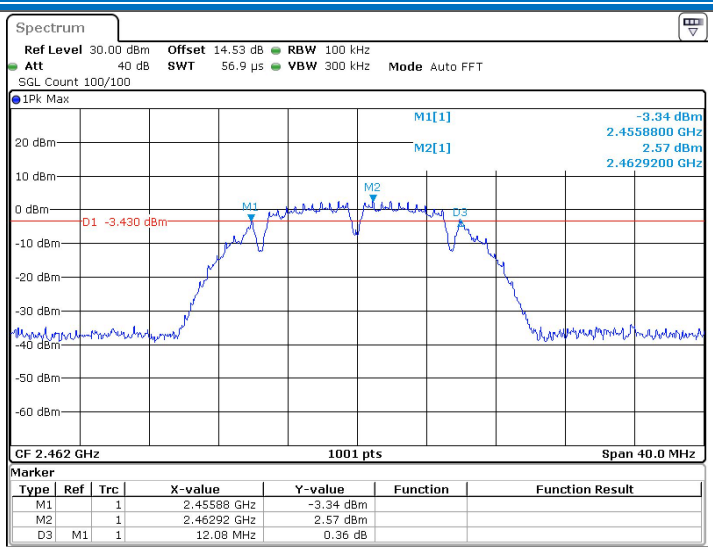
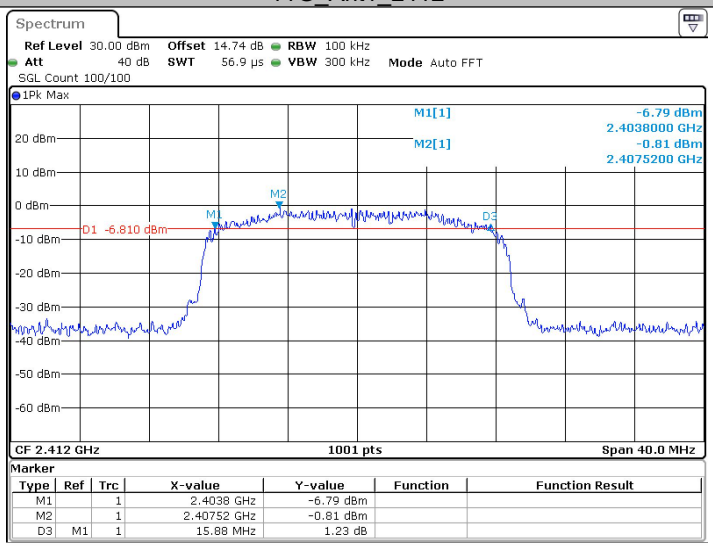


