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Appendix B.29

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 (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.6	24.13	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.57	24.1	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.64	24.17	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.58	24.11	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.54	24.07	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	23.58	24.11	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	24.05	24.58	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	23.65	24.18	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.59	23.12	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	22.22	22.75	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	22.12	22.65	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	22.06	22.59	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	19.9	20.43	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	19.77	20.3	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	20.01	20.54	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.59	24.12	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.74	24.27	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.68	24.21	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.62	24.15	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.77	24.3	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.64	24.17	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	24.02	24.55	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	24.17	24.7	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.64	23.17	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	21.95	22.48	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	22.1	22.63	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	22.26	22.79	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	19.82	20.35	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	20.03	20.56	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	20.17	20.7	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.63	24.16	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.51	24.04	38.45	PASS



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N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.58	24.11	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.62	24.15	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.54	24.07	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.57	24.1	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	24.03	24.56	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	23.96	24.49	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	22.6	23.13	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	22.02	22.55	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	21.91	22.44	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	22.16	22.69	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	19.92	20.45	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	19.78	20.31	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	20.01	20.54	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.38	23.91	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.46	23.99	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.51	24.04	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.43	23.96	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.49	24.02	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.51	24.04	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	23.85	24.38	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	23.9	24.43	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.4	22.93	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	21.77	22.3	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	21.84	22.37	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	22.01	22.54	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	19.75	20.28	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	19.74	20.27	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	19.97	20.5	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.36	23.89	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.61	24.14	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.68	24.21	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.35	23.88	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.69	24.22	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.65	24.18	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.81	24.34	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	24.05	24.58	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	22.58	23.11	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	21.74	22.27	38.45	PASS



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N5	15	10	DFT-64QAM	M	Inner_1RB_Right	22.01	22.54	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	22.18	22.71	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	19.65	20.18	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	19.89	20.42	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	20.12	20.65	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.67	24.2	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.43	23.96	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.67	24.2	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.69	24.22	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	23.5	24.03	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	23.65	24.18	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	24.06	24.59	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	23.94	24.47	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	22.63	23.16	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	21.99	22.52	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	21.84	22.37	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	22.21	22.74	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	19.89	20.42	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	19.73	20.26	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	20.2	20.73	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.58	24.11	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.85	24.38	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	23.74	24.27	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.59	24.12	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.88	24.41	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	23.76	24.29	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	24.02	24.55	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	24.27	24.8	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	22.76	23.29	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	21.96	22.49	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	22.21	22.74	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	22.32	22.85	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	19.99	20.52	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	20.17	20.7	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	20.21	20.74	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.52	24.05	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.71	24.24	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.9	24.43	38.45	PASS



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N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.57	24.1	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.76	24.29	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	23.82	24.35	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.9	24.43	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	24.15	24.68	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	22.77	23.3	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	21.86	22.39	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	22.13	22.66	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	22.33	22.86	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	19.83	20.36	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	20.07	20.6	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	20.26	20.79	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.71	24.24	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.51	24.04	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.89	24.42	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.76	24.29	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	23.57	24.1	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.85	24.38	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	24.08	24.61	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	23.99	24.52	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	22.87	23.4	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	22.02	22.55	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	21.92	22.45	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	22.43	22.96	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	20.01	20.54	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	19.81	20.34	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	20.31	20.84	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.61	24.14	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.71	24.24	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.74	24.27	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.56	24.09	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.7	24.23	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.76	24.29	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	24.04	24.57	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	24.11	24.64	38.45	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.77	23.3	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	21.98	22.51	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	22.05	22.58	38.45	PASS



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N5	15	20	DFT-64QAM	L	Outer_Full	22.31	22.84	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	19.97	20.5	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	20.14	20.67	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	20.28	20.81	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.51	24.04	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.57	24.1	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.74	24.27	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.48	24.01	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.62	24.15	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.74	24.27	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.88	24.41	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	24	24.53	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.74	23.27	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	21.9	22.43	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.96	22.49	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	22.27	22.8	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	19.82	20.35	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	19.99	20.52	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	20.24	20.77	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.53	24.06	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.52	24.05	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.86	24.39	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.55	24.08	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.54	24.07	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	23.83	24.36	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	24.03	24.56	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	23.98	24.51	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.86	23.39	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	21.86	22.39	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.91	22.44	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	22.43	22.96	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	19.84	20.37	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	19.95	20.48	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	20.37	20.9	38.45	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.75	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.78	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	9.86	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.46	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.72	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.62	≤13	PASS



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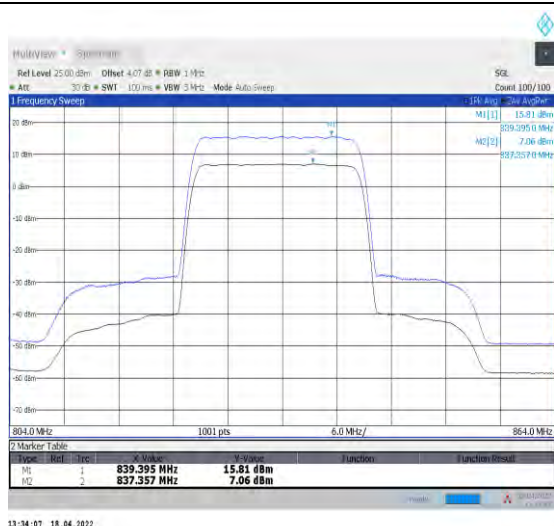
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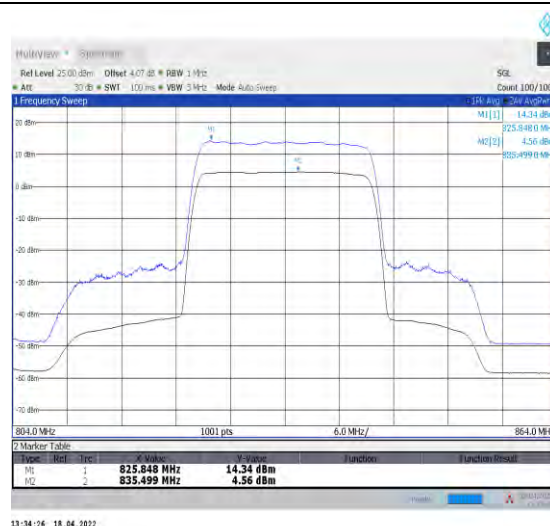
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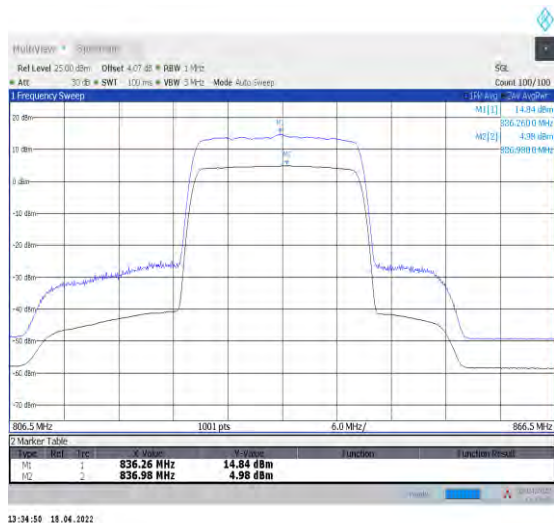
Test Graphs



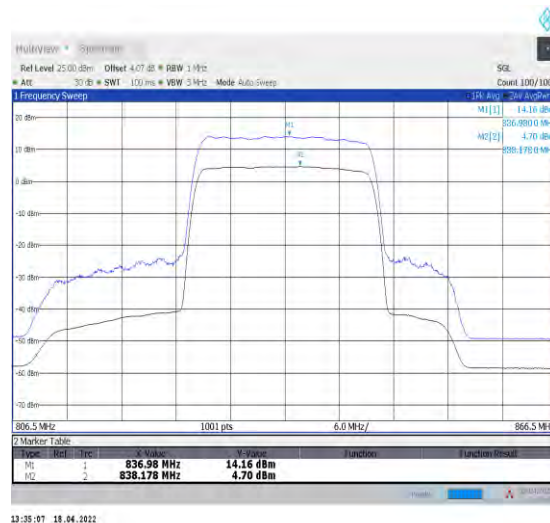
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nt1-8.75-100%-0.00-8.75-PASS≤13



1-N5--15-20-L-2-CP-256QAM-Outer_Full-106@0-An
t1-9.78-100%-0.00-9.78-PASS≤13



1-N5--15-20-M-1-DFT-256QAM-Outer_Full-100@0-A
nt1-9.86-100%-0.00-9.86-PASS≤13



1-N5--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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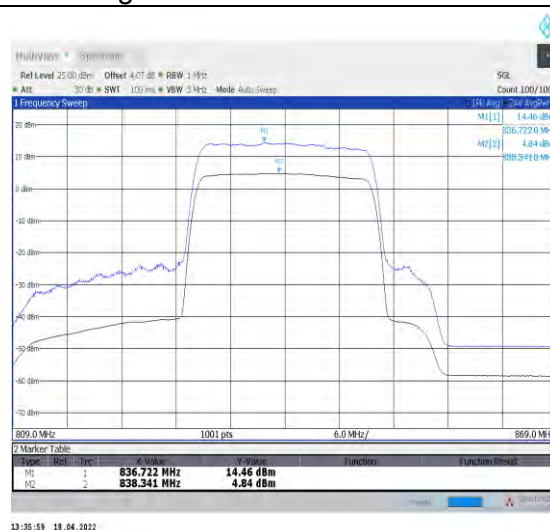
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1-N5--15-20-H-1-DFT-256QAM-Outer_Full-100@0-A
nt1-8.72-100%-0.00-8.72-PASS≤13



1-N5--15-20-H-2-CP-256QAM-Outer_Full-106@0-A
nt1-9.62-100%-0.00-9.62-PASS≤13



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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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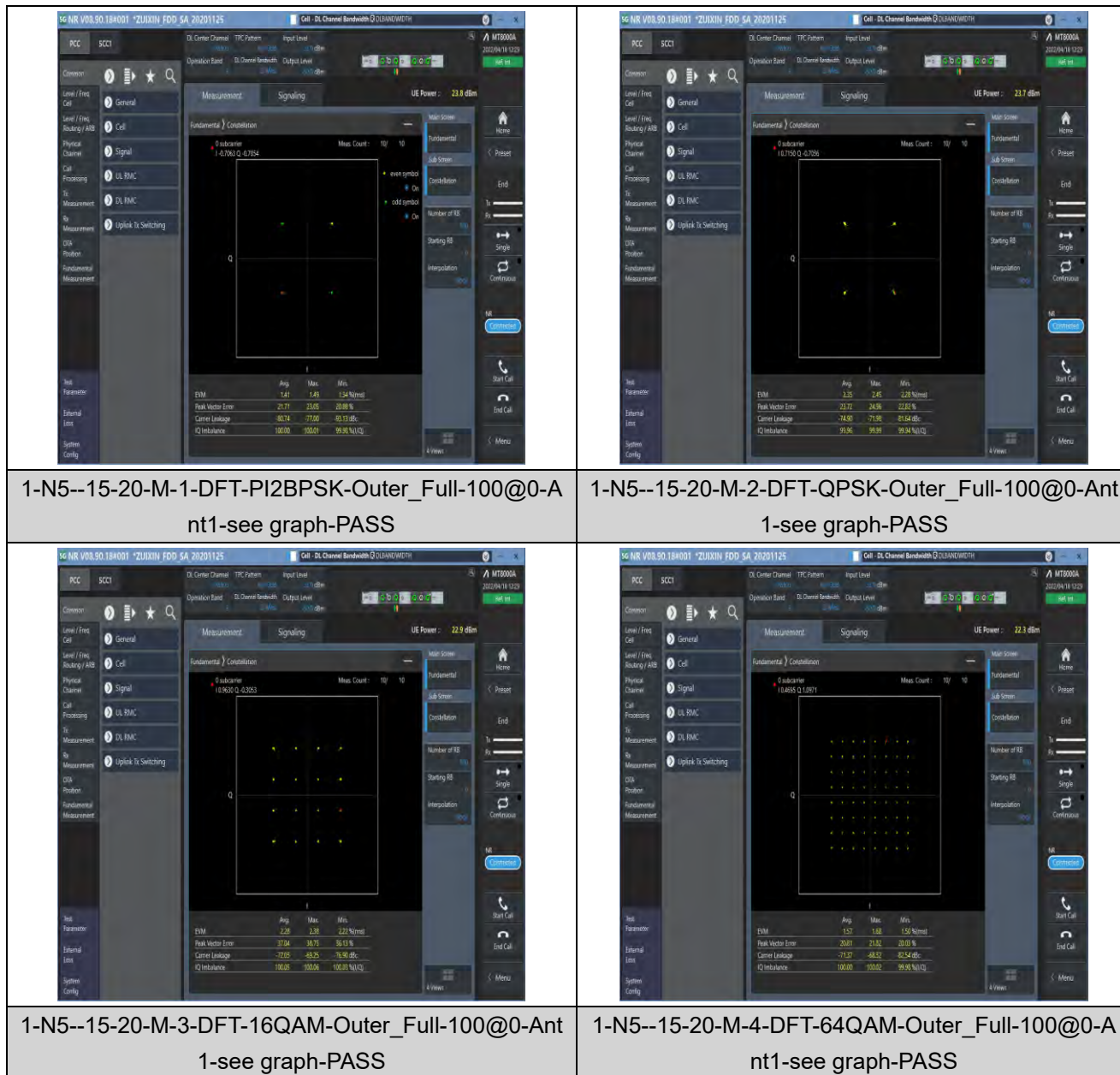
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Test Graphs



