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Appendix B.33

NR Band n26(814-824)



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Transmitter Conducted Power Output

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Limit	Verdict
N26-814-824	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.86	50	PASS
N26-814-824	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.76	50	PASS
N26-814-824	15	5	DFT-PI2BPSK	L	Outer_Full	23.31	50	PASS
N26-814-824	15	5	DFT-QPSK	L	Inner_1RB_Left	23.87	50	PASS
N26-814-824	15	5	DFT-QPSK	L	Inner_1RB_Right	23.77	50	PASS
N26-814-824	15	5	DFT-QPSK	L	Outer_Full	22.98	50	PASS
N26-814-824	15	5	DFT-16QAM	L	Inner_1RB_Left	22.82	50	PASS
N26-814-824	15	5	DFT-16QAM	L	Inner_1RB_Right	22.65	50	PASS
N26-814-824	15	5	DFT-16QAM	L	Outer_Full	21.96	50	PASS
N26-814-824	15	5	DFT-64QAM	L	Inner_1RB_Left	21.42	50	PASS
N26-814-824	15	5	DFT-64QAM	L	Inner_1RB_Right	21.24	50	PASS
N26-814-824	15	5	DFT-64QAM	L	Outer_Full	21.47	50	PASS
N26-814-824	15	5	DFT-256QAM	L	Inner_1RB_Left	19.67	50	PASS
N26-814-824	15	5	DFT-256QAM	L	Inner_1RB_Right	19.47	50	PASS
N26-814-824	15	5	DFT-256QAM	L	Outer_Full	19.48	50	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.75	50	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.57	50	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Outer_Full	23.18	50	PASS
N26-814-824	15	5	DFT-QPSK	M	Inner_1RB_Left	23.74	50	PASS
N26-814-824	15	5	DFT-QPSK	M	Inner_1RB_Right	23.73	50	PASS
N26-814-824	15	5	DFT-QPSK	M	Outer_Full	22.98	50	PASS
N26-814-824	15	5	DFT-16QAM	M	Inner_1RB_Left	22.67	50	PASS
N26-814-824	15	5	DFT-16QAM	M	Inner_1RB_Right	22.59	50	PASS
N26-814-824	15	5	DFT-16QAM	M	Outer_Full	21.93	50	PASS
N26-814-824	15	5	DFT-64QAM	M	Inner_1RB_Left	21.26	50	PASS
N26-814-824	15	5	DFT-64QAM	M	Inner_1RB_Right	21.31	50	PASS
N26-814-824	15	5	DFT-64QAM	M	Outer_Full	21.45	50	PASS
N26-814-824	15	5	DFT-256QAM	M	Inner_1RB_Left	19.42	50	PASS
N26-814-824	15	5	DFT-256QAM	M	Inner_1RB_Right	19.36	50	PASS
N26-814-824	15	5	DFT-256QAM	M	Outer_Full	19.4	50	PASS
N26-814-824	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.66	50	PASS
N26-814-824	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.6	50	PASS



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N26-814-824	15	5	DFT-PI2BPSK	H	Outer_Full	23.1	50	PASS
N26-814-824	15	5	DFT-QPSK	H	Inner_1RB_Left	23.74	50	PASS
N26-814-824	15	5	DFT-QPSK	H	Inner_1RB_Right	23.73	50	PASS
N26-814-824	15	5	DFT-QPSK	H	Outer_Full	22.89	50	PASS
N26-814-824	15	5	DFT-16QAM	H	Inner_1RB_Left	22.62	50	PASS
N26-814-824	15	5	DFT-16QAM	H	Inner_1RB_Right	22.63	50	PASS
N26-814-824	15	5	DFT-16QAM	H	Outer_Full	21.92	50	PASS
N26-814-824	15	5	DFT-64QAM	H	Inner_1RB_Left	21.3	50	PASS
N26-814-824	15	5	DFT-64QAM	H	Inner_1RB_Right	21.25	50	PASS
N26-814-824	15	5	DFT-64QAM	H	Outer_Full	21.36	50	PASS
N26-814-824	15	5	DFT-256QAM	H	Inner_1RB_Left	19.45	50	PASS
N26-814-824	15	5	DFT-256QAM	H	Inner_1RB_Right	19.28	50	PASS
N26-814-824	15	5	DFT-256QAM	H	Outer_Full	19.36	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.82	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.64	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	L	Outer_Full	23.15	50	PASS
N26-814-824	15	10	DFT-QPSK	L	Inner_1RB_Left	23.82	50	PASS
N26-814-824	15	10	DFT-QPSK	L	Inner_1RB_Right	23.74	50	PASS
N26-814-824	15	10	DFT-QPSK	L	Outer_Full	22.9	50	PASS
N26-814-824	15	10	DFT-16QAM	L	Inner_1RB_Left	22.75	50	PASS
N26-814-824	15	10	DFT-16QAM	L	Inner_1RB_Right	22.64	50	PASS
N26-814-824	15	10	DFT-16QAM	L	Outer_Full	21.85	50	PASS
N26-814-824	15	10	DFT-64QAM	L	Inner_1RB_Left	21.37	50	PASS
N26-814-824	15	10	DFT-64QAM	L	Inner_1RB_Right	21.22	50	PASS
N26-814-824	15	10	DFT-64QAM	L	Outer_Full	21.36	50	PASS
N26-814-824	15	10	DFT-256QAM	L	Inner_1RB_Left	19.63	50	PASS
N26-814-824	15	10	DFT-256QAM	L	Inner_1RB_Right	19.29	50	PASS
N26-814-824	15	10	DFT-256QAM	L	Outer_Full	19.4	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.78	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.6	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	23.11	50	PASS
N26-814-824	15	10	DFT-QPSK	M	Inner_1RB_Left	23.87	50	PASS
N26-814-824	15	10	DFT-QPSK	M	Inner_1RB_Right	23.74	50	PASS
N26-814-824	15	10	DFT-QPSK	M	Outer_Full	22.89	50	PASS
N26-814-824	15	10	DFT-16QAM	M	Inner_1RB_Left	22.85	50	PASS
N26-814-824	15	10	DFT-16QAM	M	Inner_1RB_Right	22.63	50	PASS
N26-814-824	15	10	DFT-16QAM	M	Outer_Full	21.87	50	PASS



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N26-814-824	15	10	DFT-64QAM	M	Inner_1RB_Left	21.34	50	PASS
N26-814-824	15	10	DFT-64QAM	M	Inner_1RB_Right	21.26	50	PASS
N26-814-824	15	10	DFT-64QAM	M	Outer_Full	21.36	50	PASS
N26-814-824	15	10	DFT-256QAM	M	Inner_1RB_Left	19.62	50	PASS
N26-814-824	15	10	DFT-256QAM	M	Inner_1RB_Right	19.34	50	PASS
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	19.44	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.82	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.61	50	PASS
N26-814-824	15	10	DFT-PI2BPSK	H	Outer_Full	23.13	50	PASS
N26-814-824	15	10	DFT-QPSK	H	Inner_1RB_Left	23.92	50	PASS
N26-814-824	15	10	DFT-QPSK	H	Inner_1RB_Right	23.72	50	PASS
N26-814-824	15	10	DFT-QPSK	H	Outer_Full	22.92	50	PASS
N26-814-824	15	10	DFT-16QAM	H	Inner_1RB_Left	22.81	50	PASS
N26-814-824	15	10	DFT-16QAM	H	Inner_1RB_Right	22.64	50	PASS
N26-814-824	15	10	DFT-16QAM	H	Outer_Full	21.89	50	PASS
N26-814-824	15	10	DFT-64QAM	H	Inner_1RB_Left	21.37	50	PASS
N26-814-824	15	10	DFT-64QAM	H	Inner_1RB_Right	21.24	50	PASS
N26-814-824	15	10	DFT-64QAM	H	Outer_Full	21.39	50	PASS
N26-814-824	15	10	DFT-256QAM	H	Inner_1RB_Left	19.62	50	PASS
N26-814-824	15	10	DFT-256QAM	H	Inner_1RB_Right	19.29	50	PASS
N26-814-824	15	10	DFT-256QAM	H	Outer_Full	19.44	50	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.61	≤13	PASS
N26-814-824	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.60	≤13	PASS



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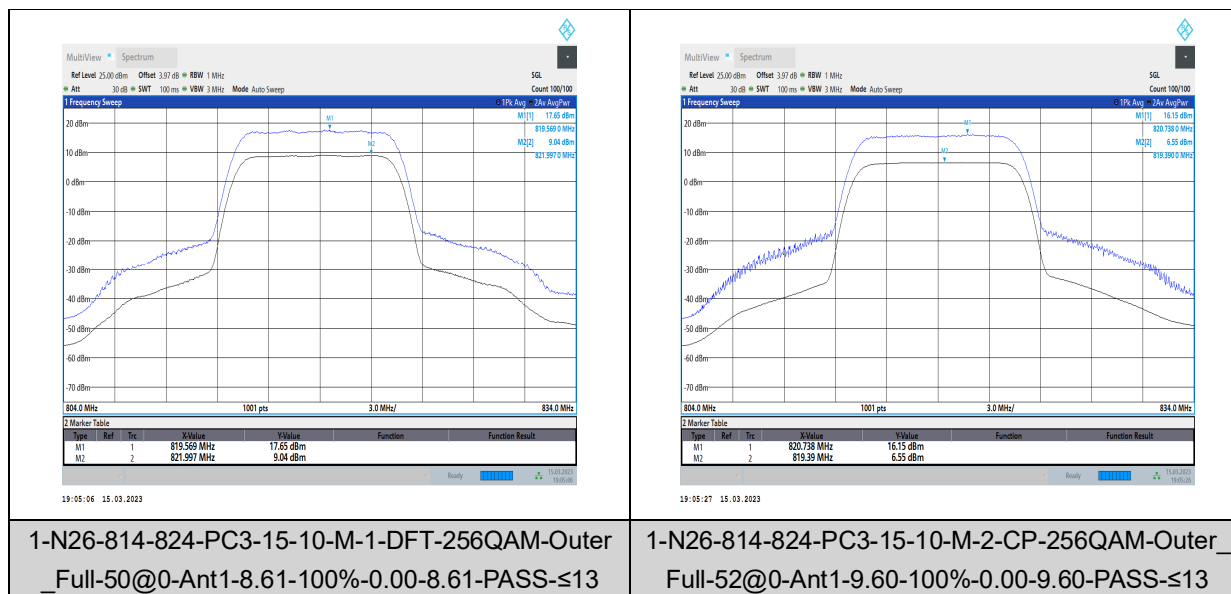
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Test Graphs



