Appendix C

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP100 Pro

Environmental Conditions

Temperature:	25.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung

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1 Duty Cycle

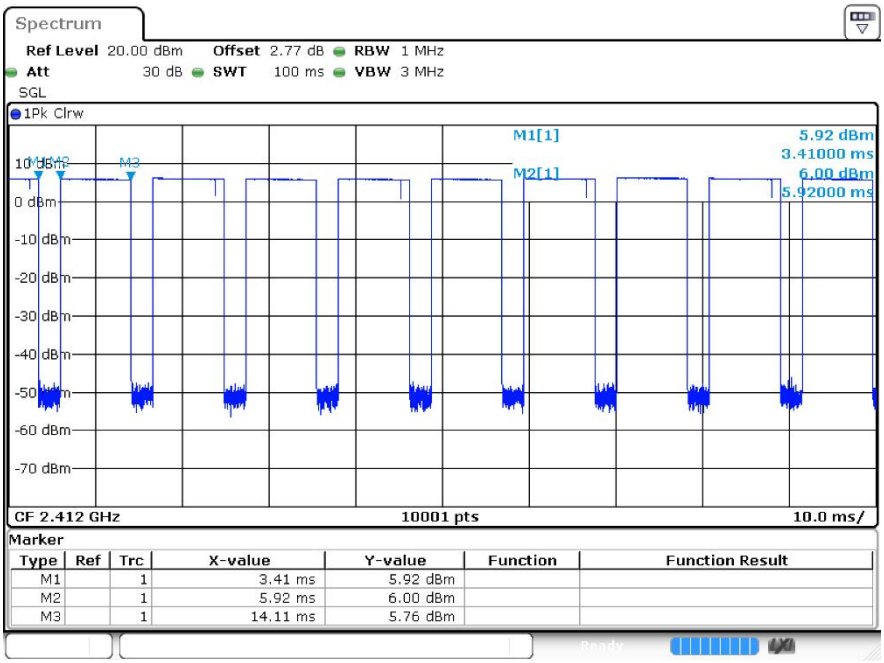
1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	77.21	1.12	0.12
b	2437	Ant1	75.65	1.21	0.12
b	2462	Ant1	77.59	1.1	0.12
g	2412	Ant1	77.21	1.12	0.12
g	2437	Ant1	75.65	1.21	0.12
g	2462	Ant1	77.59	1.1	0.12
n20	2412	Ant1	67.21	1.73	0.2
n20	2437	Ant1	66.76	1.75	0.2
n20	2462	Ant1	65.58	1.83	0.2
n40	2422	Ant1	60	2.22	0.26
n40	2437	Ant1	60.01	2.22	0.26
n40	2452	Ant1	61.38	2.12	0.26
ax20	2412	Ant1	63.27	1.99	0.22
ax20	2437	Ant1	62.65	2.03	0.22
ax20	2462	Ant1	62.96	2.01	0.23
ax40	2422	Ant1	58.9	2.3	0.28
ax40	2437	Ant1	58.07	2.36	0.28
ax40	2452	Ant1	58.08	2.36	0.28
b	2412	Ant2	75.57	1.22	0.12
b	2437	Ant2	75.74	1.21	0.12
b	2462	Ant2	76.29	1.18	0.12
g	2412	Ant2	75.57	1.22	0.12
g	2437	Ant2	75.74	1.21	0.12
g	2462	Ant2	76.29	1.18	0.12
n20	2412	Ant2	65.1	1.86	0.2
n20	2437	Ant2	65.27	1.85	0.2
n20	2462	Ant2	66.18	1.79	0.2
n40	2422	Ant2	61.25	2.13	0.26
n40	2437	Ant2	61.94	2.08	0.26
n40	2452	Ant2	61.12	2.14	0.26
ax20	2412	Ant2	62.86	2.02	0.23
ax20	2437	Ant2	62.88	2.01	0.22
ax20	2462	Ant2	65.14	1.86	0.22
ax40	2422	Ant2	58.81	2.31	0.28
ax40	2437	Ant2	58.92	2.3	0.28
ax40	2452	Ant2	60.12	2.21	0.28

