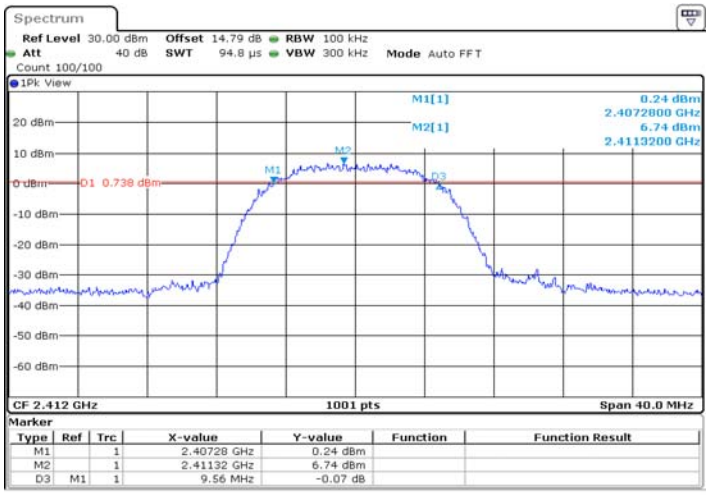
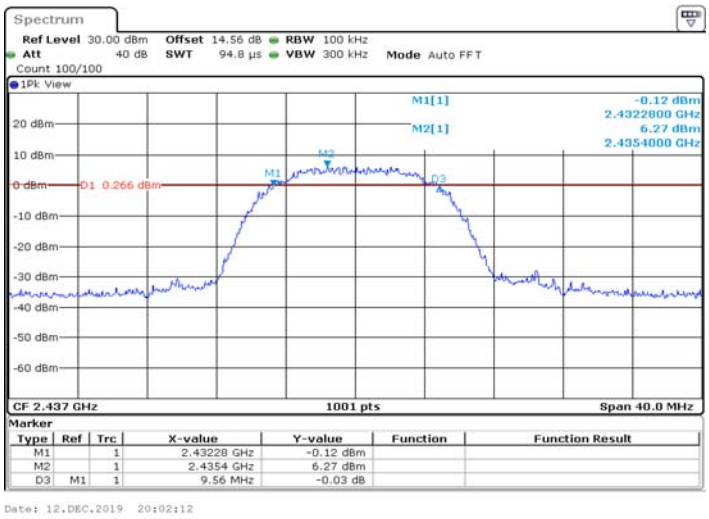
Item A: DTS Bandwidth

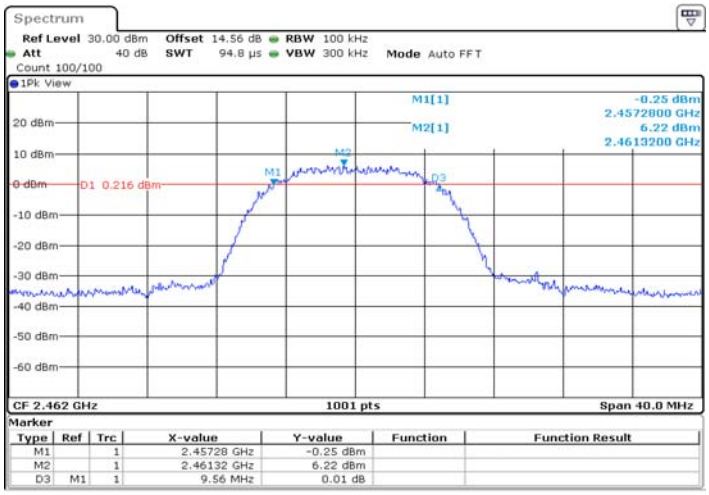
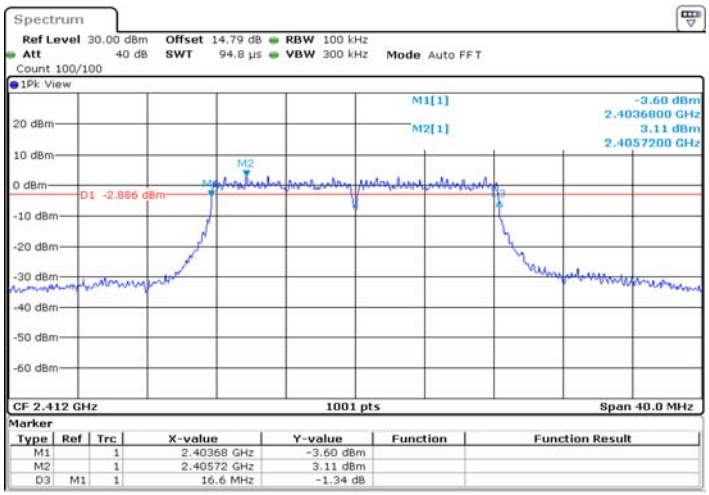
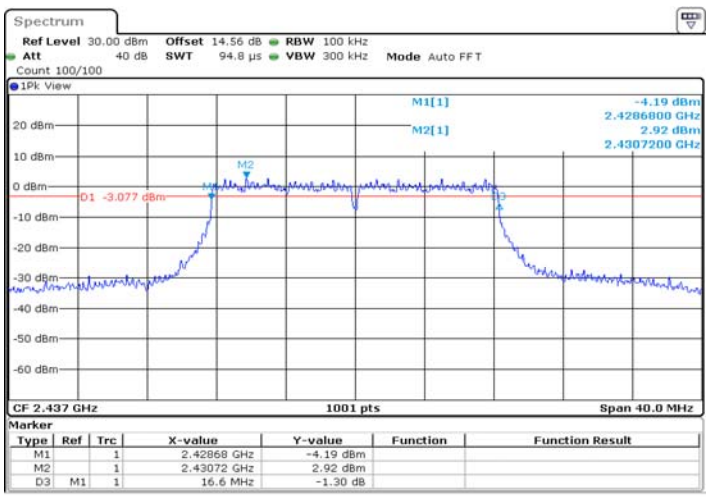
Test Result

