



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Remote control car

Test Model: 1803

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zero QI
Supervised by:	Li huan



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A.1 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2407.440	2417.000	0.5	PASS
		2437	9.560	2432.440	2442.000	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS



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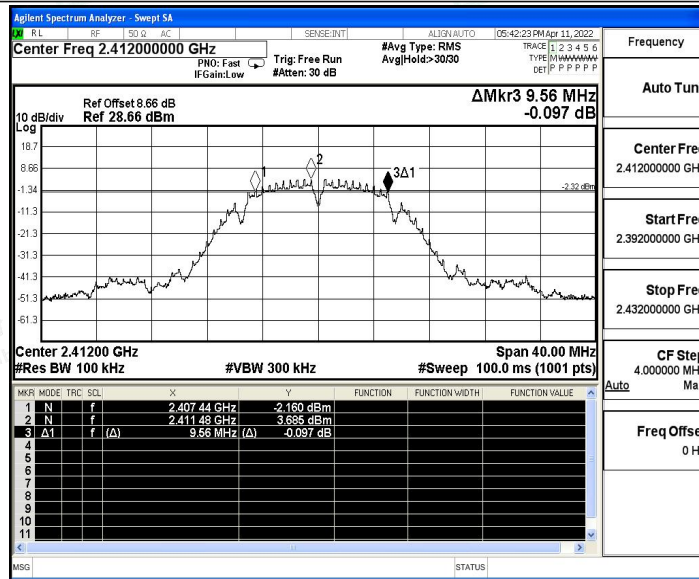
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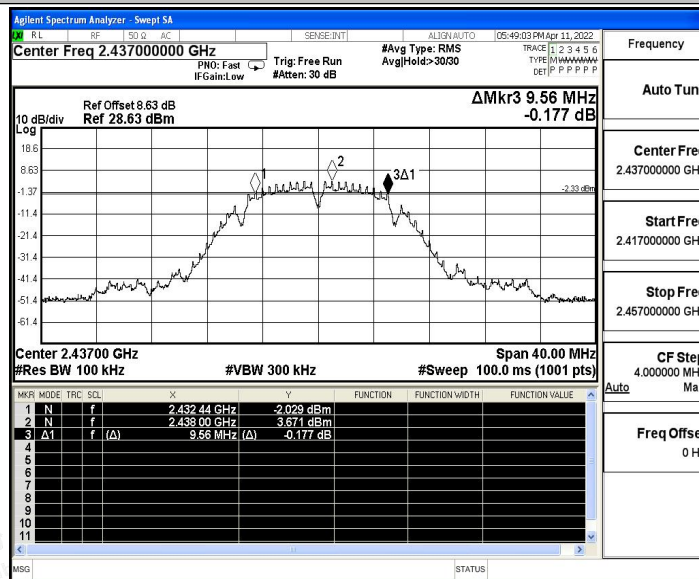


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

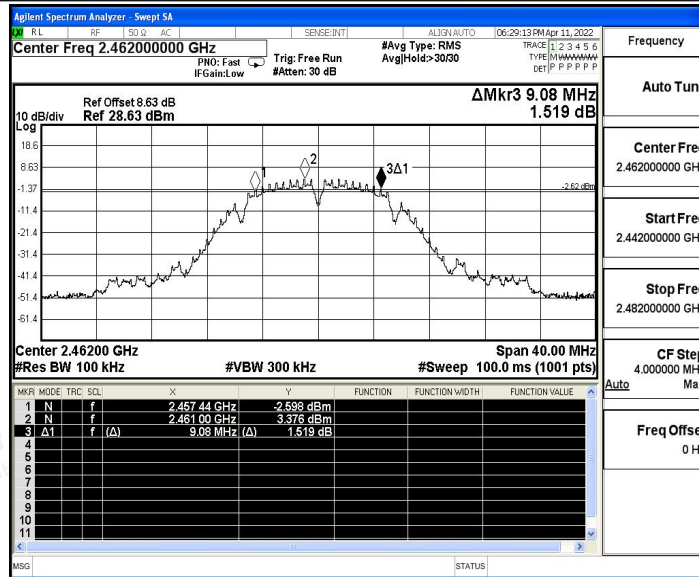


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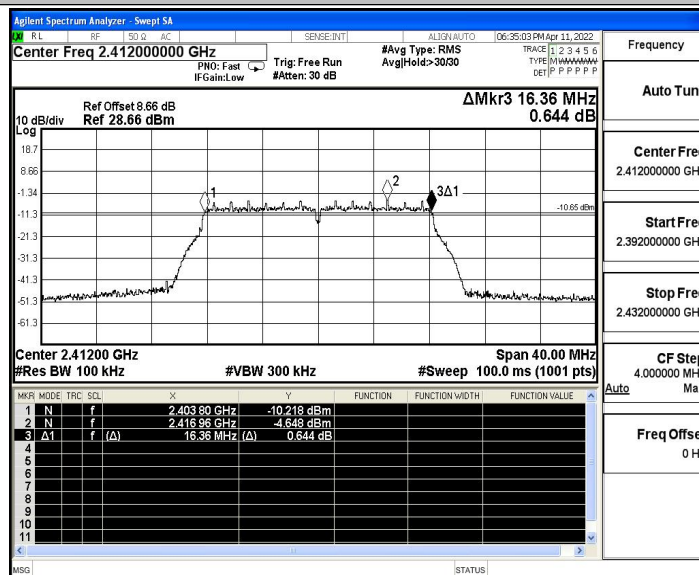
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11G_Ant1_2412



