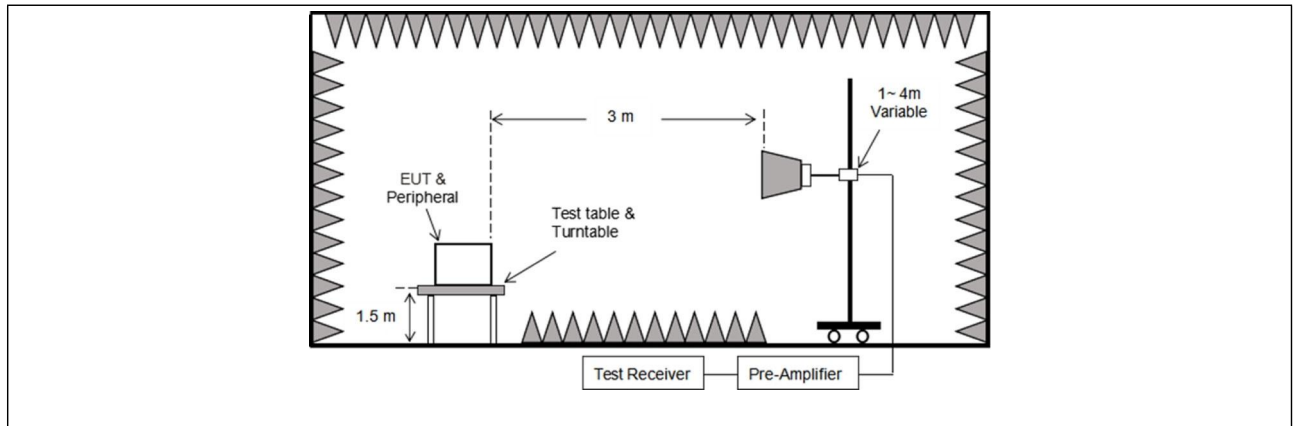


11.2. Test Setup



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11.3. Test Data

Temperature:	23 °C	Humidity:	48.1 %	Atmospheric Pressure:	101 kPa
--------------	-------	-----------	--------	-----------------------	---------

TM1 / CH: L						
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4824.00	29.52	15.31	44.83	74.00	-29.17	Vertical
7236.00	30.86	18.06	48.92	74.00	-25.08	Vertical
9648.00	31.18	23.77	54.95	74.00	-19.05	Vertical
12060.00	*			74.00		Vertical
14472.00	*			74.00		Vertical
4824.00	28.85	15.31	44.16	74.00	-29.84	Horizontal
7236.00	31.52	18.06	49.58	74.00	-24.42	Horizontal
9648.00	28.65	23.77	52.42	74.00	-21.58	Horizontal
12060.00	*			74.00		Horizontal
14472.00	*			74.00		Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4824.00	21.54	15.31	36.85	54.00	-17.15	Vertical
7236.00	22.64	18.06	40.70	54.00	-13.30	Vertical
9648.00	23.08	23.77	46.85	54.00	-7.15	Vertical
12060.00	*			54.00		Vertical
14472.00	*			54.00		Vertical
4824.00	21.36	15.31	36.67	54.00	-17.33	Horizontal
7236.00	24.09	18.06	42.15	54.00	-11.85	Horizontal
9648.00	20.39	23.77	44.16	54.00	-9.84	Horizontal
12060.00	*			54.00		Horizontal
14472.00	*			54.00		Horizontal

TM1 / CH: M						
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.47	15.41	44.88	74.00	-29.12	Vertical
7311.00	29.21	18.01	47.22	74.00	-26.78	Vertical
9748.00	31.12	23.79	54.91	74.00	-19.09	Vertical
12185.00	*			74.00		Vertical
14622.00	*			74.00		Vertical
4874.00	28.65	15.41	44.06	74.00	-29.94	Horizontal
7311.00	30.44	18.01	48.45	74.00	-25.55	Horizontal
9748.00	28.95	23.79	52.74	74.00	-21.26	Horizontal
12185.00	*			74.00		Horizontal
14622.00	*			74.00		Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4874.00	20.29	15.41	35.70	54.00	-18.30	Vertical
7311.00	20.11	18.01	38.12	54.00	-15.88	Vertical
9748.00	21.37	23.79	45.16	54.00	-8.84	Vertical
12185.00	*			54.00		Vertical
14622.00	*			54.00		Vertical
4874.00	19.75	15.41	35.16	54.00	-18.84	Horizontal
7311.00	20.52	18.01	38.53	54.00	-15.47	Horizontal
9748.00	19.66	23.79	43.45	54.00	-10.55	Horizontal
12185.00	*			54.00		Horizontal
14622.00	*			54.00		Horizontal

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TM1 / CH: H						
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4924.00	29.33	15.51	44.84	74.00	-29.16	Vertical
7386.00	29.15	17.97	47.12	74.00	-26.88	Vertical
9848.00	30.56	23.82	54.38	74.00	-19.62	Vertical
12310.00	*			74.00		Vertical
14772.00	*			74.00		Vertical
4924.00	29.31	15.51	44.82	74.00	-29.18	Horizontal
7386.00	30.79	17.97	48.76	74.00	-25.24	Horizontal
9848.00	29.45	23.82	53.27	74.00	-20.73	Horizontal
12310.00	*			74.00		Horizontal
14772.00	*			74.00		Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4924.00	20.12	15.51	35.63	54.00	-18.37	Vertical
7386.00	19.55	17.97	37.52	54.00	-16.48	Vertical
9848.00	21.81	23.82	45.63	54.00	-8.37	Vertical
12310.00	*			54.00		Vertical
14772.00	*			54.00		Vertical
4924.00	19.56	15.51	35.07	54.00	-18.93	Horizontal
7386.00	20.90	17.97	38.87	54.00	-15.13	Horizontal
9848.00	19.89	23.82	43.71	54.00	-10.29	Horizontal
12310.00	*			54.00		Horizontal
14772.00	*			54.00		Horizontal

Remark:

1. Result =Reading + Factor
2. Test frequency are from 1GHz to 25GHz, “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.
3. Only the worst case is recorded in the report.

