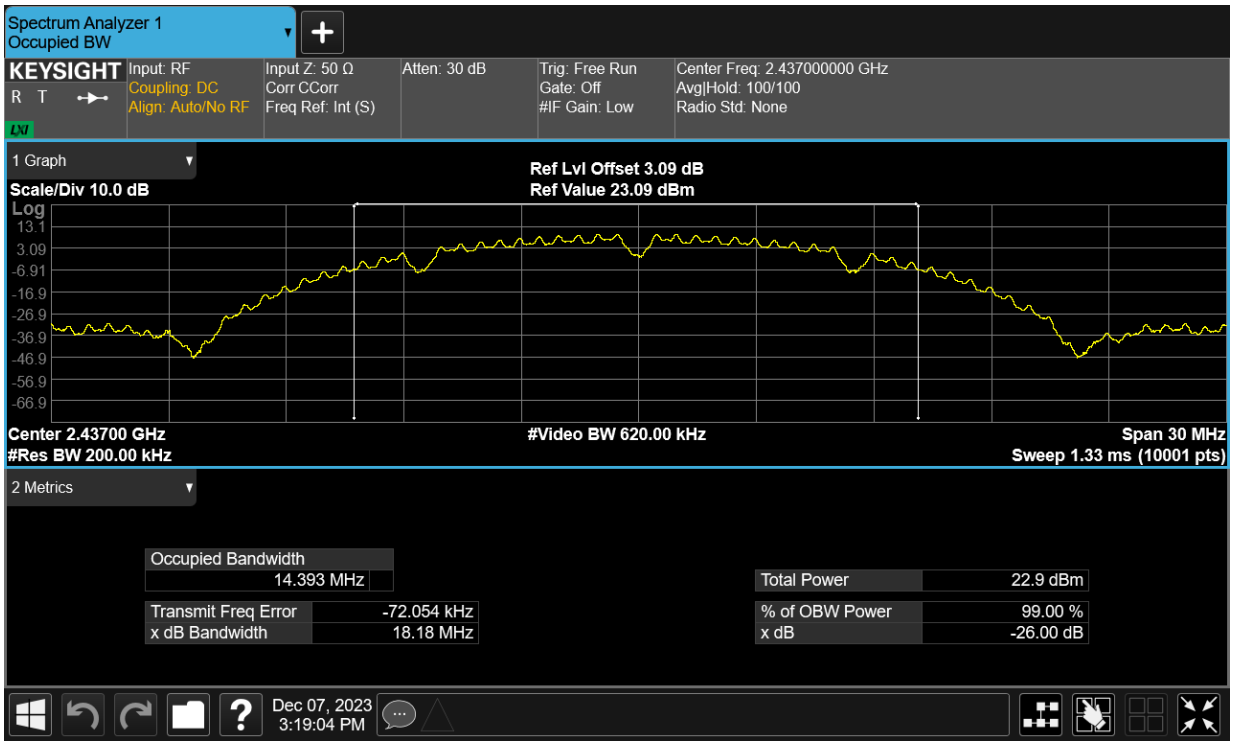
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.449
NVNT	b	2437	Ant1	14.393
NVNT	b	2462	Ant1	14.299
NVNT	b	2412	Ant2	14.38
NVNT	b	2437	Ant2	14.614
NVNT	b	2462	Ant2	14.575
NVNT	g	2412	Ant1	16.375
NVNT	g	2437	Ant1	16.374
NVNT	g	2462	Ant1	16.366
NVNT	g	2412	Ant2	16.366
NVNT	g	2437	Ant2	16.43
NVNT	g	2462	Ant2	16.412
NVNT	n20	2412	Ant1	17.454
NVNT	n20	2412	Ant2	17.409
NVNT	n20	2437	Ant1	17.461
NVNT	n20	2437	Ant2	17.431
NVNT	n20	2462	Ant1	17.443
NVNT	n20	2462	Ant2	17.418
NVNT	n40	2422	Ant1	35.835
NVNT	n40	2422	Ant2	35.766
NVNT	n40	2437	Ant1	35.915
NVNT	n40	2437	Ant2	35.809
NVNT	n40	2452	Ant1	35.826
NVNT	n40	2452	Ant2	35.747

