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Appendix B.22

NR Band n71



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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
N71	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.4	21.52	34.77	PASS
N71	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.42	21.54	34.77	PASS
N71	15	5	DFT-PI2BPSK	L	Outer_Full	23.38	21.5	34.77	PASS
N71	15	5	DFT-QPSK	L	Inner_1RB_Left	23.42	21.54	34.77	PASS
N71	15	5	DFT-QPSK	L	Inner_1RB_Right	23.36	21.48	34.77	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	23.38	21.5	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Left	23.54	21.66	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Right	23.51	21.63	34.77	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	22.46	20.58	34.77	PASS
N71	15	5	DFT-64QAM	L	Inner_1RB_Left	21.86	19.98	34.77	PASS
N71	15	5	DFT-64QAM	L	Inner_1RB_Right	21.83	19.95	34.77	PASS
N71	15	5	DFT-64QAM	L	Outer_Full	21.89	20.01	34.77	PASS
N71	15	5	DFT-256QAM	L	Inner_1RB_Left	20.11	18.23	34.77	PASS
N71	15	5	DFT-256QAM	L	Inner_1RB_Right	19.98	18.1	34.77	PASS
N71	15	5	DFT-256QAM	L	Outer_Full	19.89	18.01	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.41	21.53	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.27	21.39	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	23.32	21.44	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Left	23.43	21.55	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Right	23.25	21.37	34.77	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	23.31	21.43	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Left	23.45	21.57	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Right	23.43	21.55	34.77	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	22.32	20.44	34.77	PASS
N71	15	5	DFT-64QAM	M	Inner_1RB_Left	21.81	19.93	34.77	PASS
N71	15	5	DFT-64QAM	M	Inner_1RB_Right	21.69	19.81	34.77	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	21.81	19.93	34.77	PASS
N71	15	5	DFT-256QAM	M	Inner_1RB_Left	20.09	18.21	34.77	PASS
N71	15	5	DFT-256QAM	M	Inner_1RB_Right	19.92	18.04	34.77	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	19.82	17.94	34.77	PASS
N71	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.3	21.42	34.77	PASS



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N71	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.24	21.36	34.77	PASS
N71	15	5	DFT-PI2BPSK	H	Outer_Full	23.21	21.33	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Left	23.3	21.42	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Right	23.17	21.29	34.77	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	23.19	21.31	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Left	23.43	21.55	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Right	23.31	21.43	34.77	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	22.2	20.32	34.77	PASS
N71	15	5	DFT-64QAM	H	Inner_1RB_Left	21.71	19.83	34.77	PASS
N71	15	5	DFT-64QAM	H	Inner_1RB_Right	21.61	19.73	34.77	PASS
N71	15	5	DFT-64QAM	H	Outer_Full	21.69	19.81	34.77	PASS
N71	15	5	DFT-256QAM	H	Inner_1RB_Left	19.92	18.04	34.77	PASS
N71	15	5	DFT-256QAM	H	Inner_1RB_Right	19.74	17.86	34.77	PASS
N71	15	5	DFT-256QAM	H	Outer_Full	19.68	17.8	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.49	21.61	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.47	21.59	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Outer_Full	23.48	21.6	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Left	23.49	21.61	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Right	23.51	21.63	34.77	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	23.51	21.63	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Left	23.61	21.73	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Right	23.58	21.7	34.77	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	22.53	20.65	34.77	PASS
N71	15	10	DFT-64QAM	L	Inner_1RB_Left	21.97	20.09	34.77	PASS
N71	15	10	DFT-64QAM	L	Inner_1RB_Right	21.92	20.04	34.77	PASS
N71	15	10	DFT-64QAM	L	Outer_Full	22.02	20.14	34.77	PASS
N71	15	10	DFT-256QAM	L	Inner_1RB_Left	20.09	18.21	34.77	PASS
N71	15	10	DFT-256QAM	L	Inner_1RB_Right	20.14	18.26	34.77	PASS
N71	15	10	DFT-256QAM	L	Outer_Full	19.99	18.11	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.38	21.5	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.21	21.33	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	23.34	21.46	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Left	23.41	21.53	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Right	23.29	21.41	34.77	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	23.38	21.5	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Left	23.08	21.2	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Right	22.99	21.11	34.77	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	22.31	20.43	34.77	PASS