11G_Ant1_2437

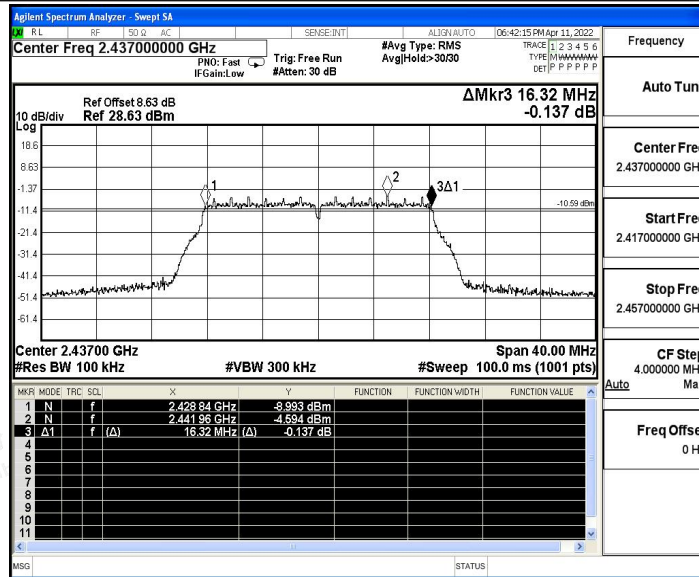


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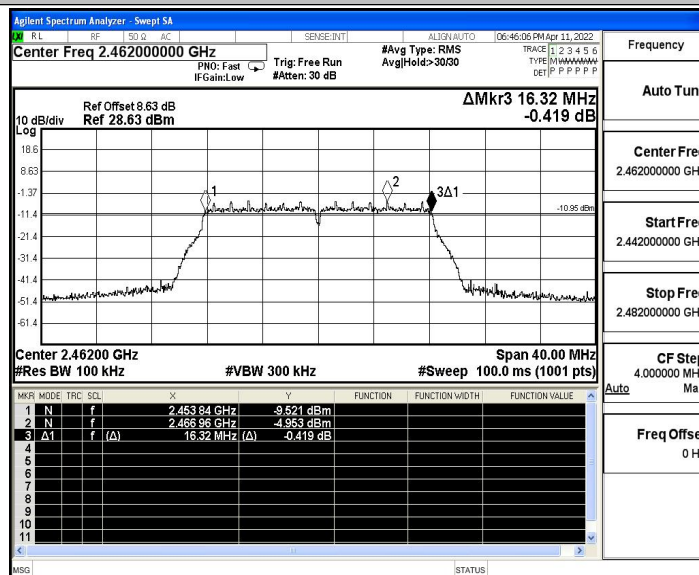
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11G_Ant1_2462



11N20SISO_Ant1_2412

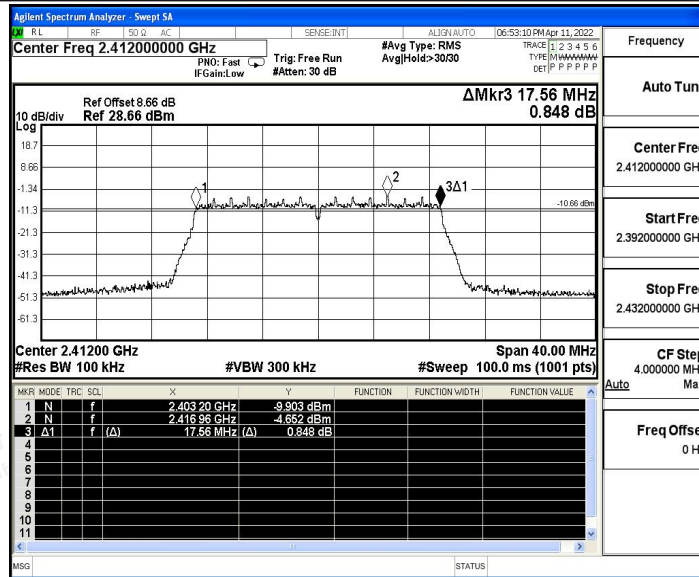


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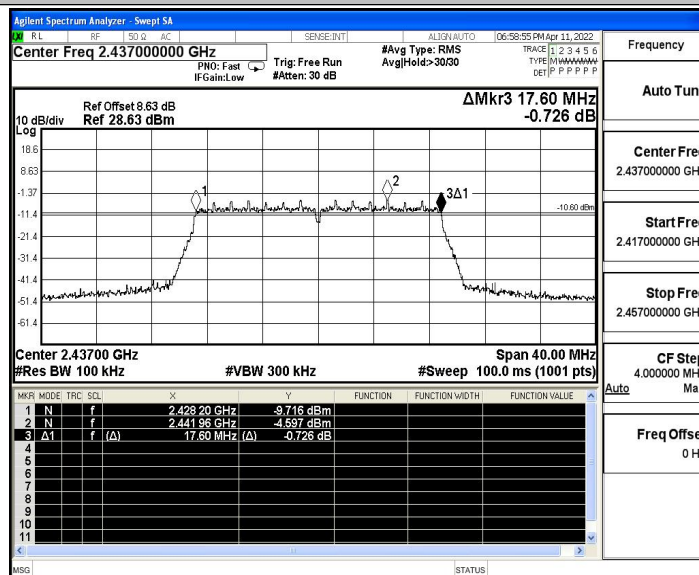
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

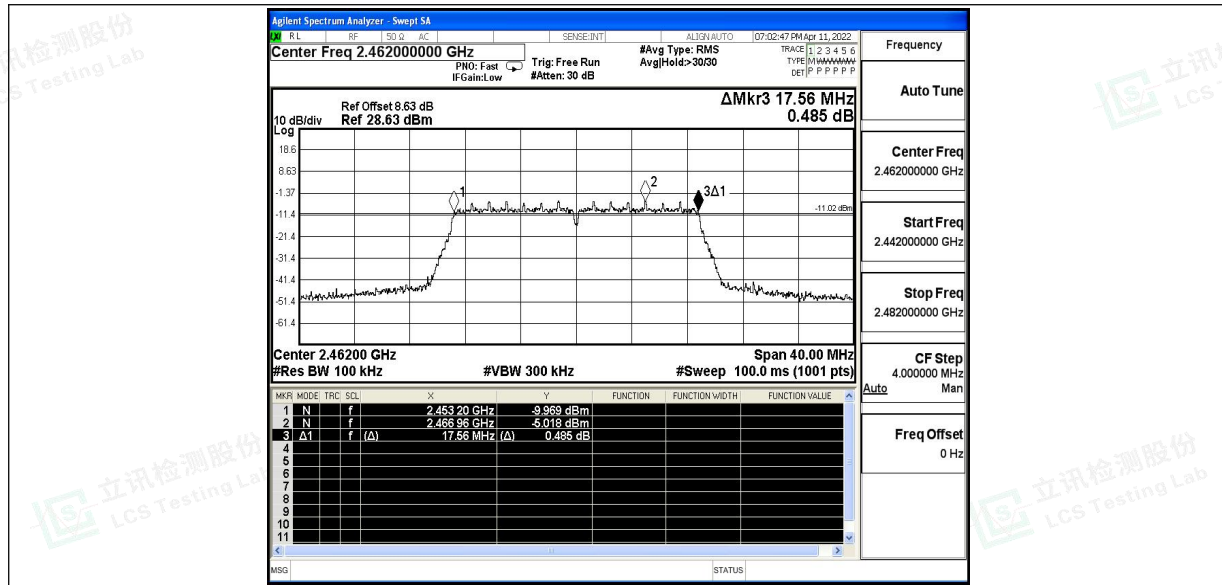


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.51	≤30.00	PASS
		2437	15.24	≤30.00	PASS
		2462	15.04	≤30.00	PASS
11G	Ant1	2412	14.86	≤30.00	PASS
		2437	14.86	≤30.00	PASS
		2462	14.54	≤30.00	PASS
11N20SISO	Ant1	2412	14.86	≤30.00	PASS
		2437	14.86	≤30.00	PASS
		2462	14.50	≤30.00	PASS