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph



Appendix Test Data

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.320	2406.880	2417.200	0.5	PASS
11B	Ant1	2437	10.360	2431.840	2442.200	0.5	PASS
11B	Ant1	2462	10.360	2456.840	2467.200	0.5	PASS
11G	Ant1	2412	15.040	2404.680	2419.720	0.5	PASS
11G	Ant1	2437	14.920	2429.800	2444.720	0.5	PASS
11G	Ant1	2462	15.000	2454.600	2469.600	0.5	PASS
11N20SISO	Ant1	2412	15.960	2404.080	2420.040	0.5	PASS
11N20SISO	Ant1	2437	15.960	2428.840	2444.800	0.5	PASS
11N20SISO	Ant1	2462	16.040	2453.840	2469.880	0.5	PASS
11N40SISO	Ant1	2422	33.040	2404.720	2437.760	0.5	PASS
11N40SISO	Ant1	2437	32.640	2419.960	2452.600	0.5	PASS
11N40SISO	Ant1	2452	33.200	2434.720	2467.920	0.5	PASS

Test Graphs



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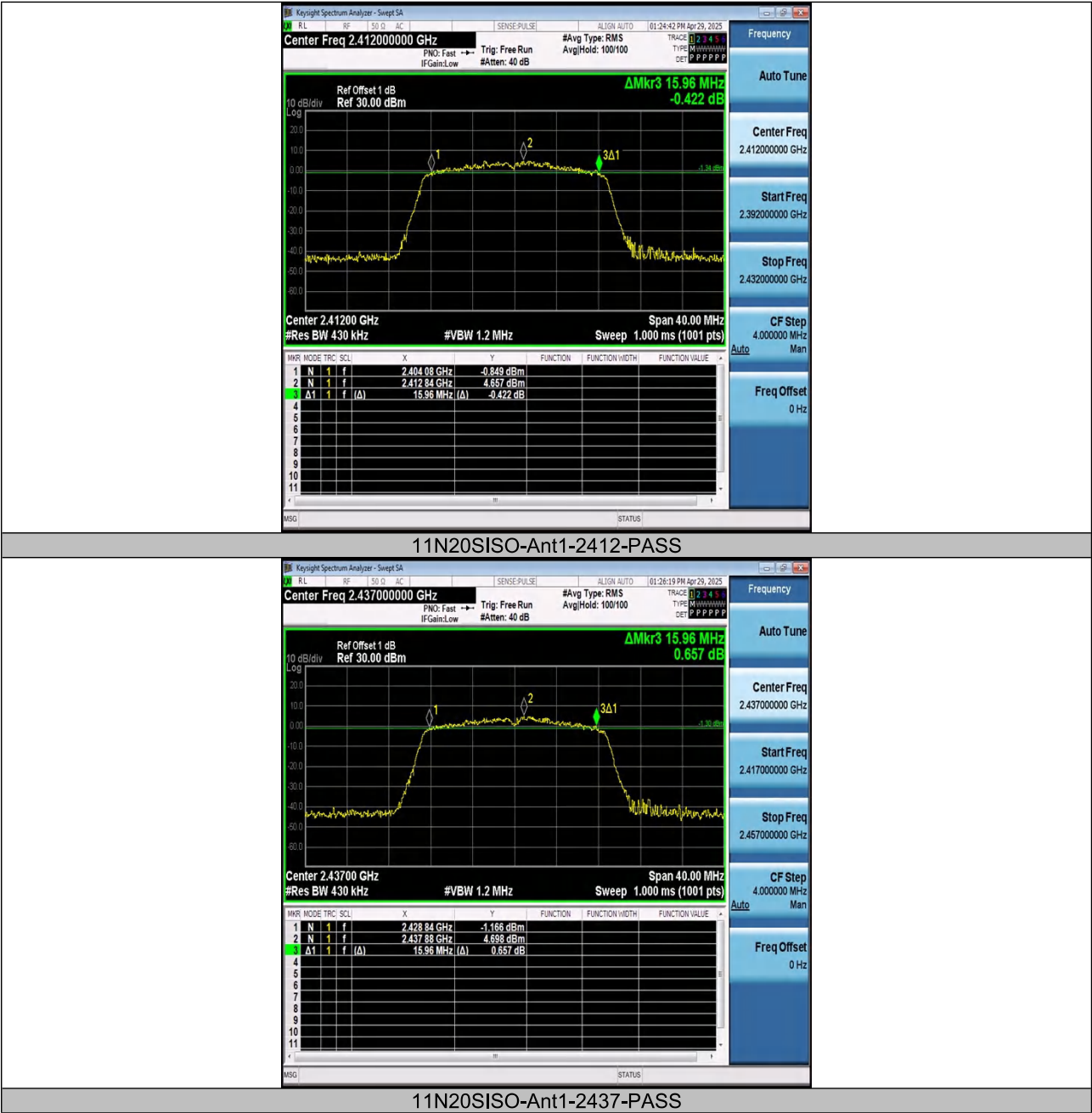