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N71	15	10	DFT-64QAM	M	Inner_1RB_Left	21.67	19.79	34.77	PASS
N71	15	10	DFT-64QAM	M	Inner_1RB_Right	21.56	19.68	34.77	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	21.85	19.97	34.77	PASS
N71	15	10	DFT-256QAM	M	Inner_1RB_Left	19.88	18	34.77	PASS
N71	15	10	DFT-256QAM	M	Inner_1RB_Right	19.78	17.9	34.77	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	19.9	18.02	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.29	21.41	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.31	21.43	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Outer_Full	23.29	21.41	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Left	23.3	21.42	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Right	23.26	21.38	34.77	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	23.33	21.45	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Left	23.32	21.44	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Right	23.39	21.51	34.77	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	22.31	20.43	34.77	PASS
N71	15	10	DFT-64QAM	H	Inner_1RB_Left	21.67	19.79	34.77	PASS
N71	15	10	DFT-64QAM	H	Inner_1RB_Right	21.67	19.79	34.77	PASS
N71	15	10	DFT-64QAM	H	Outer_Full	21.8	19.92	34.77	PASS
N71	15	10	DFT-256QAM	H	Inner_1RB_Left	19.83	17.95	34.77	PASS
N71	15	10	DFT-256QAM	H	Inner_1RB_Right	19.77	17.89	34.77	PASS
N71	15	10	DFT-256QAM	H	Outer_Full	19.75	17.87	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.5	21.62	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.28	21.4	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Outer_Full	23.6	21.72	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Left	23.48	21.6	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Right	23.34	21.46	34.77	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	23.64	21.76	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Left	23.64	21.76	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Right	23.41	21.53	34.77	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	22.59	20.71	34.77	PASS
N71	15	15	DFT-64QAM	L	Inner_1RB_Left	21.89	20.01	34.77	PASS
N71	15	15	DFT-64QAM	L	Inner_1RB_Right	21.74	19.86	34.77	PASS
N71	15	15	DFT-64QAM	L	Outer_Full	22	20.12	34.77	PASS
N71	15	15	DFT-256QAM	L	Inner_1RB_Left	19.94	18.06	34.77	PASS
N71	15	15	DFT-256QAM	L	Inner_1RB_Right	19.96	18.08	34.77	PASS
N71	15	15	DFT-256QAM	L	Outer_Full	20.07	18.19	34.77	PASS
N71	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.54	21.66	34.77	PASS
N71	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.22	21.34	34.77	PASS



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N71	15	15	DFT-PI2BPSK	M	Outer_Full	23.5	21.62	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Left	23.51	21.63	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Right	23.26	21.38	34.77	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	23.51	21.63	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Left	23.57	21.69	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Right	23.37	21.49	34.77	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	22.52	20.64	34.77	PASS
N71	15	15	DFT-64QAM	M	Inner_1RB_Left	21.9	20.02	34.77	PASS
N71	15	15	DFT-64QAM	M	Inner_1RB_Right	21.66	19.78	34.77	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	21.99	20.11	34.77	PASS
N71	15	15	DFT-256QAM	M	Inner_1RB_Left	20.15	18.27	34.77	PASS
N71	15	15	DFT-256QAM	M	Inner_1RB_Right	19.8	17.92	34.77	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	20.13	18.25	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.28	21.4	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.13	21.25	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Outer_Full	23.3	21.42	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Left	23.28	21.4	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Right	23.15	21.27	34.77	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	23.3	21.42	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Left	23.44	21.56	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Right	23.39	21.51	34.77	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	22.3	20.42	34.77	PASS
N71	15	15	DFT-64QAM	H	Inner_1RB_Left	21.49	19.61	34.77	PASS
N71	15	15	DFT-64QAM	H	Inner_1RB_Right	21.48	19.6	34.77	PASS
N71	15	15	DFT-64QAM	H	Outer_Full	21.81	19.93	34.77	PASS
N71	15	15	DFT-256QAM	H	Inner_1RB_Left	19.84	17.96	34.77	PASS
N71	15	15	DFT-256QAM	H	Inner_1RB_Right	19.8	17.92	34.77	PASS
N71	15	15	DFT-256QAM	H	Outer_Full	19.89	18.01	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.46	21.58	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.18	21.3	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	23.49	21.61	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Left	23.47	21.59	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Right	23.26	21.38	34.77	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	23.54	21.66	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Left	23.18	21.3	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Right	22.93	21.05	34.77	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	22.55	20.67	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Left	21.82	19.94	34.77	PASS