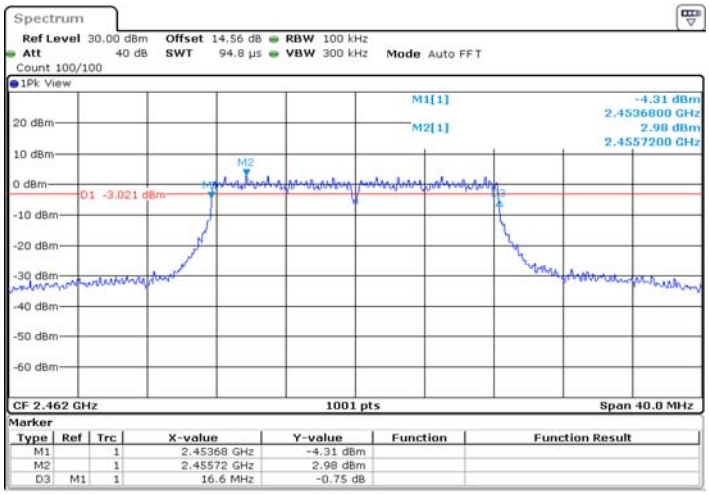
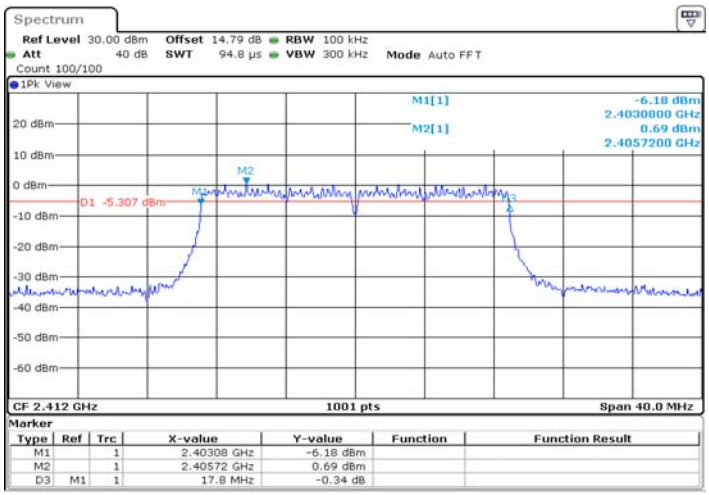
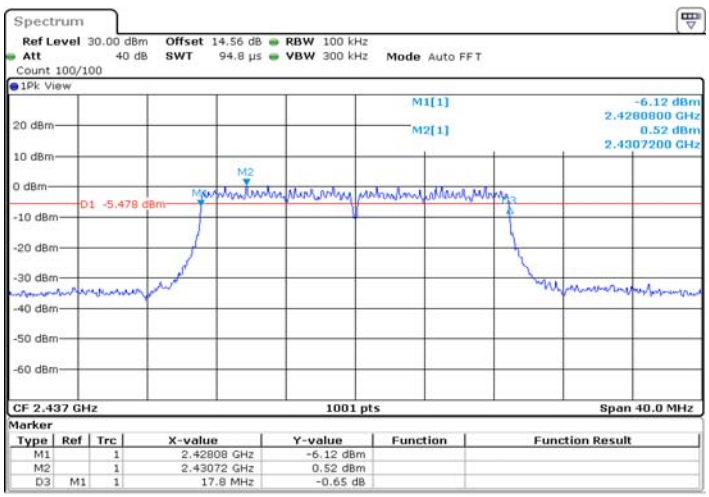
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.280	2416.840	0.5	PASS
		2437	9.560	2432.280	2441.840	0.5	PASS
		2462	9.560	2457.280	2466.840	0.5	PASS
11G	Ant1	2412	16.600	2403.680	2420.280	0.5	PASS
		2437	16.600	2428.680	2445.280	0.5	PASS
		2462	16.600	2453.680	2470.280	0.5	PASS
11N20	Ant1	2412	17.800	2403.080	2420.880	0.5	PASS
		2437	17.800	2428.080	2445.880	0.5	PASS
		2462	17.800	2453.080	2470.880	0.5	PASS

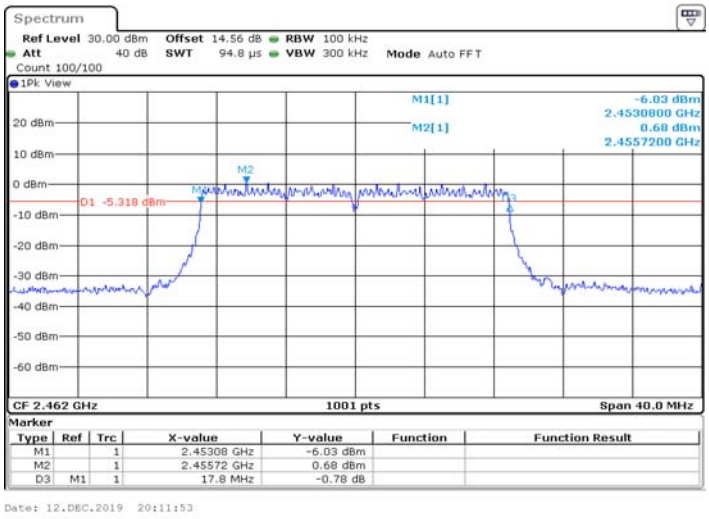
Test Graphs

11B_Ant1_2412


11B_Ant1_2437


11B_Ant1_2462

11G_Ant1_2412

11G_Ant1_2437


11G_Ant1_2462

11N20_Ant1_2412

11N20_Ant1_2437


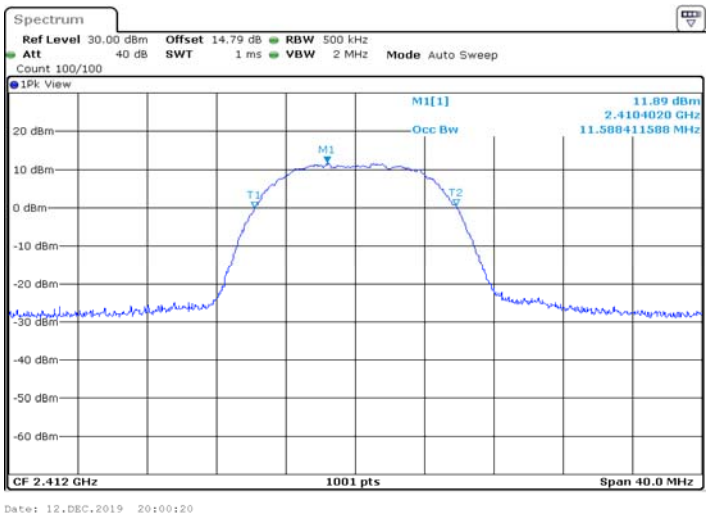
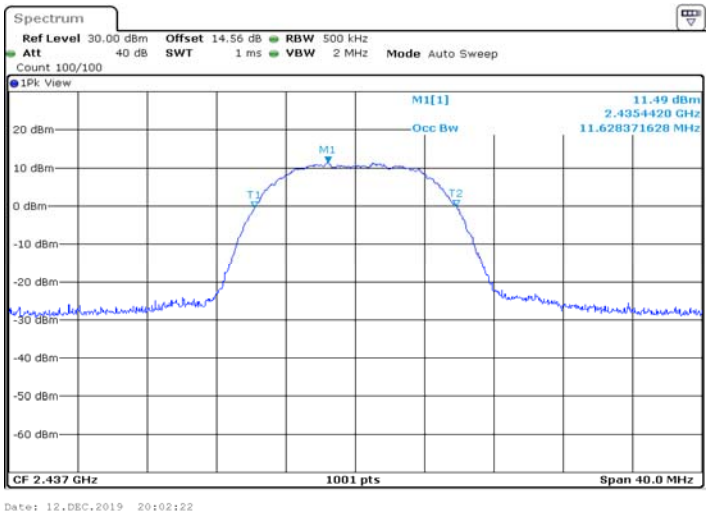
11N20_Ant1_2462