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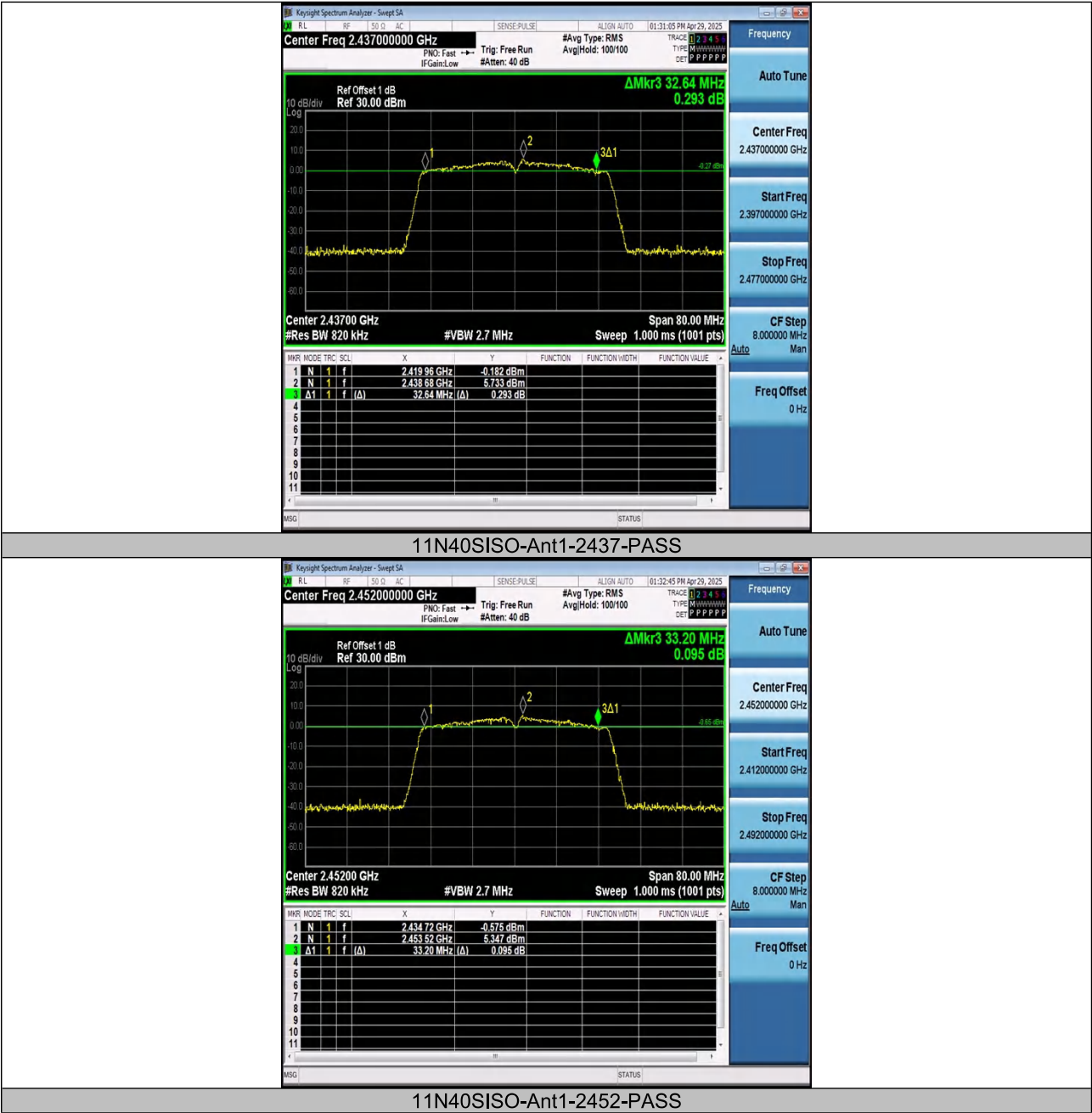
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.950	2405.0456	2418.9956	---	---
11B	Ant1	2437	13.925	2430.0337	2443.9587	---	---
11B	Ant1	2462	13.934	2455.0335	2468.9675	---	---
11G	Ant1	2412	16.204	2403.9324	2420.1364	---	---
11G	Ant1	2437	16.207	2428.9316	2445.1386	---	---
11G	Ant1	2462	16.209	2453.9459	2470.1549	---	---
11N20SISO	Ant1	2412	17.332	2403.3450	2420.6770	---	---
11N20SISO	Ant1	2437	17.304	2428.3625	2445.6665	---	---
11N20SISO	Ant1	2462	17.333	2453.3542	2470.6872	---	---
11N40SISO	Ant1	2422	35.697	2404.2131	2439.9101	---	---
11N40SISO	Ant1	2437	35.710	2419.2217	2454.9317	---	---
11N40SISO	Ant1	2452	35.725	2434.2240	2469.9490	---	---

Test Graphs



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Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	12.00	100.00	0.00	12.00	≤30.00	PASS
11B	Ant1	2437	11.80	100.00	0.00	11.80	≤30.00	PASS
11B	Ant1	2462	11.10	100.00	0.00	11.10	≤30.00	PASS
11G	Ant1	2412	11.52	100.00	0.00	11.52	≤30.00	PASS
11G	Ant1	2437	11.51	100.00	0.00	11.51	≤30.00	PASS
11G	Ant1	2462	11.08	100.00	0.00	11.08	≤30.00	PASS
11N20SIS O	Ant1	2412	11.33	100.00	0.00	11.33	≤30.00	PASS
11N20SIS O	Ant1	2437	11.31	100.00	0.00	11.31	≤30.00	PASS
11N20SIS O	Ant1	2462	10.90	100.00	0.00	10.90	≤30.00	PASS
11N40SIS O	Ant1	2422	11.16	100.00	0.00	11.16	≤30.00	PASS
11N40SIS O	Ant1	2437	11.26	100.00	0.00	11.26	≤30.00	PASS
11N40SIS O	Ant1	2452	10.86	100.00	0.00	10.86	≤30.00	PASS

