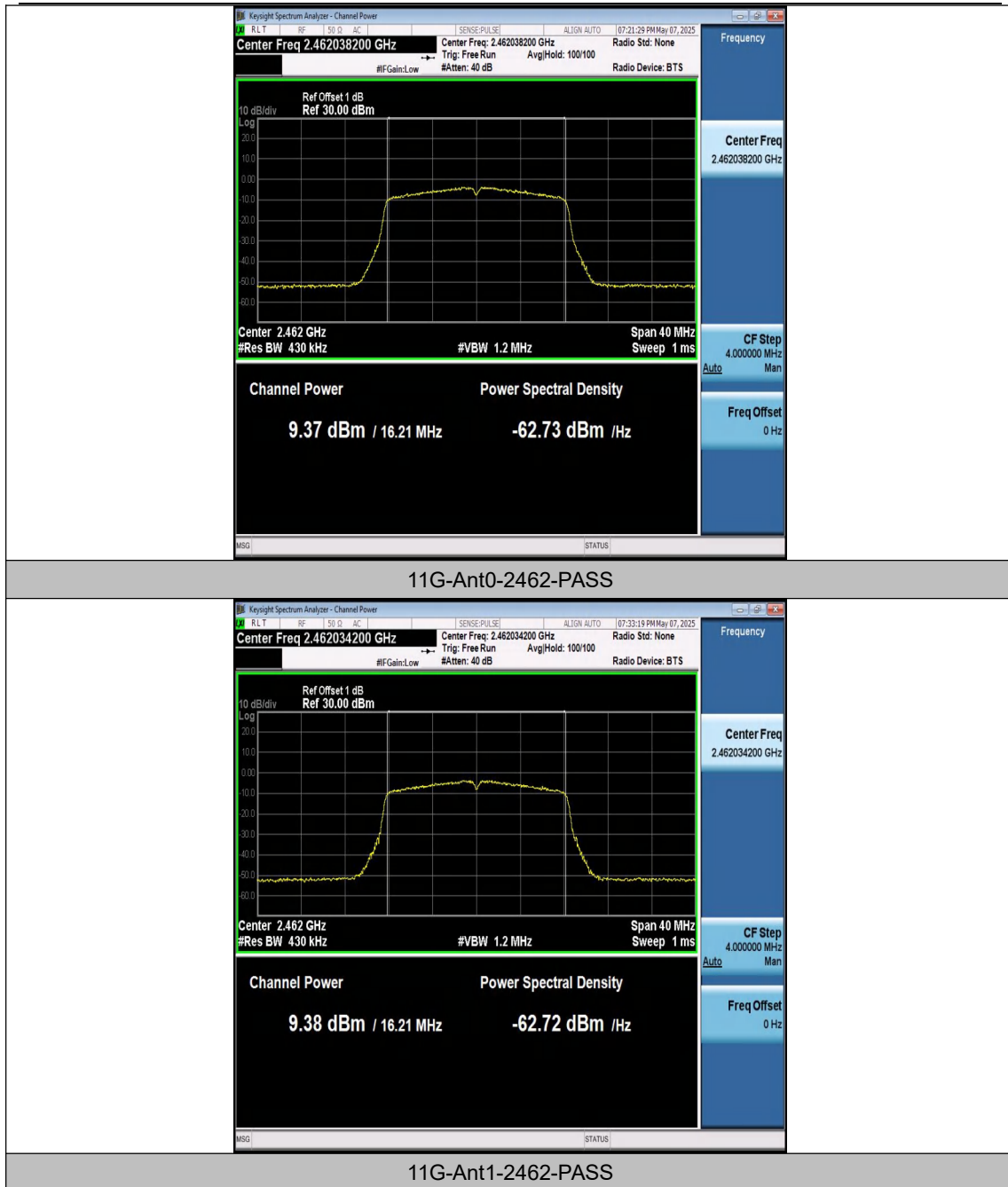
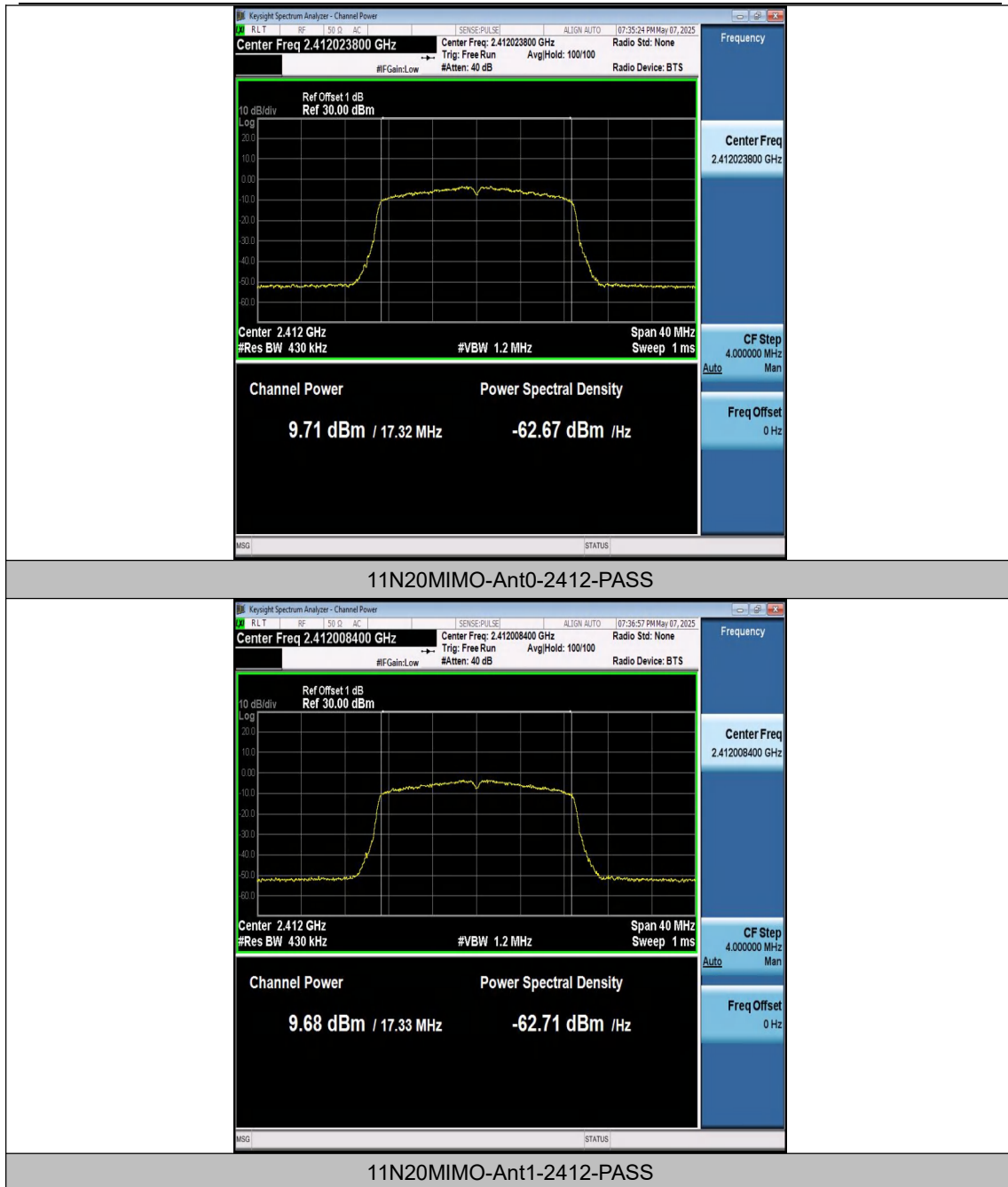


