

Appendix B.10

NR Band n5



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.27	20.7	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.23	20.66	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	22.85	20.28	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.47	20.9	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.45	20.88	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	22.38	19.81	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	22.26	19.69	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	22.27	19.7	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	21.31	18.74	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	20.97	18.4	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	20.94	18.37	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	20.85	18.28	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	18.71	16.14	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	18.64	16.07	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	18.63	16.06	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.15	20.58	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.11	20.54	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	22.73	20.16	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.39	20.82	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.32	20.75	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	22.24	19.67	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	22.21	19.64	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	22.17	19.6	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	21.15	18.58	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	20.9	18.33	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	20.81	18.24	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	20.74	18.17	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	18.69	16.12	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	18.59	16.02	38.45	PASS



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N5	15	5	DFT-256QAM	M	Outer_Full	18.74	16.17	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.1	20.53	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.12	20.55	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	22.79	20.22	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.13	20.56	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.16	20.59	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	22.85	20.28	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	21.36	18.79	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	21.36	18.79	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	21.52	18.95	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	20.32	17.75	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	20.12	17.55	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	20.52	17.95	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	18.63	16.06	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	18.63	16.06	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	18.72	16.15	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.16	20.59	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.1	20.53	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	22.8	20.23	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.38	20.81	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.38	20.81	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	22.3	19.73	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	22.41	19.84	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	22.38	19.81	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	21.27	18.7	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	20.92	18.35	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	20.9	18.33	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	20.73	18.16	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	18.66	16.09	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	18.63	16.06	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	18.77	16.2	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.1	20.53	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.13	20.56	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	22.74	20.17	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	22.45	19.88	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	22.63	20.06	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	22.45	19.88	38.45	PASS



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N5	15	10	DFT-16QAM	M	Inner_1RB_Left	21.36	18.79	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	21.52	18.95	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	21.45	18.88	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	20.45	17.88	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	20.63	18.06	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	20.45	17.88	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	18.64	16.07	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	18.57	16	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	18.74	16.17	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.04	20.47	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.19	20.62	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	22.58	20.01	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.18	20.61	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	23.33	20.76	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	22.14	19.57	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	22.18	19.61	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	22.31	19.74	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	21.08	18.51	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	20.76	18.19	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	20.94	18.37	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	20.52	17.95	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	18.5	15.93	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	18.65	16.08	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	18.53	15.96	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.32	20.75	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.25	20.68	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	23.42	20.85	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.34	20.77	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.25	20.68	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	22.27	19.7	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	22.34	19.77	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	22.28	19.71	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	21.36	18.79	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	20.52	17.95	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	20.45	17.88	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	20.36	17.79	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	18.57	16	38.45	PASS



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N5	15	15	DFT-256QAM	L	Inner_1RB_Right	18.56	15.99	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	18.76	16.19	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.45	20.88	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.52	20.95	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.32	20.75	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.27	20.7	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.21	20.64	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	22.28	19.71	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	22.33	19.76	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	22.26	19.69	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	21.22	18.65	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	20.85	18.28	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	20.81	18.24	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	20.76	18.19	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	18.56	15.99	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	18.51	15.94	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	18.73	16.16	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.04	20.47	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.15	20.58	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	22.66	20.09	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.19	20.62	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	23.28	20.71	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	22.16	19.59	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	22.27	19.7	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	22.34	19.77	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	21.13	18.56	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	20.79	18.22	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	20.87	18.3	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	20.61	18.04	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	18.46	15.89	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	18.57	16	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	18.63	16.06	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.19	20.62	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.16	20.59	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	22.82	20.25	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.39	20.82	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.34	20.77	38.45	PASS



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N5	15	20	DFT-QPSK	L	Outer_Full	22.34	19.77	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	22.41	19.84	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	22.35	19.78	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	21.32	18.75	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	20.97	18.4	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	20.84	18.27	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	20.36	17.79	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	18.71	16.14	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	18.66	16.09	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	18.77	16.2	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.19	20.62	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.15	20.58	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	22.8	20.23	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.38	20.81	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.28	20.71	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	22.34	19.77	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	22.39	19.82	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	22.35	19.78	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	21.28	18.71	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	20.96	18.39	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	20.89	18.32	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	20.79	18.22	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	18.61	16.04	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	18.64	16.07	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	18.82	16.25	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.16	20.59	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.2	20.63	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	22.73	20.16	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.37	20.8	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.39	20.82	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	22.28	19.71	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	22.35	19.78	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	22.39	19.82	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	21.23	18.66	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	20.89	18.32	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	20.96	18.39	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	20.52	17.95	38.45	PASS



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N5	15	20	DFT-256QAM	H	Inner_1RB_Left	18.62	16.05	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	18.68	16.11	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	18.7	16.13	38.45	PASS



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Peak-to-Average Ratio for SA

Test Result

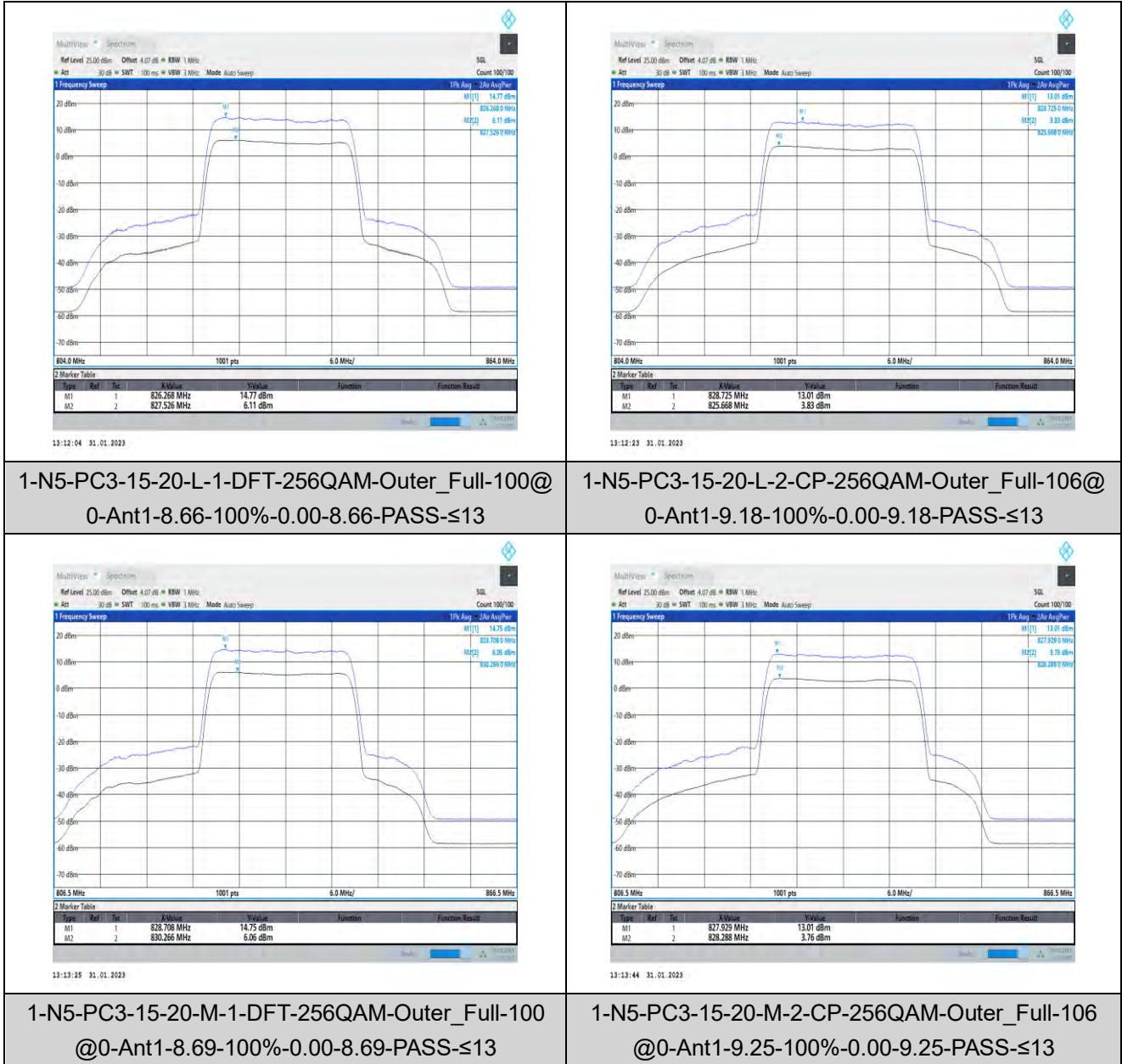
Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.66	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.18	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.69	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.25	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.75	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.14	≤13	PASS

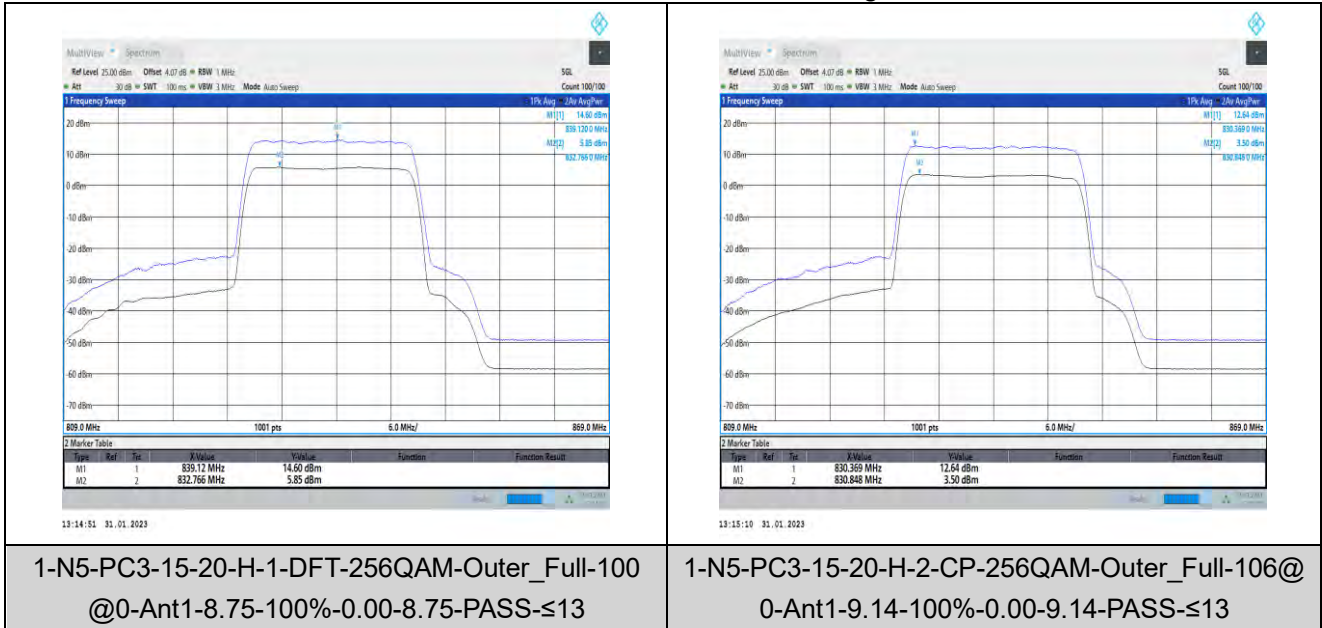


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Test Graphs





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Modulation characteristics for SA

Test Result

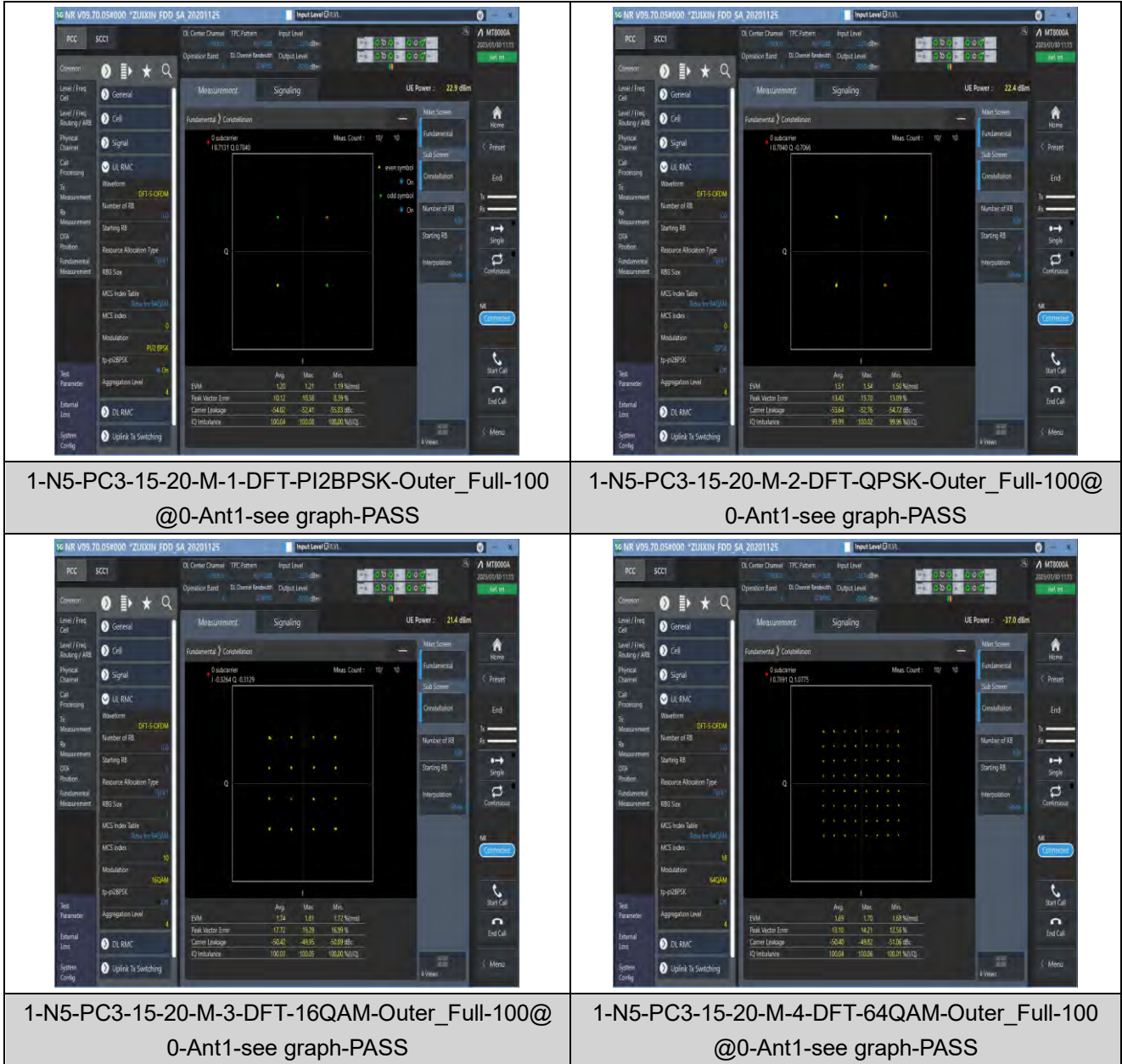
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-256QAM	M	Outer_Full	see graph	PASS



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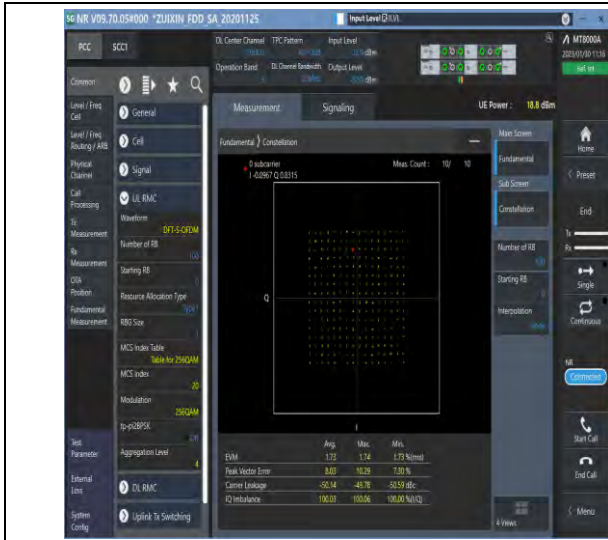
Test Graphs



