Appendix Test Data

Report No.:	18220WC10173601	Test Date:	2021.8.5
Test Engineer:	Tony.He	Auditor:	Edward.Pan
Temperature:	24.3℃	Relative Humidity:	56.3%
Pressure:	1012 hPa		

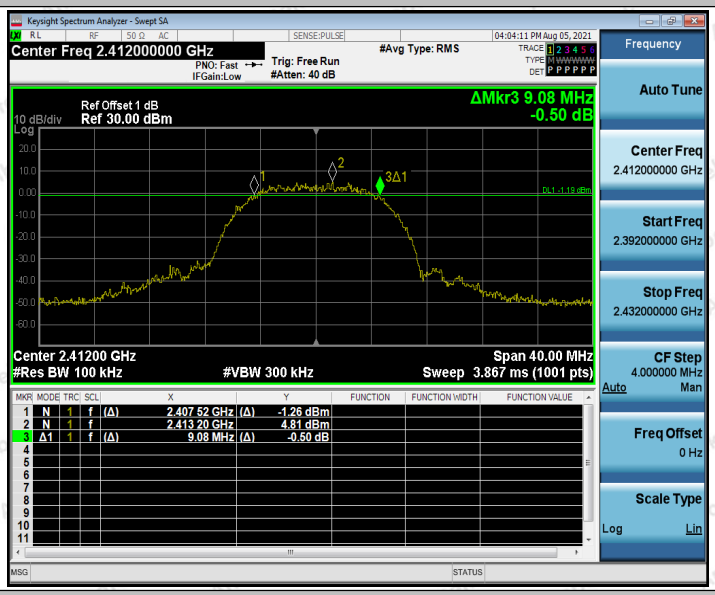
Appendix A: DTS Bandwidth

Test Result

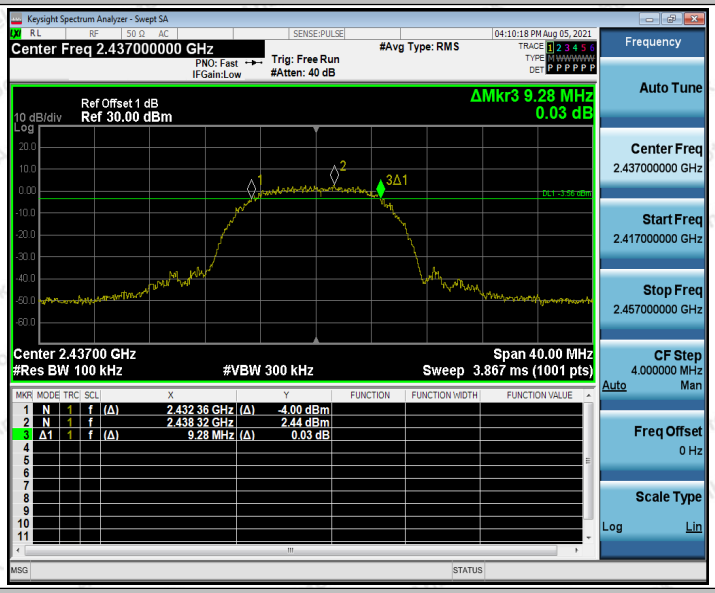
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.520	2416.600	>=0.5	PASS
		2437	9.280	2432.360	2441.640	>=0.5	PASS
		2462	9.120	2457.400	2466.520	>=0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	>=0.5	PASS
		2437	16.480	2428.760	2445.240	>=0.5	PASS
		2462	16.480	2453.760	2470.240	>=0.5	PASS
11N20	Ant1	2412	17.680	2403.160	2420.840	>=0.5	PASS
		2437	17.680	2428.160	2445.840	>=0.5	PASS
		2462	17.680	2453.160	2470.840	>=0.5	PASS

