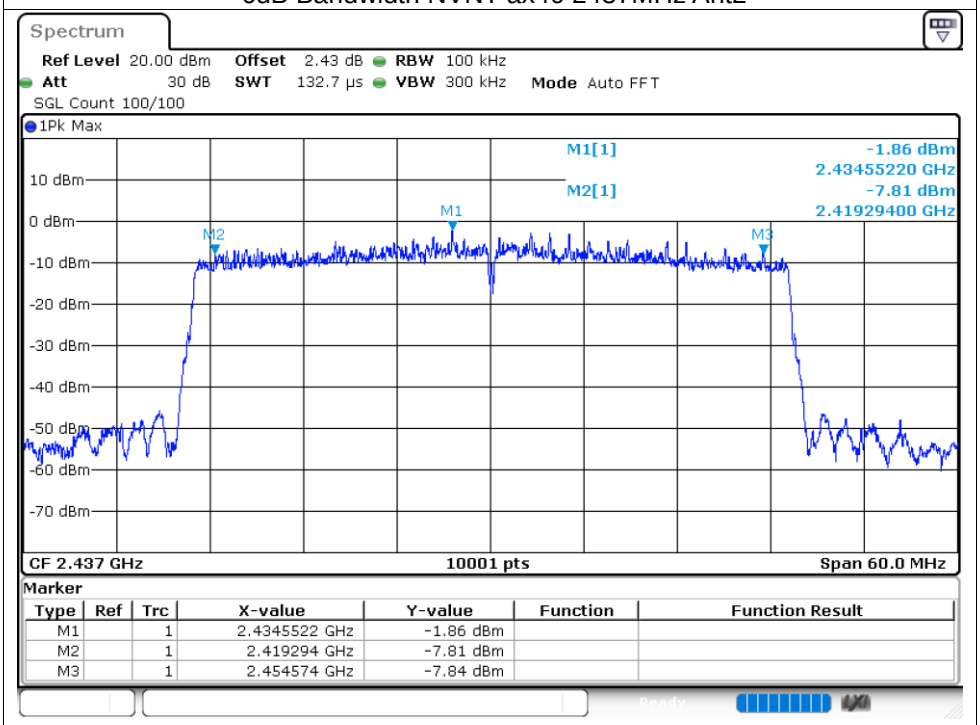
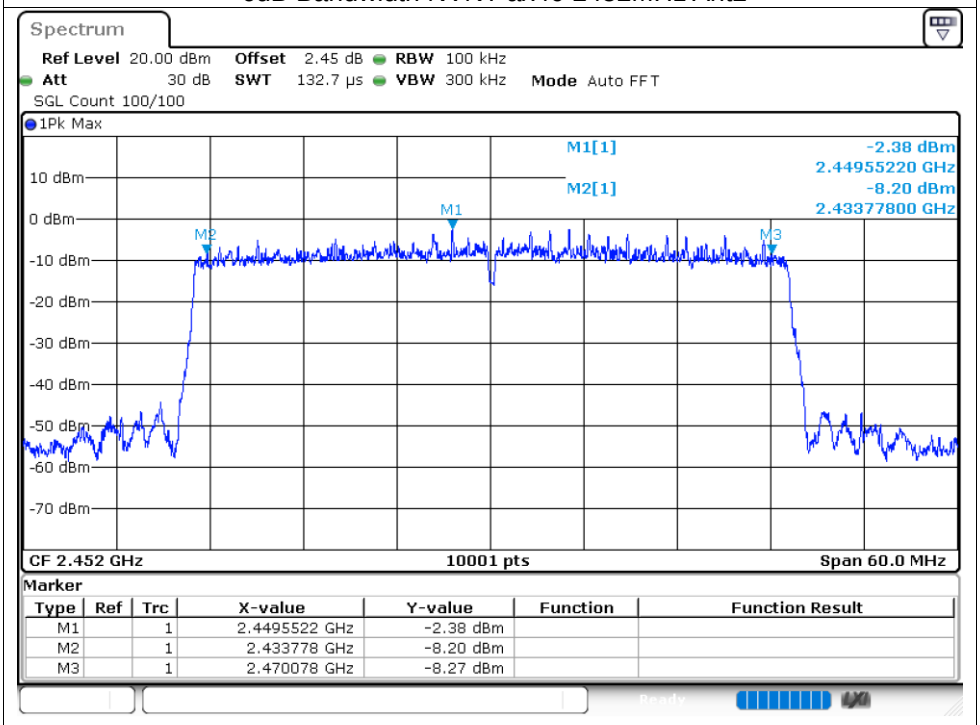
-6dB Bandwidth NVNT ax40 2437MHz Ant2



-6dB Bandwidth NVNT ax40 2452MHz Ant2

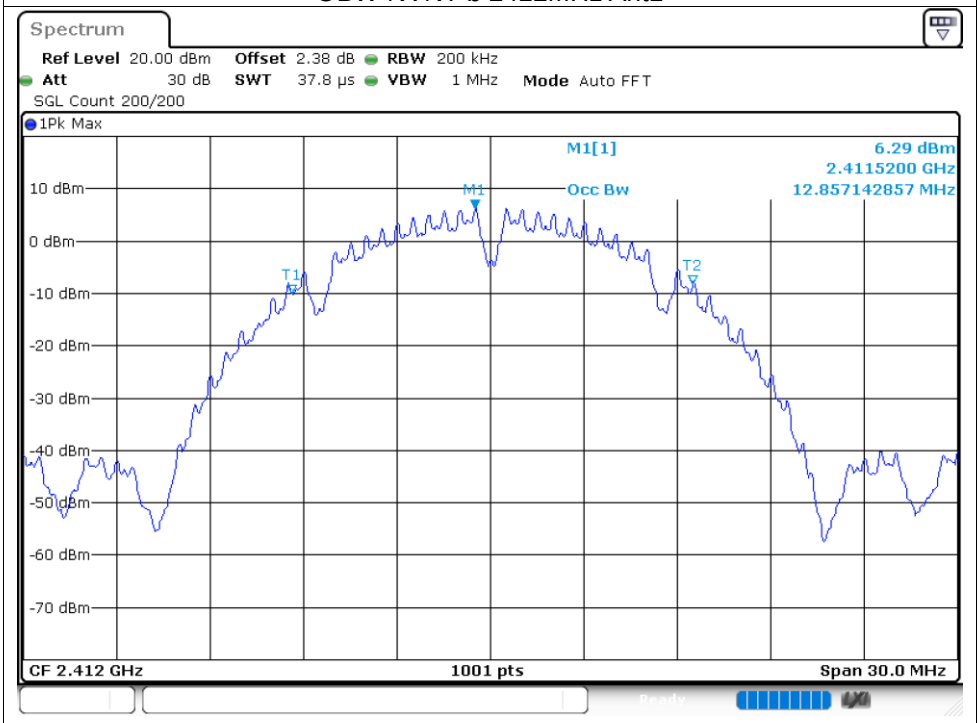


8.3 OCCUPIED CHANNEL BANDWIDTH

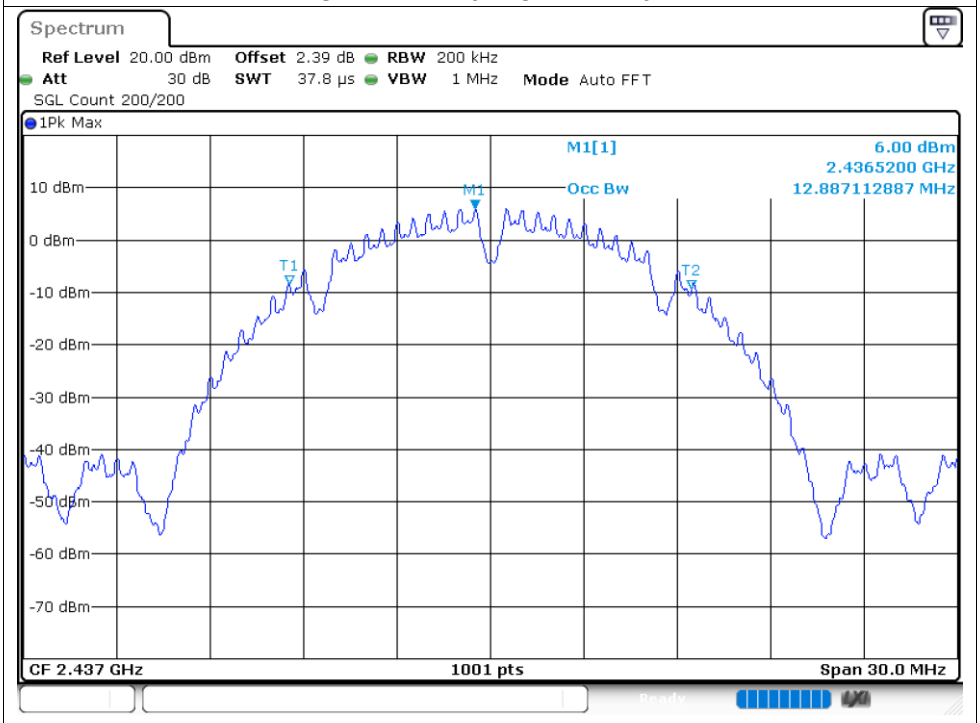
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.857
NVNT	b	2437	Ant1	12.887
NVNT	b	2462	Ant1	12.887
NVNT	b	2412	Ant2	12.86
NVNT	b	2437	Ant2	12.872
NVNT	b	2462	Ant2	12.83
NVNT	g	2412	Ant1	16.402
NVNT	g	2437	Ant1	16.441
NVNT	g	2462	Ant1	16.372
NVNT	g	2412	Ant2	16.369
NVNT	g	2437	Ant2	16.42
NVNT	g	2462	Ant2	16.351
NVNT	n20	2412	Ant1	17.512
NVNT	n20	2437	Ant1	17.554
NVNT	n20	2462	Ant1	17.596
NVNT	n20	2412	Ant2	17.536
NVNT	n20	2437	Ant2	17.554
NVNT	n20	2462	Ant2	17.491
NVNT	n40	2422	Ant1	36.02
NVNT	n40	2437	Ant1	35.984
NVNT	n40	2452	Ant1	36.008
NVNT	n40	2422	Ant2	36.026
NVNT	n40	2437	Ant2	35.99
NVNT	n40	2452	Ant2	36.08
NVNT	ax20	2412	Ant1	18.811
NVNT	ax20	2437	Ant1	18.925
NVNT	ax20	2462	Ant1	18.928
NVNT	ax20	2412	Ant2	18.823
NVNT	ax20	2437	Ant2	18.907
NVNT	ax20	2462	Ant2	18.937
NVNT	ax40	2422	Ant1	37.592
NVNT	ax40	2437	Ant1	37.592
NVNT	ax40	2452	Ant1	37.592
NVNT	ax40	2422	Ant2	37.586
NVNT	ax40	2437	Ant2	37.58
NVNT	ax40	2452	Ant2	37.64

