



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: The tablet

Test Model: DS808

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





C.1 6dB Bandwidth

Test Result

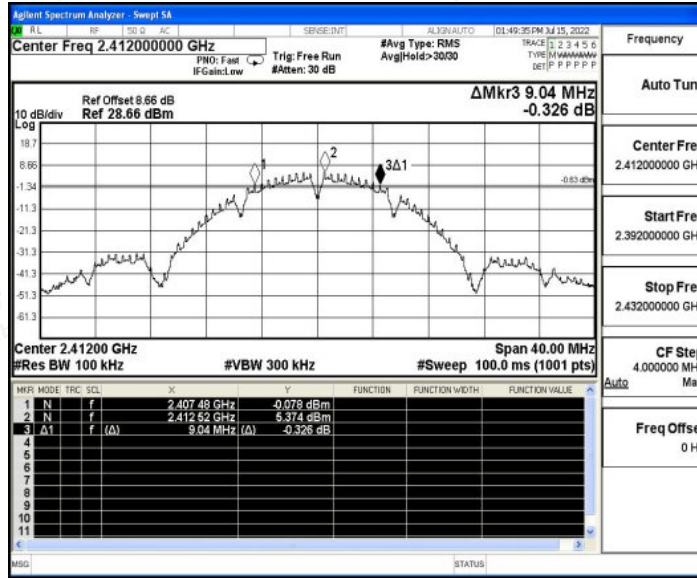
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	8.520	2432.520	2441.040	0.5	PASS
		2462	9.000	2457.520	2466.520	0.5	PASS
11G	Ant1	2412	15.320	2404.240	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.320	2454.240	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS