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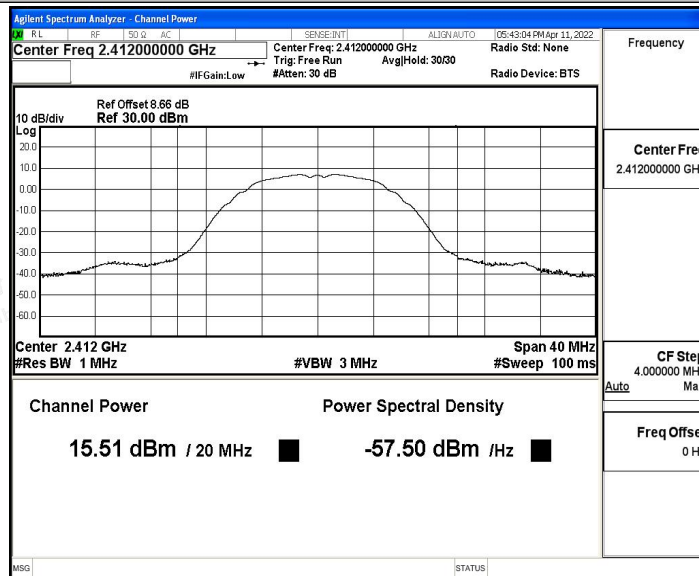
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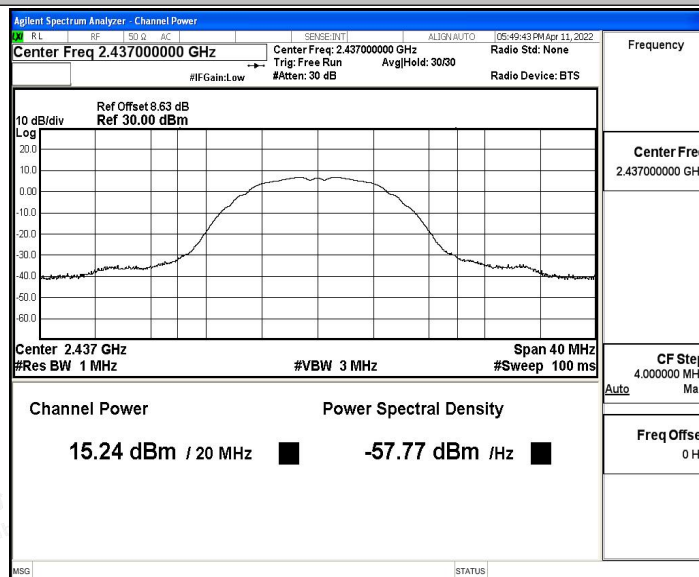