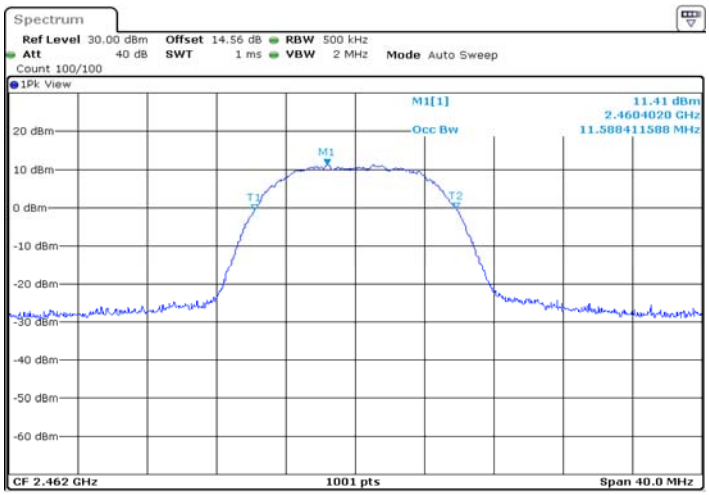
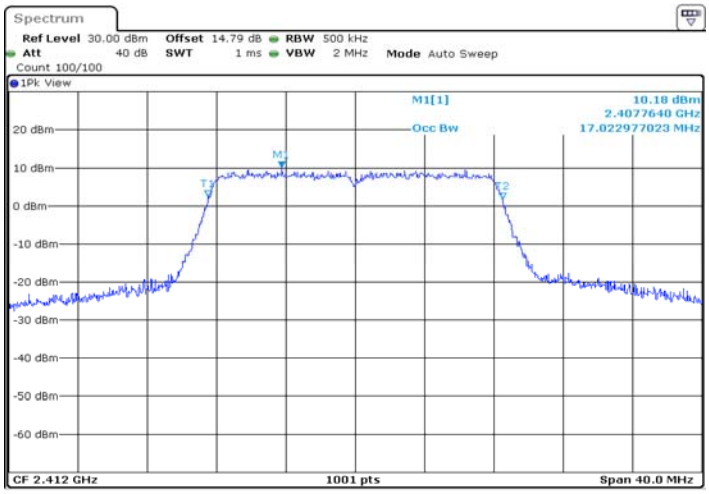
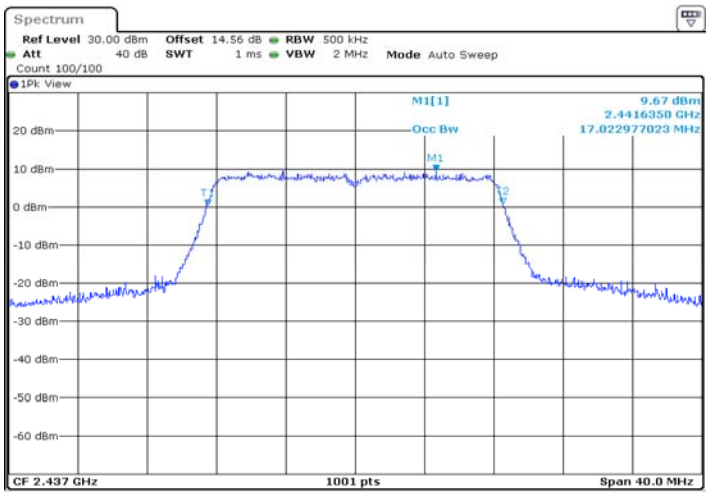
Item B: Occupied Channel Bandwidth

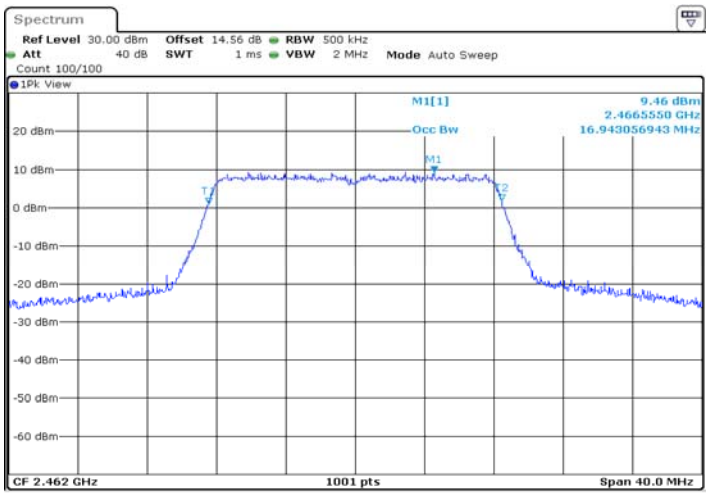
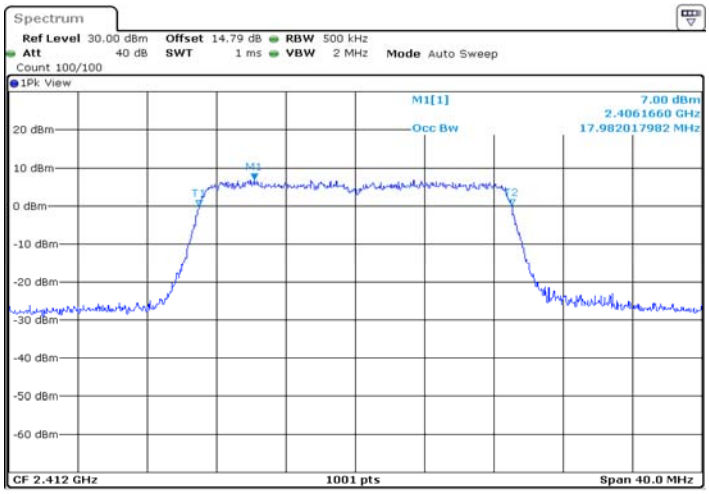
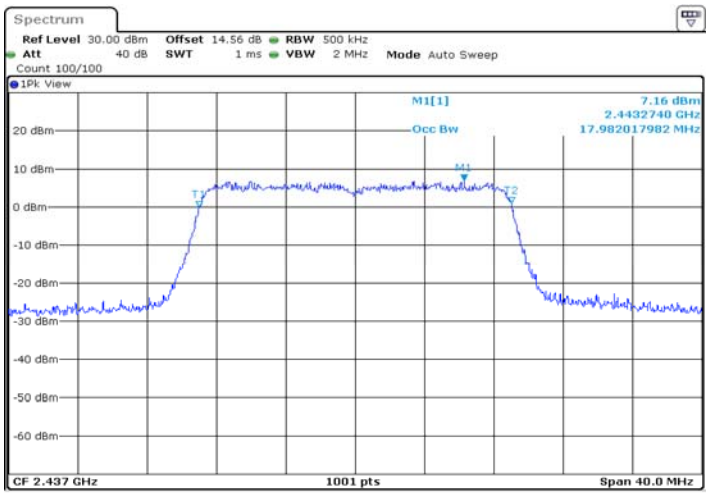
Test Result