Test Graphs

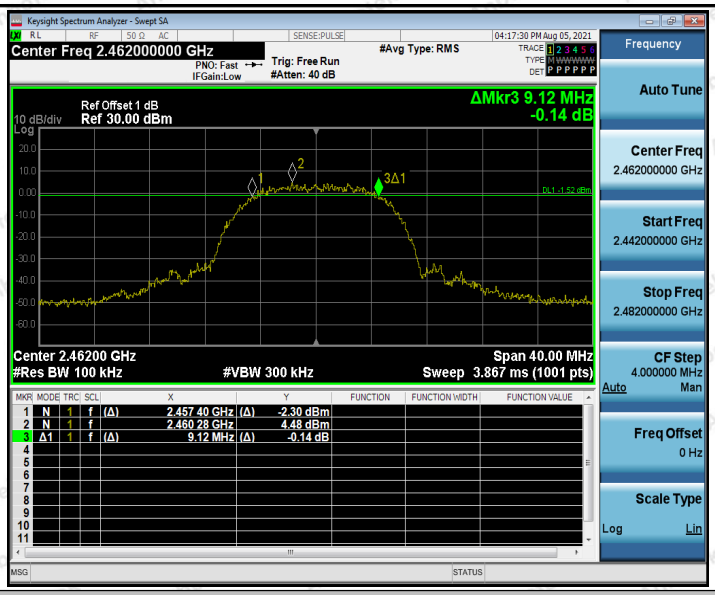
11B_Ant1_2412



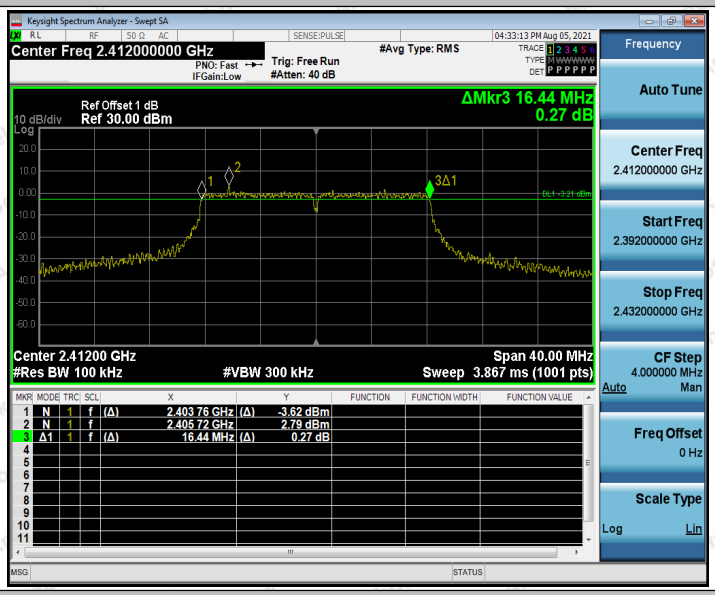
11B_Ant1_2437



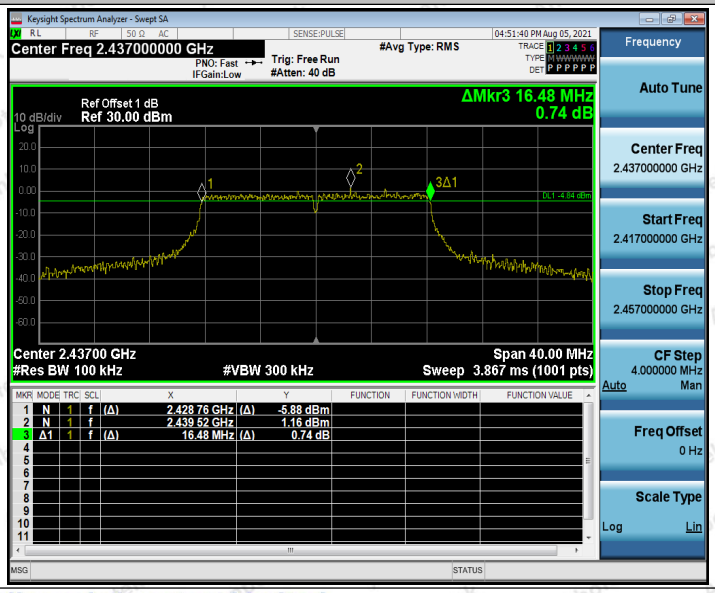
11B_Ant1_2462



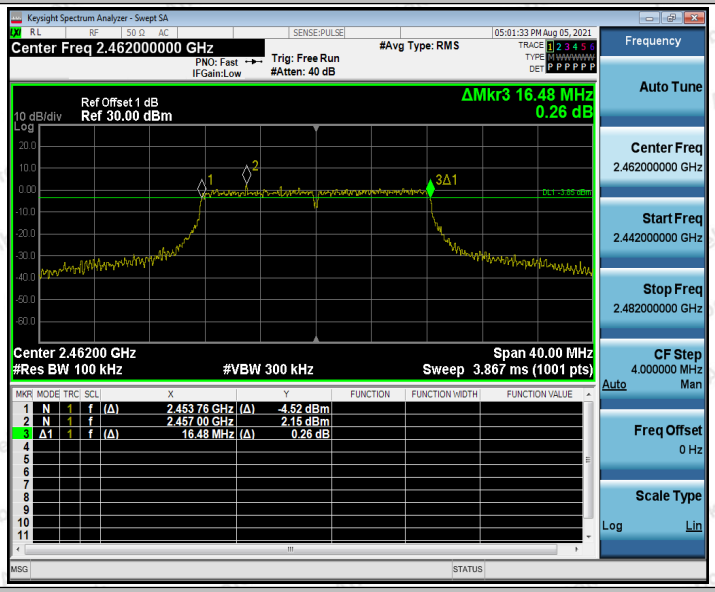
11G_Ant1_2412



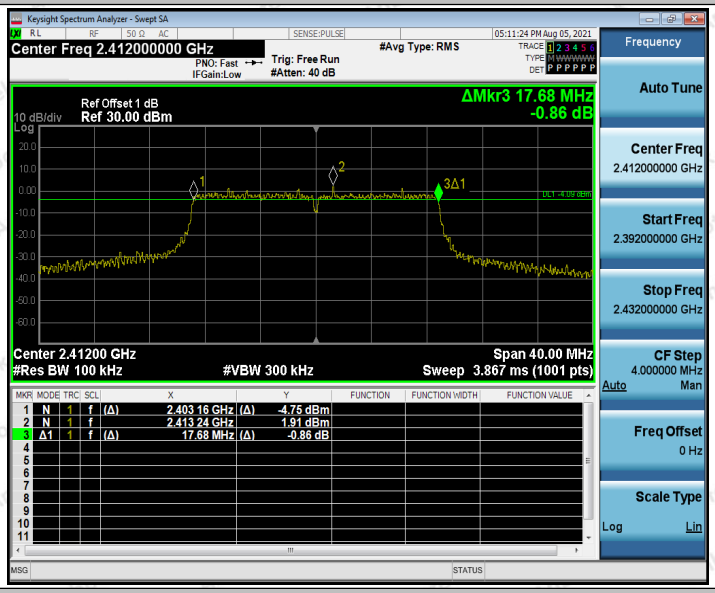
11G_Ant1_2437



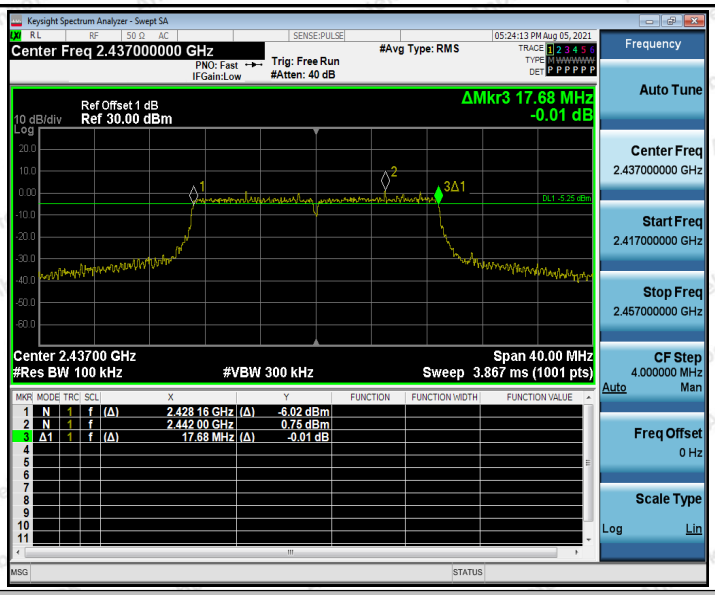
11G_Ant1_2462



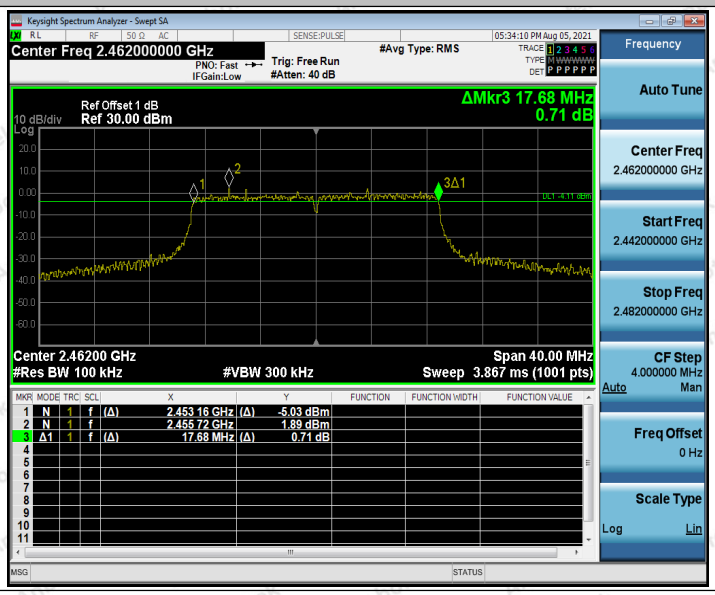
11N20_Ant1_2412



11N20_Ant1_2437



11N20_Ant1_2462



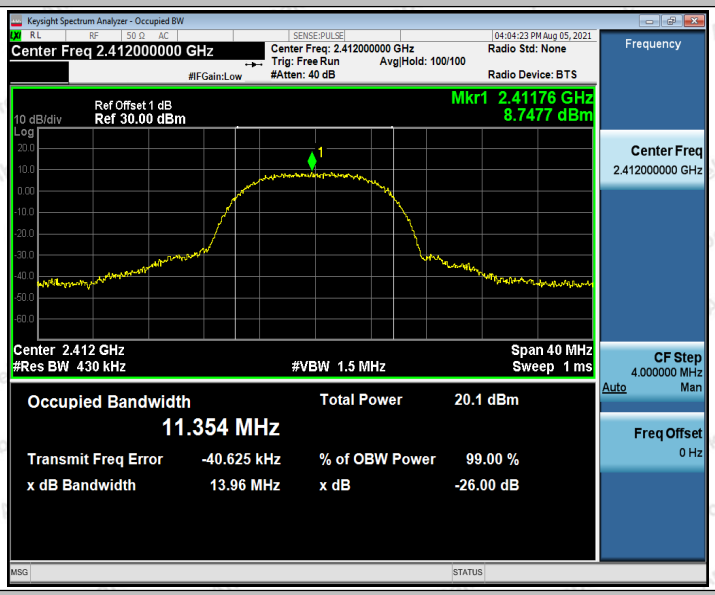
Appendix B: Occupied Channel Bandwidth

Test Result

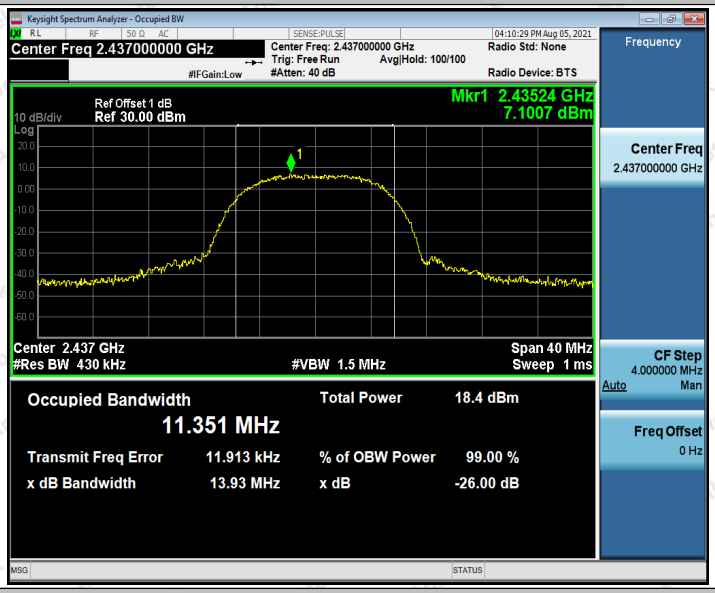
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.354	2406.282	2417.636	---	PASS
		2437	11.351	2431.336	2442.687	---	PASS
		2462	11.337	2456.353	2467.690	---	PASS
11G	Ant1	2412	16.930	2403.504	2420.434	---	PASS
		2437	16.847	2428.608	2445.455	---	PASS
		2462	16.872	2453.607	2470.479	---	PASS
11N20	Ant1	2412	17.863	2403.048	2420.911	---	PASS
		2437	17.867	2428.080	2445.947	---	PASS
		2462	17.838	2453.114	2470.952	---	PASS

Test Graphs

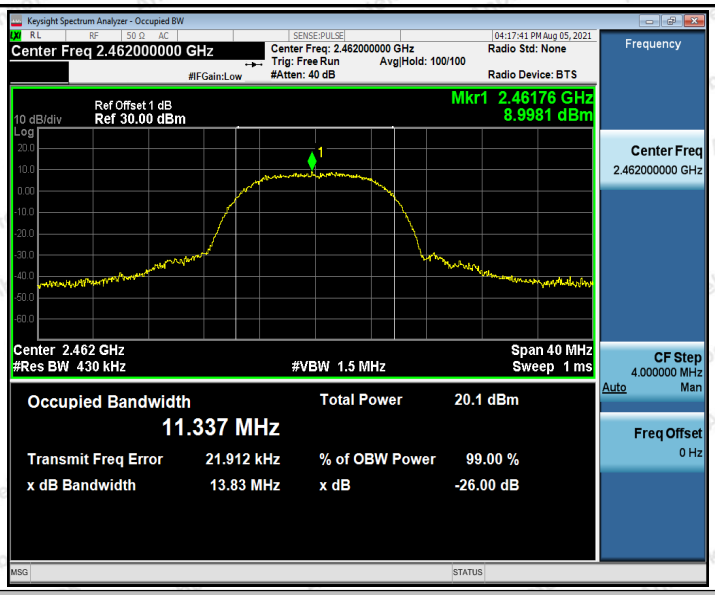
11B_Ant1_2412



11B_Ant1_2437



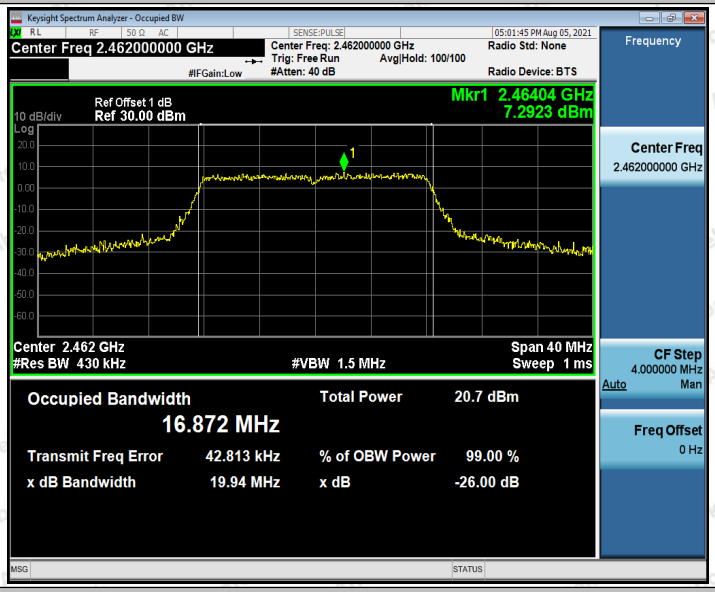
11B_Ant1_2462



11G_Ant1_2412

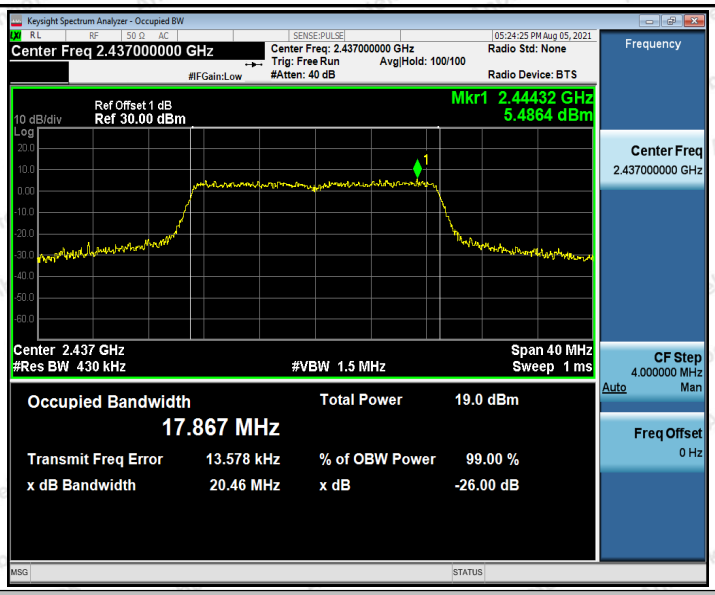
11G_Ant1_2437

11G_Ant1_2462

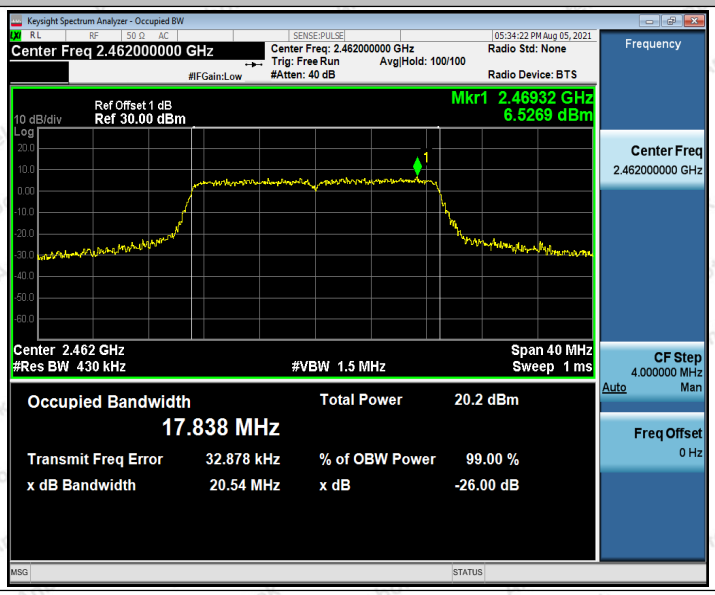


11N20_Ant1_2412

11N20_Ant1_2437



11N20_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	19.40	<=30	PASS
		2437	17.94	<=30	PASS
		2462	19.70	<=30	PASS
11G	Ant1	2412	21.89	<=30	PASS
		2437	20.63	<=30	PASS
		2462	21.90	<=30	PASS
11N20	Ant1	2412	21.00	<=30	PASS
		2437	20.19	<=30	PASS
		2462	21.45	<=30	PASS