Test Graphs

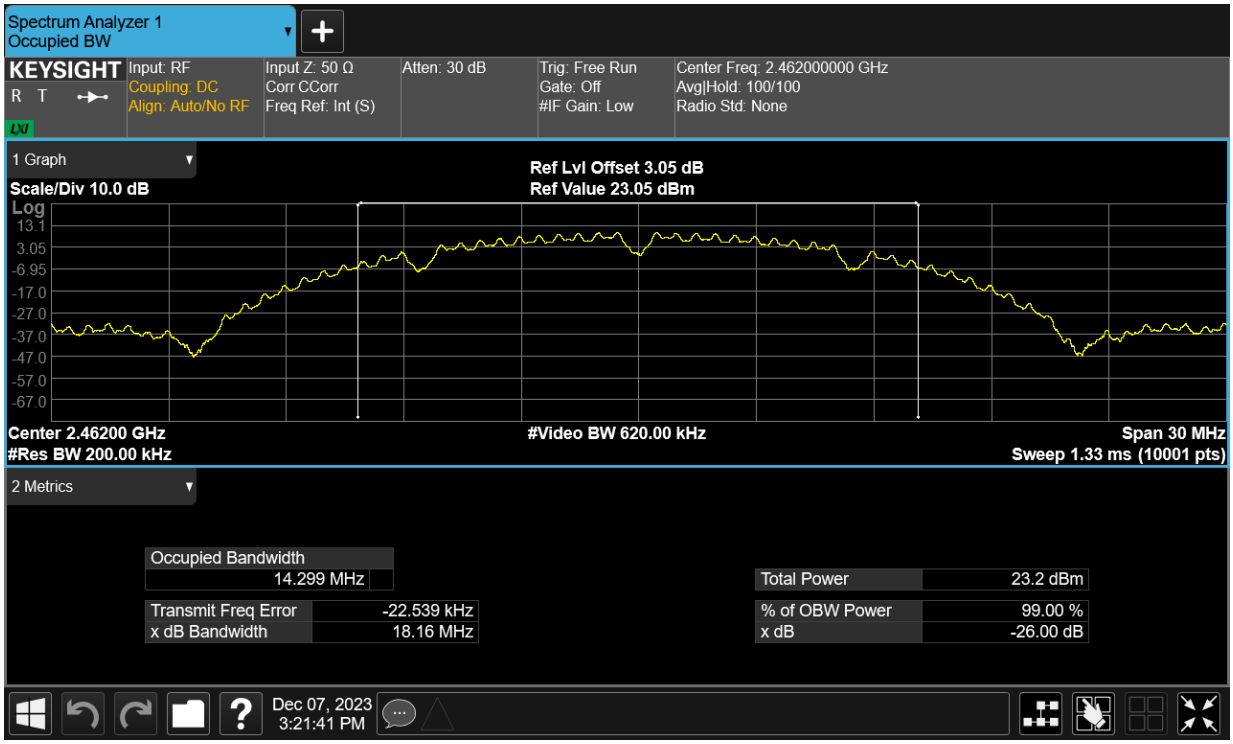
OBW NVNT b 2412MHz Ant1



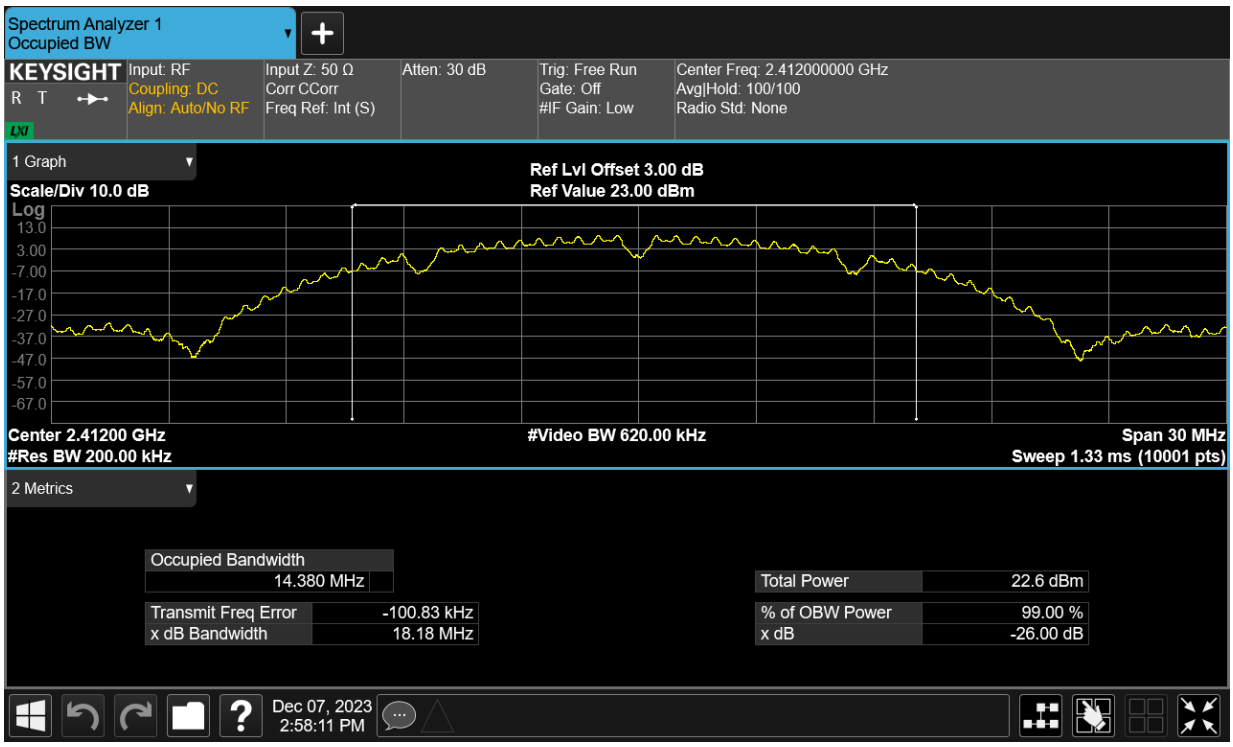
OBW NVNT b 2437MHz Ant1



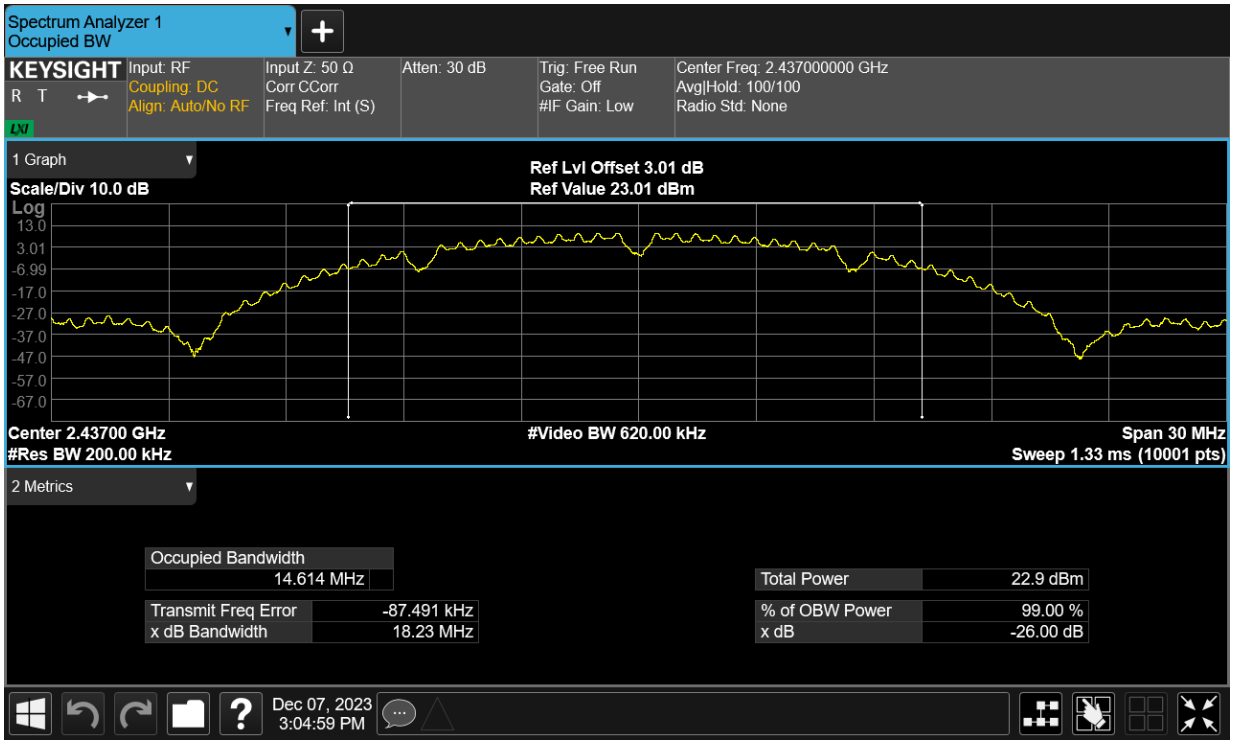
OBW NVNT b 2462MHz Ant1



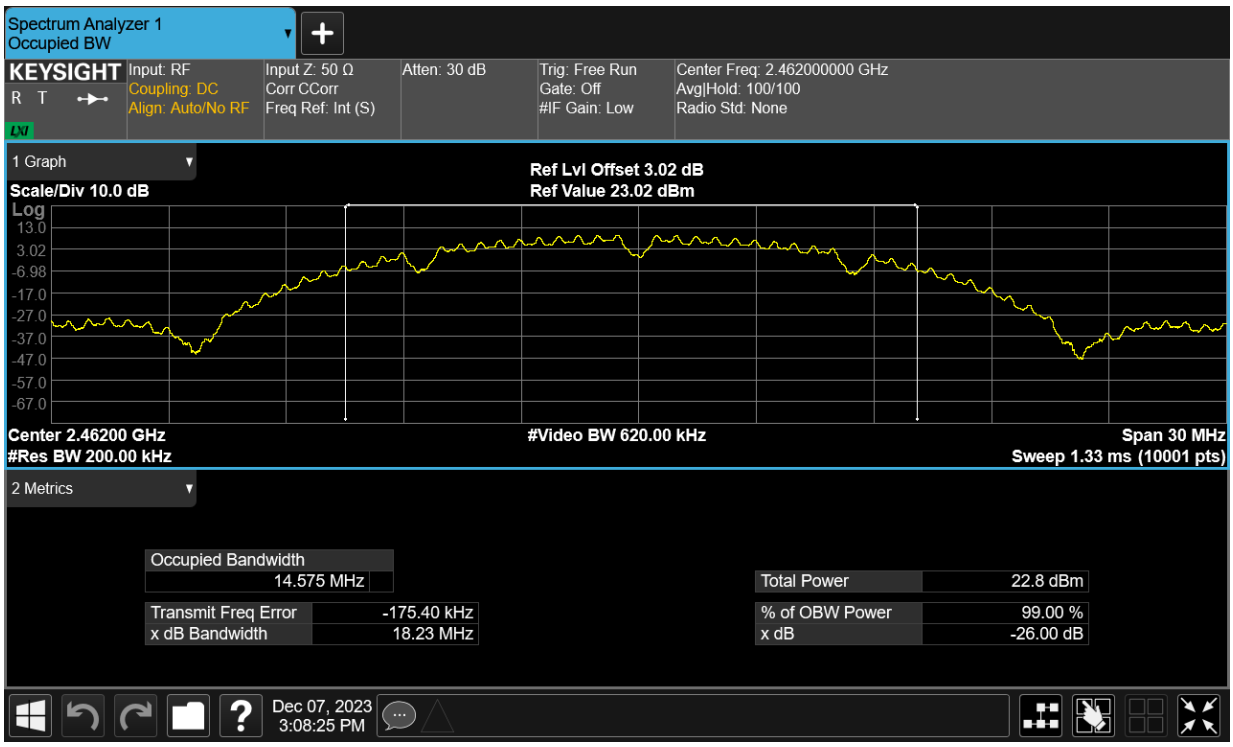
OBW NVNT b 2412MHz Ant2



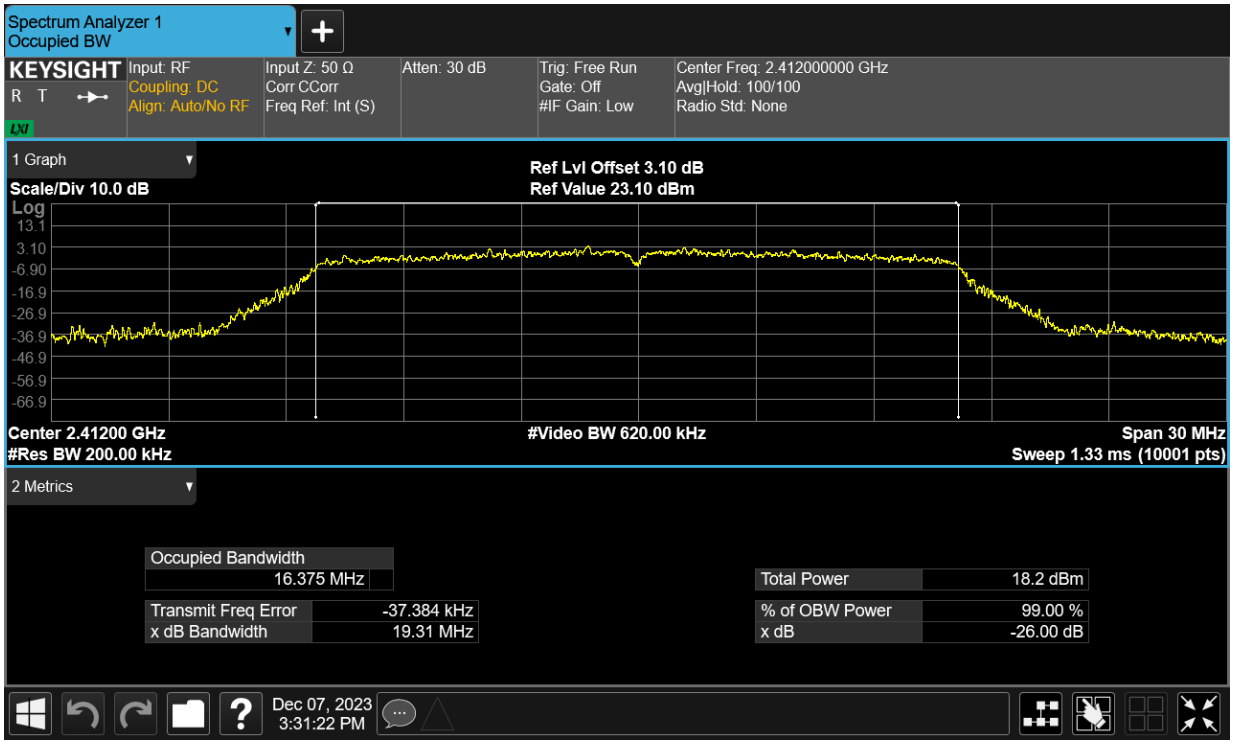
OBW NVNT b 2437MHz Ant2



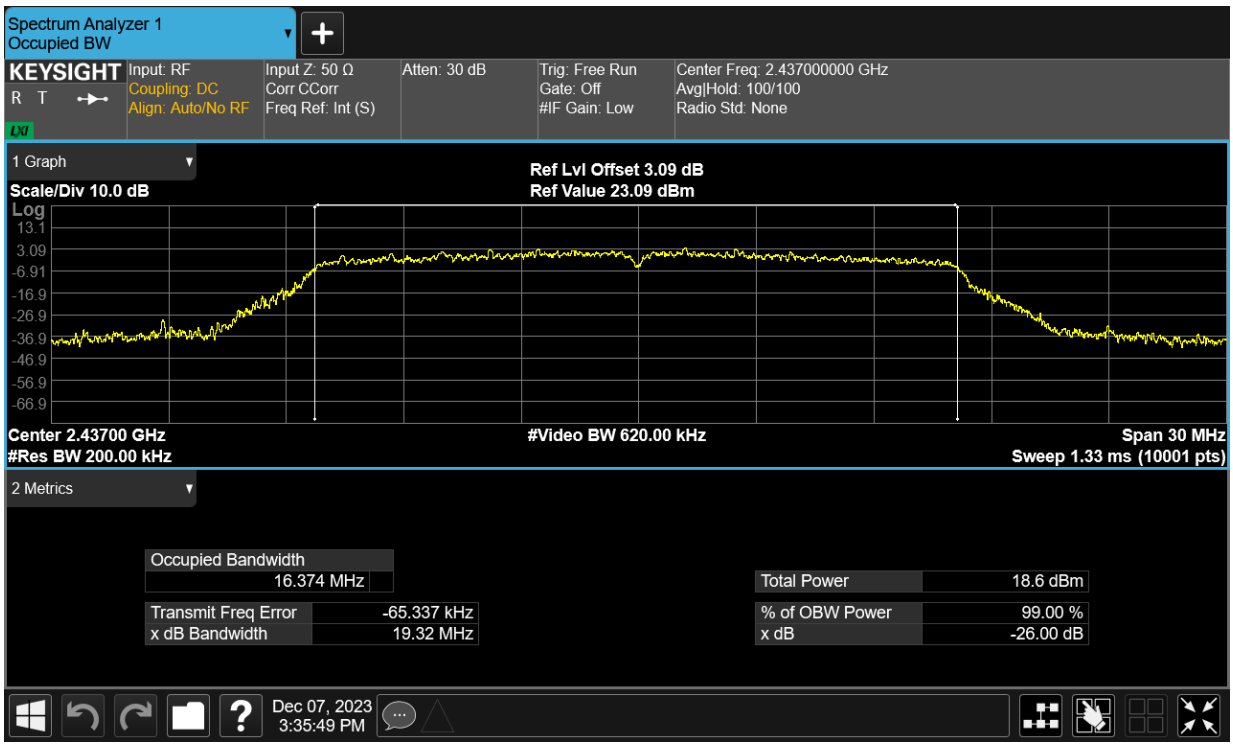
OBW NVNT b 2462MHz Ant2



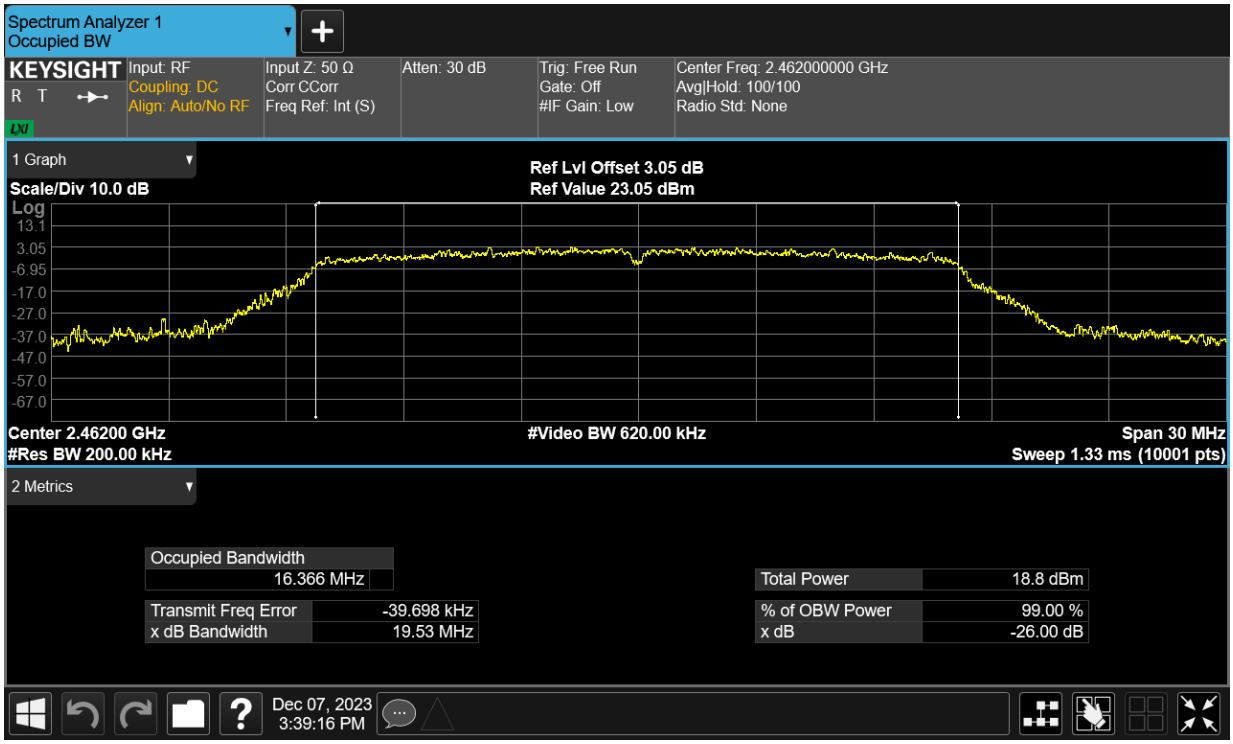
OBW NVNT g 2412MHz Ant1