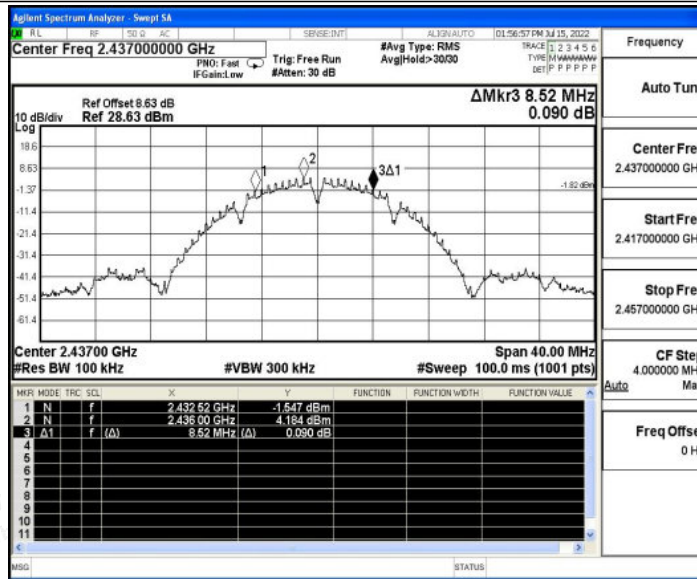


Test Graphs

11B_Ant1_2412

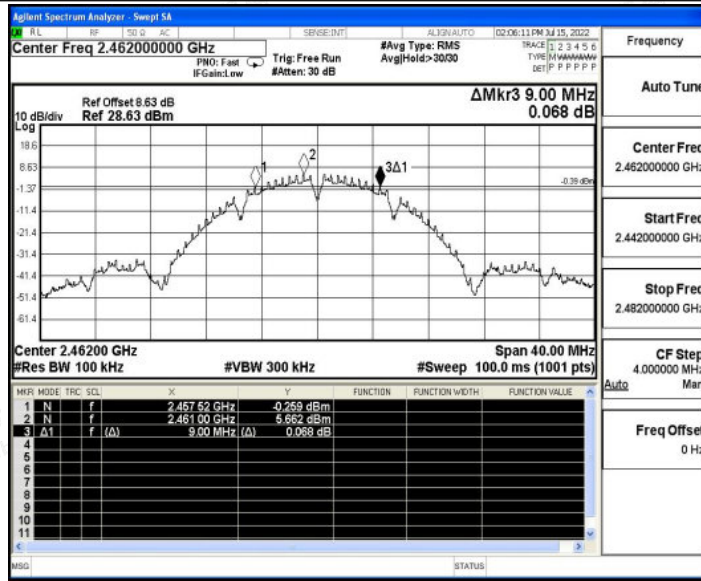


11B_Ant1_2437

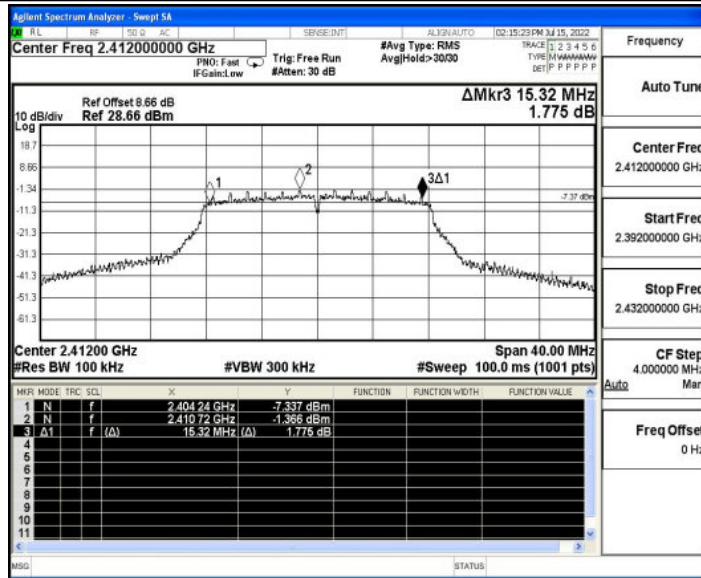


11B_Ant1_2462



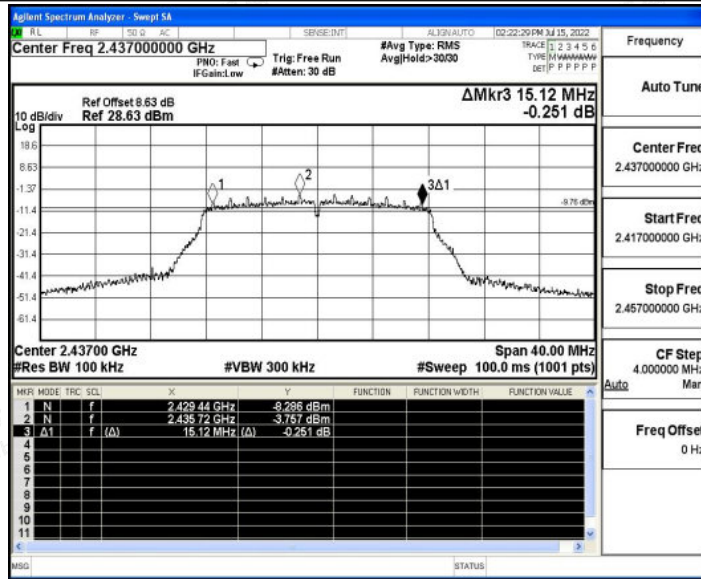


11G_Ant1_2412

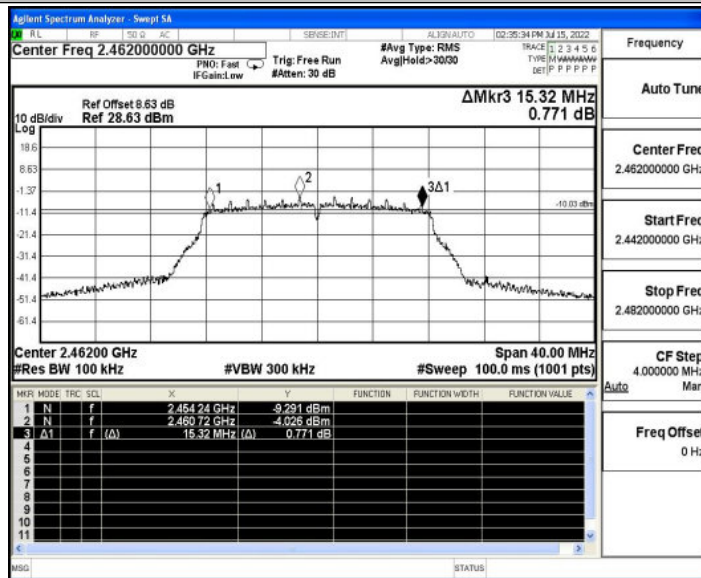


11G_Ant1_2437



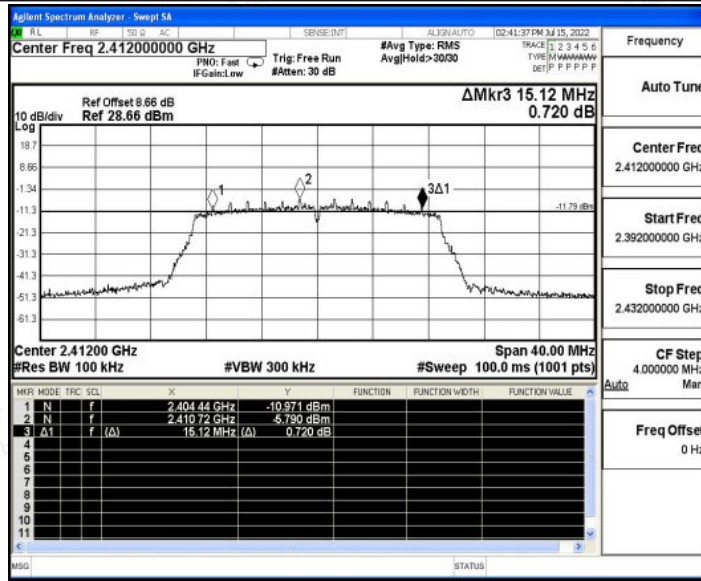


11G_Ant1_2462

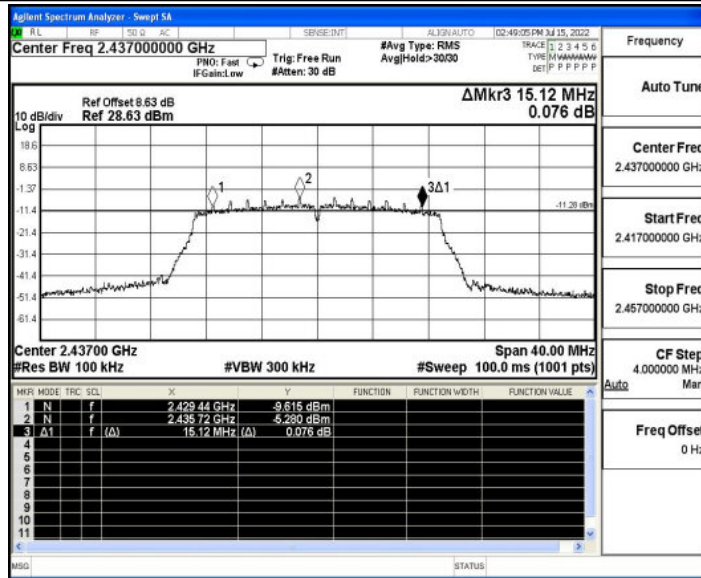


11N20SISO_Ant1_2412



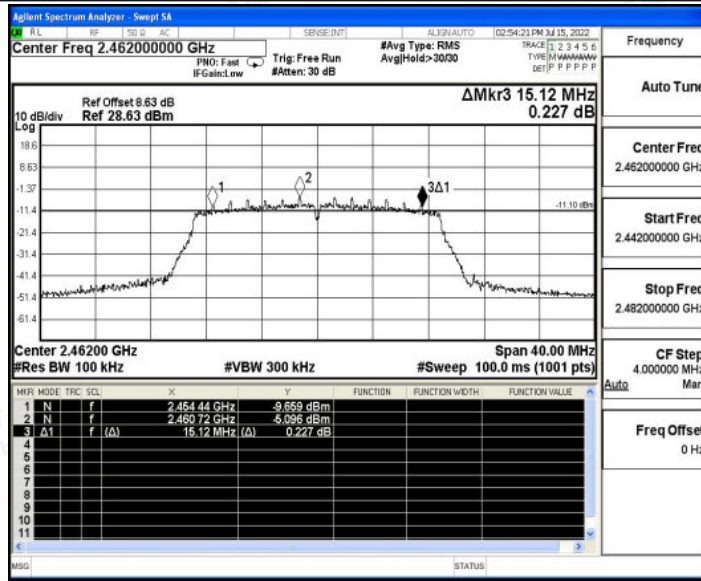


11N20SISO_Ant1_2437

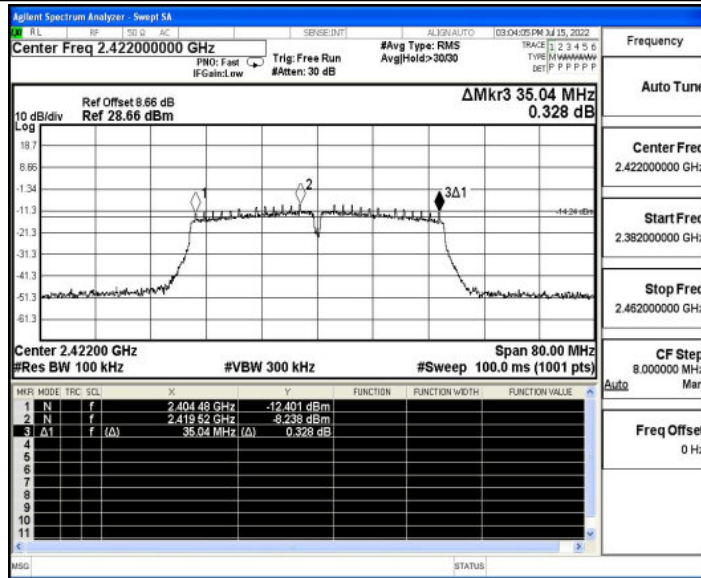


11N20SISO_Ant1_2462



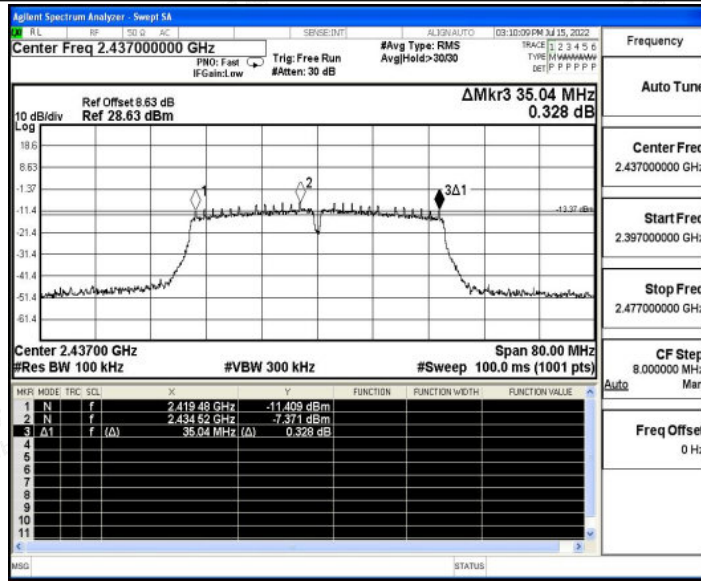


11N40SISO_Ant1_2422

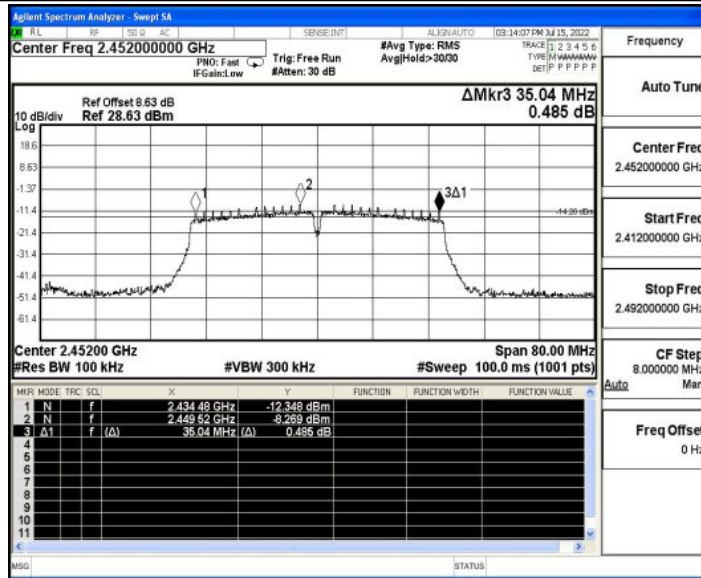


11N40SISO_Ant1_2437





11N40SISO_Ant1_2452





C.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.88	≤30.00	PASS
		2437	15.33	≤30.00	PASS
		2462	16.81	≤30.00	PASS
11G	Ant1	2412	14.74	≤30.00	PASS
		2437	14.86	≤30.00	PASS
		2462	14.41	≤30.00	PASS
11N20SISO	Ant1	2412	13.06	≤30.00	PASS
		2437	13.03	≤30.00	PASS
		2462	13.43	≤30.00	PASS
11N40SISO	Ant1	2422	12.78	≤30.00	PASS
		2437	12.23	≤30.00	PASS
		2452	12.17	≤30.00	PASS





C.3 Maximum power spectral density

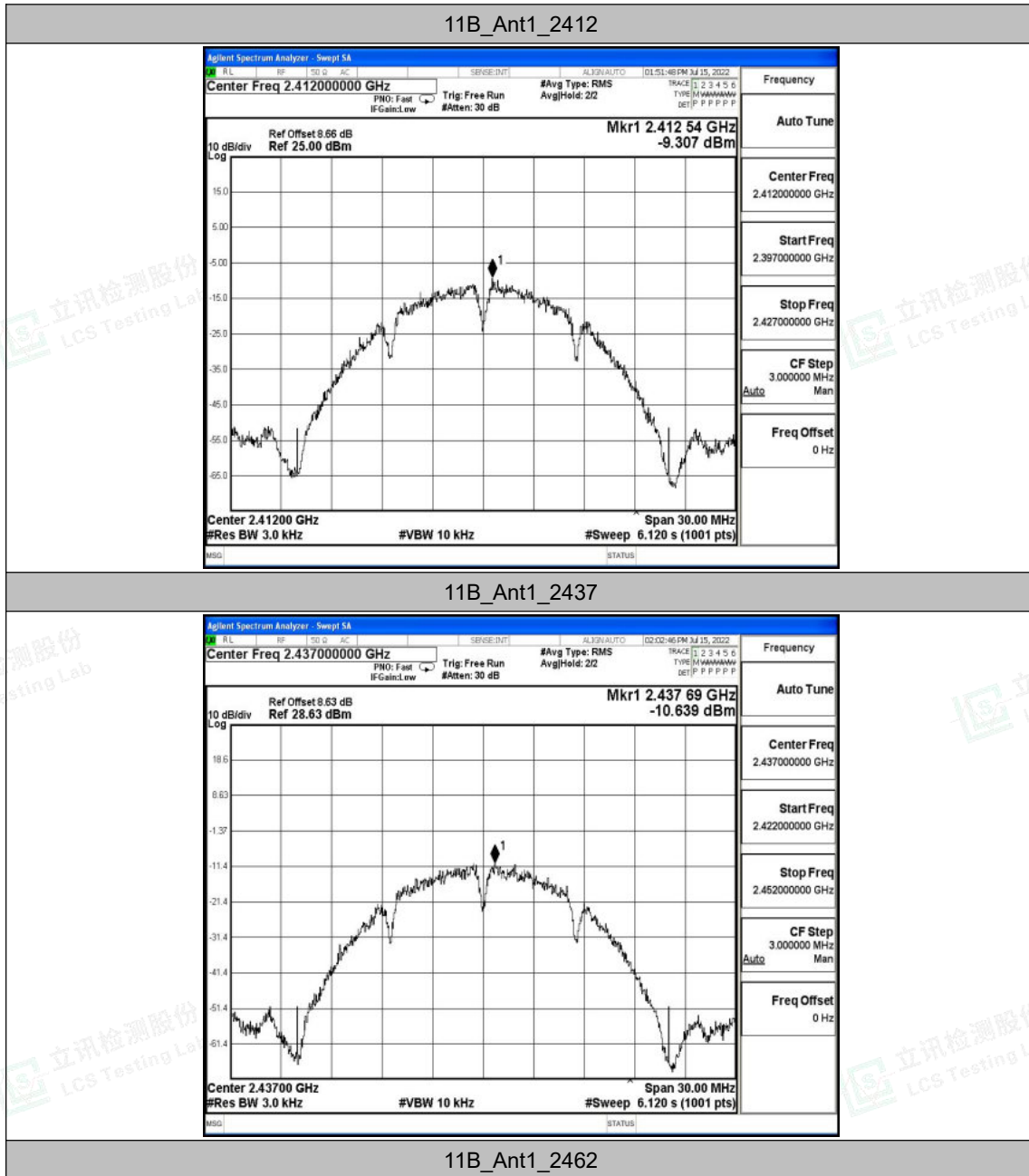
Test Result

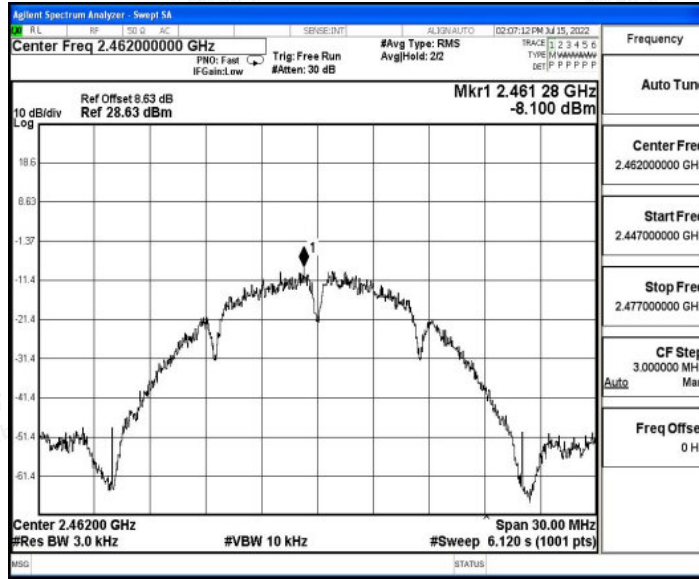
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.31	≤8.00	PASS
		2437	-10.64	≤8.00	PASS
		2462	-8.1	≤8.00	PASS
11G	Ant1	2412	-17.71	≤8.00	PASS
		2437	-18.2	≤8.00	PASS
		2462	-18.33	≤8.00	PASS
11N20SISO	Ant1	2412	-20.53	≤8.00	PASS
		2437	-20.65	≤8.00	PASS
		2462	-19.33	≤8.00	PASS
11N40SISO	Ant1	2422	-23.38	≤8.00	PASS
		2437	-22.98	≤8.00	PASS
		2452	-22.17	≤8.00	PASS