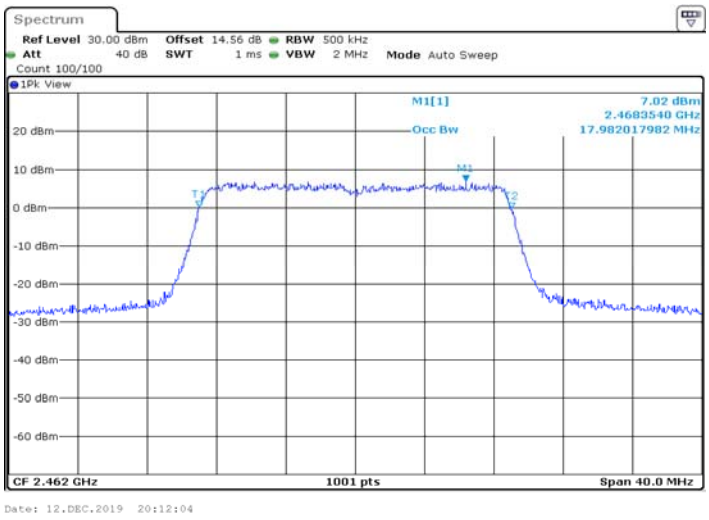
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.588	2406.206	2417.794	---	PASS
		2437	11.628	2431.206	2442.834	---	PASS
		2462	11.588	2456.206	2467.794	---	PASS
11G	Ant1	2412	17.023	2403.489	2420.511	---	PASS
		2437	17.023	2428.489	2445.511	---	PASS
		2462	16.943	2453.528	2470.472	---	PASS
11N20	Ant1	2412	17.982	2403.009	2420.991	---	PASS
		2437	17.982	2428.009	2445.991	---	PASS
		2462	17.982	2453.009	2470.991	---	PASS

Test Graphs

11B_Ant1_2412

11B_Ant1_2437


11B_Ant1_2462

11G_Ant1_2412

11G_Ant1_2437


11G_Ant1_2462

11N20_Ant1_2412

11N20_Ant1_2437


11N20_Ant1_2462


Item C: Maximum conducted output power (AV)

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	20.28	<=30	PASS
		2437	19.95	<=30	PASS
		2462	19.85	<=30	PASS
11G	Ant1	2412	20.10	<=30	PASS
		2437	19.92	<=30	PASS
		2462	19.91	<=30	PASS
11N20	Ant1	2412	15.81	<=30	PASS
		2437	15.58	<=30	PASS
		2462	15.71	<=30	PASS

Item C: Maximum conducted output power (PEAK)

Test Result

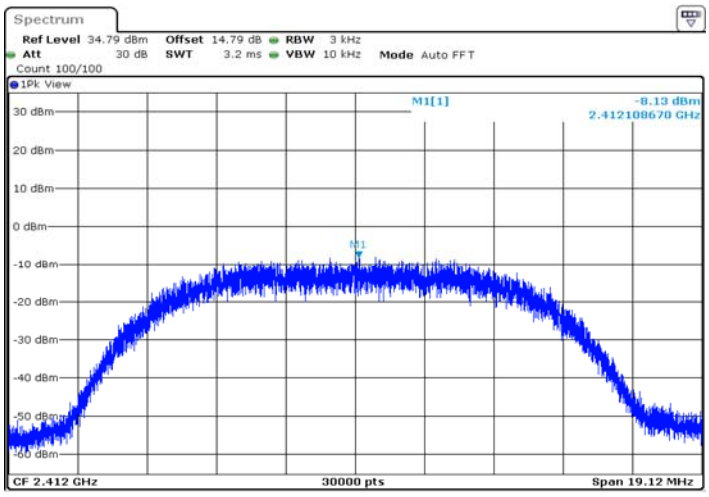
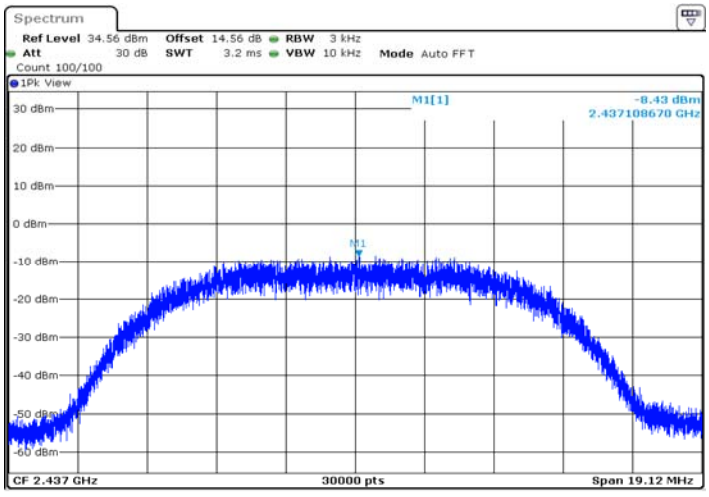
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	22.47	<=30	PASS
		2437	22.28	<=30	PASS
		2462	22.41	<=30	PASS
11G	Ant1	2412	23.46	<=30	PASS
		2437	23.17	<=30	PASS
		2462	23.30	<=30	PASS
11N20	Ant1	2412	23.64	<=30	PASS
		2437	23.26	<=30	PASS
		2462	23.79	<=30	PASS