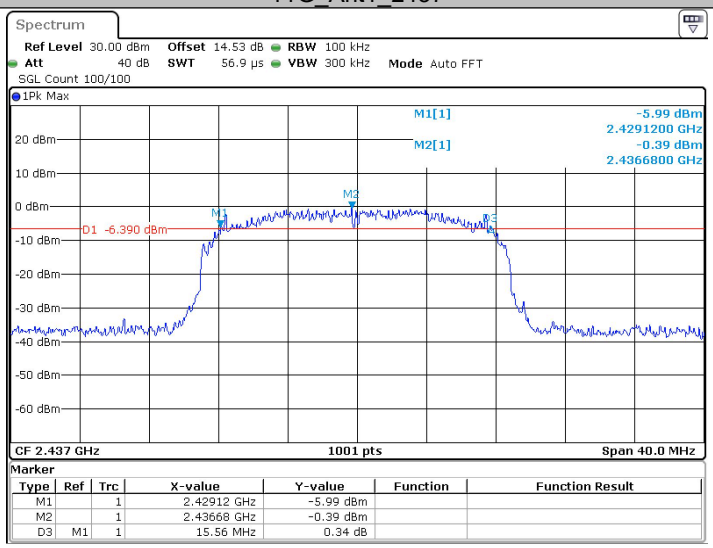
Date: 27.APR.2025 16:39:05

11G_Ant1_2412



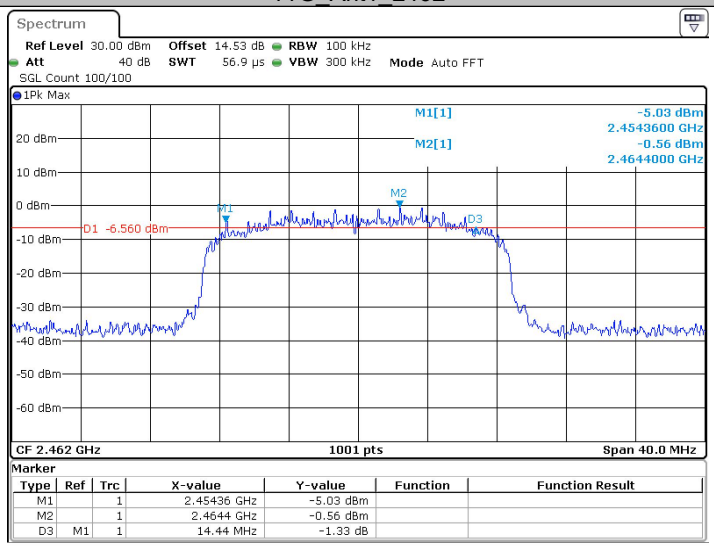
Date: 27.APR.2025 16:40:24

11G_Ant1_2437



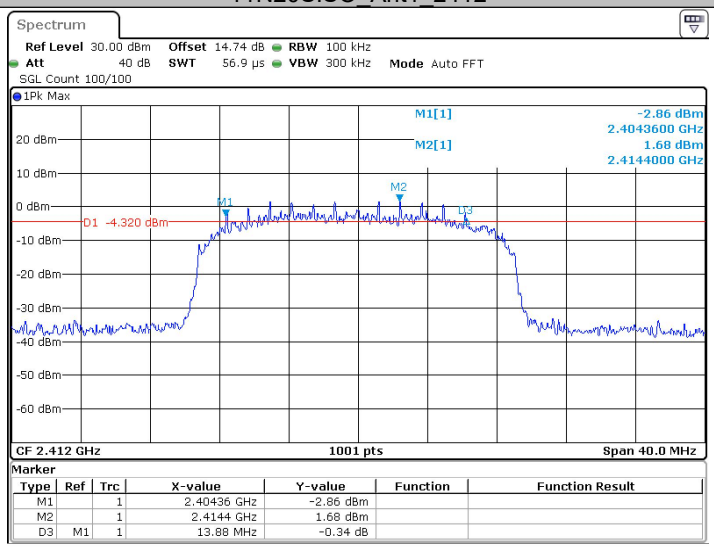
Date: 27.APR.2025 16:41:37

11G_Ant1_2462



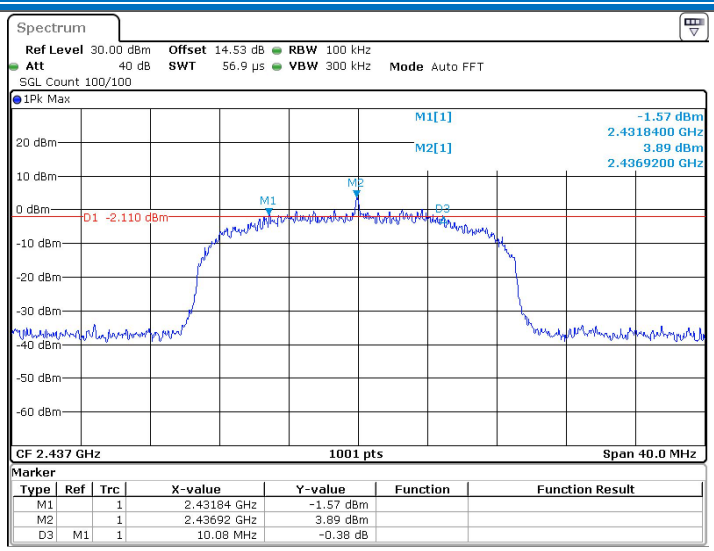
Date: 27.APR.2025 16:43:13

11N20SISO_Ant1_2412



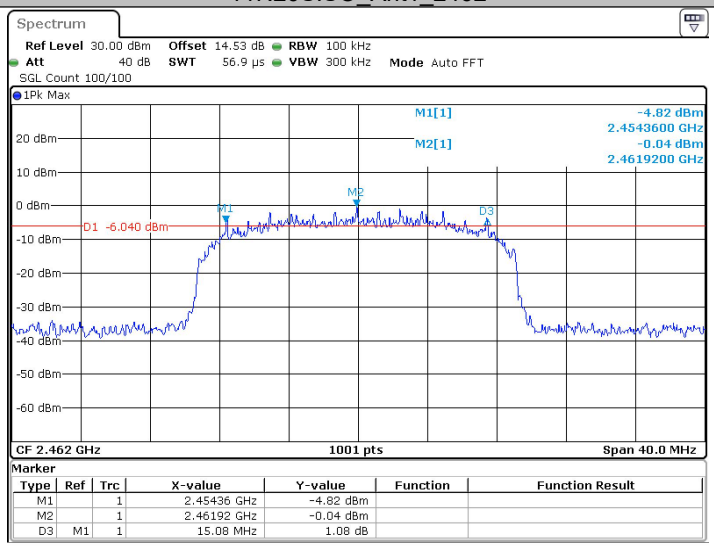
Date: 27.APR.2025 16:44:41

11N20SISO_Ant1_2437



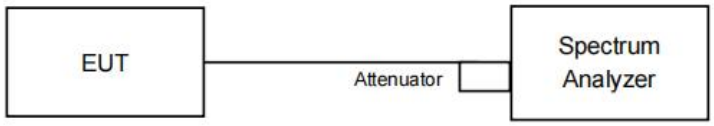
Date: 27.APR.2025 16:45:55

11N20SISO_Ant1_2462



Date: 27.APR.2025 16:47:13

5.6 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	≤8.00dBm/3kHz
Test Results:	Pass