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N71	15	20	DFT-64QAM	L	Inner_1RB_Right	21.55	19.67	34.77	PASS
N71	15	20	DFT-64QAM	L	Outer_Full	22.02	20.14	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Left	19.9	18.02	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Right	19.8	17.92	34.77	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	20.09	18.21	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.61	21.73	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.23	21.35	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	23.5	21.62	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Left	23.56	21.68	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Right	23.14	21.26	34.77	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	23.5	21.62	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Left	23.66	21.78	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Right	23.27	21.39	34.77	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	22.53	20.65	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Left	21.99	20.11	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Right	21.6	19.72	34.77	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	22.01	20.13	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Left	20.07	18.19	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Right	19.88	18	34.77	FAIL
N71	15	20	DFT-256QAM	M	Outer_Full	20.09	18.21	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.53	21.65	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.25	21.37	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	23.35	21.47	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Left	23.53	21.65	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Right	23.13	21.25	34.77	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	23.31	21.43	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Left	23.56	21.68	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Right	23.23	21.35	34.77	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	22.36	20.48	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Left	21.94	20.06	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Right	21.5	19.62	34.77	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	21.79	19.91	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Left	20.02	18.14	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Right	19.77	17.89	34.77	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	19.88	18	34.77	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

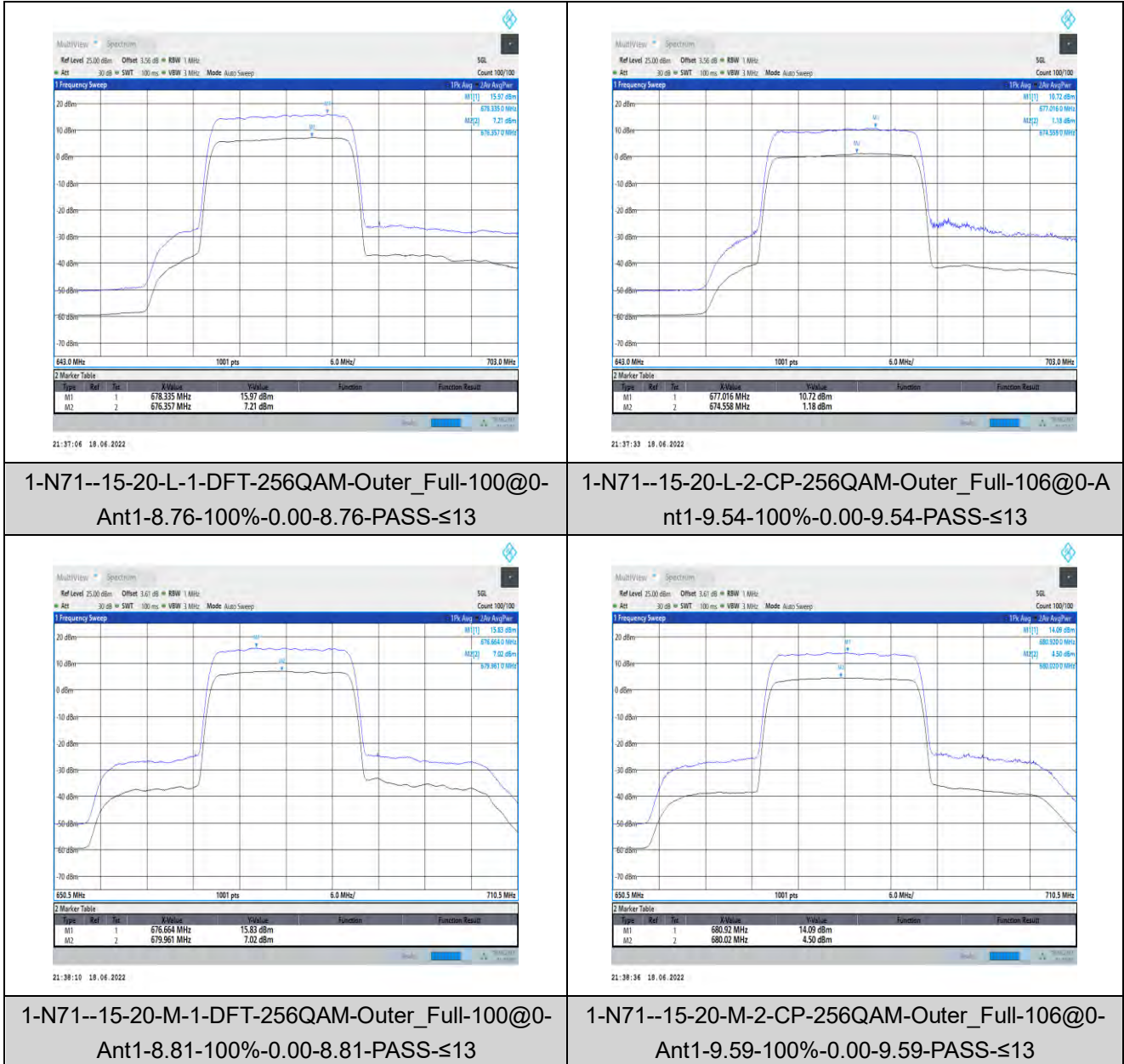
Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N71	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.76	≤13	PASS
N71	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.54	≤13	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.81	≤13	PASS
N71	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.59	≤13	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.76	≤13	PASS
N71	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.66	≤13	PASS