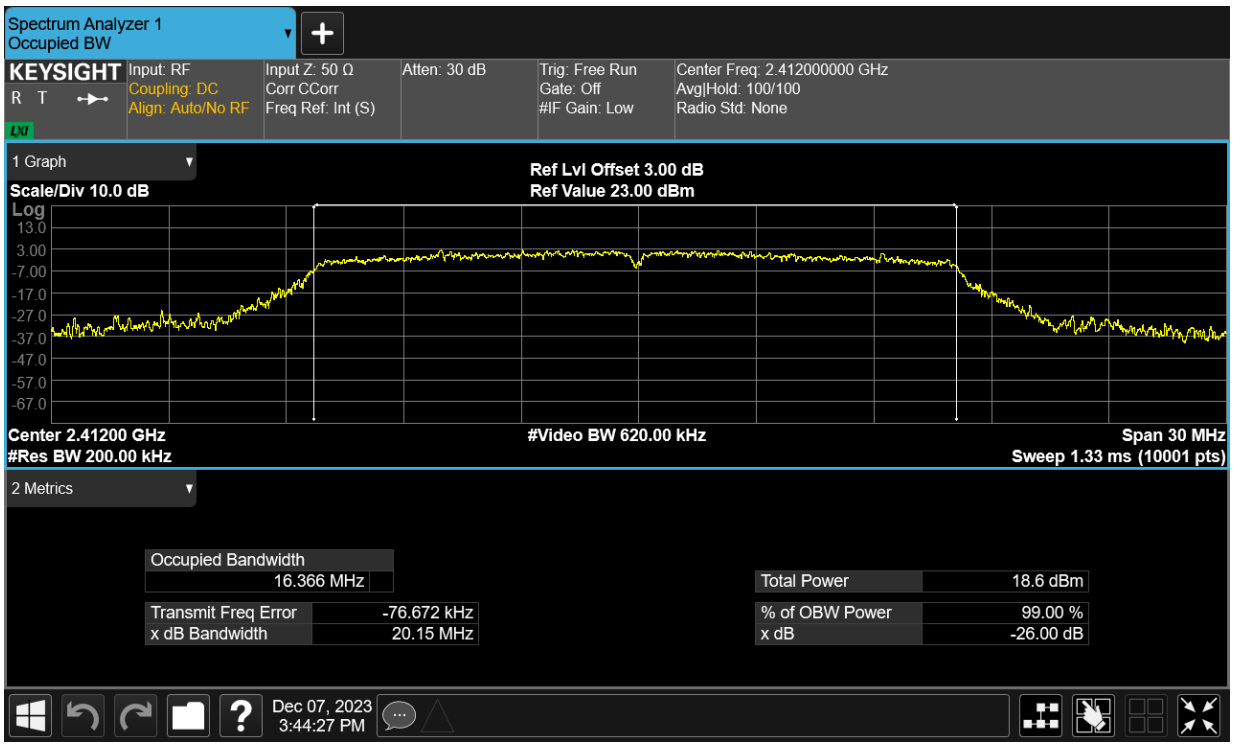
OBW NVNT g 2437MHz Ant1



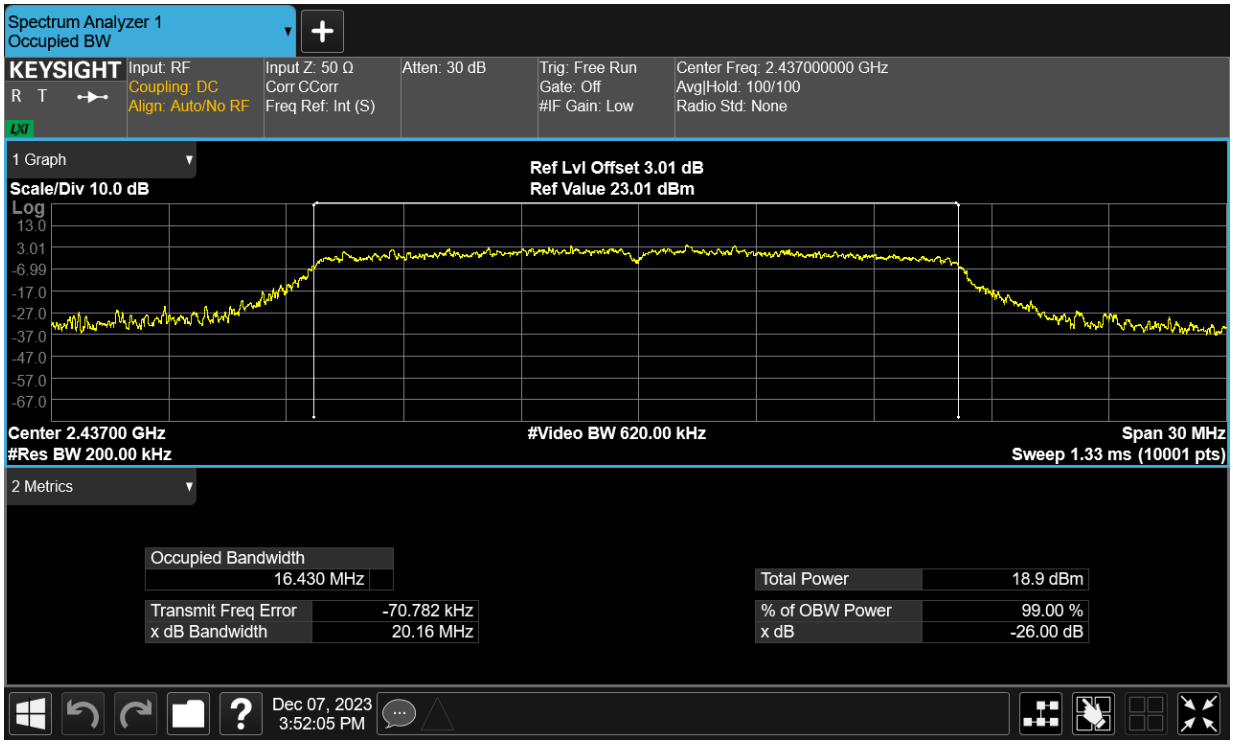
OBW NVNT g 2462MHz Ant1



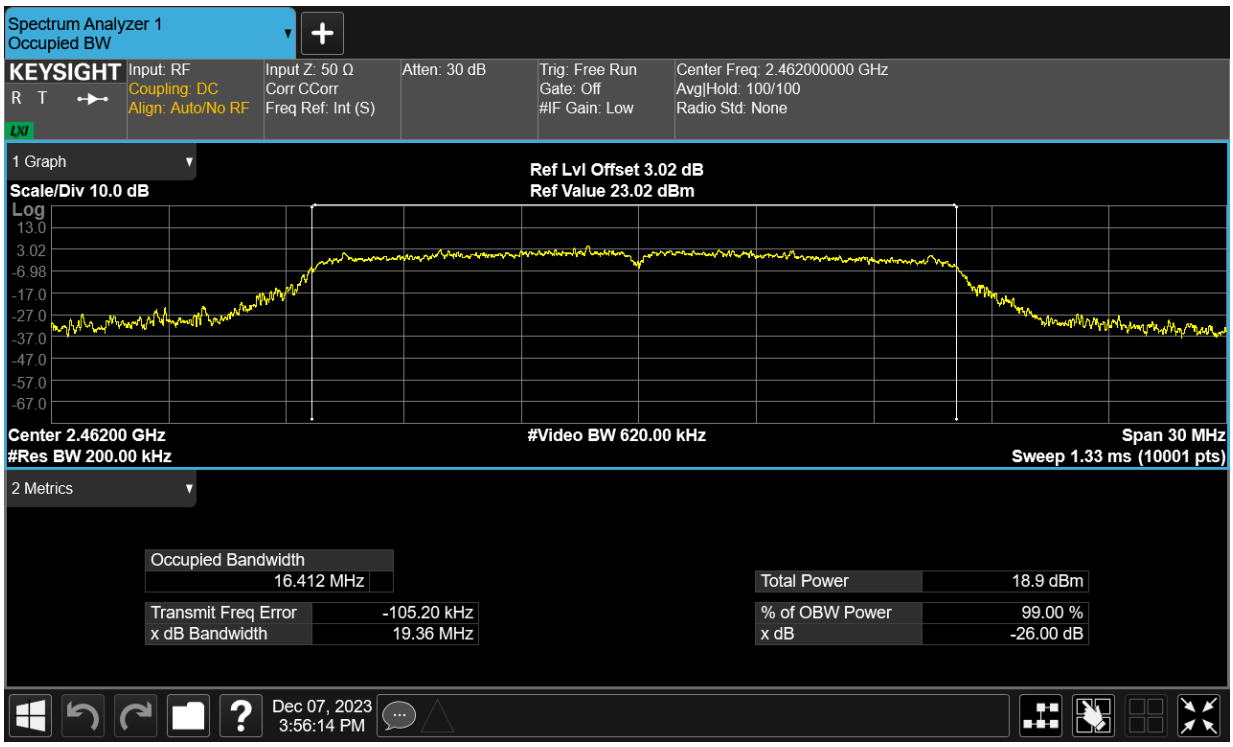
OBW NVNT g 2412MHz Ant2



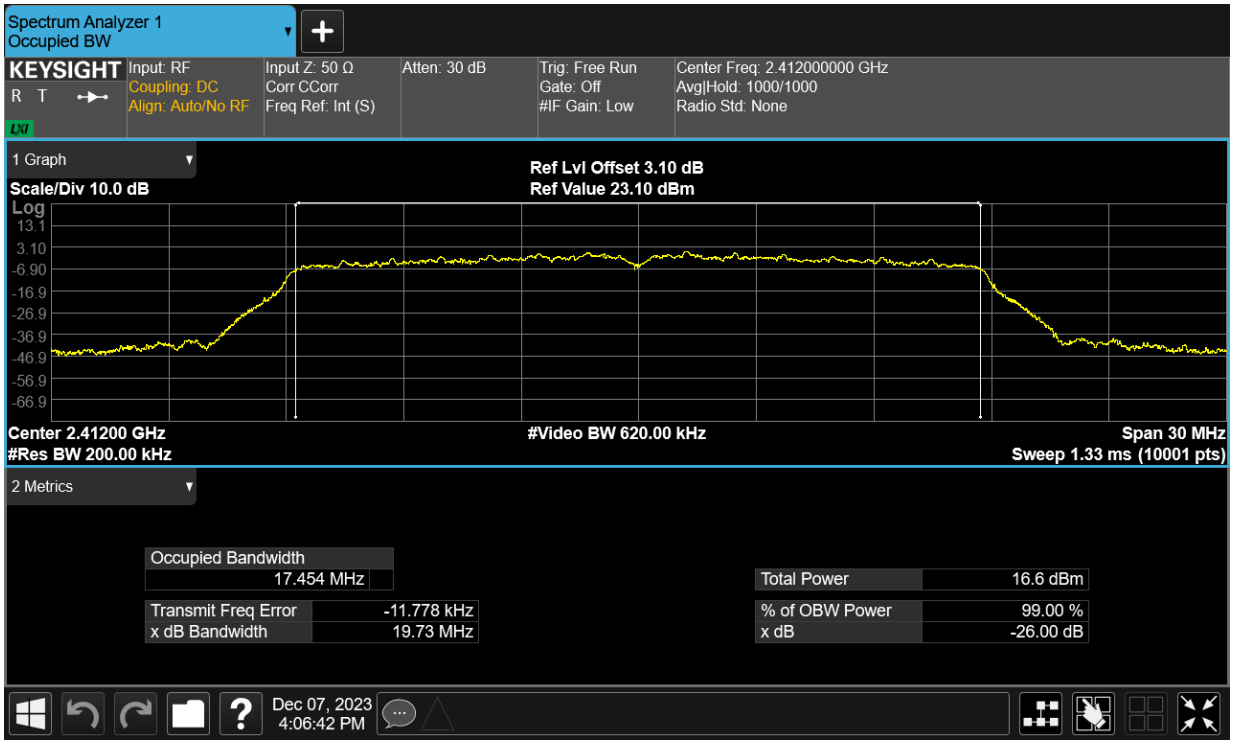
OBW NVNT g 2437MHz Ant2



OBW NVNT g 2462MHz Ant2



OBW NVNT n20 2412MHz Ant1



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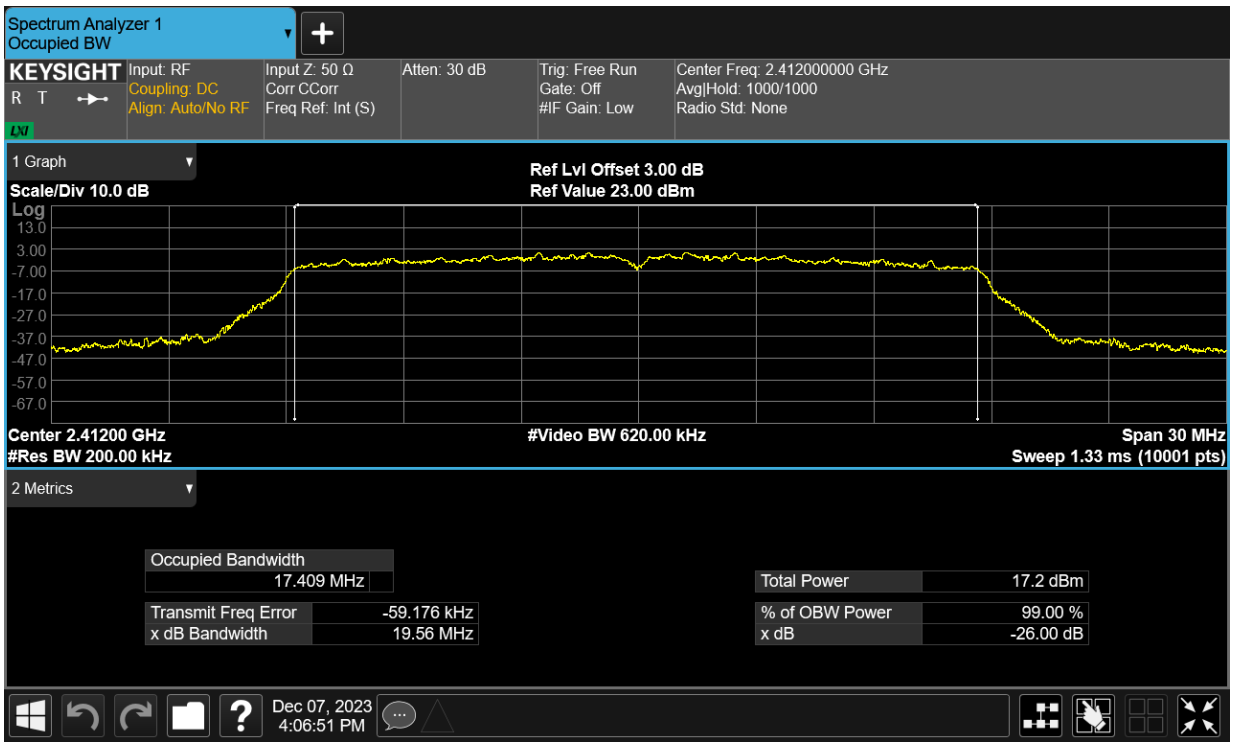
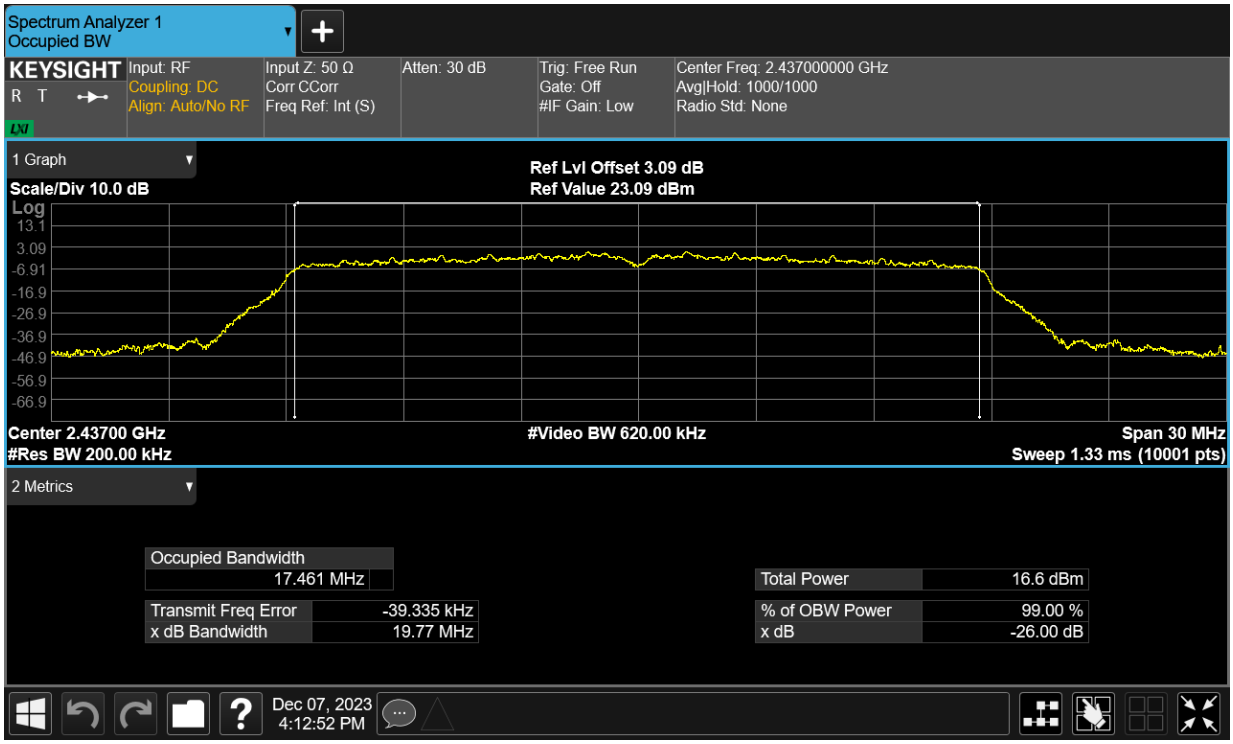