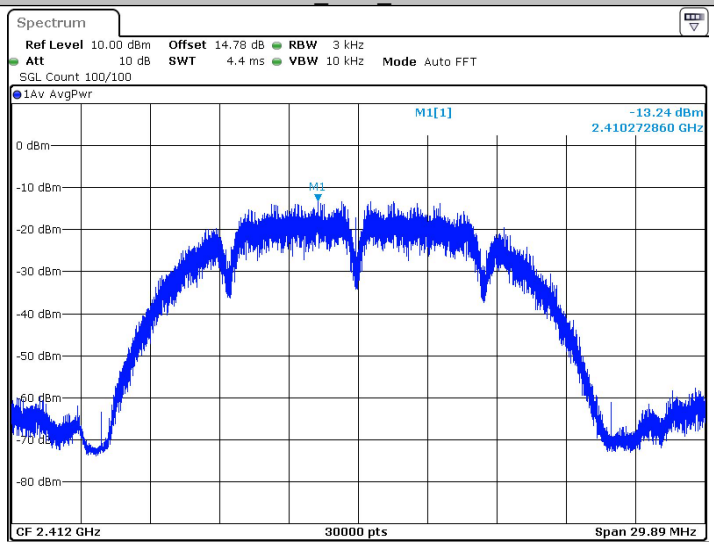
Test Result

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-13.24	≤8.00	PASS
	2437	-12.52	≤8.00	PASS
	2462	-15.23	≤8.00	PASS
11G	2412	-11.40	≤8.00	PASS
	2437	-10.95	≤8.00	PASS
	2462	-14.10	≤8.00	PASS
11N20SISO	2412	-12.09	≤8.00	PASS
	2437	-11.35	≤8.00	PASS
	2462	-13.64	≤8.00	PASS

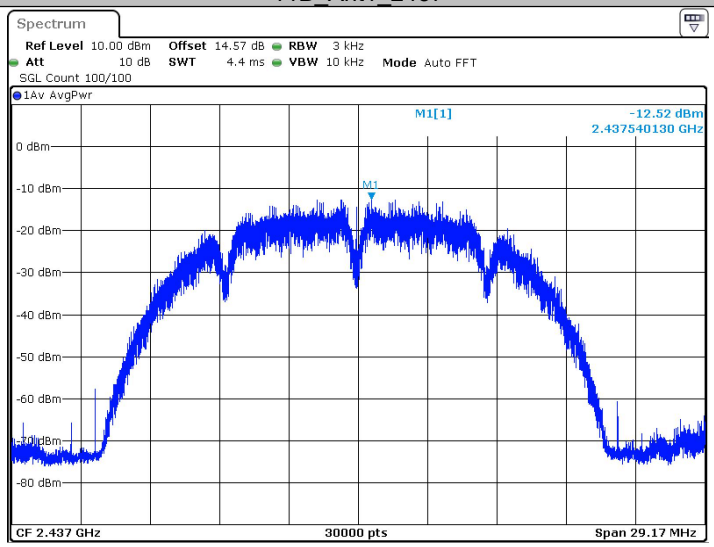
Note: Duty cycle correction factor details please see section 4.4.
When Duty cycle >98%, D.C.F is not required.