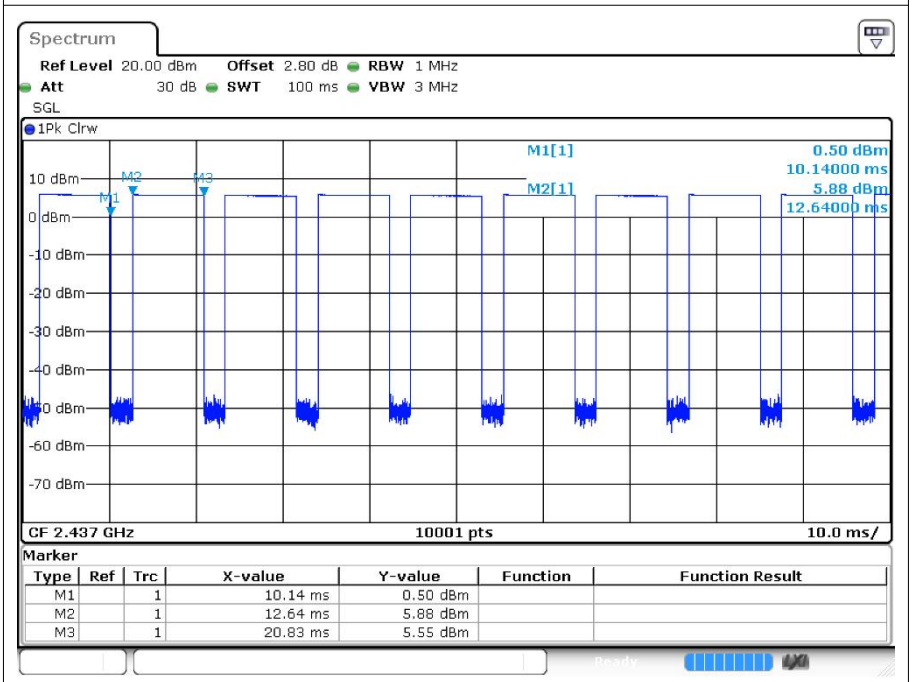
1.2 Test Graphs

Test Graphs

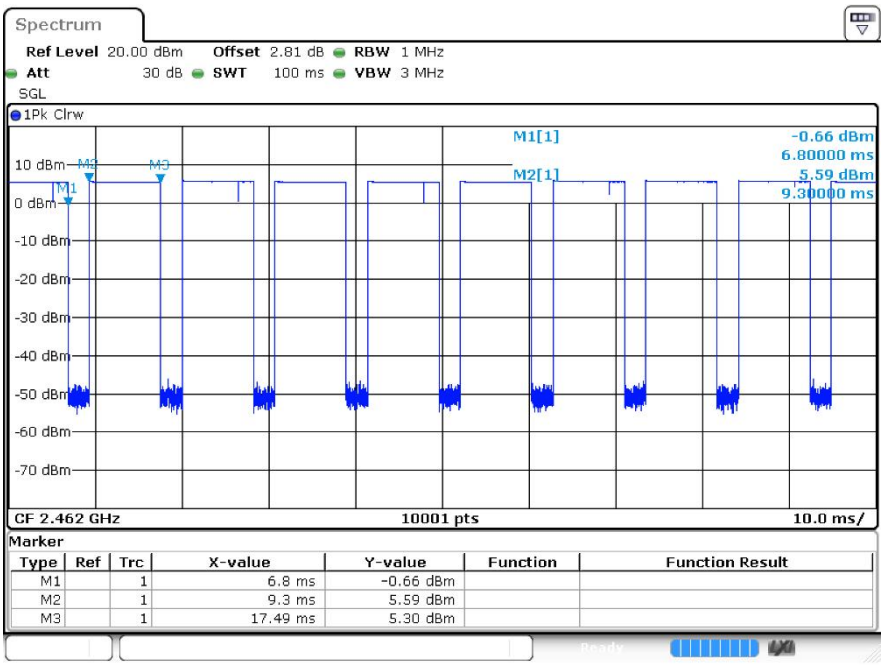
Duty Cycleb 2412MHz Ant1



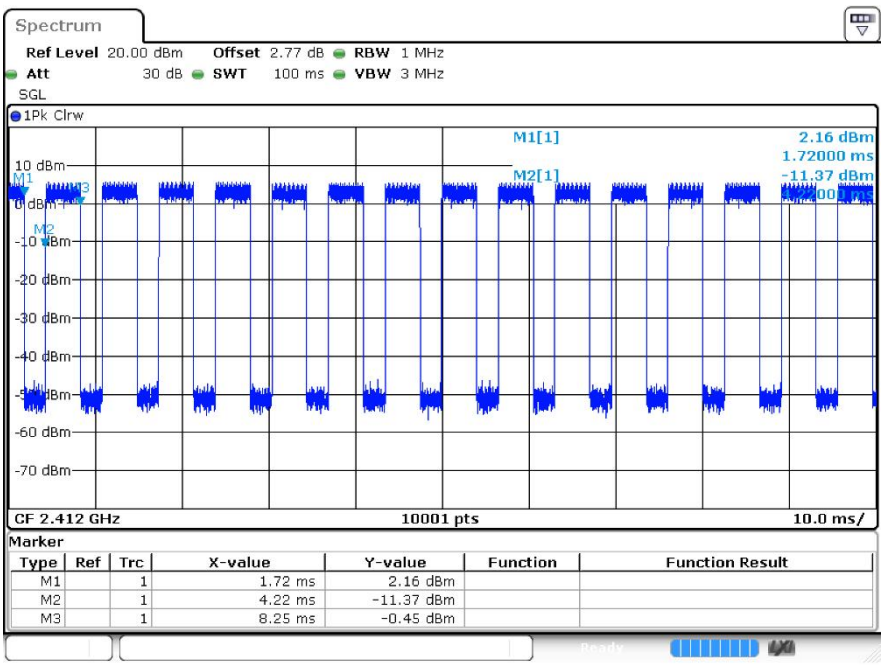
Duty Cycleb 2437MHz Ant1



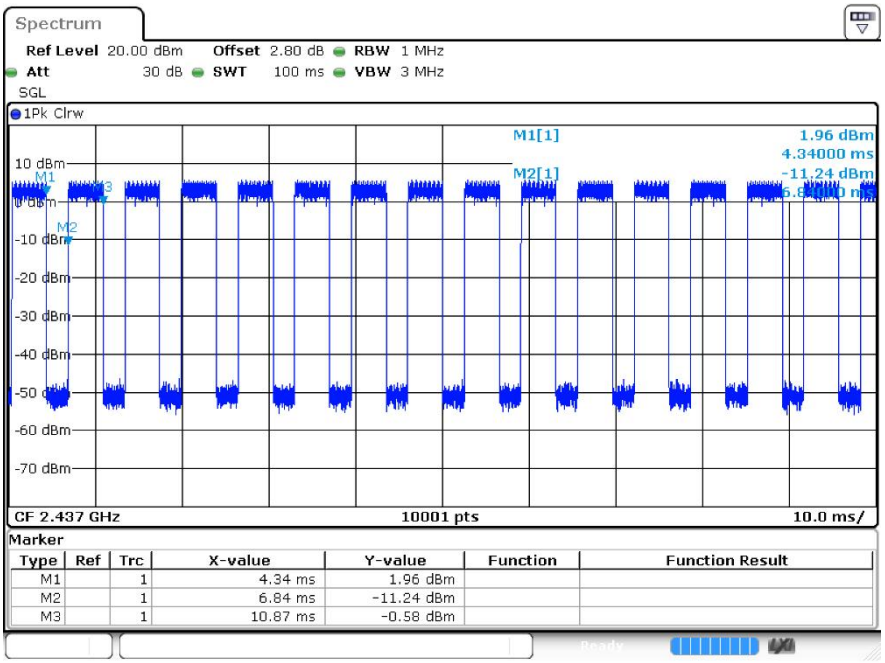
Duty Cycleb 2462MHz Ant1



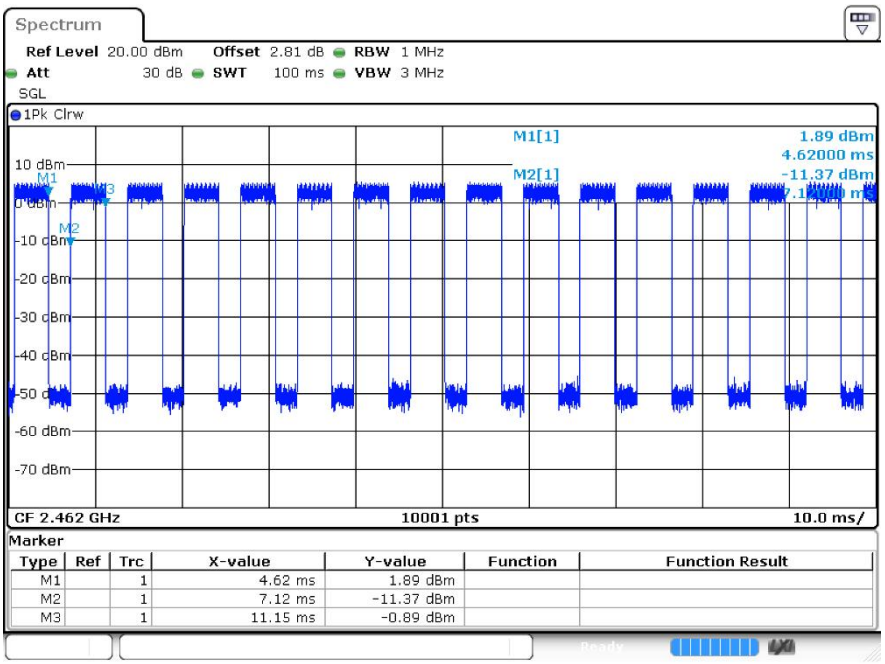
Duty Cycleg 2412MHz Ant1



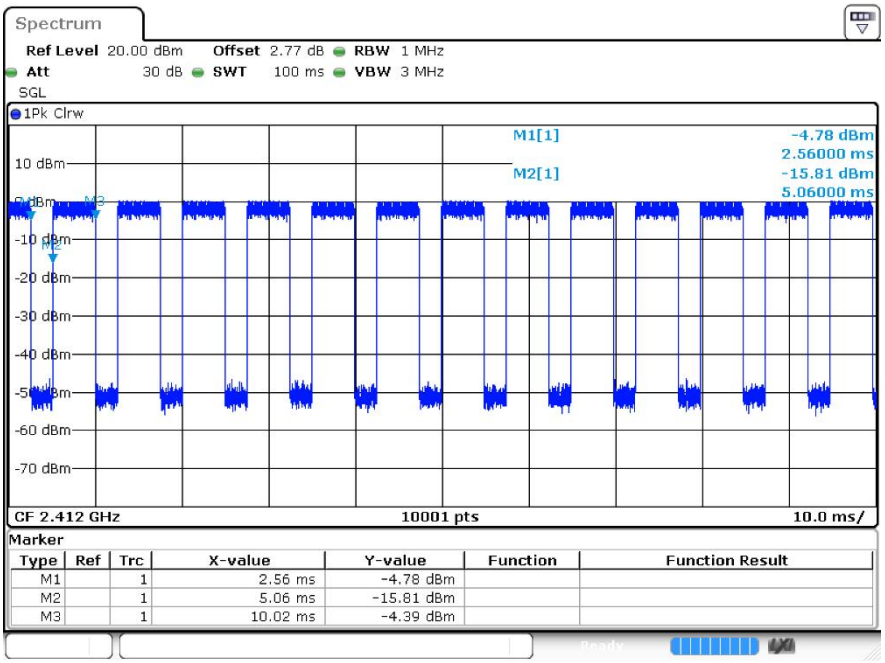
Duty Cycleg 2437MHz Ant1



Duty Cycleg 2462MHz Ant1



