

Appendix B.23

NR Band n7



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant31:

Band	SCS	Band width	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N7	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	22.74	25.04	33.00	PASS
N7	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.86	25.16	33.00	PASS
N7	15	5	DFT-PI2BPSK	L	Outer_Full	22.29	24.59	33.00	PASS
N7	15	5	DFT-QPSK	L	Inner_1RB_Left	17.91	20.21	33.00	PASS
N7	15	5	DFT-QPSK	L	Inner_1RB_Right	22.82	25.12	33.00	PASS
N7	15	5	DFT-QPSK	L	Outer_Full	21.89	24.19	33.00	PASS
N7	15	5	DFT-16QAM	L	Inner_1RB_Left	21.97	24.27	33.00	PASS
N7	15	5	DFT-16QAM	L	Inner_1RB_Right	22.16	24.46	33.00	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	20.89	23.19	33.00	PASS
N7	15	5	DFT-64QAM	L	Inner_1RB_Left	20.19	22.49	33.00	PASS
N7	15	5	DFT-64QAM	L	Inner_1RB_Right	20.32	22.62	33.00	PASS
N7	15	5	DFT-64QAM	L	Outer_Full	20.37	22.67	33.00	PASS
N7	15	5	DFT-256QAM	L	Inner_1RB_Left	18.32	20.62	33.00	PASS
N7	15	5	DFT-256QAM	L	Inner_1RB_Right	18.49	20.79	33.00	PASS
N7	15	5	DFT-256QAM	L	Outer_Full	18.33	20.63	33.00	PASS
N7	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	22.85	25.15	33.00	PASS
N7	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.90	25.20	33.00	PASS
N7	15	5	DFT-PI2BPSK	M	Outer_Full	22.39	24.69	33.00	PASS
N7	15	5	DFT-QPSK	M	Inner_1RB_Left	22.97	25.27	33.00	PASS
N7	15	5	DFT-QPSK	M	Inner_1RB_Right	23.00	25.30	33.00	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	21.83	24.13	33.00	PASS
N7	15	5	DFT-16QAM	M	Inner_1RB_Left	21.97	24.27	33.00	PASS
N7	15	5	DFT-16QAM	M	Inner_1RB_Right	22.05	24.35	33.00	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	20.84	23.14	33.00	PASS
N7	15	5	DFT-64QAM	M	Inner_1RB_Left	20.35	22.65	33.00	PASS
N7	15	5	DFT-64QAM	M	Inner_1RB_Right	20.38	22.68	33.00	PASS
N7	15	5	DFT-64QAM	M	Outer_Full	20.47	22.77	33.00	PASS
N7	15	5	DFT-256QAM	M	Inner_1RB_Left	18.49	20.79	33.00	PASS
N7	15	5	DFT-256QAM	M	Inner_1RB_Right	18.48	20.78	33.00	PASS
N7	15	5	DFT-256QAM	M	Outer_Full	18.31	20.61	33.00	PASS
N7	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.83	25.13	33.00	PASS



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N7	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.00	25.30	33.00	PASS
N7	15	5	DFT-PI2BPSK	H	Outer_Full	22.52	24.82	33.00	PASS
N7	15	5	DFT-QPSK	H	Inner_1RB_Left	17.94	20.24	33.00	PASS
N7	15	5	DFT-QPSK	H	Inner_1RB_Right	23.00	25.30	33.00	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	21.97	24.27	33.00	PASS
N7	15	5	DFT-16QAM	H	Inner_1RB_Left	22.04	24.34	33.00	PASS
N7	15	5	DFT-16QAM	H	Inner_1RB_Right	22.18	24.48	33.00	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	20.97	23.27	33.00	PASS
N7	15	5	DFT-64QAM	H	Inner_1RB_Left	20.35	22.65	33.00	PASS
N7	15	5	DFT-64QAM	H	Inner_1RB_Right	20.43	22.73	33.00	PASS
N7	15	5	DFT-64QAM	H	Outer_Full	20.42	22.72	33.00	PASS
N7	15	10	DFT-PI2BPSK	H	Outer_Full	22.17	24.47	33.00	PASS
N7	15	10	DFT-QPSK	H	Inner_1RB_Left	17.90	20.20	33.00	PASS
N7	15	10	DFT-QPSK	H	Inner_1RB_Right	22.75	25.05	33.00	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	21.70	24.00	33.00	PASS
N7	15	10	DFT-16QAM	H	Inner_1RB_Left	21.84	24.14	33.00	PASS
N7	15	10	DFT-16QAM	H	Inner_1RB_Right	22.06	24.36	33.00	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	20.75	23.05	33.00	PASS
N7	15	10	DFT-64QAM	H	Inner_1RB_Left	20.01	22.31	33.00	PASS
N7	15	10	DFT-64QAM	H	Inner_1RB_Right	20.21	22.51	33.00	PASS
N7	15	10	DFT-64QAM	H	Outer_Full	20.27	22.57	33.00	PASS
N7	15	10	DFT-256QAM	H	Inner_1RB_Left	18.14	20.44	33.00	PASS
N7	15	10	DFT-256QAM	H	Inner_1RB_Right	18.35	20.65	33.00	PASS
N7	15	10	DFT-256QAM	H	Outer_Full	18.17	20.47	33.00	PASS
N7	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	22.63	24.93	33.00	PASS
N7	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	22.76	25.06	33.00	PASS
N7	15	15	DFT-PI2BPSK	L	Outer_Full	22.41	24.71	33.00	PASS
N7	15	15	DFT-QPSK	L	Inner_1RB_Left	22.87	25.17	33.00	PASS
N7	15	15	DFT-QPSK	L	Inner_1RB_Right	22.85	25.15	33.00	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	21.93	24.23	33.00	PASS
N7	15	15	DFT-16QAM	L	Inner_1RB_Left	21.91	24.21	33.00	PASS
N7	15	15	DFT-16QAM	L	Inner_1RB_Right	21.92	24.22	33.00	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	20.92	23.22	33.00	PASS
N7	15	15	DFT-64QAM	L	Inner_1RB_Left	20.09	22.39	33.00	PASS
N7	15	15	DFT-64QAM	L	Inner_1RB_Right	20.16	22.46	33.00	PASS
N7	15	15	DFT-64QAM	L	Outer_Full	20.33	22.63	33.00	PASS
N7	15	15	DFT-256QAM	L	Inner_1RB_Left	18.27	20.57	33.00	PASS
N7	15	15	DFT-256QAM	L	Inner_1RB_Right	18.35	20.65	33.00	PASS



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N7	15	15	DFT-256QAM	L	Outer_Full	18.29	20.59	33.00	PASS
N7	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	22.74	25.04	33.00	PASS
N7	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	22.79	25.09	33.00	PASS
N7	15	15	DFT-PI2BPSK	M	Outer_Full	22.43	24.73	33.00	PASS
N7	15	15	DFT-QPSK	M	Inner_1RB_Left	22.81	25.11	33.00	PASS
N7	15	15	DFT-QPSK	M	Inner_1RB_Right	22.80	25.10	33.00	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	21.84	24.14	33.00	PASS
N7	15	15	DFT-16QAM	M	Inner_1RB_Left	21.85	24.15	33.00	PASS
N7	15	15	DFT-16QAM	M	Inner_1RB_Right	21.85	24.15	33.00	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	20.94	23.24	33.00	PASS
N7	15	15	DFT-64QAM	M	Inner_1RB_Left	20.13	22.43	33.00	PASS
N7	15	15	DFT-64QAM	M	Inner_1RB_Right	20.10	22.40	33.00	PASS
N7	15	15	DFT-64QAM	M	Outer_Full	20.42	22.72	33.00	PASS
N7	15	15	DFT-256QAM	M	Inner_1RB_Left	18.29	20.59	33.00	PASS
N7	15	15	DFT-256QAM	M	Inner_1RB_Right	18.40	20.70	33.00	PASS
N7	15	15	DFT-256QAM	M	Outer_Full	18.42	20.72	33.00	PASS
N7	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	22.61	24.91	33.00	PASS
N7	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	22.96	25.26	33.00	PASS
N7	15	15	DFT-PI2BPSK	H	Outer_Full	22.35	24.65	33.00	PASS
N7	15	15	DFT-QPSK	H	Inner_1RB_Left	22.65	24.95	33.00	PASS
N7	15	15	DFT-QPSK	H	Inner_1RB_Right	22.95	25.25	33.00	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	21.80	24.10	33.00	PASS
N7	15	15	DFT-16QAM	H	Inner_1RB_Left	21.89	24.19	33.00	PASS
N7	15	15	DFT-16QAM	H	Inner_1RB_Right	21.99	24.29	33.00	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	20.79	23.09	33.00	PASS
N7	15	15	DFT-64QAM	H	Inner_1RB_Left	19.96	22.26	33.00	PASS
N7	15	15	DFT-64QAM	H	Inner_1RB_Right	20.41	22.71	33.00	PASS
N7	15	15	DFT-64QAM	H	Outer_Full	20.30	22.60	33.00	PASS
N7	15	15	DFT-256QAM	H	Inner_1RB_Left	18.13	20.43	33.00	PASS
N7	15	15	DFT-256QAM	H	Inner_1RB_Right	18.58	20.88	33.00	PASS
N7	15	15	DFT-256QAM	H	Outer_Full	18.35	20.65	33.00	PASS
N7	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	22.65	24.95	33.00	PASS
N7	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	22.61	24.91	33.00	PASS
N7	15	20	DFT-PI2BPSK	L	Outer_Full	22.36	24.66	33.00	PASS
N7	15	20	DFT-QPSK	L	Inner_1RB_Left	22.77	25.07	33.00	PASS
N7	15	20	DFT-QPSK	L	Inner_1RB_Right	22.74	25.04	33.00	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	21.90	24.20	33.00	PASS
N7	15	20	DFT-16QAM	L	Inner_1RB_Left	21.75	24.05	33.00	PASS



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N7	15	20	DFT-16QAM	L	Inner_1RB_Right	21.81	24.11	33.00	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	20.84	23.14	33.00	PASS
N7	15	20	DFT-64QAM	L	Inner_1RB_Left	20.16	22.46	33.00	PASS
N7	15	20	DFT-64QAM	L	Inner_1RB_Right	20.08	22.38	33.00	PASS
N7	15	20	DFT-64QAM	L	Outer_Full	20.42	22.72	33.00	PASS
N7	15	20	DFT-256QAM	L	Inner_1RB_Left	18.26	20.56	33.00	PASS
N7	15	20	DFT-256QAM	L	Inner_1RB_Right	18.26	20.56	33.00	PASS
N7	15	20	DFT-256QAM	L	Outer_Full	18.34	20.64	33.00	PASS
N7	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	22.59	24.89	33.00	PASS
N7	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	22.75	25.05	33.00	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	22.27	24.57	33.00	PASS
N7	15	20	DFT-QPSK	M	Inner_1RB_Left	22.68	24.98	33.00	PASS
N7	15	20	DFT-QPSK	M	Inner_1RB_Right	22.81	25.11	33.00	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	21.86	24.16	33.00	PASS
N7	15	20	DFT-16QAM	M	Inner_1RB_Left	21.95	24.25	33.00	PASS
N7	15	20	DFT-16QAM	M	Inner_1RB_Right	21.82	24.12	33.00	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	20.78	23.08	33.00	PASS
N7	15	20	DFT-64QAM	M	Inner_1RB_Left	20.13	22.43	33.00	PASS
N7	15	20	DFT-64QAM	M	Inner_1RB_Right	20.13	22.43	33.00	PASS
N7	15	20	DFT-64QAM	M	Outer_Full	20.34	22.64	33.00	PASS
N7	15	20	DFT-256QAM	M	Inner_1RB_Left	18.27	20.57	33.00	PASS
N7	15	20	DFT-256QAM	M	Inner_1RB_Right	18.39	20.69	33.00	PASS
N7	15	20	DFT-256QAM	M	Outer_Full	18.23	20.53	33.00	PASS
N7	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	22.42	24.72	33.00	PASS
N7	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	22.94	25.24	33.00	PASS
N7	15	20	DFT-PI2BPSK	H	Outer_Full	22.21	24.51	33.00	PASS
N7	15	20	DFT-QPSK	H	Inner_1RB_Left	22.53	24.83	33.00	PASS
N7	15	20	DFT-QPSK	H	Inner_1RB_Right	23.04	25.34	33.00	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	21.85	24.15	33.00	PASS
N7	15	20	DFT-16QAM	H	Inner_1RB_Left	21.82	24.12	33.00	PASS
N7	15	20	DFT-16QAM	H	Inner_1RB_Right	22.18	24.48	33.00	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	20.79	23.09	33.00	PASS
N7	15	20	DFT-64QAM	H	Inner_1RB_Left	19.95	22.25	33.00	PASS
N7	15	20	DFT-64QAM	H	Inner_1RB_Right	20.28	22.58	33.00	PASS
N7	15	20	DFT-64QAM	H	Outer_Full	20.23	22.53	33.00	PASS
N7	15	20	DFT-256QAM	H	Inner_1RB_Left	19.69	21.99	33.00	PASS
N7	15	20	DFT-256QAM	H	Inner_1RB_Right	18.45	20.75	33.00	PASS
N7	15	20	DFT-256QAM	H	Outer_Full	18.27	20.57	33.00	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N7	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.83	≤13	PASS
N7	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.55	≤13	PASS
N7	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.50	≤13	PASS
N7	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.67	≤13	PASS
N7	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	9.03	≤13	PASS
N7	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.73	≤13	PASS

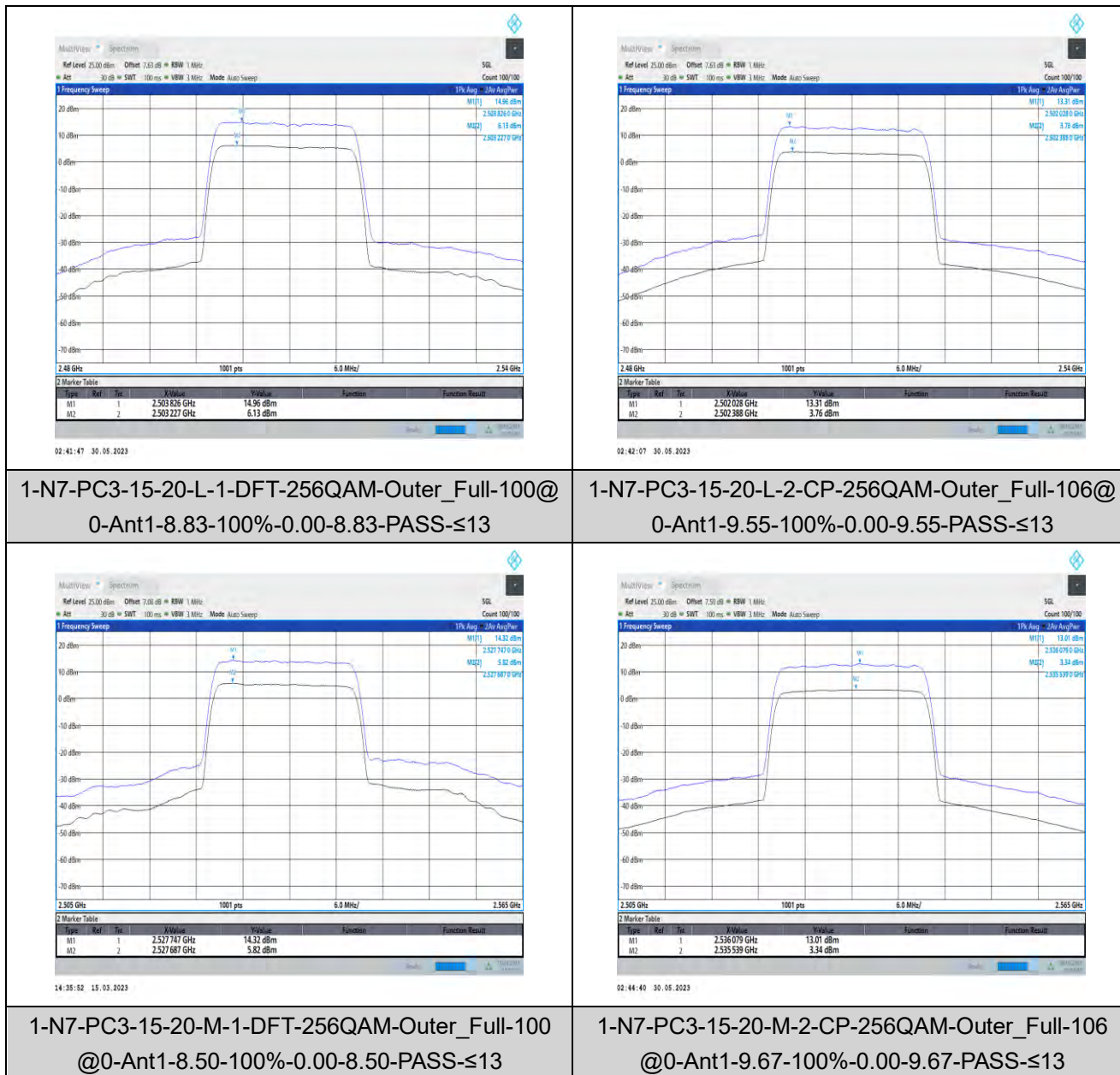


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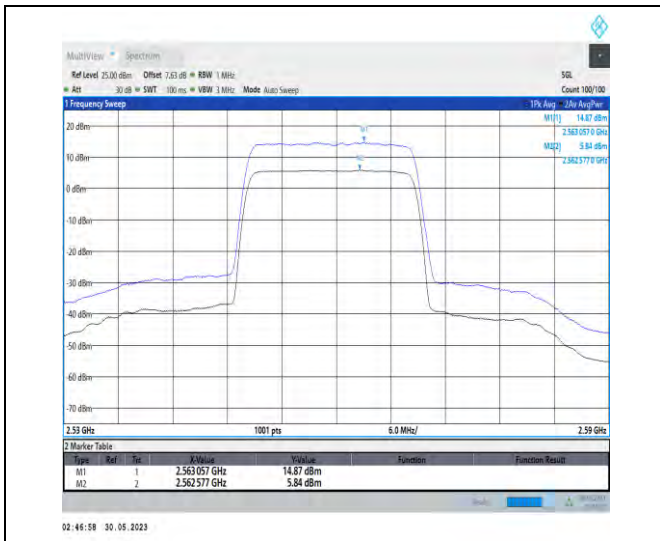
Test Graphs



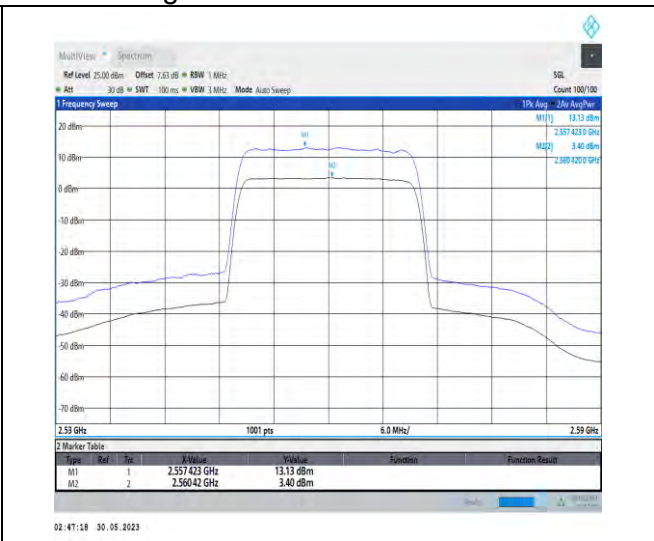
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1-N7-PC3-15-20-H-1-DFT-256QAM-Outer_Full-100 @0-Ant1-9.03-100%-0.00-9.03-PASS-≤13



1-N7-PC3-15-20-H-2-CP-256QAM-Outer_Full-106@0-Ant1-9.73-100%-0.00-9.73-PASS-≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N7	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N7	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N7	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N7	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N7	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N7	15	20	CP-64QAM	M	Outer_Full	see graph	PASS

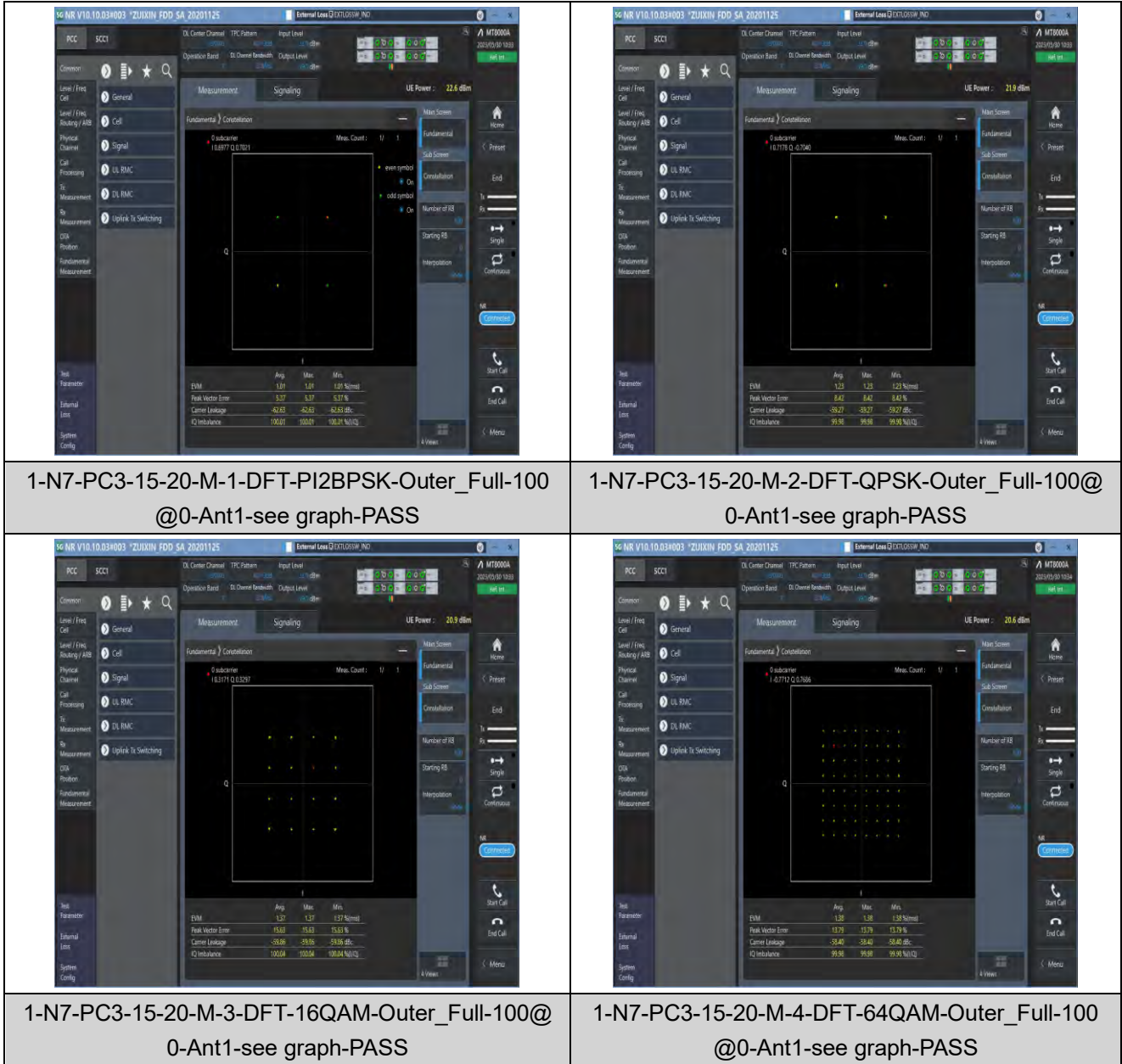


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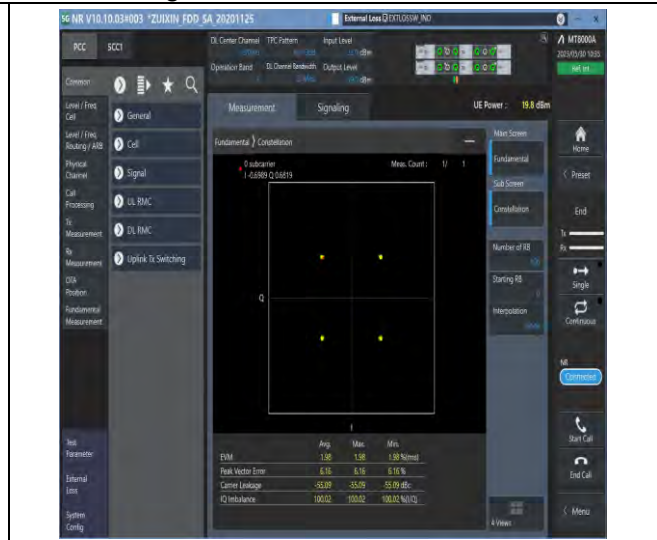
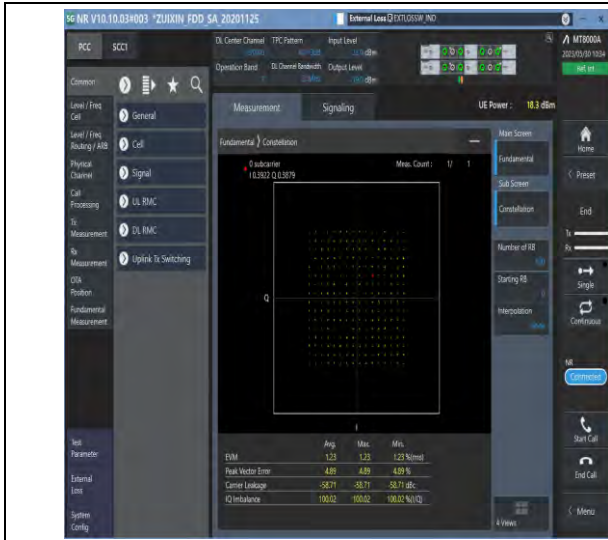
Test Graphs