Test Graphs

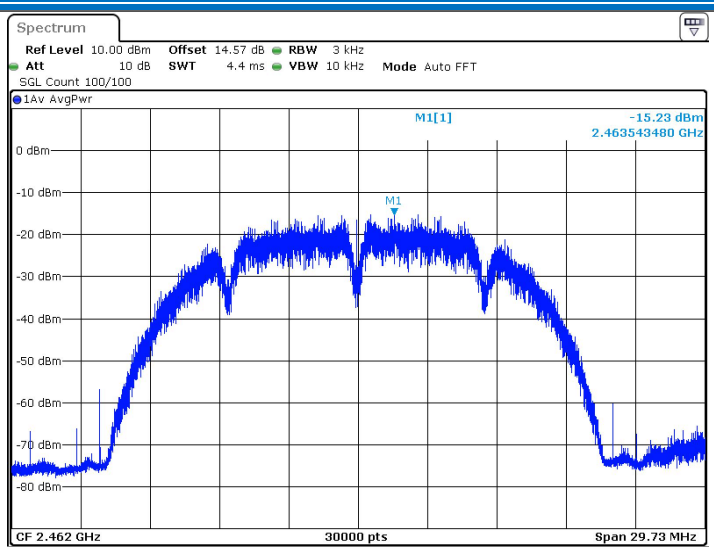
11B_Ant1_2412



11B_Ant1_2437

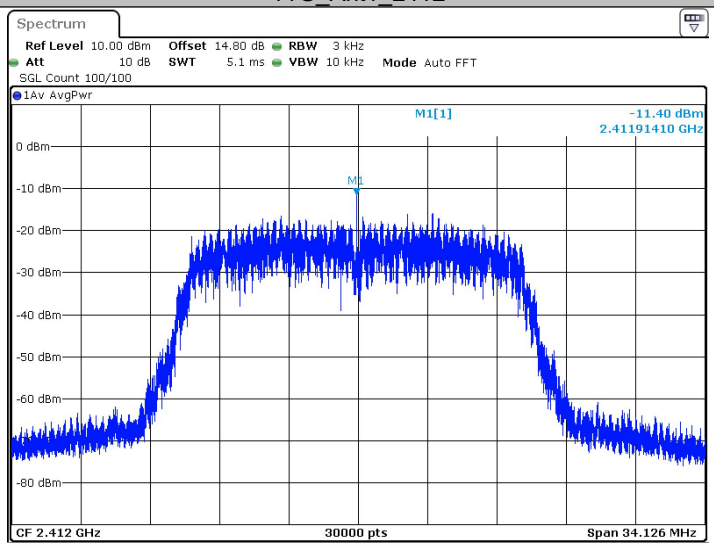


11B_Ant1_2462



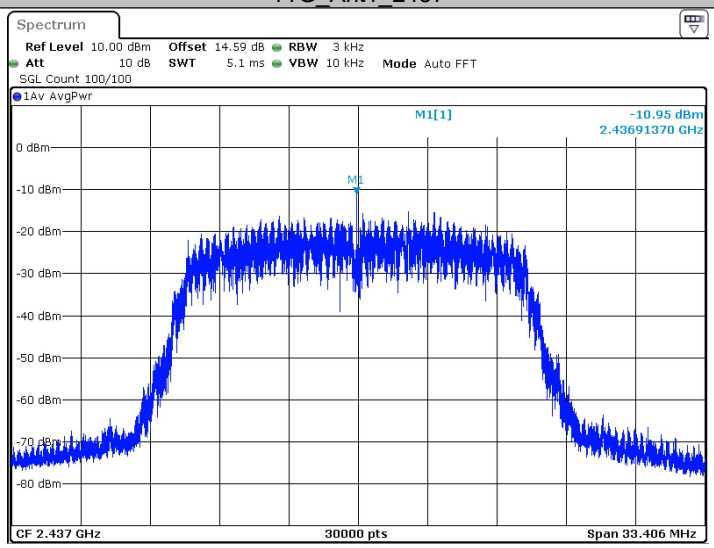
Date: 27.APR.2025 16:39:23

11G_Ant1_2412



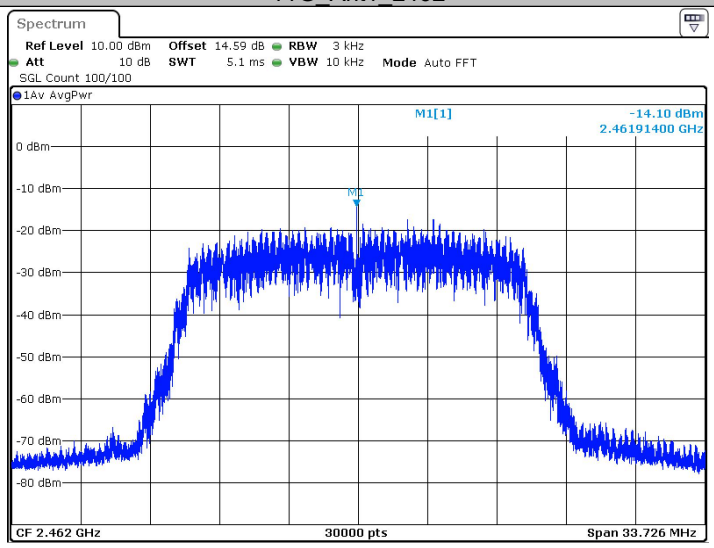
Date: 27.APR.2025 16:40:43

11G_Ant1_2437



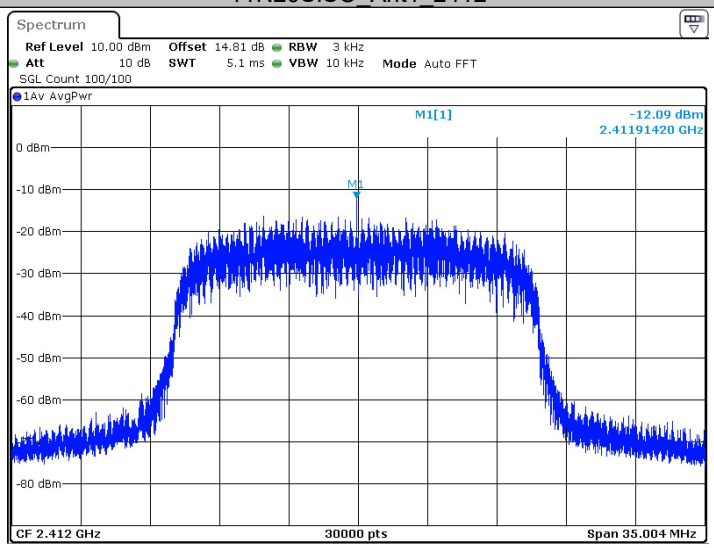
Date: 27.APR.2025 16:41:56

11G_Ant1_2462



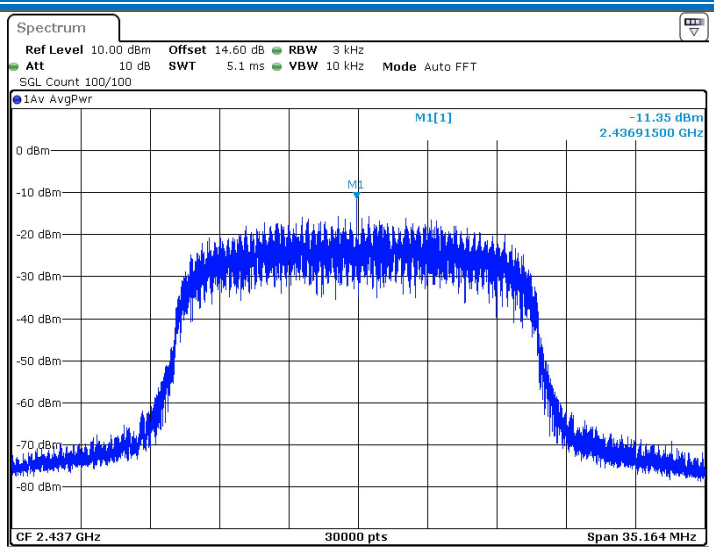
Date: 27.APR.2025 16:43:31

11N20SISO_Ant1_2412

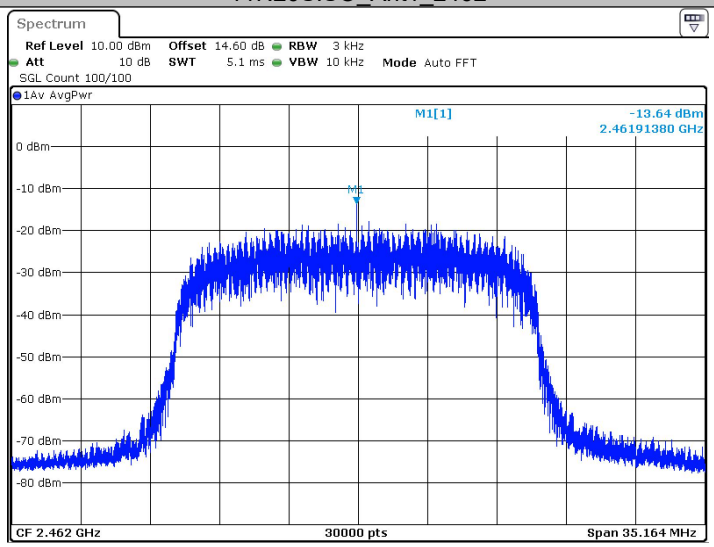


Date: 27.APR.2025 16:45:00

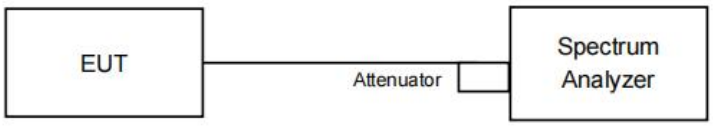
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



