



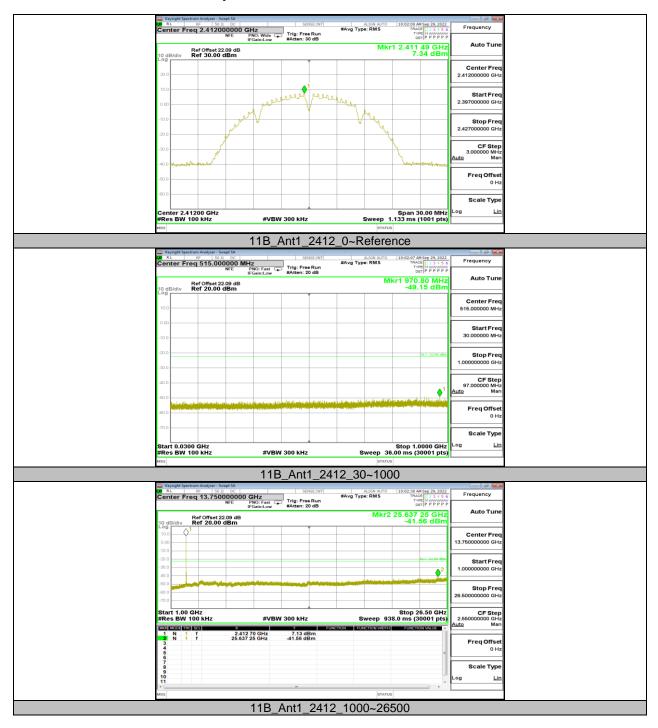
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.34		PASS
			30~1000	-49.15	≤-22.66	PASS
			1000~26500	-41.56	≤-22.66	PASS
		2437	Reference	6.95		PASS
			30~1000	-49.76	≤-23.05	PASS
			1000~26500	-41.76	≤-23.05	PASS
		2462	Reference	6.68		PASS
			30~1000	-49.21	≤-23.32	PASS
			1000~26500	-40.81	≤-23.32	PASS
			Reference	-3.01		PASS
	Ant1	2412	30~1000	-49.77	≤-33.01	PASS
			1000~26500	-41.52	≤-33.01	PASS
			Reference	-3.19		PASS
11G		2437	30~1000	-49.02	≤-33.19	PASS
			1000~26500	-41.64	≤-33.19	PASS
		2462	Reference	-3.55		PASS
			30~1000	-49.22	≤-33.55	PASS
			1000~26500	-41.59	≤-33.55	PASS
11N20SISO	Ant1	2412	Reference	-2.47		PASS
			30~1000	-50.37	≤-32.47	PASS
			1000~26500	-41.63	≤-32.47	PASS
		2437	Reference	-2.88		PASS
			30~1000	-50.03	≤-32.88	PASS
			1000~26500	-41.37	≤-32.88	PASS
		2462	Reference	-3.12		PASS
			30~1000	-49.64	≤-33.12	PASS
			1000~26500	-41.67	≤-33.12	PASS