Duty Cyclen20 2412MHz Ant1



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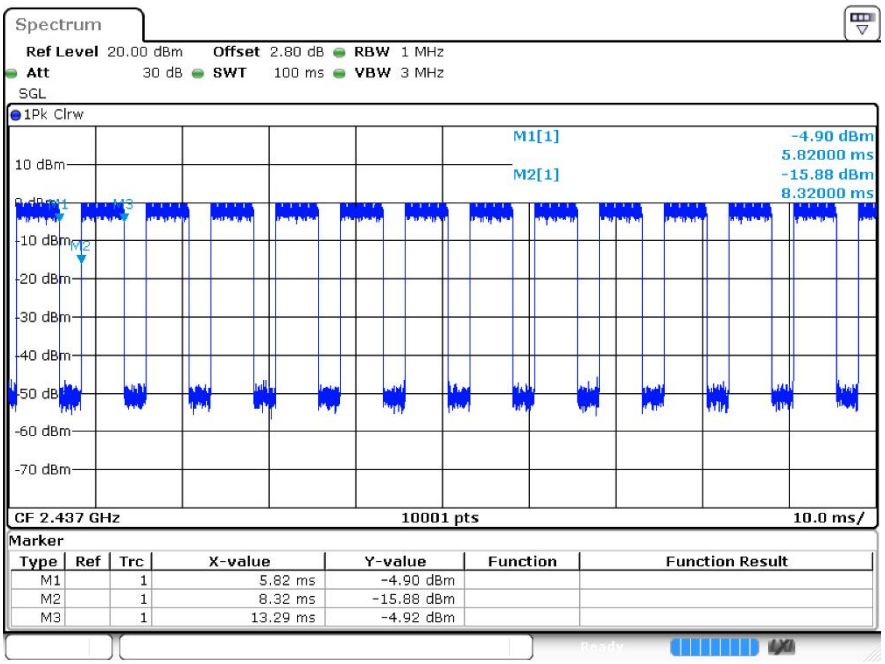
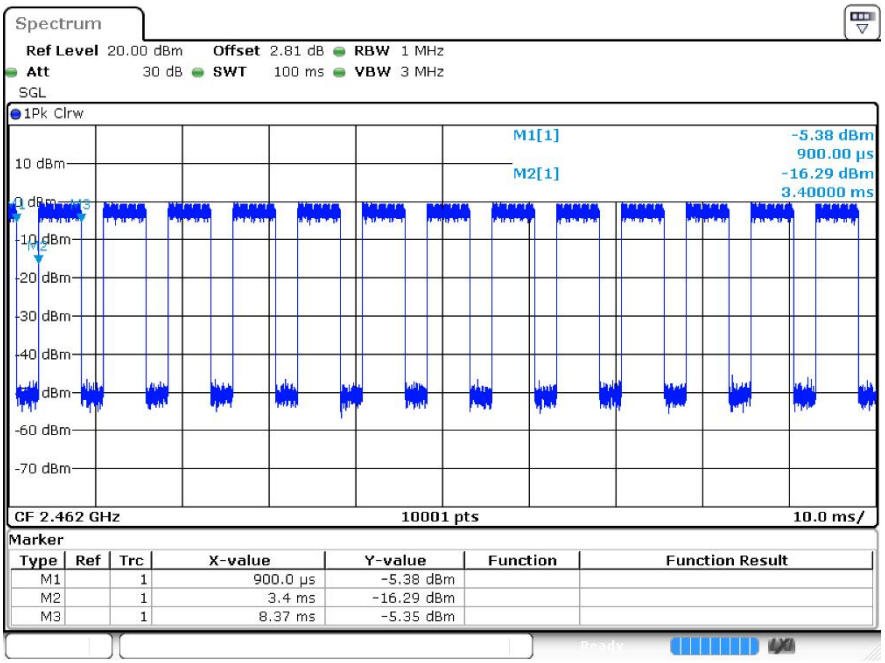
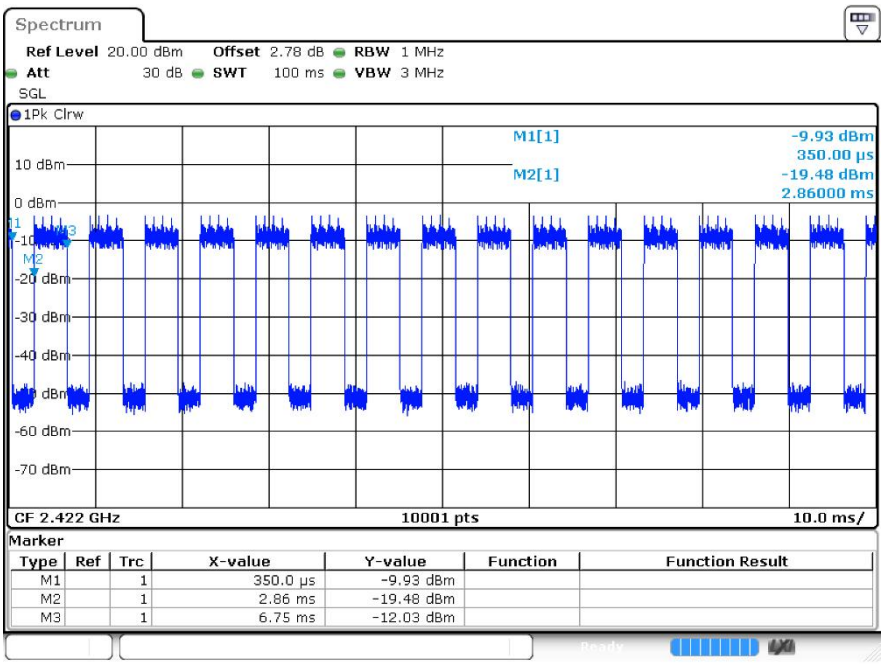


Duty Cyclen20 2462MHz Ant1



Duty Cyclen40 2422MHz Ant1



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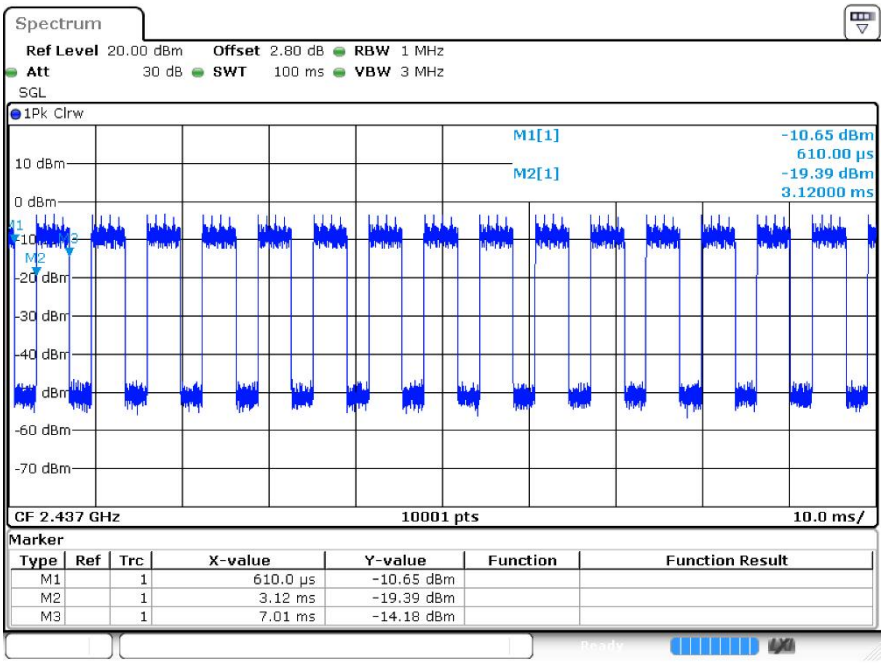
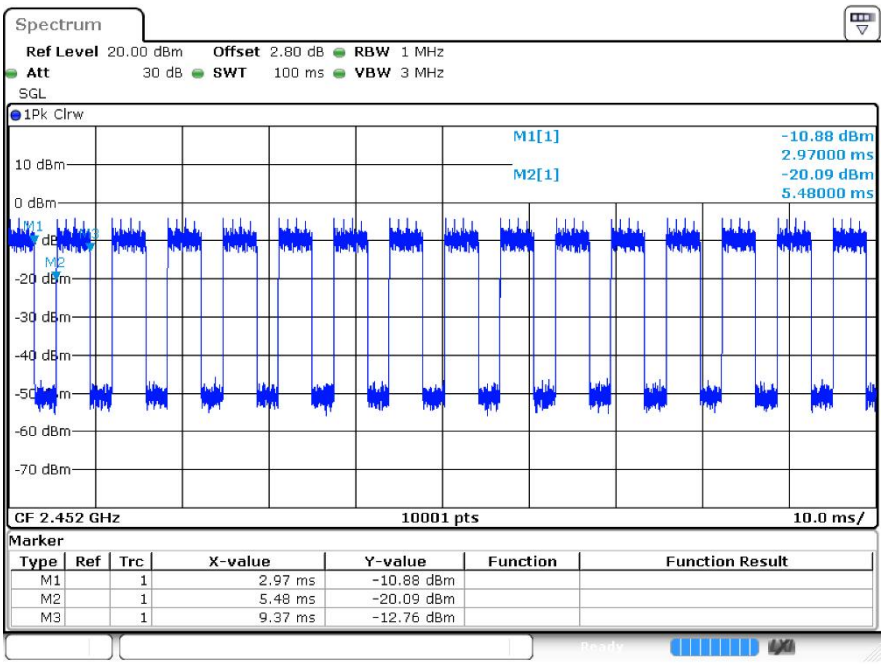
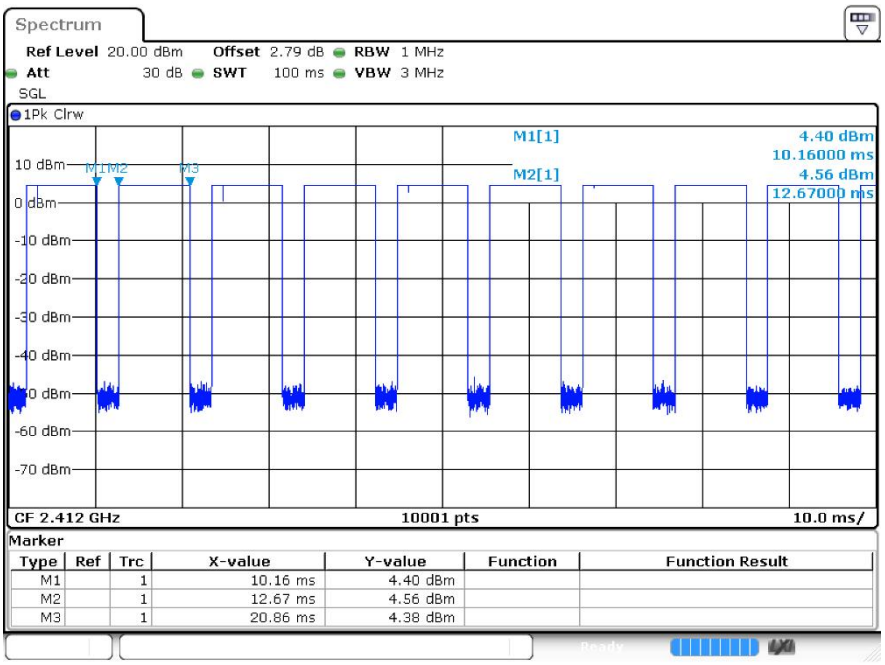