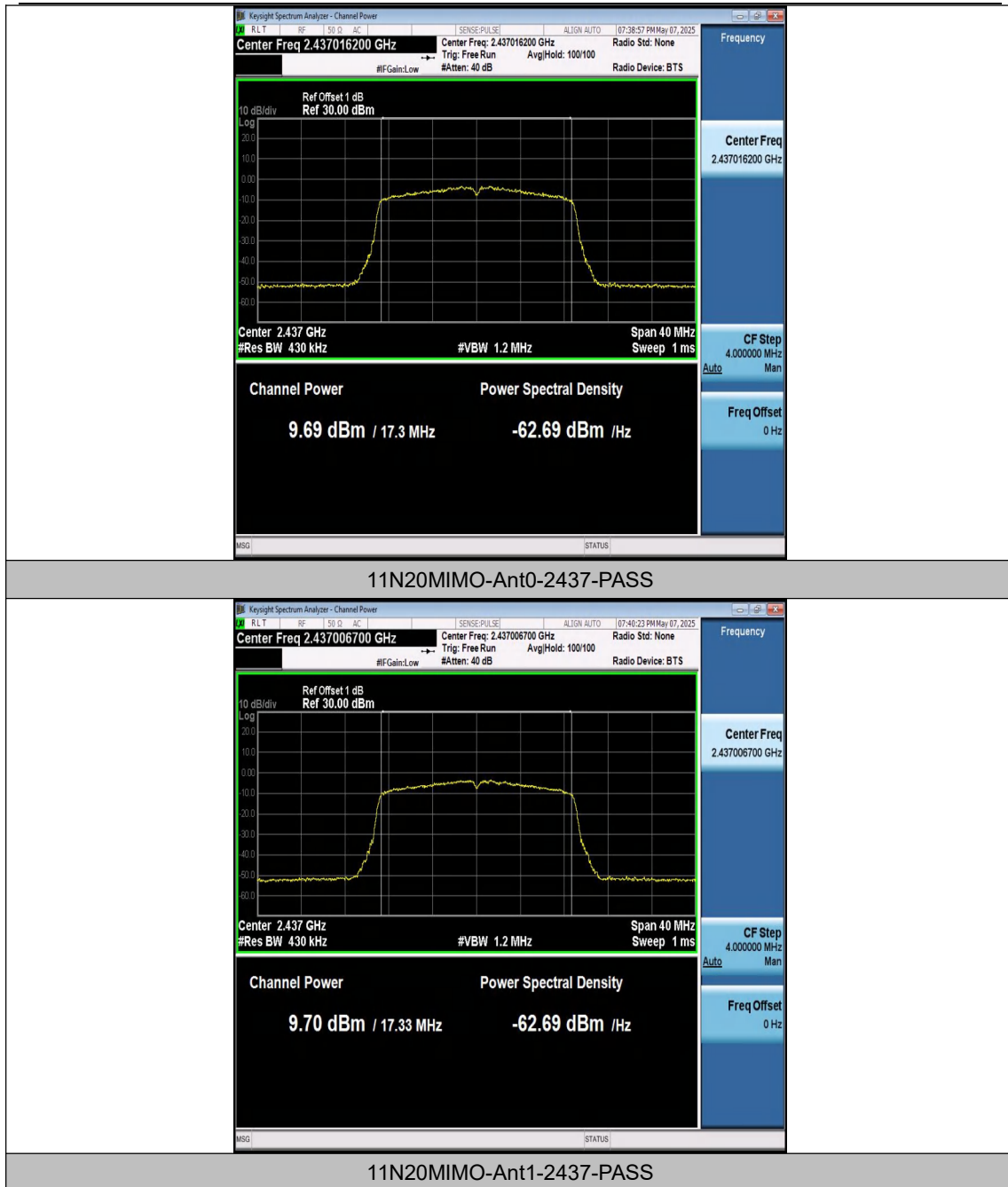


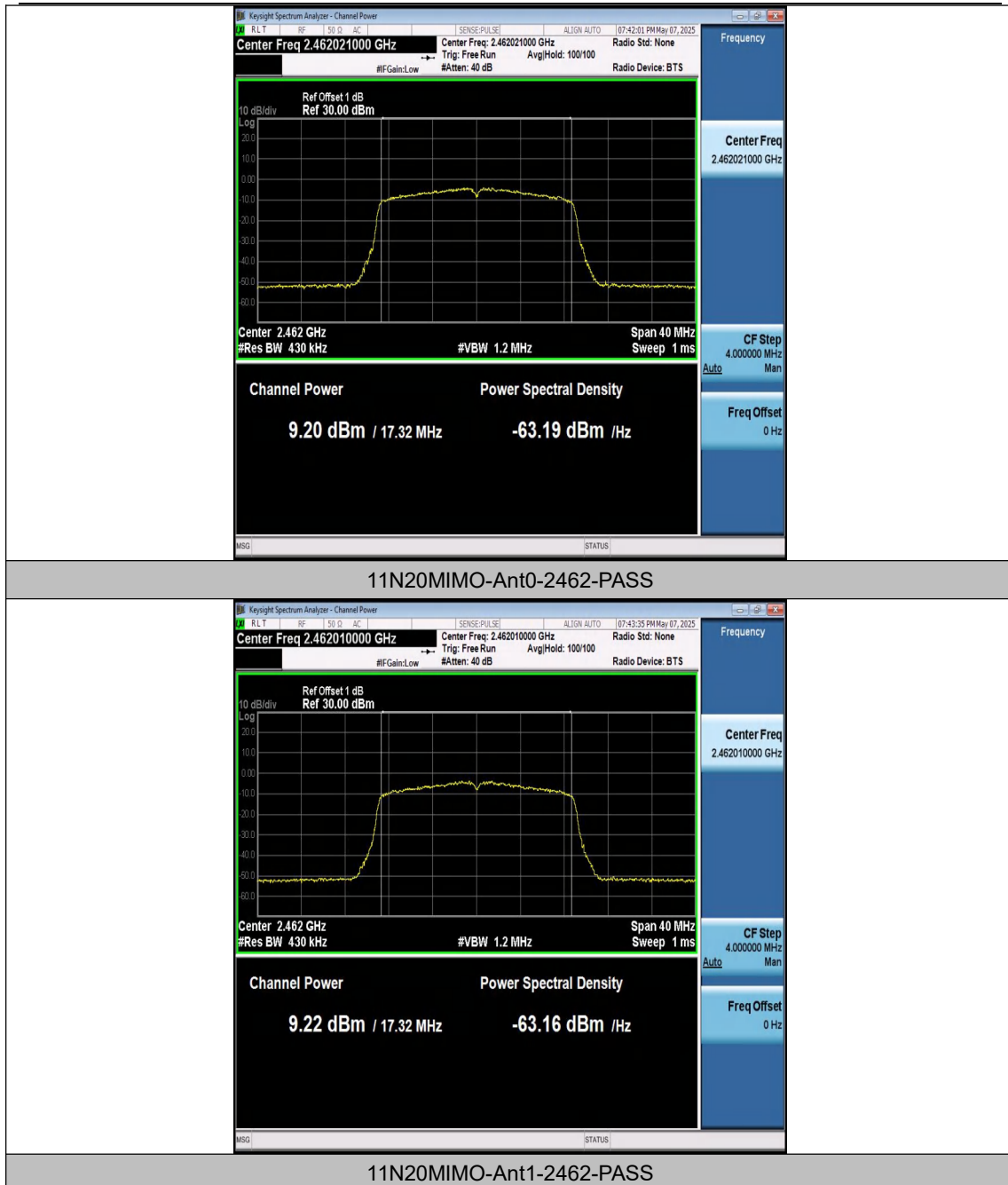
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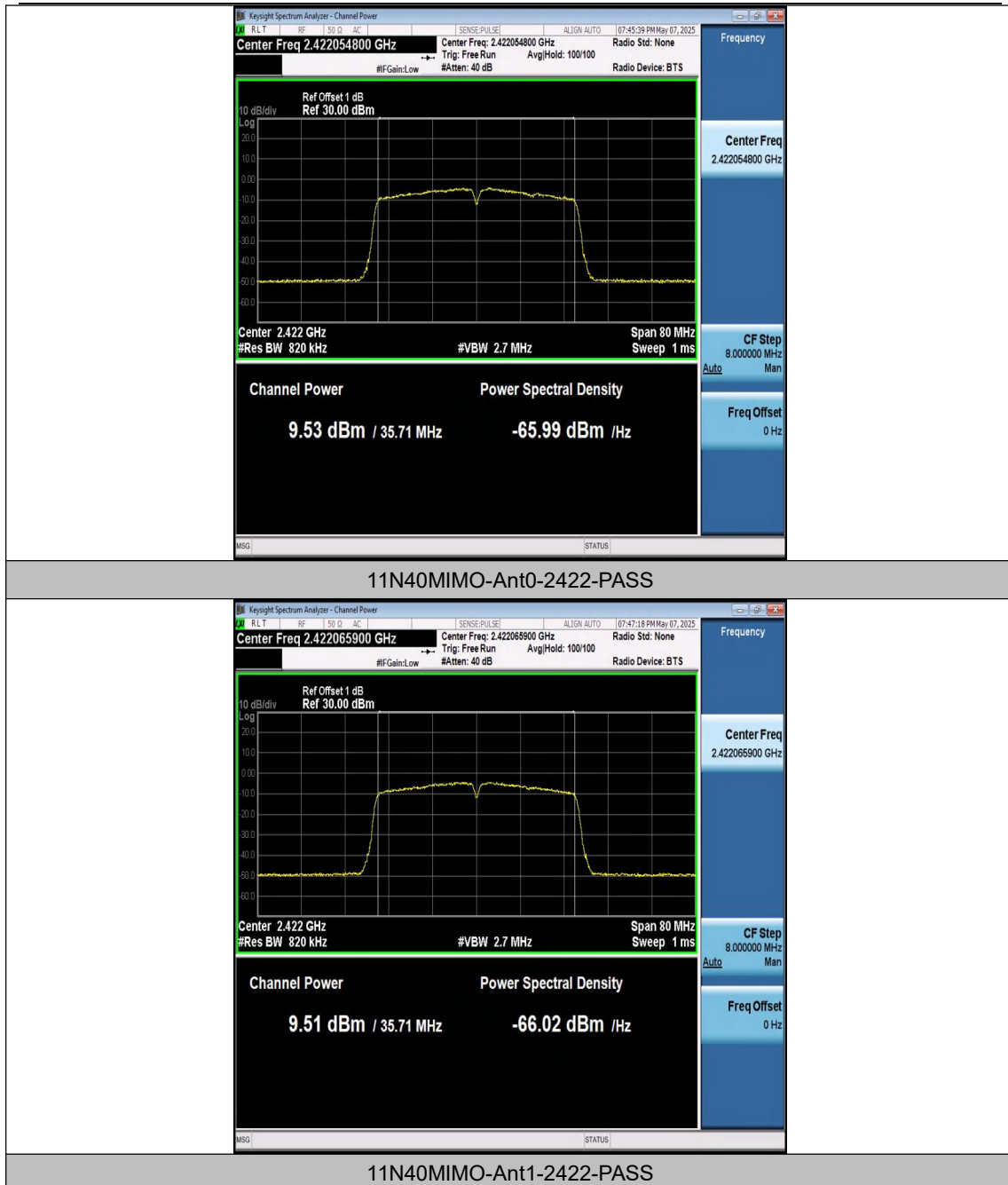
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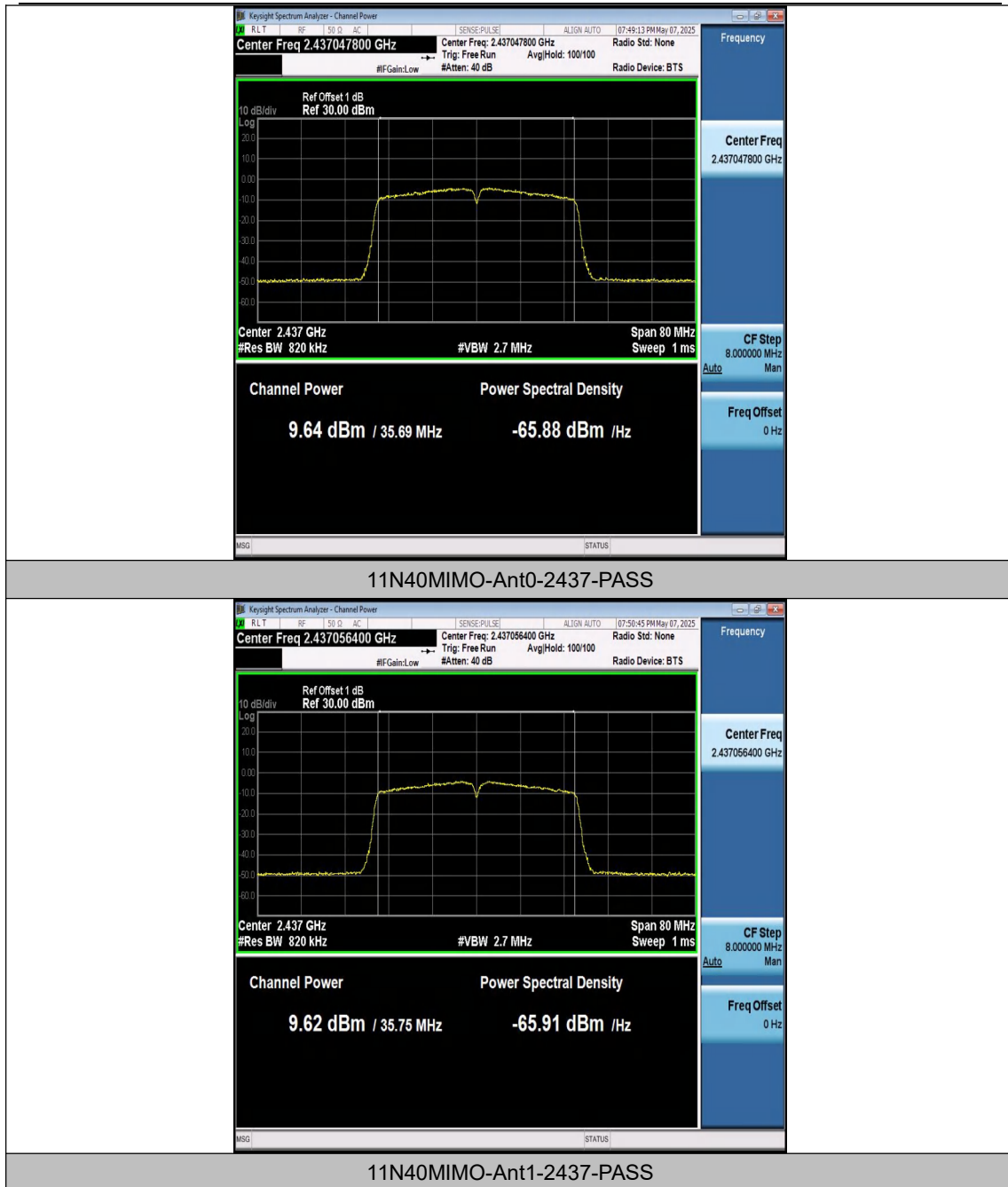
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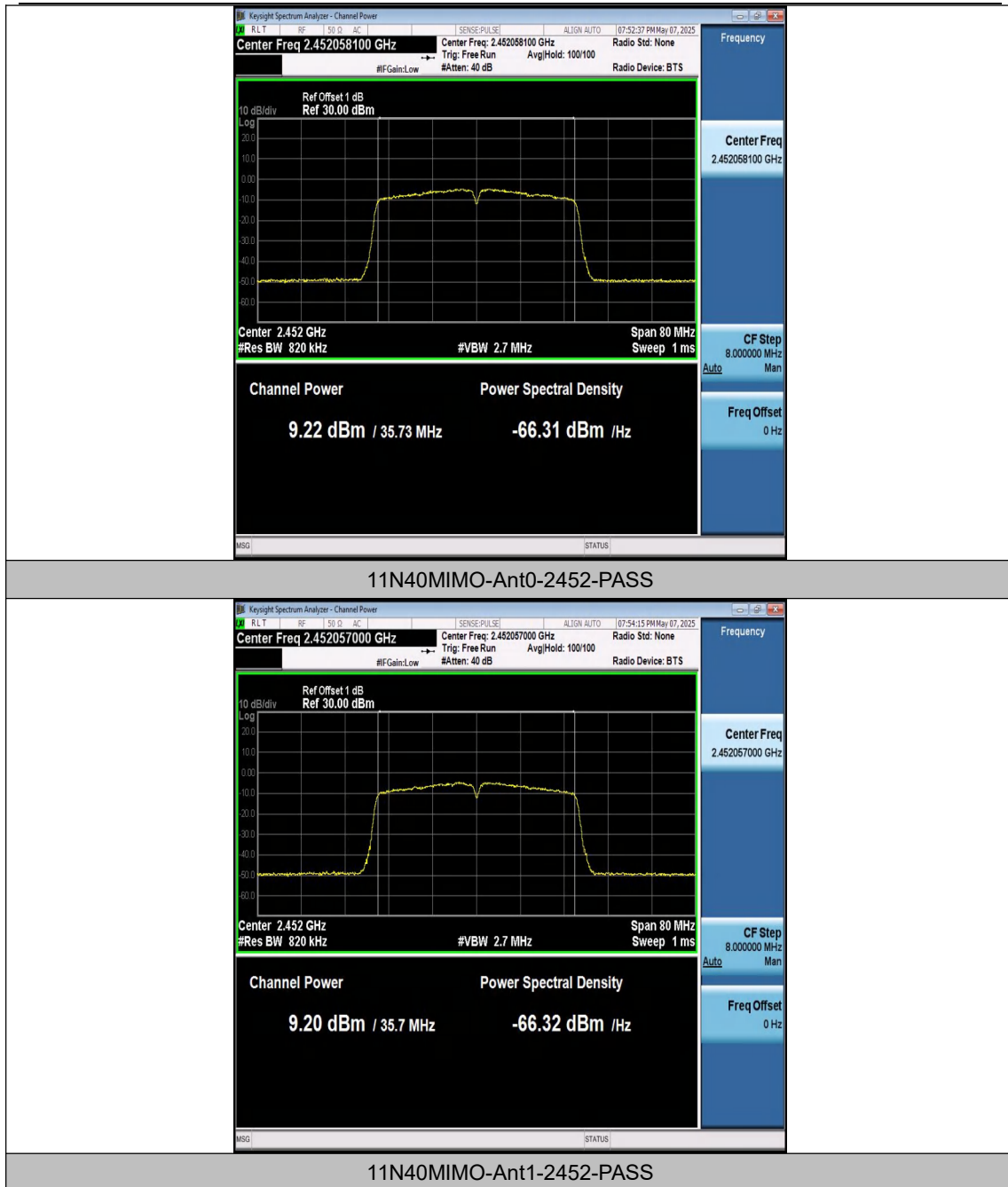












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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-14.32	-24.32	≤8.00	PASS
11B	Ant1	2412	-14.07	-24.07	≤8.00	PASS
11B	Ant0	2437	-14.19	-24.19	≤8.00	PASS
11B	Ant1	2437	-14.49	-24.49	≤8.00	PASS
11B	Ant0	2462	-14.40	-24.4	≤8.00	PASS
11B	Ant1	2462	-15.12	-25.12	≤8.00	PASS
11G	Ant0	2412	-11.55	-21.55	≤8.00	PASS
11G	Ant1	2412	-11.60	-21.6	≤8.00	PASS
11G	Ant0	2437	-10.56	-20.56	≤8.00	PASS
11G	Ant1	2437	-11.33	-21.33	≤8.00	PASS
11G	Ant0	2462	-12.64	-22.64	≤8.00	PASS
11G	Ant1	2462	-12.73	-22.73	≤8.00	PASS
11N20MI MO	Ant0	2412	-12.39	-22.39	≤8.00	PASS
11N20MI MO	Ant1	2412	-12.28	-22.28	≤8.00	PASS
11N20MI MO	total	2412	-9.32	-19.32	≤7.23	PASS
11N20MI MO	Ant0	2437	-12.40	-22.4	≤8.00	PASS
11N20MI MO	Ant1	2437	-11.72	-21.72	≤8.00	PASS
11N20MI MO	total	2437	-9.04	-19.04	≤7.23	PASS
11N20MI MO	Ant0	2462	-12.40	-22.4	≤8.00	PASS
11N20MI MO	Ant1	2462	-12.66	-22.66	≤8.00	PASS
11N20MI MO	total	2462	-9.52	-19.52	≤7.23	PASS
11N40MI MO	Ant0	2422	-14.22	-24.22	≤8.00	PASS
11N40MI MO	Ant1	2422	-13.95	-23.95	≤8.00	PASS
11N40MI MO	total	2422	-11.07	-21.07	≤7.23	PASS
11N40MI	Ant0	2437	-13.92	-23.92	≤8.00	PASS