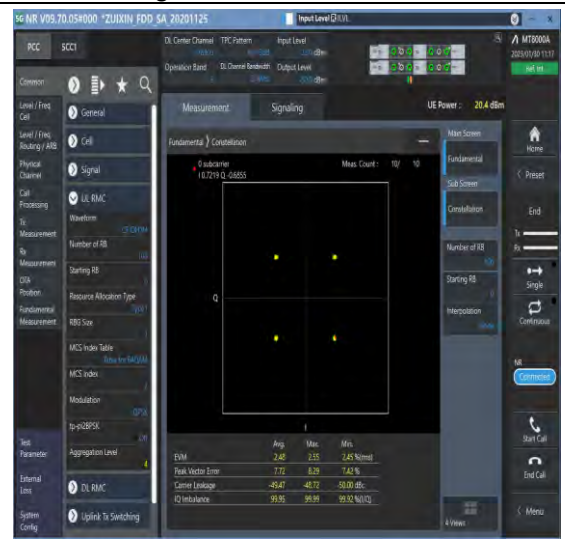
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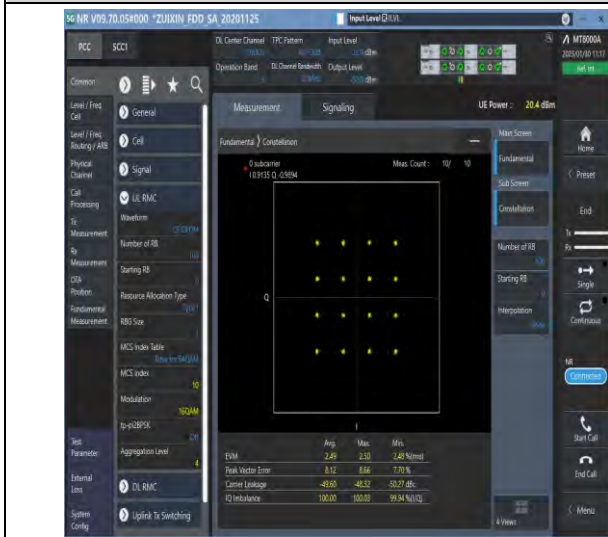
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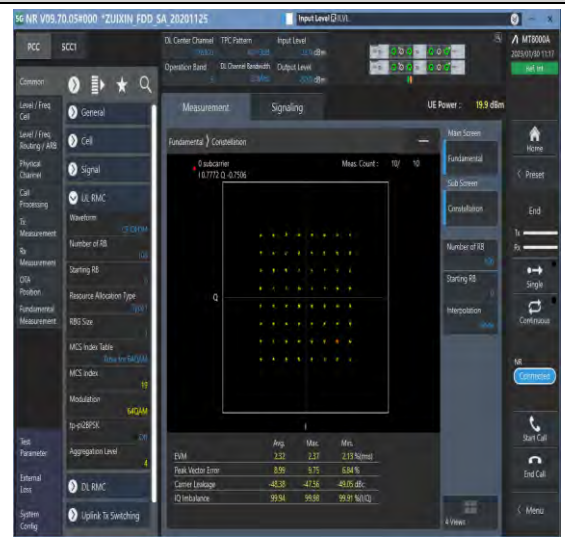
1-N5-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100 @0-Ant1-see graph-PASS



1-N5-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-see graph-PASS



1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-see graph-PASS



1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS



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	Avg	Max	Min
EVM	1.54	1.97	1.93 %
Peak Vector Error	6.67	8.51	5.08 %
Carrier Leakage	-48.43	-48.63	-50.28 dBc
IQ Imbalance	100.02	100.05	98.96 %/IQ

1-N5-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
N5	15	5	DFT-QPSK	L	Outer_Full	4.478	4.880	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	4.465	4.860	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.472	4.770	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	4.455	4.780	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	4.479	4.770	PASS
N5	15	5	CP-QPSK	L	Outer_Full	4.467	4.800	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.464	4.780	PASS
N5	15	5	CP-64QAM	L	Outer_Full	4.466	4.880	PASS
N5	15	5	CP-256QAM	L	Outer_Full	4.451	4.750	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.461	4.770	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.465	4.860	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.464	4.800	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.457	4.820	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.464	4.840	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.47	4.850	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.476	4.820	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.48	4.880	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.466	4.780	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.47	4.840	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	4.475	4.830	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.464	4.760	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	4.473	4.830	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	4.479	4.800	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.468	4.780	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.474	4.770	PASS
N5	15	5	CP-64QAM	H	Outer_Full	4.473	4.820	PASS
N5	15	5	CP-256QAM	H	Outer_Full	4.465	4.810	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.906	9.600	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	8.932	9.600	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.896	9.400	PASS



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N5	15	10	DFT-64QAM	L	Outer_Full	8.927	9.620	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	8.928	9.660	PASS
N5	15	10	CP-QPSK	L	Outer_Full	9.276	9.880	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.264	9.920	PASS
N5	15	10	CP-64QAM	L	Outer_Full	9.304	9.900	PASS
N5	15	10	CP-256QAM	L	Outer_Full	9.275	9.880	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.925	9.540	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.946	9.680	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.915	9.460	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.938	9.480	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.91	9.500	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.303	9.900	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.297	9.860	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.274	9.840	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.289	9.880	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.904	9.600	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	8.916	9.660	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.898	9.400	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	8.908	9.500	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	8.903	9.540	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.259	9.820	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.268	9.700	PASS
N5	15	10	CP-64QAM	H	Outer_Full	9.284	9.780	PASS
N5	15	10	CP-256QAM	H	Outer_Full	9.286	9.860	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	13.443	14.190	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	13.429	14.250	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	13.446	14.190	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	13.43	14.280	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	13.448	14.190	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.123	14.760	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.129	14.880	PASS
N5	15	15	CP-64QAM	L	Outer_Full	14.081	14.880	PASS
N5	15	15	CP-256QAM	L	Outer_Full	14.126	14.880	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.44	14.280	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.451	14.190	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.497	14.250	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.442	14.340	PASS



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Wireless Laboratory Technical Services

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t (86-512) 62992980 sgs.china@sgs.com



N5	15	15	DFT-256QAM	M	Outer_Full	13.434	14.310	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.141	14.820	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.139	14.940	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.159	14.760	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.127	14.880	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	13.403	14.280	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	13.421	14.160	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	13.412	14.280	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	13.414	14.220	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	13.419	14.250	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.078	14.730	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.089	14.820	PASS
N5	15	15	CP-64QAM	H	Outer_Full	14.113	14.940	PASS
N5	15	15	CP-256QAM	H	Outer_Full	14.156	14.880	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	17.908	18.840	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	17.934	19.160	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	17.923	18.960	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	17.899	18.880	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	17.914	18.760	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.973	19.800	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.972	19.720	PASS
N5	15	20	CP-64QAM	L	Outer_Full	18.932	19.800	PASS
N5	15	20	CP-256QAM	L	Outer_Full	18.963	19.880	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.91	18.920	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.924	18.880	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.905	18.960	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.894	19.000	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.904	18.880	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.931	19.880	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.951	19.840	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.899	19.880	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.912	19.960	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	17.888	18.960	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	17.881	18.760	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	17.908	18.800	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	17.869	18.840	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	17.883	18.640	PASS



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Report No.: SEWA2210000069RG02

Rev.: 01

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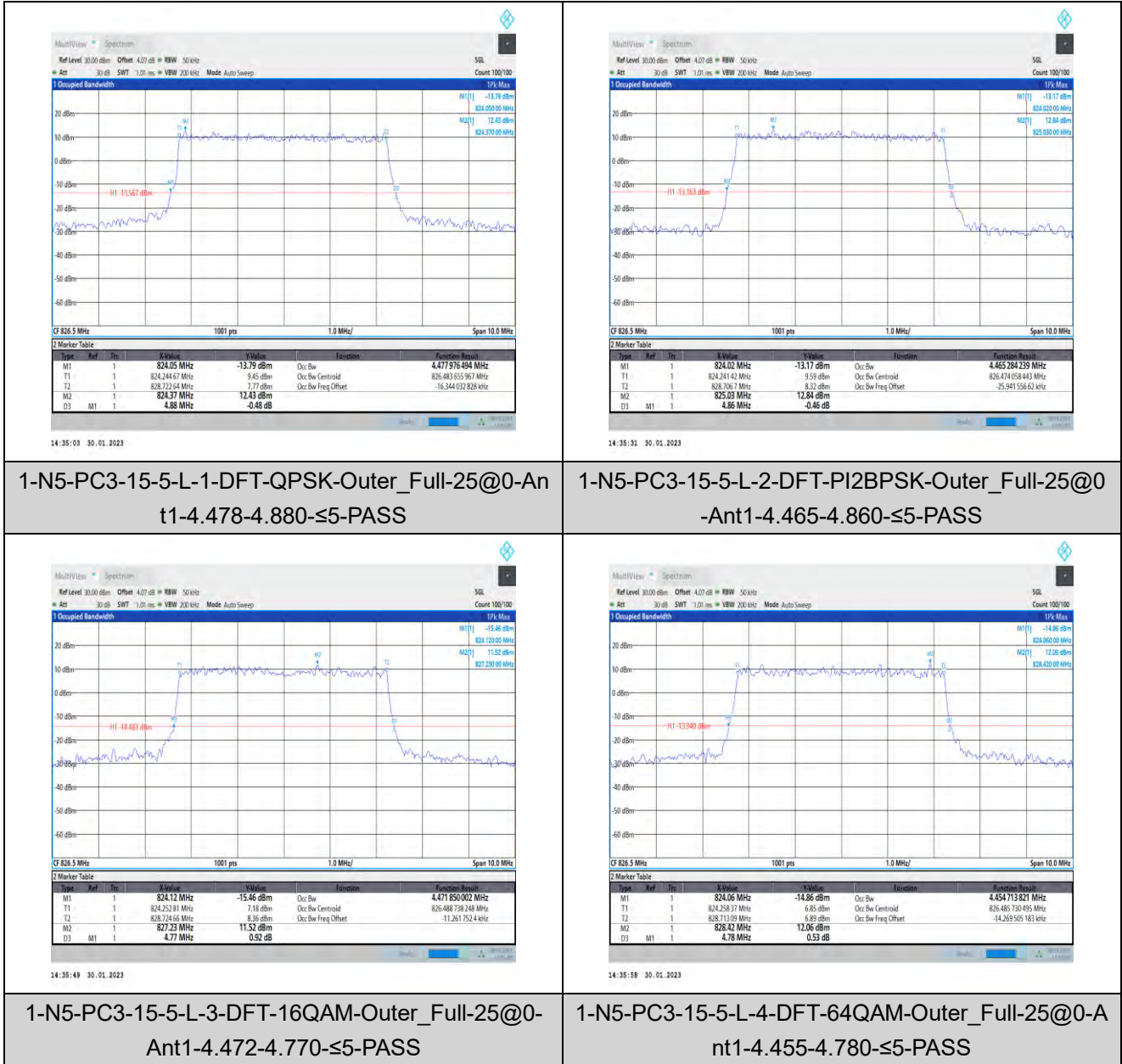
N5	15	20	CP-QPSK	H	Outer_Full	18.917	19.880	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.926	19.920	PASS
N5	15	20	CP-64QAM	H	Outer_Full	18.922	19.720	PASS
N5	15	20	CP-256QAM	H	Outer_Full	18.902	20.000	PASS



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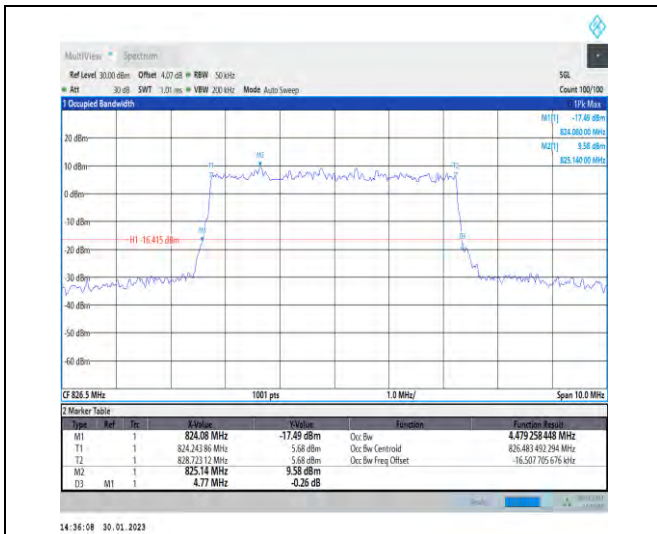
Test Graphs



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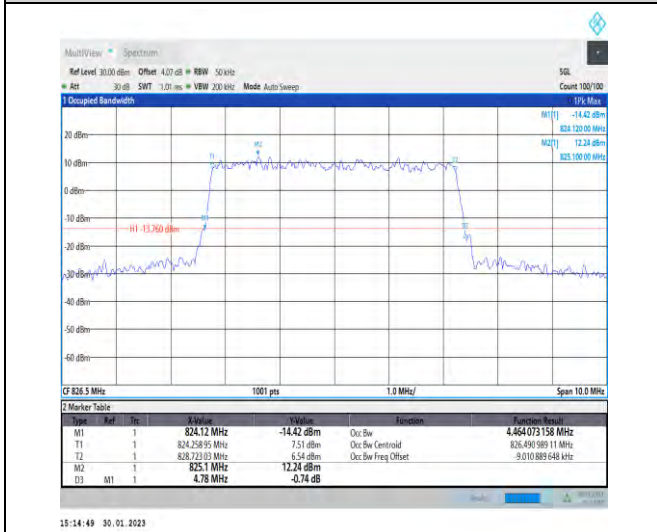
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1-N5-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.479-4.770-≤5-PASS



1-N5-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant 1-4.467-4.800-≤5-PASS



1-N5-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-A nt1-4.464-4.780-≤5-PASS



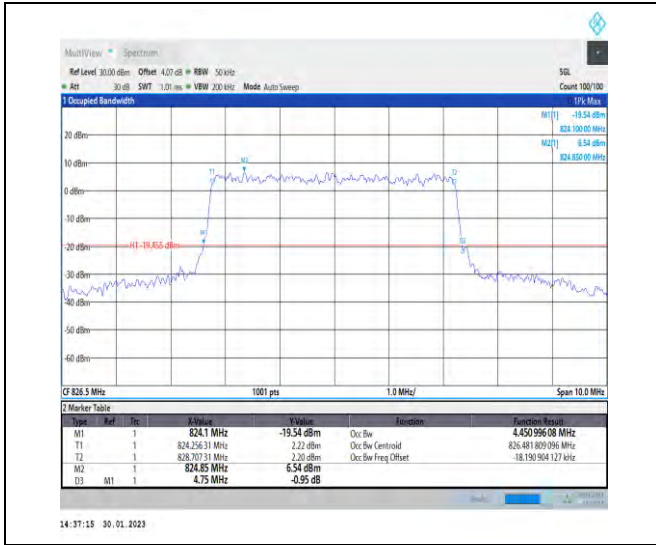
1-N5-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-An t1-4.466-4.880-≤5-PASS



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1-N5-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.451-4.750-≤5-PASS

1-N5-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.461-4.770-≤5-PASS



1-N5-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.465-4.860-≤5-PASS

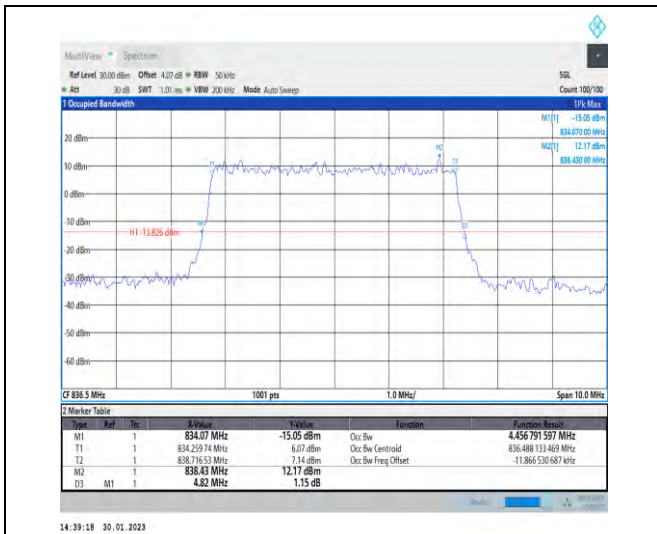
1-N5-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.464-4.800-≤5-PASS



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1-N5-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.457-4.820-≤5-PASS

1-N5-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.464-4.840-≤5-PASS



1-N5-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.47-4.850-≤5-PASS

1-N5-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.476-4.820-≤5-PASS



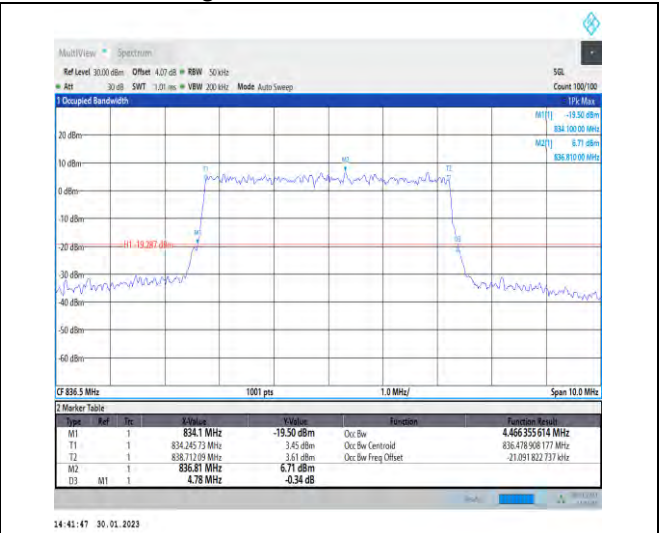
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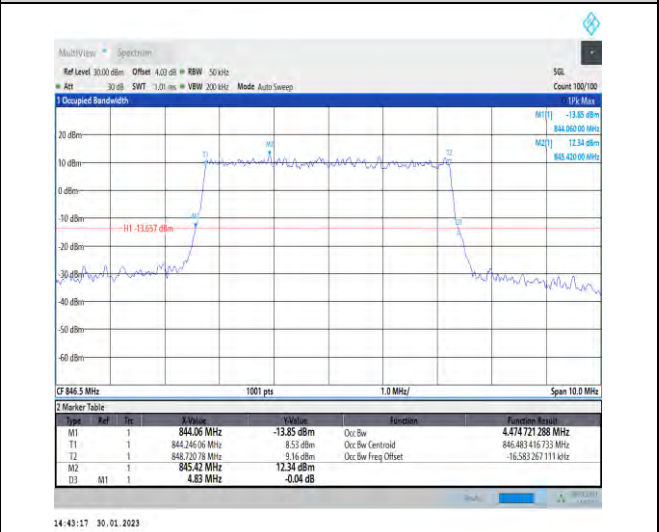
1-N5-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-A
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1-N5-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-A
 Ant1-4.466-4.780-≤5-PASS