Duty Cyclen40 2452MHz Ant1

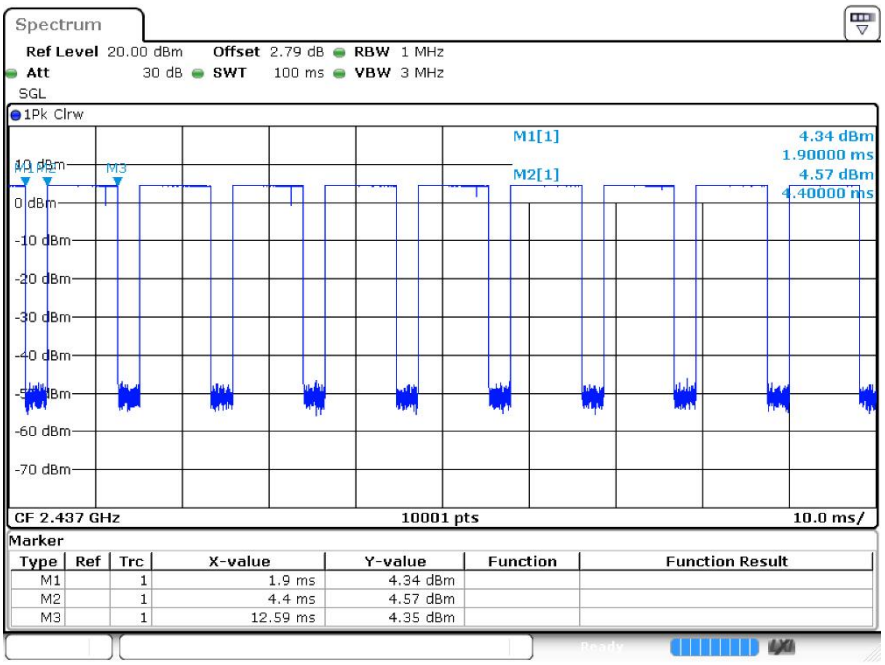


Test Graphs

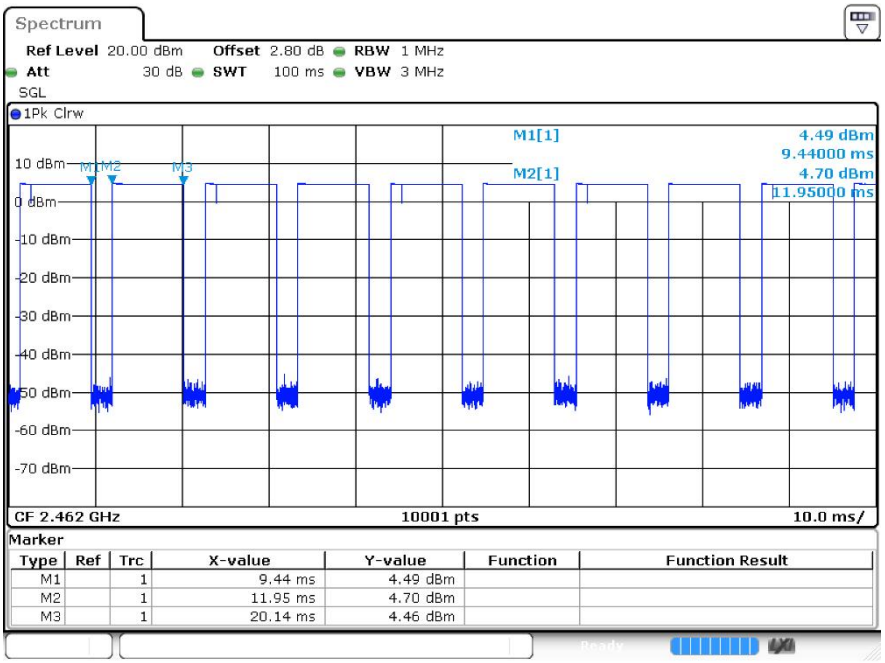
Duty Cycleb 2412MHz Ant2



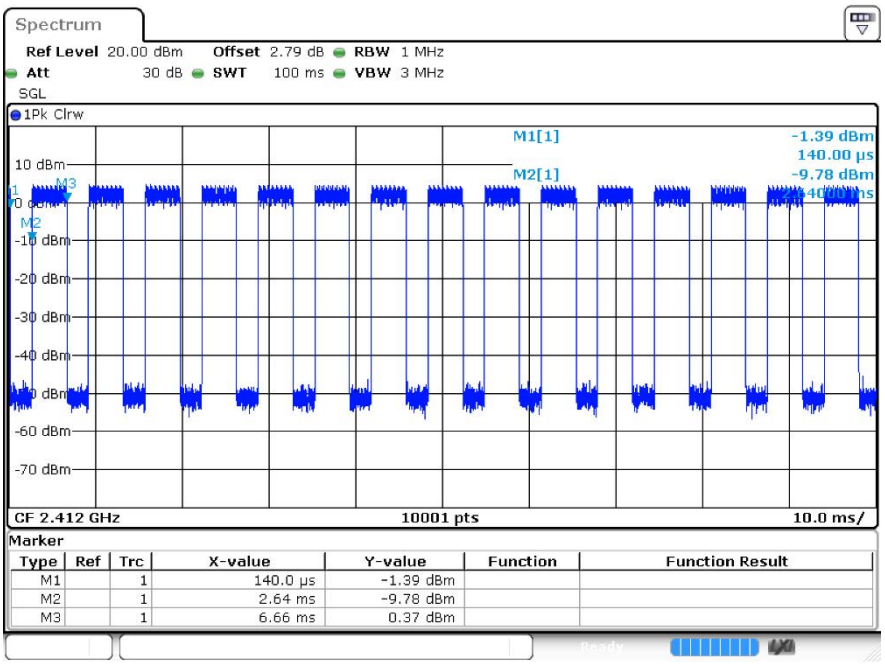
Duty Cycleb 2437MHz Ant2



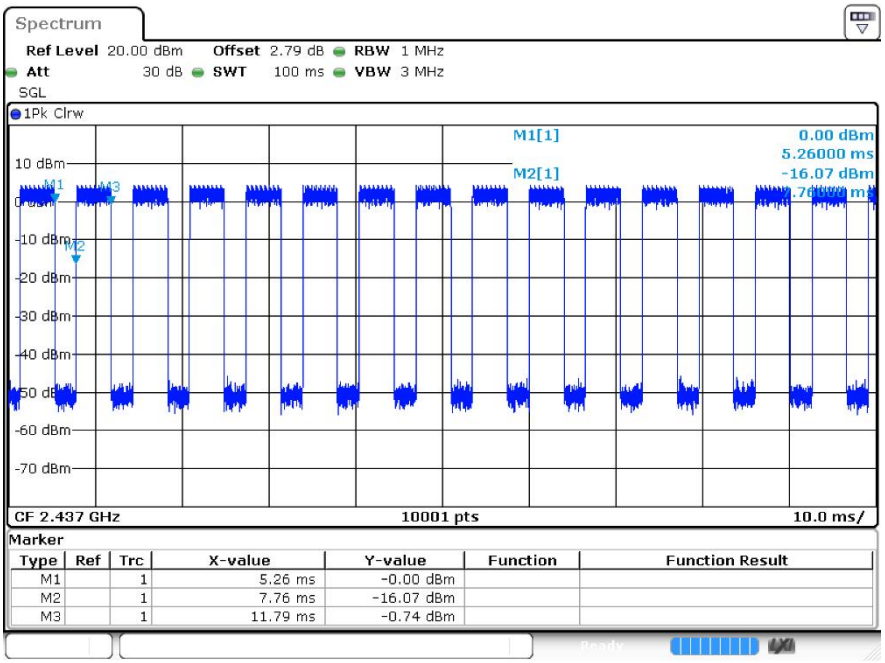
Duty Cycleb 2462MHz Ant2



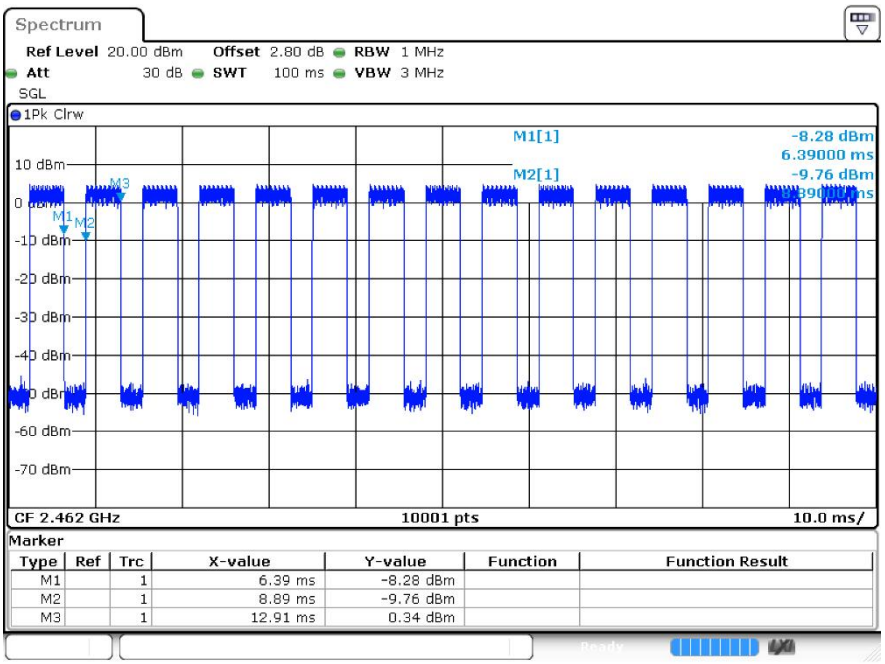
Duty Cycleg 2412MHz Ant2



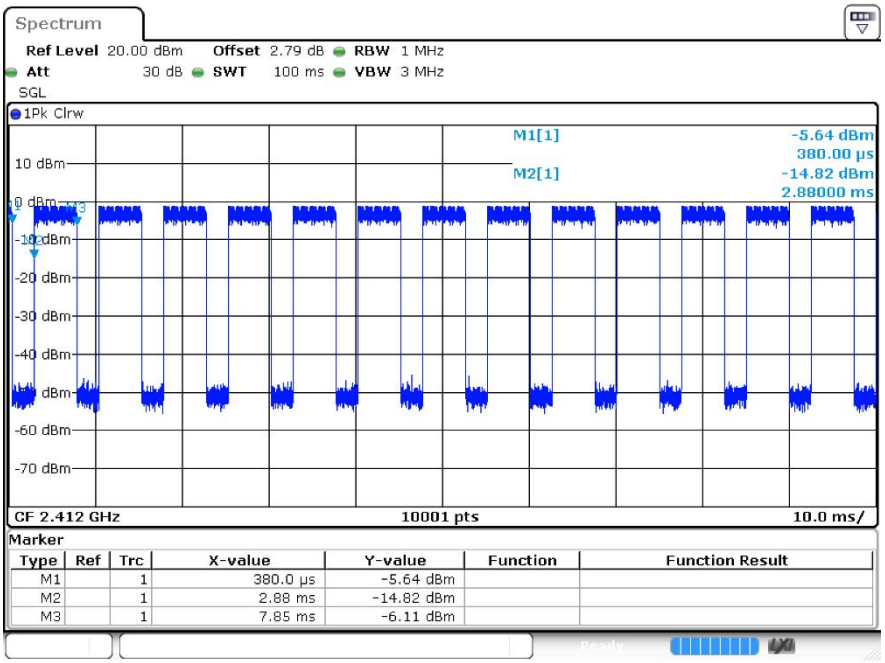
Duty Cycleg 2437MHz Ant2



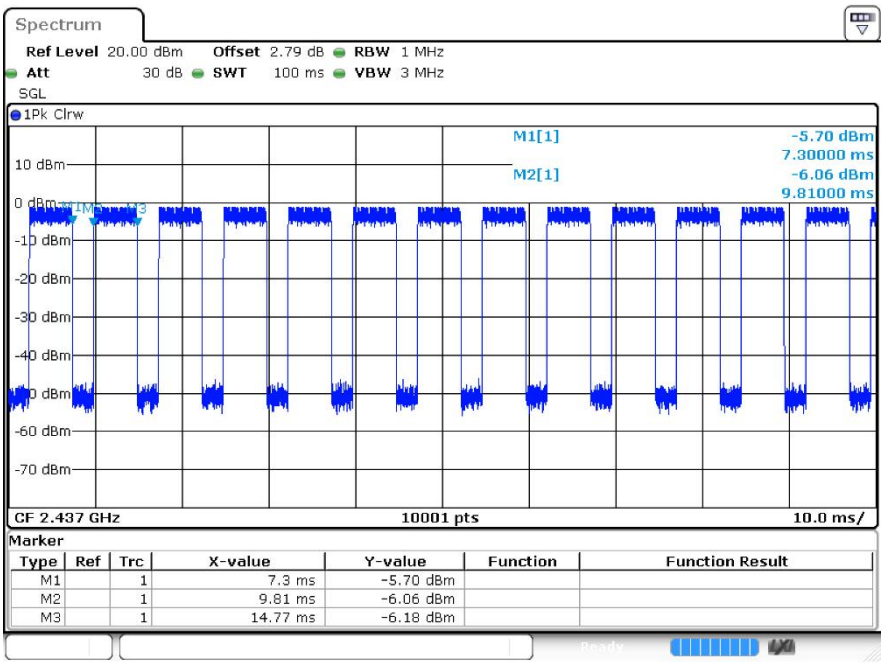
Duty Cycleg 2462MHz Ant2



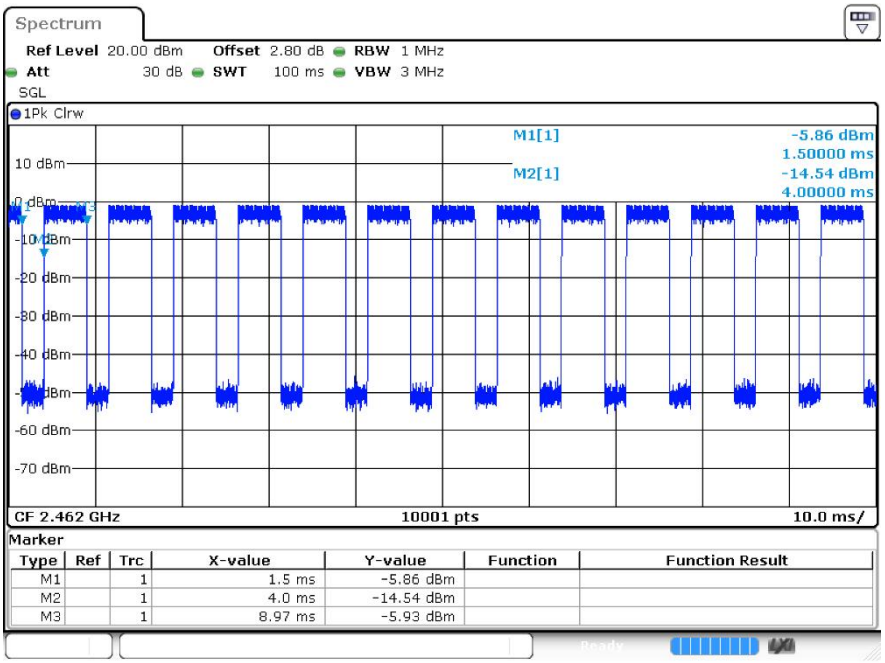
Duty Cyclen20 2412MHz Ant2



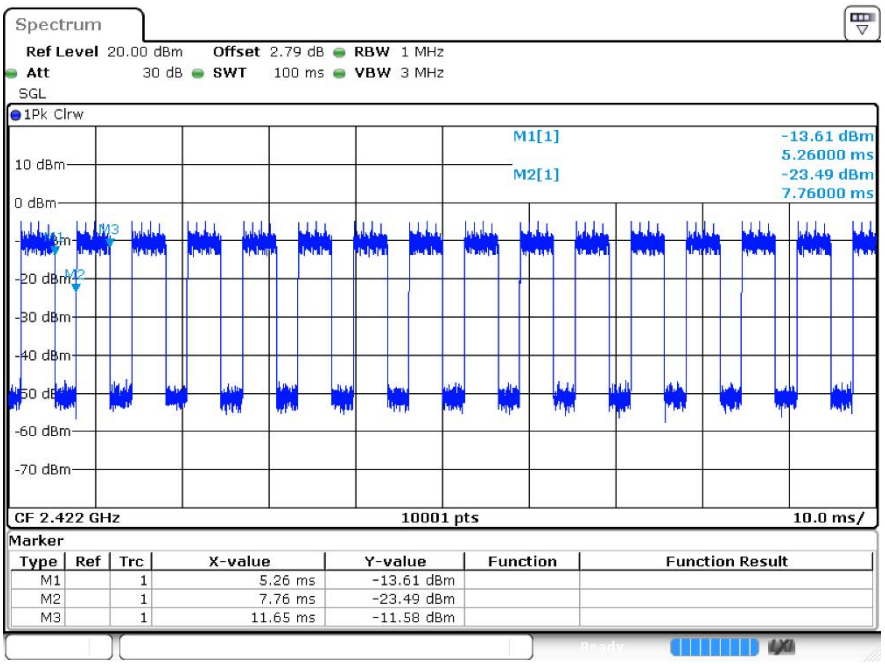
Duty Cyclen20 2437MHz Ant2



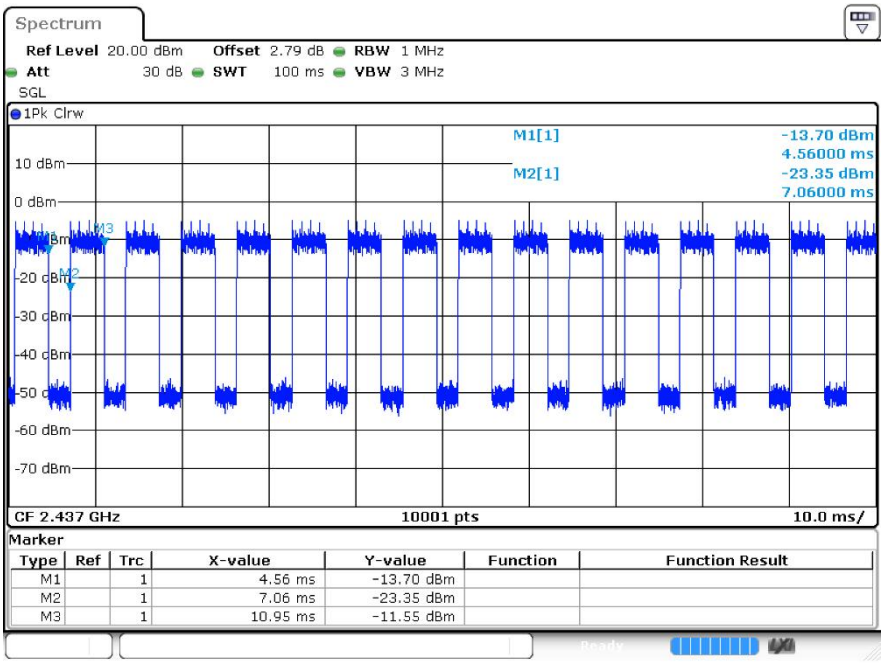
Duty Cyclen20 2462MHz Ant2



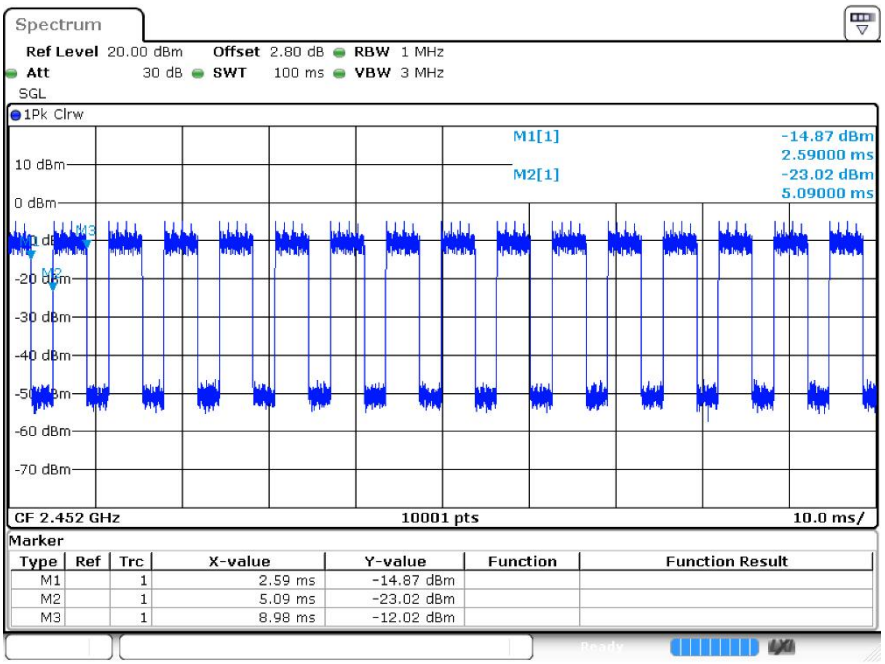
Duty Cyclen40 2422MHz Ant2



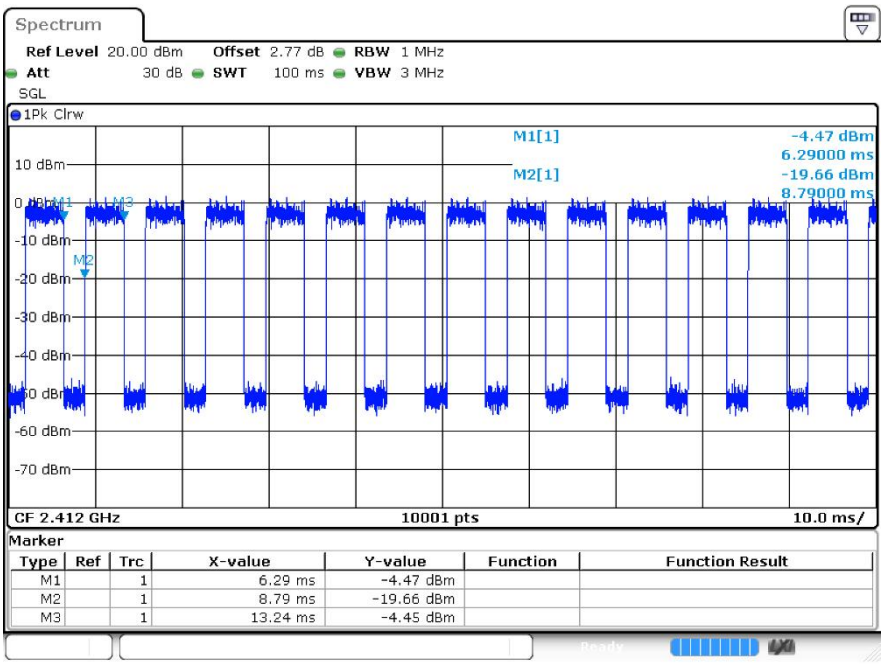
Duty Cyclen40 2437MHz Ant2



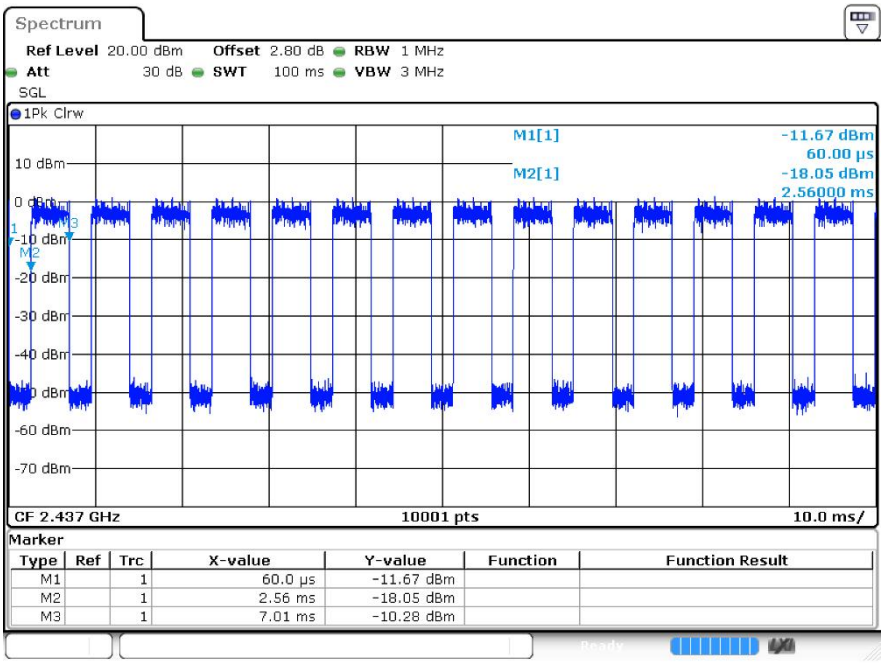
Duty Cyclen40 2452MHz Ant2



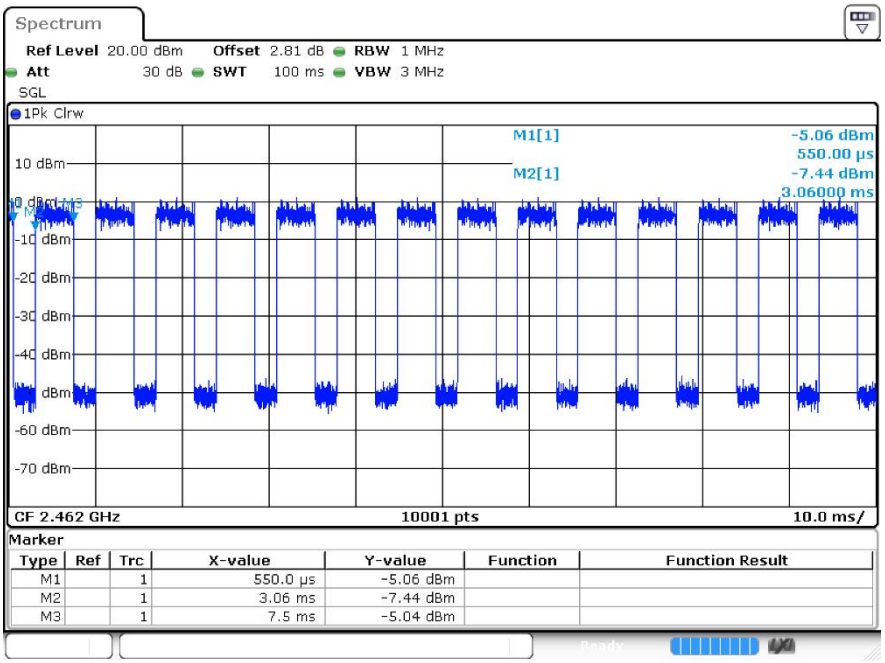
Duty Cycleax20 2412MHz Ant1



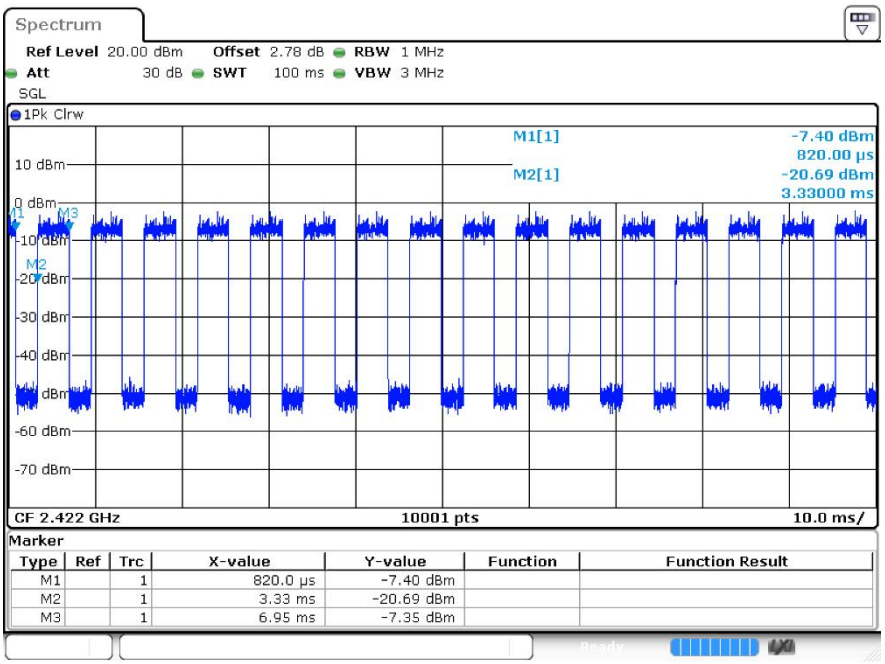
Duty Cycleax20 2437MHz Ant1