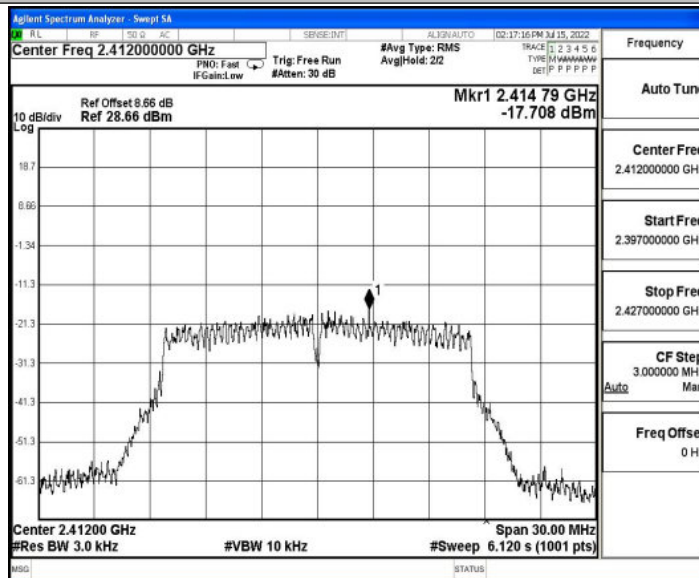


Test Graphs





11G_Ant1_2412

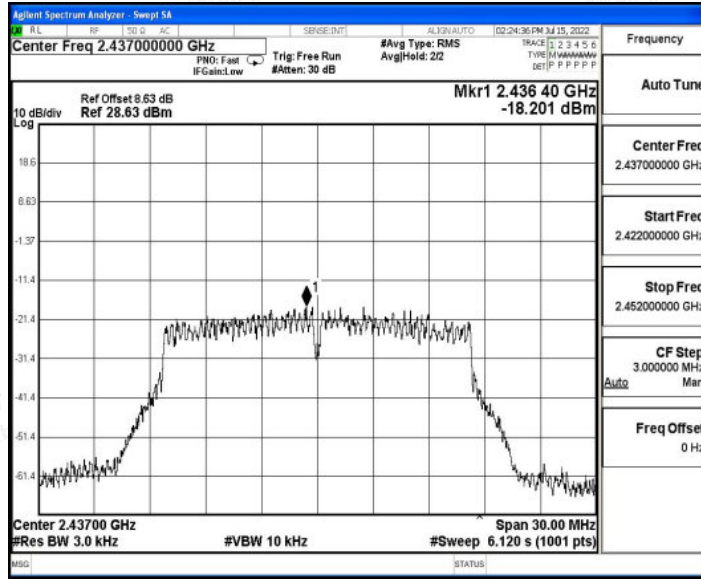


11G_Ant1_2437

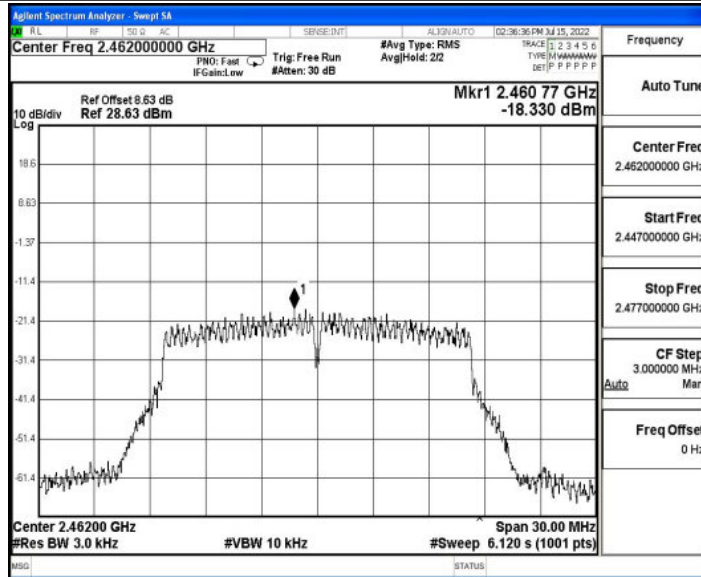




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11G_Ant1_2462

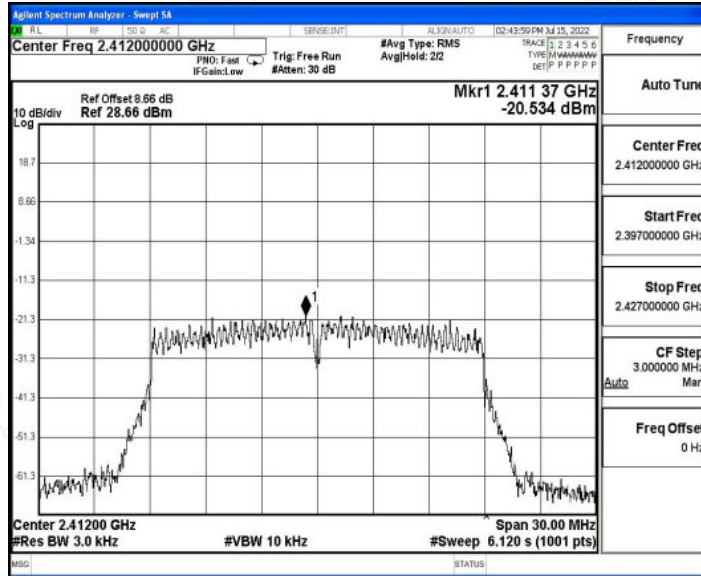


11N20SISO_Ant1_2412

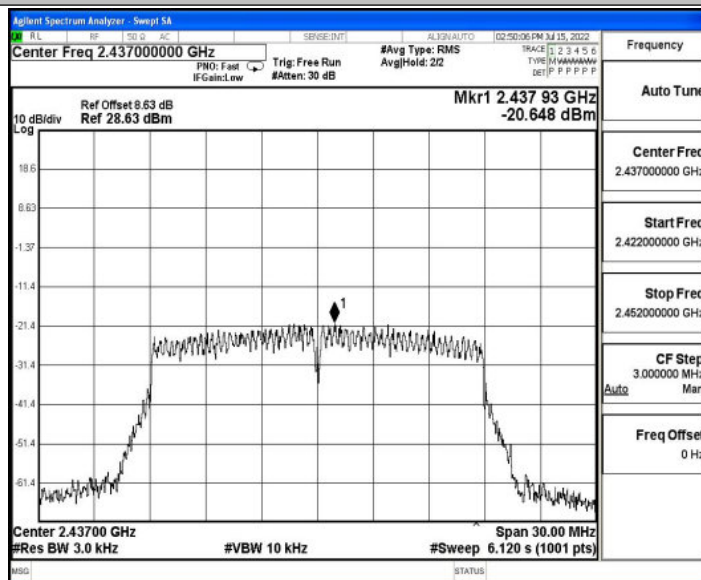




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11N20SISO_Ant1_2437

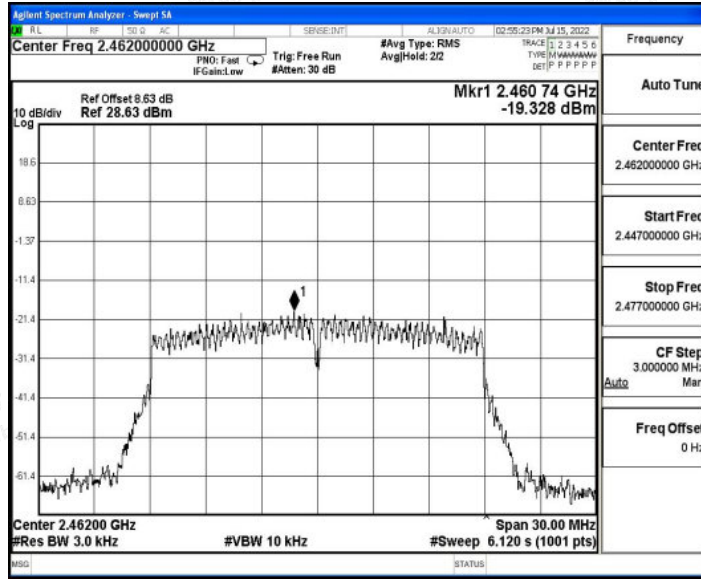


11N20SISO_Ant1_2462

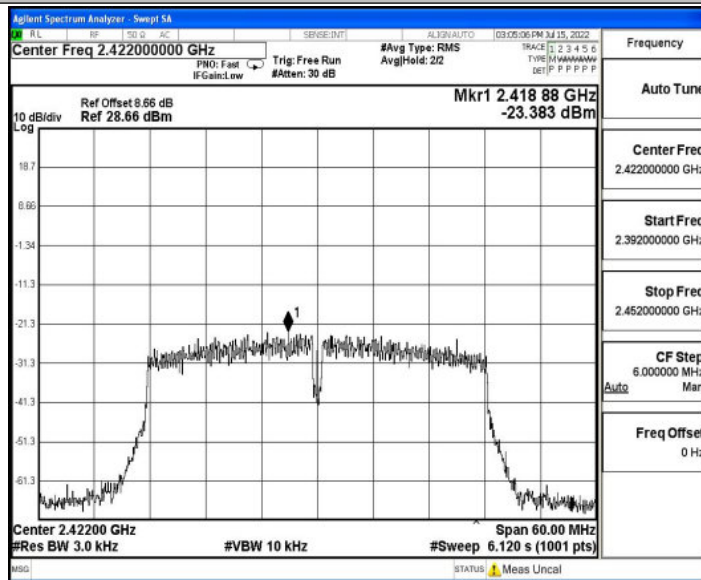




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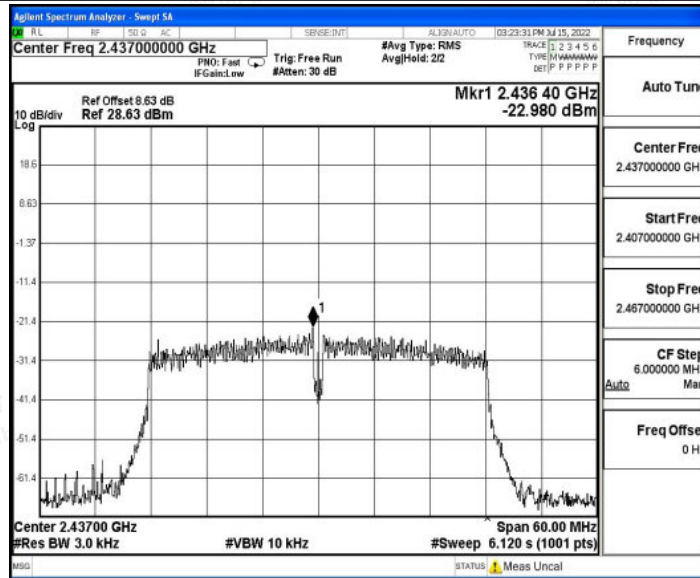