Test Graphs

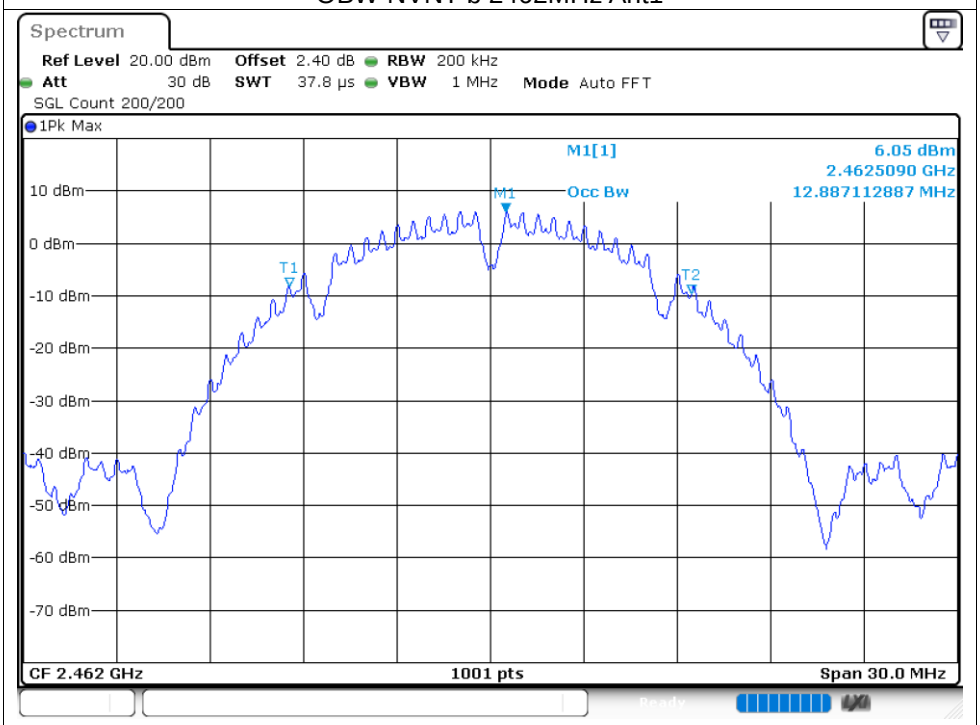
OBW NVNT b 2412MHz Ant1



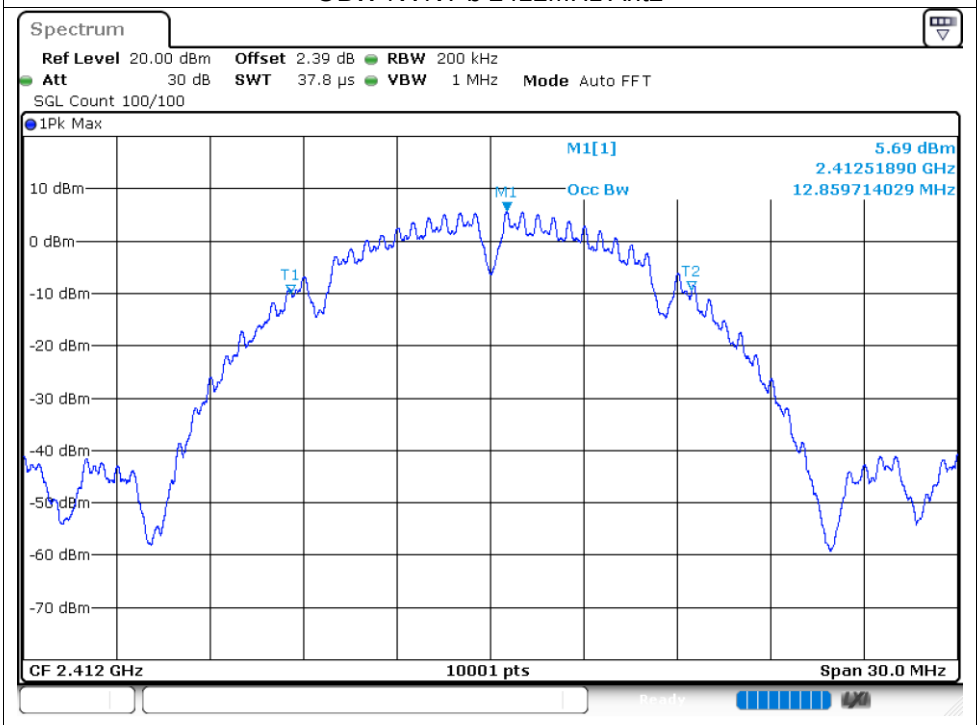
OBW NVNT b 2437MHz Ant1



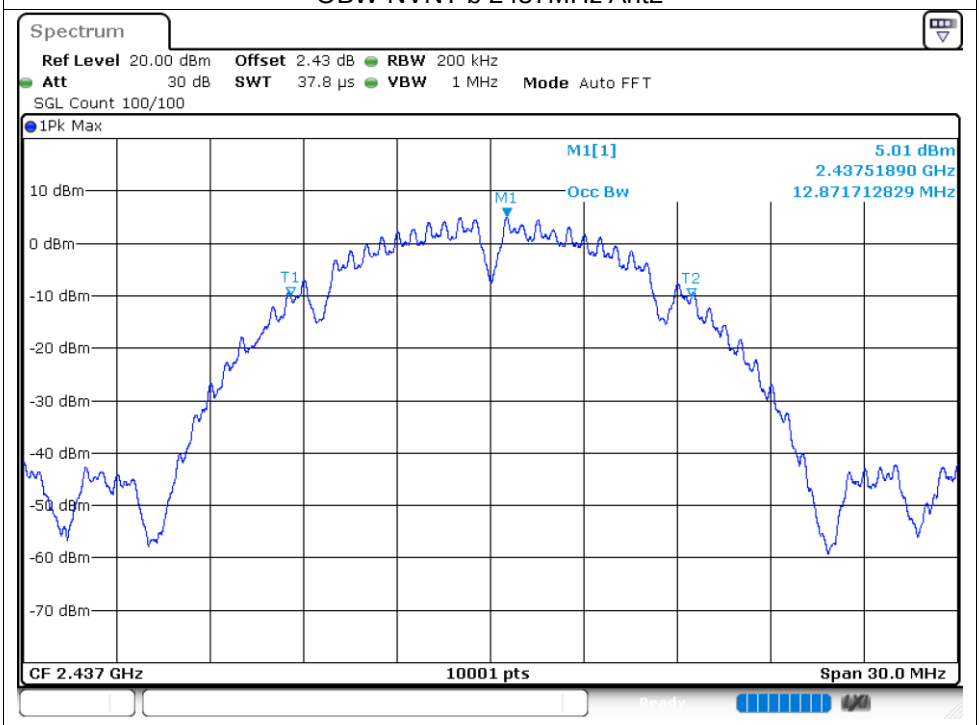
OBW NVNT b 2462MHz Ant1



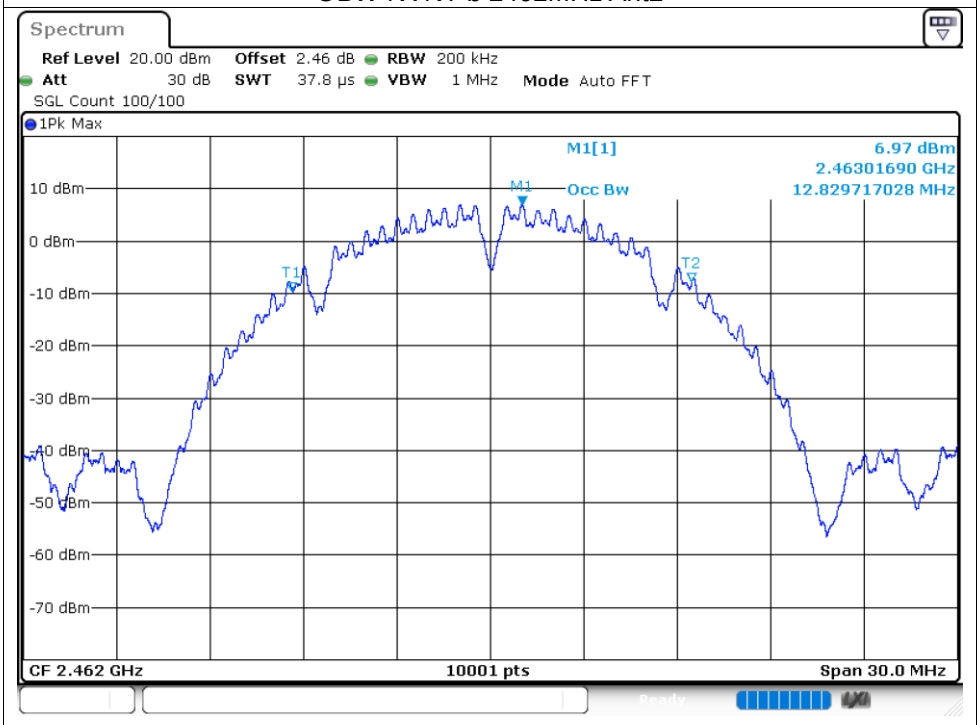
OBW NVNT b 2412MHz Ant2



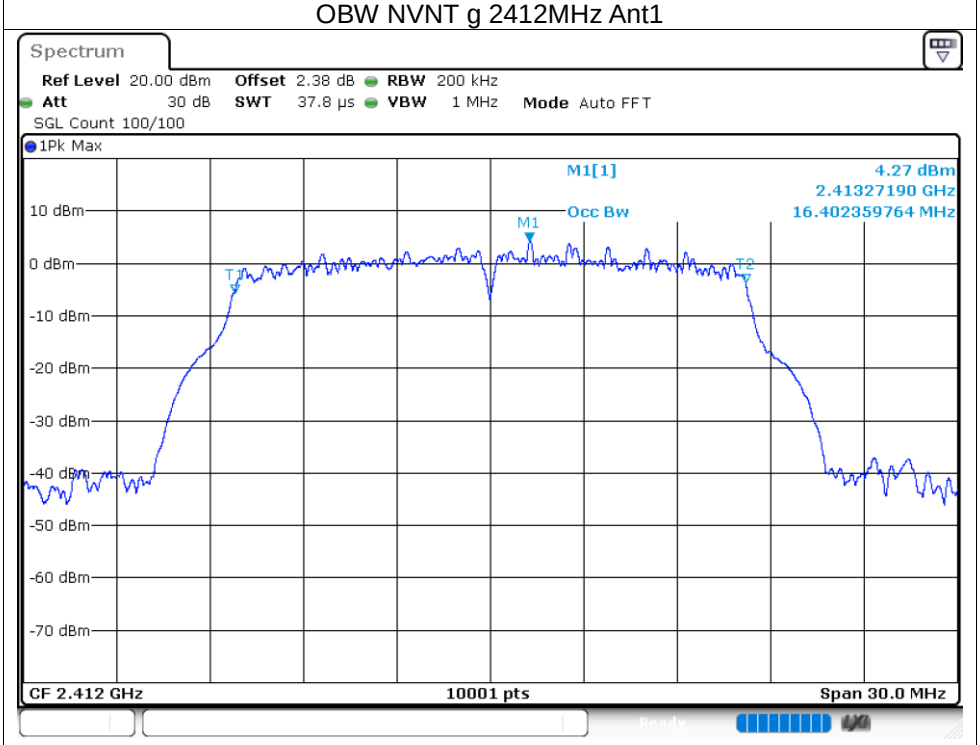
OBW NVNT b 2437MHz Ant2



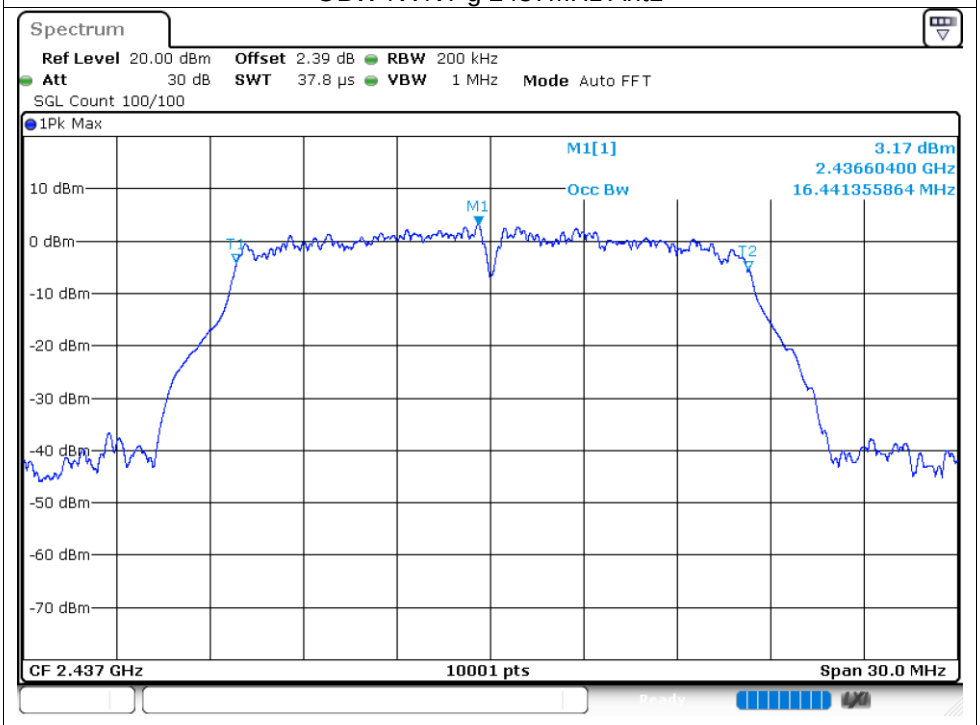
OBW NVNT b 2462MHz Ant2



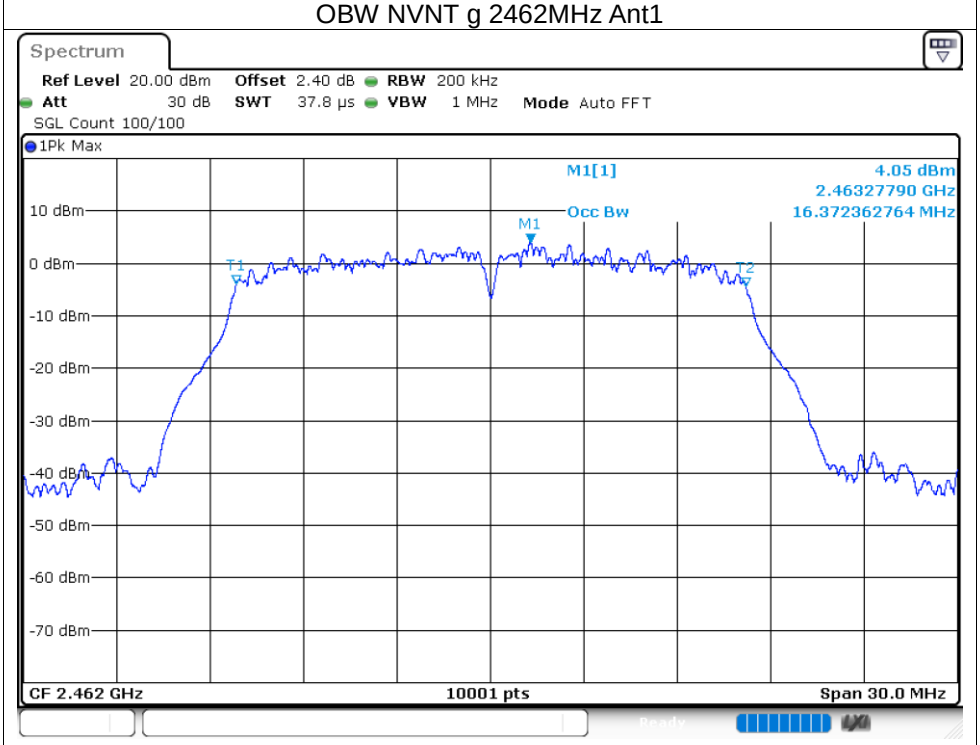
OBW NVNT g 2412MHz Ant1



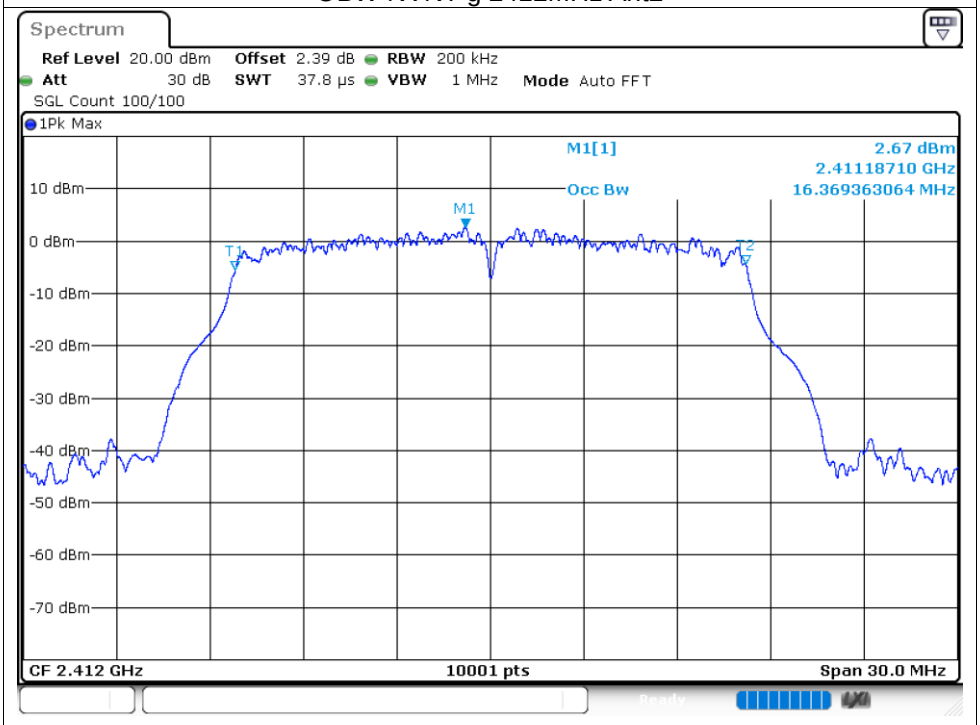
OBW NVNT g 2437MHz Ant1



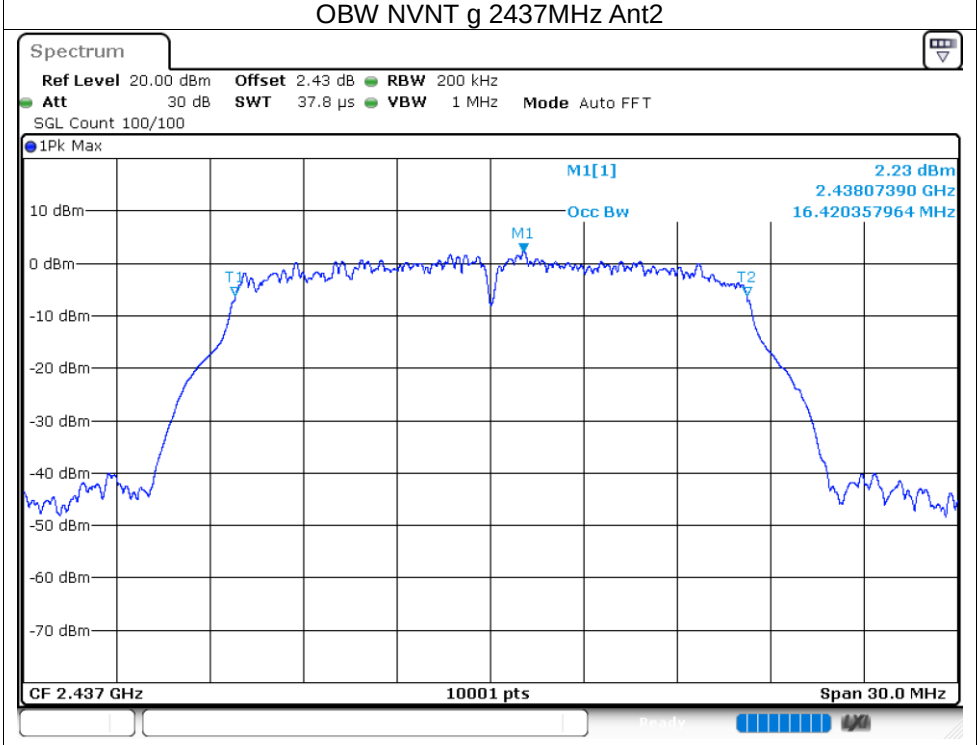
OBW NVNT g 2462MHz Ant1



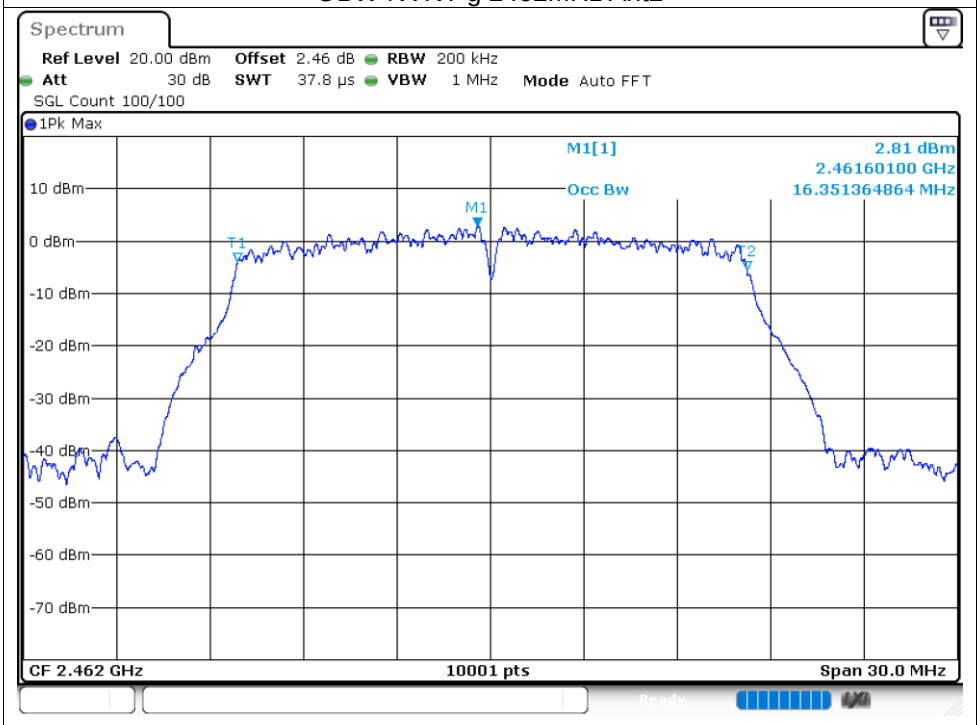
OBW NVNT g 2412MHz Ant2



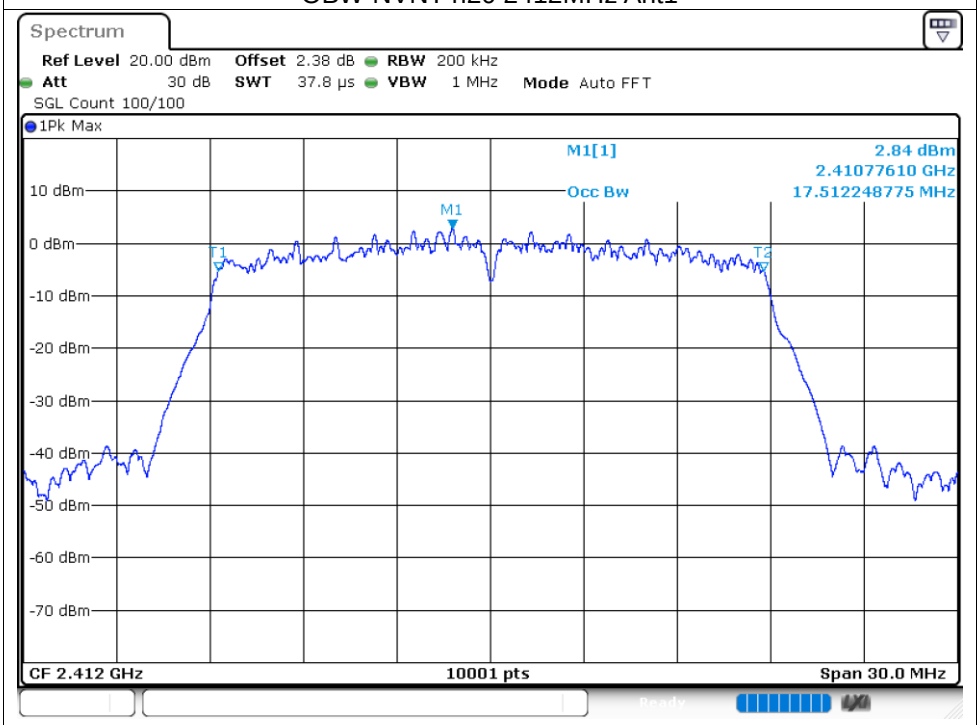
OBW NVNT g 2437MHz Ant2



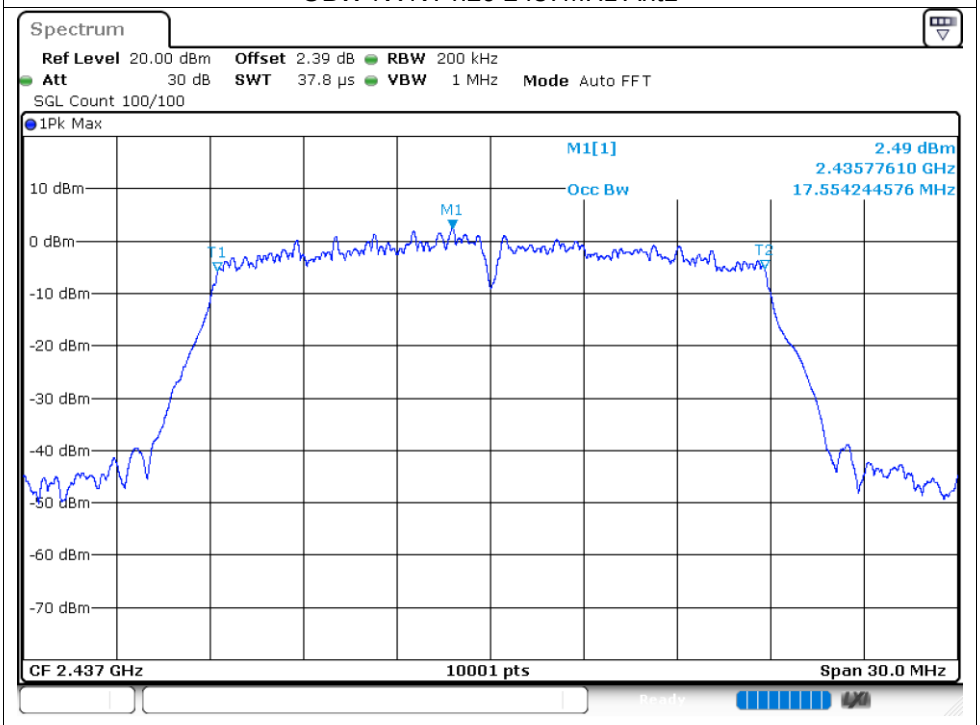
OBW NVNT g 2462MHz Ant2



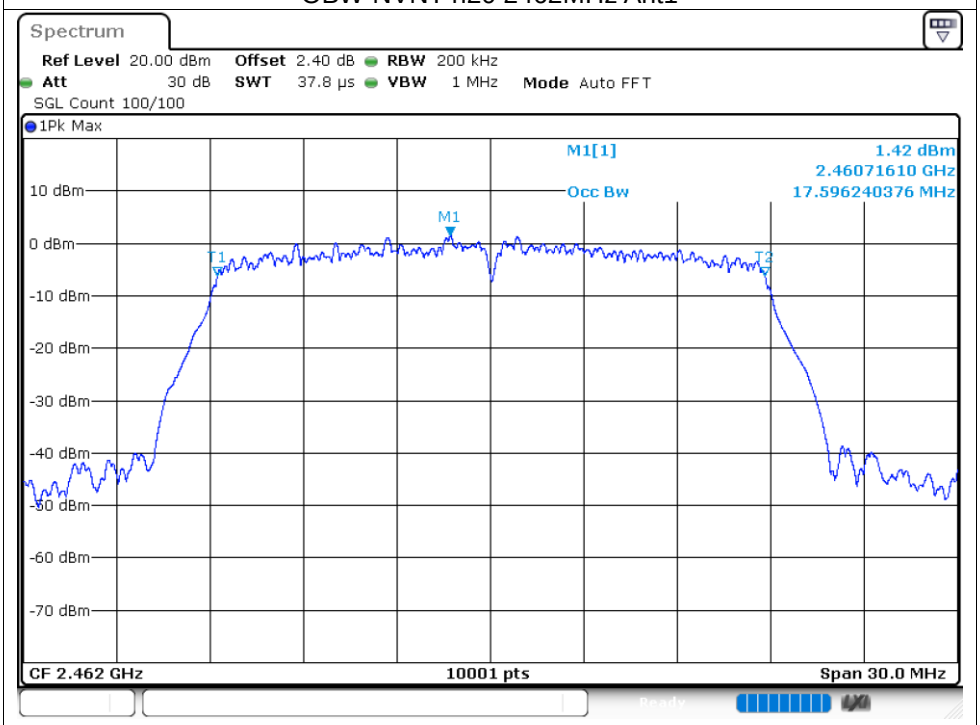
OBW NVNT n20 2412MHz Ant1



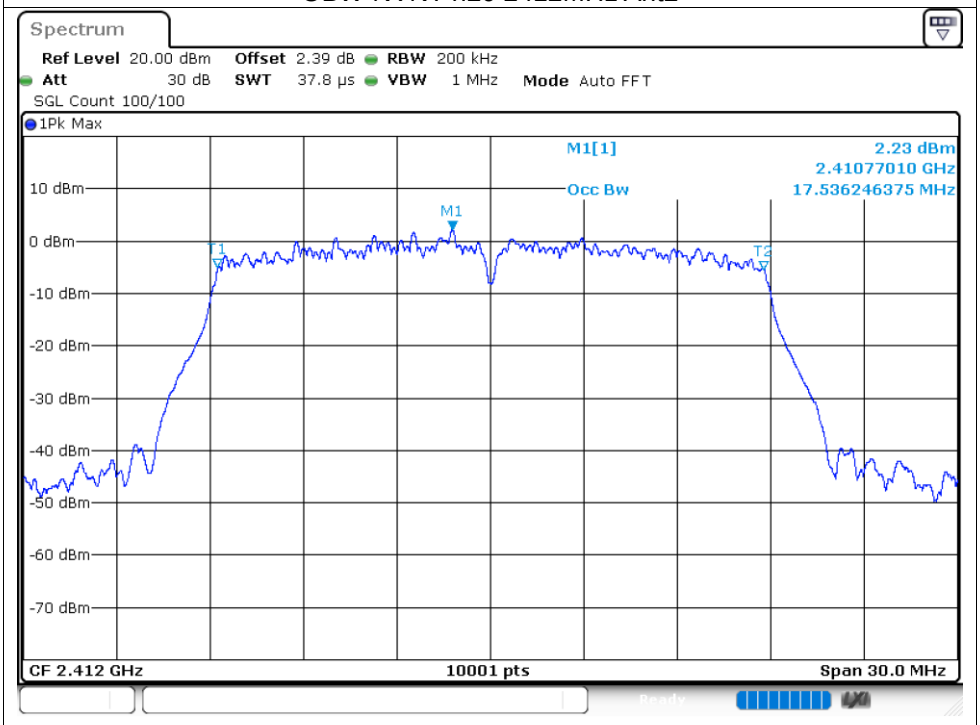
OBW NVNT n20 2437MHz Ant1



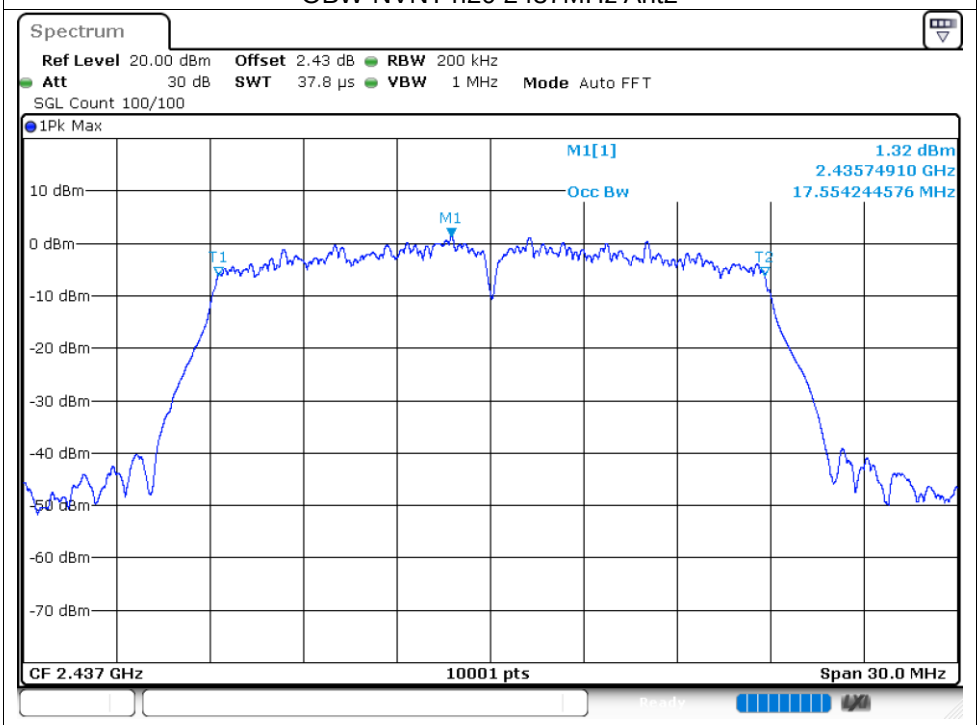
OBW NVNT n20 2462MHz Ant1



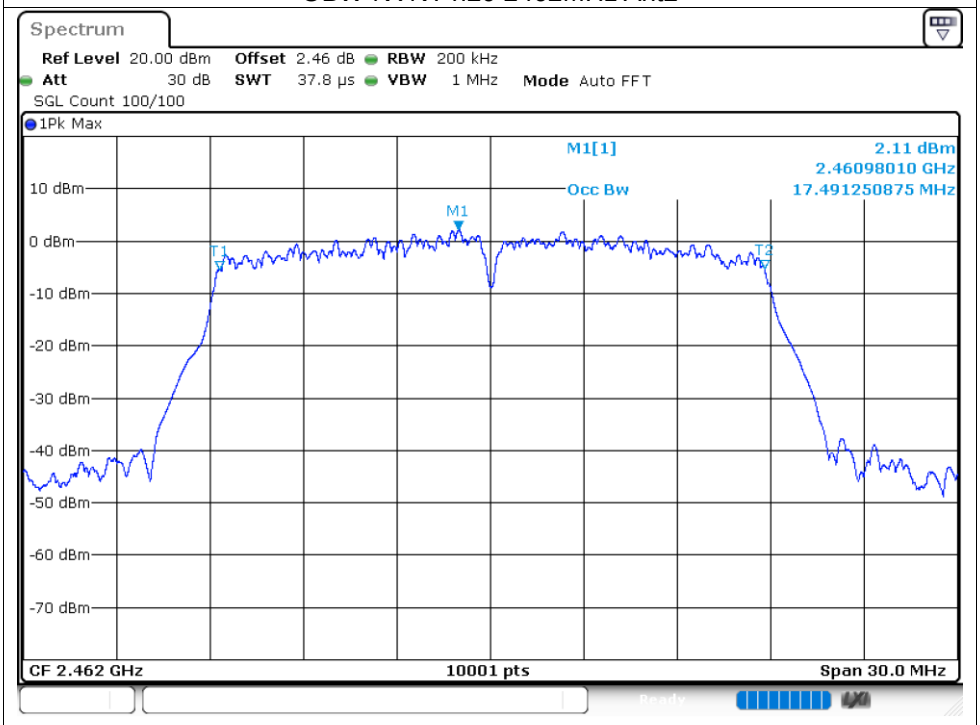