1-N5-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-A
 nt1-4.47-4.840-≤5-PASS



1-N5-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-A
 -Ant1-4.475-4.830-≤5-PASS



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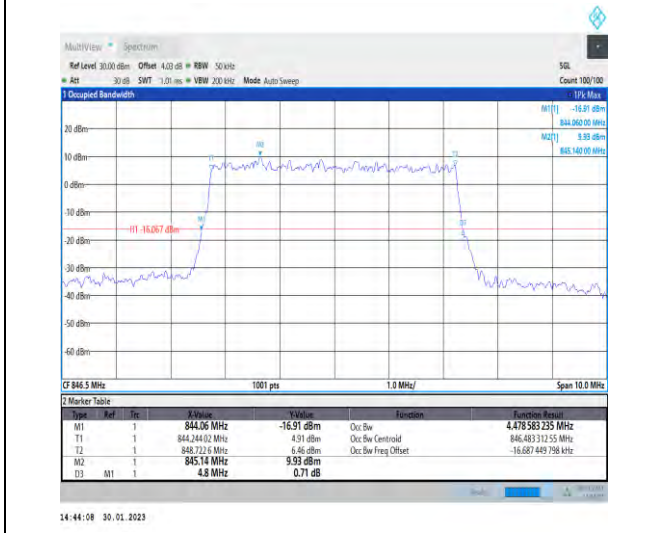
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1-N5-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.464-4.760-≤5-PASS

1-N5-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.473-4.830-≤5-PASS



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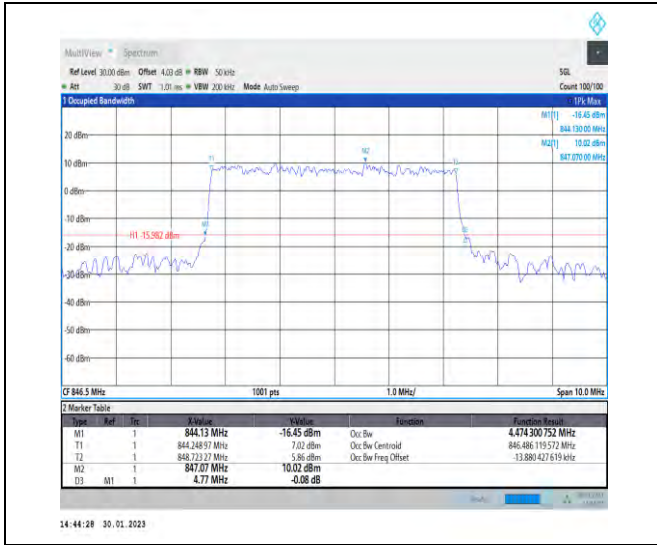
1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.468-4.780-≤5-PASS



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1-N5-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-A
 nt1-4.474-4.770-≤5-PASS



1-N5-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-A
 nt1-4.473-4.820-≤5-PASS



1-N5-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-A
 Ant1-4.465-4.810-≤5-PASS



1-N5-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-A
 nt1-8.906-9.600-≤10-PASS



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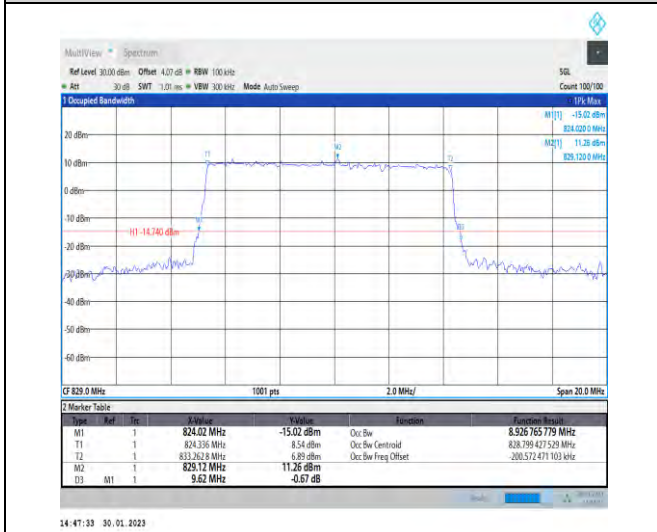
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1-N5-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.932-9.600-≤10-PASS



1-N5-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.896-9.400-≤10-PASS



1-N5-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.927-9.620-≤10-PASS



1-N5-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.928-9.660-≤10-PASS



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1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-A
nt1-9.276-9.880-≤10-PASS

1-N5-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-A
nt1-9.264-9.920-≤10-PASS



1-N5-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-A
Ant1-9.304-9.900-≤10-PASS

1-N5-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-A
Ant1-9.275-9.880-≤10-PASS



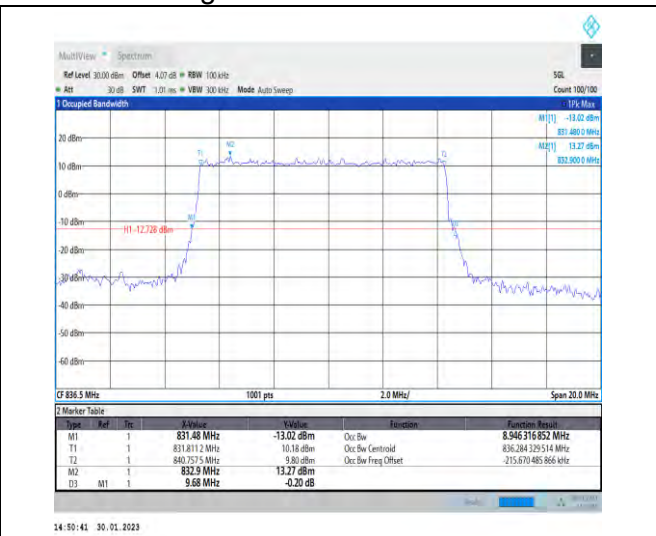
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1-N5-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.925-9.540-≤10-PASS



1-N5-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.946-9.680-≤10-PASS



1-N5-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.915-9.460-≤10-PASS



1-N5-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.938-9.480-≤10-PASS



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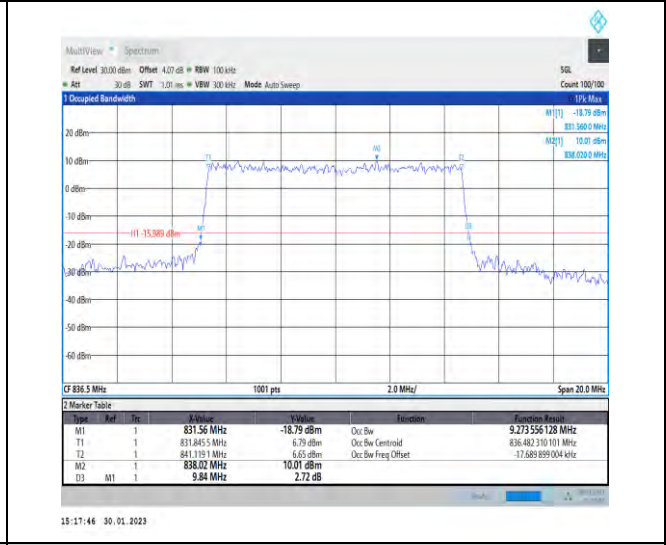
1-N5-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.91-9.500-≤10-PASS



1-N5-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.303-9.900-≤10-PASS



1-N5-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.297-9.860-≤10-PASS



1-N5-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.274-9.840-≤10-PASS



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1-N5-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
-Ant1-9.289-9.880-≤10-PASS



1-N5-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0
-Ant1-8.904-9.600-≤10-PASS



1-N5-PC3-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0
-Ant1-8.916-9.660-≤10-PASS



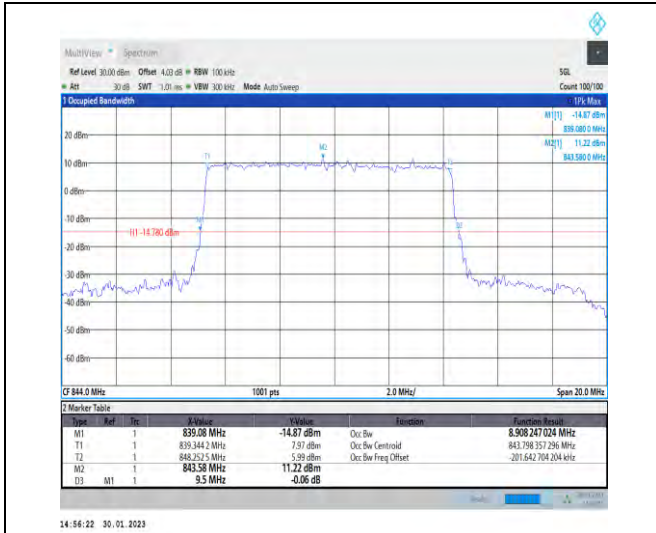
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-Ant1-8.898-9.400-≤10-PASS



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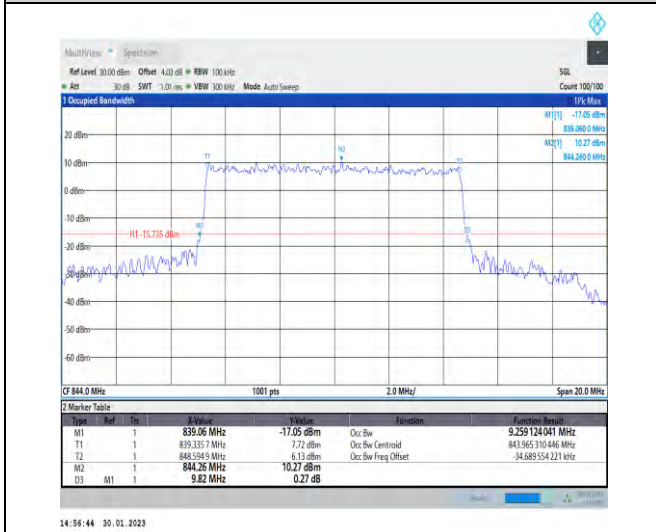
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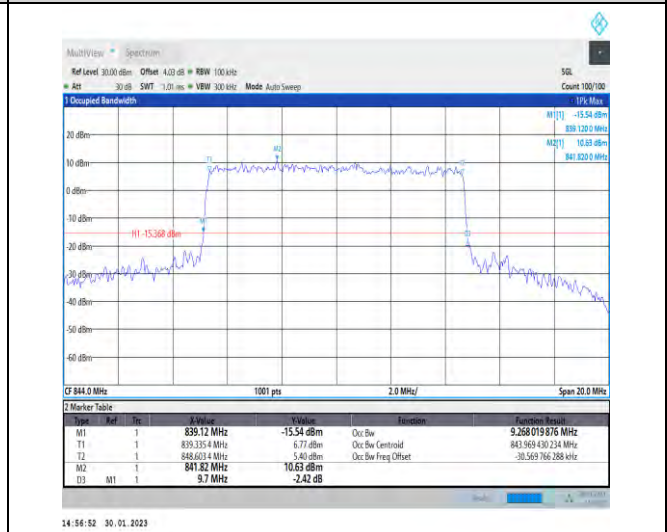
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1-N5-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0
-Ant1-8.903-9.540-≤10-PASS



1-N5-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-A
nt1-9.259-9.820-≤10-PASS



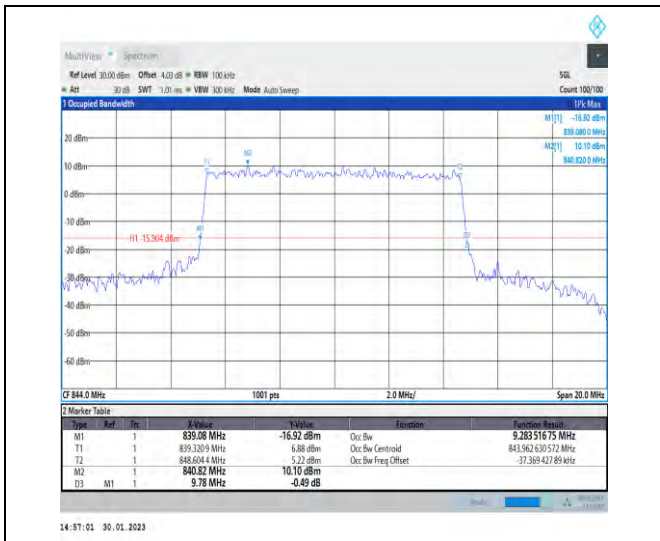
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Ant1-9.268-9.700-≤10-PASS



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1-N5-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.284-9.780-≤10-PASS



1-N5-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.286-9.860-≤10-PASS



1-N5-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.443-14.190-≤15-PASS



1-N5-PC3-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.429-14.250-≤15-PASS



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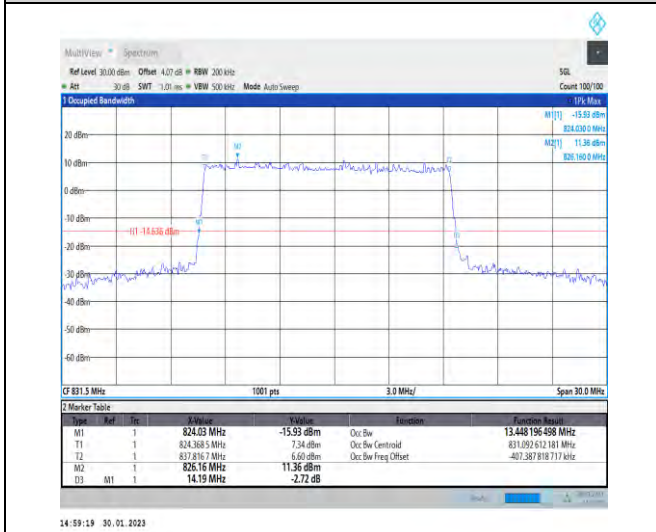
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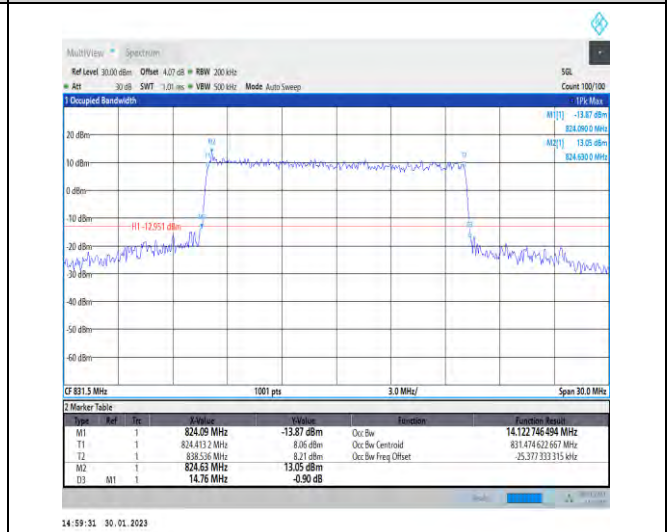
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1-N5-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.43-14.280-≤15-PASS