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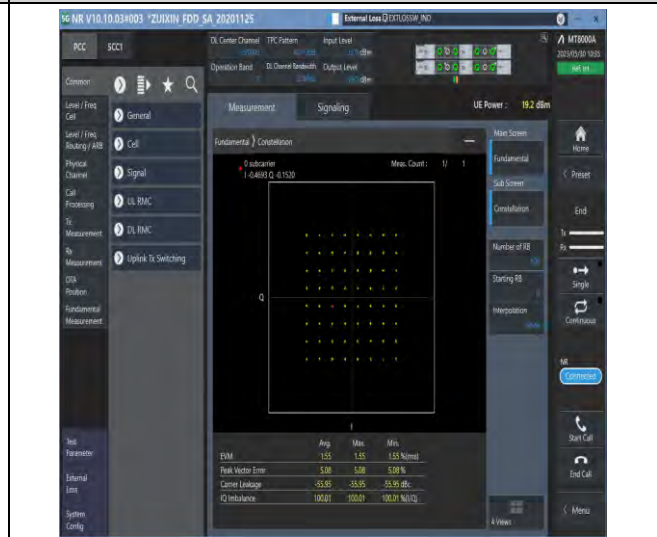
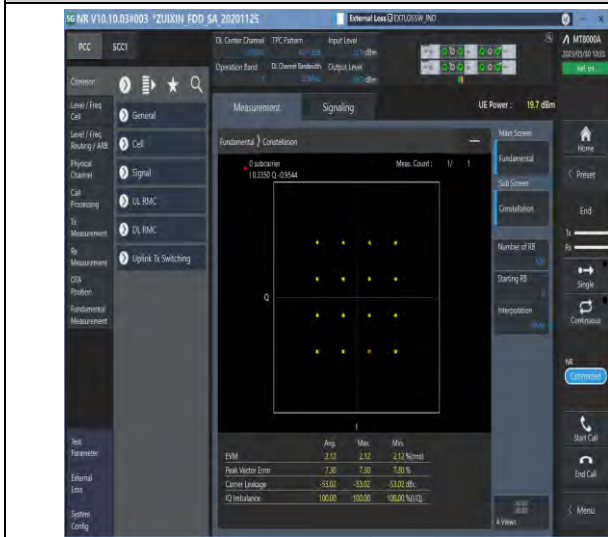
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1-N7-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100 @0-Ant1-see graph-PASS

1-N7-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-see graph-PASS



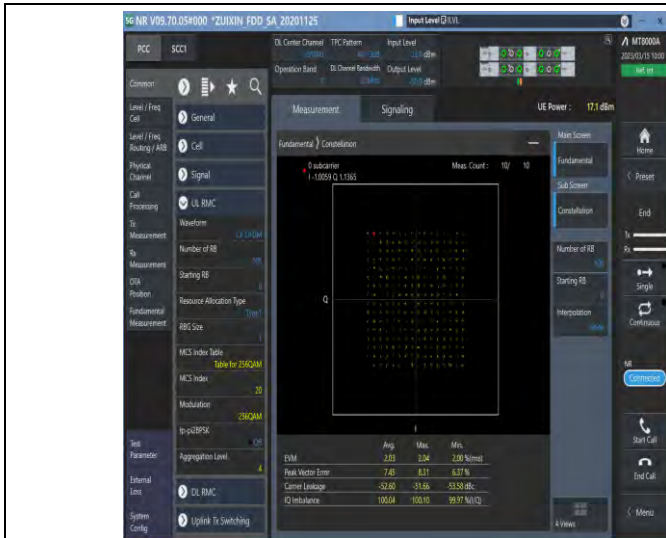
1-N7-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-see graph-PASS

1-N7-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS



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1-N7-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant1-see graph-PASS



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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
N7	15	5	DFT-QPSK	L	Outer_Full	4.465	4.850	PASS
N7	15	5	DFT-PI2BPSK	L	Outer_Full	4.460	4.870	PASS
N7	15	5	DFT-16QAM	L	Outer_Full	4.481	4.780	PASS
N7	15	5	DFT-64QAM	L	Outer_Full	4.463	4.850	PASS
N7	15	5	DFT-256QAM	L	Outer_Full	4.457	4.750	PASS
N7	15	5	CP-QPSK	L	Outer_Full	4.466	4.820	PASS
N7	15	5	CP-16QAM	L	Outer_Full	4.471	4.820	PASS
N7	15	5	CP-64QAM	L	Outer_Full	4.485	4.830	PASS
N7	15	5	CP-256QAM	L	Outer_Full	4.466	4.840	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	4.468	4.780	PASS
N7	15	5	DFT-PI2BPSK	M	Outer_Full	4.464	4.820	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	4.469	4.780	PASS
N7	15	5	DFT-64QAM	M	Outer_Full	4.461	4.860	PASS
N7	15	5	DFT-256QAM	M	Outer_Full	4.458	4.830	PASS
N7	15	5	CP-QPSK	M	Outer_Full	4.461	4.850	PASS
N7	15	5	CP-16QAM	M	Outer_Full	4.475	4.870	PASS
N7	15	5	CP-64QAM	M	Outer_Full	4.483	4.820	PASS
N7	15	5	CP-256QAM	M	Outer_Full	4.476	4.810	PASS
N7	15	5	DFT-QPSK	H	Outer_Full	4.471	4.840	PASS
N7	15	5	DFT-PI2BPSK	H	Outer_Full	4.466	4.830	PASS
N7	15	5	DFT-16QAM	H	Outer_Full	4.472	4.790	PASS
N7	15	5	DFT-64QAM	H	Outer_Full	4.469	4.790	PASS
N7	15	5	CP-16QAM	H	Outer_Full	4.475	4.830	PASS
N7	15	5	CP-64QAM	H	Outer_Full	4.477	4.870	PASS
N7	15	5	CP-256QAM	H	Outer_Full	4.459	4.810	PASS
N7	15	10	DFT-QPSK	L	Outer_Full	8.930	9.520	PASS
N7	15	10	DFT-PI2BPSK	L	Outer_Full	8.910	9.700	PASS
N7	15	10	DFT-16QAM	L	Outer_Full	8.943	9.580	PASS
N7	15	10	DFT-64QAM	L	Outer_Full	8.943	9.440	PASS
N7	15	10	DFT-256QAM	L	Outer_Full	8.934	9.560	PASS
N7	15	10	CP-QPSK	L	Outer_Full	9.296	9.780	PASS



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N7	15	10	CP-16QAM	L	Outer_Full	9.269	9.900	PASS
N7	15	10	CP-64QAM	L	Outer_Full	9.280	9.800	PASS
N7	15	10	CP-256QAM	L	Outer_Full	9.298	9.800	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	8.910	9.520	PASS
N7	15	10	DFT-PI2BPSK	M	Outer_Full	8.893	9.540	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	8.933	9.560	PASS
N7	15	10	DFT-64QAM	M	Outer_Full	8.938	9.460	PASS
N7	15	10	DFT-256QAM	M	Outer_Full	8.929	9.440	PASS
N7	15	10	CP-QPSK	M	Outer_Full	9.277	9.940	PASS
N7	15	10	CP-16QAM	M	Outer_Full	9.302	9.900	PASS
N7	15	10	CP-64QAM	M	Outer_Full	9.307	9.880	PASS
N7	15	10	CP-256QAM	M	Outer_Full	9.289	9.840	PASS
N7	15	10	DFT-QPSK	H	Outer_Full	8.915	9.560	PASS
N7	15	10	DFT-PI2BPSK	H	Outer_Full	8.907	9.440	PASS
N7	15	10	DFT-16QAM	H	Outer_Full	8.938	9.580	PASS
N7	15	10	DFT-64QAM	H	Outer_Full	8.917	9.600	PASS
N7	15	10	DFT-256QAM	H	Outer_Full	8.918	9.400	PASS
N7	15	10	CP-QPSK	H	Outer_Full	9.275	9.880	PASS
N7	15	10	CP-16QAM	H	Outer_Full	9.294	9.800	PASS
N7	15	10	CP-64QAM	H	Outer_Full	9.261	9.860	PASS
N7	15	10	CP-256QAM	H	Outer_Full	9.307	9.780	PASS
N7	15	15	DFT-QPSK	L	Outer_Full	13.427	14.130	PASS
N7	15	15	DFT-PI2BPSK	L	Outer_Full	13.427	14.160	PASS
N7	15	15	DFT-16QAM	L	Outer_Full	13.420	14.070	PASS
N7	15	15	DFT-64QAM	L	Outer_Full	13.464	14.190	PASS
N7	15	15	DFT-256QAM	L	Outer_Full	13.434	14.280	PASS
N7	15	15	CP-QPSK	L	Outer_Full	14.147	14.850	PASS
N7	15	15	CP-16QAM	L	Outer_Full	14.125	14.820	PASS
N7	15	15	CP-64QAM	L	Outer_Full	14.142	14.880	PASS
N7	15	15	CP-256QAM	L	Outer_Full	14.124	14.850	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	13.418	14.310	PASS
N7	15	15	DFT-PI2BPSK	M	Outer_Full	13.421	14.280	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	13.406	14.130	PASS
N7	15	15	DFT-64QAM	M	Outer_Full	13.413	14.100	PASS
N7	15	15	DFT-256QAM	M	Outer_Full	13.407	14.220	PASS
N7	15	15	CP-QPSK	M	Outer_Full	14.087	14.940	PASS
N7	15	15	CP-16QAM	M	Outer_Full	14.086	14.730	PASS
N7	15	15	CP-64QAM	M	Outer_Full	14.128	14.910	PASS



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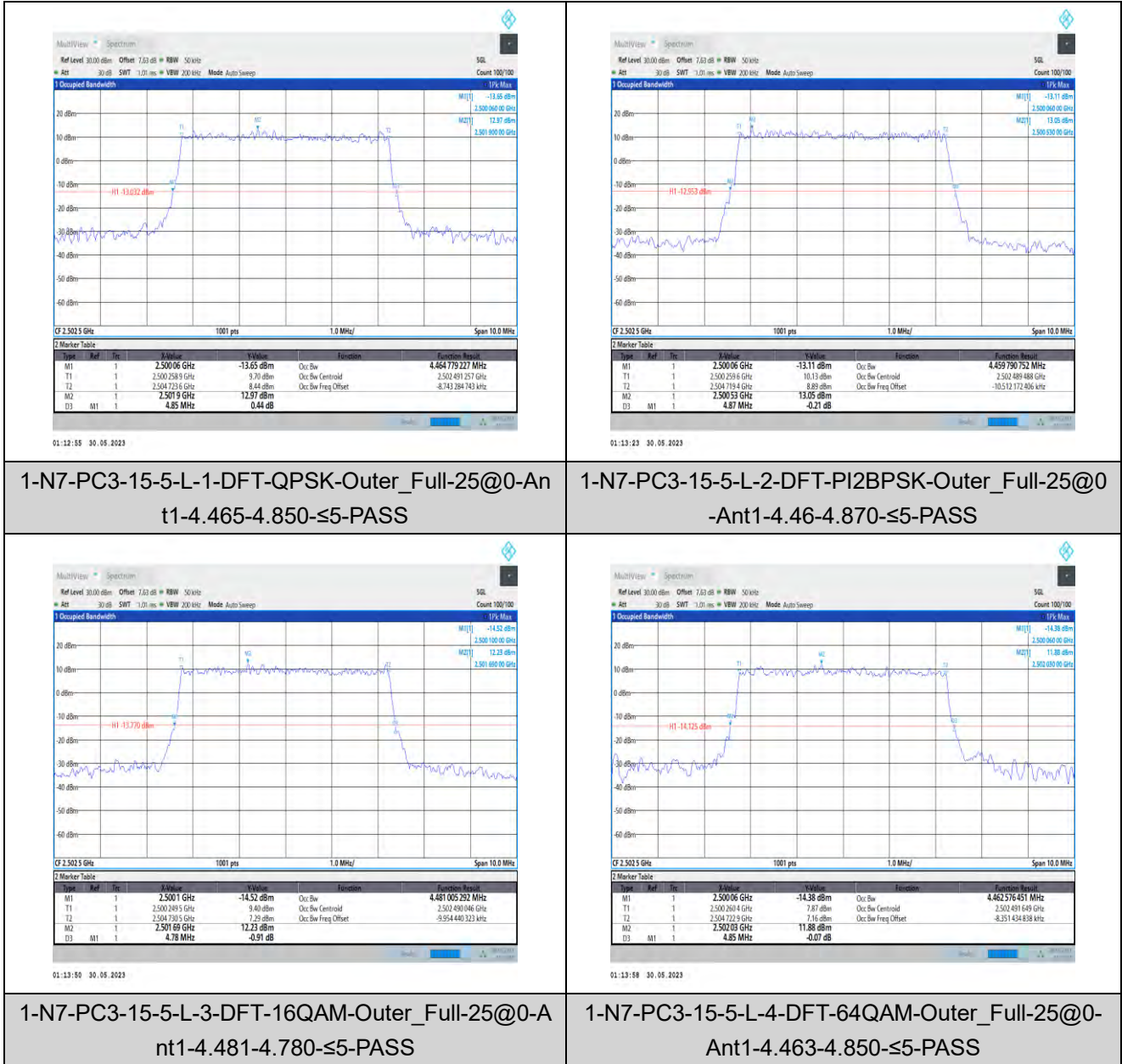
N7	15	15	CP-256QAM	M	Outer_Full	14.091	14.820	PASS
N7	15	15	DFT-QPSK	H	Outer_Full	13.441	14.070	PASS
N7	15	15	DFT-PI2BPSK	H	Outer_Full	13.384	14.220	PASS
N7	15	15	DFT-16QAM	H	Outer_Full	13.402	14.160	PASS
N7	15	15	DFT-64QAM	H	Outer_Full	13.384	14.160	PASS
N7	15	15	DFT-256QAM	H	Outer_Full	13.390	14.190	PASS
N7	15	15	CP-QPSK	H	Outer_Full	14.090	14.820	PASS
N7	15	15	CP-16QAM	H	Outer_Full	14.098	14.790	PASS
N7	15	15	CP-64QAM	H	Outer_Full	14.130	14.850	PASS
N7	15	15	CP-256QAM	H	Outer_Full	14.086	14.760	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	17.882	19.040	PASS
N7	15	20	DFT-PI2BPSK	L	Outer_Full	17.912	18.960	PASS
N7	15	20	DFT-16QAM	L	Outer_Full	17.877	18.880	PASS
N7	15	20	DFT-64QAM	L	Outer_Full	17.897	18.880	PASS
N7	15	20	DFT-256QAM	L	Outer_Full	17.856	18.520	PASS
N7	15	20	CP-QPSK	L	Outer_Full	18.928	19.680	PASS
N7	15	20	CP-16QAM	L	Outer_Full	18.904	19.840	PASS
N7	15	20	CP-64QAM	L	Outer_Full	18.916	19.800	PASS
N7	15	20	CP-256QAM	L	Outer_Full	18.894	19.920	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	17.848	18.680	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	17.875	18.800	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	17.882	18.680	PASS
N7	15	20	DFT-64QAM	M	Outer_Full	17.869	19.040	PASS
N7	15	20	DFT-256QAM	M	Outer_Full	17.827	19.120	PASS
N7	15	20	CP-QPSK	M	Outer_Full	18.883	19.800	PASS
N7	15	20	CP-16QAM	M	Outer_Full	18.929	19.840	PASS
N7	15	20	CP-64QAM	M	Outer_Full	18.835	20.040	PASS
N7	15	20	CP-256QAM	M	Outer_Full	18.905	19.840	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	17.865	18.960	PASS
N7	15	20	DFT-PI2BPSK	H	Outer_Full	17.881	18.960	PASS
N7	15	20	DFT-16QAM	H	Outer_Full	17.894	18.720	PASS
N7	15	20	DFT-64QAM	H	Outer_Full	17.879	18.920	PASS
N7	15	20	DFT-256QAM	H	Outer_Full	17.859	18.960	PASS
N7	15	20	CP-QPSK	H	Outer_Full	18.919	19.800	PASS
N7	15	20	CP-16QAM	H	Outer_Full	18.937	19.800	PASS
N7	15	20	CP-64QAM	H	Outer_Full	18.925	19.720	PASS
N7	15	20	CP-256QAM	H	Outer_Full	18.838	19.920	PASS



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Test Graphs



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1-N7-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.457-4.750-≤5-PASS

1-N7-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant 1-4.466-4.820-≤5-PASS



1-N7-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant 1-4.471-4.820-≤5-PASS

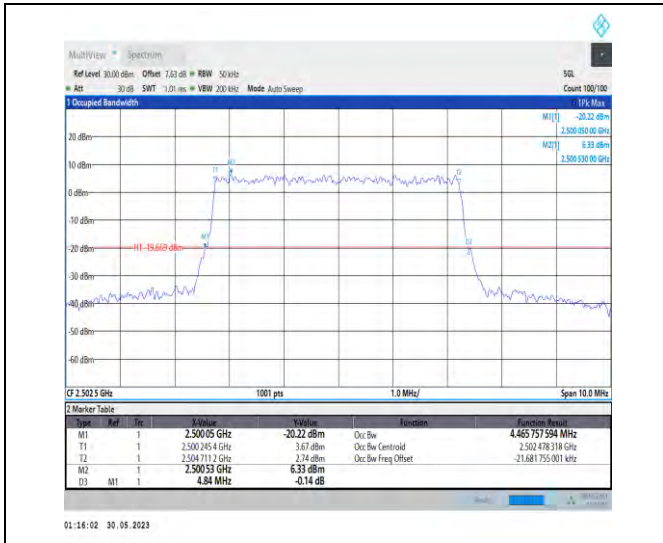
1-N7-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant 1-4.485-4.830-≤5-PASS



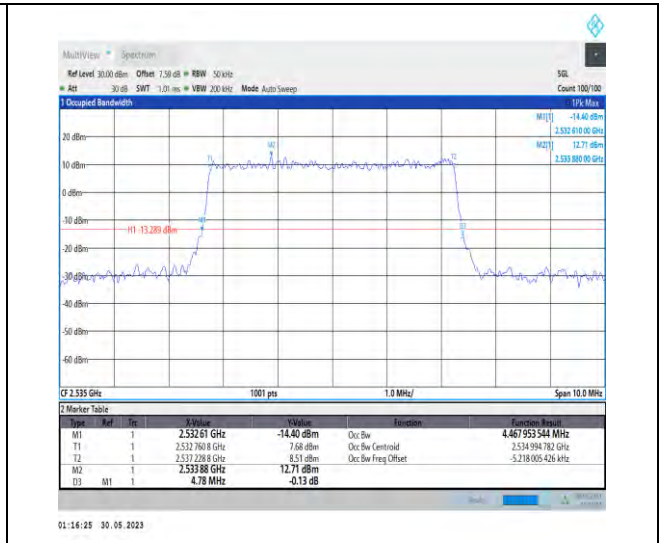
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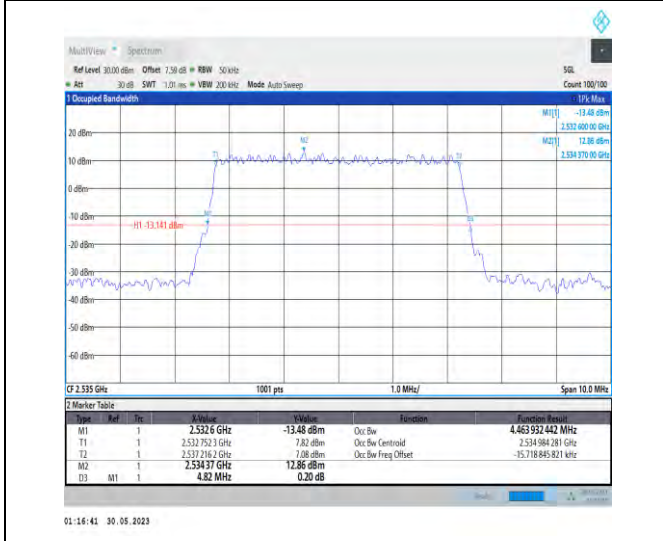
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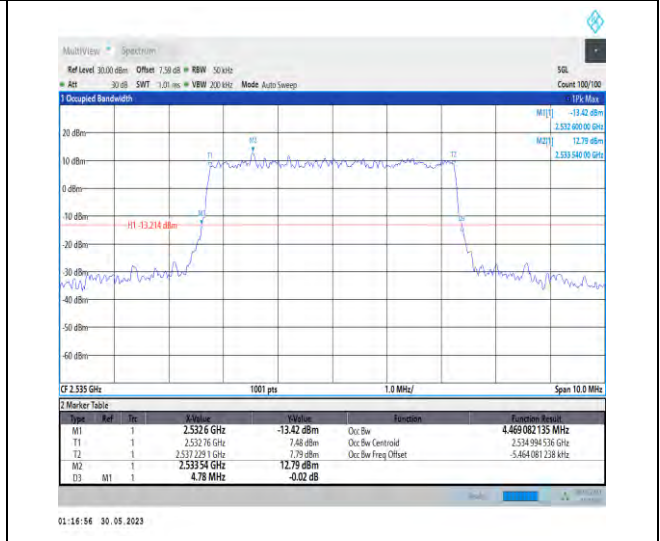
1-N7-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-A
 nt1-4.466-4.840-≤5-PASS



1-N7-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-A
 nt1-4.468-4.780-≤5-PASS



1-N7-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0
 -Ant1-4.464-4.820-≤5-PASS



1-N7-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-
 Ant1-4.469-4.780-≤5-PASS



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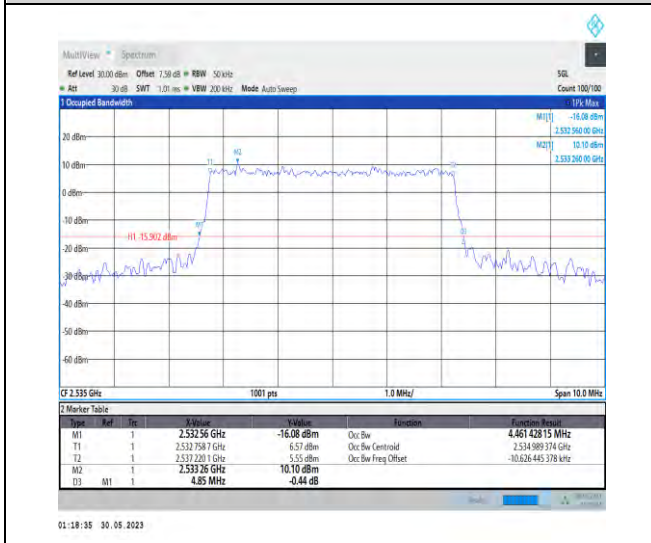
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1-N7-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.461-4.860-≤5-PASS



