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Appendix B.17

NR Band n2



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	LIMIT (dBm)	Verdict
N2	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.17	23.17	33	PASS
N2	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.22	23.22	33	PASS
N2	15	5	DFT-PI2BPSK	L	Outer_Full	23.25	23.25	33	PASS
N2	15	5	DFT-QPSK	L	Inner_1RB_Left	23.18	23.18	33	PASS
N2	15	5	DFT-QPSK	L	Inner_1RB_Right	23.25	23.25	33	PASS
N2	15	5	DFT-QPSK	L	Outer_Full	23.24	23.24	33	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Left	22.88	22.88	33	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Right	22.93	22.93	33	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	22.24	22.24	33	PASS
N2	15	5	DFT-64QAM	L	Inner_1RB_Left	21.49	21.49	33	PASS
N2	15	5	DFT-64QAM	L	Inner_1RB_Right	21.6	21.6	33	PASS
N2	15	5	DFT-64QAM	L	Outer_Full	21.84	21.84	33	PASS
N2	15	5	DFT-256QAM	L	Inner_1RB_Left	19.65	19.65	33	PASS
N2	15	5	DFT-256QAM	L	Inner_1RB_Right	19.77	19.77	33	PASS
N2	15	5	DFT-256QAM	L	Outer_Full	19.69	19.69	33	PASS
N2	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.42	23.42	33	PASS
N2	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.42	23.42	33	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	23.49	23.49	33	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Left	23.44	23.44	33	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Right	23.48	23.48	33	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	22.85	22.85	33	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Left	23.5	23.5	33	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Right	23.12	23.12	33	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	22.5	22.5	33	PASS
N2	15	5	DFT-64QAM	M	Inner_1RB_Left	21.78	21.78	33	PASS
N2	15	5	DFT-64QAM	M	Inner_1RB_Right	21.82	21.82	33	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	22.09	22.09	33	PASS
N2	15	5	DFT-256QAM	M	Inner_1RB_Left	19.86	19.86	33	PASS
N2	15	5	DFT-256QAM	M	Inner_1RB_Right	19.92	19.92	33	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	19.92	19.92	33	PASS
N2	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.21	23.21	33	PASS
N2	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.4	23.4	33	PASS



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N2	15	5	DFT-PI2BPSK	H	Outer_Full	23.35	23.35	33	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Left	23.19	23.19	33	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Right	23.38	23.38	33	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	23.28	23.28	33	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Left	23.37	23.37	33	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Right	23.48	23.48	33	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	22.31	22.31	33	PASS
N2	15	5	DFT-64QAM	H	Inner_1RB_Left	21.55	21.55	33	PASS
N2	15	5	DFT-64QAM	H	Inner_1RB_Right	21.74	21.74	33	PASS
N2	15	5	DFT-64QAM	H	Outer_Full	21.87	21.87	33	PASS
N2	15	5	DFT-256QAM	H	Inner_1RB_Left	19.69	19.69	33	PASS
N2	15	5	DFT-256QAM	H	Inner_1RB_Right	19.84	19.84	33	PASS
N2	15	5	DFT-256QAM	H	Outer_Full	19.75	19.75	33	PASS
N2	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.27	23.27	33	PASS
N2	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.31	23.31	33	PASS
N2	15	10	DFT-PI2BPSK	L	Outer_Full	23.32	23.32	33	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Left	23.31	23.31	33	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Right	23.3	23.3	33	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	23.31	23.31	33	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Left	23.36	23.36	33	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Right	23.41	23.41	33	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	22.28	22.28	33	PASS
N2	15	10	DFT-64QAM	L	Inner_1RB_Left	21.63	21.63	33	PASS
N2	15	10	DFT-64QAM	L	Inner_1RB_Right	21.64	21.64	33	PASS
N2	15	10	DFT-64QAM	L	Outer_Full	21.82	21.82	33	PASS
N2	15	10	DFT-256QAM	L	Inner_1RB_Left	19.77	19.77	33	PASS
N2	15	10	DFT-256QAM	L	Inner_1RB_Right	19.75	19.75	33	PASS
N2	15	10	DFT-256QAM	L	Outer_Full	19.78	19.78	33	PASS
N2	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.46	23.46	33	PASS
N2	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.54	23.54	33	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	23.56	23.56	33	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Left	23.42	23.42	33	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Right	23.59	23.59	33	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	23.62	23.62	33	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Left	23.52	23.52	33	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Right	23.6	23.6	33	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	22.49	22.49	33	PASS
N2	15	10	DFT-64QAM	M	Inner_1RB_Left	21.76	21.76	33	PASS



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N2	15	10	DFT-64QAM	M	Inner_1RB_Right	21.86	21.86	33	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	22.05	22.05	33	PASS
N2	15	10	DFT-256QAM	M	Inner_1RB_Left	19.94	19.94	33	PASS
N2	15	10	DFT-256QAM	M	Inner_1RB_Right	19.97	19.97	33	FAIL
N2	15	10	DFT-256QAM	M	Outer_Full	20.01	20.01	33	PASS
N2	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.35	23.35	33	PASS
N2	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.49	23.49	33	PASS
N2	15	10	DFT-PI2BPSK	H	Outer_Full	23.37	23.37	33	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Left	23.36	23.36	33	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Right	23.49	23.49	33	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	23.42	23.42	33	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Left	23.41	23.41	33	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Right	23.62	23.62	33	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	22.32	22.32	33	PASS
N2	15	10	DFT-64QAM	H	Inner_1RB_Left	21.67	21.67	33	PASS
N2	15	10	DFT-64QAM	H	Inner_1RB_Right	21.81	21.81	33	PASS
N2	15	10	DFT-64QAM	H	Outer_Full	21.92	21.92	33	PASS
N2	15	10	DFT-256QAM	H	Inner_1RB_Left	19.85	19.85	33	PASS
N2	15	10	DFT-256QAM	H	Inner_1RB_Right	19.91	19.91	33	PASS
N2	15	10	DFT-256QAM	H	Outer_Full	19.88	19.88	33	PASS
N2	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.26	23.26	33	PASS
N2	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.36	23.36	33	PASS
N2	15	15	DFT-PI2BPSK	L	Outer_Full	23.42	23.42	33	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Left	23.25	23.25	33	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Right	23.34	23.34	33	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	23.44	23.44	33	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Left	23.3	23.3	33	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Right	23.4	23.4	33	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	22.4	22.4	33	PASS
N2	15	15	DFT-64QAM	L	Inner_1RB_Left	21.5	21.5	33	PASS
N2	15	15	DFT-64QAM	L	Inner_1RB_Right	21.67	21.67	33	PASS
N2	15	15	DFT-64QAM	L	Outer_Full	21.87	21.87	33	PASS
N2	15	15	DFT-256QAM	L	Inner_1RB_Left	19.69	19.69	33	PASS
N2	15	15	DFT-256QAM	L	Inner_1RB_Right	19.74	19.74	33	PASS
N2	15	15	DFT-256QAM	L	Outer_Full	19.58	19.58	33	PASS
N2	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.48	23.48	33	PASS
N2	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.46	23.46	33	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	23.59	23.59	33	PASS



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N2	15	15	DFT-QPSK	M	Inner_1RB_Left	23.43	23.43	33	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Right	23.52	23.52	33	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	23.58	23.58	33	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Left	23.56	23.56	33	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Right	23.53	23.53	33	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	22.57	22.57	33	PASS
N2	15	15	DFT-64QAM	M	Inner_1RB_Left	21.79	21.79	33	PASS
N2	15	15	DFT-64QAM	M	Inner_1RB_Right	21.8	21.8	33	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	22.11	22.11	33	PASS
N2	15	15	DFT-256QAM	M	Inner_1RB_Left	19.9	19.9	33	PASS
N2	15	15	DFT-256QAM	M	Inner_1RB_Right	19.94	19.94	33	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	18.96	18.96	33	PASS
N2	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.23	23.23	33	PASS
N2	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.35	23.35	33	PASS
N2	15	15	DFT-PI2BPSK	H	Outer_Full	23.42	23.42	33	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Left	23.17	23.17	33	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Right	23.38	23.38	33	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	23.38	23.38	33	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Left	23.22	23.22	33	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Right	23.4	23.4	33	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	22.42	22.42	33	PASS
N2	15	15	DFT-64QAM	H	Inner_1RB_Left	21.46	21.46	33	PASS
N2	15	15	DFT-64QAM	H	Inner_1RB_Right	21.69	21.69	33	PASS
N2	15	15	DFT-64QAM	H	Outer_Full	21.9	21.9	33	PASS
N2	15	15	DFT-256QAM	H	Inner_1RB_Left	19.58	19.58	33	PASS
N2	15	15	DFT-256QAM	H	Inner_1RB_Right	19.77	19.77	33	PASS
N2	15	15	DFT-256QAM	H	Outer_Full	19.9	19.9	33	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.32	23.32	33	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.5	23.5	33	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	23.52	23.52	33	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Left	23.36	23.36	33	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Right	23.5	23.5	33	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	23.5	23.5	33	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Left	23.35	23.35	33	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Right	23.52	23.52	33	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	22.5	22.5	33	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Left	21.59	21.59	33	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Right	21.8	21.8	33	PASS



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N2	15	20	DFT-64QAM	L	Outer_Full	21.99	21.99	33	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Left	19.81	19.81	33	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Right	19.93	19.93	33	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	20.01	20.01	33	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.5	23.5	33	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.43	23.43	33	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	23.56	23.56	33	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Left	23.48	23.48	33	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Right	23.46	23.46	33	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	23.57	23.57	33	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Left	23.53	23.53	33	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Right	23.45	23.45	33	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	22.59	22.59	33	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Left	21.72	21.72	33	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Right	21.71	21.71	33	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	22.09	22.09	33	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Left	19.96	19.96	33	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Right	19.86	19.86	33	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	20.05	20.05	33	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.21	23.21	33	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.34	23.34	33	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	23.41	23.41	33	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Left	23.18	23.18	33	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Right	23.34	23.34	33	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	23.39	23.39	33	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Left	23.25	23.25	33	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Right	23.37	23.37	33	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	22.42	22.42	33	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Left	21.45	21.45	33	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Right	21.61	21.61	33	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	21.91	21.91	33	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Left	19.64	19.64	33	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Right	19.75	19.75	33	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	19.93	19.93	33	PASS



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Peak-to-Average Ratio for SA

Test Result

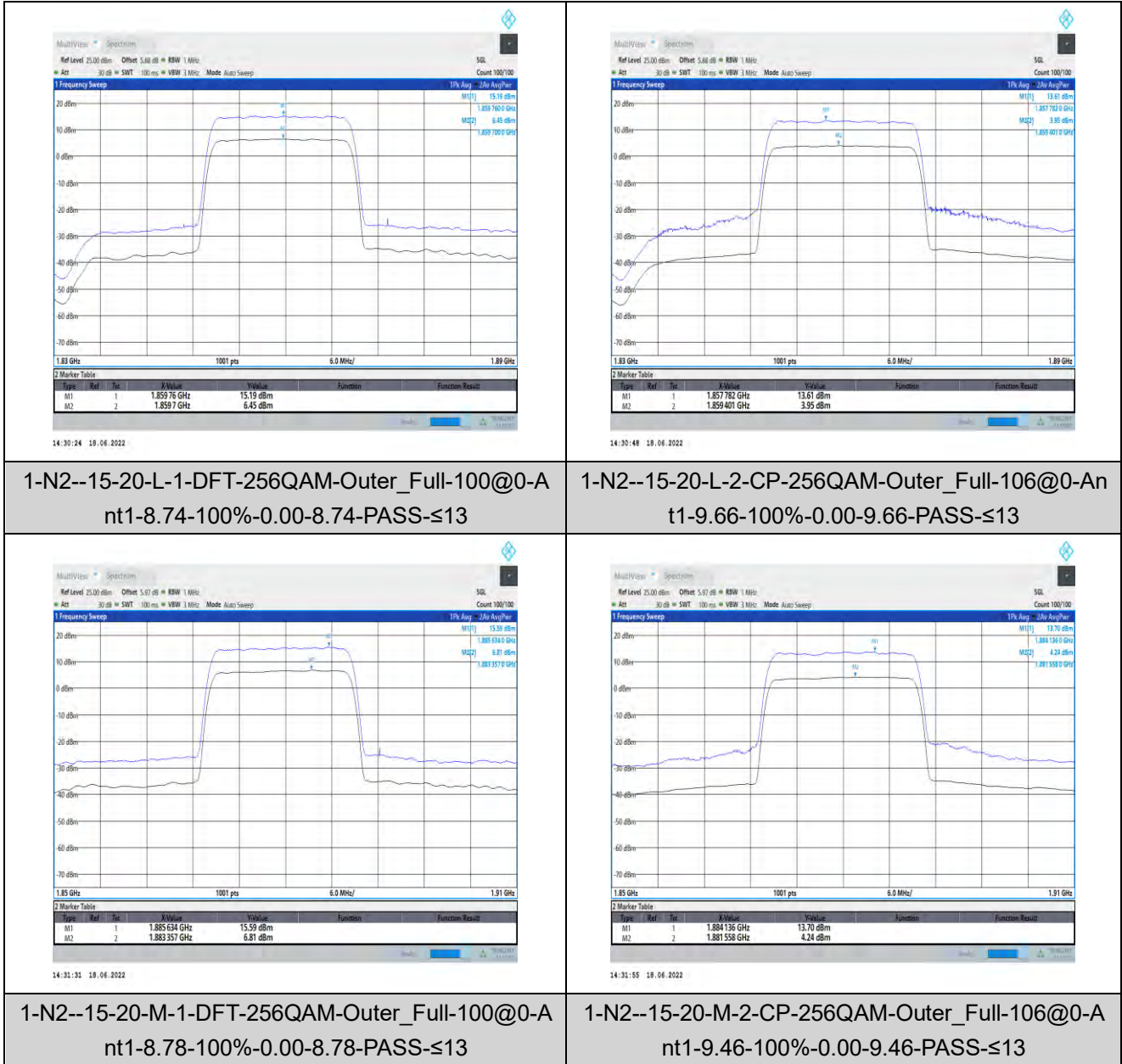
Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N2	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.74	≤13	PASS
N2	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.66	≤13	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.78	≤13	PASS
N2	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.46	≤13	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.78	≤13	PASS
N2	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.84	≤13	PASS



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Test Graphs



1-N2--15-20-L-1-DFT-256QAM-Outer_Full-100@0-A
 nt1-8.74-100%-0.00-8.74-PASS-≤13

1-N2--15-20-L-2-CP-256QAM-Outer_Full-106@0-An
 t1-9.66-100%-0.00-9.66-PASS-≤13

1-N2--15-20-M-1-DFT-256QAM-Outer_Full-100@0-A
 nt1-8.78-100%-0.00-8.78-PASS-≤13

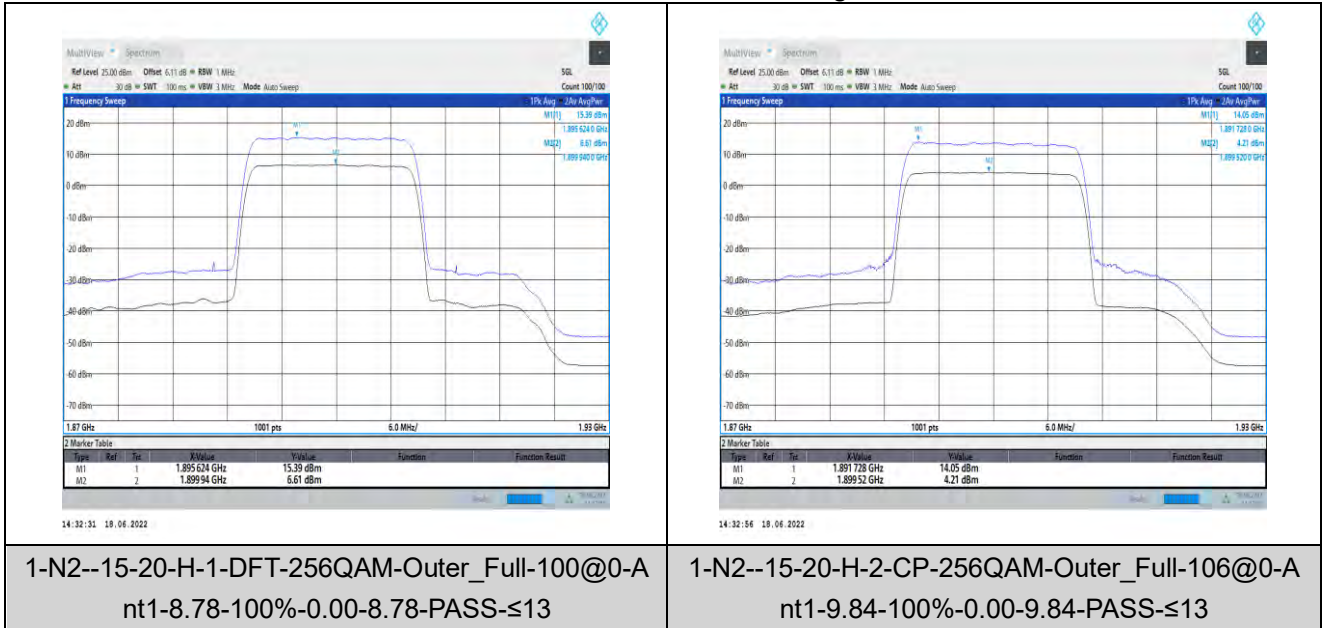
1-N2--15-20-M-2-CP-256QAM-Outer_Full-106@0-A
 nt1-9.46-100%-0.00-9.46-PASS-≤13



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1-N2--15-20-H-1-DFT-256QAM-Outer_Full-100@0-A
nt1-8.78-100%-0.00-8.78-PASS-≤13

1-N2--15-20-H-2-CP-256QAM-Outer_Full-106@0-A
nt1-9.84-100%-0.00-9.84-PASS-≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N2	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-256QAM	M	Outer_Full	see graph	PASS