5.7 Band-edge for RF Conducted Emissions

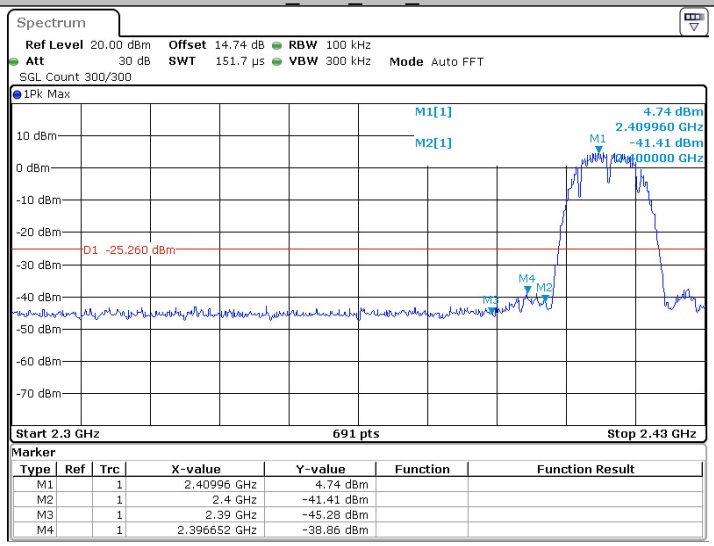
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

Test Result

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	4.74	-38.86	≤-25.26	PASS
	High	2462	2.57	-41.75	≤-27.43	PASS
11G	Low	2412	1.40	-41.27	≤-28.6	PASS
	High	2462	-0.46	-41.03	≤-30.46	PASS
11N20SISO	Low	2412	1.67	-39.78	≤-28.33	PASS
	High	2462	1.24	-41.24	≤-28.76	PASS

5.7.1 Test Graphs

11B_Ant1_Low_2412

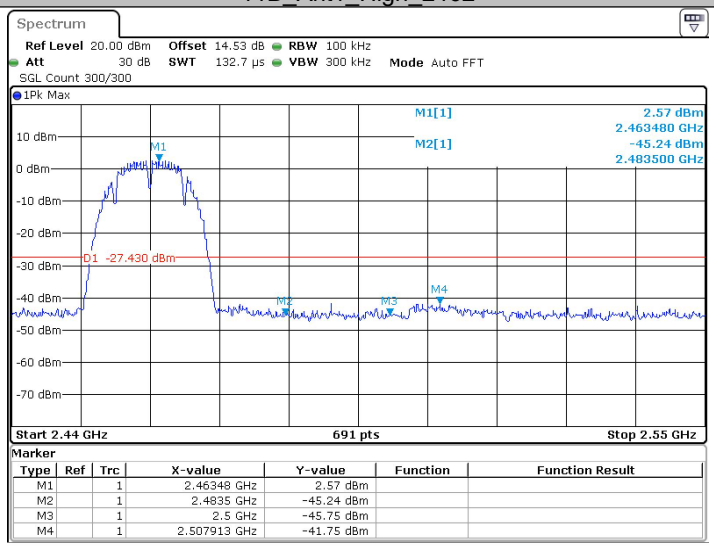


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40996 GHz	4.74 dBm		
M2		1	2.4 GHz	-41.41 dBm		
M3		1	2.39 GHz	-45.28 dBm		
M4		1	2.396652 GHz	-38.86 dBm		