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

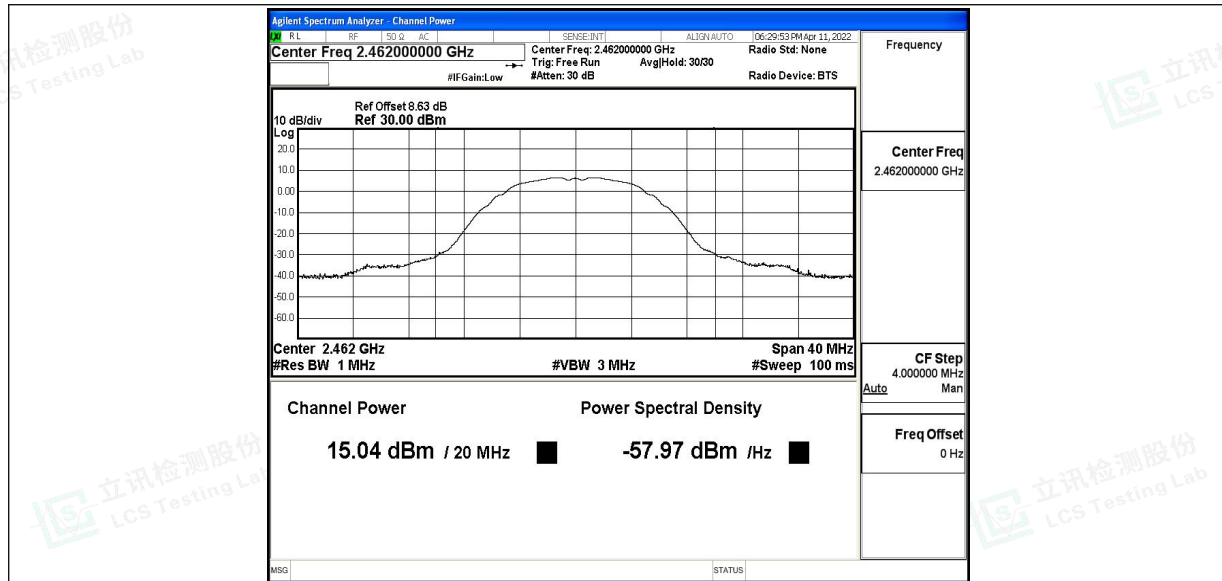


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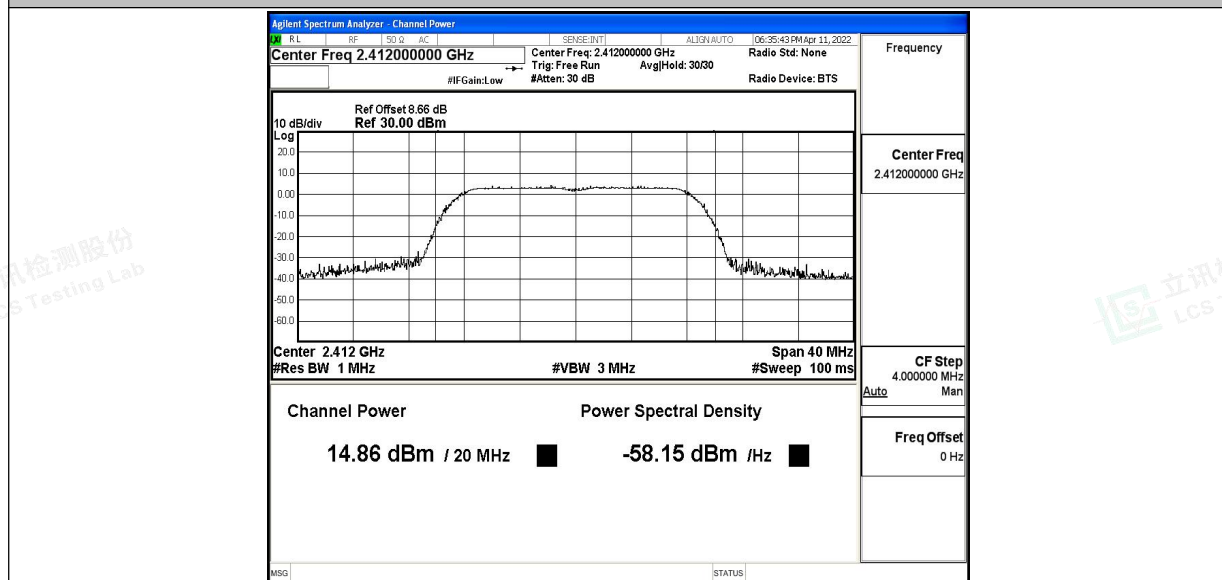
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11G_Ant1_2412



11G_Ant1_2437

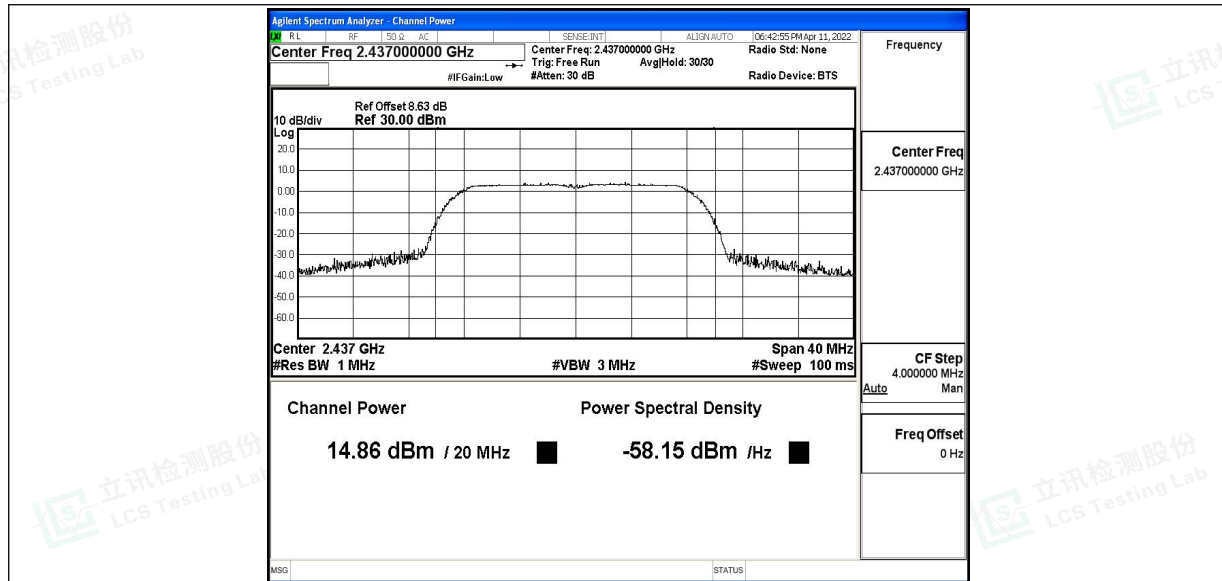


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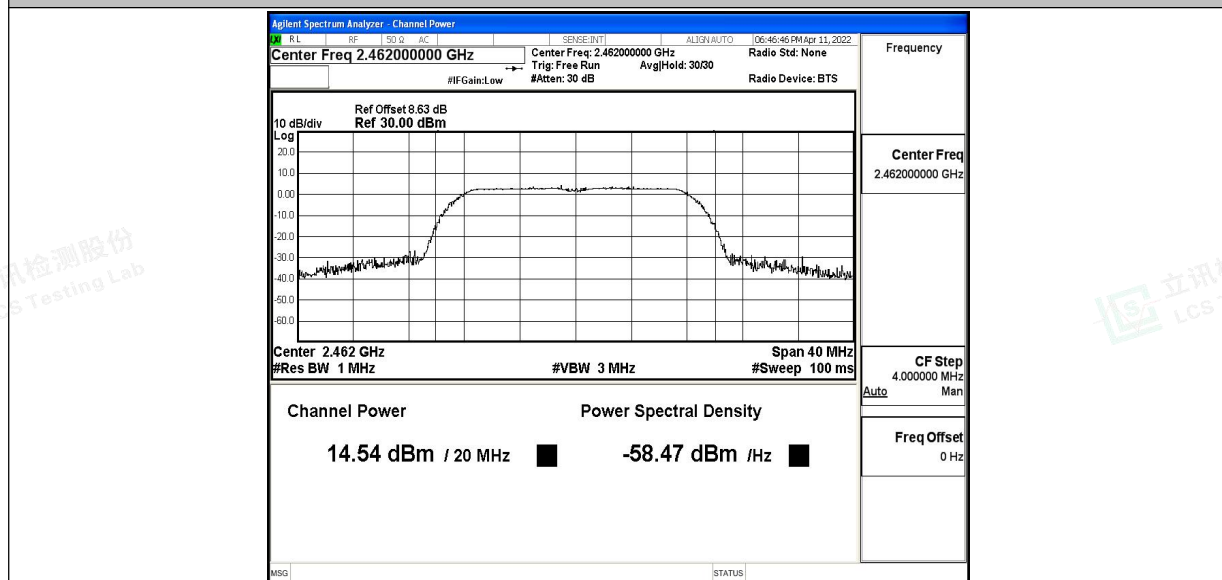
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11G_Ant1_2462