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-QPSK	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-16QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-64QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-16QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-64QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-256QAM	M	Outer_Full	see graph	PASS



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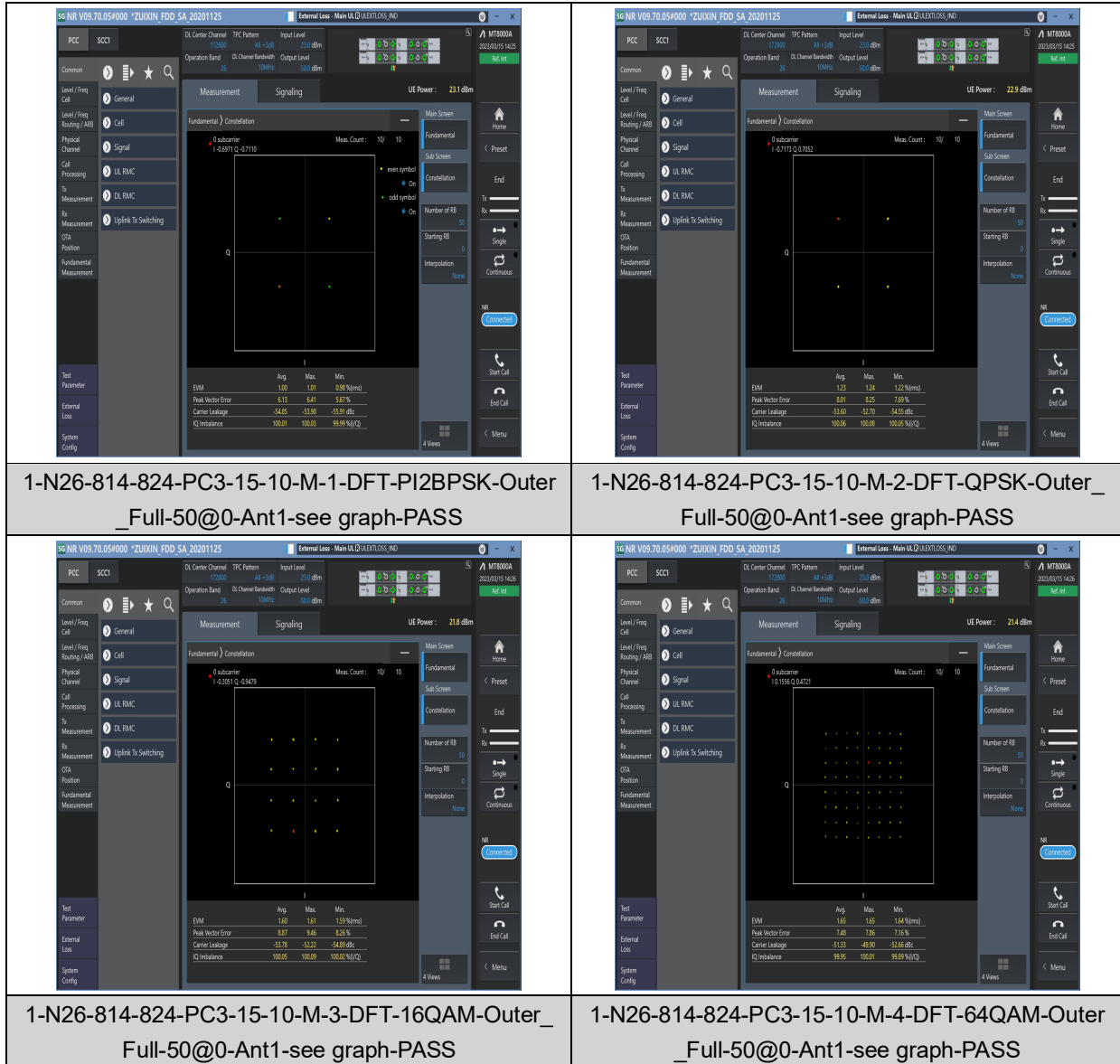
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Test Graphs



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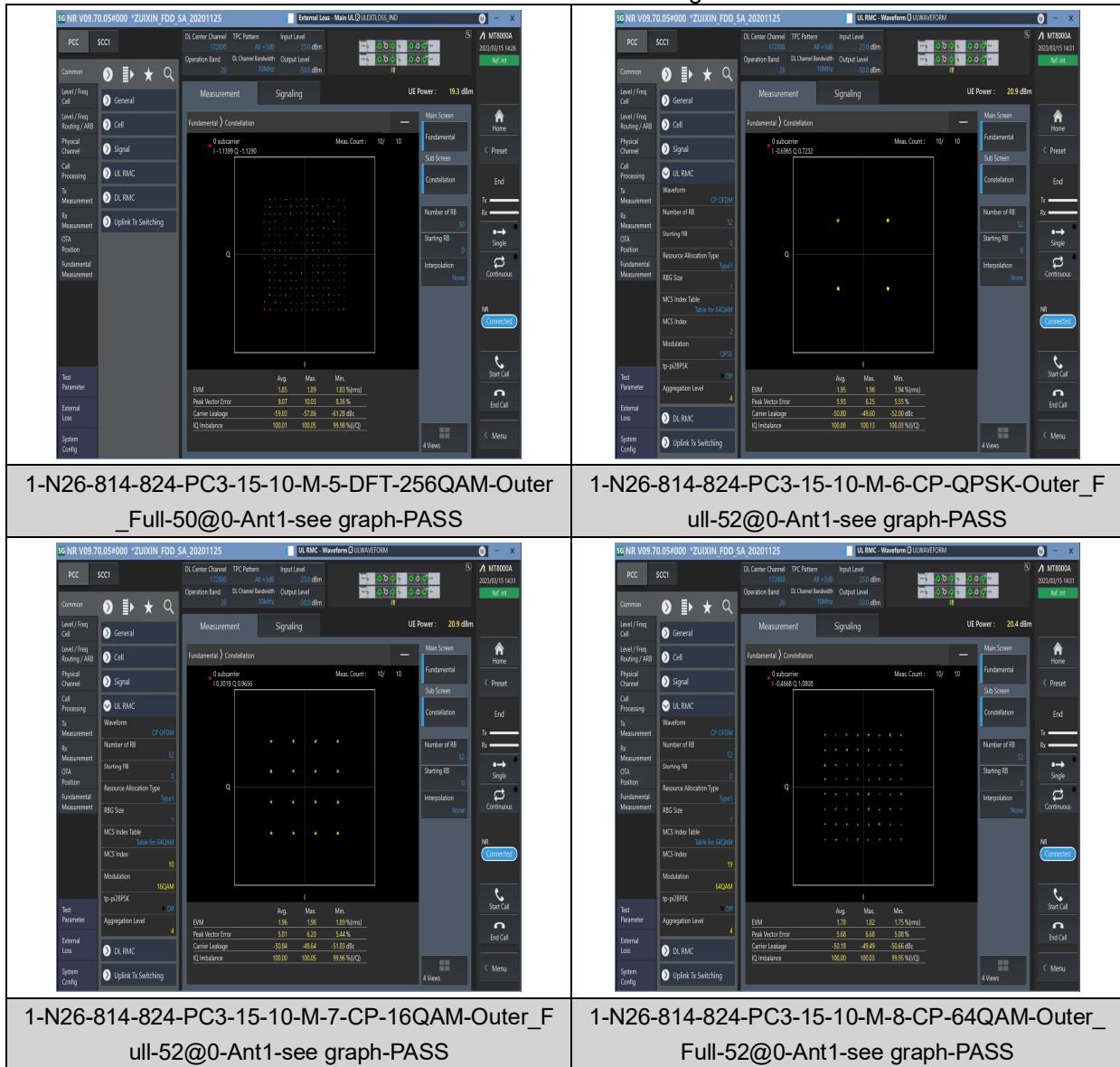
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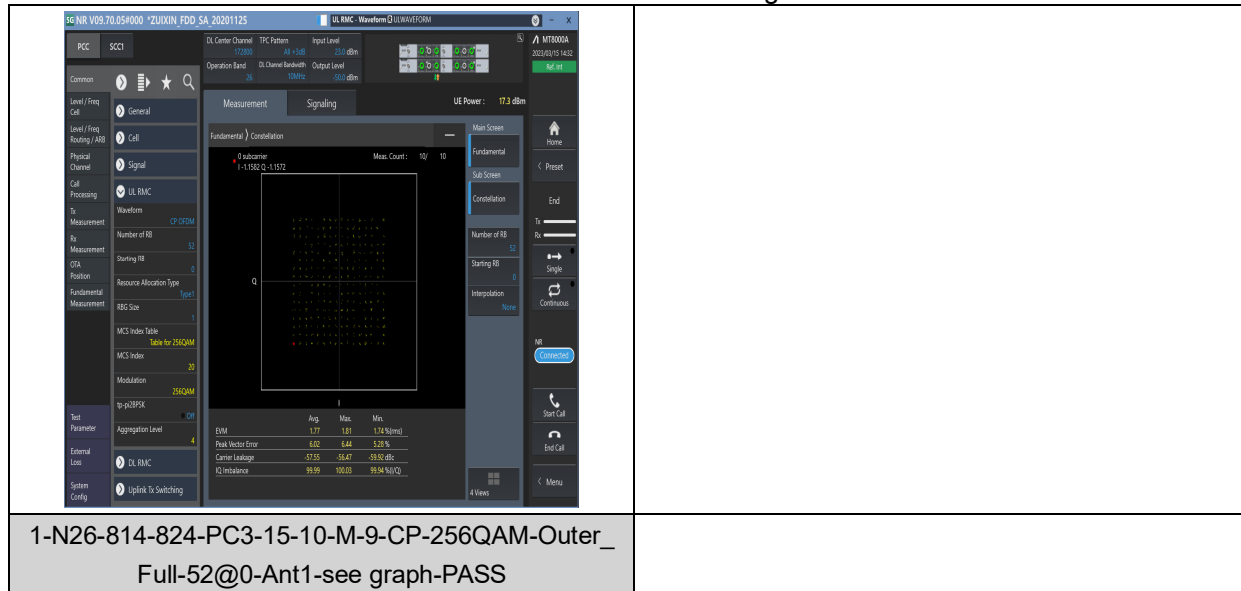
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N26-814-824	15	5	DFT-QPSK	L	Outer_Full	4.485	4.840	PASS
N26-814-824	15	5	DFT-PI2BPSK	L	Outer_Full	4.472	4.830	PASS
N26-814-824	15	5	DFT-16QAM	L	Outer_Full	4.463	4.770	PASS
N26-814-824	15	5	DFT-64QAM	L	Outer_Full	4.485	4.870	PASS
N26-814-824	15	5	DFT-256QAM	L	Outer_Full	4.468	4.750	PASS
N26-814-824	15	5	CP-QPSK	L	Outer_Full	4.477	4.830	PASS
N26-814-824	15	5	CP-16QAM	L	Outer_Full	4.473	4.850	PASS
N26-814-824	15	5	CP-64QAM	L	Outer_Full	4.483	4.830	PASS
N26-814-824	15	5	CP-256QAM	L	Outer_Full	4.468	4.770	PASS
N26-814-824	15	5	DFT-QPSK	M	Outer_Full	4.481	4.820	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Outer_Full	4.474	4.780	PASS
N26-814-824	15	5	DFT-16QAM	M	Outer_Full	4.456	4.830	PASS
N26-814-824	15	5	DFT-64QAM	M	Outer_Full	4.458	4.810	PASS
N26-814-824	15	5	DFT-256QAM	M	Outer_Full	4.475	4.840	PASS
N26-814-824	15	5	CP-QPSK	M	Outer_Full	4.476	4.880	PASS
N26-814-824	15	5	CP-16QAM	M	Outer_Full	4.47	4.790	PASS
N26-814-824	15	5	CP-64QAM	M	Outer_Full	4.48	4.830	PASS
N26-814-824	15	5	CP-256QAM	M	Outer_Full	4.464	4.860	PASS
N26-814-824	15	5	DFT-QPSK	H	Outer_Full	4.468	4.820	PASS
N26-814-824	15	5	DFT-PI2BPSK	H	Outer_Full	4.469	4.800	PASS
N26-814-824	15	5	DFT-16QAM	H	Outer_Full	4.467	4.830	PASS
N26-814-824	15	5	DFT-64QAM	H	Outer_Full	4.478	4.850	PASS
N26-814-824	15	5	DFT-256QAM	H	Outer_Full	4.469	4.790	PASS
N26-814-824	15	5	CP-QPSK	H	Outer_Full	4.465	4.900	PASS
N26-814-824	15	5	CP-16QAM	H	Outer_Full	4.477	4.830	PASS
N26-814-824	15	5	CP-64QAM	H	Outer_Full	4.482	4.810	PASS
N26-814-824	15	5	CP-256QAM	H	Outer_Full	4.466	4.810	PASS
N26-814-824	15	10	DFT-QPSK	M	Outer_Full	8.927	9.340	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	8.896	9.340	PASS
N26-814-824	15	10	DFT-16QAM	M	Outer_Full	8.932	9.380	PASS
N26-814-824	15	10	DFT-64QAM	M	Outer_Full	8.924	9.420	PASS
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	8.908	9.440	PASS