11N40SISO_Ant1_2422

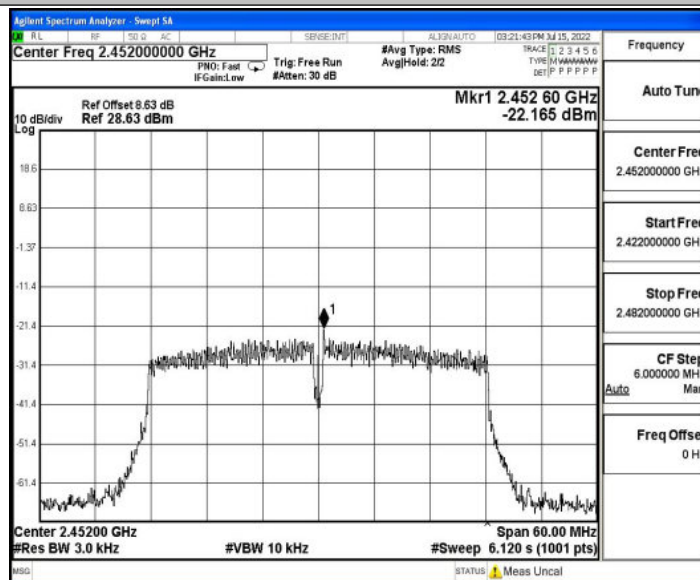


11N40SISO_Ant1_2437





11N40SISO_Ant1_2452





C.4 Band edge measurements

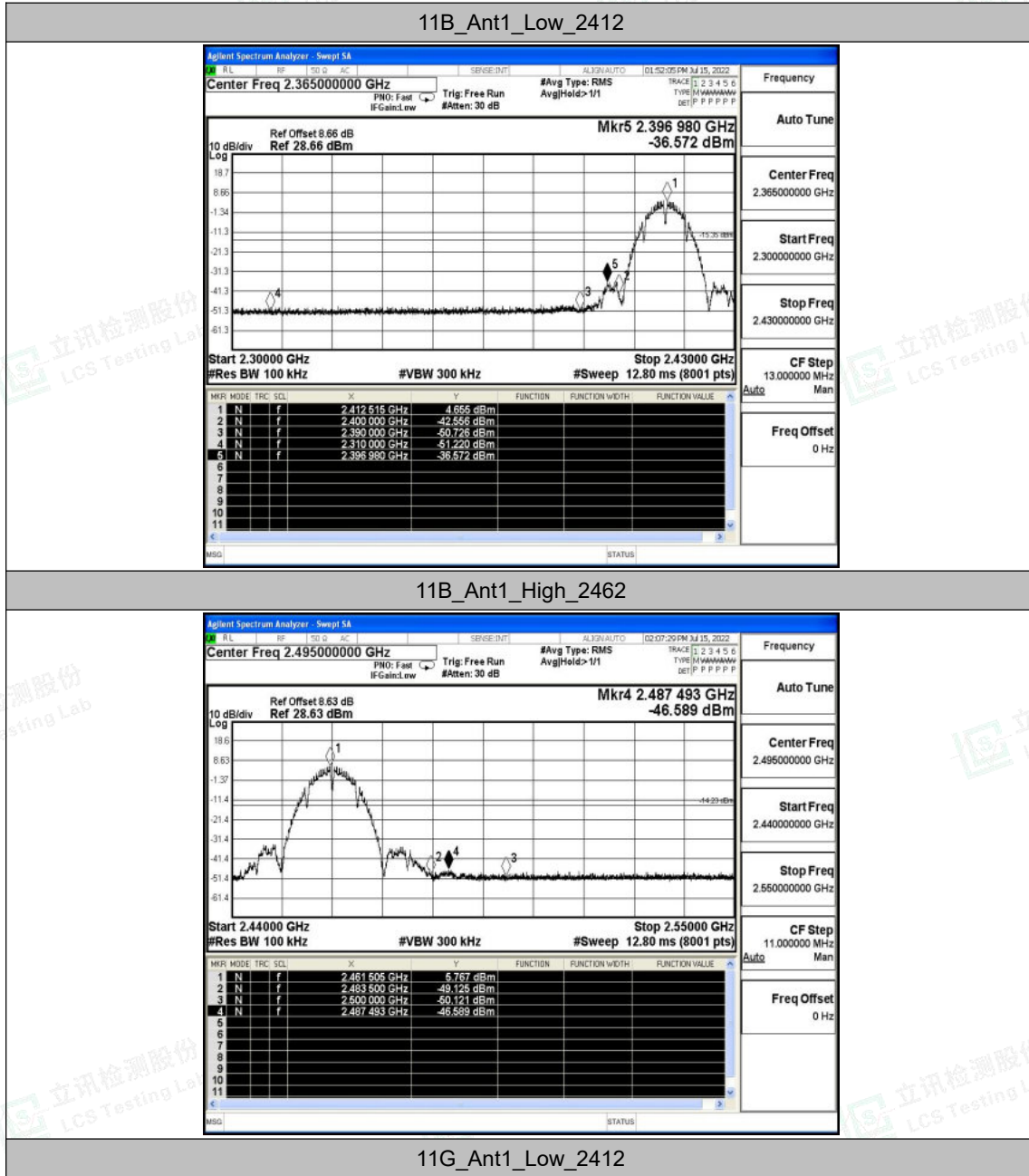
Test Result

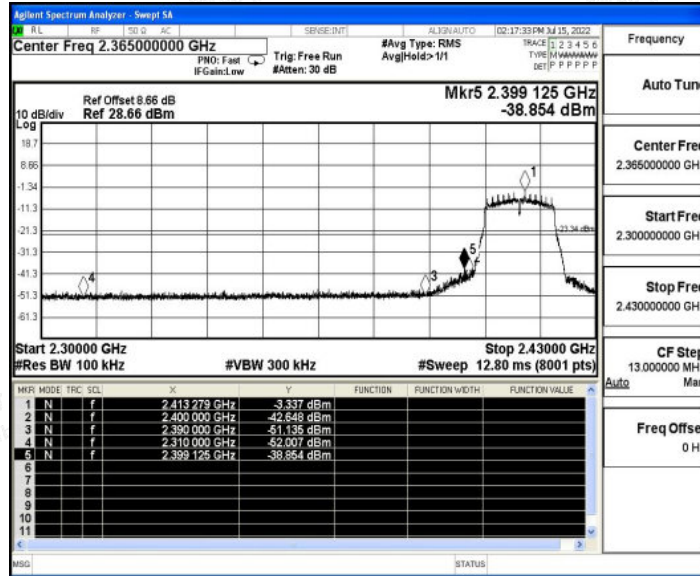
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.66	-36.57	≤-15.35	PASS
		High	2462	5.77	-46.59	≤-14.23	PASS
11G	Ant1	Low	2412	-3.34	-38.85	≤-23.34	PASS
		High	2462	-3.80	-47.98	≤-23.8	PASS
11N20SISO	Ant1	Low	2412	-4.91	-43.4	≤-24.91	PASS
		High	2462	-4.60	-47.95	≤-24.6	PASS
11N40SISO	Ant1	Low	2422	-8.35	-46.07	≤-28.35	PASS
		High	2452	-8.20	-46.89	≤-28.2	PASS