OBW NVNT n20 2412MHz Ant2



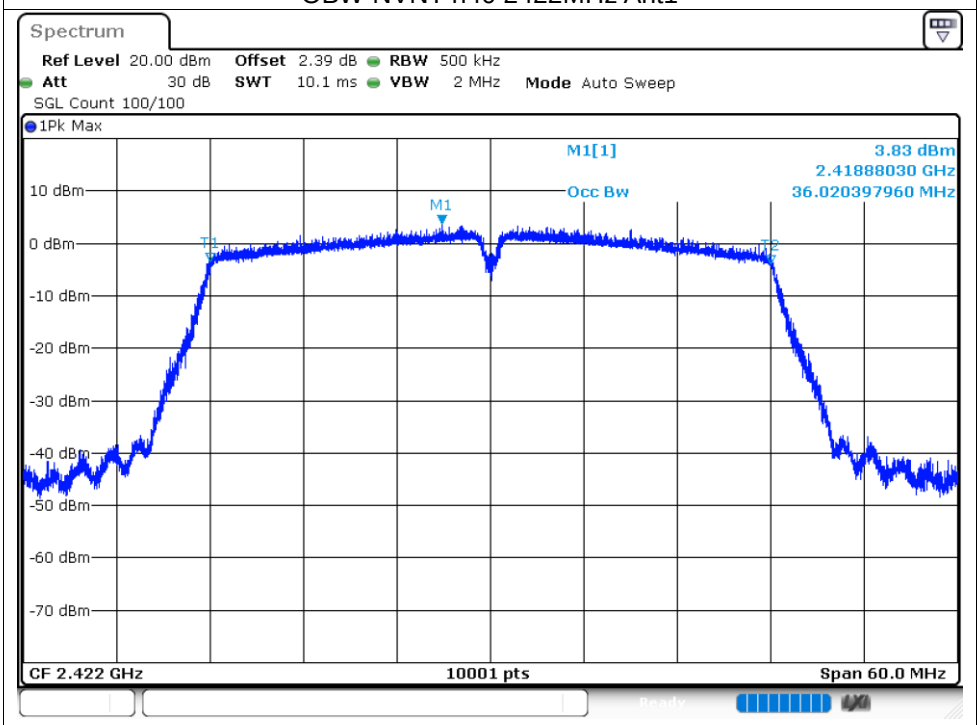
OBW NVNT n20 2437MHz Ant2



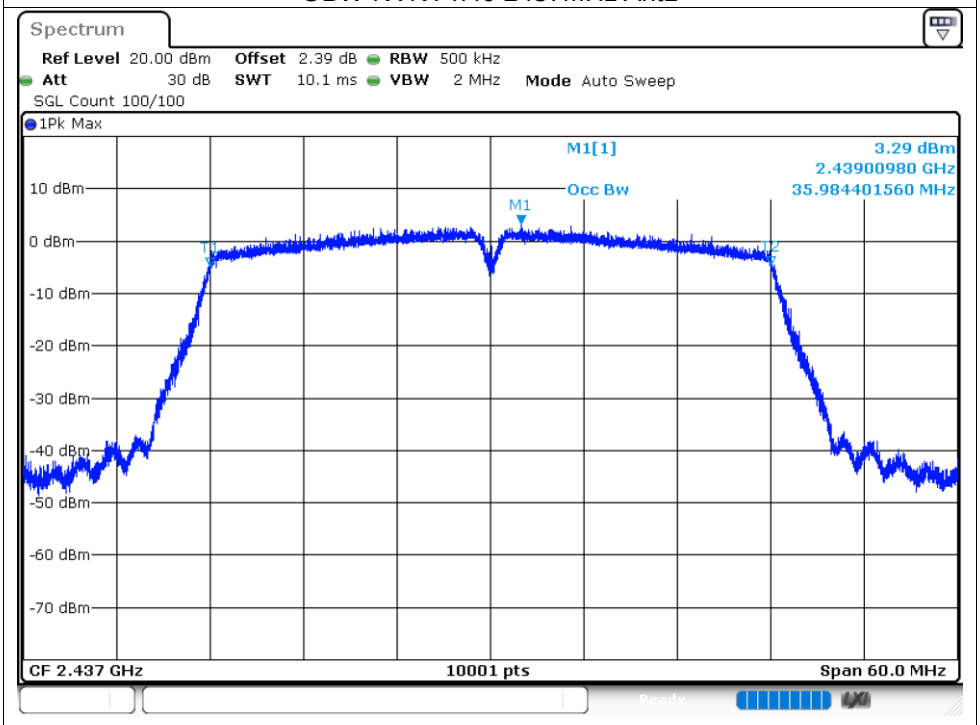
OBW NVNT n20 2462MHz Ant2



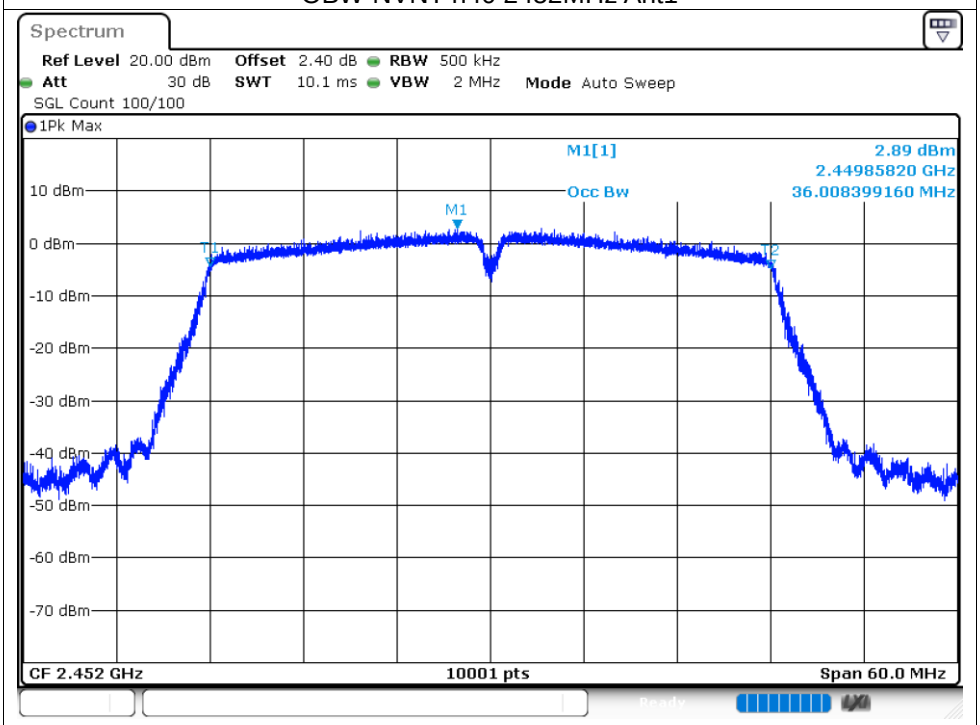
OBW NVNT n40 2422MHz Ant1



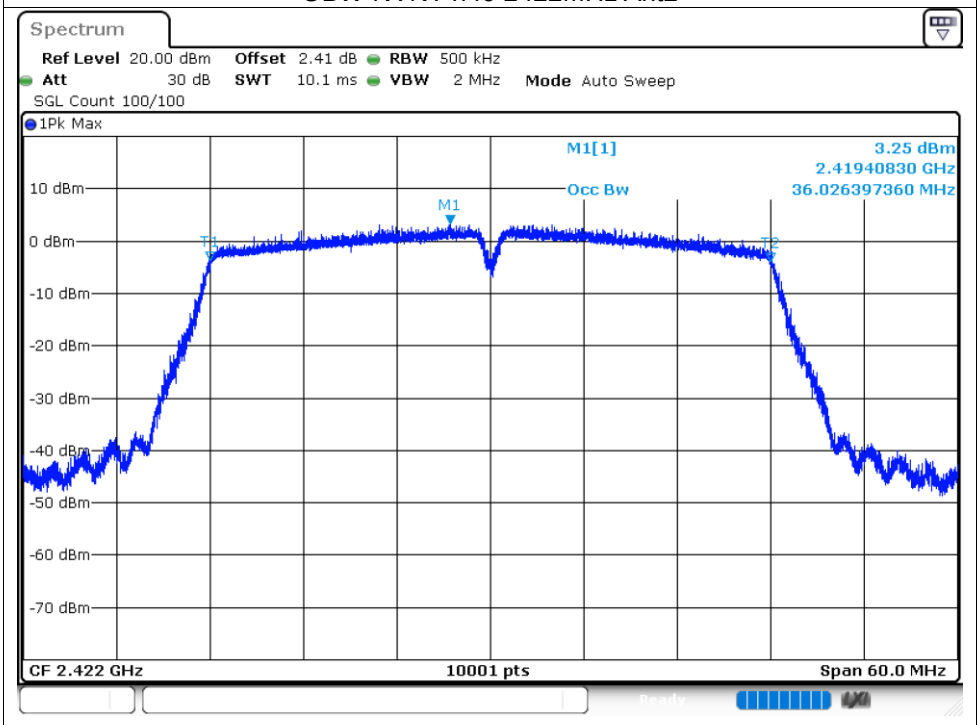
OBW NVNT n40 2437MHz Ant1



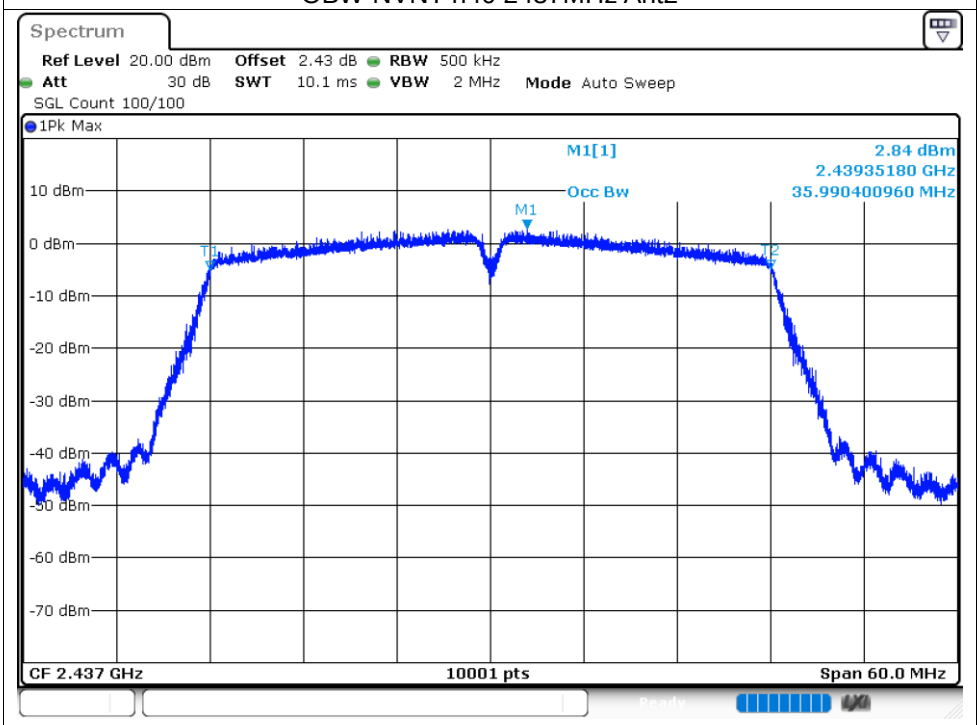
OBW NVNT n40 2452MHz Ant1



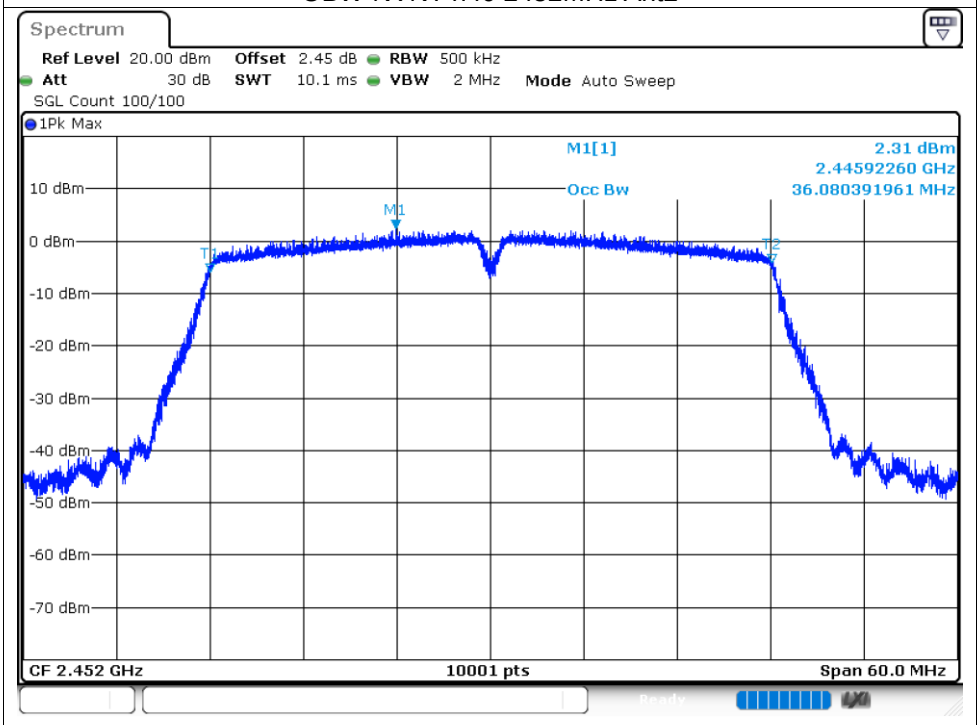
OBW NVNT n40 2422MHz Ant2



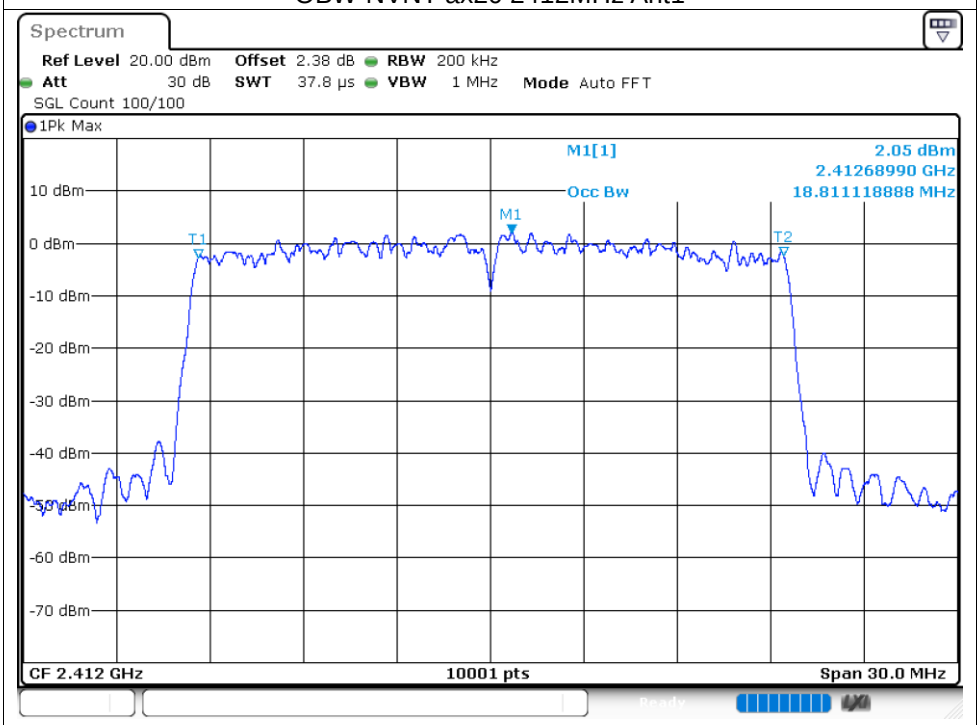
OBW NVNT n40 2437MHz Ant2



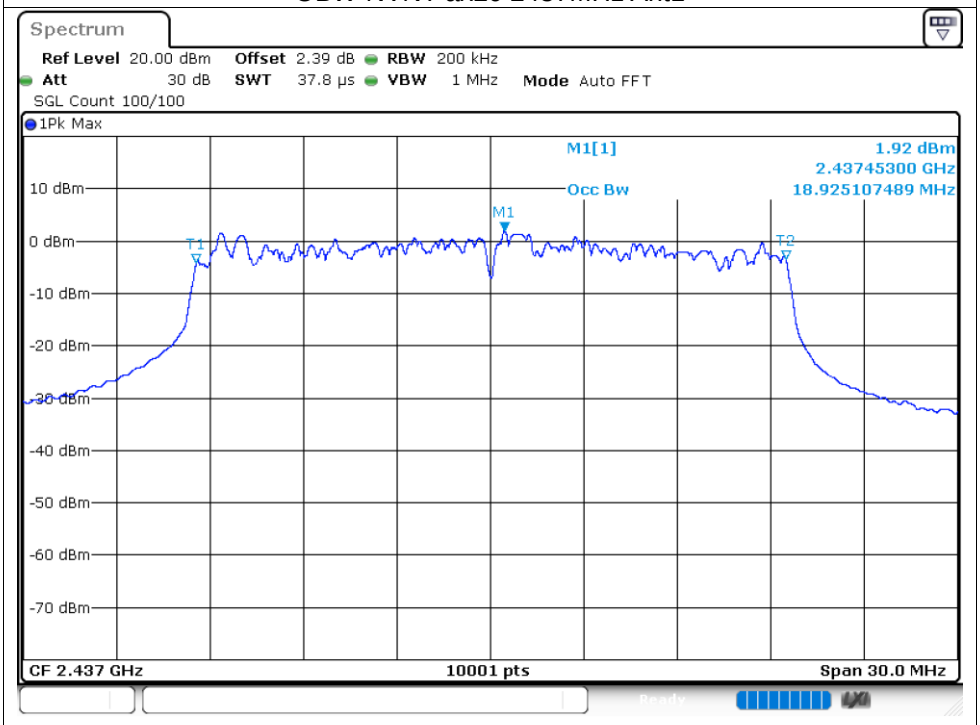
OBW NVNT n40 2452MHz Ant2



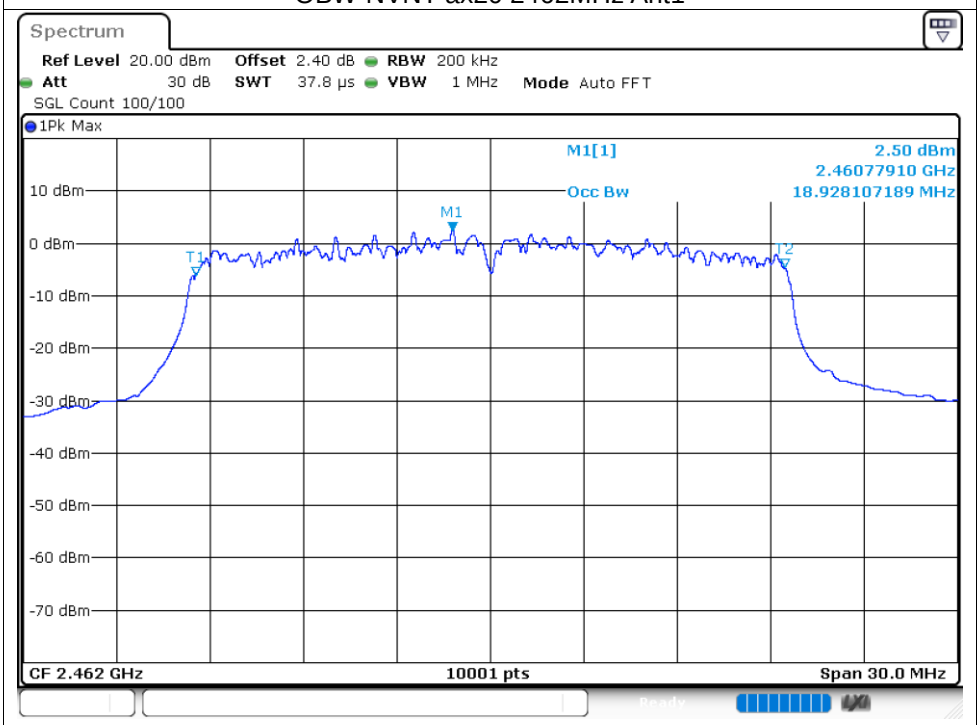
OBW NVNT ax20 2412MHz Ant1



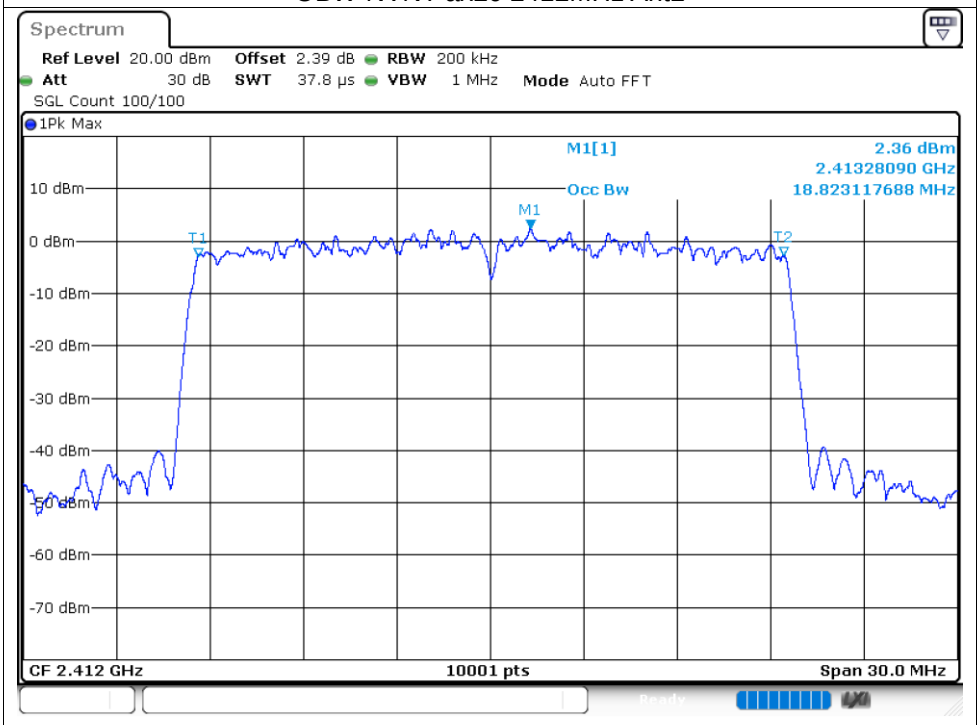
OBW NVNT ax20 2437MHz Ant1



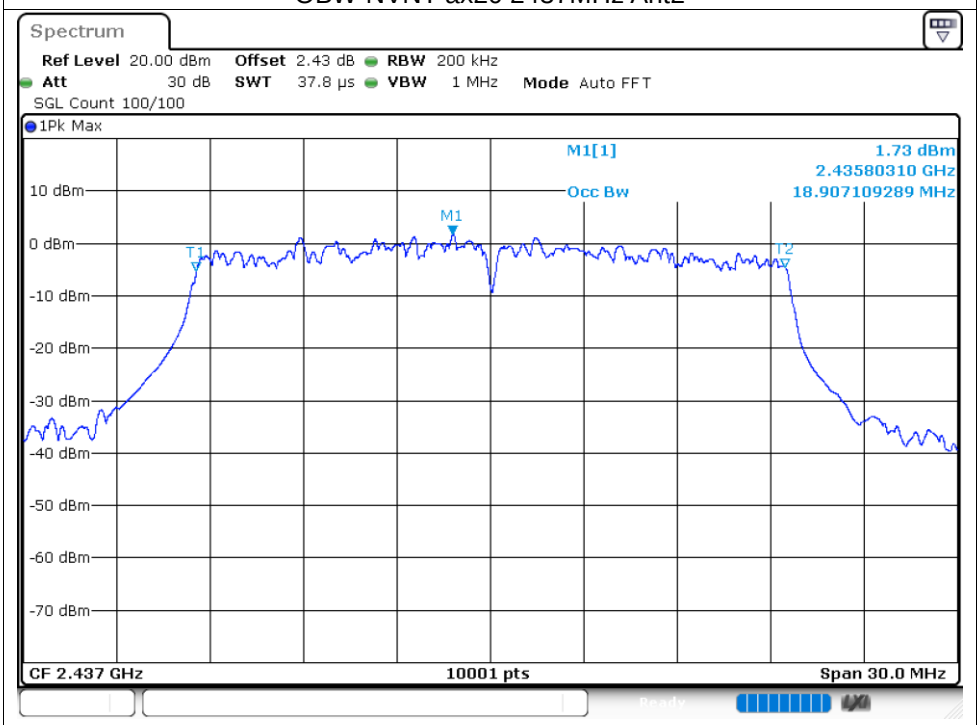
OBW NVNT ax20 2462MHz Ant1



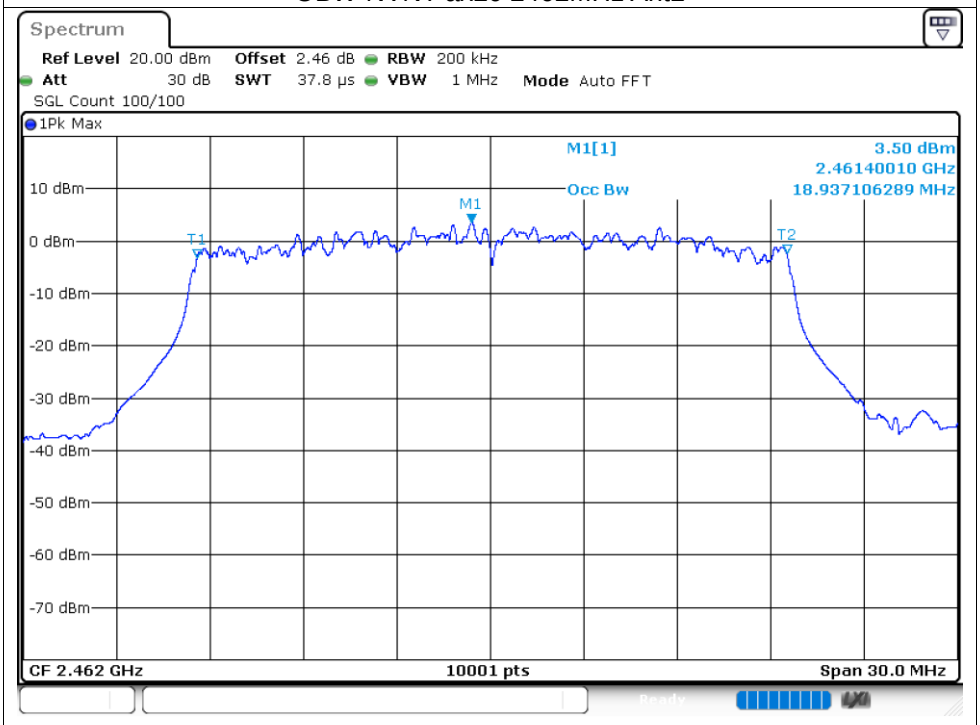
OBW NVNT ax20 2412MHz Ant2



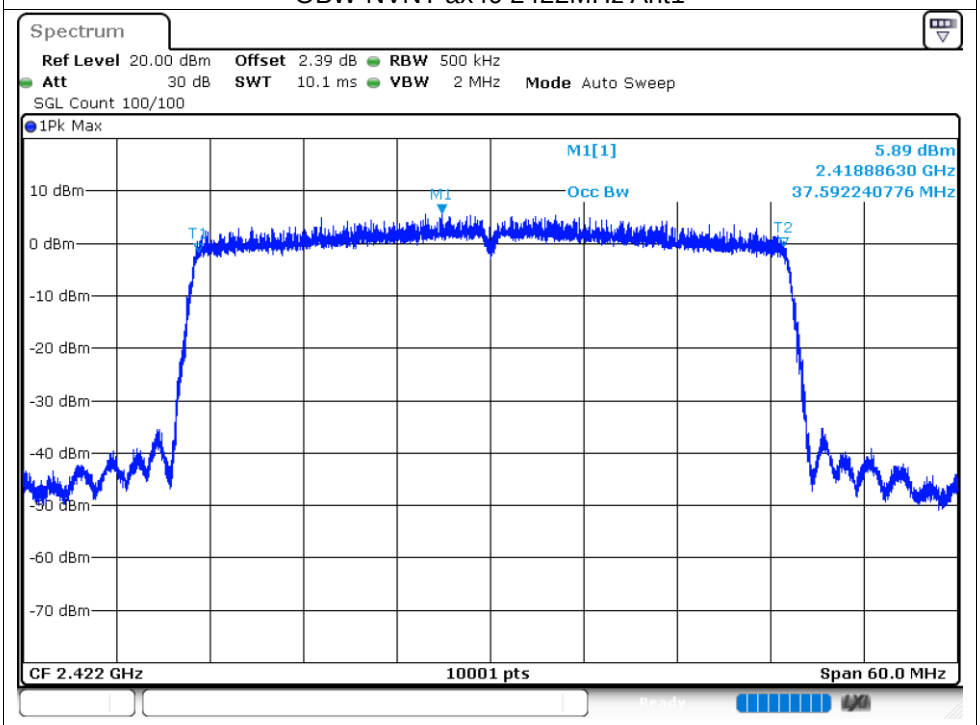
OBW NVNT ax20 2437MHz Ant2



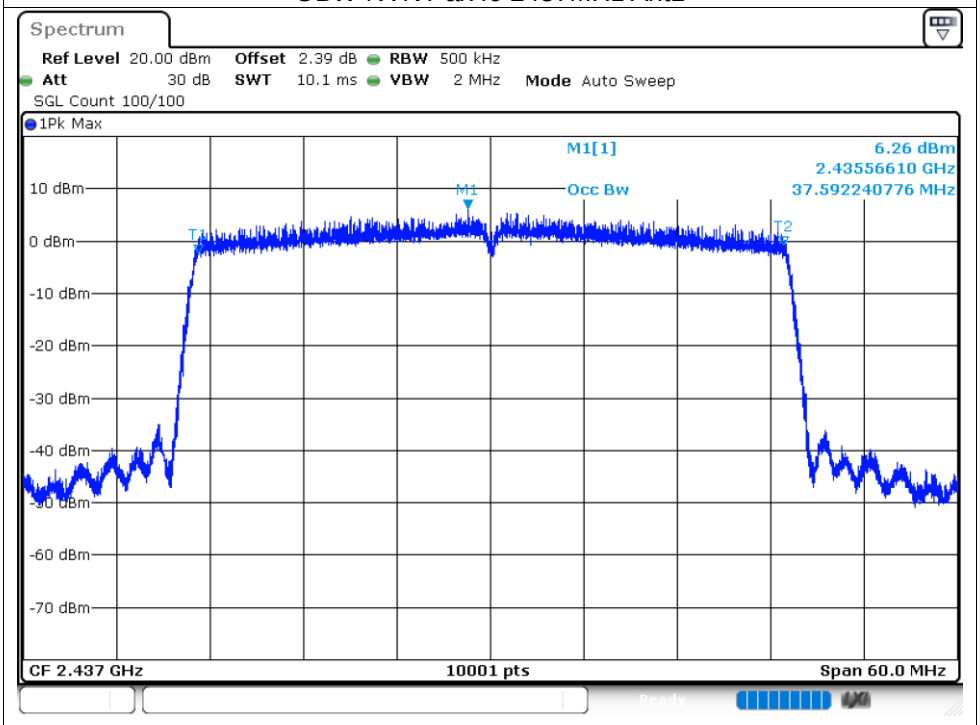
OBW NVNT ax20 2462MHz Ant2



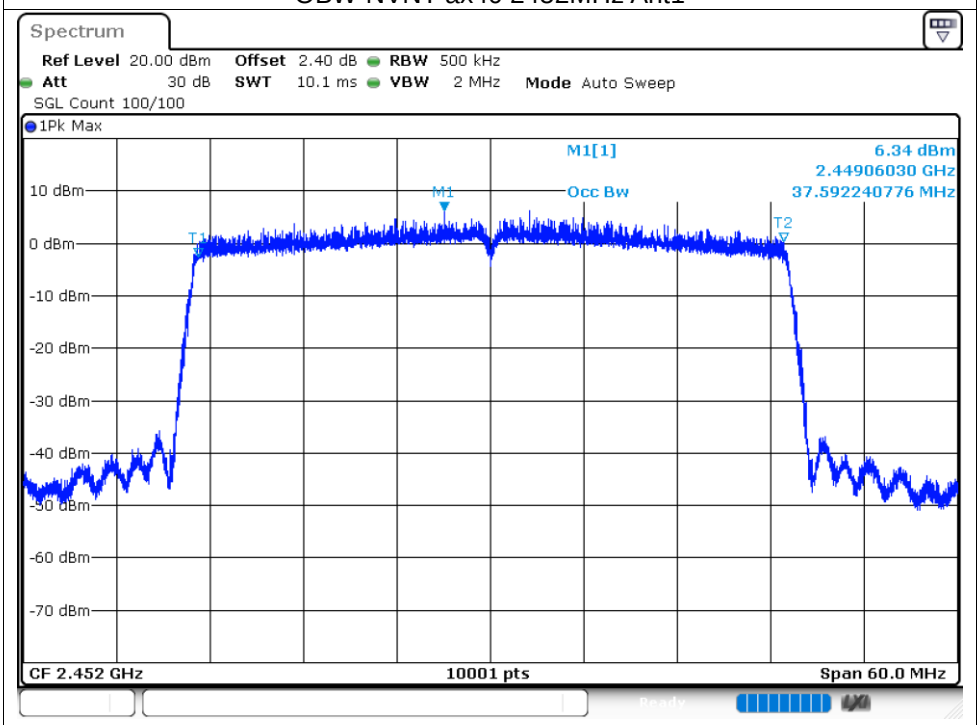
