APPENDIX_ ANT0

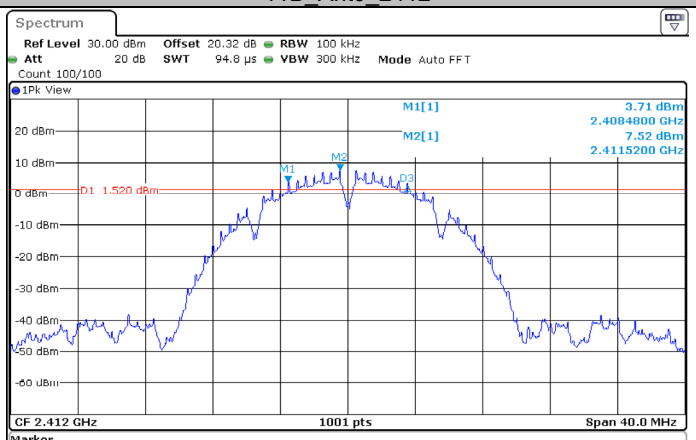
Appendix A: DTS Bandwidth

Test Result

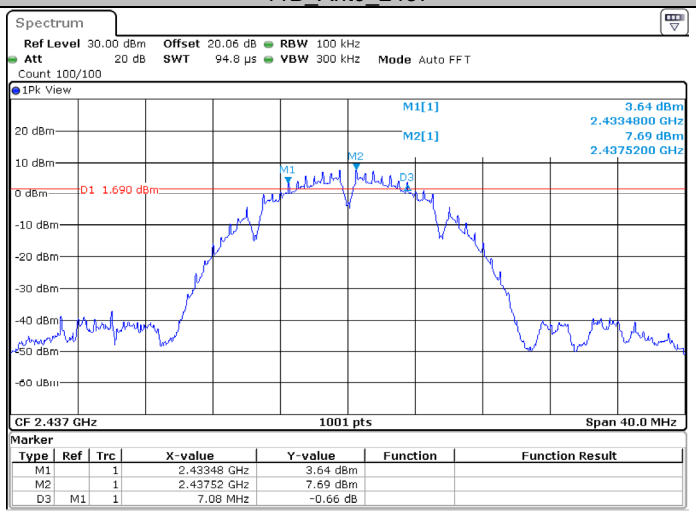
Test Mode	Antenna	Freq.[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	7.08	0.5	PASS
		2437	7.08	0.5	PASS
		2462	7.08	0.5	PASS
11G	Ant0	2412	14.84	0.5	PASS
		2437	15.68	0.5	PASS
		2462	15.16	0.5	PASS
11N20SISO	Ant0	2412	15.12	0.5	PASS
		2437	15.32	0.5	PASS
		2462	15.08	0.5	PASS
11N40SISO	Ant0	2422	35.12	0.5	PASS
		2437	35.12	0.5	PASS
		2452	35.12	0.5	PASS

Test Graphs

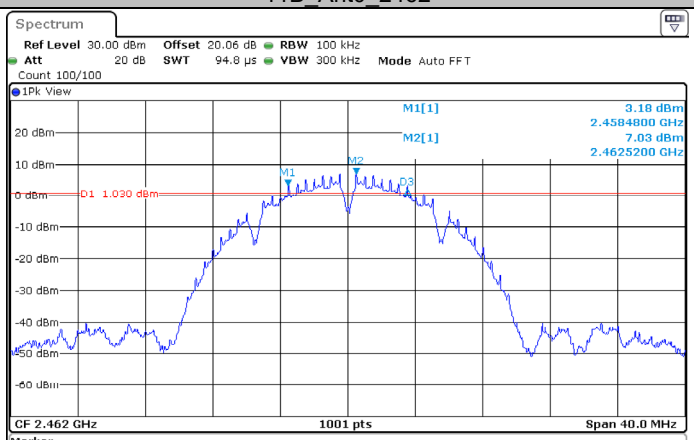
11B_Ant0_2412



11B_Ant0_2437



11B_Ant0_2462

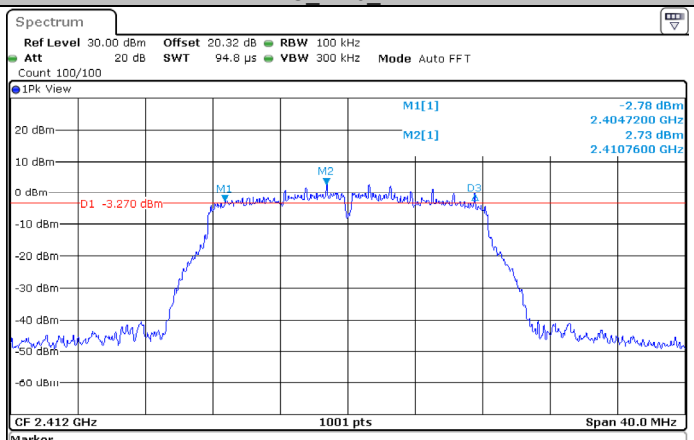


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45848 GHz	3.18 dBm		
M2		1	2.46252 GHz	7.03 dBm		
D3	M1	1	7.08 MHz	-1.00 dB		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:32:31

11G_Ant0_2412

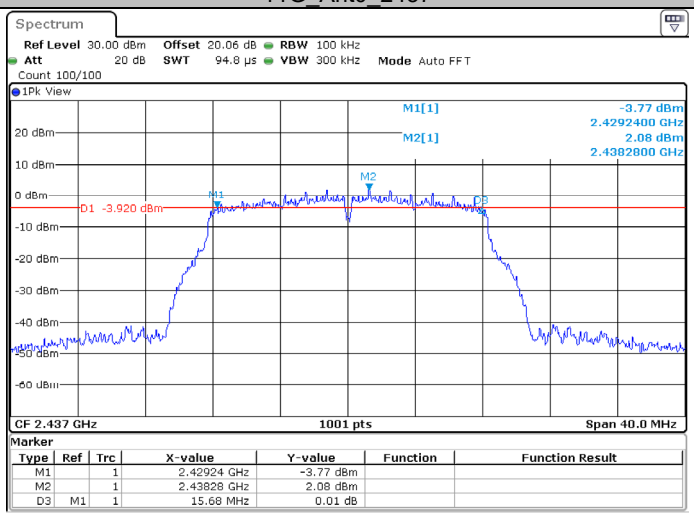


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40472 GHz	-2.78 dBm		
M2		1	2.41076 GHz	2.73 dBm		
D3	M1	1	14.84 MHz	2.01 dB		

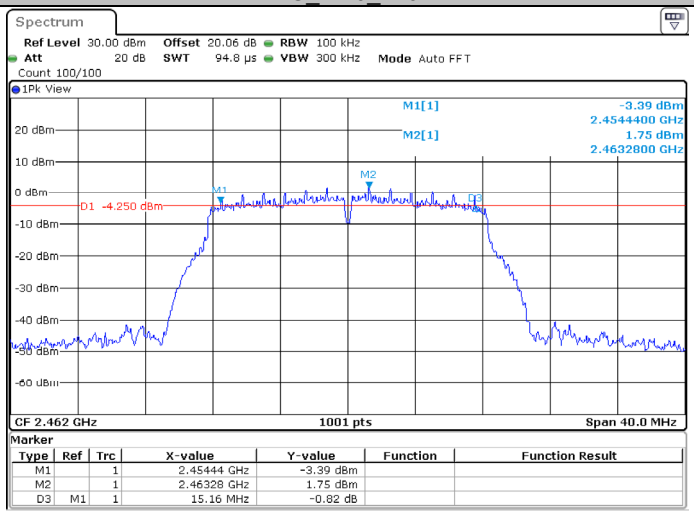
ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:34:11

11G_Ant0_2437



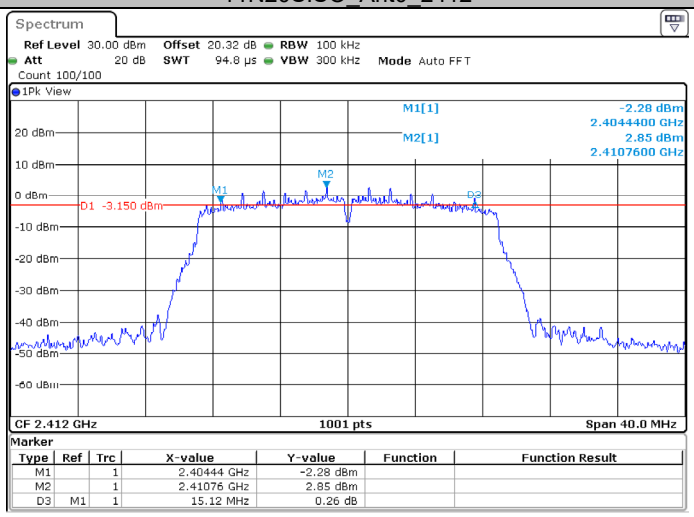
ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:39:32

11G_Ant0_2462



ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:37:07

11N20SISO_Ant0_2412



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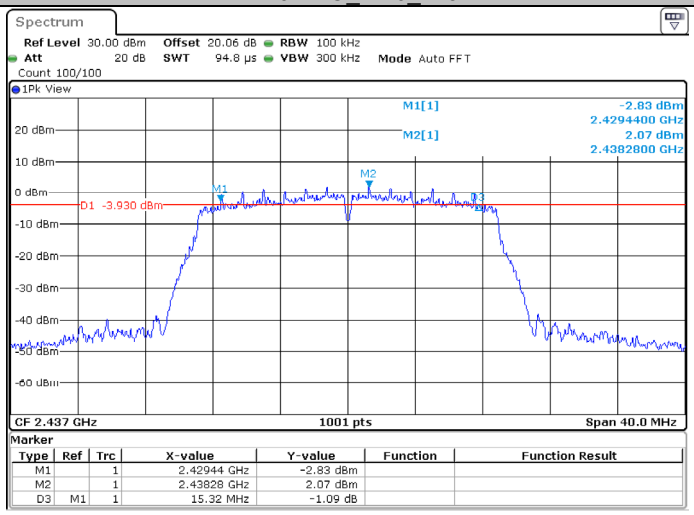