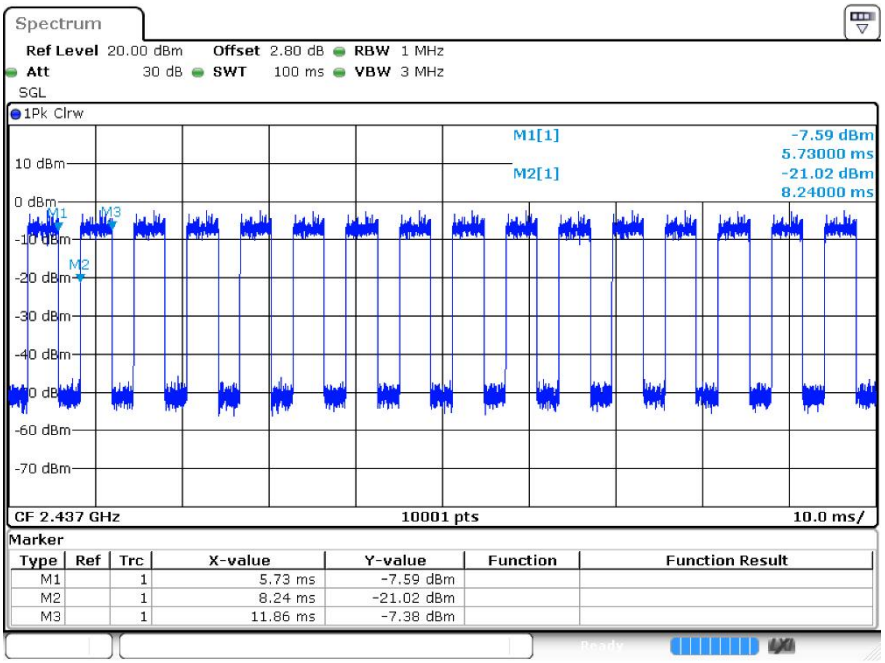
Duty Cycleax20 2462MHz Ant1



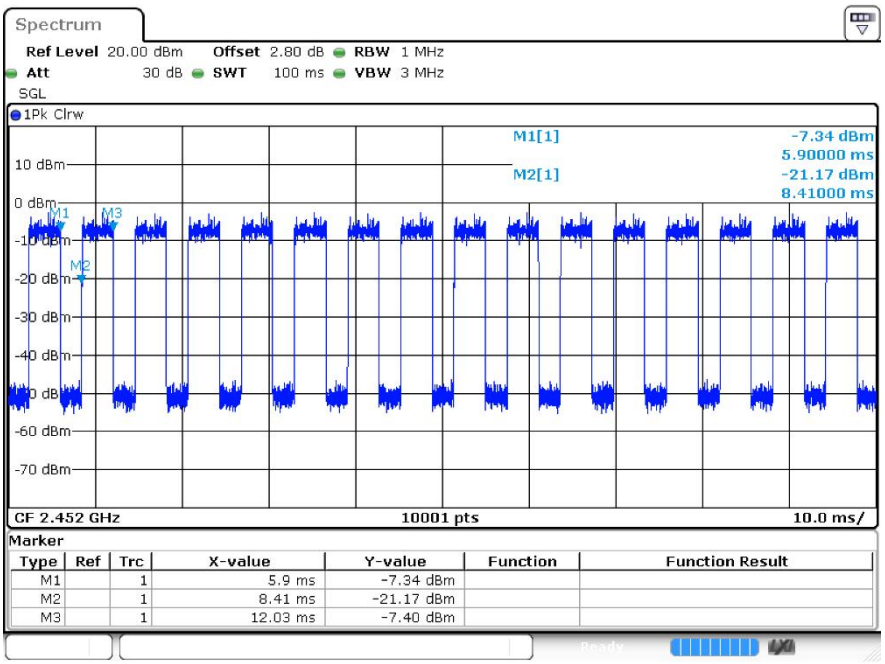
Duty Cycleax40 2422MHz Ant1



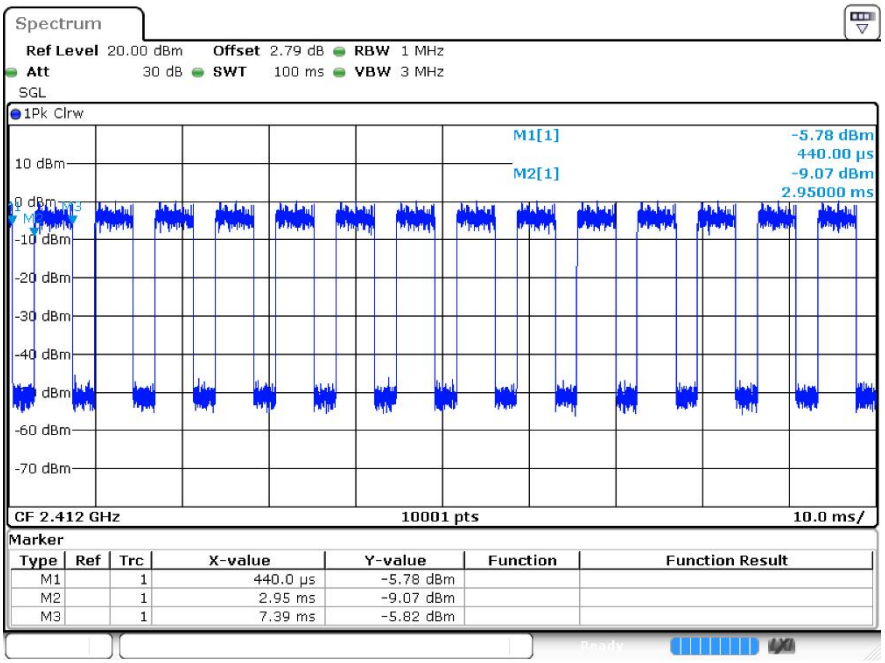
Duty Cycleax40 2437MHz Ant1



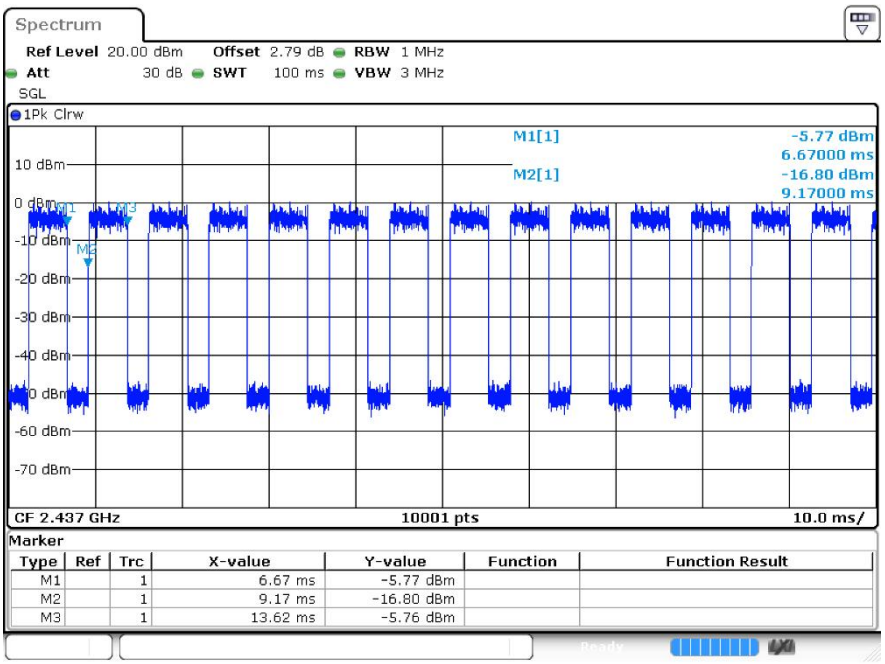
Duty Cycleax40 2452MHz Ant1



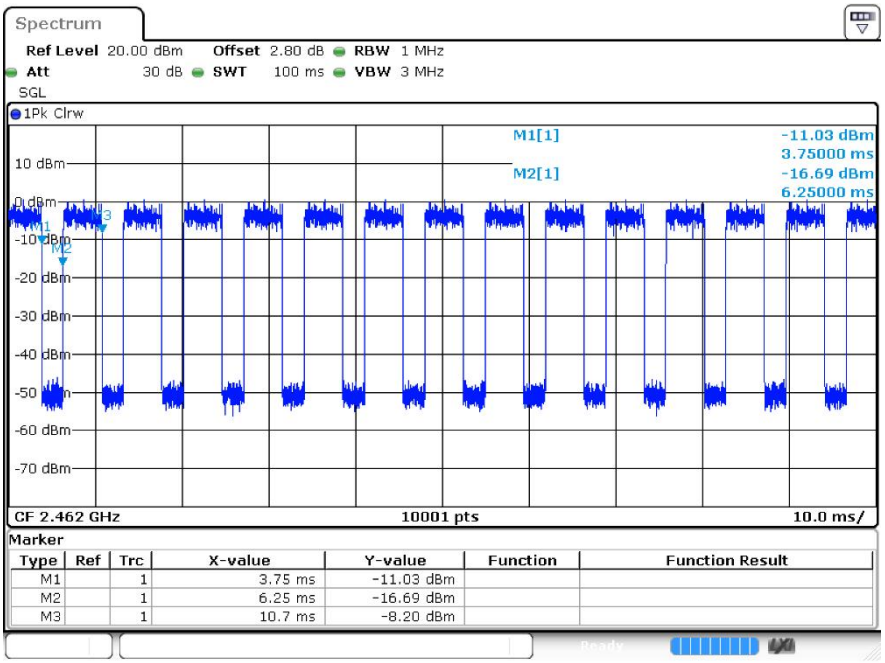
Duty Cycleax20 2412MHz Ant2



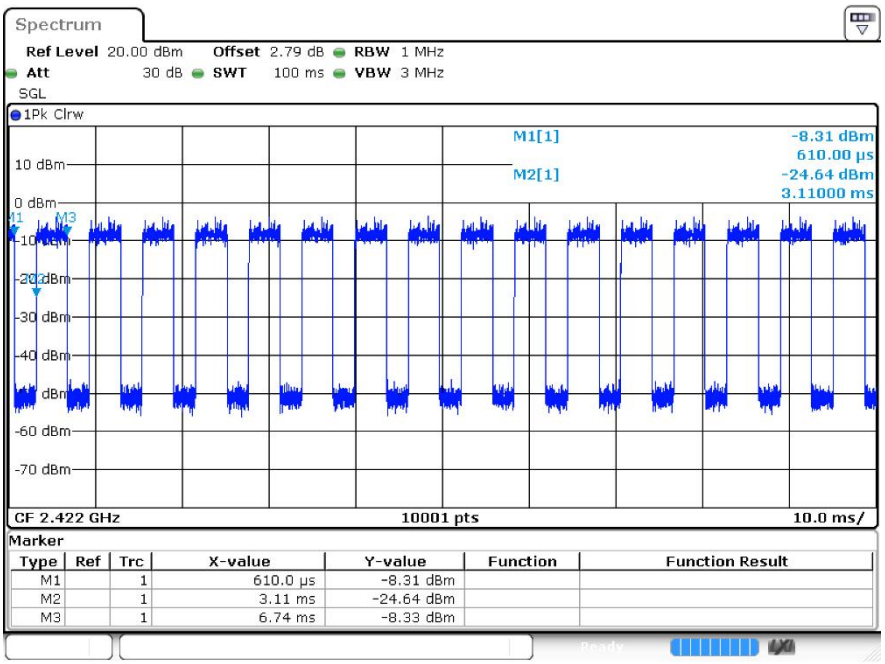
Duty Cycleax20 2437MHz Ant2



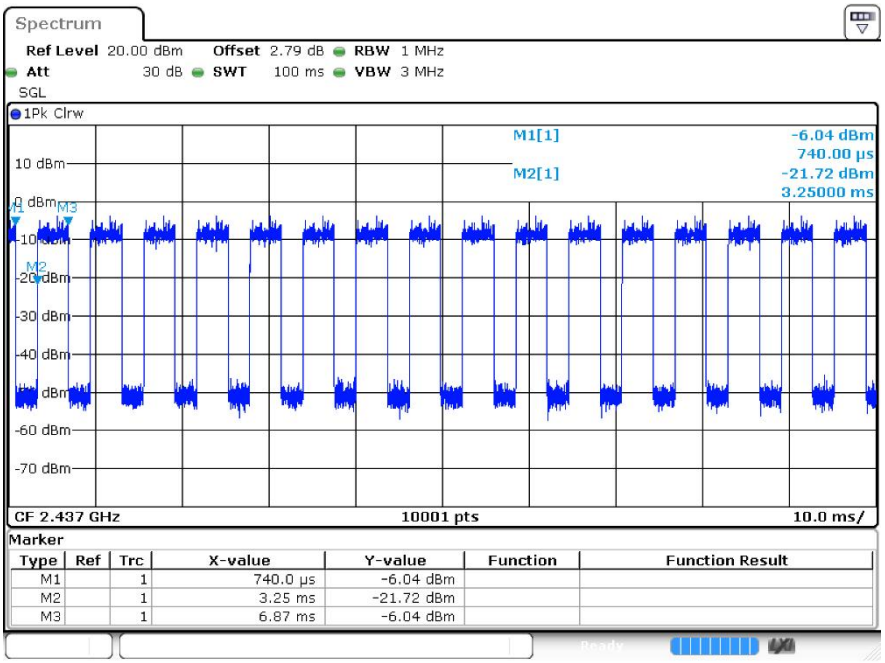
Duty Cycleax20 2462MHz Ant2



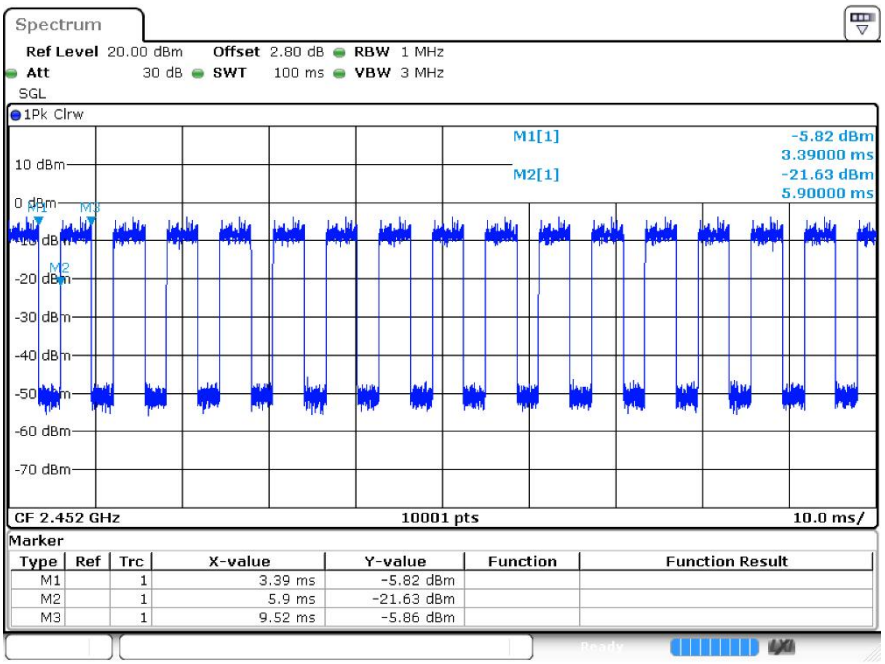
Duty Cycleax40 2422MHz Ant2



Duty Cycleax40 2437MHz Ant2



Duty Cycleax40 2452MHz Ant2



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	16.77	30	Pass
b	2437	Ant1	16.76	30	Pass
b	2462	Ant1	16.61	30	Pass
b	2412	Ant2	15.61	30	Pass
b	2437	Ant2	15.54	30	Pass
b	2462	Ant2	14.76	30	Pass
g	2412	Ant1	16	30	Pass
g	2437	Ant1	16.1	30	Pass
g	2462	Ant1	15.84	30	Pass
g	2412	Ant2	14.98	30	Pass
g	2437	Ant2	14.76	30	Pass
g	2462	Ant2	14.67	30	Pass
n20	2412	Ant1	13.41	30	Pass
n20	2437	Ant1	13.27	30	Pass
n20	2462	Ant1	12.9	30	Pass