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Test Graphs



1-N71--15-20-L-1-DFT-256QAM-Outer_Full-100@0-Ant1-8.76-100%-0.00-8.76-PASS-≤13

1-N71--15-20-L-2-CP-256QAM-Outer_Full-106@0-Ant1-9.54-100%-0.00-9.54-PASS-≤13

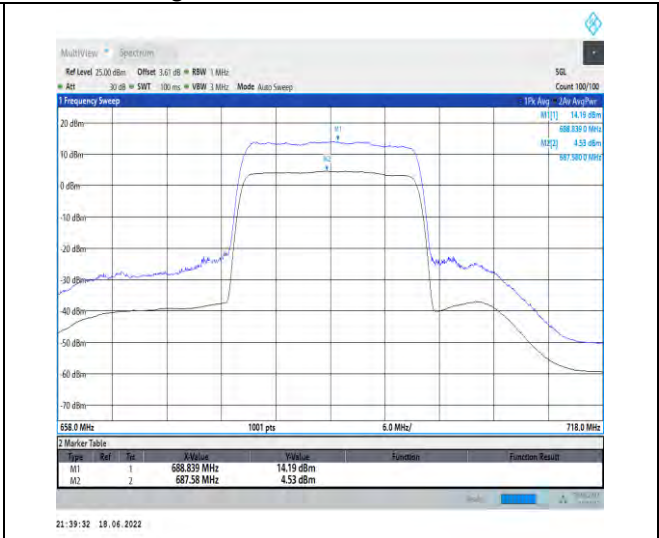
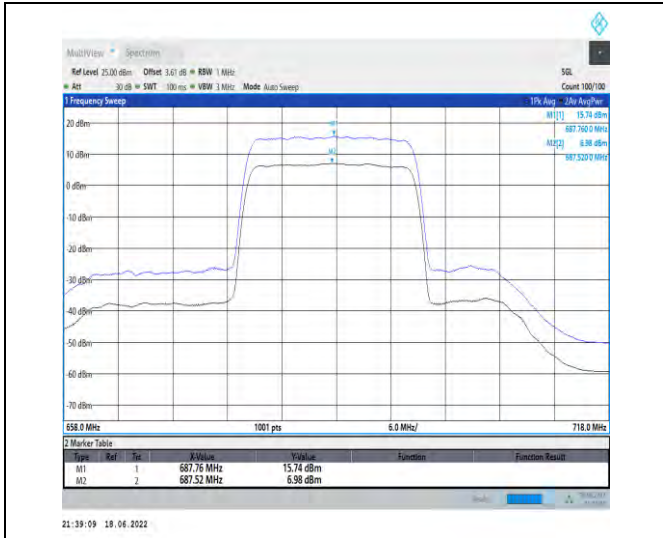
1-N71--15-20-M-1-DFT-256QAM-Outer_Full-100@0-Ant1-8.81-100%-0.00-8.81-PASS-≤13

