

Test Data

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	99.7	0.01
NVNT	b	2437	Ant1	99.68	0.01
NVNT	b	2462	Ant1	99.71	0.01
NVNT	g	2412	Ant1	97.74	0.1
NVNT	g	2437	Ant1	97.77	0.1
NVNT	g	2462	Ant1	97.78	0.1
NVNT	n20	2412	Ant1	97.63	0.1
NVNT	n20	2437	Ant1	98.18	0.08
NVNT	n20	2462	Ant1	97.6	0.11
NVNT	n40	2422	Ant1	95.39	0.2
NVNT	n40	2437	Ant1	95.37	0.21
NVNT	n40	2452	Ant1	95.37	0.21

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



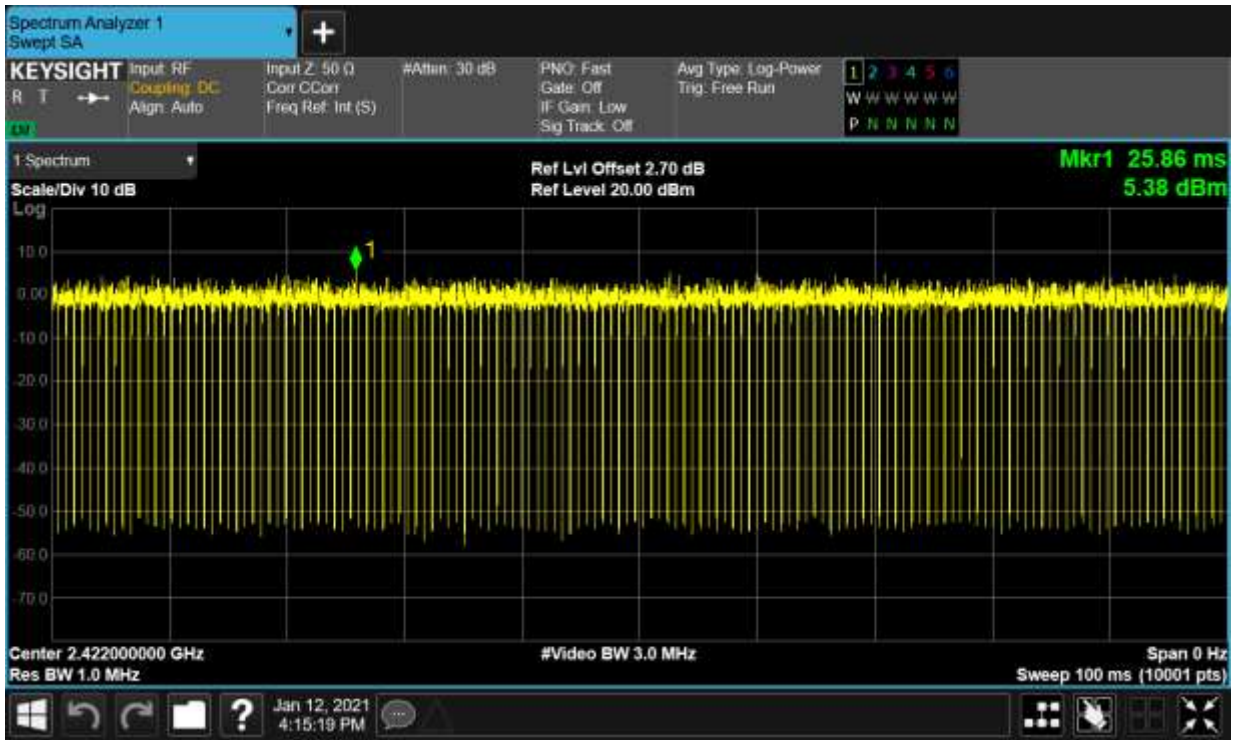
Duty Cycle NVNT n20 2437MHz Ant1



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	2402	Ant1	15.29	0	15.29	30	Pass
NVNT	b	2437	Ant1	15.65	0.01	15.66	30	Pass
NVNT	b	2462	Ant1	15.44	0.01	15.45	30	Pass
NVNT	g	2412	Ant1	13.77	0.1	13.87	30	Pass
NVNT	g	2437	Ant1	13.55	0.1	13.65	30	Pass
NVNT	g	2462	Ant1	13.21	0.1	13.31	30	Pass
NVNT	n20	2412	Ant1	13.81	0.1	13.91	30	Pass
NVNT	n20	2437	Ant1	13.4	1.48	14.88	30	Pass
NVNT	n20	2462	Ant1	13.08	0.11	13.19	30	Pass
NVNT	n40	2422	Ant1	12.89	0.2	13.09	30	Pass
NVNT	n40	2437	Ant1	12.79	0.21	13	30	Pass
NVNT	n40	2452	Ant1	12.57	0.21	12.78	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.022	0.5	Pass
NVNT	b	2437	Ant1	7.535	0.5	Pass
NVNT	b	2462	Ant1	8.076	0.5	Pass
NVNT	g	2412	Ant1	15.929	0.5	Pass
NVNT	g	2437	Ant1	13.828	0.5	Pass
NVNT	g	2462	Ant1	15.717	0.5	Pass
NVNT	n20	2412	Ant1	15.921	0.5	Pass
NVNT	n20	2437	Ant1	13.174	0.5	Pass
NVNT	n20	2462	Ant1	16.283	0.5	Pass
NVNT	n40	2422	Ant1	35.734	0.5	Pass
NVNT	n40	2437	Ant1	31.279	0.5	Pass
NVNT	n40	2452	Ant1	28.822	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	13.1395716
NVNT	b	2437	Ant1	12.69806612
NVNT	b	2462	Ant1	13.37917184
NVNT	g	2412	Ant1	16.51753897
NVNT	g	2437	Ant1	16.36602799
NVNT	g	2462	Ant1	16.57533952
NVNT	n20	2412	Ant1	17.6574513
NVNT	n20	2437	Ant1	17.51716121
NVNT	n20	2462	Ant1	17.6923294
NVNT	n40	2422	Ant1	36.23054495
NVNT	n40	2437	Ant1	35.64908547
NVNT	n40	2452	Ant1	35.78477429