1-N7-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.458-4.830-≤5-PASS



1-N7-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.461-4.850-≤5-PASS

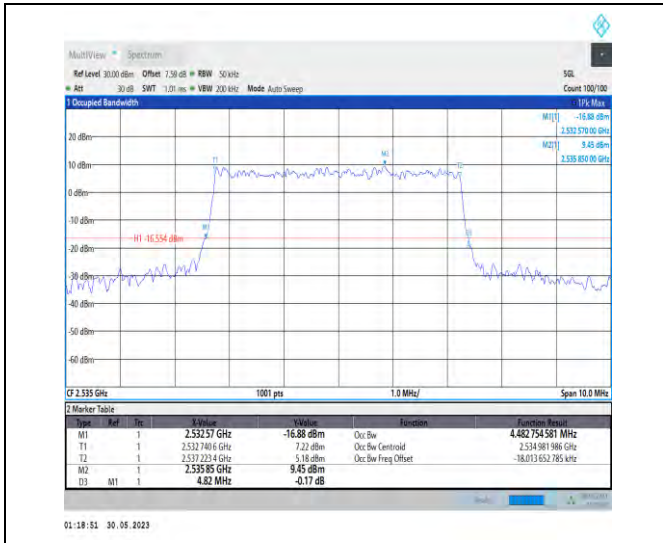


1-N7-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.475-4.870-≤5-PASS



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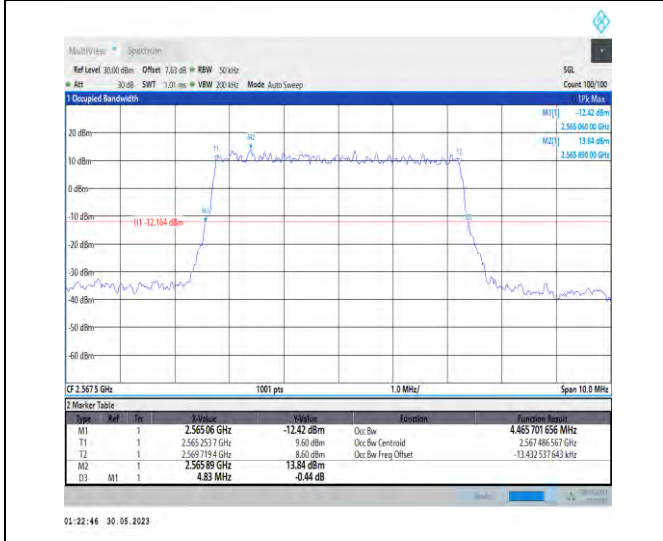
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1-N7-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-A
 nt1-4.483-4.820-≤5-PASS



1-N7-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-A
 nt1-4.471-4.840-≤5-PASS



1-N7-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-A
 Ant1-4.466-4.830-≤5-PASS



1-N7-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-A
 Ant1-4.472-4.790-≤5-PASS



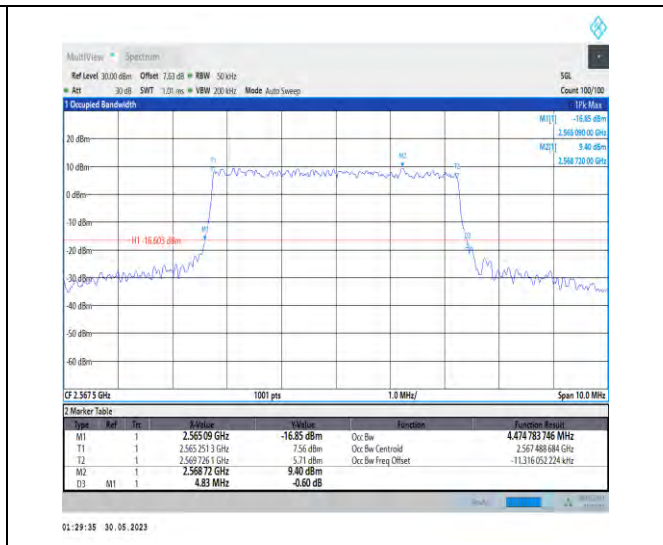
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1-N7-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-
 Ant1-4.469-4.790-≤5-PASS



1-N7-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-A
 Ant1-4.475-4.830-≤5-PASS



1-N7-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-A
 Ant1-4.477-4.870-≤5-PASS



1-N7-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-
 Ant1-4.459-4.810-≤5-PASS



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1-N7-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-A
 nt1-8.93-9.520-≤10-PASS



1-N7-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.91-9.700-≤10-PASS



1-N7-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.943-9.580-≤10-PASS



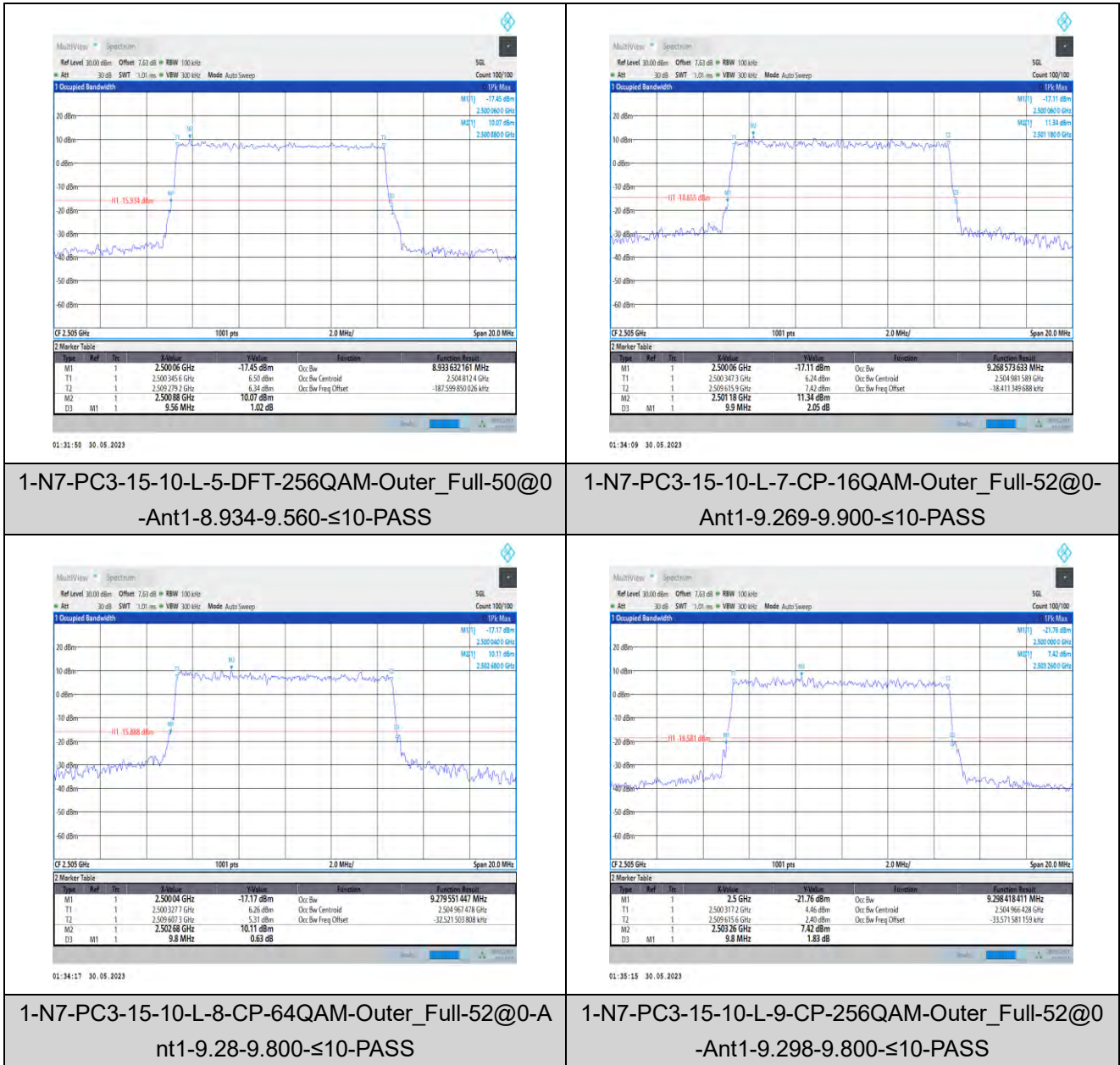
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1-N7-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.934-9.560-≤10-PASS

1-N7-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.269-9.900-≤10-PASS

1-N7-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.28-9.800-≤10-PASS

1-N7-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.298-9.800-≤10-PASS



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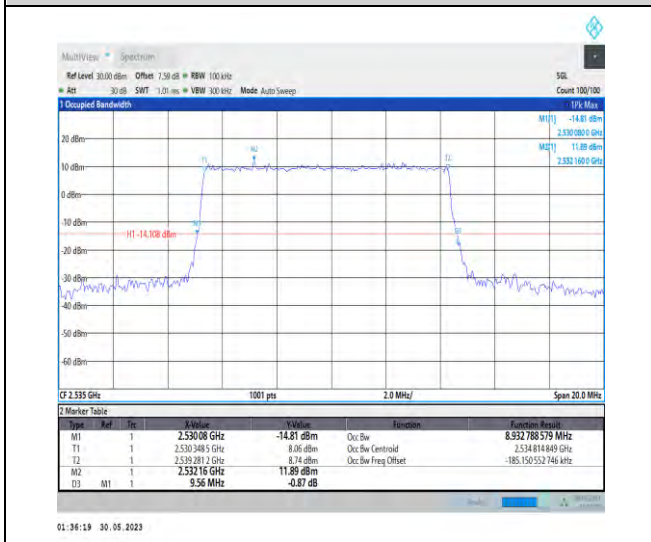
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1-N7-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.91-9.520-<=10-PASS



1-N7-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.893-9.540-<=10-PASS



1-N7-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.933-9.560-<=10-PASS



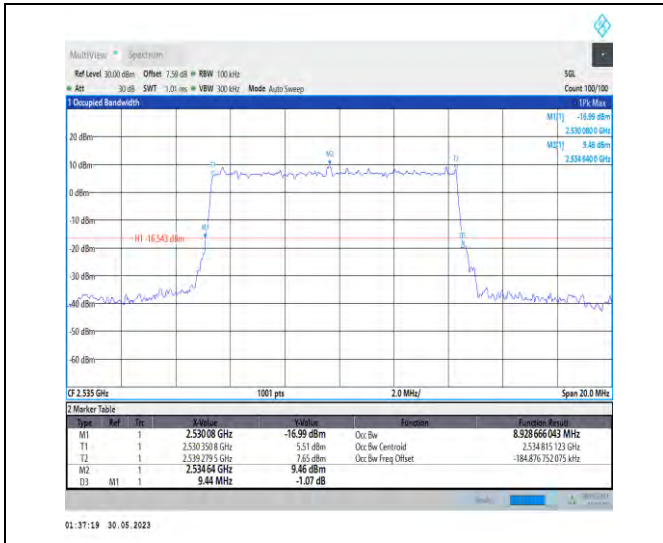
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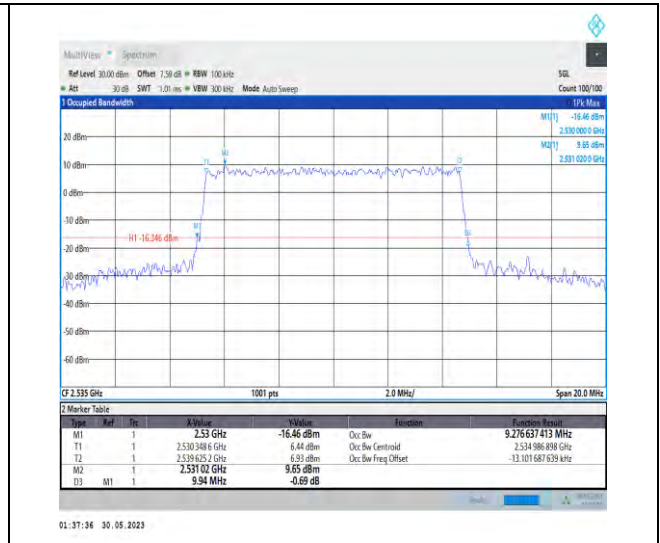
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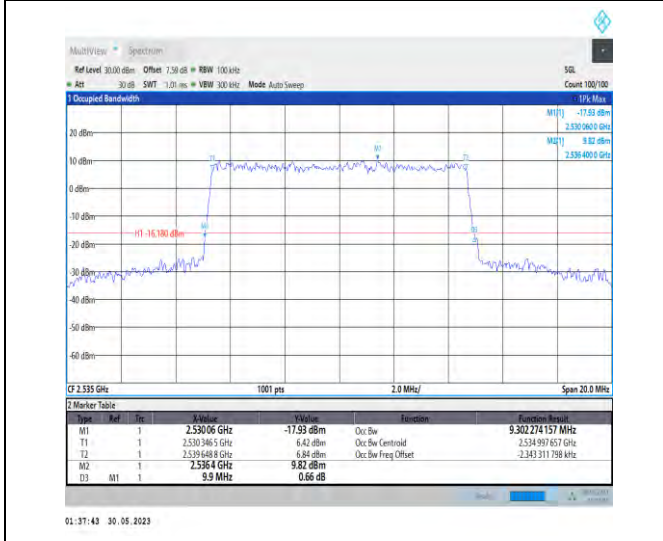
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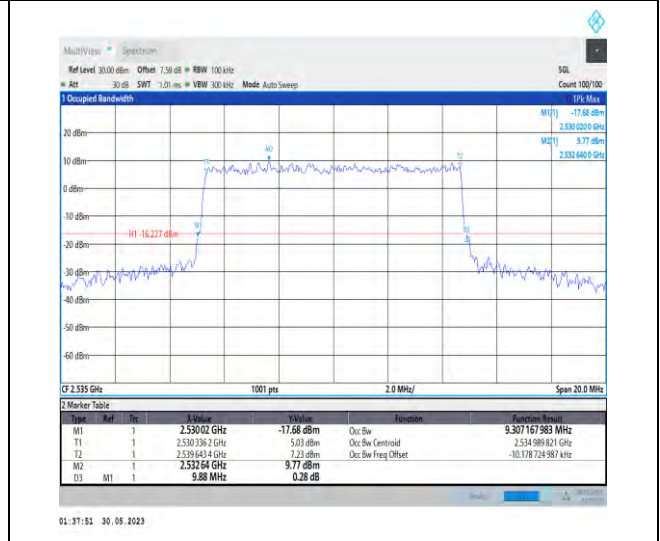
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1-N7-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
 Ant1-9.277-9.940-≤10-PASS



1-N7-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-A
 nt1-9.302-9.900-≤10-PASS



1-N7-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-
 Ant1-9.307-9.880-≤10-PASS



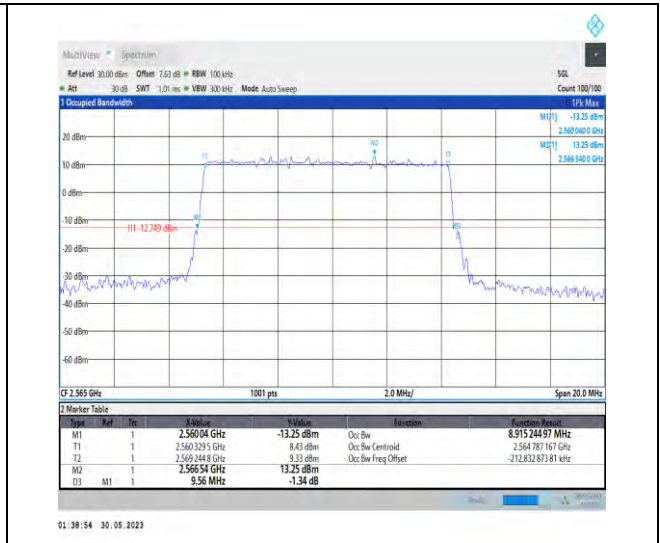
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1-N7-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-
 Ant1-9.289-9.840-≤10-PASS



1-N7-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-
 Ant1-8.915-9.560-≤10-PASS



1-N7-PC3-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-
 Ant1-8.907-9.440-≤10-PASS

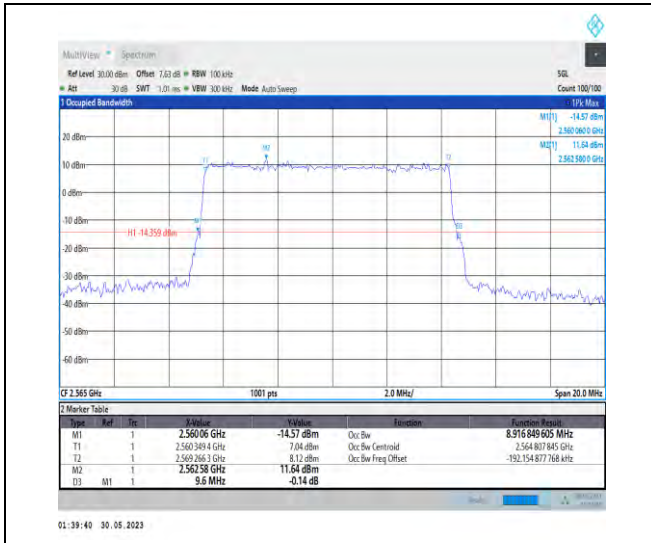


1-N7-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@0-
 Ant1-8.938-9.580-≤10-PASS



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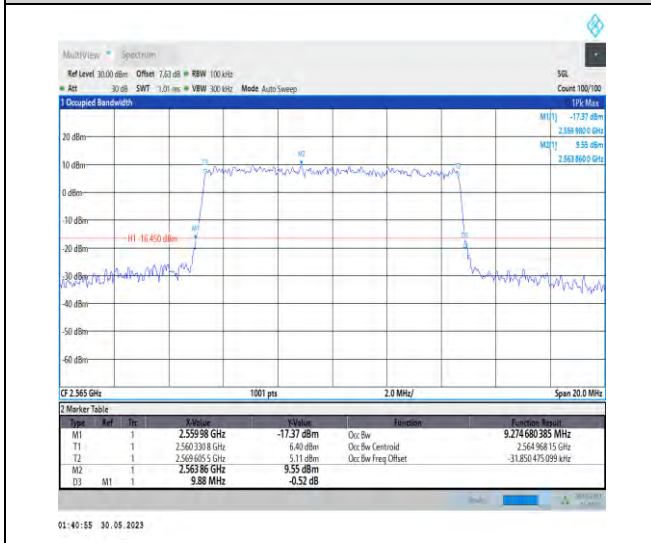
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1-N7-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.917-9.600-≤10-PASS



1-N7-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.918-9.400-≤10-PASS



1-N7-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.275-9.880-≤10-PASS



1-N7-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.294-9.800-≤10-PASS



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1-N7-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-A
 nt1-9.261-9.860-≤10-PASS



1-N7-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-
 Ant1-13.427-14.130-≤15-PASS



1-N7-PC3-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0
 -Ant1-13.427-14.160-≤15-PASS



1-N7-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0
 -Ant1-13.42-14.070-≤15-PASS



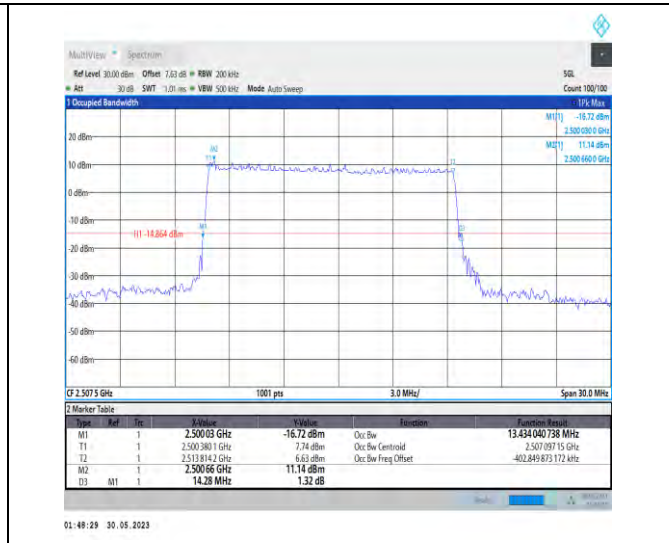
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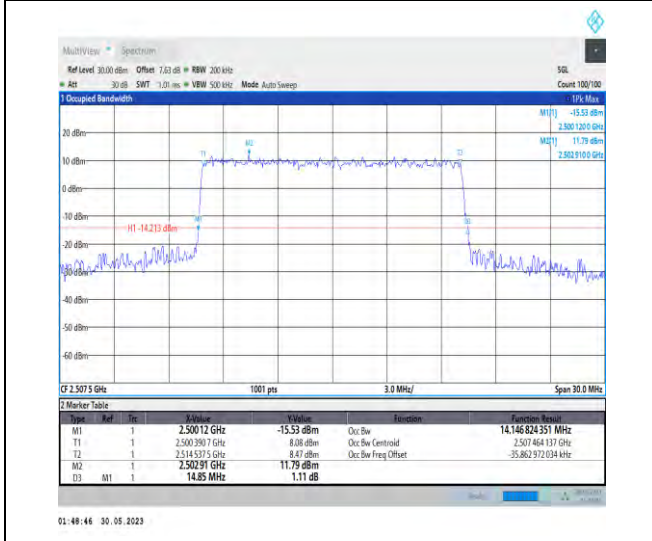
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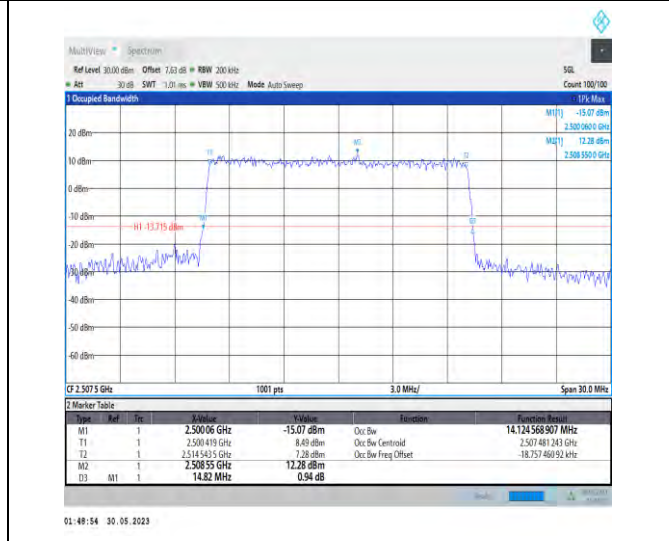
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1-N7-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.434-14.280-≤15-PASS