1-N71--15-20-M-2-CP-256QAM-Outer_Full-106@0-Ant1-9.59-100%-0.00-9.59-PASS-≤13



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1-N71--15-20-H-1-DFT-256QAM-Outer_Full-100@0-Ant1-8.76-100%-0.00-8.76-PASS- ≤ 13

1-N71--15-20-H-2-CP-256QAM-Outer_Full-106@0-Ant1-9.66-100%-0.00-9.66-PASS- ≤ 13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N71	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N71	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N71	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N71	15	20	CP-256QAM	M	Outer_Full	see graph	PASS



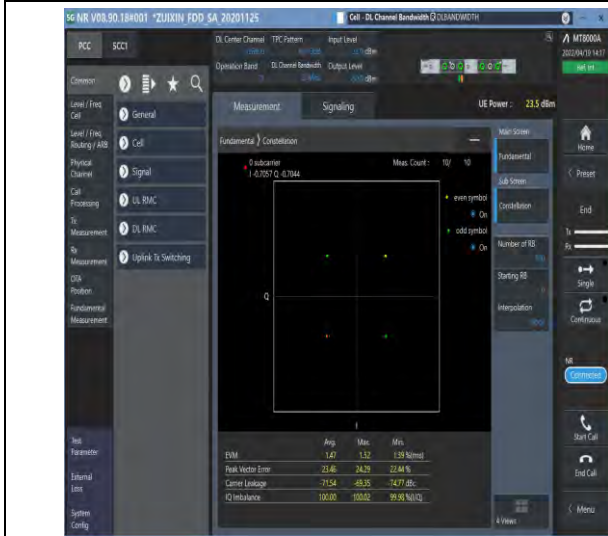
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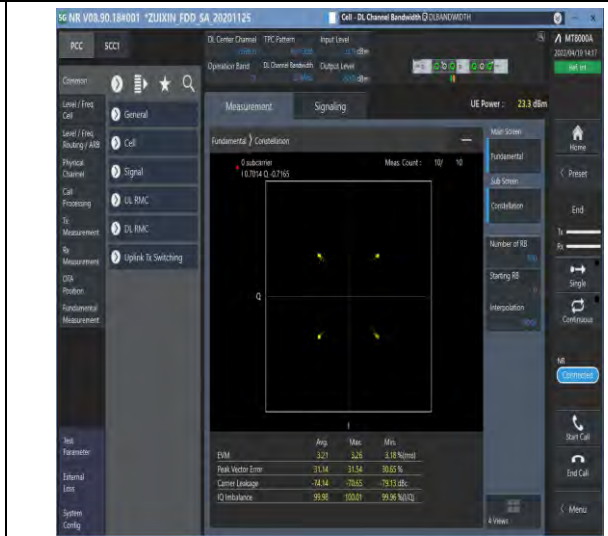
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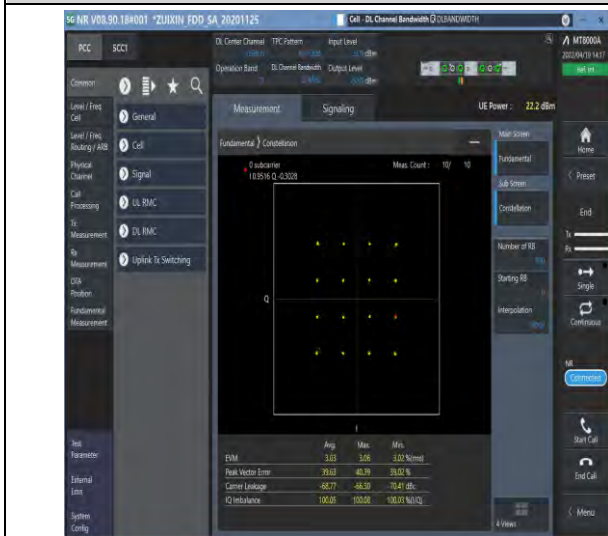
Test Graphs