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1



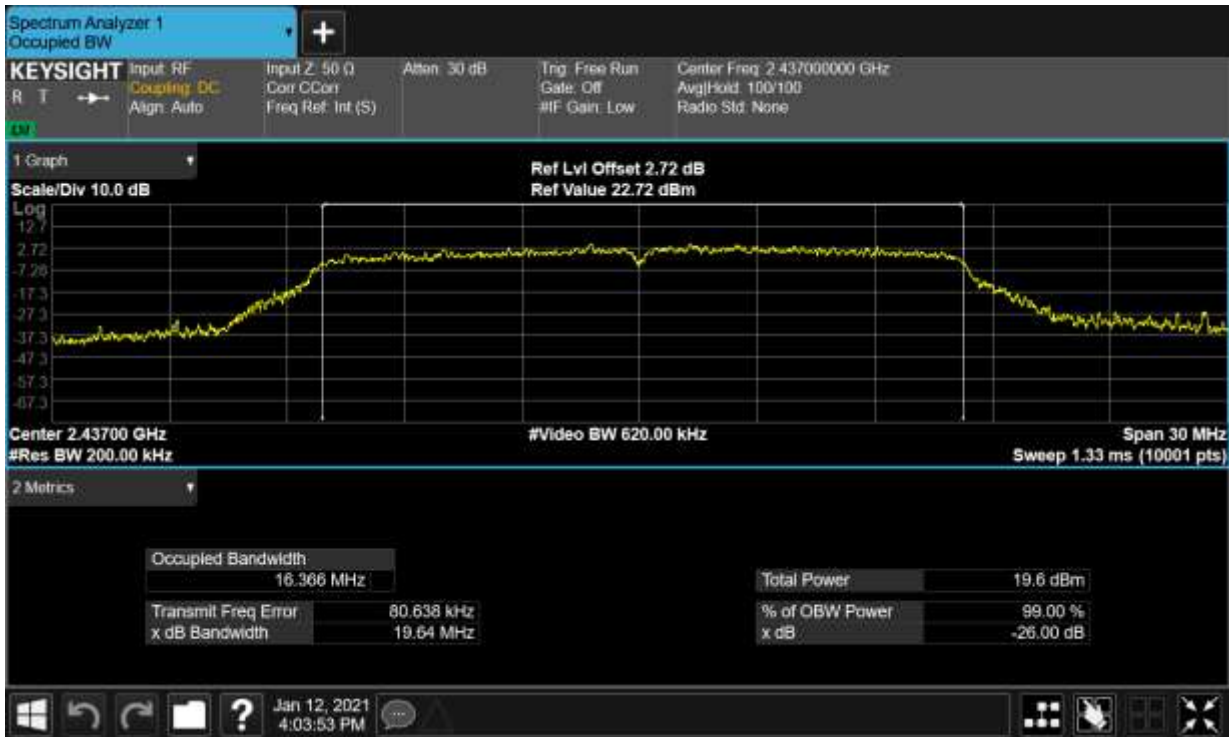
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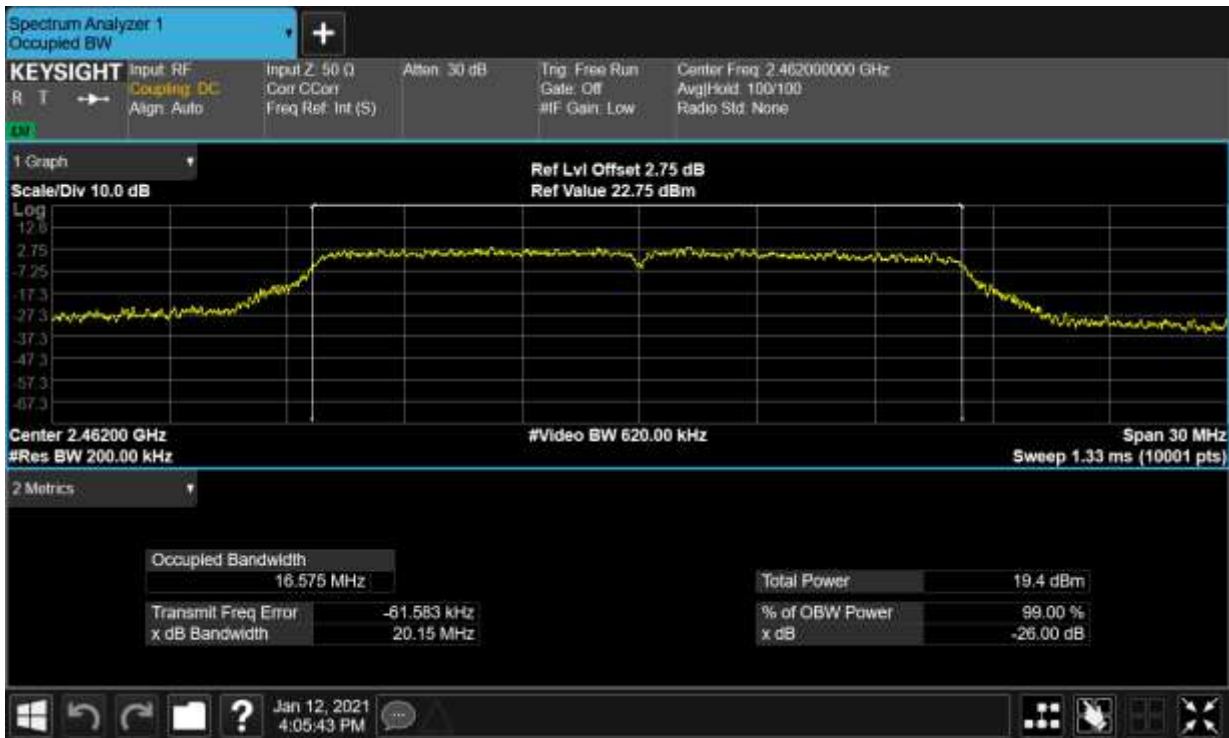
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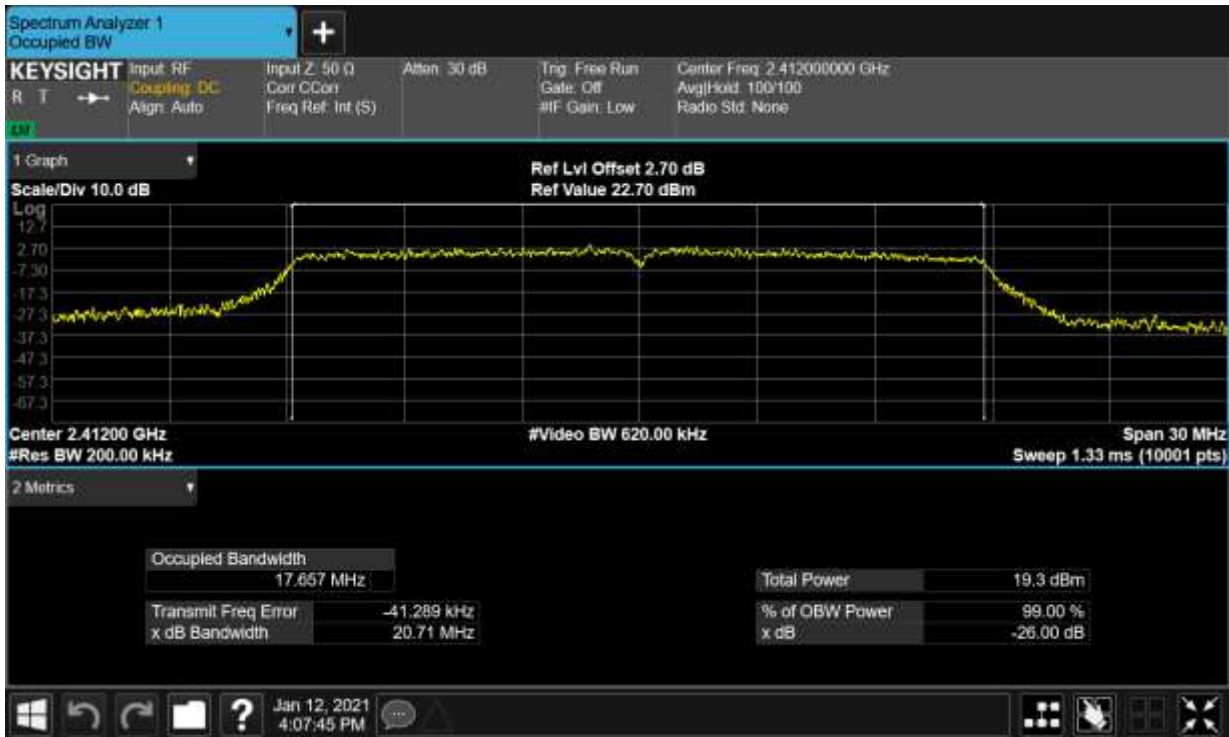
OBW NVNT g 2437MHz Ant1



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	-15.511	8	Pass
NVNT	b	2437	Ant1	-15.018	8	Pass
NVNT	b	2462	Ant1	-15.589	8	Pass

NVNT	g	2412	Ant1	-20.207	8	Pass
NVNT	g	2437	Ant1	-19.143	8	Pass
NVNT	g	2462	Ant1	-20.136	8	Pass
NVNT	n20	2412	Ant1	-20.298	8	Pass
NVNT	n20	2437	Ant1	-19.603	8	Pass
NVNT	n20	2462	Ant1	-19.778	8	Pass
NVNT	n40	2422	Ant1	-24.287	8	Pass
NVNT	n40	2437	Ant1	-22.382	8	Pass
NVNT	n40	2452	Ant1	-22.733	8	Pass

PSD NVNT b 2412MHz Ant1



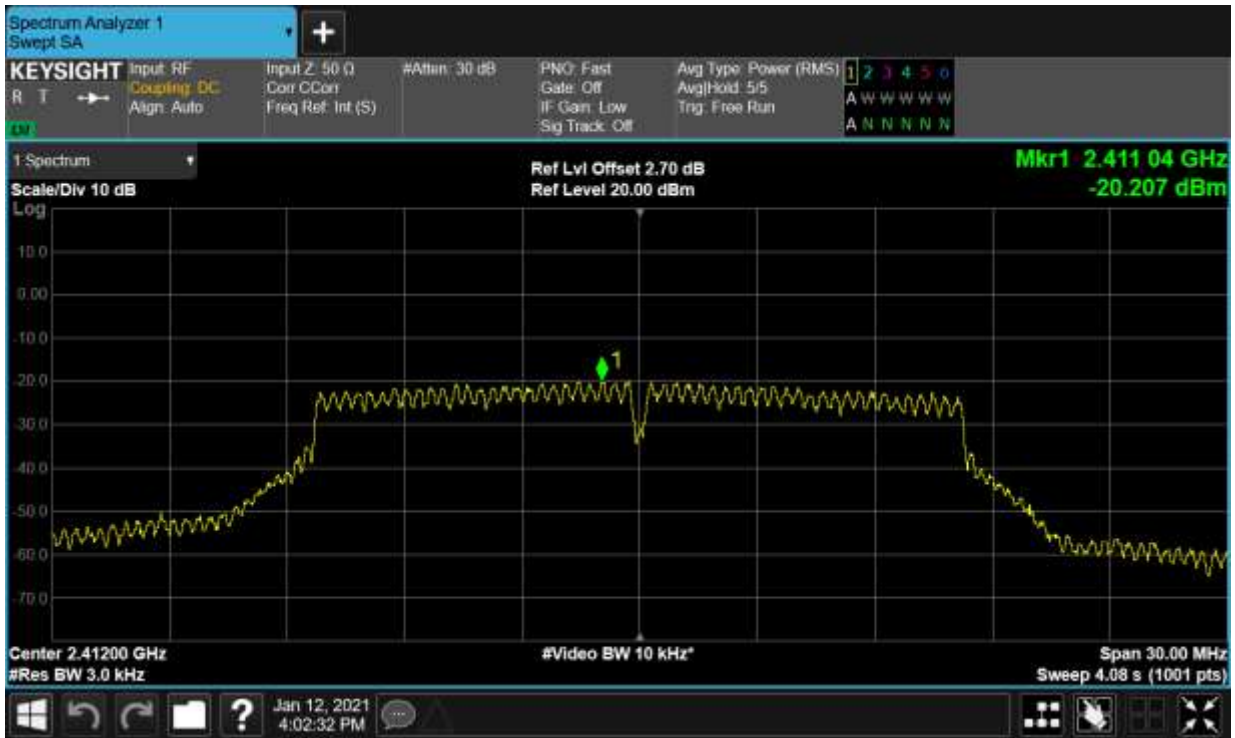
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PSD NVNT b 2462MHz Ant1