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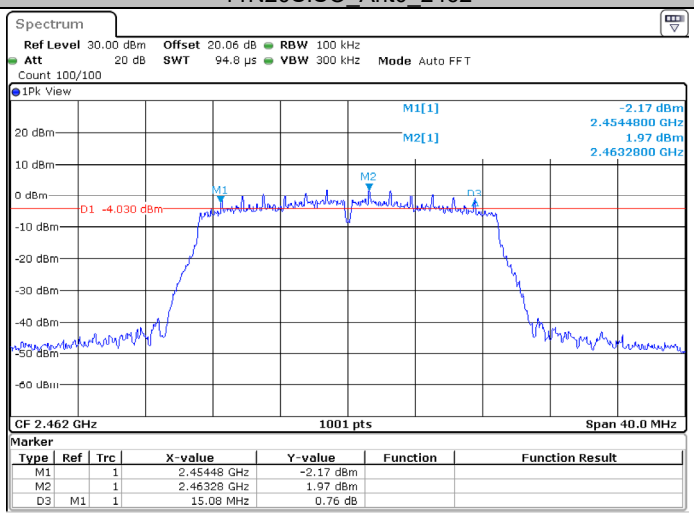
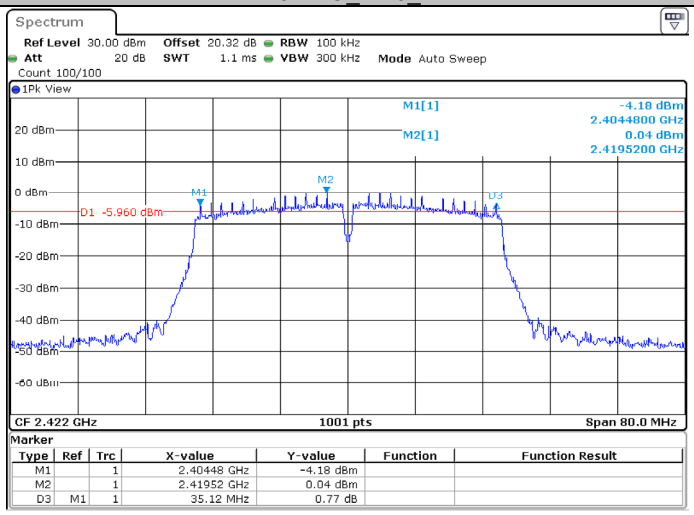


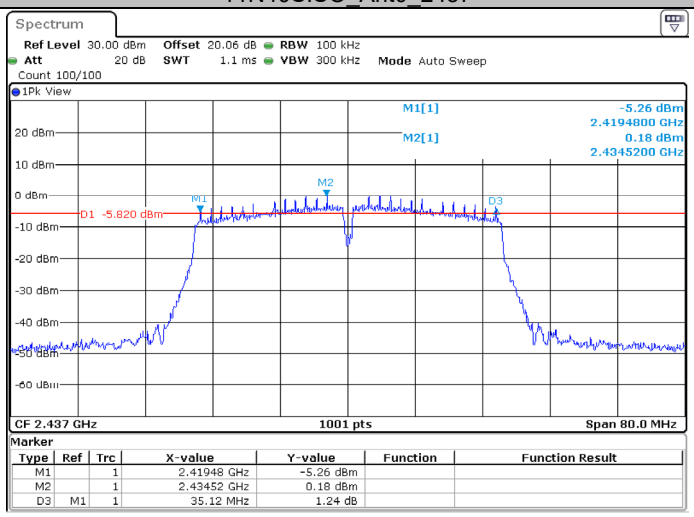
ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:43:39

11N40SISO_Ant0_2422



ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:45:36

11N40SISO_Ant0_2437

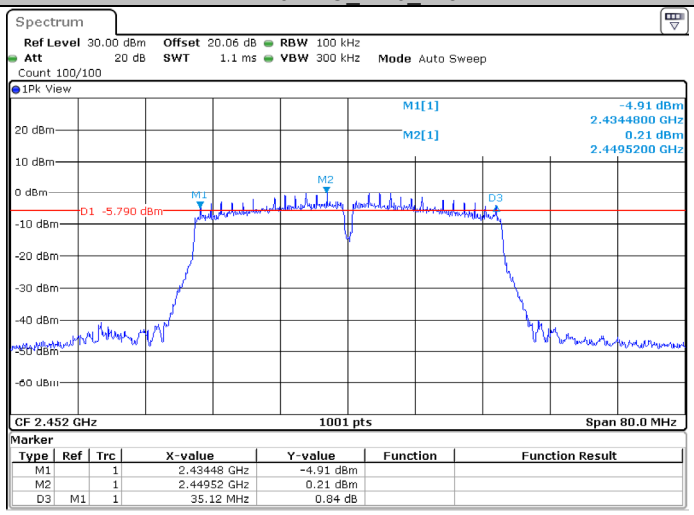


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41948 GHz	-5.26 dBm		
M2		1	2.43452 GHz	0.18 dBm		
D3	M1	1	35.12 MHz	1.24 dB		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:46:58

11N40SISO_Ant0_2452



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43448 GHz	-4.91 dBm		
M2		1	2.44952 GHz	0.21 dBm		
D3	M1	1	35.12 MHz	0.84 dB		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:48:11

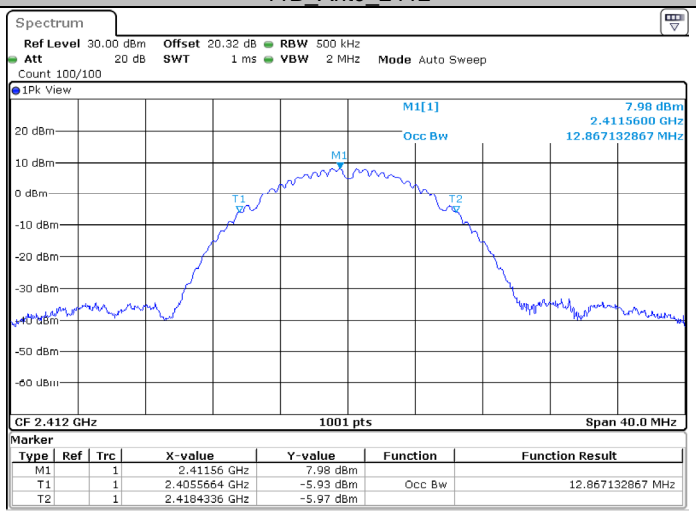
Appendix B: Occupied Channel Bandwidth

Test Result

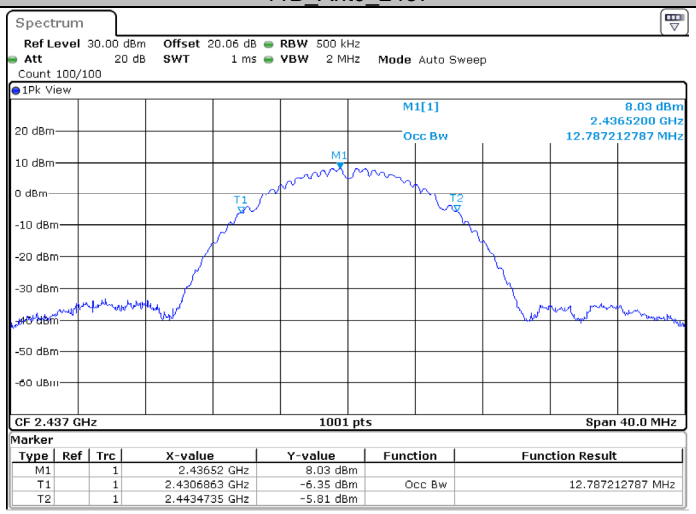
Test Mode	Antenna	Freq. [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	12.867	2405.5664	2418.4336	2400 to 2483.5	PASS
		2437	12.787	2430.6863	2443.4735	2400 to 2483.5	PASS
		2462	12.867	2455.6064	2468.4735	2400 to 2483.5	PASS
11G	Ant0	2412	17.183	2403.4086	2420.5914	2400 to 2483.5	PASS
		2437	17.183	2428.4486	2445.6314	2400 to 2483.5	PASS
		2462	17.183	2453.4086	2470.5914	2400 to 2483.5	PASS
11N20SISO	Ant0	2412	18.022	2403.009	2421.031	2400 to 2483.5	PASS
		2437	18.022	2428.049	2446.0709	2400 to 2483.5	PASS
		2462	18.062	2453.009	2471.0709	2400 to 2483.5	PASS
11N40SISO	Ant0	2422	36.444	2403.8581	2440.3017	2400 to 2483.5	PASS
		2437	36.284	2419.018	24455.3017	2400 to 2483.5	PASS
		2452	36.364	2433.8581	2470.2218	2400 to 2483.5	PASS