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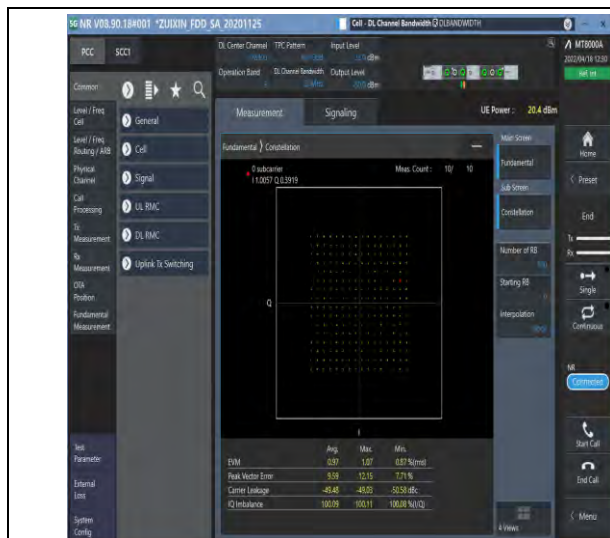
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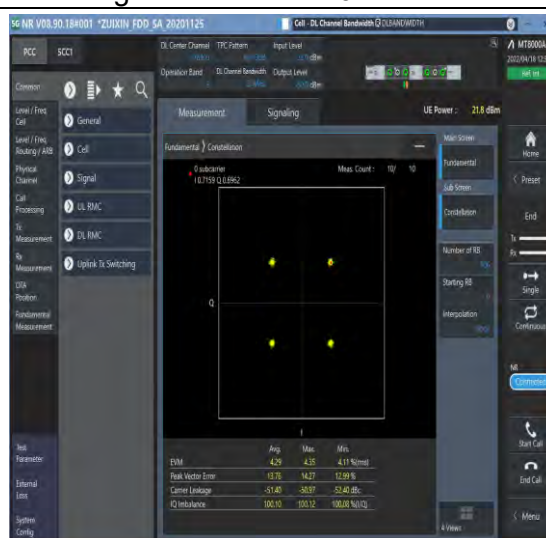
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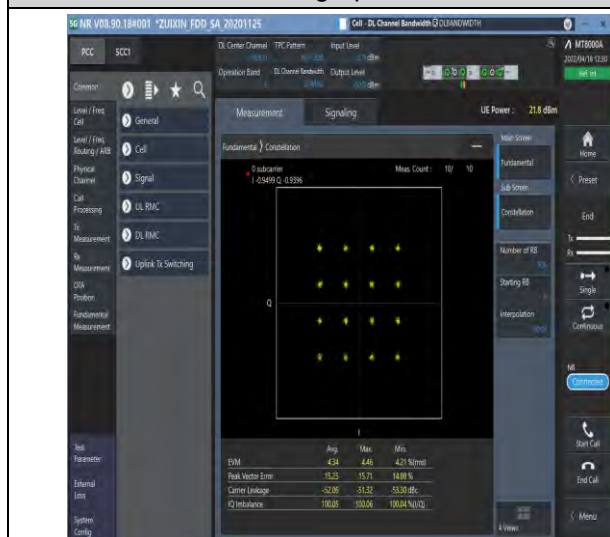
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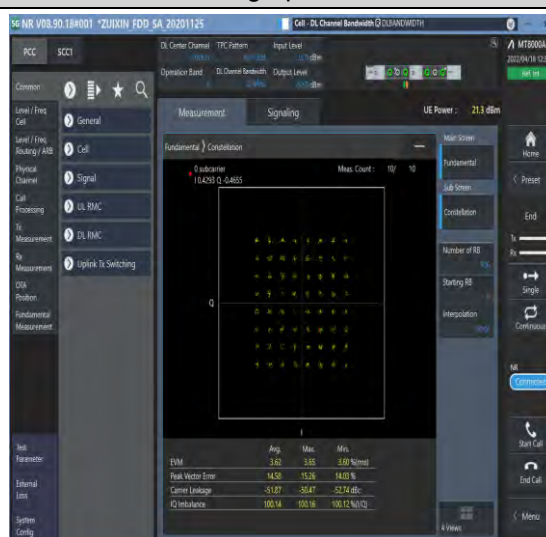
1-N5--15-20-M-5-DFT-256QAM-Outer_Full-100@0-A
nt1-see graph-PASS



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



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



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



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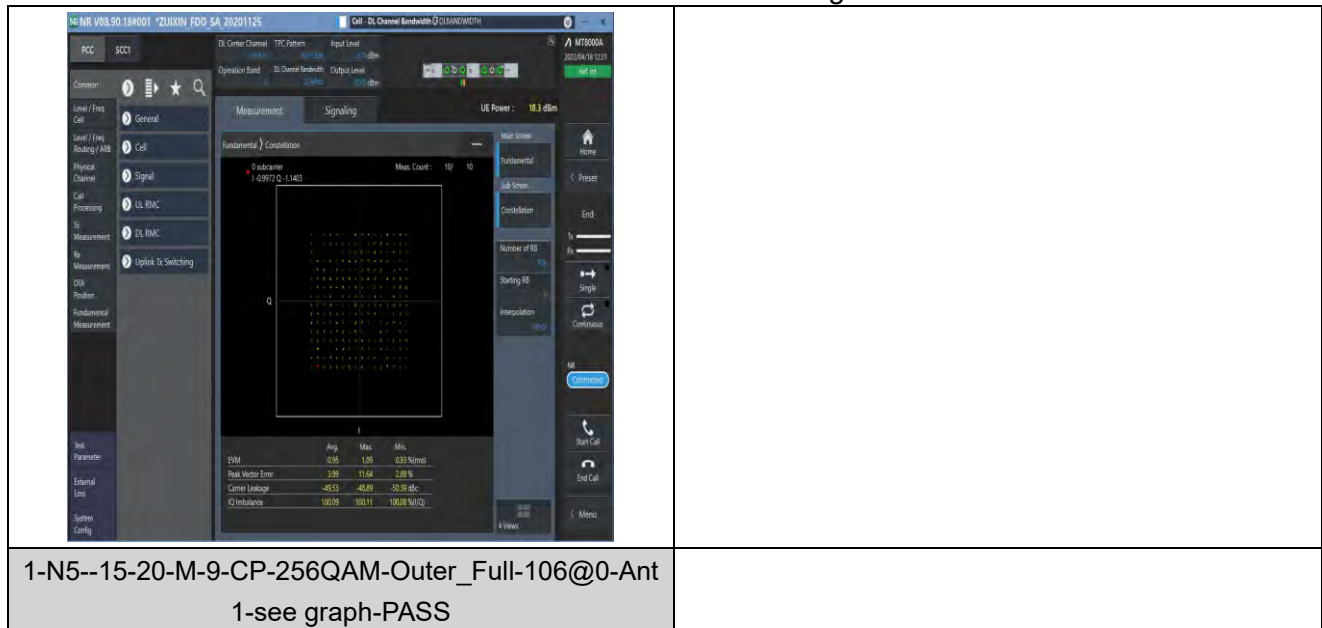
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	4.479	4.920	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	4.493	5.140	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.477	5.080	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	4.478	5.100	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	4.475	5.040	PASS
N5	15	5	CP-QPSK	L	Outer_Full	4.493	5.190	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.483	5.170	PASS
N5	15	5	CP-64QAM	L	Outer_Full	4.486	5.260	PASS
N5	15	5	CP-256QAM	L	Outer_Full	4.489	5.140	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.487	5.050	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.474	5.100	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.48	5.030	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.489	5.100	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.483	5.080	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.474	5.140	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.49	5.140	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.481	5.160	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.49	5.160	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.488	5.030	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	4.476	5.100	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.472	5.090	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	4.482	5.140	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	4.491	5.120	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.482	5.170	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.492	5.200	PASS
N5	15	5	CP-64QAM	H	Outer_Full	4.483	5.190	PASS
N5	15	5	CP-256QAM	H	Outer_Full	4.493	5.140	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.944	9.680	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	8.939	9.820	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.952	9.740	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	8.942	9.760	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	8.95	9.740	PASS



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N5	15	10	CP-QPSK	L	Outer_Full	9.312	10.280	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.288	10.200	PASS
N5	15	10	CP-64QAM	L	Outer_Full	9.307	10.160	PASS
N5	15	10	CP-256QAM	L	Outer_Full	9.298	10.140	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.929	9.740	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.952	9.700	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.943	9.600	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.928	9.760	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.933	9.680	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.297	10.240	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.275	10.160	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.3	10.180	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.287	10.120	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.949	9.680	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	8.935	9.860	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.946	9.640	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	8.932	9.720	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	8.936	9.600	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.311	10.280	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.284	10.060	PASS
N5	15	10	CP-64QAM	H	Outer_Full	9.307	10.200	PASS
N5	15	10	CP-256QAM	H	Outer_Full	9.302	10.180	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	13.496	14.430	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	13.437	14.550	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	13.446	14.490	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	13.434	14.550	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	13.427	14.400	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.139	15.330	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.128	15.150	PASS
N5	15	15	CP-64QAM	L	Outer_Full	14.162	15.240	PASS
N5	15	15	CP-256QAM	L	Outer_Full	14.15	15.240	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.487	14.460	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.398	14.460	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.444	14.520	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.407	14.460	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.41	14.430	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.114	15.210	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.092	15.090	PASS



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N5	15	15	CP-64QAM	M	Outer_Full	14.13	15.210	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.12	15.240	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	13.482	14.430	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	13.396	14.310	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	13.424	14.430	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	13.406	14.490	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	13.418	14.520	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.112	15.300	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.098	15.180	PASS
N5	15	15	CP-64QAM	H	Outer_Full	14.129	15.120	PASS
N5	15	15	CP-256QAM	H	Outer_Full	14.121	15.240	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	17.826	18.880	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	17.854	18.880	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	17.883	19.000	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	17.829	19.040	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	17.865	19.040	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.905	20.200	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.917	20.120	PASS
N5	15	20	CP-64QAM	L	Outer_Full	18.888	20.120	PASS
N5	15	20	CP-256QAM	L	Outer_Full	18.869	20.000	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.801	18.880	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.817	18.960	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.843	19.000	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.83	18.960	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.809	19.040	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.902	20.160	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.884	20.120	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.897	20.120	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.887	20.080	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	17.81	18.920	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	17.821	18.920	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	17.845	18.960	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	17.809	18.880	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	17.847	18.960	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.894	20.080	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.889	19.960	PASS
N5	15	20	CP-64QAM	H	Outer_Full	18.877	20.080	PASS
N5	15	20	CP-256QAM	H	Outer_Full	18.856	20.000	PASS



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Test Graphs



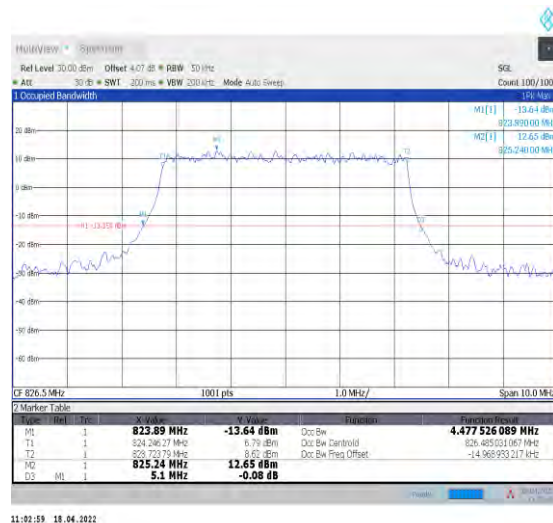
1-N5--15-5-L-1-DFT-QPSK-Outter_Full-25@0-Ant1-4
4.479-4.920-≤5-PASS



1-N5--15-5-L-2-DFT-PI2BPSK-Outter_Full-25@0-Ant1-4
4.493-5.140-≤5-PASS



1-N5--15-5-L-3-DFT-16QAM-Outter_Full-25@0-Ant1-4
4.477-5.080-≤5-PASS



1-N5--15-5-L-4-DFT-64QAM-Outter_Full-25@0-Ant1-4
4.478-5.100-≤5-PASS



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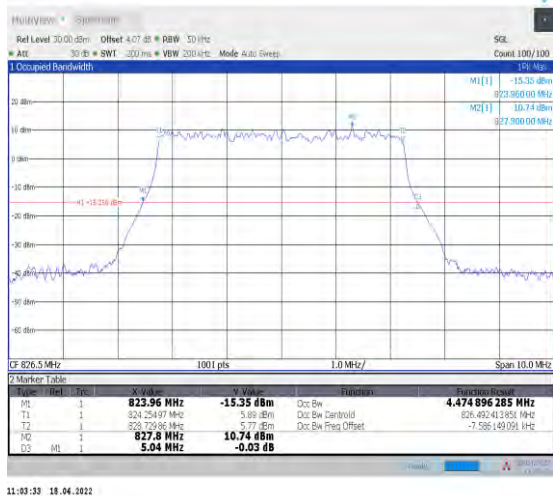
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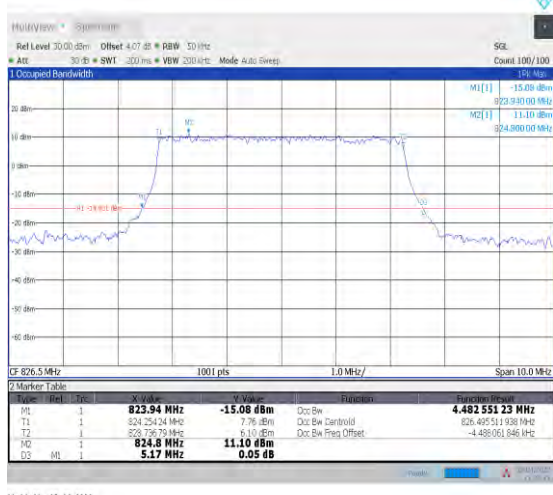
11:03:33 18.04.2022



11:04:08 18.04.2022

1-N5--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.475-5.040-≤5-PASS

1-N5--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.4
93-5.190-≤5-PASS



11:04:41 18.04.2022



11:05:13 18.04.2022

1-N5--15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4
.483-5.170-≤5-PASS

1-N5--15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4
.486-5.260-≤5-PASS



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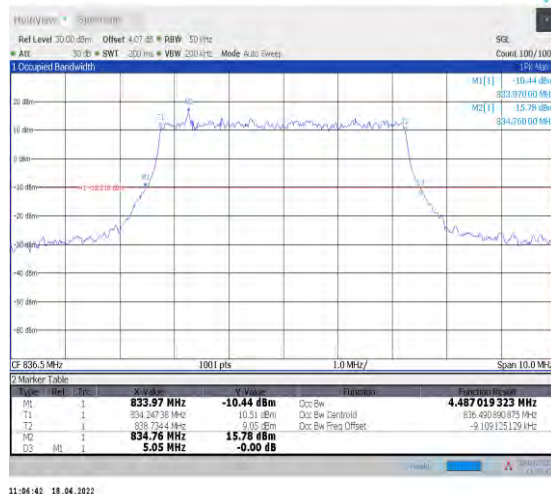
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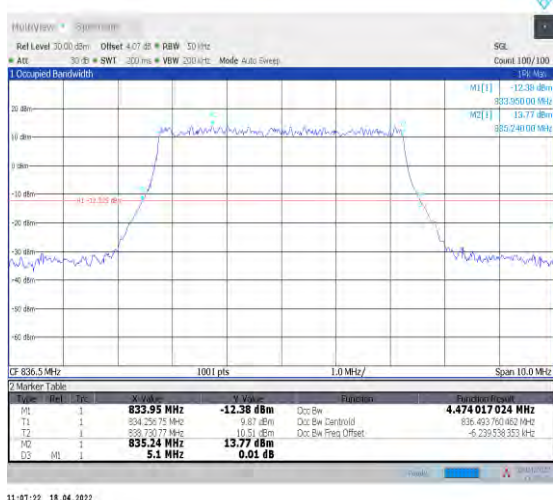
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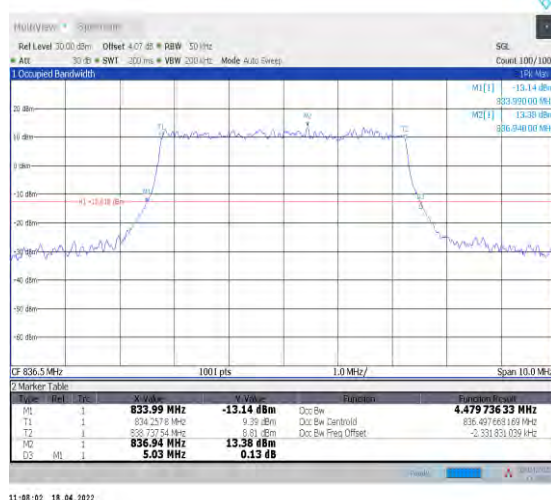
1-N5--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.489-5.140-≤5-PASS