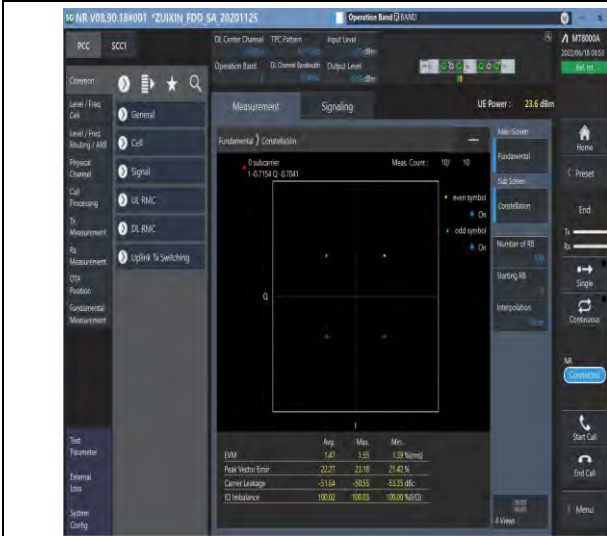
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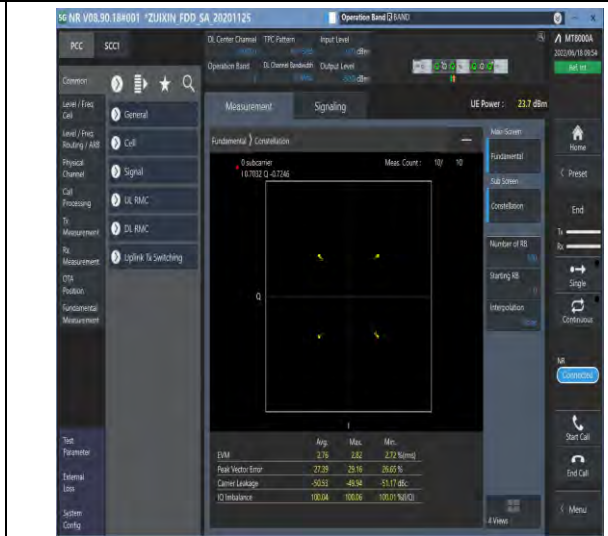
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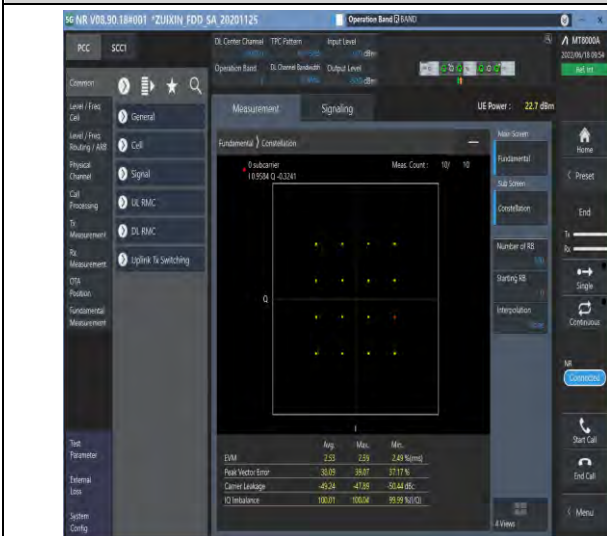
Test Graphs



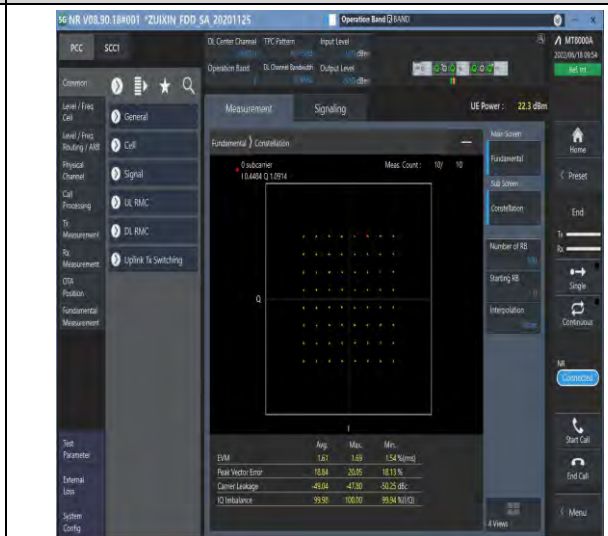
1-N2--15-20-M-1-DFT-PI2BPSK-Outer_Full-100@0-A
 nt1-see graph-PASS



1-N2--15-20-M-2-DFT-QPSK-Outer_Full-100@0-Ant
 1-see graph-PASS



1-N2--15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant
 1-see graph-PASS



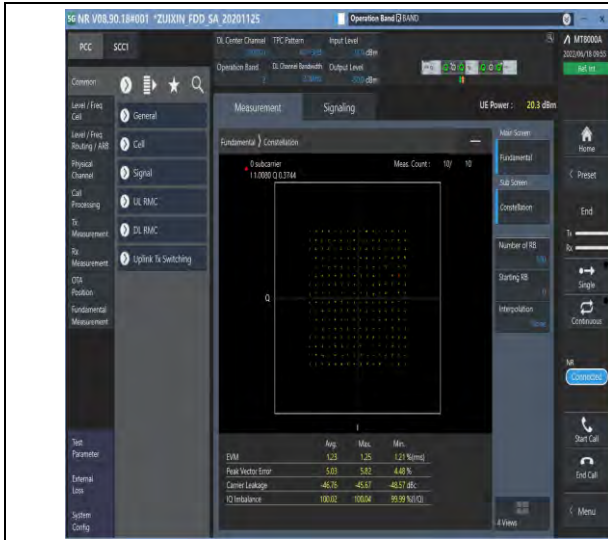
1-N2--15-20-M-4-DFT-64QAM-Outer_Full-100@0-A
 nt1-see graph-PASS



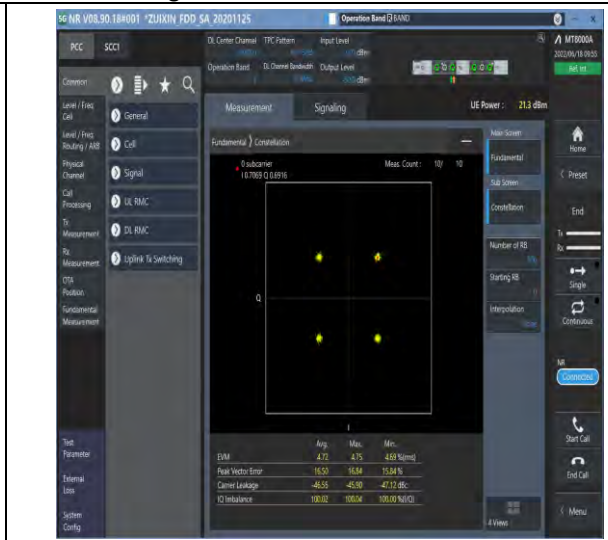
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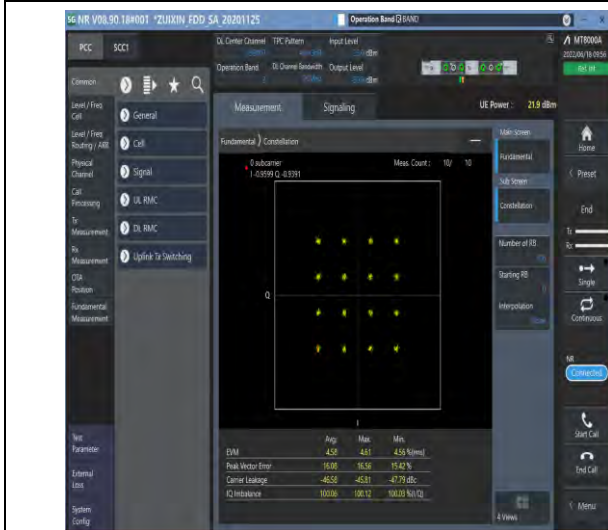
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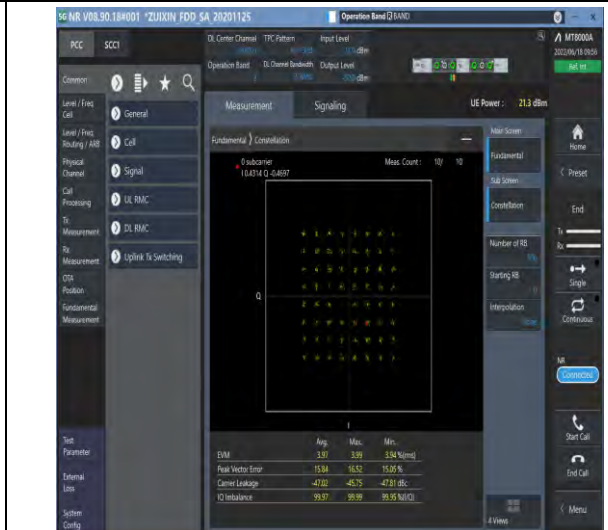
1-N2--15-20-M-5-DFT-256QAM-Outer_Full-100@0-A
 nt1-see graph-PASS



1-N2--15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant
 1-see graph-PASS



1-N2--15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1
 -see graph-PASS



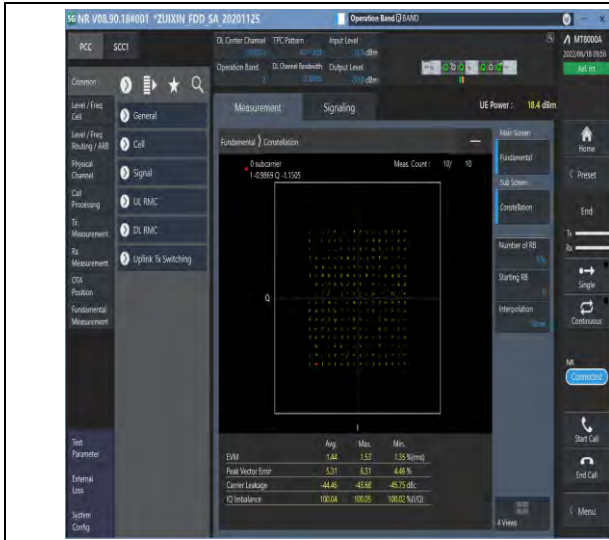
1-N2--15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant
 1-see graph-PASS



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1-N2--15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant
1-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
N2	15	5	DFT-QPSK	L	Outer_Full	4.47	4.840	PASS
N2	15	5	DFT-PI2BPSK	L	Outer_Full	4.446	4.840	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	4.469	4.890	PASS
N2	15	5	DFT-64QAM	L	Outer_Full	4.474	4.920	PASS
N2	15	5	DFT-256QAM	L	Outer_Full	4.465	4.860	PASS
N2	15	5	CP-QPSK	L	Outer_Full	4.457	4.870	PASS
N2	15	5	CP-16QAM	L	Outer_Full	4.475	4.920	PASS
N2	15	5	CP-64QAM	L	Outer_Full	4.468	4.860	PASS
N2	15	5	CP-256QAM	L	Outer_Full	4.465	4.950	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	4.472	4.850	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	4.474	4.810	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.468	4.870	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	4.467	4.930	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	4.465	4.890	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.465	4.840	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.462	4.960	PASS
N2	15	5	CP-64QAM	M	Outer_Full	4.467	4.900	PASS
N2	15	5	CP-256QAM	M	Outer_Full	4.467	4.840	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	4.464	4.850	PASS
N2	15	5	DFT-PI2BPSK	H	Outer_Full	4.474	4.890	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	4.468	4.890	PASS
N2	15	5	DFT-64QAM	H	Outer_Full	4.469	4.910	PASS
N2	15	5	DFT-256QAM	H	Outer_Full	4.461	4.840	PASS
N2	15	5	CP-QPSK	H	Outer_Full	4.467	4.860	PASS
N2	15	5	CP-16QAM	H	Outer_Full	4.46	4.900	PASS
N2	15	5	CP-64QAM	H	Outer_Full	4.468	4.920	PASS
N2	15	5	CP-256QAM	H	Outer_Full	4.485	4.980	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	8.944	9.620	PASS
N2	15	10	DFT-PI2BPSK	L	Outer_Full	8.929	9.540	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	8.912	9.480	PASS
N2	15	10	DFT-64QAM	L	Outer_Full	8.925	9.500	PASS
N2	15	10	DFT-256QAM	L	Outer_Full	8.931	9.480	PASS



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N2	15	10	CP-QPSK	L	Outer_Full	9.282	9.900	PASS
N2	15	10	CP-16QAM	L	Outer_Full	9.282	9.760	PASS
N2	15	10	CP-64QAM	L	Outer_Full	9.287	9.940	PASS
N2	15	10	CP-256QAM	L	Outer_Full	9.296	9.860	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.93	9.620	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	8.924	9.500	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	8.932	9.460	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	8.925	9.540	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	8.923	9.500	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.296	9.880	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.277	9.880	PASS
N2	15	10	CP-64QAM	M	Outer_Full	9.284	9.900	PASS
N2	15	10	CP-256QAM	M	Outer_Full	9.287	9.780	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	8.922	9.540	PASS
N2	15	10	DFT-PI2BPSK	H	Outer_Full	8.924	9.560	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	8.934	9.460	PASS
N2	15	10	DFT-64QAM	H	Outer_Full	8.936	9.580	PASS
N2	15	10	DFT-256QAM	H	Outer_Full	8.928	9.460	PASS
N2	15	10	CP-QPSK	H	Outer_Full	9.292	9.860	PASS
N2	15	10	CP-16QAM	H	Outer_Full	9.275	9.820	PASS
N2	15	10	CP-64QAM	H	Outer_Full	9.29	9.940	PASS
N2	15	10	CP-256QAM	H	Outer_Full	9.286	9.880	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	13.473	14.220	PASS
N2	15	15	DFT-PI2BPSK	L	Outer_Full	13.424	14.130	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	13.435	14.310	PASS
N2	15	15	DFT-64QAM	L	Outer_Full	13.421	14.250	PASS
N2	15	15	DFT-256QAM	L	Outer_Full	13.443	14.220	PASS
N2	15	15	CP-QPSK	L	Outer_Full	14.113	14.940	PASS
N2	15	15	CP-16QAM	L	Outer_Full	14.082	14.850	PASS
N2	15	15	CP-64QAM	L	Outer_Full	14.123	14.820	PASS
N2	15	15	CP-256QAM	L	Outer_Full	14.139	14.940	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.449	14.220	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	13.426	14.100	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.434	14.190	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	13.429	14.190	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	13.431	14.250	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.111	14.940	PASS
N2	15	15	CP-16QAM	M	Outer_Full	14.121	14.880	PASS



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Report No.: SEWA2205000015RG02

Rev.: 01

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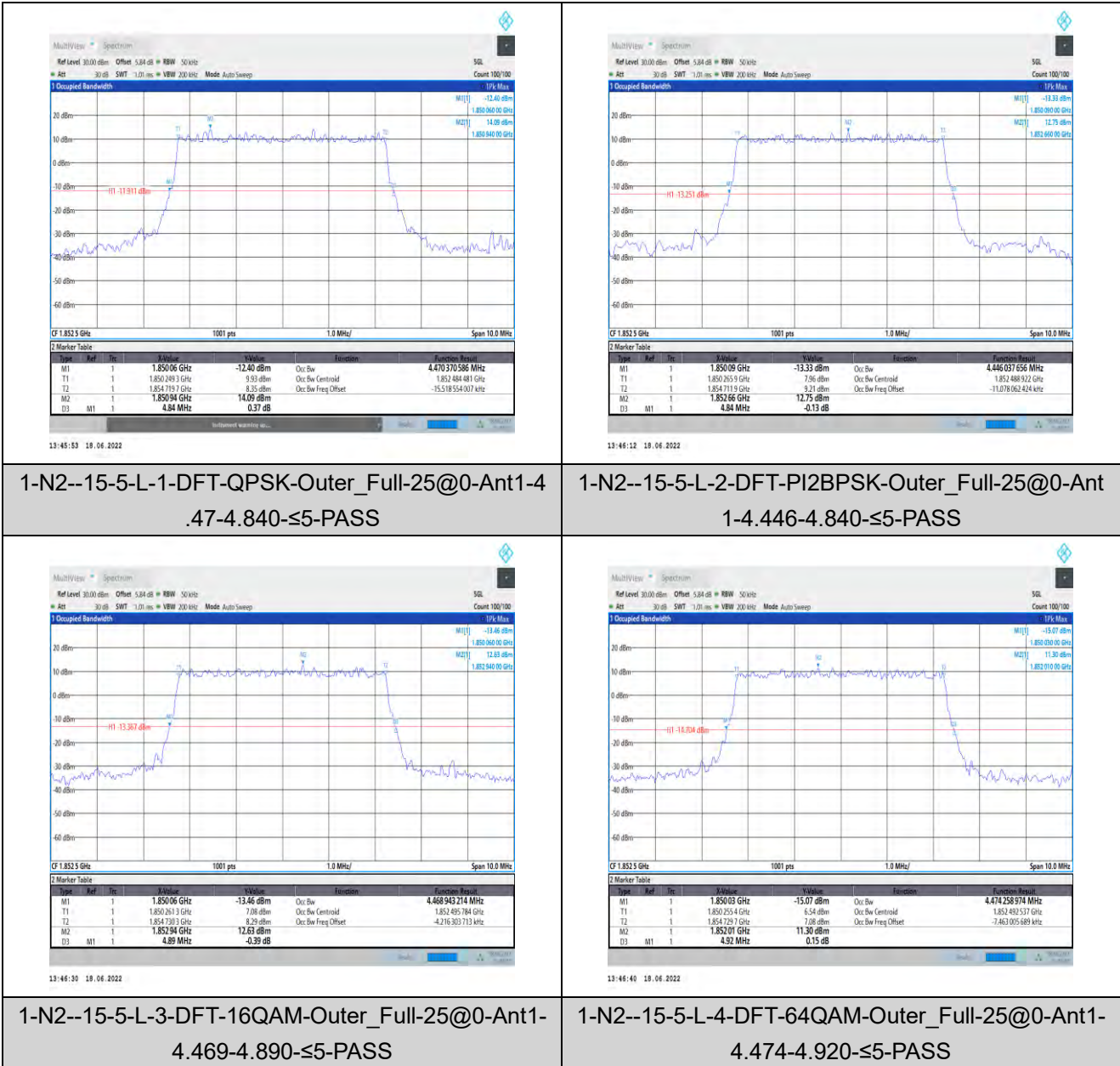
N2	15	15	CP-64QAM	M	Outer_Full	14.105	14.760	PASS
N2	15	15	CP-256QAM	M	Outer_Full	14.156	14.850	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	13.439	14.100	PASS
N2	15	15	DFT-PI2BPSK	H	Outer_Full	13.429	14.130	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	13.432	14.250	PASS
N2	15	15	DFT-64QAM	H	Outer_Full	13.421	14.190	PASS
N2	15	15	DFT-256QAM	H	Outer_Full	13.42	14.220	PASS
N2	15	15	CP-QPSK	H	Outer_Full	14.098	14.820	PASS
N2	15	15	CP-16QAM	H	Outer_Full	14.095	14.790	PASS
N2	15	15	CP-64QAM	H	Outer_Full	14.108	14.910	PASS
N2	15	15	CP-256QAM	H	Outer_Full	14.112	14.880	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	17.868	18.600	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	17.877	18.760	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	17.876	18.680	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	17.862	18.680	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	17.851	18.640	PASS
N2	15	20	CP-QPSK	L	Outer_Full	18.919	19.760	PASS
N2	15	20	CP-16QAM	L	Outer_Full	18.926	19.800	PASS
N2	15	20	CP-64QAM	L	Outer_Full	18.906	19.800	PASS
N2	15	20	CP-256QAM	L	Outer_Full	18.887	19.760	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.867	18.640	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	17.875	18.760	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	17.866	18.720	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	17.857	18.680	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.859	18.680	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.871	19.760	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.869	19.720	PASS
N2	15	20	CP-64QAM	M	Outer_Full	18.905	19.720	PASS
N2	15	20	CP-256QAM	M	Outer_Full	18.886	19.760	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	17.837	18.680	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	17.865	18.720	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	17.876	18.760	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	17.877	18.760	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	17.86	18.720	PASS
N2	15	20	CP-QPSK	H	Outer_Full	18.897	19.760	PASS
N2	15	20	CP-16QAM	H	Outer_Full	18.916	19.640	PASS
N2	15	20	CP-64QAM	H	Outer_Full	18.915	19.760	PASS
N2	15	20	CP-256QAM	H	Outer_Full	18.883	19.800	PASS