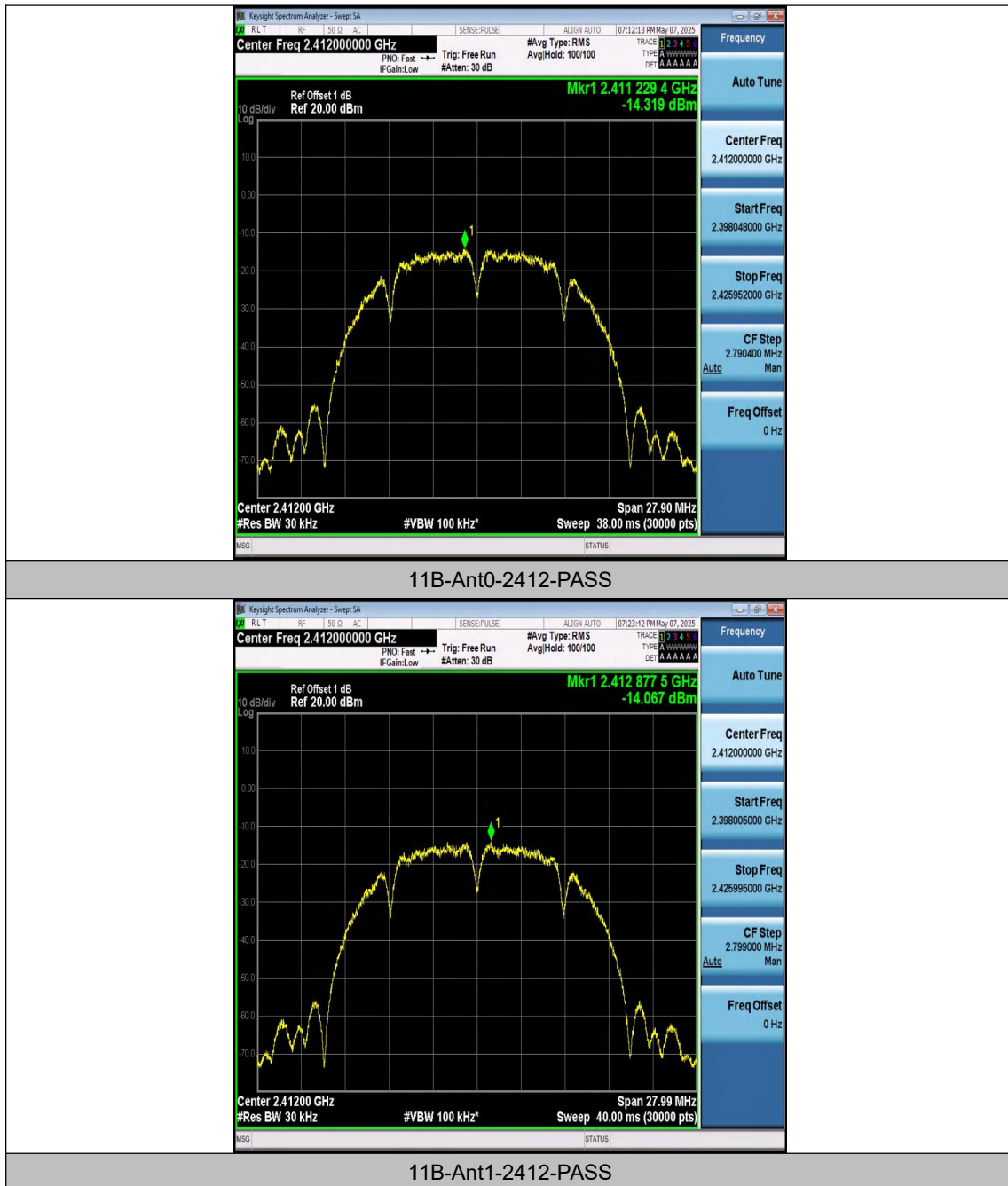
MO						
11N40MI MO	Ant1	2437	-14.22	-24.22	≤ 8.00	PASS
11N40MI MO	total	2437	-11.06	-21.06	≤ 7.23	PASS
11N40MI MO	Ant0	2452	-14.15	-24.15	≤ 8.00	PASS
11N40MI MO	Ant1	2452	-14.59	-24.59	≤ 8.00	PASS
11N40MI MO	total	2452	-11.35	-21.35	≤ 7.23	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$
3. As Directional gain = $10 \log[(10G1/20 + 10G2/20) \cdot 2 / NANT]$ dBi=6.77>6dBi,
so limit=8-(6.77-6.00)=7.23dBm.
4. $MIMO = 10 \cdot \log((10^{ANT1/10}) + 10^{(ANT2/10)})$



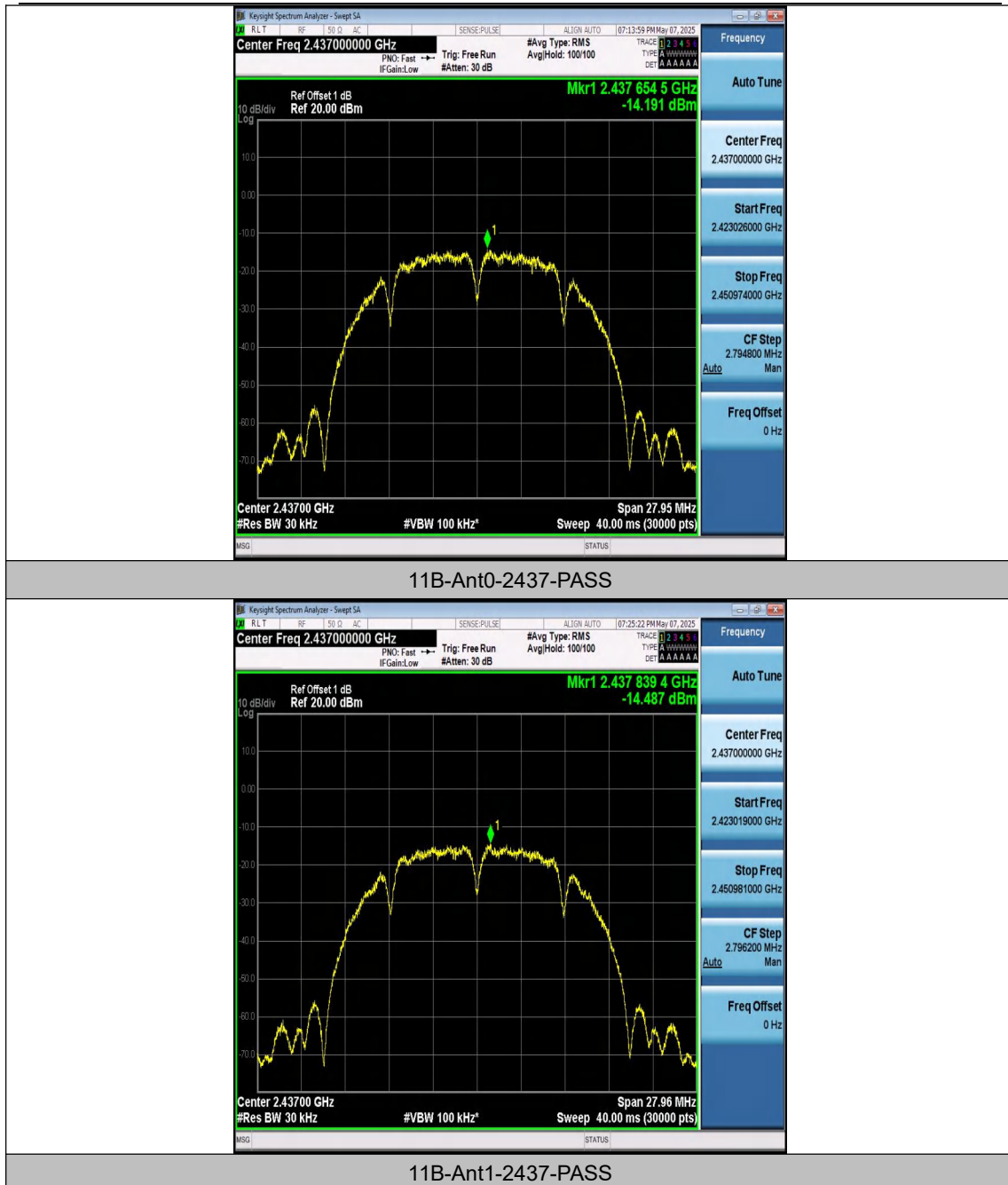
Test Graphs



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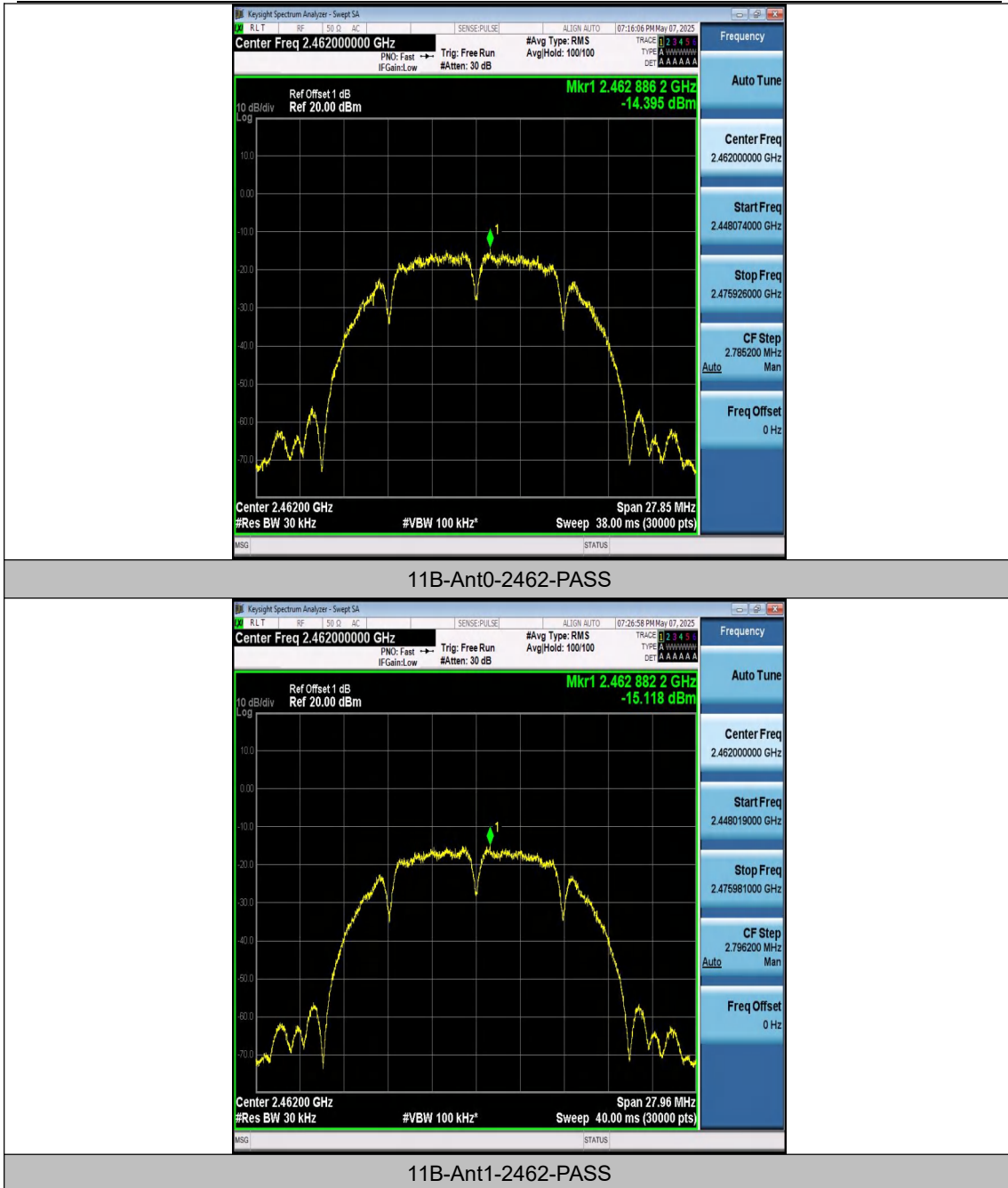
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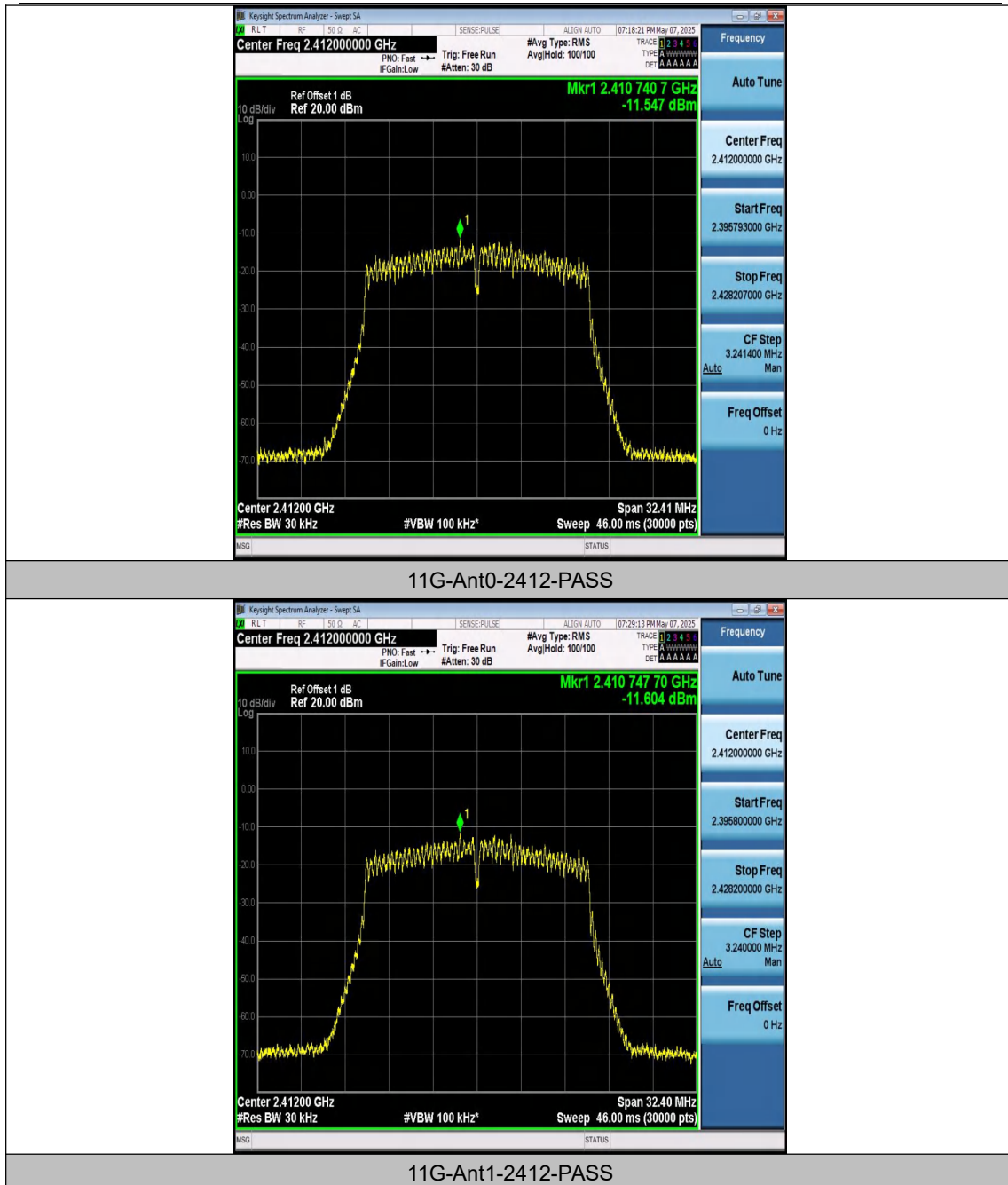