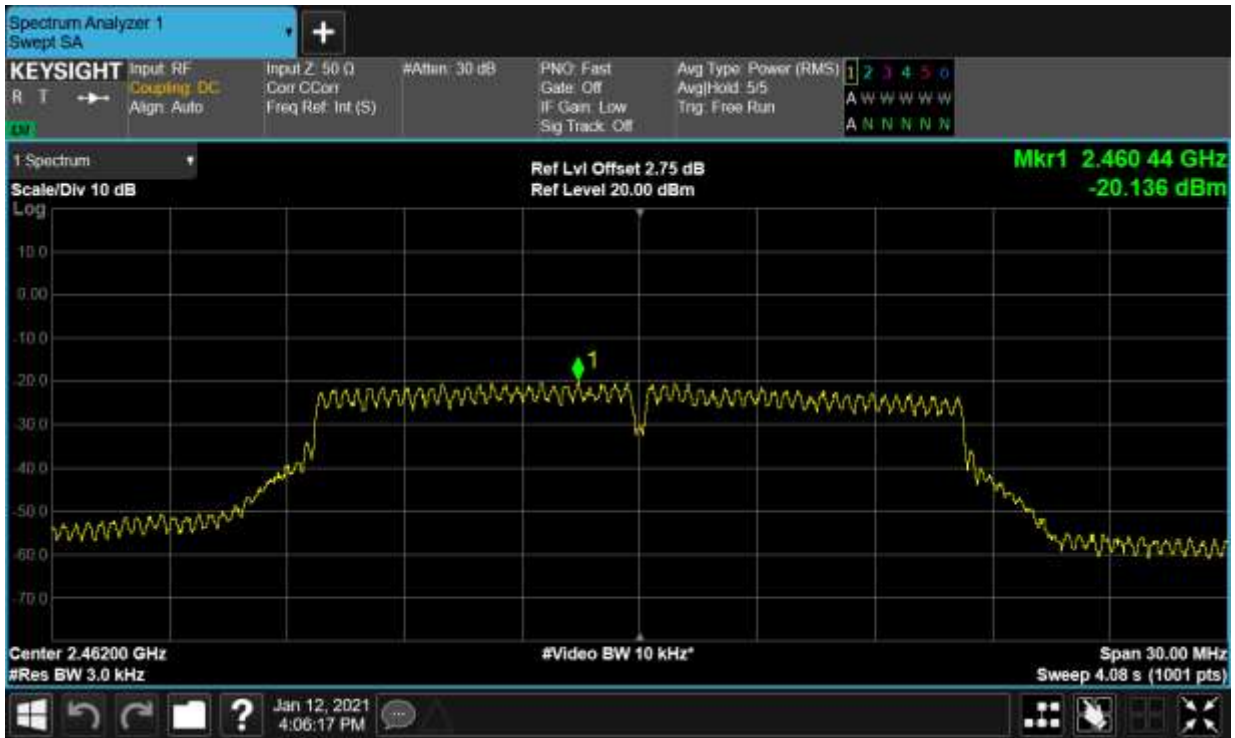
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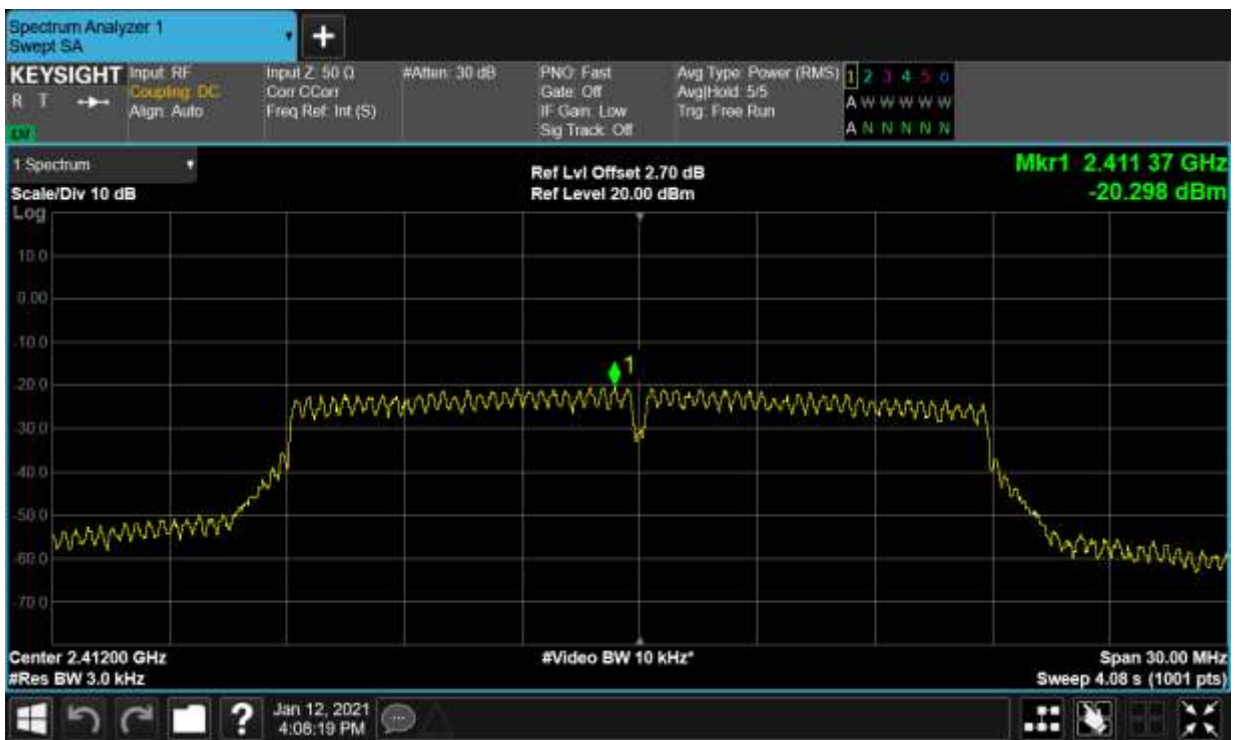
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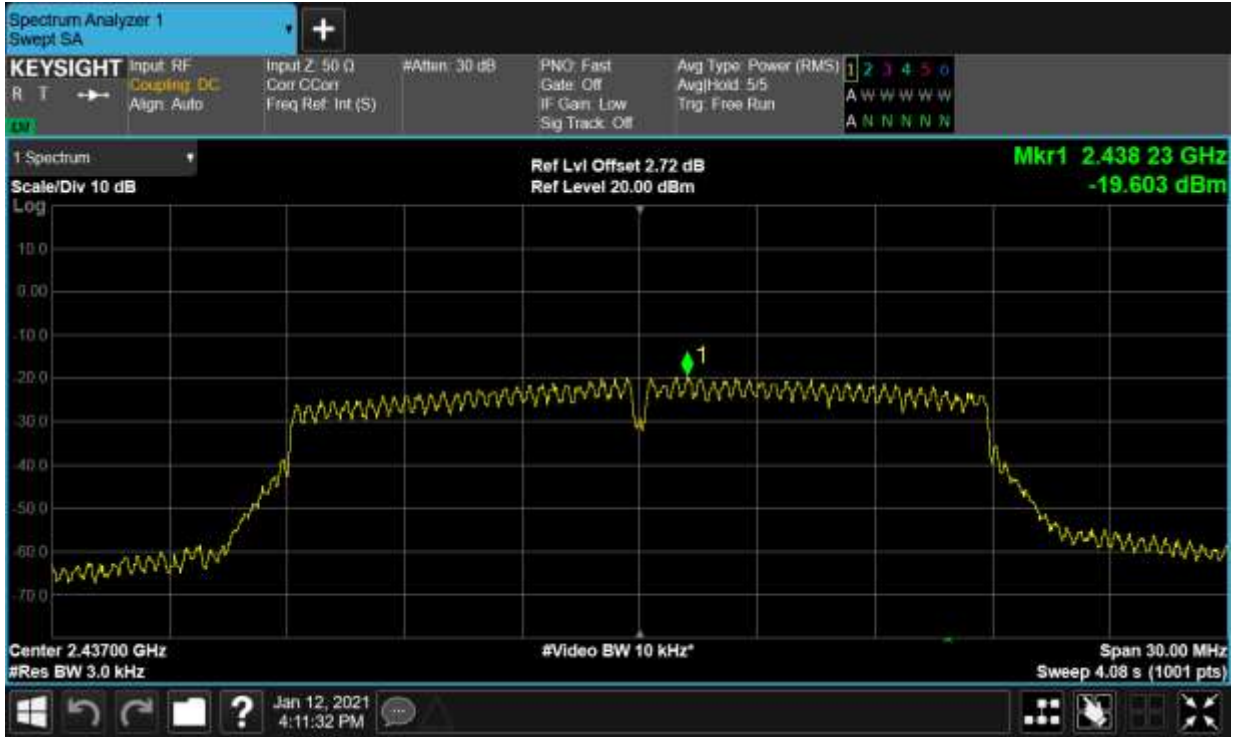
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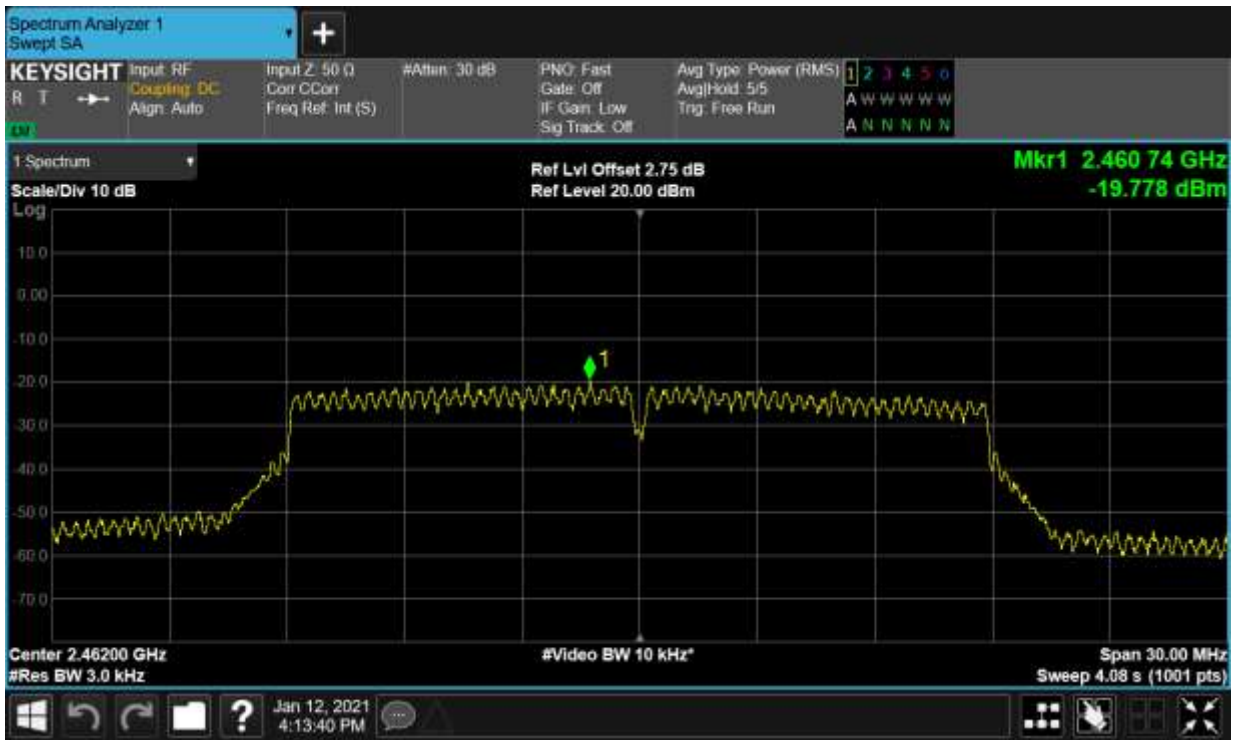