Date: 27.APR.2025 16:35:59

11B_Ant1_High_2462

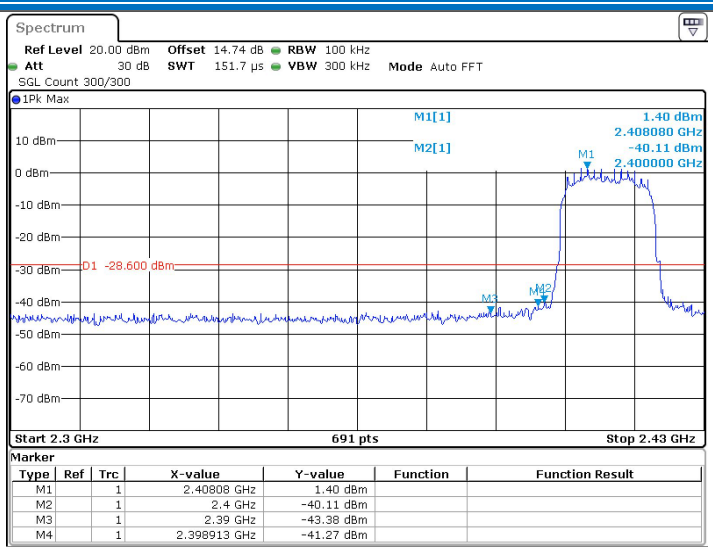


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46348 GHz	2.57 dBm		
M2		1	2.4835 GHz	-45.24 dBm		
M3		1	2.5 GHz	-45.75 dBm		
M4		1	2.507913 GHz	-41.75 dBm		

Date: 27.APR.2025 16:39:31

11G_Ant1_Low_2412

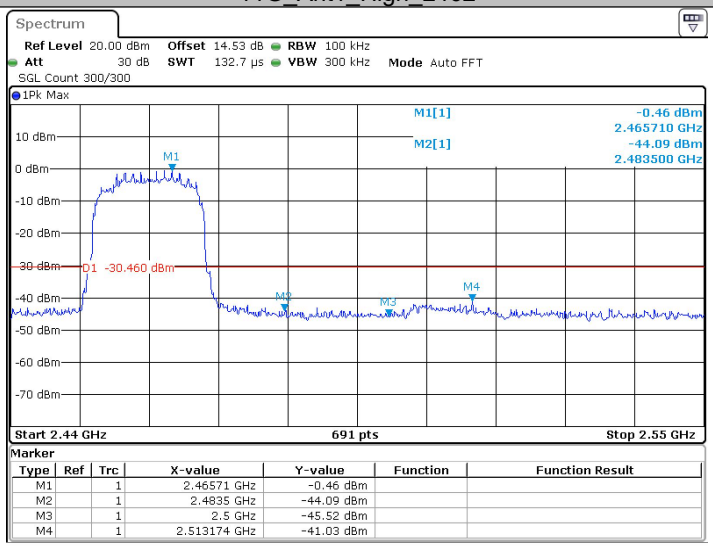


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40808 GHz	1.40 dBm		
M2		1	2.4 GHz	-40.11 dBm		
M3		1	2.39 GHz	-43.38 dBm		
M4		1	2.398913 GHz	-41.27 dBm		

Date: 27.APR.2025 16:40:51

11G_Ant1_High_2462

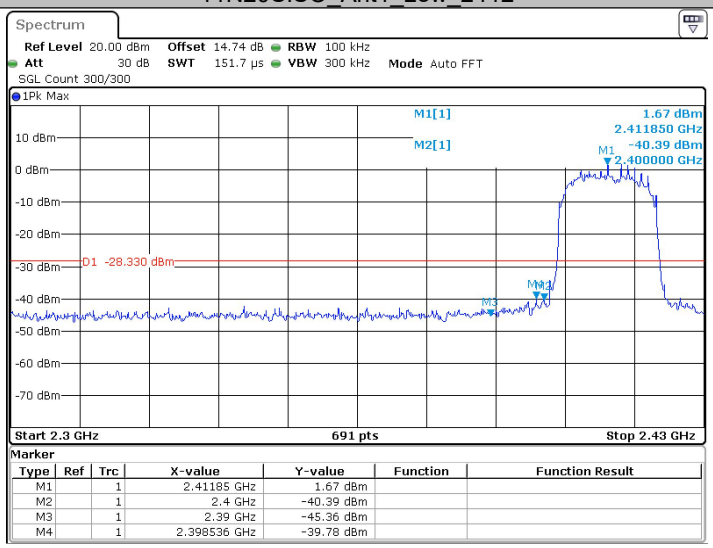


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46571 GHz	-0.46 dBm		
M2		1	2.4835 GHz	-44.09 dBm		
M3		1	2.5 GHz	-45.52 dBm		
M4		1	2.513174 GHz	-41.03 dBm		