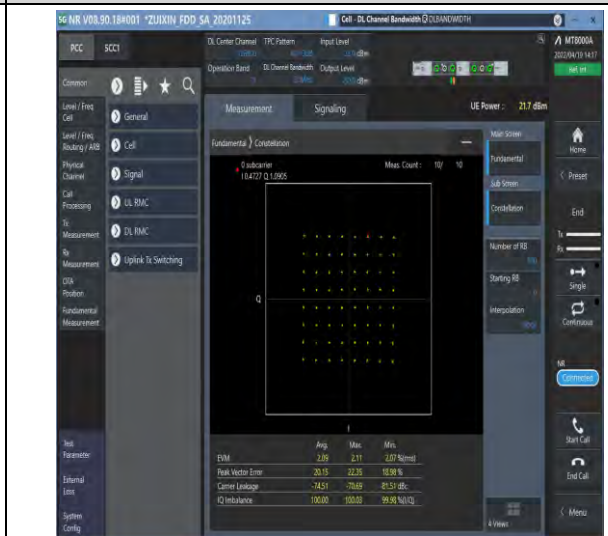
1-N71--15-20-M-1-DFT-PI2BPSK-Outer_Full-100@0-A
 Ant1-see graph-PASS



1-N71--15-20-M-2-DFT-QPSK-Outer_Full-100@0-A
 nt1-see graph-PASS



1-N71--15-20-M-3-DFT-16QAM-Outer_Full-100@0-A
 nt1-see graph-PASS



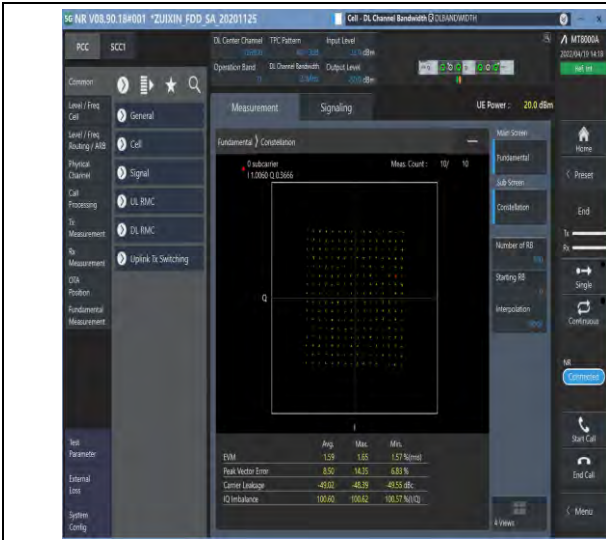
1-N71--15-20-M-4-DFT-64QAM-Outer_Full-100@0-A
 Ant1-see graph-PASS