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Test Graphs



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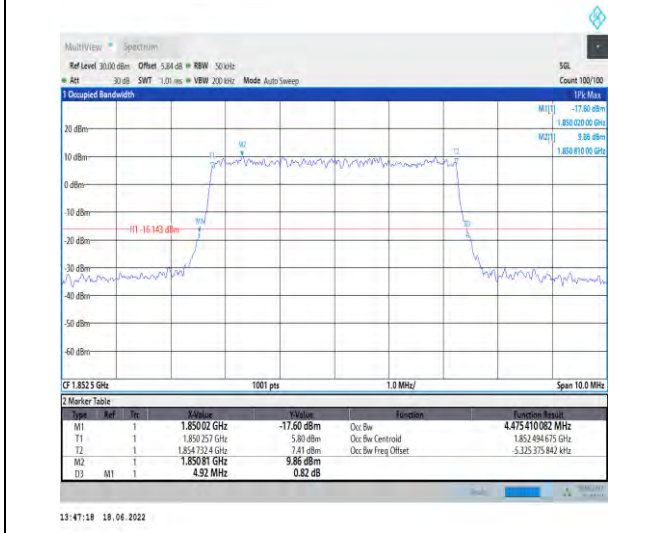
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1-N2--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.465-4.860-≤5-PASS

1-N2--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.4
57-4.870-≤5-PASS



1-N2--15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4
.475-4.920-≤5-PASS

1-N2--15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4
.468-4.860-≤5-PASS



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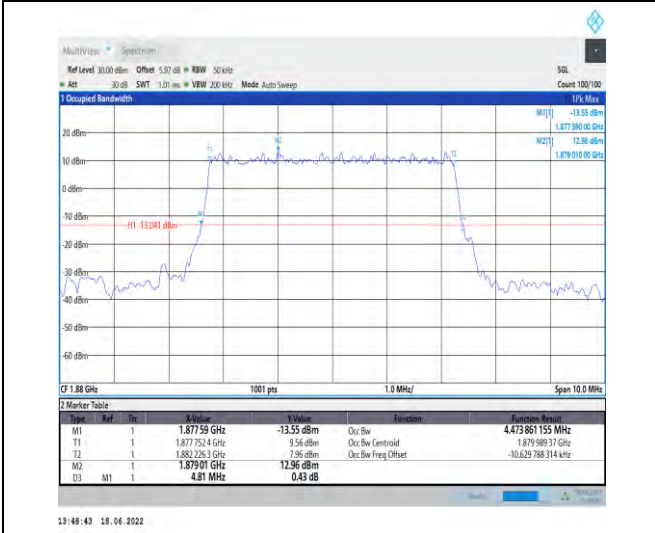
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1-N2--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.465-4.950-≤5-PASS



1-N2--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.472-4.850-≤5-PASS



1-N2--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.474-4.810-≤5-PASS



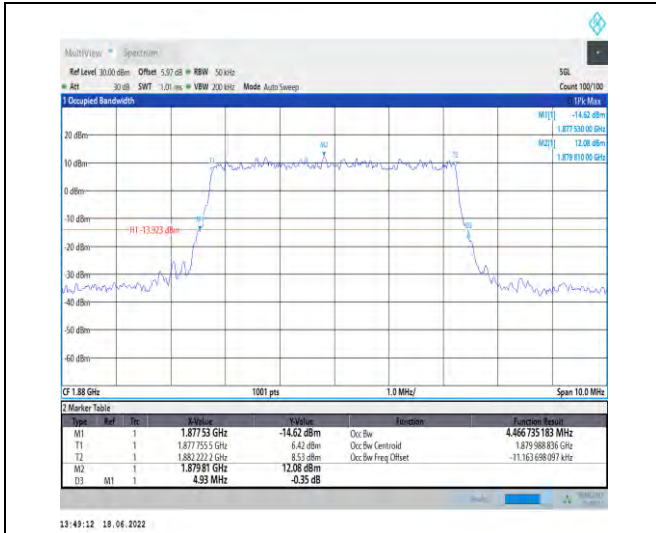
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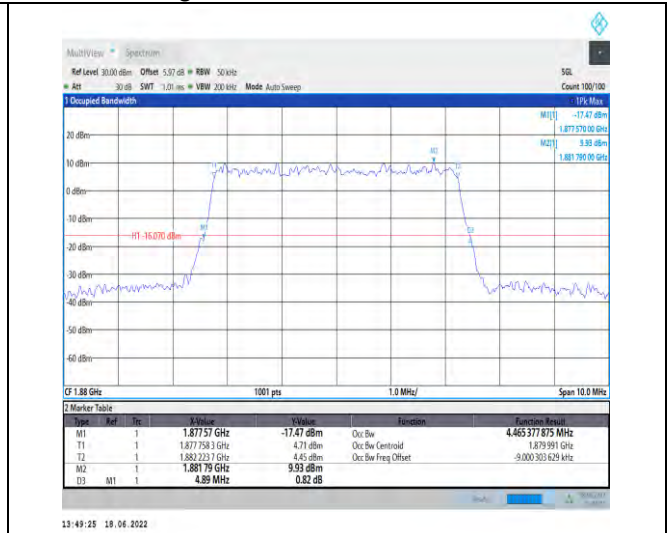
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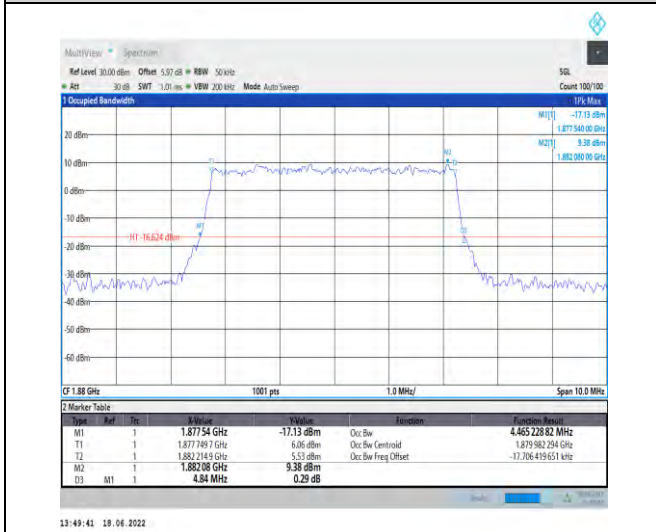
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1-N2--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1
-4.467-4.930-≤5-PASS



1-N2--15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.465-4.890-≤5-PASS



1-N2--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.
465-4.840-≤5-PASS



1-N2--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-
4.462-4.960-≤5-PASS



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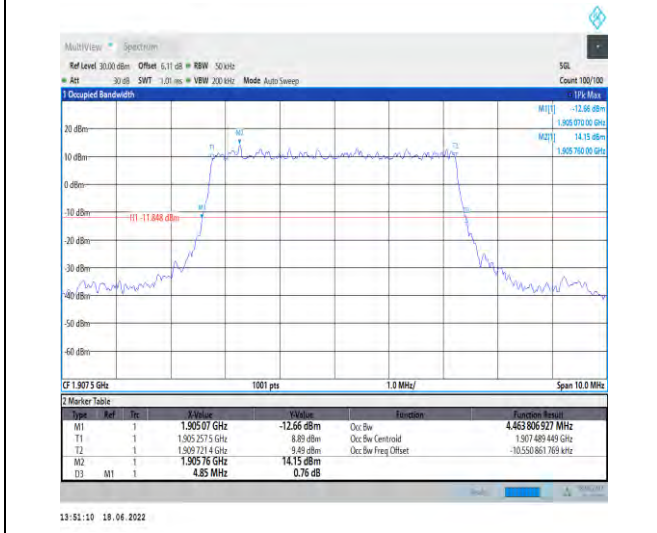
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1-N2--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.467-4.900-≤5-PASS

1-N2--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.467-4.840-≤5-PASS



1-N2--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.464-4.850-≤5-PASS

1-N2--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.474-4.890-≤5-PASS



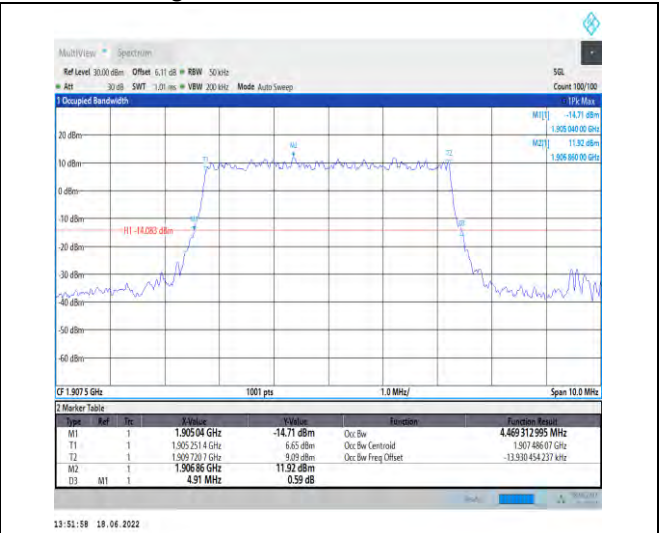
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1-N2--15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.468-4.890-≤5-PASS



1-N2--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.469-4.910-≤5-PASS



1-N2--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant 1-4.461-4.840-≤5-PASS



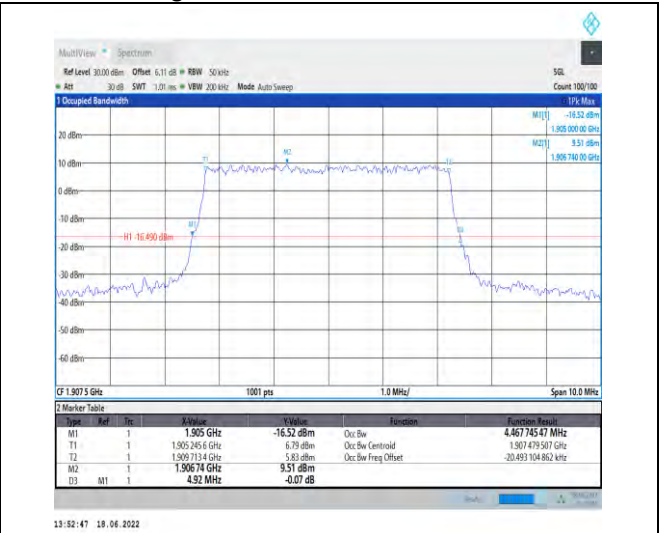
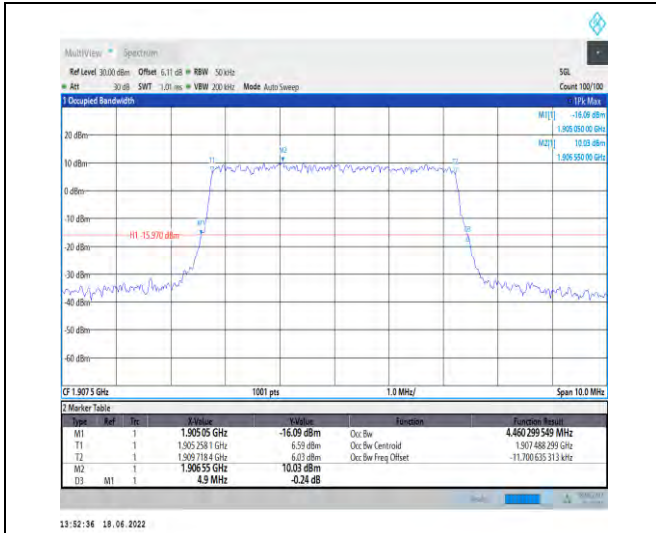
1-N2--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.467-4.860-≤5-PASS



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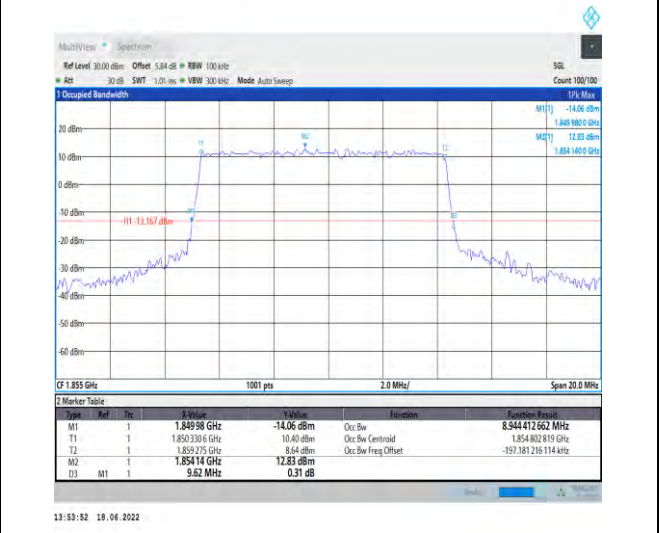
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1-N2--15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.46-4.900-≤ 5-PASS

1-N2--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.468-4.920-≤ 5-PASS



1-N2--15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.485-4.980-≤ 5-PASS

1-N2--15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.944-9.620-≤ 10-PASS



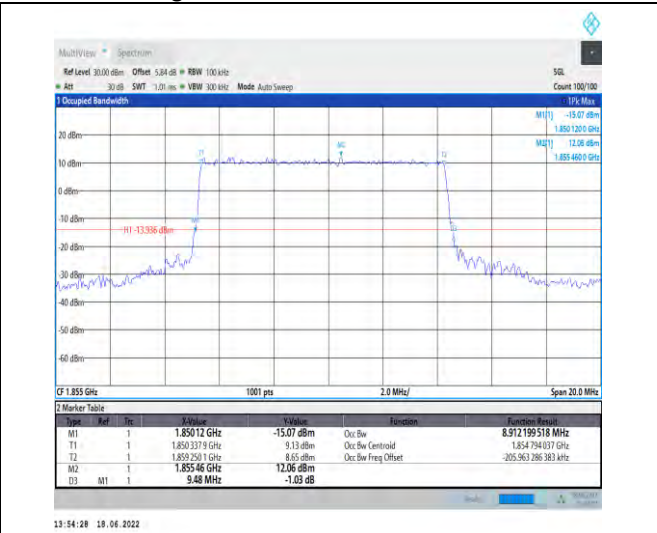
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1-N2--15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant
 t1-8.929-9.540-≤10-PASS



1-N2--15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1
 -8.912-9.480-≤10-PASS



1-N2--15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant
 1-8.925-9.500-≤10-PASS



1-N2--15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant
 1-8.931-9.480-≤10-PASS



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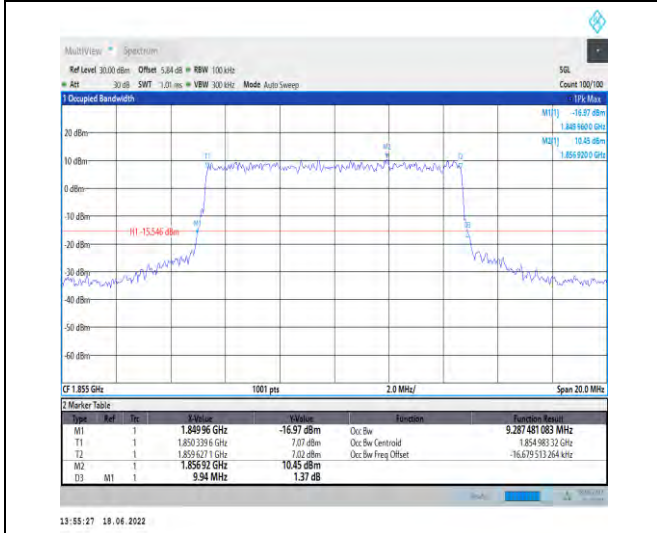
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1-N2--15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9
 .282-9.900-≤10-PASS



1-N2--15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9
 9.282-9.760-≤10-PASS



1-N2--15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9
 9.287-9.940-≤10-PASS



1-N2--15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9
 -9.296-9.860-≤10-PASS