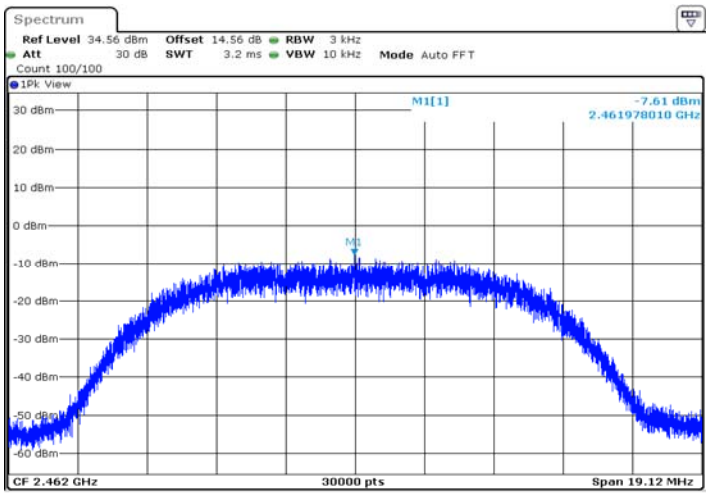
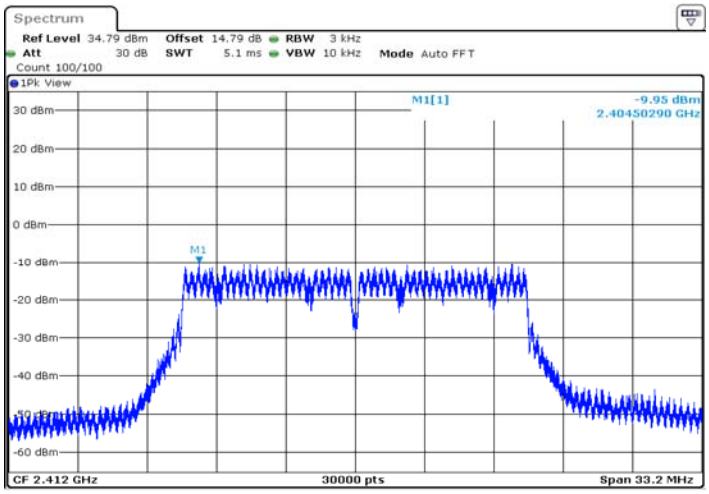
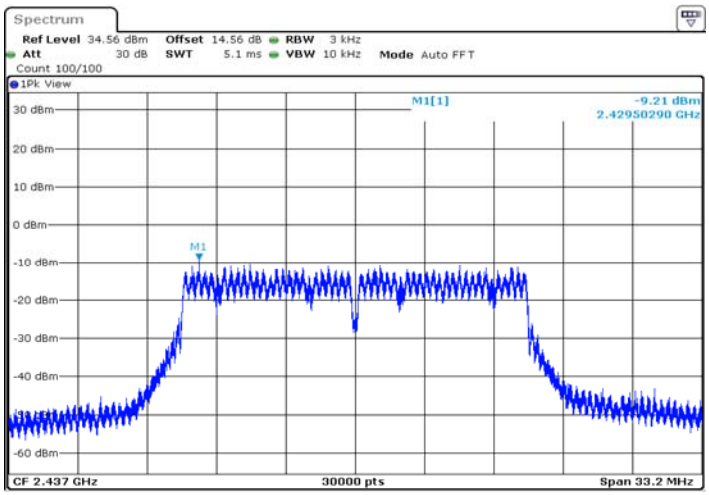
Item D: Maximum power spectral density

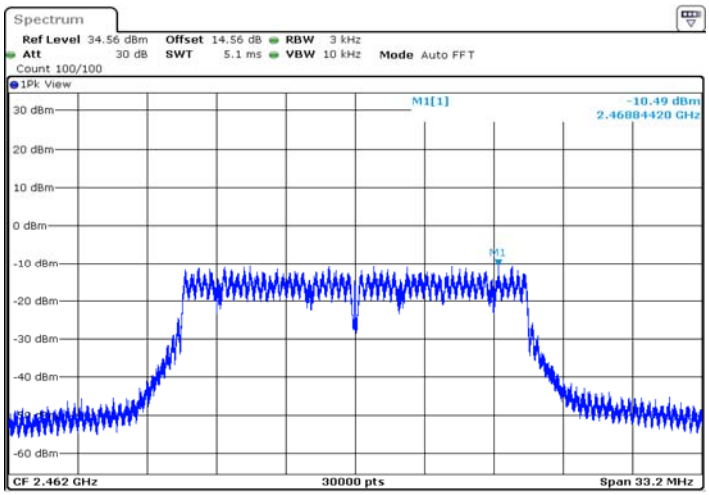
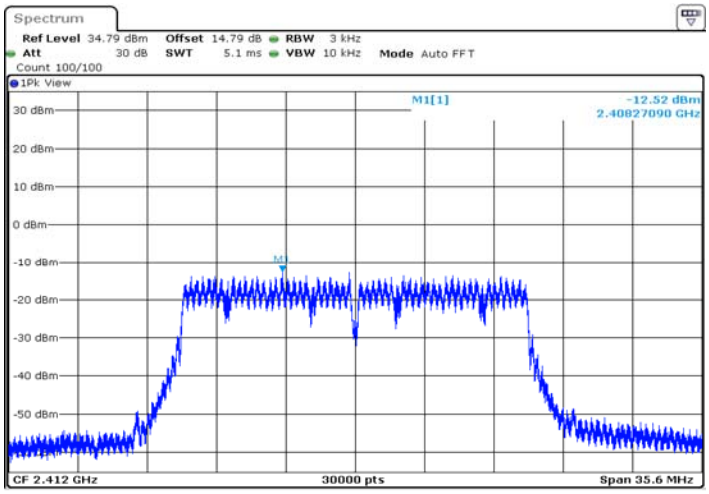
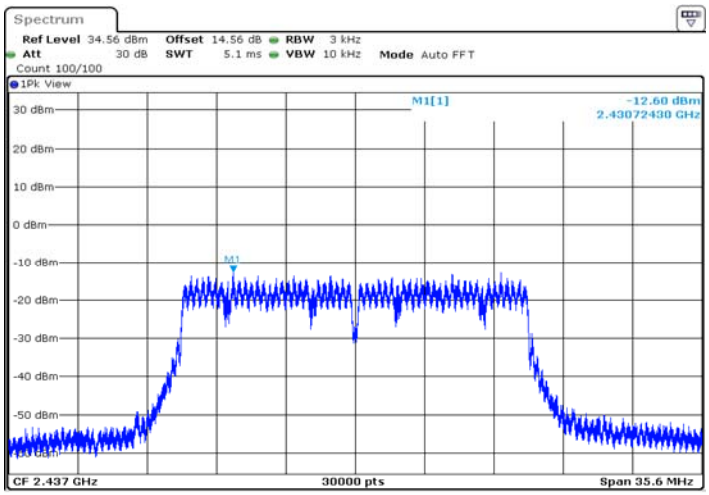
Test Result

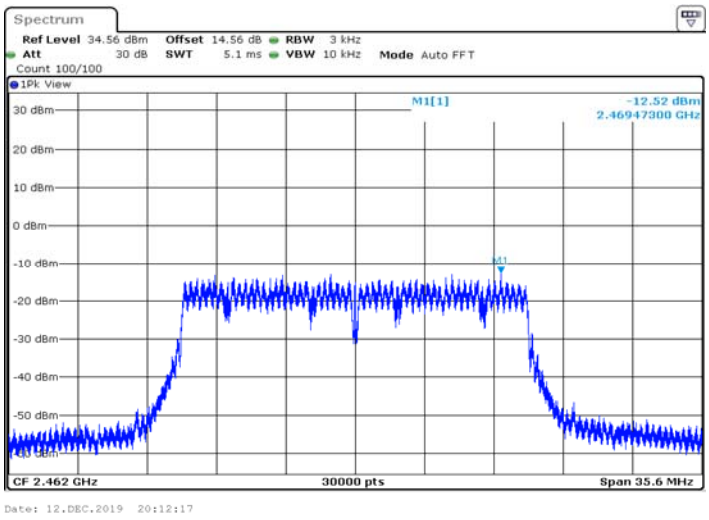
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.13	<=8	PASS
		2437	-8.43	<=8	PASS
		2462	-7.61	<=8	PASS
11G	Ant1	2412	-9.95	<=8	PASS
		2437	-9.21	<=8	PASS
		2462	-10.49	<=8	PASS
11N20	Ant1	2412	-12.52	<=8	PASS
		2437	-12.6	<=8	PASS
		2462	-12.52	<=8	PASS