1-N5--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.487-5.050-≤5-PASS



1-N5--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.474-5.100-≤5-PASS



1-N5--15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.48-5.030-≤5-PASS



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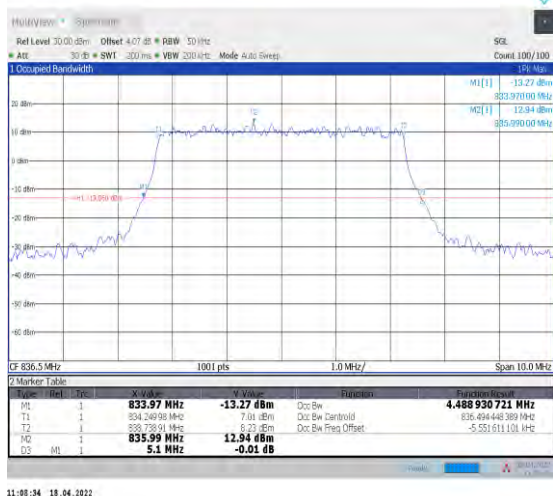
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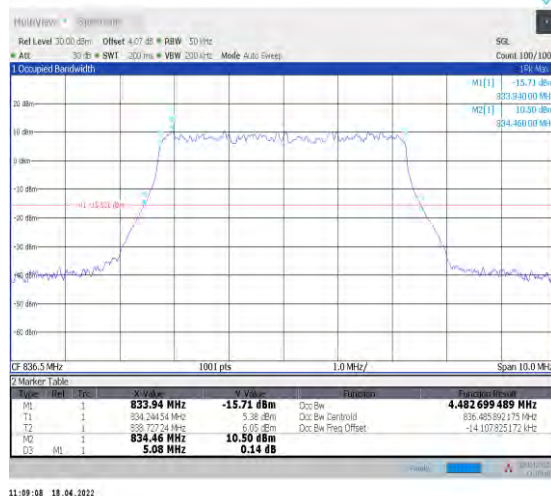
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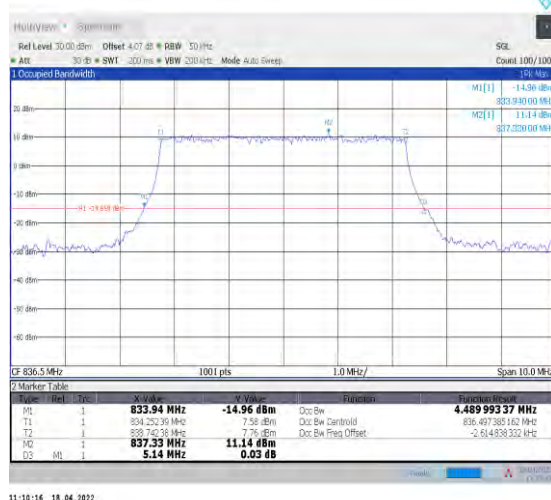
1-N5--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1
-4.489-5.100-≤5-PASS



1-N5--15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.483-5.080-≤5-PASS



1-N5--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.
474-5.140-≤5-PASS



1-N5--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-1
4.49-5.140-≤5-PASS



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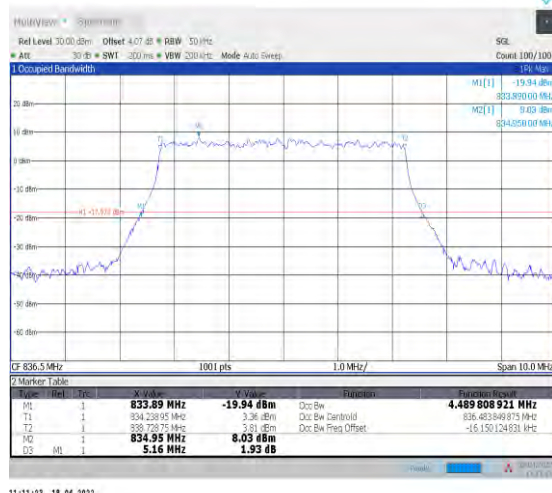
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1-N5--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-
4.481-5.160-≤5-PASS



11:11:23 18.04.2022

1-N5--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1
-4.49-5.160-≤5-PASS



11:12:12 18.04.2022

1-N5--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4
.488-5.030-≤5-PASS



11:12:52 18.04.2022

1-N5--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant
1-4.476-5.100-≤5-PASS



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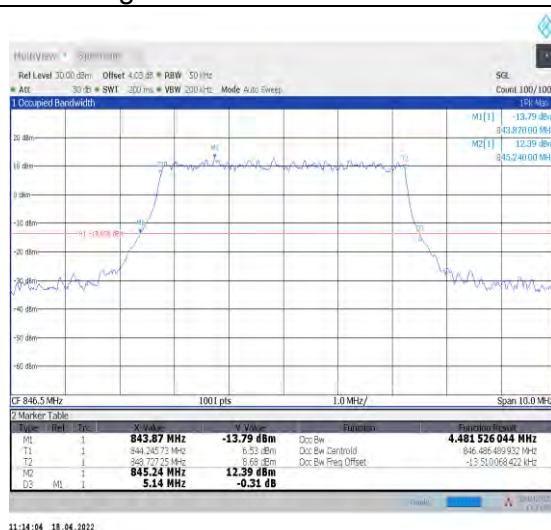
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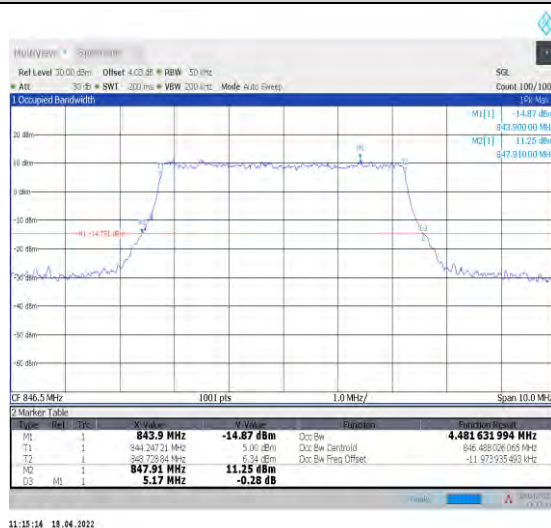
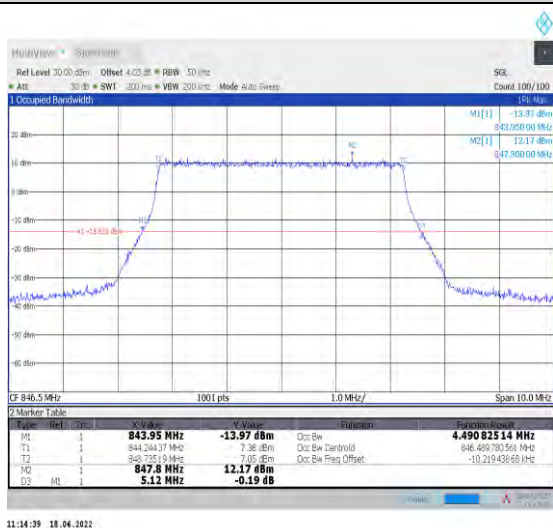
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1-N5--15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.472-5.090-≤5-PASS

1-N5--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.482-5.140-≤5-PASS



1-N5--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.491-5.120-≤5-PASS

1-N5--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.482-5.170-≤5-PASS



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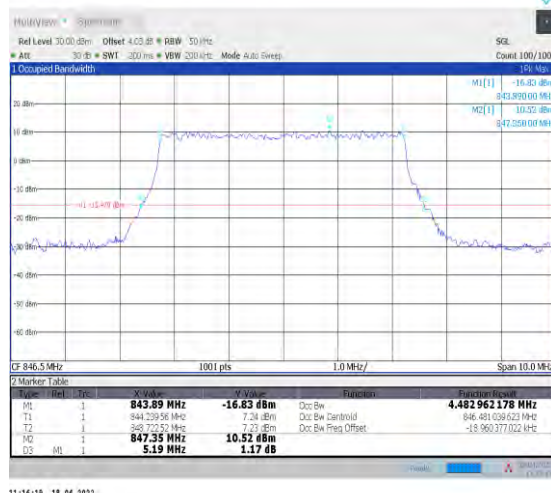
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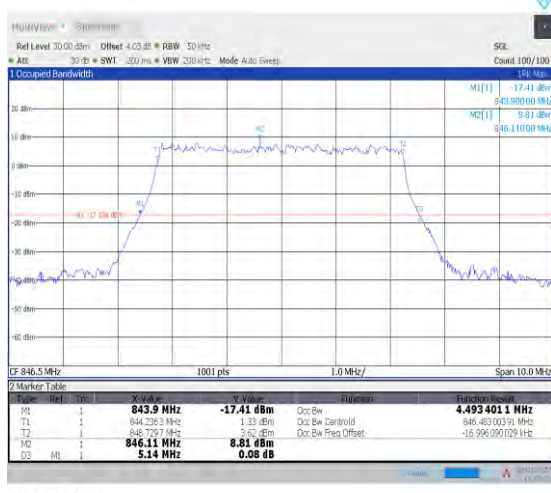
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11:16:19 18.04.2022

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4.492-5.200-≤5-PASS

1-N5--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4
.483-5.190-≤5-PASS



11:16:59 18.04.2022



11:17:49 18.04.2022

1-N5--15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1
-4.493-5.140-≤5-PASS

1-N5--15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-
8.944-9.680-≤10-PASS



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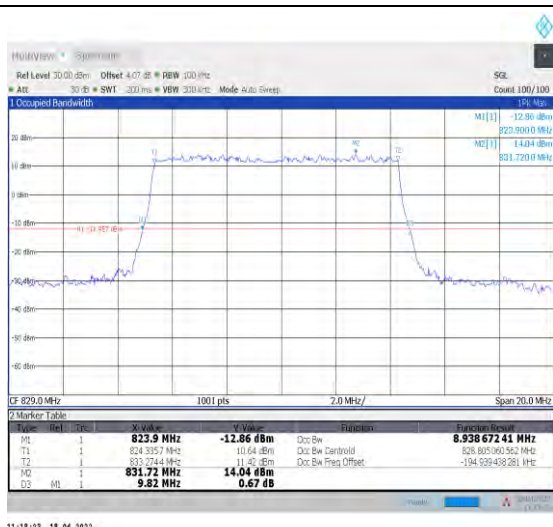
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11:18:23 18.04.2022

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t1-8.939-9.820-≤10-PASS



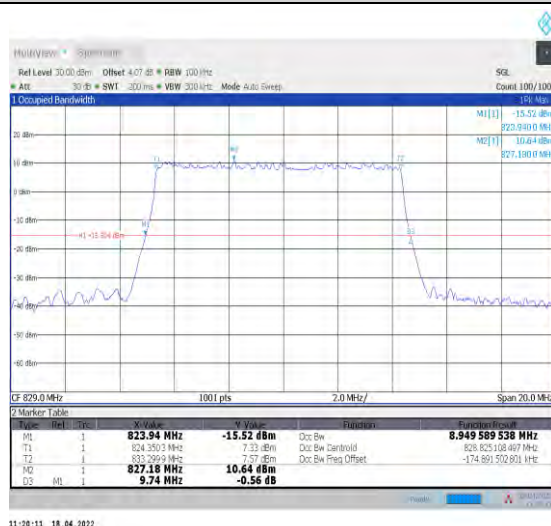
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-8.952-9.740-≤10-PASS



11:19:37 18.04.2022

1-N5--15-10-L-4-DFT-64QAM-Outet_Full-50@0-Ant
1-8.942-9.760-≤10-PASS



11:20:11 18.04.2022

1-N5--15-10-L-5-DFT-256QAM-Outet_Full-50@0-Ant
1-8.95-9.740-≤10-PASS



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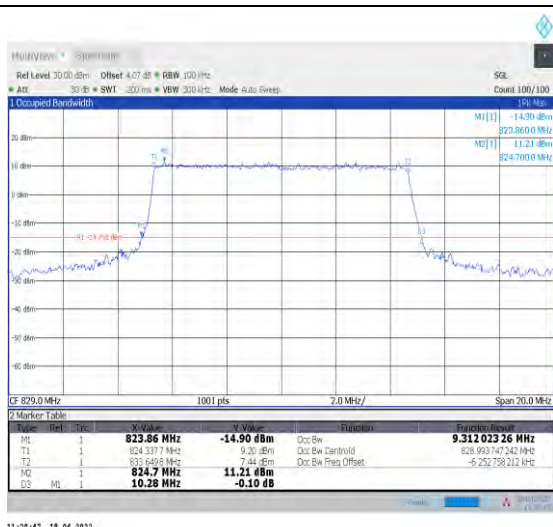
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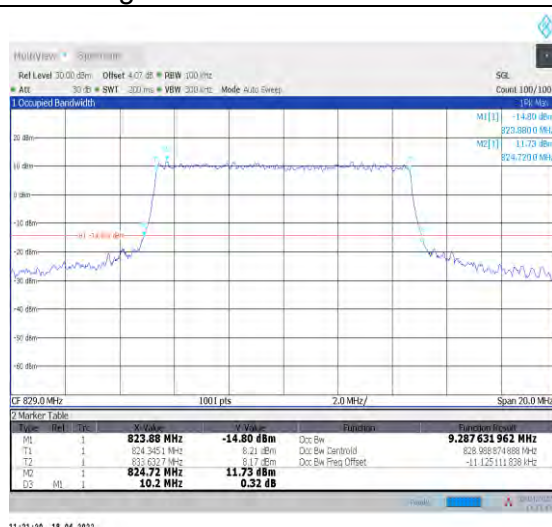
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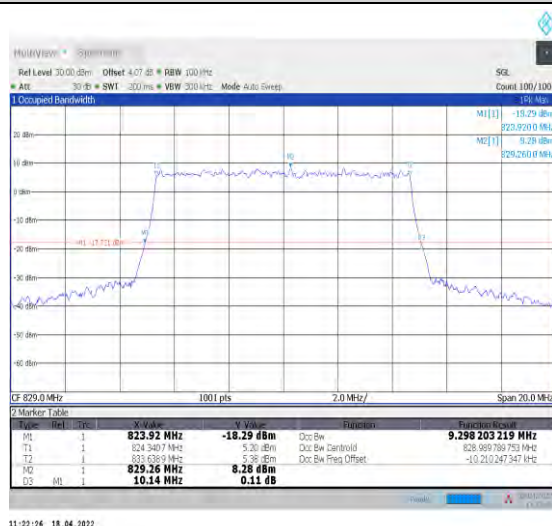
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9.288-10.200≤10-PASS



11:21:52 18.04.2022

1-N5--15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9
9.307-10.160≤10-PASS



11:22:26 18.04.2022

1-N5--15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9
-9.298-10.140≤10-PASS



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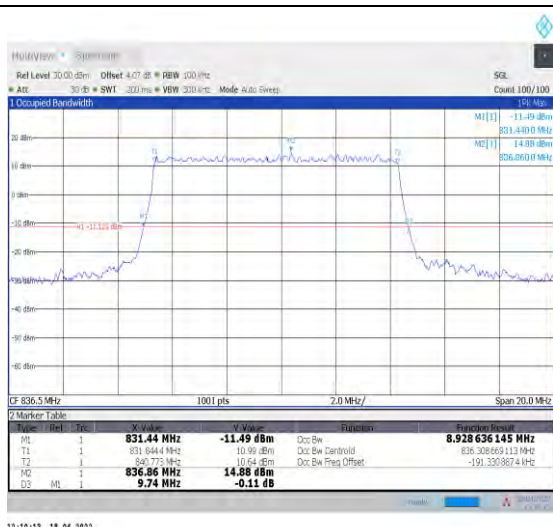
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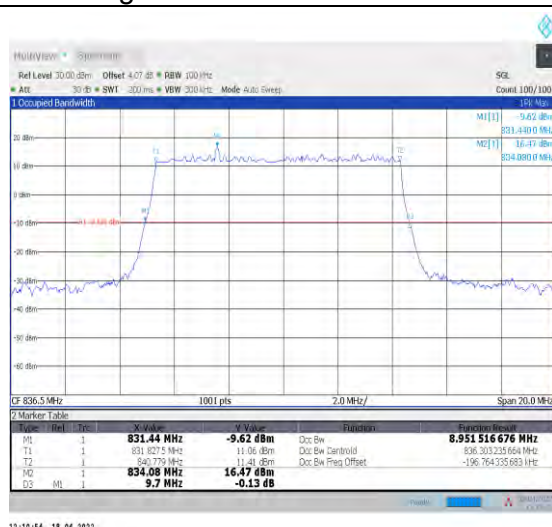
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-8.929-9.740-≤10-PASS