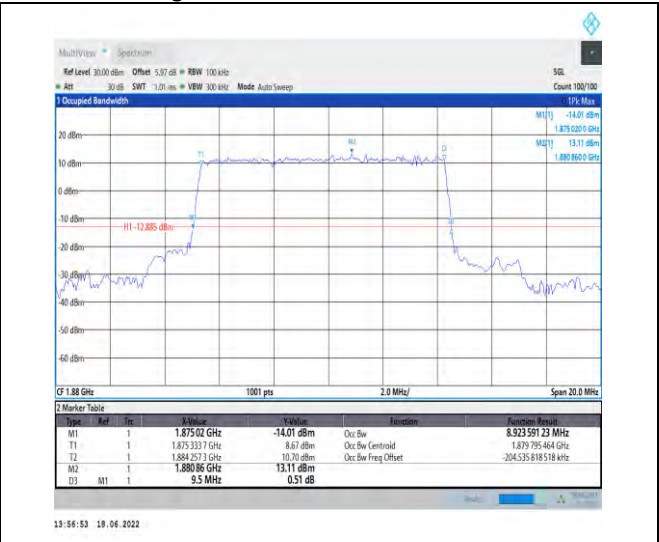
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1-N2--15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1
-8.93-9.620-≤10-PASS



1-N2--15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1
-8.924-9.500-≤10-PASS



1-N2--15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1
1-8.932-9.460-≤10-PASS



1-N2--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1
1-8.925-9.540-≤10-PASS



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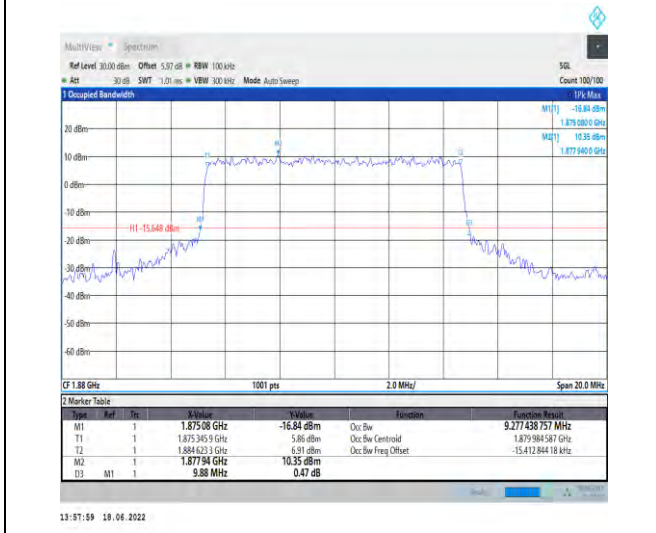
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1-N2--15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
nt1-8.923-9.500-≤10-PASS

1-N2--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9
.296-9.880-≤10-PASS



1-N2--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1
-9.277-9.880-≤10-PASS

1-N2--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1
-9.284-9.900-≤10-PASS



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1-N2--15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
1-9.287-9.780-≤10-PASS



1-N2--15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1
8.922-9.540-≤10-PASS



1-N2--15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-8.924-9.560-≤10-PASS



1-N2--15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant
1-8.934-9.460-≤10-PASS

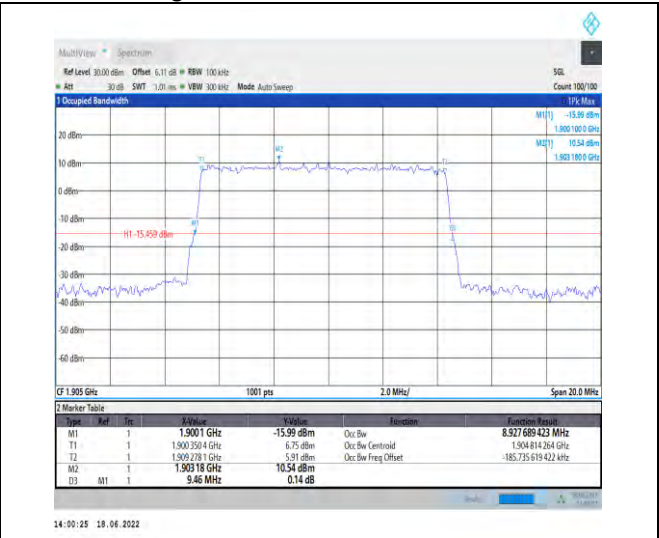


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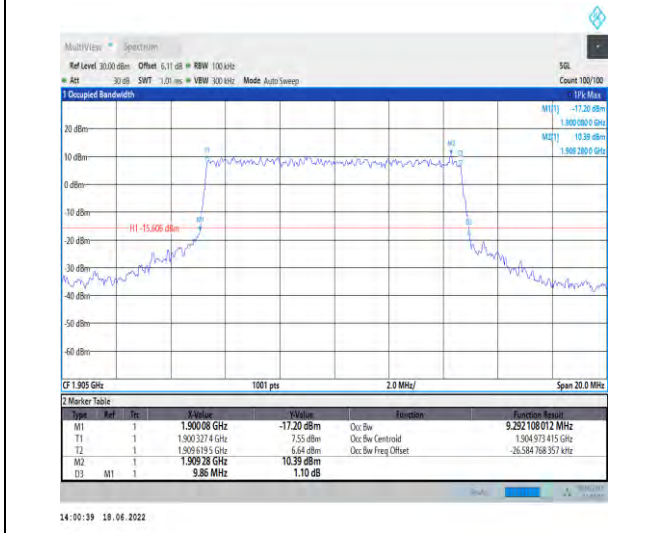
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1-N2--15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant
1-8.936-9.580-≤10-PASS

1-N2--15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant
t1-8.928-9.460-≤10-PASS



1-N2--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9
.292-9.860-≤10-PASS

1-N2--15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9
9.275-9.820-≤10-PASS



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1-N2--15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1
 -9.29-9.940-≤10-PASS



1-N2--15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant
 1-9.286-9.880-≤10-PASS



1-N2--15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-
 13.473-14.220-≤15-PASS



1-N2--15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-An
 t1-13.424-14.130-≤15-PASS



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1-N2--15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant
1-13.435-14.310≤15-PASS

1-N2--15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1
-13.421-14.250≤15-PASS



1-N2--15-15-L-5-DFT-256QAM-Outer_Full-75@0-An
t1-13.443-14.220≤15-PASS

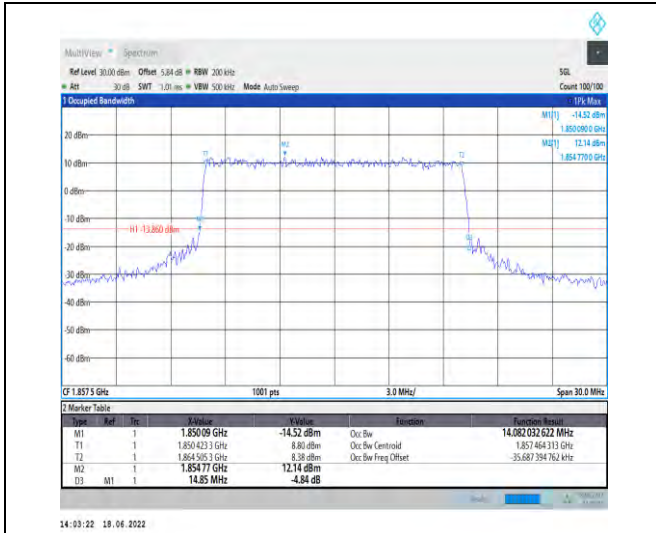
1-N2--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1
4.113-14.940≤15-PASS



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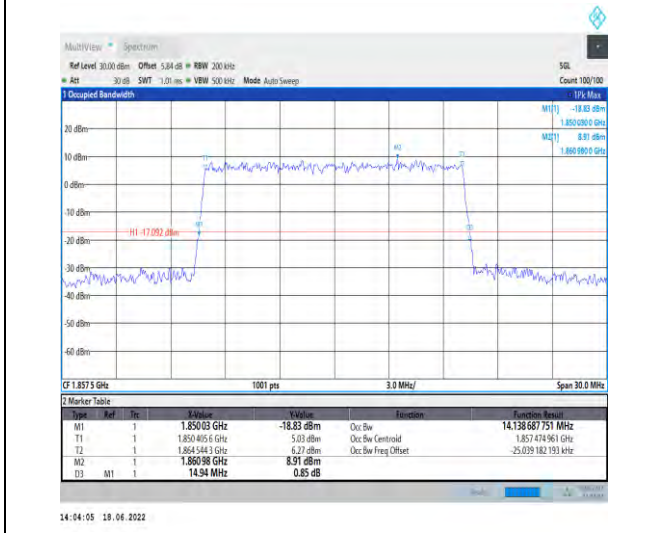
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1-N2--15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.082-14.850-≤15-PASS

1-N2--15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.123-14.820-≤15-PASS



1-N2--15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.139-14.940-≤15-PASS

1-N2--15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.449-14.220-≤15-PASS



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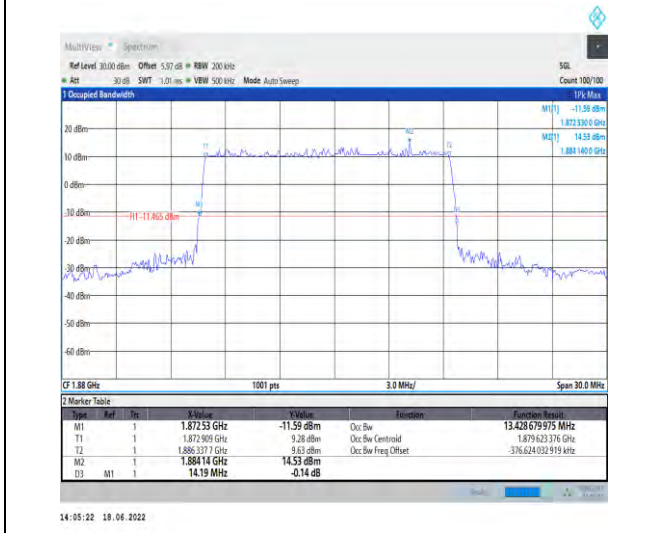
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1-N2--15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-A
nt1-13.426-14.100-≤15-PASS

1-N2--15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant
1-13.434-14.190-≤15-PASS



1-N2--15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
1-13.429-14.190-≤15-PASS

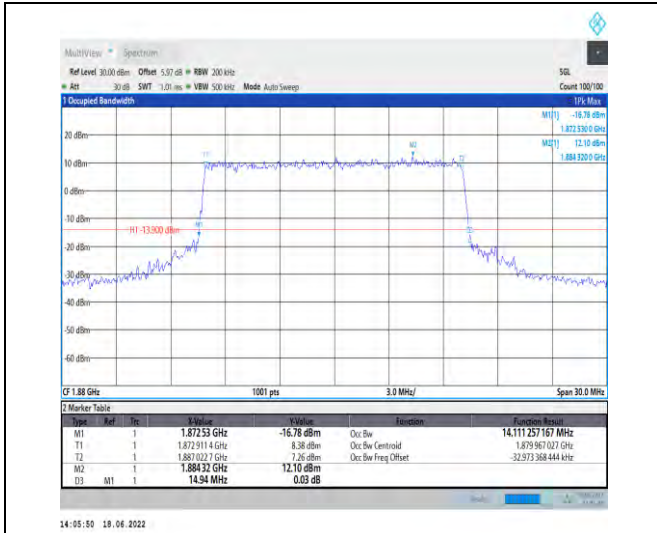
1-N2--15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant
1-13.431-14.250-≤15-PASS



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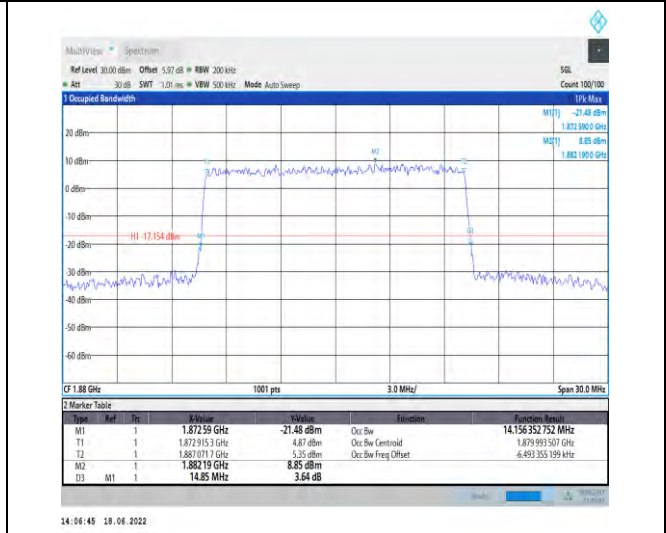
1-N2--15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.111-14.940-≤15-PASS



1-N2--15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.121-14.880-≤15-PASS



1-N2--15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.105-14.760-≤15-PASS



1-N2--15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.156-14.850-≤15-PASS



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1-N2--15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.439-14.100-≤15-PASS

1-N2--15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.429-14.130-≤15-PASS



1-N2--15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.432-14.250-≤15-PASS

1-N2--15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.421-14.190-≤15-PASS

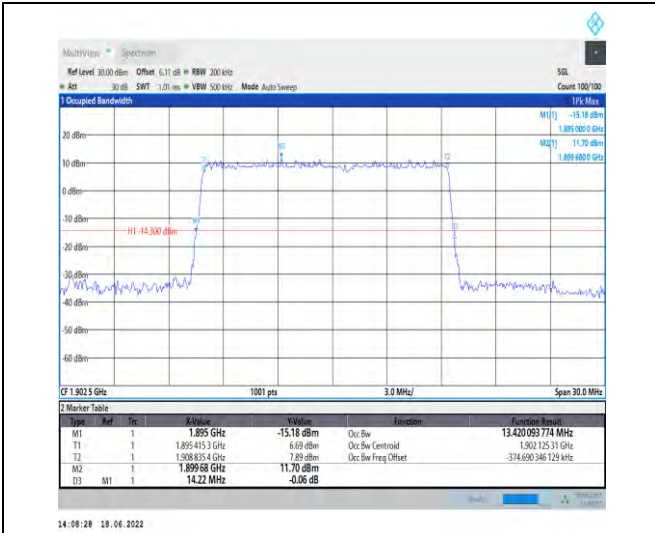


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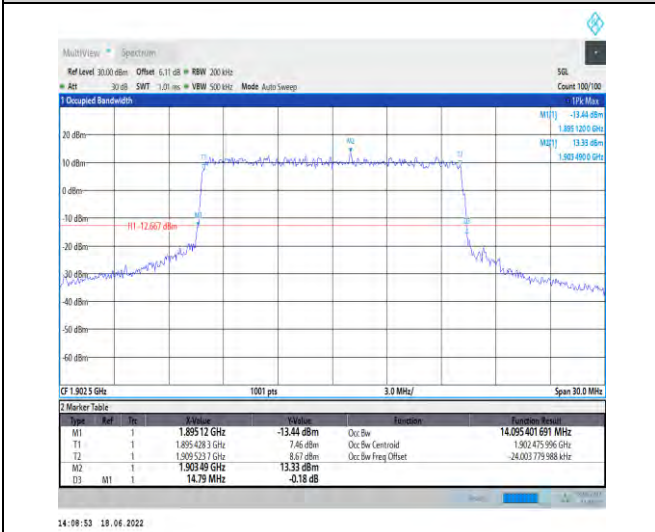
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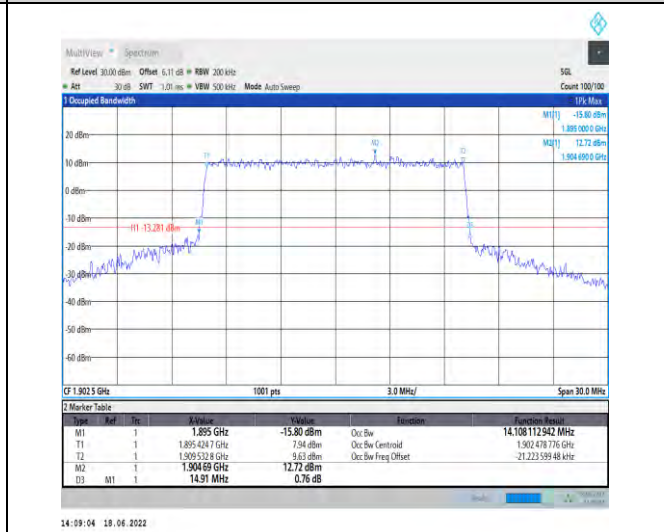
1-N2--15-15-H-5-DFT-256QAM-Outer_Full-75@0-An
t1-13.42-14.220-≤15-PASS



1-N2--15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1
4.098-14.820-≤15-PASS



1-N2--15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant1
-14.095-14.790-≤15-PASS



1-N2--15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-1
14.108-14.910-≤15-PASS



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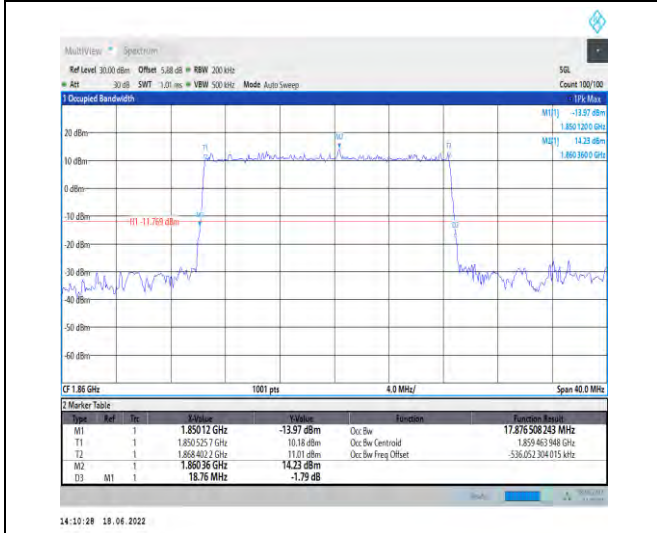
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1-N2--15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant
1-14.112-14.880-≤15-PASS



1-N2--15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant1
-17.868-18.600-≤20-PASS



1-N2--15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-A
nt1-17.877-18.760-≤20-PASS



1-N2--15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant
1-17.876-18.680-≤20-PASS