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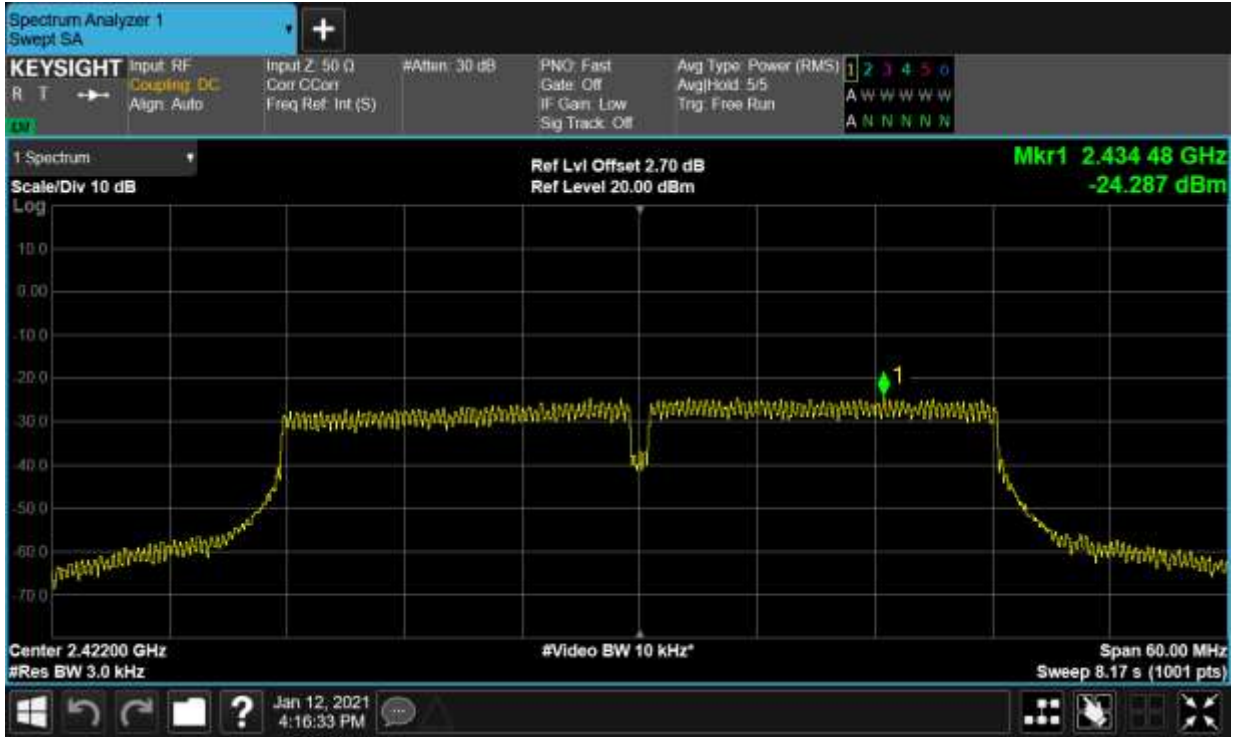
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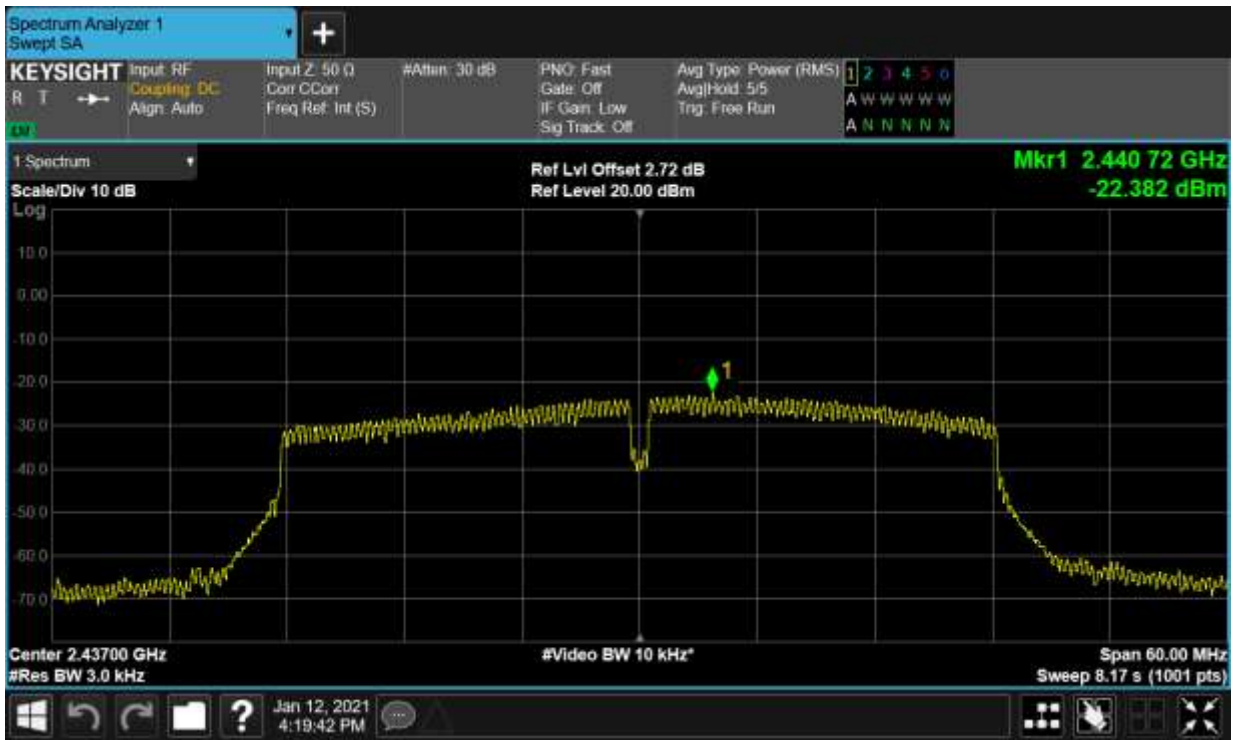
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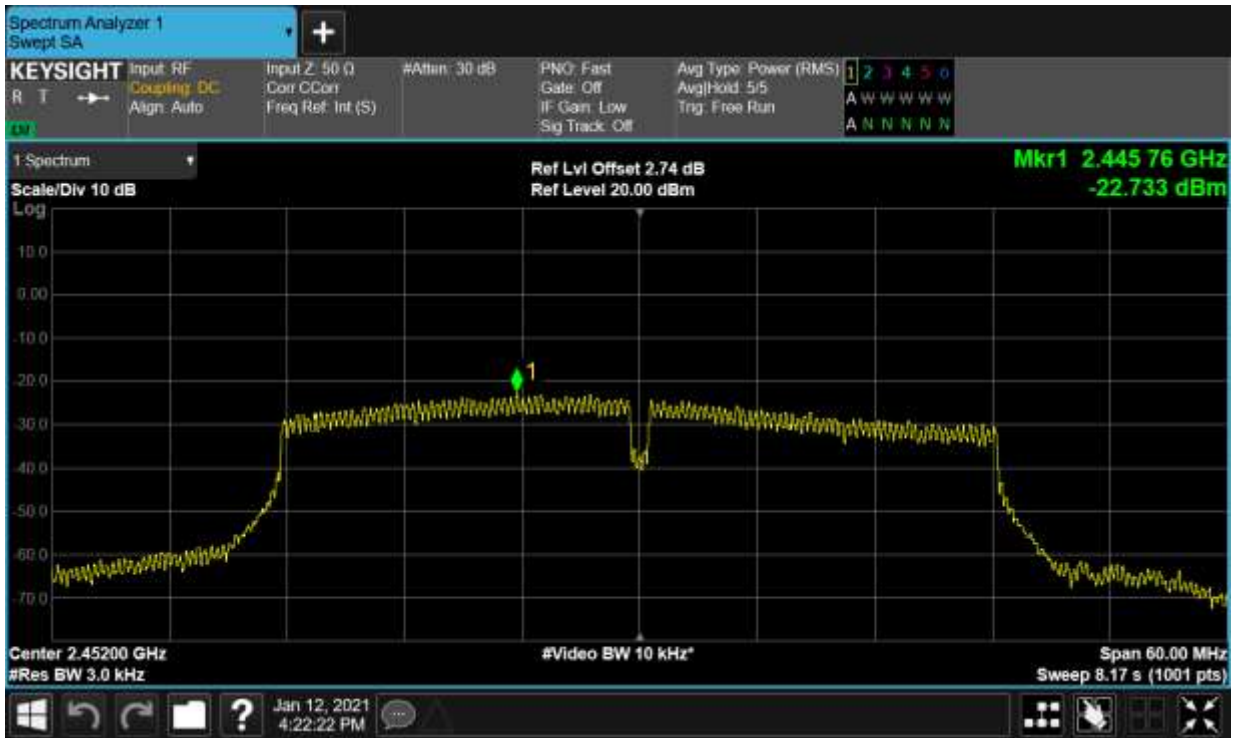
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PSD NVNT n40 2437MHz Ant1