11N20SISO_Ant1_2412

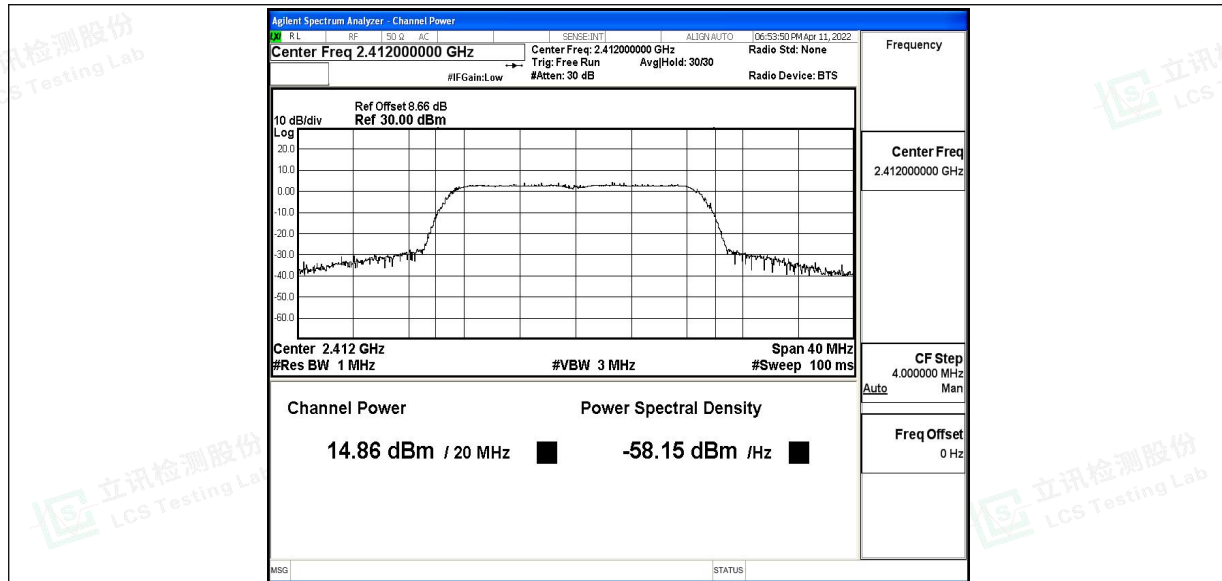


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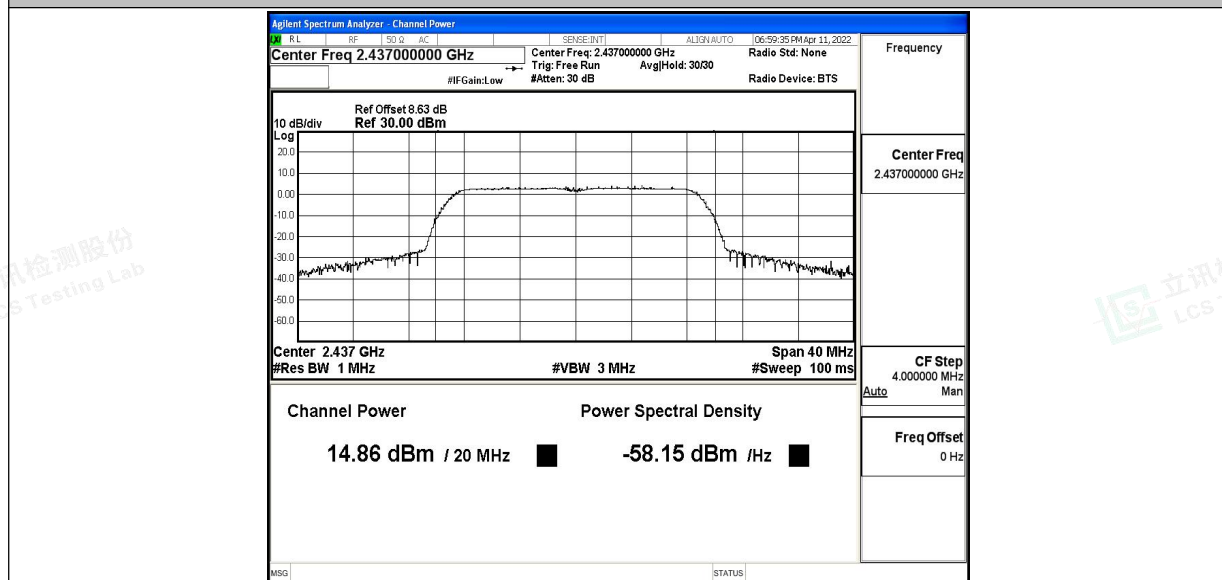
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

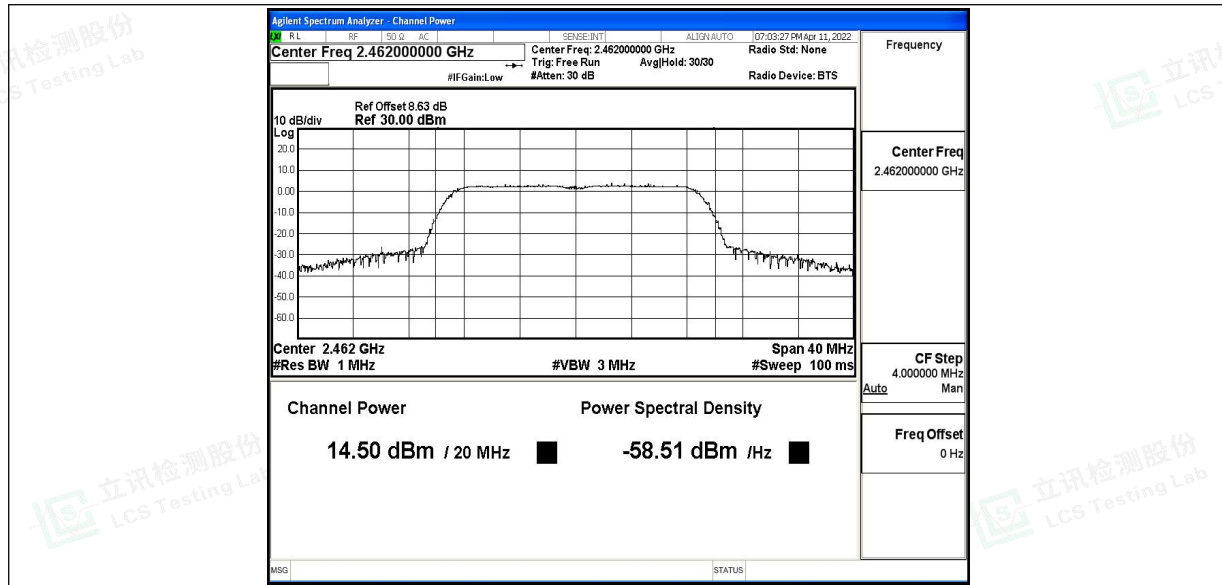


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A.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.06	≤8.00	PASS
		2437	-8.4	≤8.00	PASS
		2462	-12.04	≤8.00	PASS
11G	Ant1	2412	-18.92	≤8.00	PASS
		2437	-18.7	≤8.00	PASS
		2462	-18.64	≤8.00	PASS
11N20SISO	Ant1	2412	-19.45	≤8.00	PASS
		2437	-19.02	≤8.00	PASS
		2462	-20.19	≤8.00	PASS