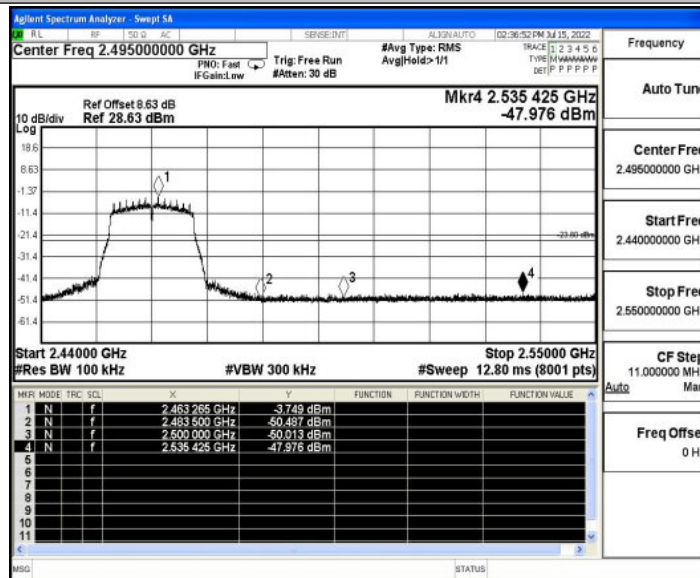


Test Graphs



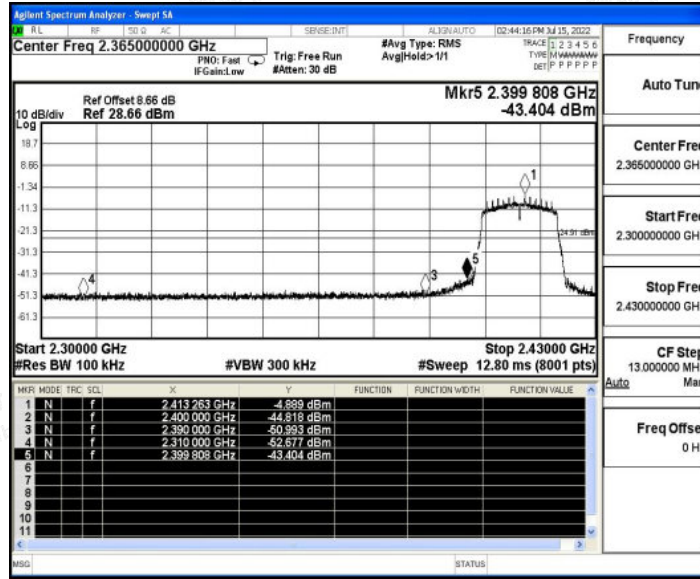


11G_Ant1_High_2462

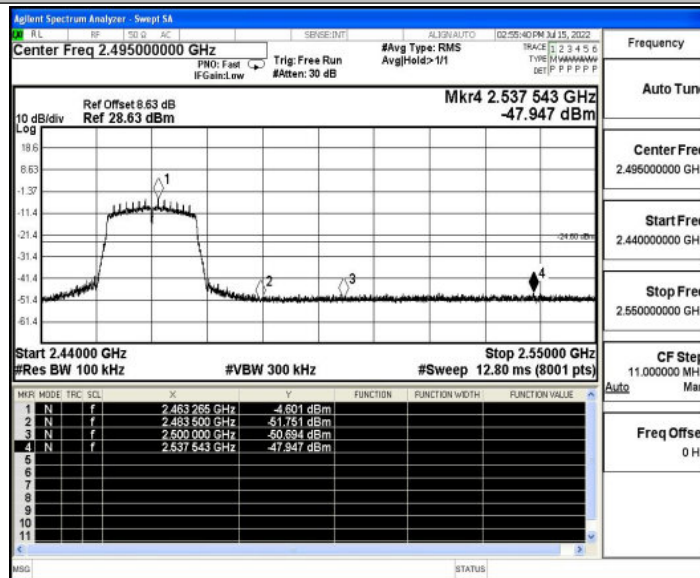


11N20SISO_Ant1_Low_2412



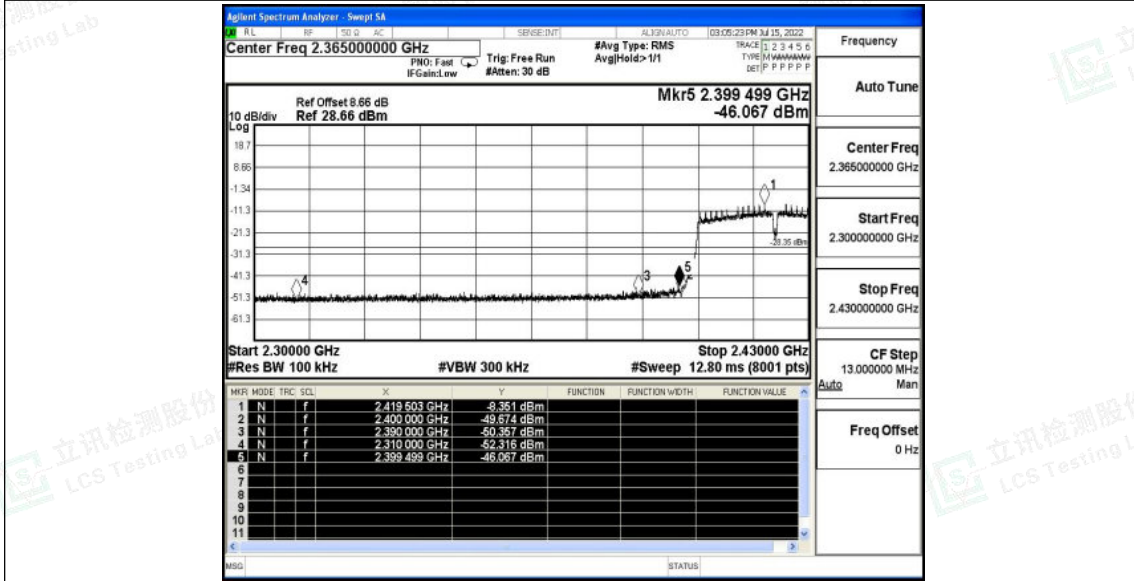


11N20SISO_Ant1_High_2462

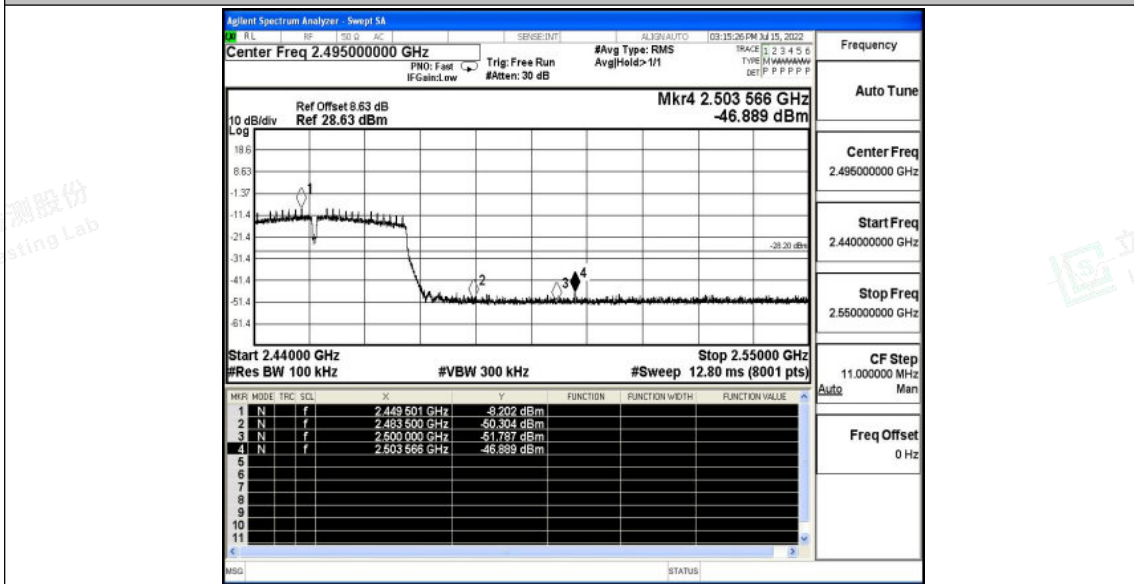


11N40SISO_Ant1_Low_2422





11N40SISO_Ant1_High_2452





C.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-44.47	≤-16	PASS
			1000~26500	4.00	-45.78	≤-16	PASS
		2437	Reference	4.03	4.03	---	PASS
			30~1000	4.03	-57.06	≤-15.97	PASS
			1000~26500	4.03	-46.44	≤-15.97	PASS
		2462	Reference	5.90	5.90	---	PASS
			30~1000	5.90	-48.43	≤-14.1	PASS
			1000~26500	5.90	-45.65	≤-14.1	PASS
11G	Ant1	2412	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-56.62	≤-23.15	PASS
			1000~26500	-3.15	-46.19	≤-23.15	PASS
		2437	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-56.1	≤-23.22	PASS
			1000~26500	-3.22	-46.1	≤-23.22	PASS
		2462	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-48.68	≤-23.62	PASS
			1000~26500	-3.62	-45.98	≤-23.62	PASS
11N20SISO	Ant1	2412	Reference	-5.11	-5.11	---	PASS
			30~1000	-5.11	-55.63	≤-25.11	PASS
			1000~26500	-5.11	-45.98	≤-25.11	PASS
		2437	Reference	-5.78	-5.78	---	PASS
			30~1000	-5.78	-55.51	≤-25.78	PASS
			1000~26500	-5.78	-46.1	≤-25.78	PASS
		2462	Reference	-4.49	-4.49	---	PASS
			30~1000	-4.49	-56.15	≤-24.49	PASS
			1000~26500	-4.49	-46.24	≤-24.49	PASS
11N40SISO	Ant1	2422	Reference	-8.32	-8.32	---	PASS
			30~1000	-8.32	-47.3	≤-28.32	PASS
			1000~26500	-8.32	-44.37	≤-28.32	PASS
		2437	Reference	-7.34	-7.34	---	PASS
			30~1000	-7.34	-54.49	≤-27.34	PASS
			1000~26500	-7.34	-45.75	≤-27.34	PASS
		2452	Reference	-8.25	-8.25	---	PASS
			30~1000	-8.25	-55.6	≤-28.25	PASS





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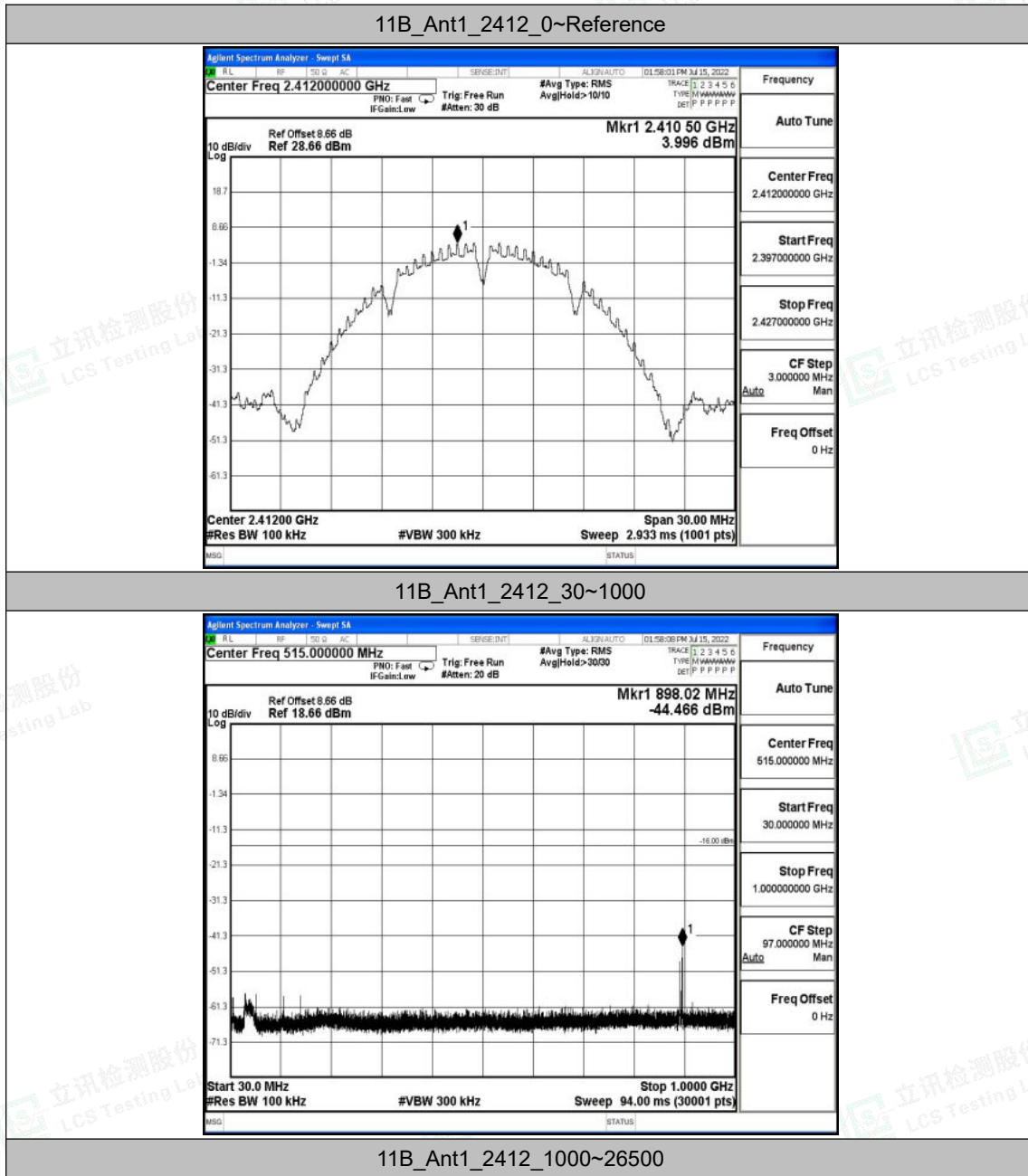
		1000~26500	-8.25	-46.78	≤-28.25	PASS
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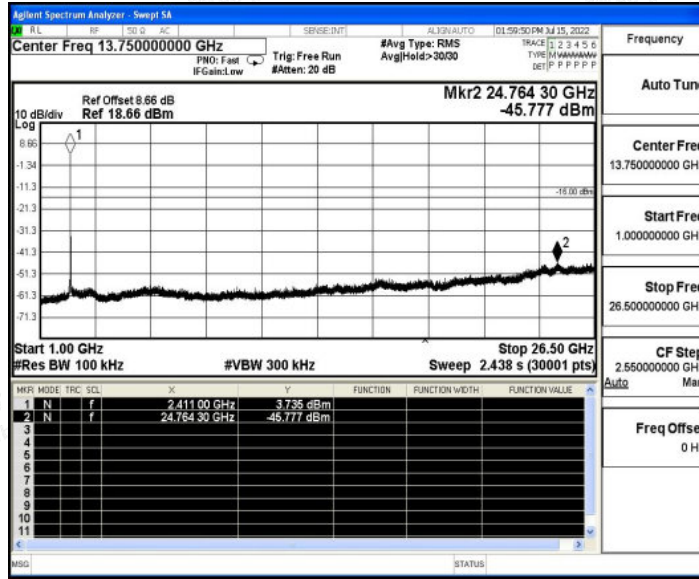