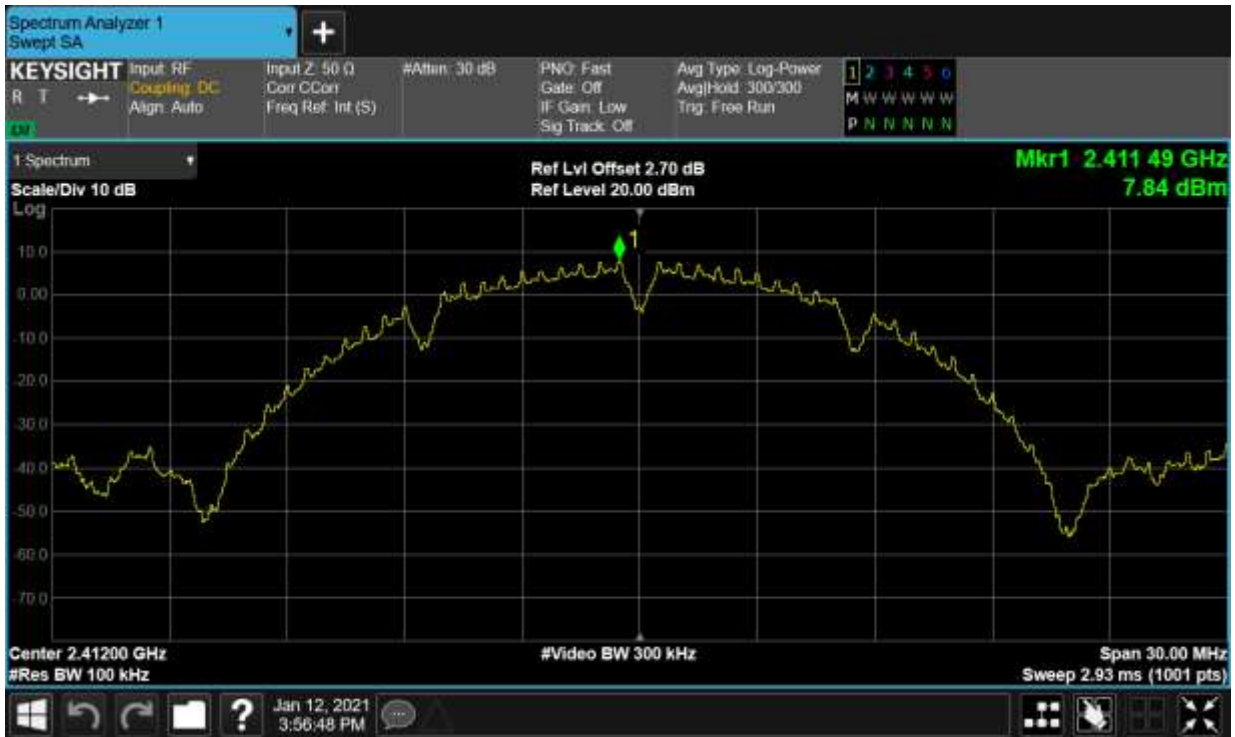
PSD NVNT n40 2452MHz Ant1



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-61.04	-30	Pass
NVNT	b	2462	Ant1	-60.66	-30	Pass
NVNT	g	2412	Ant1	-50.01	-30	Pass
NVNT	g	2462	Ant1	-50.29	-30	Pass
NVNT	n20	2412	Ant1	-46.47	-30	Pass
NVNT	n20	2462	Ant1	-47.86	-30	Pass
NVNT	n40	2422	Ant1	-39.11	-30	Pass
NVNT	n40	2452	Ant1	-44.6	-30	Pass

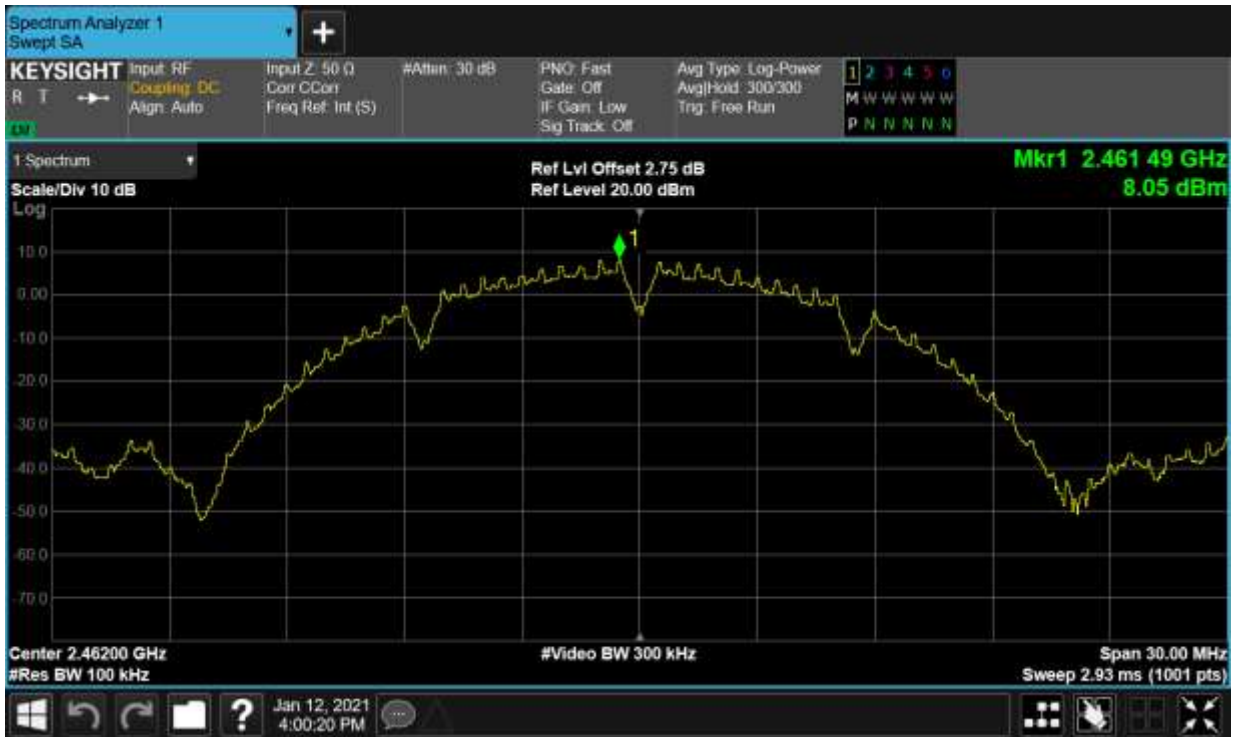
Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