11:19:54 18.04.2022

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1-8.943-9.600-≤10-PASS



11:12:07 18.04.2022

1-N5--15-10-M-4-DFT-64QAM-Outet_Full-50@0-Ant1
1-8.928-9.760-≤10-PASS



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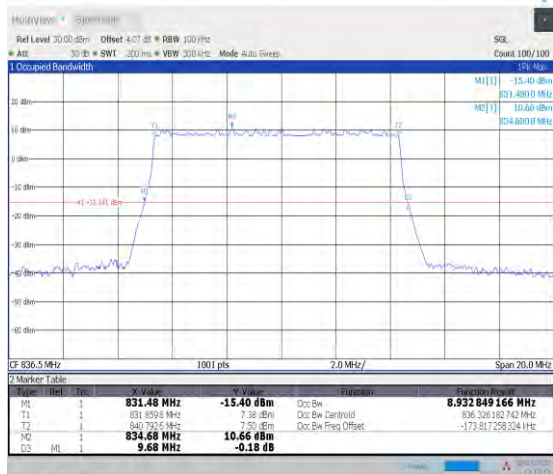
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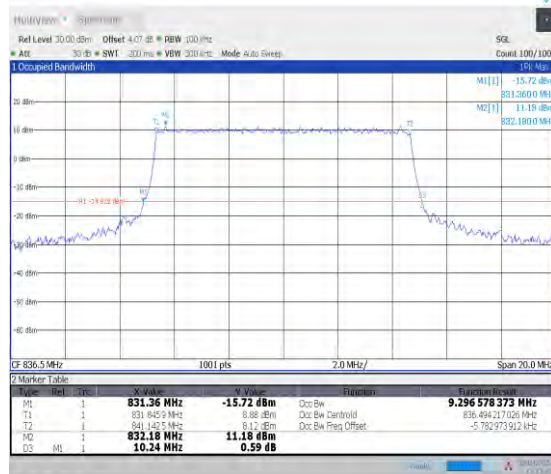
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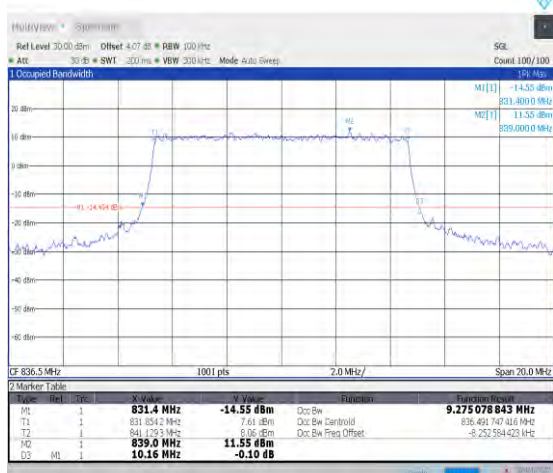
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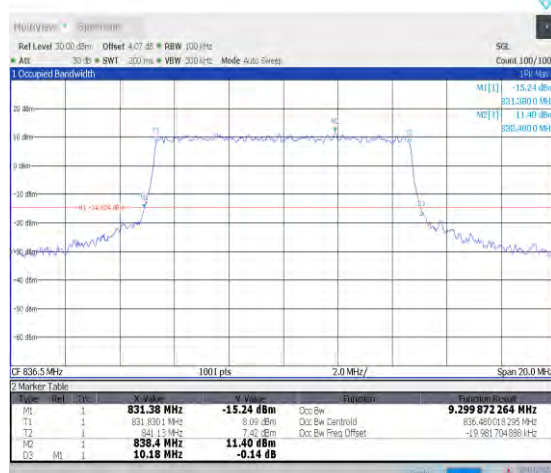
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nt1-8.933-9.680-≤10-PASS

1-N5--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9
.297-10.240-≤10-PASS



12:13:49 18.04.2022



12:14:21 18.04.2022

1-N5--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1
-9.275-10.160-≤10-PASS

1-N5--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1
-9.3-10.180-≤10-PASS



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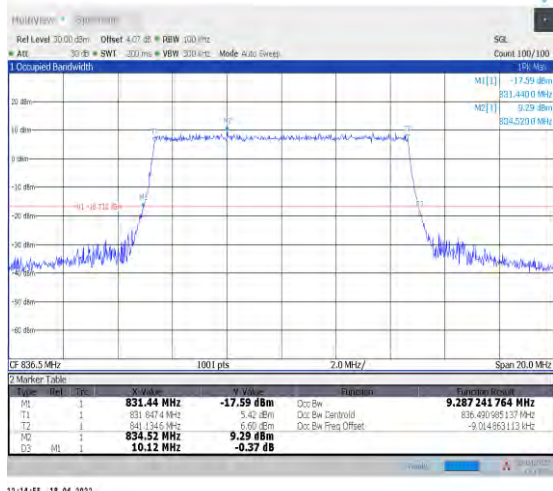
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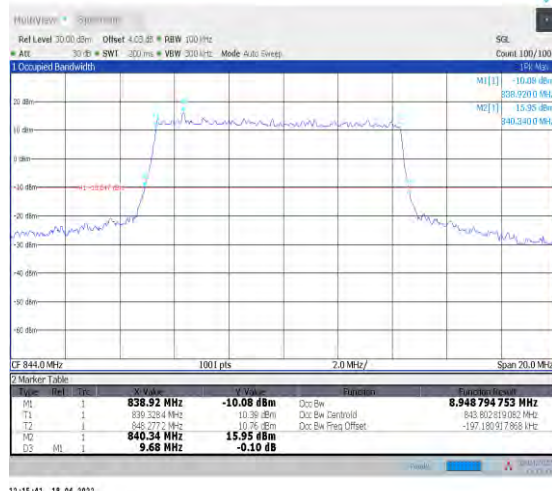
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12:15:41 18.04.2022

1-N5--15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-
8.949-9.680-≤10-PASS



12:16:21 18.04.2022

1-N5--15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-8.935-9.860-≤10-PASS



12:17:01 18.04.2022

1-N5--15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant
1-8.946-9.640-≤10-PASS



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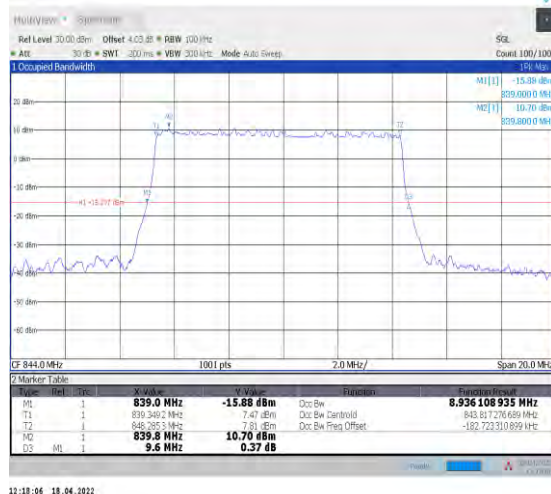
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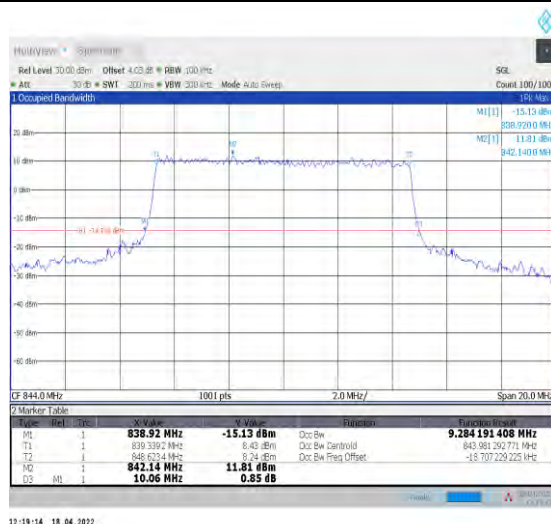
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11:18:42 18.04.2022

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11:19:16 18.04.2022

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9.284-10.060≤10-PASS



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12:19:46 18.04.2022

1-N5--15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1
-9.307-10.200≤10-PASS



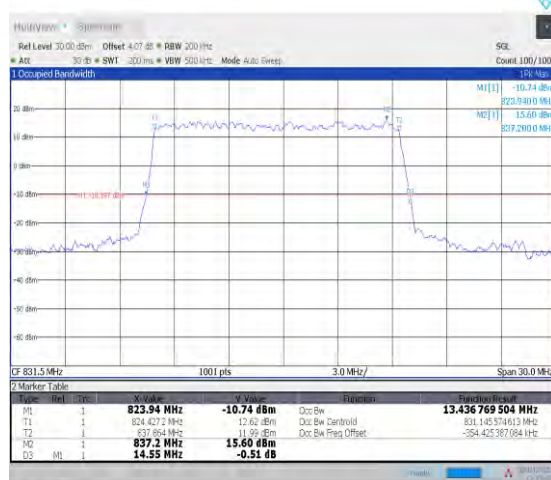
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1-N5--15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant
1-9.302-10.180≤10-PASS



12:21:08 18.04.2022

1-N5--15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1
13.496-14.430≤15-PASS



12:29:46 18.04.2022

1-N5--15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant
t1-13.437-14.550≤15-PASS



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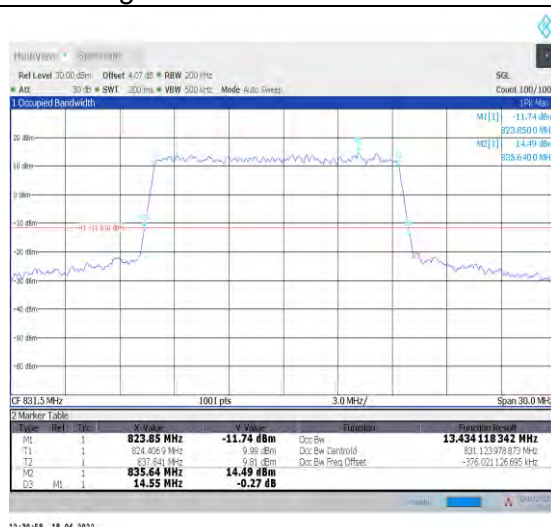
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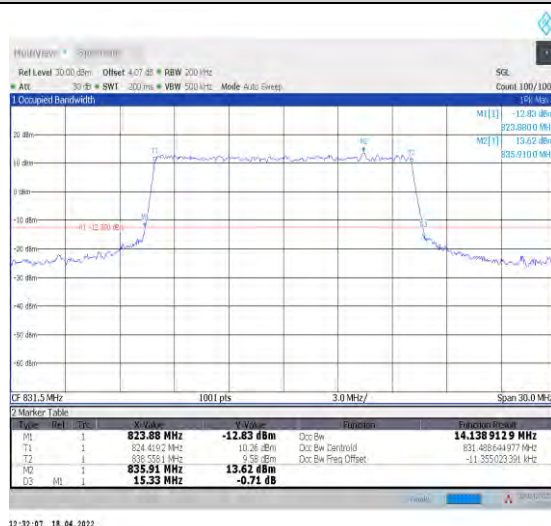
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1-N5--15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant
1-13.446-14.490≤15-PASS

1-N5--15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1
-13.434-14.550≤15-PASS



11:31:32 18.04.2022



11:32:07 18.04.2022

1-N5--15-15-L-5-DFT-256QAM-Outer_Full-75@0-An
t1-13.427-14.400≤15-PASS

1-N5--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1
4.139-15.330≤15-PASS



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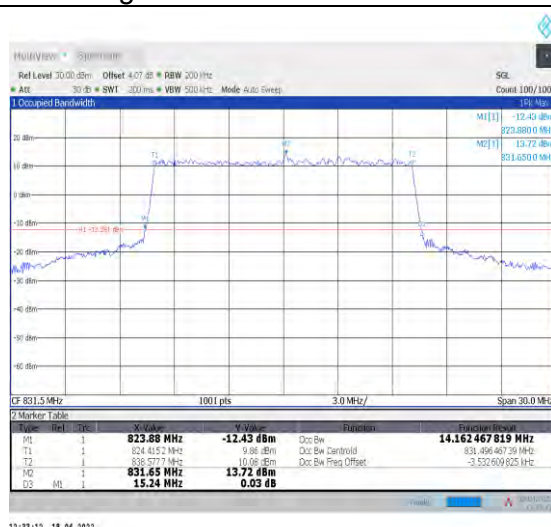
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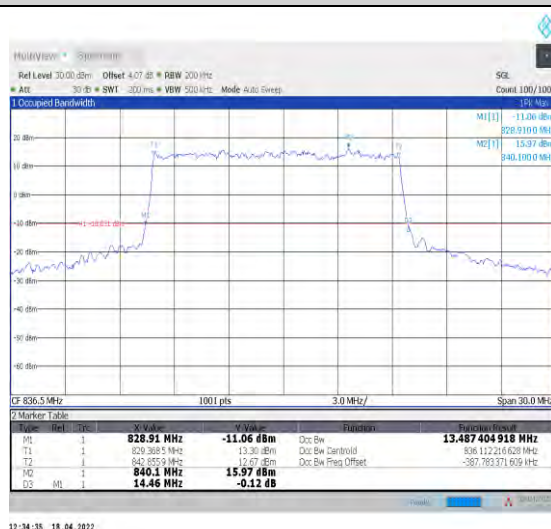
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1-N5--15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-
14.128-15.150-≤15-PASS

1-N5--15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-
14.162-15.240-≤15-PASS



1-N5--15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-
1-14.15-15.240-≤15-PASS

1-N5--15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-
13.487-14.460-≤15-PASS



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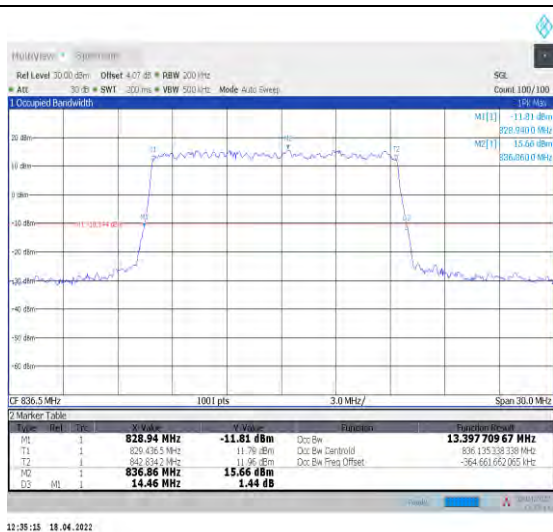
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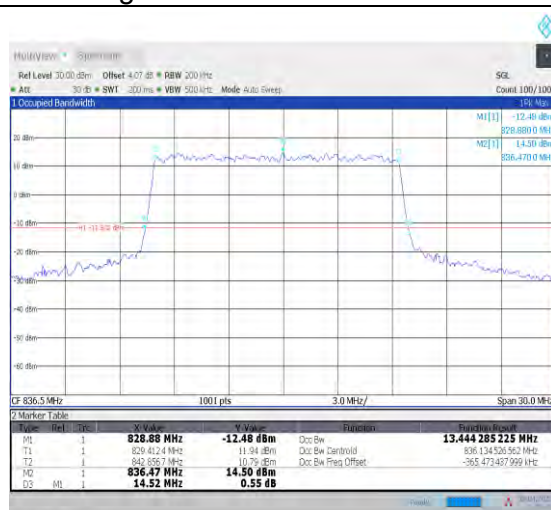
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11:35:15 18.04.2022