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N26-814-824	15	10	CP-QPSK	M	Outer_Full	9.275	9.700	PASS
N26-814-824	15	10	CP-16QAM	M	Outer_Full	9.272	9.780	PASS
N26-814-824	15	10	CP-64QAM	M	Outer_Full	9.255	9.860	PASS
N26-814-824	15	10	CP-256QAM	M	Outer_Full	9.288	9.780	PASS



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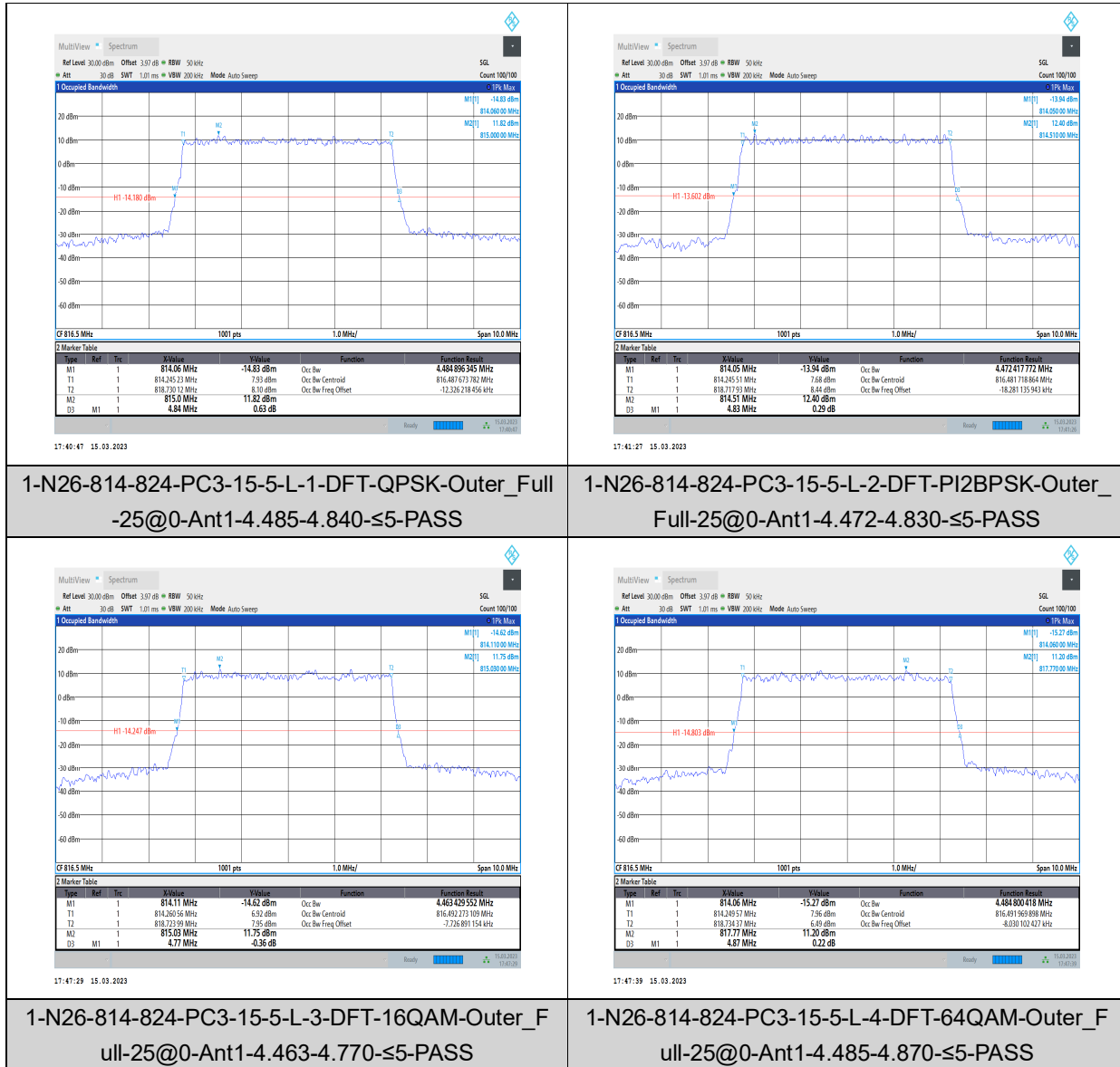
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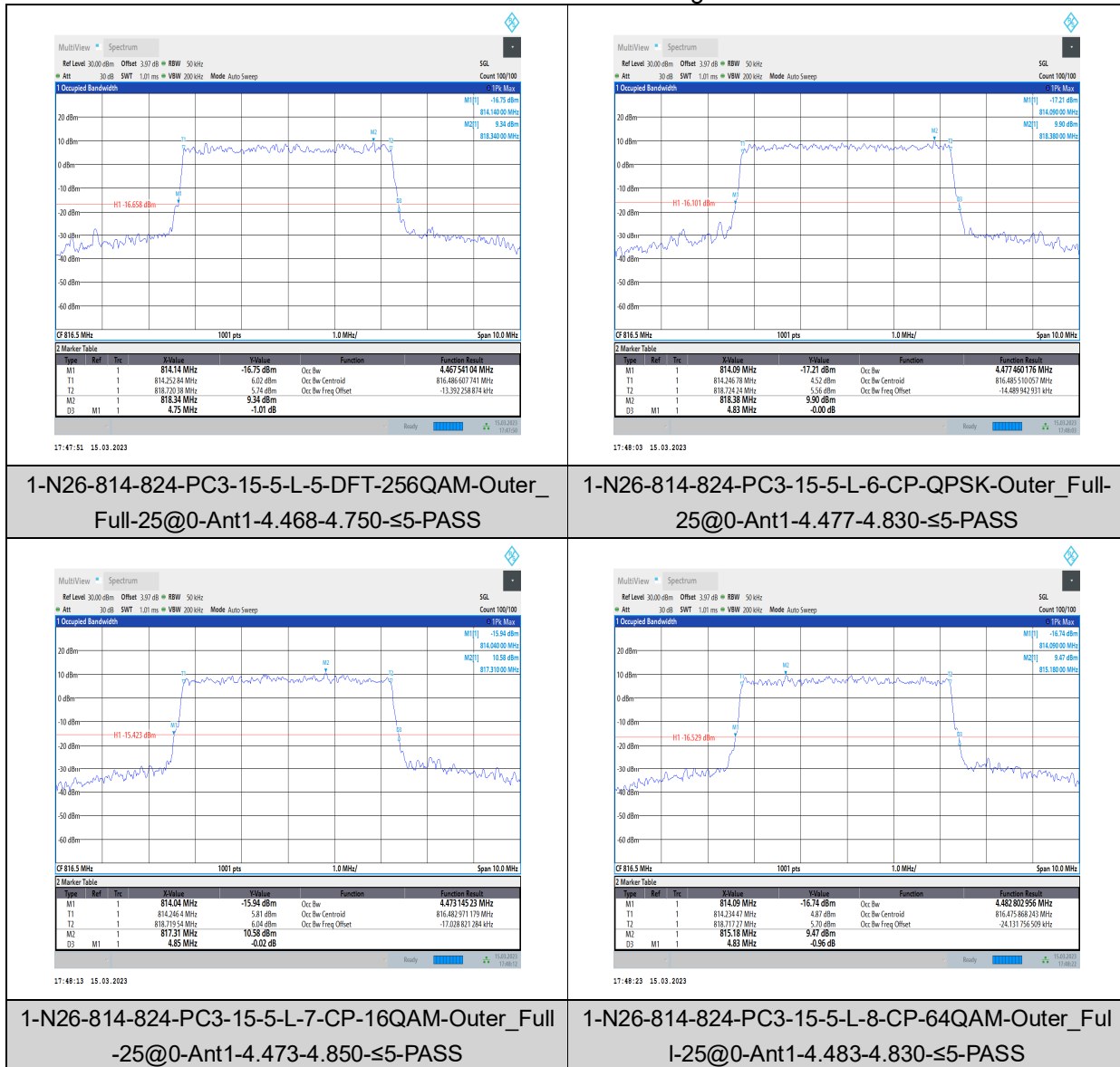