OBW NVNT ax40 2422MHz Ant1



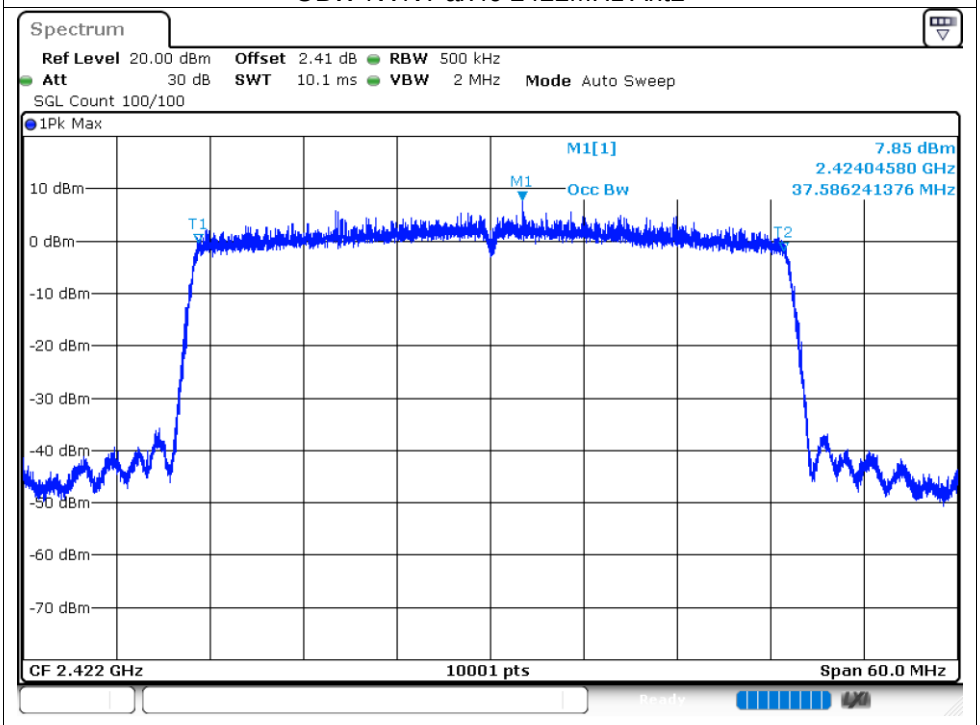
OBW NVNT ax40 2437MHz Ant1



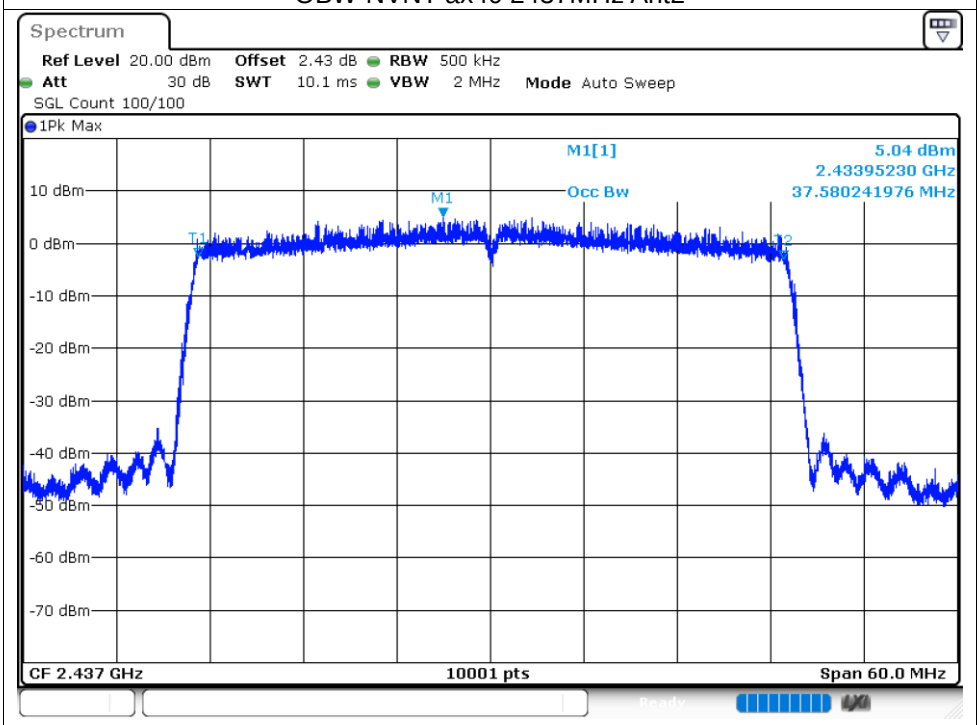
OBW NVNT ax40 2452MHz Ant1



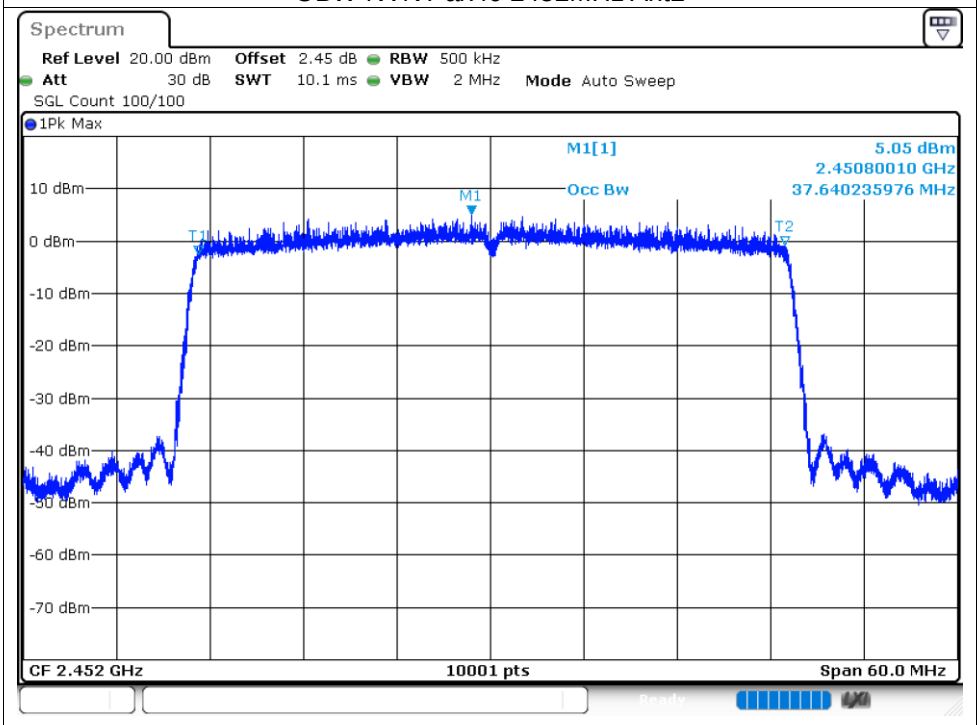
OBW NVNT ax40 2422MHz Ant2



OBW NVNT ax40 2437MHz Ant2



OBW NVNT ax40 2452MHz Ant2

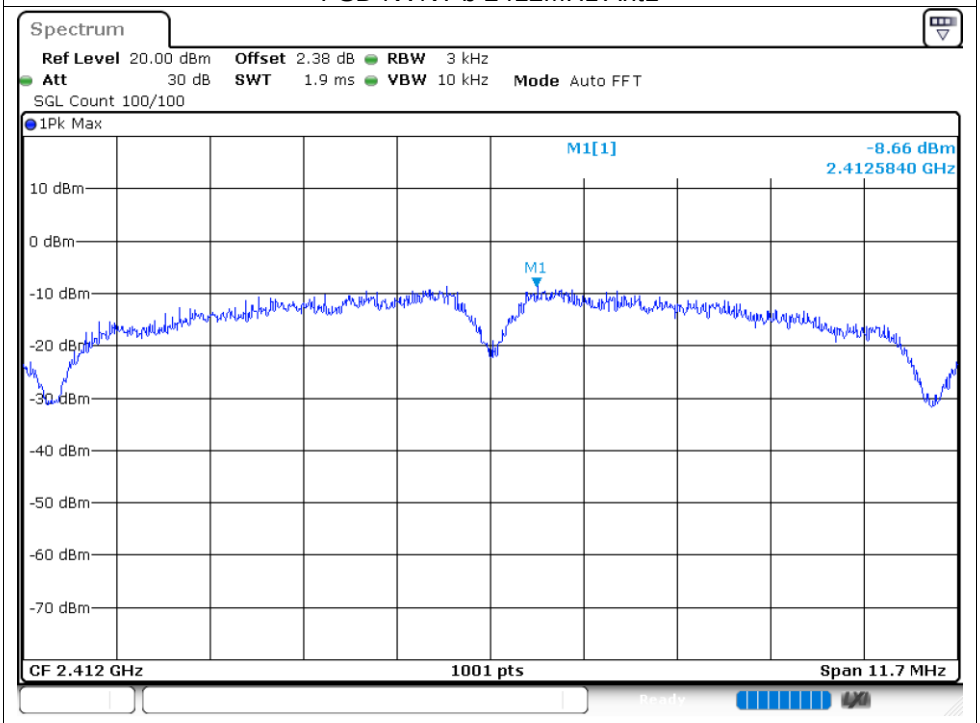


8.4 MAXIMUM POWER SPECTRAL DENSITY LEVEL

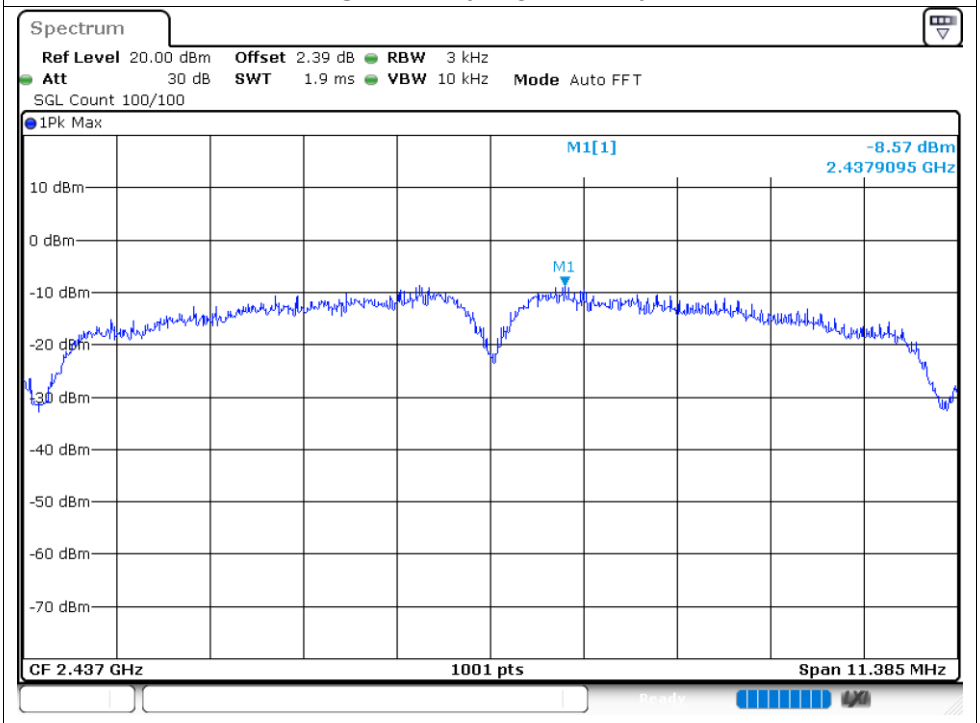
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-8.66	8	Pass
NVNT	b	2437	Ant1	-8.57	8	Pass
NVNT	b	2462	Ant1	-8.76	8	Pass
NVNT	b	2412	Ant2	-9.2	8	Pass
NVNT	b	2437	Ant2	-8.5	8	Pass
NVNT	b	2462	Ant2	-8.34	8	Pass
NVNT	g	2412	Ant1	-10.76	8	Pass
NVNT	g	2437	Ant1	-10.77	8	Pass
NVNT	g	2462	Ant1	-9.57	8	Pass
NVNT	g	2412	Ant2	-11.24	8	Pass
NVNT	g	2437	Ant2	-11.2	8	Pass
NVNT	g	2462	Ant2	-9.89	8	Pass
NVNT	n20	2412	Ant1	-12.09	8	Pass
NVNT	n20	2437	Ant1	-12.69	8	Pass
NVNT	n20	2462	Ant1	-12.55	8	Pass
NVNT	n20	2412	Ant2	-12.34	8	Pass
NVNT	n20	2437	Ant2	-12.07	8	Pass
NVNT	n20	2462	Ant2	-11.95	8	Pass
NVNT	n40	2422	Ant1	-14.31	8	Pass
NVNT	n40	2437	Ant1	-14.87	8	Pass