n20	2412	Ant2	12.16	30	Pass
n20	2437	Ant2	12.12	30	Pass
n20	2462	Ant2	12.15	30	Pass
n20	2412	Sum	15.84	29.59	Pass
n20	2437	Sum	15.74	29.59	Pass
n20	2462	Sum	15.55	29.59	Pass
n40	2422	Ant1	12.86	30	Pass
n40	2437	Ant1	12.52	30	Pass
n40	2452	Ant1	12.1	30	Pass
n40	2422	Ant2	11.4	30	Pass
n40	2437	Ant2	10.93	30	Pass
n40	2452	Ant2	11.28	30	Pass
n40	2422	Sum	15.2	29.59	Pass
n40	2437	Sum	14.81	29.59	Pass
n40	2452	Sum	14.72	29.59	Pass
ax20	2412	Ant1	12.78	30	Pass
ax20	2437	Ant1	12.47	30	Pass
ax20	2462	Ant1	12.39	30	Pass
ax20	2412	Ant2	11.64	30	Pass
ax20	2437	Ant2	11.64	30	Pass
ax20	2462	Ant2	11.9	30	Pass

ax20	2412	Sum	15.49	29.59	Pass
ax20	2437	Sum	15.2	29.59	Pass
ax20	2462	Sum	15.04	29.59	Pass
ax40	2422	Ant1	12.39	30	Pass
ax40	2437	Ant1	11.79	30	Pass
ax40	2452	Ant1	11.83	30	Pass
ax40	2422	Ant2	10.96	30	Pass
ax40	2437	Ant2	10.74	30	Pass
ax40	2452	Ant2	10.76	30	Pass
ax40	2422	Sum	14.74	29.59	Pass
ax40	2437	Sum	14.31	29.59	Pass
ax40	2452	Sum	14.34	29.59	Pass

Note: The Directional Gain is 6.41dBi, exceeding 0.41dBi. The limit value is 30-0.41=29.59dBm