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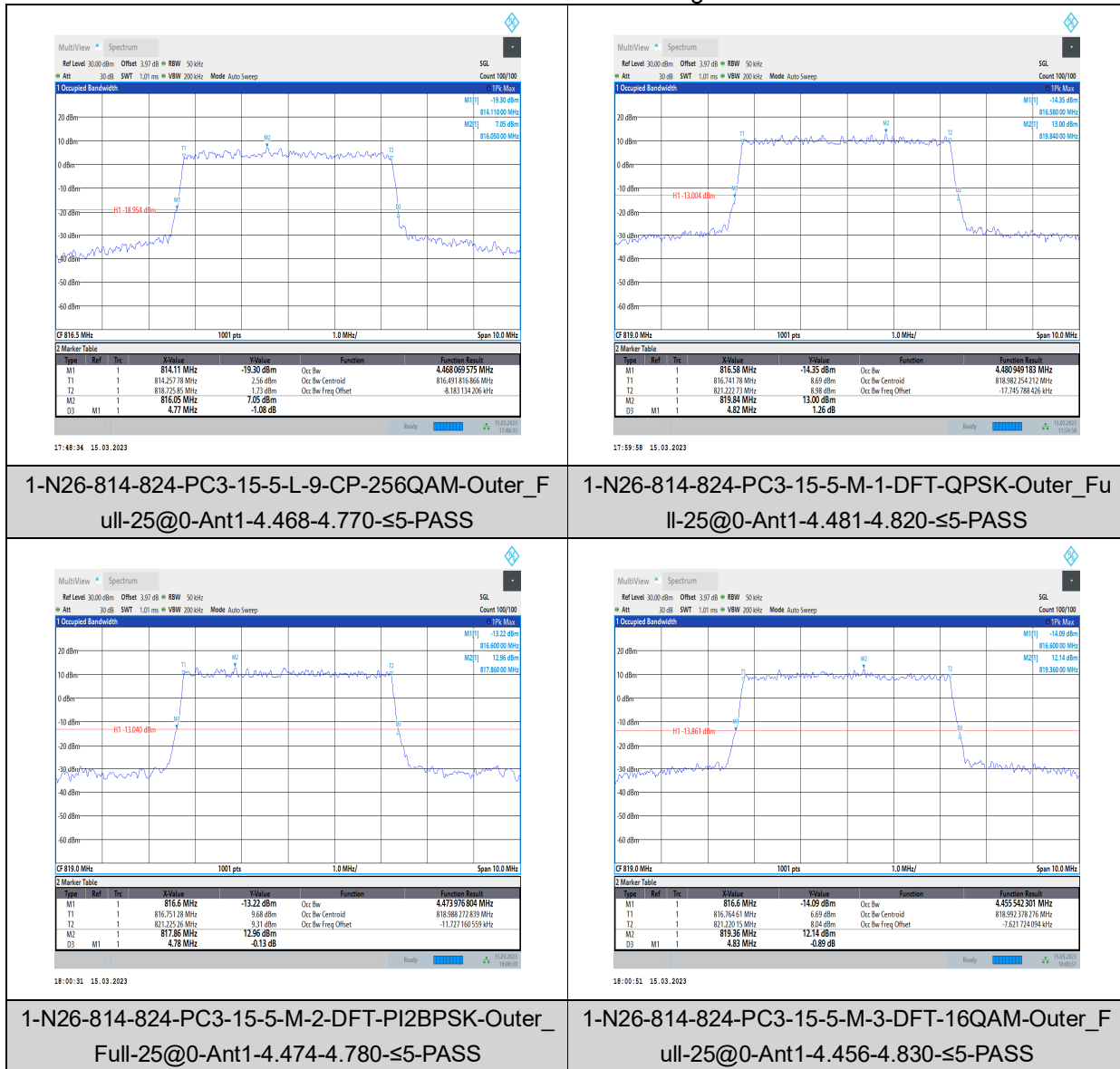
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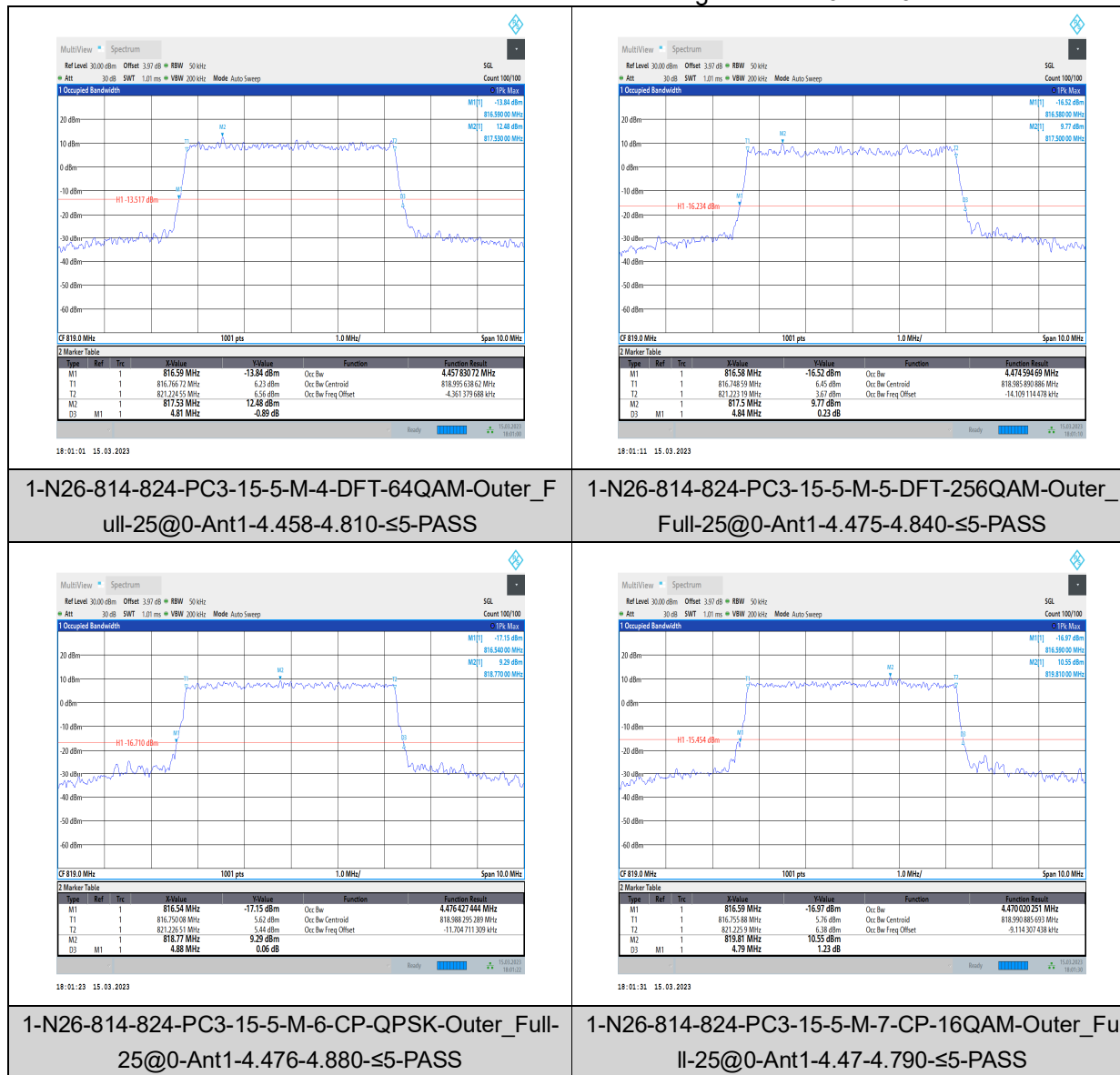
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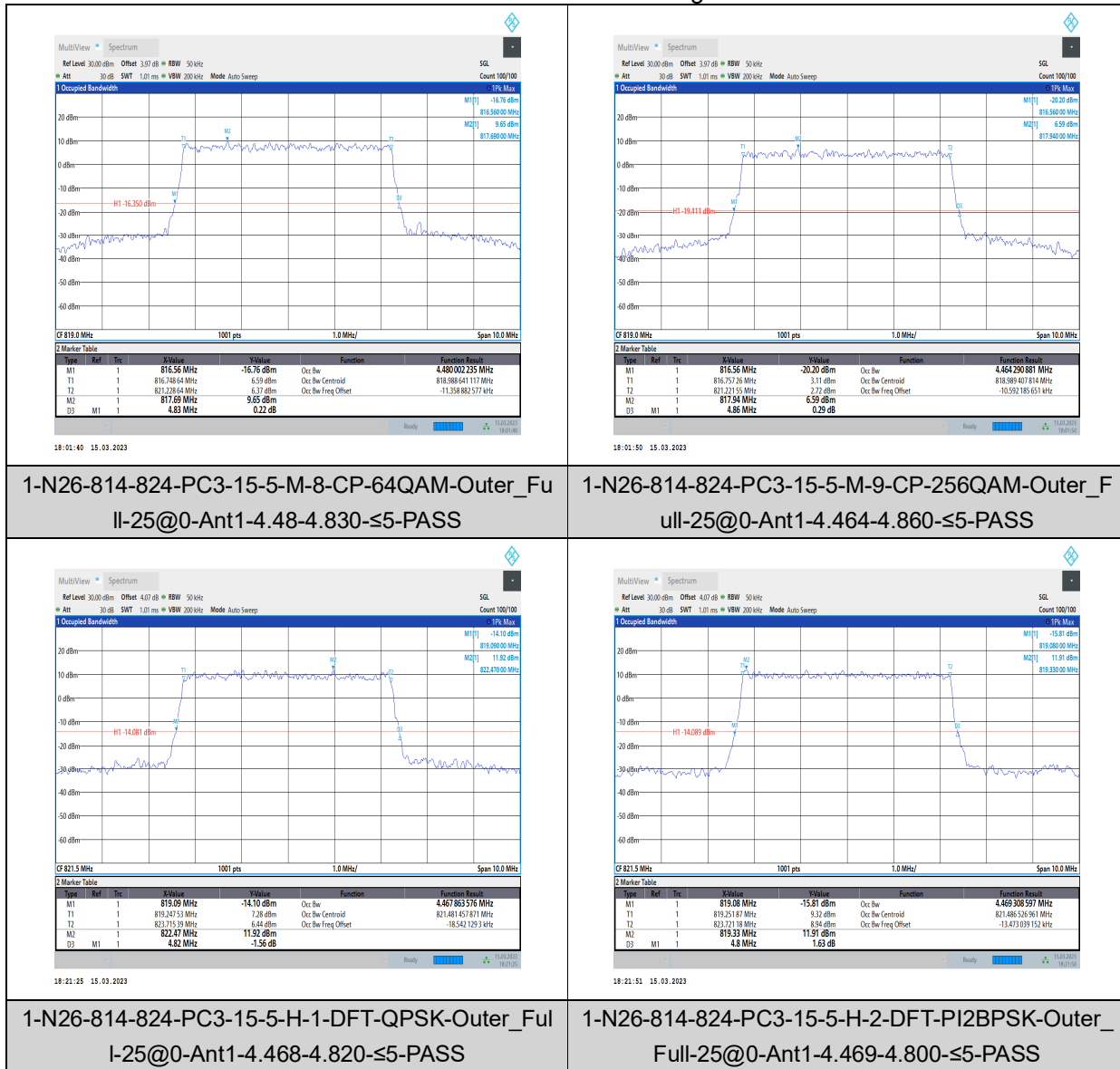
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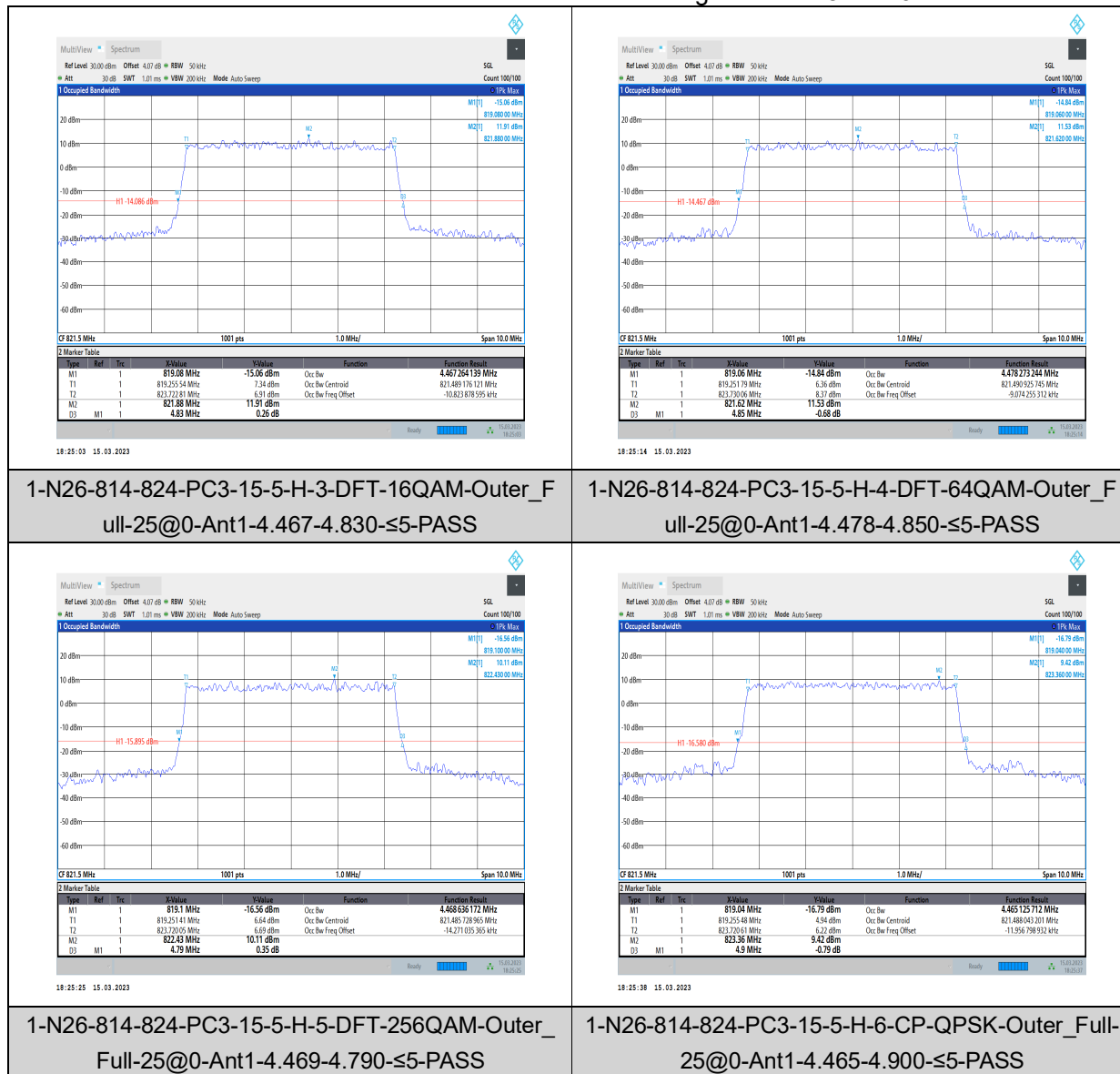
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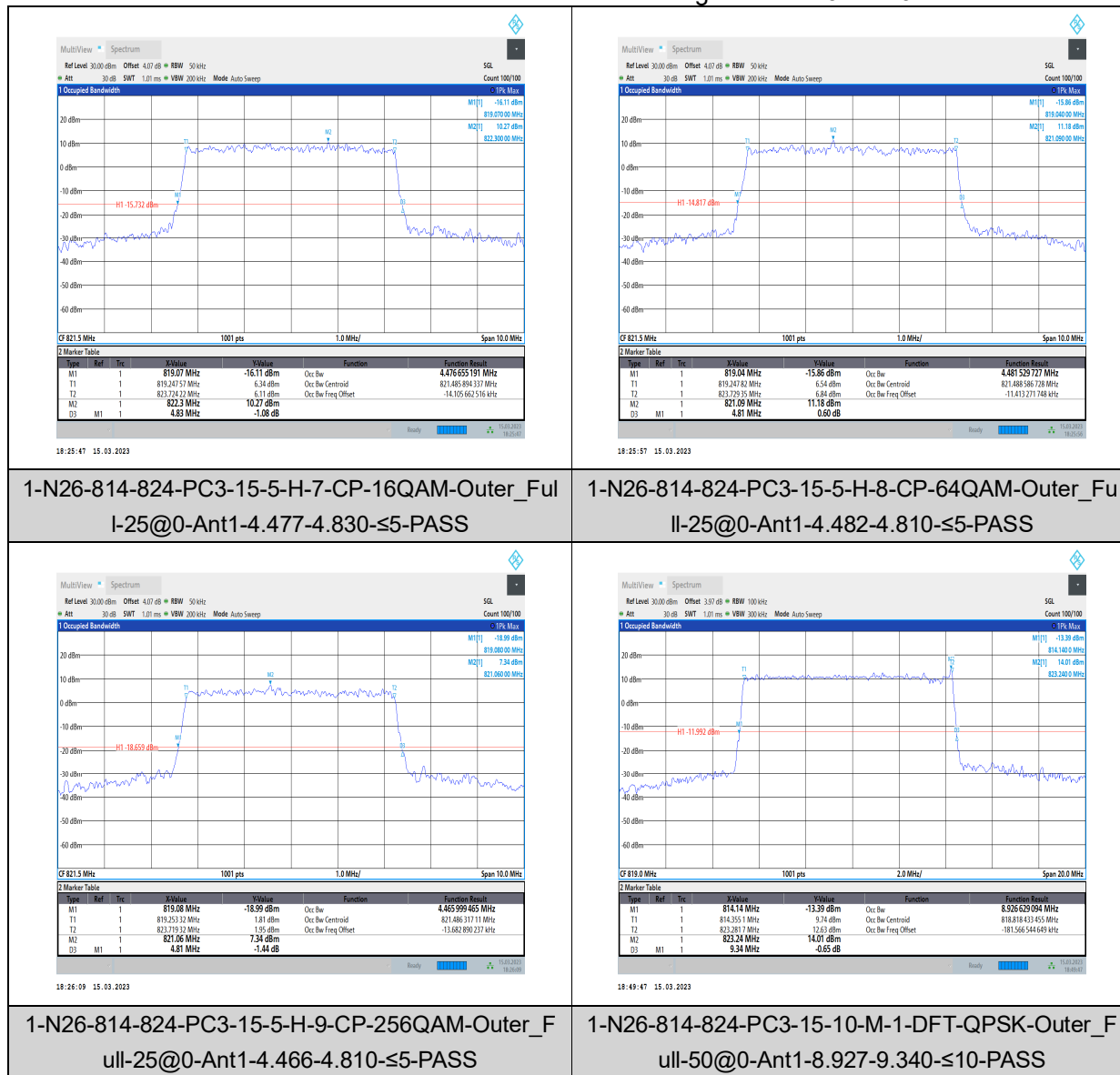