Test Graphs

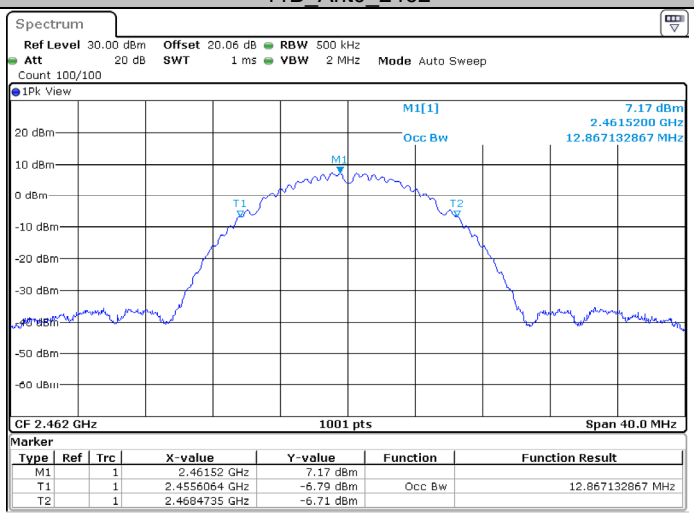
11B_Ant0_2412



11B_Ant0_2437



11B_Ant0_2462

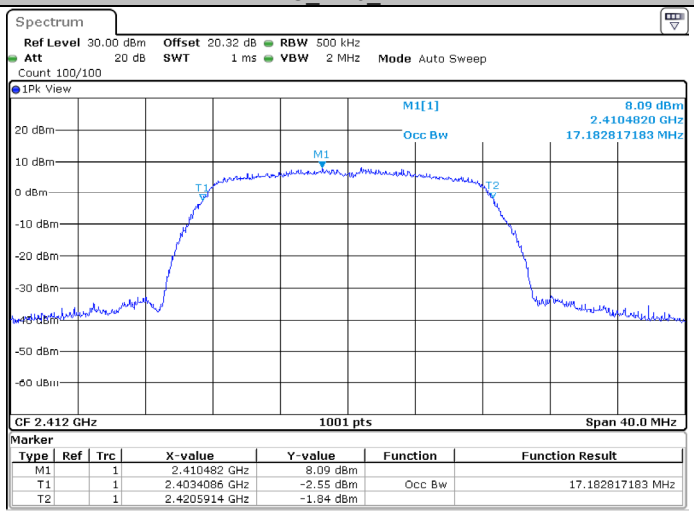


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46152 GHz	7.17 dBm		
T1		1	2.4556064 GHz	-6.79 dBm	Occ Bw	12.867132867 MHz
T2		1	2.4684735 GHz	-6.71 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:32:37

11G_Ant0_2412

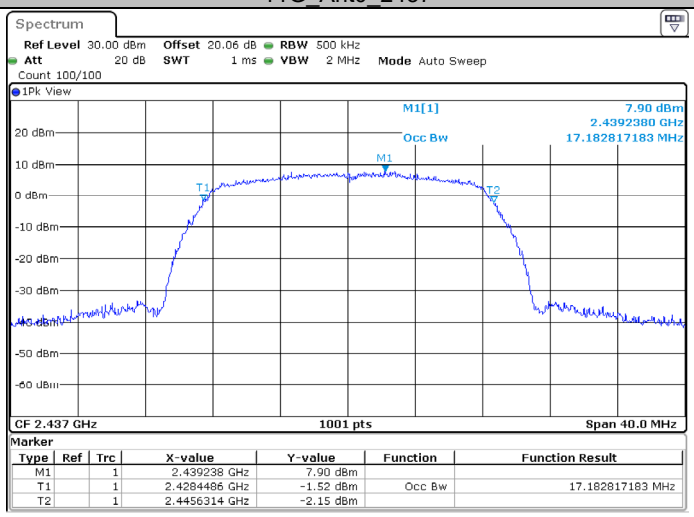


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.410482 GHz	8.09 dBm		
T1		1	2.4034086 GHz	-2.55 dBm	Occ Bw	17.182817183 MHz
T2		1	2.4205914 GHz	-1.84 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:34:17

11G_Ant0_2437

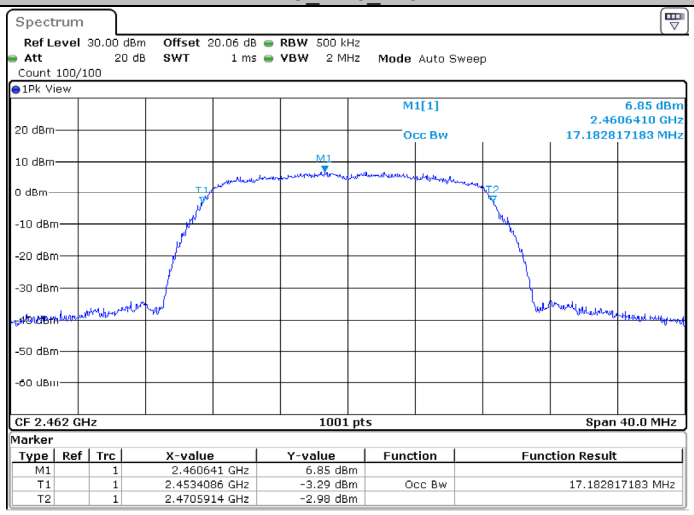


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.439238 GHz	7.90 dBm		
T1		1	2.4284486 GHz	-1.52 dBm	Occ Bw	17.182817183 MHz
T2		1	2.4456314 GHz	-2.15 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:35:35

11G_Ant0_2462

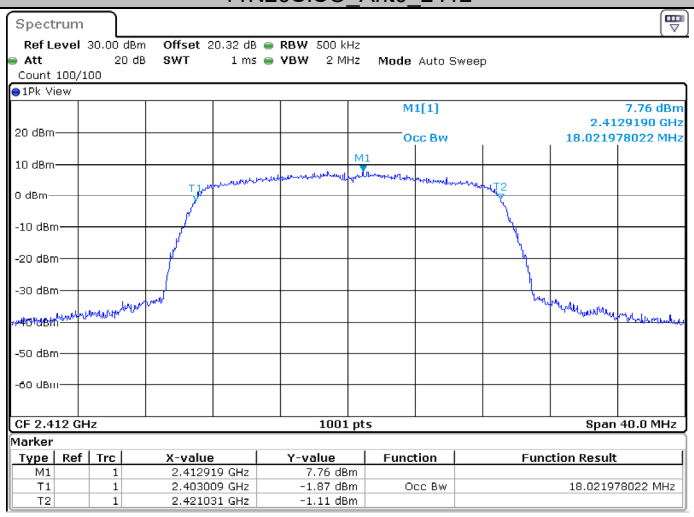


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.460641 GHz	6.85 dBm		
T1		1	2.4534086 GHz	-3.29 dBm	Occ Bw	17.182817183 MHz
T2		1	2.4705914 GHz	-2.98 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:37:12

11N20SISO_Ant0_2412

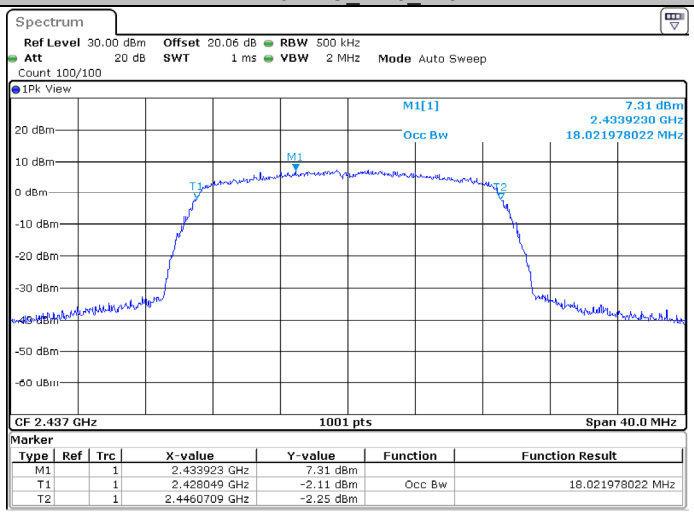


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.412919 GHz	7.76 dBm		
T1		1	2.403009 GHz	-1.87 dBm	Occ Bw	18.021978022 MHz
T2		1	2.421031 GHz	-1.11 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:40:50

11N20SISO_Ant0_2437

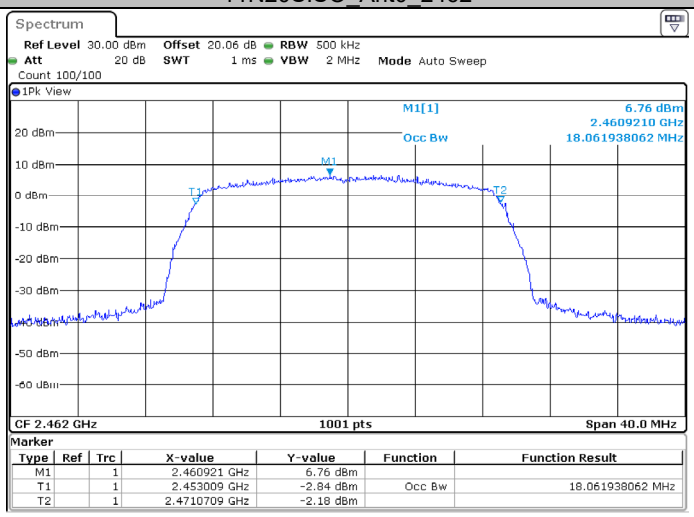


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.433923 GHz	7.31 dBm		
T1		1	2.428049 GHz	-2.11 dBm	Occ Bw	18.021978022 MHz
T2		1	2.4460709 GHz	-2.25 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:42:08