1-N5-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.448-14.190-≤15-PASS



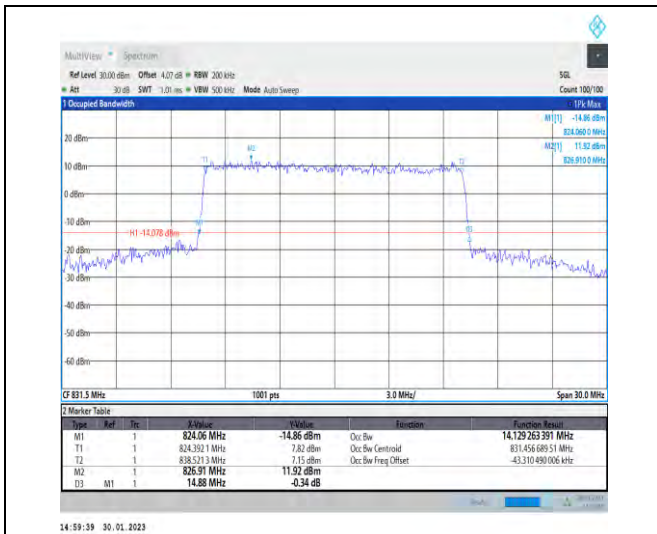
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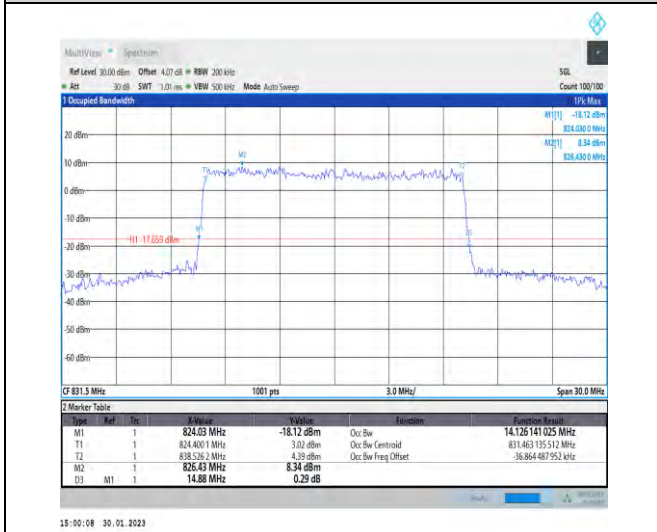
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1-N5-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.129-14.880-≤15-PASS



1-N5-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.081-14.880-≤15-PASS



1-N5-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.126-14.880-≤15-PASS



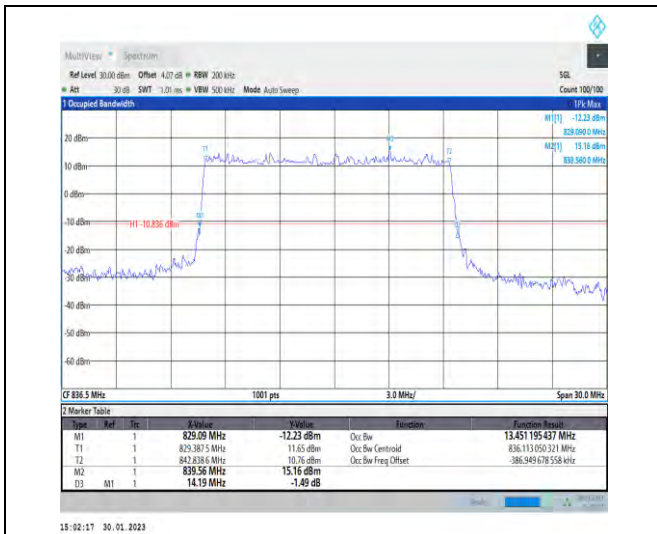
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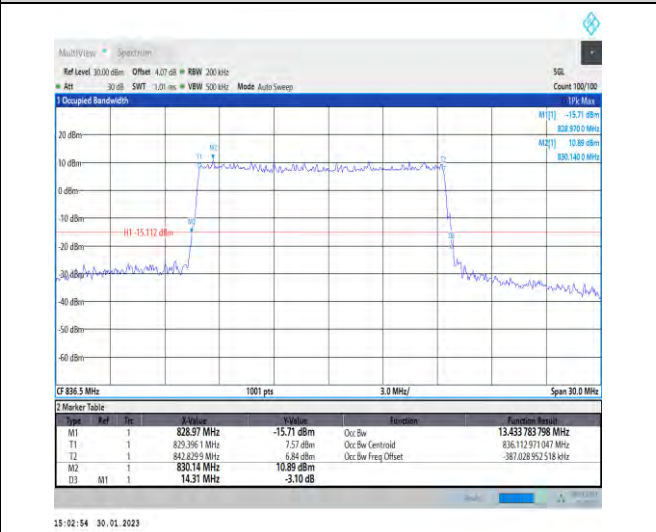
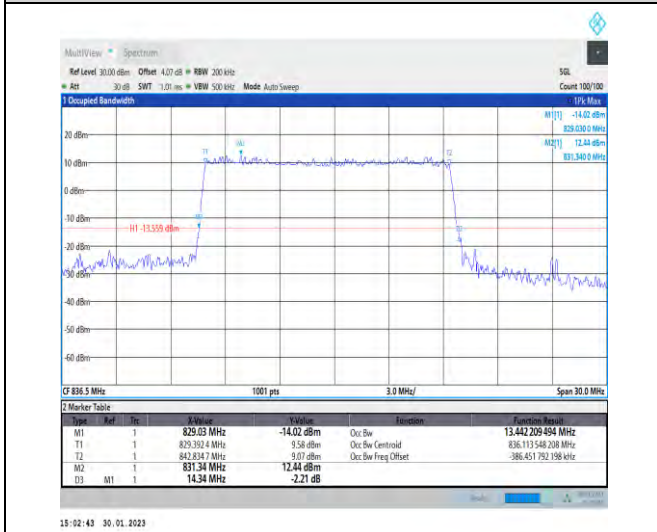
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1-N5-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.497-14.250-≤15-PASS



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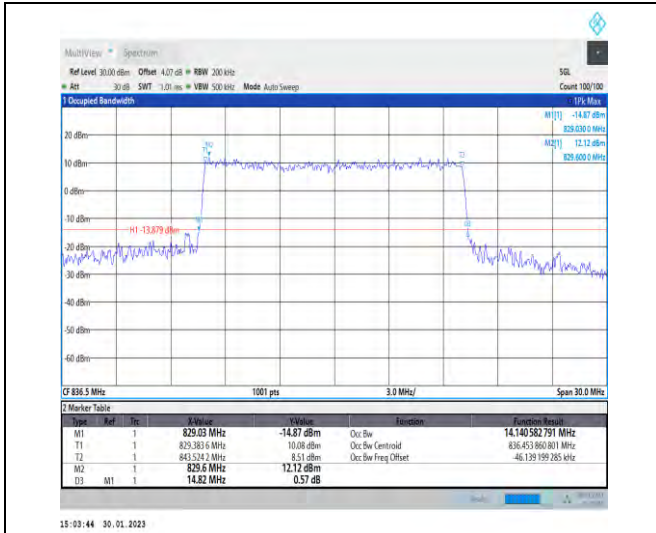
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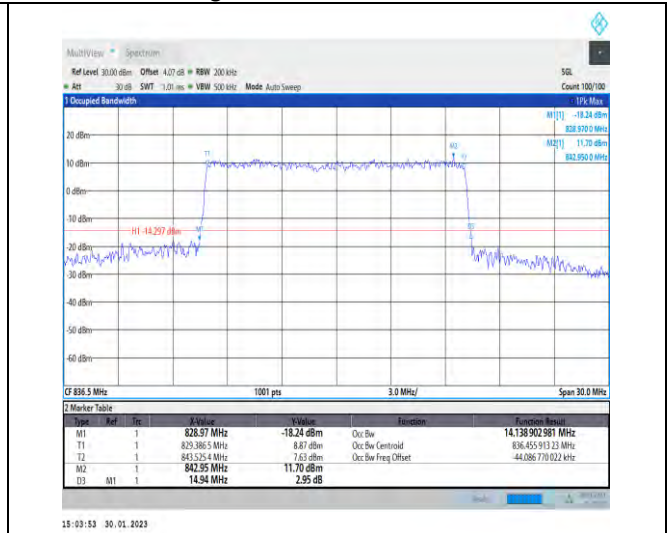
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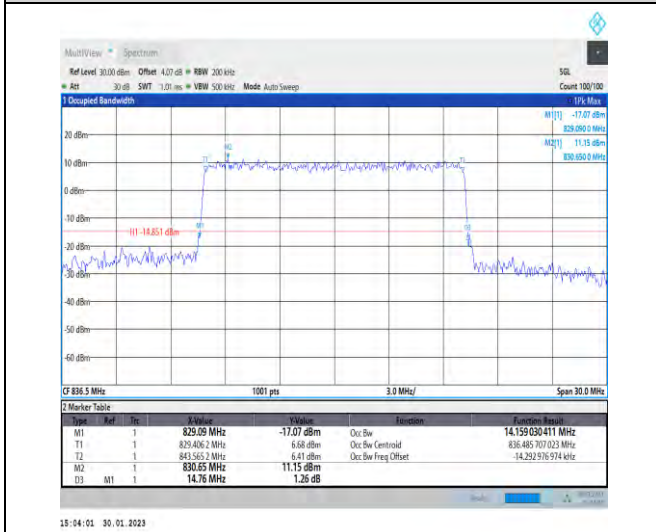
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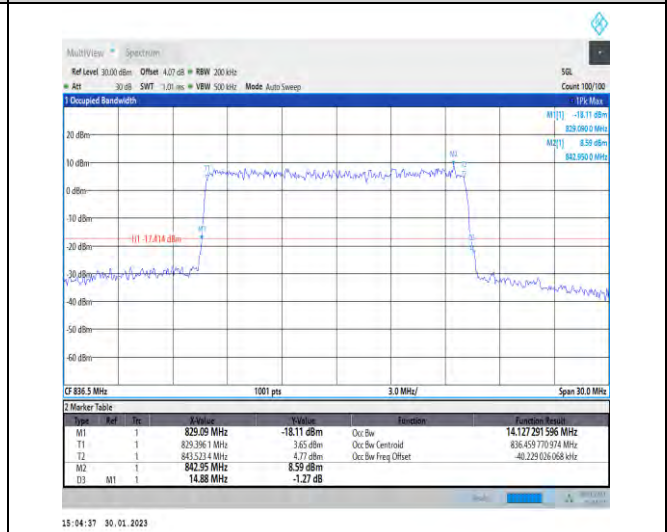
1-N5-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-A
 Ant1-14.141-14.820-≤15-PASS



1-N5-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-
 Ant1-14.139-14.940-≤15-PASS



1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-
 Ant1-14.159-14.760-≤15-PASS



1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-
 -Ant1-14.127-14.880-≤15-PASS



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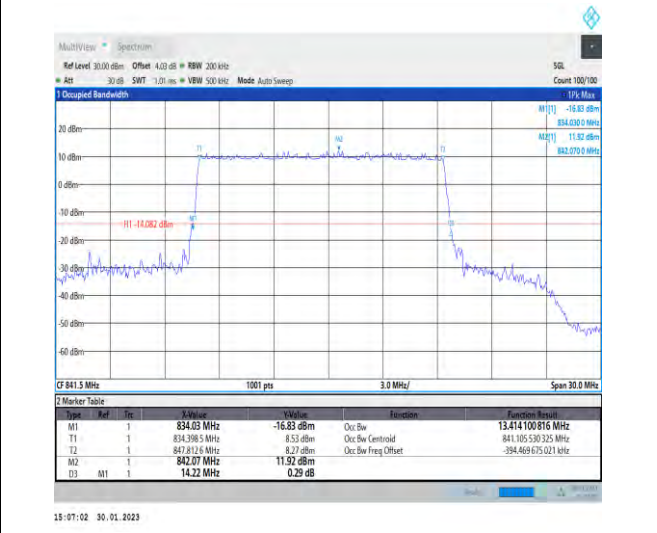
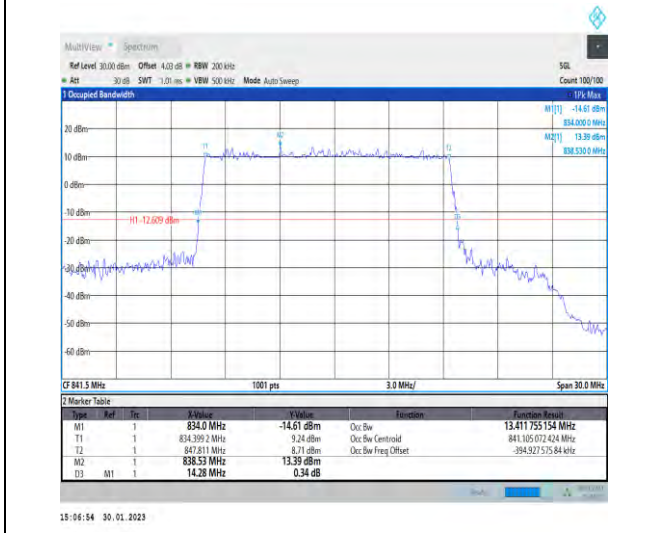
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1-N5-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.403-14.280-≤15-PASS

1-N5-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.421-14.160-≤15-PASS



1-N5-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.412-14.280-≤15-PASS

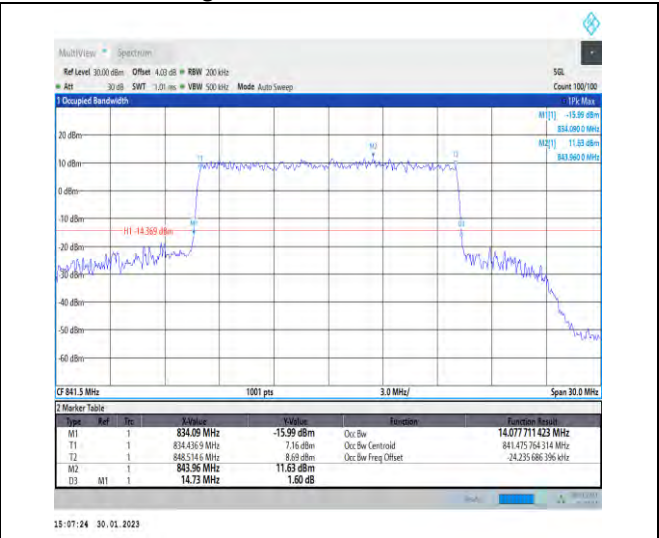
1-N5-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.414-14.220-≤15-PASS



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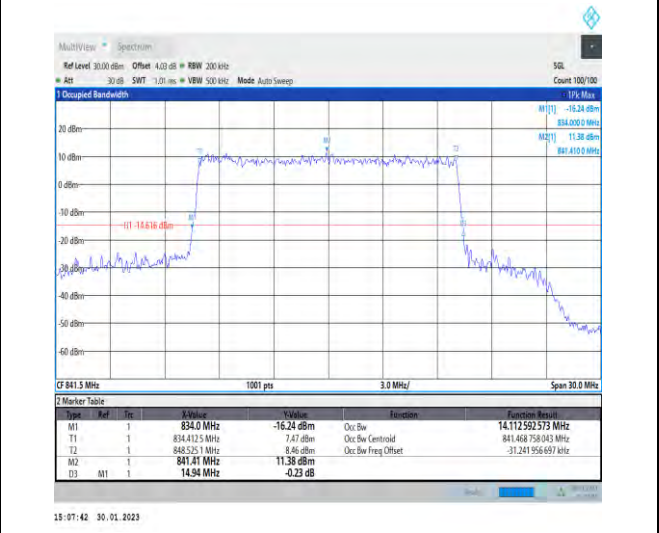
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1-N5-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.419-14.250-≤15-PASS

1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-14.078-14.730-≤15-PASS



1-N5-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant1-14.089-14.820-≤15-PASS

1-N5-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.113-14.940-≤15-PASS



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1-N5-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@0
 -Ant1-14.156-14.880-≤15-PASS



1-N5-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0
 -Ant1-17.908-18.840-≤20-PASS



1-N5-PC3-15-20-L-2-DFT-PI2BPSK-Outer_Full-100
 @0-Ant1-17.934-19.160-≤20-PASS



1-N5-PC3-15-20-L-3-DFT-16QAM-Outer_Full-100@
 0-Ant1-17.923-18.960-≤20-PASS



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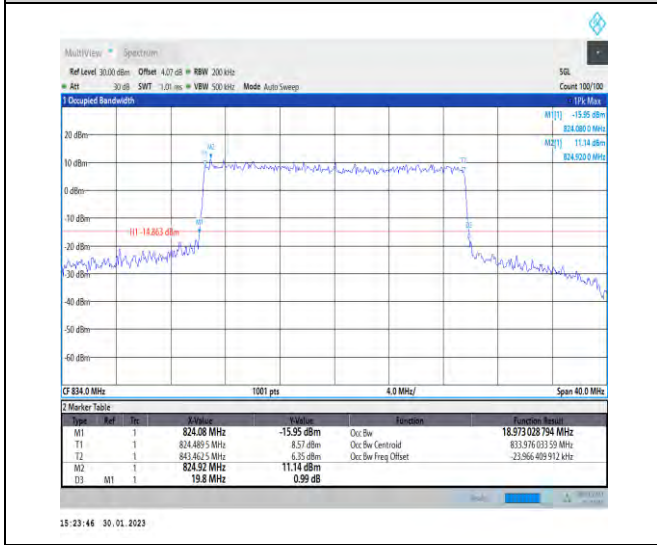
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1-N5-PC3-15-20-L-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.899-18.880-≤ 20-PASS

1-N5-PC3-15-20-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.914-18.760-≤ 20-PASS