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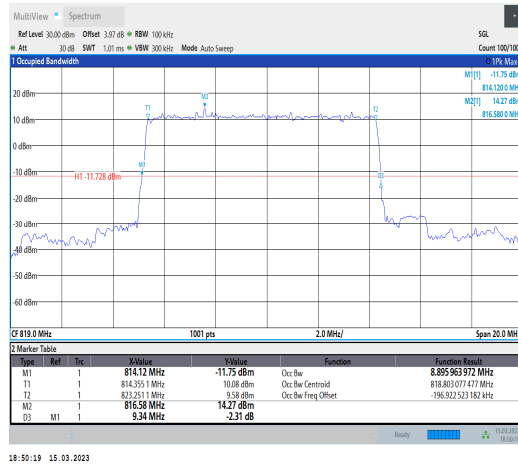
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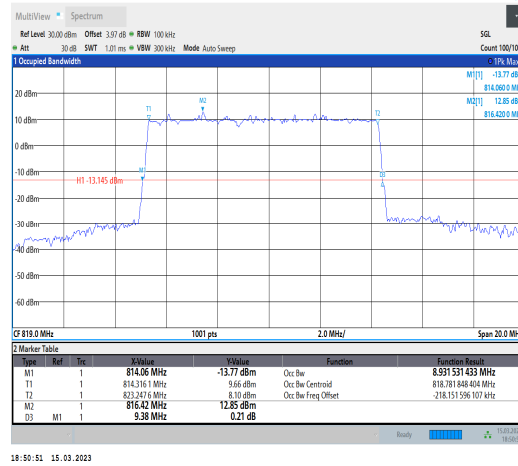
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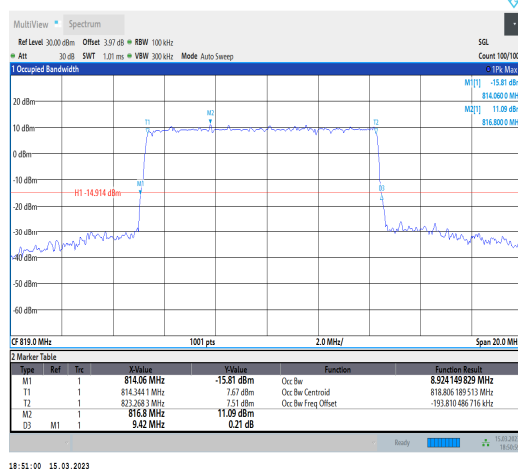
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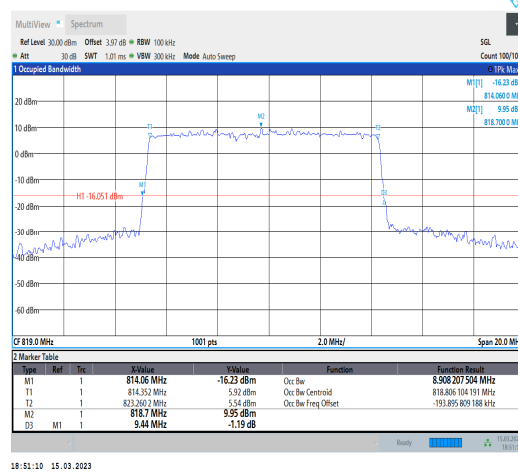
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1-N26-814-824-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.924-9.420-≤10-PASS