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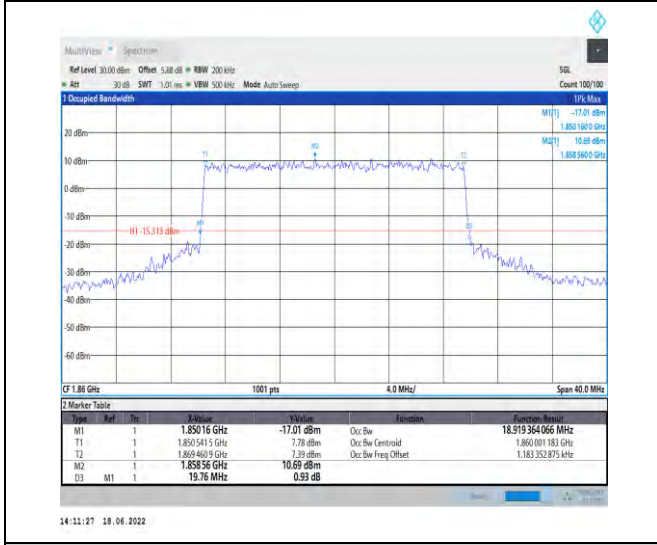
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1-N2--15-20-L-4-DFT-64QAM-Outer_Full-100@0-An
t1-17.862-18.680-<=20-PASS



1-N2--15-20-L-5-DFT-256QAM-Outer_Full-100@0-A
nt1-17.851-18.640-<=20-PASS



1-N2--15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-
18.919-19.760-<=20-PASS



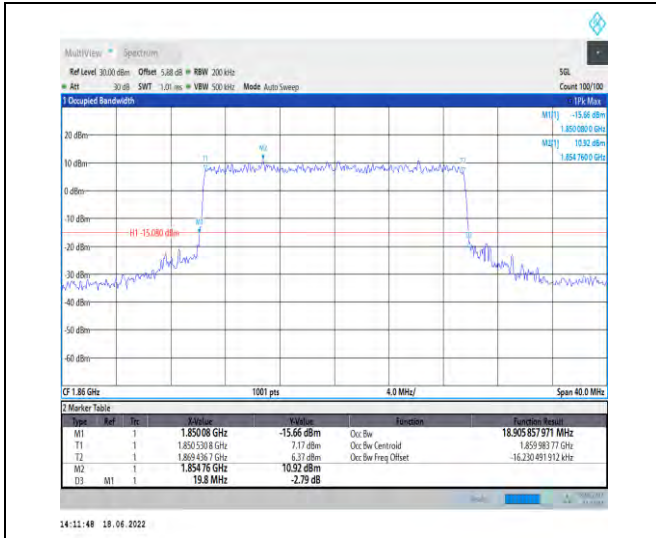
1-N2--15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1
-18.926-19.800-<=20-PASS



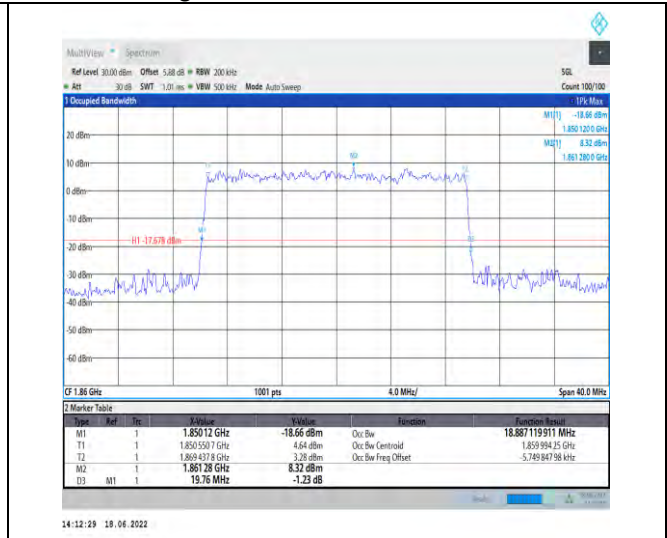
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1-N2--15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant
1-18.906-19.800-≤20-PASS



1-N2--15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant
1-18.887-19.760-≤20-PASS



1-N2--15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.867-18.640-≤20-PASS



1-N2--15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant
1-17.875-18.760-≤20-PASS



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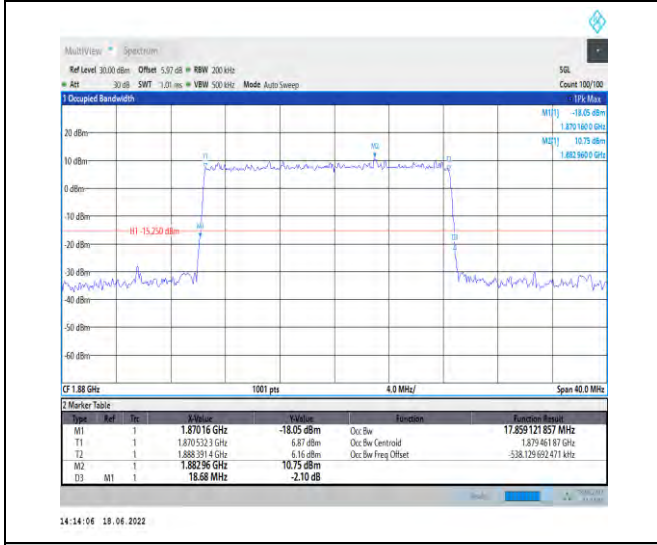
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1-N2--15-20-M-3-DFT-16QAM-Outer_Full-100@0-A
nt1-17.866-18.720-≤20-PASS



1-N2--15-20-M-4-DFT-64QAM-Outer_Full-100@0-An
t1-17.857-18.680-≤20-PASS



1-N2--15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1
Ant1-17.859-18.680-≤20-PASS

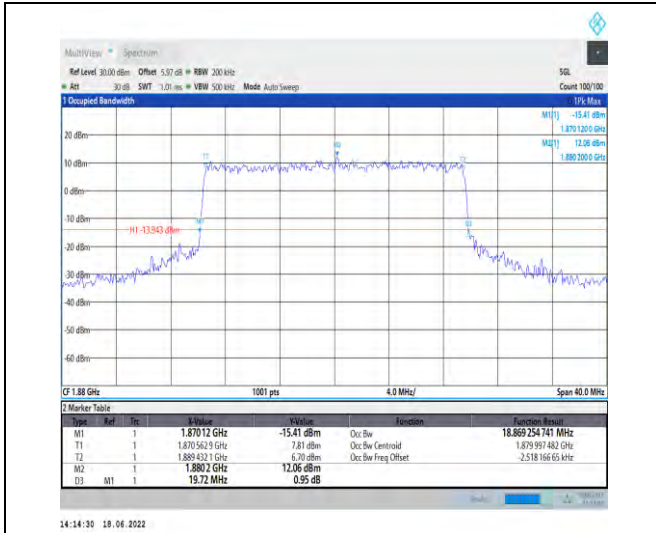


1-N2--15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1
18.871-19.760-≤20-PASS

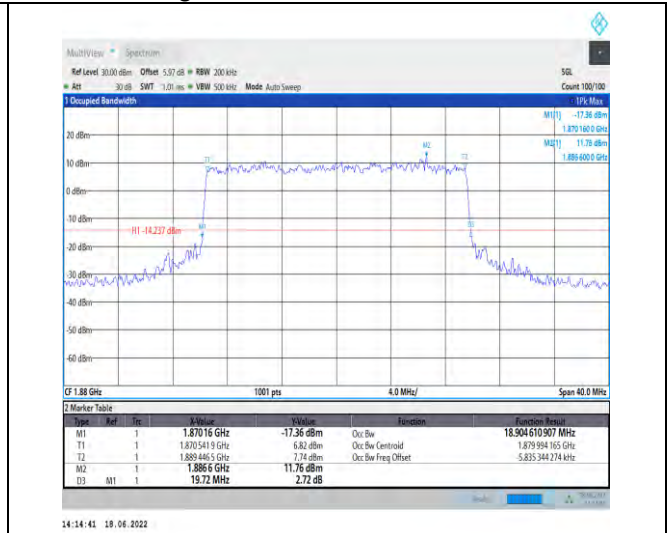


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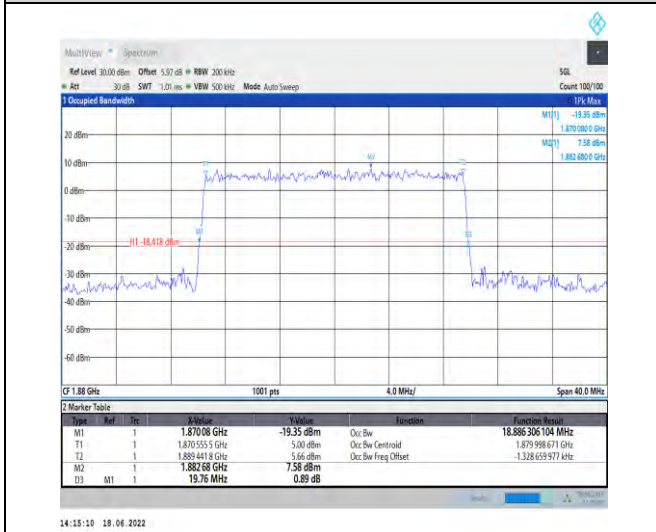
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1-N2--15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant
1-18.869-19.720-≤20-PASS



1-N2--15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant
1-18.905-19.720-≤20-PASS



1-N2--15-20-M-9-CP-256QAM-Outer_Full-106@0-A
nt1-18.886-19.760-≤20-PASS



1-N2--15-20-H-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.837-18.680-≤20-PASS



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1-N2--15-20-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.865-18.720-≤ 20-PASS

1-N2--15-20-H-3-DFT-16QAM-Outer_Full-100@0-An t1-17.876-18.760-≤ 20-PASS



1-N2--15-20-H-4-DFT-64QAM-Outer_Full-100@0-An t1-17.877-18.760-≤ 20-PASS

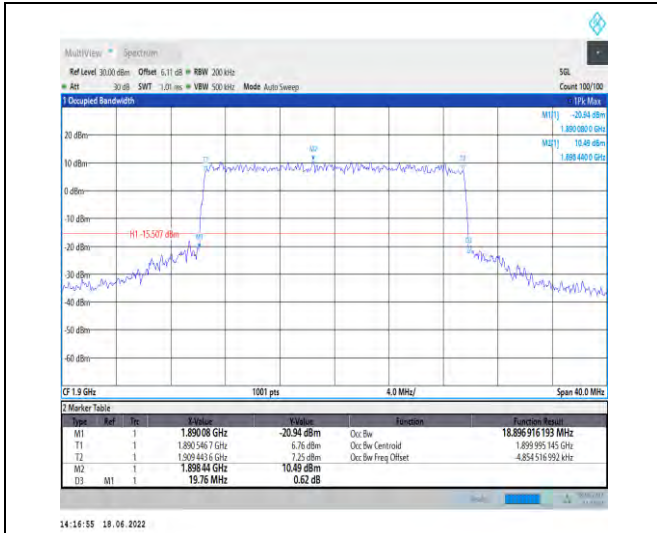
1-N2--15-20-H-5-DFT-256QAM-Outer_Full-100@0-A nt1-17.86-18.720-≤ 20-PASS



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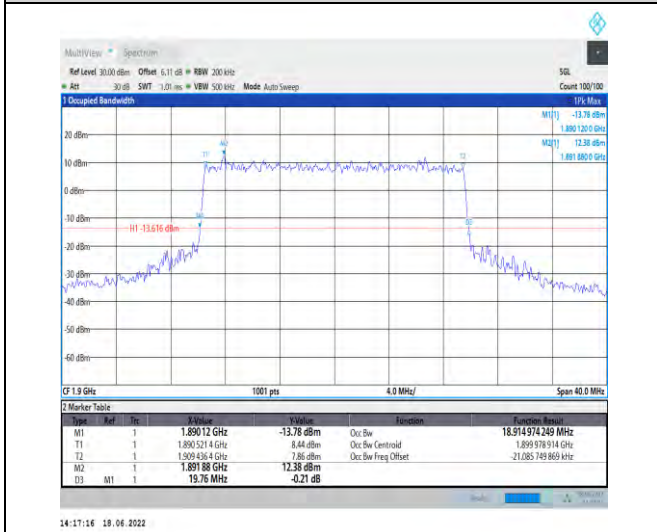
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1-N2--15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1
18.897-19.760-≤20-PASS



1-N2--15-20-H-7-CP-16QAM-Outer_Full-106@0-Ant
1-18.916-19.640-≤20-PASS



1-N2--15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant
1-18.915-19.760-≤20-PASS



1-N2--15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant
t1-18.883-19.800-≤20-PASS



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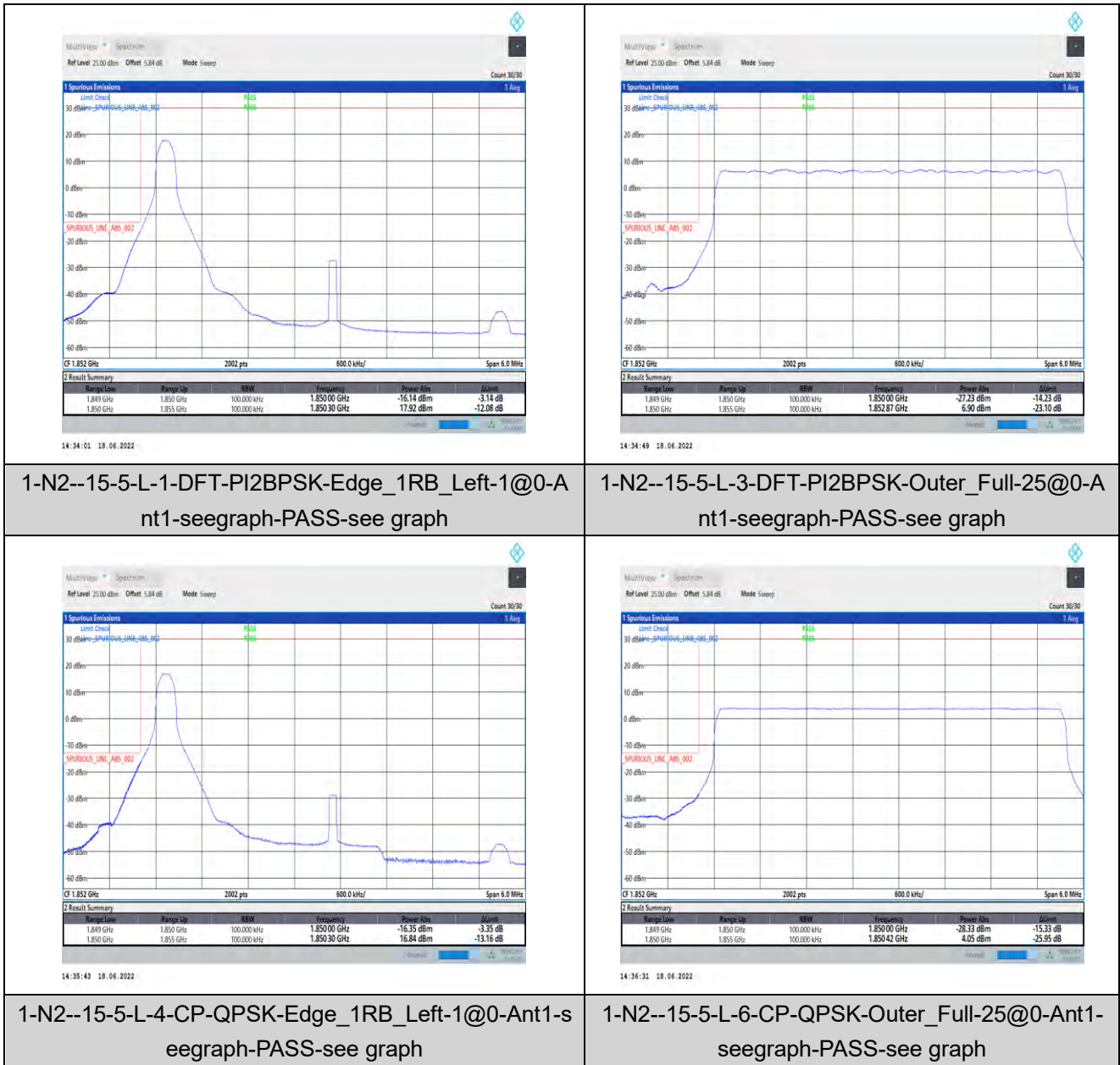
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Band Edge for SA

Test Graphs



1-N2--15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-A
 nt1-seegraph-PASS-see graph

1-N2--15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-A
 nt1-seegraph-PASS-see graph

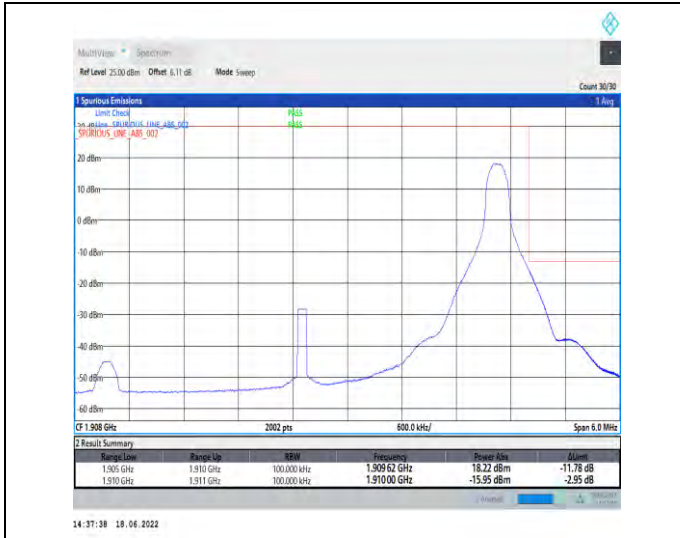
1-N2--15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-s
 eegraph-PASS-see graph

1-N2--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-
 seegraph-PASS-see graph