11:35:55 18.04.2022

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nt1-13.398-14.460-≤15-PASS

1-N5--15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant
1-13.444-14.520-≤15-PASS



11:36:17 18.04.2022



11:37:01 18.04.2022

1-N5--15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
1-13.407-14.460-≤15-PASS

1-N5--15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant
t1-13.41-14.430-≤15-PASS



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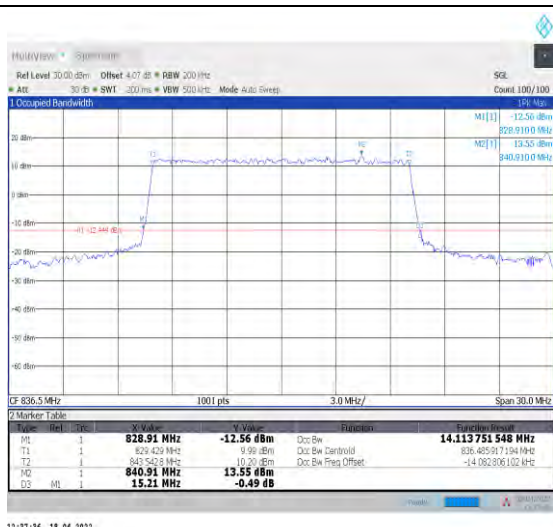
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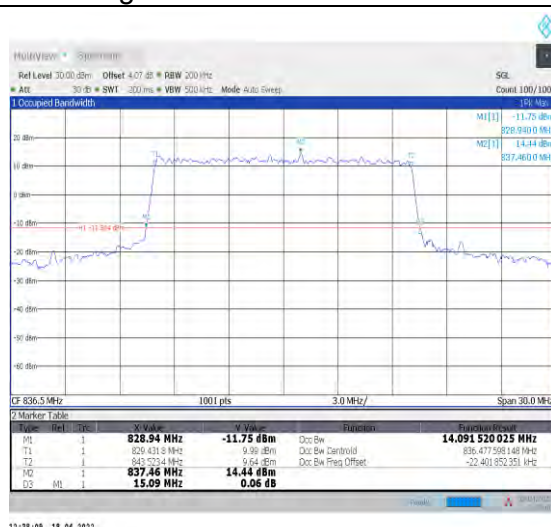
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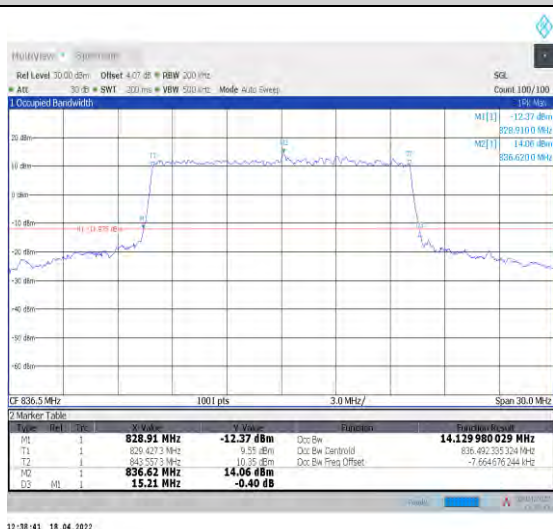
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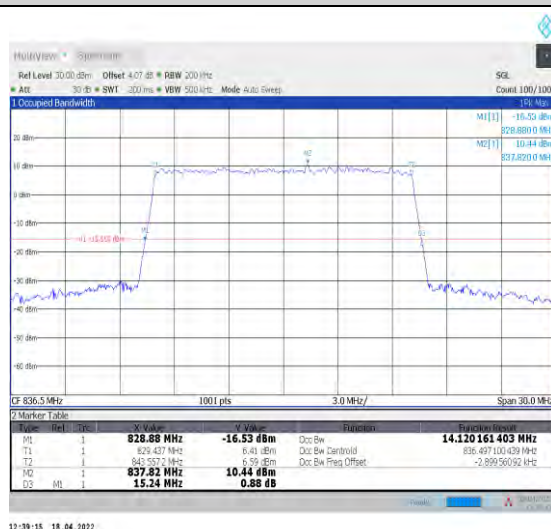
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14.114-15.210≤15-PASS

1-N5--15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1
-14.092-15.090≤15-PASS



12:38:41 18.04.2022



12:39:15 18.04.2022

1-N5--15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1
-14.13-15.210≤15-PASS

1-N5--15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant
1-14.12-15.240≤15-PASS



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11:46:21 18.04.2022



11:47:01 18.04.2022

1-N5--15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.482-14.430-≤15-PASS

1-N5--15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.396-14.310-≤15-PASS



11:47:41 18.04.2022



11:48:13 18.04.2022

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1-N5--15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.406-14.490-≤15-PASS



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11:48:47 18.04.2022

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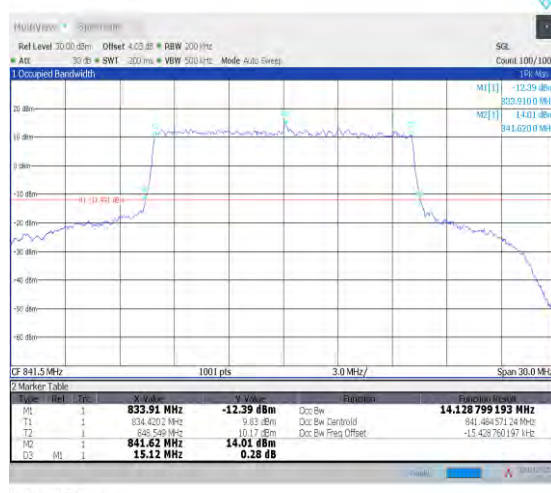
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11:49:55 18.04.2022

1-N5--15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant1
-14.098-15.180-≤15-PASS



11:50:27 18.04.2022

1-N5--15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-1
14.129-15.120-≤15-PASS



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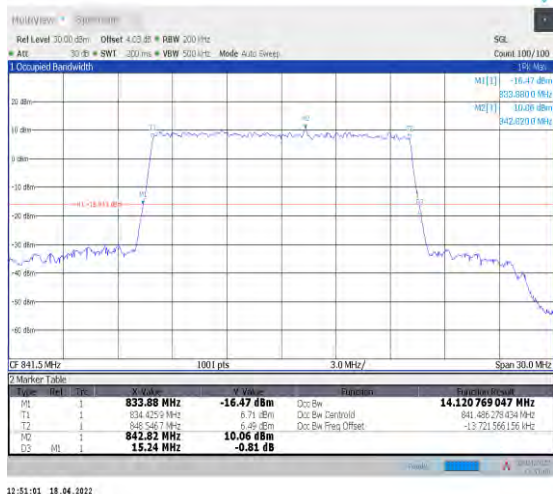
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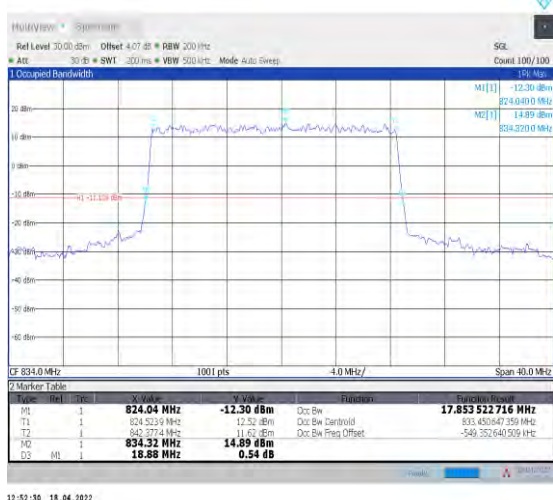
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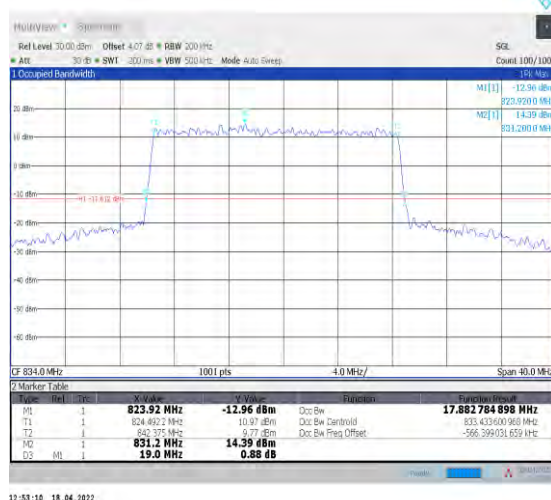
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-17.826-18.880≤20-PASS



12:52:30 18.04.2022

1-N5--15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1
1-17.854-18.880≤20-PASS



12:53:10 18.04.2022

1-N5--15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant
1-17.883-19.000≤20-PASS



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11:53:42 18.04.2022

1-N5--15-20-L-4-DFT-64QAM-Outer_Full-100@0-An
t1-17.829-19.040-≤20-PASS



12:54:16 18.04.2022

1-N5--15-20-L-5-DFT-256QAM-Outer_Full-100@0-A
nt1-17.865-19.040-≤20-PASS



12:54:52 18.04.2022

1-N5--15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-
18.905-20.200-≤20-PASS



12:55:24 18.04.2022

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-18.917-20.120-≤20-PASS



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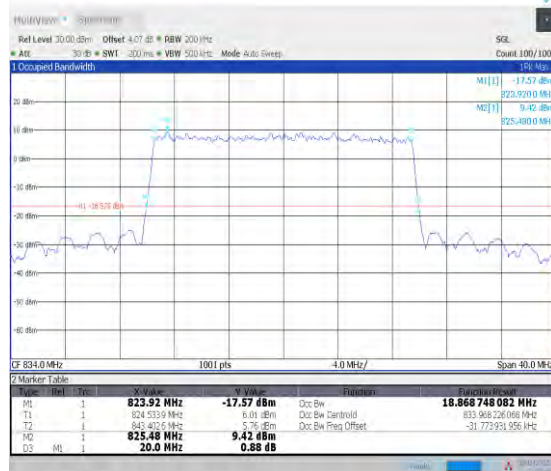
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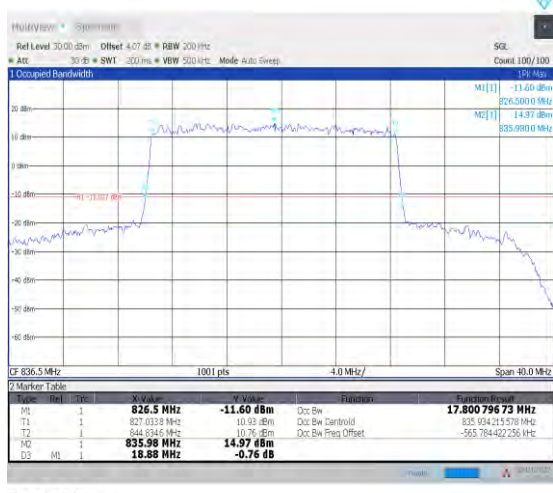
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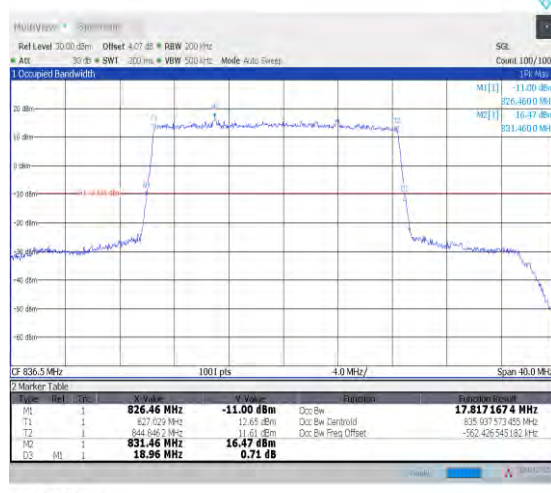
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1-N5--15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant
1-18.888-20.120-≤20-PASS

1-N5--15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant
1-18.869-20.000-≤20-PASS



11:57:19 18.04.2022



13:06:04 18.04.2022

1-N5--15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.801-18.880-≤20-PASS

1-N5--15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant
1-17.817-18.960-≤20-PASS



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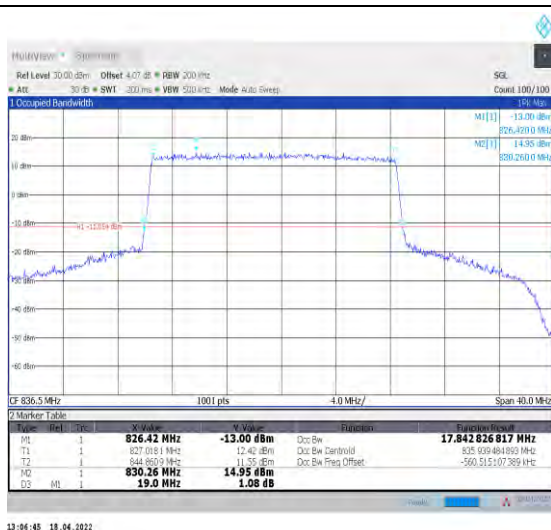
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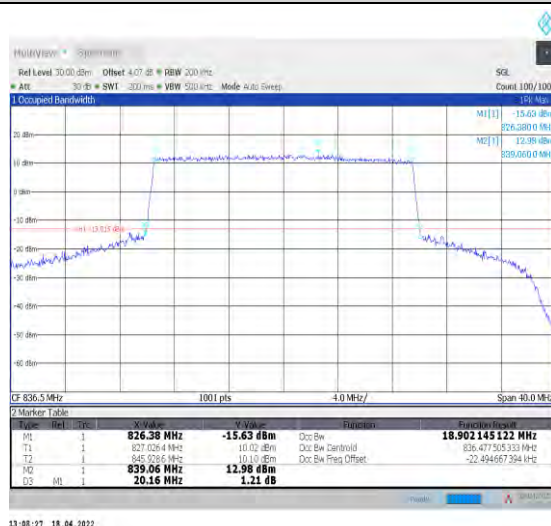
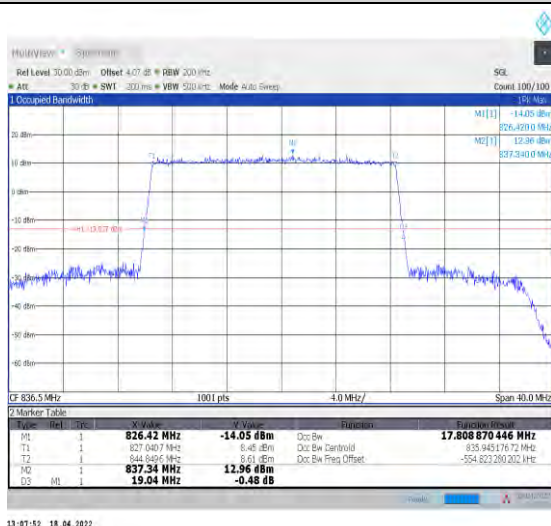
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1-N5--15-20-M-3-DFT-16QAM-Outer_Full-100@0-A
nt1-17.843-19.000-≤20-PASS