11N20SISO_Ant0_2462



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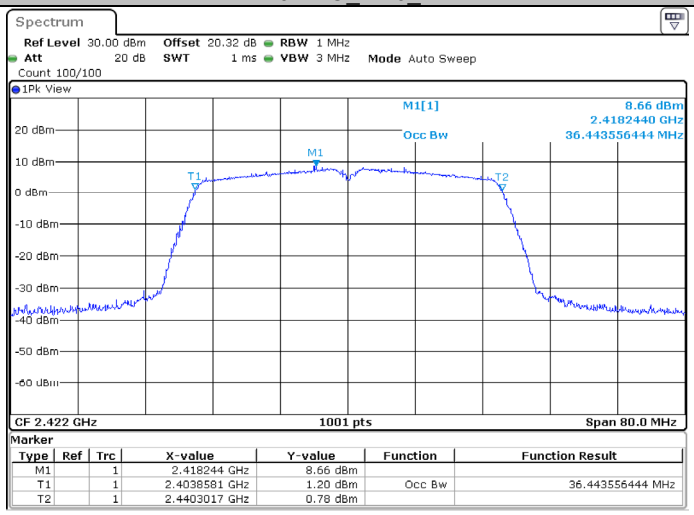

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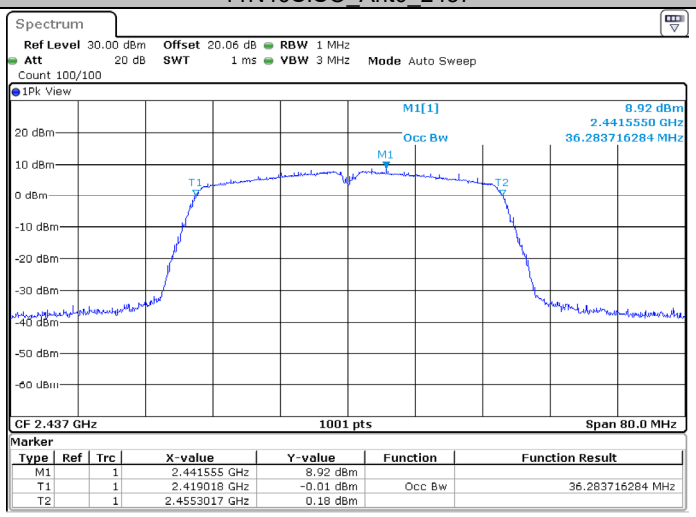
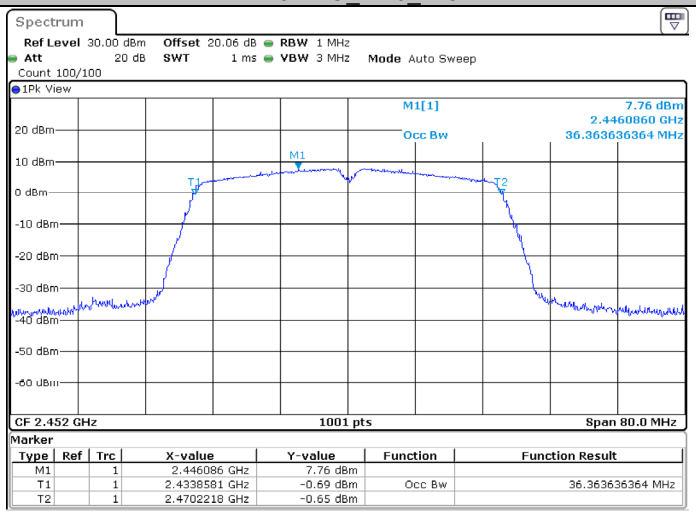


11N40SISO_Ant0_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq.[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	18.66	≤30.00	PASS
		2437	18.59	≤30.00	PASS
		2462	17.86	≤30.00	PASS
11G	Ant0	2412	20.97	≤30.00	PASS
		2437	20.95	≤30.00	PASS
		2462	20.14	≤30.00	PASS
11N20SISO	Ant0	2412	20.86	≤30.00	PASS
		2437	20.83	≤30.00	PASS
		2462	20.07	≤30.00	PASS
11N40SISO	Ant0	2422	20.88	≤30.00	PASS
		2437	20.75	≤30.00	PASS
		2452	20.75	≤30.00	PASS

Test Result Average

Test Mode	Antenna	Freq.[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	15.55	≤30.00	PASS
		2437	15.48	≤30.00	PASS
		2462	15.00	≤30.00	PASS
11G	Ant0	2412	13.14	≤30.00	PASS
		2437	13.15	≤30.00	PASS
		2462	12.64	≤30.00	PASS
11N20SISO	Ant0	2412	13.00	≤30.00	PASS
		2437	13.02	≤30.00	PASS
		2462	12.53	≤30.00	PASS
11N40SISO	Ant0	2422	13.00	≤30.00	PASS
		2437	13.00	≤30.00	PASS
		2452	12.98	≤30.00	PASS

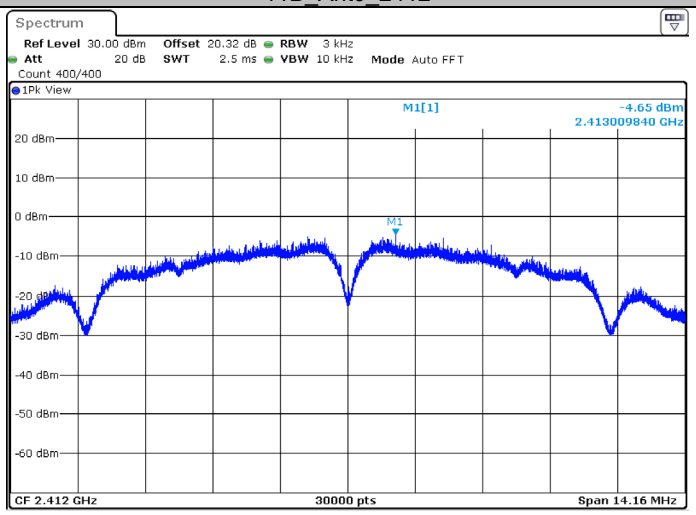
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Freq.[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-4.65	≤8.00	PASS
		2437	-6.29	≤8.00	PASS
		2462	-5.81	≤8.00	PASS
11G	Ant0	2412	-10.33	≤8.00	PASS
		2437	-9.53	≤8.00	PASS
		2462	-9.25	≤8.00	PASS
11N20SISO	Ant0	2412	-10.61	≤8.00	PASS
		2437	-10.10	≤8.00	PASS
		2462	-10.83	≤8.00	PASS
11N40SISO	Ant0	2422	-12.56	≤8.00	PASS
		2437	-13.60	≤8.00	PASS
		2452	-13.40	≤8.00	PASS

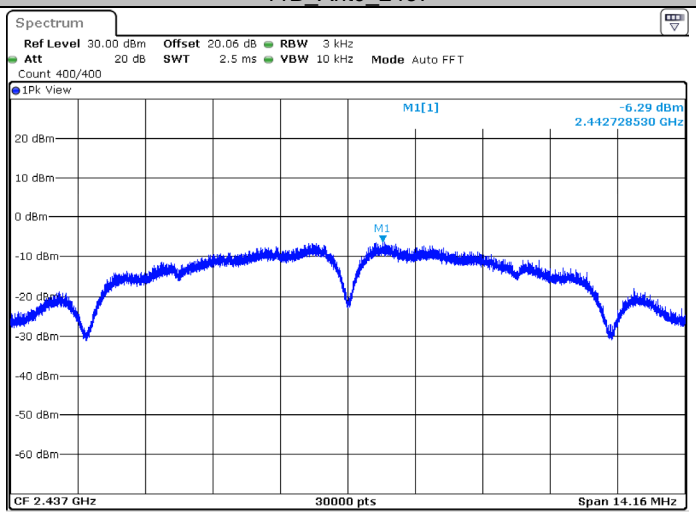
Test Graphs

11B_Ant0_2412



ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:28:01

11B_Ant0_2437



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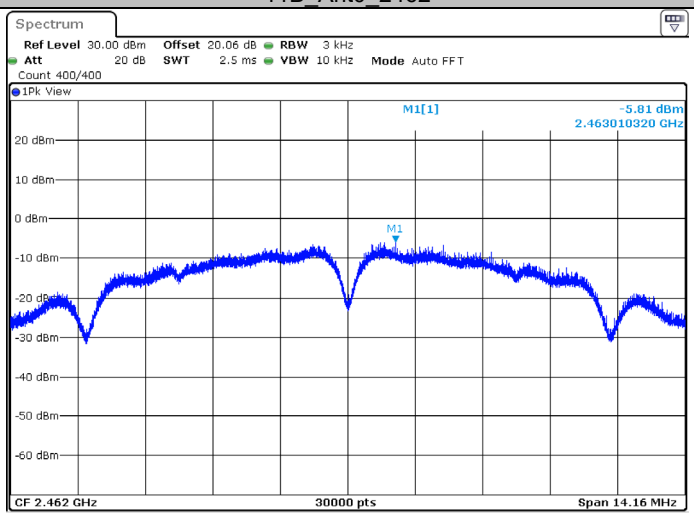
Date: 5.NOV.2024 11:30:55