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

Test Graphs Average



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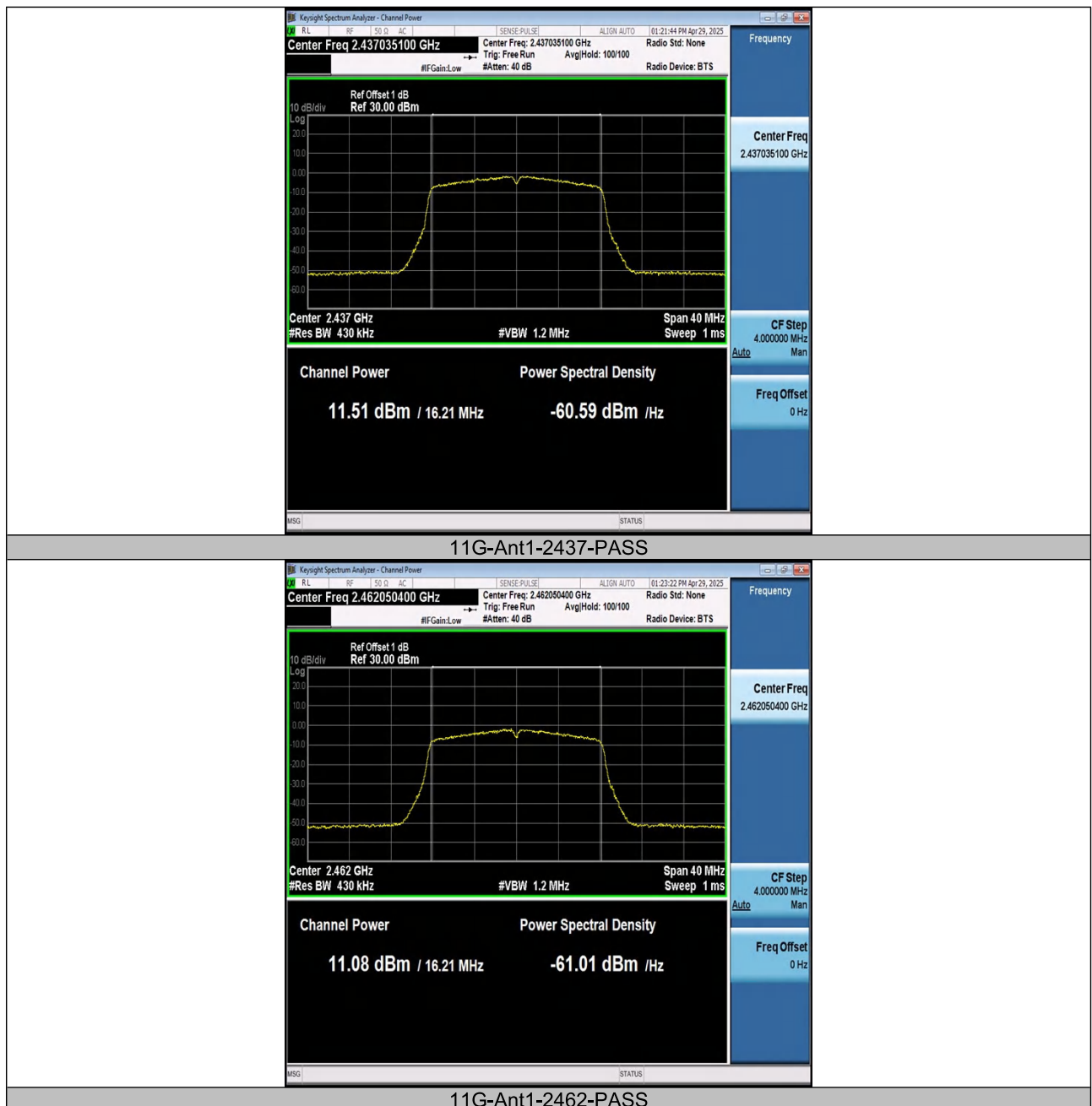
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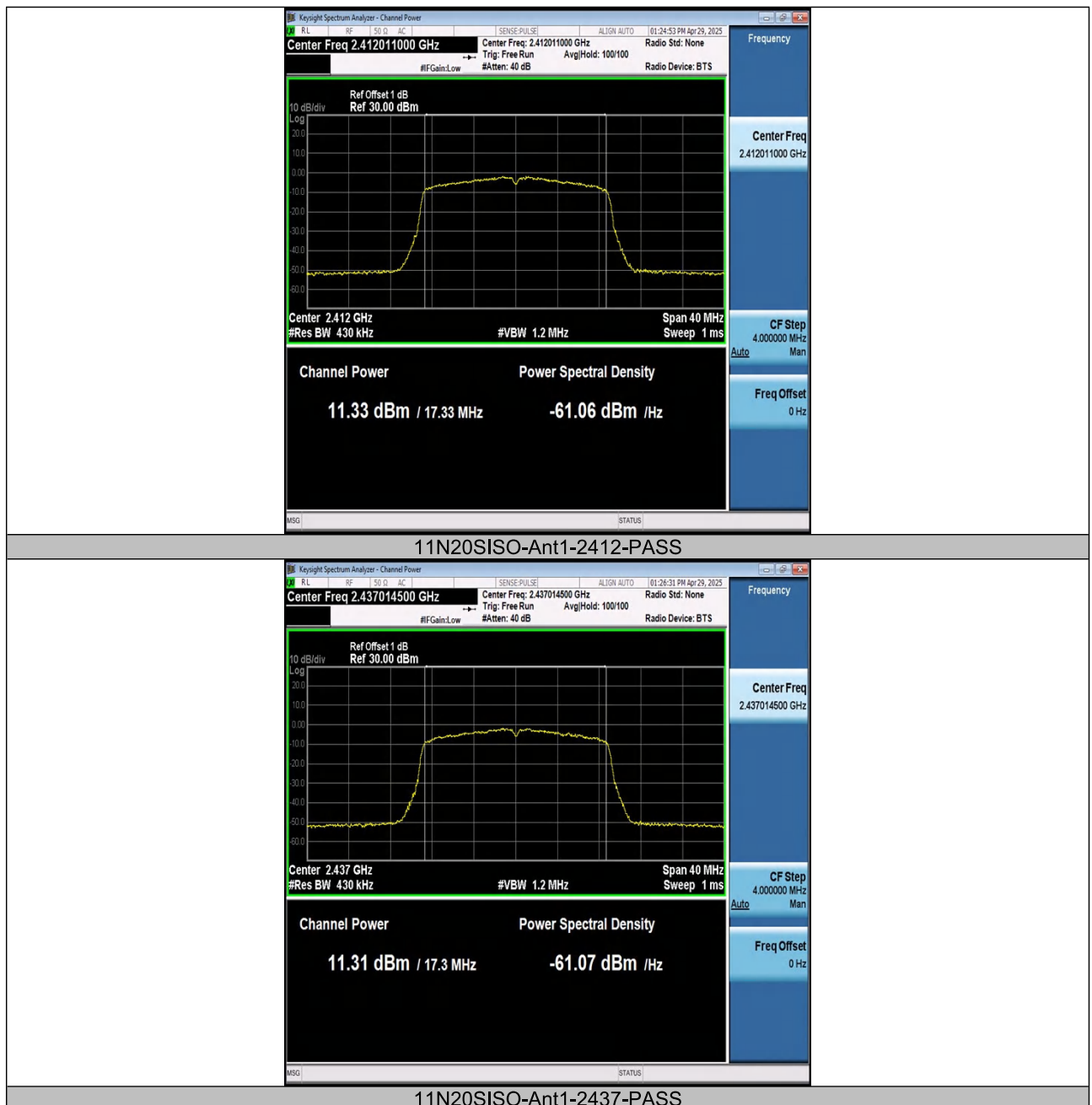