1-N5--15-20-M-4-DFT-64QAM-Outer_Full-100@0-An
t1-17.83-18.960-≤20-PASS



1-N5--15-20-M-5-DFT-256QAM-Outer_Full-100@0-
Ant1-17.809-19.040-≤20-PASS

1-N5--15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-
18.902-20.160-≤20-PASS



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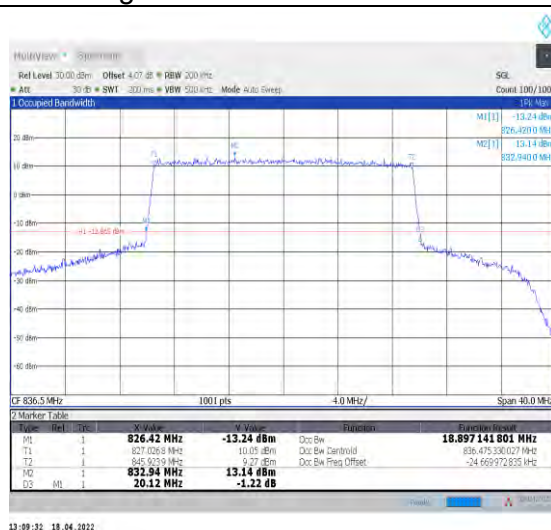
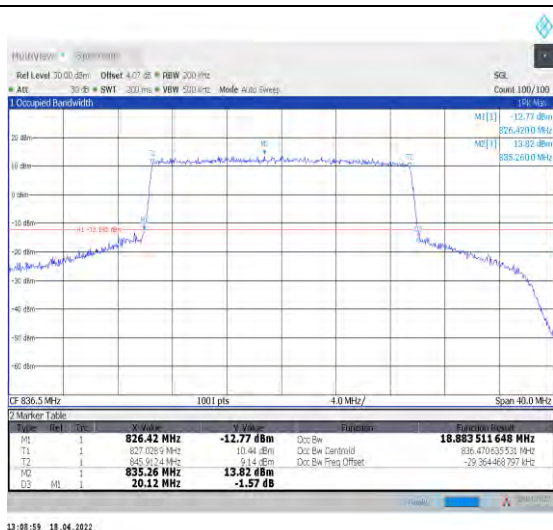
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1-N5--15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant
1-18.884-20.120-≤20-PASS

1-N5--15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant
1-18.897-20.120-≤20-PASS



1-N5--15-20-M-9-CP-256QAM-Outer_Full-106@0-A
nt1-18.887-20.080-≤20-PASS

1-N5--15-20-H-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.81-18.920-≤20-PASS



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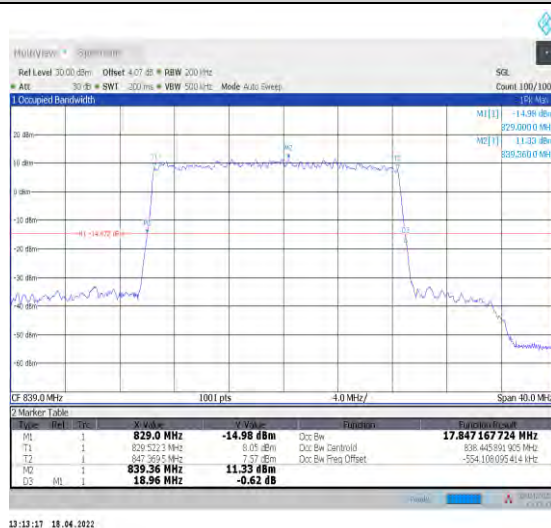
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1-N5--15-20-H-2-DFT-PI2BPSK-Outer_Full-100@0-
Ant1-17.821-18.920-≤20-PASS

1-N5--15-20-H-3-DFT-16QAM-Outer_Full-100@0-An
t1-17.845-18.960-≤20-PASS



1-N5--15-20-H-4-DFT-64QAM-Outer_Full-100@0-An
t1-17.809-18.880-≤20-PASS

1-N5--15-20-H-5-DFT-256QAM-Outer_Full-100@0-A
nt1-17.847-18.960-≤20-PASS



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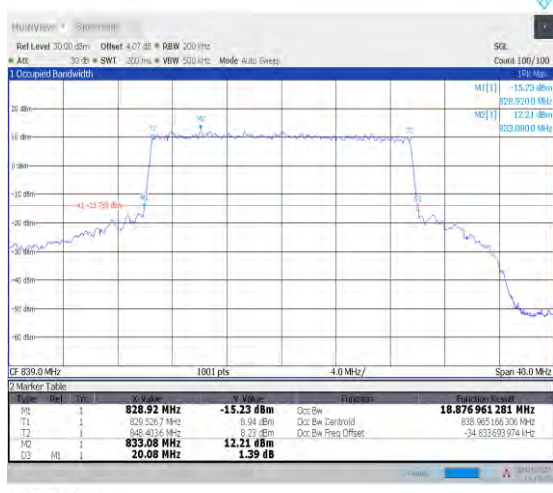
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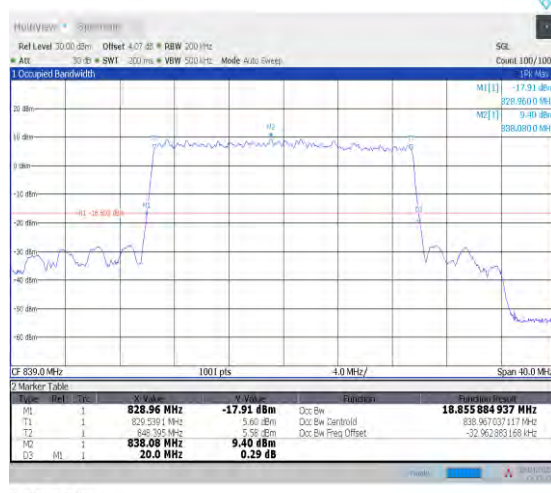
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1-N5--15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant1-
1-18.877-20.080-≤20-PASS



13:15:31 18.04.2022

1-N5--15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant1-
t1-18.856-20.000-≤20-PASS



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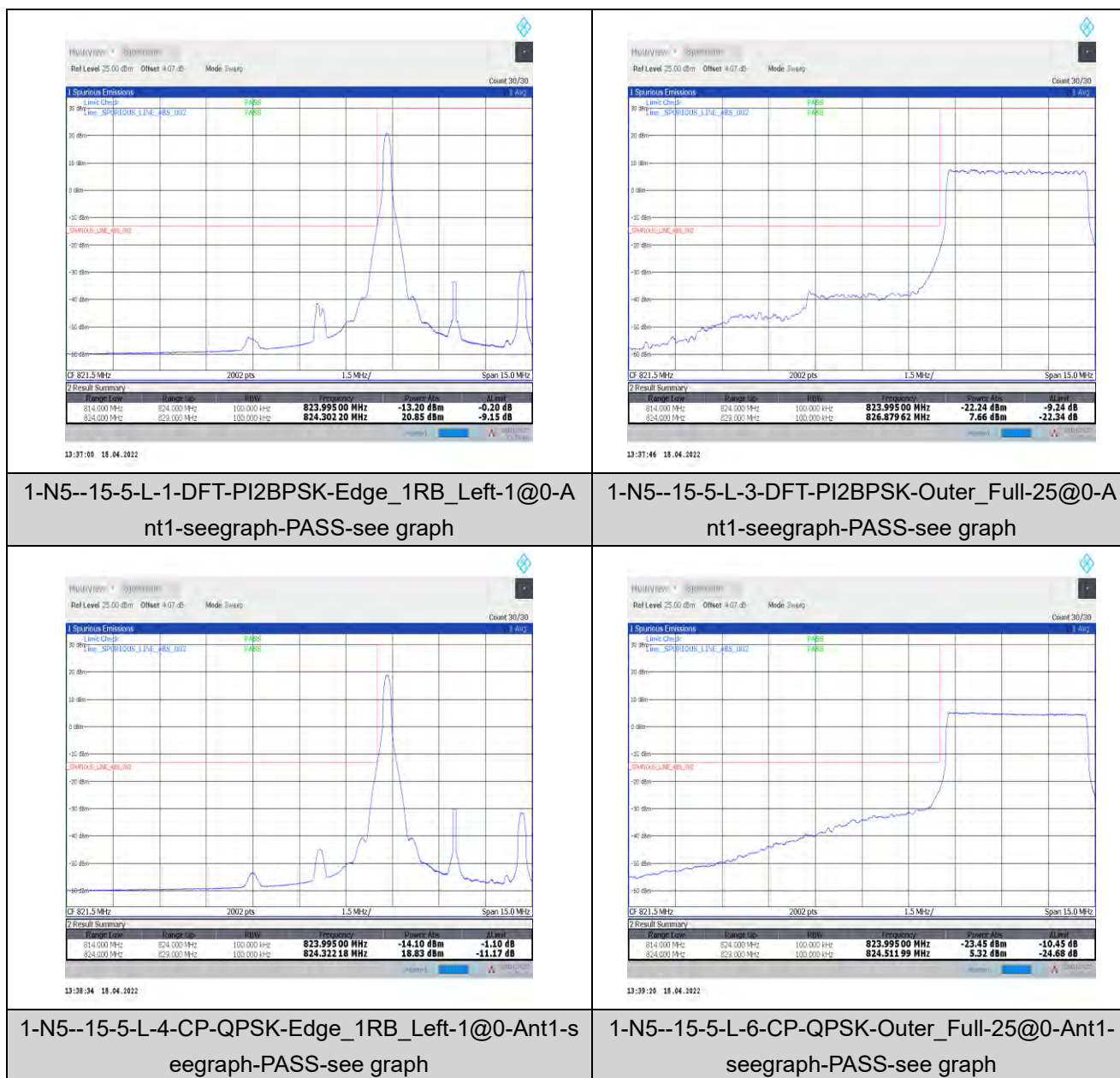
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Band Edge for SA

Test Graphs



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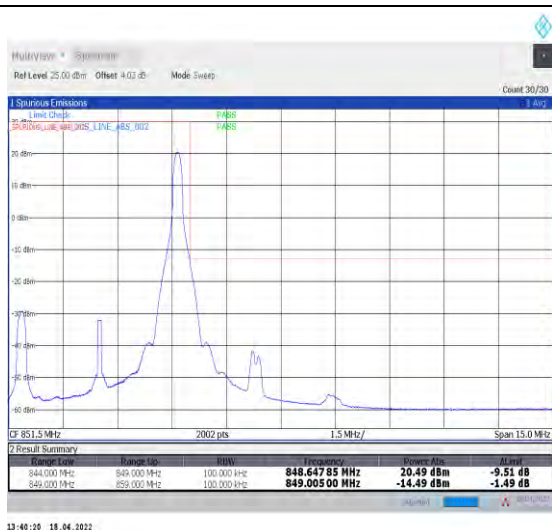
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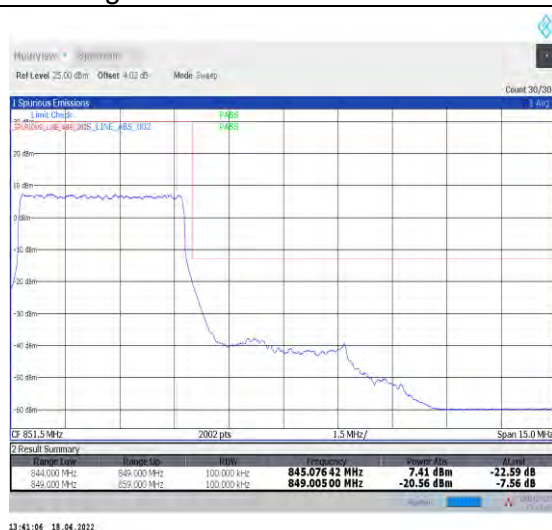
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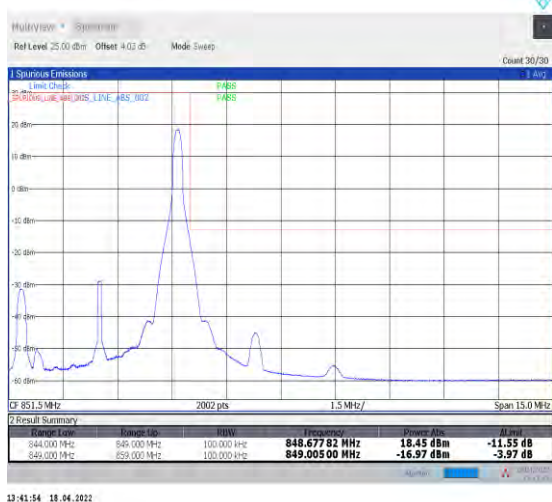
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4-Ant1-seegraph-PASS-see graph



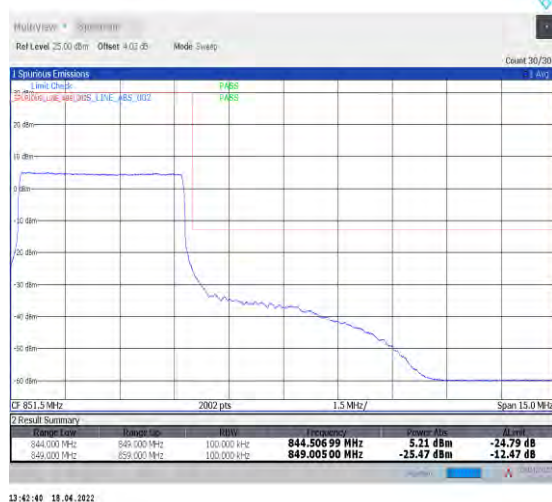
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1-N5--15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant
1-seegraph-PASS-see graph



13:42:40 18.04.2022

1-N5--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1
seegraph-PASS-see graph



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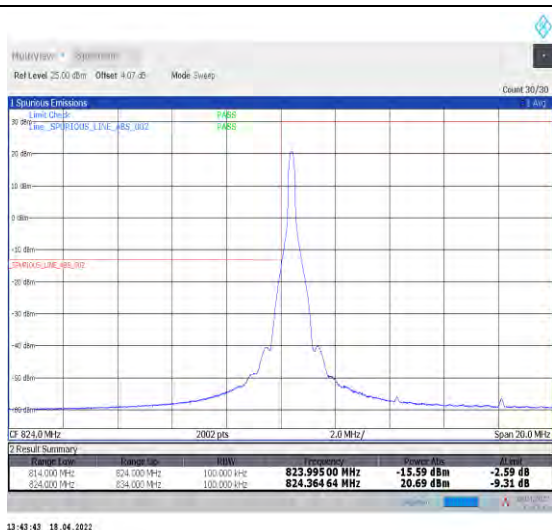
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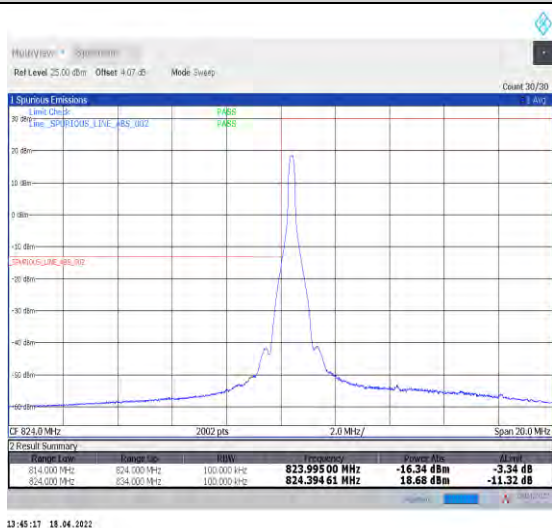
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1-N5--15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-seegraph-PASS-see graph