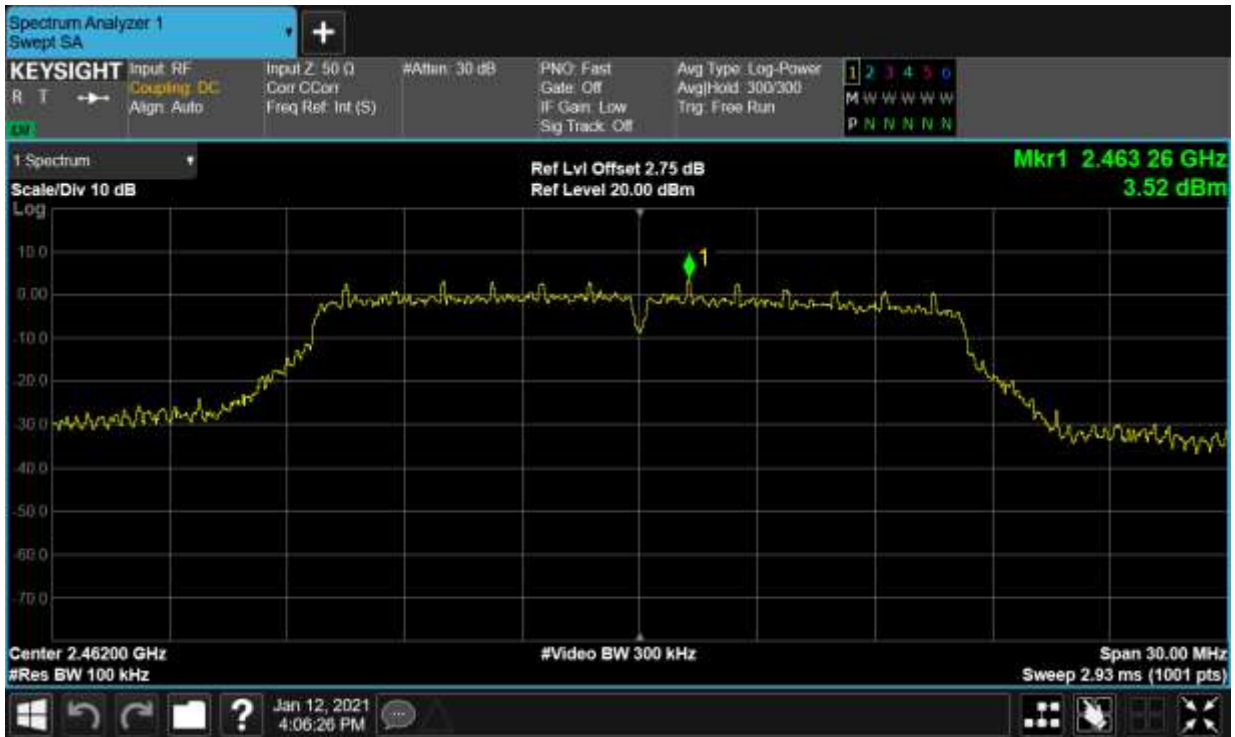
Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



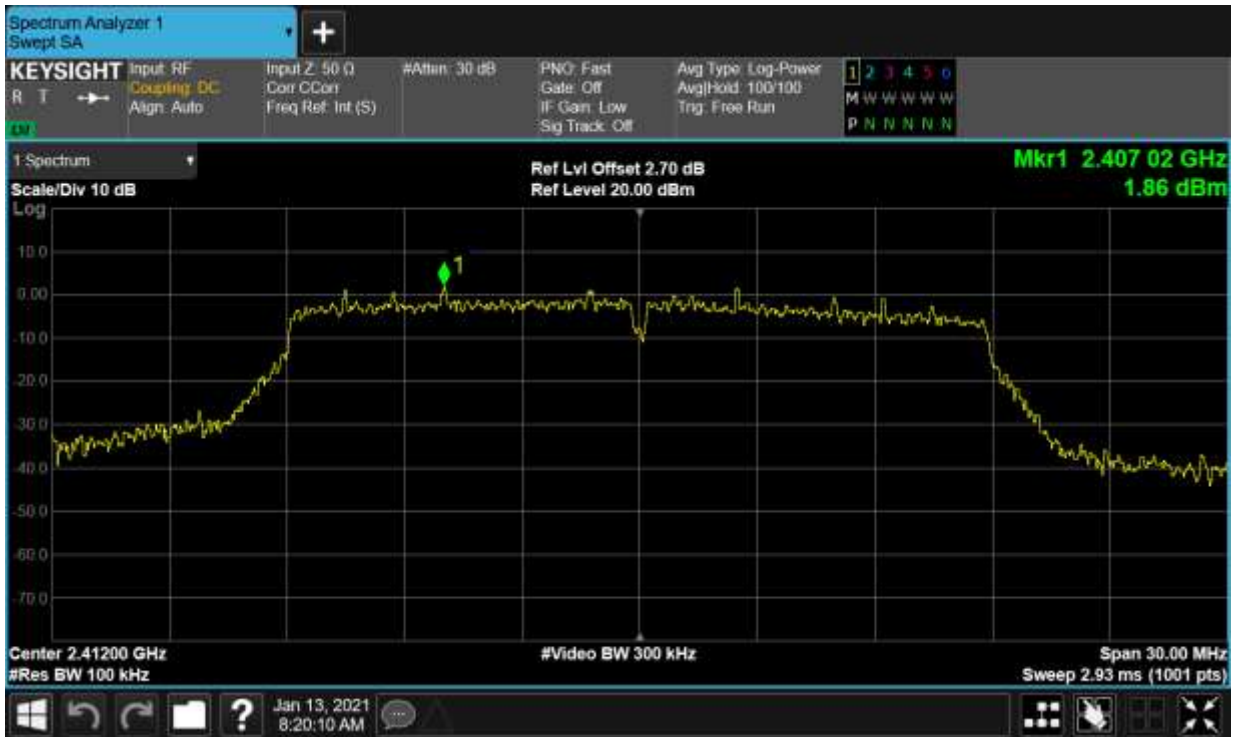
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Band Edge NVNT g 2462MHz Ant1 Emission