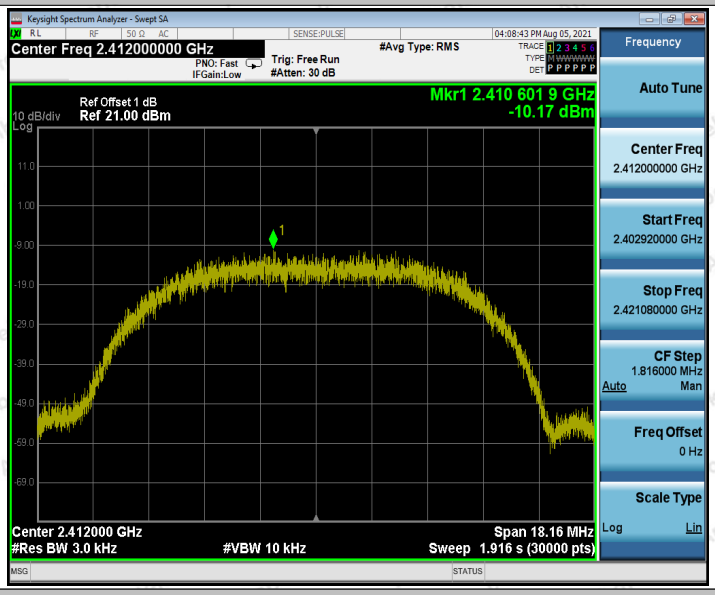
Appendix D: Maximum power spectral density

Test Result

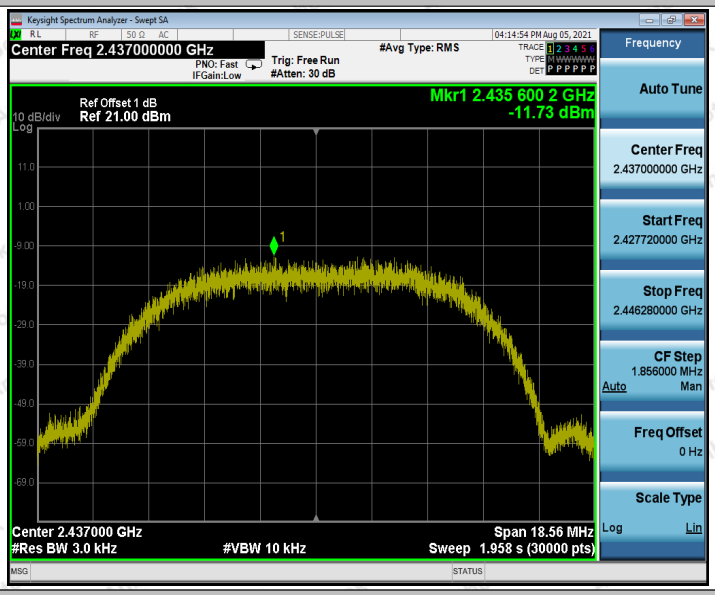
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.17	<=8	PASS
		2437	-11.73	<=8	PASS
		2462	-10.05	<=8	PASS
11G	Ant1	2412	-10.54	<=8	PASS
		2437	-10.84	<=8	PASS
		2462	-9.77	<=8	PASS
11N20	Ant1	2412	-10.51	<=8	PASS
		2437	-11.45	<=8	PASS
		2462	-9.9	<=8	PASS