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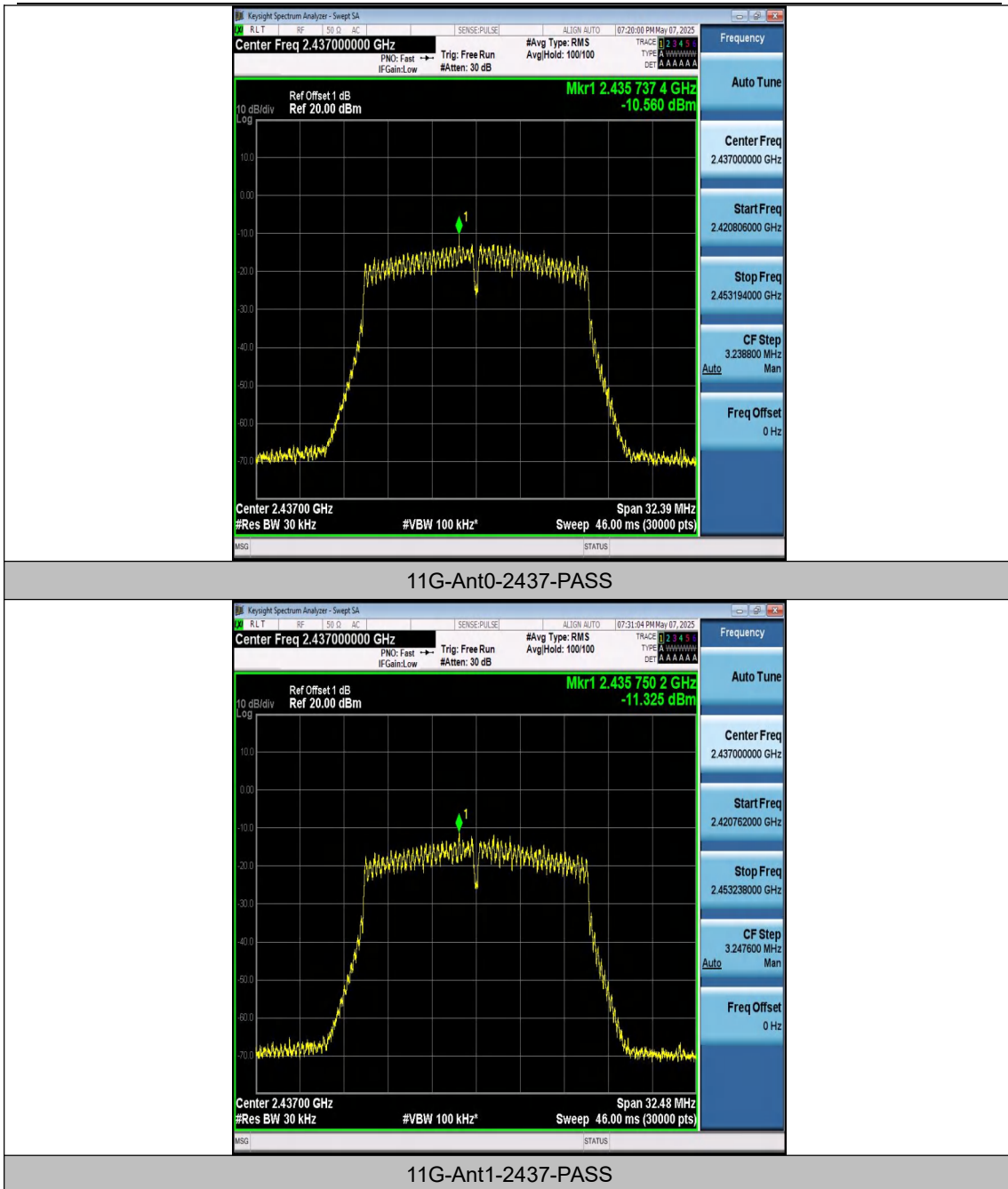


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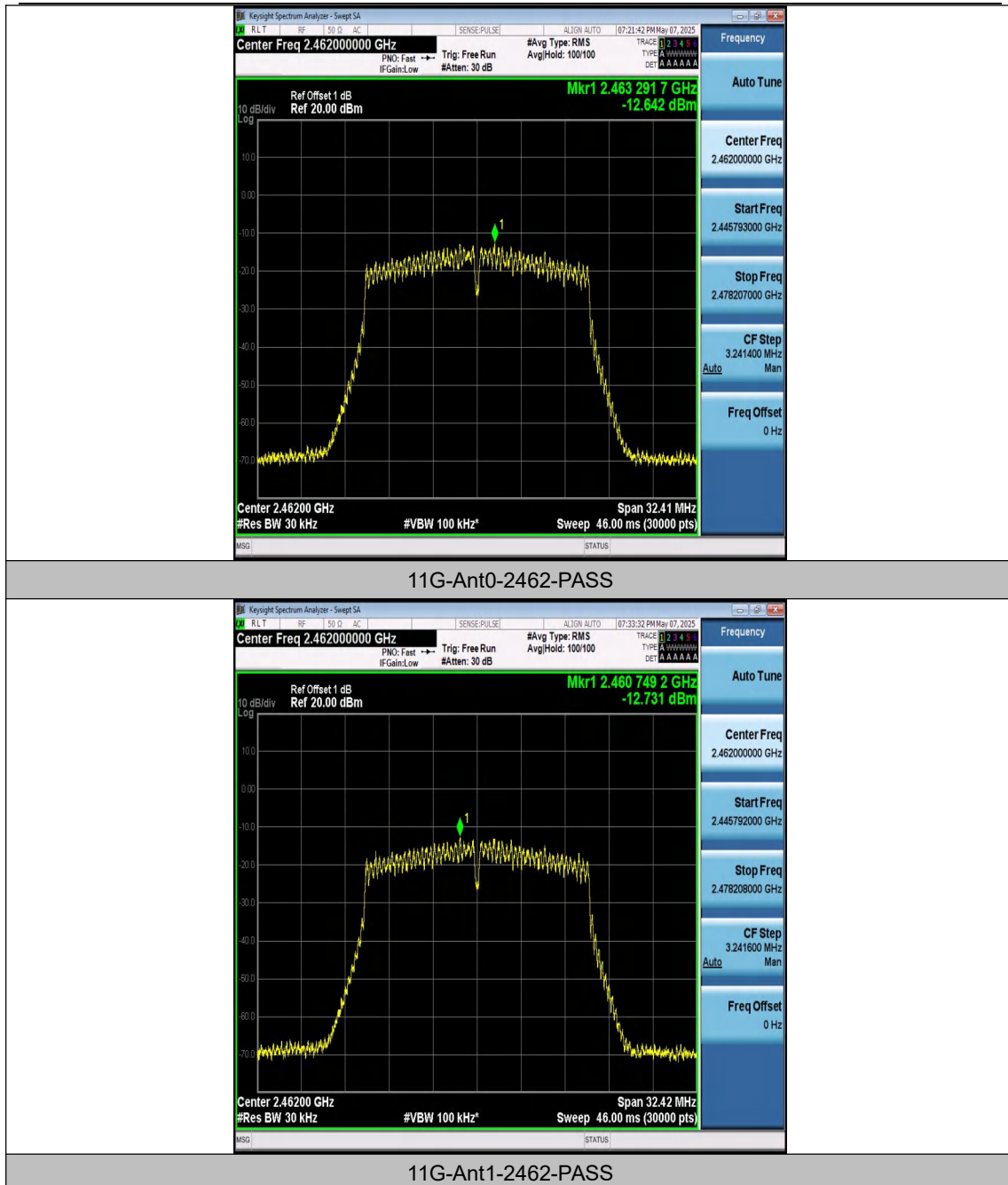
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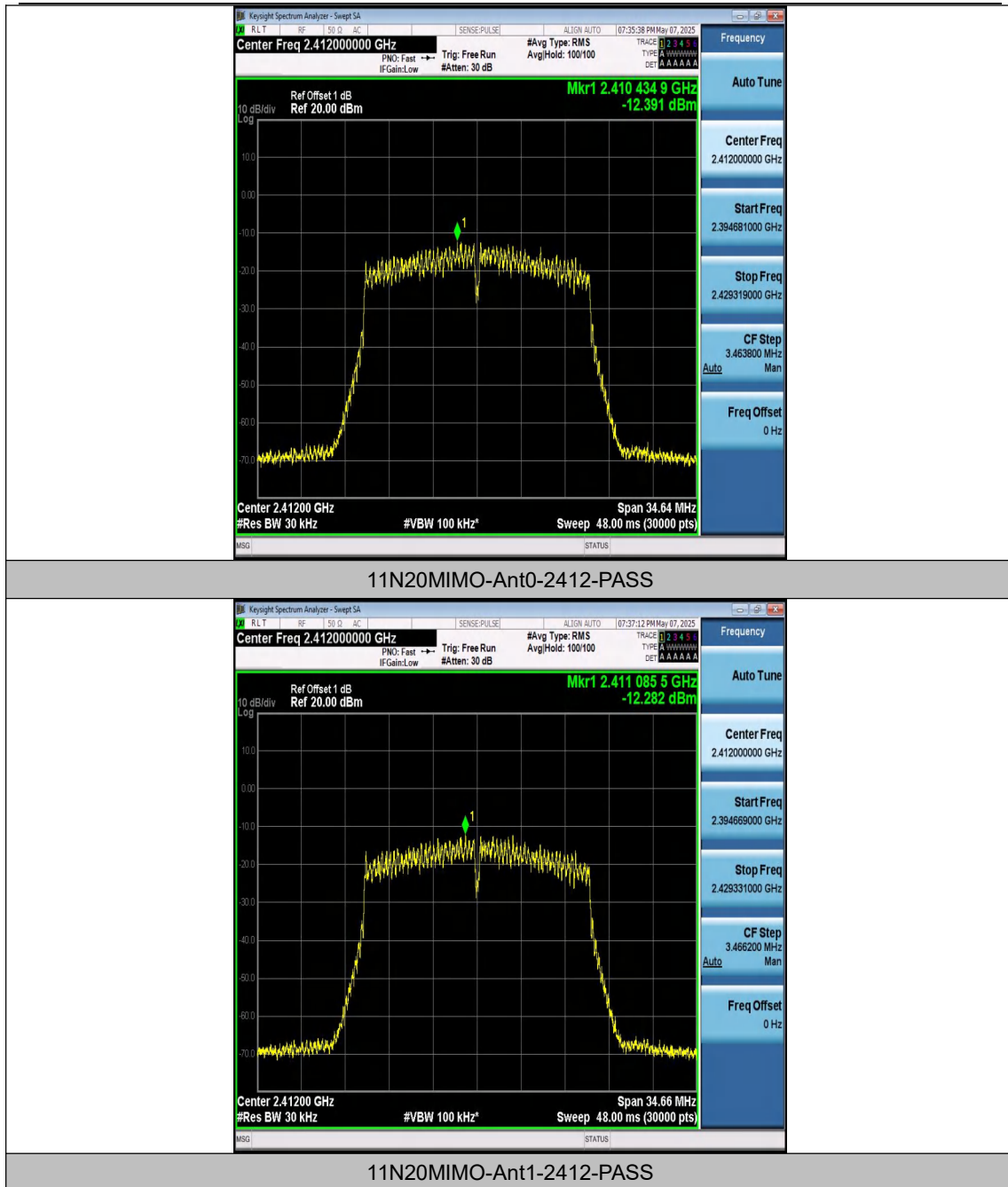
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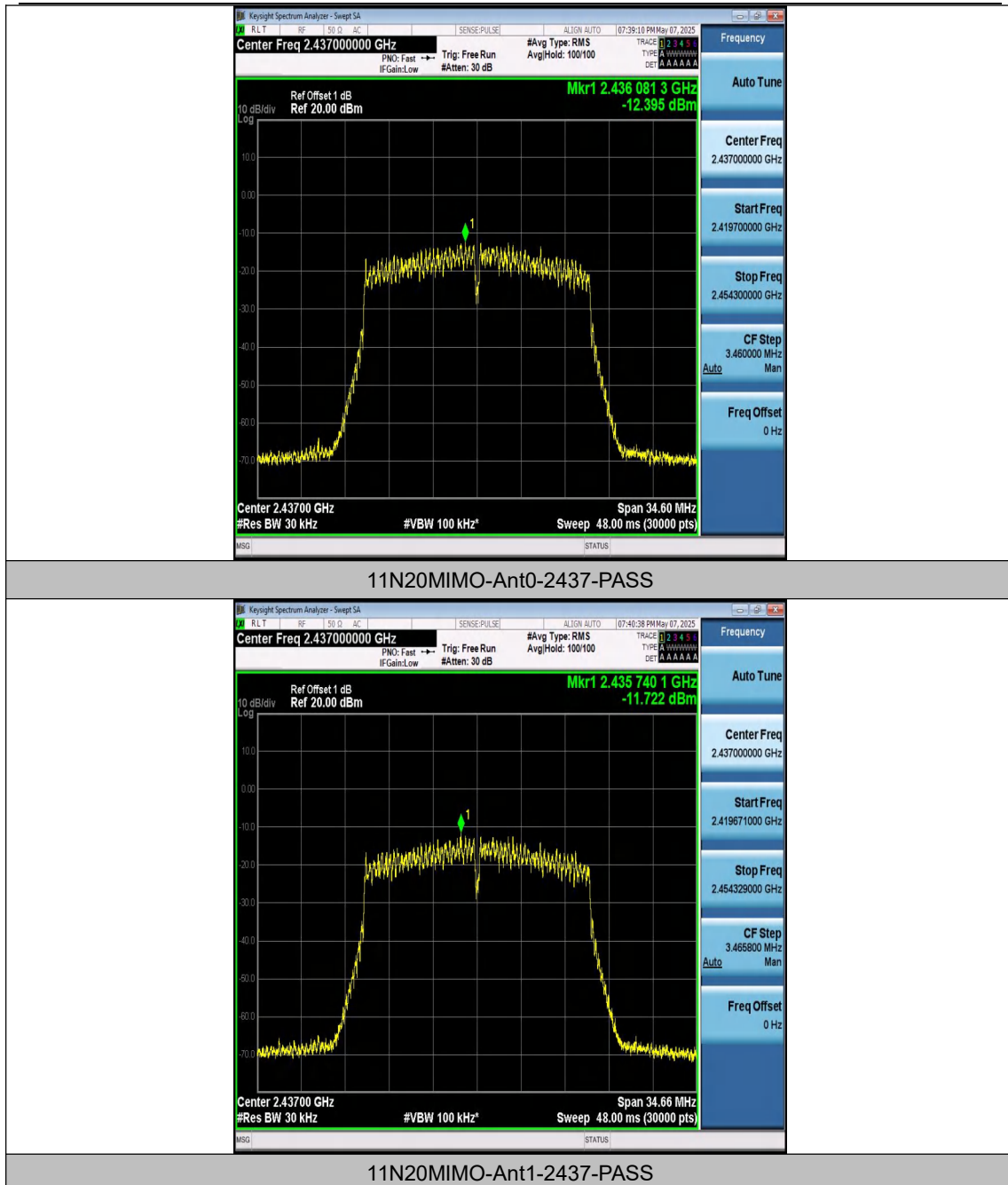
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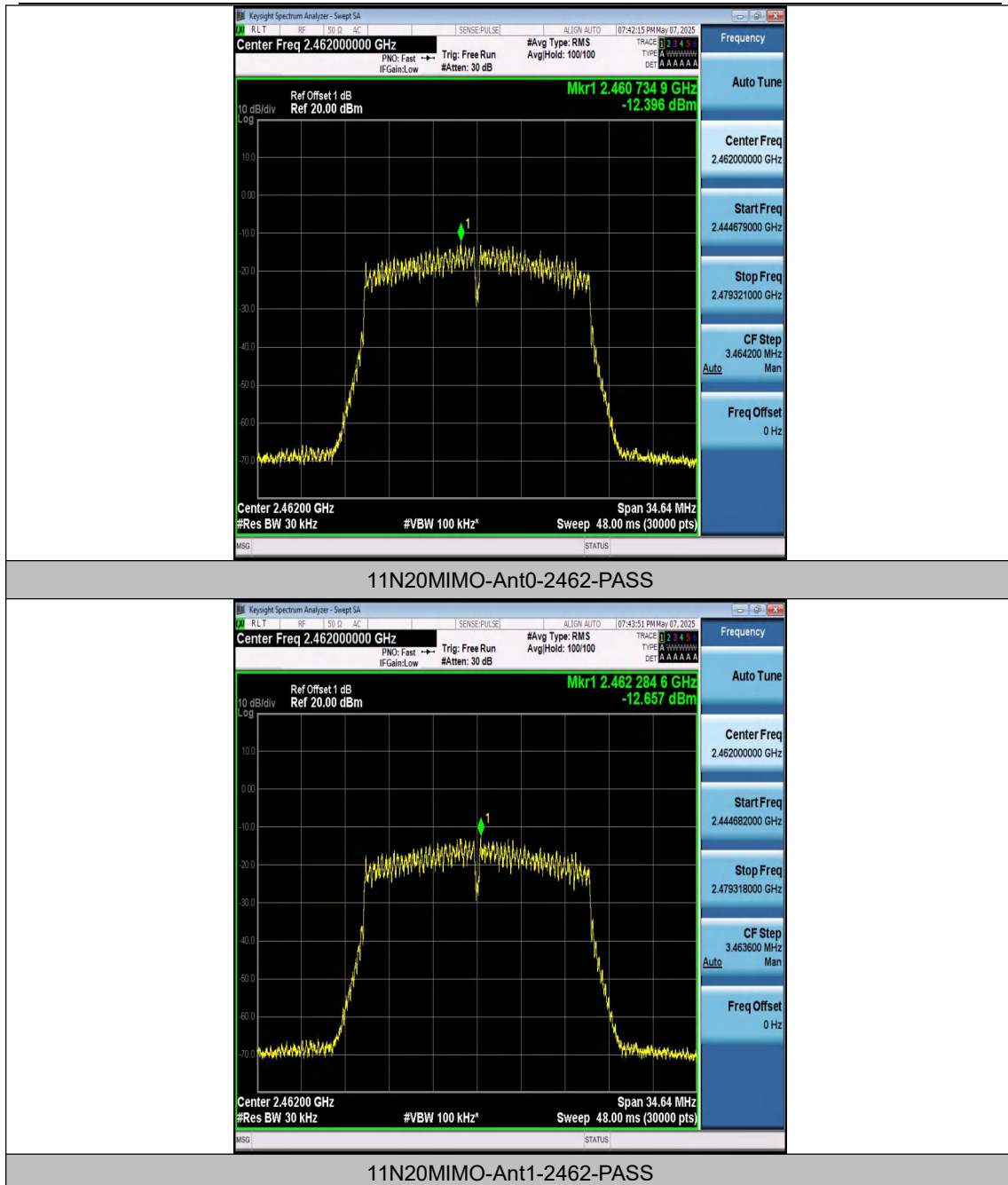
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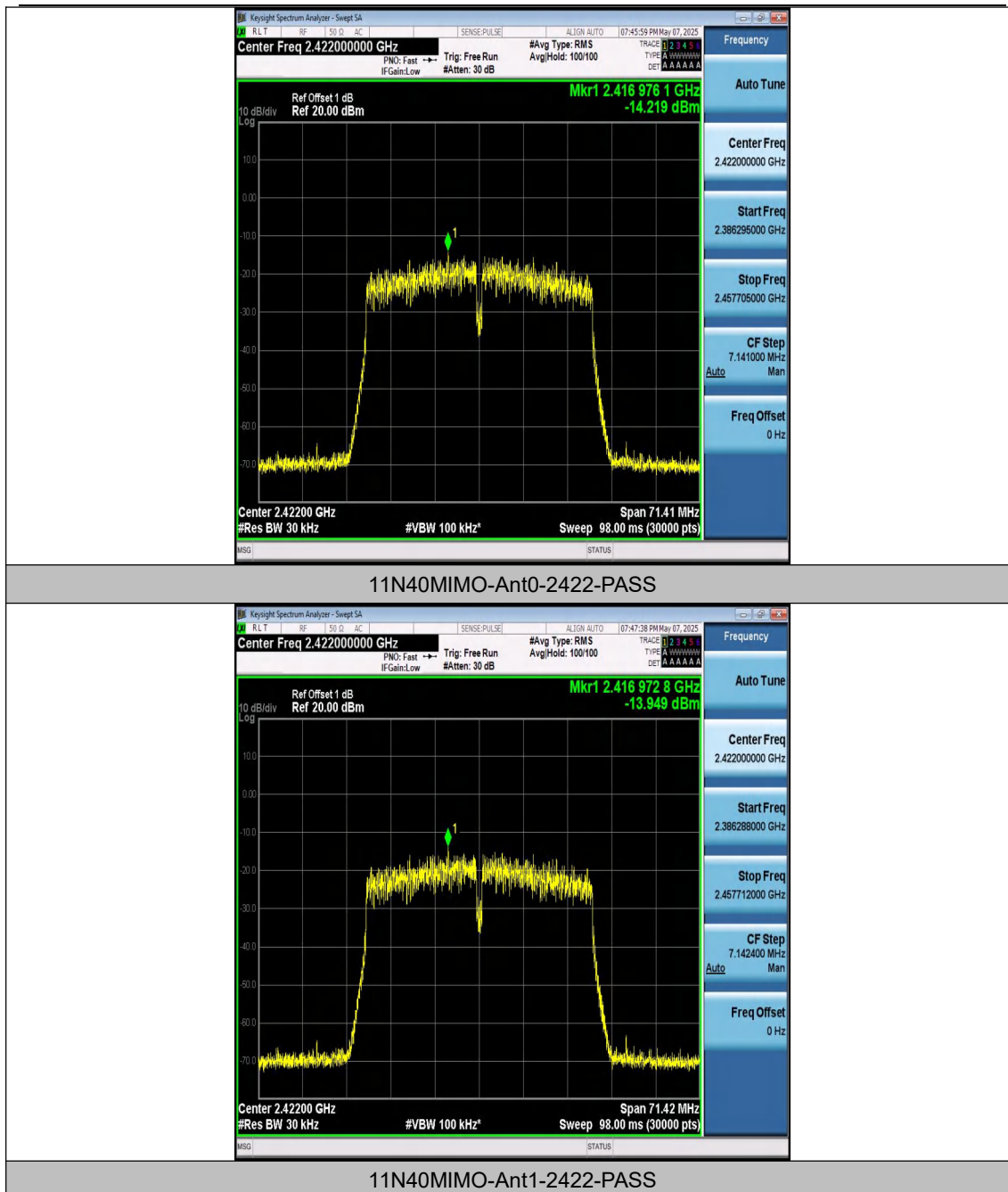