11B_Ant0_2462



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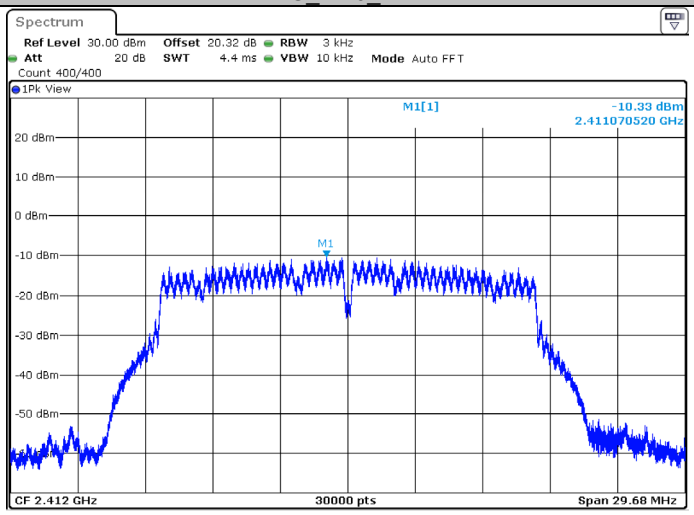
Date: 5.NOV.2024 11:32:56

11G_Ant0_2412



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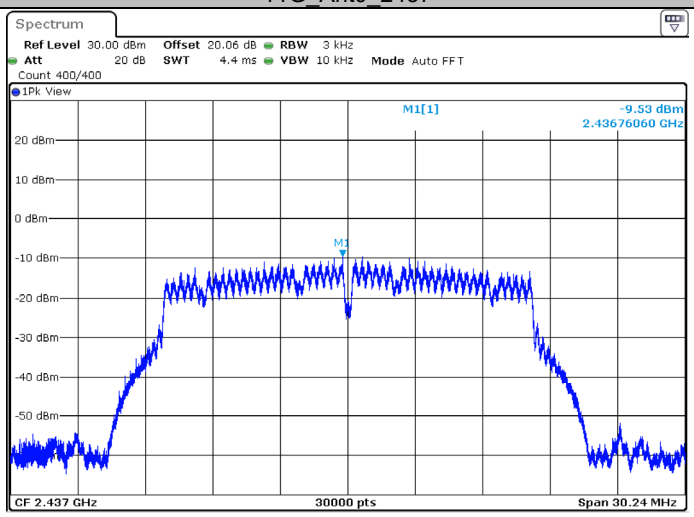
Date: 5.NOV.2024 11:34:37

11G_Ant0_2437



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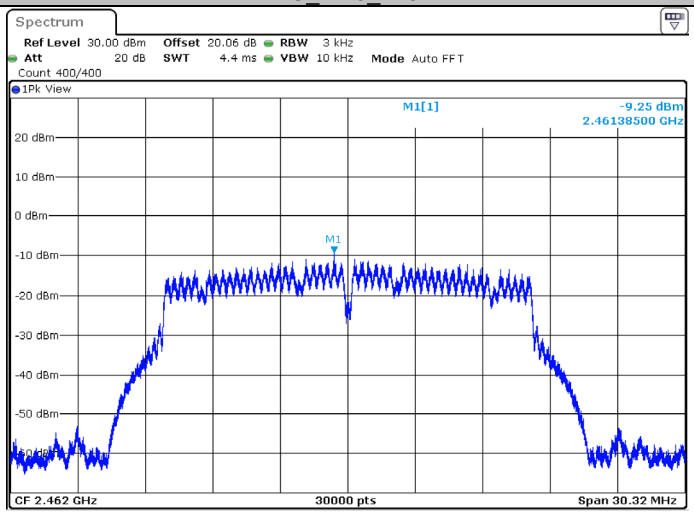
11G_Ant0_2462



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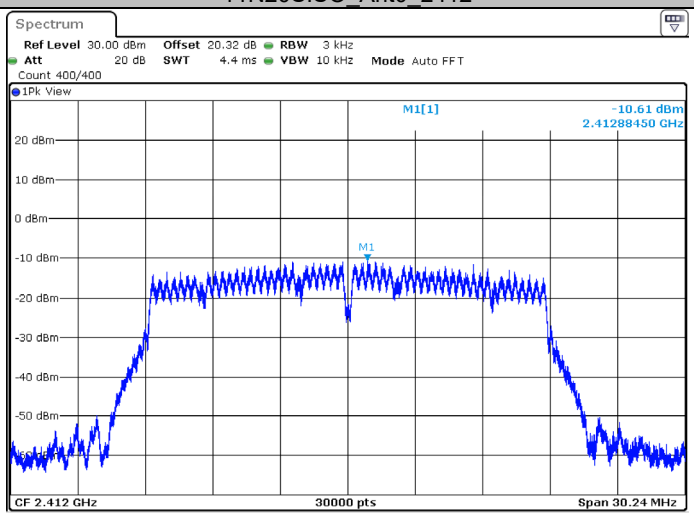
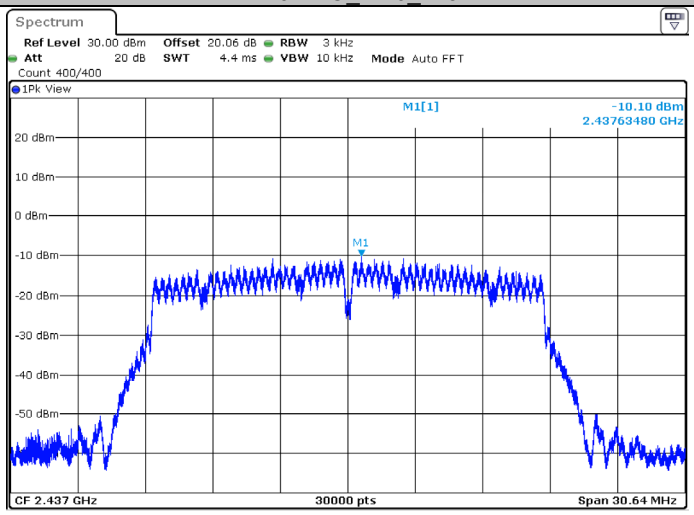
Date: 5.NOV.2024 11:37:32

11N20SISO_Ant0_2412



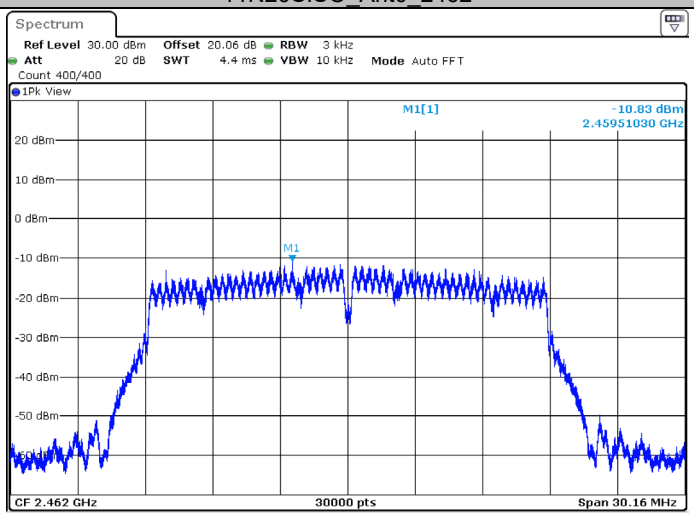
ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:41:10

11N20SISO_Ant0_2437



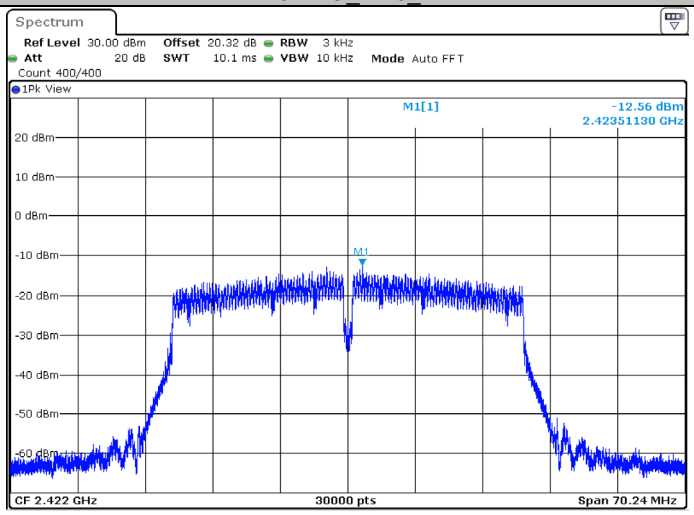
ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:42:28

11N20SISO_Ant0_2462



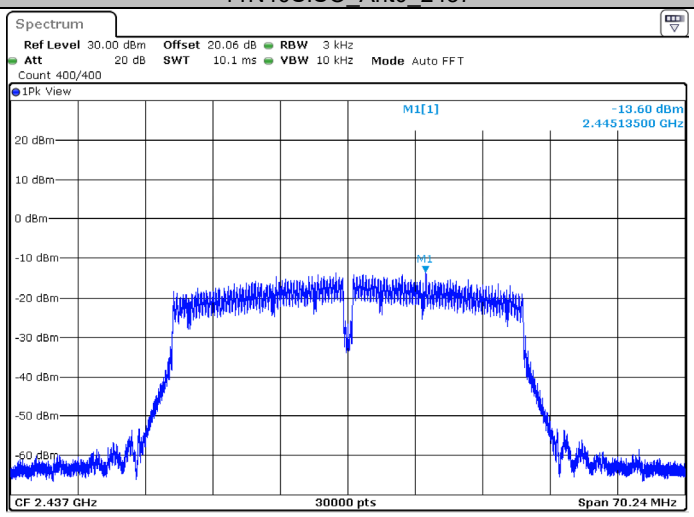
ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:44:04