Test Graphs

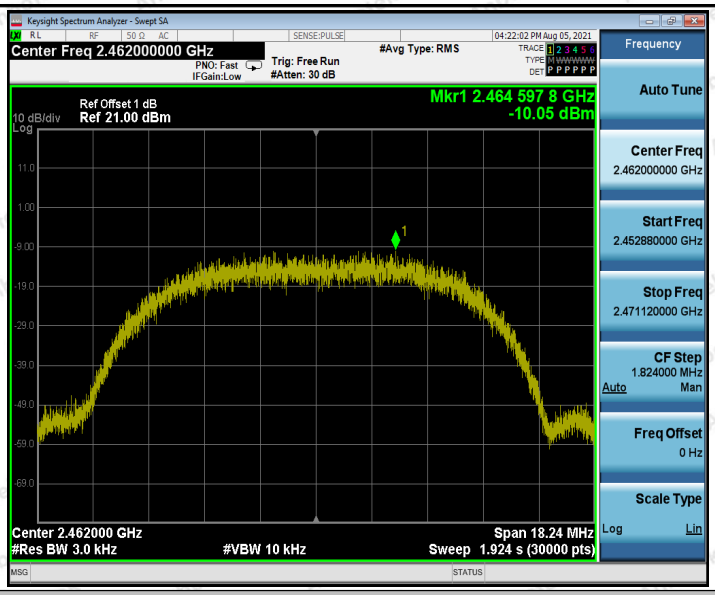
11B_Ant1_2412



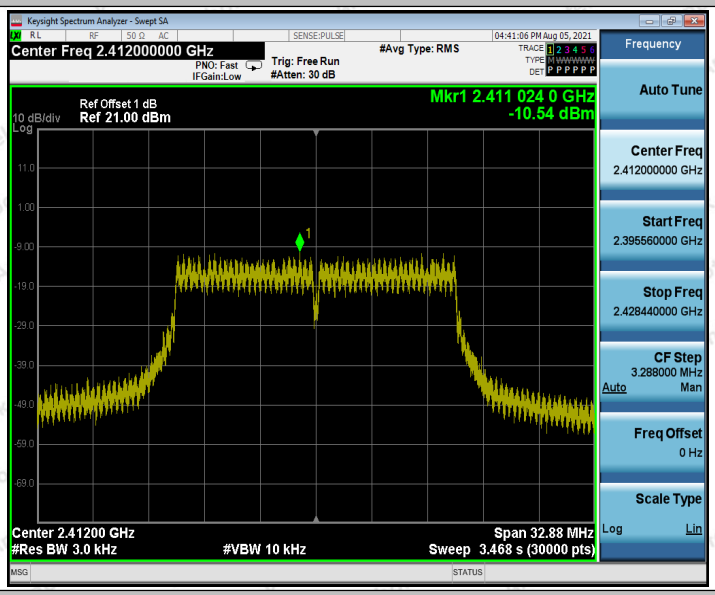
11B_Ant1_2437



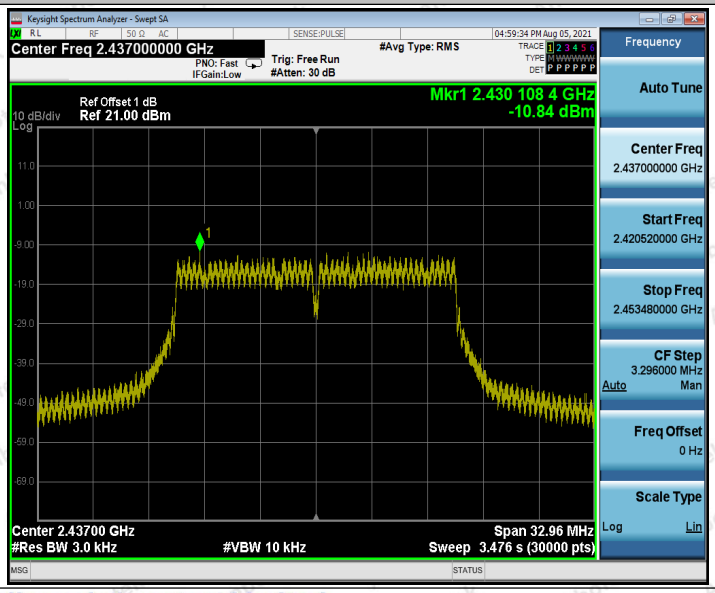
11B_Ant1_2462



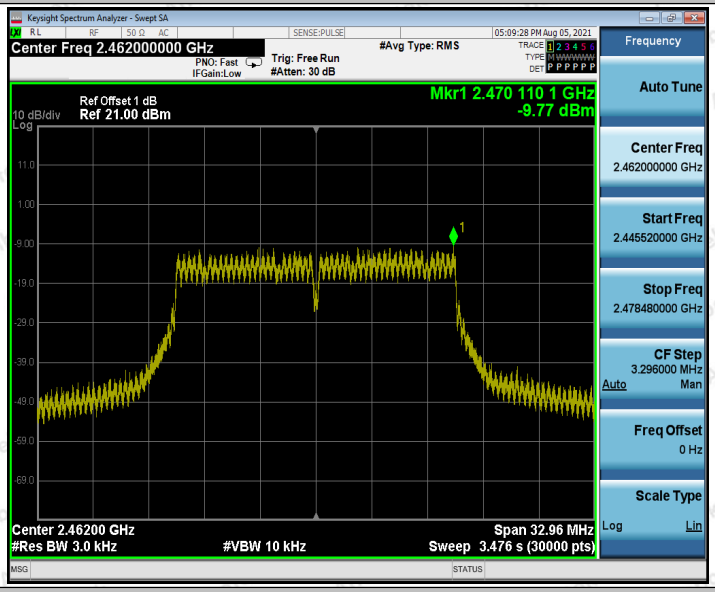
11G_Ant1_2412



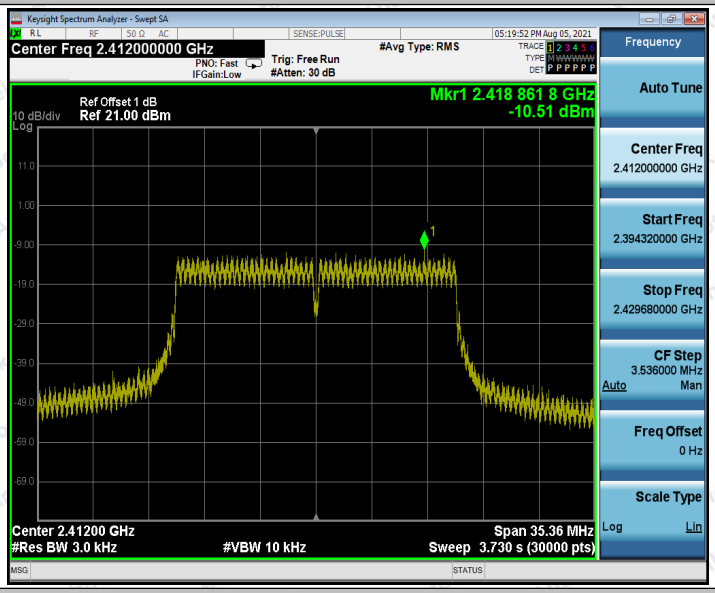
11G_Ant1_2437



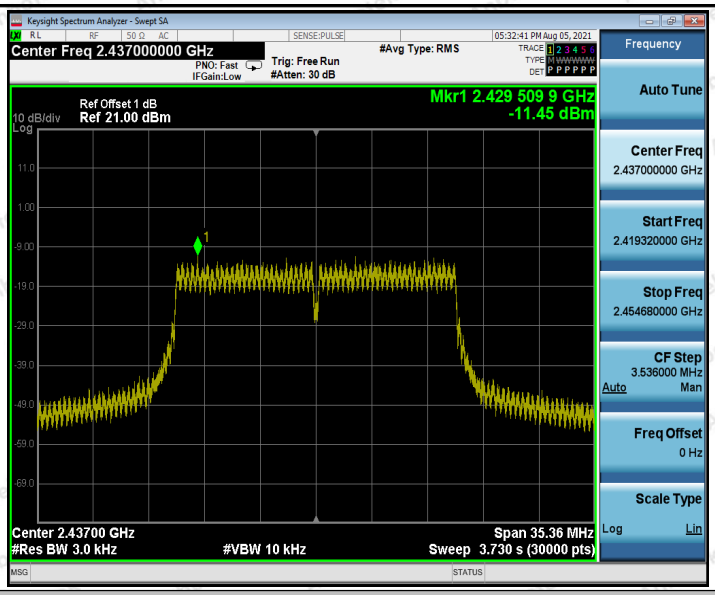
11G_Ant1_2462



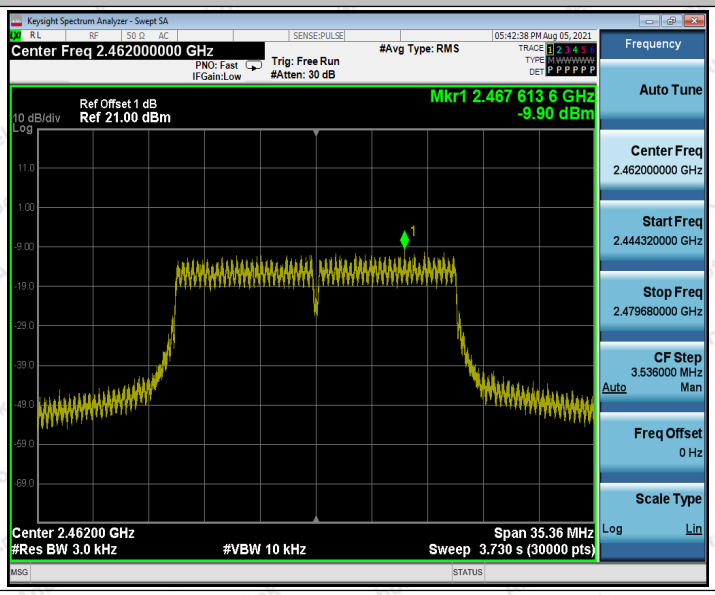
11N20_Ant1_2412



11N20_Ant1_2437



11N20_Ant1_2462



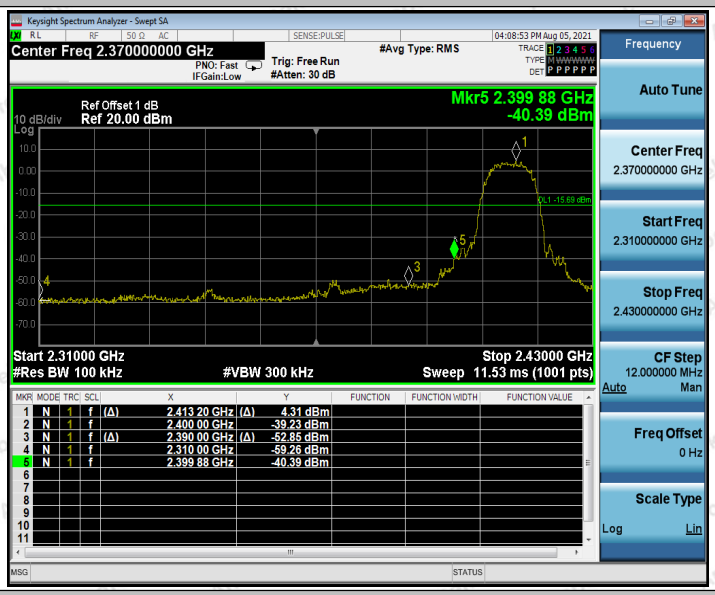
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.31	-40.39	<=-15.69	PASS
		High	2462	4.85	-50.24	<=-15.16	PASS
11G	Ant1	Low	2412	2.68	-27.31	<=-17.32	PASS
		High	2462	2.95	-33.04	<=-17.06	PASS
11N20	Ant1	Low	2412	1.97	-26.92	<=-18.03	PASS
		High	2462	2.71	-35.46	<=-17.29	PASS

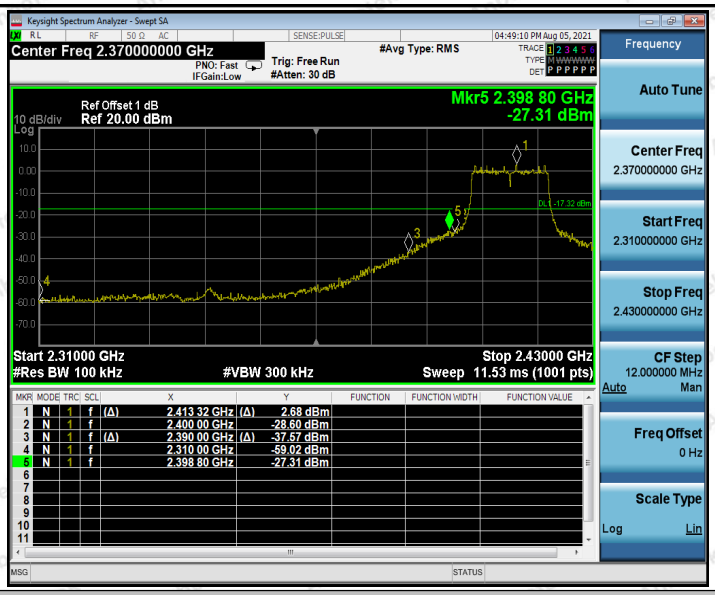
Test Graphs

11B_Ant1_Low_2412

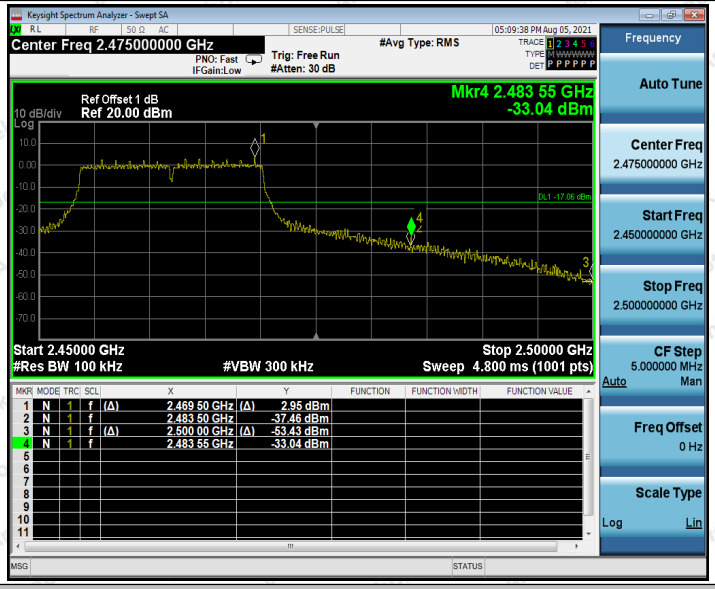


11B_Ant1_High_2462

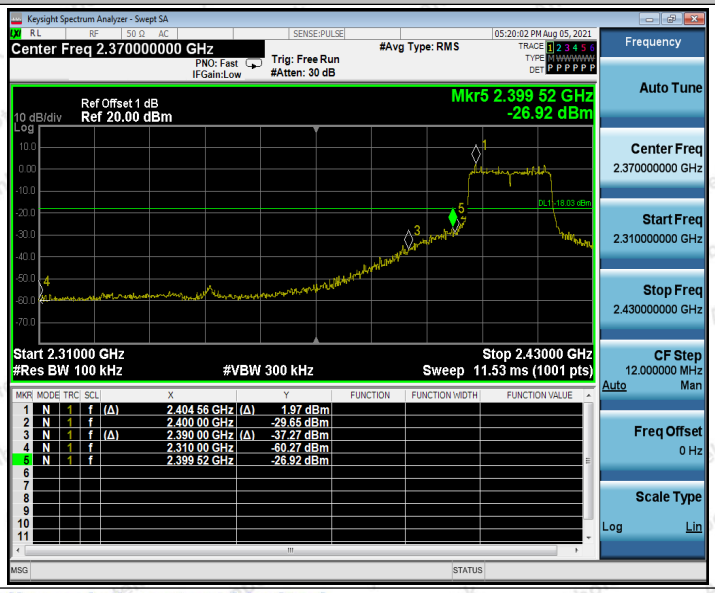
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20_Ant1_Low_2412



11N20_Ant1_High_2462

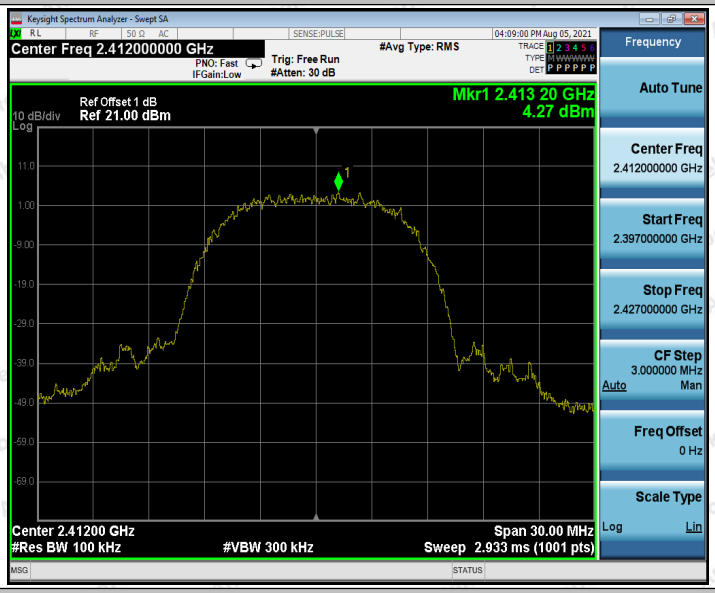
Appendix F: Conducted Spurious Emission

Test Result

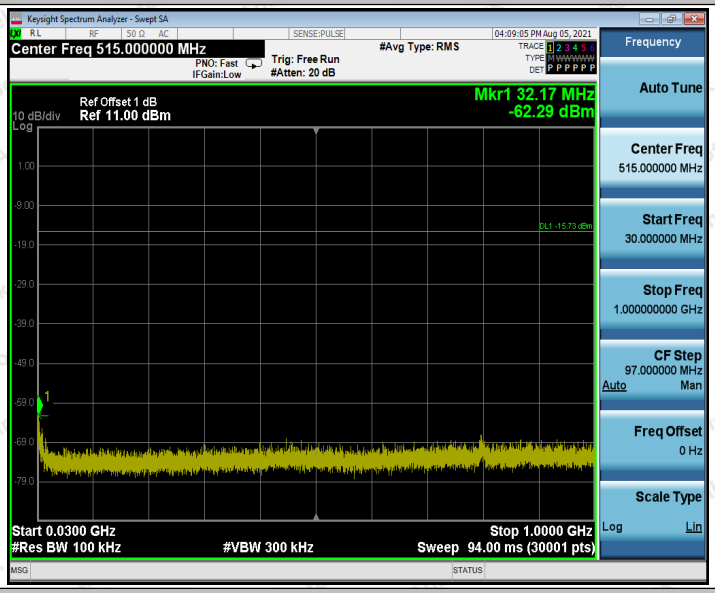
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.27	4.27	---	PASS
			30~1000	4.27	-62.3	<=-15.73	PASS
			1000~26500	4.27	-53.28	<=-15.73	PASS
		2437	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-63.71	<=-17.01	PASS
			1000~26500	2.99	-53.07	<=-17.01	PASS
		2462	Reference	4.90	4.90	---	PASS
			30~1000	4.90	-62.67	<=-15.1	PASS
			1000~26500	4.90	-53.29	<=-15.1	PASS
11G	Ant1	2412	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-66.68	<=-17.12	PASS
			1000~26500	2.88	-51.42	<=-17.12	PASS
		2437	Reference	1.12	1.12	---	PASS
			30~1000	1.12	-64.67	<=-18.88	PASS
			1000~26500	1.12	-53.34	<=-18.88	PASS
		2462	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-66.41	<=-16.97	PASS
			1000~26500	3.03	-53.45	<=-16.97	PASS
11N20	Ant1	2412	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-67.92	<=-17.84	PASS
			1000~26500	2.16	-53.15	<=-17.84	PASS
		2437	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-68.12	<=-19.08	PASS
			1000~26500	0.92	-54.09	<=-19.08	PASS
		2462	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-67.45	<=-17.32	PASS
			1000~26500	2.68	-53.66	<=-17.32	PASS