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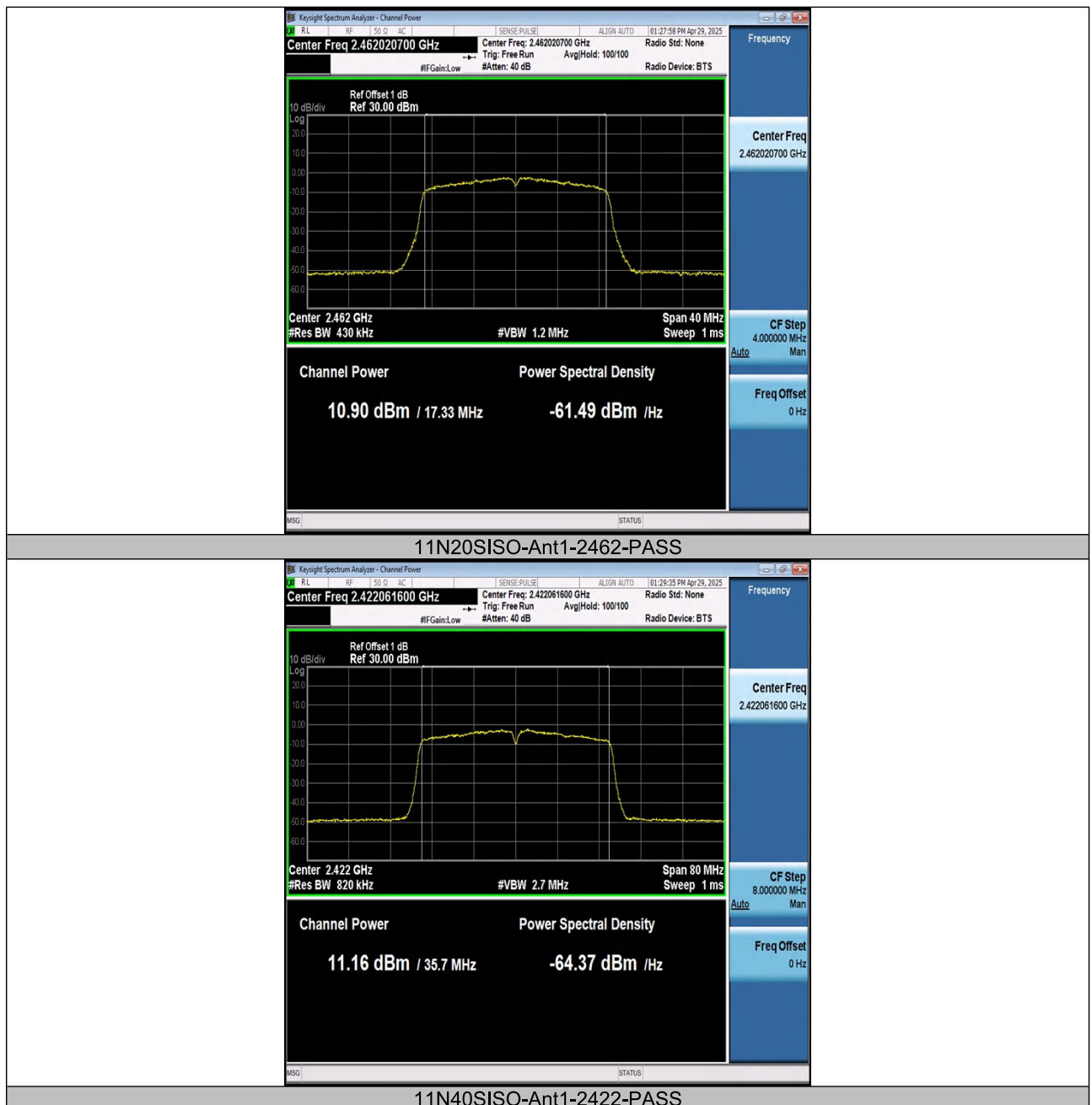
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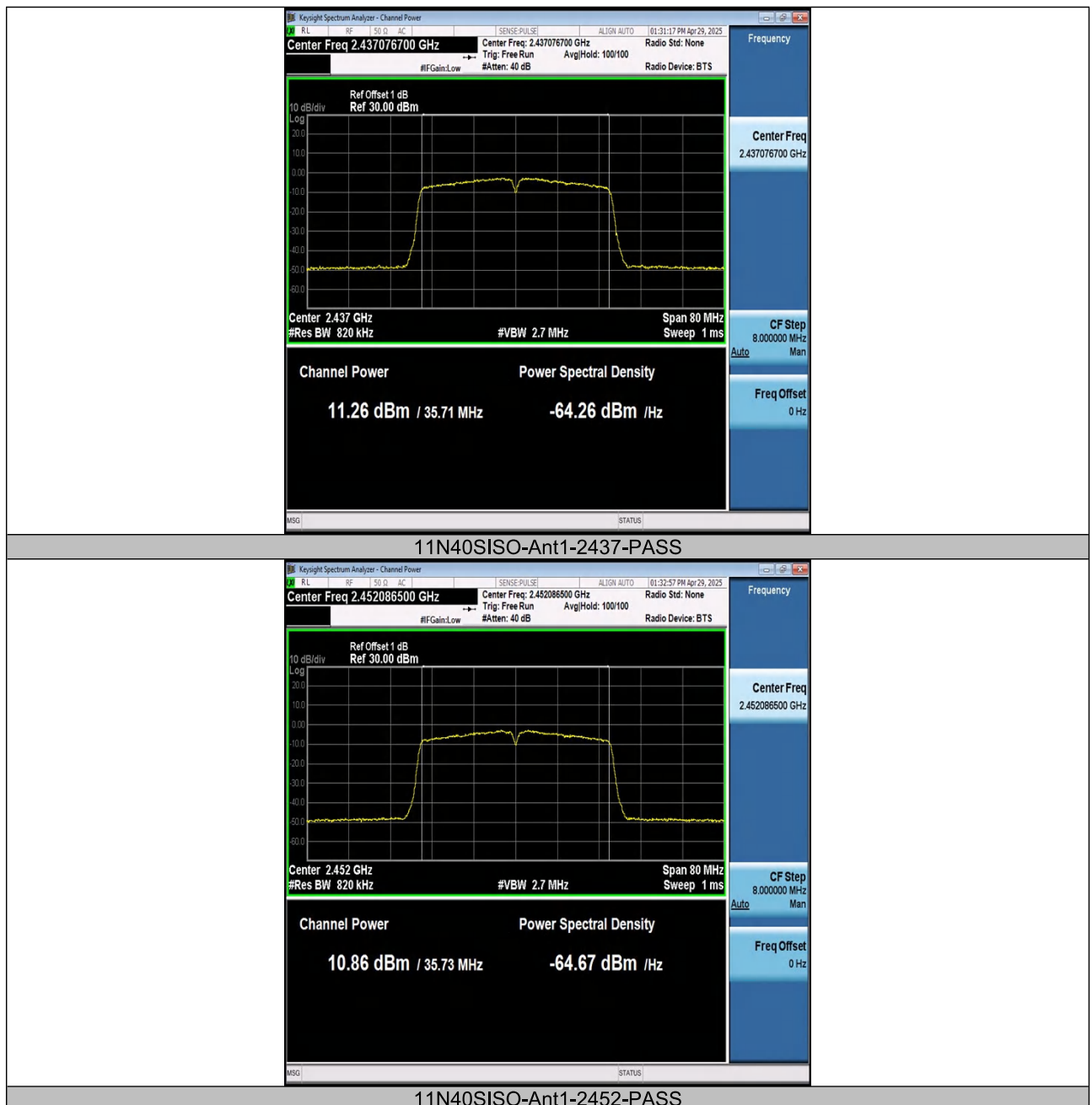
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Appendix D: Maximum power spectral density