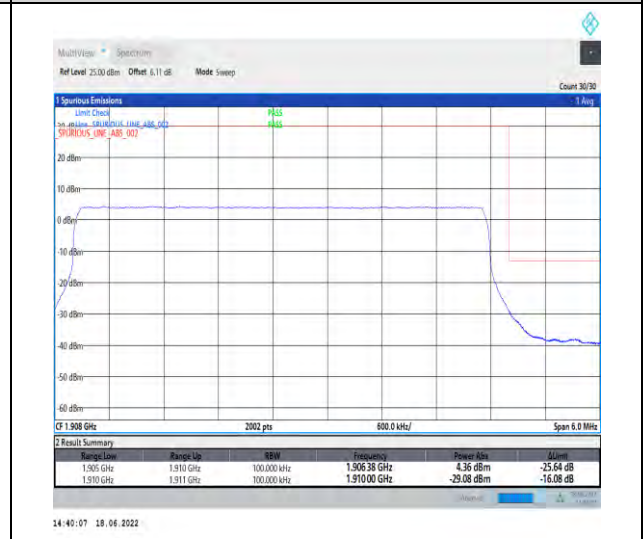
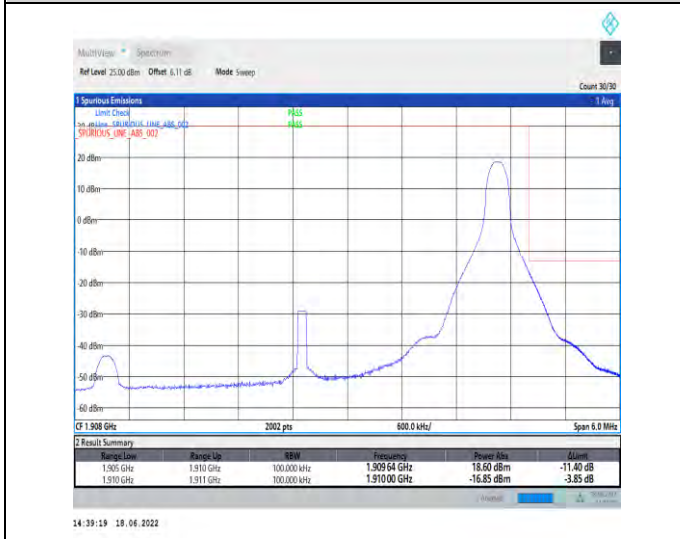
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1-N2--15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2
4-Ant1-seegraph-PASS-see graph

1-N2--15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-A
nt1-seegraph-PASS-see graph



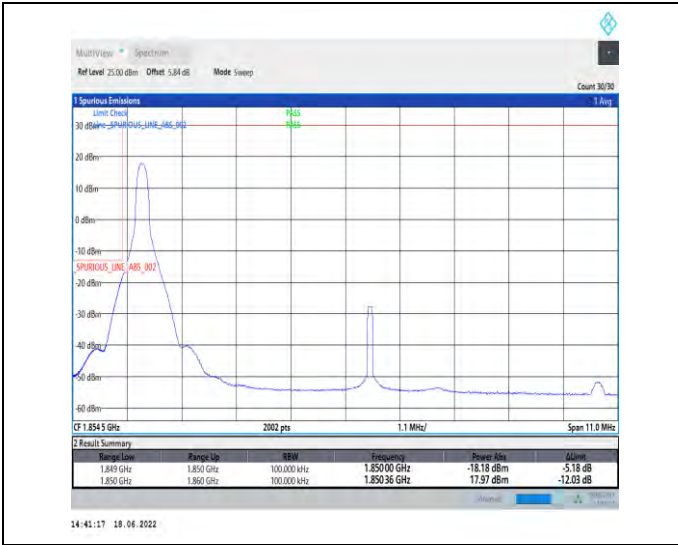
1-N2--15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant
1-seegraph-PASS-see graph

1-N2--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-
seegraph-PASS-see graph



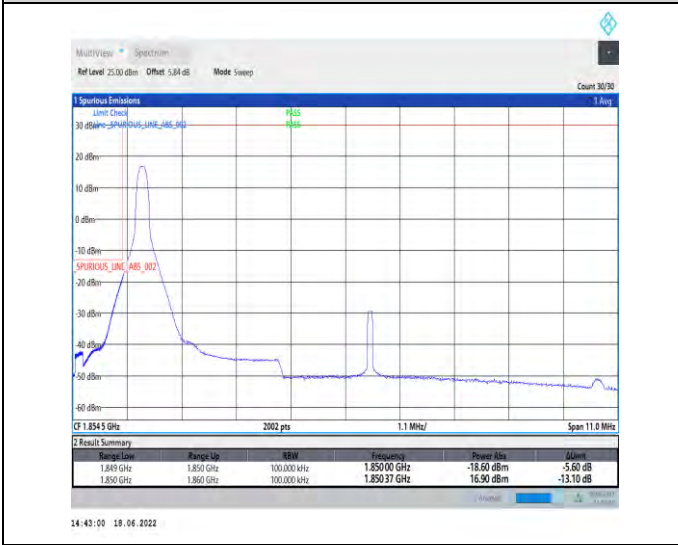
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1-N2--15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

1-N2--15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-seegraph-PASS-see graph



1-N2--15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

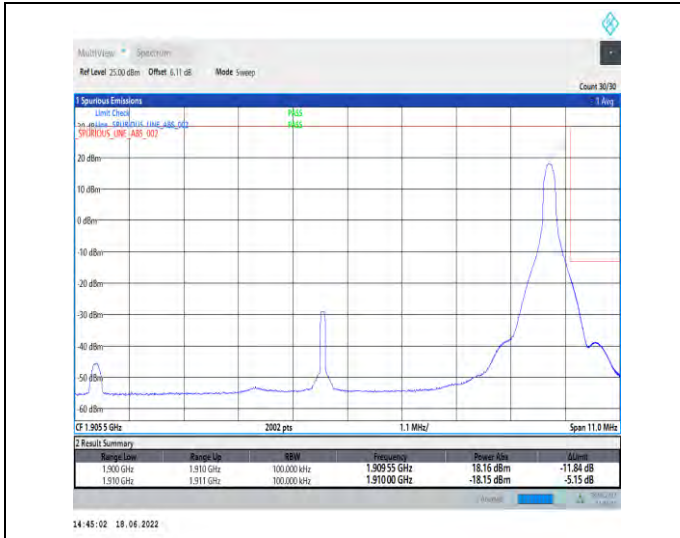
1-N2--15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-seegraph-PASS-see graph



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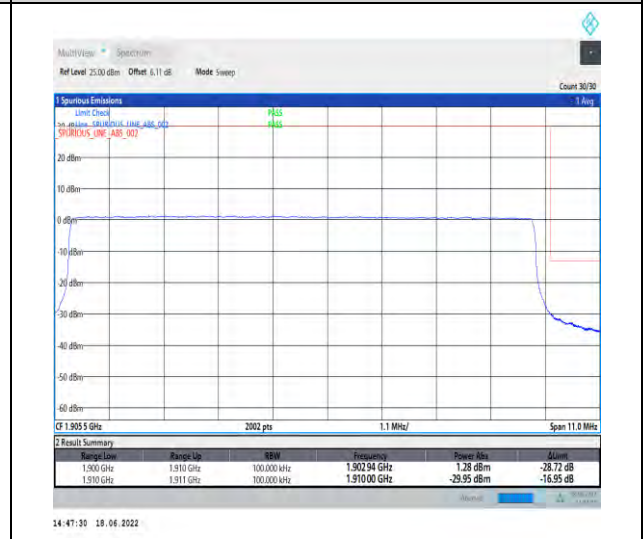
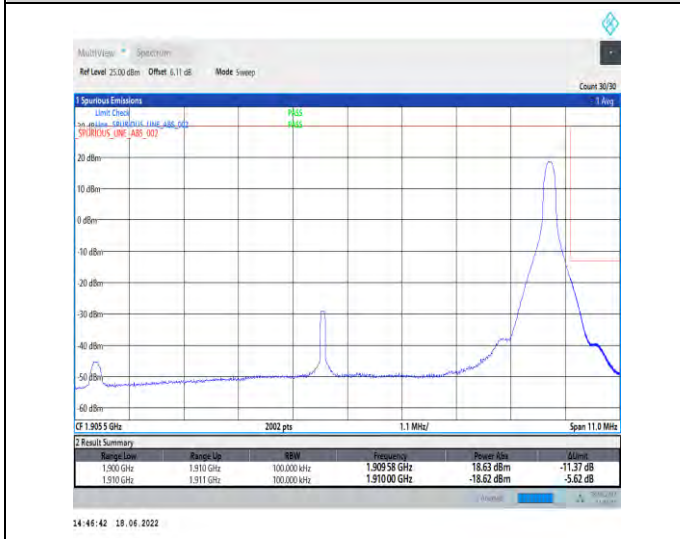
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1-N2--15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-seegraph-PASS-see graph

1-N2--15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-seegraph-PASS-see graph



1-N2--15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-seegraph-PASS-see graph

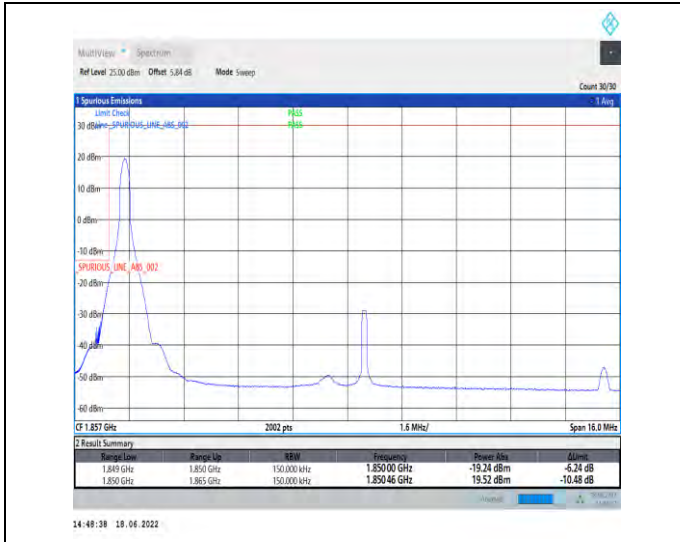
1-N2--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-seegraph-PASS-see graph



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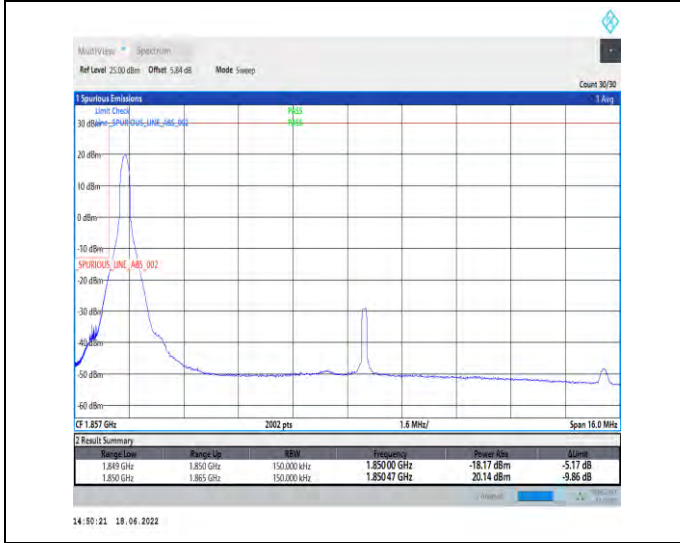
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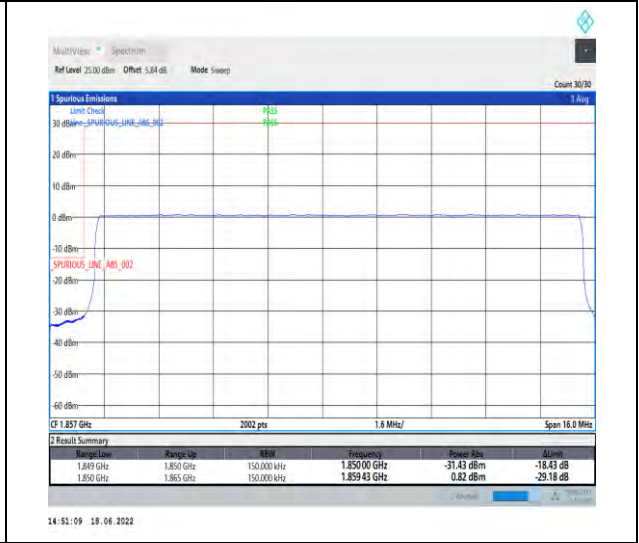
1-N2--15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



1-N2--15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-seegraph-PASS-see graph



1-N2--15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



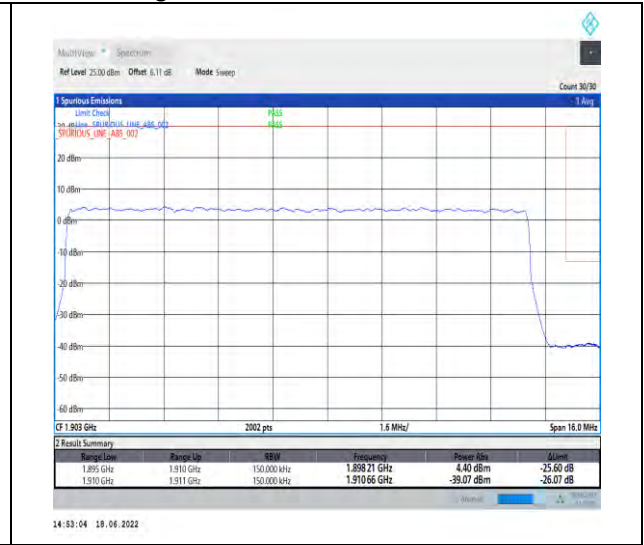
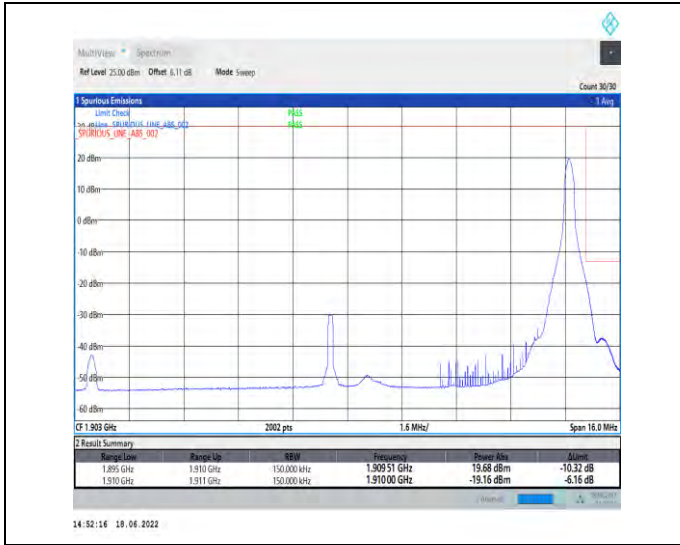
1-N2--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-seegraph-PASS-see graph



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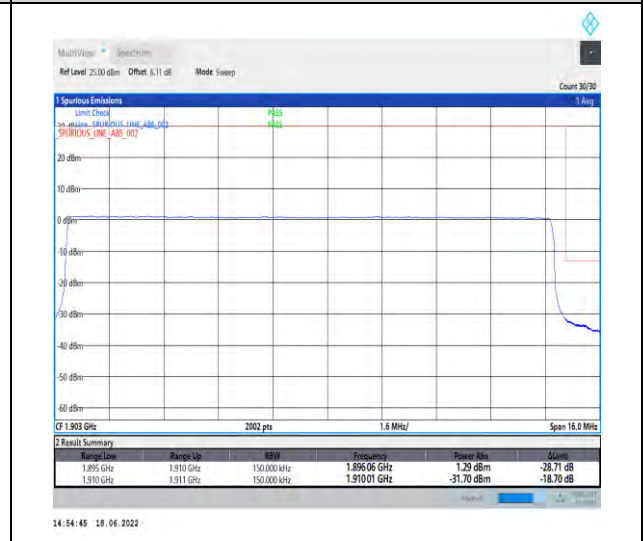
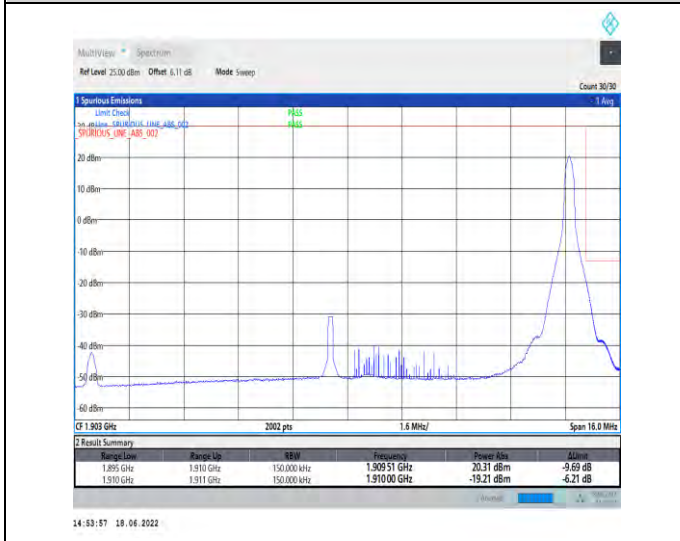
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1-N2--15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-seegraph-PASS-see graph

1-N2--15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-seegraph-PASS-see graph



1-N2--15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-seegraph-PASS-see graph

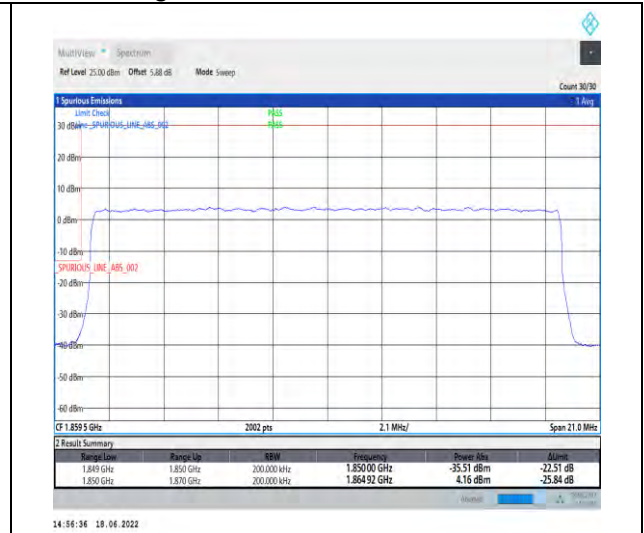
1-N2--15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-seegraph-PASS-see graph