OBW NVNT n20 2437MHz Ant1



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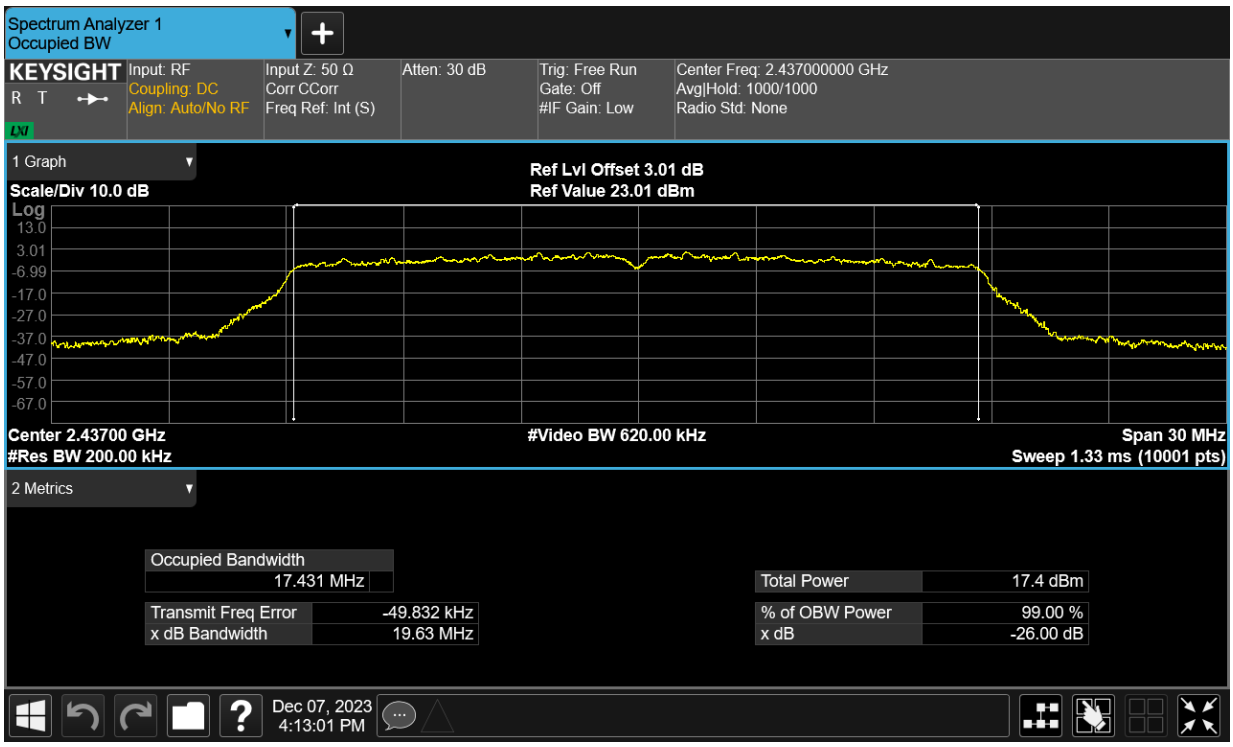
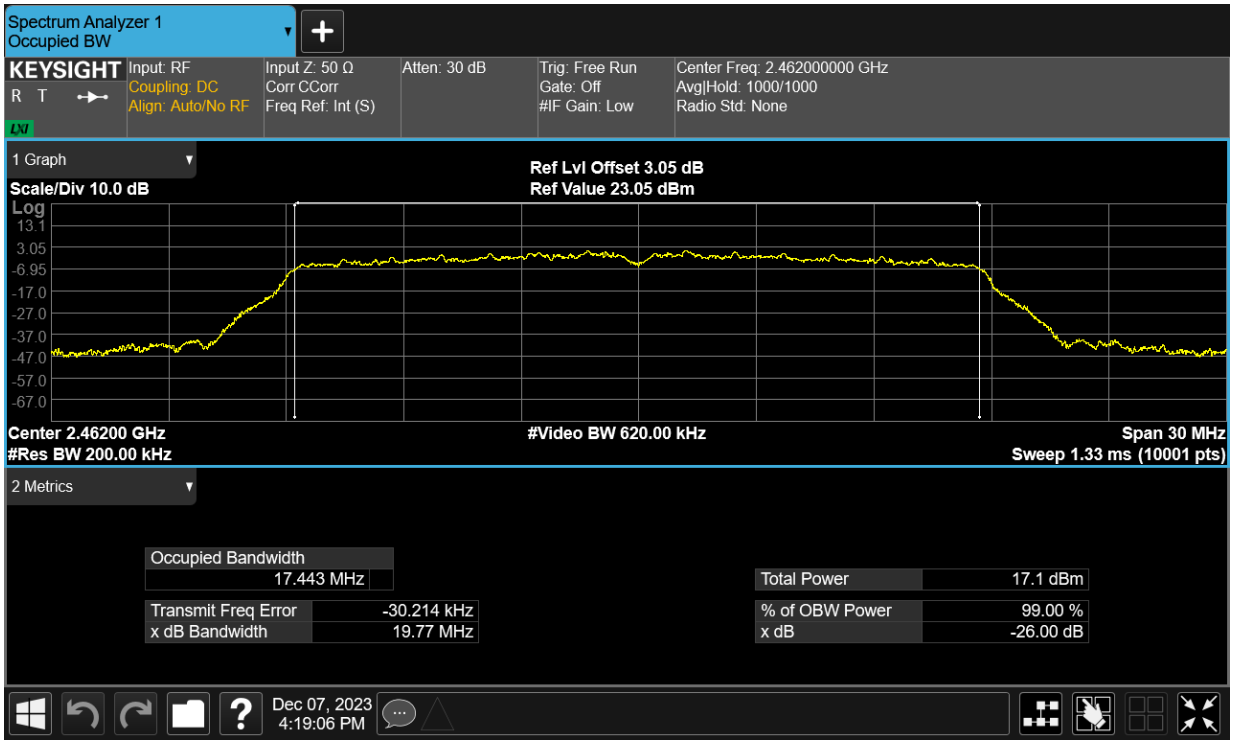
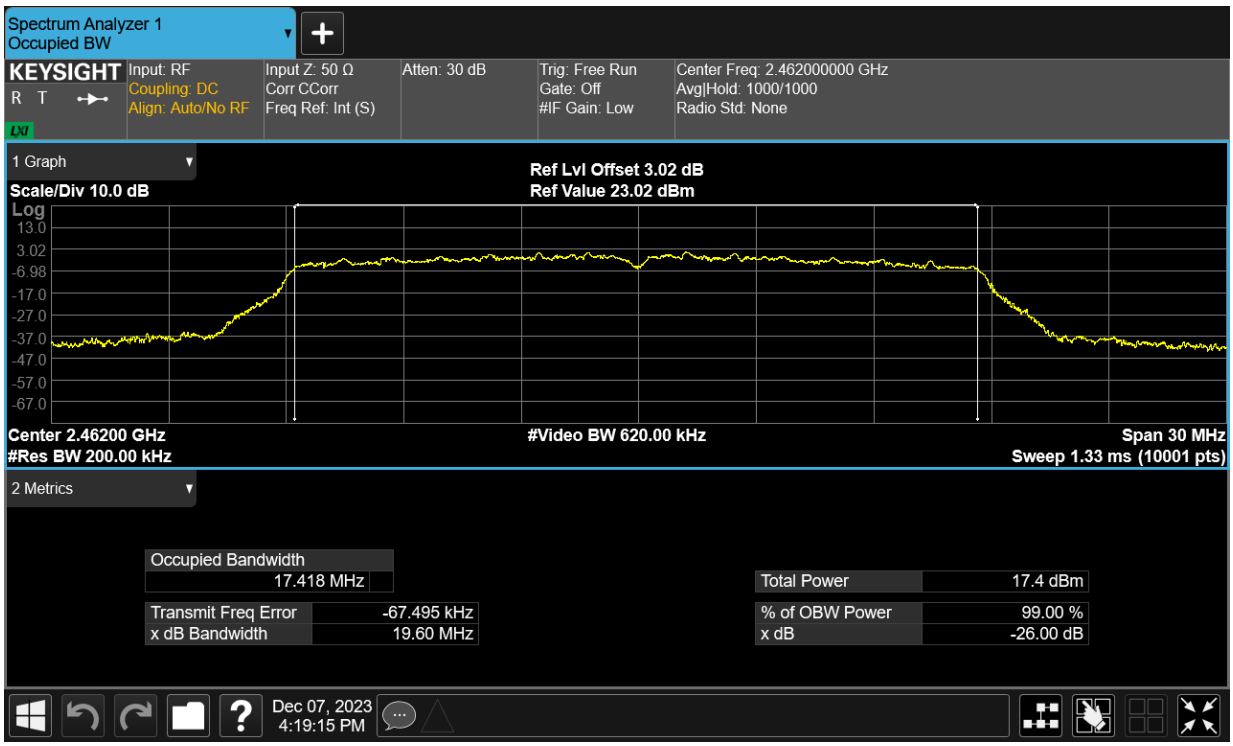