Test Graphs

11B_Ant1_2412

11B_Ant1_2437


11B_Ant1_2462
 Date: 12.DEC.2019 20:04:21
11G_Ant1_2412
 Date: 12.DEC.2019 20:05:51
11G_Ant1_2437
 Date: 12.DEC.2019 20:07:20

11G_Ant1_2462
 Date: 12.DEC.2019 20:08:28
11N20_Ant1_2412
 Date: 12.DEC.2019 20:09:46
11N20_Ant1_2437
 Date: 12.DEC.2019 20:11:06

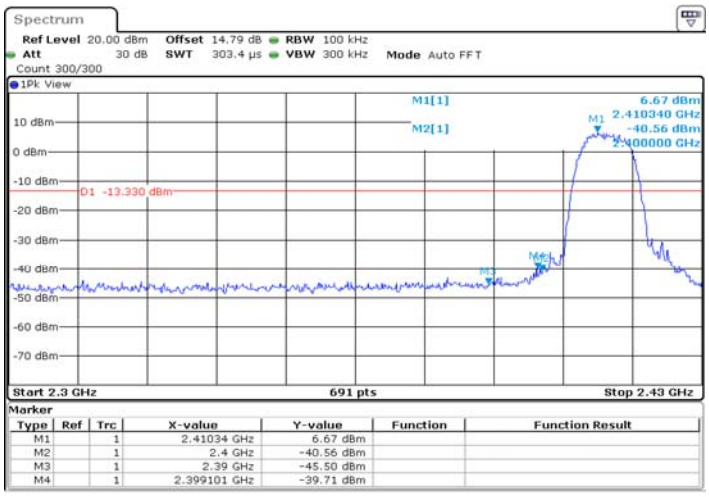
11N20_Ant1_2462


Item E:Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.67	-39.71	<=-13.33	PASS
		High	2462	5.87	-43.7	<=-14.13	PASS
11G	Ant1	Low	2412	2.83	-33.56	<=-17.17	PASS
		High	2462	2.87	-39.51	<=-17.13	PASS
11N20	Ant1	Low	2412	0.28	-38.18	<=-19.72	PASS
		High	2462	0.53	-41.75	<=-19.47	PASS

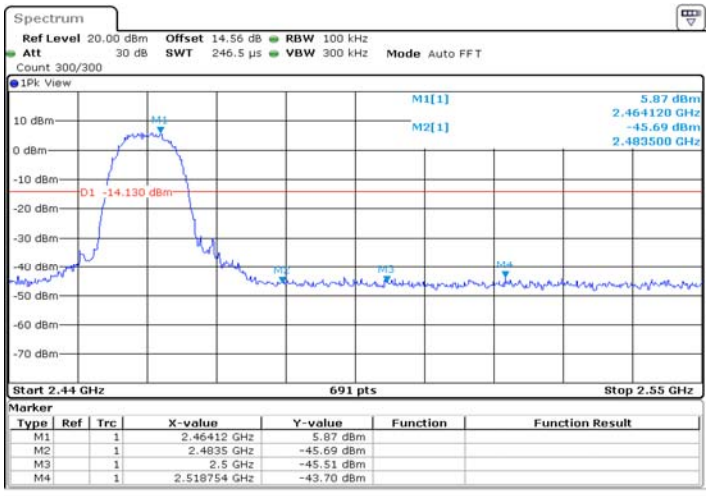
Test Graphs

11B_Ant1_Low_2412


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41034 GHz	6.67 dBm		
M2		1	2.4 GHz	-40.56 dBm		
M3		1	2.39 GHz	-45.50 dBm		
M4		1	2.399101 GHz	-39.71 dBm		

Date: 12.DEC.2019 20:00:42

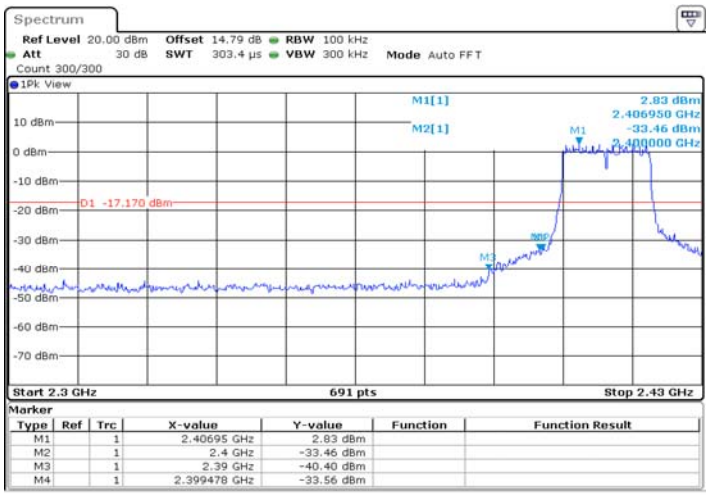
11B_Ant1_High_2462


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46412 GHz	5.87 dBm		
M2		1	2.4835 GHz	-45.69 dBm		
M3		1	2.5 GHz	-45.51 dBm		
M4		1	2.518754 GHz	-43.70 dBm		

Date: 12.DEC.2019 20:04:30

11G_Ant1_Low_2412

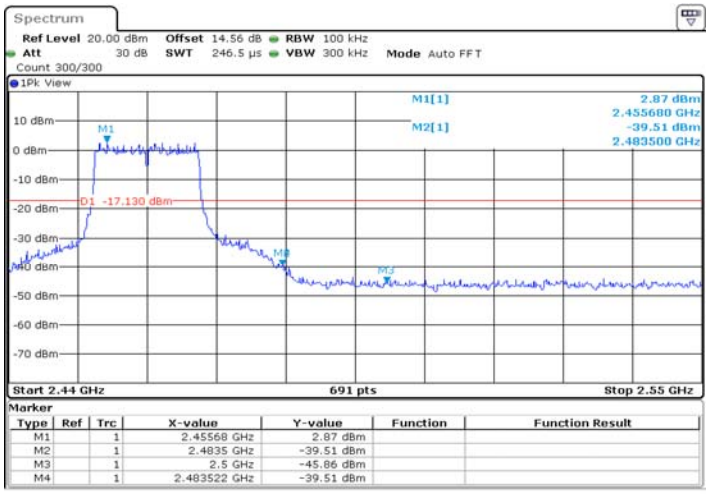


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40695 GHz	2.83 dBm		
M2		1	2.4 GHz	-33.46 dBm		
M3		1	2.39 GHz	-40.40 dBm		
M4		1	2.399478 GHz	-33.56 dBm		