Test Result

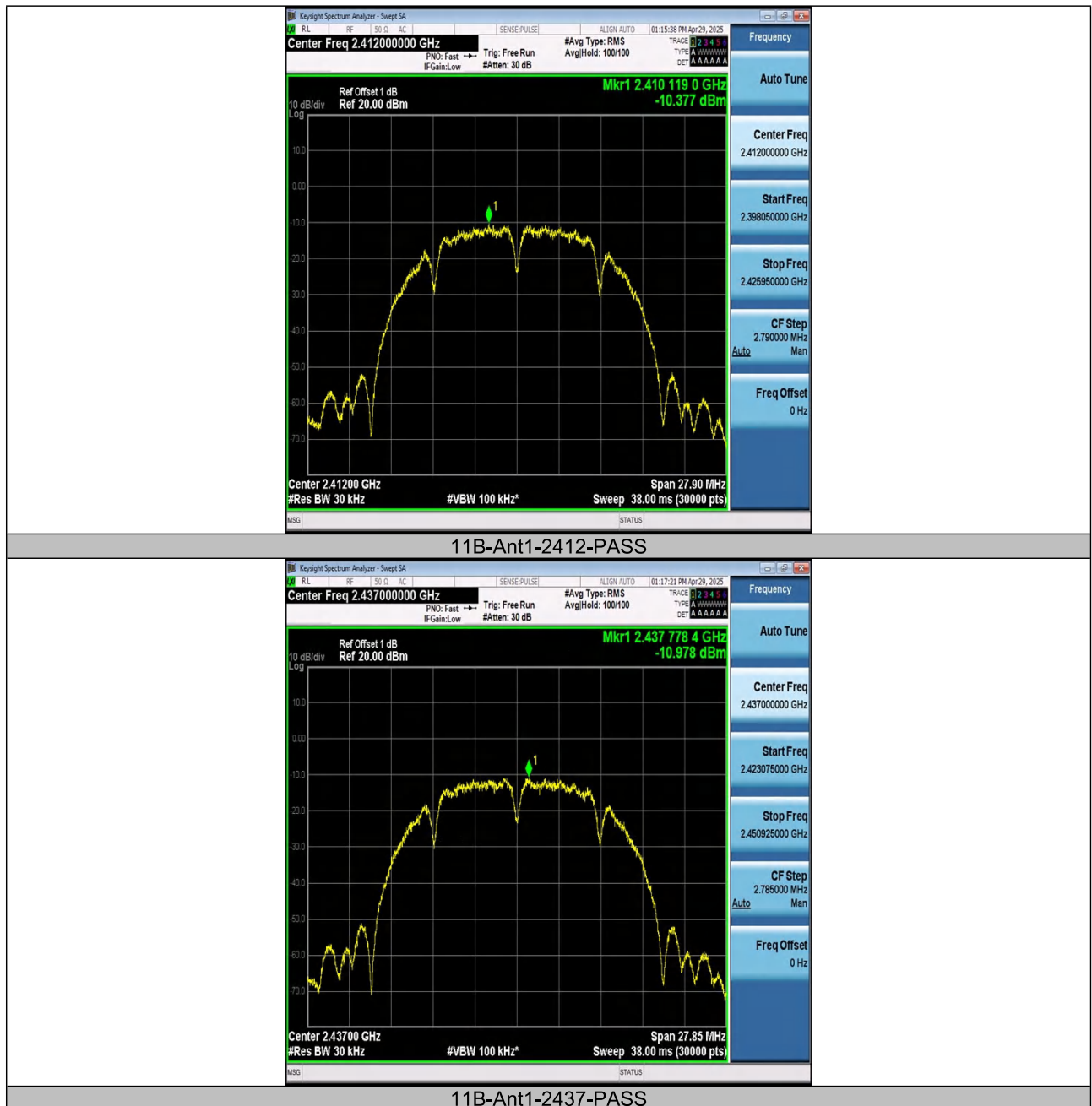
Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.38	-20.38	≤8.00	PASS
11B	Ant1	2437	-10.98	-20.98	≤8.00	PASS
11B	Ant1	2462	-11.43	-21.43	≤8.00	PASS
11G	Ant1	2412	-10.11	-20.11	≤8.00	PASS
11G	Ant1	2437	-9.57	-19.57	≤8.00	PASS
11G	Ant1	2462	-10.65	-20.65	≤8.00	PASS
11N20SIS O	Ant1	2412	-10.45	-20.45	≤8.00	PASS
11N20SIS O	Ant1	2437	-10.49	-20.49	≤8.00	PASS
11N20SIS O	Ant1	2462	-10.87	-20.87	≤8.00	PASS
11N40SIS O	Ant1	2422	-12.60	-22.6	≤8.00	PASS
11N40SIS O	Ant1	2437	-12.48	-22.48	≤8.00	PASS
11N40SIS O	Ant1	2452	-13.02	-23.02	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$