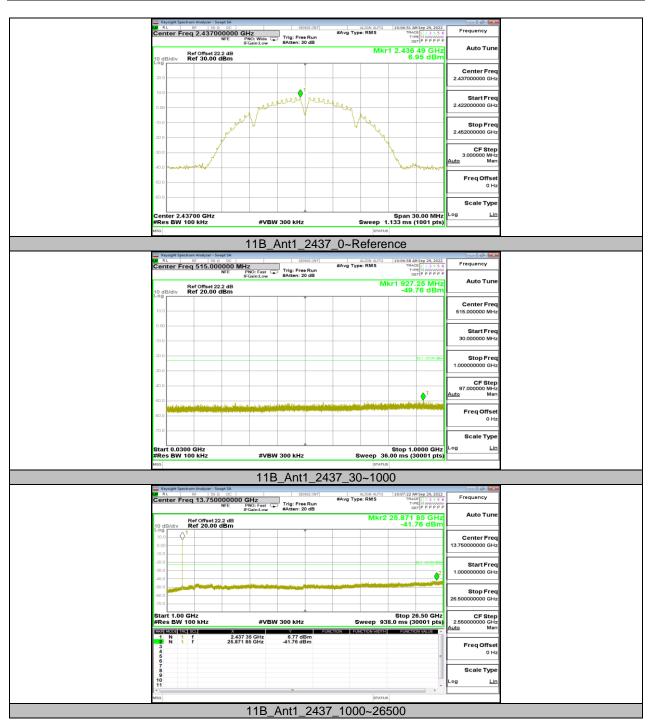


11.6.2. Test Graphs

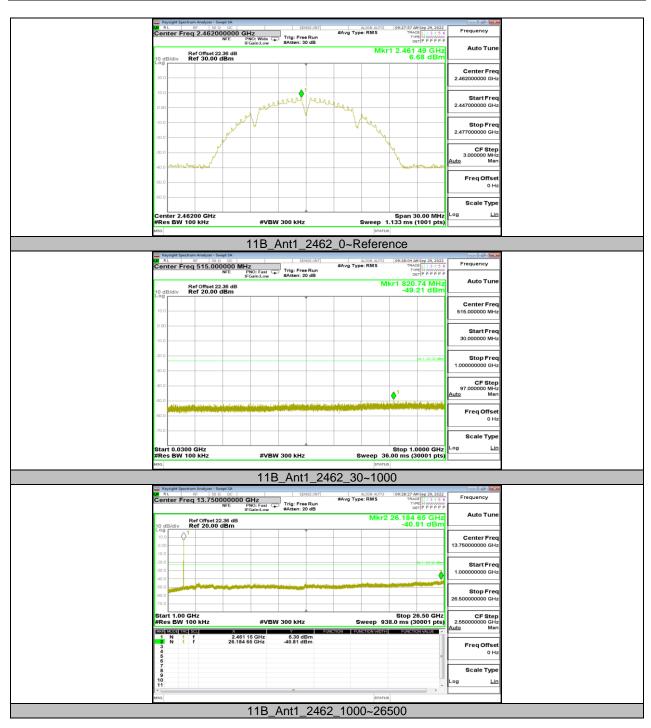


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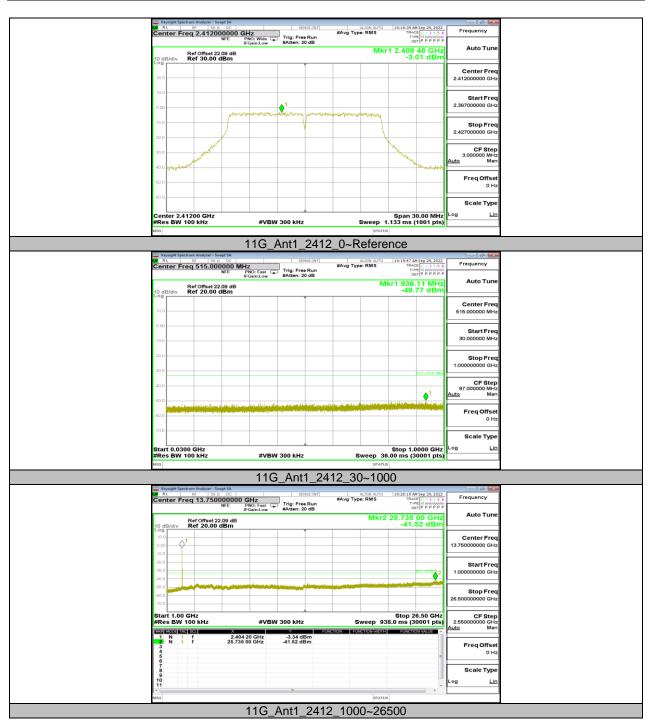