Test Graphs

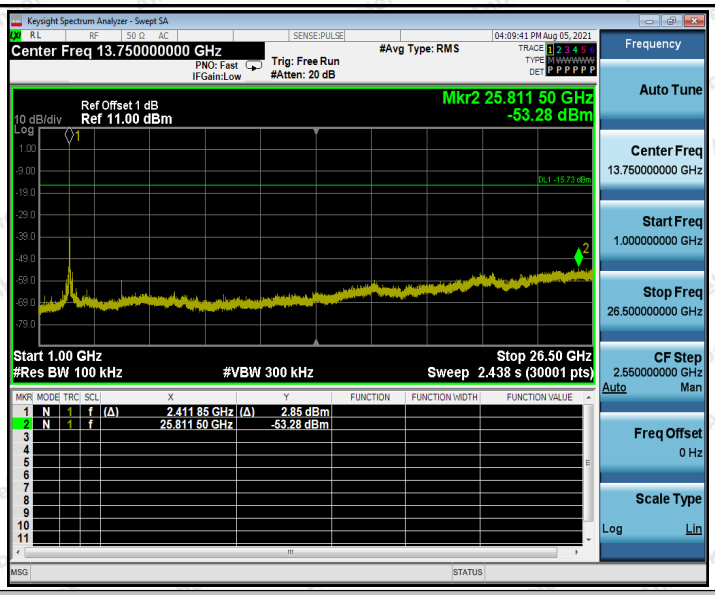
11B_Ant1_2412_0~Reference



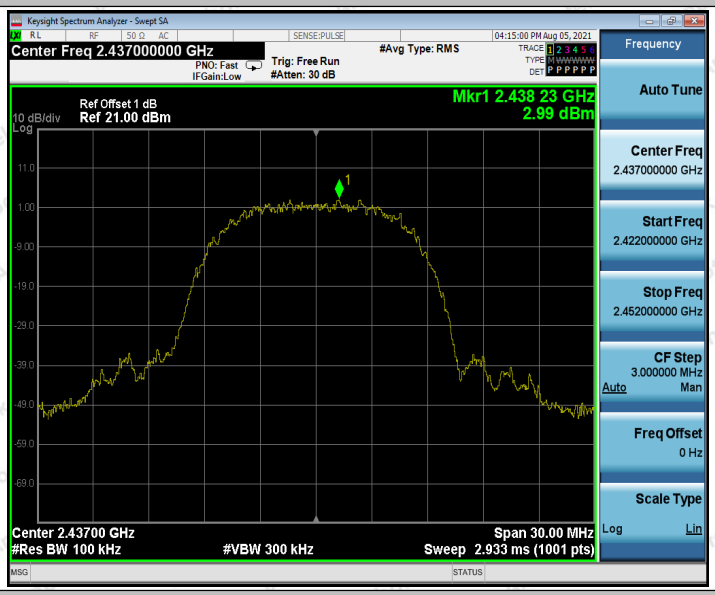
11B_Ant1_2412_30~1000



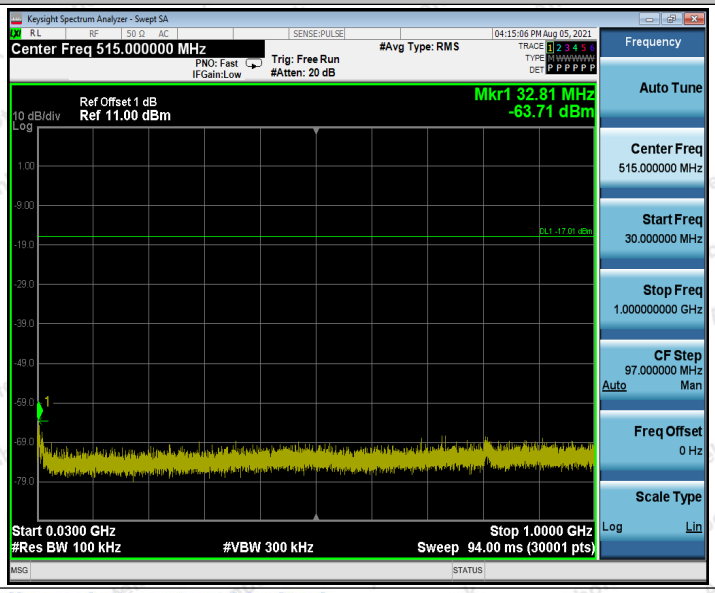
11B_Ant1_2412_1000~26500



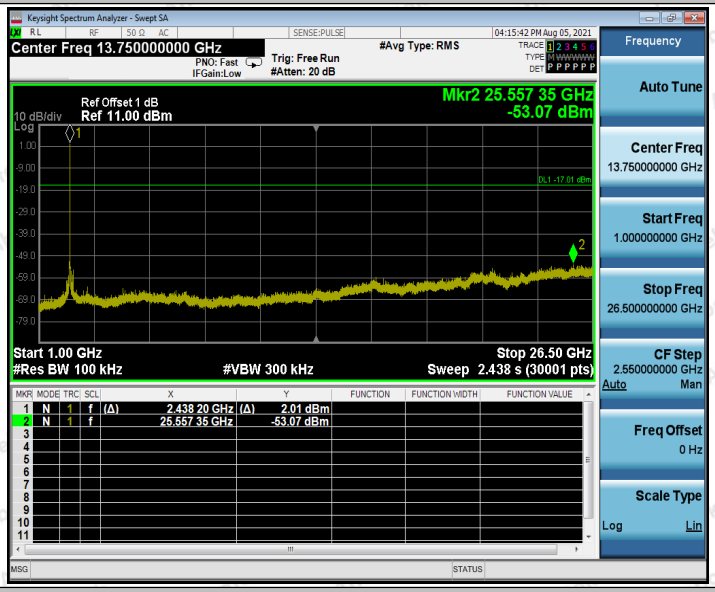
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