1-N7-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.147-14.850-≤15-PASS



1-N7-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.125-14.820-≤15-PASS



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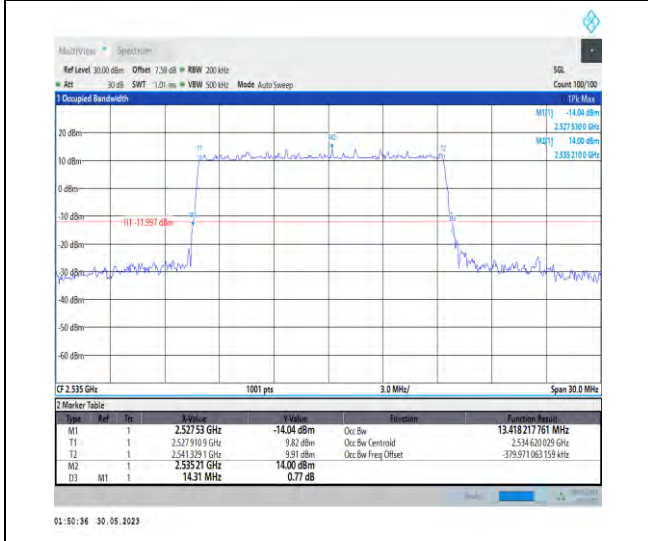
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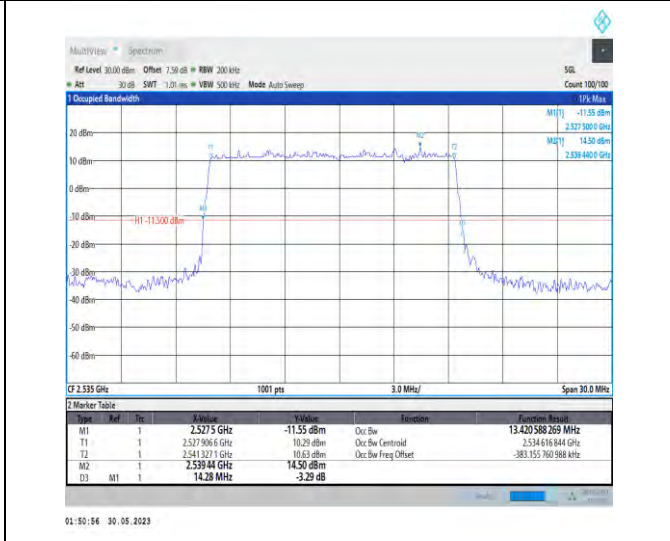
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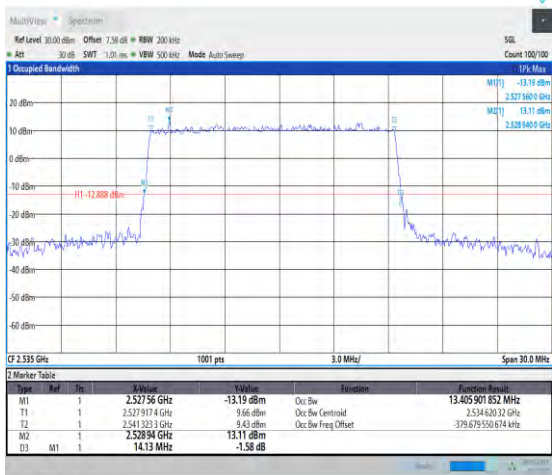


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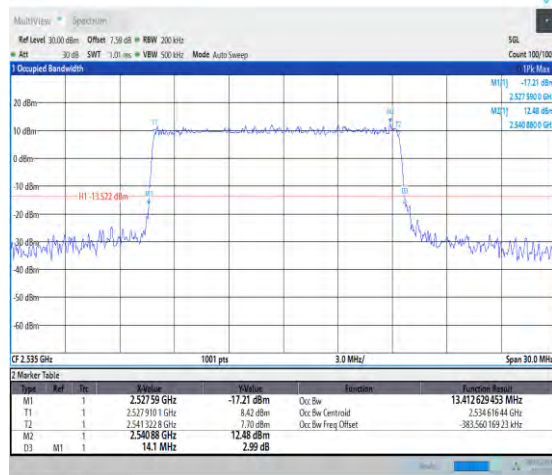


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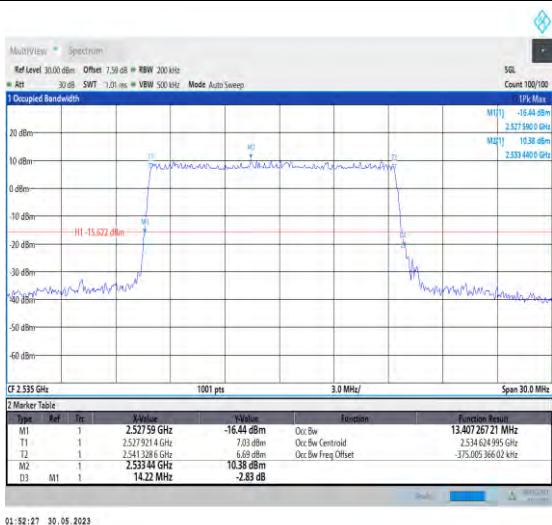




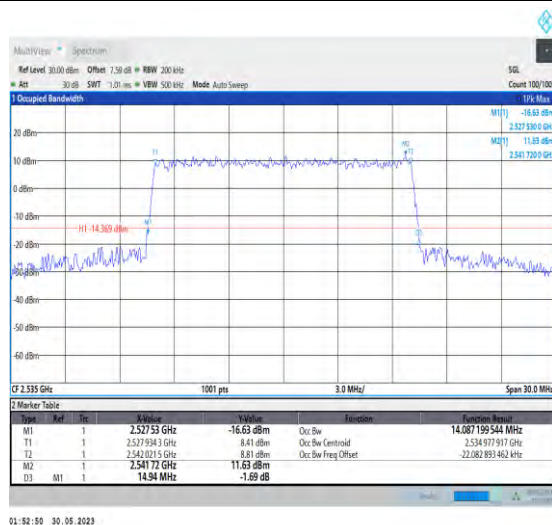
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1-N7-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.407-14.220-≤15-PASS



1-N7-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.087-14.940-≤15-PASS



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1-N7-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-
 Ant1-14.086-14.730-≤15-PASS



1-N7-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-
 Ant1-14.128-14.910-≤15-PASS



1-N7-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0
 -Ant1-14.091-14.820-≤15-PASS



1-N7-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-
 Ant1-13.441-14.070-≤15-PASS



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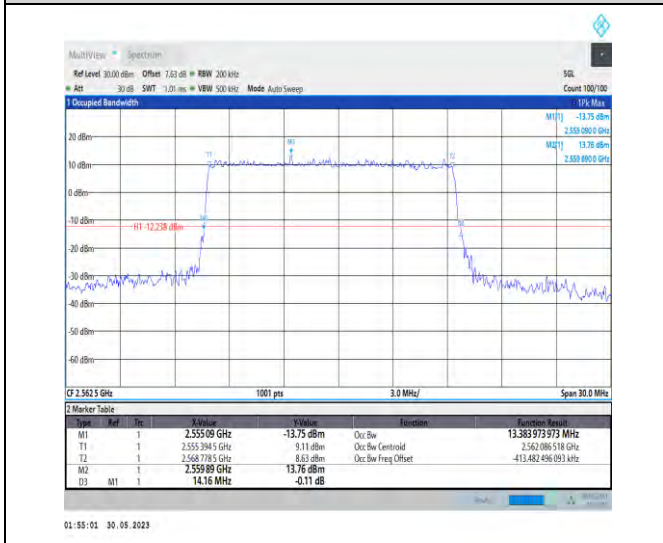
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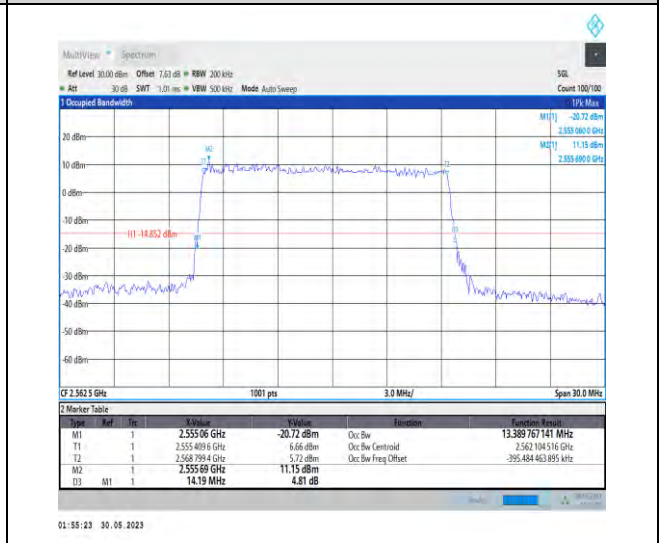
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1-N7-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@
 0-Ant1-13.39-14.190-≤15-PASS



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1-N7-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-A
 Ant1-14.09-14.820≤15-PASS



1-N7-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-A
 Ant1-14.098-14.790≤15-PASS



1-N7-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-A
 Ant1-14.13-14.850≤15-PASS



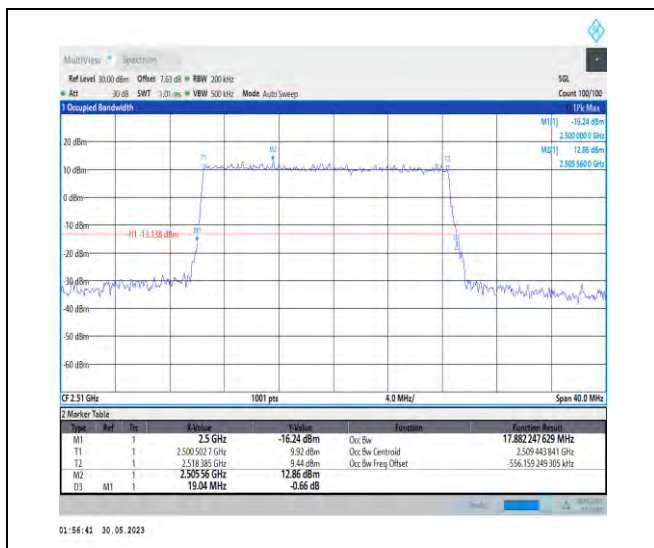
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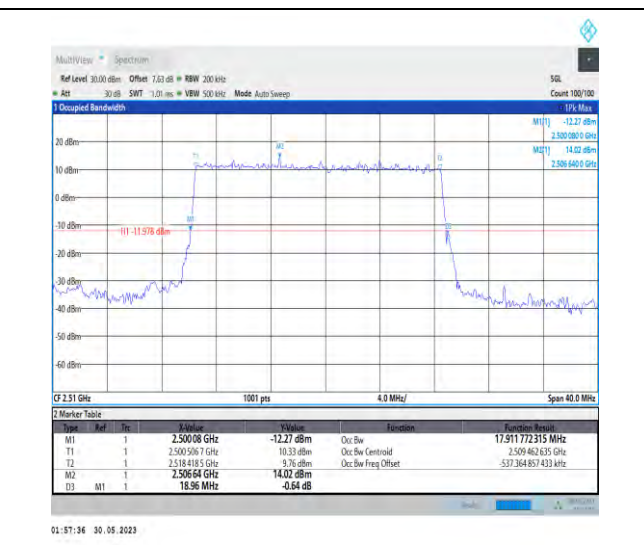
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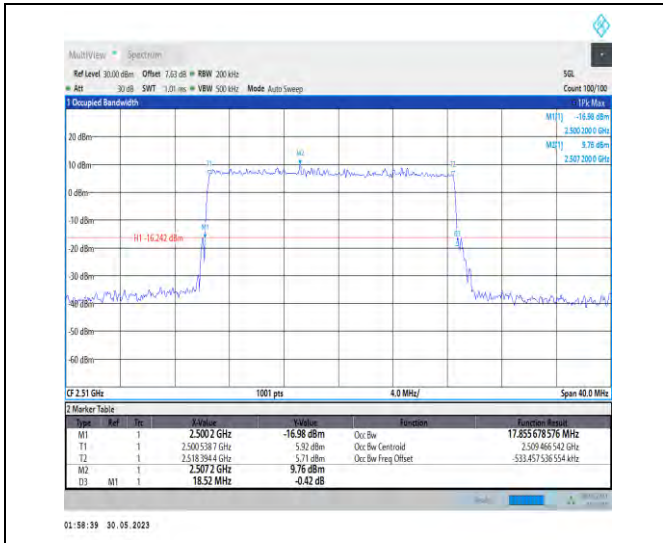
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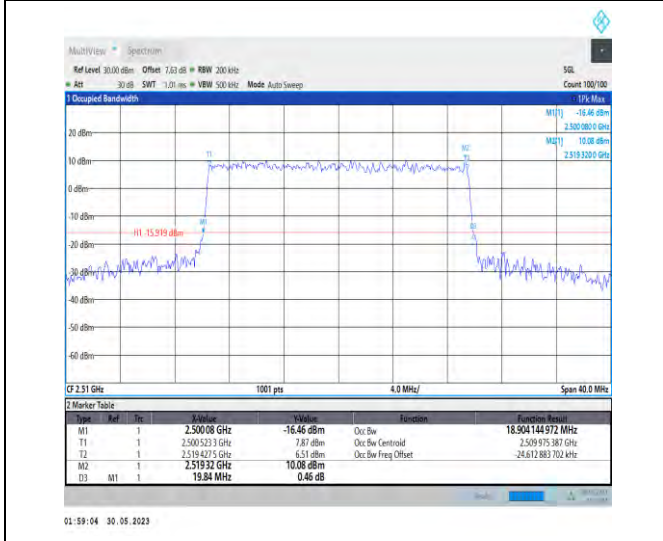
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1-N7-PC3-15-20-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.856-18.520-≤20-PASS



1-N7-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-18.928-19.680-≤20-PASS



1-N7-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1-18.904-19.840-≤20-PASS



1-N7-PC3-15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant1-18.916-19.800-≤20-PASS



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1-N7-PC3-15-20-L-9-CP-256QAM-Outer_Full-106@0
 -Ant1-18.894-19.920-≤20-PASS



1-N7-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0
 -Ant1-17.848-18.680-≤20-PASS



1-N7-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100
 @0-Ant1-17.875-18.800-≤20-PASS



1-N7-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100
 @0-Ant1-17.882-18.680-≤20-PASS



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1-N7-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@
0-Ant1-17.869-19.040-≤20-PASS



1-N7-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100
@0-Ant1-17.827-19.120-≤20-PASS



1-N7-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-
Ant1-18.883-19.800-≤20-PASS



1-N7-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0
-Ant1-18.929-19.840-≤20-PASS

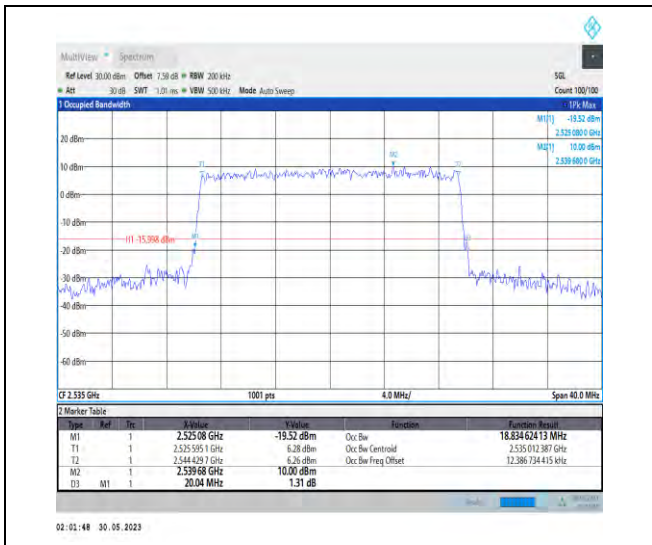


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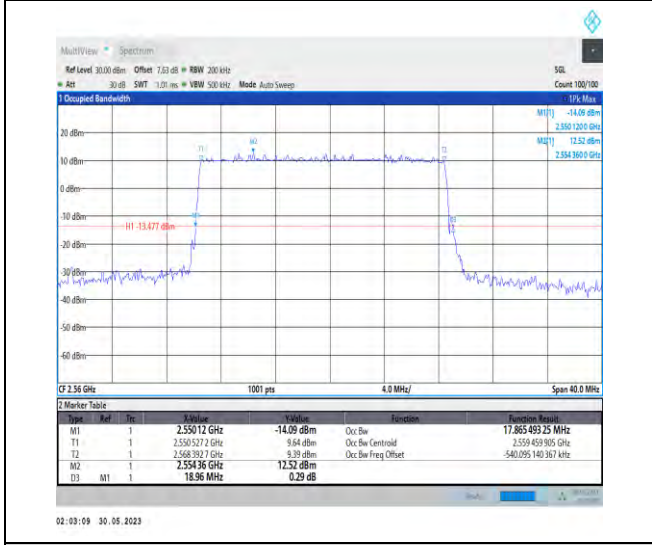
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1-N7-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@
 0-Ant1-18.835-20.040-≤20-PASS



1-N7-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@
 0-Ant1-18.905-19.840-≤20-PASS



1-N7-PC3-15-20-H-1-DFT-QPSK-Outer_Full-100@
 0-Ant1-17.865-18.960-≤20-PASS



1-N7-PC3-15-20-H-2-DFT-PI2BPSK-Outer_Full-100
 @0-Ant1-17.881-18.960-≤20-PASS



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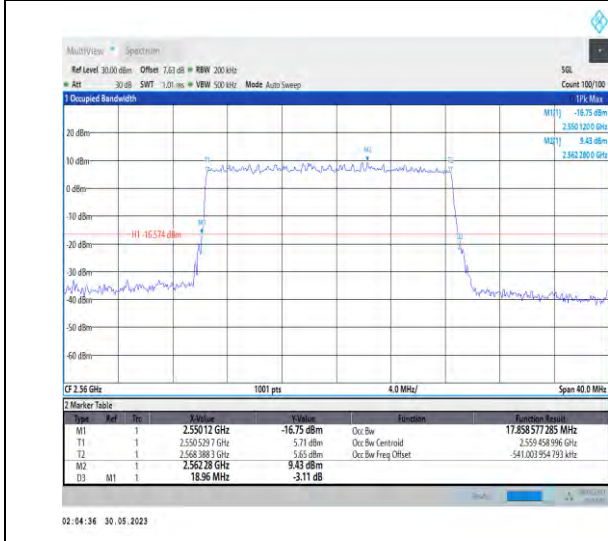
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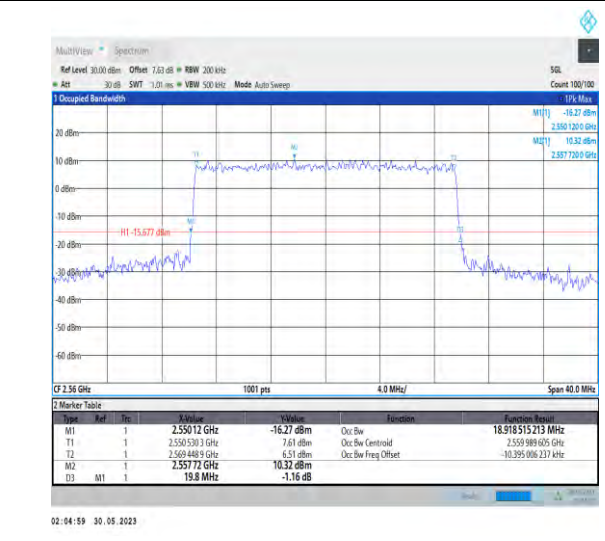
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 0-Ant1-17.894-18.720-≤20-PASS



1-N7-PC3-15-20-H-4-DFT-64QAM-Outer_Full-100@
 0-Ant1-17.879-18.920-≤20-PASS



1-N7-PC3-15-20-H-5-DFT-256QAM-Outer_Full-100
 @0-Ant1-17.859-18.960-≤20-PASS



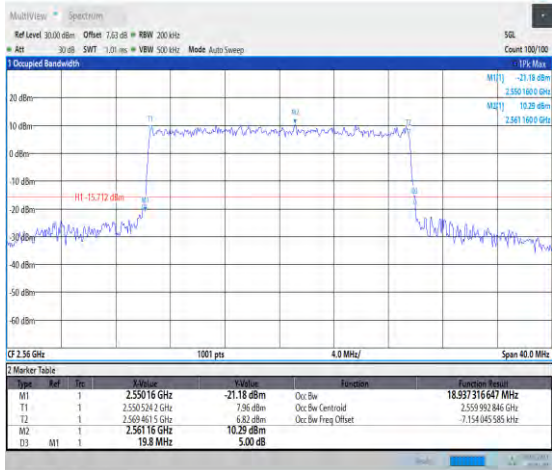
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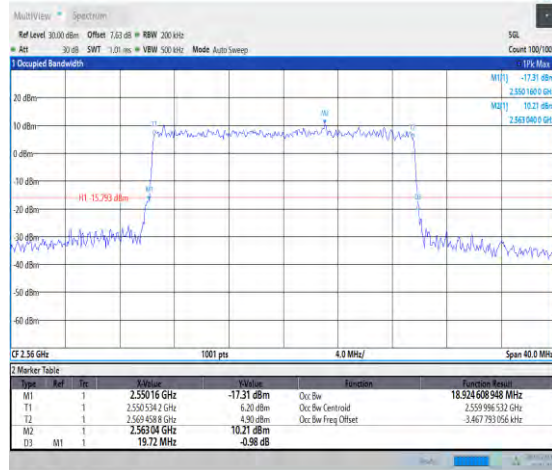
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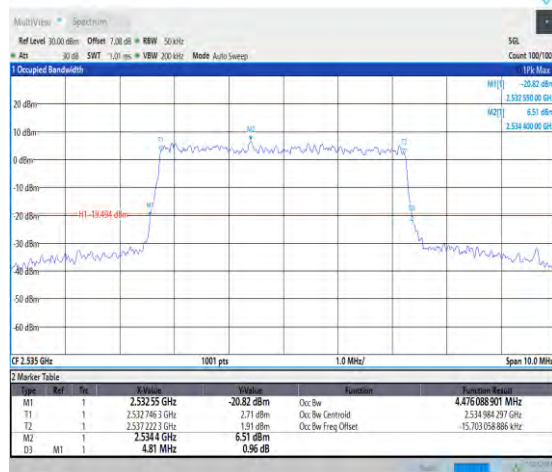
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1-N7-PC3-15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant1-18.925-19.720-<=20-PASS



1-N7-PC3-15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant1-18.838-19.920-<=20-PASS



1-N7-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.476-4.810-<=5-PASS



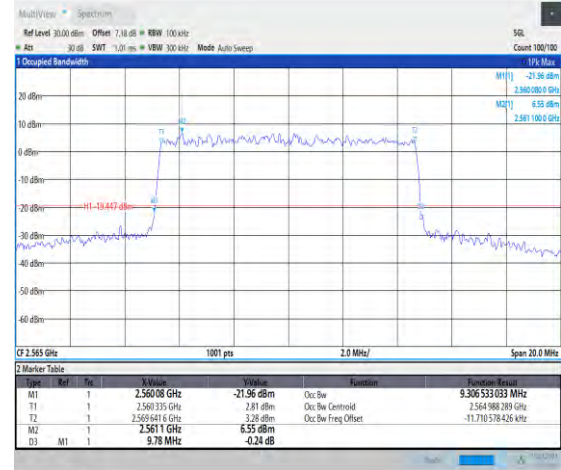
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1-N7-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-A
 nt1-9.296-9.780-≤10-PASS



1-N7-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-A
 Ant1-9.307-9.780-≤10-PASS

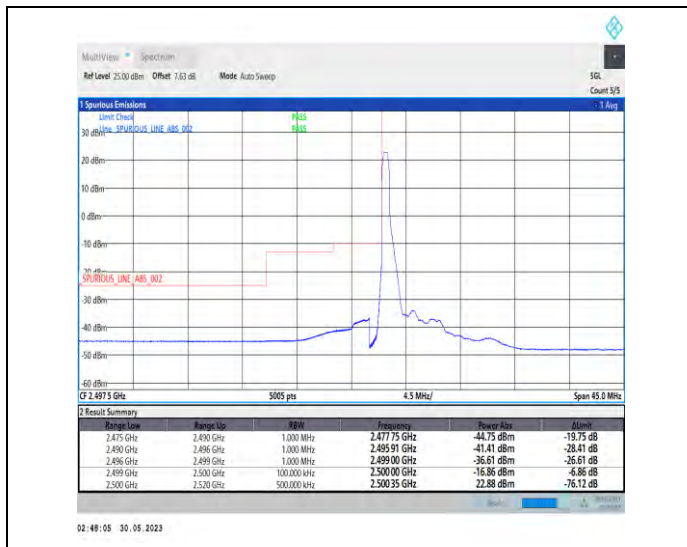


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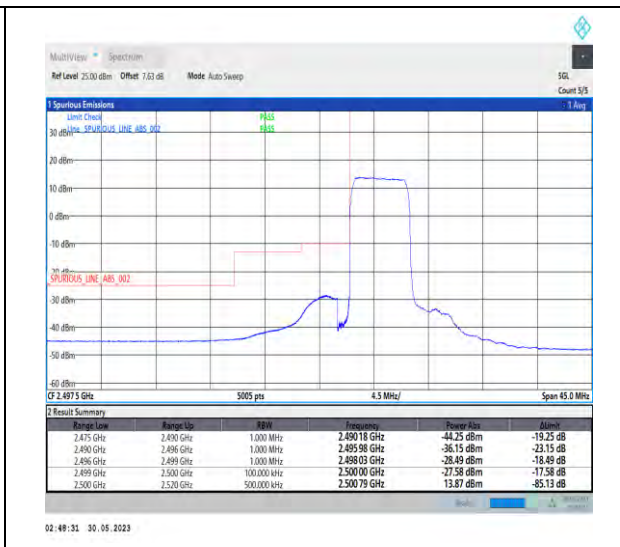
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Band Edge for SA