13:45:17 18.04.2022



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

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



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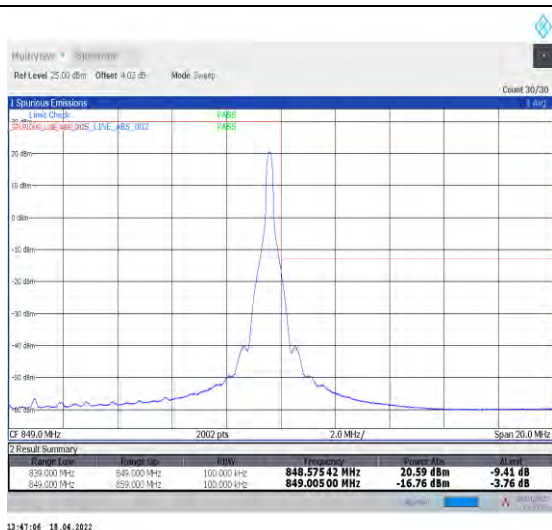
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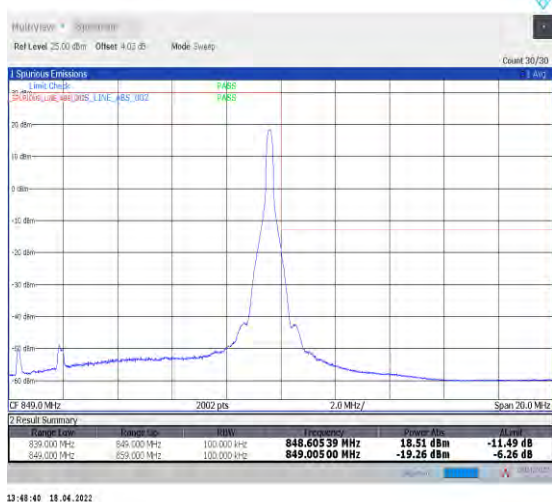
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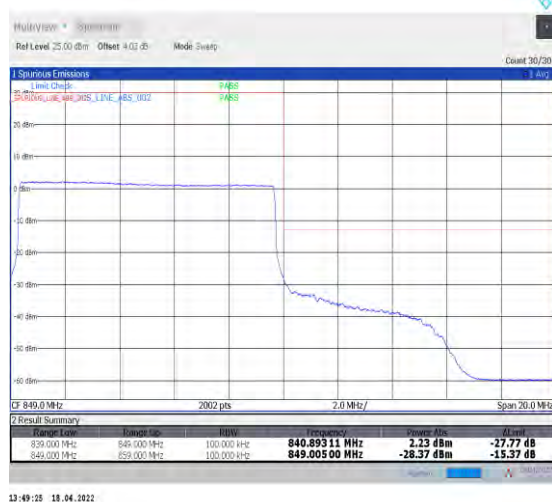
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1-N5--15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@
51-Ant1-seegraph-PASS-see graph

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



13:48:48 18.04.2022



13:49:25 18.04.2022

1-N5--15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-A
nt1-seegraph-PASS-see graph

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



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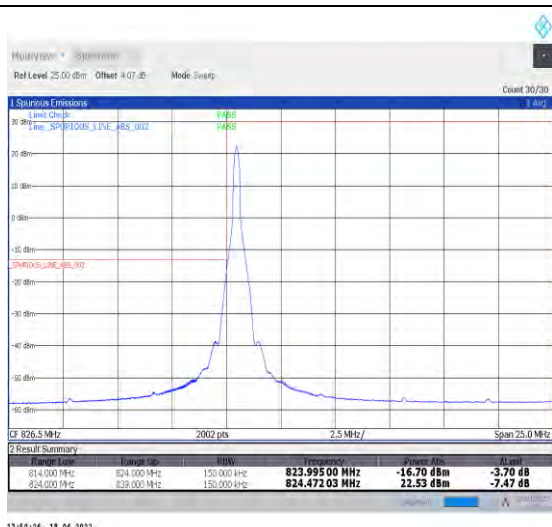
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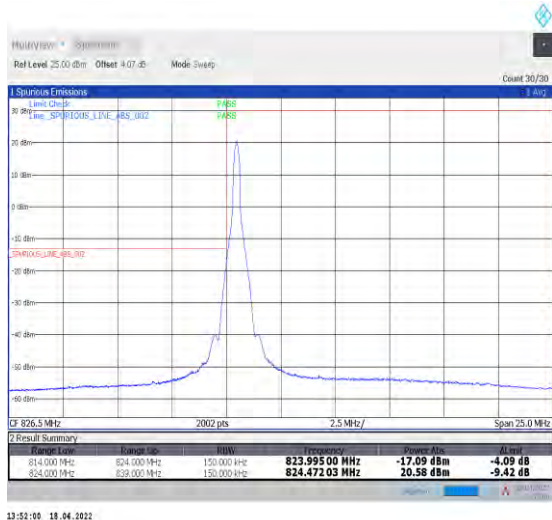
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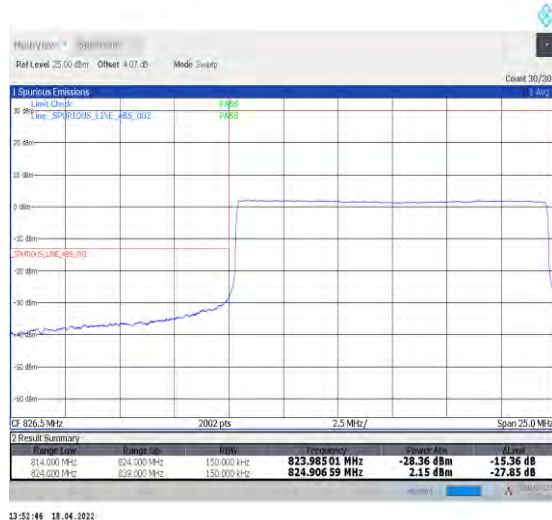
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13:52:08 18.04.2022

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13:52:46 18.04.2022

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



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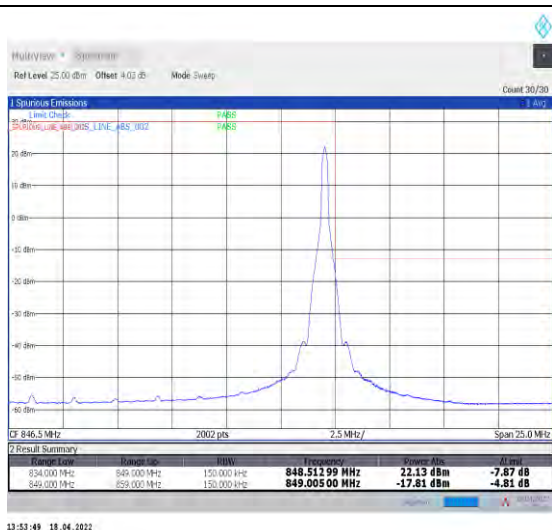
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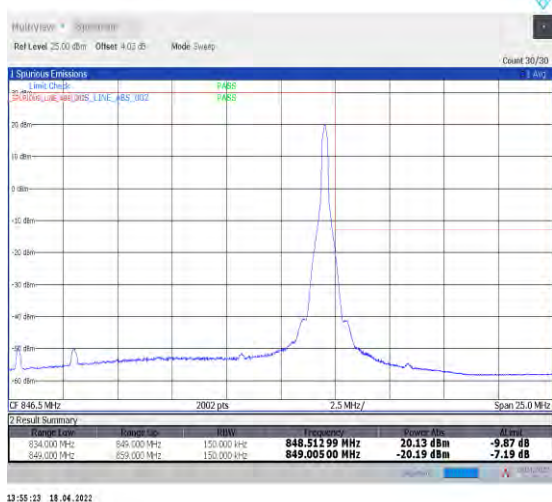
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13:54:34 18.04.2022

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

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



13:55:13 18.04.2022



13:56:08 18.04.2022

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

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



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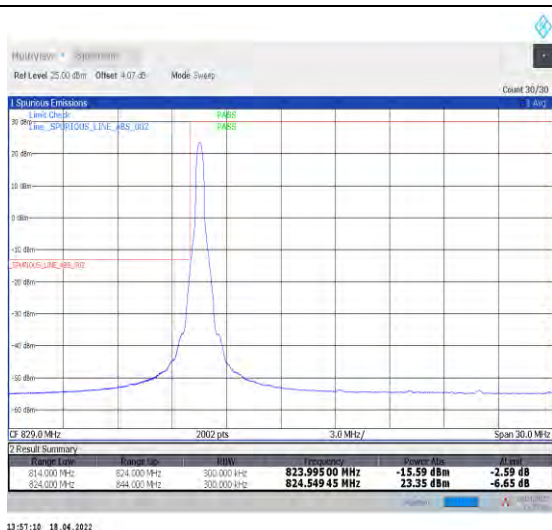
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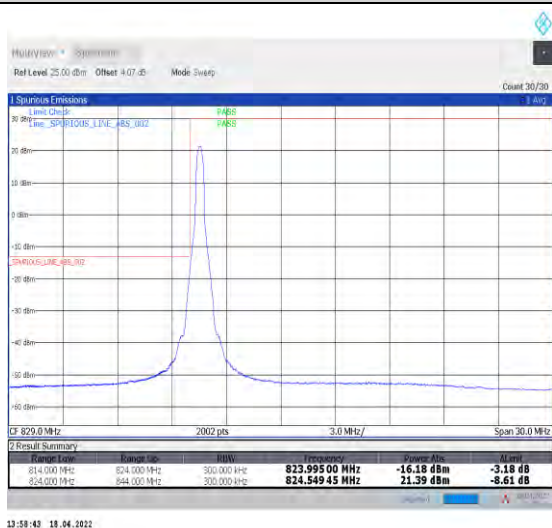
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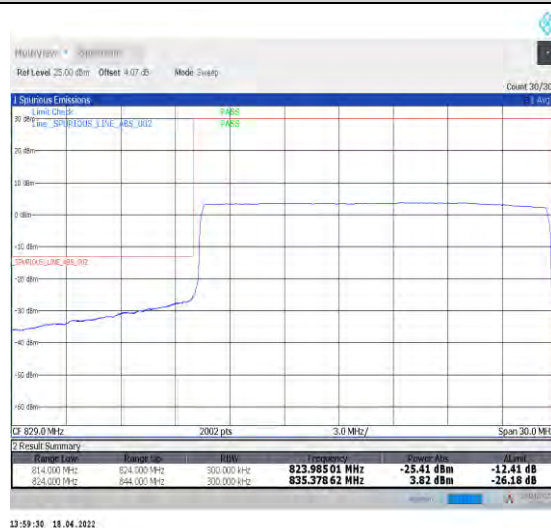
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1-N5--15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph

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



13:58:43 18.04.2022



13:59:36 18.04.2022

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

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



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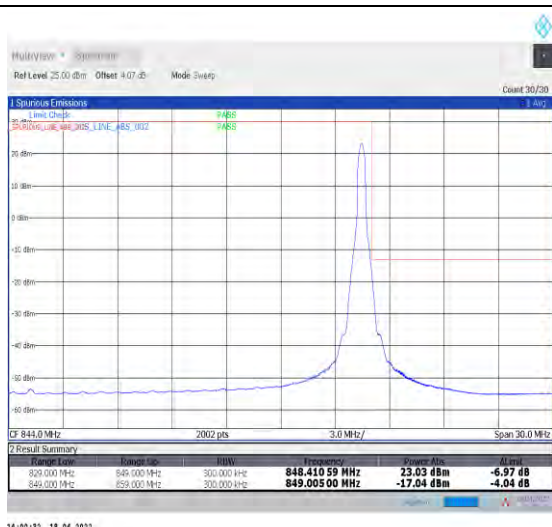
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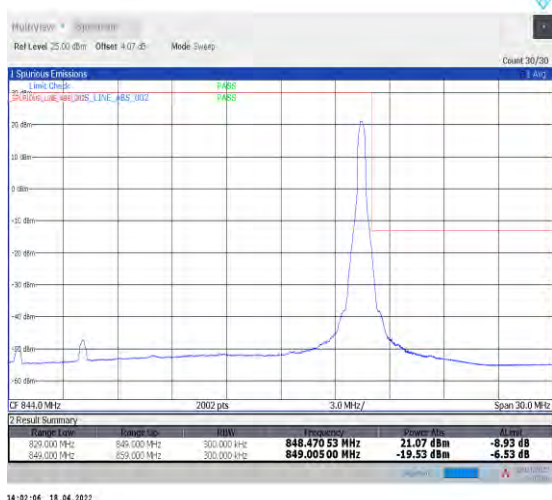
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1-N5--15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-seegraph-PASS-see graph

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



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

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



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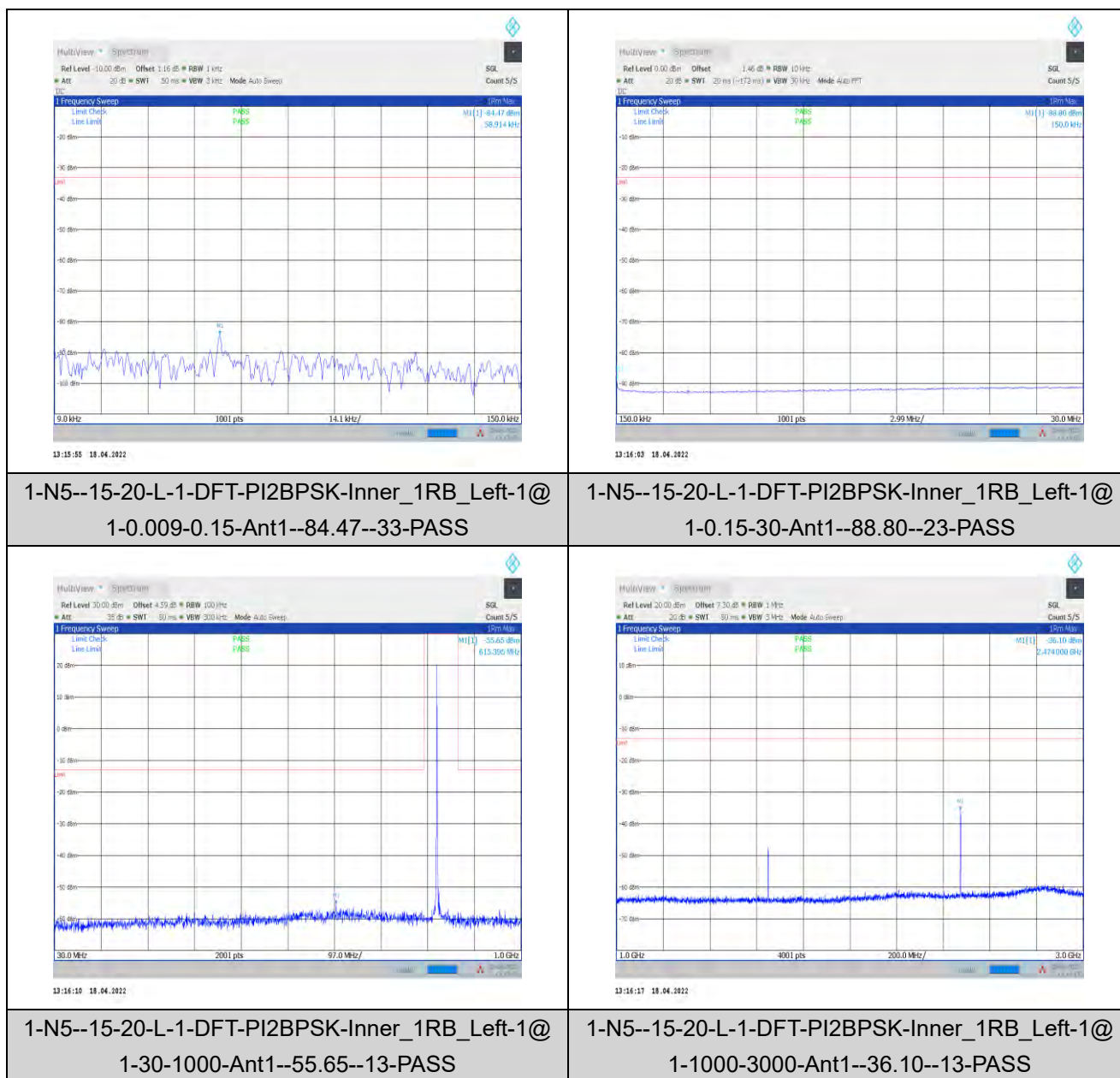
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Conducted Spurious Emission for SA