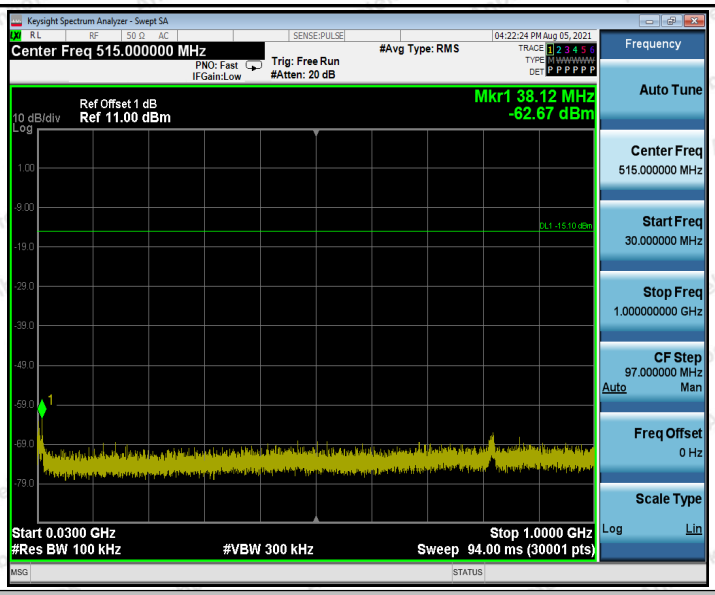


11B_Ant1_2437_1000~26500

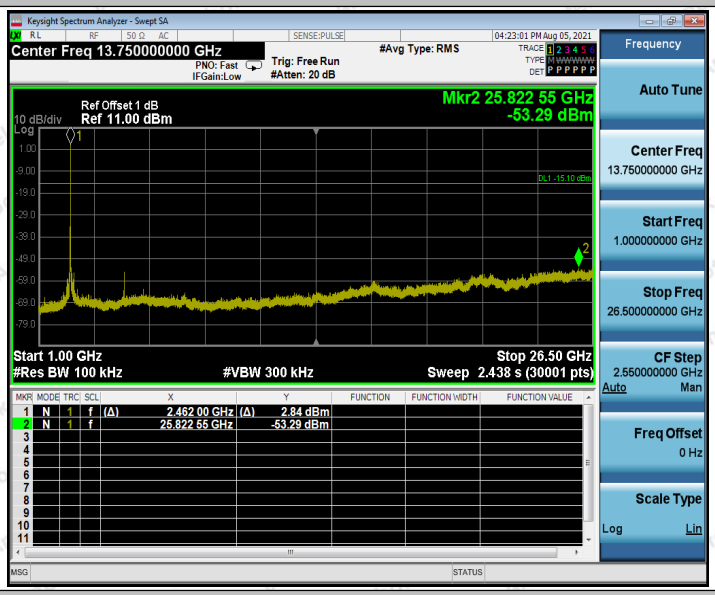


11B_Ant1_2462_0~Reference

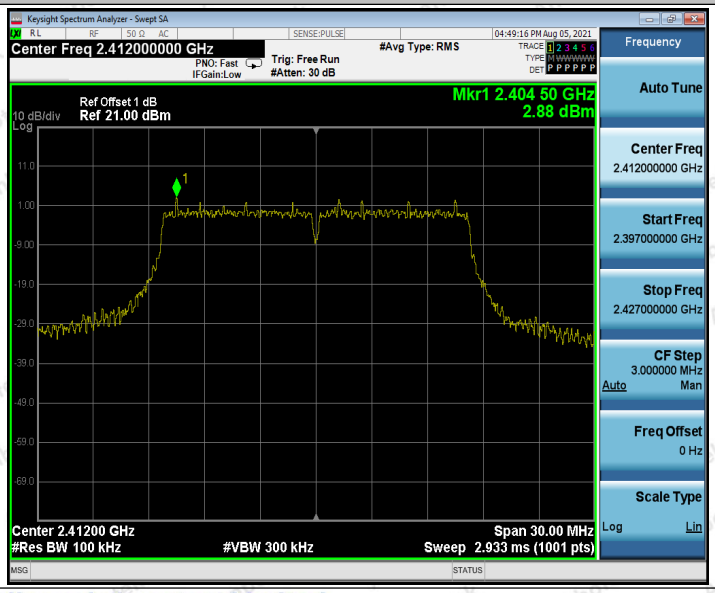
11B_Ant1_2462_30~1000



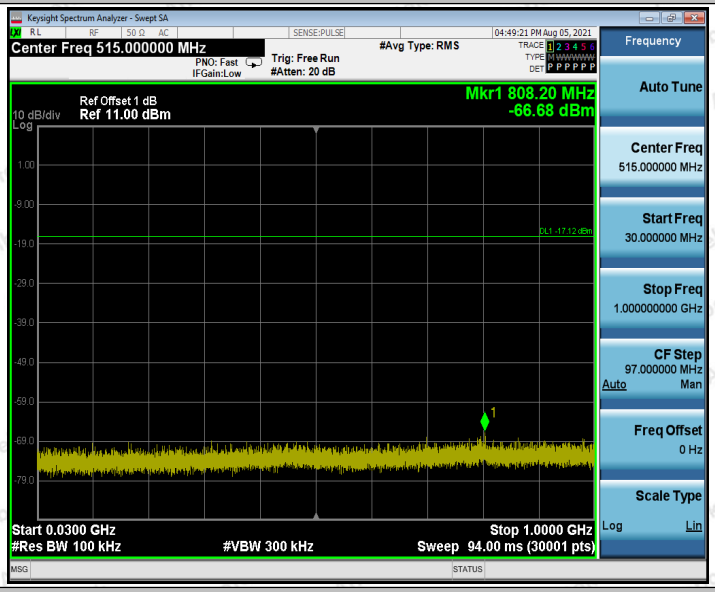
11B_Ant1_2462_1000~26500



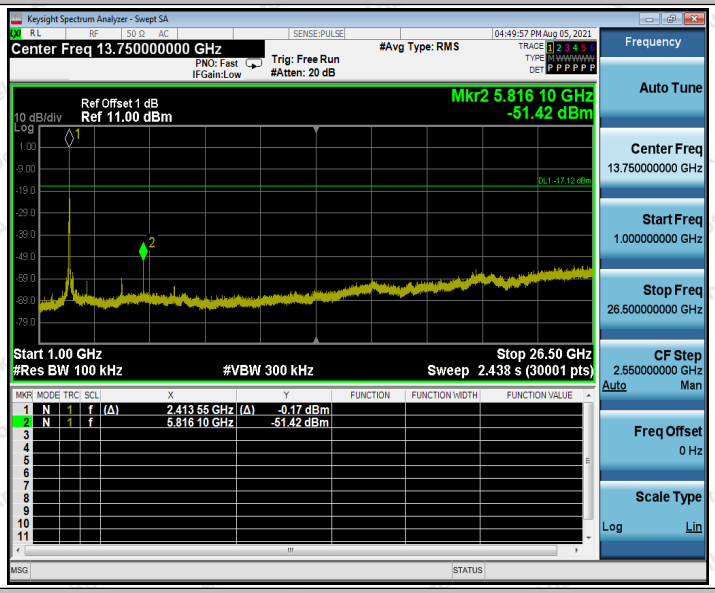
11G_Ant1_2412_0~Reference



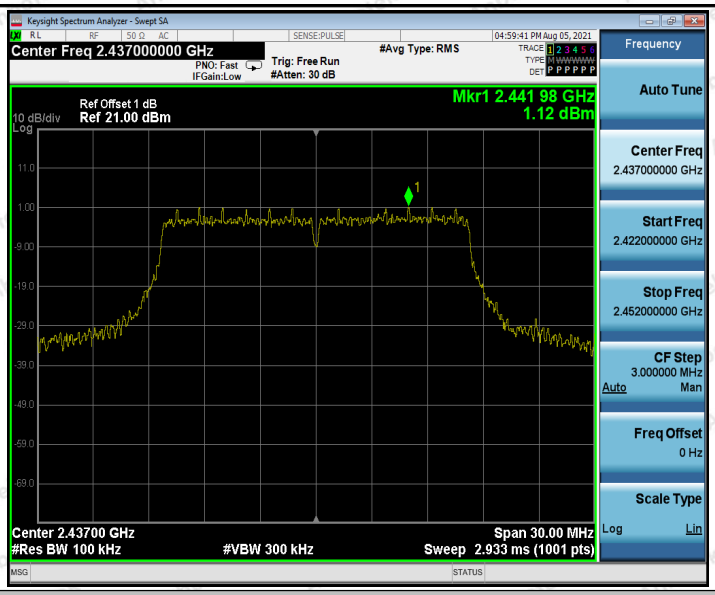
11G_Ant1_2412_30~1000



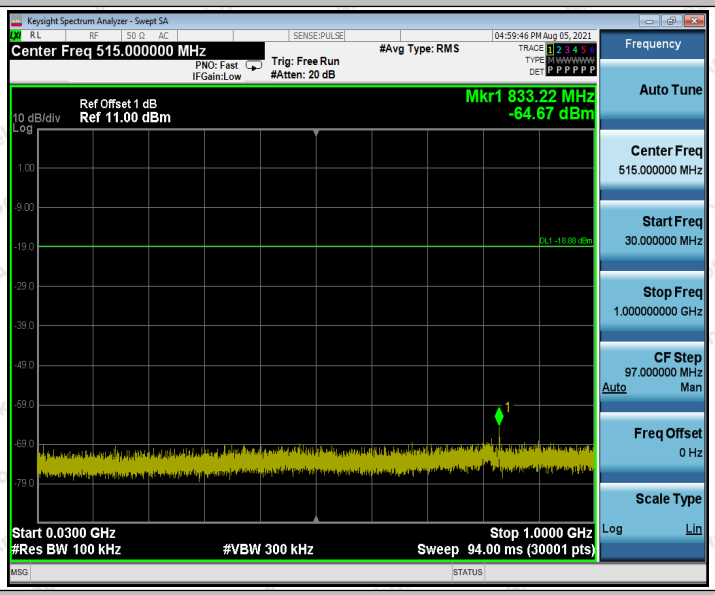
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



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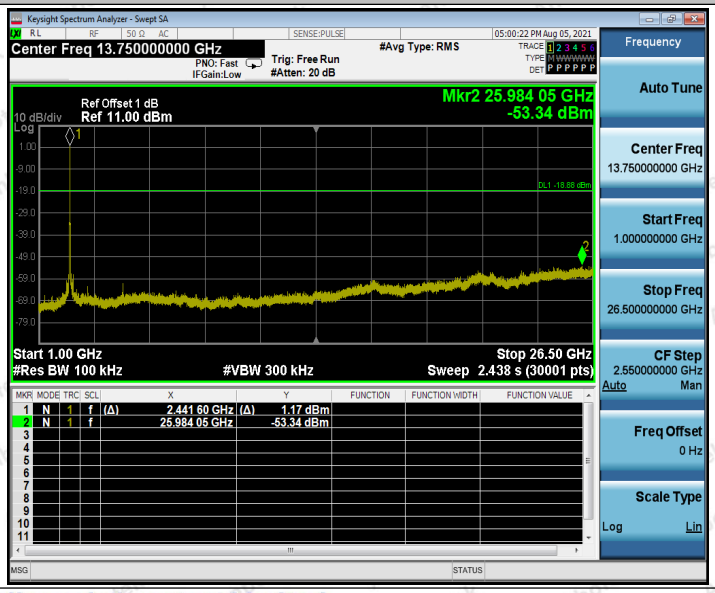
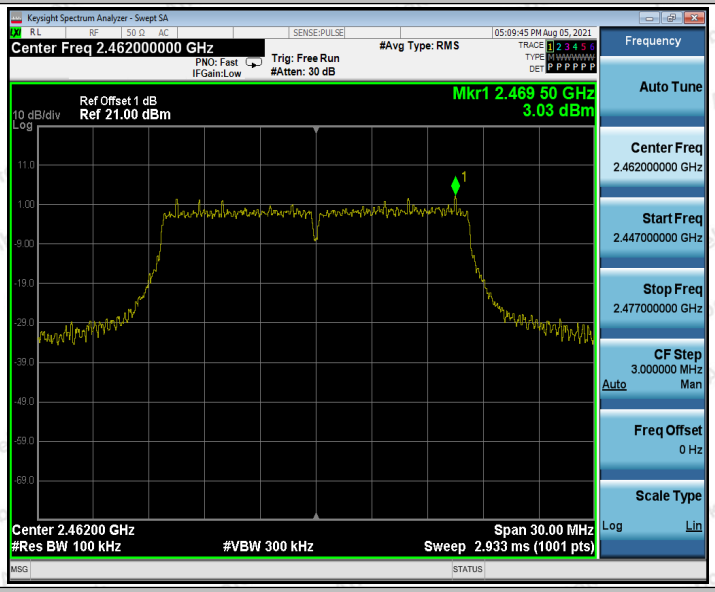


11G_Ant1_2462_0~Reference



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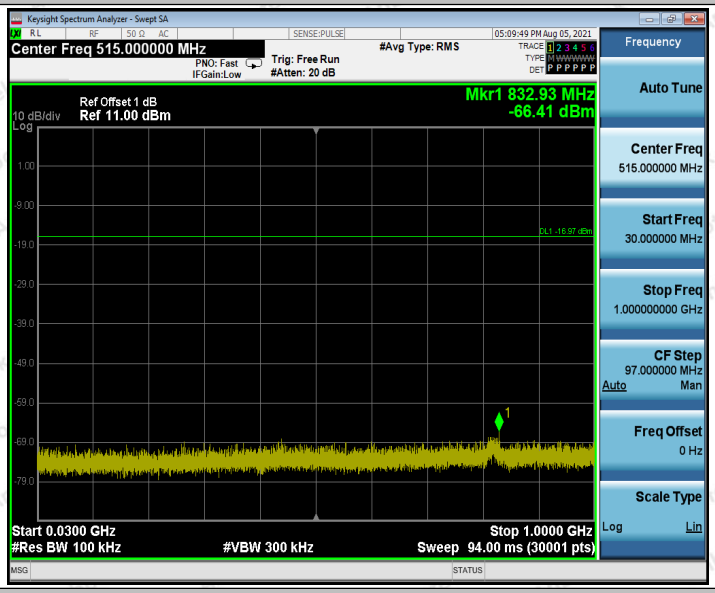

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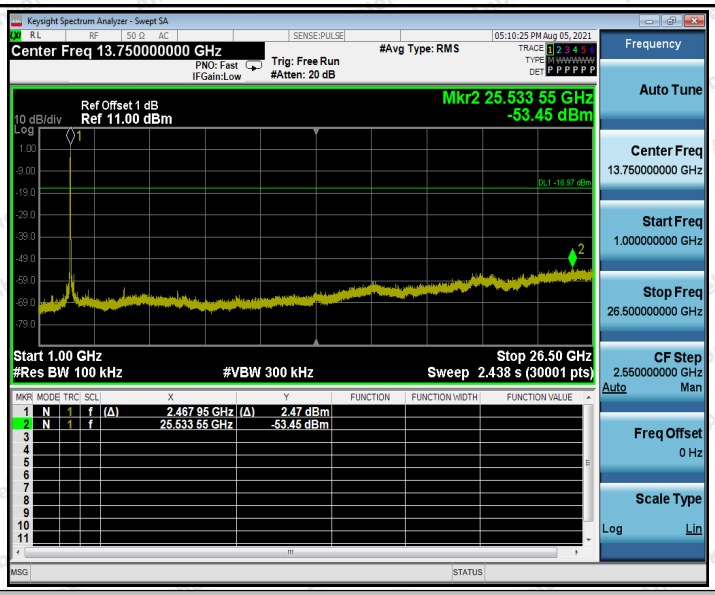

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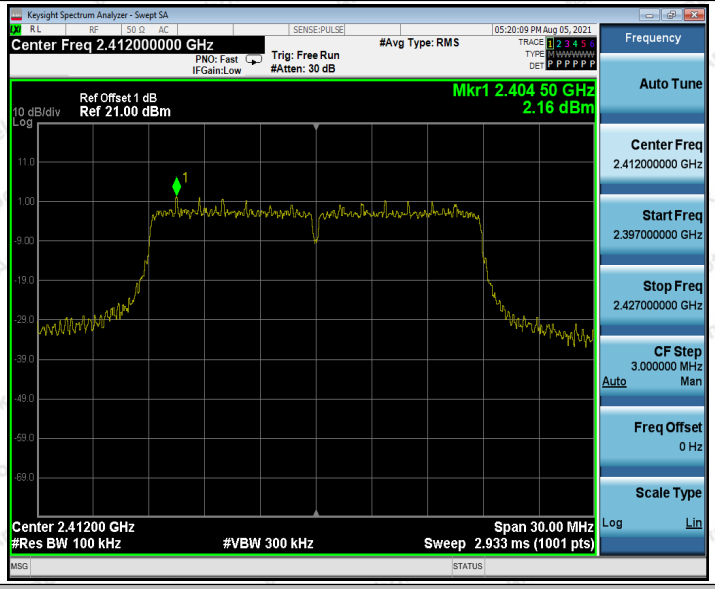