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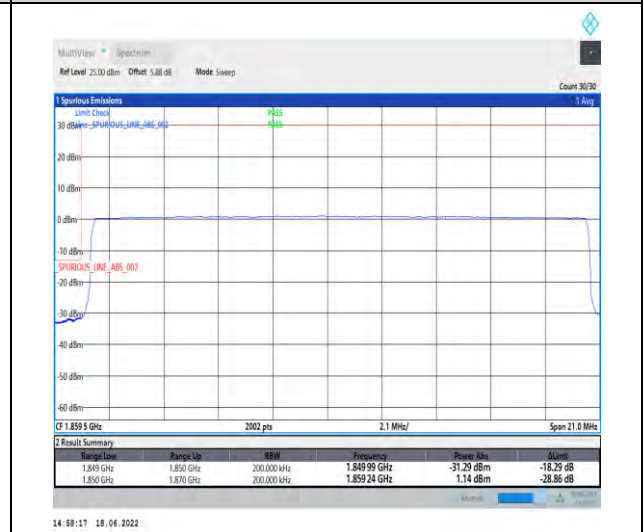
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1-N2--15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

1-N2--15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-seegraph-PASS-see graph



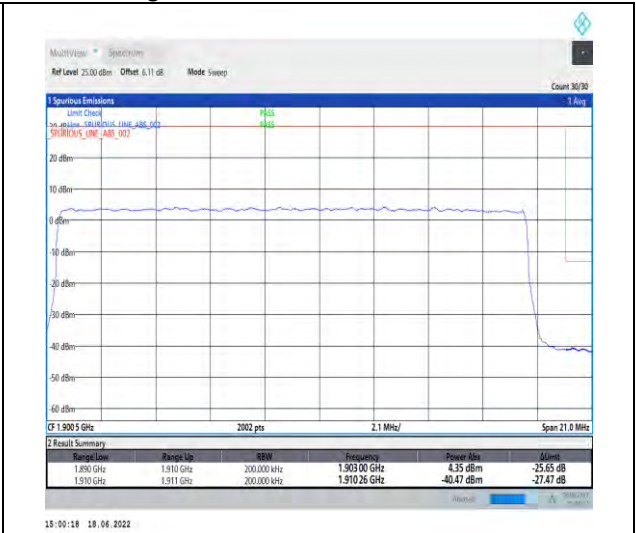
1-N2--15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

1-N2--15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-seegraph-PASS-see graph



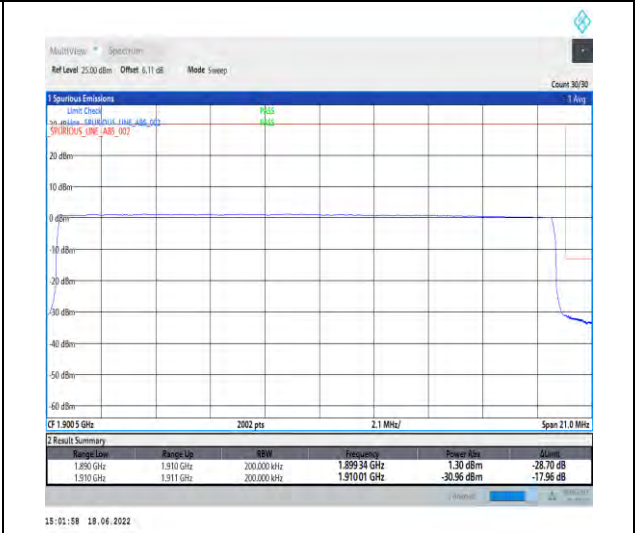
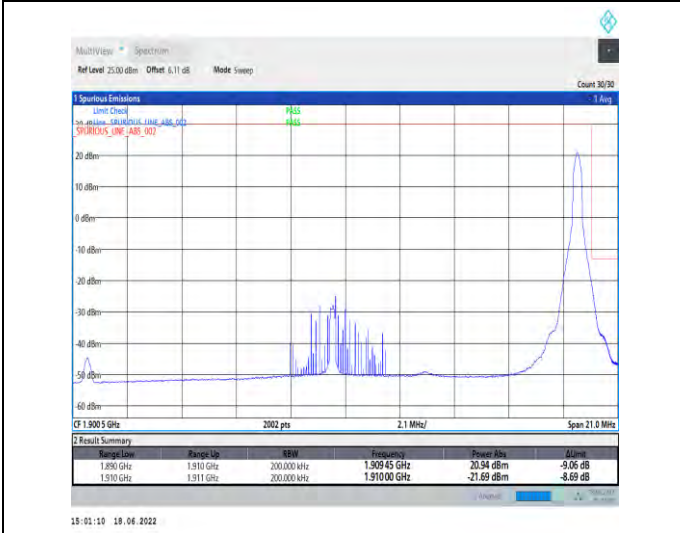
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1-N2--15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-seegraph-PASS-see graph

1-N2--15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-seegraph-PASS-see graph



1-N2--15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-seegraph-PASS-see graph

1-N2--15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-seegraph-PASS-see graph

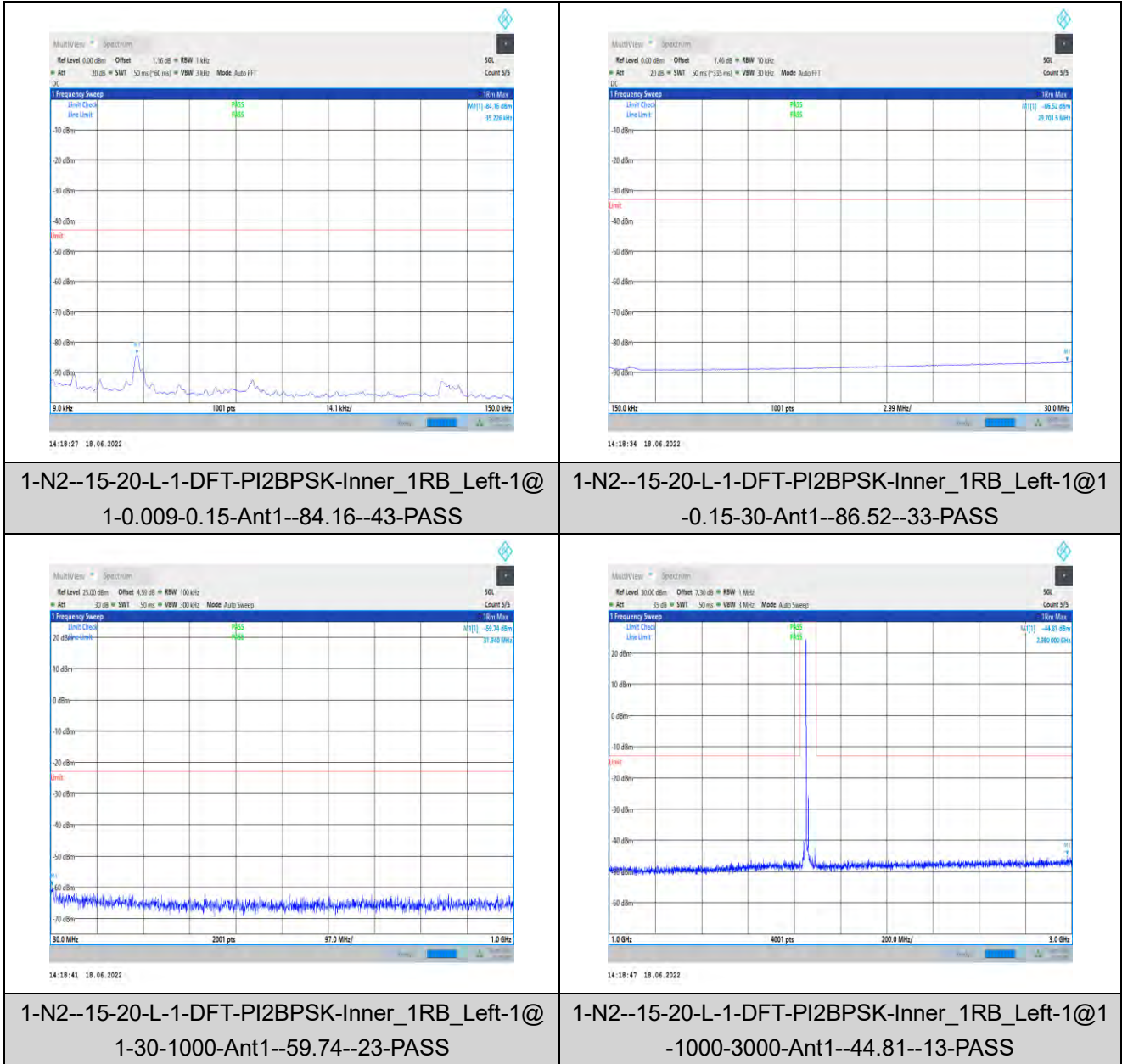


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Conducted Spurious Emission for SA

Test Graphs



1-N2--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-0.009-0.15-Ant1--84.16--43-PASS

1-N2--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -0.15-30-Ant1--86.52--33-PASS

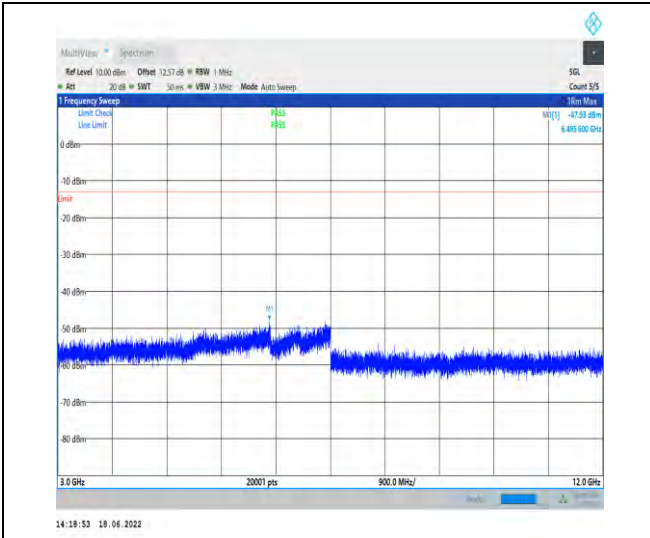
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 1-30-1000-Ant1--59.74--23-PASS

1-N2--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
 -1000-3000-Ant1--44.81--13-PASS

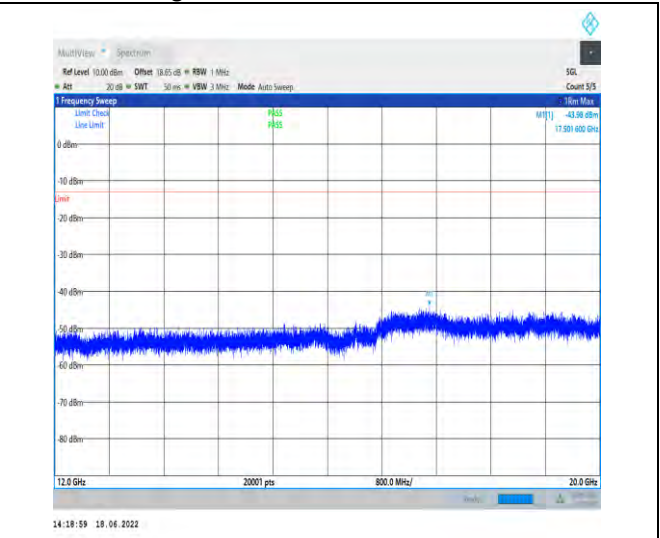


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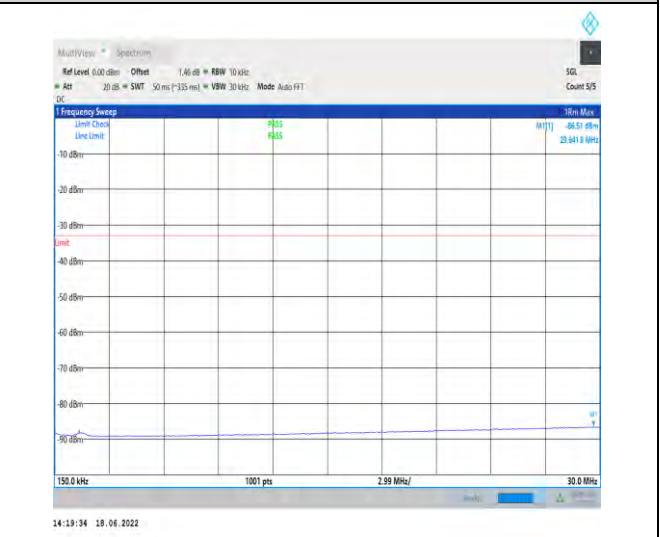
1-N2--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant1--47.93--13-PASS



1-N2--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1
-12000-20000-Ant1--43.98--13-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.009-0.15-Ant1--85.16--43-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant1--86.51--33-PASS



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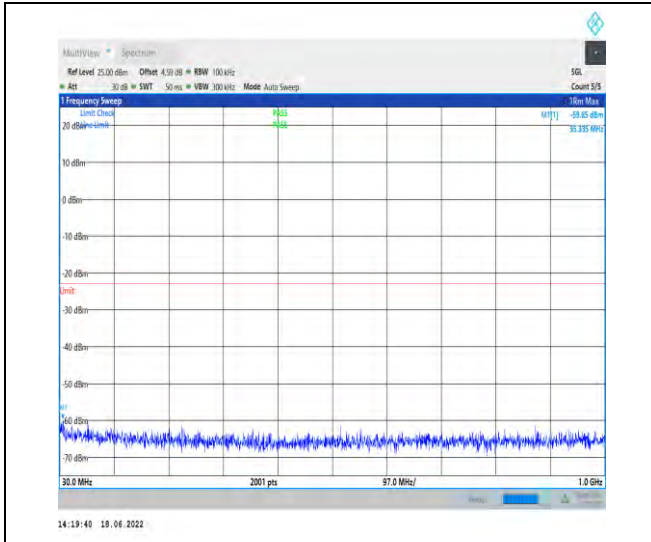
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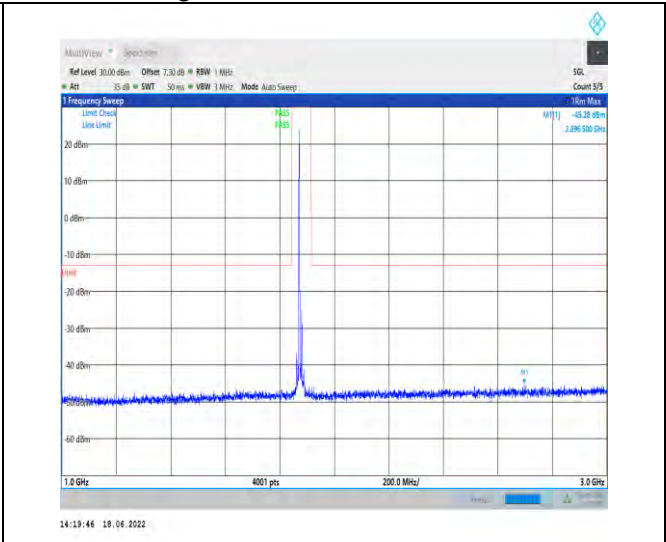
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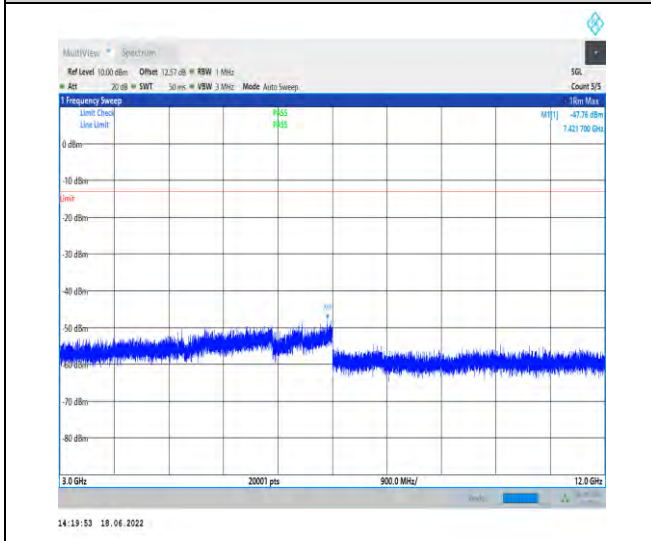
t (86-512) 62992980 sgs.china@sgs.com



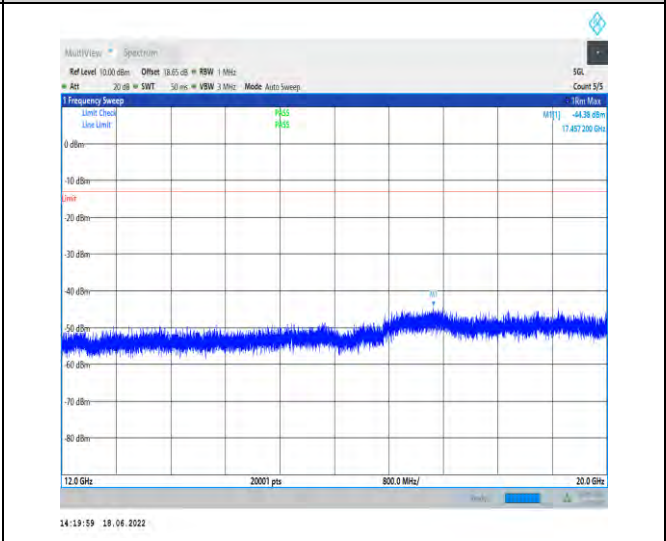
1-N2--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-30-1000-Ant1--59.85--23-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-1000-3000-Ant1--45.28--13-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-3000-12000-Ant1--47.76--13-PASS



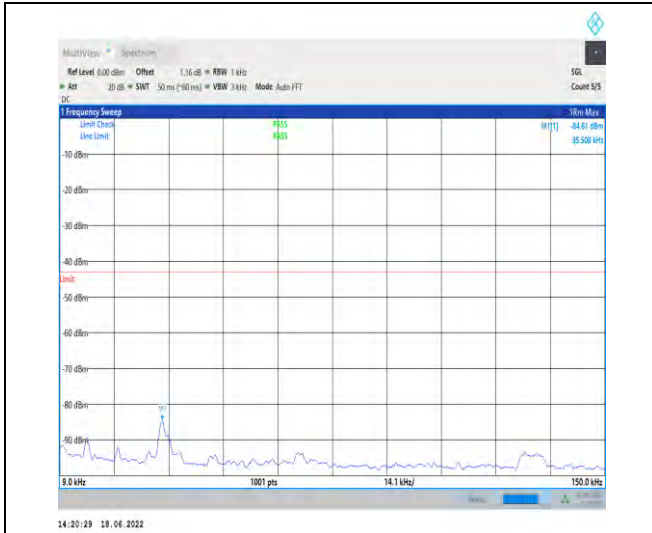
1-N2--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-12000-20000-Ant1--44.38--13-PASS