1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-18.973-19.800-≤ 20-PASS

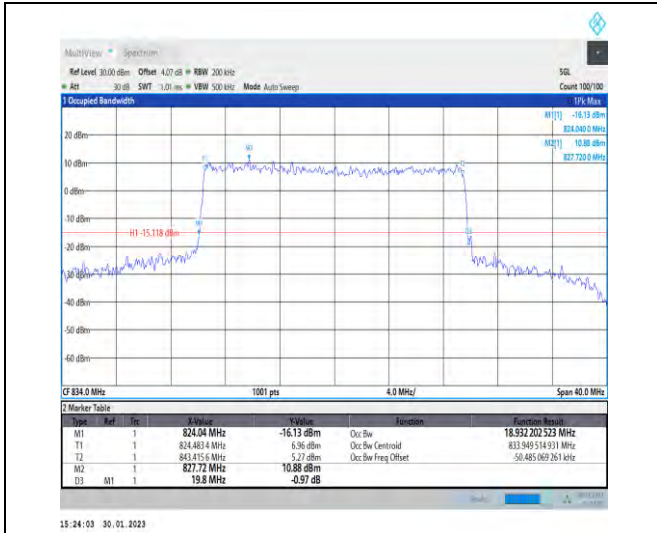
1-N5-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1-18.972-19.720-≤ 20-PASS



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1-N5-PC3-15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant1-18.932-19.800-<=20-PASS



1-N5-PC3-15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant1-18.963-19.880-<=20-PASS



1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.91-18.920-<=20-PASS



1-N5-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.924-18.880-<=20-PASS



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1-N5-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@
 0-Ant1-17.905-18.960-≤20-PASS



1-N5-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@
 0-Ant1-17.894-19.000-≤20-PASS



1-N5-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100
 @0-Ant1-17.904-18.880-≤20-PASS



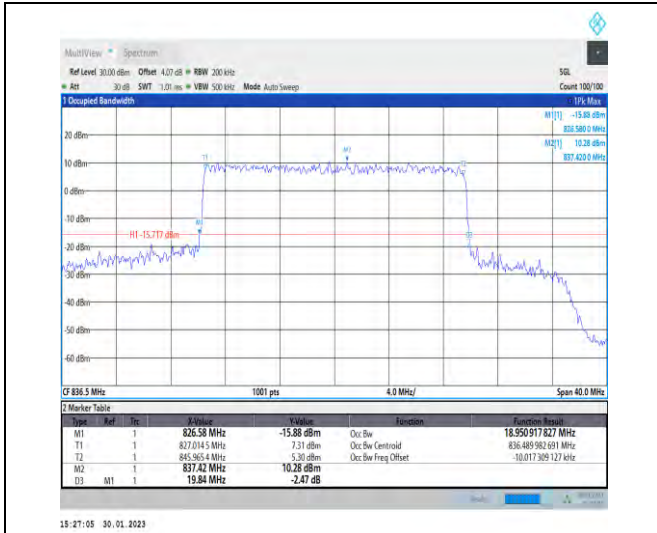
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 Ant1-18.931-19.880-≤20-PASS



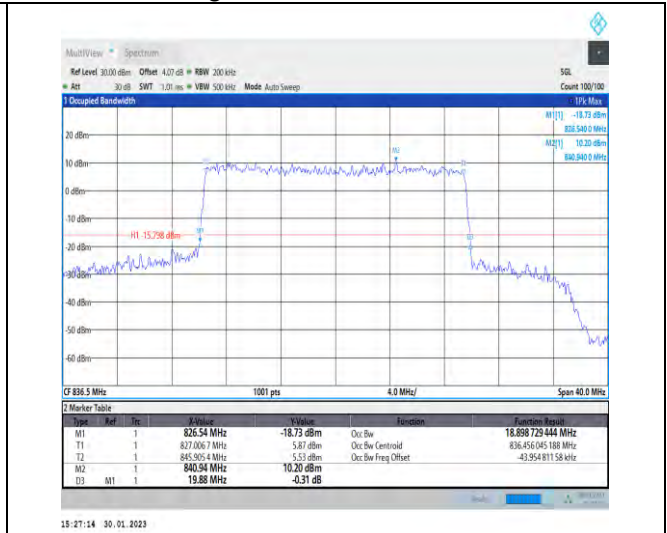
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1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0
 -Ant1-18.951-19.840-≤20-PASS



1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0
 -Ant1-18.899-19.880-≤20-PASS



1-N5-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0
 -Ant1-18.912-19.960-≤20-PASS



1-N5-PC3-15-20-H-1-DFT-QPSK-Outer_Full-100@0-
 Ant1-17.888-18.960-≤20-PASS



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1-N5-PC3-15-20-H-2-DFT-PI2BPSK-Outer_Full-100 @0-Ant1-17.881-18.760-≤20-PASS

1-N5-PC3-15-20-H-3-DFT-16QAM-Outer_Full-100 @0-Ant1-17.908-18.800-≤20-PASS



1-N5-PC3-15-20-H-4-DFT-64QAM-Outer_Full-100 @0-Ant1-17.869-18.840-≤20-PASS

1-N5-PC3-15-20-H-5-DFT-256QAM-Outer_Full-100 @0-Ant1-17.883-18.640-≤20-PASS



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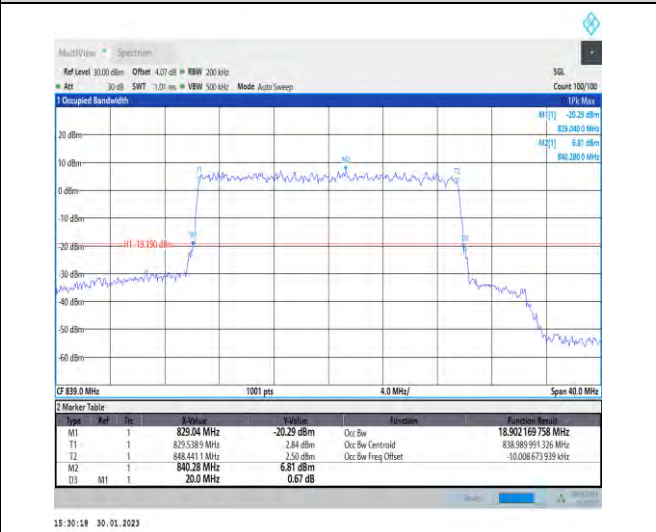
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1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-18.917-19.880-<=20-PASS

1-N5-PC3-15-20-H-7-CP-16QAM-Outer_Full-106@0-Ant1-18.926-19.920-<=20-PASS



1-N5-PC3-15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant1-18.922-19.720-<=20-PASS

1-N5-PC3-15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant1-18.902-20.000-<=20-PASS



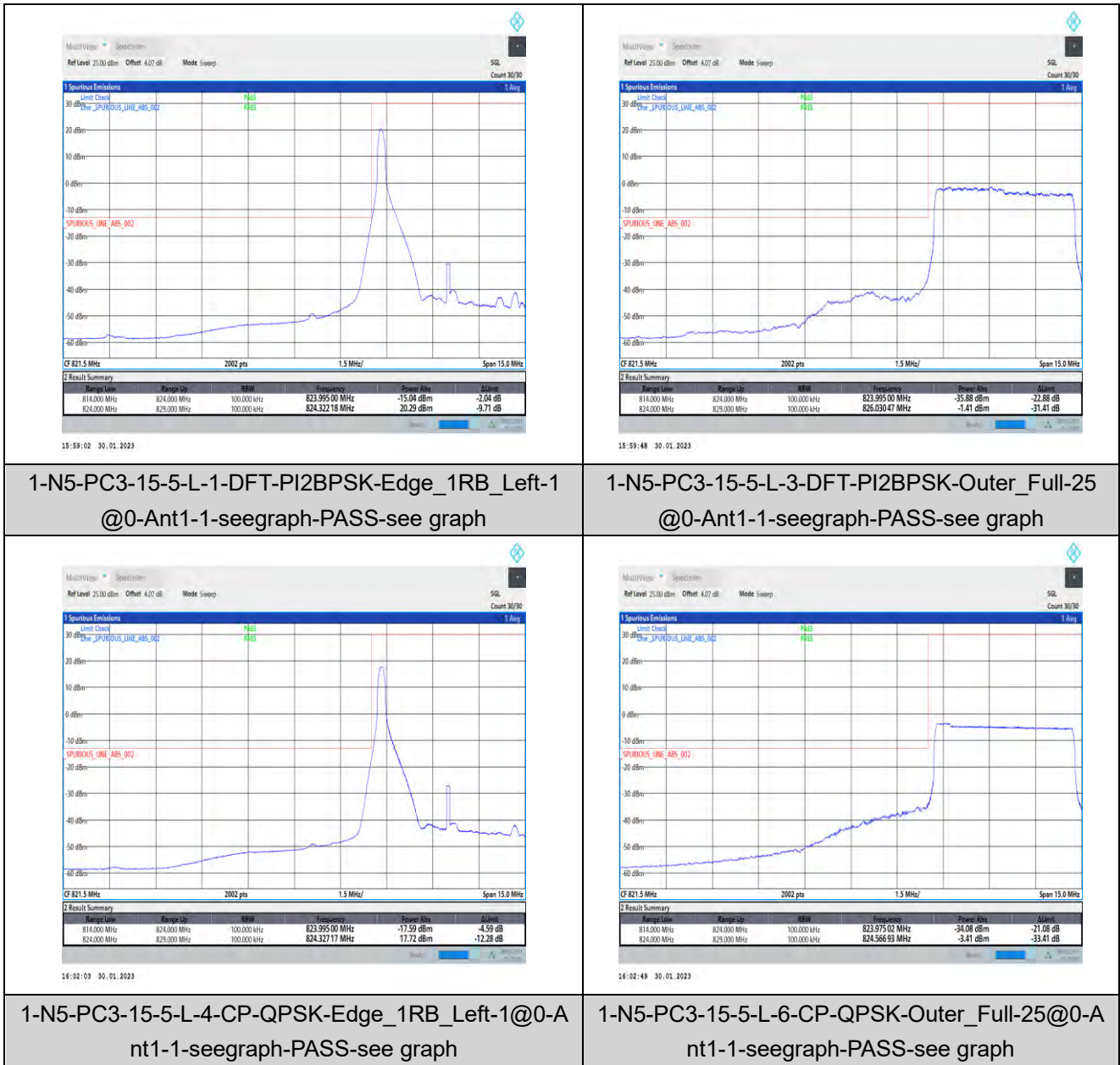
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Band Edge for SA

Test Graphs



1-N5-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-A nt1-1-seegraph-PASS-see graph

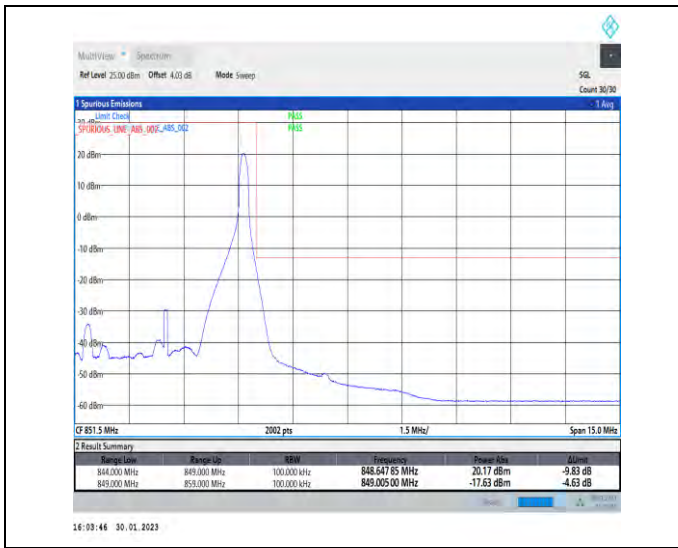
1-N5-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-A nt1-1-seegraph-PASS-see graph



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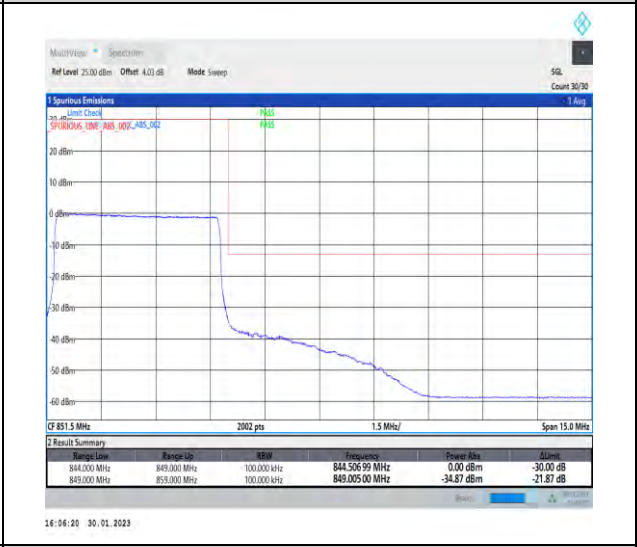
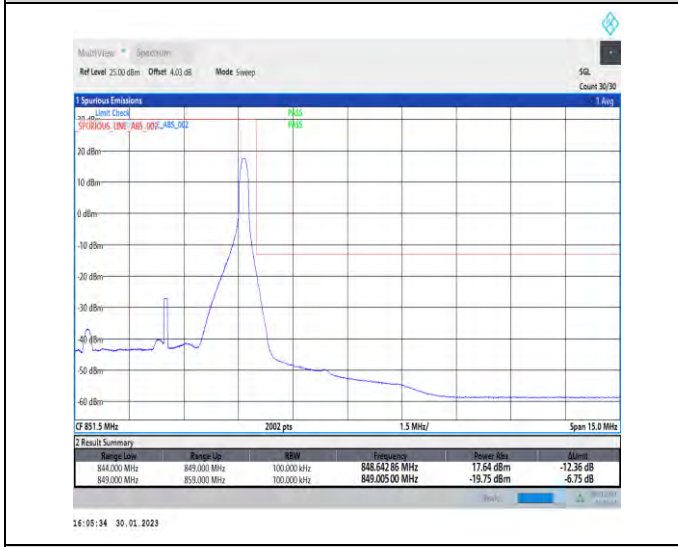
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1-N5-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1 @24-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant1-1-seegraph-PASS-see graph



1-N5-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@2 4-Ant1-1-seegraph-PASS-see graph

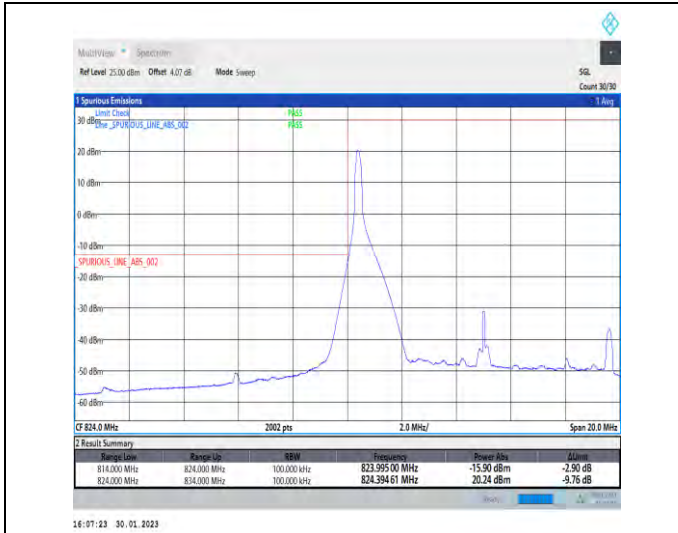
1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-A nt1-1-seegraph-PASS-see graph



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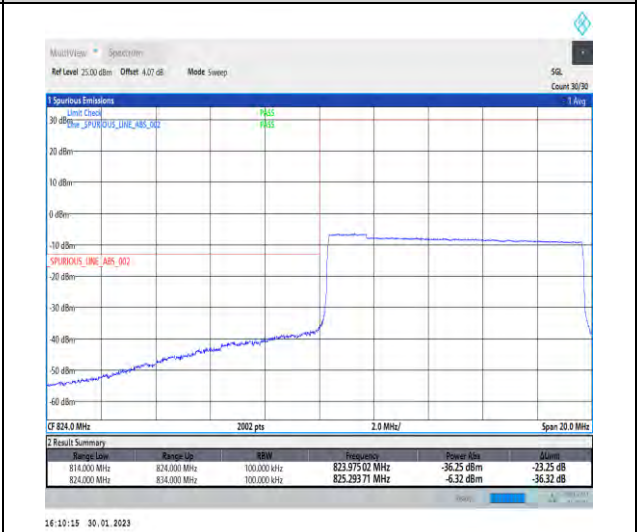
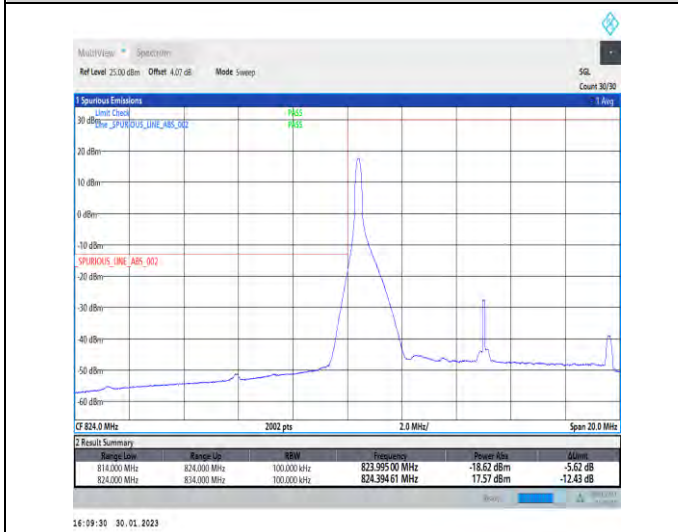
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1-N5-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50 @0-Ant1-1-seegraph-PASS-see graph