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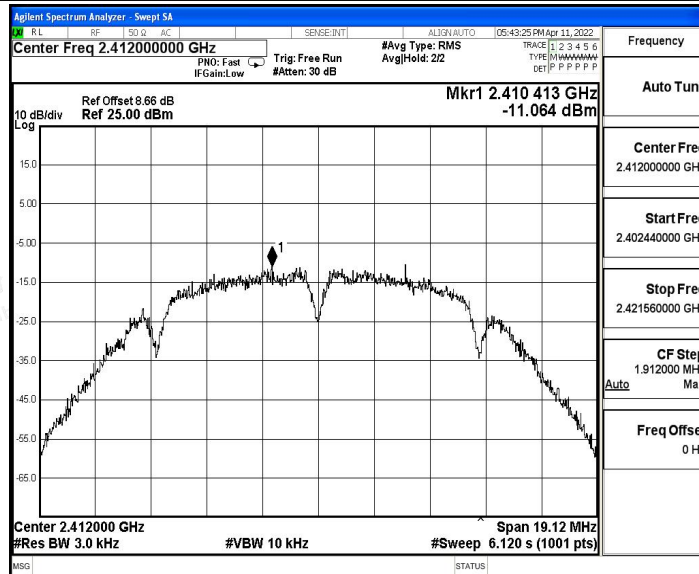
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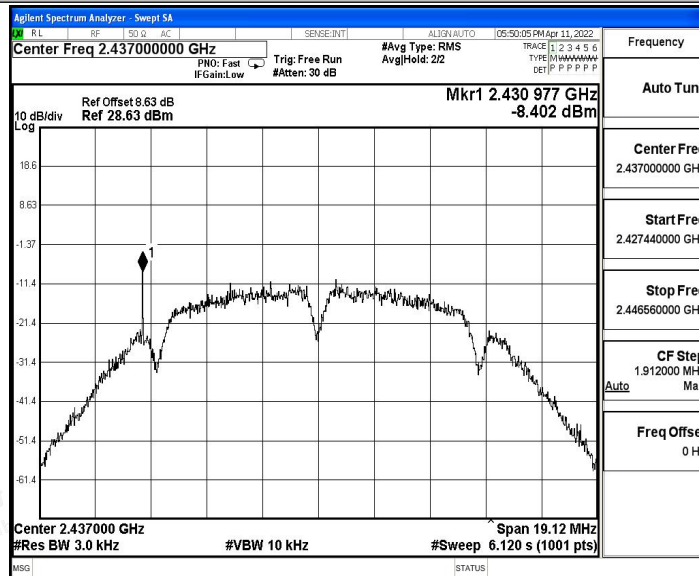


Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

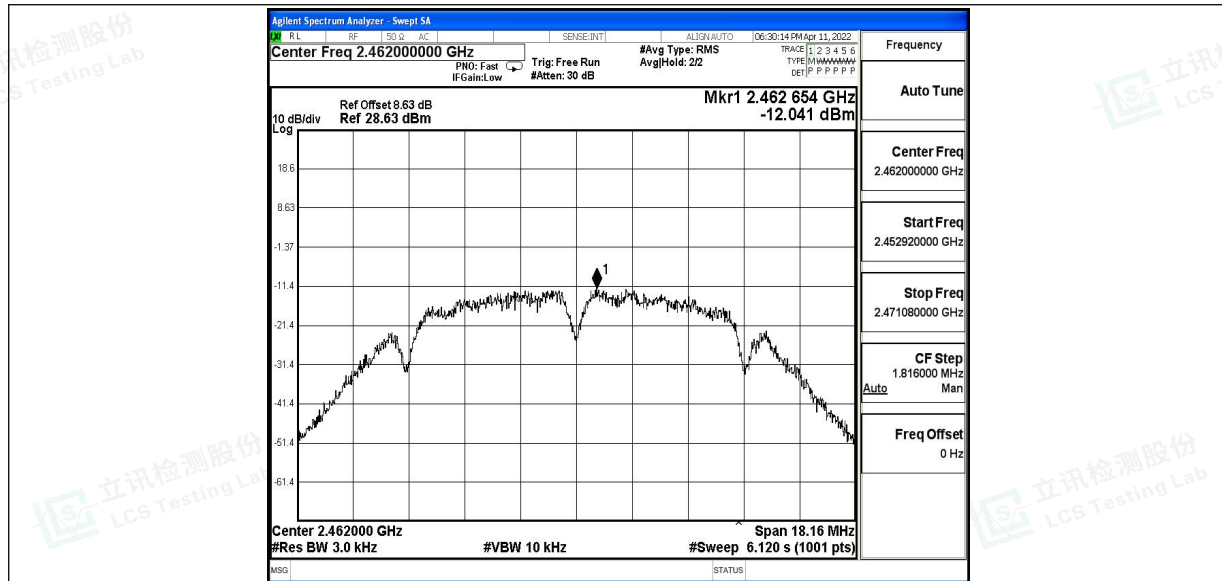


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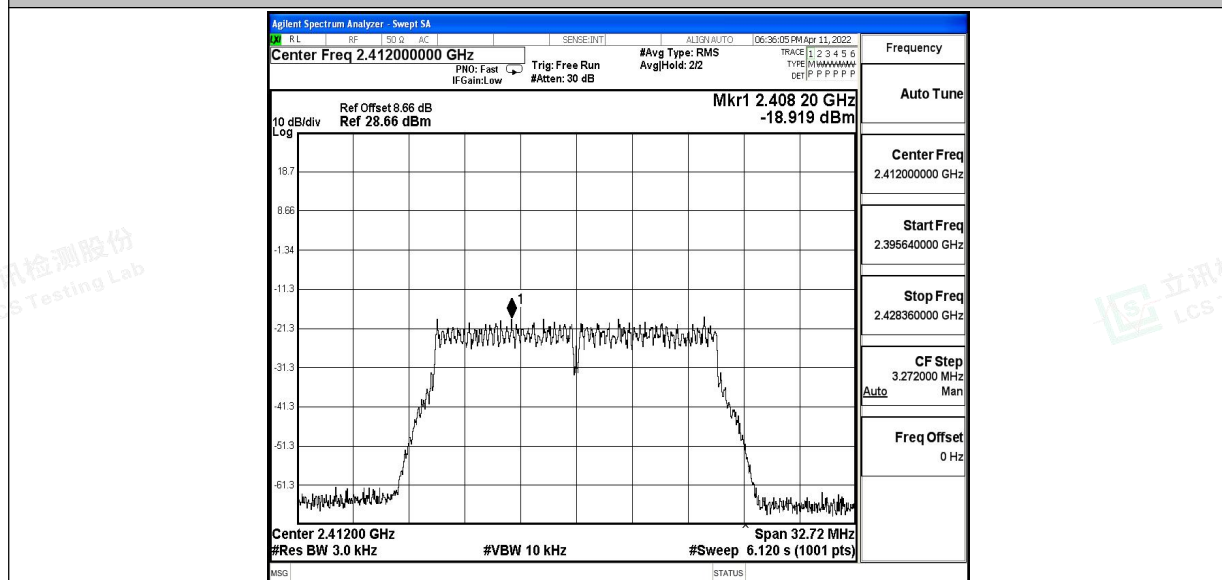
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11G_Ant1_2412