3 -6dB Bandwidth

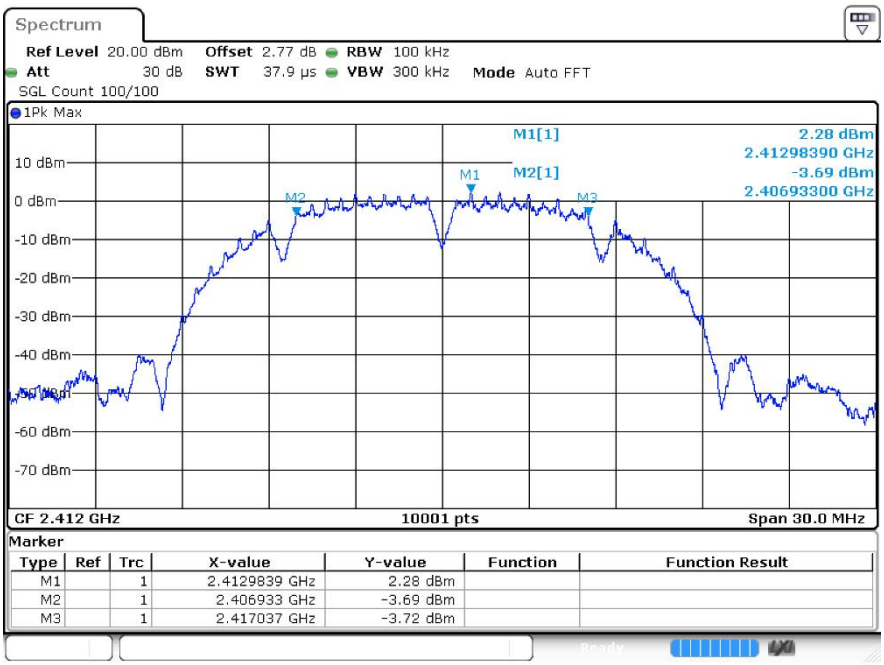
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.104	0.5	Pass
b	2437	Ant1	11.073	0.5	Pass
b	2462	Ant1	11.055	0.5	Pass
g	2412	Ant1	16.395	0.5	Pass
g	2437	Ant1	16.374	0.5	Pass
g	2462	Ant1	16.392	0.5	Pass
n20	2412	Ant1	17.646	0.5	Pass
n20	2437	Ant1	17.643	0.5	Pass
n20	2462	Ant1	17.64	0.5	Pass
n40	2422	Ant1	35.292	0.5	Pass
n40	2437	Ant1	36.324	0.5	Pass
n40	2452	Ant1	36.372	0.5	Pass
ax20	2412	Ant1	19.098	0.5	Pass
ax20	2437	Ant1	18.807	0.5	Pass
ax20	2462	Ant1	19.062	0.5	Pass
ax40	2422	Ant1	37.68	0.5	Pass
ax40	2437	Ant1	38.034	0.5	Pass
ax40	2452	Ant1	38.07	0.5	Pass
b	2412	Ant2	11.064	0.5	Pass
b	2437	Ant2	11.082	0.5	Pass
b	2462	Ant2	11.067	0.5	Pass
g	2412	Ant2	16.296	0.5	Pass
g	2437	Ant2	16.467	0.5	Pass
g	2462	Ant2	16.473	0.5	Pass
n20	2412	Ant2	17.643	0.5	Pass
n20	2437	Ant2	17.661	0.5	Pass
n20	2462	Ant2	16.773	0.5	Pass
n40	2422	Ant2	36.36	0.5	Pass
n40	2437	Ant2	36.366	0.5	Pass
n40	2452	Ant2	36.336	0.5	Pass
ax20	2412	Ant2	19.023	0.5	Pass
ax20	2437	Ant2	18.993	0.5	Pass
ax20	2462	Ant2	19.005	0.5	Pass
ax40	2422	Ant2	38.088	0.5	Pass
ax40	2437	Ant2	38.112	0.5	Pass
ax40	2452	Ant2	38.154	0.5	Pass