NVNT	n40	2452	Ant1	-15.43	8	Pass
NVNT	n40	2422	Ant2	-15.74	8	Pass
NVNT	n40	2437	Ant2	-14.72	8	Pass
NVNT	n40	2452	Ant2	-15.2	8	Pass
NVNT	ax20	2412	Ant1	-12.71	8	Pass
NVNT	ax20	2437	Ant1	-13.31	8	Pass
NVNT	ax20	2462	Ant1	-12.55	8	Pass
NVNT	ax20	2412	Ant2	-12.87	8	Pass
NVNT	ax20	2437	Ant2	-13.64	8	Pass
NVNT	ax20	2462	Ant2	-12.11	8	Pass
NVNT	ax40	2422	Ant1	-15.09	8	Pass
NVNT	ax40	2437	Ant1	-15.92	8	Pass
NVNT	ax40	2452	Ant1	-16.31	8	Pass
NVNT	ax40	2422	Ant2	-15.57	8	Pass
NVNT	ax40	2437	Ant2	-16.37	8	Pass
NVNT	ax40	2452	Ant2	-16.77	8	Pass

Test Graphs

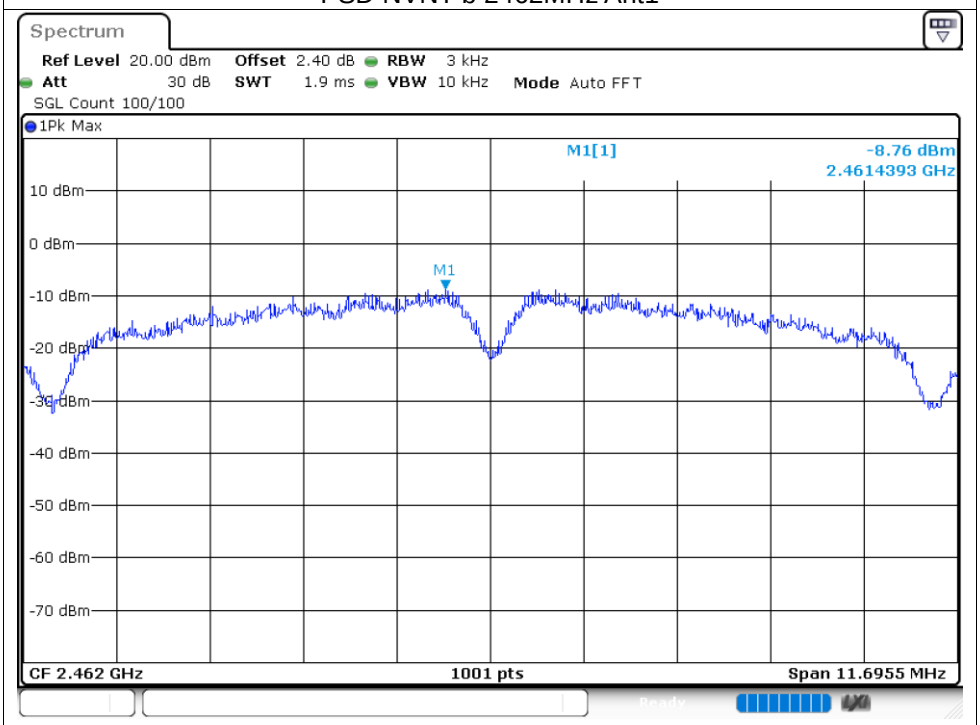
PSD NVNT b 2412MHz Ant1



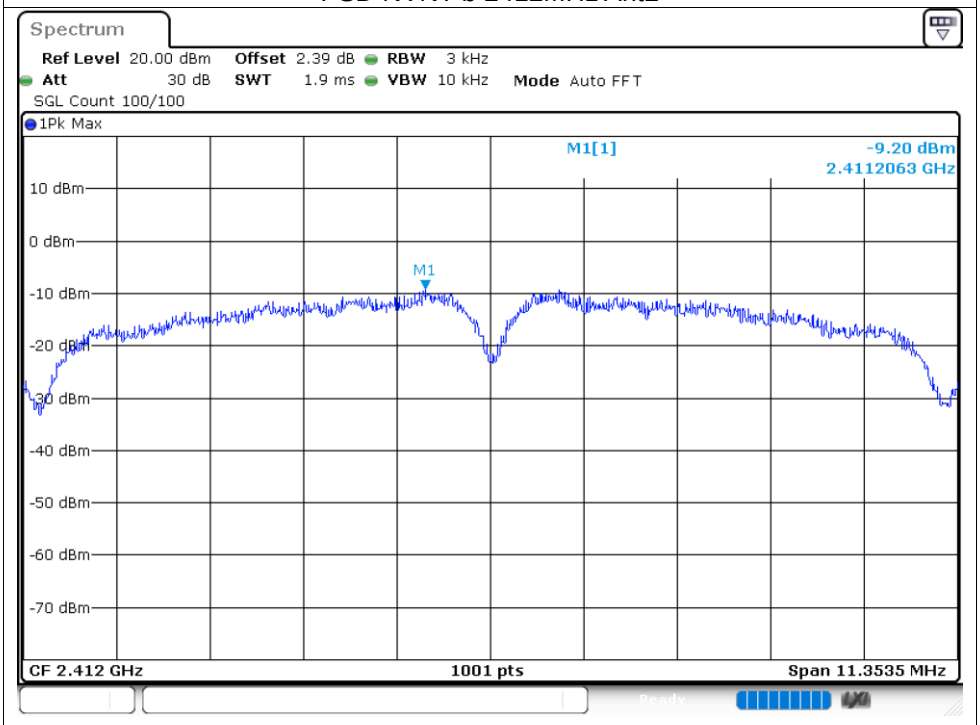
PSD NVNT b 2437MHz Ant1



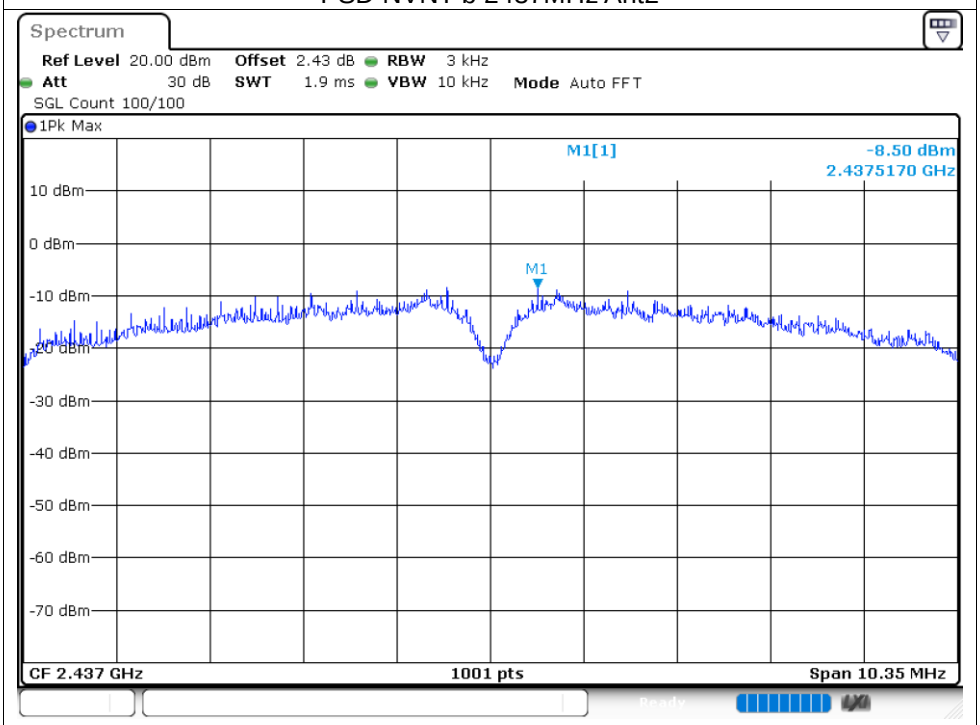
PSD NVNT b 2462MHz Ant1



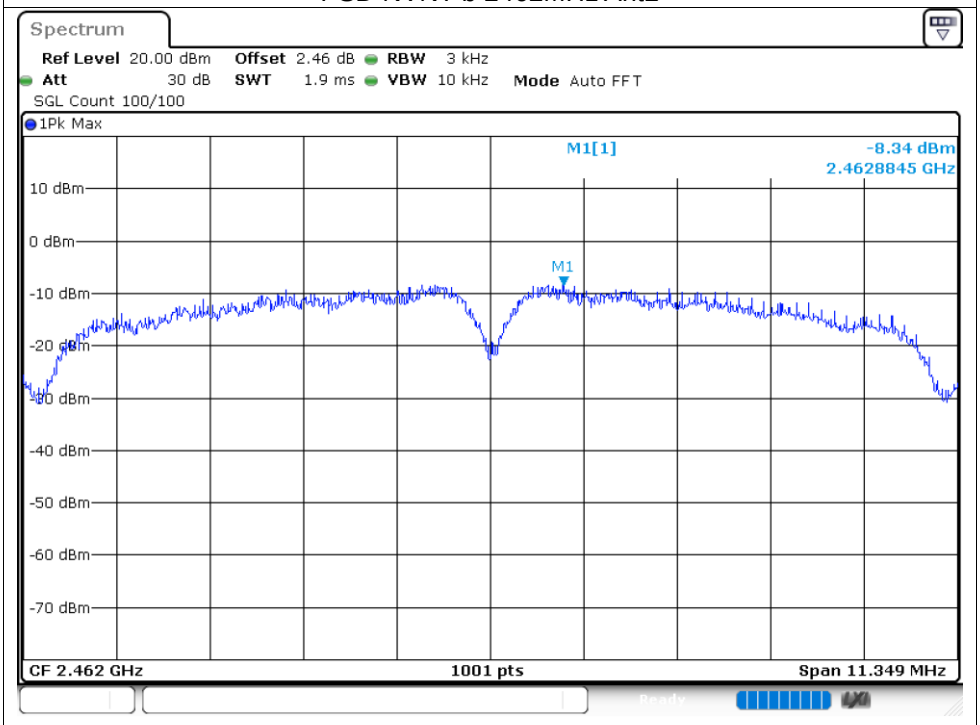
PSD NVNT b 2412MHz Ant2



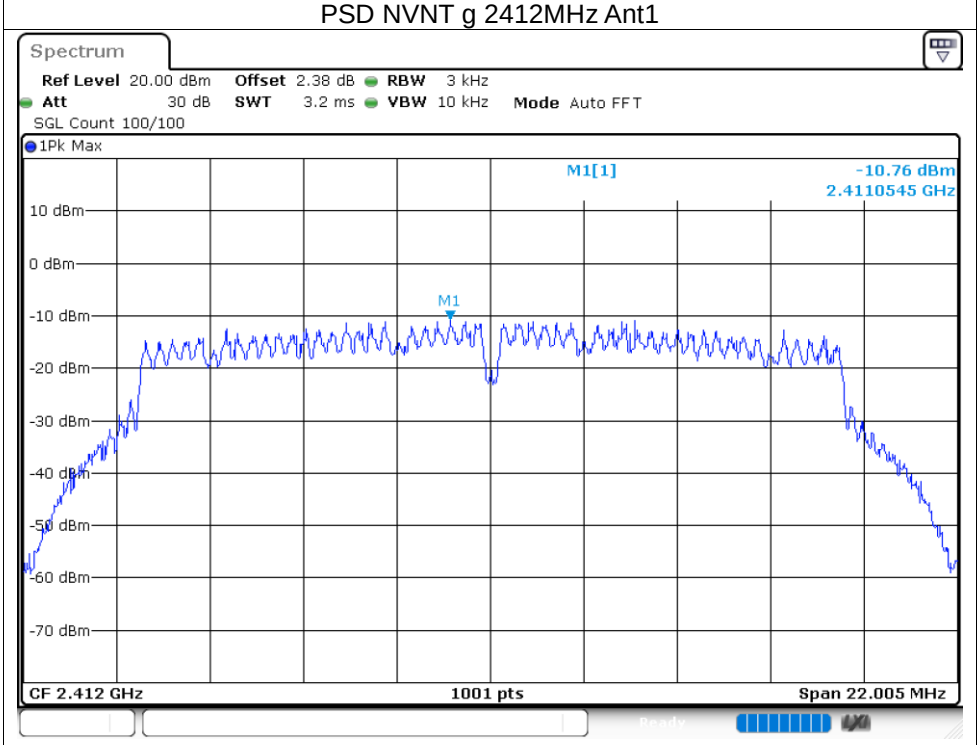
PSD NVNT b 2437MHz Ant2



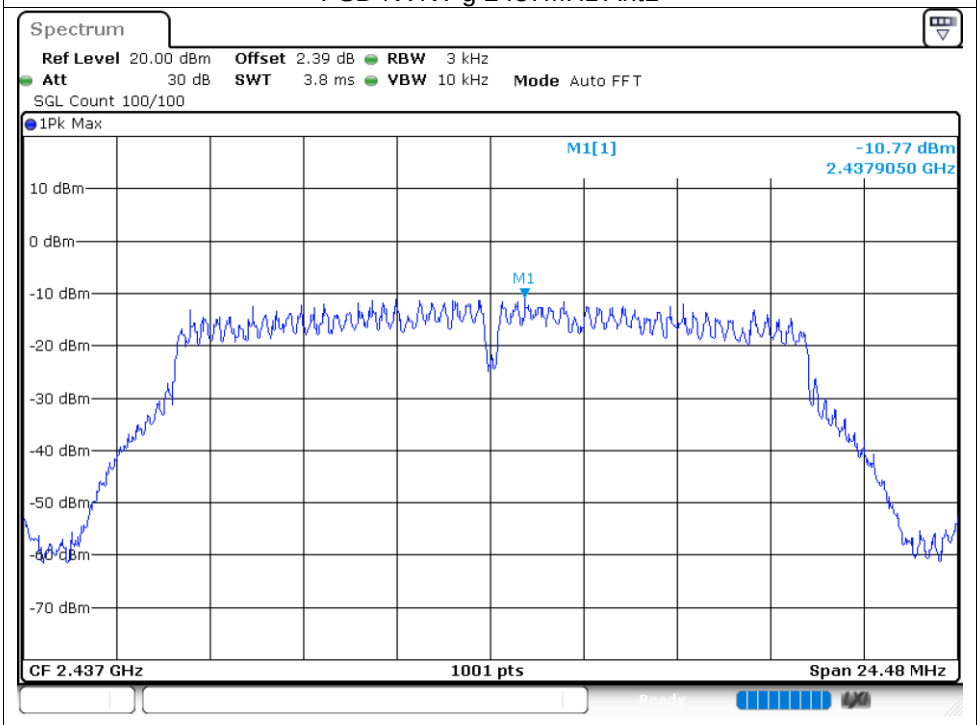
PSD NVNT b 2462MHz Ant2



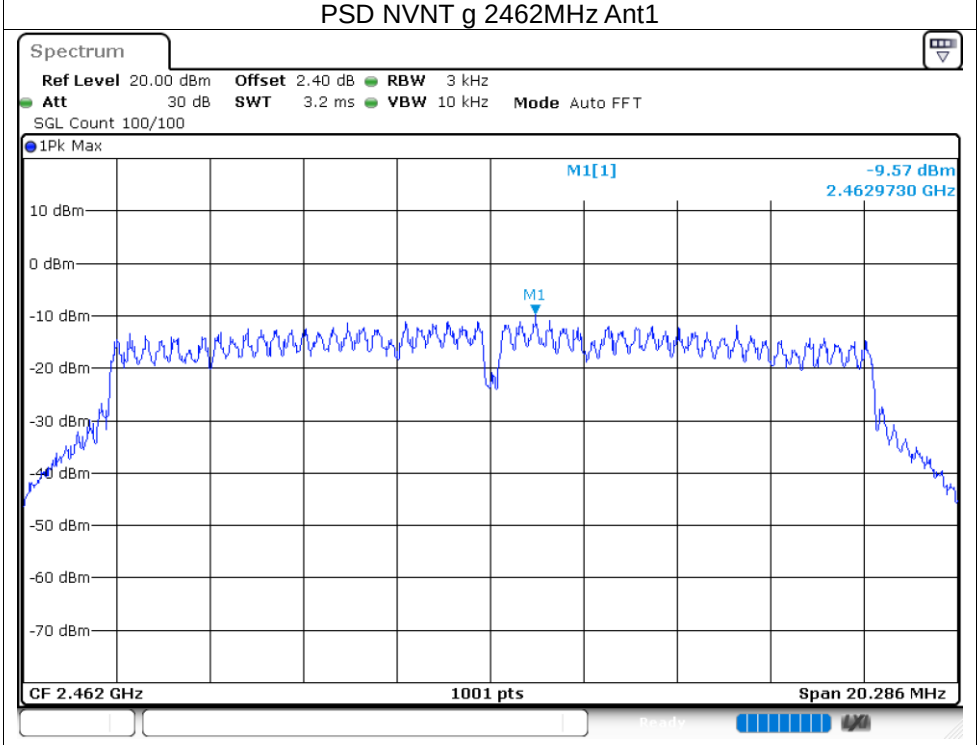
PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