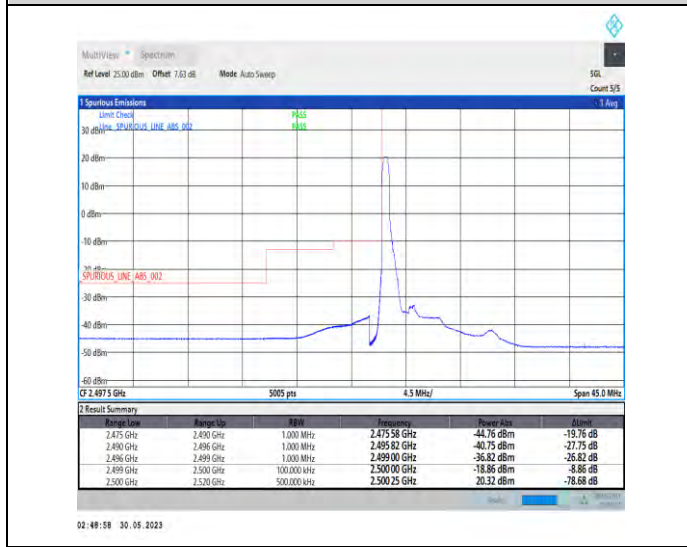
Test Graphs



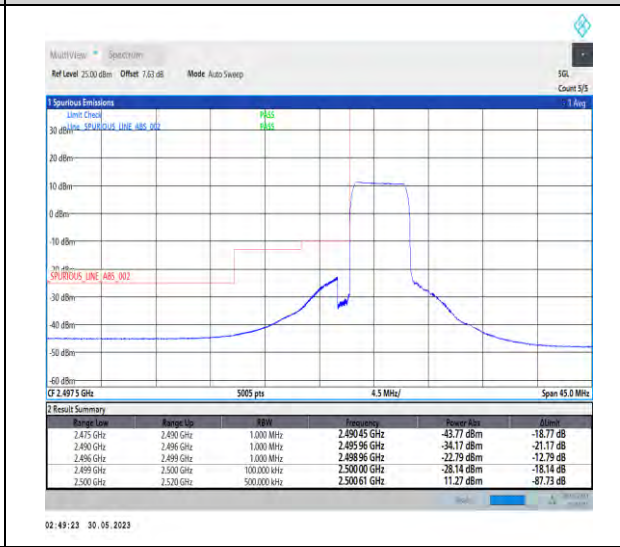
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1-N7-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



1-N7-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



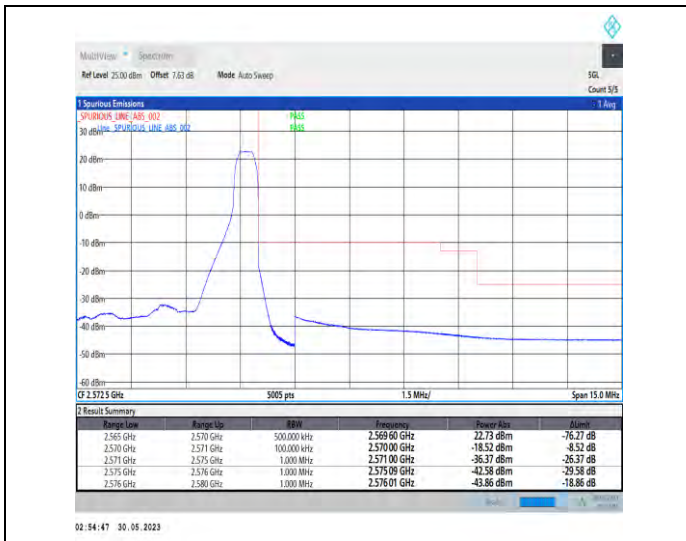
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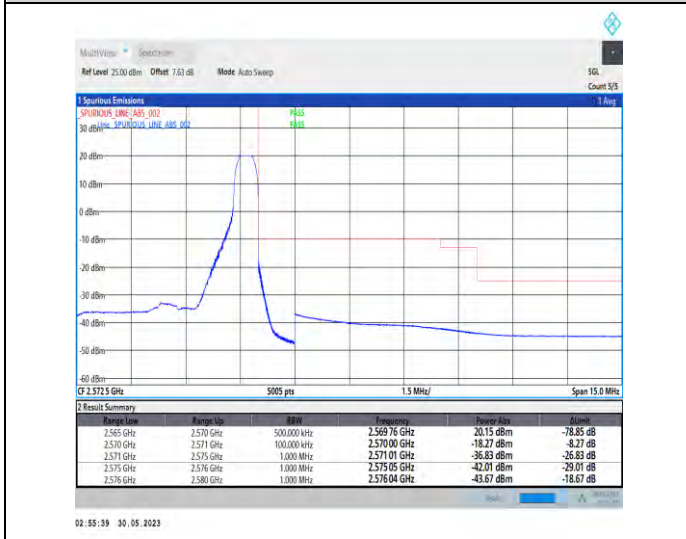
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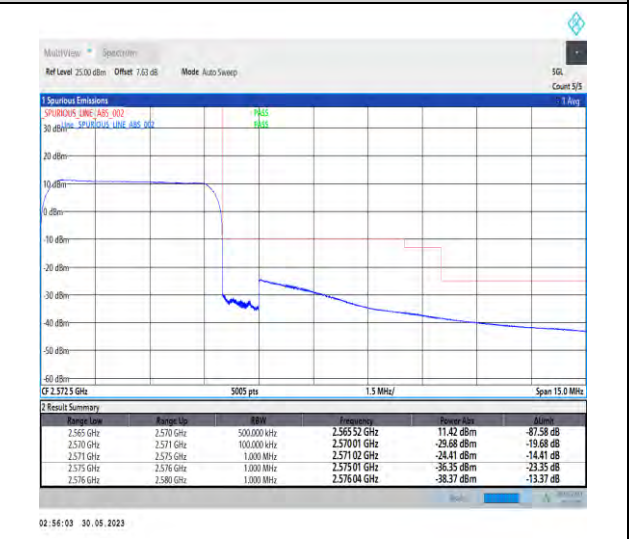
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1-N7-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@2 4-Ant1-1--PASS-see graph



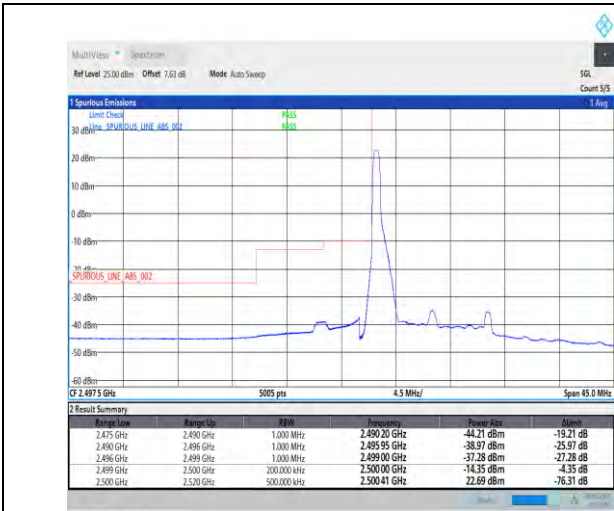
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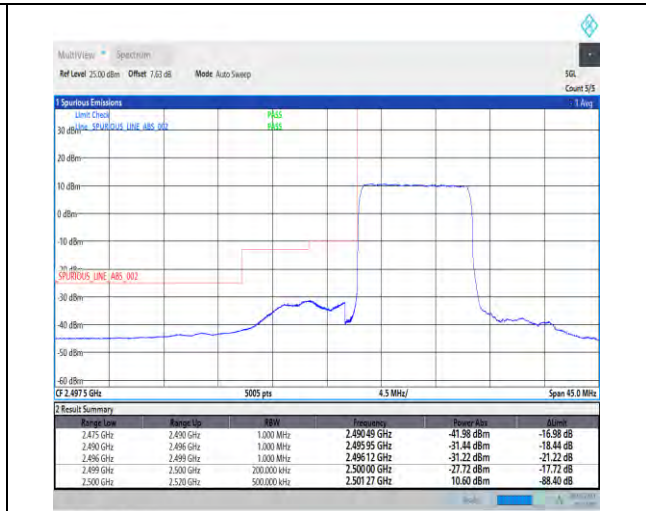
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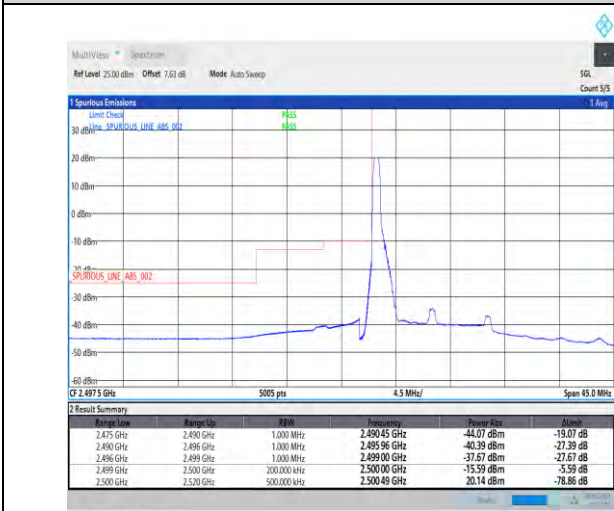
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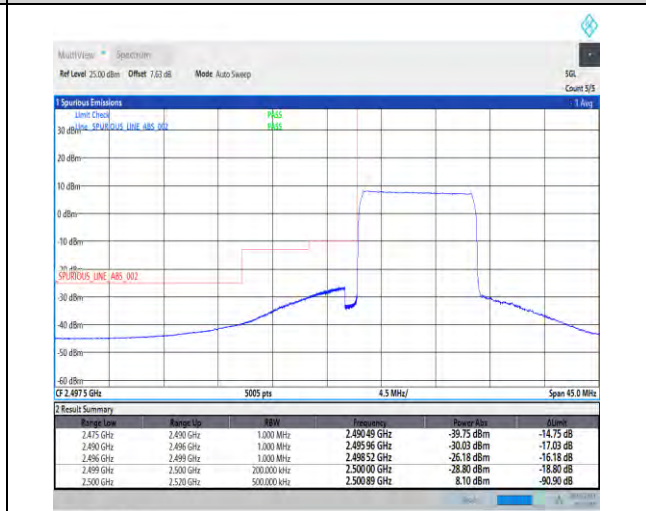
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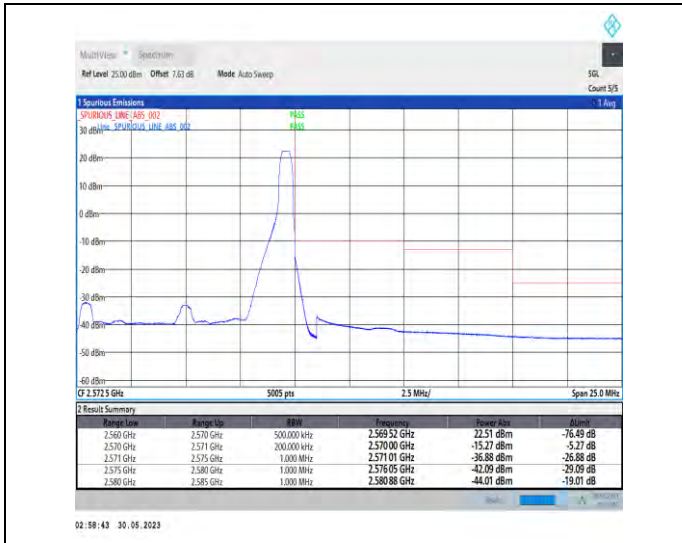


1-N7-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-
 Ant1-1--PASS-see graph



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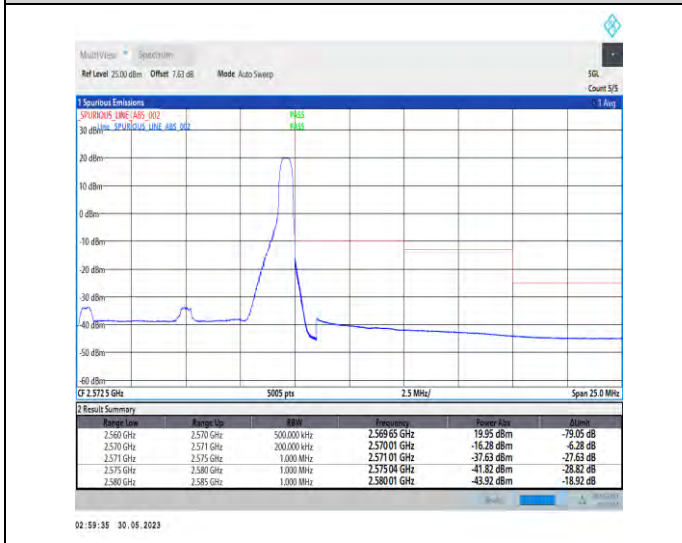
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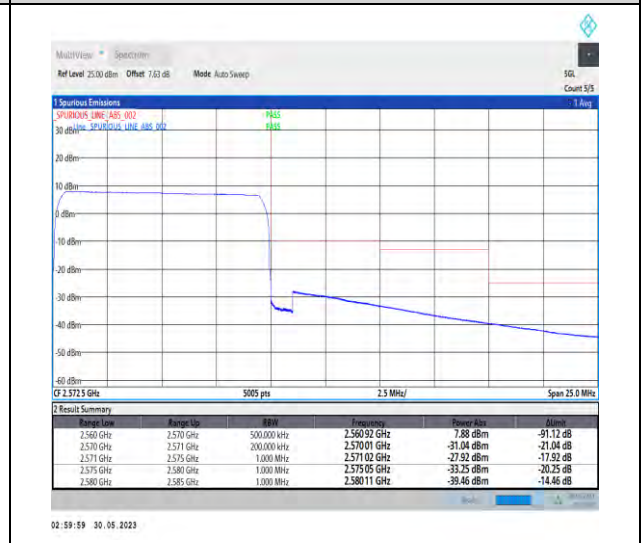
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1-N7-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N7-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph



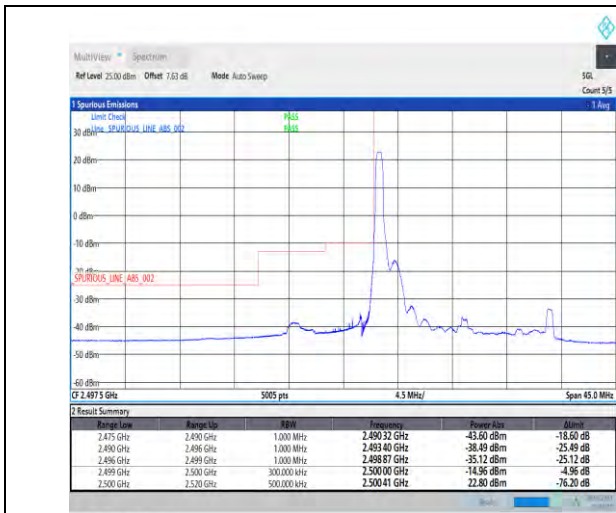
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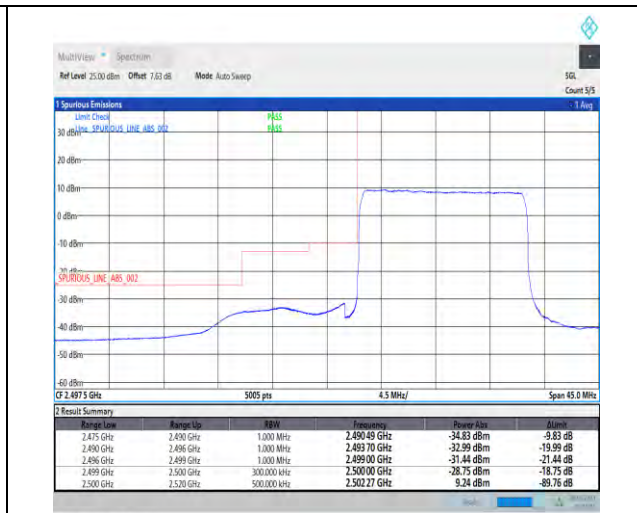
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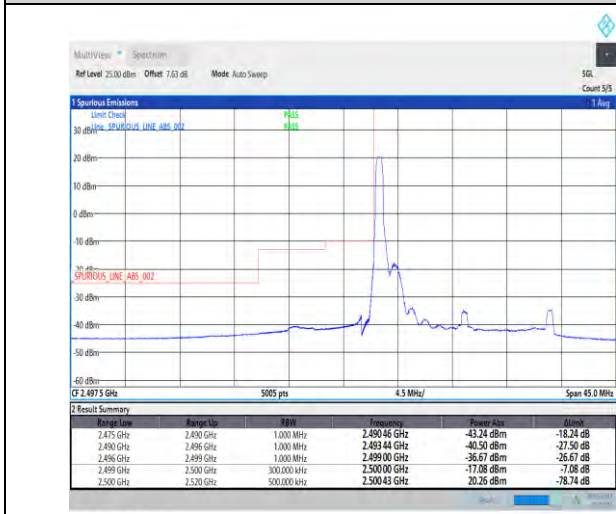
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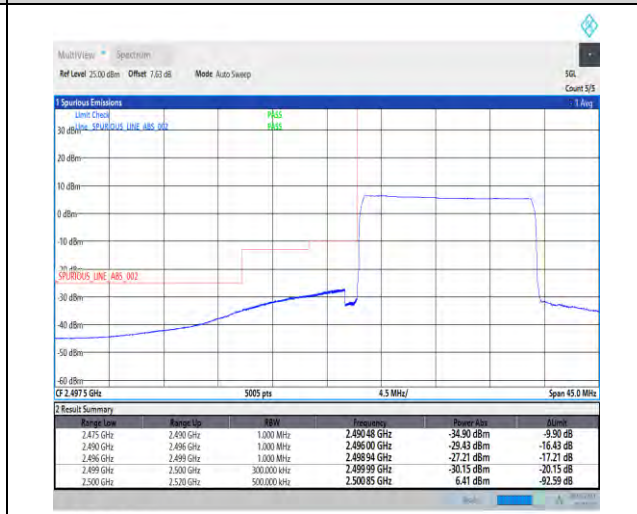
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1-N7-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75
 @0-Ant1-1--PASS-see graph



1-N7-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N7-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1--PASS-see graph



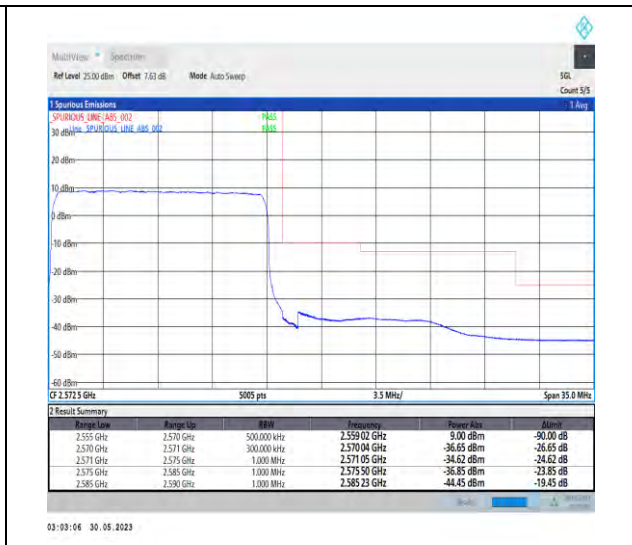
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1-N7-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-1--PASS-see graph



1-N7-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N7-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1--PASS-see graph

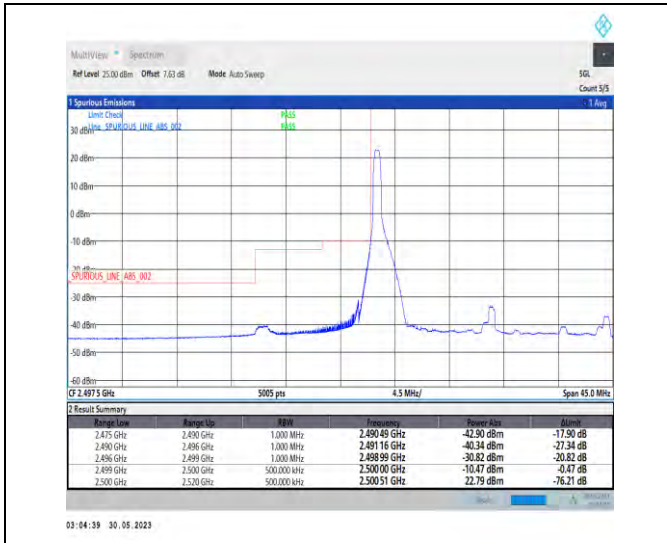


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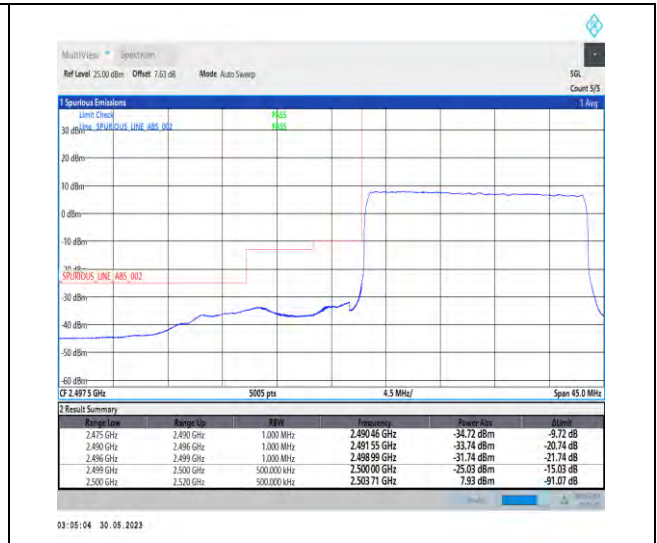


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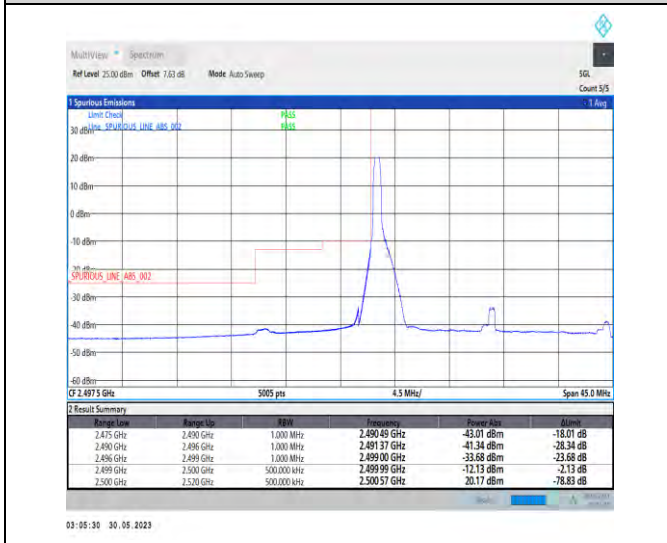
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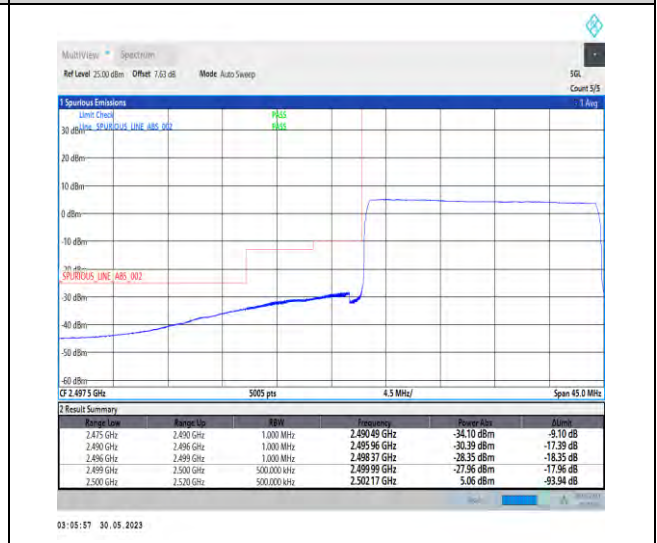
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1-N7-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N7-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