11N40SISO_Ant0_2422

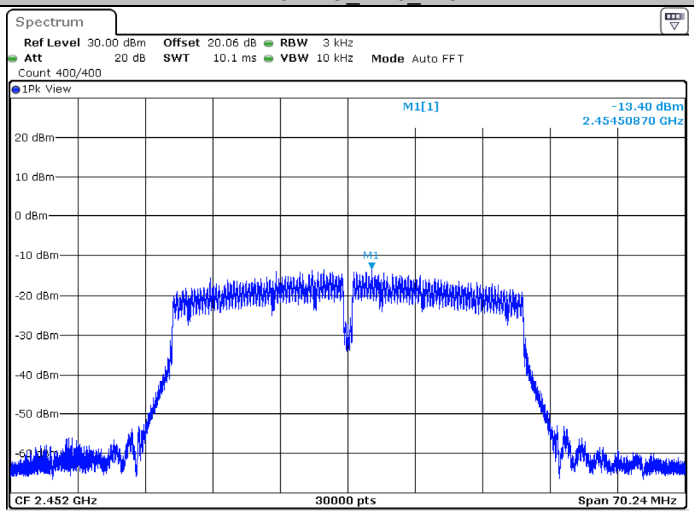


ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:46:08

11N40SISO_Ant0_2437



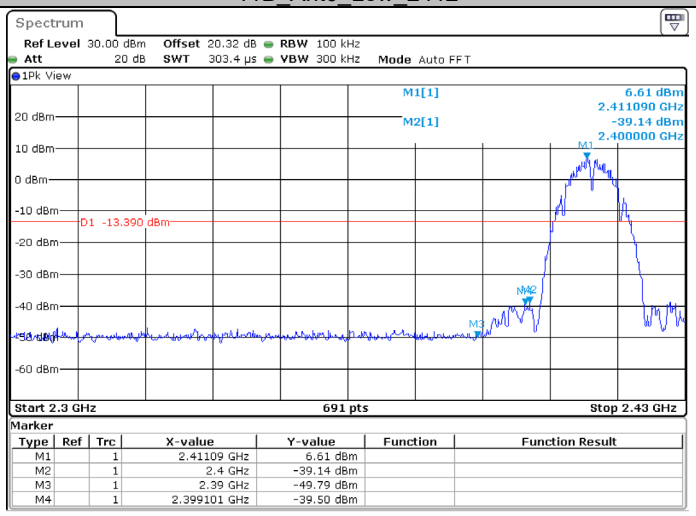
11N40SISO_Ant0_2452



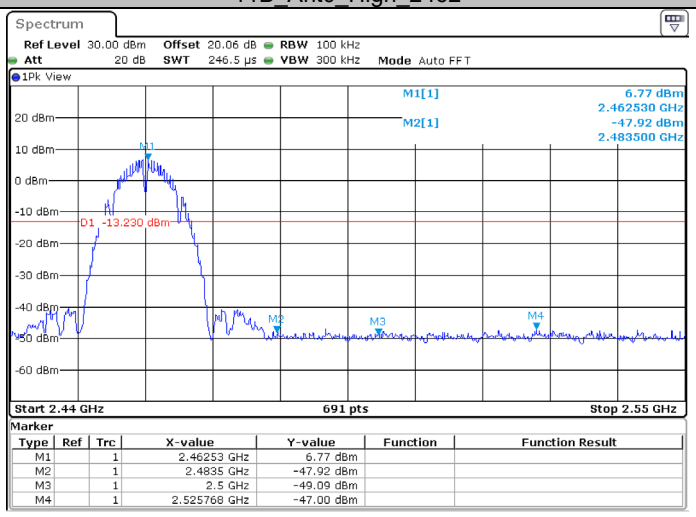
Appendix E: Band edge measurements

Test Graphs

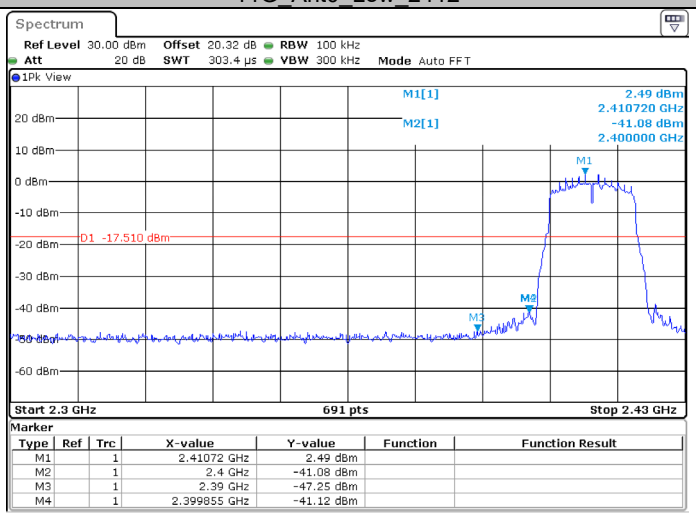
11B_Ant0_Low_2412



11B_Ant0_High_2462



11G_Ant0_Low_2412

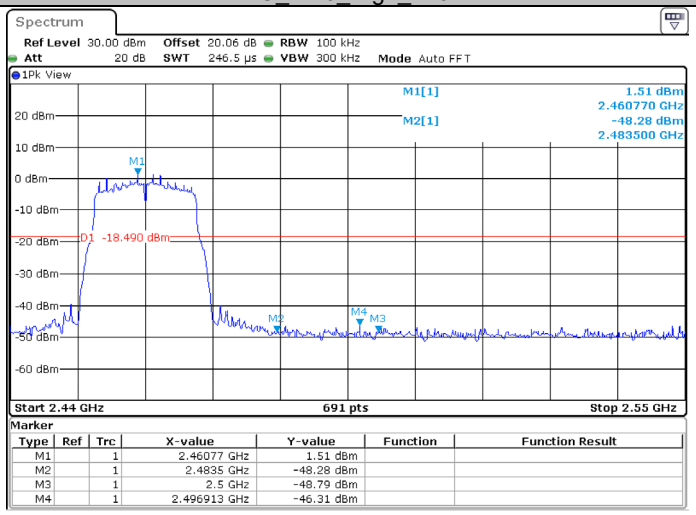


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41072 GHz	2.49 dBm		
M2		1	2.4 GHz	-41.08 dBm		
M3		1	2.39 GHz	-47.25 dBm		
M4		1	2.399855 GHz	-41.12 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:34:46

11G_Ant0_High_2462

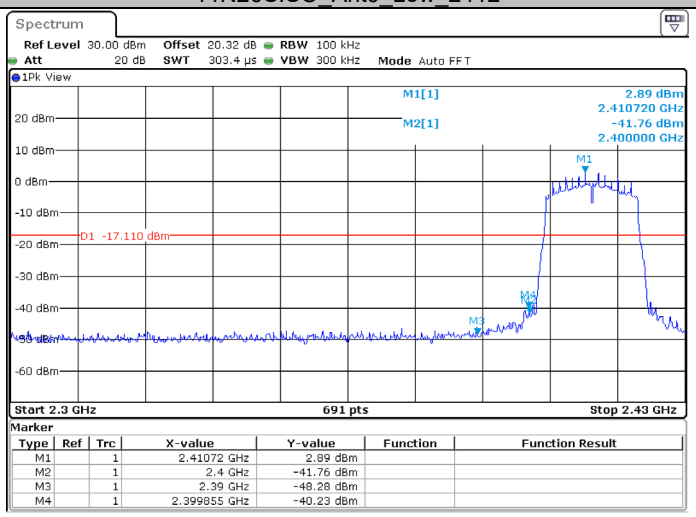


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46077 GHz	1.51 dBm		
M2		1	2.4835 GHz	-48.28 dBm		
M3		1	2.5 GHz	-48.79 dBm		
M4		1	2.496913 GHz	-46.31 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:37:41

11N20SISO_Ant0_Low_2412

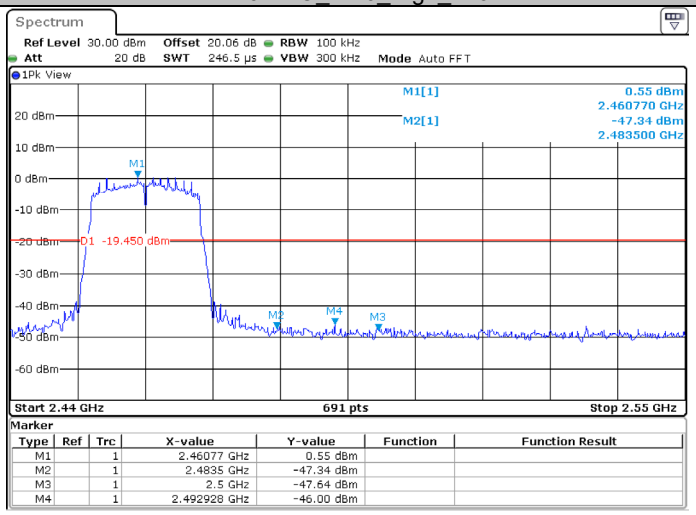


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41072 GHz	2.89 dBm		
M2		1	2.4 GHz	-41.76 dBm		
M3		1	2.39 GHz	-48.28 dBm		
M4		1	2.399855 GHz	-40.23 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:41:19