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

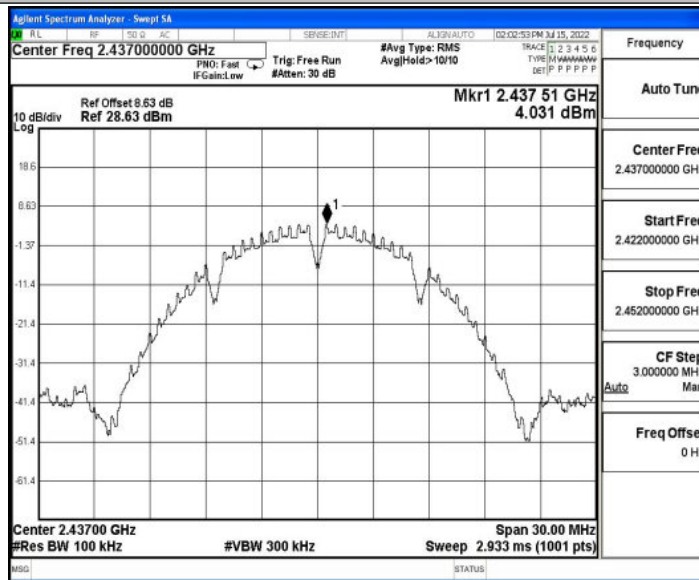


Test Graphs



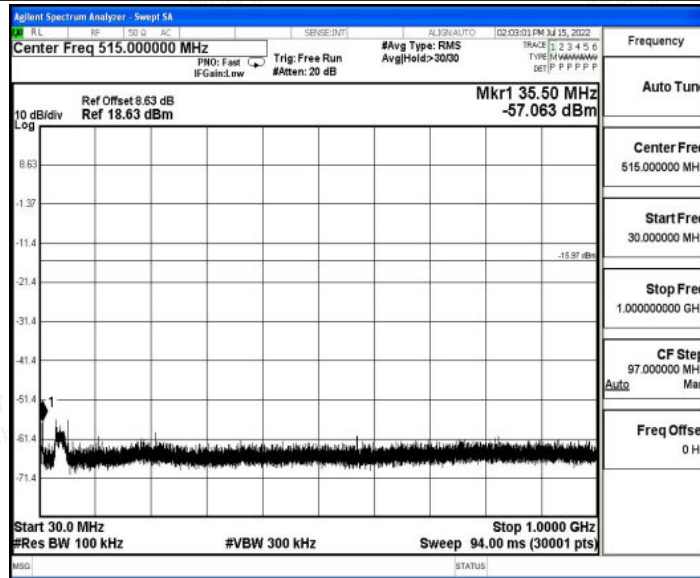


11B_Ant1_2437_0~Reference

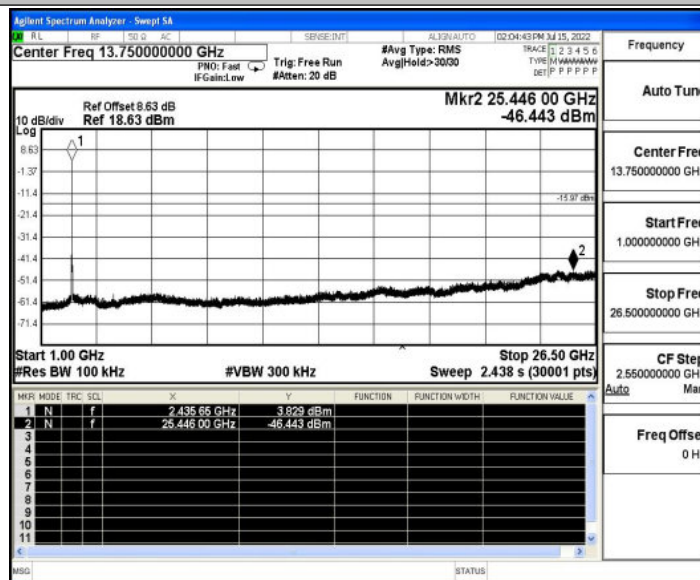


11B_Ant1_2437_30~1000



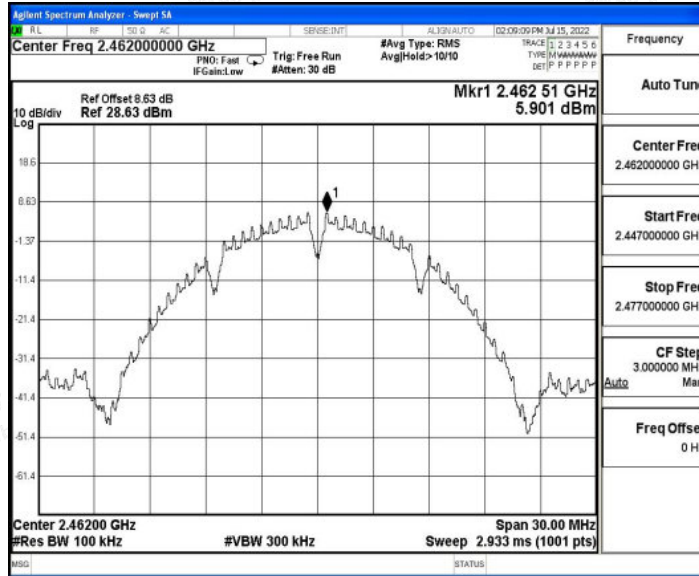


11B_Ant1_2437_1000~26500

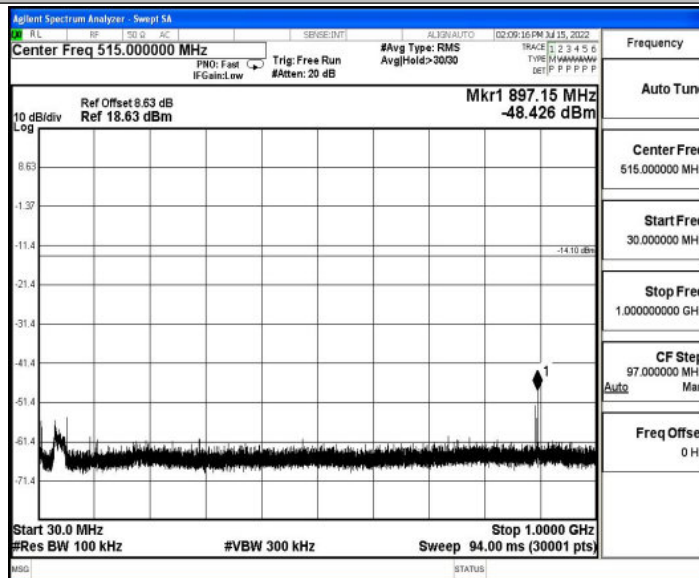


11B_Ant1_2462_0~Reference





11B_Ant1_2462_30~1000

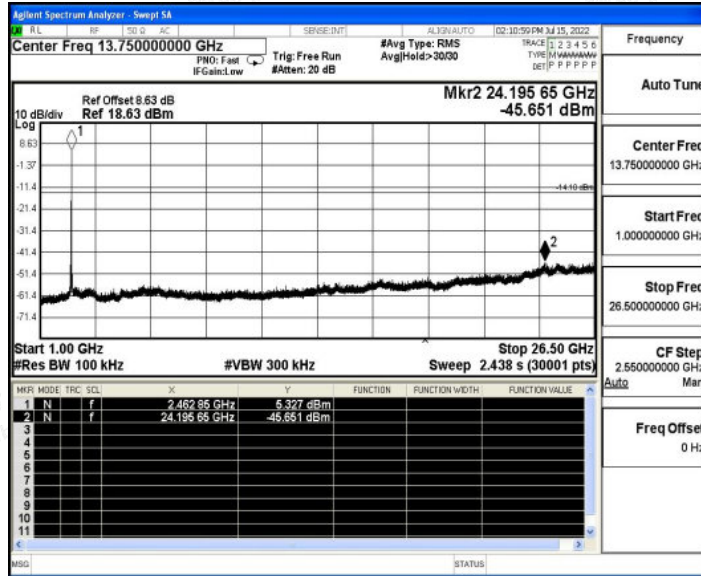


11B_Ant1_2462_1000~26500

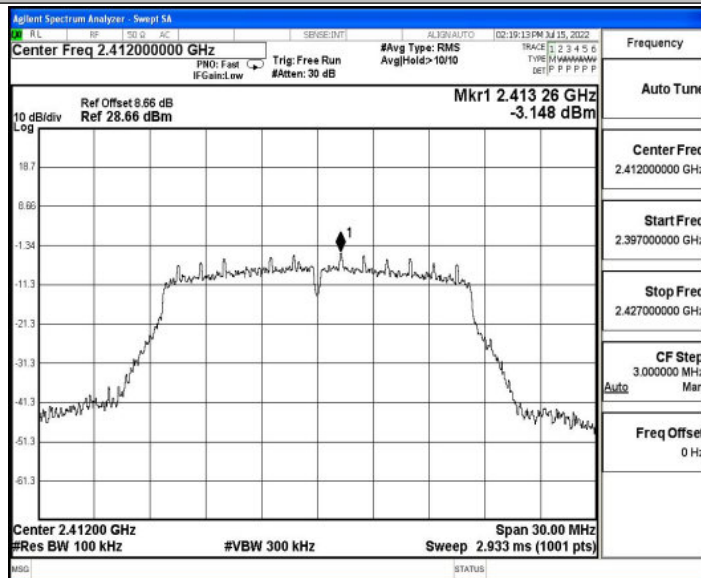




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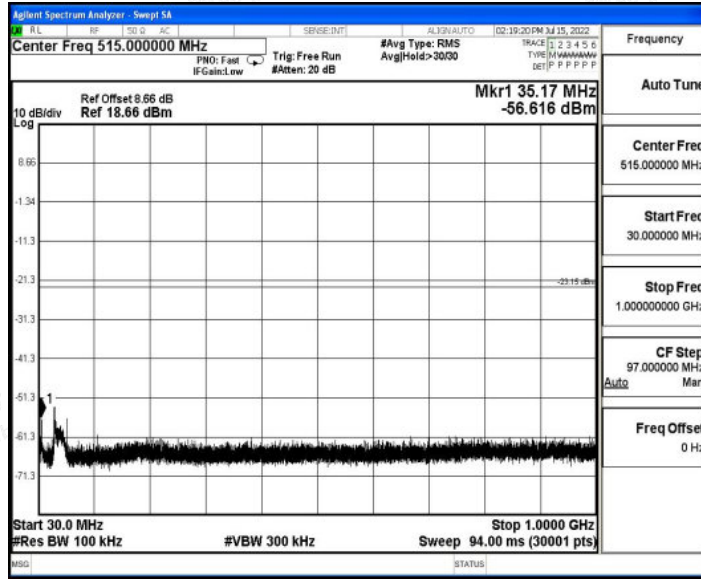