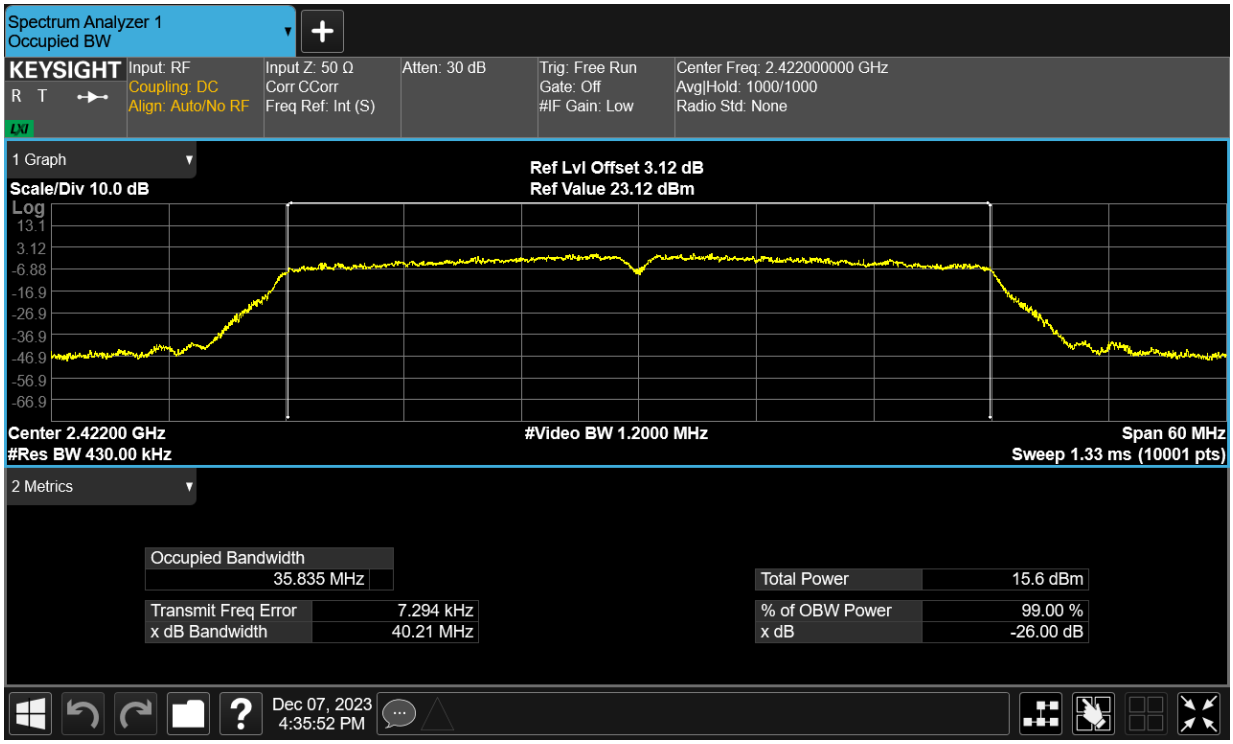
OBW NVNT n20 2462MHz Ant1



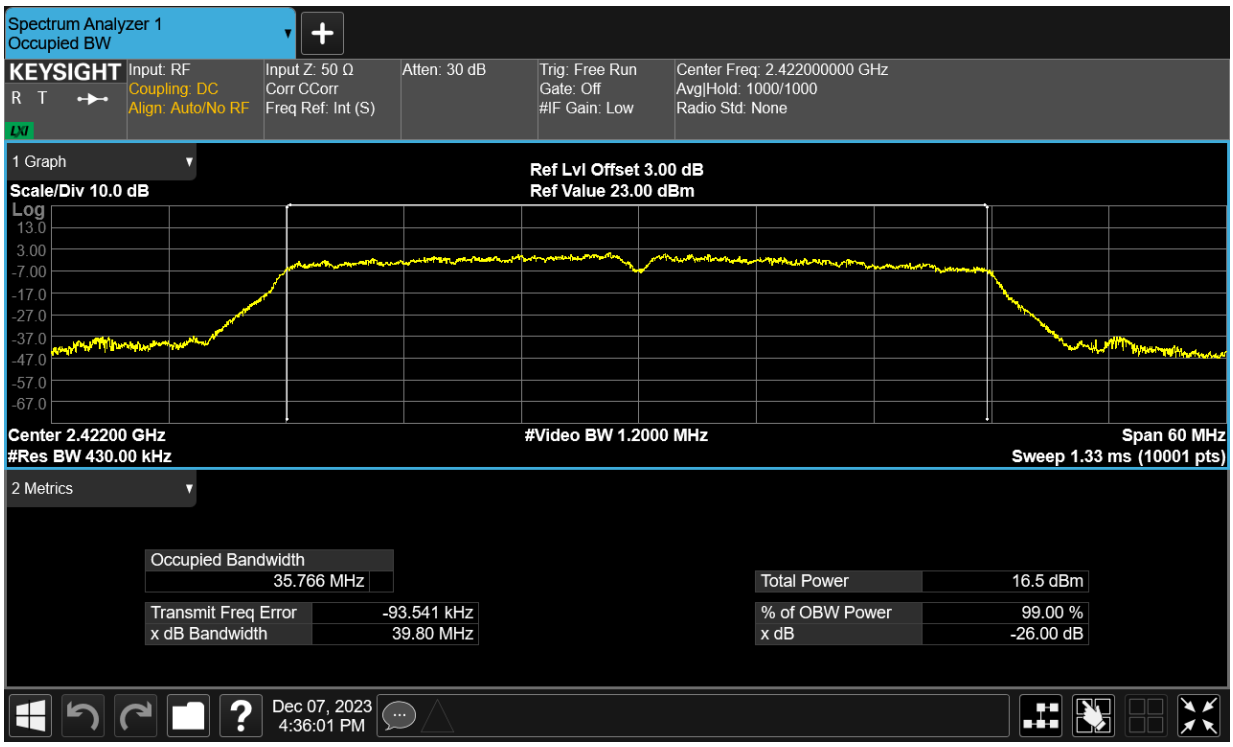
OBW NVNT n20 2462MHz Ant2



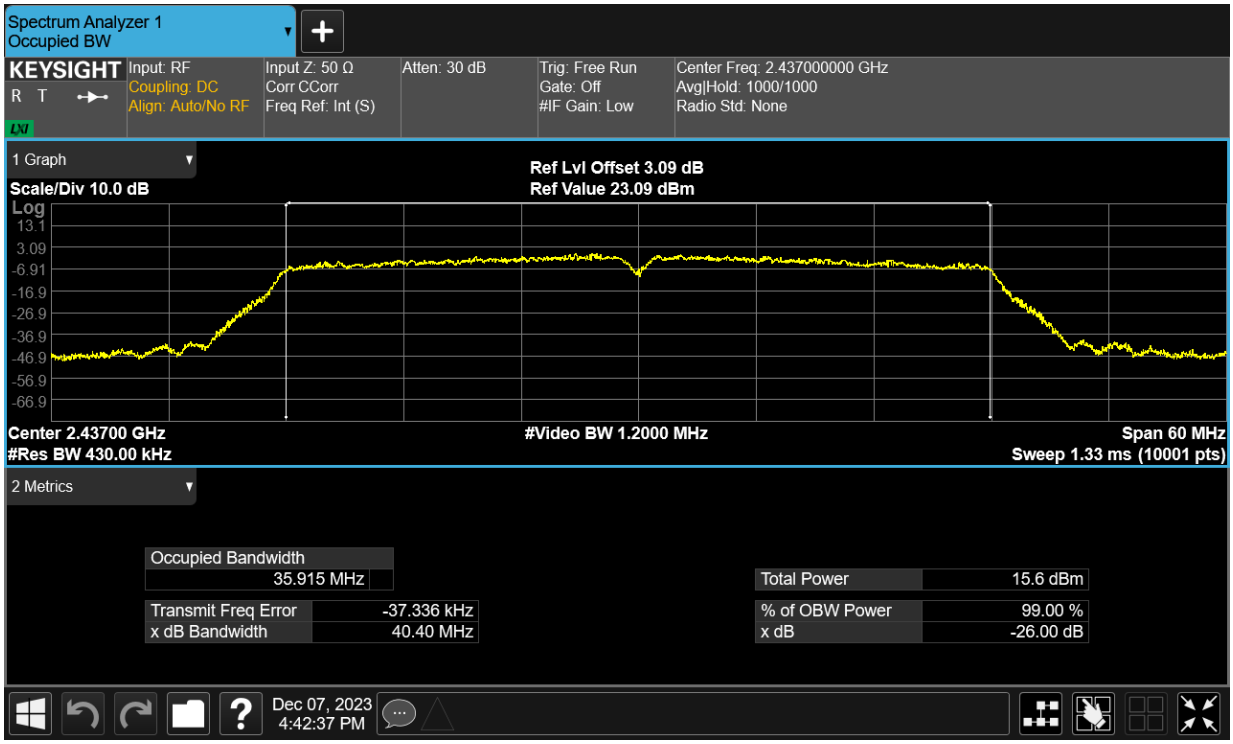
OBW NVNT n40 2422MHz Ant1



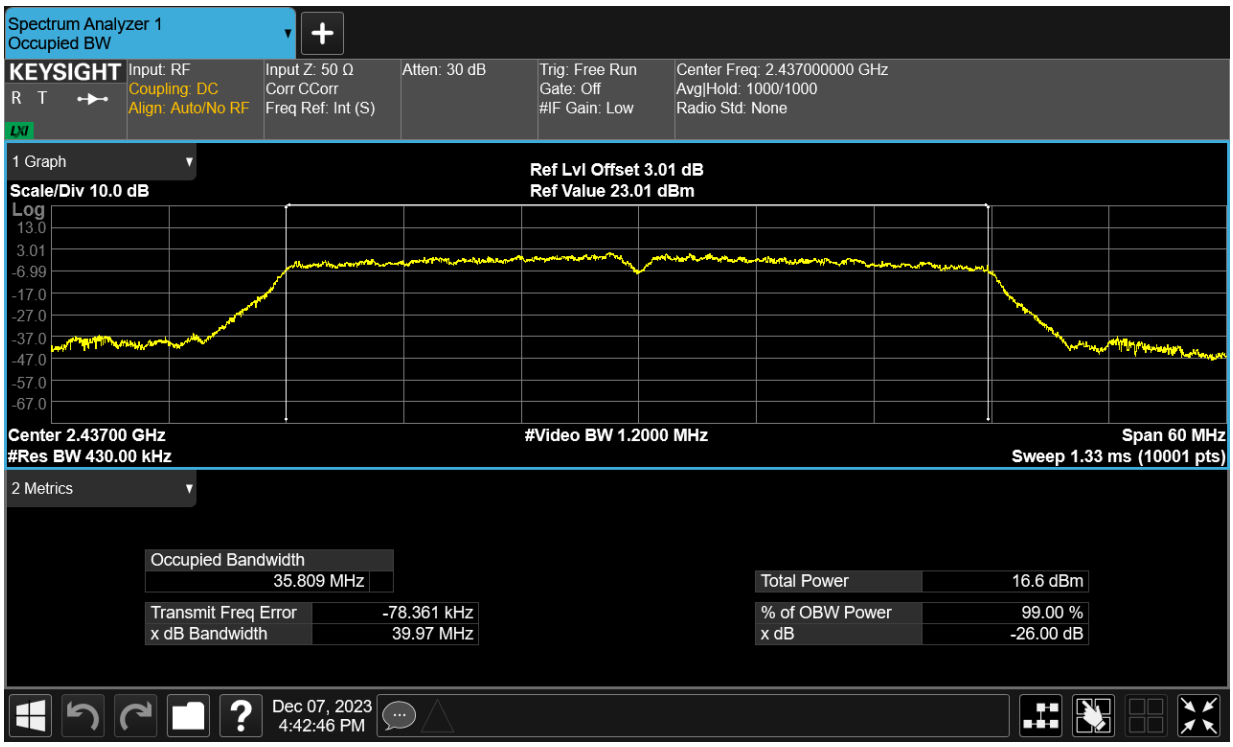
OBW NVNT n40 2422MHz Ant2



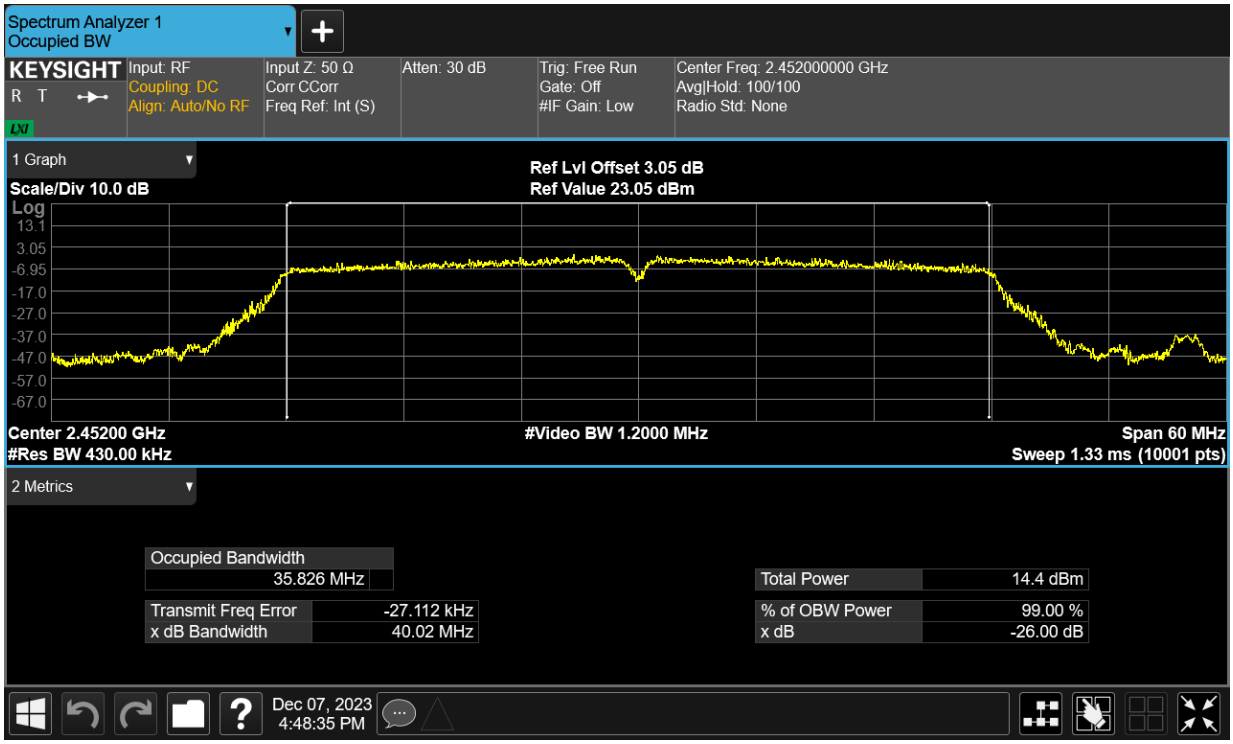
OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2437MHz Ant2



OBW NVNT n40 2452MHz Ant1



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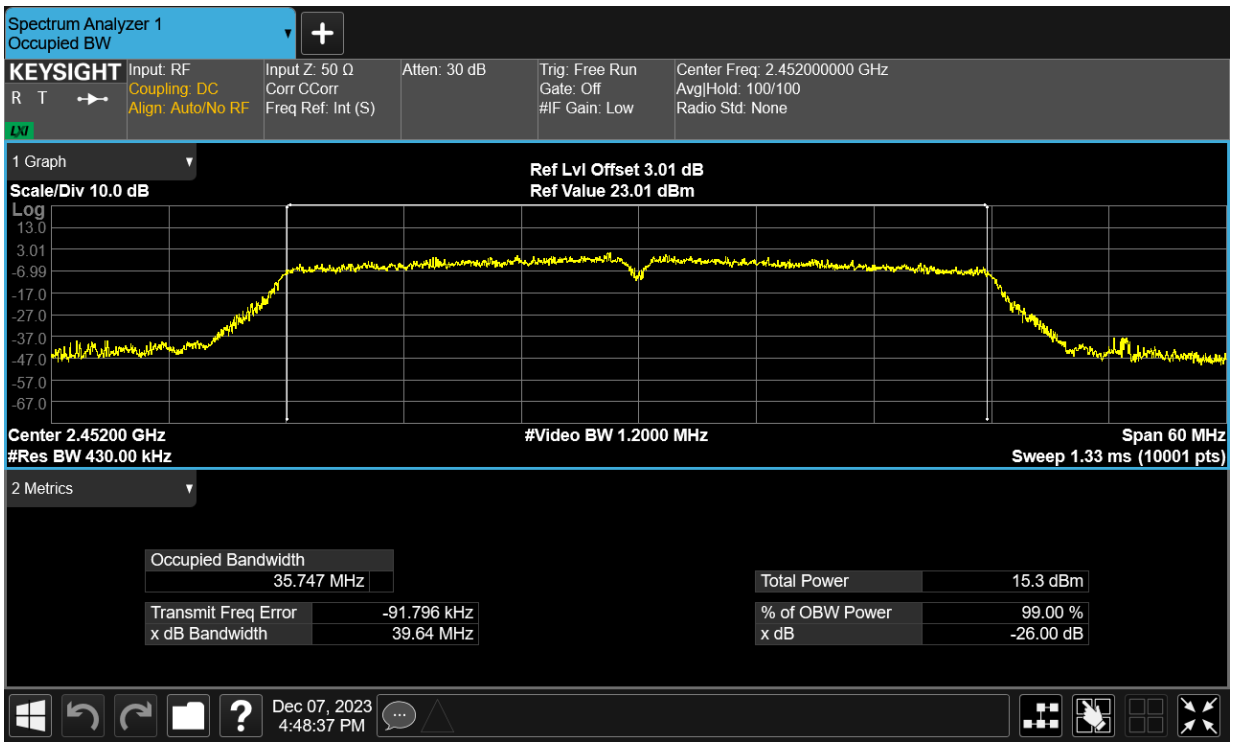
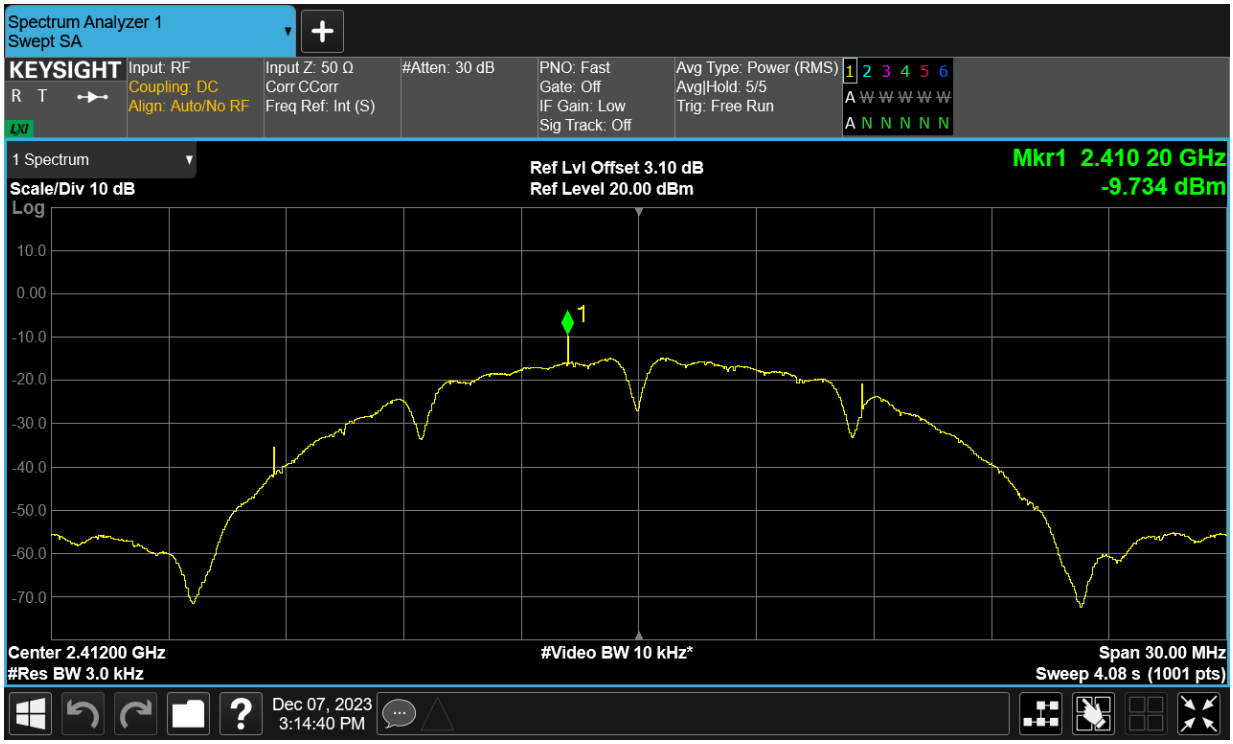