11N20SISO_Ant0_High_2462

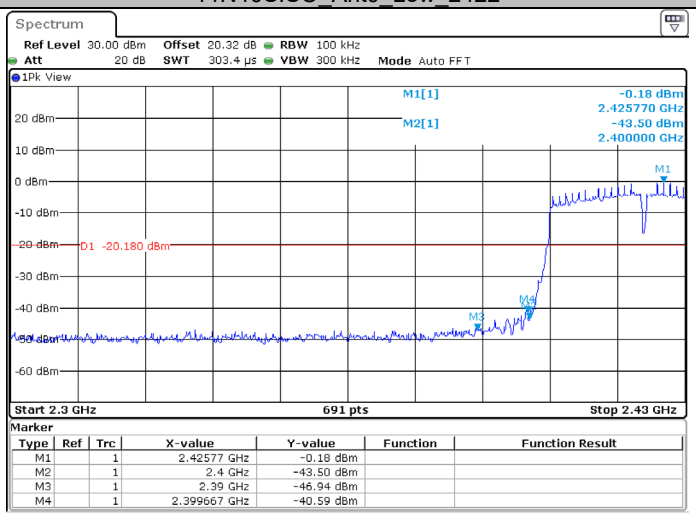


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46077 GHz	0.55 dBm		
M2		1	2.4835 GHz	-47.34 dBm		
M3		1	2.5 GHz	-47.64 dBm		
M4		1	2.492928 GHz	-46.00 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:44:14

11N40SISO_Ant0_Low_2422

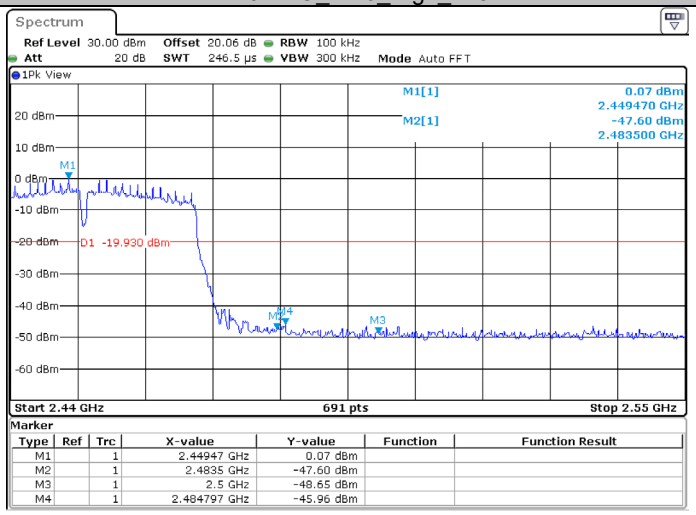


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42577 GHz	-0.18 dBm		
M2		1	2.4 GHz	-43.50 dBm		
M3		1	2.39 GHz	-46.94 dBm		
M4		1	2.399667 GHz	-40.59 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:46:17

11N40SISO_Ant0_High_2452



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44947 GHz	0.07 dBm		
M2		1	2.4835 GHz	-47.60 dBm		
M3		1	2.5 GHz	-48.65 dBm		
M4		1	2.484797 GHz	-45.96 dBm		

ProjectNo.:2401X29266E-RF-2 Tester:Navilite.Cai
Date: 5.NOV.2024 11:48:50

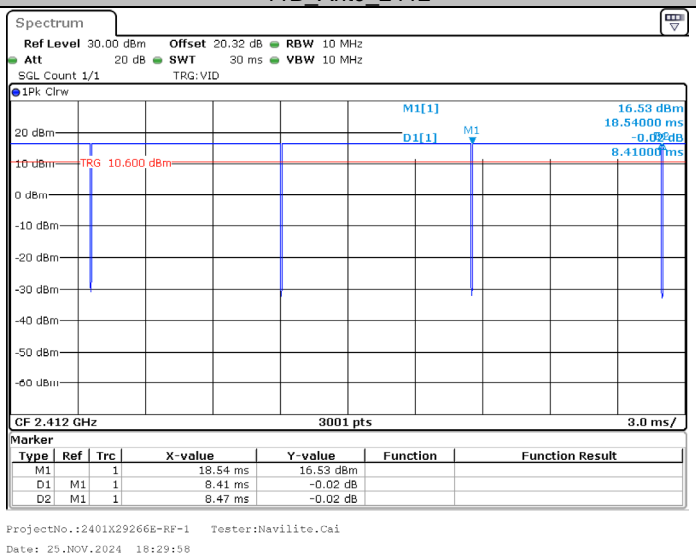
Appendix F: Duty Cycle

Test Result

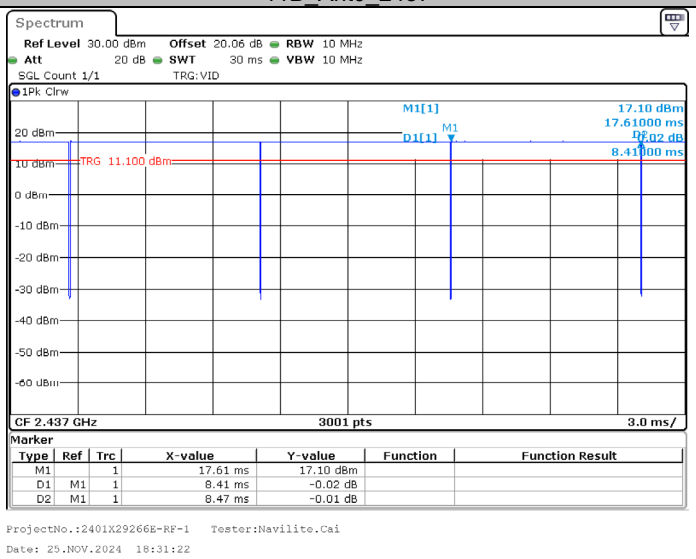
Test Mode	Antenna	Freq .[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [Hz]	VBW Setting [Hz]
11B	Ant0	2412	8.41	8.47	99.29	/	10
		2437	8.41	8.47	99.29	/	10
		2462	8.41	8.47	99.29	/	10
11G	Ant0	2412	1.39	1.45	95.86	719	1000
		2437	1.40	1.45	96.55	714	1000
		2462	1.39	1.45	95.86	719	1000
11N20SISO	Ant0	2412	1.30	1.36	95.59	769	1000
		2437	1.31	1.36	96.32	763	1000
		2462	1.31	1.36	96.32	763	1000
11N40SISO	Ant0	2422	0.65	0.71	91.55	1538	2000
		2437	0.64	0.70	91.43	1563	2000
		2452	0.65	0.70	92.86	1538	2000

Test Graphs

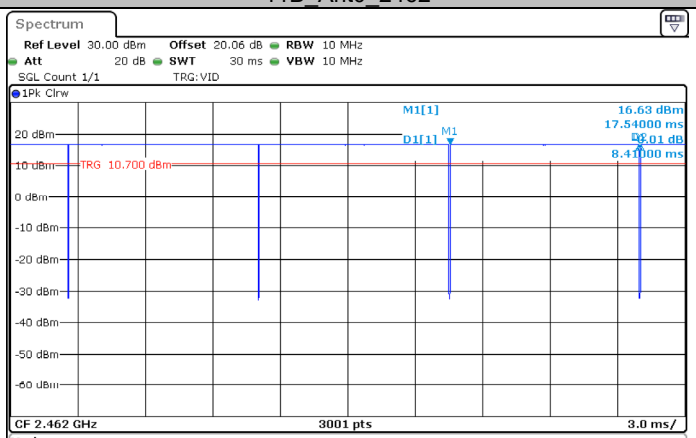
11B_Ant0_2412



11B_Ant0_2437



11B_Ant0_2462

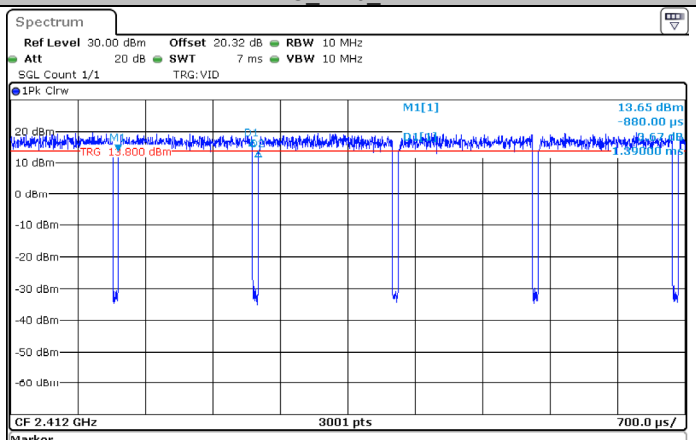


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	17.54 ms	16.63 dBm		
D1	M1	1	8.41 ms	-0.01 dB		
D2	M1	1	8.47 ms	0.01 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 25.NOV.2024 18:28:41

11G_Ant0_2412

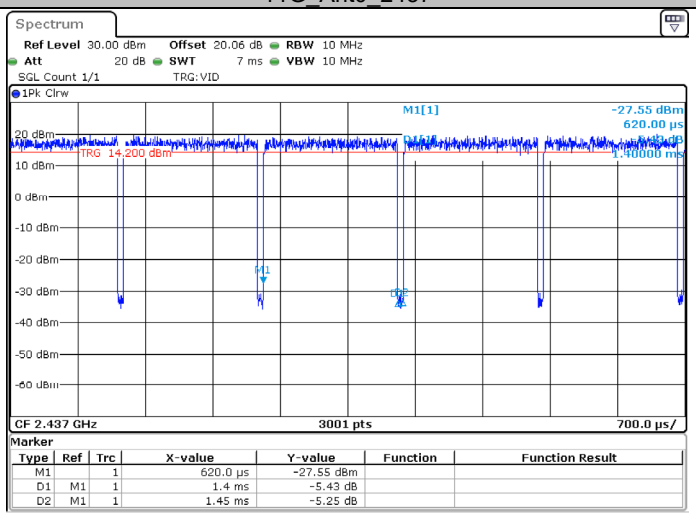


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-880.0 µs	13.65 dBm		
D1	M1	1	1.39 ms	3.67 dB		
D2	M1	1	1.45 ms	-0.00 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 5.NOV.2024 10:32:13