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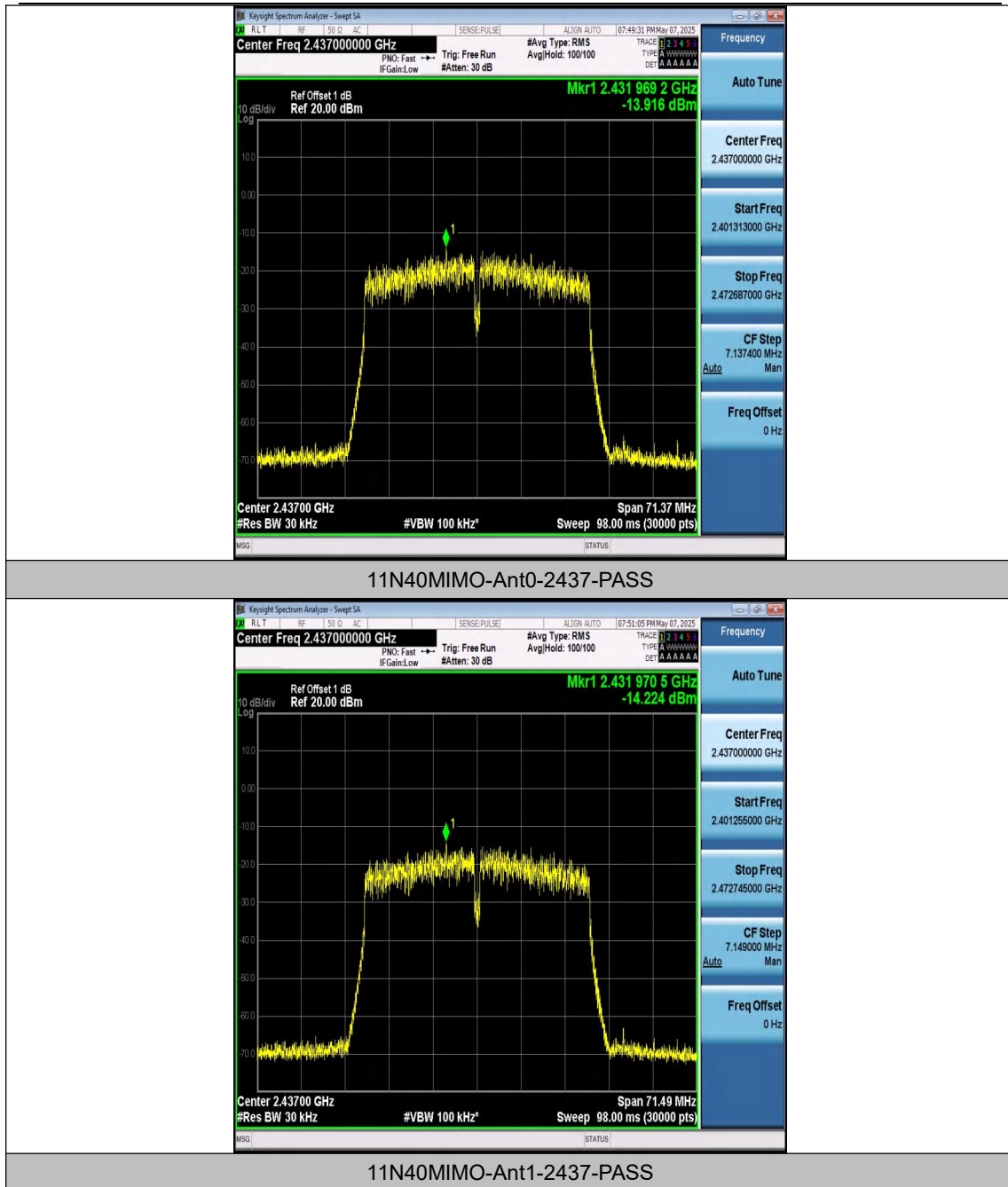


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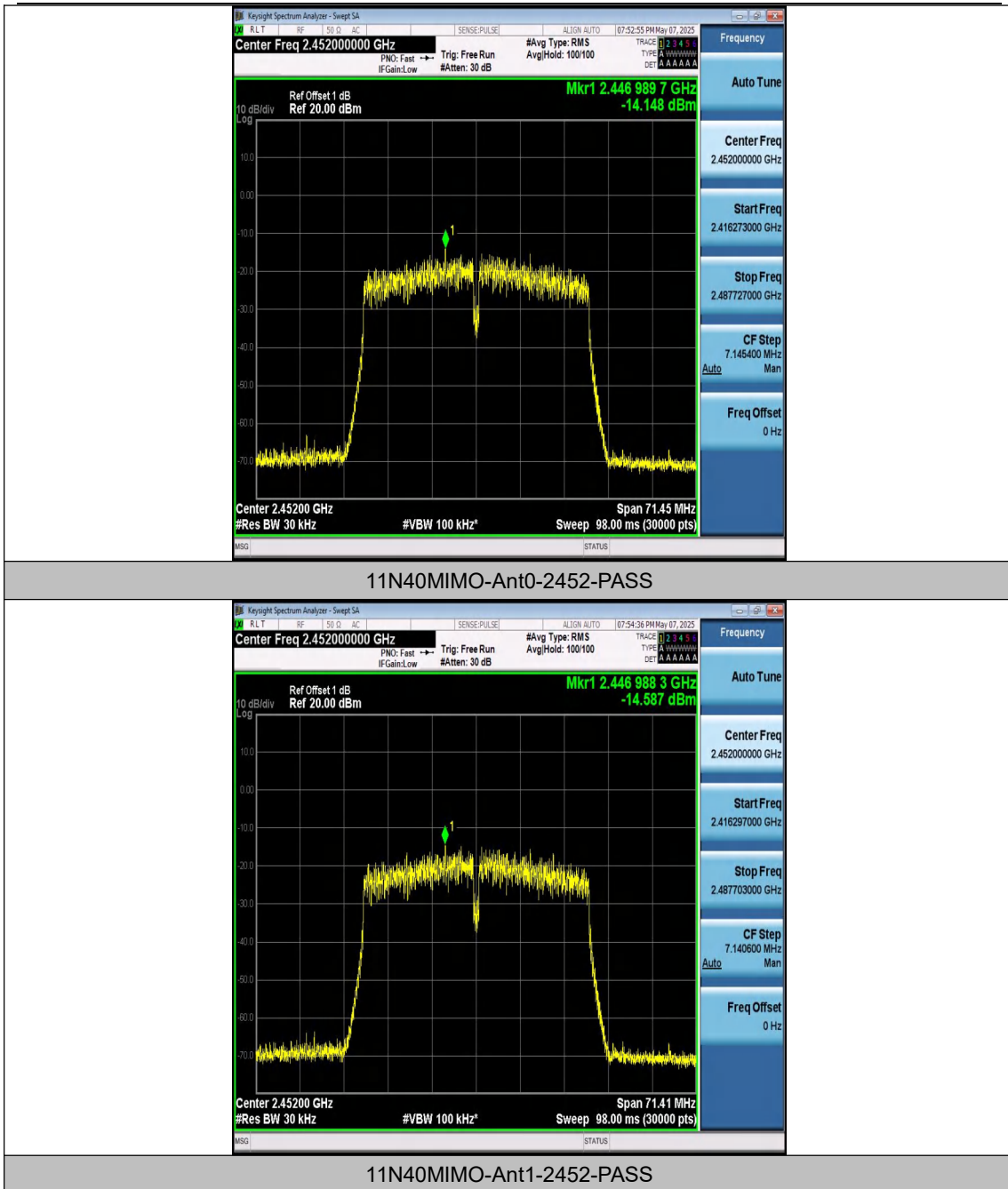
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Appendix E: Conducted Band edge