1-N26-814-824-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.908-9.440-≤10-PASS



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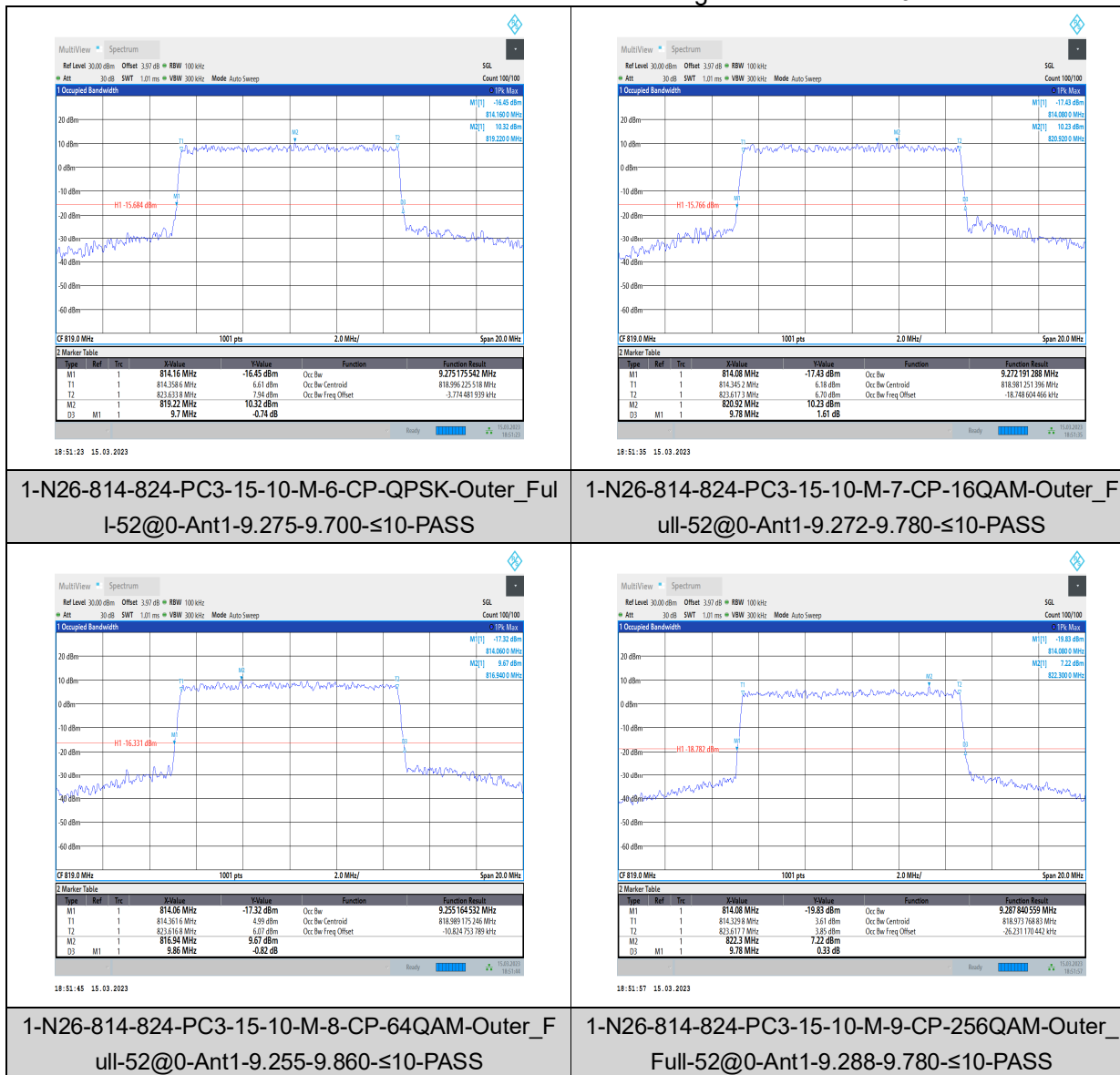
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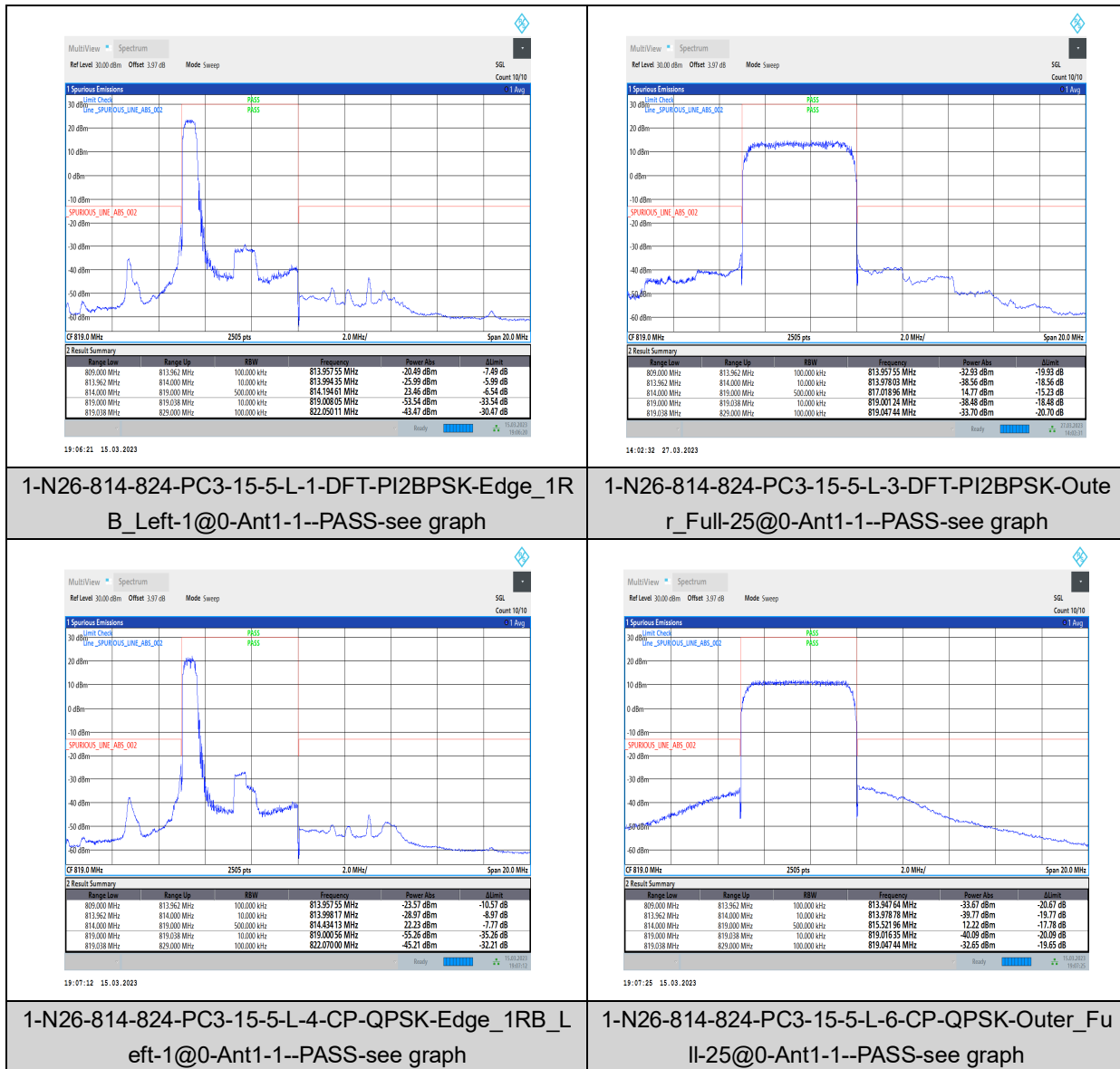
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Band Edge for SA