Maximum Power Spectral Density Level

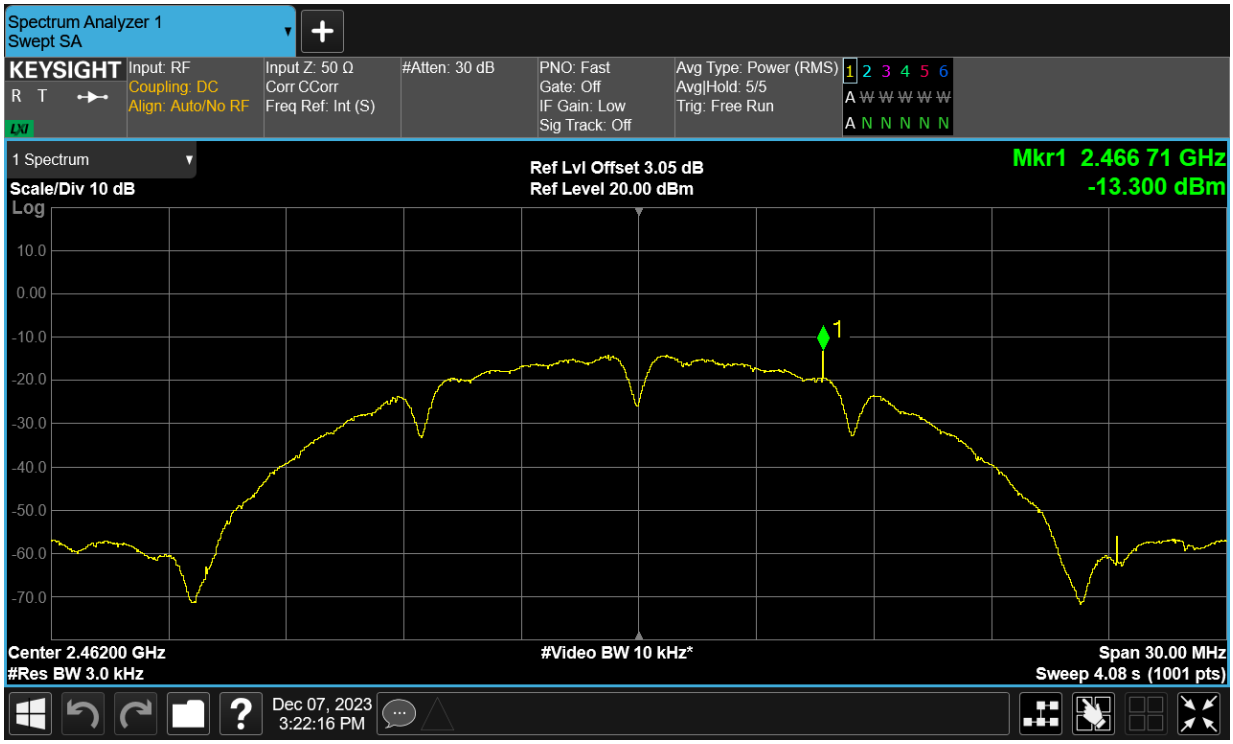
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-9.734	8	Pass
NVNT	b	2437	Ant1	-14.529	8	Pass
NVNT	b	2462	Ant1	-13.3	8	Pass
NVNT	b	2412	Ant2	-10.947	8	Pass
NVNT	b	2437	Ant2	-10.485	8	Pass
NVNT	b	2462	Ant2	-14.186	8	Pass
NVNT	g	2412	Ant1	-21.07	8	Pass
NVNT	g	2437	Ant1	-20.801	8	Pass
NVNT	g	2462	Ant1	-20.206	8	Pass
NVNT	g	2412	Ant2	-20.316	8	Pass
NVNT	g	2437	Ant2	-20.368	8	Pass
NVNT	g	2462	Ant2	-20.339	8	Pass
NVNT	n20	2412	Ant1	-23.851	8	Pass
NVNT	n20	2412	Ant2	-22.546	8	Pass
NVNT	n20	2412	Sum	-20.139	8	Pass
NVNT	n20	2437	Ant1	-23.58	8	Pass
NVNT	n20	2437	Ant2	-22.416	8	Pass
NVNT	n20	2437	Sum	-19.949	8	Pass
NVNT	n20	2462	Ant1	-23.075	8	Pass
NVNT	n20	2462	Ant2	-22.748	8	Pass
NVNT	n20	2462	Sum	-19.898	8	Pass
NVNT	n40	2422	Ant1	-28.485	8	Pass
NVNT	n40	2422	Ant2	-27.8	8	Pass
NVNT	n40	2422	Sum	-25.119	8	Pass
NVNT	n40	2437	Ant1	-28.773	8	Pass
NVNT	n40	2437	Ant2	-27.862	8	Pass
NVNT	n40	2437	Sum	-25.283	8	Pass
NVNT	n40	2452	Ant1	-28.873	8	Pass
NVNT	n40	2452	Ant2	-27.567	8	Pass
NVNT	n40	2452	Sum	-25.161	8	Pass