1-N5-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph

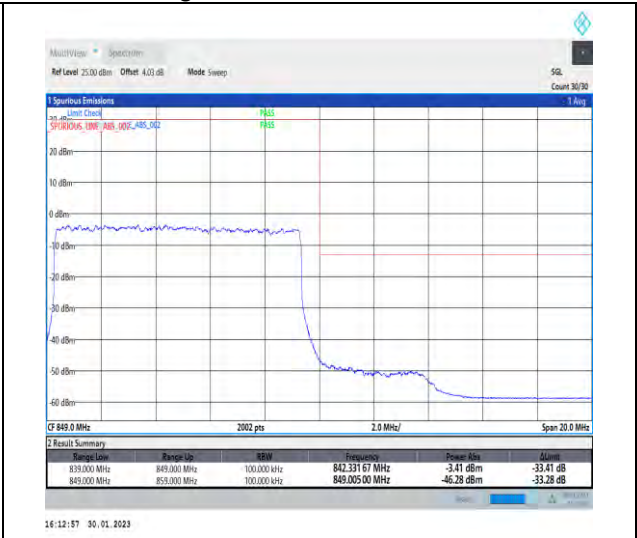
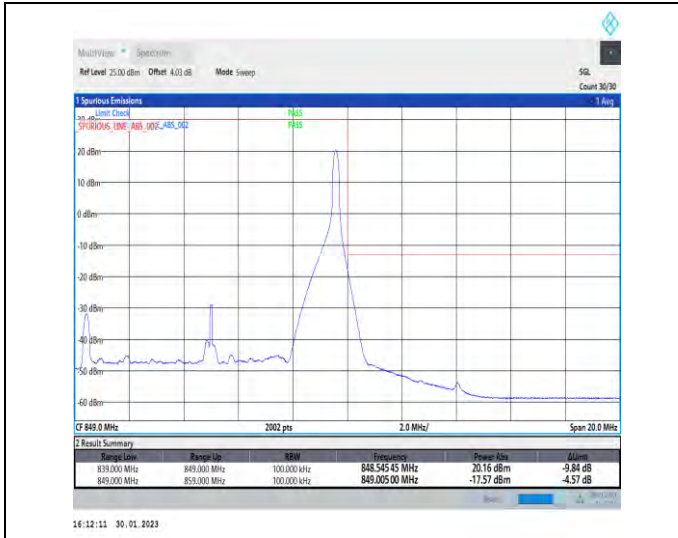
1-N5-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1-seegraph-PASS-see graph



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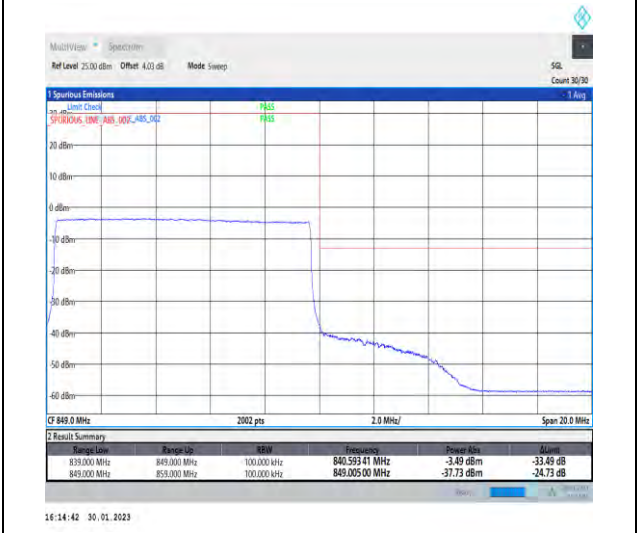
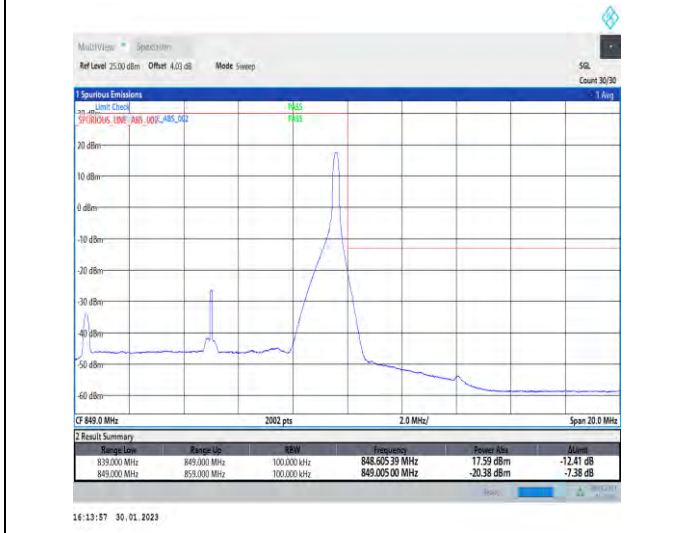
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1-N5-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1-seegraph-PASS-see graph



1-N5-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1-seegraph-PASS-see graph

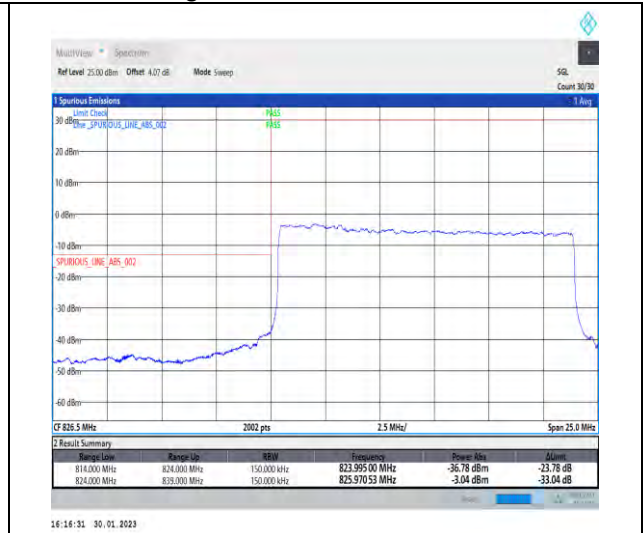
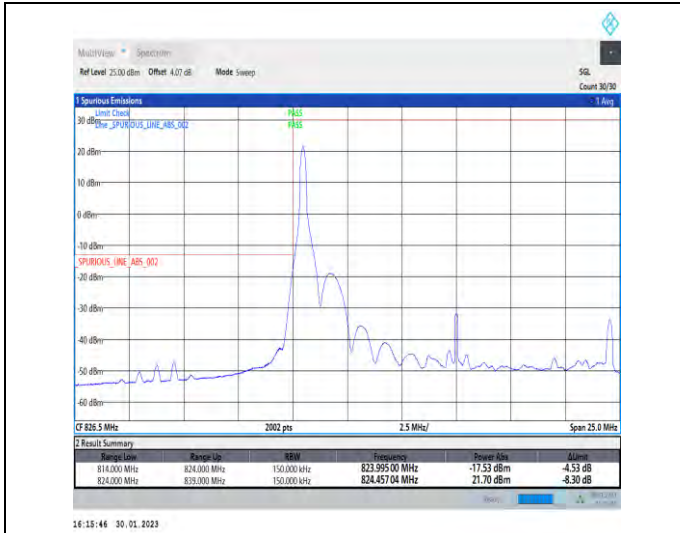
1-N5-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1-seegraph-PASS-see graph



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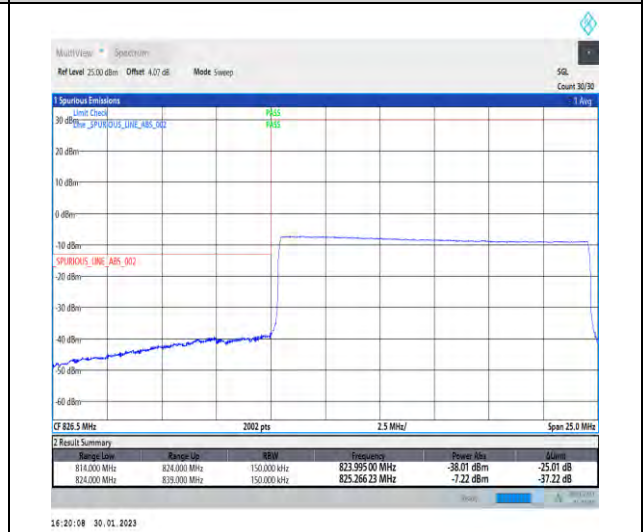
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1-N5-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75 @0-Ant1-1-seegraph-PASS-see graph



1-N5-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph

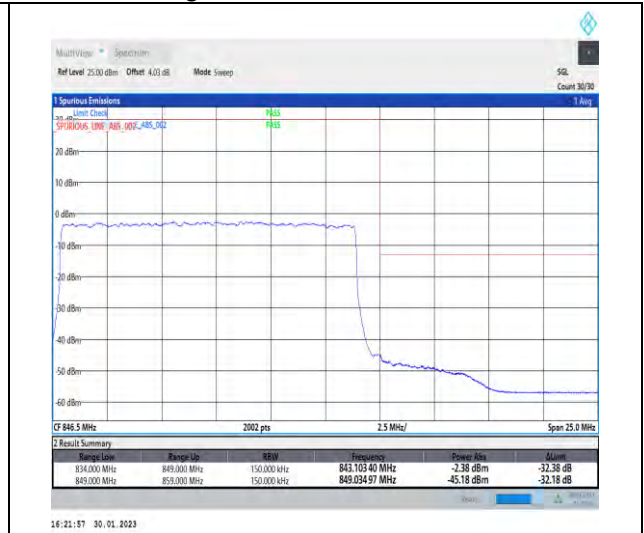
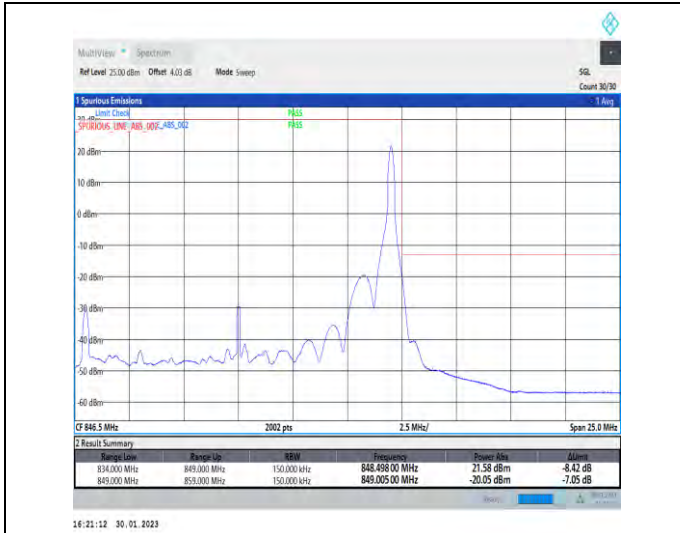
1-N5-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph



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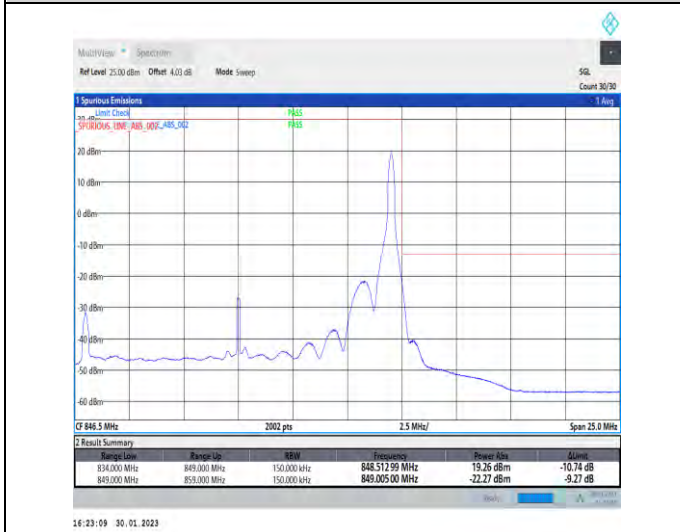
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1-N5-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1-seegraph-PASS-see graph



1-N5-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1-seegraph-PASS-see graph

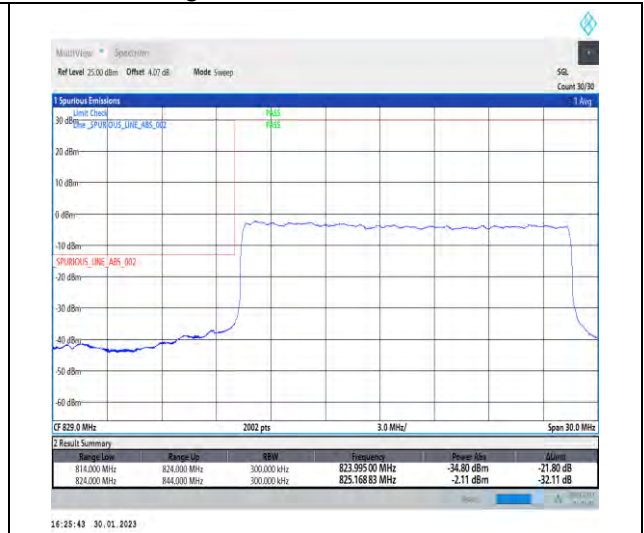
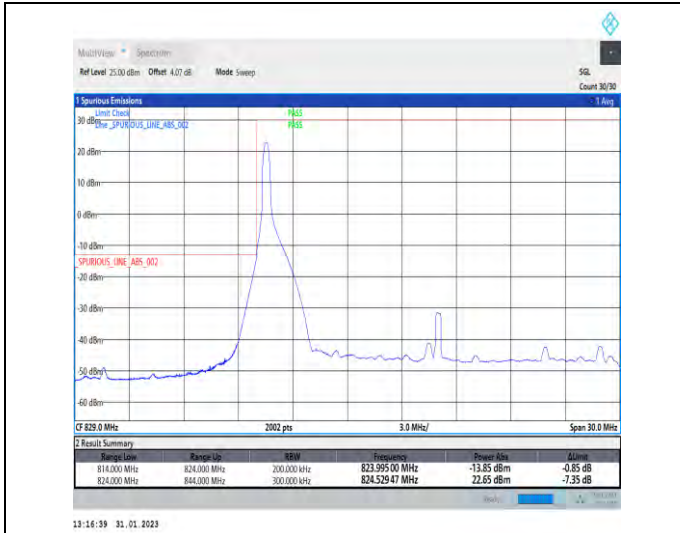
1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph



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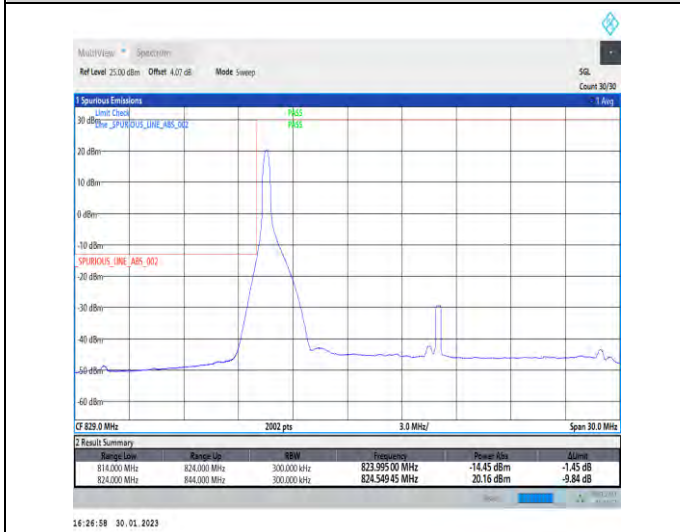
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1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-10 0@0-Ant1-1-seegraph-PASS-see graph