Test Graphs



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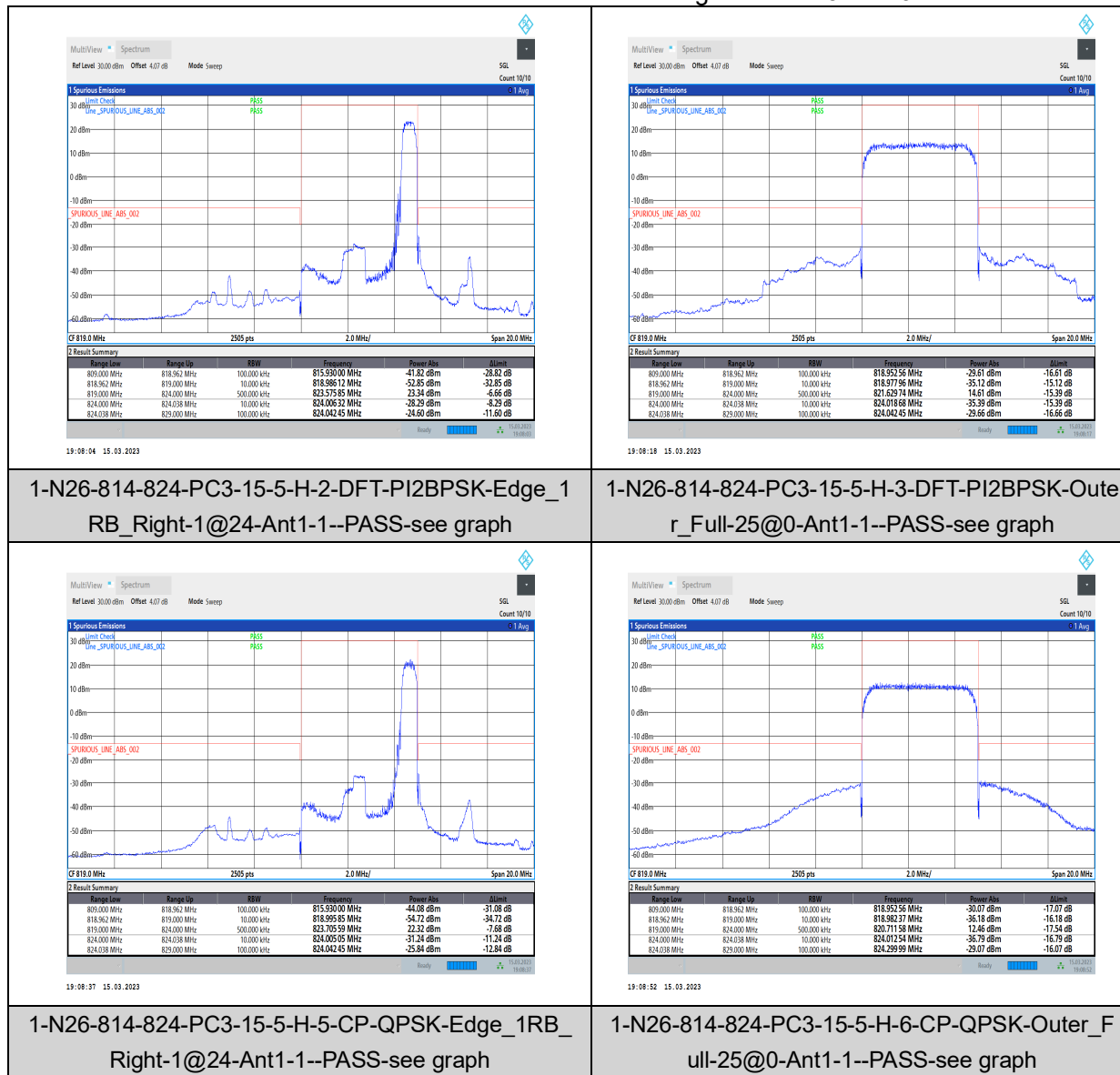
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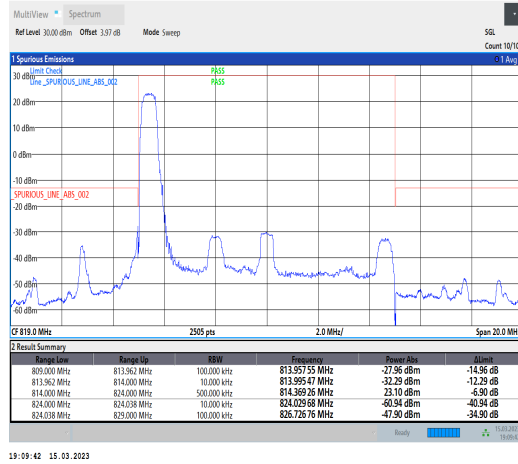
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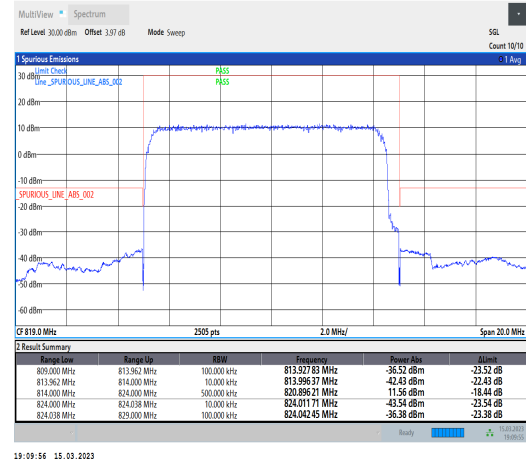
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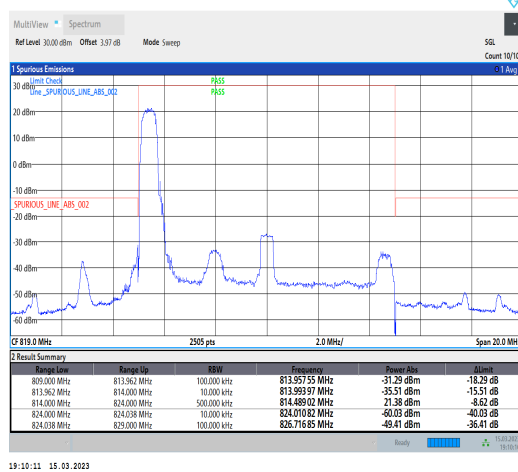
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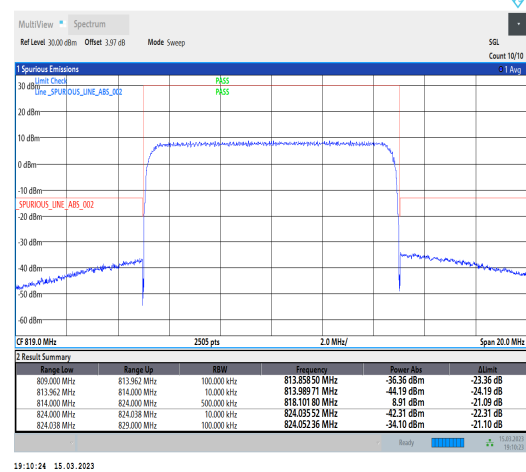
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RB_Left-1@0-Ant1-1--PASS-see graph



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er_Full-50@0-Ant1-1--PASS-see graph



1-N26-814-824-PC3-15-10-L-4-CP-QPSK-Edge_1RB_
Left-1@0-Ant1-1--PASS-see graph



1-N26-814-824-PC3-15-10-L-6-CP-QPSK-Outer_F
ull-52@0-Ant1-1--PASS-see graph



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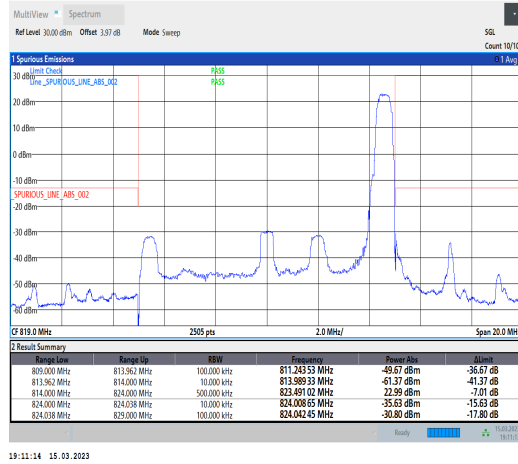
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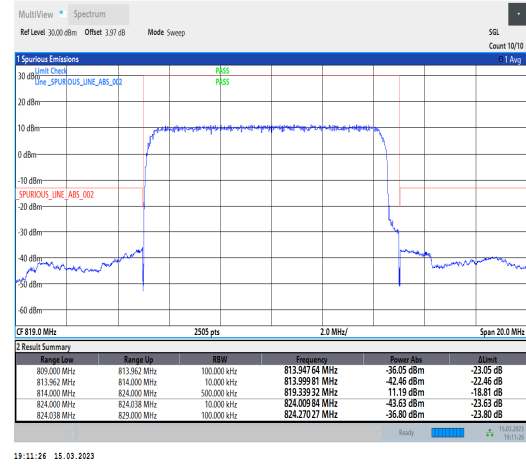
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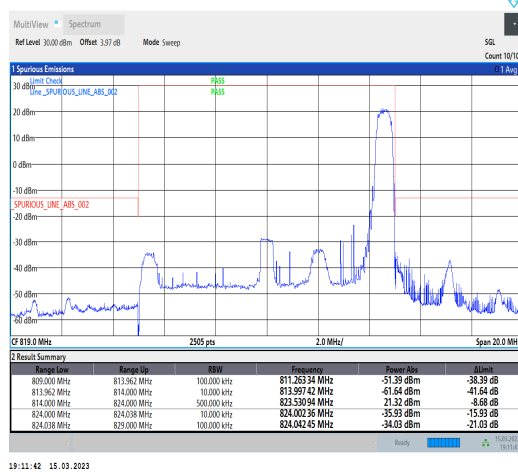
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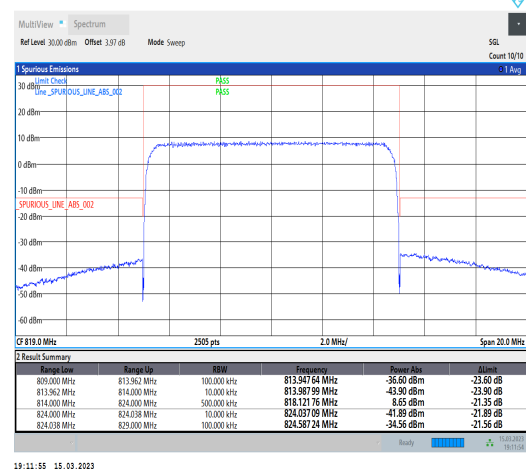
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RB_Right-1@51-Ant1-1--PASS-see graph