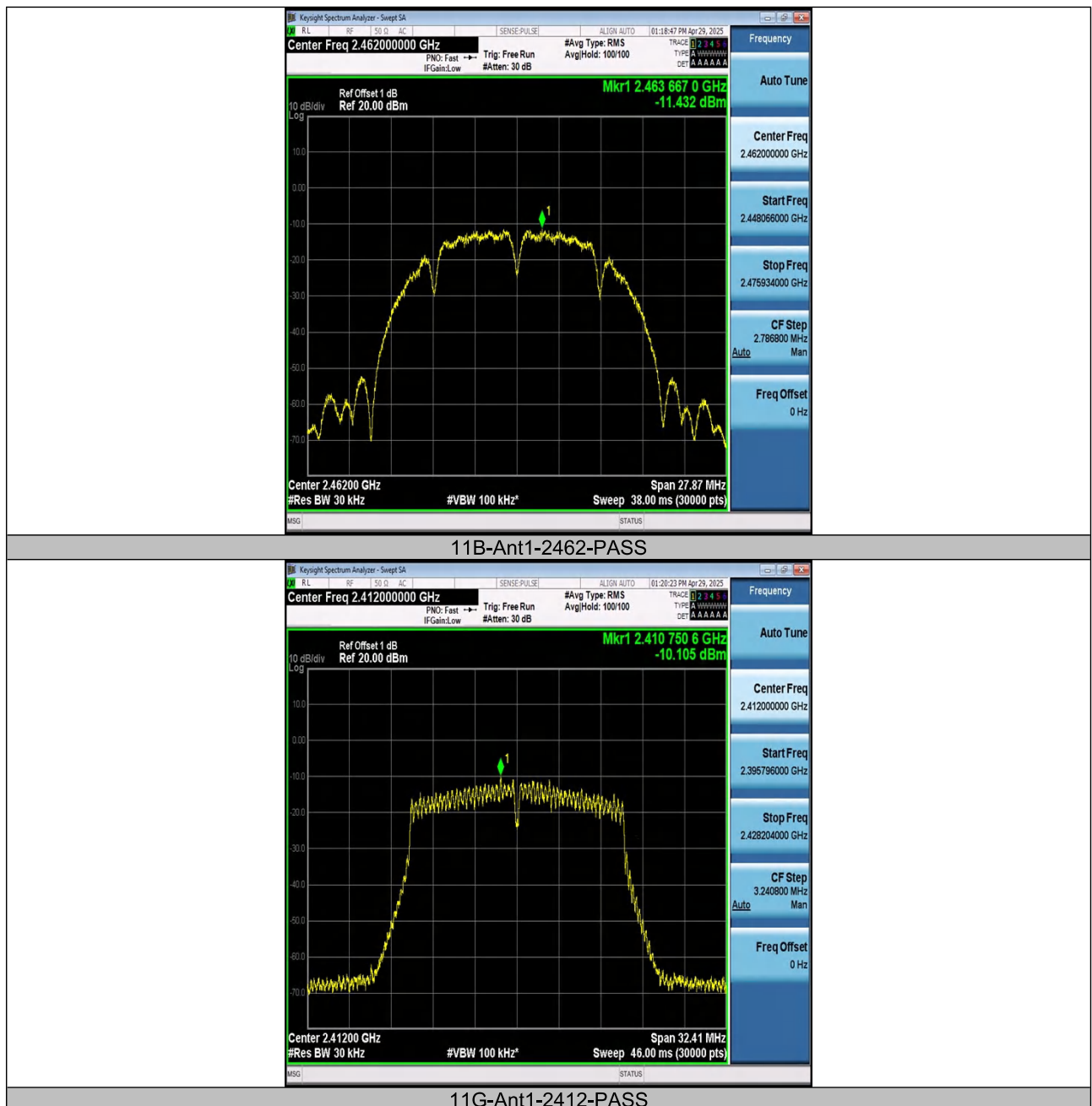
Test Graphs



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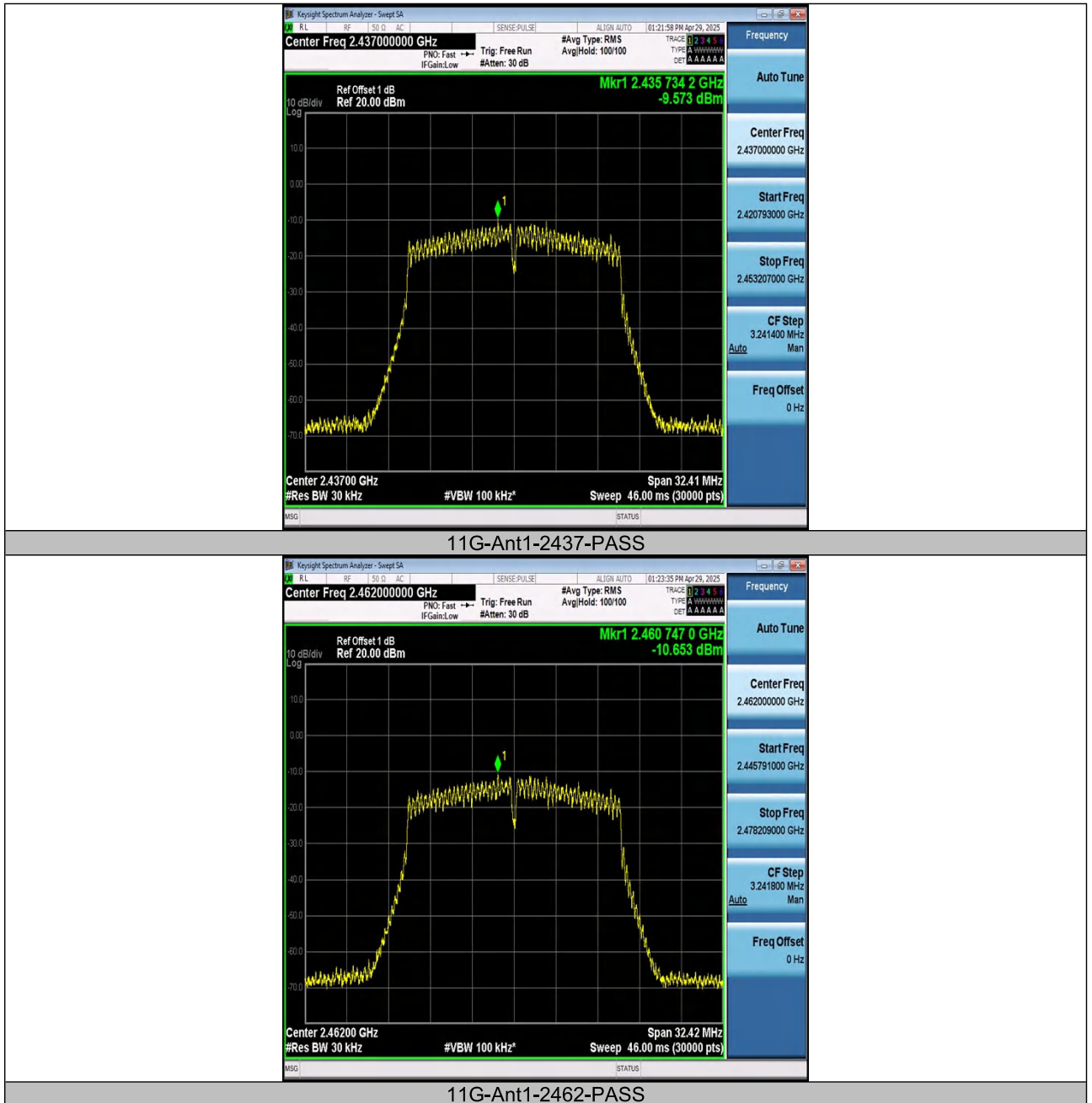
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