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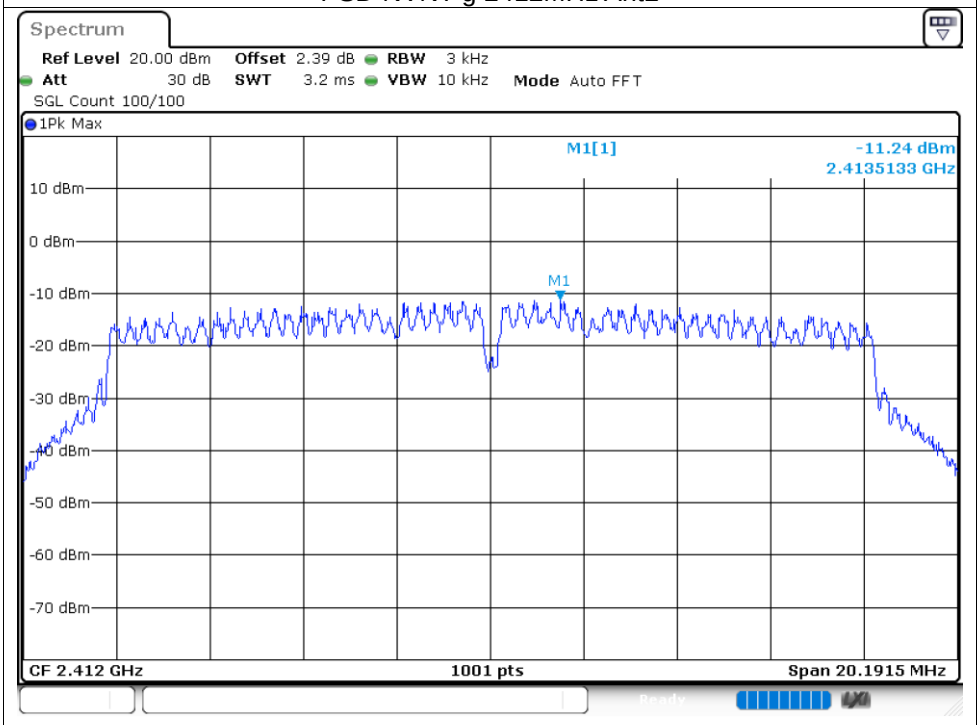
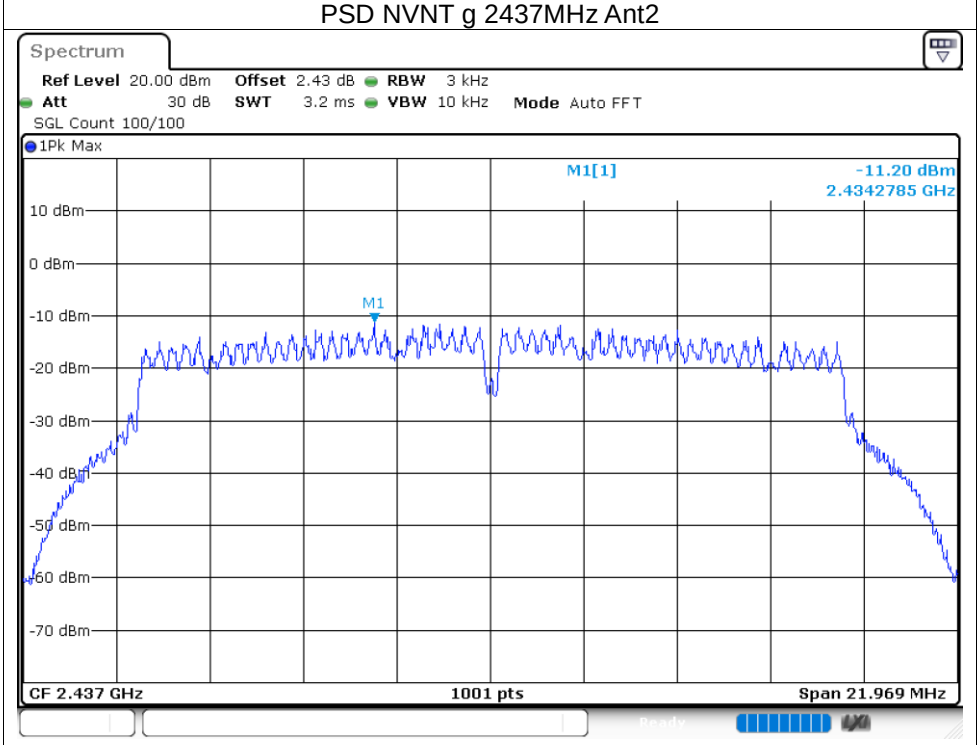


PSD NVNT g 2437MHz Ant2



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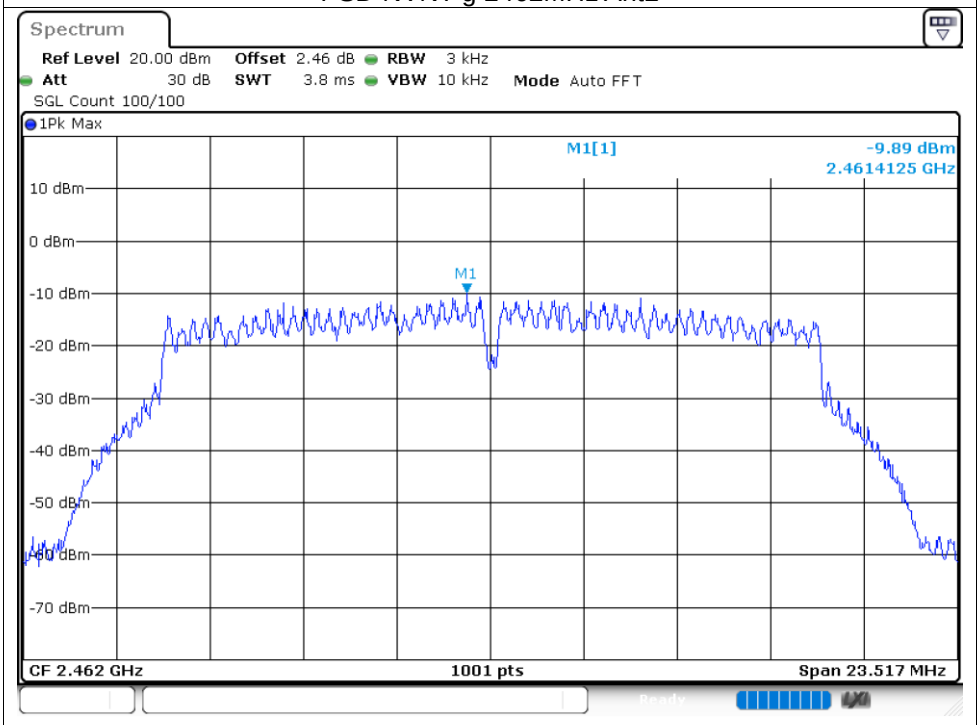
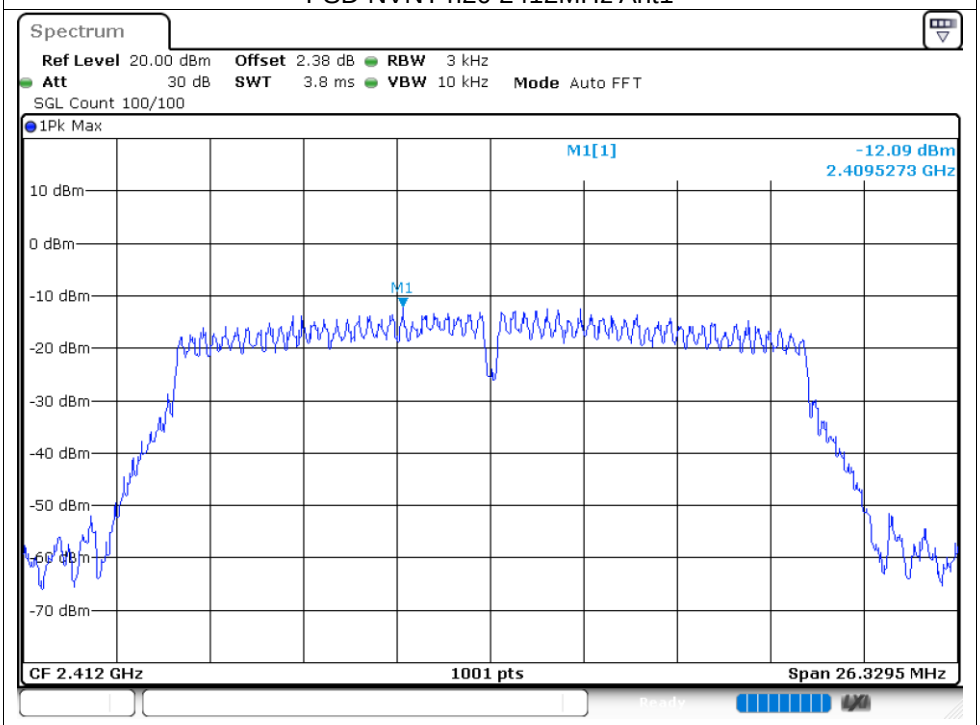
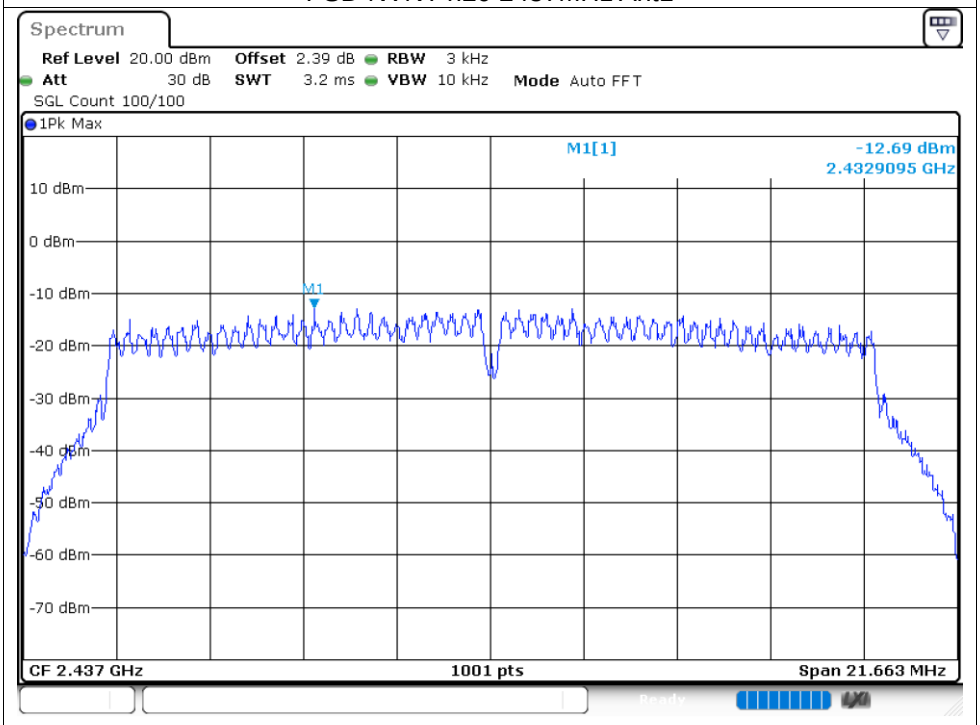


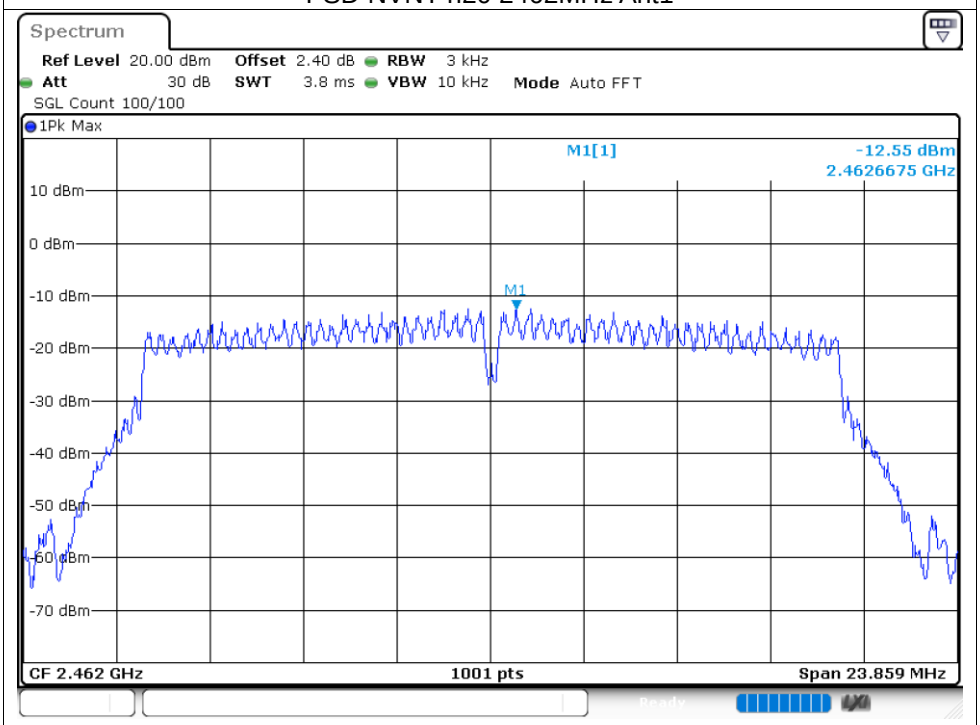
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



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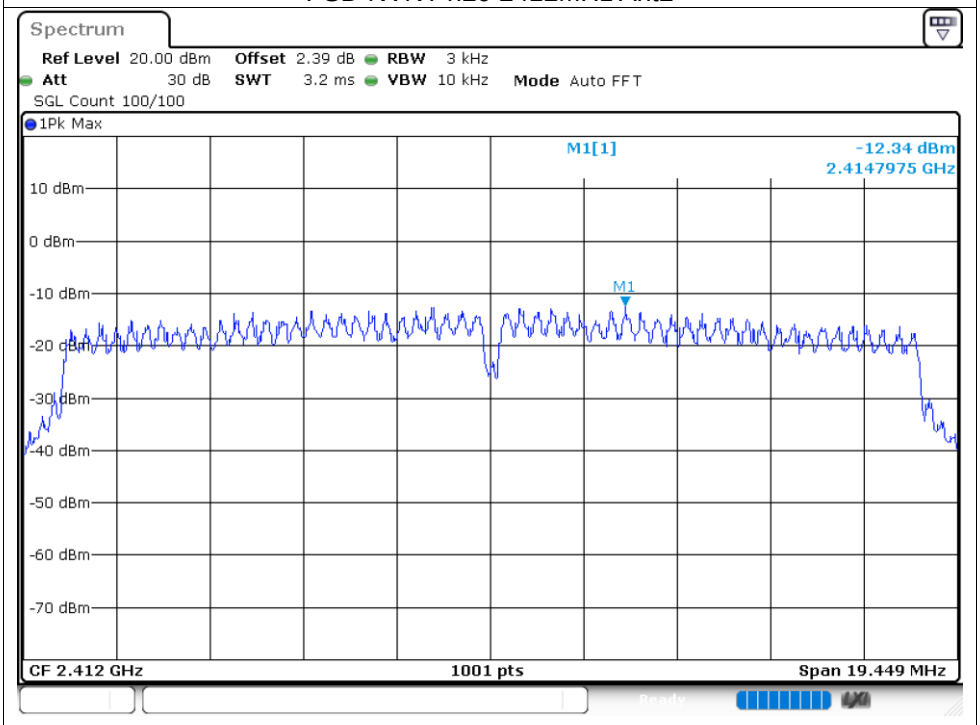

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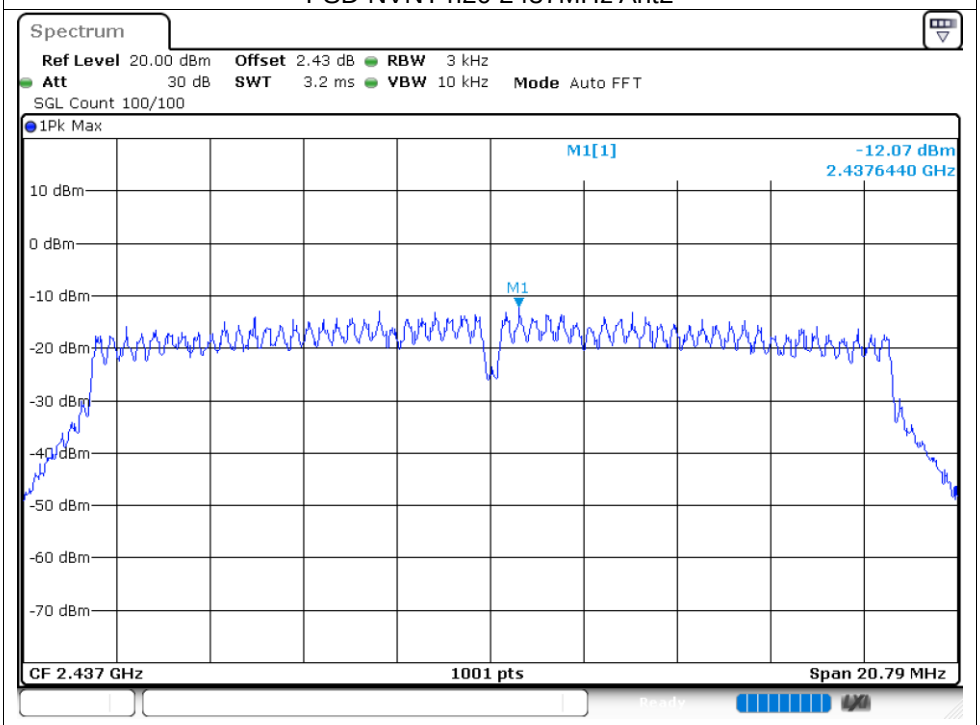
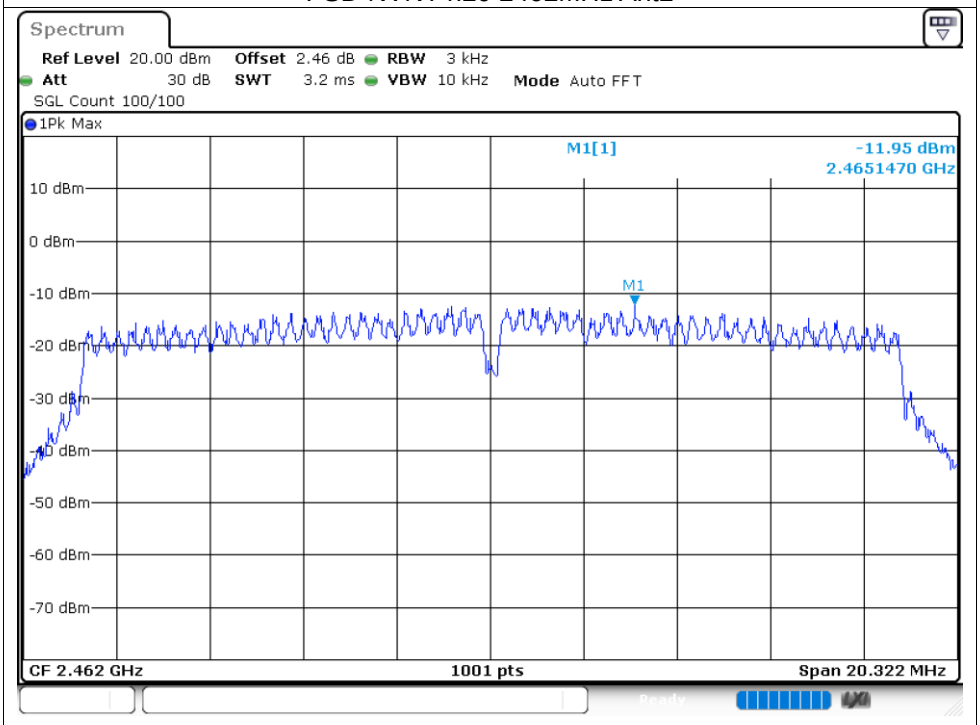
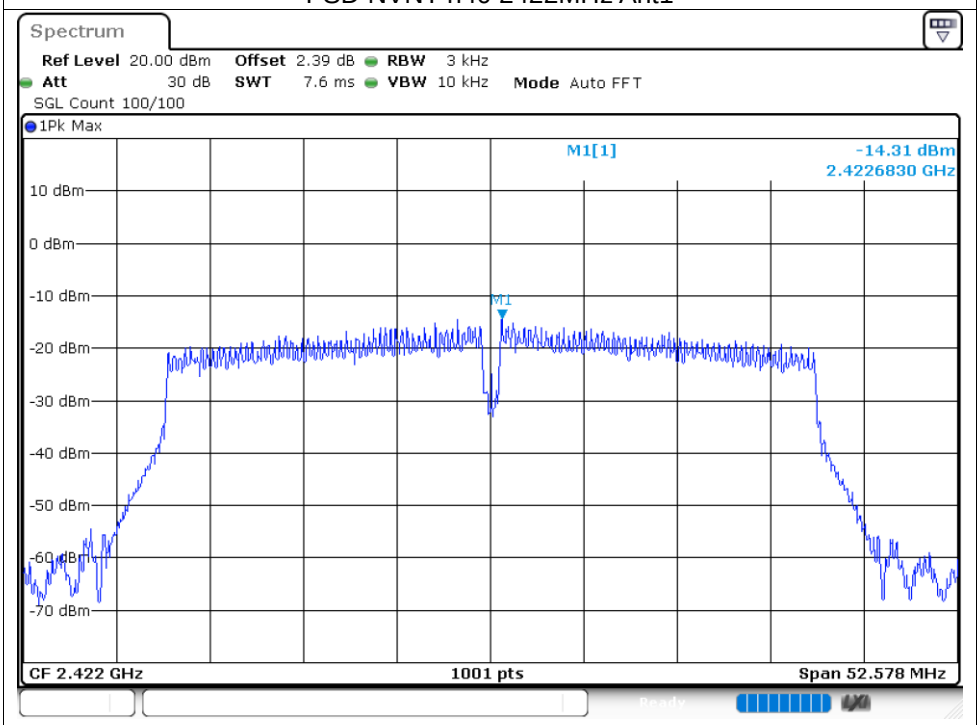