11G_Ant1_2437

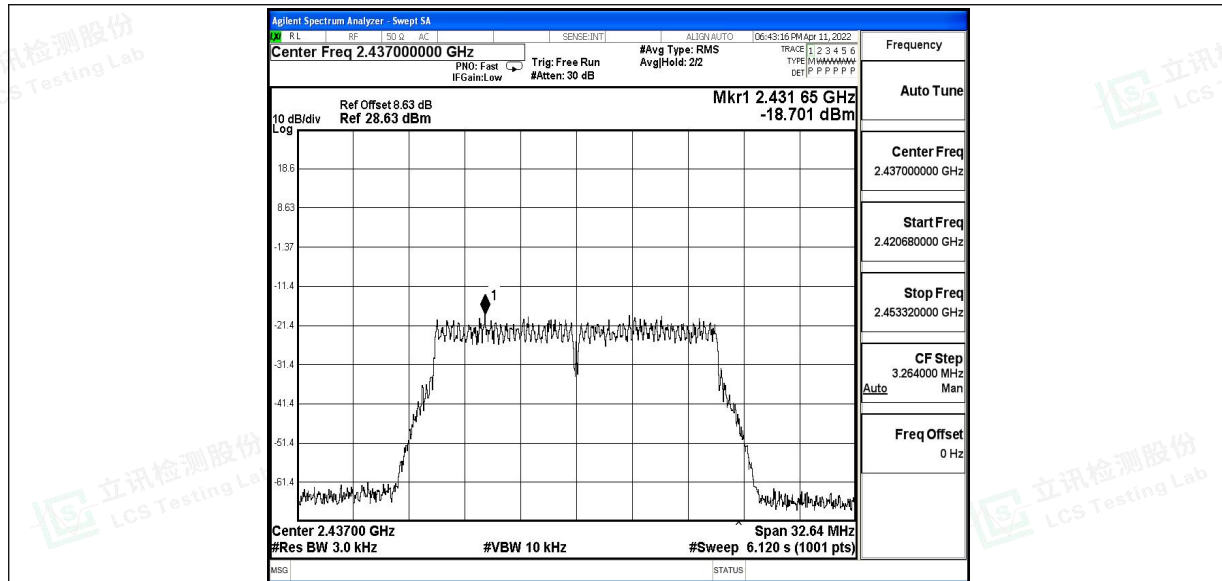


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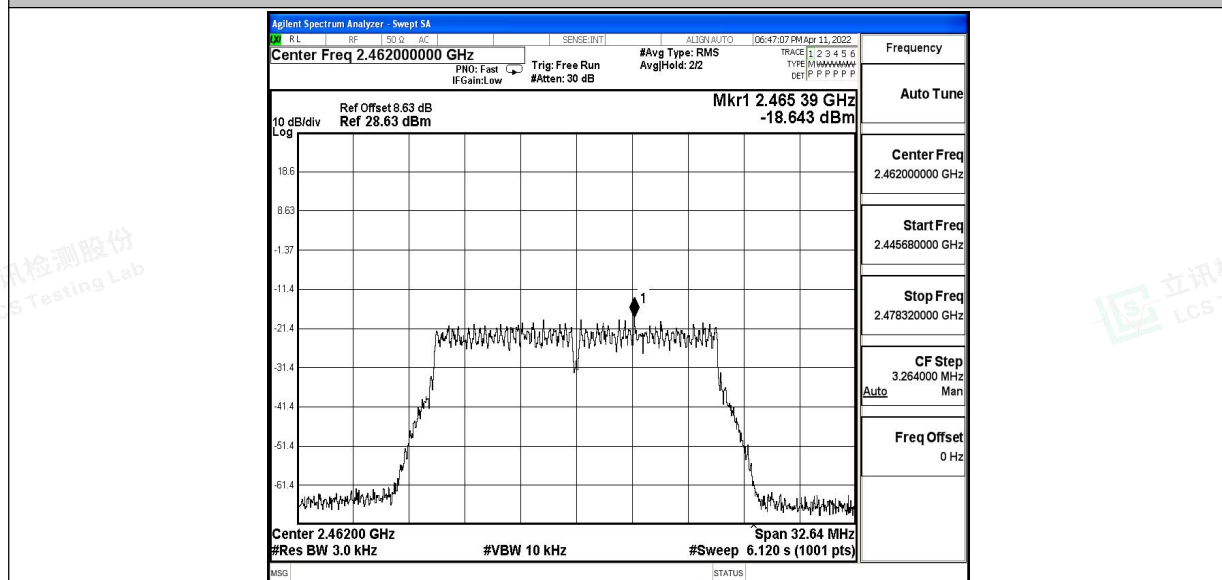
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11G_Ant1_2462