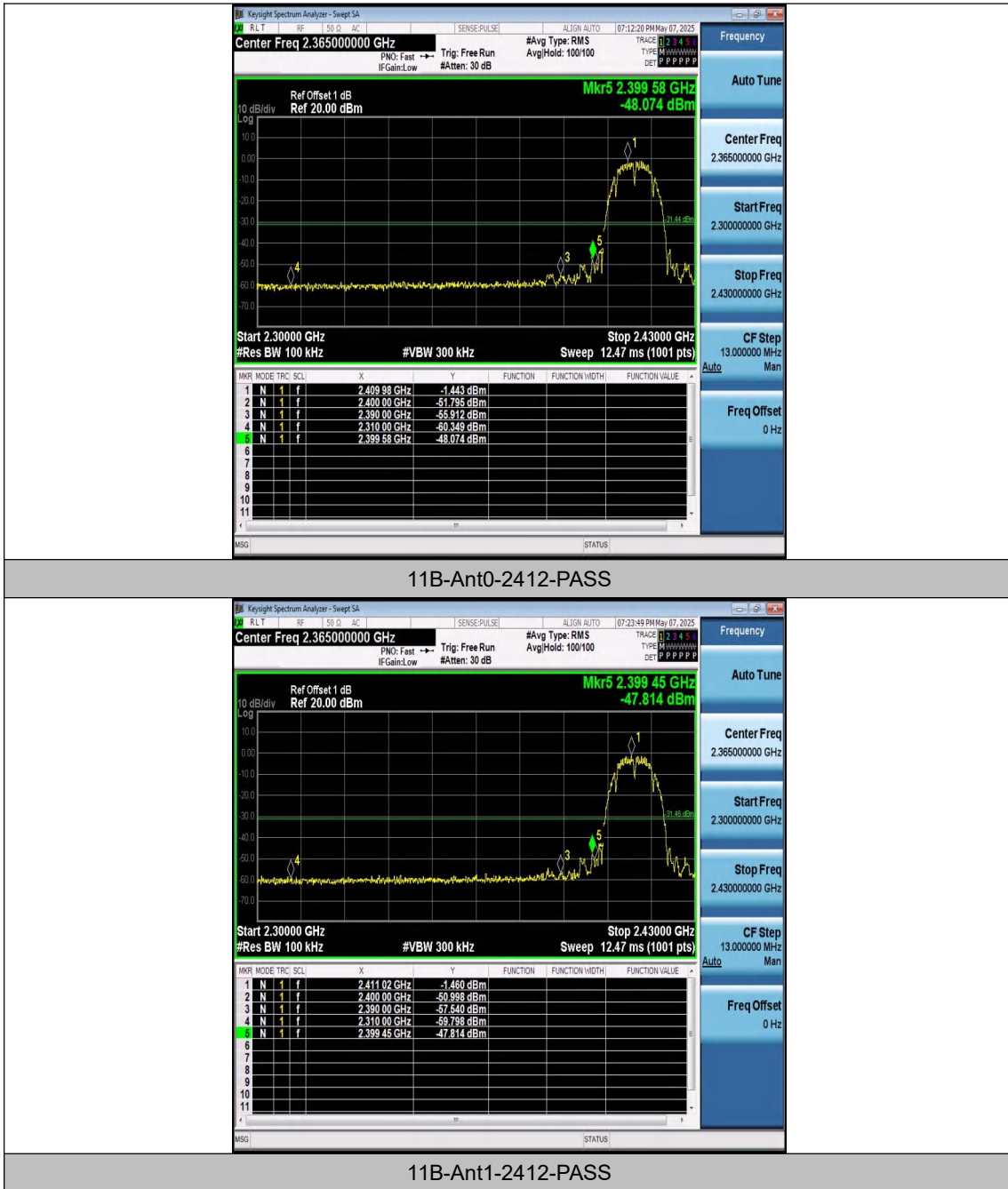
Test Result

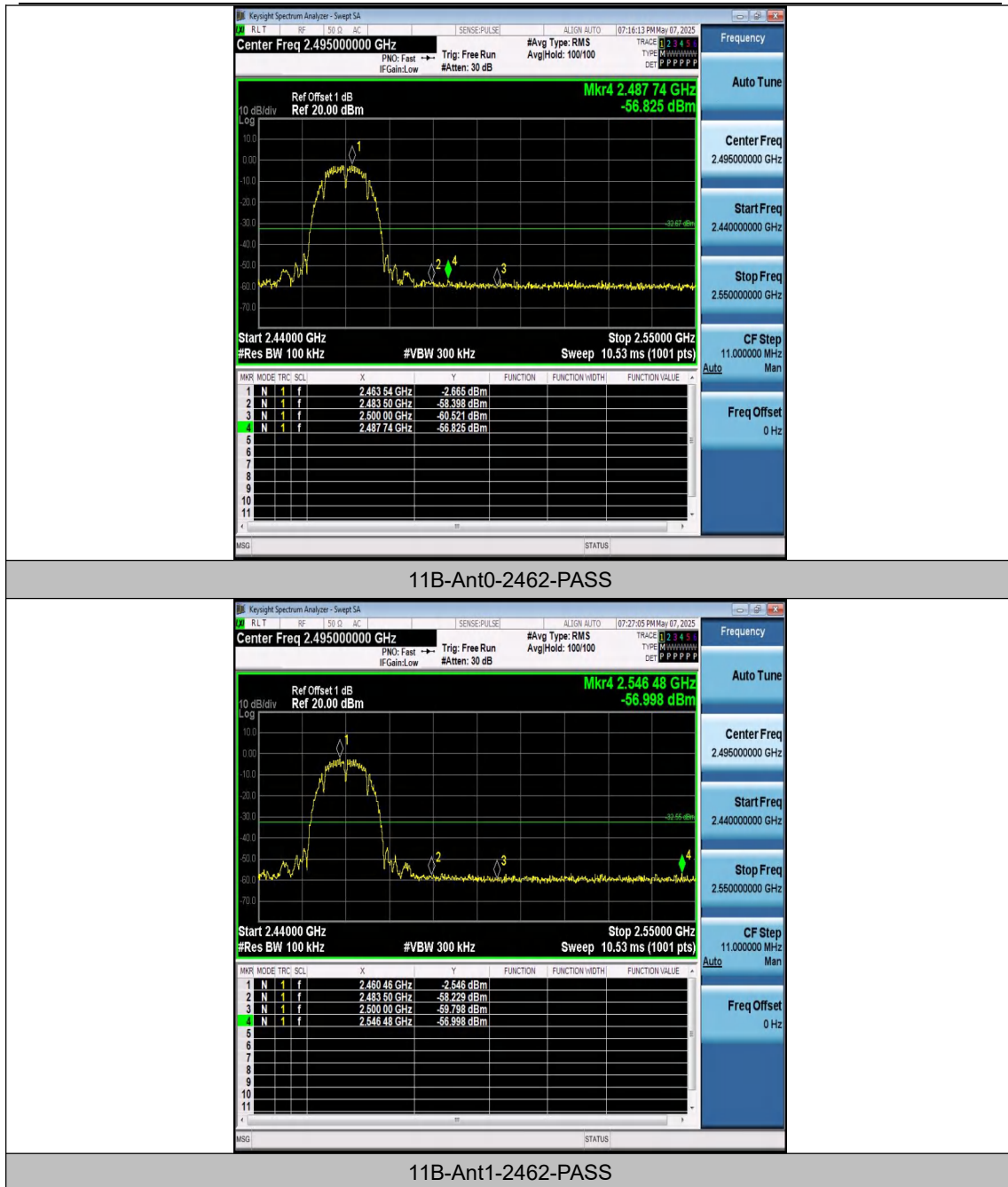
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	-1.44	-48.07	≤-31.44	PASS
11B	Ant1	Low	2412	-1.46	-47.81	≤-31.46	PASS
11B	Ant0	High	2462	-2.67	-56.83	≤-32.67	PASS
11B	Ant1	High	2462	-2.55	-57	≤-32.55	PASS
11G	Ant0	Low	2412	0.27	-52.24	≤-29.73	PASS
11G	Ant1	Low	2412	0.51	-53	≤-29.49	PASS
11G	Ant0	High	2462	-0.16	-52.26	≤-30.16	PASS
11G	Ant1	High	2462	-0.15	-55.43	≤-30.15	PASS
11N20MIMO	Ant0	Low	2412	0.32	-50.93	≤-29.68	PASS
11N20MIMO	Ant1	Low	2412	0.42	-51.39	≤-29.58	PASS
11N20MIMO	Ant0	High	2462	0.01	-55.46	≤-29.99	PASS
11N20MIMO	Ant1	High	2462	-0.04	-55.01	≤-30.04	PASS
11N40MIMO	Ant0	Low	2422	-2.78	-50.19	≤-32.78	PASS
11N40MIMO	Ant1	Low	2422	-2.61	-51.1	≤-32.61	PASS
11N40MIMO	Ant0	High	2452	-3.22	-54.38	≤-33.22	PASS
11N40MIMO	Ant1	High	2452	-3.01	-54.26	≤-33.01	PASS

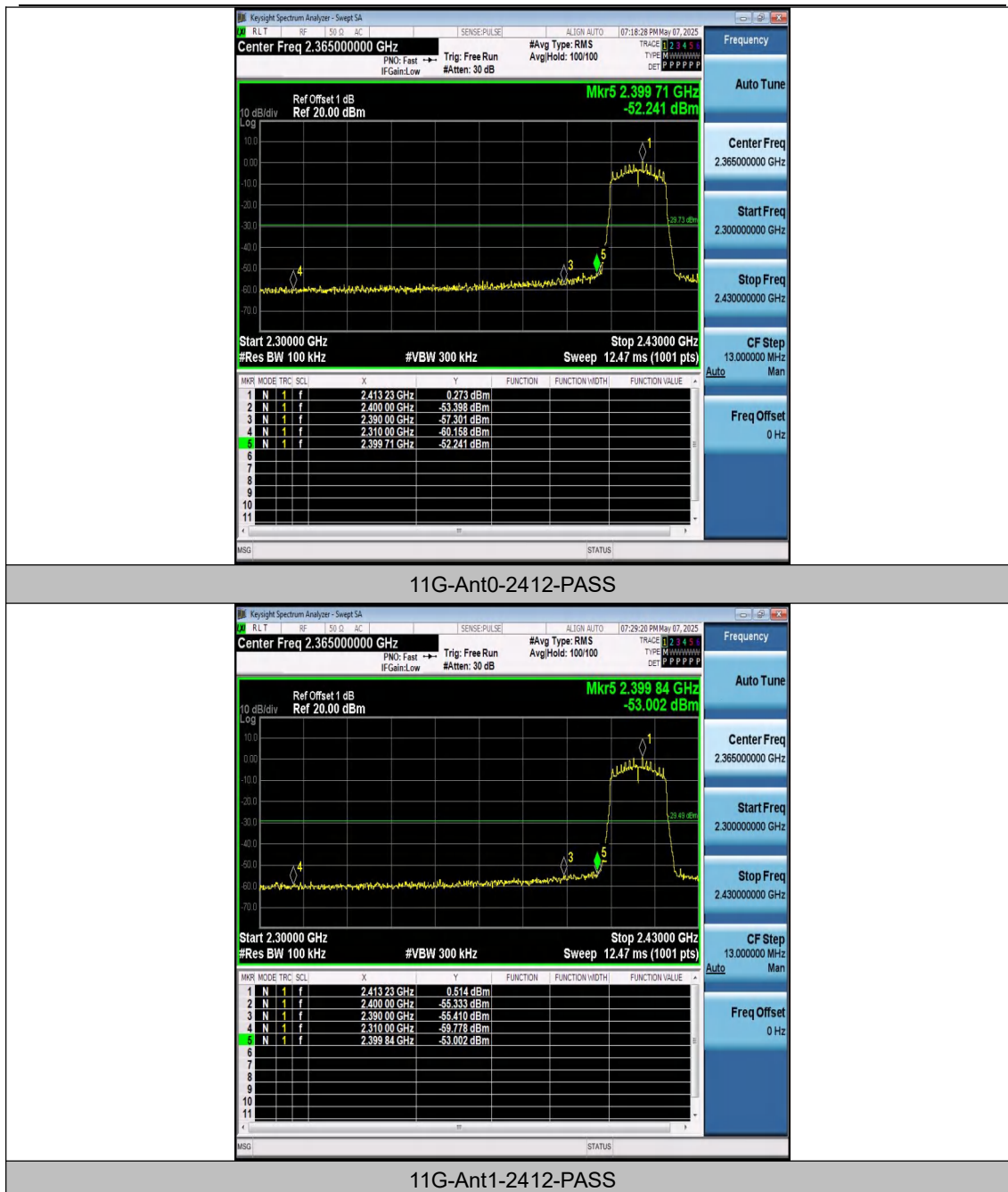
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