Date: 27.APR.2025 16:43:39

11N20SISO_Ant1_Low_2412

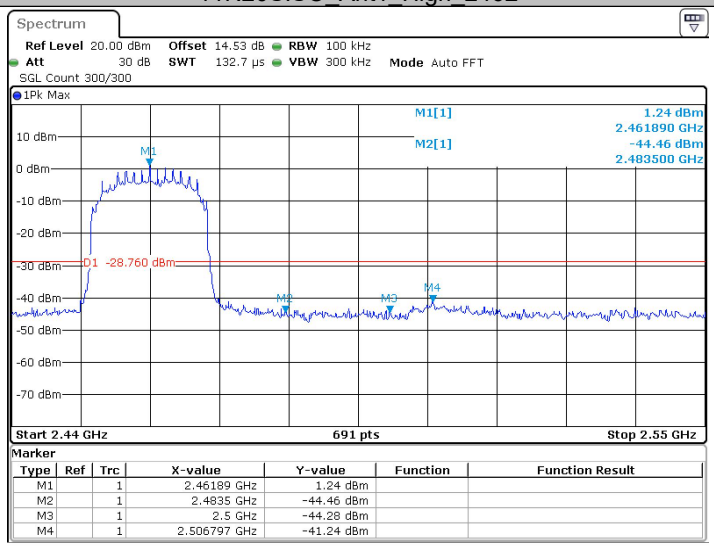


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41185 GHz	1.67 dBm		
M2		1	2.4 GHz	-40.39 dBm		
M3		1	2.39 GHz	-45.36 dBm		
M4		1	2.398536 GHz	-39.78 dBm		

Date: 27.APR.2025 16:45:08

11N20SISO_Ant1_High_2462

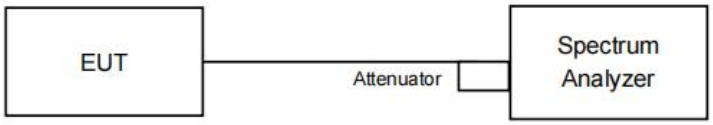


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46189 GHz	1.24 dBm		
M2		1	2.4835 GHz	-44.46 dBm		
M3		1	2.5 GHz	-44.28 dBm		
M4		1	2.506797 GHz	-41.24 dBm		

Date: 27.APR.2025 16:47:39

5.8 RF Conducted Spurious Emissions

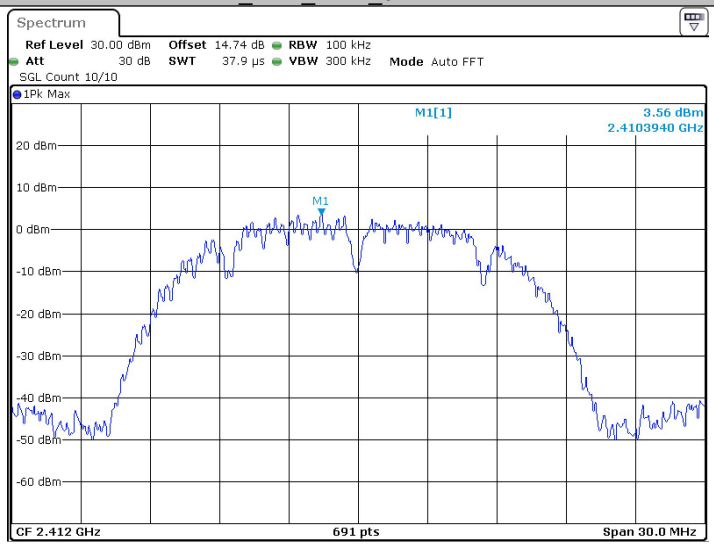
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

Test Result

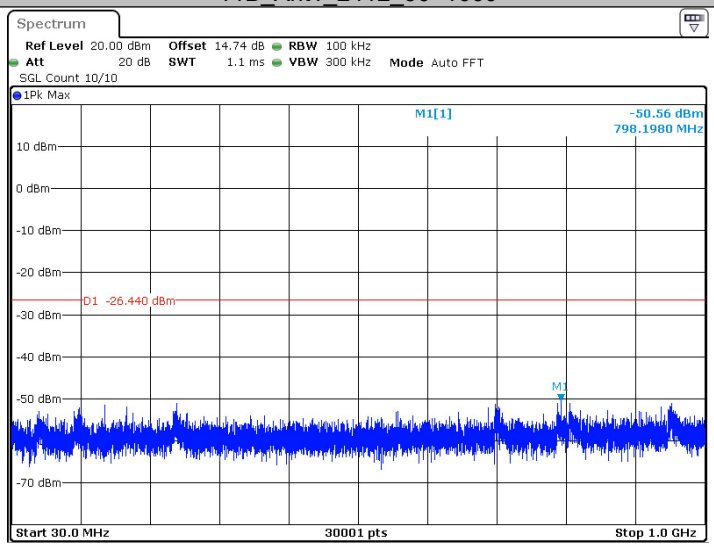
TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	3.56	3.56	---	PASS
		30~1000	3.56	-50.56	≤-26.44	PASS
		1000~26500	3.56	-45.53	≤-26.44	PASS
	2437	Reference	4.81	4.81	---	PASS
		30~1000	4.81	-52.04	≤-25.19	PASS
		1000~26500	4.81	-46.05	≤-25.19	PASS
	2462	Reference	2.66	2.66	---	PASS
		30~1000	2.66	-50.61	≤-27.34	PASS
		1000~26500	2.66	-45.77	≤-27.34	PASS
11G	2412	Reference	-1.77	-1.77	---	PASS
		30~1000	-1.77	-51.17	≤-31.77	PASS
		1000~26500	-1.77	-46.1	≤-31.77	PASS
	2437	Reference	-0.61	-0.61	---	PASS
		30~1000	-0.61	-49.62	≤-30.61	PASS
		1000~26500	-0.61	-46.95	≤-30.61	PASS
	2462	Reference	-3.35	-3.35	---	PASS
		30~1000	-3.35	-50.44	≤-33.35	PASS
		1000~26500	-3.35	-47.75	≤-33.35	PASS
11N20SISO	2412	Reference	-2.23	-2.23	---	PASS
		30~1000	-2.23	-51.44	≤-32.23	PASS
		1000~26500	-2.23	-47.21	≤-32.23	PASS
	2437	Reference	-0.73	-0.73	---	PASS
		30~1000	-0.73	-50.92	≤-30.73	PASS
		1000~26500	-0.73	-47.73	≤-30.73	PASS
	2462	Reference	-3.68	-3.68	---	PASS
		30~1000	-3.68	-50.64	≤-33.68	PASS
		1000~26500	-3.68	-47.31	≤-33.68	PASS