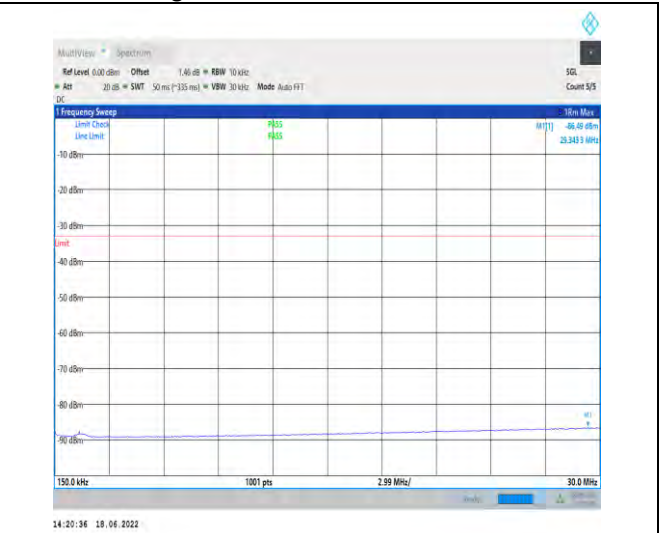
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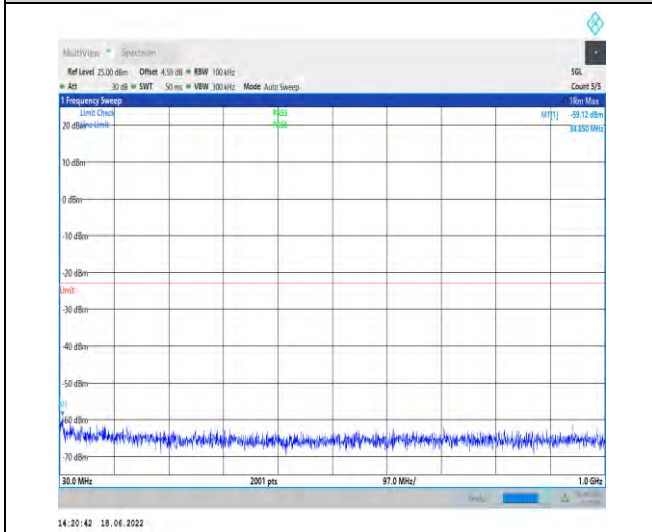
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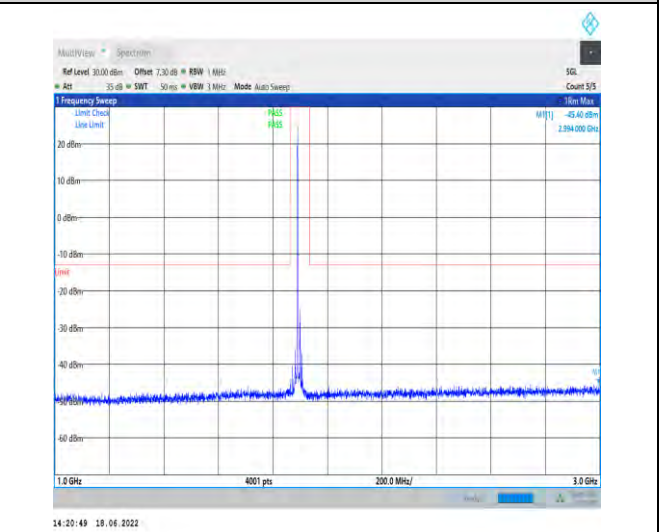
1-N2--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.009-0.15-Ant1--84.61--43-PASS



1-N2--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant1--86.49--33-PASS



1-N2--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-30-1000-Ant1--59.12--23-PASS



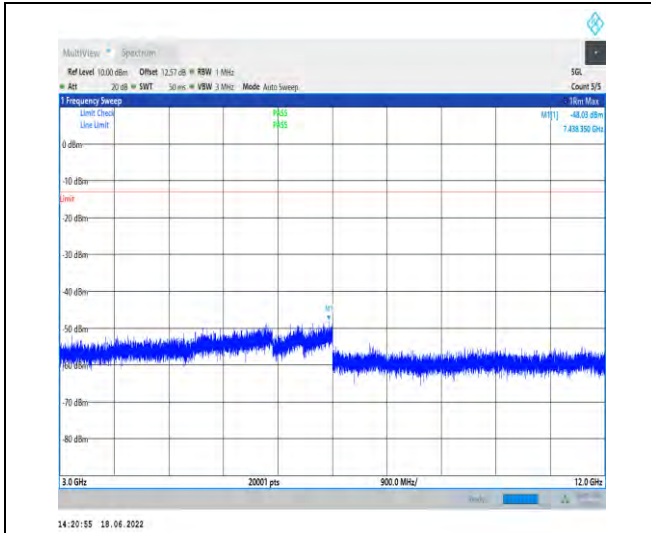
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1-1000-3000-Ant1--45.40--13-PASS



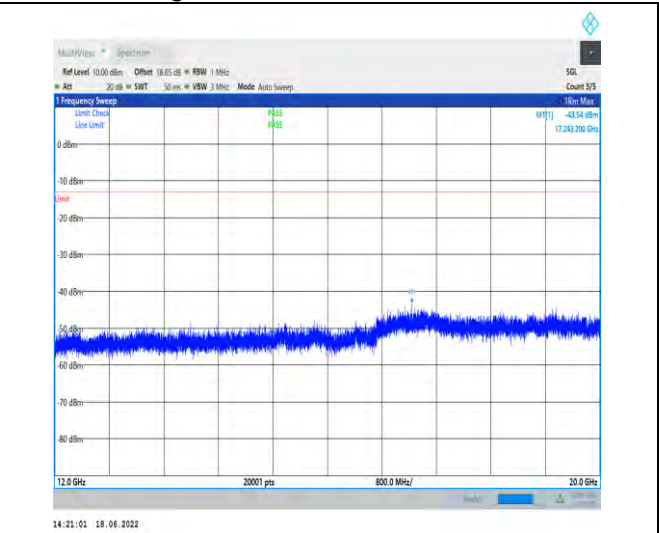
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1-N2--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant1--48.03--13-PASS



1-N2--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant1--43.54--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band2_ TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	50.47	-110.79	-60.32	-13.00	47.32	214	216	Horizontal
2	5553.2700	49.22	-107.44	-58.22	-13.00	45.22	136	209	Horizontal
3	7404.3600	49.47	-102.17	-52.70	-13.00	39.70	191	195	Horizontal
4	9255.4500	45.57	-97.11	-51.54	-13.00	38.54	172	1	Horizontal
5	11106.5400	42.86	-94.10	-51.24	-13.00	38.24	215	181	Horizontal
6	12957.6300	41.13	-92.71	-51.58	-13.00	38.58	142	195	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	50.38	-110.79	-60.41	-13.00	47.41	196	28	Vertical
2	5553.2700	48.91	-107.44	-58.53	-13.00	45.53	188	44	Vertical
3	7404.3600	48.42	-102.17	-53.75	-13.00	40.75	174	103	Vertical
4	9255.4500	44.85	-97.11	-52.26	-13.00	39.26	251	286	Vertical
5	11106.5400	41.59	-94.10	-52.51	-13.00	39.51	230	134	Vertical
6	12957.6300	40.76	-92.71	-51.95	-13.00	38.95	163	120	Vertical



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Test Band = SA Band2_ TM1
 Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	50.06	-110.82	-60.76	-13.00	47.76	174	294	Horizontal
2	5613.2700	50.24	-107.23	-56.99	-13.00	43.99	125	43	Horizontal
3	7484.3600	47.53	-101.99	-54.46	-13.00	41.46	230	2	Horizontal
4	9355.4500	45.15	-96.81	-51.66	-13.00	38.66	236	331	Horizontal
5	11226.5400	42.48	-93.55	-51.07	-13.00	38.07	191	236	Horizontal
6	13097.6300	40.31	-92.39	-52.08	-13.00	39.08	142	331	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	49.90	-110.82	-60.92	-13.00	47.92	284	6	Vertical
2	5613.2700	49.08	-107.23	-58.15	-13.00	45.15	266	133	Vertical
3	7484.3600	48.56	-101.99	-53.43	-13.00	40.43	191	316	Vertical
4	9355.4500	45.97	-96.81	-50.84	-13.00	37.84	142	301	Vertical
5	11226.5400	42.15	-93.55	-51.40	-13.00	38.40	230	28	Vertical
6	13097.6300	39.73	-92.39	-52.66	-13.00	39.66	132	194	Vertical



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Test Band = SA Band2_ TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	49.74	-110.84	-61.10	-13.00	48.10	296	26	Horizontal
2	5673.2700	48.15	-106.88	-58.73	-13.00	45.73	184	142	Horizontal
3	7564.3600	47.68	-101.86	-54.18	-13.00	41.18	172	58	Horizontal
4	9455.4500	43.38	-96.84	-53.46	-13.00	40.46	222	286	Horizontal
5	11346.5400	41.80	-93.55	-51.75	-13.00	38.75	126	255	Horizontal
6	13237.6300	40.68	-92.37	-51.69	-13.00	38.69	230	195	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	48.98	-110.84	-61.86	-13.00	48.86	184	1	Vertical
2	5673.2700	48.89	-106.88	-57.99	-13.00	44.99	120	165	Vertical
3	7564.3600	47.36	-101.86	-54.50	-13.00	41.50	134	1	Vertical
4	9455.4500	43.73	-96.84	-53.11	-13.00	40.11	225	344	Vertical
5	11346.5400	42.16	-93.55	-51.39	-13.00	38.39	194	209	Vertical
6	13237.6300	40.31	-92.37	-52.06	-13.00	39.06	135	314	Vertical



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Test Band = NSA 13A-n2A_ TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	50.36	-110.79	-60.43	-13.00	47.43	199	74	Horizontal
2	5553.2700	50.10	-107.44	-57.34	-13.00	44.34	156	134	Horizontal
3	7404.3600	48.97	-102.17	-53.20	-13.00	40.20	264	346	Horizontal
4	9255.4500	44.83	-97.11	-52.28	-13.00	39.28	123	211	Horizontal
5	11106.5400	43.45	-94.10	-50.65	-13.00	37.65	261	256	Horizontal
6	12957.6300	41.57	-92.71	-51.14	-13.00	38.14	144	356	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	50.13	-110.79	-60.66	-13.00	47.66	148	31	Vertical
2	5553.2700	49.50	-107.44	-57.94	-13.00	44.94	154	356	Vertical
3	7404.3600	48.36	-102.17	-53.81	-13.00	40.81	175	16	Vertical
4	9255.4500	45.95	-97.11	-51.16	-13.00	38.16	126	356	Vertical
5	11106.5400	42.71	-94.10	-51.39	-13.00	38.39	265	74	Vertical
6	12957.6300	40.40	-92.71	-52.31	-13.00	39.31	164	195	Vertical



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Test Band = NSA 13A-n2A_TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	50.54	-110.82	-60.28	-13.00	47.28	145	1	Horizontal
2	5613.2700	49.36	-107.23	-57.87	-13.00	44.87	184	133	Horizontal
3	7484.3600	47.69	-101.99	-54.30	-13.00	41.30	166	125	Horizontal
4	9355.4500	44.43	-96.81	-52.38	-13.00	39.38	236	209	Horizontal
5	11226.5400	42.18	-93.55	-51.37	-13.00	38.37	261	2	Horizontal
6	13097.6300	42.79	-92.39	-49.60	-13.00	36.60	194	343	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	49.97	-110.82	-60.85	-13.00	47.85	155	58	Vertical
2	5613.2700	49.01	-107.23	-58.22	-13.00	45.22	145	117	Vertical
3	7484.3600	48.96	-101.99	-53.03	-13.00	40.03	266	117	Vertical
4	9355.4500	45.25	-96.81	-51.56	-13.00	38.56	214	142	Vertical
5	11226.5400	43.57	-93.55	-49.98	-13.00	36.98	195	251	Vertical
6	13097.6300	40.42	-92.39	-51.97	-13.00	38.97	145	26	Vertical



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Test Band = NSA 13A-n2A_TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	52.08	-110.84	-58.76	-13.00	45.76	122	268	Horizontal
2	5673.2700	48.55	-106.88	-58.33	-13.00	45.33	154	104	Horizontal
3	7564.3600	47.29	-101.86	-54.57	-13.00	41.57	148	357	Horizontal
4	9455.4500	44.87	-96.84	-51.97	-13.00	38.97	175	346	Horizontal
5	11346.5400	41.88	-93.55	-51.67	-13.00	38.67	199	284	Horizontal
6	13237.6300	40.41	-92.37	-51.96	-13.00	38.96	258	104	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	50.61	-110.84	-60.23	-13.00	47.23	148	6	Vertical
2	5673.2700	49.00	-106.88	-57.88	-13.00	44.88	174	316	Vertical
3	7564.3600	47.93	-101.86	-53.93	-13.00	40.93	158	2	Vertical
4	9455.4500	44.43	-96.84	-52.41	-13.00	39.41	169	178	Vertical
5	11346.5400	42.28	-93.55	-51.27	-13.00	38.27	195	208	Vertical
6	13237.6300	40.12	-92.37	-52.25	-13.00	39.25	142	164	Vertical



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Test Band = NSA 66A-n2A_TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	50.16	-110.79	-60.63	-13.00	47.63	142	87	Horizontal
2	5553.2700	47.97	-107.44	-59.47	-13.00	46.47	165	135	Horizontal
3	7404.3600	48.44	-102.17	-53.73	-13.00	40.73	100	316	Horizontal
4	9255.4500	43.94	-97.11	-53.17	-13.00	40.17	145	316	Horizontal
5	11106.5400	43.06	-94.10	-51.04	-13.00	38.04	263	155	Horizontal
6	12957.6300	41.36	-92.71	-51.35	-13.00	38.35	211	301	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	49.82	-110.79	-60.97	-13.00	47.97	184	212	Vertical
2	5553.2700	49.25	-107.44	-58.19	-13.00	45.19	175	225	Vertical
3	7404.3600	48.32	-102.17	-53.85	-13.00	40.85	211	155	Vertical
4	9255.4500	43.85	-97.11	-53.26	-13.00	40.26	265	270	Vertical
5	11106.5400	41.56	-94.10	-52.54	-13.00	39.54	295	332	Vertical
6	12957.6300	40.48	-92.71	-52.23	-13.00	39.23	142	212	Vertical



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Test Band = NSA 66A-n2A_TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	49.49	-110.82	-61.33	-13.00	48.33	154	16	Horizontal
2	5613.2700	47.74	-107.23	-59.49	-13.00	46.49	185	118	Horizontal
3	7484.3600	47.37	-101.99	-54.62	-13.00	41.62	136	122	Horizontal
4	9355.4500	44.38	-96.81	-52.43	-13.00	39.43	211	255	Horizontal
5	11226.5400	44.61	-93.55	-48.94	-13.00	35.94	191	56	Horizontal
6	13097.6300	40.80	-92.39	-51.59	-13.00	38.59	188	208	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	50.24	-110.82	-60.58	-13.00	47.58	148	60	Vertical
2	5613.2700	49.67	-107.23	-57.56	-13.00	44.56	154	122	Vertical
3	7484.3600	48.66	-101.99	-53.33	-13.00	40.33	175	16	Vertical
4	9355.4500	44.10	-96.81	-52.71	-13.00	39.71	261	226	Vertical
5	11226.5400	42.09	-93.55	-51.46	-13.00	38.46	169	166	Vertical
6	13097.6300	41.19	-92.39	-51.20	-13.00	38.20	142	272	Vertical



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Test Band = NSA 66A-n2A_TM1
 Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	51.21	-110.84	-59.63	-13.00	46.63	188	357	Horizontal
2	5673.2700	49.60	-106.88	-57.28	-13.00	44.28	145	76	Horizontal
3	7564.3600	48.43	-101.86	-53.43	-13.00	40.43	256	104	Horizontal
4	9455.4500	43.64	-96.84	-53.20	-13.00	40.20	265	17	Horizontal
5	11346.5400	40.77	-93.55	-52.78	-13.00	39.78	291	196	Horizontal
6	13237.6300	40.04	-92.37	-52.33	-13.00	39.33	147	318	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	50.75	-110.84	-60.09	-13.00	47.09	148	125	Vertical
2	5673.2700	48.54	-106.88	-58.34	-13.00	45.34	152	356	Vertical
3	7564.3600	47.19	-101.86	-54.67	-13.00	41.67	266	329	Vertical
4	9455.4500	45.22	-96.84	-51.62	-13.00	38.62	291	3	Vertical
5	11346.5400	41.88	-93.55	-51.67	-13.00	38.67	147	211	Vertical
6	13237.6300	39.59	-92.37	-52.78	-13.00	39.78	180	7	Vertical

Remark:

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

Level = Reading Level(dBμV) + Factor(dB):

Factor = AF(dB/m) + Cable Factor(dB) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dBm) – Level(dBm)



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	19.200000	0.010213	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	18.000000	0.009574	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	15.700000	0.008351	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	12.400000	0.006596	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	18.300000	0.009734	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	17.600000	0.009362	PASS



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Frequency Error VS. Temperature

Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	13.500000	0.007181	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	16.000000	0.008511	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	10.200000	0.005426	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	18.400000	0.009787	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	10.800000	0.005745	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	14.700000	0.007819	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	18.200000	0.009681	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	16.900000	0.008989	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	14.100000	0.007500	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	18.500000	0.009840	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	23.100000	0.012287	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	5.700000	0.003032	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	19.300000	0.010266	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	10.700000	0.005691	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	14.200000	0.007553	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	8.300000	0.004415	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	20.500000	0.010904	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	10.600000	0.005638	PASS

The End



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