Date: 12.DEC.2019 20:06:00

11G_Ant1_High_2462

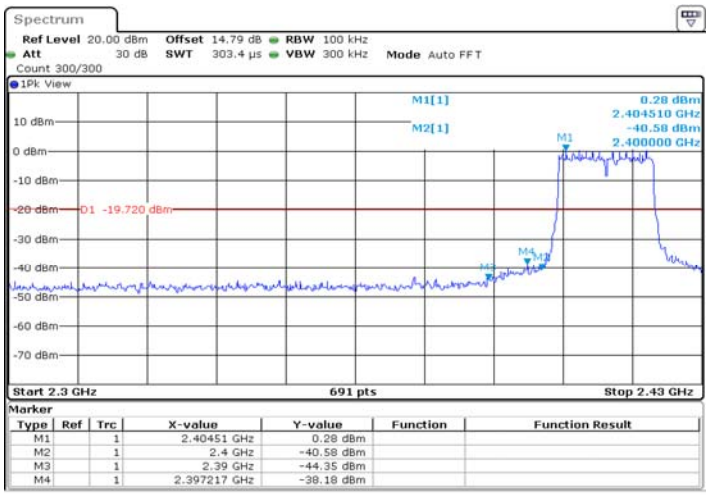


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45568 GHz	2.87 dBm		
M2		1	2.4835 GHz	-39.51 dBm		
M3		1	2.5 GHz	-45.86 dBm		
M4		1	2.483522 GHz	-39.51 dBm		

Date: 12.DEC.2019 20:08:37

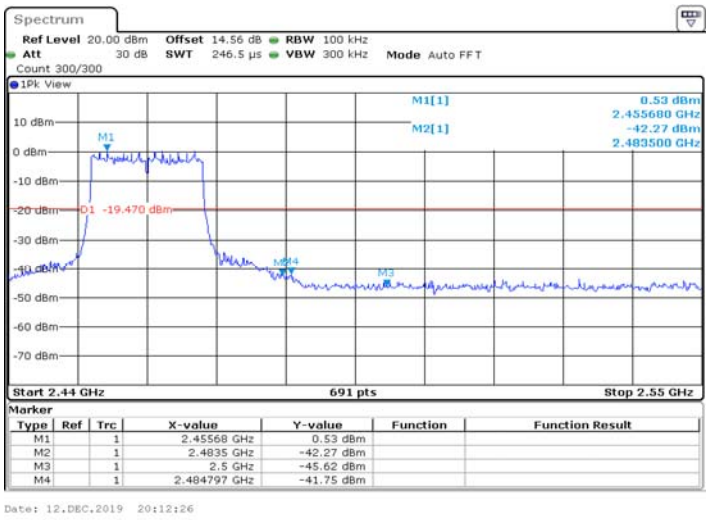
11N20_Ant1_Low_2412



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40451 GHz	0.28 dBm		
M2		1	2.4 GHz	-40.58 dBm		
M3		1	2.39 GHz	-44.35 dBm		
M4		1	2.397217 GHz	-38.18 dBm		

Date: 12.DEC.2019 20:09:56

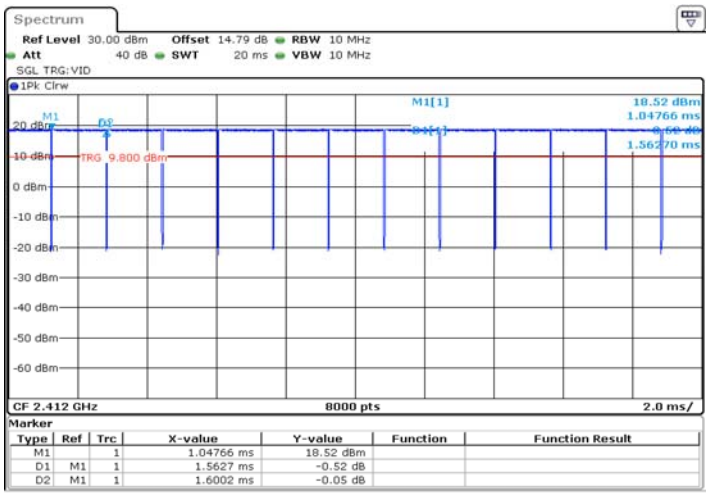
11N20_Ant1_High_2462


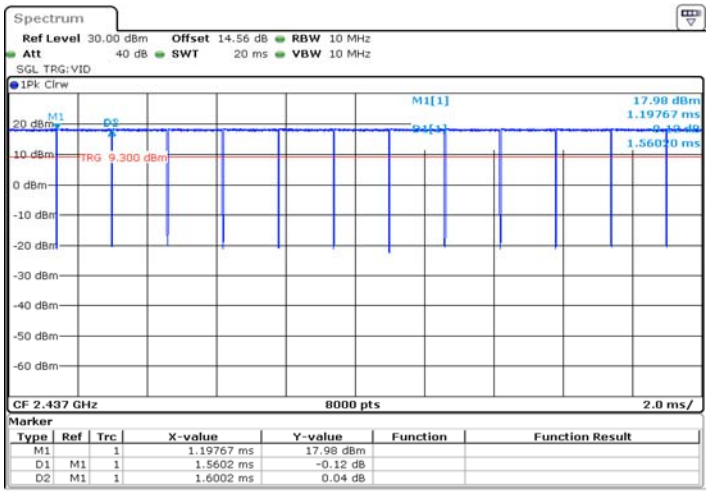
Item F: DutyCycle

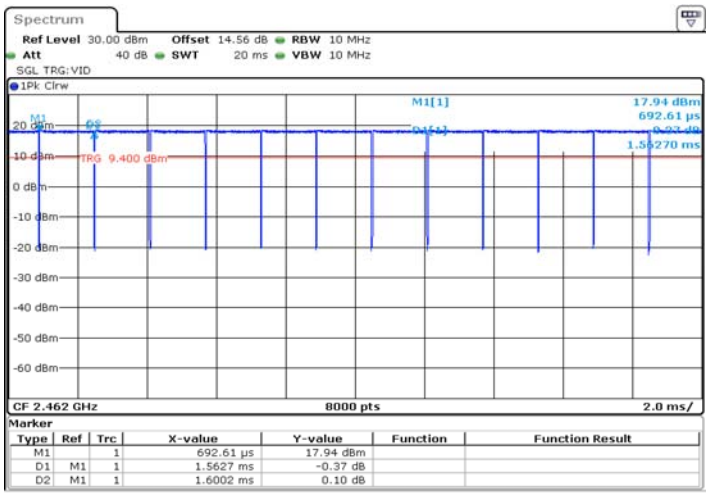
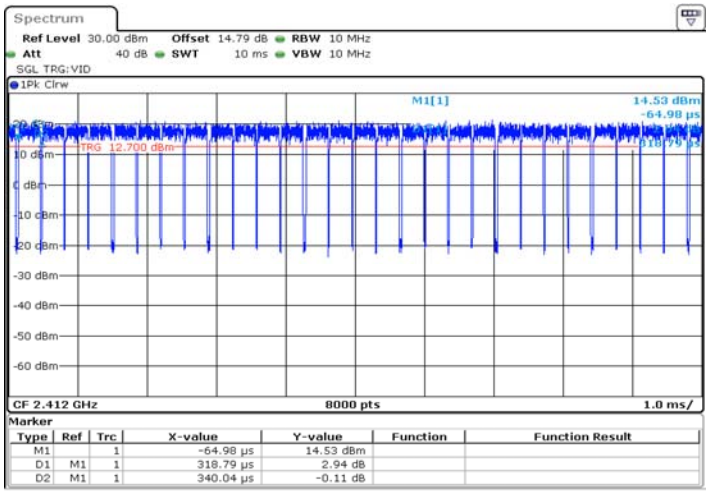
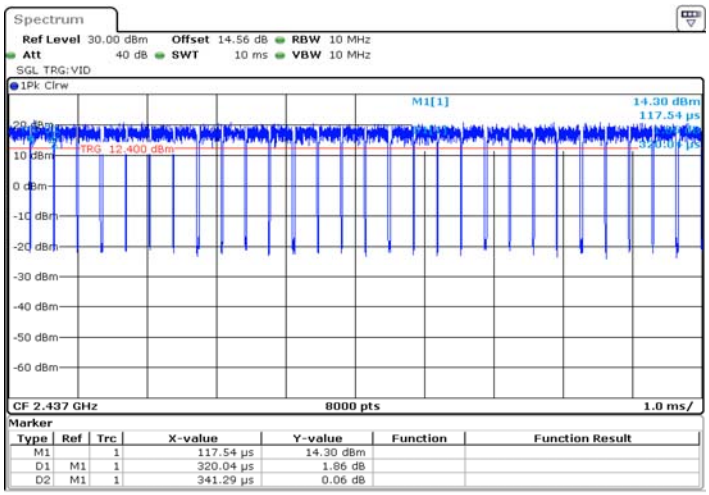
Test Result