Test Graphs

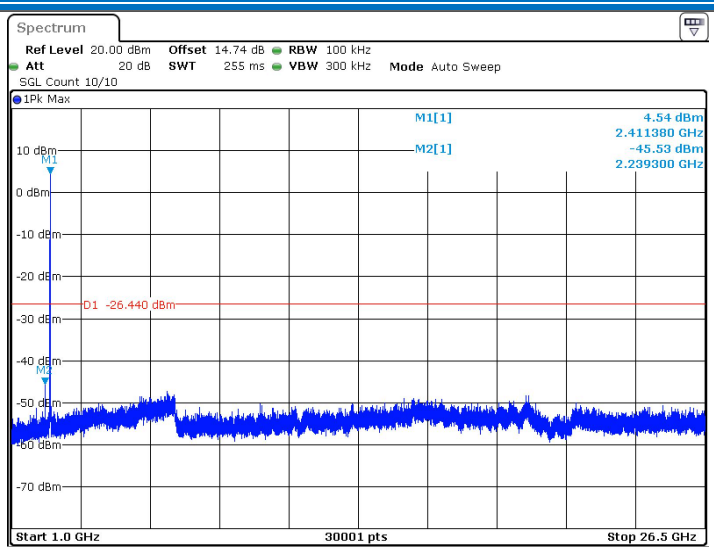
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000

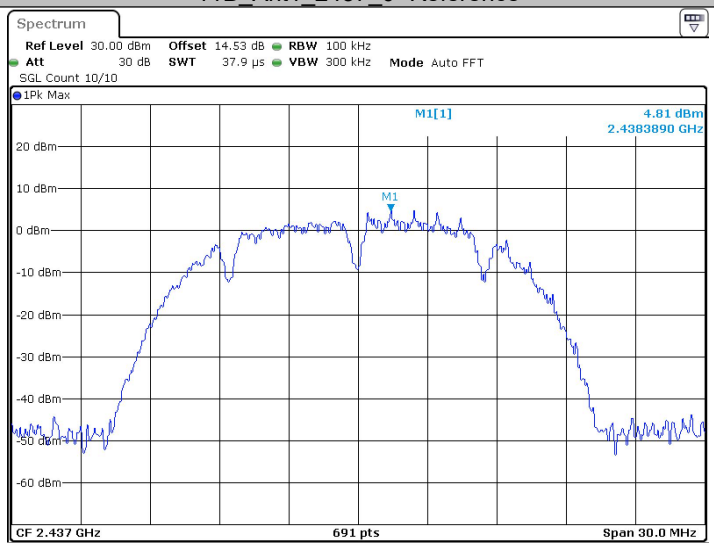


11B_Ant1_2412_1000~26500



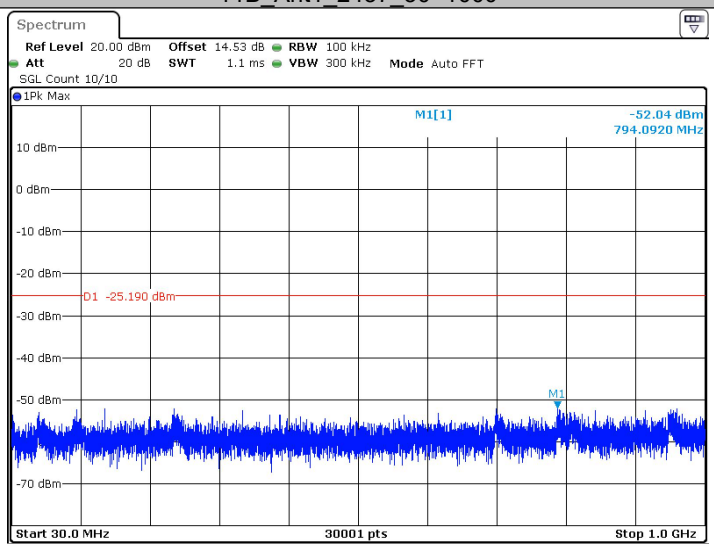
Date: 27.APR.2025 16:36:18

11B_Ant1_2437_0~Reference



Date: 27.APR.2025 16:37:20

11B_Ant1_2437_30~1000



Date: 27.APR.2025 16:37:24