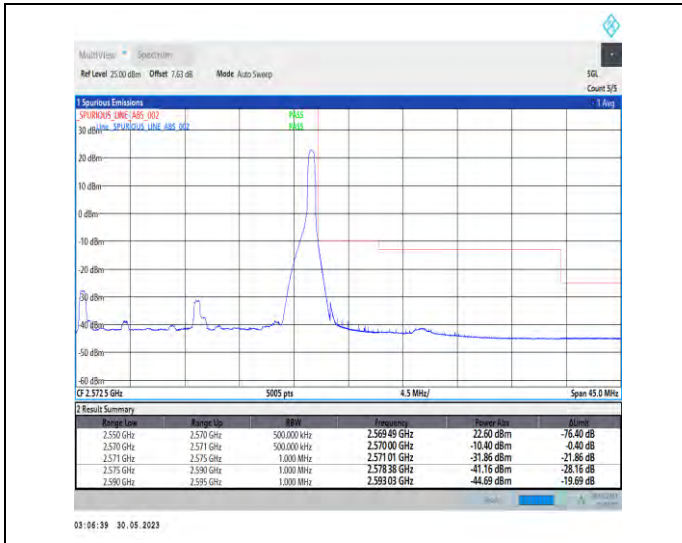
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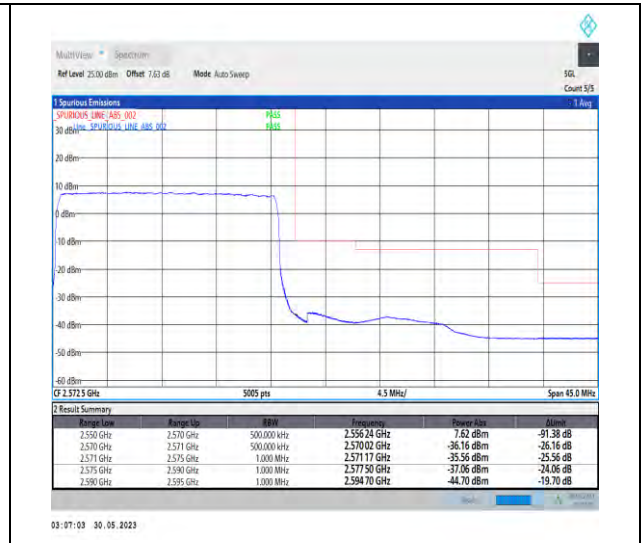
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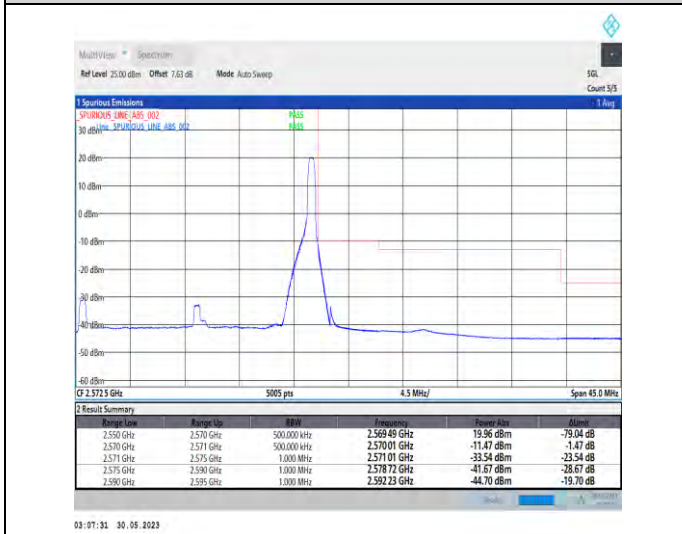
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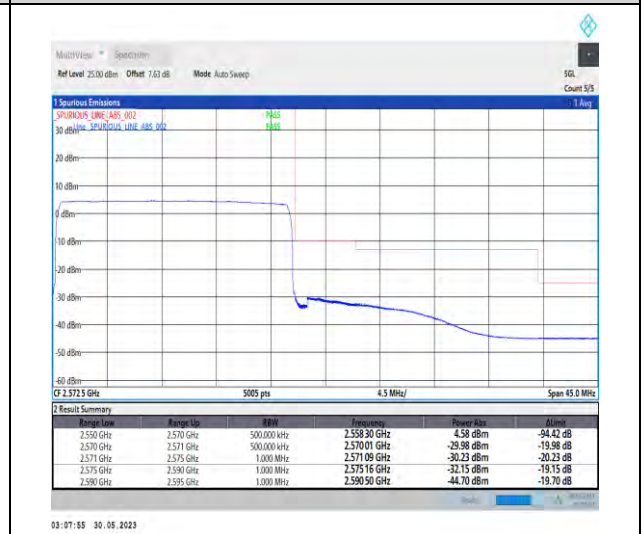
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1-N7-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N7-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



1-N7-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



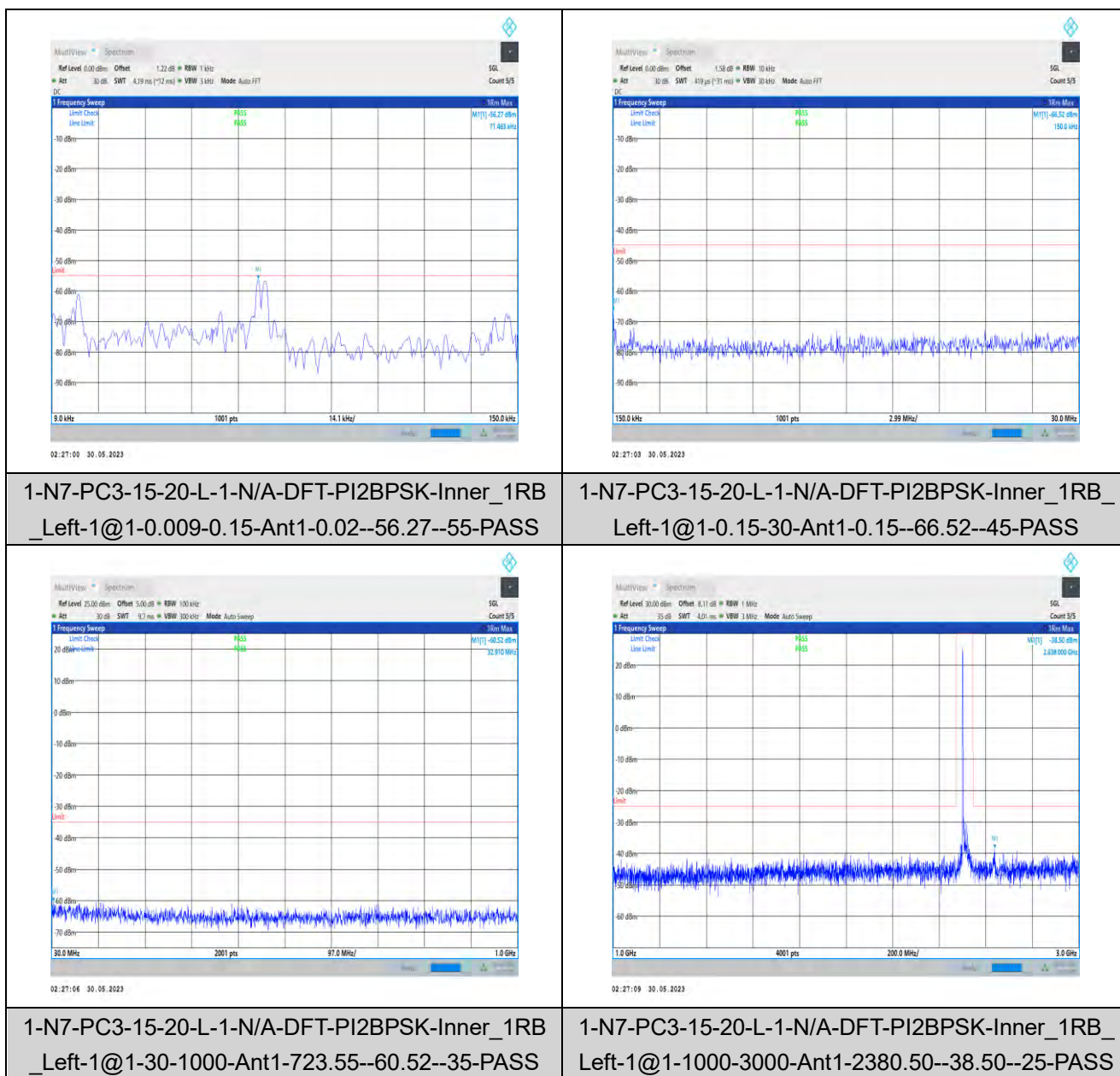
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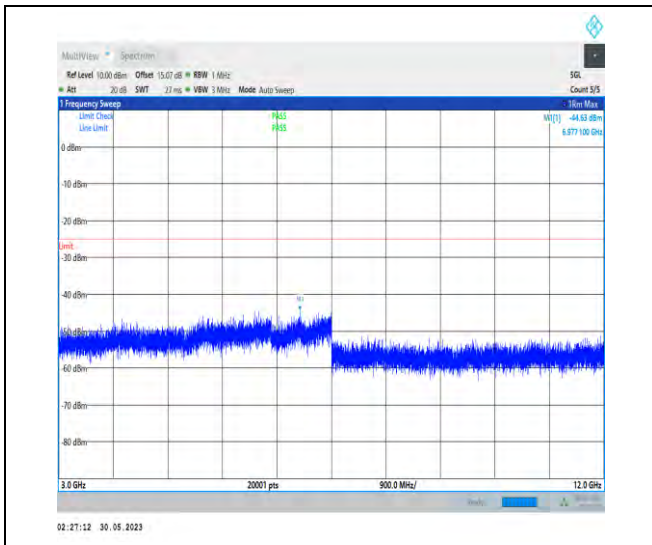
Test Graphs



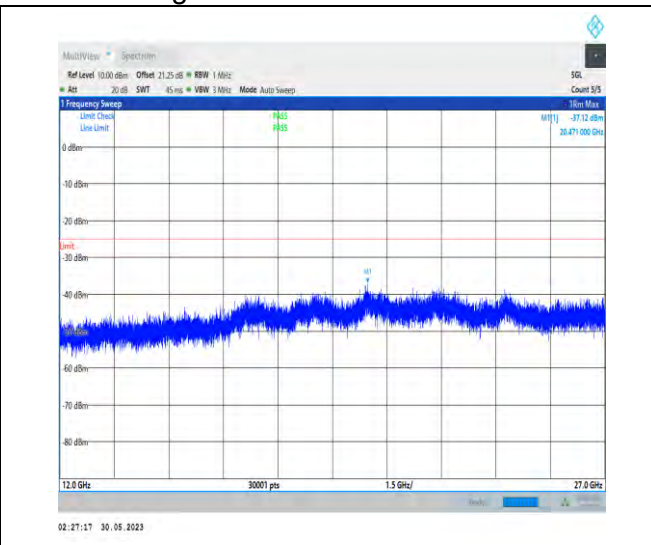
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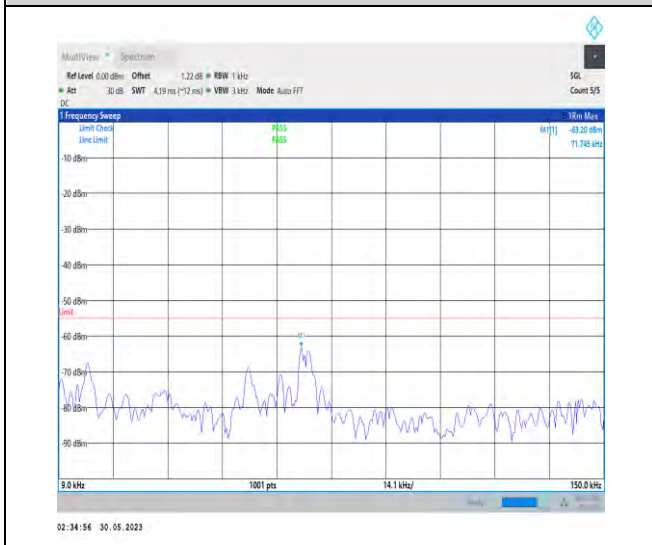
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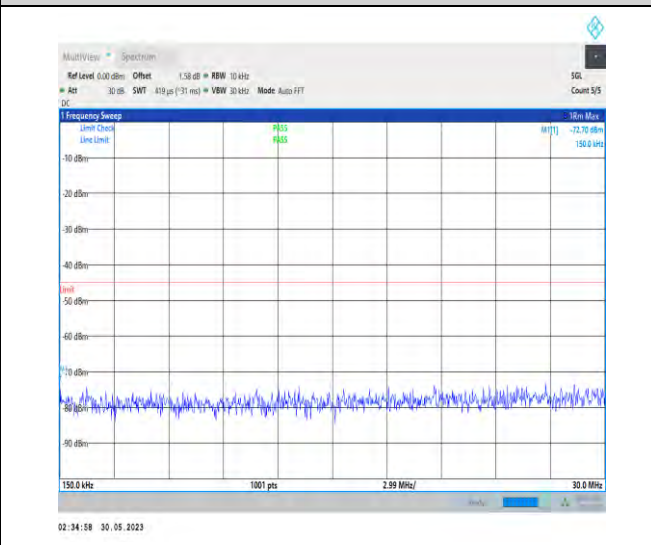
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1-N7-PC3-15-20-L-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant1-20472.50--37.12--25-PA SS



1-N7-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--63.20--55-PASS

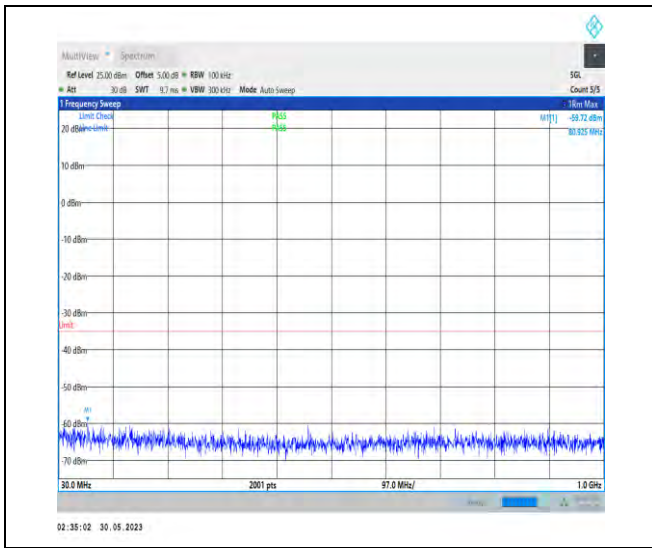


1-N7-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--72.70--45-PASS

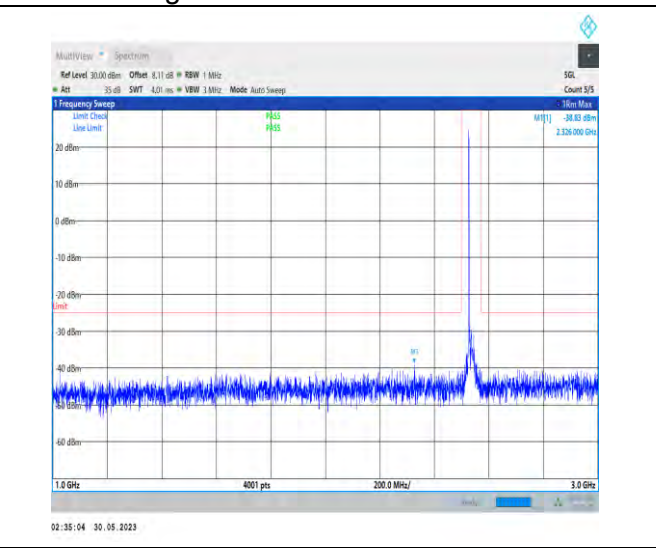


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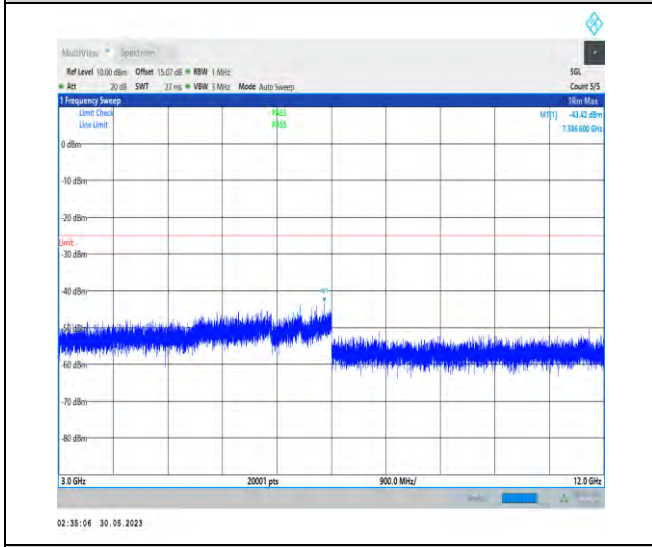
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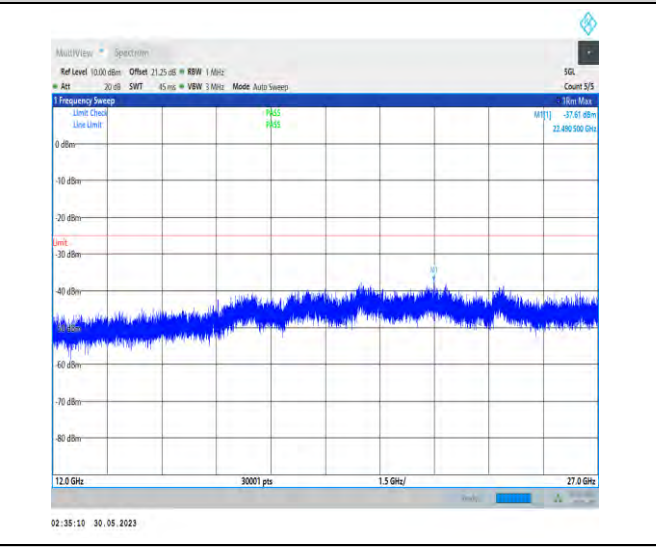
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1-N7-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2732.50--38.83--25-PASS



1-N7-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-6999.60--43.42--25-PASS



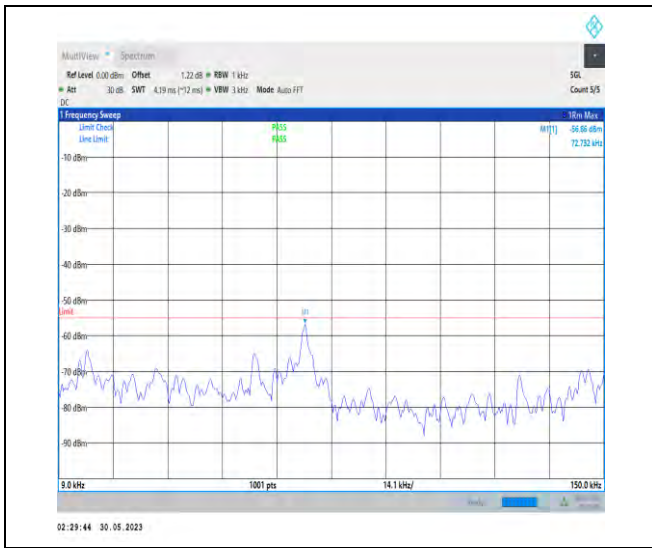
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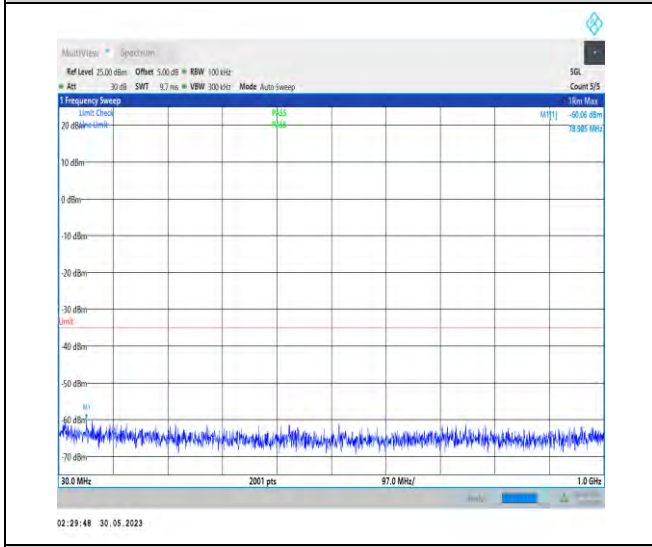
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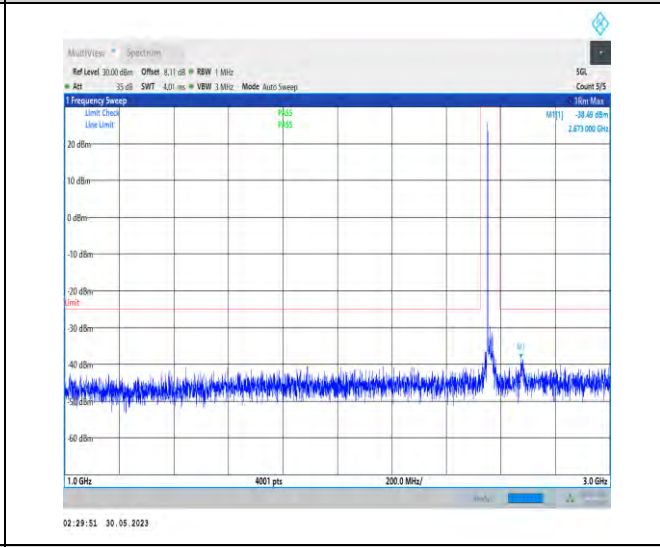
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1-N7-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-110.51--60.06--35-PASS



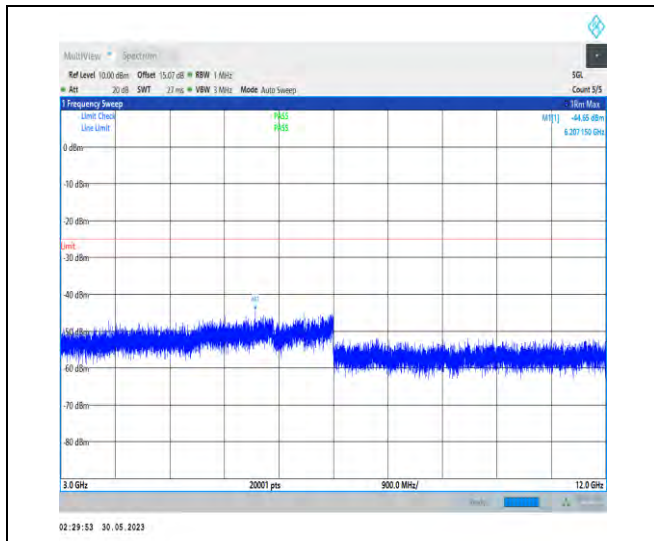
1-N7-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2176.50--38.49--25-PASS



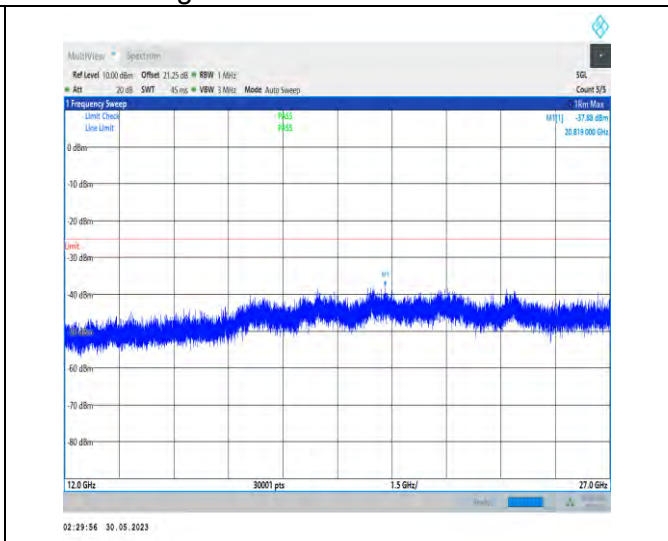
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1-N7-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner_1RB
 _Left-1@1-3000-12000-Ant1-7270.95--44.65--25-PA
 SS