Test Graphs
PSD NVNT b 2412MHz Ant1

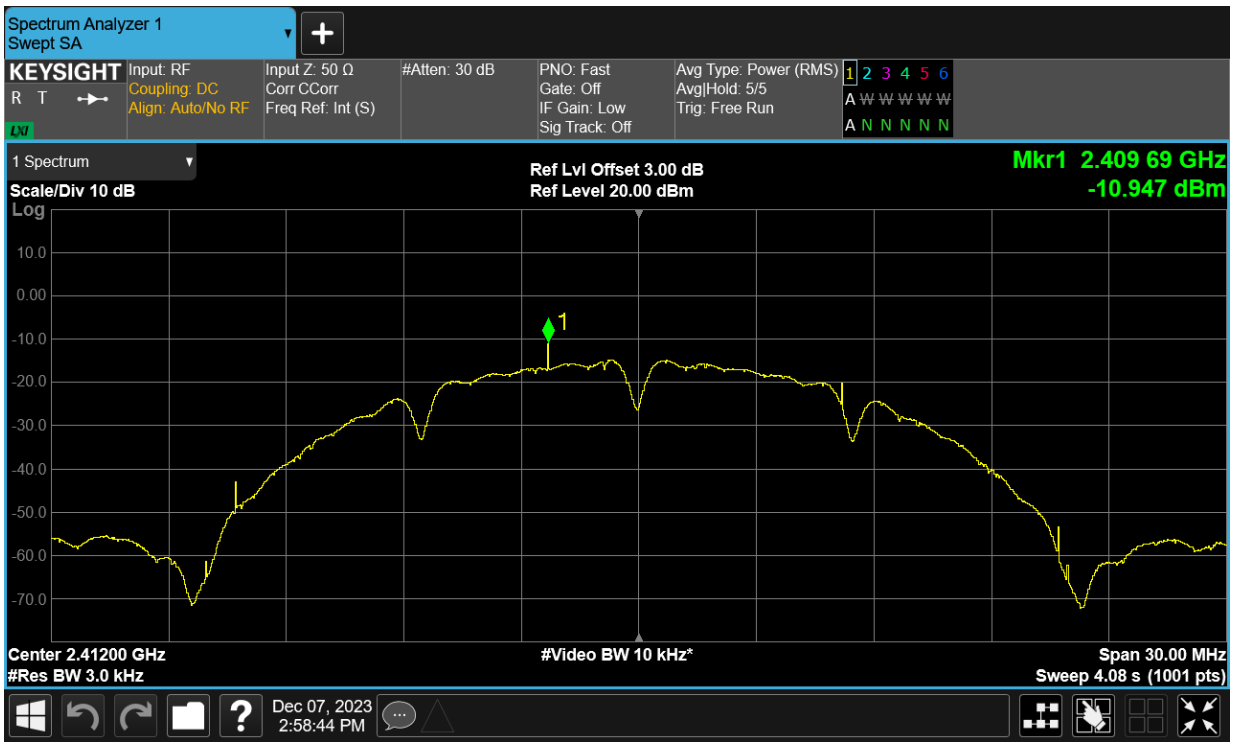


PSD NVNT b 2437MHz Ant1

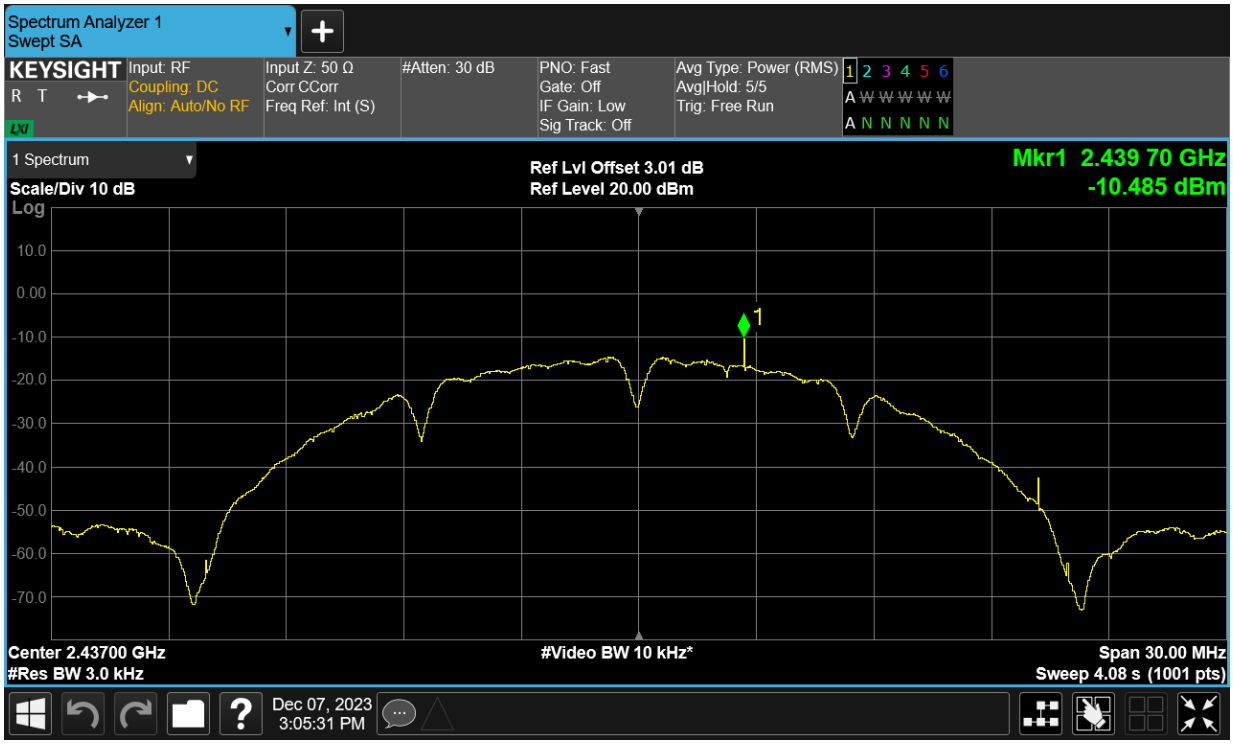
PSD NVNT b 2462MHz Ant1



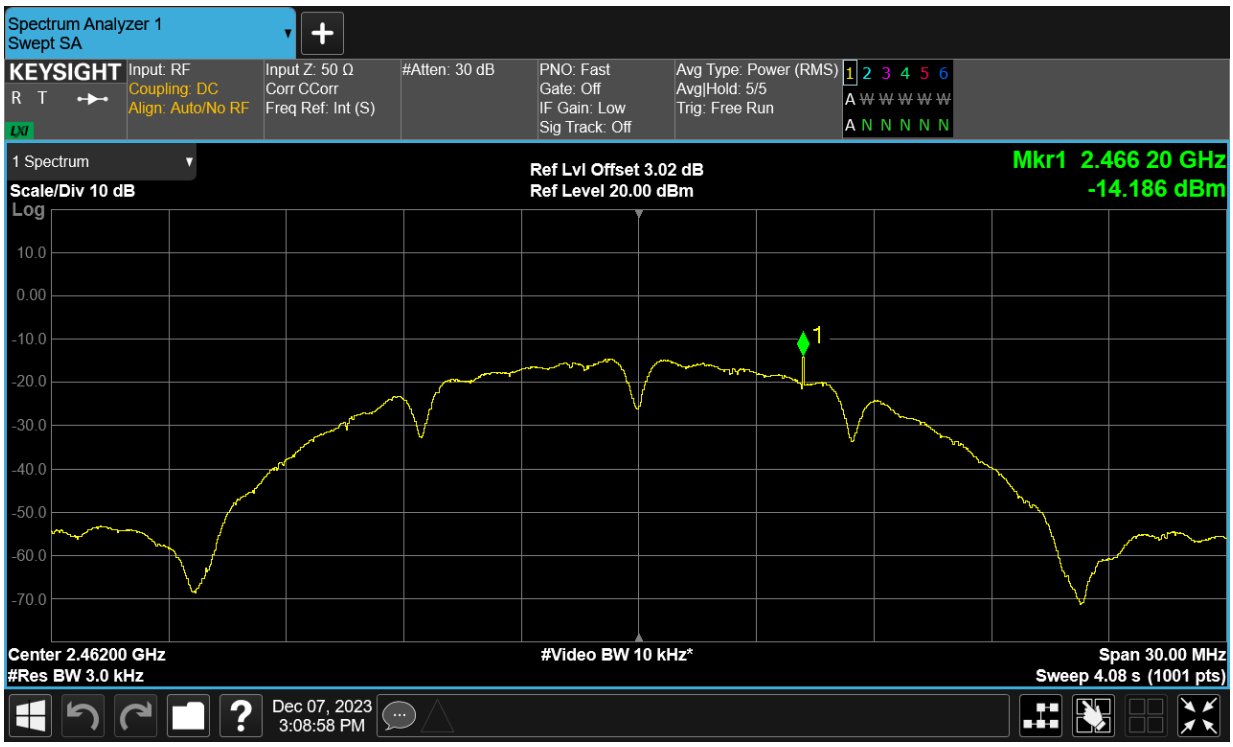
PSD NVNT b 2412MHz Ant2



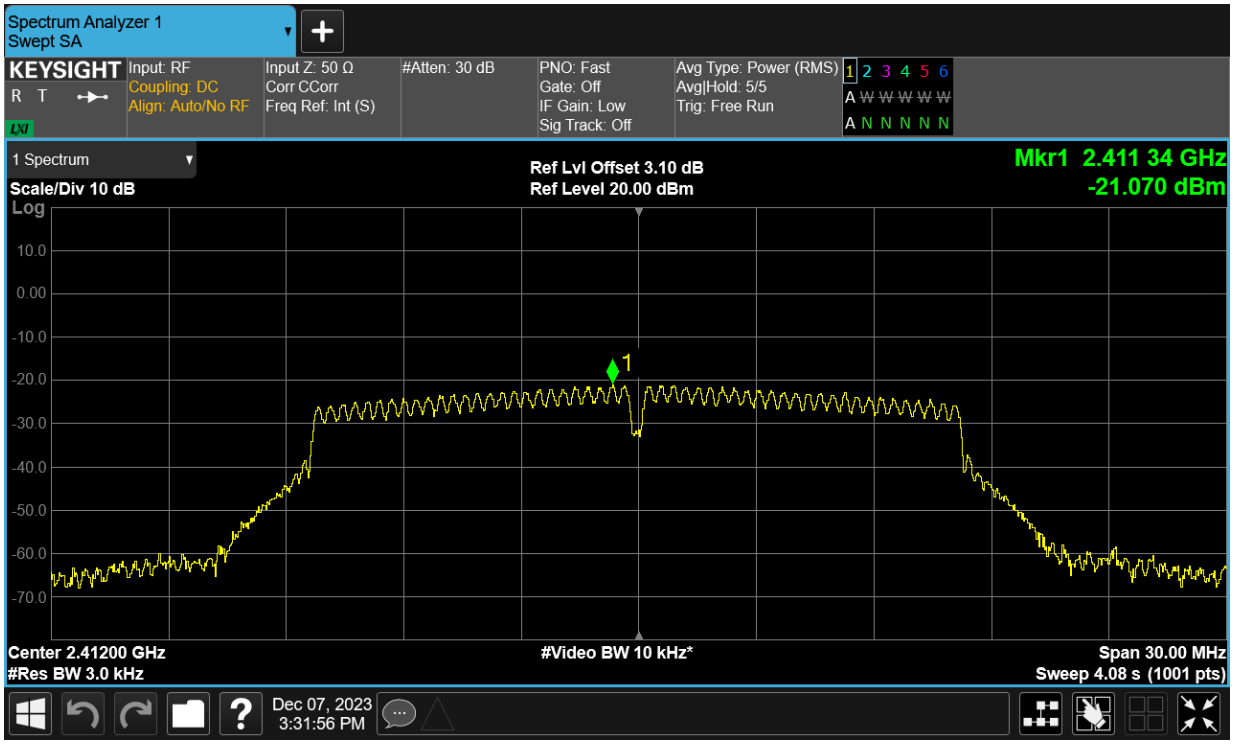
PSD NVNT b 2437MHz Ant2



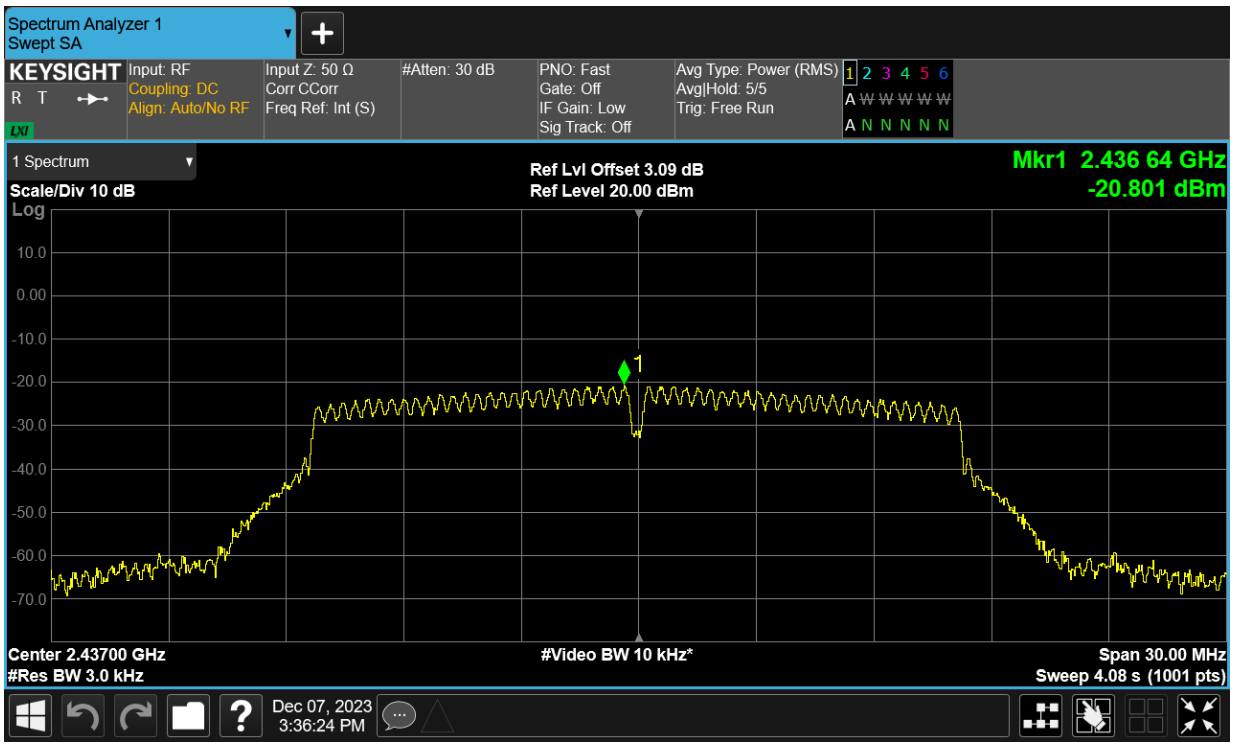
PSD NVNT b 2462MHz Ant2



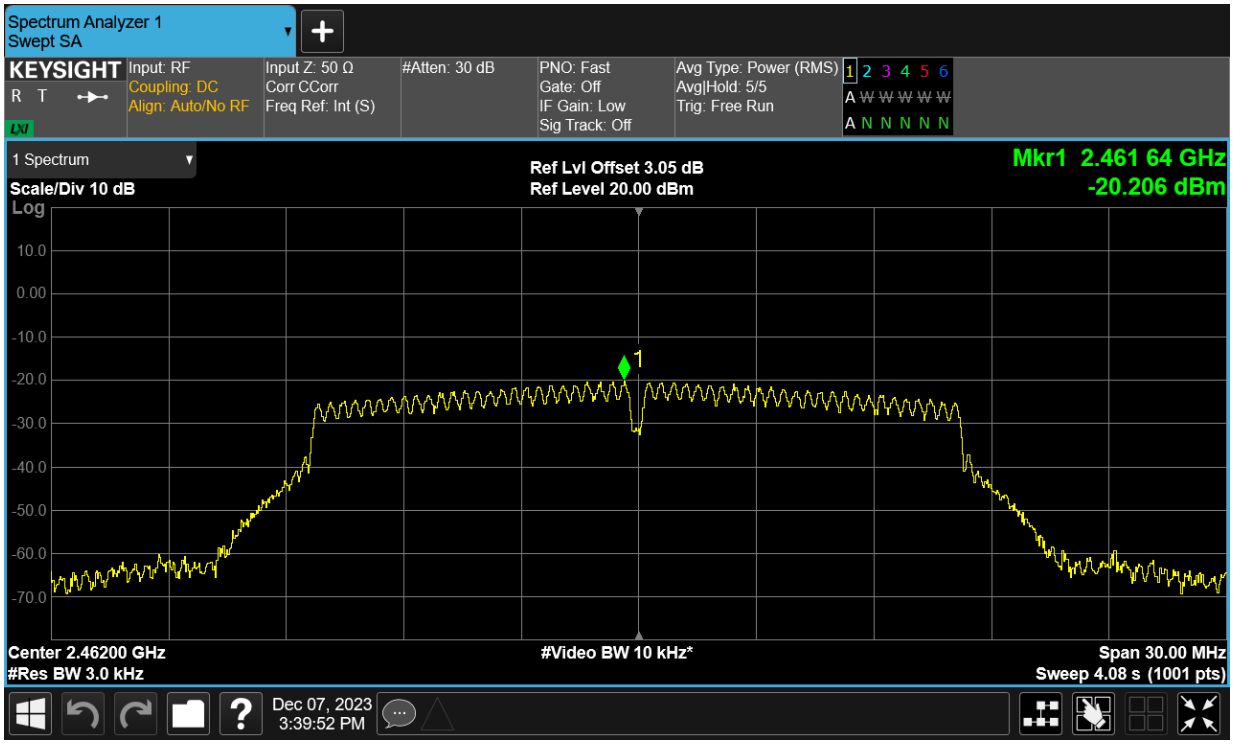
PSD NVNT g 2412MHz Ant1



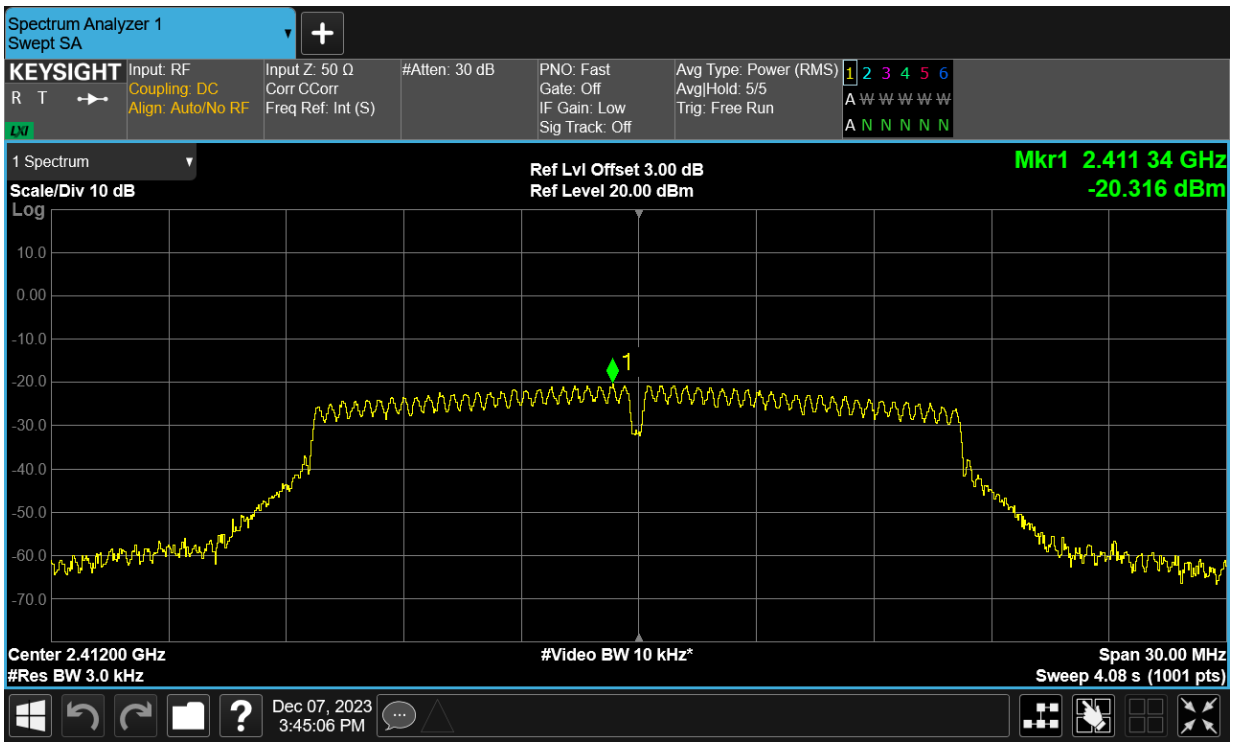
PSD NVNT g 2437MHz Ant1