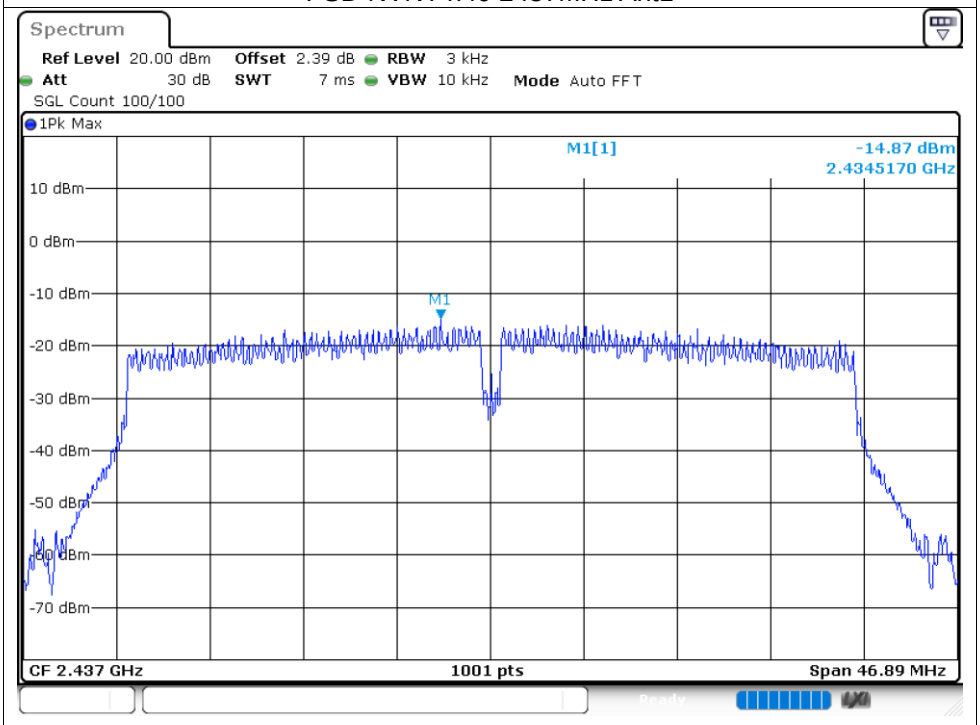
PSD NVNT n20 2462MHz Ant2



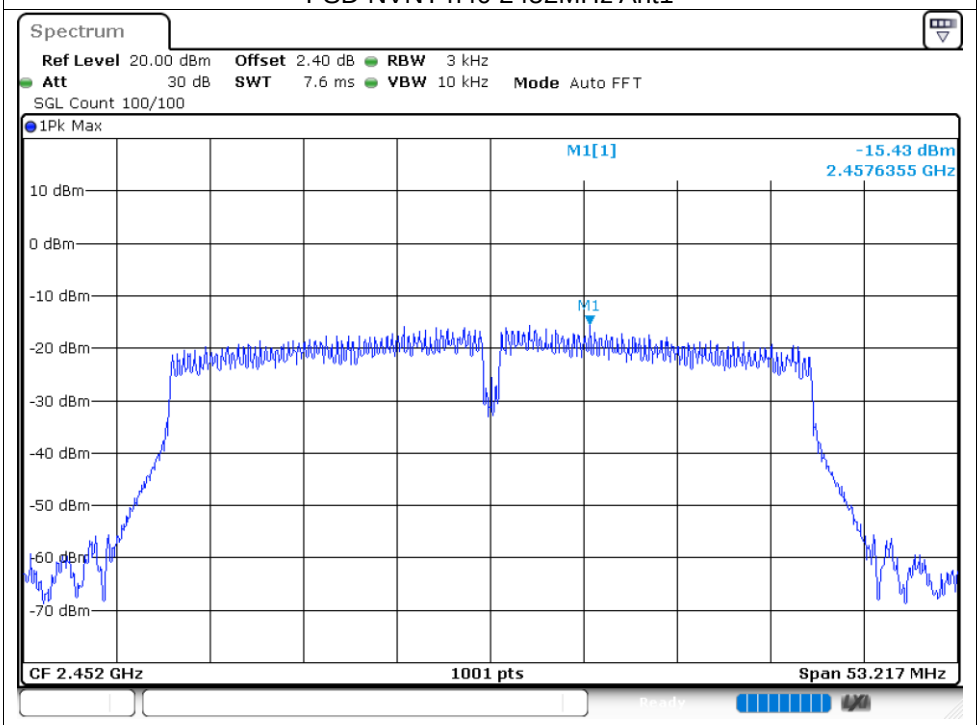
PSD NVNT n40 2422MHz Ant1



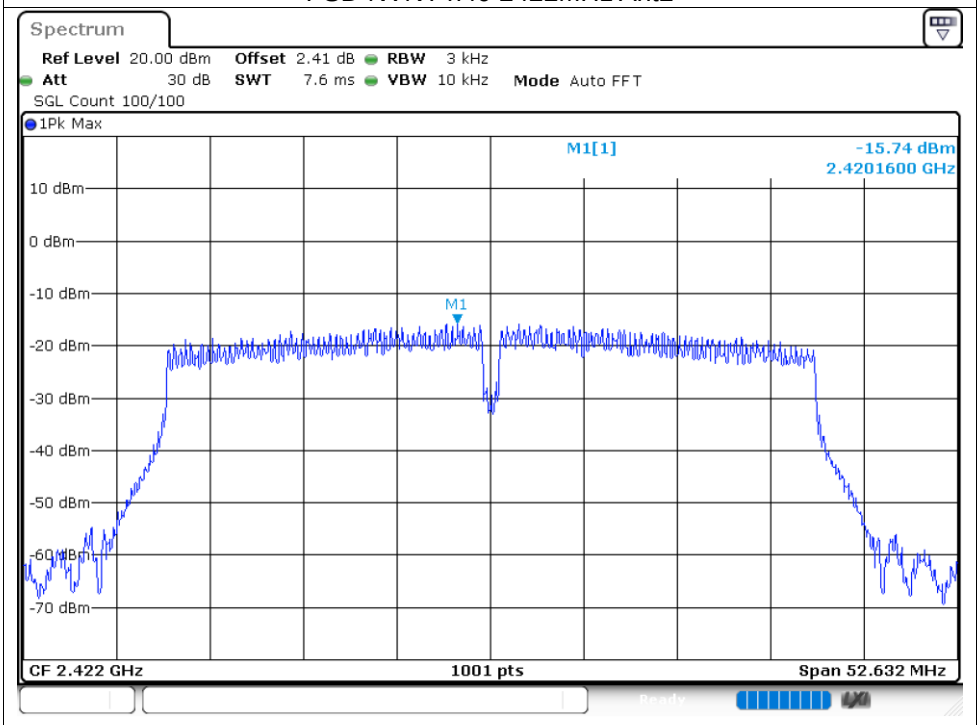
PSD NVNT n40 2437MHz Ant1



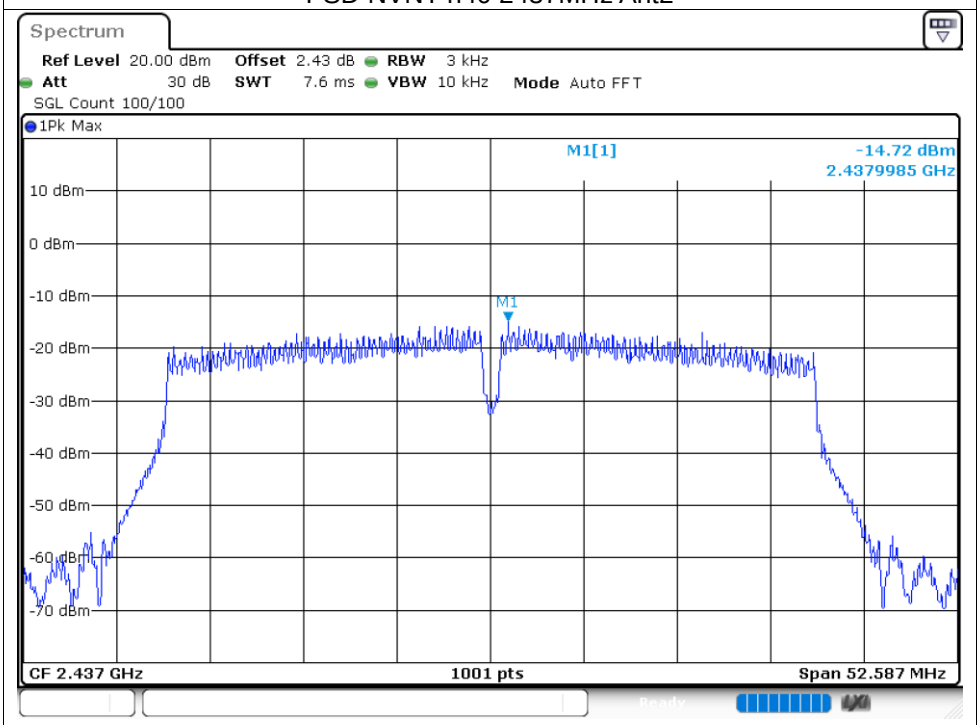
PSD NVNT n40 2452MHz Ant1



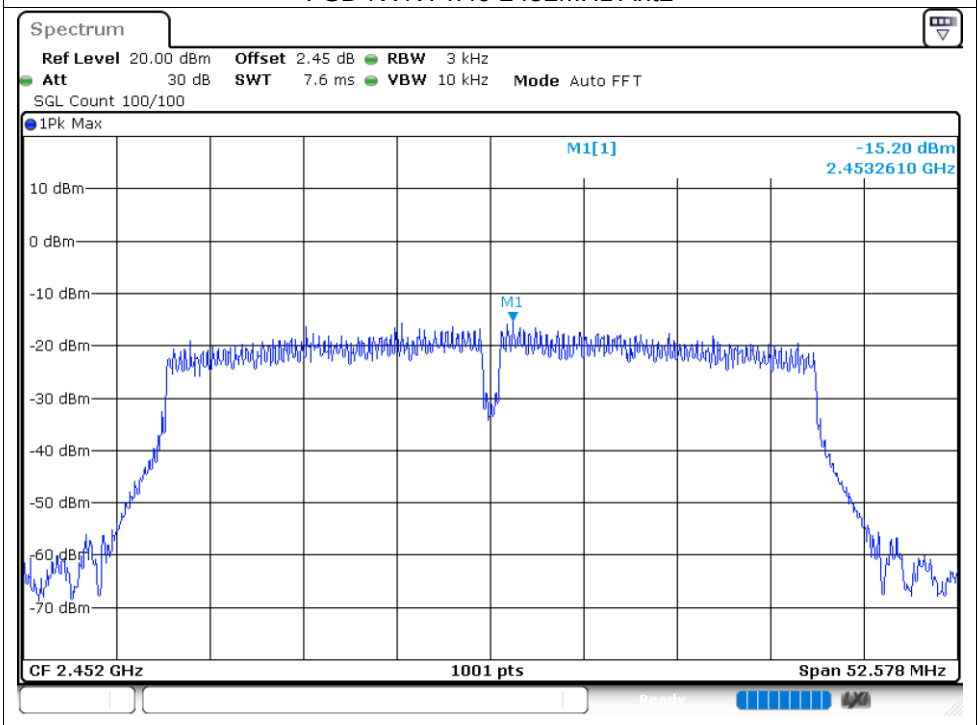
PSD NVNT n40 2422MHz Ant2



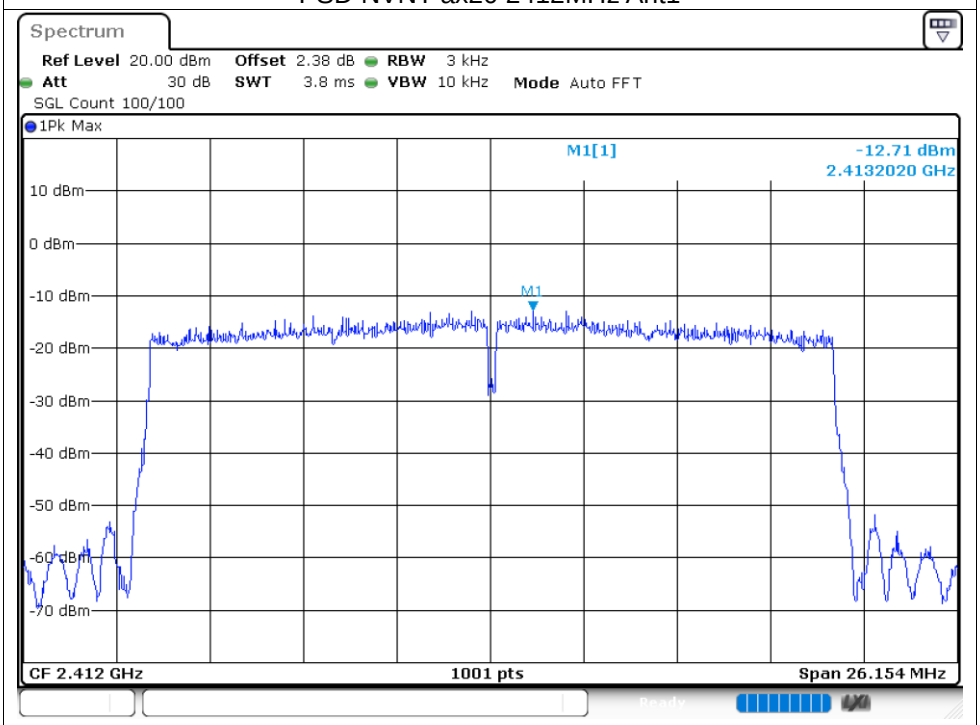
PSD NVNT n40 2437MHz Ant2



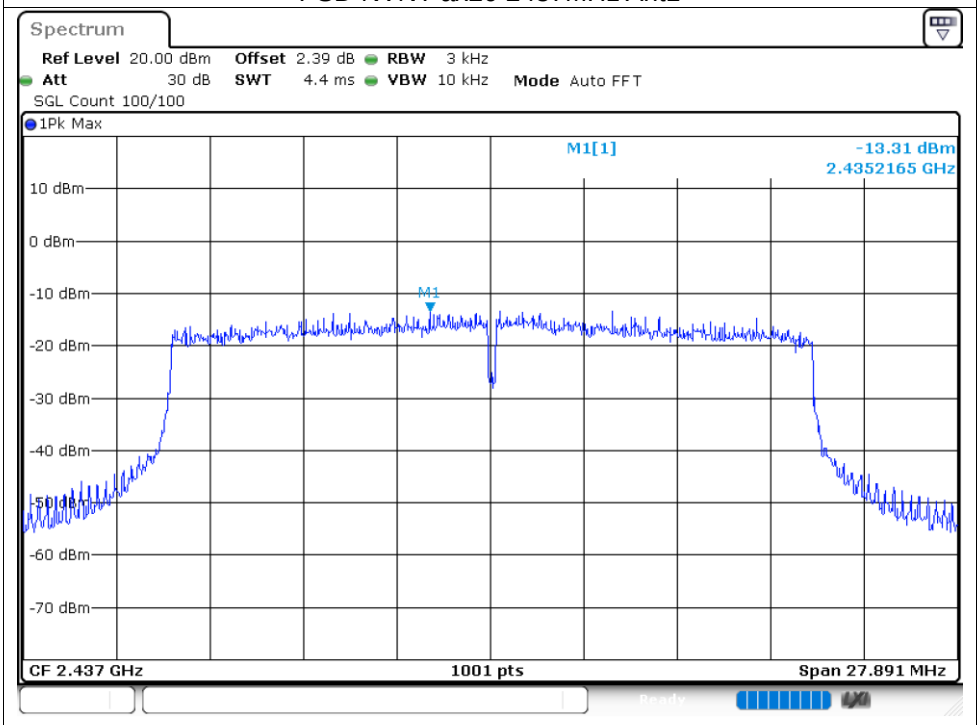
PSD NVNT n40 2452MHz Ant2



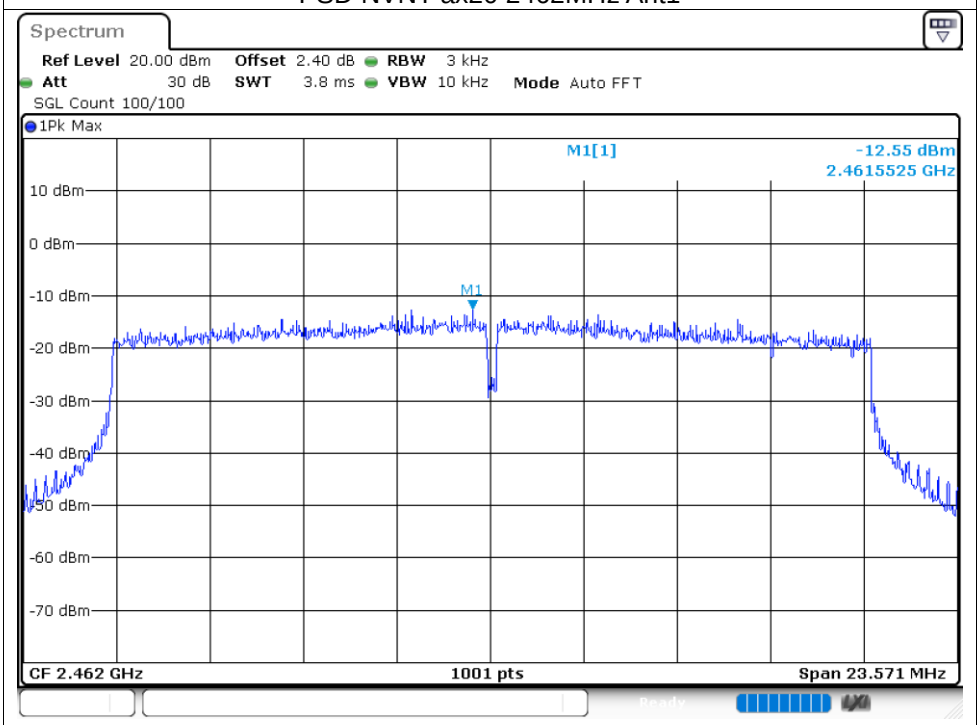
PSD NVNT ax20 2412MHz Ant1



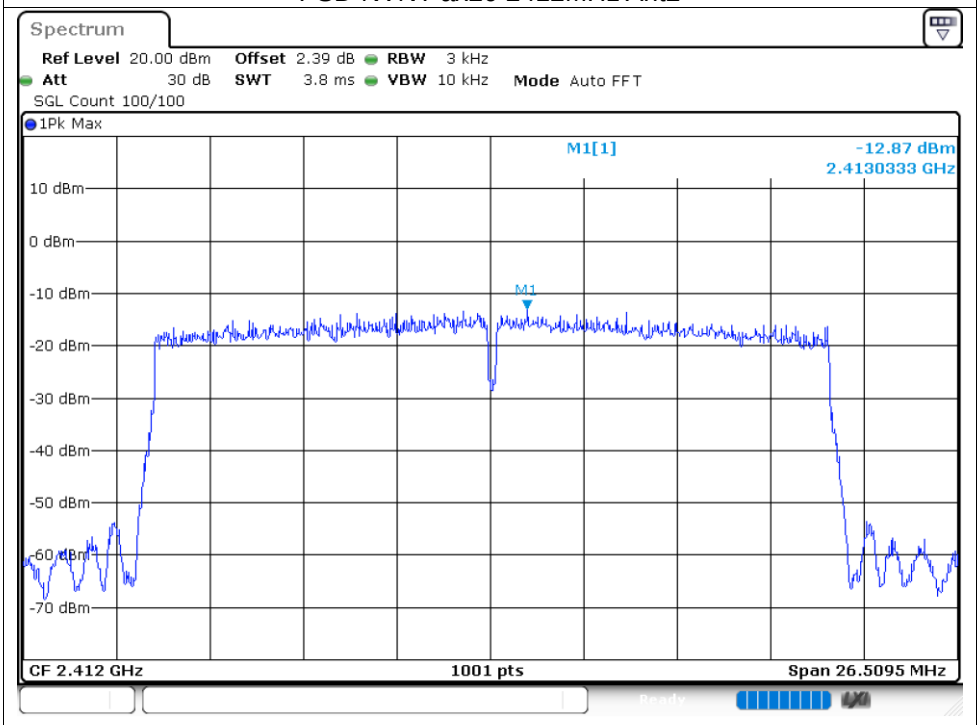
PSD NVNT ax20 2437MHz Ant1



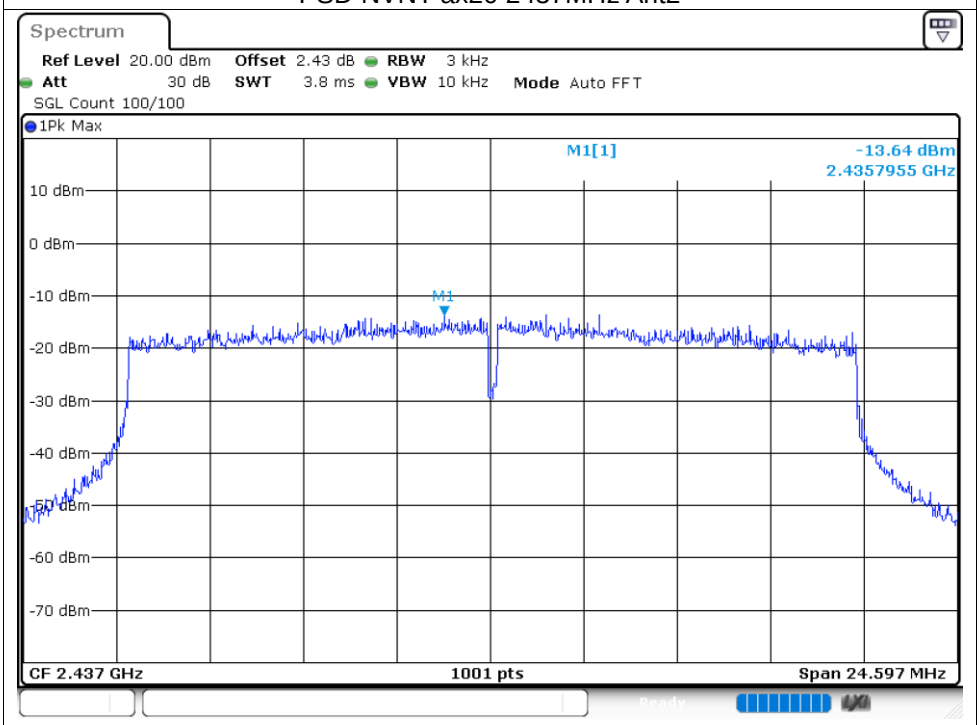
PSD NVNT ax20 2462MHz Ant1



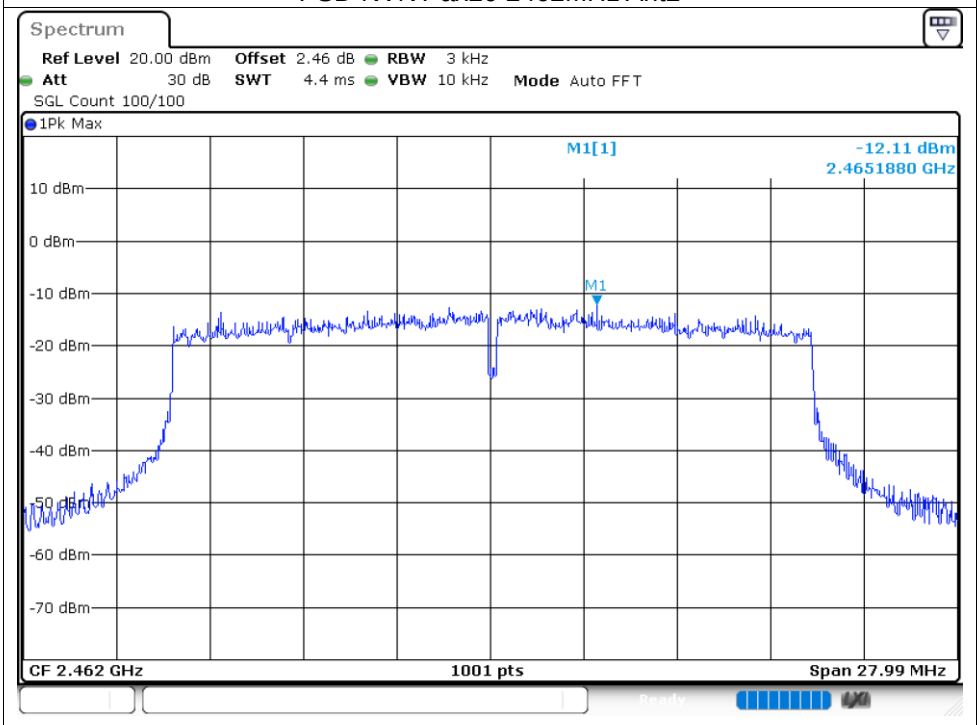
PSD NVNT ax20 2412MHz Ant2



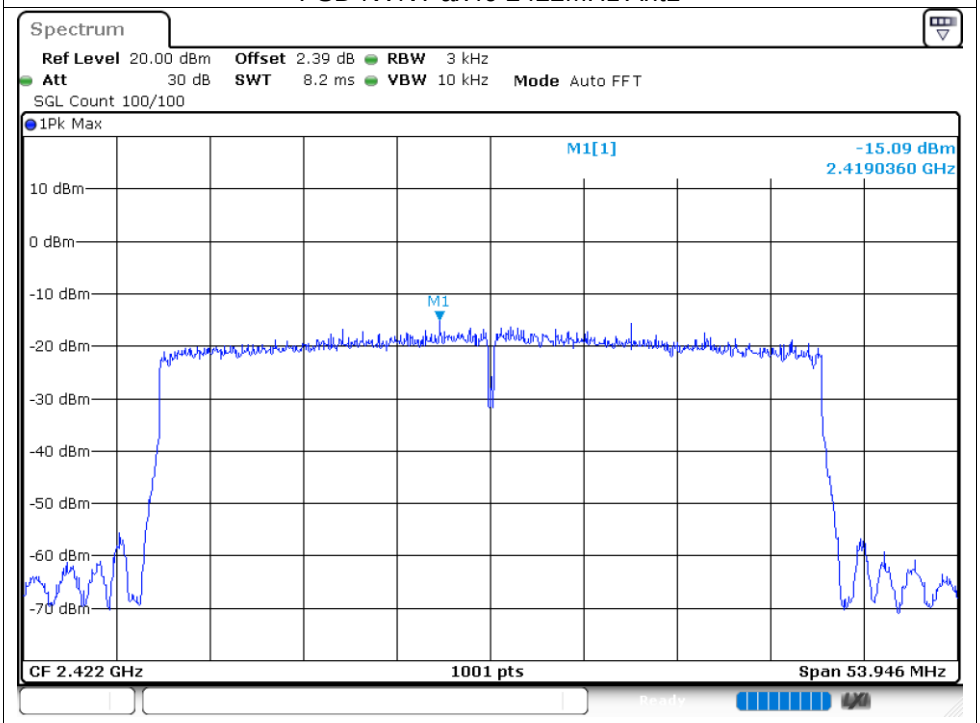
PSD NVNT ax20 2437MHz Ant2



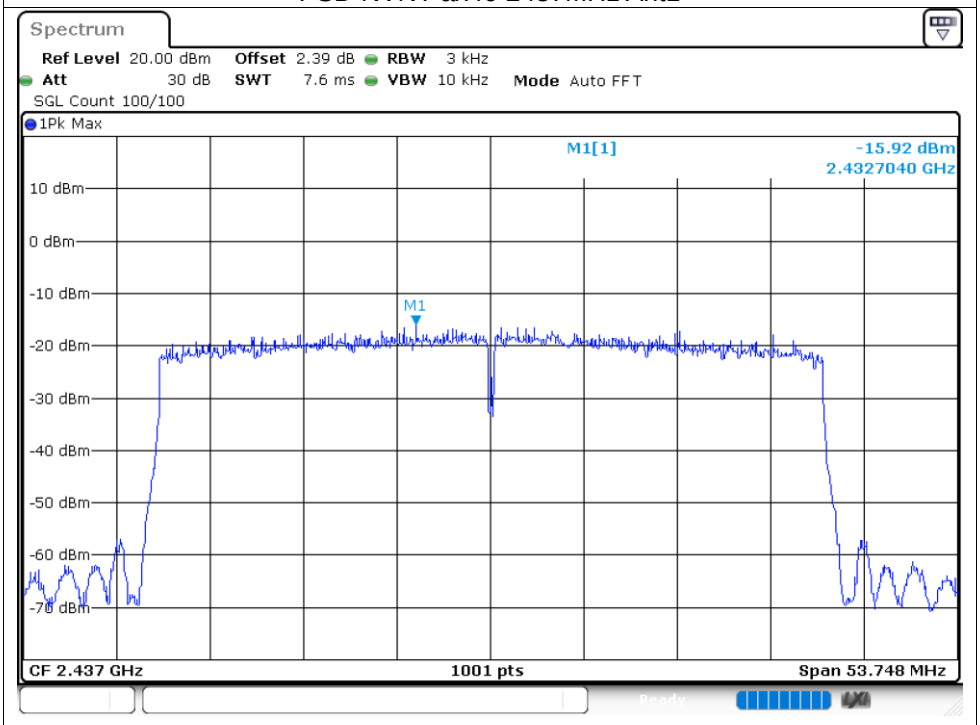
PSD NVNT ax20 2462MHz Ant2



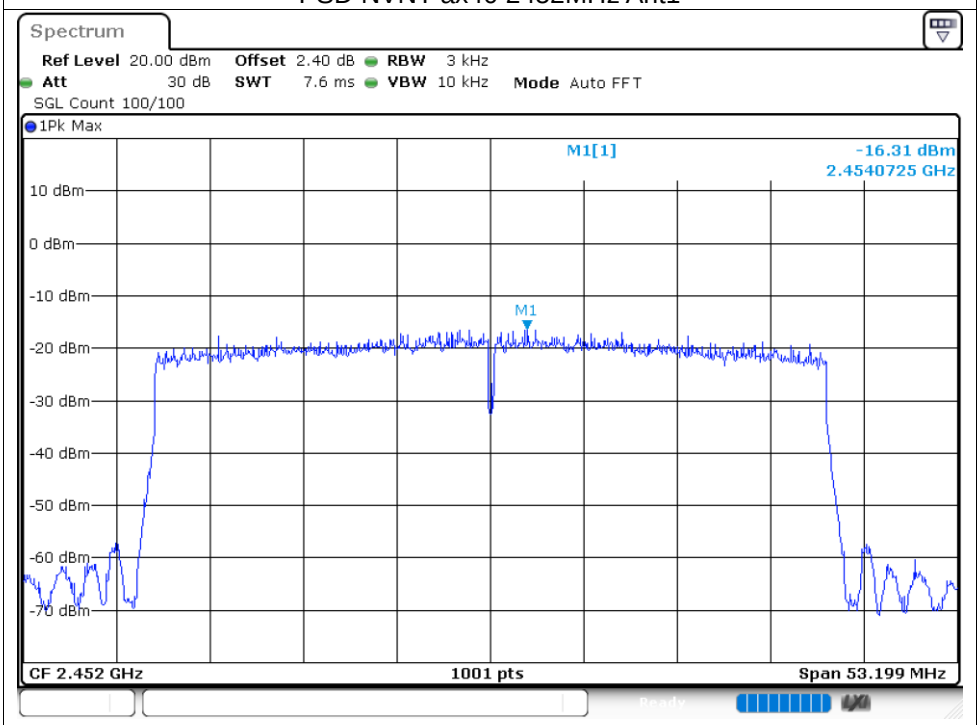
PSD NVNT ax40 2422MHz Ant1



PSD NVNT ax40 2437MHz Ant1



PSD NVNT ax40 2452MHz Ant1