1-N5-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph

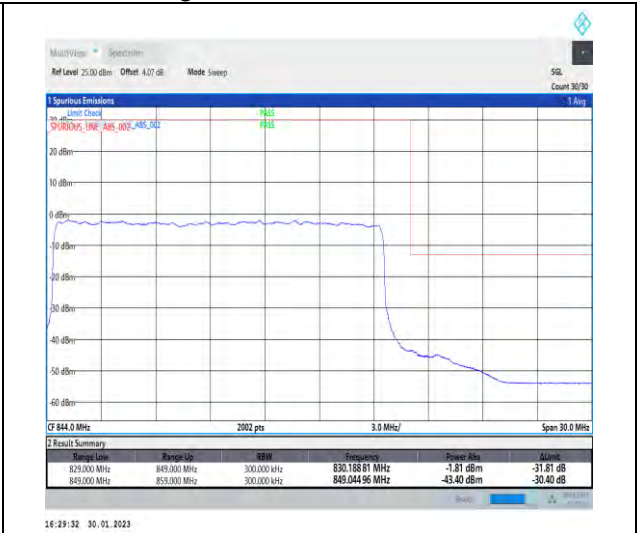
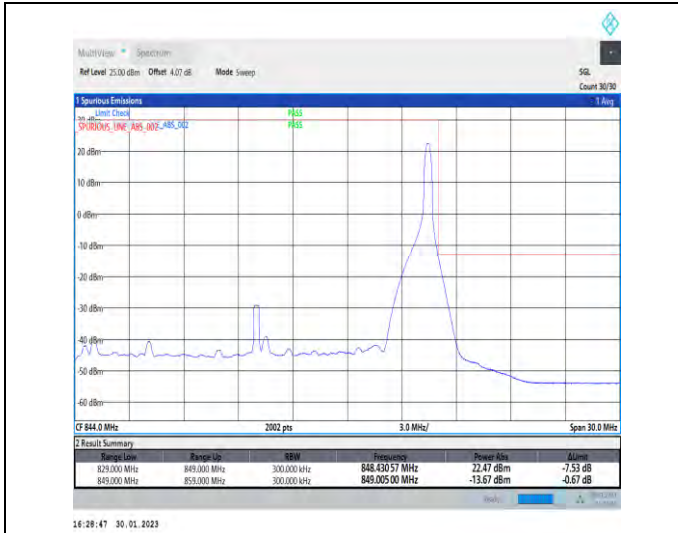
1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph



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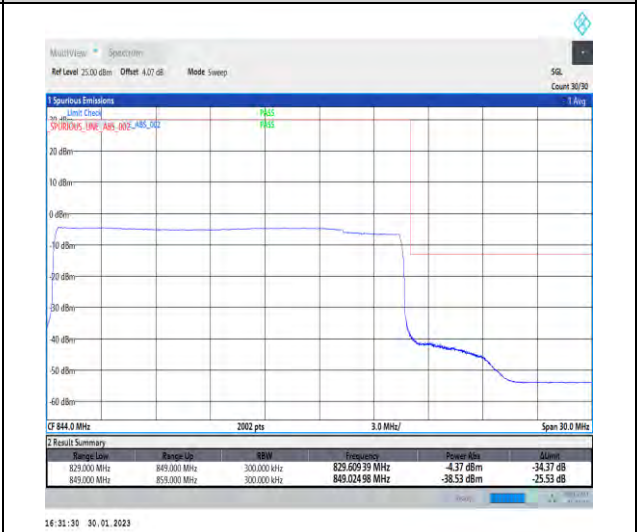
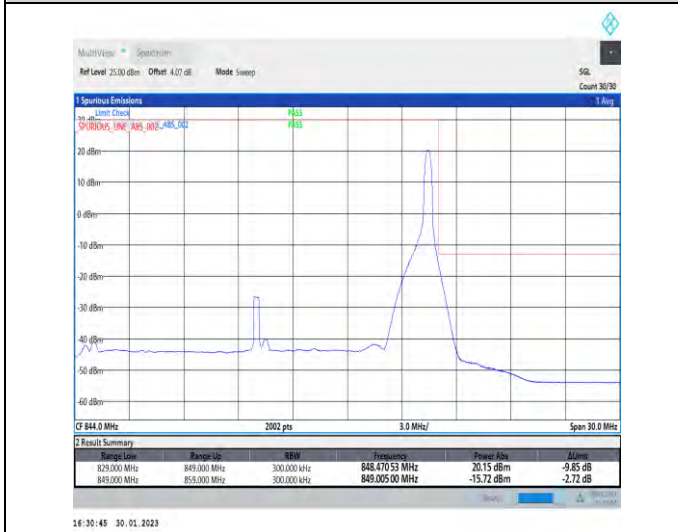
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1-N5-PC3-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N5-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1-seegraph-PASS-see graph

1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph



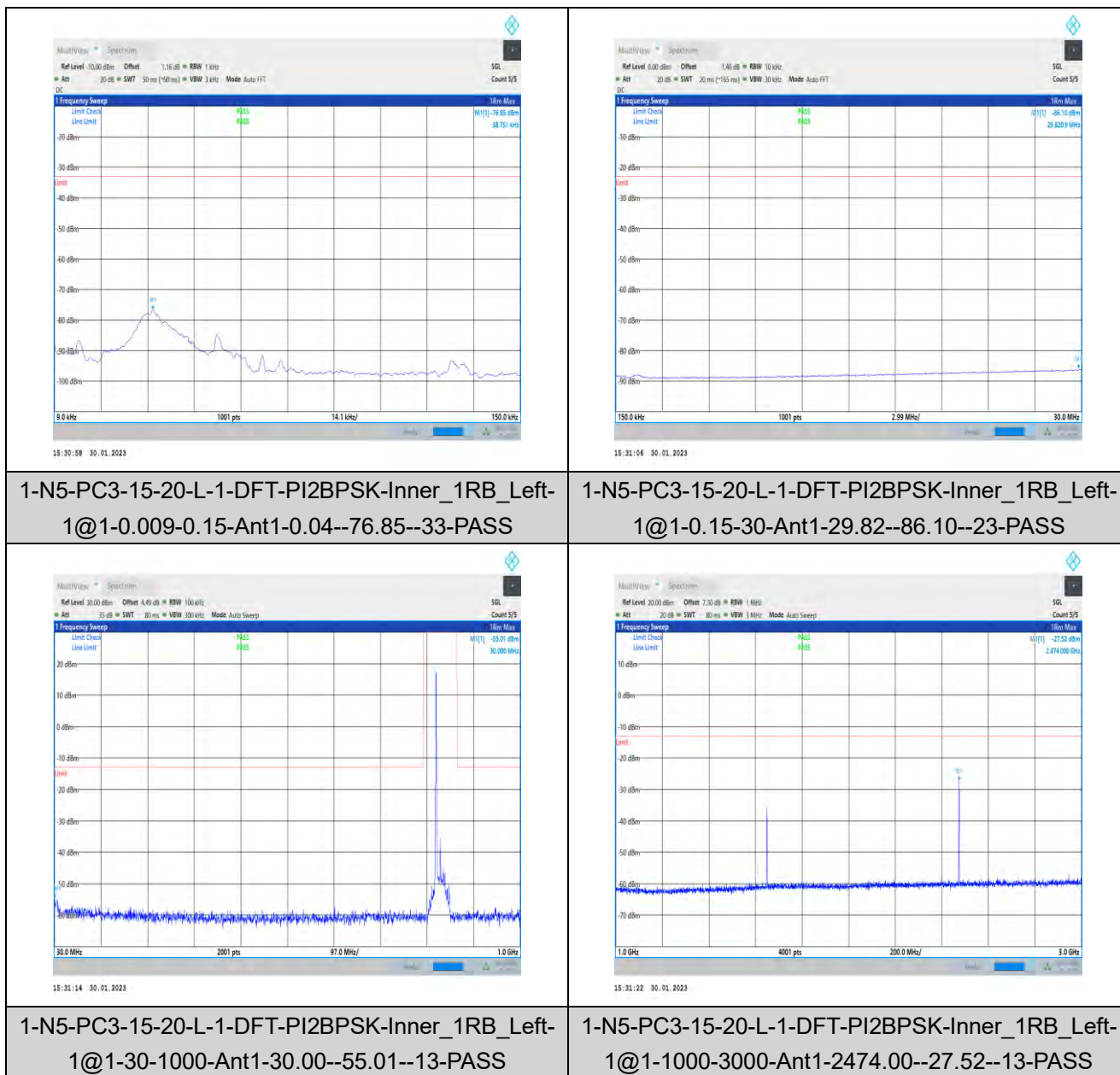
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Conducted Spurious Emission for SA

Test Graphs



1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.04--76.85--33-PASS

1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.82--86.10--23-PASS

1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-30.00--55.01--13-PASS

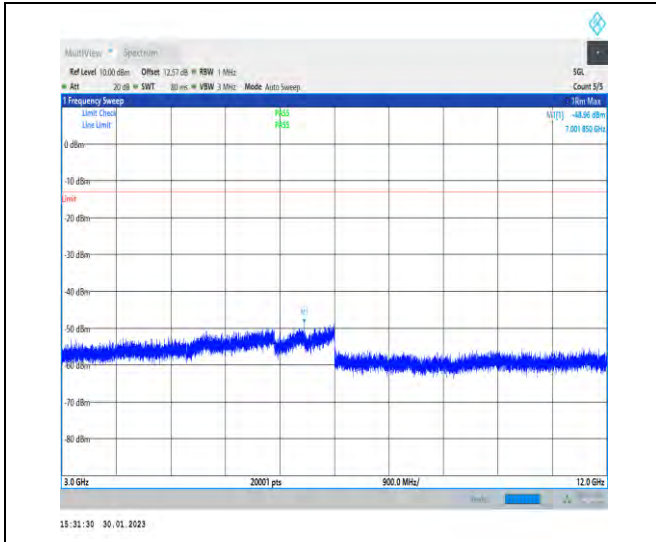
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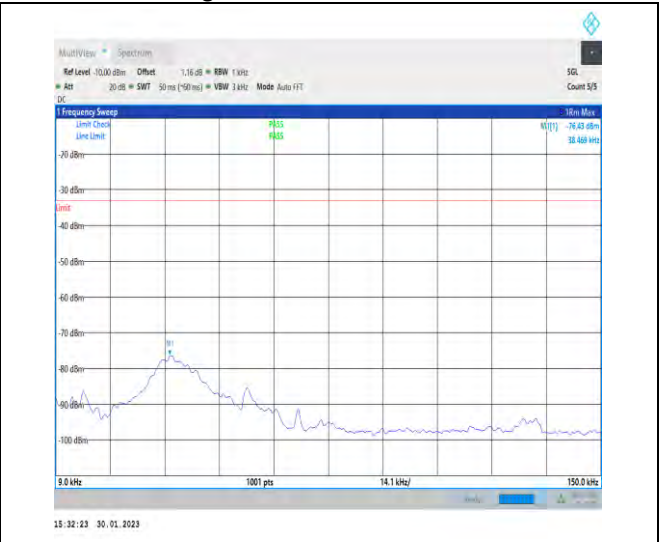
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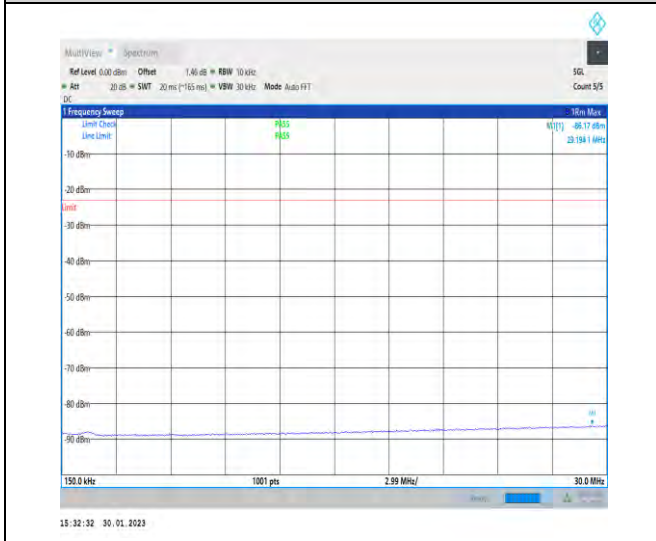
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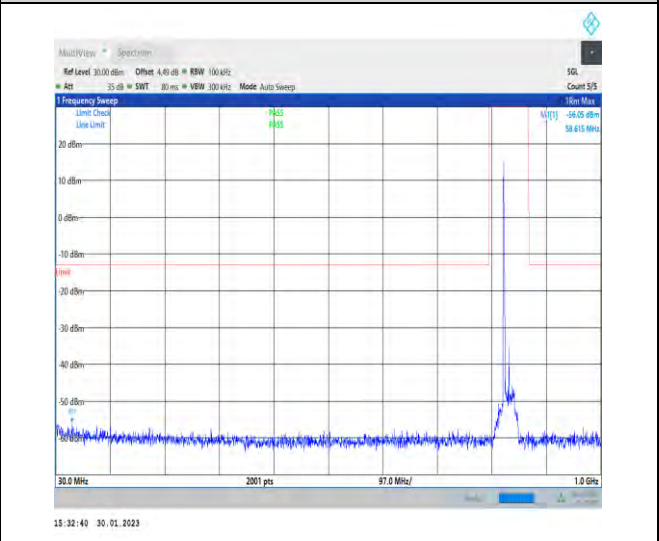
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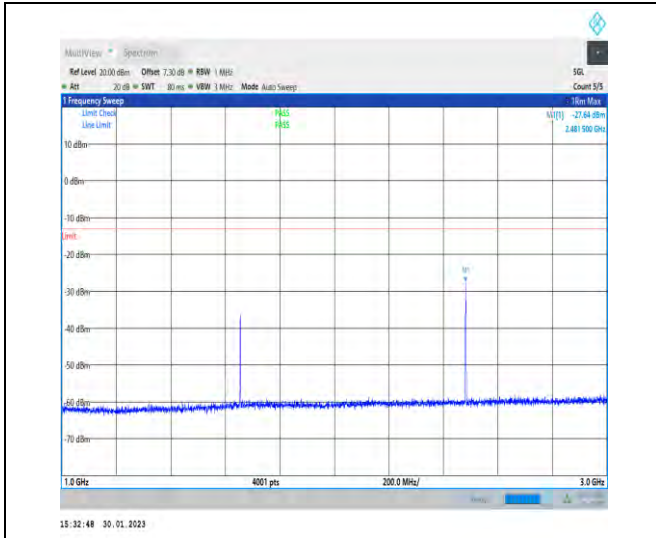
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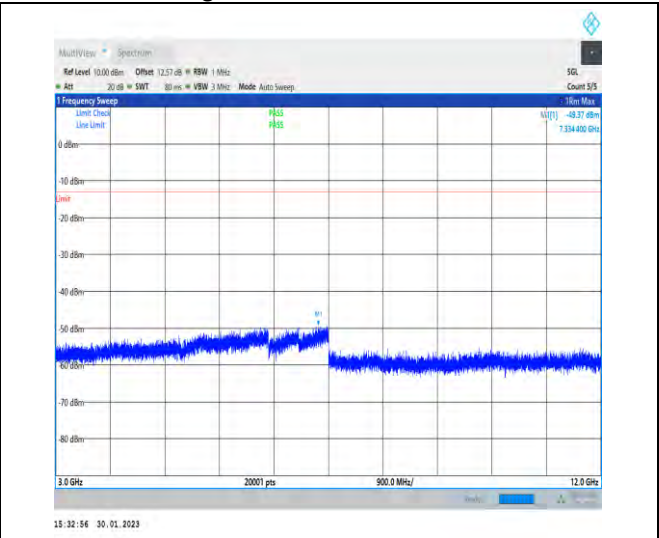
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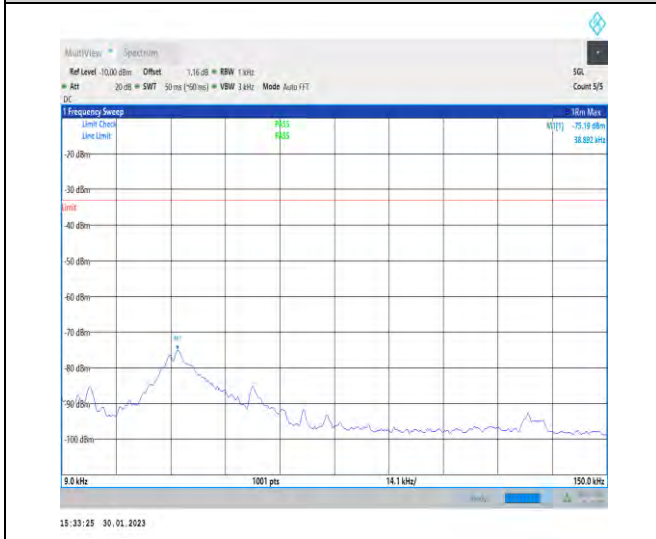
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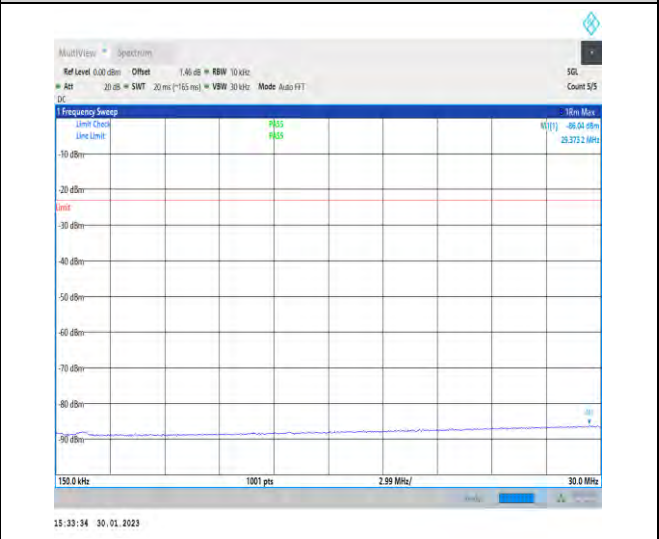
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1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant1-7334.40--49.37--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-0.009-0.15-Ant1-0.04--75.19--33-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-0.15-30-Ant1-29.37--86.04--23-PASS