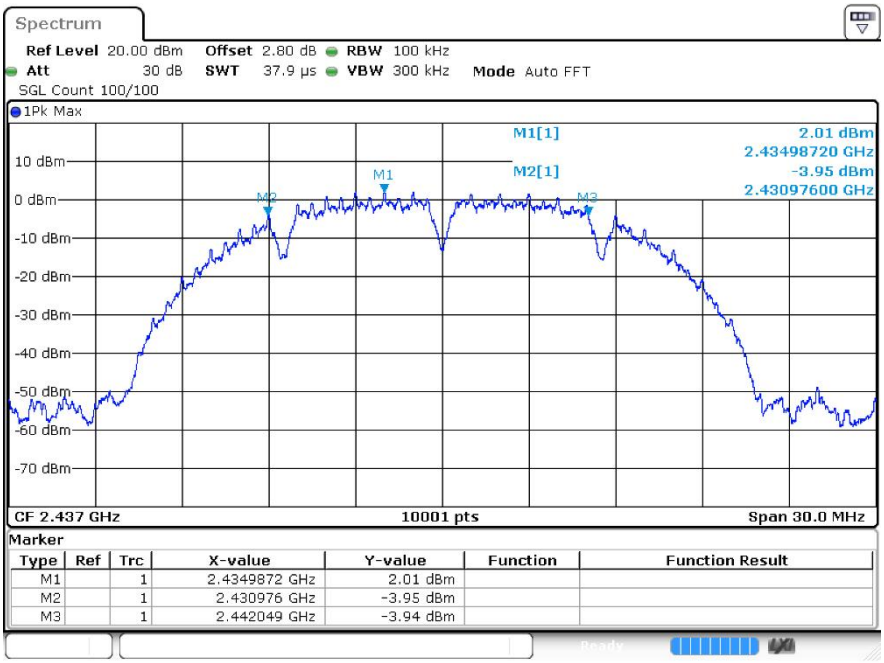
3.2 Test Graphs

Test Graphs

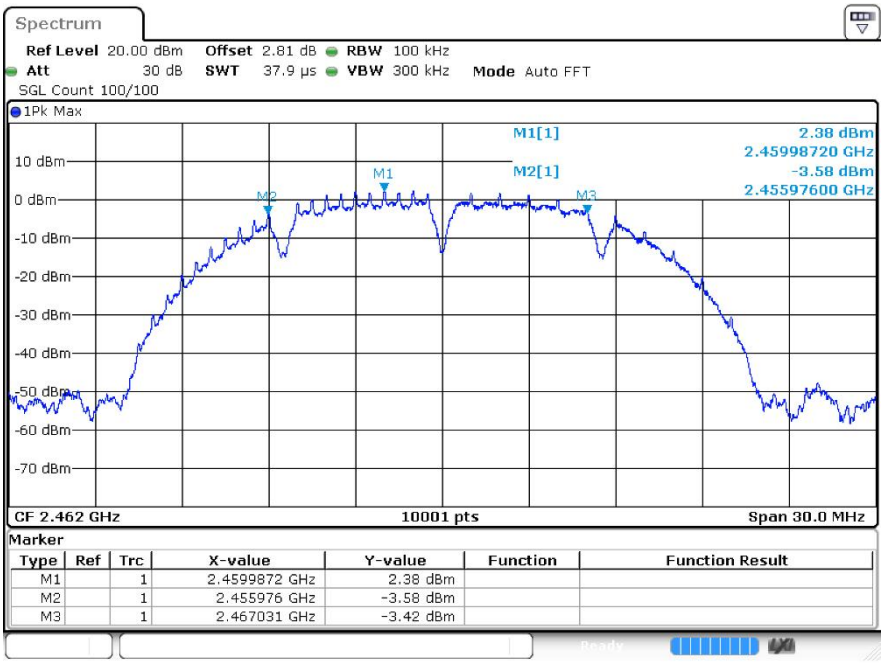
b 2412MHz Ant1



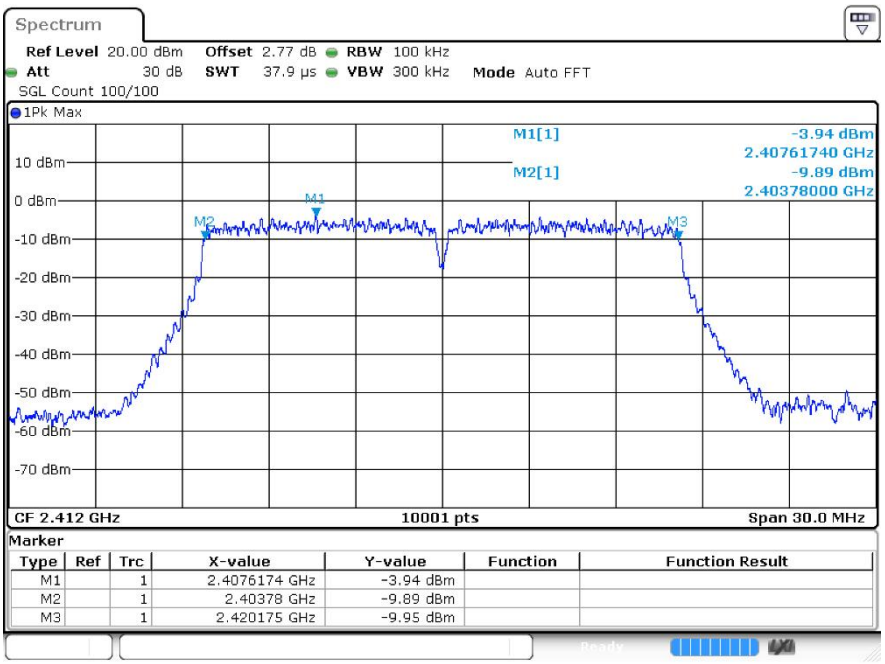
b 2437MHz Ant1



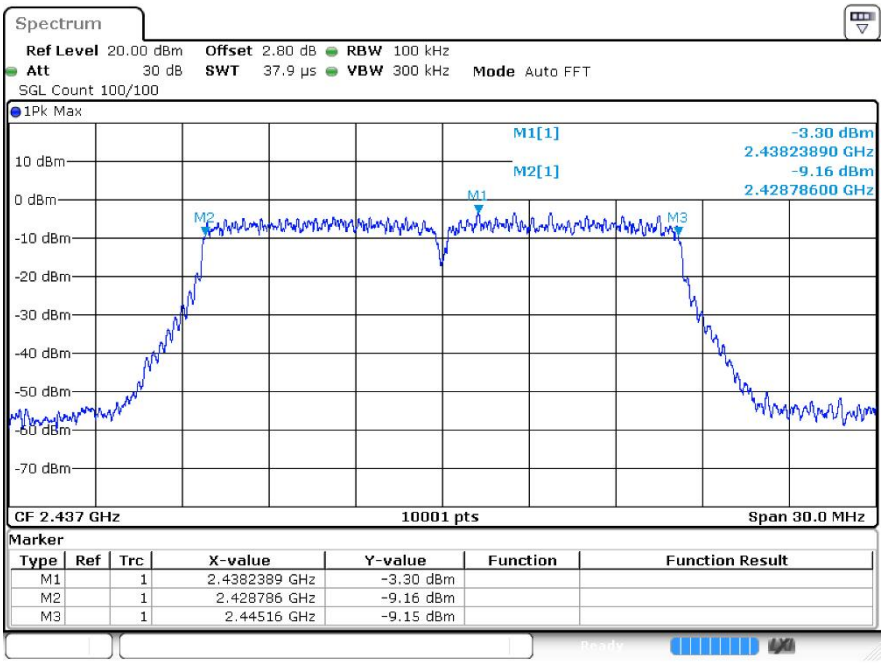
b 2462MHz Ant1



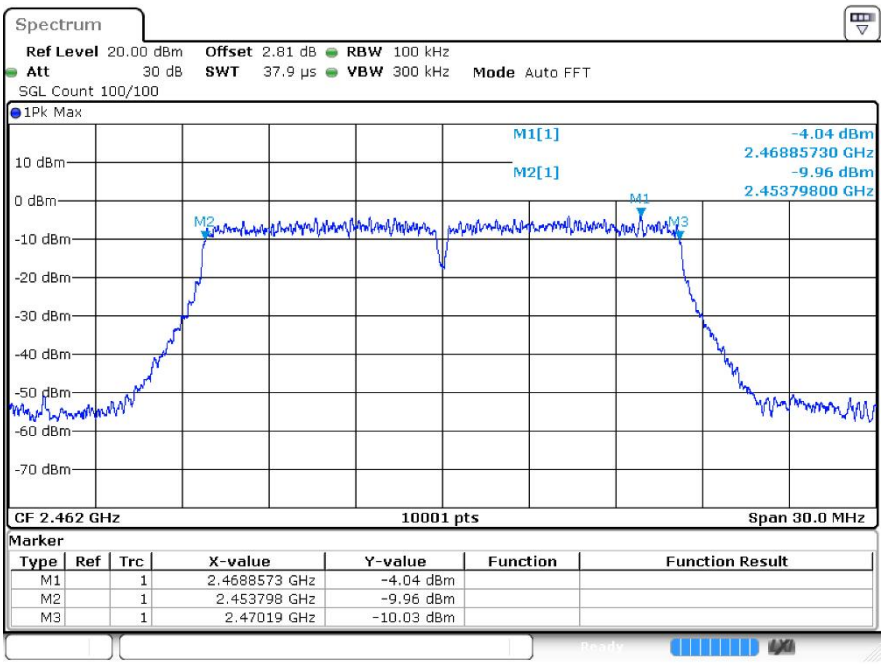
g 2412MHz Ant1



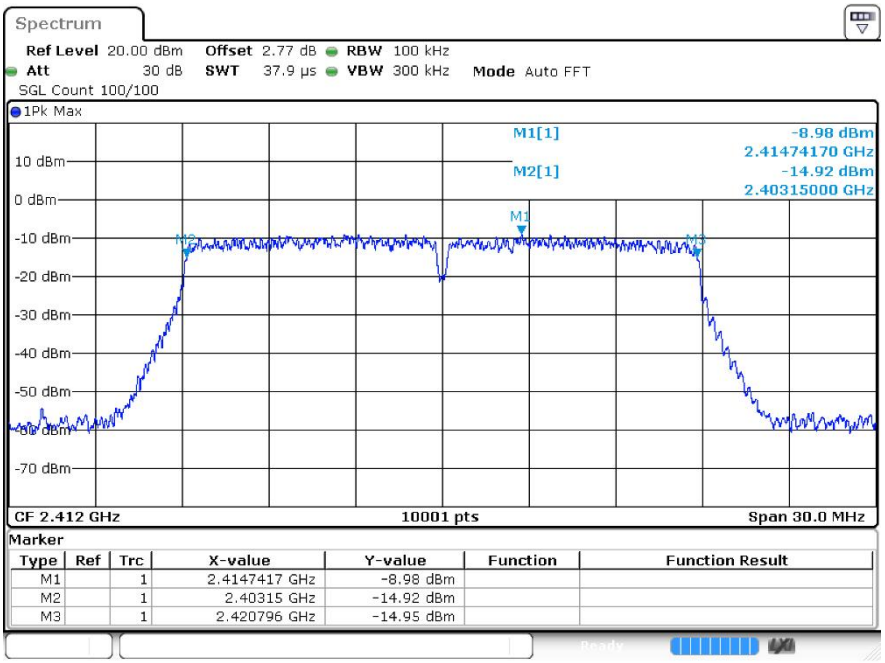
g 2437MHz Ant1



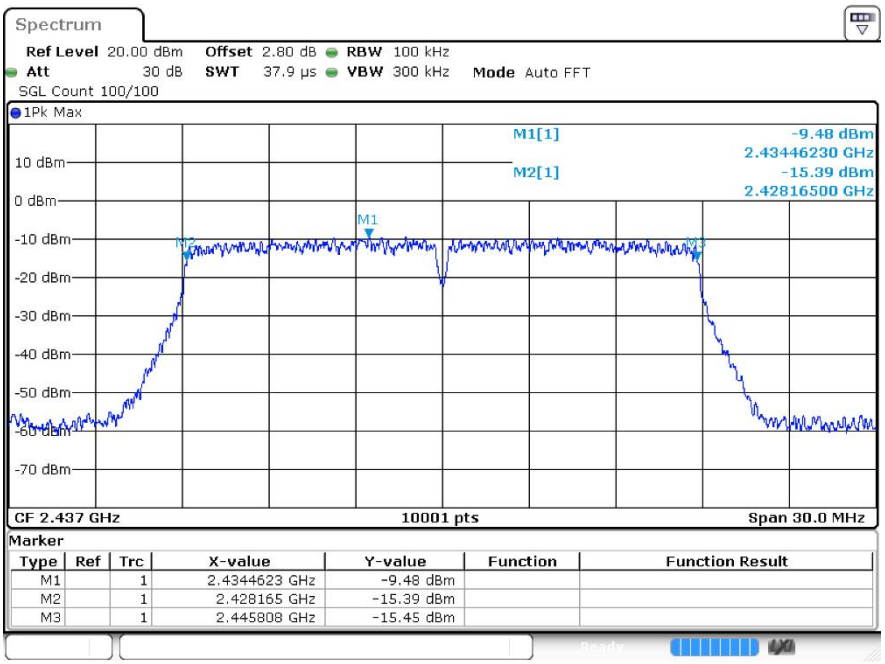
g 2462MHz Ant1



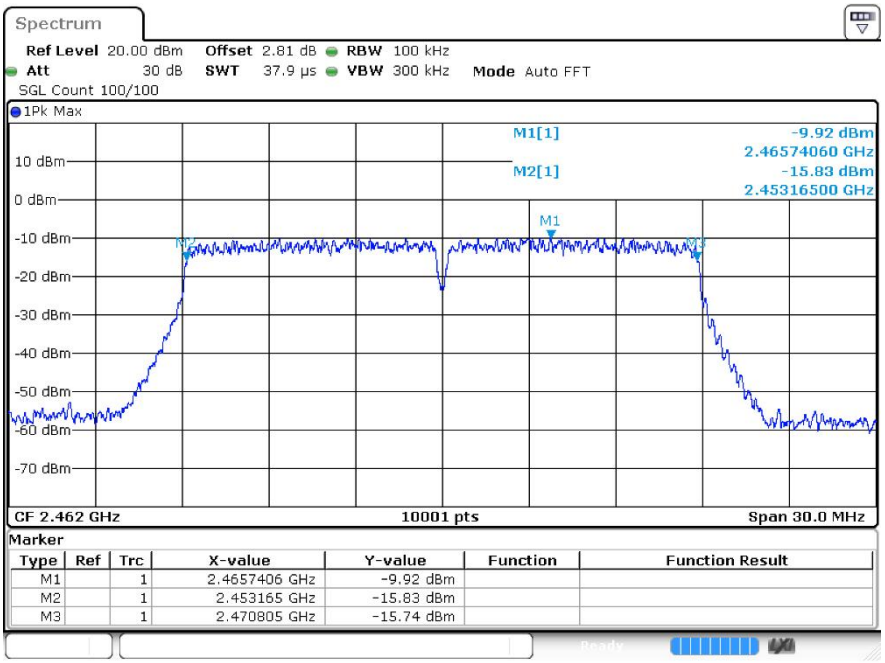
n20 2412MHz Ant1



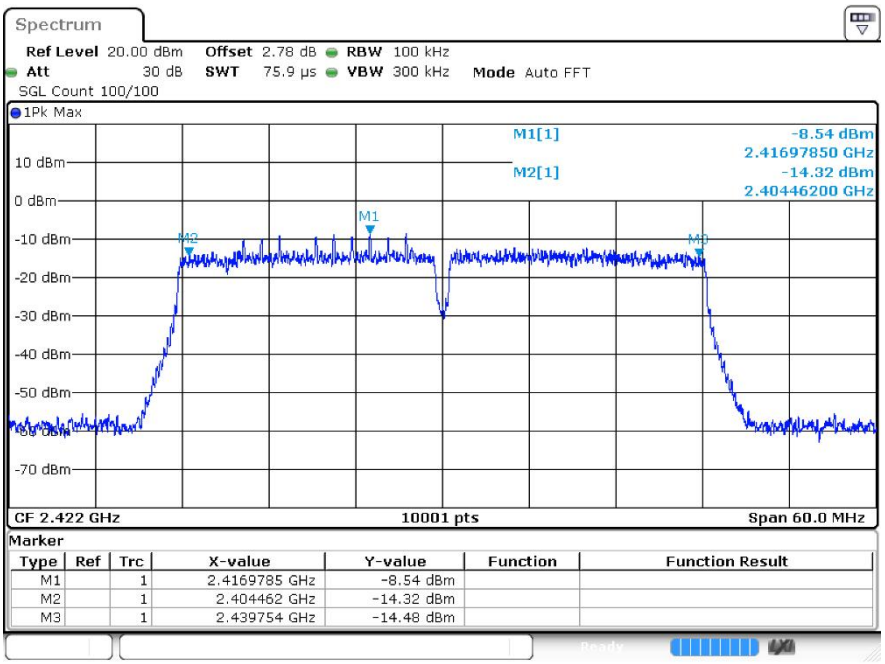
n20 2437MHz Ant1



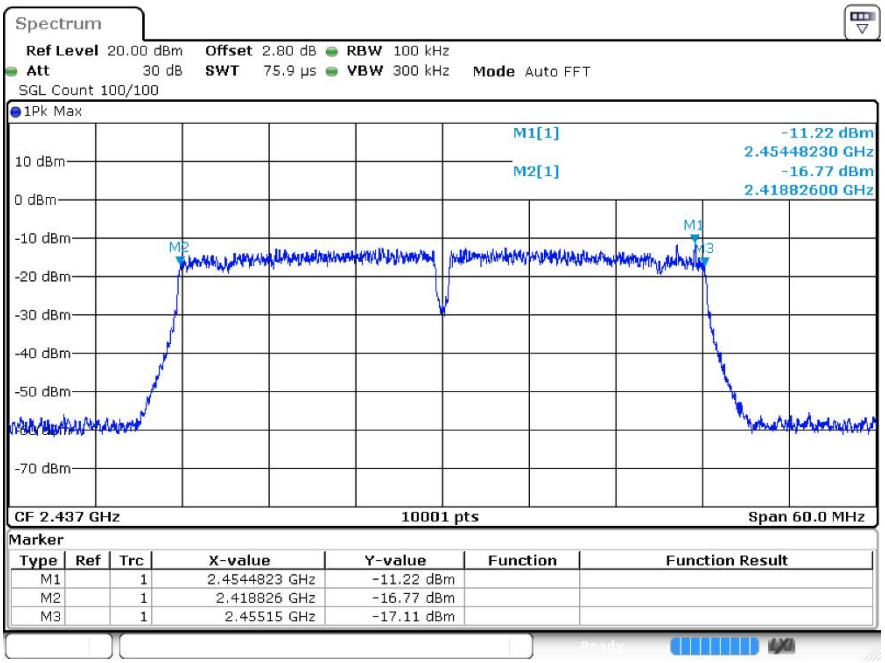
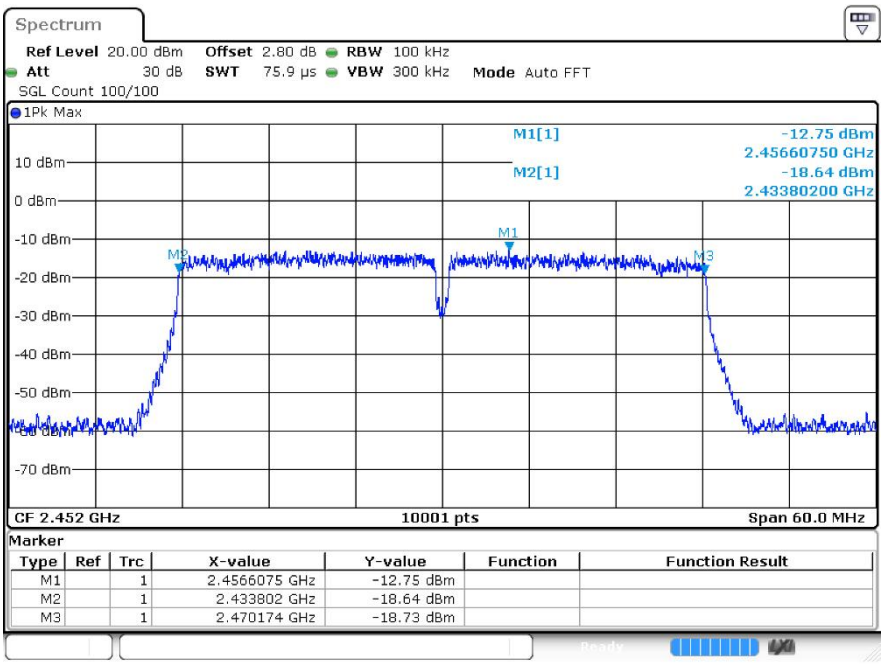
n20 2462MHz Ant1



n40 2422MHz Ant1



n40 2437MHz Ant1



n40 2452MHz Ant1