Test Graphs



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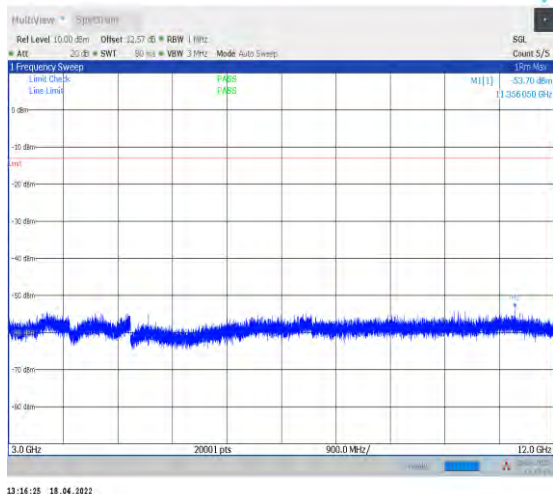
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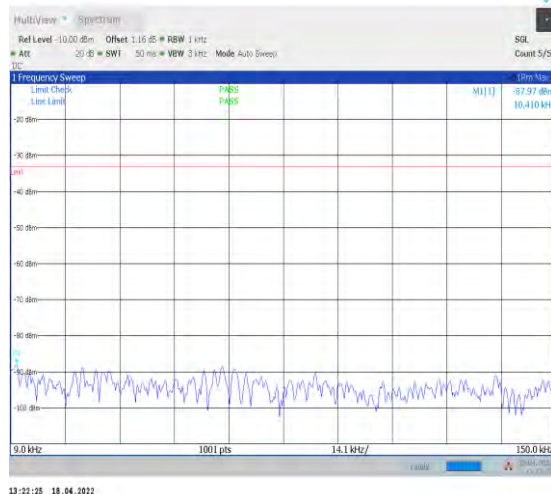
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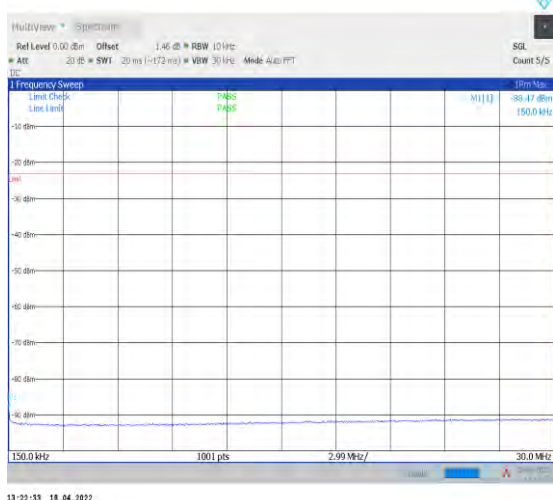
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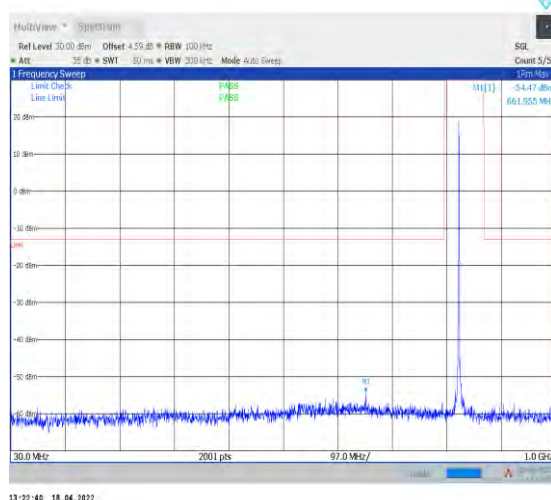
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1-3000-12000-Ant1--53.70--13-PASS



1-N5--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.009-0.15-Ant1--87.97--33-PASS



1-N5--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant1--88.47--23-PASS



1-N5--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-30-1000-Ant1--54.47--13-PASS



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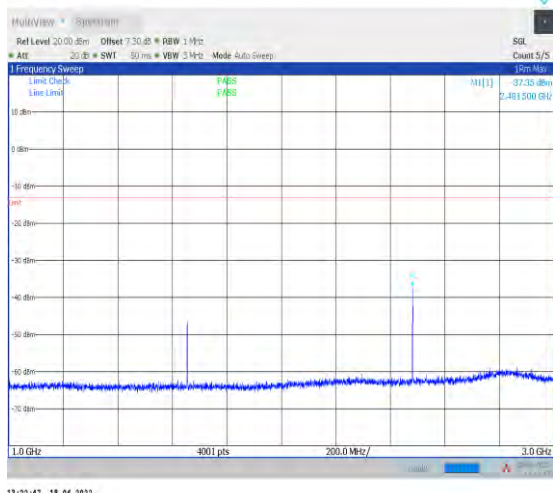
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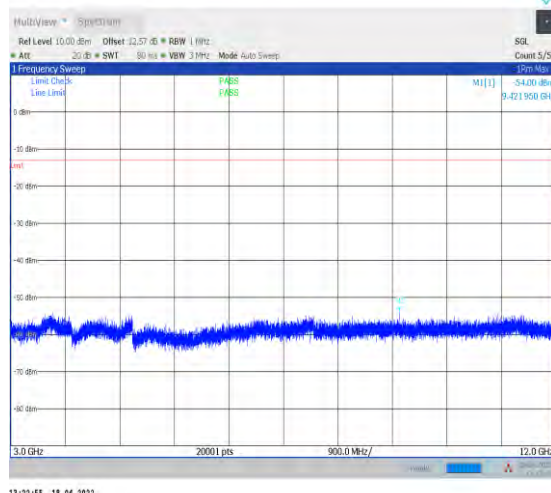
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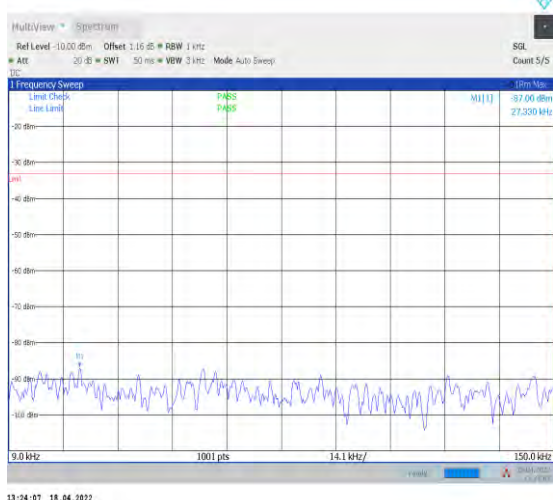
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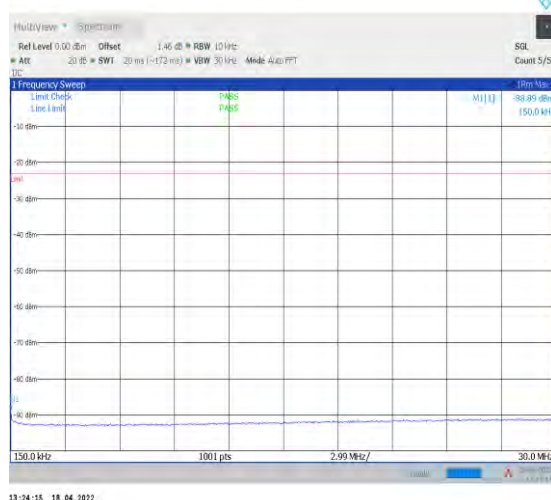
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1-1000-3000-Ant1--37.35--13-PASS



1-N5--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant1--54.00--13-PASS



1-N5--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.009-0.15-Ant1--87.00--33-PASS



1-N5--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant1--88.89--23-PASS



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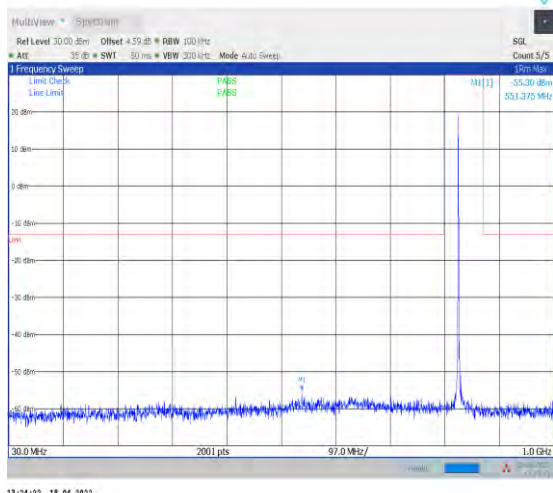
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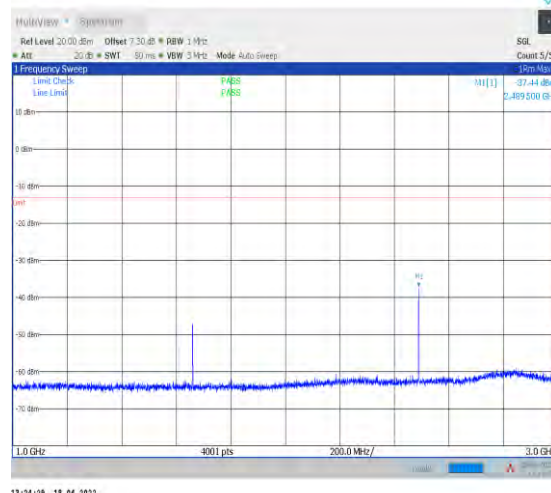
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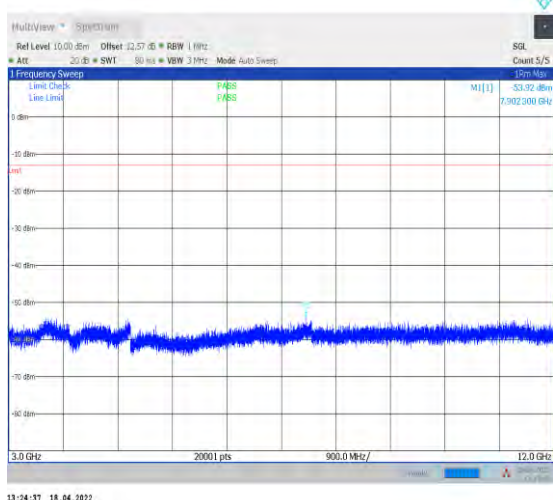
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1-N5--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-30-1000-Ant1--55.30--13-PASS



1-N5--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-1000-3000-Ant1--37.44--13-PASS



1-N5--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant1--53.92--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 5_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650	74.19	-118.07	-43.88	-13.00	30.88	263	211	Horizontal
2	2474	85.88	-114.37	-28.49	-13.00	15.49	251	115	Horizontal
3	3300.36	51.91	-111.89	-59.98	-13.00	46.98	174	115	Horizontal
4	4125.45	49.12	-109.79	-60.67	-13.00	47.67	265	200	Horizontal
5	4950.54	51.88	-107.85	-55.97	-13.00	42.97	254	357	Horizontal
6	5775.63	50.85	-105.30	-54.45	-13.00	41.45	177	211	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.18	53.98	-118.06	-64.08	-13.00	51.08	263	343	Vertical
2	2475.27	52.10	-114.35	-62.25	-13.00	49.25	254	360	Vertical
3	3300.36	51.16	-111.89	-60.73	-13.00	47.73	174	360	Vertical
4	4125.45	50.25	-109.79	-59.54	-13.00	46.54	185	92	Vertical
5	4950.54	51.00	-107.85	-56.85	-13.00	43.85	264	360	Vertical
6	5775.63	50.10	-105.30	-55.20	-13.00	42.20	111	124	Vertical



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Test Band = SA Band 5_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654	69.13	-118.06	-48.93	-13.00	35.93	263	66	Horizontal
2	2482	87.58	-114.29	-26.71	-13.00	13.71	254	139	Horizontal
3	3310.36	52.44	-111.92	-59.48	-13.00	46.48	175	288	Horizontal
4	4137.95	49.67	-109.74	-60.07	-13.00	47.07	263	213	Horizontal
5	4965.54	51.39	-107.80	-56.41	-13.00	43.41	254	340	Horizontal
6	5793.13	51.34	-105.23	-53.89	-13.00	40.89	177	204	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1655.18	54.00	-118.05	-64.05	-13.00	51.05	142	84	Vertical
2	2460	59.80	-114.52	-54.72	-13.00	41.72	265	84	Vertical
3	3310.36	53.15	-111.92	-58.77	-13.00	45.77	284	190	Vertical
4	4137.95	50.45	-109.74	-59.29	-13.00	46.29	176	360	Vertical
5	4965.54	51.12	-107.80	-56.68	-13.00	43.68	263	318	Vertical
6	5793.13	52.01	-105.23	-53.22	-13.00	40.22	322	360	Vertical



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Test Band = SA Band 5_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660	65.76	-118.04	-52.28	-13.00	39.28	262	160	Horizontal
2	2488	82.59	-114.23	-31.64	-13.00	18.64	251	234	Horizontal
3	3320.36	52.19	-111.94	-59.75	-13.00	46.75	174	96	Horizontal
4	4150.45	50.16	-109.67	-59.51	-13.00	46.51	186	251	Horizontal
5	4980.54	51.16	-107.74	-56.58	-13.00	43.58	264	356	Horizontal
6	5810.63	51.93	-105.13	-53.20	-13.00	40.20	188	212	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1660.18	54.19	-118.04	-63.85	-13.00	50.85	241	179	Vertical
2	2490.27	52.25	-114.18	-61.93	-13.00	48.93	175	114	Vertical
3	3320.36	50.96	-111.94	-60.98	-13.00	47.98	262	114	Vertical
4	4150.45	49.13	-109.67	-60.54	-13.00	47.54	251	359	Vertical
5	4980.54	51.28	-107.74	-56.46	-13.00	43.46	144	179	Vertical
6	5810.63	51.77	-105.13	-53.36	-13.00	40.36	186	345	Vertical



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.700000	0.000837	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.000000	-0.002391	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	4.500000	0.005380	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	2.400000	0.002869	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	2.600000	0.003108	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	39.000000	0.046623	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	3.400000	0.004065	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.800000	0.004543	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.900000	0.007053	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	2.200000	0.002630	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	4.200000	0.005021	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.300000	-0.001554	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	6.900000	0.008249	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	7.800000	0.009325	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	2.700000	0.003228	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	11.600000	0.013867	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	5.500000	0.006575	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	12.400000	0.014824	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	6.700000	0.008010	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	6.200000	0.007412	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	9.200000	0.010998	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	2.300000	0.002750	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	9.900000	0.011835	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	2.200000	0.002630	PASS

The End



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