11G_Ant0_2437

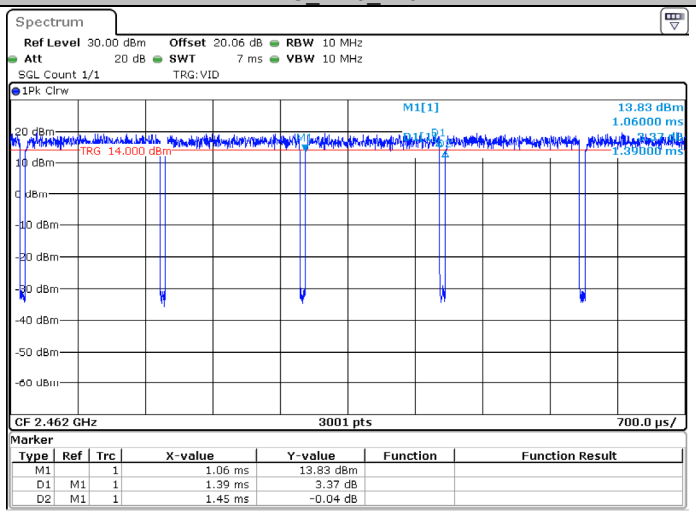


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	620.0 µs	-27.55 dBm		
D1	M1	1	1.4 ms	-5.43 dB		
D2	M1	1	1.45 ms	-5.25 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 25.NOV.2024 18:32:07

11G_Ant0_2462

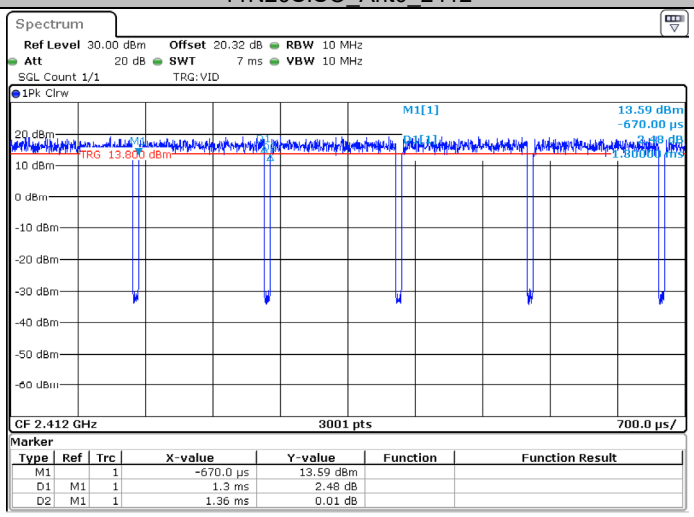


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.06 ms	13.83 dBm		
D1	M1	1	1.39 ms	3.37 dB		
D2	M1	1	1.45 ms	-0.04 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 5.NOV.2024 10:35:10

11N20SISO_Ant0_2412

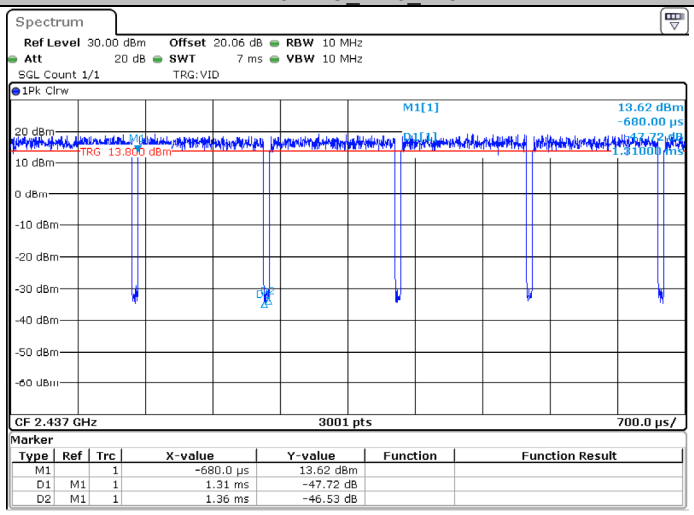


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-670.0 µs	13.59 dBm		
D1	M1	1	1.3 ms	2.48 dB		
D2	M1	1	1.36 ms	0.01 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 5.NOV.2024 10:40:28

11N20SISO_Ant0_2437

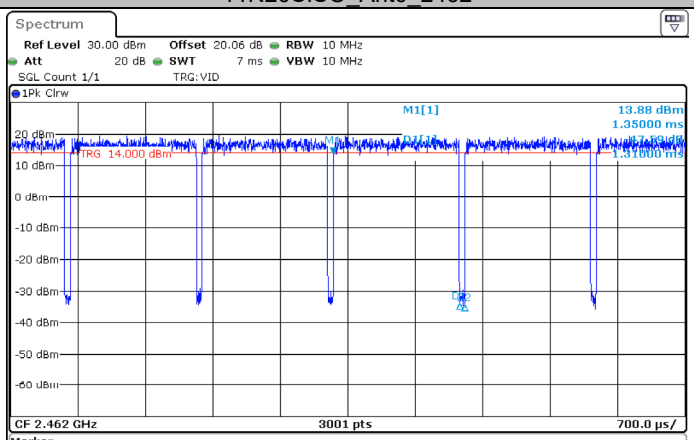


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-680.0 µs	13.62 dBm		
D1	M1	1	1.31 ms	-47.72 dB		
D2	M1	1	1.36 ms	-46.53 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 5.NOV.2024 10:41:22

11N20SISO_Ant0_2462

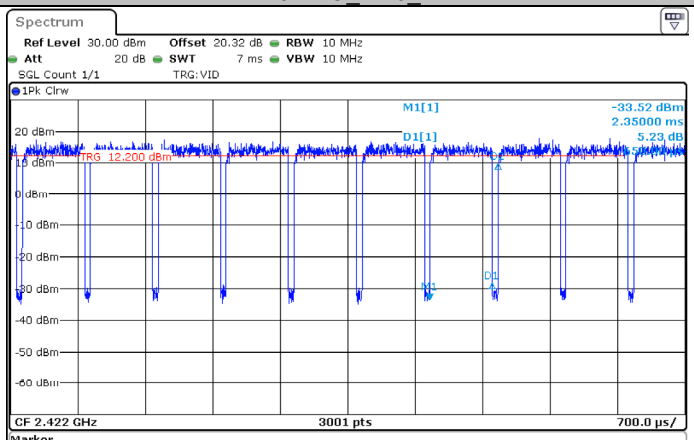


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.35 ms	13.88 dBm		
D1	M1	1	1.31 ms	-47.59 dB		
D2	M1	1	1.36 ms	-48.17 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 5.NOV.2024 10:42:40

11N40SISO_Ant0_2422

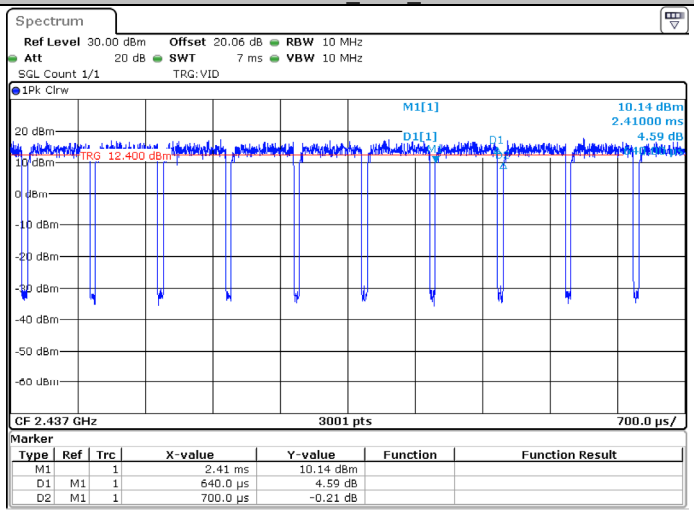


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.35 ms	-33.52 dBm		
D1	M1	1	650.0 µs	5.23 dB		
D2	M1	1	710.0 µs	43.42 dB		

ProjectNo.:2401X29266E-RF-1 Tester:Navilite.Cai
Date: 5.NOV.2024 10:45:54

11N40SISO_Ant0_2437



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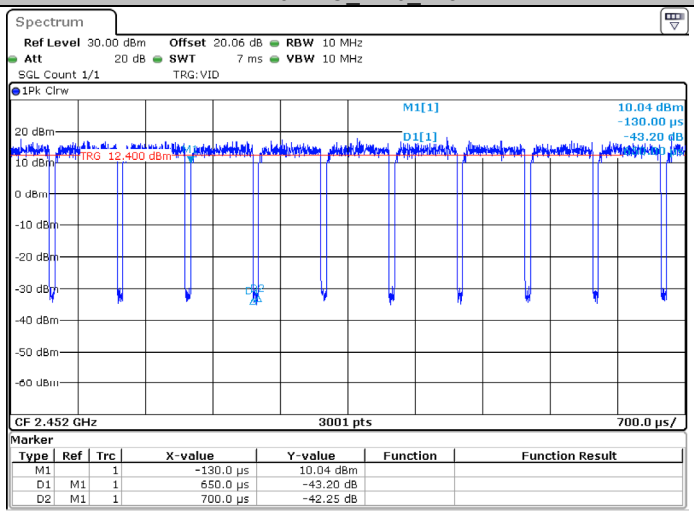

******* END OF REPORT *******