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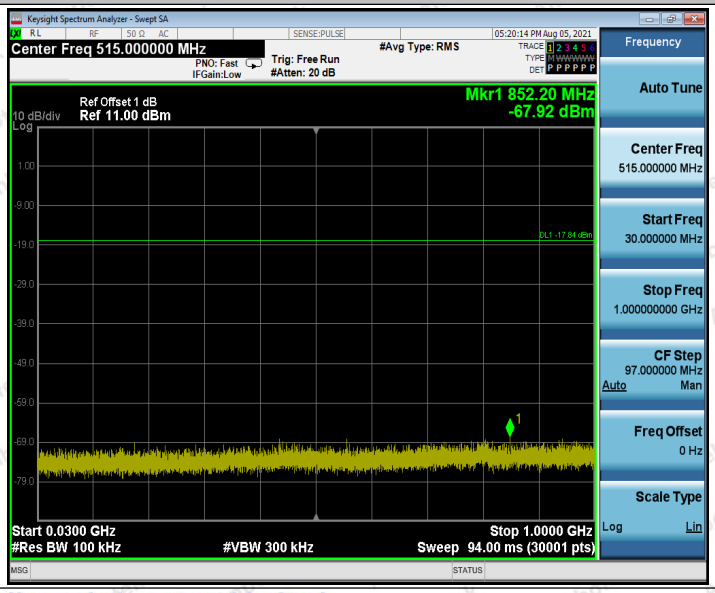

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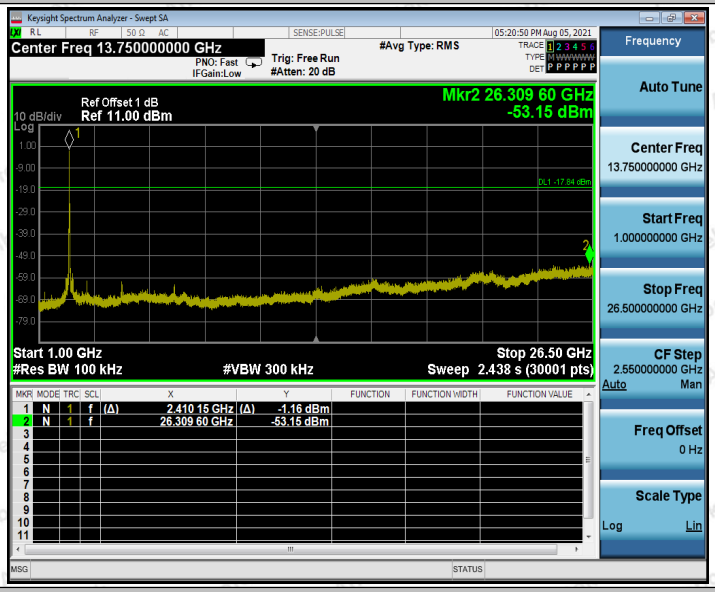

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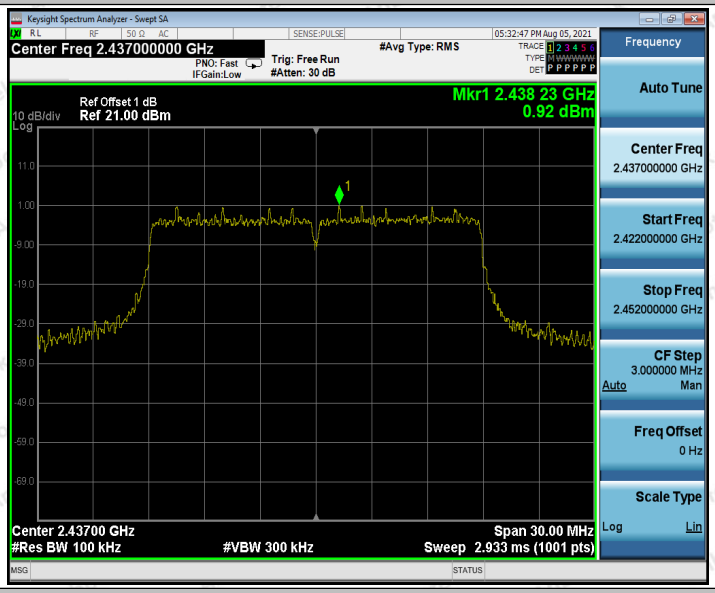

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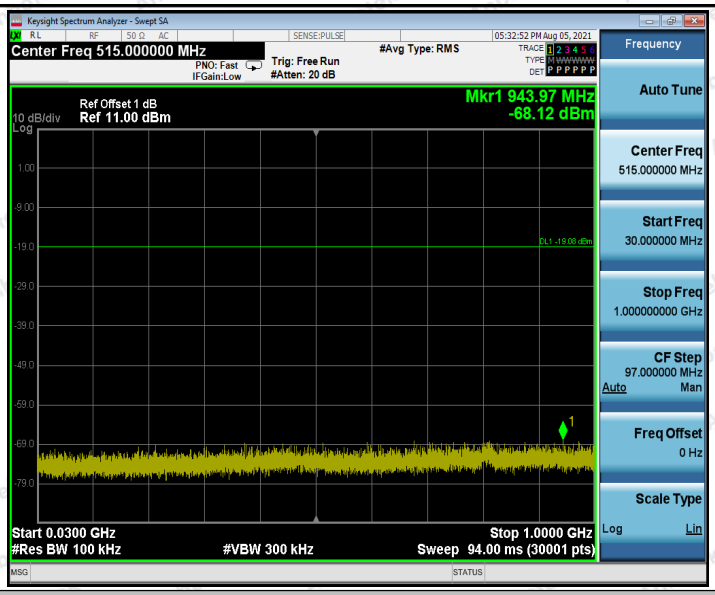

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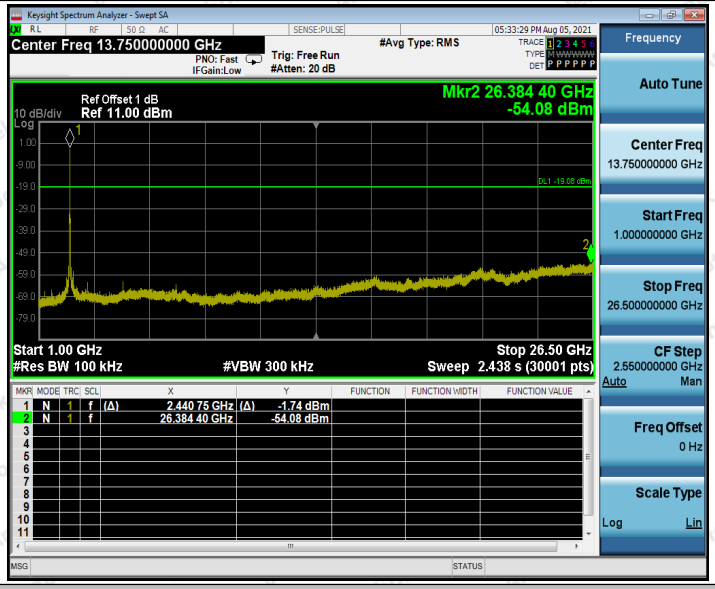
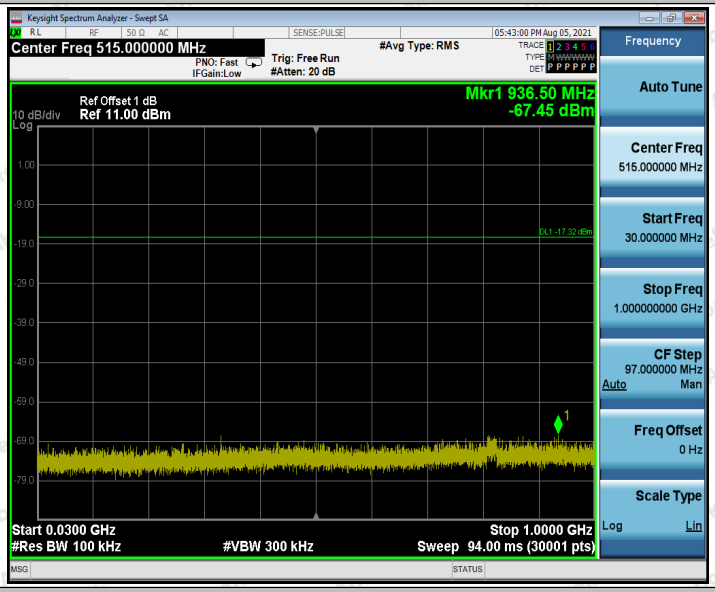


11N20_Ant1_2462_0~Reference

11N20_Ant1_2462_30~1000



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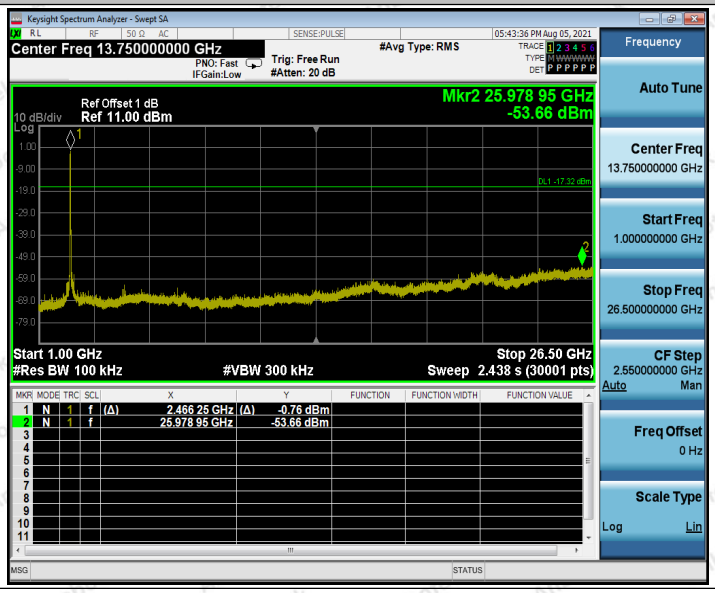