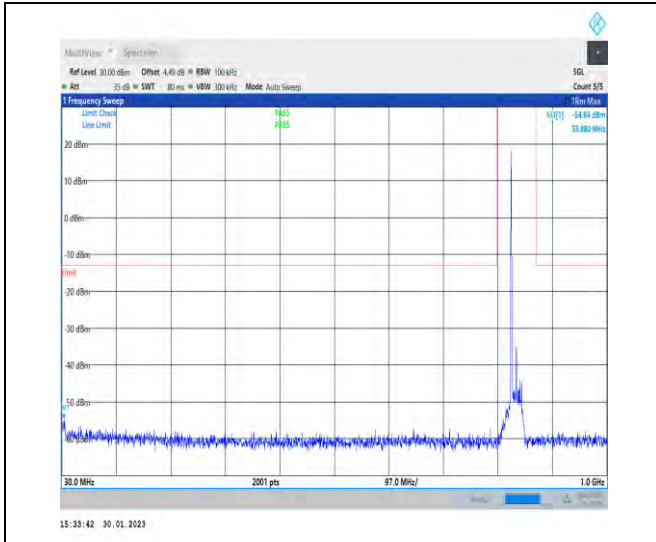


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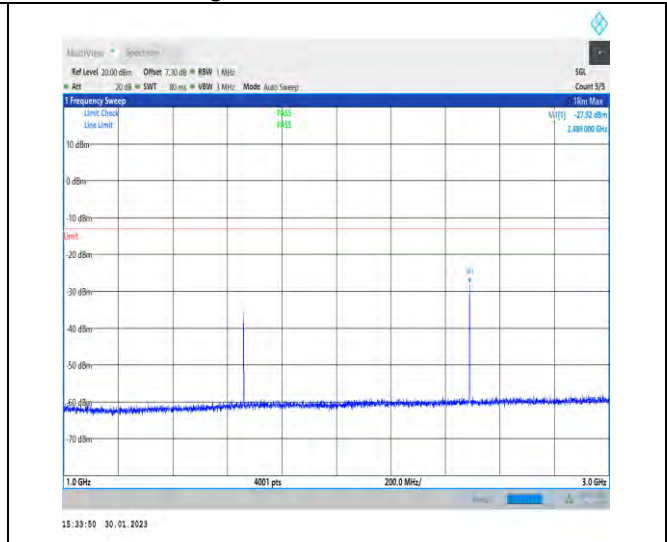
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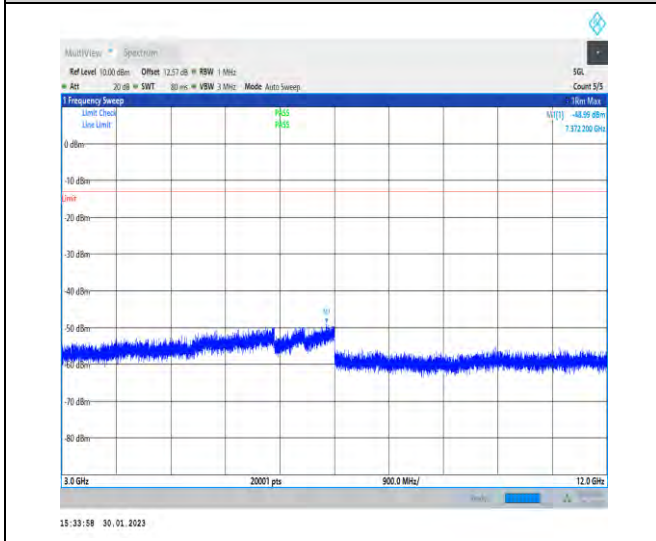
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1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-30-1000-Ant1-33.88--54.84--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-1000-3000-Ant1-2489.00--27.92--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant1-7372.20--48.99--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band5_20MHz_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	1655.1800	42.56	-48.21	25.37	-75.54	-13.00	62.54	174	78	Horizontal
2	2482.7700	41.82	-47.30	27.71	-73.03	-13.00	60.03	125	38	Horizontal
3	3310.3600	41.83	-46.66	29.54	-70.55	-13.00	57.55	188	117	Horizontal
4	4137.9500	40.91	-45.92	31.01	-69.27	-13.00	56.27	186	197	Horizontal
5	4965.5400	40.44	-45.73	32.78	-67.77	-13.00	54.77	142	12	Horizontal
6	5793.1300	40.25	-44.65	33.72	-65.94	-13.00	52.94	133	38	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	1655.1800	42.94	-48.21	25.37	-75.16	-13.00	62.16	146	82	Vertical
2	2482.7700	42.51	-47.30	27.71	-72.34	-13.00	59.34	281	9	Vertical
3	3310.3600	42.69	-46.66	29.54	-69.69	-13.00	56.69	174	188	Vertical
4	4137.9500	41.19	-45.92	31.01	-68.99	-13.00	55.99	156	18	Vertical
5	4965.5400	40.20	-45.73	32.78	-68.01	-13.00	55.01	136	240	Vertical
6	5793.1300	39.28	-44.65	33.72	-66.91	-13.00	53.91	291	202	Vertical



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Test Band = SA Band5_20MHz_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	43.28	-48.22	25.37	-74.83	-13.00	61.83	147	188	Horizontal
2	2475.2700	42.27	-47.31	27.69	-72.62	-13.00	59.62	145	345	Horizontal
3	3300.3600	42.22	-46.68	29.55	-70.16	-13.00	57.16	128	134	Horizontal
4	4125.4500	40.85	-45.92	30.99	-69.34	-13.00	56.34	166	13	Horizontal
5	4950.5400	40.42	-45.70	32.74	-67.79	-13.00	54.79	299	215	Horizontal
6	5775.6300	39.85	-44.64	33.66	-66.39	-13.00	53.39	283	174	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	1650.1800	43.60	-48.22	25.37	-74.51	-13.00	61.51	274	106	Vertical
2	2475.2700	42.11	-47.31	27.69	-72.78	-13.00	59.78	155	356	Vertical
3	3300.3600	41.84	-46.68	29.55	-70.54	-13.00	57.54	135	146	Vertical
4	4125.4500	40.87	-45.92	30.99	-69.32	-13.00	56.32	218	319	Vertical
5	4950.5400	40.17	-45.70	32.74	-68.04	-13.00	55.04	149	0	Vertical
6	5775.6300	39.82	-44.64	33.66	-66.42	-13.00	53.42	180	26	Vertical



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Test Band = SA Band5_20MHz_TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	42.97	-48.21	25.37	-75.12	-13.00	62.12	241	344	Horizontal
2	2490.2700	41.84	-47.29	27.74	-72.97	-13.00	59.97	136	200	Horizontal
3	3320.3600	42.48	-46.65	29.53	-69.90	-13.00	56.90	256	360	Horizontal
4	4150.4500	41.22	-45.93	31.03	-68.94	-13.00	55.94	175	344	Horizontal
5	4980.5400	39.62	-45.77	32.83	-68.58	-13.00	55.58	142	40	Horizontal
6	5810.6300	39.37	-44.69	33.77	-66.81	-13.00	53.81	188	92	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	1660.1800	43.38	-48.21	25.37	-74.71	-13.00	61.71	145	160	Vertical
2	2490.2700	42.47	-47.29	27.74	-72.34	-13.00	59.34	266	172	Vertical
3	3320.3600	42.35	-46.65	29.53	-70.03	-13.00	57.03	235	82	Vertical
4	4150.4500	40.78	-45.93	31.03	-69.38	-13.00	56.38	195	146	Vertical
5	4980.5400	40.14	-45.77	32.83	-68.06	-13.00	55.06	174	356	Vertical
6	5810.6300	39.90	-44.69	33.77	-66.28	-13.00	53.28	180	214	Vertical



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Test Band = NSA 2A-n5A_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	31.35	-24.81	25.37	-63.35	-13.00	50.35	254	358	Horizontal
2	2475.2700	30.38	-23.55	27.69	-60.74	-13.00	47.74	196	350	Horizontal
3	3300.3600	41.36	-46.46	29.55	-70.80	-13.00	57.80	135	73	Horizontal
4	4125.4500	40.25	-45.76	30.99	-69.78	-13.00	56.78	185	44	Horizontal
5	4950.5400	40.05	-45.59	32.74	-68.05	-13.00	55.05	172	44	Horizontal
6	5775.6300	39.08	-44.77	33.66	-67.29	-13.00	54.29	256	8	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	1650.1800	27.27	-24.81	25.37	-67.43	-13.00	54.43	184	249	Vertical
2	2475.2700	27.78	-23.55	27.69	-63.34	-13.00	50.34	175	89	Vertical
3	3300.3600	41.34	-46.46	29.55	-70.82	-13.00	57.82	186	269	Vertical
4	4125.4500	40.24	-45.76	30.99	-69.79	-13.00	56.79	126	208	Vertical
5	4950.5400	40.09	-45.59	32.74	-68.01	-13.00	55.01	291	194	Vertical
6	5775.6300	38.98	-44.77	33.66	-67.39	-13.00	54.39	148	356	Vertical



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Test Band = NSA 2A-n5A_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	1655.1800	27.25	-24.80	25.37	-67.44	-13.00	54.44	145	258	Horizontal
2	2482.7700	27.57	-23.55	27.71	-63.52	-13.00	50.52	125	249	Horizontal
3	3310.3600	41.72	-46.44	29.54	-70.44	-13.00	57.44	174	165	Horizontal
4	4137.9500	40.23	-45.76	31.01	-69.79	-13.00	56.79	144	317	Horizontal
5	4965.5400	39.49	-45.60	32.78	-68.59	-13.00	55.59	156	317	Horizontal
6	5793.1300	39.03	-44.76	33.73	-67.26	-13.00	54.26	192	194	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	1655.1800	27.73	-24.80	25.37	-66.96	-13.00	53.96	248	109	Vertical
2	2482.7700	27.74	-23.55	27.71	-63.35	-13.00	50.35	156	189	Vertical
3	3310.3600	41.98	-46.44	29.54	-70.18	-13.00	57.18	236	314	Vertical
4	4137.9500	40.94	-45.76	31.01	-69.08	-13.00	56.08	256	255	Vertical
5	4965.5400	39.55	-45.60	32.78	-68.53	-13.00	55.53	291	238	Vertical
6	5793.1300	39.78	-44.76	33.73	-66.51	-13.00	53.51	175	2	Vertical



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Test Band = NSA 2A-n5A_ TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	27.40	-24.79	25.37	-67.28	-13.00	54.28	125	360	Horizontal
2	2490.2700	29.47	-23.54	27.74	-61.59	-13.00	48.59	148	3	Horizontal
3	3320.3600	41.22	-46.42	29.53	-70.93	-13.00	57.93	175	163	Horizontal
4	4150.4500	40.35	-45.77	31.03	-69.65	-13.00	56.65	146	163	Horizontal
5	4980.5400	39.12	-45.62	32.83	-68.93	-13.00	55.93	135	239	Horizontal
6	5810.6300	39.15	-44.77	33.77	-67.11	-13.00	54.11	291	42	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	1660.1800	27.41	-24.79	25.37	-67.27	-13.00	54.27	144	360	Vertical
2	2490.2700	27.55	-23.54	27.74	-63.51	-13.00	50.51	128	157	Vertical
3	3320.3600	41.46	-46.42	29.53	-70.69	-13.00	57.69	199	120	Vertical
4	4150.4500	39.98	-45.77	31.03	-70.02	-13.00	57.02	256	284	Vertical
5	4980.5400	39.40	-45.62	32.83	-68.65	-13.00	55.65	133	2	Vertical
6	5810.6300	39.07	-44.77	33.77	-67.19	-13.00	54.19	254	28	Vertical



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Test Band = NSA 66A-n5A_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	27.26	-24.81	25.37	-67.44	-13.00	54.44	148	4	Horizontal
2	2475.2700	27.71	-23.55	27.69	-63.41	-13.00	50.41	175	348	Horizontal
3	3300.3600	42.01	-46.46	29.55	-70.15	-13.00	57.15	146	314	Horizontal
4	4125.4500	40.69	-45.76	30.99	-69.34	-13.00	56.34	259	103	Horizontal
5	4950.5400	39.70	-45.59	32.74	-68.40	-13.00	55.40	192	72	Horizontal
6	5775.6300	39.16	-44.77	33.66	-67.21	-13.00	54.21	173	194	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	1650.1800	27.45	-24.81	25.37	-67.25	-13.00	54.25	125	358	Vertical
2	2475.2700	27.57	-23.55	27.69	-63.55	-13.00	50.55	145	279	Vertical
3	3300.3600	42.07	-46.46	29.55	-70.09	-13.00	57.09	186	194	Vertical
4	4125.4500	40.46	-45.76	30.99	-69.57	-13.00	56.57	136	0	Vertical
5	4950.5400	40.22	-45.59	32.74	-67.88	-13.00	54.88	126	148	Vertical
6	5775.6300	38.99	-44.77	33.66	-67.38	-13.00	54.38	291	239	Vertical



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Test Band = NSA 66A-n5A_ 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	1655.1800	27.26	-24.80	25.37	-67.43	-13.00	54.43	177	332	Horizontal
2	2482.7700	27.70	-23.55	27.71	-63.39	-13.00	50.39	241	170	Horizontal
3	3310.3600	41.40	-46.44	29.54	-70.76	-13.00	57.76	150	88	Horizontal
4	4137.9500	40.84	-45.76	31.01	-69.18	-13.00	56.18	136	240	Horizontal
5	4965.5400	40.45	-45.60	32.78	-67.63	-13.00	54.63	259	165	Horizontal
6	5793.1300	39.70	-44.76	33.73	-66.59	-13.00	53.59	191	16	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	1655.1800	27.20	-24.80	25.37	-67.49	-13.00	54.49	248	278	Vertical
2	2482.7700	27.41	-23.55	27.71	-63.68	-13.00	50.68	175	120	Vertical
3	3310.3600	42.04	-46.44	29.54	-70.12	-13.00	57.12	146	331	Vertical
4	4137.9500	39.97	-45.76	31.01	-70.05	-13.00	57.05	258	44	Vertical
5	4965.5400	39.82	-45.60	32.78	-68.26	-13.00	55.26	174	0	Vertical
6	5793.1300	39.32	-44.76	33.73	-66.97	-13.00	53.97	159	151	Vertical



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Test Band = NSA 66A-n5A_ TM1
 Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.1800	27.17	-24.79	25.37	-67.51	-13.00	54.51	142	289	Horizontal
2	2490.2700	27.39	-23.54	27.74	-63.67	-13.00	50.67	148	129	Horizontal
3	3320.3600	41.15	-46.42	29.53	-71.00	-13.00	58.00	129	43	Horizontal
4	4150.4500	40.53	-45.77	31.03	-69.47	-13.00	56.47	186	331	Horizontal
5	4980.5400	39.40	-45.62	32.83	-68.65	-13.00	55.65	175	316	Horizontal
6	5810.6300	39.43	-44.77	33.77	-66.83	-13.00	53.83	135	120	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	1660.1800	27.03	-24.79	25.37	-67.65	-13.00	54.65	247	287	Vertical
2	2490.2700	27.52	-23.54	27.74	-63.54	-13.00	50.54	178	39	Vertical
3	3320.3600	42.30	-46.42	29.53	-69.85	-13.00	56.85	198	208	Vertical
4	4150.4500	40.67	-45.77	31.03	-69.33	-13.00	56.33	158	16	Vertical
5	4980.5400	39.41	-45.62	32.83	-68.64	-13.00	55.64	176	150	Vertical
6	5810.6300	39.25	-44.77	33.77	-67.01	-13.00	54.01	255	164	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	Chan nel	RB Config	Voltage	Temper ature	Deviation (Hz)	Deviation (ppm)	LIMIT	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-4.900000	-0.005858	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.700000	-0.008010	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-8.100000	-0.009683	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-0.900000	-0.001076	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	0.900000	0.001076	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-2.200000	-0.002630	±2.5	PASS



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Frequency Error VS. Temperature

Temperature											
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-7.000000	-0.008368	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-10.300000	-0.012313	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-4.100000	-0.004901	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.500000	-0.002989	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-8.200000	-0.009803	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-2.800000	-0.003347	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.100000	-0.004901	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-6.700000	-0.008010	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-7.200000	-0.008607	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-3.800000	-0.004543	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-0.500000	-0.000598	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	0.800000	0.000956	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	1.700000	0.002032	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-3.800000	-0.004543	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	1.700000	0.002032	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-0.400000	-0.000478	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-1.900000	-0.002271	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	1.200000	0.001435	±2.5	PASS

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