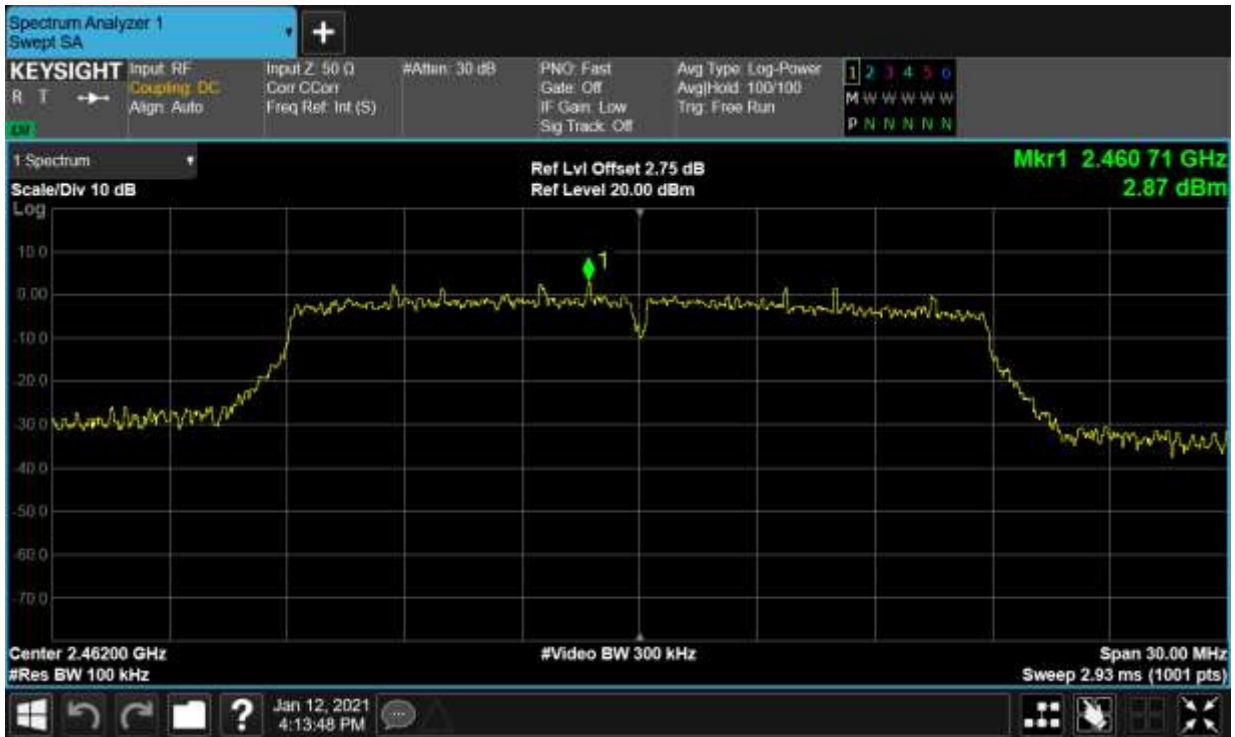
Band Edge NVNT n20 2412MHz Ant1 Ref



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

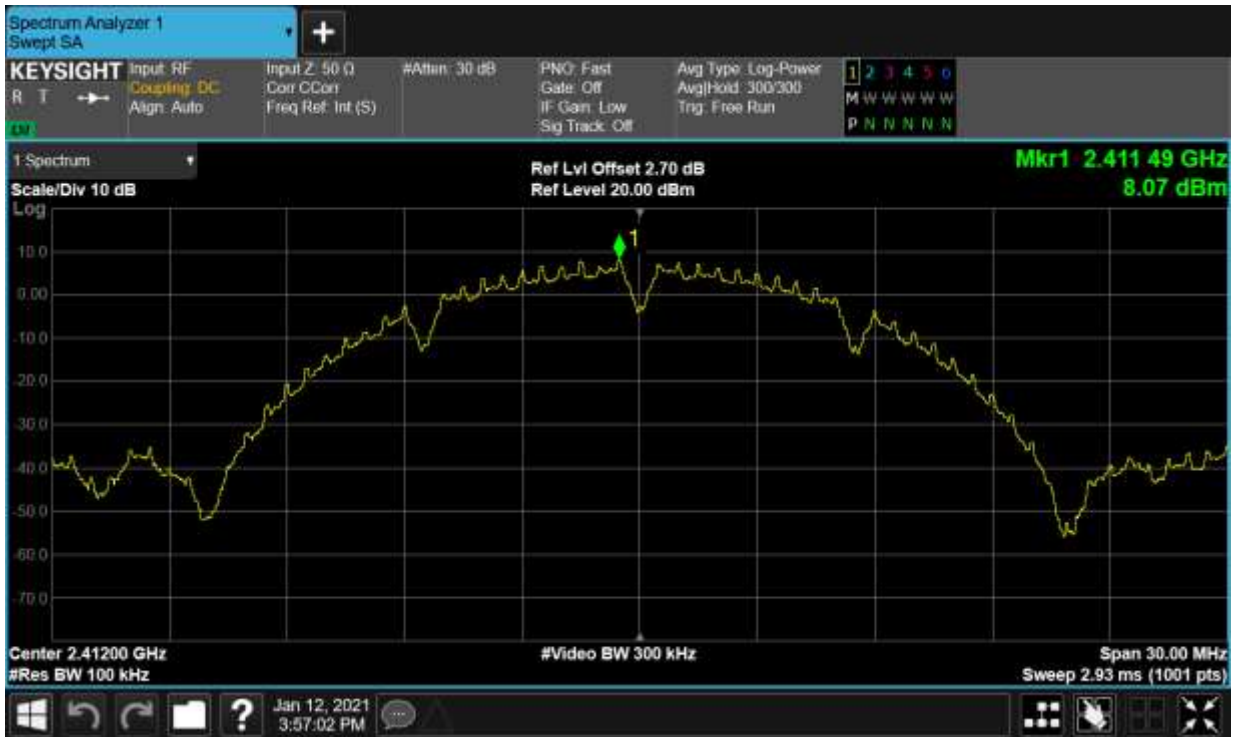


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.12	-30	Pass
NVNT	b	2437	Ant1	-44.98	-30	Pass
NVNT	b	2462	Ant1	-41.17	-30	Pass

NVNT	g	2412	Ant1	-42.7	-30	Pass
NVNT	g	2437	Ant1	-45.44	-30	Pass
NVNT	g	2462	Ant1	-37.02	-30	Pass
NVNT	n20	2412	Ant1	-36.78	-30	Pass
NVNT	n20	2437	Ant1	-42.94	-30	Pass
NVNT	n20	2462	Ant1	-39.44	-30	Pass
NVNT	n40	2422	Ant1	-38.25	-30	Pass
NVNT	n40	2437	Ant1	-50.2	-30	Pass
NVNT	n40	2452	Ant1	-40.66	-30	Pass

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



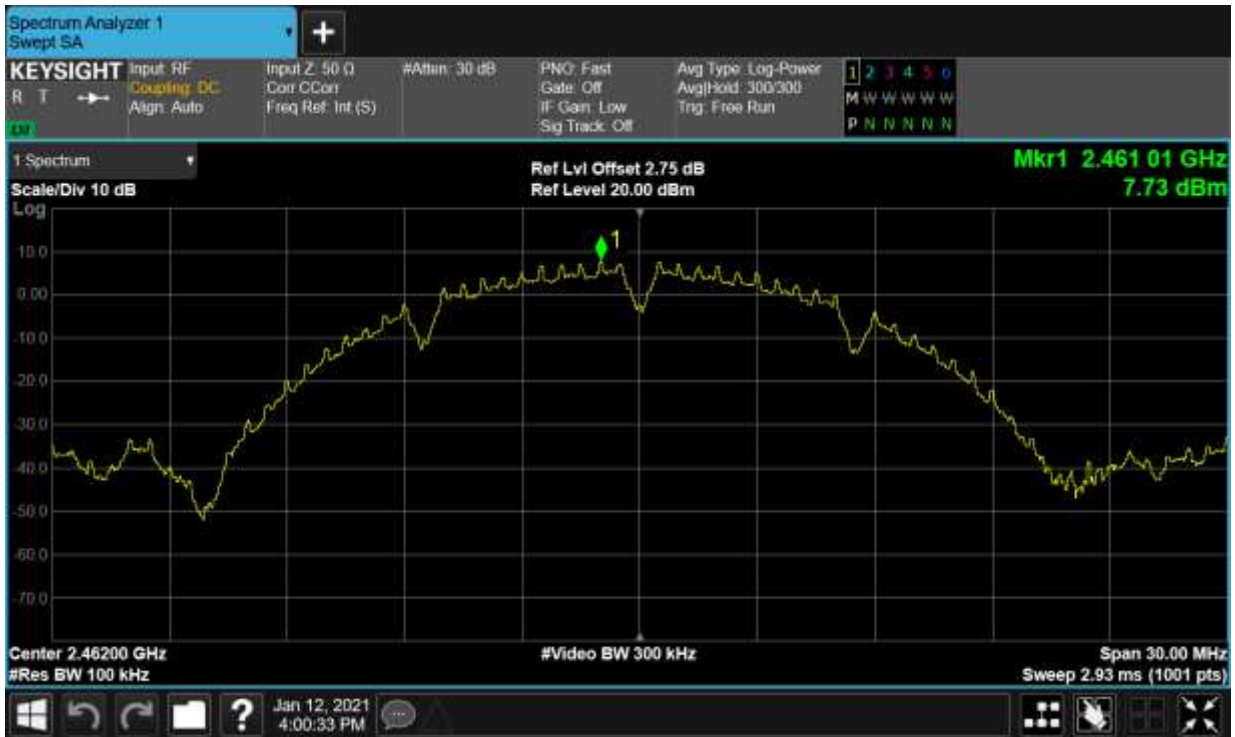
Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



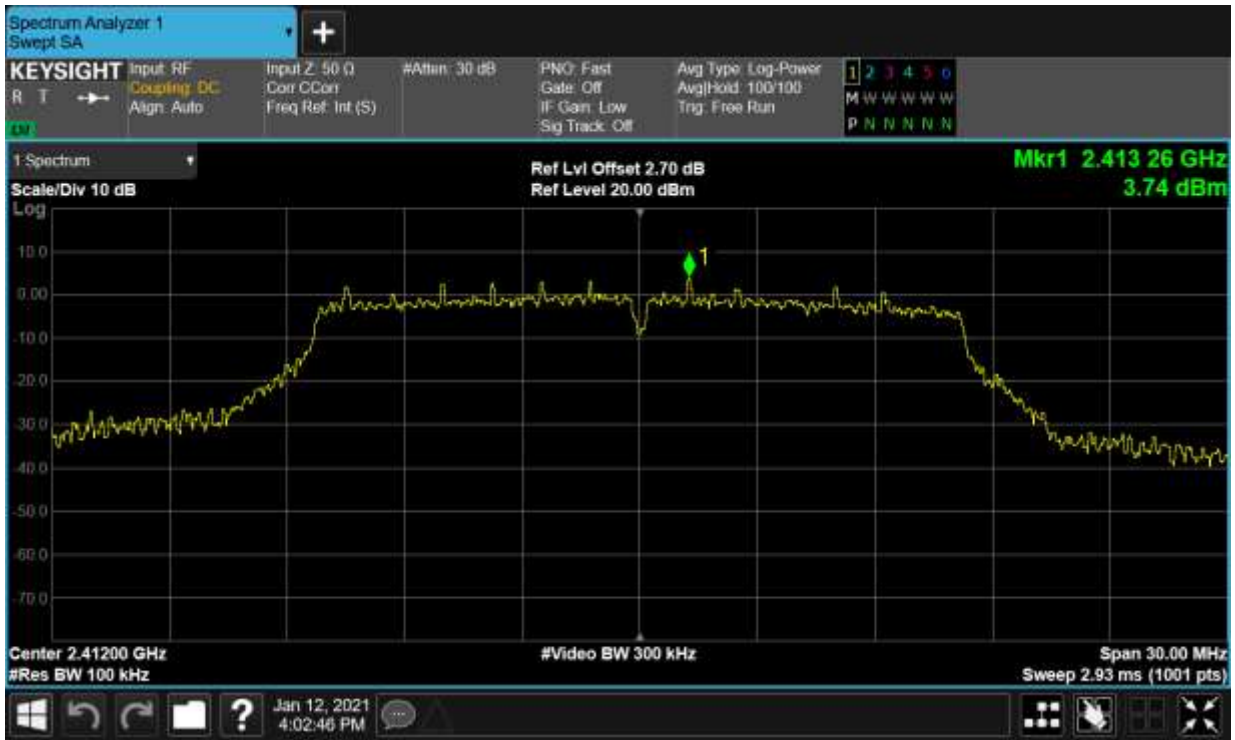
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Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