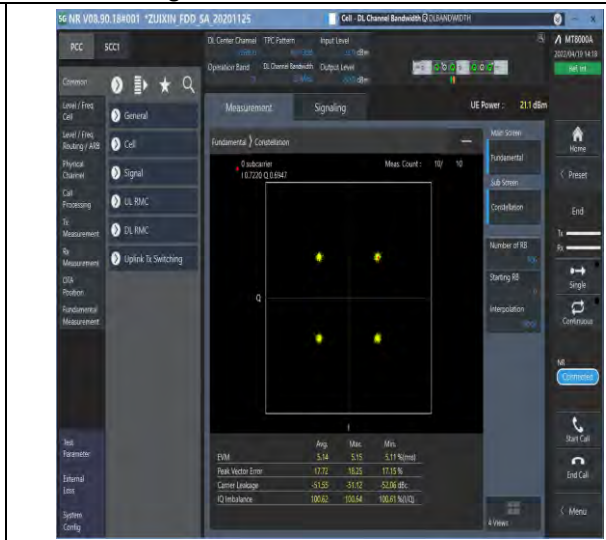
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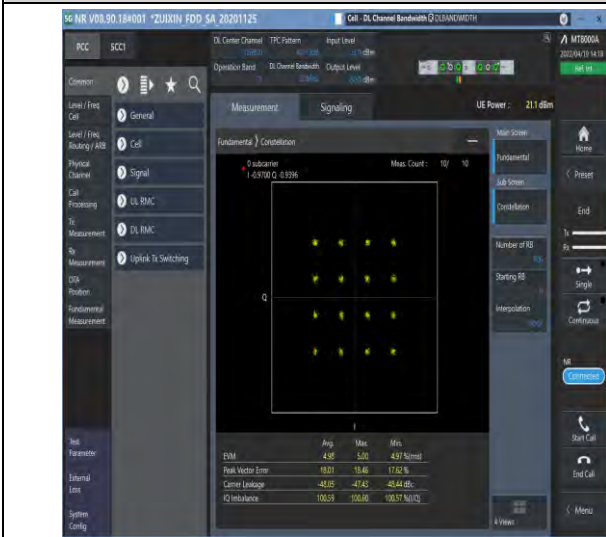
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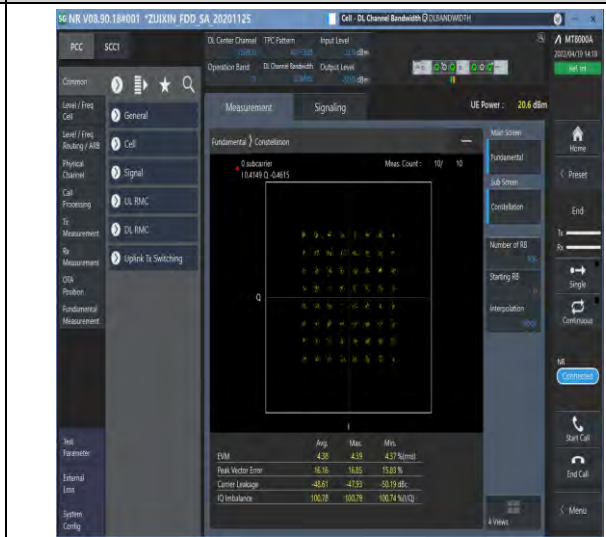
1-N71--15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-see graph-PASS