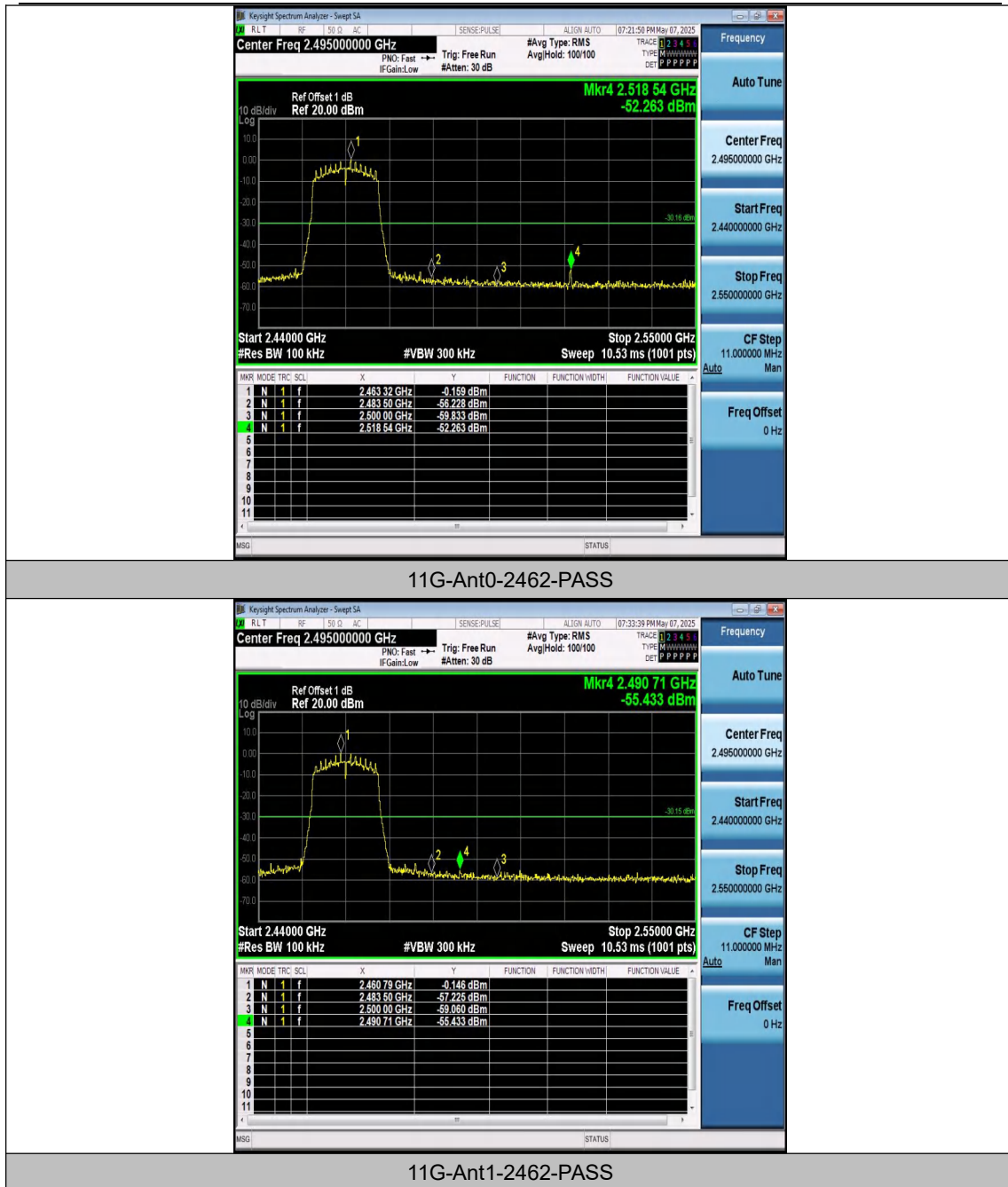


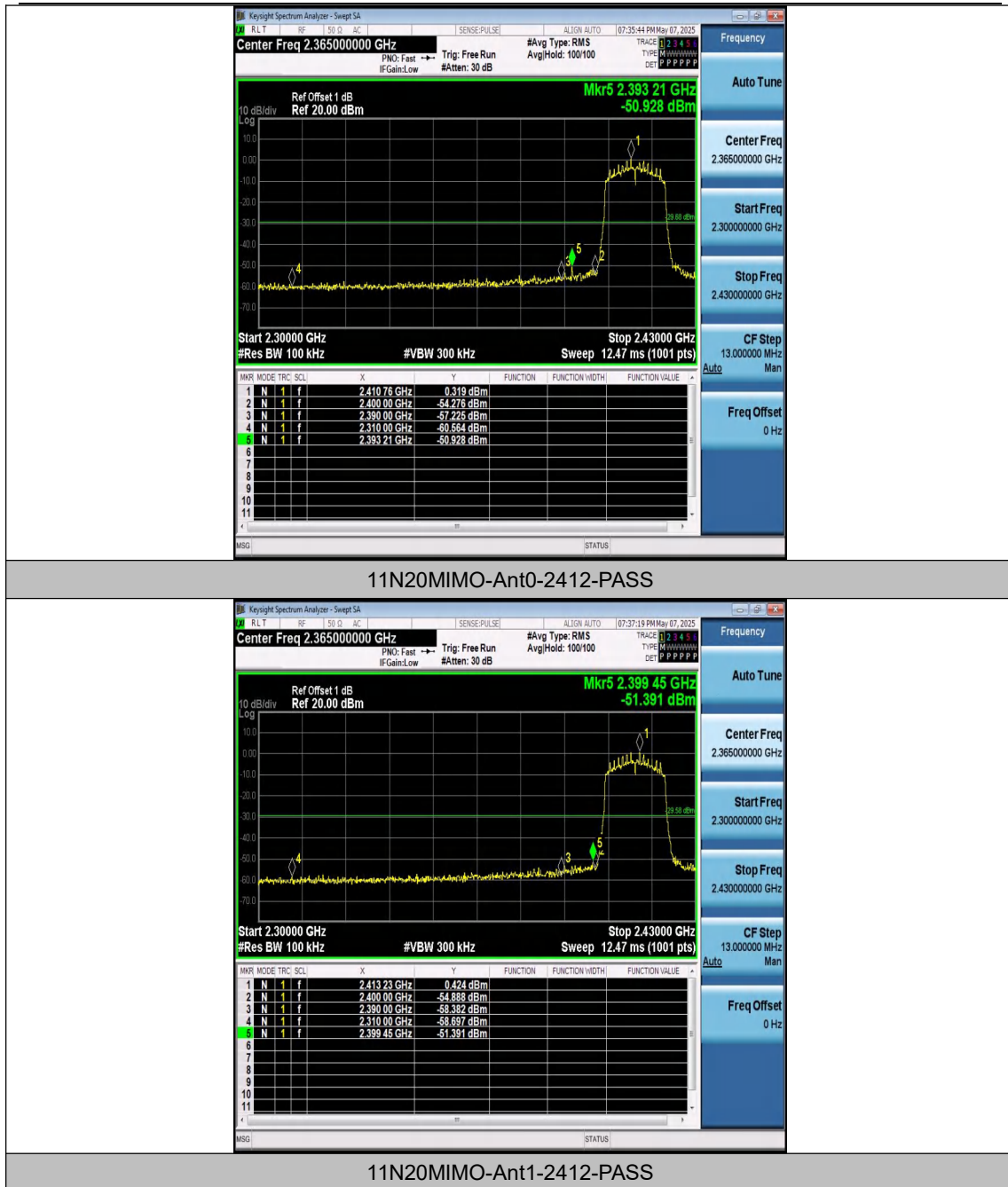
Test Graphs

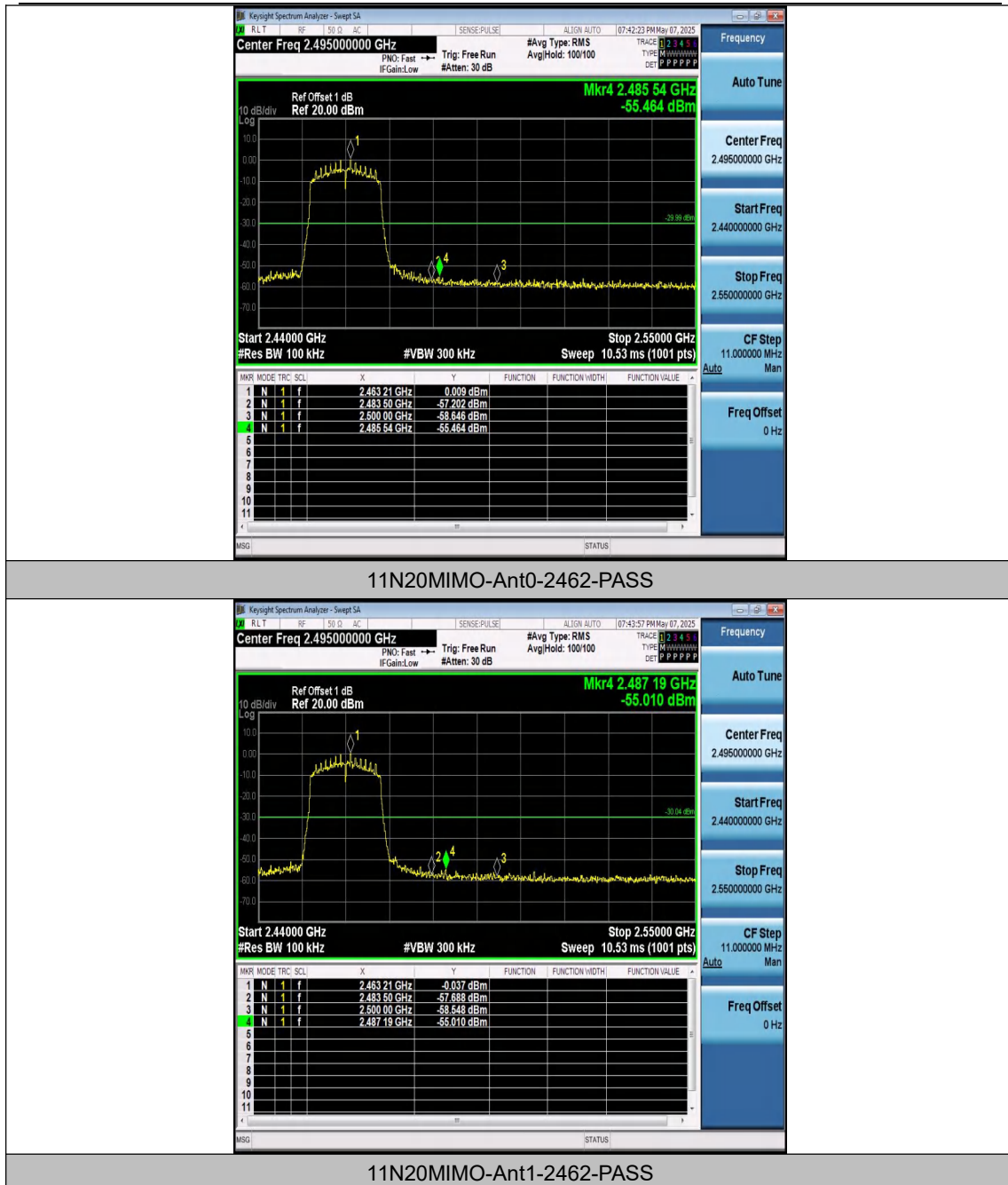


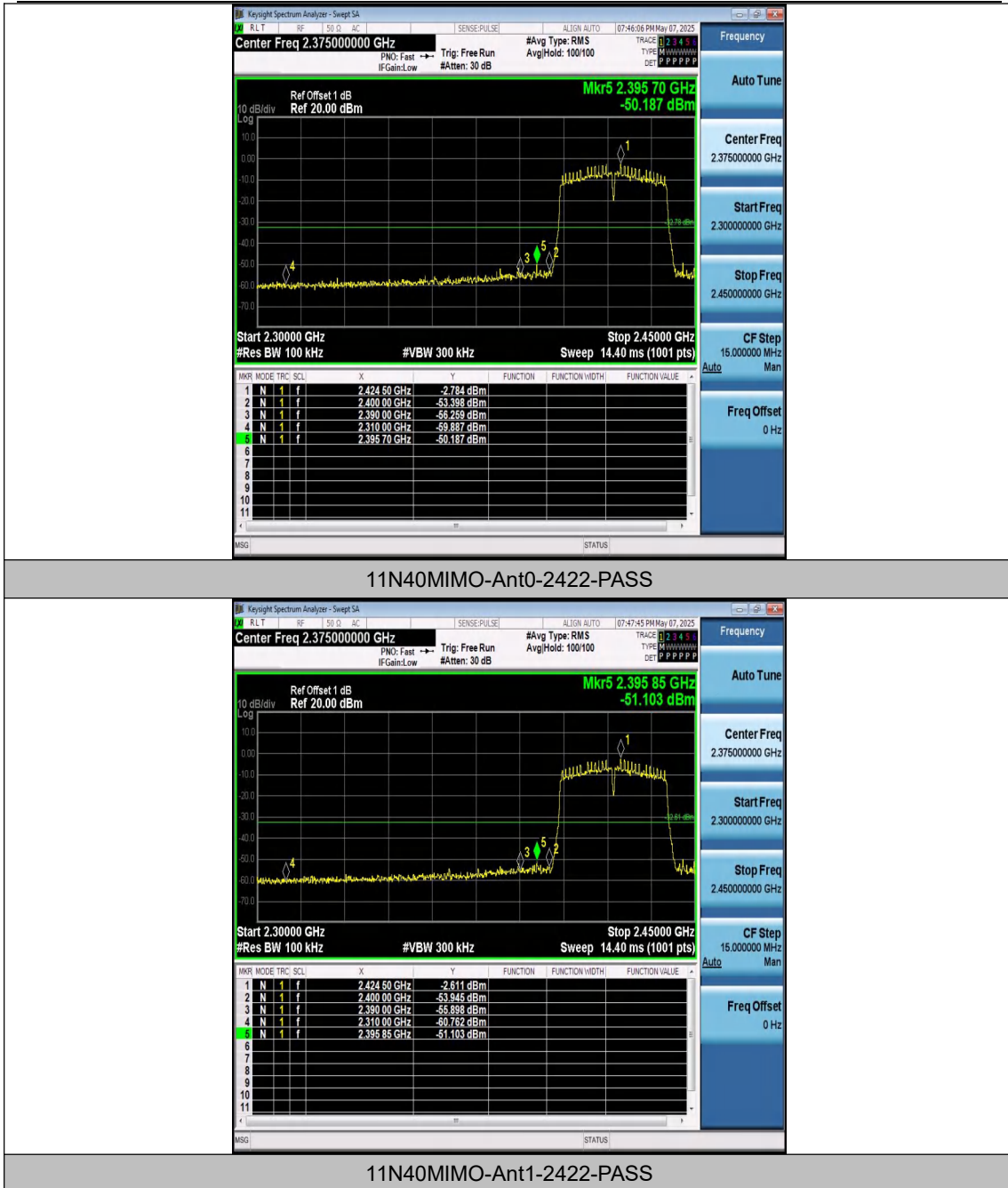


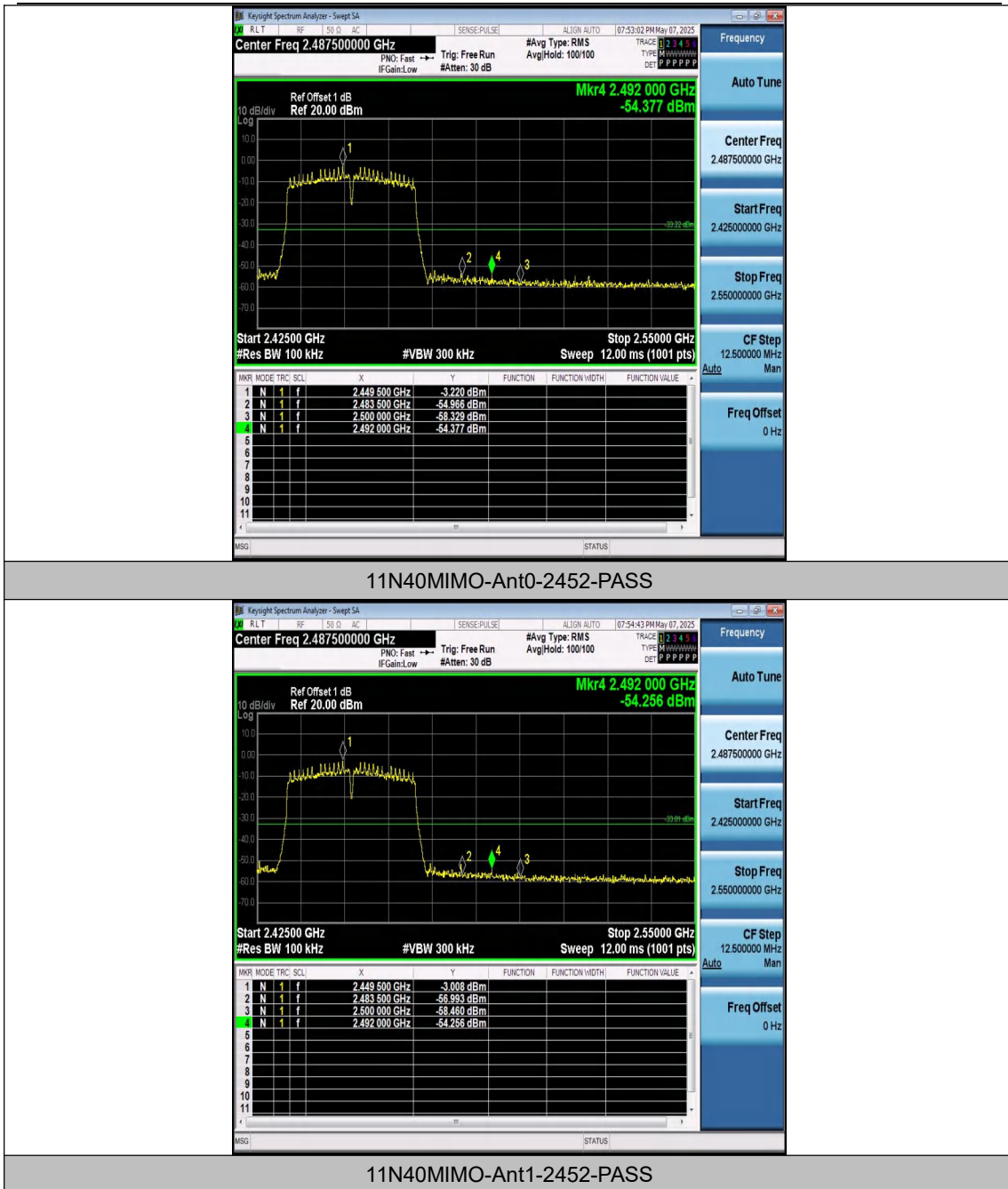












Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	0~Reference	-1.35	-1.35	---	PASS
11B	Ant1	2412	0~Reference	-1.36	-1.36	---	PASS
11B	Ant0	2412	30~1000	-1.35	-68.49	≤-31.35	PASS
11B	Ant1	2412	30~1000	-1.36	-69.21	≤-31.36	PASS
11B	Ant0	2412	1000~26500	-1.35	-53.63	≤-31.35	PASS
11B	Ant1	2412	1000~26500	-1.36	-53.46	≤-31.36	PASS
11B	Ant0	2437	0~Reference	-1.73	-1.73	---	PASS
11B	Ant1	2437	0~Reference	-1.84	-1.84	---	PASS
11B	Ant0	2437	30~1000	-1.73	-68.86	≤-31.73	PASS
11B	Ant1	2437	30~1000	-1.84	-69.03	≤-31.84	PASS
11B	Ant0	2437	1000~26500	-1.73	-53.74	≤-31.73	PASS
11B	Ant1	2437	1000~26500	-1.84	-53.3	≤-31.84	PASS
11B	Ant0	2462	0~Reference	-2.40	-2.40	---	PASS
11B	Ant1	2462	0~Reference	-2.59	-2.59	---	PASS
11B	Ant0	2462	30~1000	-2.40	-68.99	≤-32.4	PASS
11B	Ant1	2462	30~1000	-2.59	-68.5	≤-32.59	PASS
11B	Ant0	2462	1000~26500	-2.40	-53.92	≤-32.4	PASS
11B	Ant1	2462	1000~26500	-2.59	-53.26	≤-32.59	PASS
11G	Ant0	2412	0~Reference	0.52	0.52	---	PASS
11G	Ant1	2412	0~Reference	0.36	0.36	---	PASS
11G	Ant0	2412	30~1000	0.52	-68.95	≤-29.48	PASS
11G	Ant1	2412	30~1000	0.36	-69.12	≤-29.64	PASS
11G	Ant0	2412	1000~26500	0.52	-53.96	≤-29.48	PASS
11G	Ant1	2412	1000~26500	0.36	-53.15	≤-29.64	PASS
11G	Ant0	2437	0~Reference	0.41	0.41	---	PASS
11G	Ant1	2437	0~Reference	0.16	0.16	---	PASS
11G	Ant0	2437	30~1000	0.41	-69.12	≤-29.59	PASS
11G	Ant1	2437	30~1000	0.16	-68.52	≤-29.84	PASS
11G	Ant0	2437	1000~26500	0.41	-52.95	≤-29.59	PASS
11G	Ant1	2437	1000~26500	0.16	-53.39	≤-29.84	PASS
11G	Ant0	2462	0~Reference	-0.11	-0.11	---	PASS
11G	Ant1	2462	0~Reference	0.01	0.01	---	PASS
11G	Ant0	2462	30~1000	-0.11	-68.52	≤-30.11	PASS
11G	Ant1	2462	30~1000	0.01	-68.11	≤-29.99	PASS
11G	Ant0	2462	1000~26500	-0.11	-53.75	≤-30.11	PASS
11G	Ant1	2462	1000~26500	0.01	-52.71	≤-29.99	PASS

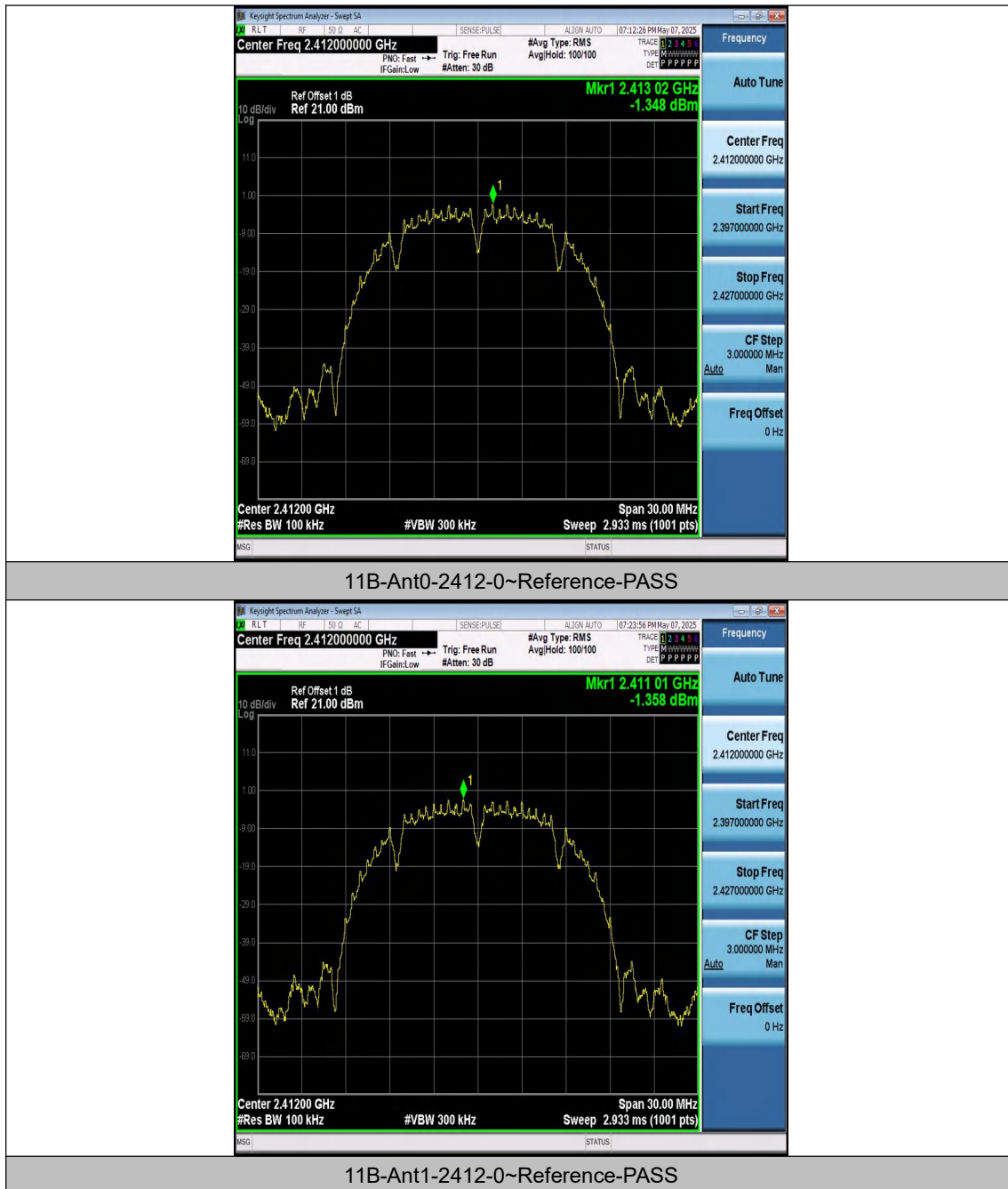
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11N20MIMO	Ant0	2412	0~Reference	0.35	0.35	---	PASS