11G_Ant1_2412_0~Reference

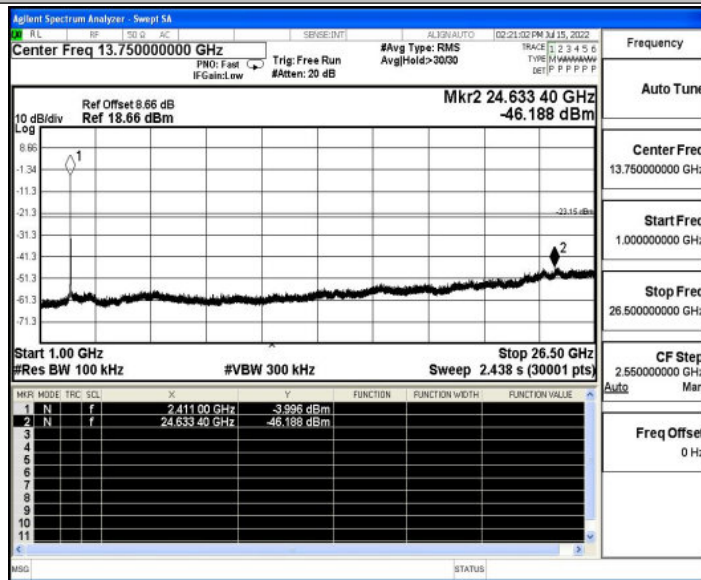


11G_Ant1_2412_30~1000



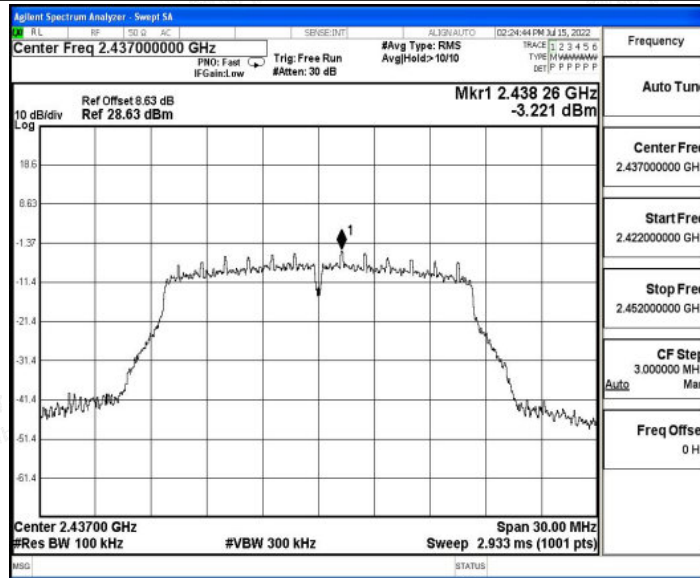


11G_Ant1_2412_1000~26500

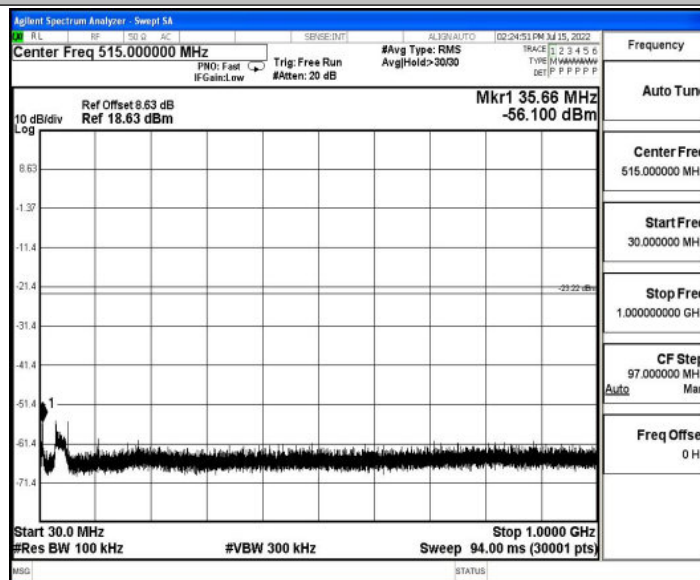


11G_Ant1_2437_0~Reference



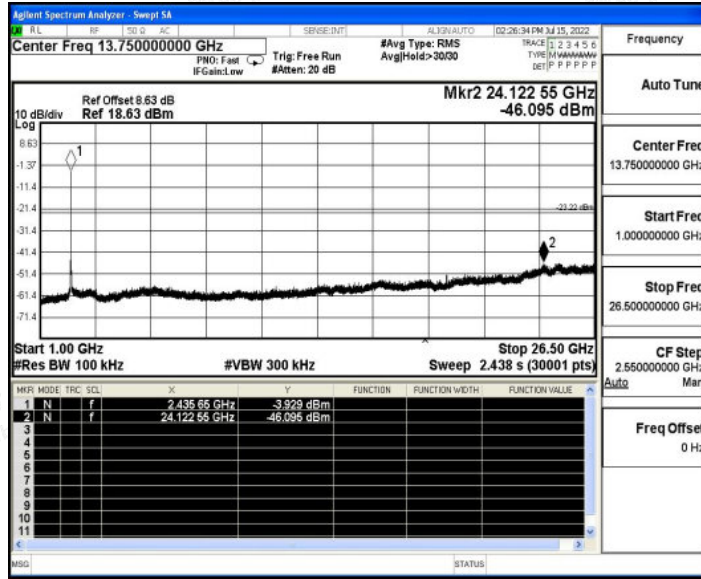


11G_Ant1_2437_30~1000

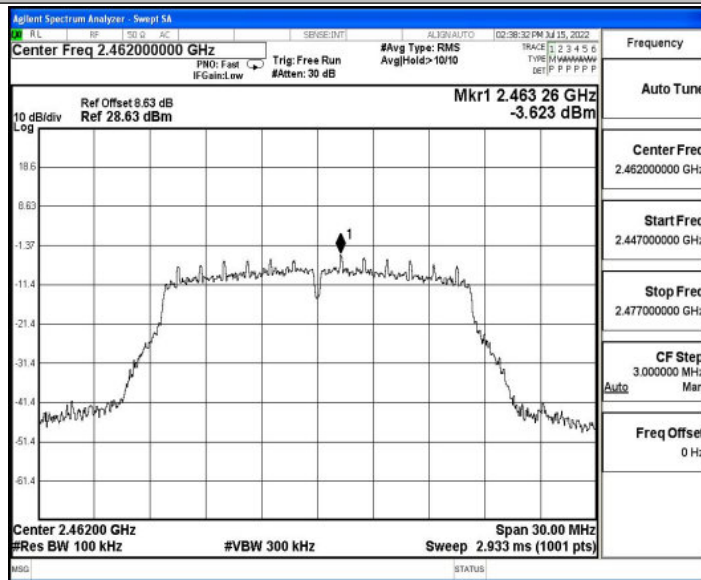


11G_Ant1_2437_1000~26500





11G_Ant1_2462_0~Reference

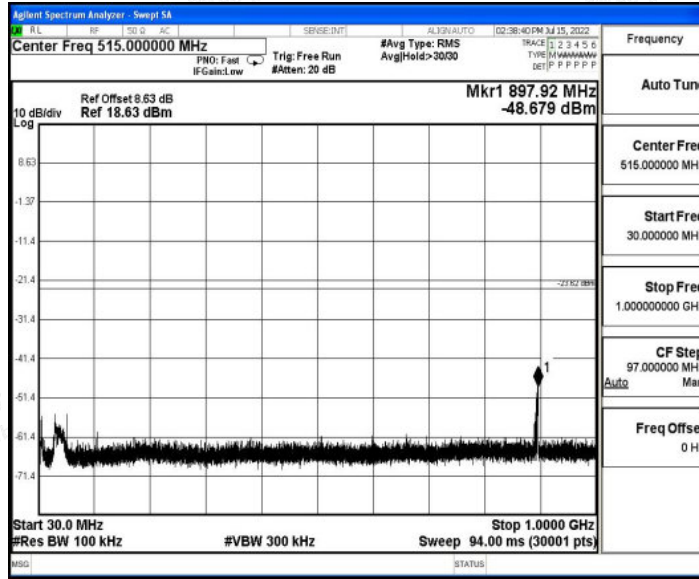


11G_Ant1_2462_30~1000

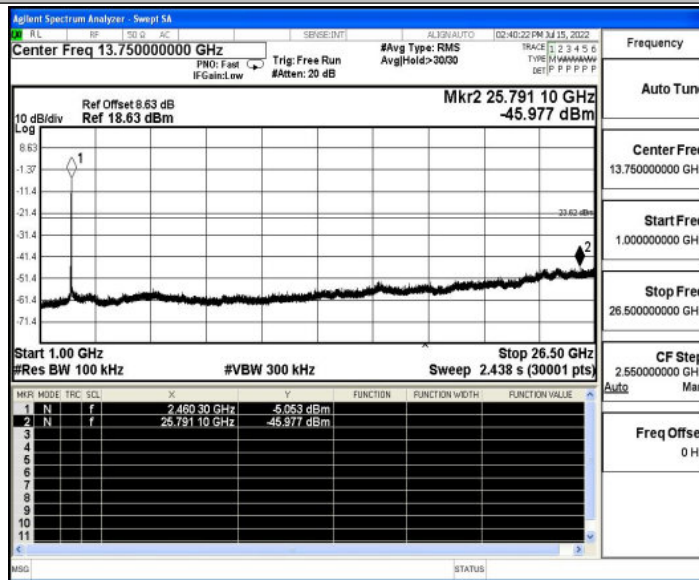




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11G_Ant1_2462_1000~26500

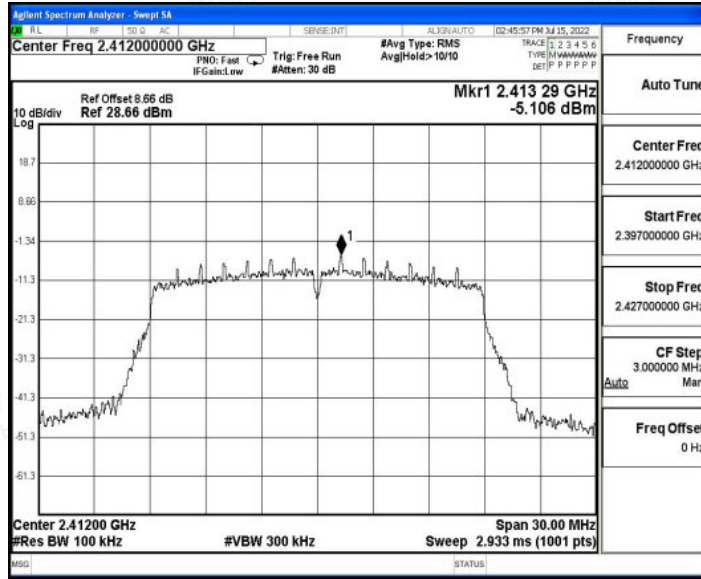


11N20SISO_Ant1_2412_0~Reference

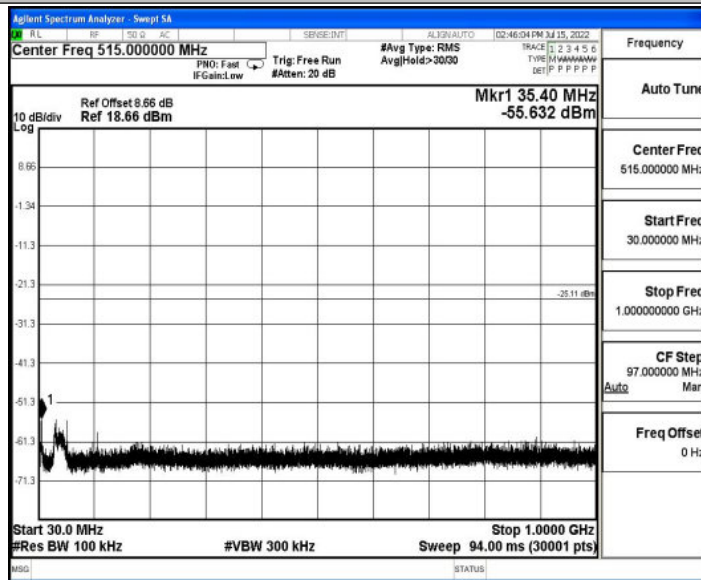




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11N20SISO_Ant1_2412_30~1000

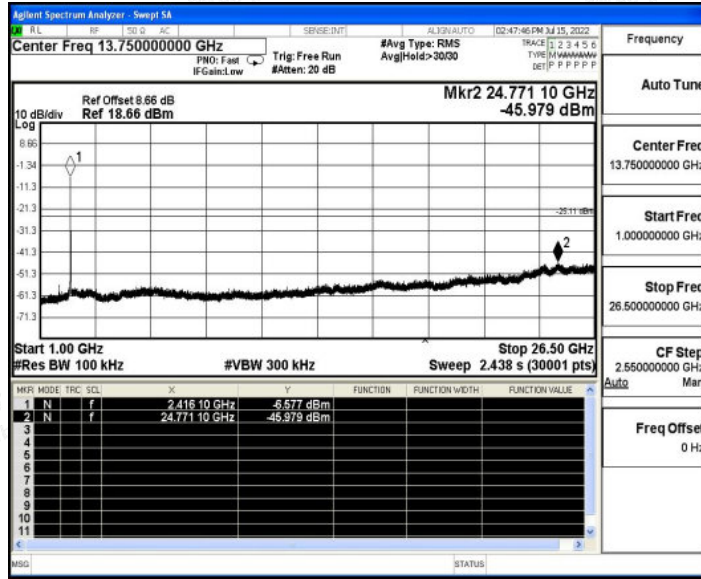


11N20SISO_Ant1_2412_1000~26500

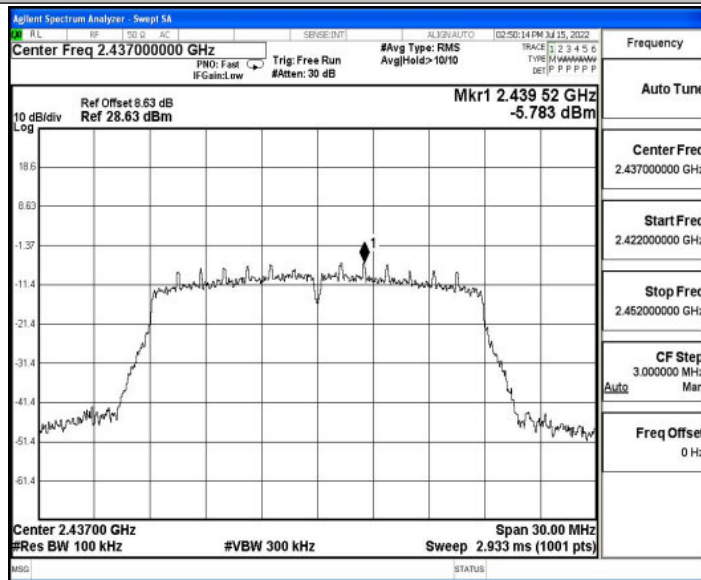




CSA071322017EC