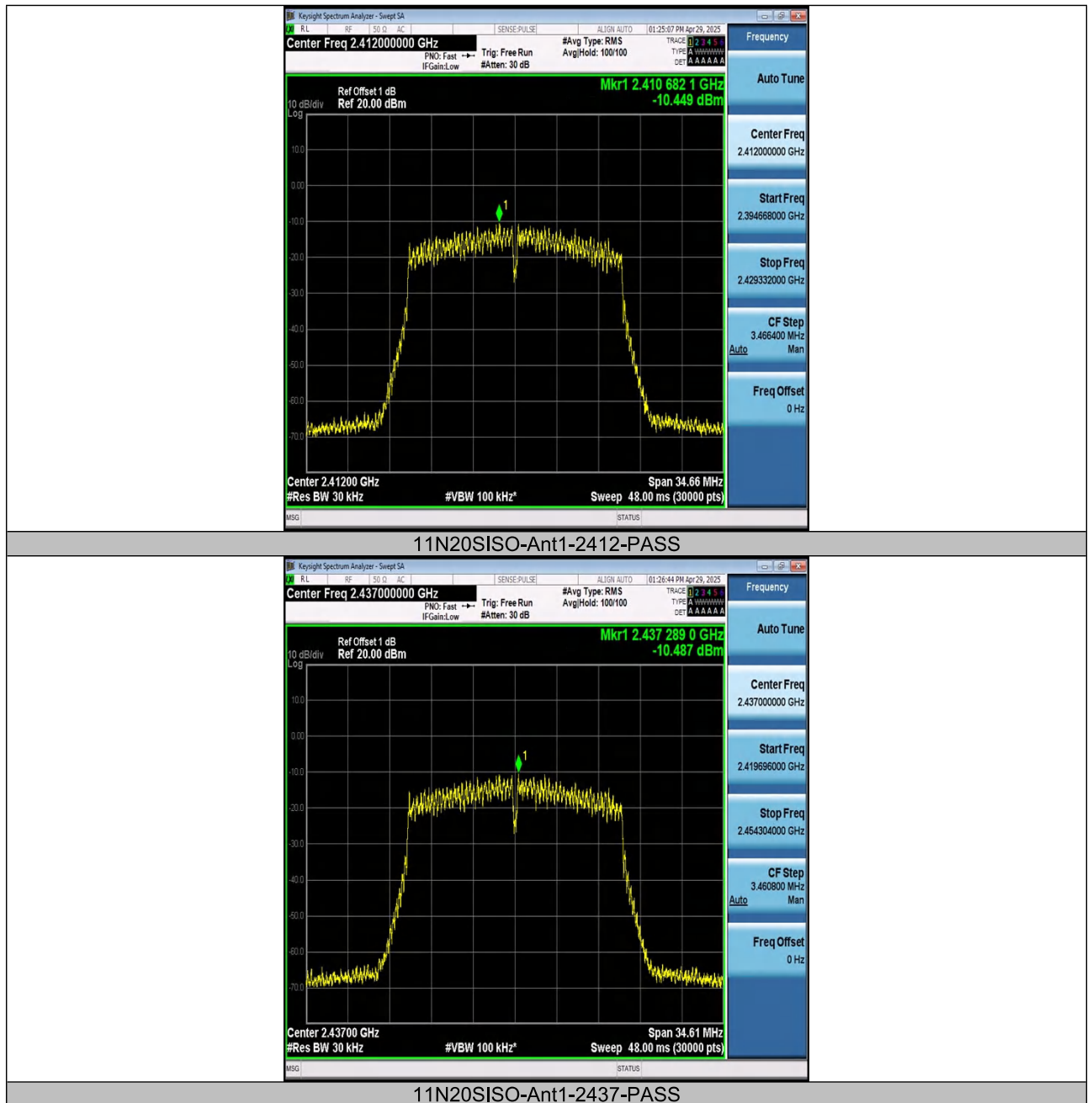
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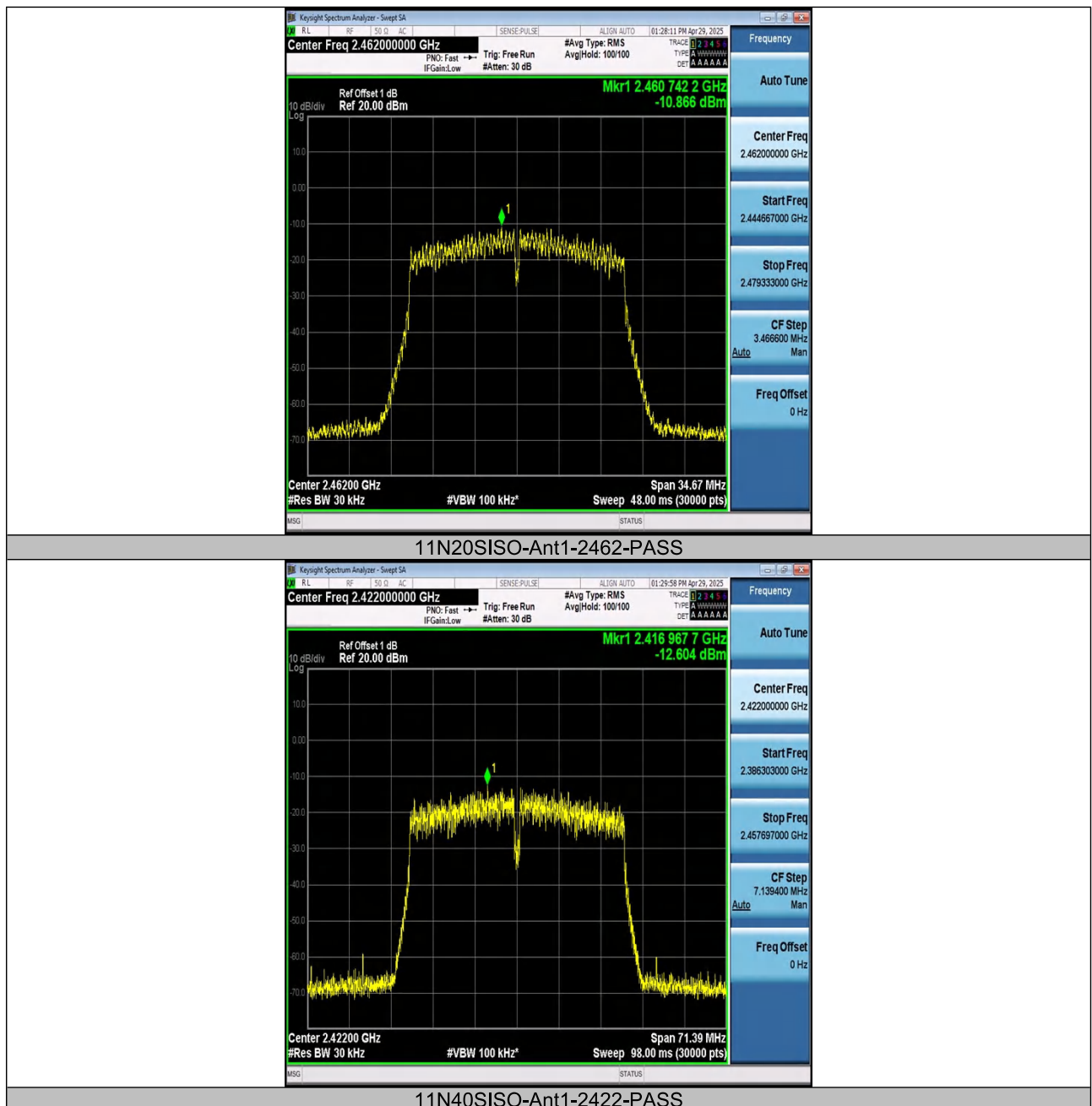
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