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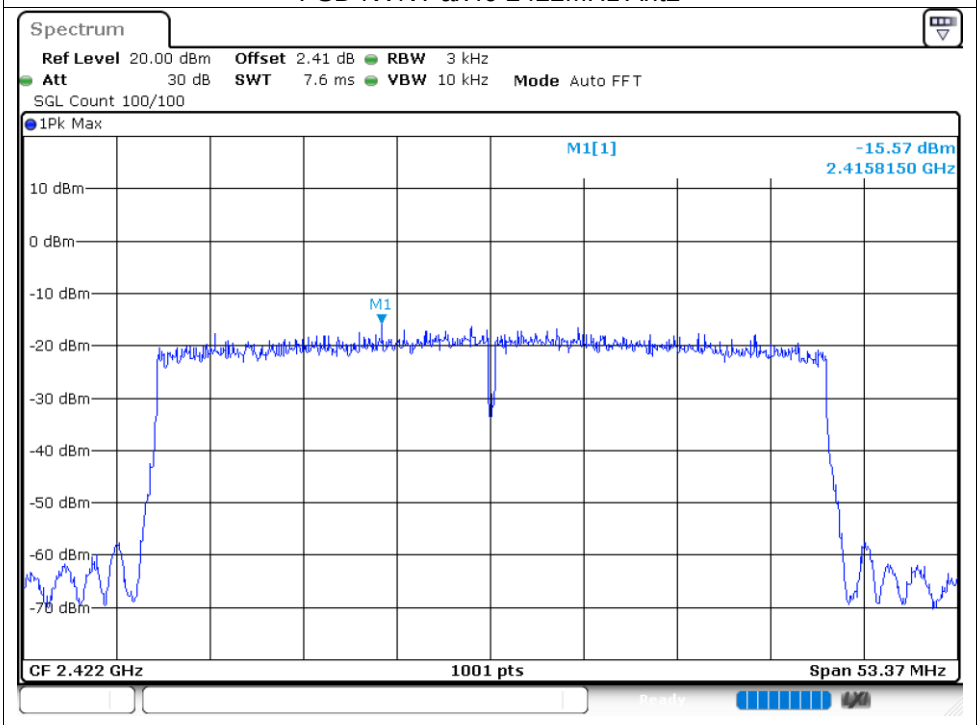
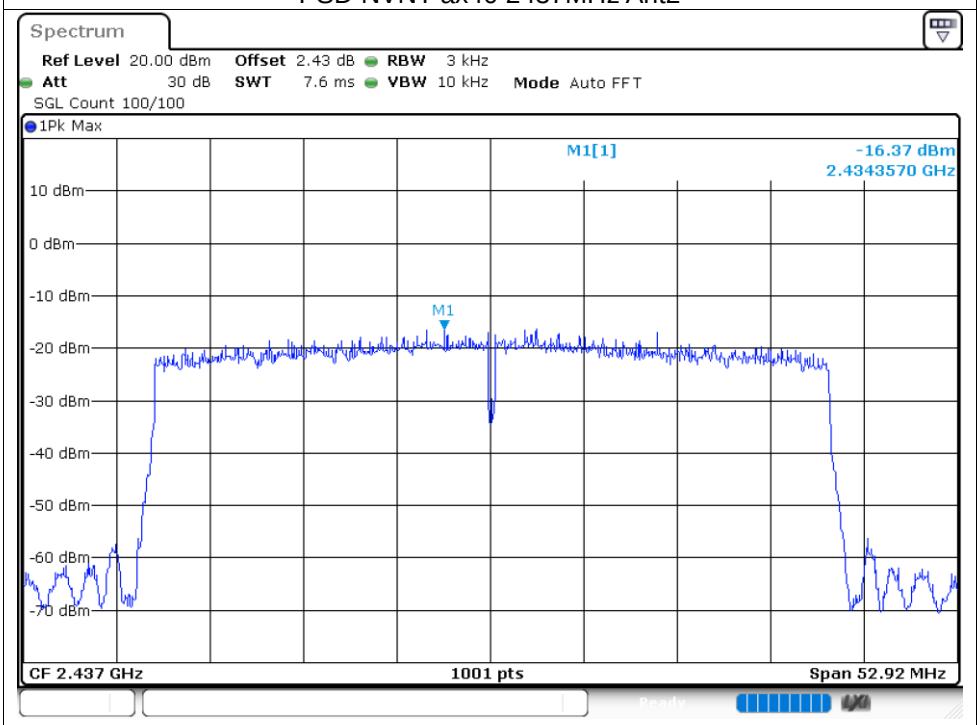
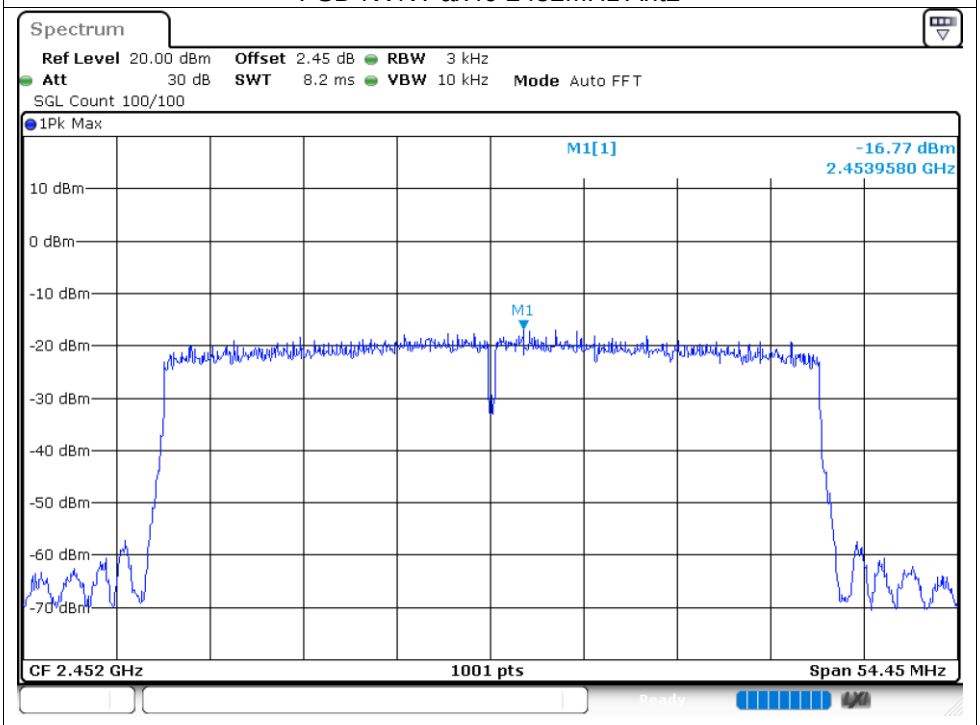


PSD NVNT ax40 2437MHz Ant2



PSD NVNT ax40 2452MHz Ant2



8.5 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.6	-20	Pass
NVNT	b	2462	Ant1	-60.04	-20	Pass
NVNT	b	2412	Ant2	-61.67	-20	Pass
NVNT	b	2462	Ant2	-61.49	-20	Pass
NVNT	g	2412	Ant1	-53.98	-20	Pass
NVNT	g	2462	Ant1	-53.35	-20	Pass
NVNT	g	2412	Ant2	-53.12	-20	Pass
NVNT	g	2462	Ant2	-52.81	-20	Pass
NVNT	n20	2412	Ant1	-52.99	-20	Pass
NVNT	n20	2462	Ant1	-53.31	-20	Pass
NVNT	n20	2412	Ant2	-53.93	-20	Pass
NVNT	n20	2462	Ant2	-55.69	-20	Pass
NVNT	n40	2422	Ant1	-48.99	-20	Pass
NVNT	n40	2452	Ant1	-49.11	-20	Pass
NVNT	n40	2422	Ant2	-49.3	-20	Pass
NVNT	n40	2452	Ant2	-49.25	-20	Pass
NVNT	ax20	2412	Ant1	-55.45	-20	Pass
NVNT	ax20	2462	Ant1	-55.02	-20	Pass
NVNT	ax20	2412	Ant2	-54.61	-20	Pass
NVNT	ax20	2462	Ant2	-55.8	-20	Pass
NVNT	ax40	2422	Ant1	-50.65	-20	Pass
NVNT	ax40	2452	Ant1	-51.3	-20	Pass
NVNT	ax40	2422	Ant2	-50.91	-20	Pass
NVNT	ax40	2452	Ant2	-50.82	-20	Pass