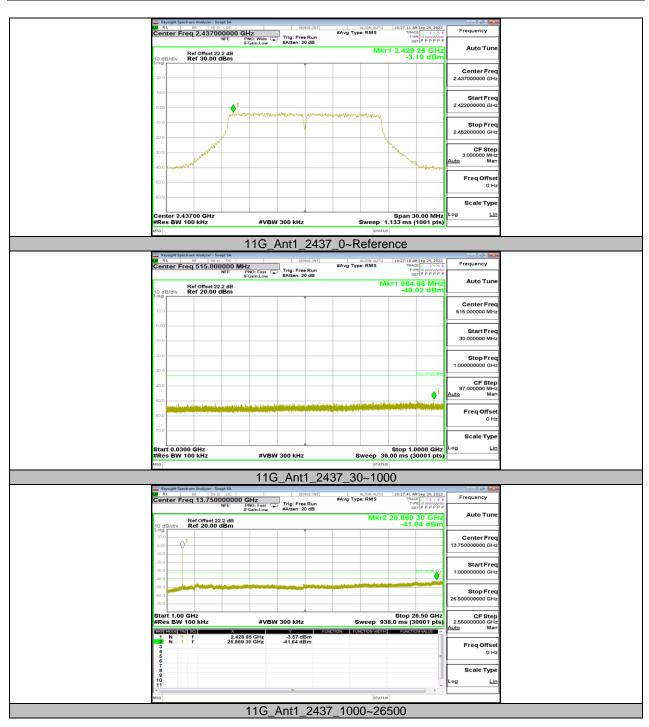




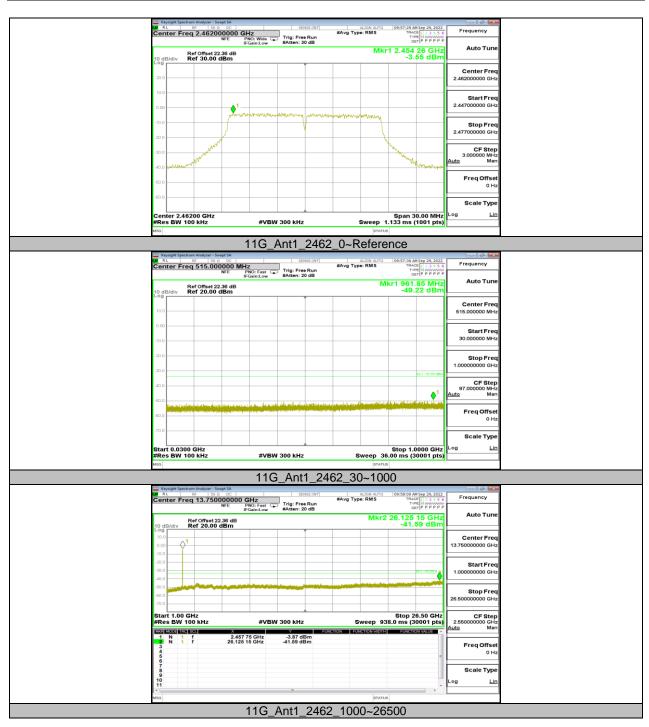




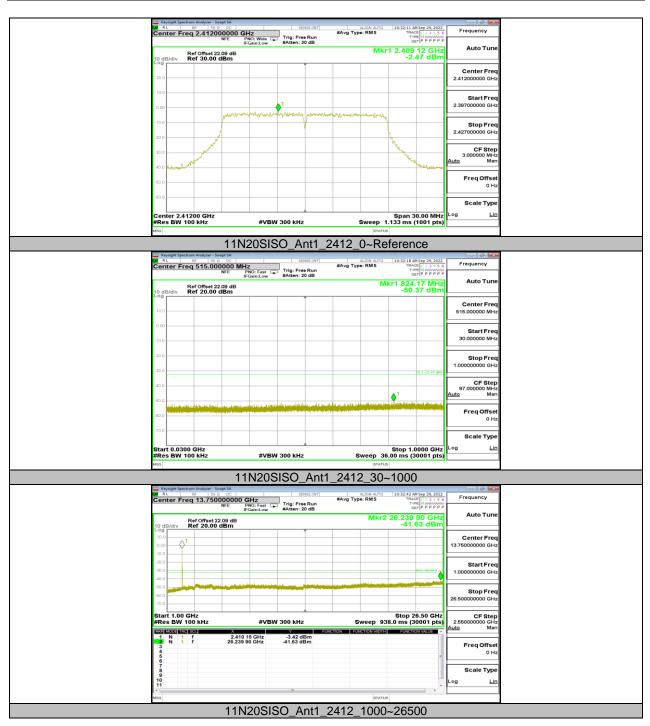




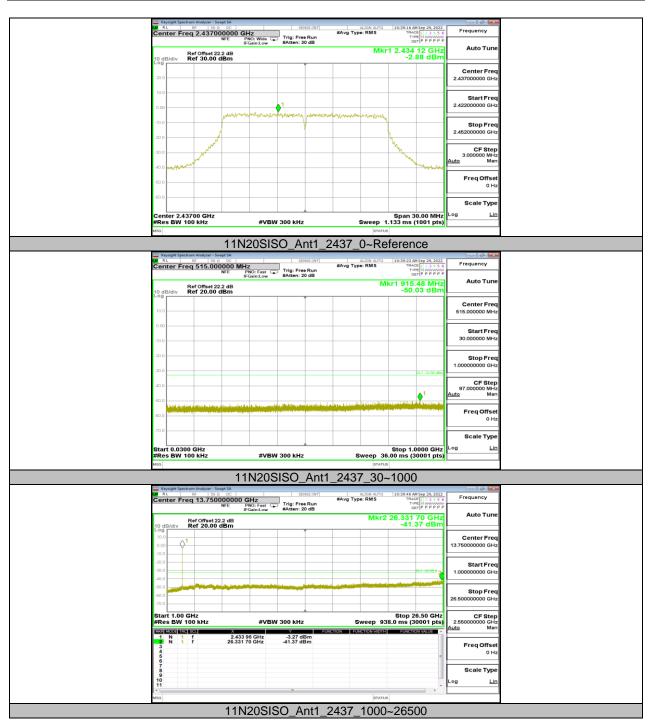




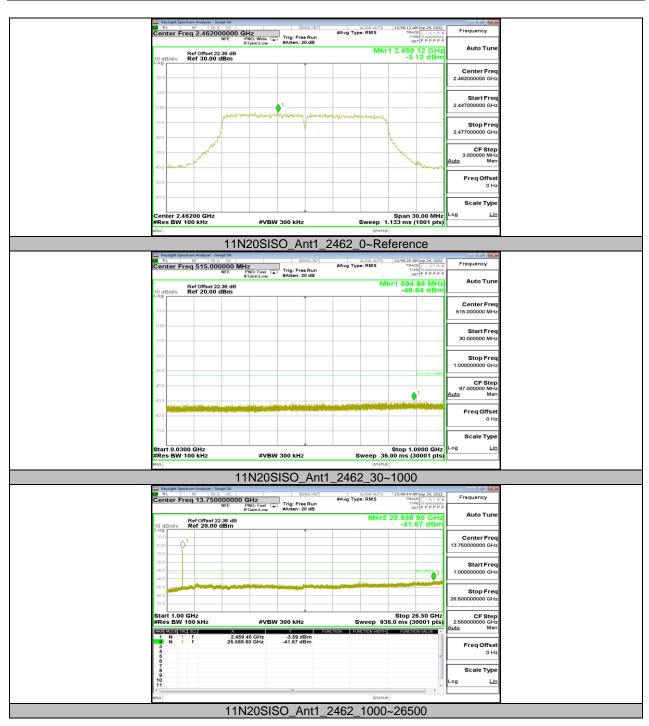














11.7. APPENDIX G: DUTY CYCLE 11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	100	100	1.0000	100.00	0.00	0.01	0.01
11G	100	100	1.0000	100.00	0.00	0.01	0.01
11N20SISO	100	100	1.0000	100.00	0.00	0.01	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