1-N26-814-824-PC3-15-10-H-3-DFT-PI2BPSK-Out
er_Full-50@0-Ant1-1--PASS-see graph



1-N26-814-824-PC3-15-10-H-5-CP-QPSK-Edge_1RB
Right-1@51-Ant1-1--PASS-see graph



1-N26-814-824-PC3-15-10-H-6-CP-QPSK-Outer_
Full-52@0-Ant1-1--PASS-see graph



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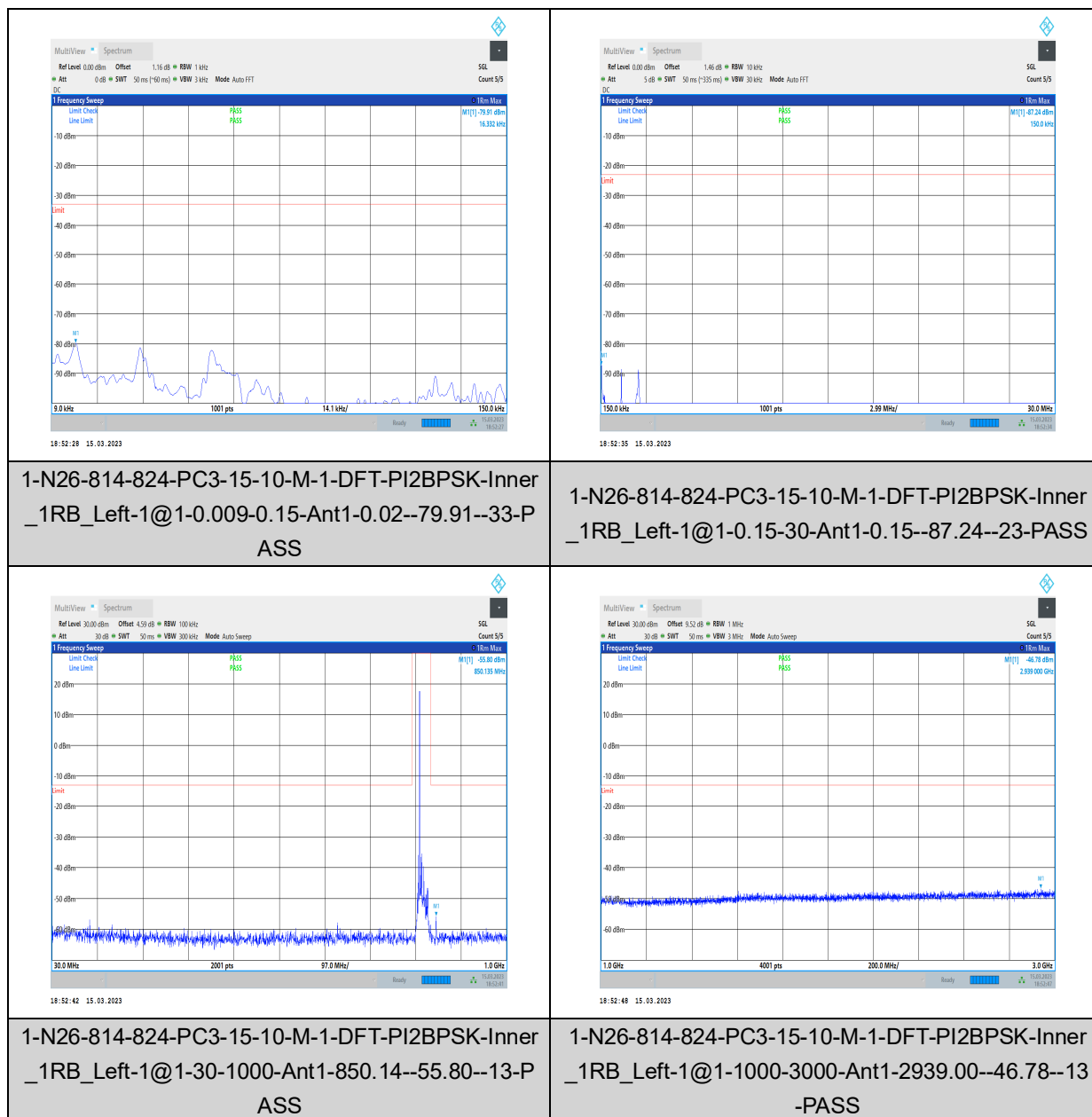
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Conducted Spurious Emission for SA

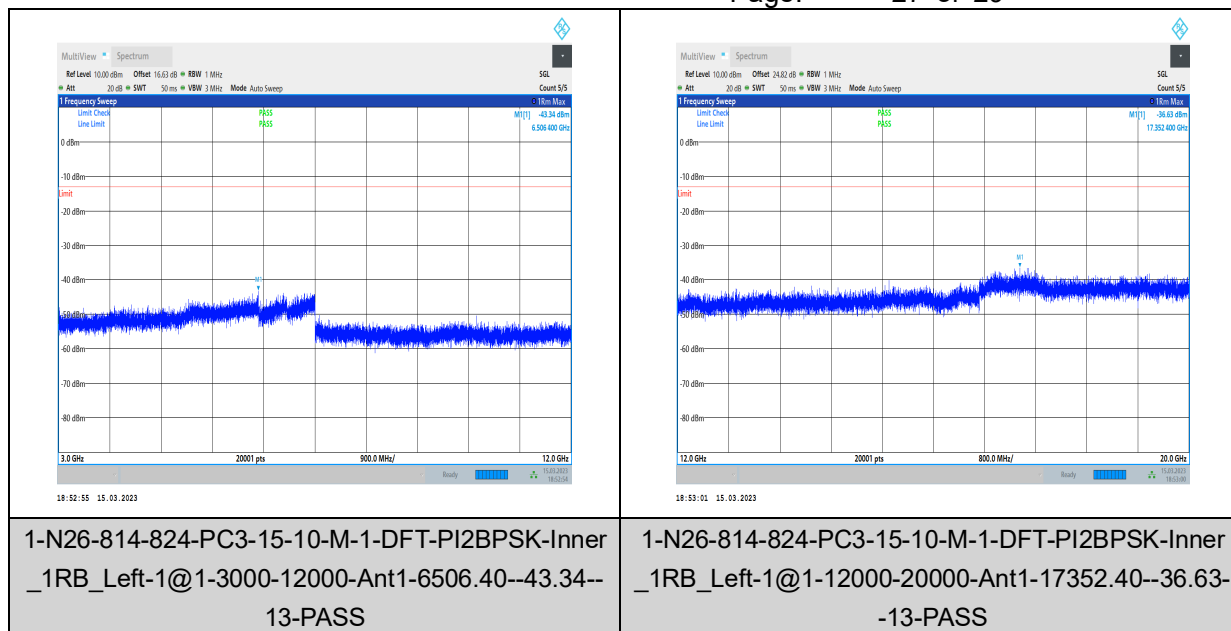
Test Graphs



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Field Strength of Spurious Radiation

Test Band = SA Band26_15MHz _ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1598.8571	45.04	-48.28	25.35	-73.15	-13.00	60.15	288	319	Horizontal
2	2201.1429	44.82	-47.68	27.34	-70.78	-13.00	57.78	174	12	Horizontal
3	3481.7143	44.17	-46.54	29.50	-68.13	-13.00	55.13	166	184	Horizontal
4	4746.8571	42.57	-45.73	32.16	-66.26	-13.00	53.26	235	197	Horizontal
5	6620.5714	42.05	-44.40	35.48	-62.13	-13.00	49.13	142	279	Horizontal
6	8926.8571	38.24	-41.24	38.16	-60.11	-13.00	47.11	106	334	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1691.4286	44.86	-48.17	25.39	-73.18	-13.00	60.18	284	311	Vertical
2	2031.4286	48.83	-47.84	26.75	-67.52	-13.00	54.52	136	191	Vertical
3	2720	44.30	-47.02	28.33	-69.66	-13.00	56.66	259	61	Vertical
4	3593.7143	43.95	-46.35	29.60	-68.06	-13.00	55.06	289	232	Vertical
5	5156	45.14	-45.16	32.97	-62.32	-13.00	49.32	142	191	Vertical
6	6413.1429	41.88	-44.73	34.67	-63.43	-13.00	50.43	130	258	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	-2.700000	-0.003297	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	-5.600000	-0.006838	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.000000	-0.002442	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VH	NT	-3.300000	-0.004029	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VN	NT	-3.000000	-0.003663	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VL	NT	-2.100000	-0.002564	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	-3.100000	-0.003785	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.800000	-0.002198	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	-2.000000	-0.002442	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.900000	-0.003541	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.700000	-0.004518	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	-3.400000	-0.004151	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.900000	-0.002320	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	-3.200000	-0.003907	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.000000	-0.004884	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	50	-5.100000	-0.006227	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	-20	-2.300000	-0.002808	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	-10	-3.200000	-0.003907	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	0	-2.200000	-0.002686	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	10	-2.900000	-0.003541	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	20	-4.000000	-0.004884	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	30	-2.900000	-0.003541	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	40	-5.100000	-0.006227	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	-30	-1.200000	-0.001465	PASS

---End of Attachment---



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