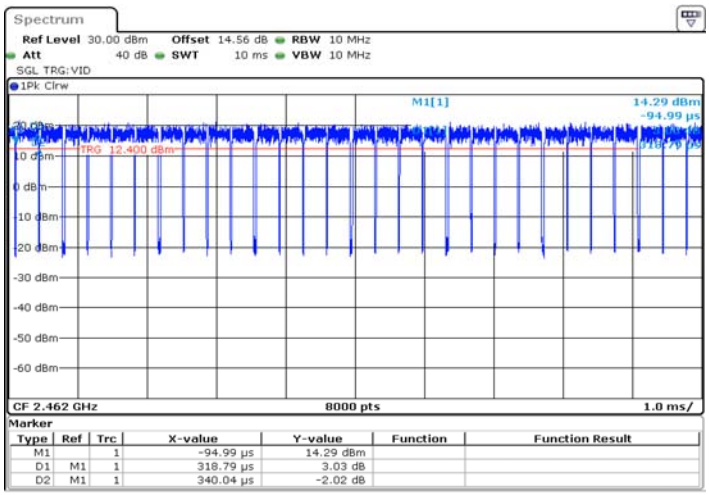
TestMode	Antenna	Channel	TransmissionDuration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	1.56	1.60	97.66
		2437	1.56	1.60	97.50
		2462	1.56	1.60	97.66
11G	Ant1	2412	0.32	0.34	93.75
		2437	0.32	0.34	93.77
		2462	0.32	0.34	93.75
11N20	Ant1	2412	0.28	0.31	93.03
		2437	0.28	0.31	93.03
		2462	0.28	0.31	93.03

Test Graphs

11B_Ant1_2412


11B_Ant1_2437


11B_Ant1_2462
 Date: 12.DEC.2019 20:03:37
11G_Ant1_2412
 Date: 12.DEC.2019 20:05:08
11G_Ant1_2437
 Date: 12.DEC.2019 20:06:37

11G_Ant1_2462
 Date: 12.DEC.2019 20:07:44
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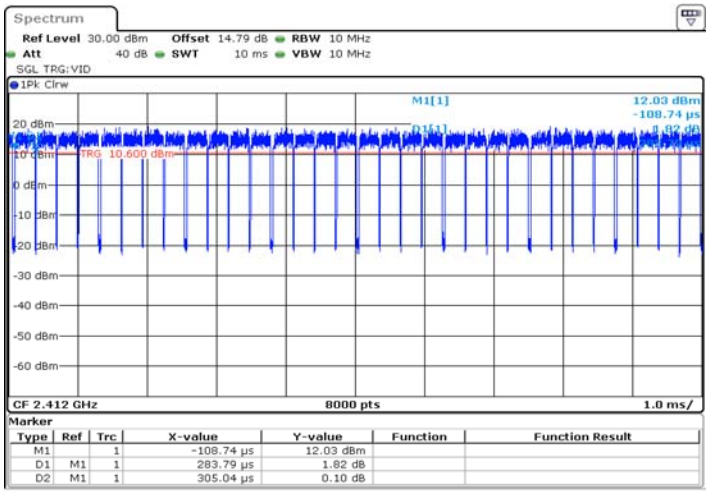 Date: 12.DEC.2019 20:09:03
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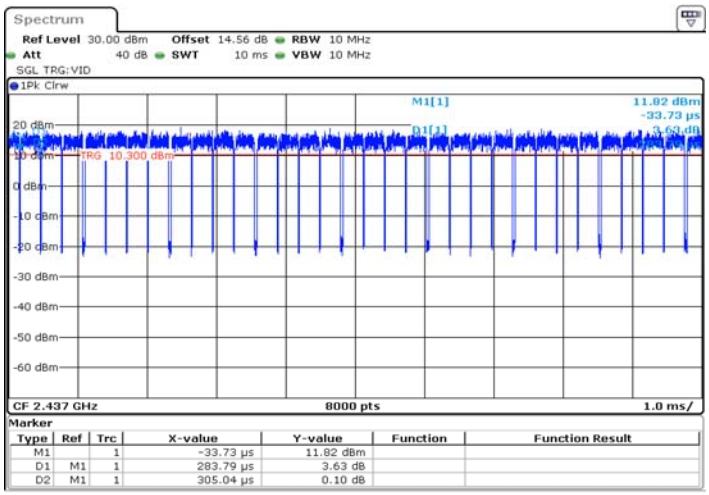
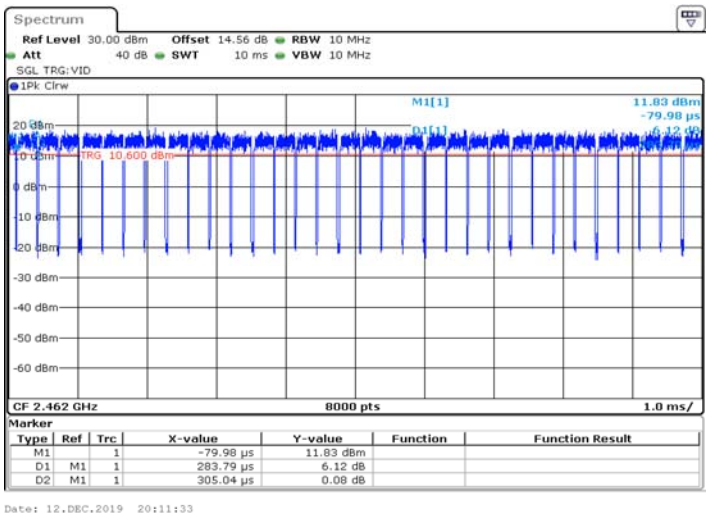
 Date: 12.DEC.2019 20:10:22

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