11N20SISO_Ant1_2412

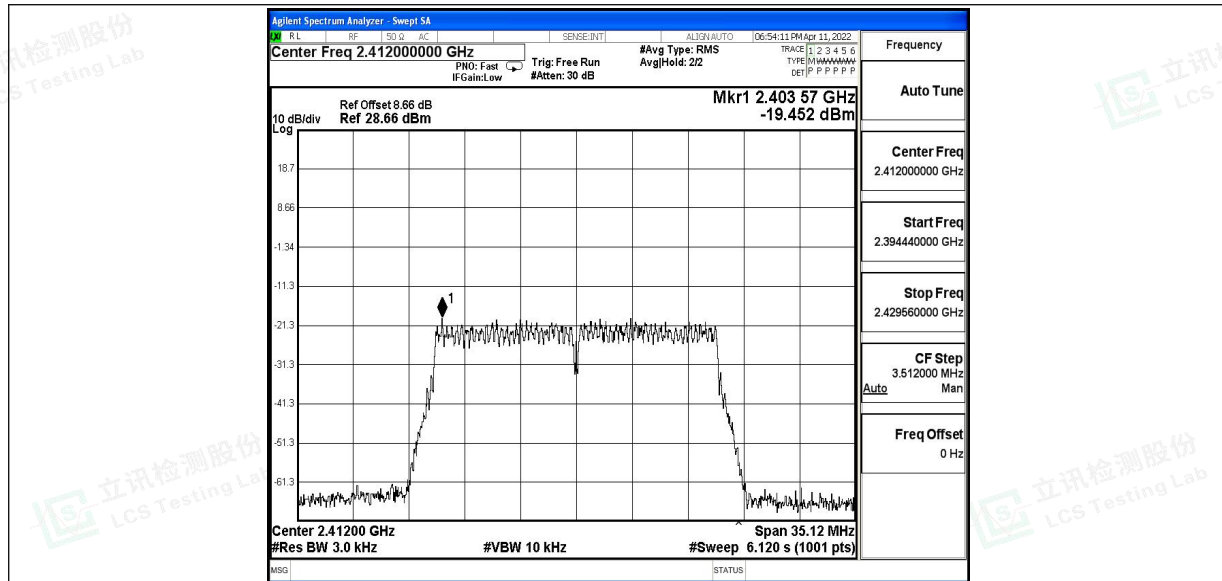


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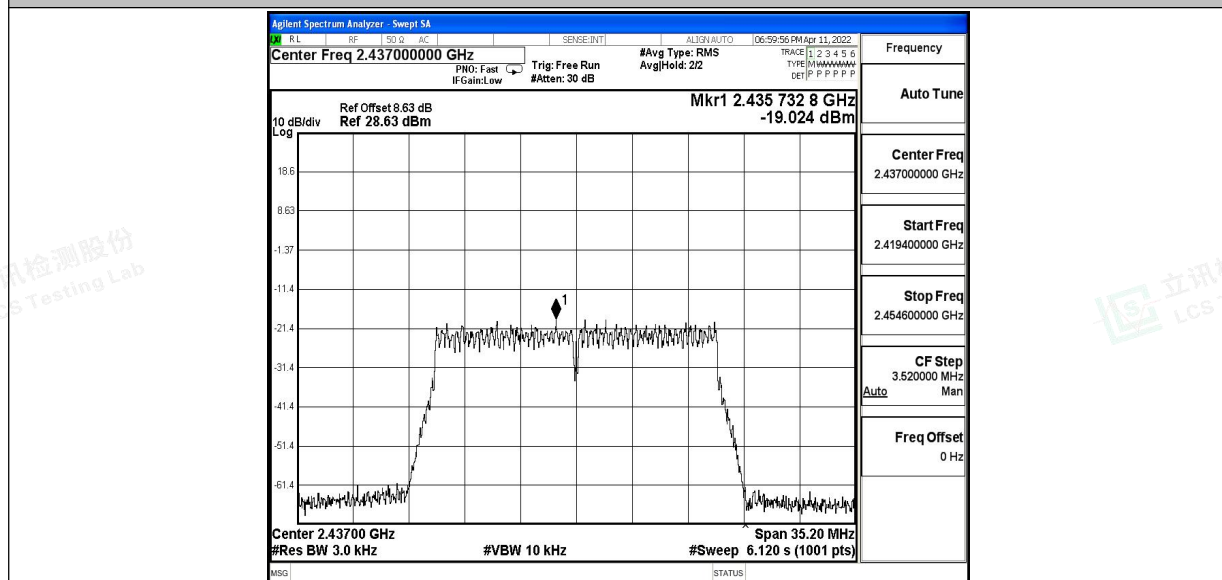
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11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

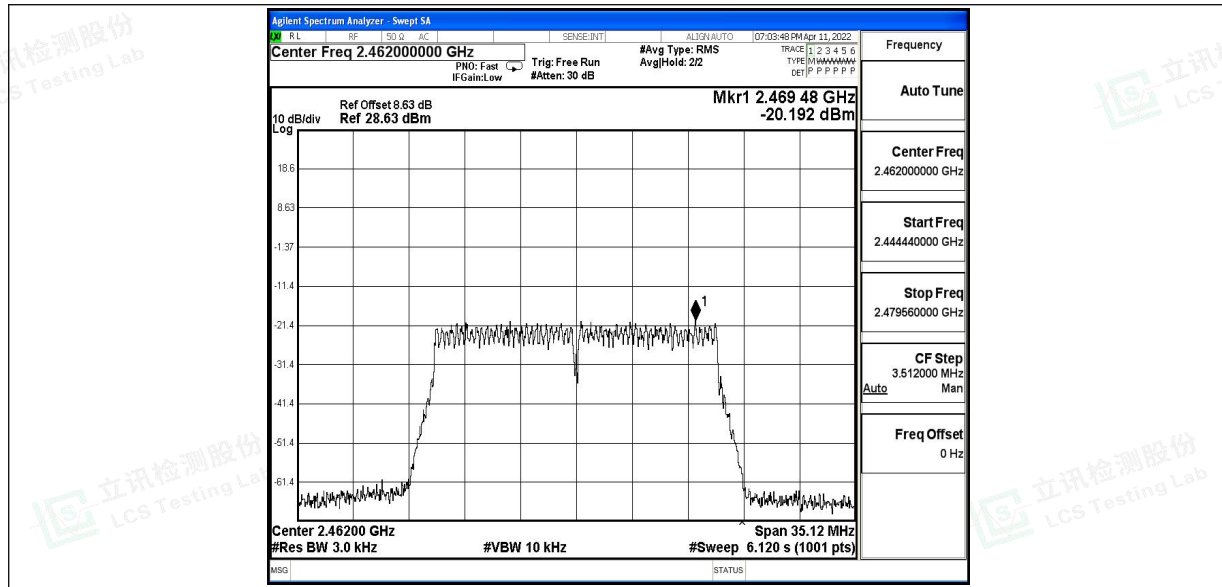


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A.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.74	-42.26	≤ -16.26	PASS
		High	2462	3.41	-47.63	≤ -16.6	PASS
11G	Ant1	Low	2412	-4.34	-44.86	≤ -24.34	PASS
		High	2462	-4.99	-47.4	≤ -24.99	PASS
11N20SISO	Ant1	Low	2412	-4.22	-44.46	≤ -24.22	PASS
		High	2462	-4.48	-48.04	≤ -24.48	PASS



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