11N20MIMO	Ant1	2412	0~Reference	0.39	0.39	---	PASS
11N20MIMO	Ant0	2412	30~1000	0.35	-56.89	≤-29.65	PASS
11N20MIMO	Ant1	2412	30~1000	0.39	-69.36	≤-29.61	PASS
11N20MIMO	Ant0	2412	1000~26500	0.35	-53.83	≤-29.65	PASS
11N20MIMO	Ant1	2412	1000~26500	0.39	-53.45	≤-29.61	PASS
11N20MIMO	Ant0	2437	0~Reference	0.49	0.49	---	PASS
11N20MIMO	Ant1	2437	0~Reference	0.29	0.29	---	PASS
11N20MIMO	Ant0	2437	30~1000	0.49	-68.53	≤-29.51	PASS
11N20MIMO	Ant1	2437	30~1000	0.29	-69.44	≤-29.71	PASS
11N20MIMO	Ant0	2437	1000~26500	0.49	-53.22	≤-29.51	PASS
11N20MIMO	Ant1	2437	1000~26500	0.29	-53.79	≤-29.71	PASS
11N20MIMO	Ant0	2462	0~Reference	-0.07	-0.07	---	PASS
11N20MIMO	Ant1	2462	0~Reference	0.04	0.04	---	PASS
11N20MIMO	Ant0	2462	30~1000	-0.07	-69.33	≤-30.07	PASS
11N20MIMO	Ant1	2462	30~1000	0.04	-68.09	≤-29.96	PASS
11N20MIMO	Ant0	2462	1000~26500	-0.07	-49.11	≤-30.07	PASS
11N20MIMO	Ant1	2462	1000~26500	0.04	-53.32	≤-29.96	PASS
11N40MIMO	Ant0	2422	0~Reference	-2.86	-2.86	---	PASS
11N40MIMO	Ant1	2422	0~Reference	-2.81	-2.81	---	PASS
11N40MIMO	Ant0	2422	30~1000	-2.86	-68.98	≤-32.86	PASS
11N40MIMO	Ant1	2422	30~1000	-2.81	-69.73	≤-32.81	PASS
11N40MIMO	Ant0	2422	1000~26500	-2.86	-53	≤-32.86	PASS
11N40MIMO	Ant1	2422	1000~26500	-2.81	-53.78	≤-32.81	PASS
11N40MIMO	Ant0	2437	0~Reference	-2.97	-2.97	---	PASS
11N40MIMO	Ant1	2437	0~Reference	-2.59	-2.59	---	PASS
11N40MIMO	Ant0	2437	30~1000	-2.97	-68.87	≤-32.97	PASS
11N40MIMO	Ant1	2437	30~1000	-2.59	-68.34	≤-32.59	PASS
11N40MIMO	Ant0	2437	1000~26500	-2.97	-53.77	≤-32.97	PASS
11N40MIMO	Ant1	2437	1000~26500	-2.59	-53.72	≤-32.59	PASS
11N40MIMO	Ant0	2452	0~Reference	-3.27	-3.27	---	PASS
11N40MIMO	Ant1	2452	0~Reference	-3.15	-3.15	---	PASS
11N40MIMO	Ant0	2452	30~1000	-3.27	-67.92	≤-33.27	PASS
11N40MIMO	Ant1	2452	30~1000	-3.15	-69.06	≤-33.15	PASS
11N40MIMO	Ant0	2452	1000~26500	-3.27	-53.56	≤-33.27	PASS
11N40MIMO	Ant1	2452	1000~26500	-3.15	-53.52	≤-33.15	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

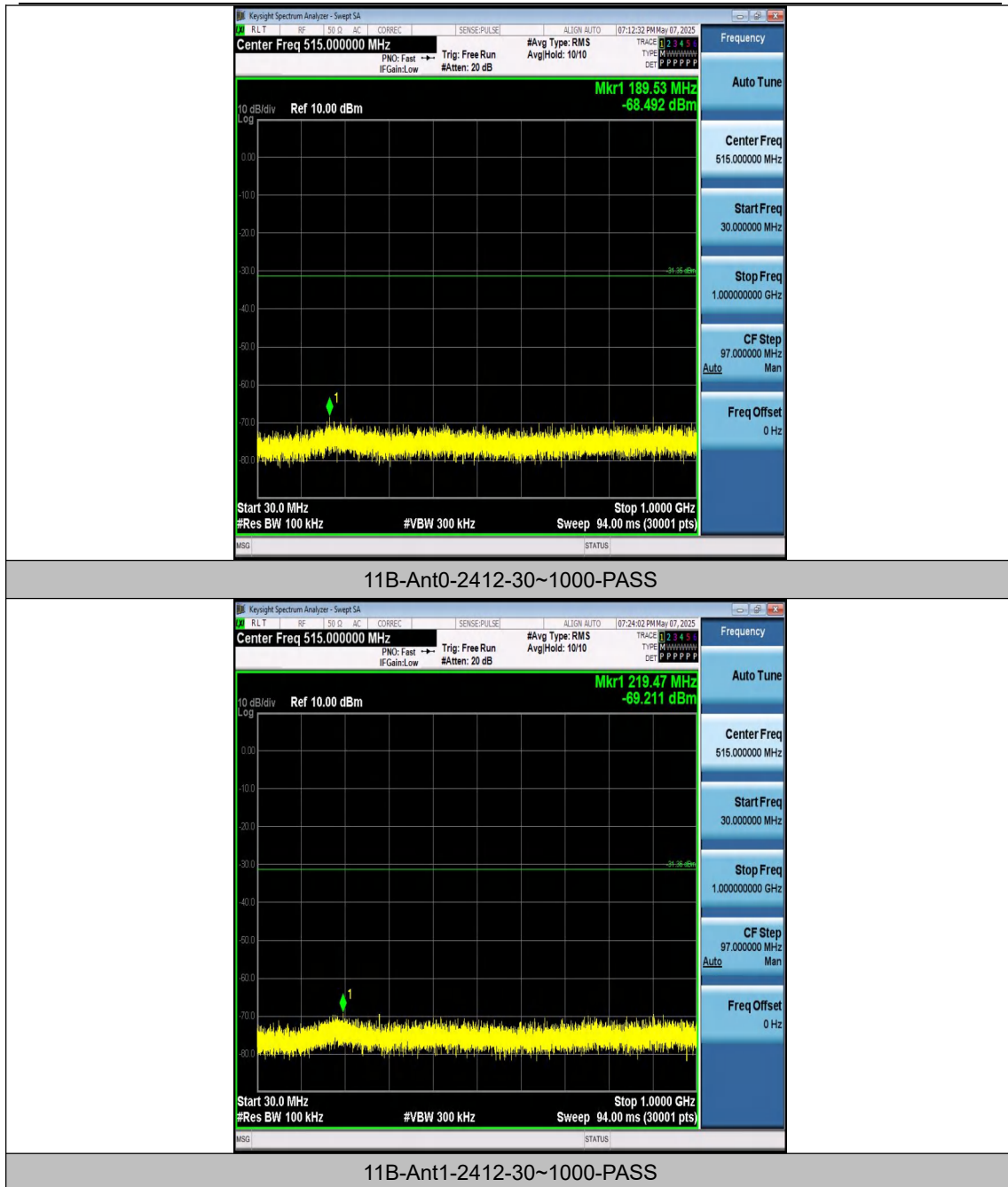
Test Graphs



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