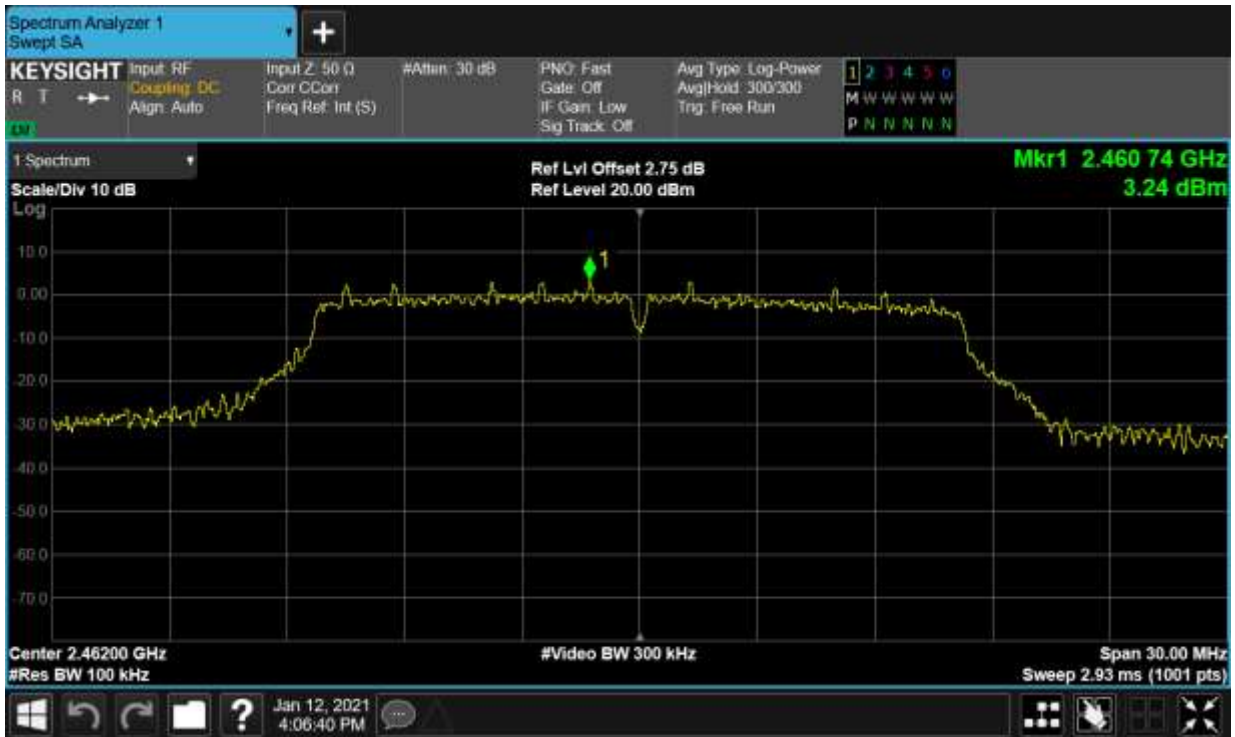
Tx. Spurious NVNT g 2437MHz Ant1 Ref



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



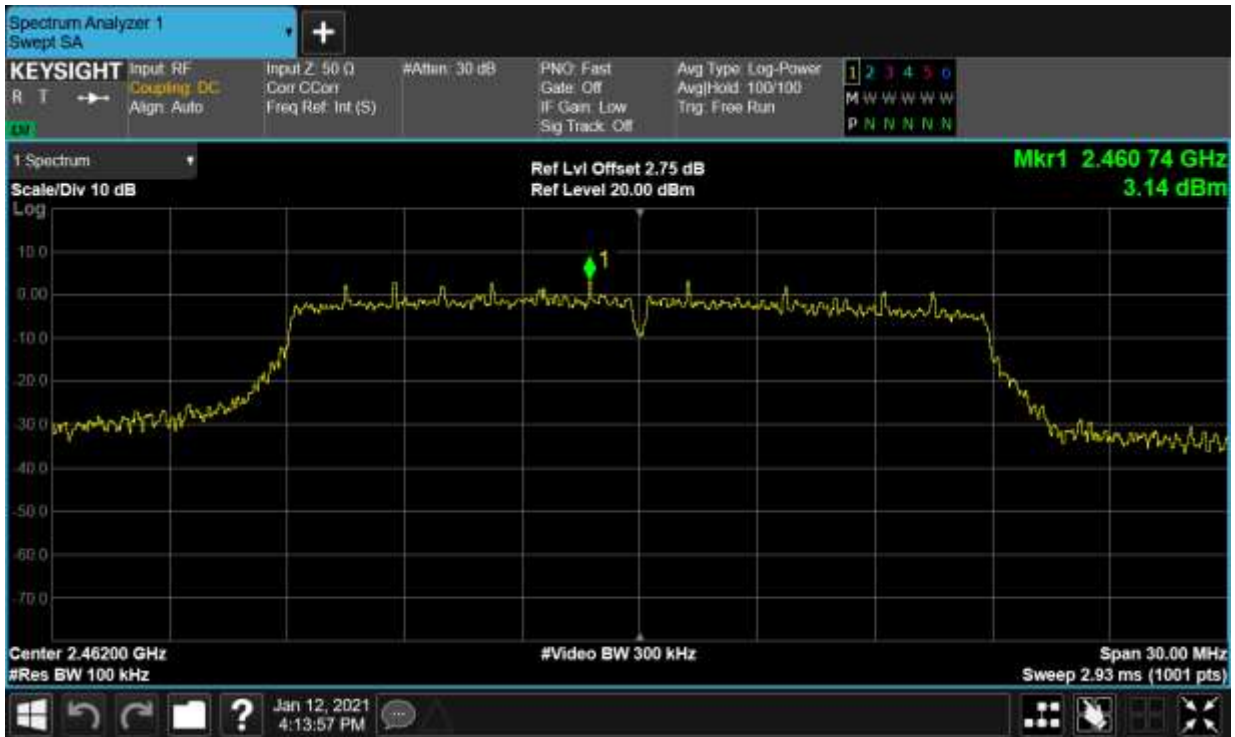
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Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission



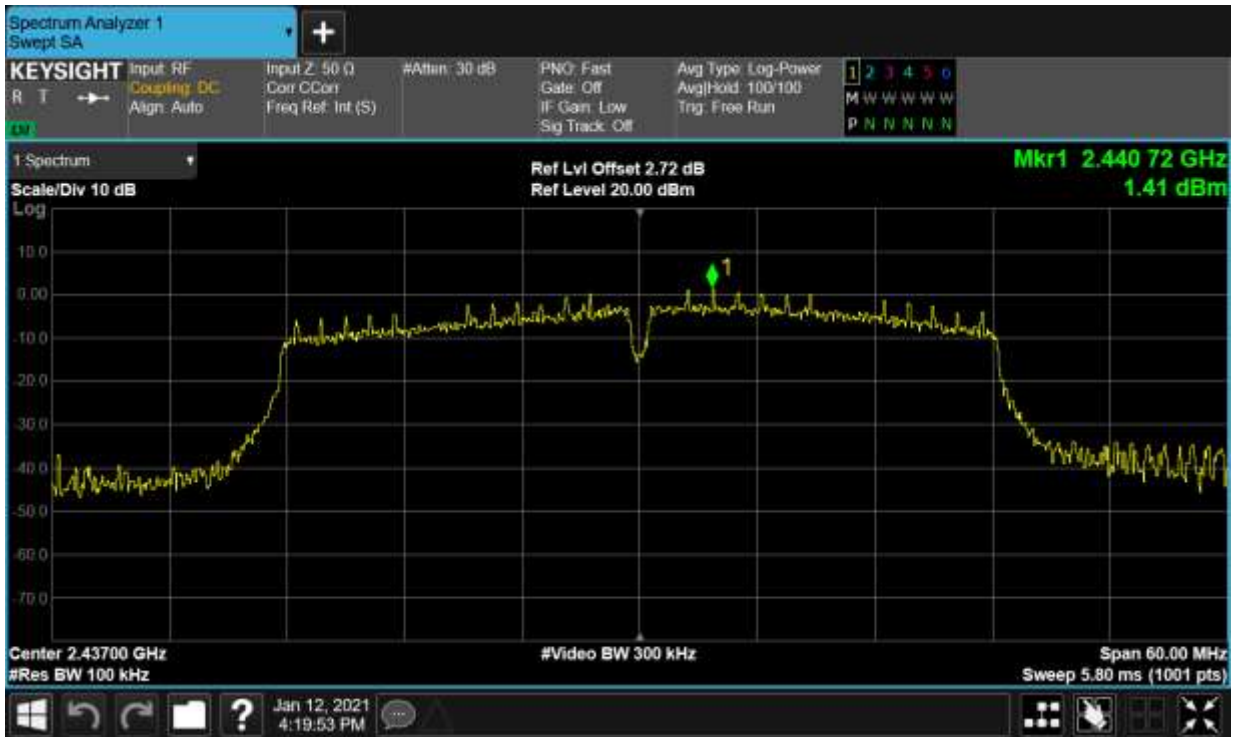
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