1-N7-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner_1RB
 Left-1@1-12000-27000-Ant1-22356.00--37.88--25-PA
 SS



Field Strength of Spurious Radiation

Test Band = NR Band 7_ TM1_Ant11

Test Channel = Low Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	40.31	-44.91	32.60	-67.26	-25.00	42.26	214	12	Horizontal
2	7506.27	38.37	-41.58	36.51	-61.95	-25.00	36.95	186	154	Horizontal
3	10008.36	34.07	-37.12	38.51	-59.80	-25.00	34.80	203	237	Horizontal
4	12510.45	31.77	-35.19	39.11	-59.57	-25.00	34.57	291	357	Horizontal
5	15012.54	30.26	-34.02	39.18	-59.84	-25.00	34.84	146	319	Horizontal
6	17514.63	29.62	-31.88	40.66	-56.86	-25.00	31.86	221	175	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	40.44	-44.91	32.60	-67.13	-25.00	42.13	129	322	Vertical
2	7506.27	37.88	-41.58	36.51	-62.44	-25.00	37.44	235	341	Vertical
3	10008.36	33.08	-37.12	38.51	-60.79	-25.00	35.79	271	31	Vertical
4	12510.45	30.98	-35.19	39.11	-60.36	-25.00	35.36	104	261	Vertical
5	15012.54	30.92	-34.02	39.18	-59.18	-25.00	34.18	158	134	Vertical
6	17514.63	30.04	-31.88	40.66	-56.44	-25.00	31.44	283	218	Vertical



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Test Band = NR Band 7_ TM1_Ant11
 Test Channel = Mid Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	41.18	-44.72	32.60	-66.20	-25.00	41.20	159	0	Horizontal
2	7551.27	36.41	-41.42	36.60	-63.67	-25.00	38.67	206	178	Horizontal
3	10068.36	34.40	-36.92	38.58	-59.20	-25.00	34.20	135	76	Horizontal
4	12585.45	31.63	-34.65	39.19	-59.09	-25.00	34.09	182	139	Horizontal
5	15102.54	32.33	-34.30	39.07	-58.17	-25.00	33.17	194	357	Horizontal
6	17619.63	30.28	-31.63	41.08	-55.53	-25.00	30.53	276	321	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	41.62	-44.72	32.60	-65.76	-25.00	40.76	201	357	Vertical
2	7551.27	36.91	-41.42	36.60	-63.17	-25.00	38.17	284	341	Vertical
3	10068.36	33.46	-36.92	38.58	-60.14	-25.00	35.14	156	136	Vertical
4	12585.45	31.36	-34.65	39.19	-59.36	-25.00	34.36	233	51	Vertical
5	15102.54	32.55	-34.30	39.07	-57.95	-25.00	32.95	271	136	Vertical
6	17619.63	30.06	-31.63	41.08	-55.75	-25.00	30.75	146	341	Vertical



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Test Band = NR Band 7_ TM1_Ant11
 Test Channel = High Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	42.75	-44.52	32.60	-64.43	-25.00	39.43	159	51	Horizontal
2	7596.27	38.11	-41.27	36.69	-61.73	-25.00	36.73	274	113	Horizontal
3	10128.36	33.69	-36.74	38.64	-59.66	-25.00	34.66	186	134	Horizontal
4	12660.45	31.07	-34.89	39.26	-59.82	-25.00	34.82	233	357	Horizontal
5	15192.54	31.25	-32.61	38.95	-57.67	-25.00	32.67	145	51	Horizontal
6	17724.63	29.91	-30.93	41.50	-54.78	-25.00	29.78	168	260	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	42.00	-44.52	32.60	-65.18	-25.00	40.18	210	172	Vertical
2	7596.27	37.78	-41.27	36.69	-62.06	-25.00	37.06	195	357	Vertical
3	10128.36	33.75	-36.74	38.64	-59.60	-25.00	34.60	263	172	Vertical
4	12660.45	31.93	-34.89	39.26	-58.96	-25.00	33.96	244	2	Vertical
5	15192.54	32.27	-32.61	38.95	-56.65	-25.00	31.65	152	277	Vertical
6	17724.63	30.09	-30.93	41.50	-54.60	-25.00	29.60	130	0	Vertical



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Test Band = NR Band 7_ TM1_Ant31
Test Channel = Low Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3932	44.19	-45.47	30.44	-66.10	-25.00	41.10	213	357	Horizontal
2	6196.5	42.49	-42.70	34.59	-60.88	-25.00	35.88	100	128	Horizontal
3	7576.5	44.35	-41.34	36.65	-55.60	-25.00	30.60	246	21	Horizontal
4	9602	38.45	-38.09	38.54	-56.36	-25.00	31.36	153	2	Horizontal
5	12959	35.84	-34.90	39.56	-54.76	-25.00	29.76	162	21	Horizontal
6	16459	33.57	-32.15	38.22	-55.62	-25.00	30.62	201	318	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4562	43.12	-44.59	31.55	-65.18	-25.00	40.18	100	321	Vertical
2	6205.5	42.55	-42.70	34.61	-60.80	-25.00	35.80	284	157	Vertical
3	7577	47.25	-41.34	36.65	-52.69	-25.00	27.69	178	71	Vertical
4	9581	39.11	-38.11	38.54	-55.72	-25.00	30.72	165	321	Vertical
5	12963.5	35.16	-34.90	39.56	-55.43	-25.00	30.43	244	340	Vertical
6	17584	32.14	-31.81	40.94	-54.00	-25.00	29.00	156	218	Vertical



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Test Band = NR Band 7_ TM1_Ant31
 Test Channel = Mid Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5051	47.71	-44.61	32.60	-59.56	-25.00	34.56	258	339	Horizontal
2	7576.5	44.43	-41.34	36.65	-55.52	-25.00	30.52	146	2	Horizontal
3	10068.36	34.46	-36.92	38.58	-59.14	-25.00	34.14	233	0	Horizontal
4	12585.45	31.72	-34.65	39.19	-59.00	-25.00	34.00	185	2	Horizontal
5	15102.54	32.74	-34.30	39.07	-57.76	-25.00	32.76	164	2	Horizontal
6	17619.63	31.46	-31.63	41.08	-54.35	-25.00	29.35	201	319	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5051	48.13	-44.61	32.60	-59.14	-25.00	34.14	225	171	Vertical
2	7576.5	50.22	-41.34	36.65	-49.73	-25.00	24.73	159	276	Vertical
3	10068.36	34.16	-36.92	38.58	-59.44	-25.00	34.44	135	254	Vertical
4	12585.45	32.12	-34.65	39.19	-58.60	-25.00	33.60	241	86	Vertical
5	15102.54	32.17	-34.30	39.07	-58.33	-25.00	33.33	168	319	Vertical
6	17619.63	30.51	-31.63	41.08	-55.30	-25.00	30.30	219	276	Vertical



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Test Band = NR Band 7_ TM1_Ant31
 Test Channel = High Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5101	48.32	-44.29	32.60	-58.63	-25.00	33.63	154	69	Horizontal
2	7651.5	41.76	-41.30	36.80	-57.99	-25.00	32.99	217	1	Horizontal
3	10128.36	33.72	-36.74	38.64	-59.63	-25.00	34.63	189	4	Horizontal
4	12660.45	31.29	-34.89	39.26	-59.60	-25.00	34.60	262	297	Horizontal
5	15192.54	31.84	-32.61	38.95	-57.08	-25.00	32.08	135	0	Horizontal
6	17724.63	29.71	-30.93	41.50	-54.98	-25.00	29.98	170	216	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5101	46.75	-44.29	32.60	-60.20	-25.00	35.20	219	340	Vertical
2	7652	47.43	-41.30	36.80	-52.32	-25.00	27.32	265	81	Vertical
3	10128.36	33.22	-36.74	38.64	-60.13	-25.00	35.13	233	209	Vertical
4	12660.45	32.50	-34.89	39.26	-58.39	-25.00	33.39	248	295	Vertical
5	15192.54	30.78	-32.61	38.95	-58.14	-25.00	33.14	152	252	Vertical
6	17724.63	29.52	-30.93	41.50	-55.17	-25.00	30.17	162	340	Vertical



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Test Band = ENDC_2A_n7A_TM1_ANT13+ANT11
Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3455	43.32	-45.80	29.59	-68.15	-25.00	43.15	215	81	Horizontal
2	4200.5	42.34	-45.02	31.62	-66.32	-25.00	41.32	199	266	Horizontal
3	12102	34.27	-35.18	38.52	-57.65	-25.00	32.65	236	6	Horizontal
4	5004.18	39.10	-44.91	33.20	-67.87	-25.00	42.87	244	246	Horizontal
5	7506.27	37.64	-41.58	36.61	-62.59	-25.00	37.59	125	286	Horizontal
6	10008.36	32.64	-37.12	37.90	-61.84	-25.00	36.84	186	162	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3394	43.95	-45.93	29.58	-67.66	-25.00	42.66	236	278	Vertical
2	3950.5	44.00	-45.46	31.13	-65.59	-25.00	40.59	147	341	Vertical
3	6206.5	41.78	-42.70	35.21	-60.97	-25.00	35.97	189	76	Vertical
4	5004.18	39.31	-44.91	33.20	-67.66	-25.00	42.66	266	157	Vertical
5	7506.27	37.73	-41.58	36.61	-62.50	-25.00	37.50	235	357	Vertical
6	10008.36	33.55	-37.12	37.90	-60.93	-25.00	35.93	142	239	Vertical



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Test Band = ENDC_2A_n7A_TM1_ANT13+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3673.5	43.09	-45.57	30.19	-67.55	-25.00	42.55	156	88	Horizontal
2	6173	42.08	-42.76	35.15	-60.79	-25.00	35.79	234	88	Horizontal
3	8923	38.57	-38.98	37.56	-58.11	-25.00	33.11	288	1	Horizontal
4	5034.18	40.15	-44.72	33.19	-66.63	-25.00	41.63	179	129	Horizontal
5	7551.27	36.39	-41.42	36.65	-63.64	-25.00	38.64	265	340	Horizontal
6	10068.36	33.17	-36.92	37.93	-61.07	-25.00	36.07	175	357	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3943.5	43.60	-45.47	31.11	-66.02	-25.00	41.02	131	357	Vertical
2	6173.5	42.21	-42.76	35.15	-60.66	-25.00	35.66	298	300	Vertical
3	8938.5	37.45	-38.93	37.57	-59.17	-25.00	34.17	176	196	Vertical
4	5034.18	41.05	-44.72	33.19	-65.73	-25.00	40.73	244	90	Vertical
5	7551.27	36.98	-41.42	36.65	-63.05	-25.00	38.05	153	357	Vertical
6	10068.36	33.93	-36.92	37.93	-60.31	-25.00	35.31	203	259	Vertical



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Test Band = ENDC_2A_n7A_TM1_ANT13+ANT11
 Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3618.5	43.17	-45.31	30.00	-67.40	-25.00	42.40	166	340	Horizontal
2	6291	41.79	-42.81	35.38	-60.90	-25.00	35.90	274	15	Horizontal
3	9471.5	37.68	-38.15	37.74	-57.99	-25.00	32.99	189	241	Horizontal
4	5064.18	41.28	-44.52	33.19	-65.31	-25.00	40.31	233	0	Horizontal
5	7596.27	37.92	-41.27	36.70	-61.92	-25.00	36.92	142	0	Horizontal
6	10128.36	33.16	-36.74	37.96	-60.87	-25.00	35.87	118	77	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3737.5	43.43	-45.60	30.41	-67.02	-25.00	42.02	126	340	Vertical
2	4696	41.61	-44.27	32.53	-65.39	-25.00	40.39	294	4	Vertical
3	6201.5	41.89	-42.69	35.20	-60.86	-25.00	35.86	175	135	Vertical
4	5064.18	40.53	-44.52	33.19	-66.06	-25.00	41.06	188	218	Vertical
5	7596.27	37.68	-41.27	36.70	-62.16	-25.00	37.16	163	300	Vertical
6	10128.36	33.54	-36.74	37.96	-60.49	-25.00	35.49	214	240	Vertical



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Test Band = ENDC_5A_n7A_TM1_ANT13+ANT11

Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1571.5	30.60	-25.46	24.67	-65.45	-25.00	40.45	126	93	Horizontal
2	2167.5	30.32	-24.88	26.67	-63.15	-25.00	38.15	137	240	Horizontal
3	3804.5	43.69	-45.43	30.64	-66.37	-25.00	41.37	284	112	Horizontal
4	5004.18	39.38	-44.91	33.20	-67.59	-25.00	42.59	156	255	Horizontal
5	7506.27	37.76	-41.58	36.61	-62.47	-25.00	37.47	231	14	Horizontal
6	10008.36	33.17	-37.12	37.90	-61.31	-25.00	36.31	244	236	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3932.5	42.76	-45.47	31.07	-66.90	-25.00	41.90	198	178	Vertical
2	6196	42.10	-42.70	35.19	-60.67	-25.00	35.67	276	134	Vertical
3	8918	37.98	-39.00	37.56	-58.72	-25.00	33.72	233	92	Vertical
4	5004.18	40.03	-44.91	33.20	-66.94	-25.00	41.94	287	12	Vertical
5	7506.27	38.19	-41.58	36.61	-62.04	-25.00	37.04	146	357	Vertical
6	10008.36	33.57	-37.12	37.90	-60.91	-25.00	35.91	221	357	Vertical



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Test Band = ENDC_5A_n7A_TM1_ANT13+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1638	30.67	-25.32	24.60	-65.31	-25.00	40.31	290	310	Horizontal
2	2104.5	30.40	-24.91	26.53	-63.24	-25.00	38.24	176	113	Horizontal
3	4056	43.07	-45.20	31.39	-66.00	-25.00	41.00	235	92	Horizontal
4	5034.18	40.88	-44.72	33.19	-65.90	-25.00	40.90	288	176	Horizontal
5	7551.27	36.26	-41.42	36.65	-63.77	-25.00	38.77	167	70	Horizontal
6	10068.36	33.55	-36.92	37.93	-60.69	-25.00	35.69	144	113	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1516	30.65	-25.51	24.81	-65.31	-25.00	40.31	293	276	Vertical
2	2268	30.54	-24.70	26.89	-62.53	-25.00	37.53	287	360	Vertical
3	3981	43.40	-45.46	31.24	-66.08	-25.00	41.08	146	46	Vertical
4	5034.18	40.57	-44.72	33.19	-66.21	-25.00	41.21	255	8	Vertical
5	7551.27	36.96	-41.42	36.65	-63.07	-25.00	38.07	142	357	Vertical
6	10068.36	33.57	-36.92	37.93	-60.67	-25.00	35.67	204	157	Vertical



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Test Band = ENDC_5A_n7A_TM1_ANT13+ANT11
 Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1642	30.92	-25.31	24.60	-65.05	-25.00	40.05	259	247	Horizontal
2	2196.5	30.45	-24.87	26.73	-62.95	-25.00	37.95	168	359	Horizontal
3	3948.5	43.60	-45.47	31.12	-66.00	-25.00	41.00	235	216	Horizontal
4	5064.18	41.28	-44.52	33.19	-65.31	-25.00	40.31	174	1	Horizontal
5	7596.27	37.13	-41.27	36.70	-62.71	-25.00	37.71	166	11	Horizontal
6	10128.36	33.47	-36.74	37.96	-60.56	-25.00	35.56	249	216	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2115.5	30.17	-24.90	26.55	-63.44	-25.00	38.44	224	320	Vertical
2	3937.5	43.06	-45.47	31.09	-66.58	-25.00	41.58	189	2	Vertical
3	6231	42.39	-42.73	35.26	-60.34	-25.00	35.34	263	234	Vertical
4	5064.18	40.98	-44.52	33.19	-65.61	-25.00	40.61	277	151	Vertical
5	7596.27	38.68	-41.27	36.70	-61.16	-25.00	36.16	149	277	Vertical
6	10128.36	33.04	-36.74	37.96	-60.99	-25.00	35.99	253	0	Vertical



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Test Band = ENDC_66A_n7A_TM1_ANT13+ANT11
 Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3564	42.81	-45.39	29.82	-68.02	-25.00	43.02	294	279	Horizontal
2	6147	41.72	-42.82	35.09	-61.27	-25.00	36.27	186	156	Horizontal
3	12998.5	34.70	-34.92	39.60	-55.88	-25.00	30.88	233	239	Horizontal
4	5004.18	40.14	-44.91	33.20	-66.83	-25.00	41.83	175	4	Horizontal
5	7506.27	38.22	-41.58	36.61	-62.01	-25.00	37.01	149	279	Horizontal
6	10008.36	32.85	-37.12	37.90	-61.63	-25.00	36.63	201	320	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3550.5	42.76	-45.45	29.77	-68.18	-25.00	43.18	124	236	Vertical
2	6174	42.18	-42.76	35.15	-60.69	-25.00	35.69	214	322	Vertical
3	12975.5	34.50	-34.91	39.57	-56.09	-25.00	31.09	159	277	Vertical
4	5004.18	39.73	-44.91	33.20	-67.24	-25.00	42.24	268	115	Vertical
5	7506.27	37.90	-41.58	36.61	-62.33	-25.00	37.33	273	1	Vertical
6	10008.36	33.39	-37.12	37.90	-61.09	-25.00	36.09	244	358	Vertical



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Test Band = ENDC_66A_n7A_TM1_ANT13+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3924.5	43.52	-45.47	31.04	-66.17	-25.00	41.17	297	199	Horizontal
2	6192.5	42.21	-42.71	35.19	-60.57	-25.00	35.57	187	239	Horizontal
3	8925.5	37.99	-38.98	37.56	-58.68	-25.00	33.68	146	14	Horizontal
4	5034.18	41.20	-44.72	33.19	-65.58	-25.00	40.58	230	219	Horizontal
5	7551.27	36.45	-41.42	36.65	-63.58	-25.00	38.58	159	53	Horizontal
6	10068.36	33.66	-36.92	37.93	-60.58	-25.00	35.58	286	219	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3673.5	43.27	-45.57	30.19	-67.37	-25.00	42.37	255	213	Vertical
2	6215.5	41.84	-42.71	35.23	-60.90	-25.00	35.90	171	106	Vertical
3	8930.5	38.34	-38.96	37.57	-58.31	-25.00	33.31	246	213	Vertical
4	5034.18	40.26	-44.72	33.19	-66.52	-25.00	41.52	235	357	Vertical
5	7551.27	37.27	-41.42	36.65	-62.76	-25.00	37.76	195	9	Vertical
6	10068.36	33.63	-36.92	37.93	-60.61	-25.00	35.61	168	151	Vertical



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Test Band = ENDC_66A_n7A_TM1_ANT13+ANT11
 Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3718.5	43.24	-45.65	30.34	-67.33	-25.00	42.33	197	4	Horizontal
2	6212.5	41.82	-42.71	35.23	-60.92	-25.00	35.92	145	160	Horizontal
3	9561	37.51	-38.12	37.77	-58.10	-25.00	33.10	266	14	Horizontal
4	5064.18	41.45	-44.52	33.19	-65.14	-25.00	40.14	235	4	Horizontal
5	7596.27	37.68	-41.27	36.70	-62.16	-25.00	37.16	175	31	Horizontal
6	10128.36	33.00	-36.74	37.96	-61.03	-25.00	36.03	146	52	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3975	43.28	-45.46	31.22	-66.22	-25.00	41.22	290	0	Vertical
2	6213	41.90	-42.71	35.23	-60.84	-25.00	35.84	174	66	Vertical
3	8564	38.07	-39.71	37.38	-59.52	-25.00	34.52	186	233	Vertical
4	5064.18	40.61	-44.52	33.19	-65.98	-25.00	40.98	281	297	Vertical
5	7596.27	37.82	-41.27	36.70	-62.02	-25.00	37.02	223	278	Vertical
6	10128.36	33.03	-36.74	37.96	-61.00	-25.00	36.00	157	129	Vertical



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Test Band = ENDC_2A_n7A_TM1_ANT31+ANT11
 Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	42.65	-45.69	29.89	-68.42	-25.00	43.42	218	92	Horizontal
2	5002.18	39.98	-44.92	32.60	-67.60	-25.00	42.60	195	92	Horizontal
3	5553.27	41.12	-43.87	32.77	-65.24	-25.00	40.24	266	279	Horizontal
4	7404.36	39.22	-41.96	36.44	-61.56	-25.00	36.56	135	298	Horizontal
5	7503.27	39.71	-41.59	36.51	-60.63	-25.00	35.63	247	113	Horizontal
6	10004.36	34.19	-37.13	38.50	-59.70	-25.00	34.70	146	14	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	42.63	-45.69	29.89	-68.44	-25.00	43.44	126	155	Vertical
2	5002.18	39.89	-44.92	32.60	-67.69	-25.00	42.69	191	50	Vertical
3	5553.27	41.24	-43.87	32.77	-65.12	-25.00	40.12	287	95	Vertical
4	7404.36	38.61	-41.96	36.44	-62.17	-25.00	37.17	146	0	Vertical
5	7503.27	38.97	-41.59	36.51	-61.37	-25.00	36.37	235	0	Vertical
6	10004.36	34.20	-37.13	38.50	-59.69	-25.00	34.69	182	114	Vertical



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Test Band = ENDC_2A_n7A_TM1_ANT31+ANT11
 Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5051	48.36	-44.61	32.60	-58.91	-25.00	33.91	185	278	Horizontal
2	7576.5	44.22	-41.34	36.65	-55.73	-25.00	30.73	194	95	Horizontal
3	8938.5	38.94	-38.93	38.53	-56.72	-25.00	31.72	265	13	Horizontal
4	12701.5	35.06	-35.12	39.30	-56.02	-25.00	31.02	185	357	Horizontal
5	3742.18	42.86	-45.59	29.98	-68.00	-25.00	43.00	138	297	Horizontal
6	10104.36	35.77	-36.80	38.61	-57.67	-25.00	32.67	177	340	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5051	48.52	-44.61	32.60	-58.75	-25.00	33.75	198	44	Vertical
2	7576.5	50.27	-41.34	36.65	-49.68	-25.00	24.68	255	65	Vertical
3	8984.5	38.38	-38.76	38.58	-57.05	-25.00	32.05	163	295	Vertical
4	3742.18	42.20	-45.59	29.98	-68.66	-25.00	43.66	271	65	Vertical
5	5613.27	40.43	-43.84	32.96	-65.71	-25.00	40.71	145	22	Vertical
6	10104.36	34.43	-36.80	38.61	-59.01	-25.00	34.01	203	129	Vertical



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Test Band = ENDC_2A_n7A_TM1_ANT31+ANT11
 Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	41.96	-45.48	30.08	-68.70	-25.00	43.70	297	0	Horizontal
2	5102.18	40.08	-44.29	32.60	-66.87	-25.00	41.87	186	215	Horizontal
3	5673.27	41.14	-43.77	33.16	-64.74	-25.00	39.74	234	129	Horizontal
4	7564.36	37.52	-41.38	36.63	-62.49	-25.00	37.49	156	296	Horizontal
5	7653.27	37.48	-41.30	36.81	-62.27	-25.00	37.27	275	318	Horizontal
6	10204.36	35.37	-36.56	38.72	-57.73	-25.00	32.73	165	108	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	41.53	-45.48	30.08	-69.13	-25.00	44.13	254	260	Vertical
2	5102.18	40.66	-44.29	32.60	-66.29	-25.00	41.29	187	302	Vertical
3	5673.27	41.38	-43.77	33.16	-64.50	-25.00	39.50	199	321	Vertical
4	7564.36	37.17	-41.38	36.63	-62.84	-25.00	37.84	237	341	Vertical
5	7653.27	37.88	-41.30	36.81	-61.87	-25.00	36.87	158	153	Vertical
6	10204.36	35.91	-36.56	38.72	-57.19	-25.00	32.19	209	25	Vertical



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Test Band = ENDC_5A_n7A_TM1_ANT31+ANT11

Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	35.51	-25.29	25.58	-59.46	-25.00	34.46	248	320	Horizontal
2	2473.77	37.31	-24.01	27.85	-54.11	-25.00	29.11	196	360	Horizontal
3	3298.36	42.76	-45.88	29.48	-68.89	-25.00	43.89	238	192	Horizontal
4	5004.18	41.27	-44.91	32.60	-66.30	-25.00	41.30	176	107	Horizontal
5	7506.27	39.40	-41.58	36.51	-60.92	-25.00	35.92	244	66	Horizontal
6	10008.36	34.75	-37.12	38.51	-59.12	-25.00	34.12	159	45	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	35.52	-25.29	25.58	-59.45	-25.00	34.45	219	185	Vertical
2	2473.77	36.72	-24.01	27.85	-54.70	-25.00	29.70	263	259	Vertical
3	3298.36	42.30	-45.88	29.48	-69.35	-25.00	44.35	277	4	Vertical
4	5004.18	39.53	-44.91	32.60	-68.04	-25.00	43.04	184	0	Vertical
5	7506.27	38.96	-41.58	36.51	-61.36	-25.00	36.36	291	258	Vertical
6	10008.36	33.70	-37.12	38.51	-60.17	-25.00	35.17	203	32	Vertical



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Test Band = ENDC_5A_n7A_TM1_ANT31+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4328	44.36	-44.93	31.12	-64.70	-25.00	39.70	196	176	Horizontal
2	5051	52.23	-44.61	32.60	-55.04	-25.00	30.04	287	92	Horizontal
3	6206	42.42	-42.70	34.61	-60.93	-25.00	35.93	146	4	Horizontal
4	7576.5	43.82	-41.34	36.65	-56.13	-25.00	31.13	293	0	Horizontal
5	8940.5	38.63	-38.92	38.53	-57.02	-25.00	32.02	284	29	Horizontal
6	10206.5	36.48	-36.57	38.73	-56.62	-25.00	31.62	144	320	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4333	43.32	-44.93	31.13	-65.73	-25.00	40.73	132	320	Vertical
2	5051	48.09	-44.61	32.60	-59.18	-25.00	34.18	146	113	Vertical
3	6238.5	42.33	-42.74	34.68	-60.99	-25.00	35.99	287	216	Vertical
4	7576.5	45.06	-41.34	36.65	-54.89	-25.00	29.89	149	71	Vertical
5	9558	38.34	-38.12	38.54	-56.50	-25.00	31.50	212	278	Vertical
6	10211.5	37.02	-36.58	38.73	-56.09	-25.00	31.09	164	357	Vertical



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Test Band = ENDC_5A_n7A_TM1_ANT31+ANT11
 Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3755	44.00	-45.55	30.01	-66.80	-25.00	41.80	126	357	Horizontal
2	4483.5	43.28	-44.78	31.37	-65.39	-25.00	40.39	234	168	Horizontal
3	6215.5	42.60	-42.71	34.63	-60.74	-25.00	35.74	185	211	Horizontal
4	8204	37.97	-39.94	37.72	-59.51	-25.00	34.51	179	168	Horizontal
5	9542	38.36	-38.13	38.55	-56.48	-25.00	31.48	268	42	Horizontal
6	10205	36.76	-36.56	38.73	-56.34	-25.00	31.34	174	62	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3953.5	43.83	-45.46	30.49	-66.41	-25.00	41.41	198	1	Vertical
2	4839.5	42.41	-44.61	32.21	-65.25	-25.00	40.25	263	1	Vertical
3	6218	42.59	-42.71	34.64	-60.75	-25.00	35.75	271	300	Vertical
4	7979.5	39.22	-40.45	37.46	-59.03	-25.00	34.03	146	1	Vertical
5	9595	38.61	-38.10	38.54	-56.21	-25.00	31.21	285	88	Vertical
6	11219.5	33.95	-35.04	39.38	-56.97	-25.00	31.97	194	47	Vertical



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Test Band = ENDC_66A_n7A_TM1_ANT31+ANT11
 Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	39.52	-44.91	32.60	-68.05	-25.00	43.05	217	40	Horizontal
2	7506.27	38.75	-41.58	36.51	-61.57	-25.00	36.57	238	297	Horizontal
3	10008.36	33.57	-37.12	38.51	-60.30	-25.00	35.30	196	297	Horizontal
4	12510.45	31.26	-35.19	39.11	-60.08	-25.00	35.08	254	254	Horizontal
5	15012.54	30.61	-34.02	39.18	-59.49	-25.00	34.49	186	0	Horizontal
6	17514.63	30.07	-31.88	40.66	-56.41	-25.00	31.41	138	144	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	39.69	-44.91	32.60	-67.88	-25.00	42.88	224	0	Vertical
2	7506.27	38.31	-41.58	36.51	-62.01	-25.00	37.01	159	215	Vertical
3	10008.36	33.61	-37.12	38.51	-60.26	-25.00	35.26	236	133	Vertical
4	12510.45	31.58	-35.19	39.11	-59.76	-25.00	34.76	278	11	Vertical
5	15012.54	31.05	-34.02	39.18	-59.05	-25.00	34.05	146	193	Vertical
6	17514.63	29.60	-31.88	40.66	-56.88	-25.00	31.88	287	297	Vertical



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Test Band = ENDC_66A_n7A_TM1_ANT31+ANT11
 Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5051	47.71	-44.61	32.60	-59.56	-25.00	34.56	196	357	Horizontal
2	7576.5	43.21	-41.34	36.65	-56.74	-25.00	31.74	154	341	Horizontal
3	10068.36	35.00	-36.92	38.58	-58.60	-25.00	33.60	142	156	Horizontal
4	12585.45	31.96	-34.65	39.19	-58.76	-25.00	33.76	136	54	Horizontal
5	15102.54	32.26	-34.30	39.07	-58.24	-25.00	33.24	125	357	Horizontal
6	17619.63	29.95	-31.63	41.08	-55.86	-25.00	30.86	114	0	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5051	46.17	-44.61	32.60	-61.10	-25.00	36.10	196	14	Vertical
2	7576.5	47.94	-41.34	36.65	-52.01	-25.00	27.01	125	279	Vertical
3	9598.5	38.07	-38.10	38.54	-56.75	-25.00	31.75	114	158	Vertical
4	12585.45	31.65	-34.65	39.19	-59.07	-25.00	34.07	136	72	Vertical
5	15102.54	32.26	-34.30	39.07	-58.24	-25.00	33.24	121	72	Vertical
6	17619.63	30.48	-31.63	41.08	-55.33	-25.00	30.33	145	357	Vertical



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Test Band = ENDC_66A_n7A_TM1_ANT31+ANT11
Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	41.05	-44.52	32.60	-66.13	-25.00	41.13	248	74	Horizontal
2	7596.27	37.60	-41.27	36.69	-62.24	-25.00	37.24	162	278	Horizontal
3	10128.36	32.91	-36.74	38.64	-60.44	-25.00	35.44	235	218	Horizontal
4	12660.45	31.65	-34.89	39.26	-59.24	-25.00	34.24	277	74	Horizontal
5	15192.54	30.78	-32.61	38.95	-58.14	-25.00	33.14	183	357	Horizontal
6	17724.63	29.07	-30.93	41.50	-55.62	-25.00	30.62	203	278	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.59	-44.52	32.60	-66.59	-25.00	41.59	191	279	Vertical
2	7596.27	37.73	-41.27	36.69	-62.11	-25.00	37.11	241	0	Vertical
3	10128.36	33.09	-36.74	38.64	-60.26	-25.00	35.26	168	279	Vertical
4	12660.45	30.98	-34.89	39.26	-59.91	-25.00	34.91	234	89	Vertical
5	15192.54	30.55	-32.61	38.95	-58.37	-25.00	33.37	175	357	Vertical
6	17724.63	29.02	-30.93	41.50	-55.67	-25.00	30.67	188	216	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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Test on the worst case:

Test Band = NR Band 7_ TM1_Ant11

Test Channel = Low Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5051	54.10	-44.61	33.19	-52.58	-25.00	27.58	196	321	Horizontal
2	7576.5	60.44	-41.34	36.68	-39.48	-25.00	14.48	265	341	Horizontal
3	10102	40.87	-36.80	37.95	-53.24	-25.00	28.24	284	341	Horizontal
4	12627.5	36.54	-34.70	39.15	-54.27	-25.00	29.27	142	341	Horizontal
5	15237.5	33.85	-33.00	39.65	-54.76	-25.00	29.76	263	321	Horizontal
6	17850.5	32.90	-30.94	40.94	-52.36	-25.00	27.36	224	69	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4329.5	43.06	-44.93	31.83	-65.30	-25.00	40.30	102	93	Vertical
2	5051	55.03	-44.61	33.19	-51.65	-25.00	26.65	265	113	Vertical
3	7576.5	61.14	-41.34	36.68	-38.78	-25.00	13.78	284	134	Vertical
4	10102	45.93	-36.80	37.95	-48.18	-25.00	23.18	251	31	Vertical
5	13554	34.69	-34.25	39.99	-54.84	-25.00	29.84	142	0	Vertical
6	16840	34.30	-32.08	38.79	-54.26	-25.00	29.26	263	134	Vertical



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Test Band = NR Band 7_ TM1_Ant11
 Test Channel = Mid Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	40.84	-44.72	33.19	-65.94	-25.00	40.94	102	340	Horizontal
2	7551.27	37.07	-41.42	36.65	-62.96	-25.00	37.96	296	239	Horizontal
3	10068.36	33.89	-36.92	37.93	-60.35	-25.00	35.35	265	5	Horizontal
4	12585.45	32.54	-34.65	39.10	-58.26	-25.00	33.26	241	15	Horizontal
5	15102.54	34.02	-34.30	39.90	-55.64	-25.00	30.64	142	32	Horizontal
6	17619.63	30.88	-31.63	40.39	-55.63	-25.00	30.63	263	198	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320	42.27	-44.05	33.14	-63.90	-25.00	38.90	116	75	Vertical
2	7583.5	51.03	-41.32	36.68	-48.86	-25.00	23.86	196	96	Vertical
3	10068.36	34.00	-36.92	37.93	-60.24	-25.00	35.24	284	175	Vertical
4	12585.45	33.05	-34.65	39.10	-57.75	-25.00	32.75	142	33	Vertical
5	15102.54	33.00	-34.30	39.90	-56.66	-25.00	31.66	263	0	Vertical
6	17619.63	30.80	-31.63	40.39	-55.71	-25.00	30.71	224	156	Vertical



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Test Band = NR Band 7_ TM1_Ant11
Test Channel = High Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.46	-44.52	33.19	-66.13	-25.00	41.13	142	198	Horizontal
2	7596.27	37.70	-41.27	36.70	-62.14	-25.00	37.14	265	297	Horizontal
3	10128.36	33.66	-36.74	37.96	-60.37	-25.00	35.37	285	297	Horizontal
4	12660.45	32.37	-34.89	39.19	-58.59	-25.00	33.59	254	134	Horizontal
5	15192.54	31.91	-32.61	39.73	-56.23	-25.00	31.23	142	0	Horizontal
6	17724.63	29.66	-30.93	40.64	-55.89	-25.00	30.89	263	297	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.29	-44.52	33.19	-66.30	-25.00	41.30	102	298	Vertical
2	7596.27	37.54	-41.27	36.70	-62.30	-25.00	37.30	265	111	Vertical
3	10128.36	33.28	-36.74	37.96	-60.75	-25.00	35.75	241	154	Vertical
4	12660.45	32.40	-34.89	39.19	-58.56	-25.00	33.56	142	216	Vertical
5	15192.54	32.03	-32.61	39.73	-56.11	-25.00	31.11	263	1	Vertical
6	17724.63	30.21	-30.93	40.64	-55.34	-25.00	30.34	228	255	Vertical



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Test Band = NR Band 7_ TM1_Ant31
Test Channel = Low Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	40.43	-44.91	33.20	-66.54	-25.00	41.54	185	320	Horizontal
2	7506.27	38.92	-41.58	36.61	-61.31	-25.00	36.31	265	0	Horizontal
3	10008.36	33.79	-37.12	37.90	-60.69	-25.00	35.69	254	94	Horizontal
4	12510.45	33.01	-35.19	39.01	-58.43	-25.00	33.43	142	72	Horizontal
5	15012.54	31.66	-34.02	40.08	-57.55	-25.00	32.55	263	218	Horizontal
6	17514.63	30.44	-31.88	40.14	-56.56	-25.00	31.56	228	357	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	39.96	-44.91	33.20	-67.01	-25.00	42.01	296	235	Vertical
2	7506.27	38.81	-41.58	36.61	-61.42	-25.00	36.42	265	26	Vertical
3	10008.36	34.34	-37.12	37.90	-60.14	-25.00	35.14	284	194	Vertical
4	12510.45	32.31	-35.19	39.01	-59.13	-25.00	34.13	142	357	Vertical
5	15012.54	31.08	-34.02	40.08	-58.13	-25.00	33.13	263	3	Vertical
6	17514.63	30.03	-31.88	40.14	-56.97	-25.00	31.97	287	47	Vertical



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Test Band = NR Band 7_ TM1_Ant31
 Test Channel = Mid Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	40.63	-44.72	33.19	-66.15	-25.00	41.15	196	199	Horizontal
2	7551.27	36.69	-41.42	36.65	-63.34	-25.00	38.34	265	319	Horizontal
3	10068.36	34.15	-36.92	37.93	-60.09	-25.00	35.09	284	240	Horizontal
4	12585.45	31.73	-34.65	39.10	-59.07	-25.00	34.07	142	14	Horizontal
5	15102.54	33.06	-34.30	39.90	-56.60	-25.00	31.60	263	94	Horizontal
6	17619.63	30.70	-31.63	40.39	-55.81	-25.00	30.81	228	218	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	40.90	-44.72	33.19	-65.88	-25.00	40.88	296	50	Vertical
2	7551.27	37.56	-41.42	36.65	-62.47	-25.00	37.47	265	259	Vertical
3	10068.36	35.48	-36.92	37.93	-58.76	-25.00	33.76	284	155	Vertical
4	12585.45	33.12	-34.65	39.10	-57.68	-25.00	32.68	142	112	Vertical
5	15102.54	32.31	-34.30	39.90	-57.35	-25.00	32.35	263	4	Vertical
6	17619.63	30.52	-31.63	40.39	-55.99	-25.00	30.99	228	155	Vertical



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Test Band = NR Band 7_ TM1_Ant31
 Test Channel = High Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.68	-44.52	33.19	-65.91	-25.00	40.91	296	341	Horizontal
2	7596.27	37.69	-41.27	36.70	-62.15	-25.00	37.15	265	0	Horizontal
3	10128.36	34.25	-36.74	37.96	-59.78	-25.00	34.78	284	240	Horizontal
4	12660.45	32.37	-34.89	39.19	-58.59	-25.00	33.59	142	280	Horizontal
5	15192.54	32.18	-32.61	39.73	-55.96	-25.00	30.96	263	218	Horizontal
6	17724.63	29.85	-30.93	40.64	-55.70	-25.00	30.70	224	197	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.39	-44.52	33.19	-66.20	-25.00	41.20	196	198	Vertical
2	7596.27	38.50	-41.27	36.70	-61.34	-25.00	36.34	265	357	Vertical
3	10128.36	33.96	-36.74	37.96	-60.07	-25.00	35.07	284	357	Vertical
4	12660.45	32.30	-34.89	39.19	-58.66	-25.00	33.66	142	2	Vertical
5	15192.54	32.83	-32.61	39.73	-55.31	-25.00	30.31	263	0	Vertical
6	17724.63	29.68	-30.93	40.64	-55.87	-25.00	30.87	228	25	Vertical



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Test Band = ENDC_2A_n7A Ant13_TM1
 Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	39.89	-44.91	33.20	-67.08	-25.00	42.08	196	137	Horizontal
2	7506.27	38.60	-41.58	36.61	-61.63	-25.00	36.63	265	5	Horizontal
3	10008.36	34.42	-37.12	37.90	-60.06	-25.00	35.06	284	301	Horizontal
4	12510.45	31.81	-35.19	39.01	-59.63	-25.00	34.63	142	35	Horizontal
5	15012.54	32.28	-34.02	40.08	-56.93	-25.00	31.93	263	5	Horizontal
6	17514.63	30.09	-31.88	40.14	-56.91	-25.00	31.91	227	0	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	39.84	-44.91	33.20	-67.13	-25.00	42.13	296	278	Vertical
2	7506.27	38.83	-41.58	36.61	-61.40	-25.00	36.40	265	155	Vertical
3	10008.36	33.82	-37.12	37.90	-60.66	-25.00	35.66	285	1	Vertical
4	12510.45	31.50	-35.19	39.01	-59.94	-25.00	34.94	254	278	Vertical
5	15012.54	31.87	-34.02	40.08	-57.34	-25.00	32.34	142	69	Vertical
6	17514.63	30.83	-31.88	40.14	-56.17	-25.00	31.17	263	319	Vertical



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Test Band = ENDC_2A_n7A Ant13_TM1
 Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	39.91	-44.72	33.19	-66.87	-25.00	41.87	196	15	Horizontal
2	7551.27	37.41	-41.42	36.65	-62.62	-25.00	37.62	265	320	Horizontal
3	10068.36	34.46	-36.92	37.93	-59.78	-25.00	34.78	284	260	Horizontal
4	12585.45	31.69	-34.65	39.10	-59.11	-25.00	34.11	142	260	Horizontal
5	15102.54	33.26	-34.30	39.90	-56.40	-25.00	31.40	263	113	Horizontal
6	17619.63	30.85	-31.63	40.39	-55.66	-25.00	30.66	228	134	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	40.50	-44.72	33.19	-66.28	-25.00	41.28	196	255	Vertical
2	7551.27	36.70	-41.42	36.65	-63.33	-25.00	38.33	265	255	Vertical
3	10068.36	33.61	-36.92	37.93	-60.63	-25.00	35.63	284	27	Vertical
4	12585.45	32.53	-34.65	39.10	-58.27	-25.00	33.27	142	339	Vertical
5	15102.54	31.82	-34.30	39.90	-57.84	-25.00	32.84	149	234	Vertical
6	17619.63	30.89	-31.63	40.39	-55.62	-25.00	30.62	365	27	Vertical



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Test Band = ENDC_2A_n7A Ant13_TM1

Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.17	-44.52	33.19	-66.42	-25.00	41.42	196	173	Horizontal
2	7596.27	37.59	-41.27	36.70	-62.25	-25.00	37.25	265	0	Horizontal
3	10128.36	33.23	-36.74	37.96	-60.80	-25.00	35.80	284	193	Horizontal
4	12660.45	32.06	-34.89	39.19	-58.90	-25.00	33.90	142	87	Horizontal
5	15192.54	31.34	-32.61	39.73	-56.80	-25.00	31.80	263	1	Horizontal
6	17724.63	29.78	-30.93	40.64	-55.77	-25.00	30.77	228	356	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.93	-44.52	33.19	-65.66	-25.00	40.66	296	197	Vertical
2	7596.27	38.62	-41.27	36.70	-61.22	-25.00	36.22	265	0	Vertical
3	10128.36	33.62	-36.74	37.96	-60.41	-25.00	35.41	285	280	Vertical
4	12660.45	31.94	-34.89	39.19	-59.02	-25.00	34.02	254	74	Vertical
5	15192.54	31.43	-32.61	39.73	-56.71	-25.00	31.71	142	259	Vertical
6	17724.63	30.51	-30.93	40.64	-55.04	-25.00	30.04	263	33	Vertical



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Test Band = ENDC_2A_n7A Ant31_TM1
 Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	39.90	-44.91	33.20	-67.07	-25.00	42.07	102	259	Horizontal
2	7506.27	38.71	-41.58	36.61	-61.52	-25.00	36.52	265	13	Horizontal
3	10008.36	34.47	-37.12	37.90	-60.01	-25.00	35.01	254	13	Horizontal
4	12510.45	32.05	-35.19	39.01	-59.39	-25.00	34.39	142	114	Horizontal
5	15012.54	31.47	-34.02	40.08	-57.74	-25.00	32.74	221	114	Horizontal
6	17514.63	30.59	-31.88	40.14	-56.41	-25.00	31.41	108	155	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.18	39.51	-44.91	33.20	-67.46	-25.00	42.46	196	136	Vertical
2	7506.27	38.01	-41.58	36.61	-62.22	-25.00	37.22	265	340	Vertical
3	10008.36	34.81	-37.12	37.90	-59.67	-25.00	34.67	284	72	Vertical
4	12510.45	31.93	-35.19	39.01	-59.51	-25.00	34.51	142	176	Vertical
5	15012.54	32.25	-34.02	40.08	-56.96	-25.00	31.96	255	32	Vertical
6	17514.63	30.20	-31.88	40.14	-56.80	-25.00	31.80	263	277	Vertical



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Test Band = ENDC_2A_n7A Ant31_TM1
 Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	40.51	-44.72	33.19	-66.27	-25.00	41.27	296	157	Horizontal
2	7551.27	37.11	-41.42	36.65	-62.92	-25.00	37.92	265	235	Horizontal
3	10068.36	34.07	-36.92	37.93	-60.17	-25.00	35.17	284	319	Horizontal
4	12585.45	33.06	-34.65	39.10	-57.74	-25.00	32.74	142	157	Horizontal
5	15102.54	32.39	-34.30	39.90	-57.27	-25.00	32.27	263	277	Horizontal
6	17619.63	31.48	-31.63	40.39	-55.03	-25.00	30.03	228	74	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.18	40.84	-44.72	33.19	-65.94	-25.00	40.94	142	215	Vertical
2	7551.27	37.66	-41.42	36.65	-62.37	-25.00	37.37	265	4	Vertical
3	10068.36	34.30	-36.92	37.93	-59.94	-25.00	34.94	284	12	Vertical
4	12585.45	31.94	-34.65	39.10	-58.86	-25.00	33.86	142	173	Vertical
5	15102.54	32.66	-34.30	39.90	-57.00	-25.00	32.00	263	0	Vertical
6	17619.63	31.11	-31.63	40.39	-55.40	-25.00	30.40	228	51	Vertical



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Test Band = ENDC_2A_n7A Ant31_TM1
 Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	40.41	-44.52	33.19	-66.18	-25.00	41.18	296	357	Horizontal
2	7596.27	38.39	-41.27	36.70	-61.45	-25.00	36.45	265	296	Horizontal
3	10128.36	33.75	-36.74	37.96	-60.28	-25.00	35.28	284	0	Horizontal
4	12660.45	32.11	-34.89	39.19	-58.85	-25.00	33.85	100	25	Horizontal
5	15192.54	31.88	-32.61	39.73	-56.26	-25.00	31.26	254	320	Horizontal
6	17724.63	30.00	-30.93	40.64	-55.55	-25.00	30.55	145	1	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.18	39.81	-44.52	33.19	-66.78	-25.00	41.78	265	320	Vertical
2	7596.27	37.79	-41.27	36.70	-62.05	-25.00	37.05	284	178	Vertical
3	10128.36	33.83	-36.74	37.96	-60.20	-25.00	35.20	142	52	Vertical
4	12660.45	31.48	-34.89	39.19	-59.48	-25.00	34.48	263	158	Vertical
5	15192.54	31.43	-32.61	39.73	-56.71	-25.00	31.71	226	95	Vertical
6	17724.63	30.58	-30.93	40.64	-54.97	-25.00	29.97	214	137	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

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N7	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.600000	-0.000653	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.200000	-0.001638	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.500000	-0.000064	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VH	NT	-0.700000	-0.000126	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VN	NT	-1.500000	-0.000364	PASS
N7	15	20	CP-QPSK	M	Outer_Full	VL	NT	1.500000	0.000563	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	2.500000	0.001032	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-3.700000	-0.001469	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-5.200000	-0.002364	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-5.400000	-0.002352	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.400000	-0.003256	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.700000	-0.003654	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-3.500000	-0.002354	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.800000	-0.001423	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-3.600000	-0.001325	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-30	-1.500000	-0.000123	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-20	-0.800000	-0.000365	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	-10	-0.700000	-0.000562	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	0	0.800000	0.000084	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	10	-1.700000	-0.000763	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	20	1.200000	0.000523	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	30	-0.700000	-0.000325	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	40	-0.500000	-0.000163	PASS
N7	15	20	CP-QPSK	M	Outer_Full	NV	50	0.900000	0.000319	PASS

---End of Attachment---



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