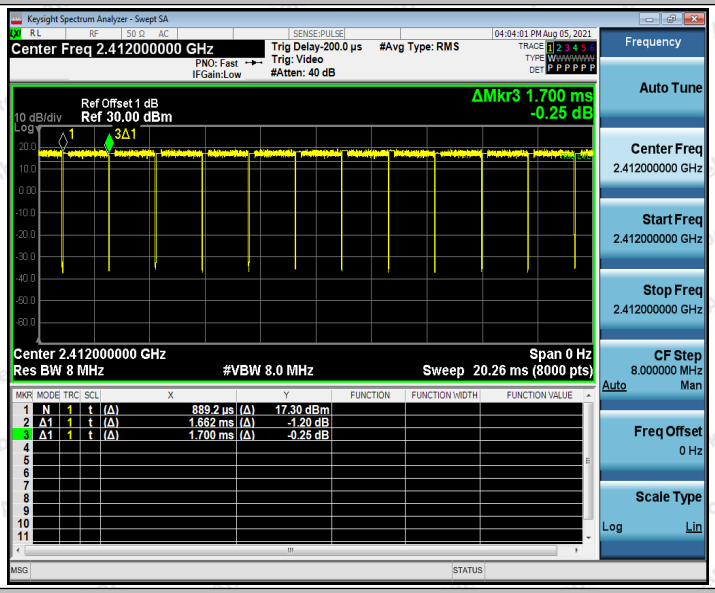
Appendix G: Duty Cycle

Test Result

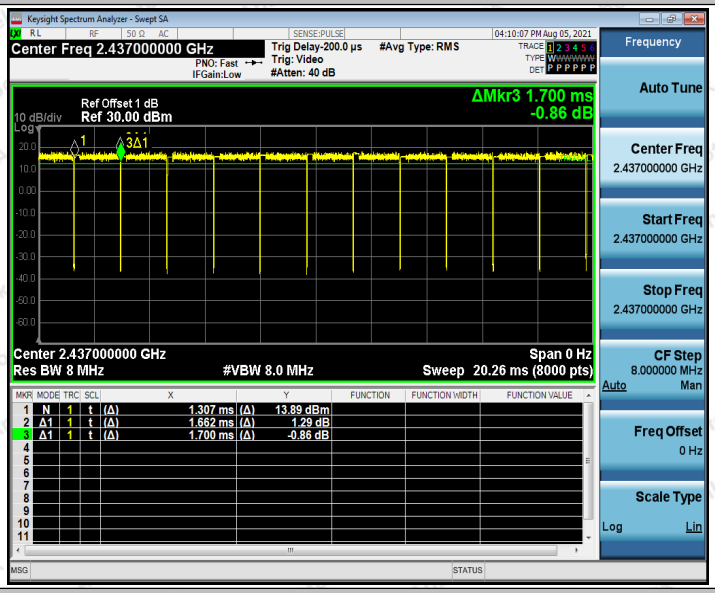
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	1.66	1.70	97.65	---	PASS
		2437	1.66	1.70	97.65	---	PASS
		2462	1.66	1.70	97.65	---	PASS
11G	Ant1	2412	2.73	2.77	98.56	---	PASS
		2437	2.73	2.77	98.56	---	PASS
		2462	2.73	2.77	98.56	---	PASS
11N20	Ant1	2412	2.53	2.57	98.44	---	PASS
		2437	2.53	2.57	98.44	---	PASS
		2462	2.53	2.57	98.44	---	PASS

Test Graphs

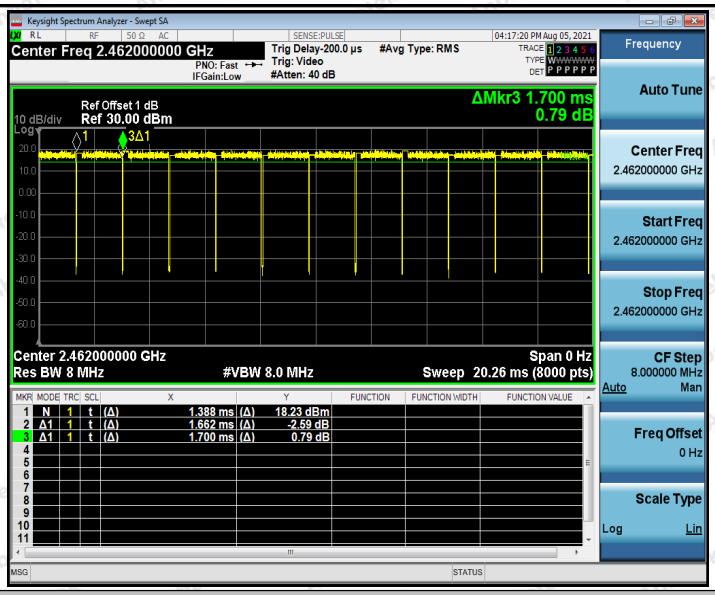
11B_Ant1_2412



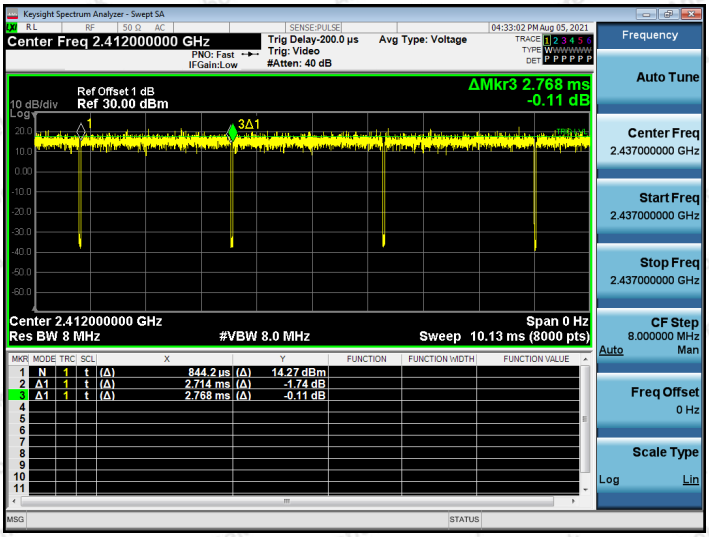
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



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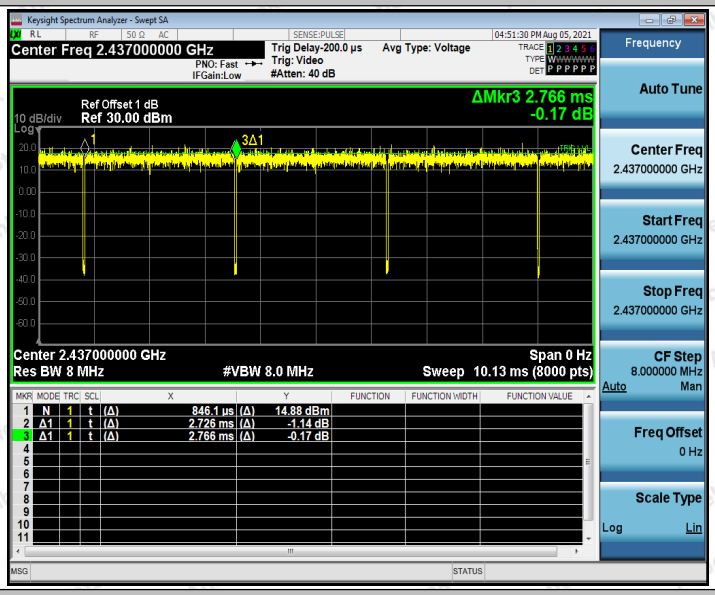
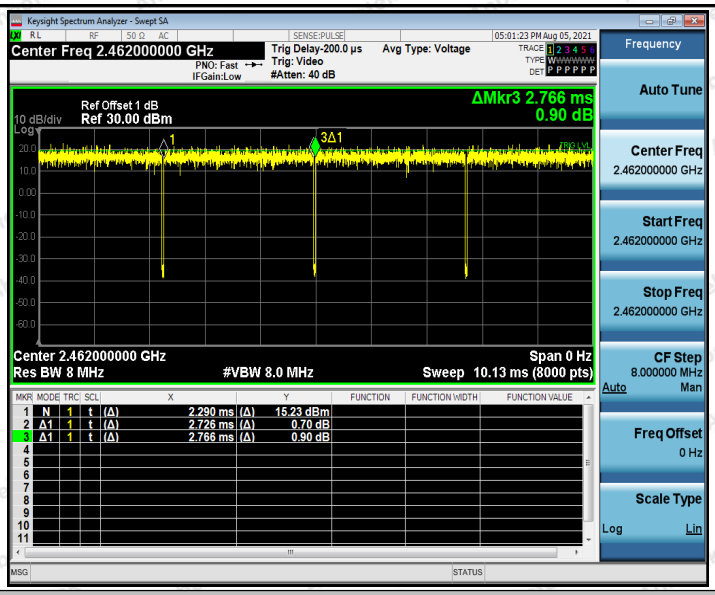


11G_Ant1_2462



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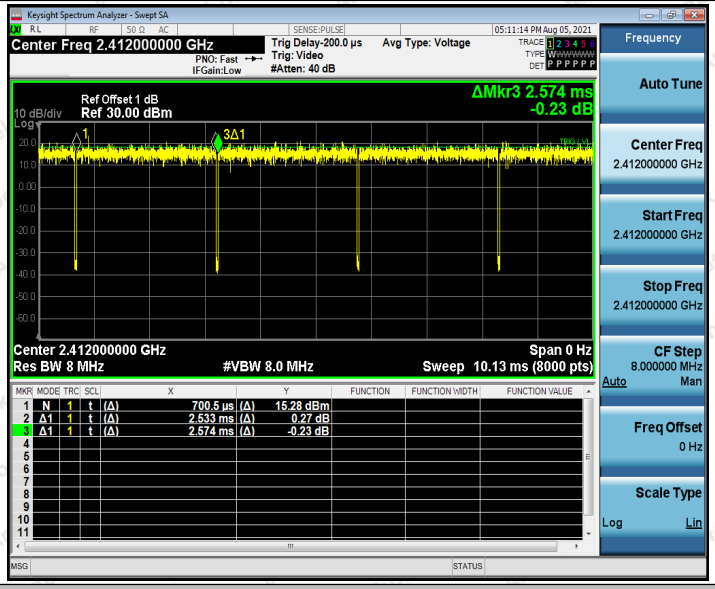
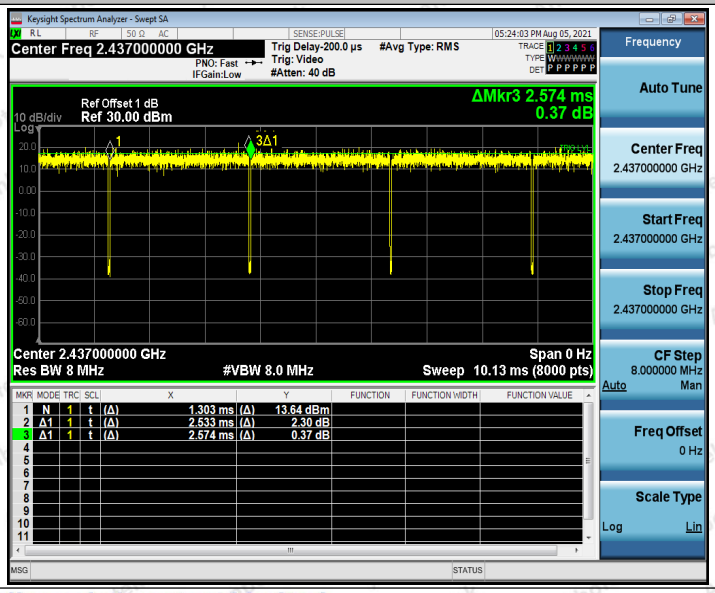


11N20_Ant1_2437



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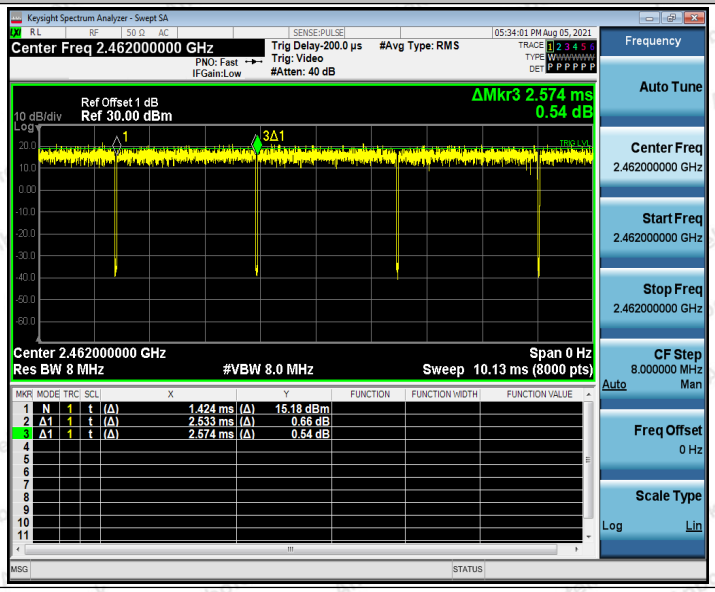

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