11.7.2. Test Graphs

Maddat from the base from the	
Keysight Spectrum Analyzer - Swept SA SENSE::INT ALIGN AUTO 08:44:40 AM Sep 29, 2022 N R.L RF 50.0 DC 200.0 42.00 200.0	Frequency
RL M Stretcht Allson aufo Deste 22, 2022 Center Freq 2.412000000 CHz MFE Trig Delay:000 us SAvg Type: RMS Trace 12, 23, 40 MFE PRO/ Fast ** Trig: Video SAvg Type: RMS Trace 12, 24, 200 MFE PRO/ Fast ** Trig: Video SAvg Type: RMS Trace 12, 24, 30	
	Auto Tune
Ref Offset 22.09 dB 10 dB/div Ref 35.00 dBm	
25.0	Center Freq
16.0	2.412000000 GHz
5.00 TRIO LVL	Start Freq
-15.0	2.412000000 GHz
-25.0	
45.0	Stop Freq
-65.0	2.412000000 GHz
Center 2.412000000 GHz Span 0 Hz	CF Step
Res BW 8 MHz #VBW 8.0 MHz Sweep 100.3 ms (8000 pts)	8.000000 MHz Auto Man
MORE MODE TRC SCL X Y FUNCTION WOTH FUNCTION VALUE A	
2 3	Freq Offset
4 5 6 7	0 Hz
8	Scale Type
9 10 11	Log Lin
e	
 MSG STATUS	
11B_Ant1_2412	
m Keyright Spectrum Analyzer - Sugert CA	
	Frequency
	Auto Tune
Ref Offset 22.09 dB 10 dB/div Ref 35.00 dBm	
	Center Freq
	Center Freq 2.41200000 GHz
5.00 TROLVI.	
-5.00	Start Freq
-16.0	2.412000000 GHz
36.0	Stop Frog
-45.0	Stop Freq 2.41200000 GHz
-55.0	
Center 2.412000000 GHz Span 0 Hz Res BW 8 MHz #VBW 8.0 MHz Sweep 100.3 ms (8000 pts)	CF Step 8.000000 MHz
MRR MODE TRC SCL X Y FUNCTION FUNCTION WOTH FUNCTION VALUE A	Auto Man
2	Freq Offset
3 4 6	0 Hz
6 7	
8	Scale Type
9 10 11	Log Lin
MSG STATUS	
11G_Ant1_2412	
Keysight Spectrum Avalyzer - Swept SA SENSE:INT ALIGN AUTO 10:29:28 AM Sep 29, 2022 R RL RF 50 G DC SENSE:INT ALIGN AUTO 10:29:28 AM Sep 29, 2022 Center Freg 2.412000000 GHz Trig Delay-200.0 µs #Avg Type: RMS TRACE[1]:3.4.5 6	Frequency
RL IP So 0 DC StretCitr(T) ALIGN AutO 10:29:24 Mages 22, 2022 Center Freq 2.412000000 CHz MFE Trig Delay-200 us SAvg Type: RMS Trace [1:2:1:62 Trace [1:2:1:62 MFE PRO/Fast Trig: Video SAter: 40 dB Trace [1:2:1:62 Trace [1:2:1:62	
	Auto Tune
Ref Offset 22.09 dB 10 dB/div Ref 35.00 dBm	
25.0	Center Freq
	2.412000000 GHz
-5.00 THOLVL	Start Freq
-15.0	2.412000000 GHz
-250 	
45.0	Stop Freq
	2.412000000 GHz
Center 2.412000000 GHz Span 0 Hz Spae 0 Hz Res BW 8 MHz #VBW 8.0 MHz Sweep 100.3 ms (8000 pts)	CF Step 8.00000 MHz
	8.000000 MHz Auto Man
MRR MODE TRC SCL X Y FUNCTION MIDTH FUNCTION VALUE A	
2 3 4	FreqOffset
5	0 Hz
7 8	Scale Type
3 4 6 7 7 8 9 9 10	Log Lin
e	
MSG STATUS	
11N20SISO_Ant1_2412	

END OF REPORT

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