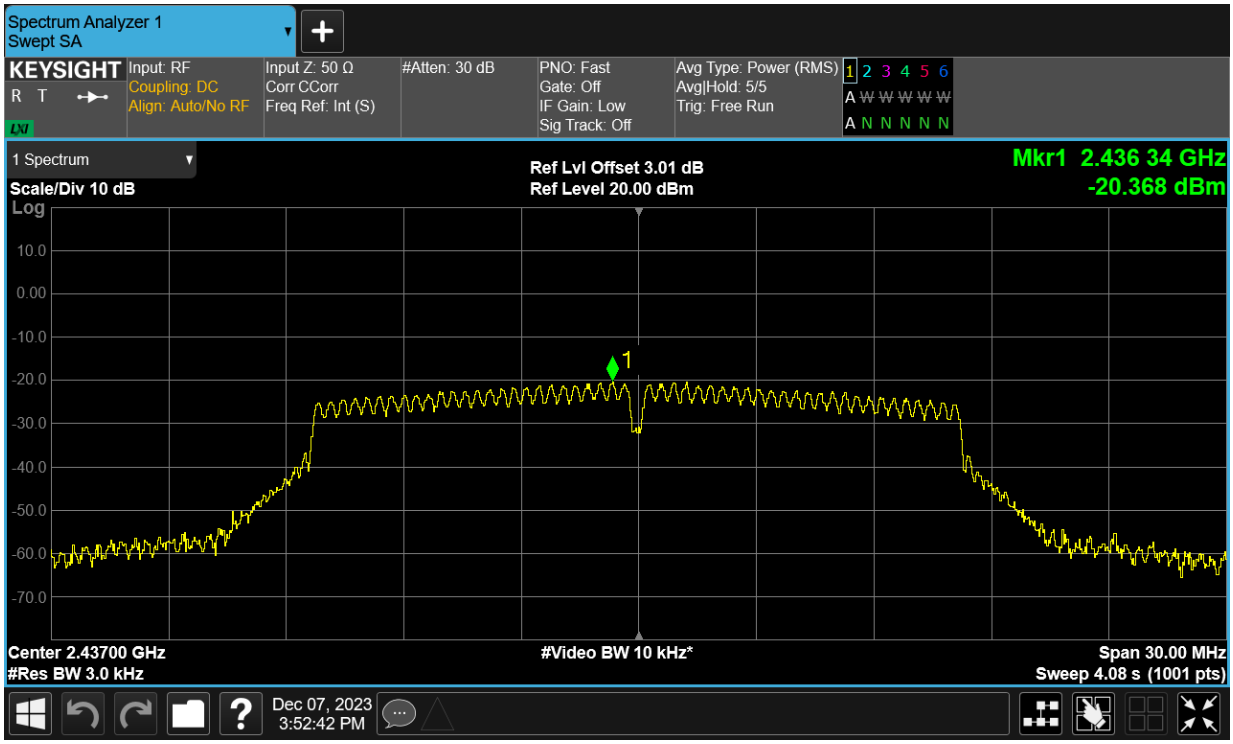
PSD NVNT g 2462MHz Ant1



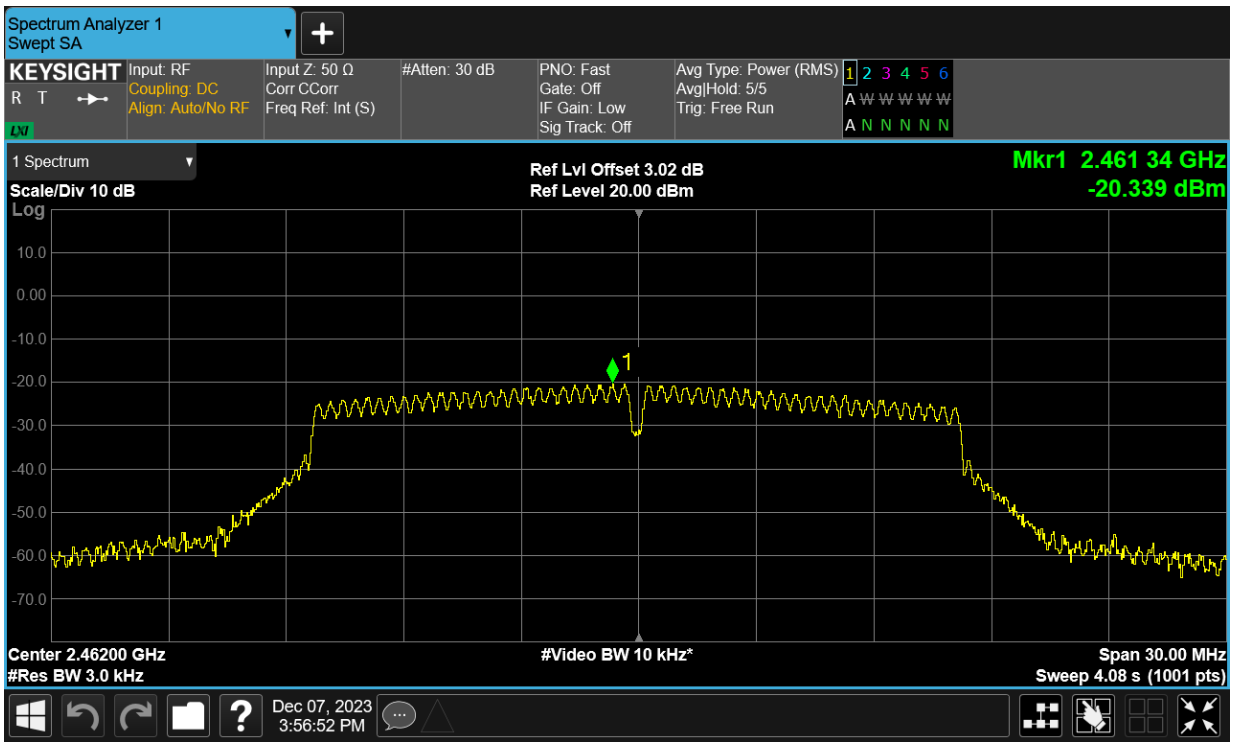
PSD NVNT g 2412MHz Ant2



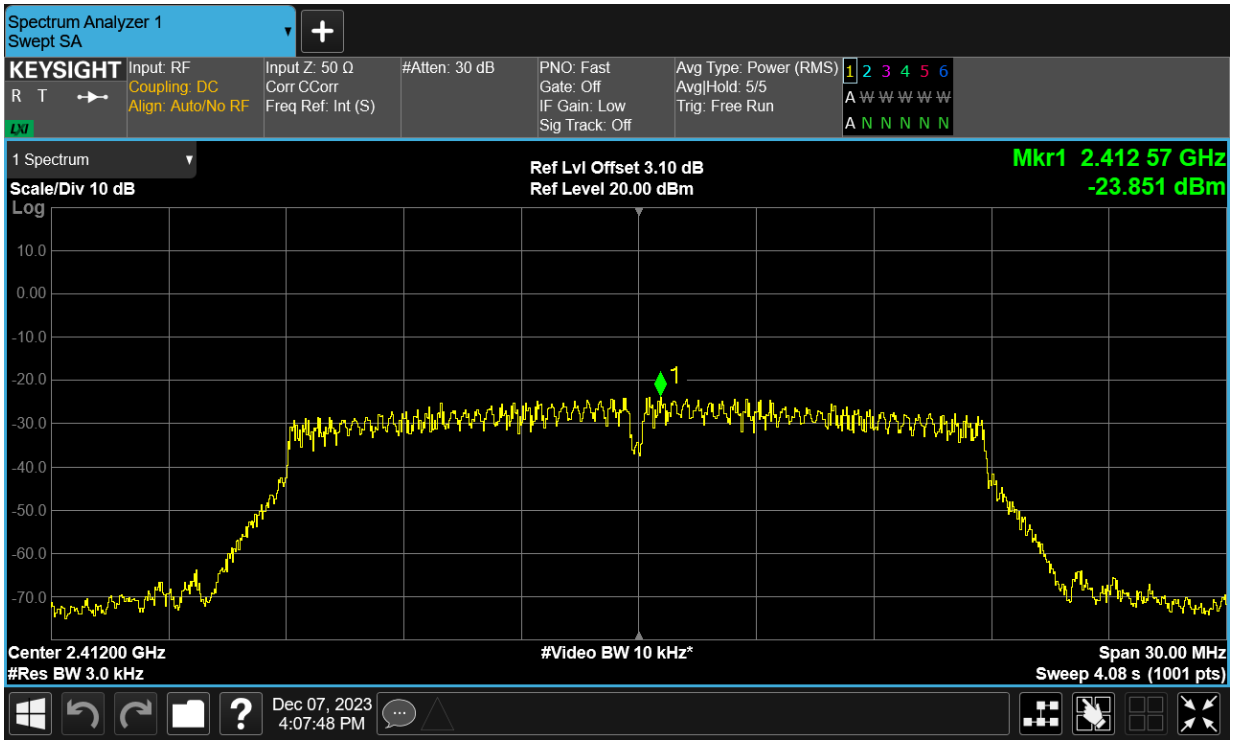
PSD NVNT g 2437MHz Ant2



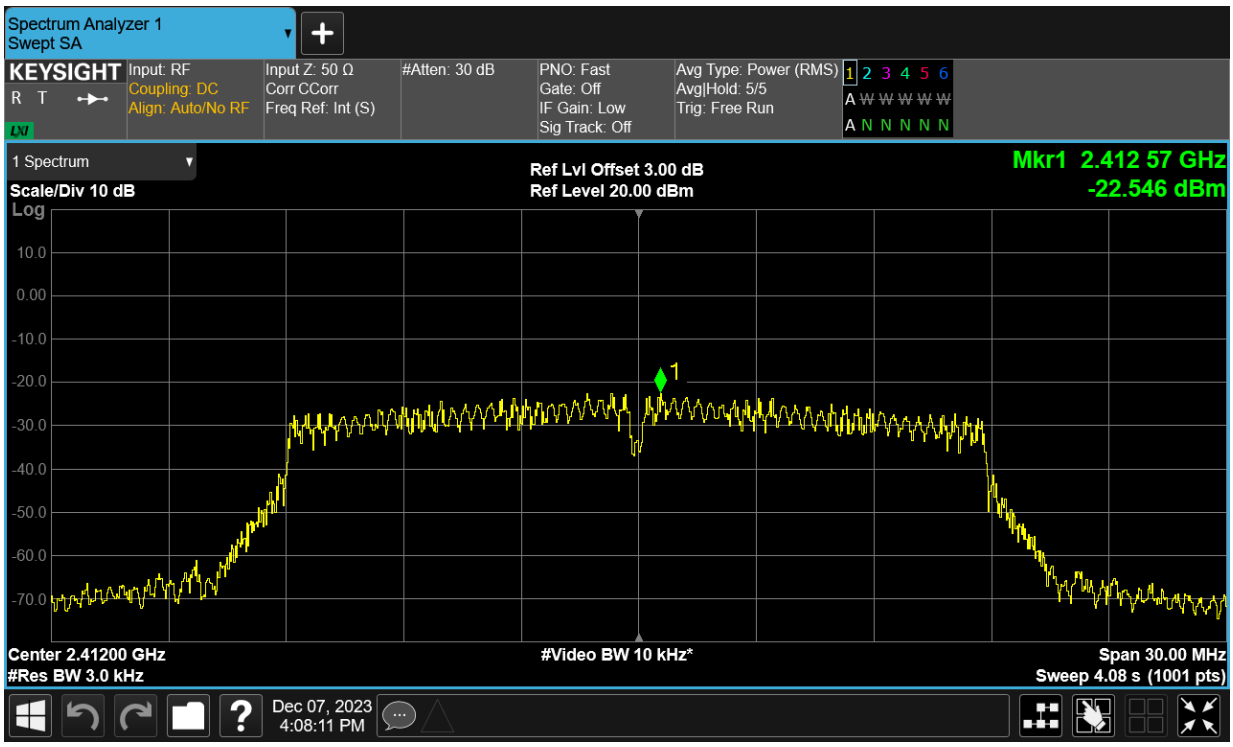
PSD NVNT g 2462MHz Ant2



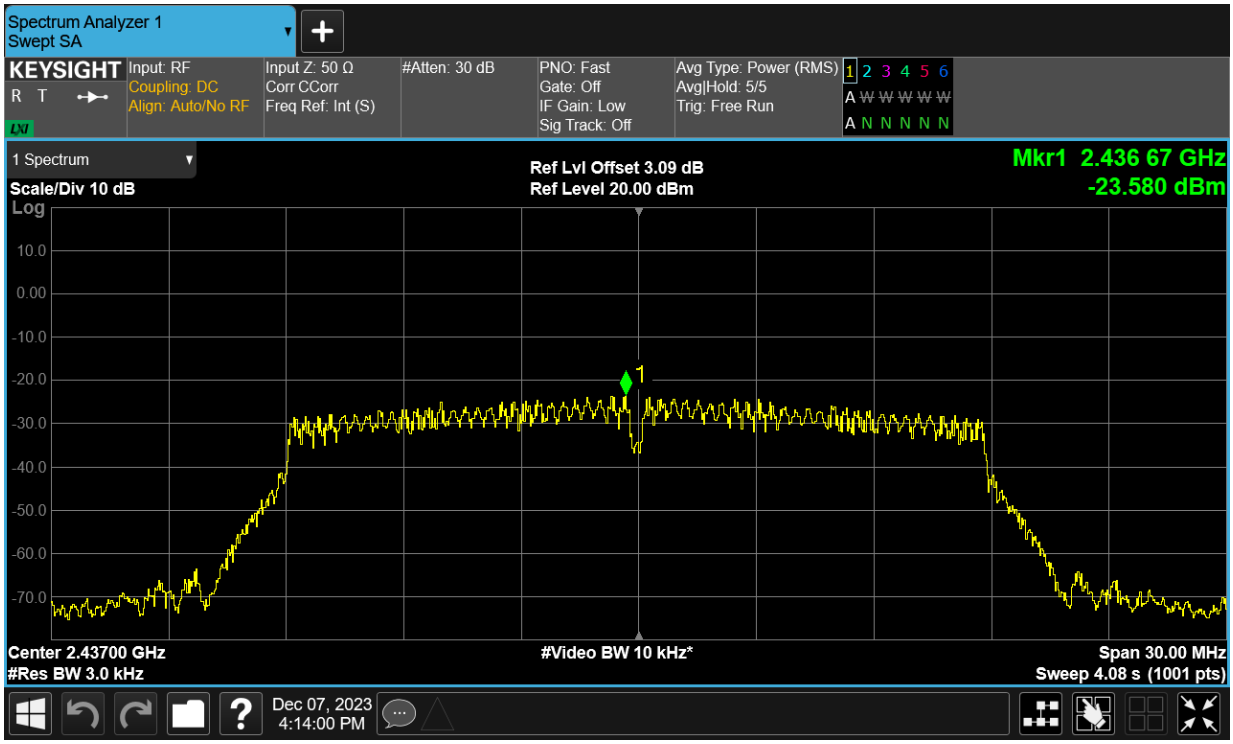
PSD NVNT n20 2412MHz Ant1



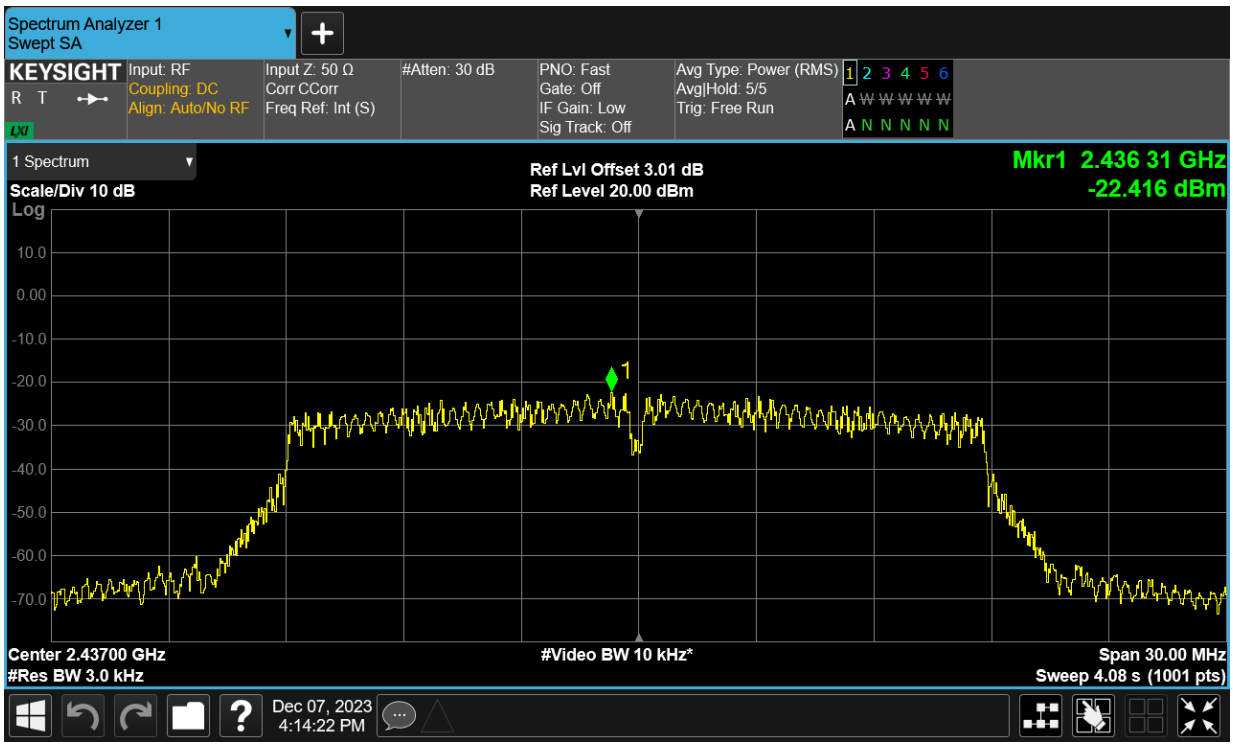
PSD NVNT n20 2412MHz Ant2



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2437MHz Ant2



PSD NVNT n20 2462MHz Ant1