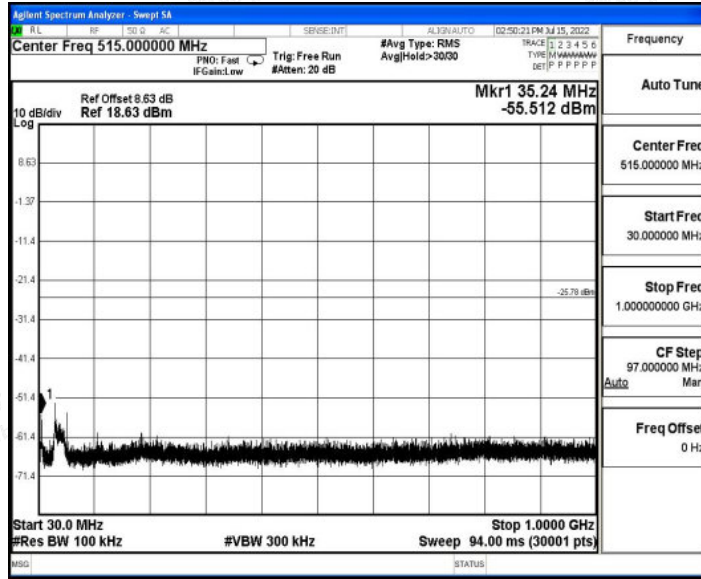


11N20SISO_Ant1_2437_0~Reference

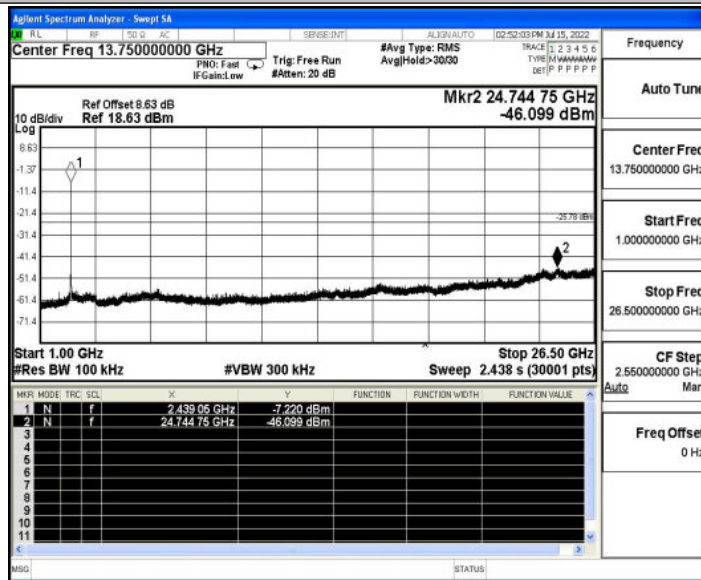


11N20SISO_Ant1_2437_30~1000





11N20SISO_Ant1_2437_1000~26500

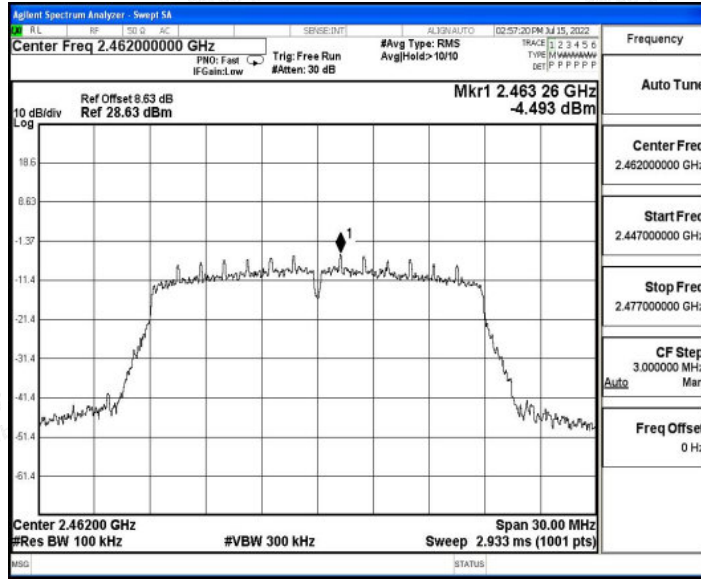


11N20SISO_Ant1_2462_0~Reference

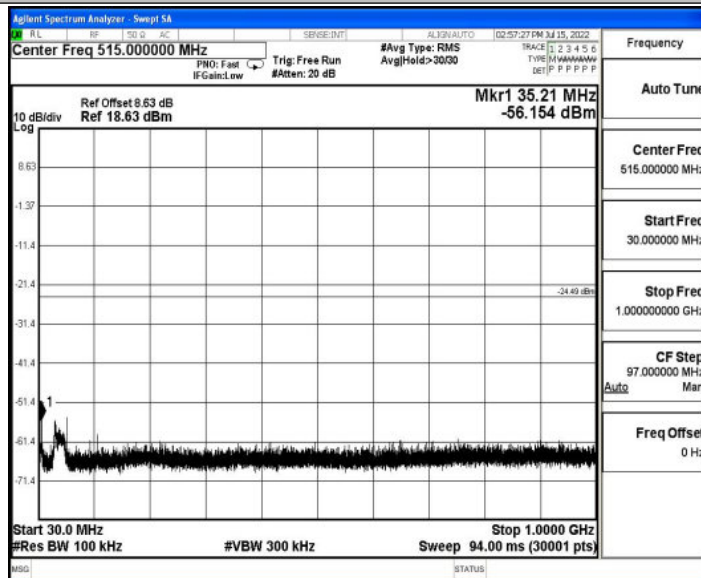




CSA071322017EC

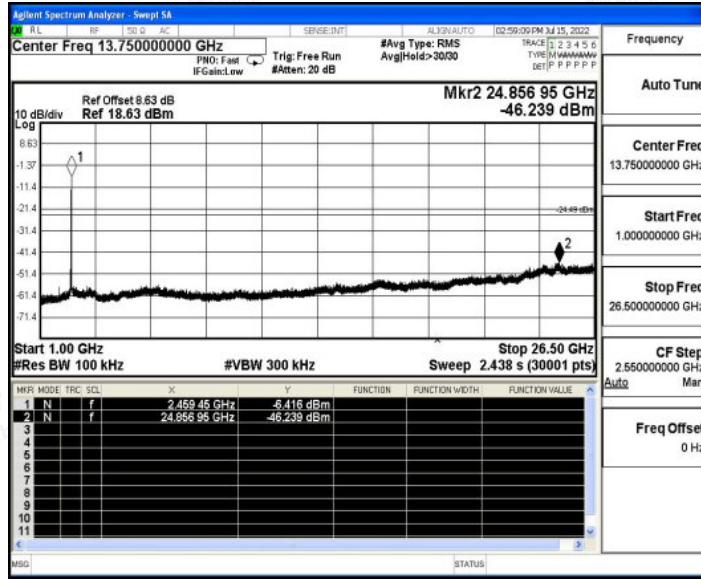


11N20SISO_Ant1_2462_30~1000

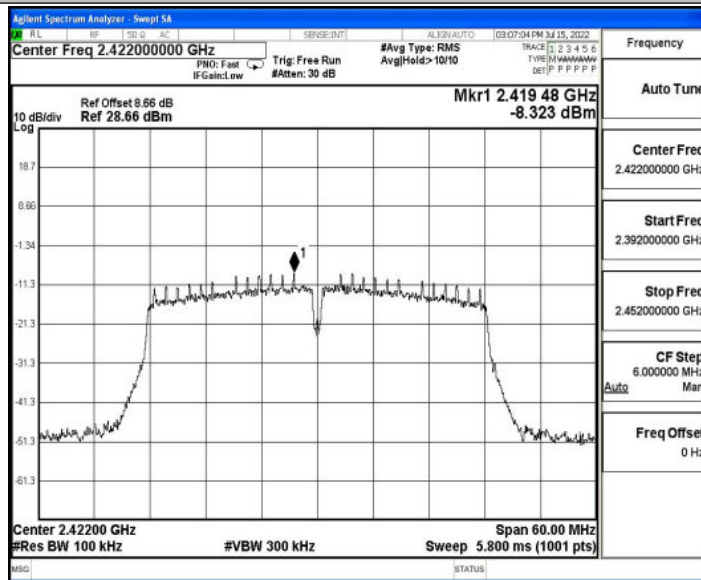


11N20SISO_Ant1_2462_1000~26500





11N40SISO_Ant1_2422_0~Reference

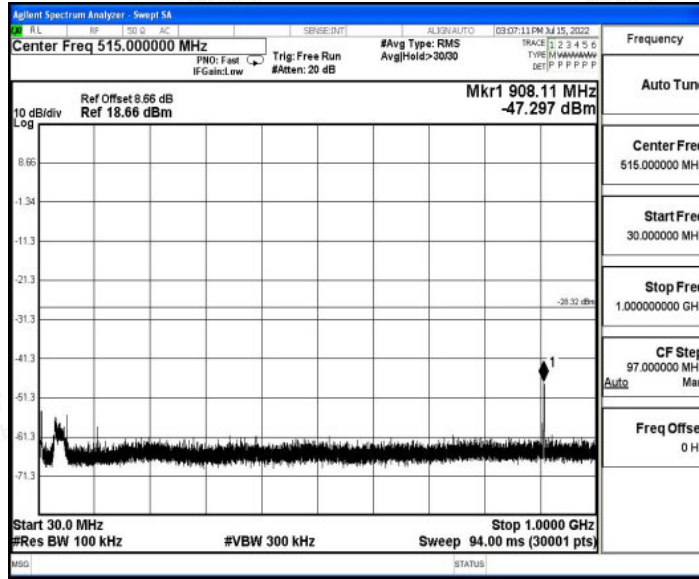


11N40SISO_Ant1_2422_30~1000

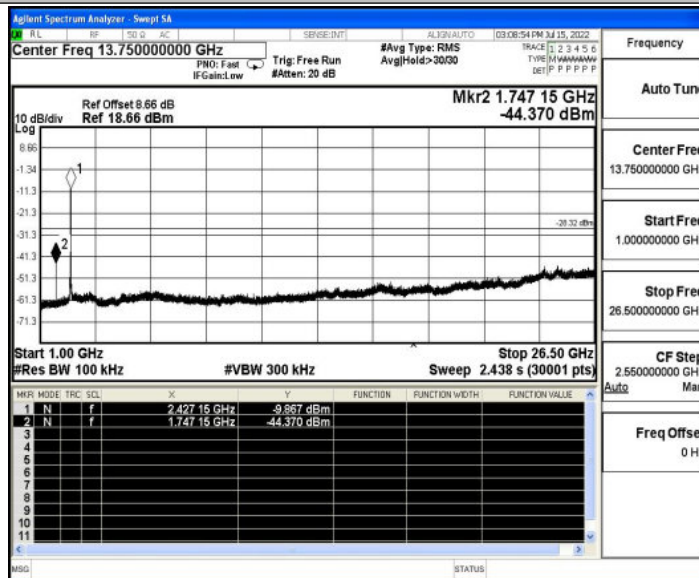




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11N40SISO_Ant1_2422_1000~26500

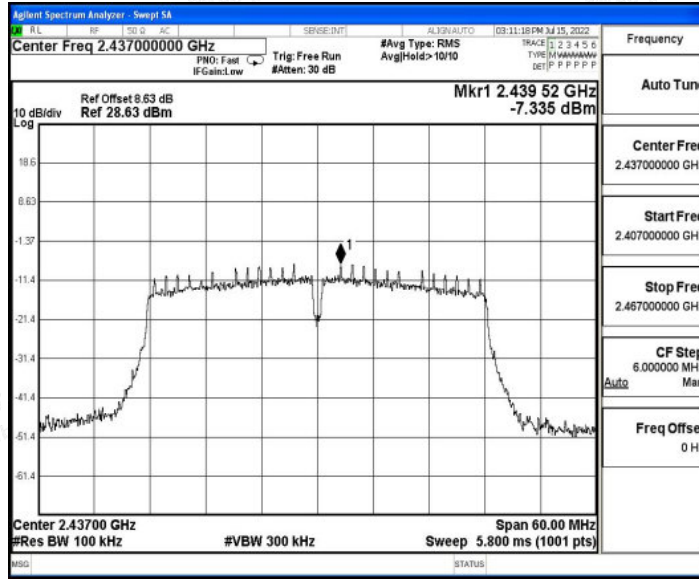


11N40SISO_Ant1_2437_0~Reference

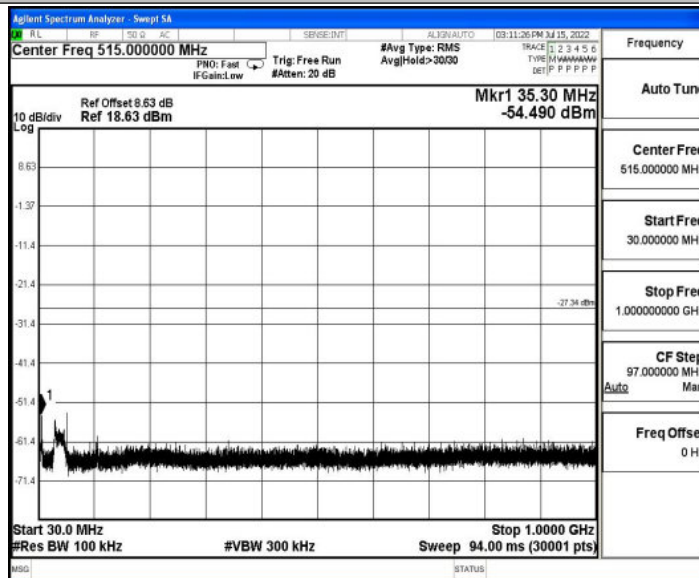




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11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500