1-N71--15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-see graph-PASS



1-N71--15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-see graph-PASS



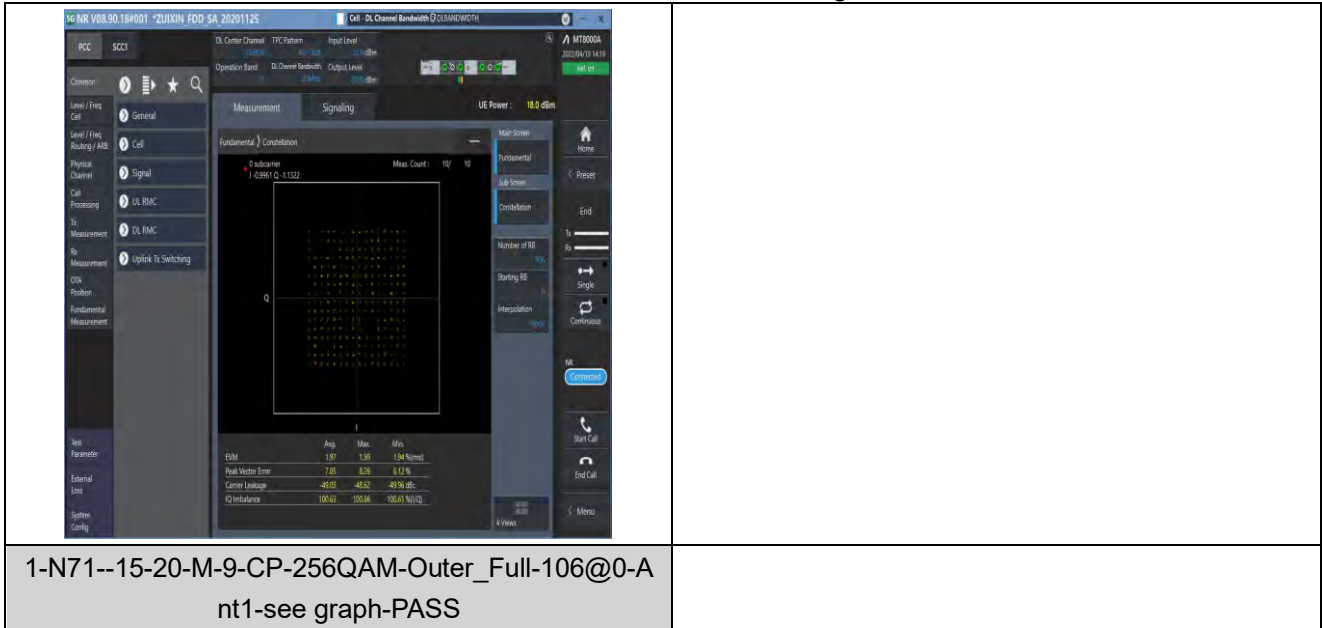
1-N71--15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	4.472	4.840	PASS
N71	15	5	DFT-PI2BPSK	L	Outer_Full	4.466	4.880	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	4.468	4.890	PASS
N71	15	5	DFT-64QAM	L	Outer_Full	4.474	4.900	PASS
N71	15	5	DFT-256QAM	L	Outer_Full	4.471	4.860	PASS
N71	15	5	CP-QPSK	L	Outer_Full	4.478	4.940	PASS
N71	15	5	CP-16QAM	L	Outer_Full	4.475	4.890	PASS
N71	15	5	CP-64QAM	L	Outer_Full	4.466	4.920	PASS
N71	15	5	CP-256QAM	L	Outer_Full	4.482	4.990	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	4.477	4.840	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.465	4.850	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.464	4.890	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.48	4.860	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.463	4.870	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.463	4.860	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.451	4.920	PASS
N71	15	5	CP-64QAM	M	Outer_Full	4.481	4.910	PASS
N71	15	5	CP-256QAM	M	Outer_Full	4.471	4.980	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	4.477	4.920	PASS
N71	15	5	DFT-PI2BPSK	H	Outer_Full	4.473	4.820	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	4.467	4.820	PASS
N71	15	5	DFT-64QAM	H	Outer_Full	4.477	4.890	PASS
N71	15	5	DFT-256QAM	H	Outer_Full	4.482	4.910	PASS
N71	15	5	CP-QPSK	H	Outer_Full	4.461	4.930	PASS
N71	15	5	CP-16QAM	H	Outer_Full	4.464	4.940	PASS
N71	15	5	CP-64QAM	H	Outer_Full	4.469	4.920	PASS
N71	15	5	CP-256QAM	H	Outer_Full	4.472	4.900	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	8.938	9.620	PASS
N71	15	10	DFT-PI2BPSK	L	Outer_Full	8.939	11.160	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	8.948	9.440	PASS
N71	15	10	DFT-64QAM	L	Outer_Full	8.931	9.620	PASS
N71	15	10	DFT-256QAM	L	Outer_Full	8.931	9.580	PASS



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N71	15	10	CP-QPSK	L	Outer_Full	9.308	9.980	PASS
N71	15	10	CP-16QAM	L	Outer_Full	9.278	9.800	PASS
N71	15	10	CP-64QAM	L	Outer_Full	9.286	9.760	PASS
N71	15	10	CP-256QAM	L	Outer_Full	9.269	9.800	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.933	9.580	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.923	9.420	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.949	9.460	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.932	9.520	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.943	9.600	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.283	9.940	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.273	9.820	PASS
N71	15	10	CP-64QAM	M	Outer_Full	9.274	9.800	PASS
N71	15	10	CP-256QAM	M	Outer_Full	9.292	9.820	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	8.929	9.500	PASS
N71	15	10	DFT-PI2BPSK	H	Outer_Full	8.908	9.460	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	8.933	9.540	PASS
N71	15	10	DFT-64QAM	H	Outer_Full	8.934	9.540	PASS
N71	15	10	DFT-256QAM	H	Outer_Full	8.938	9.580	PASS
N71	15	10	CP-QPSK	H	Outer_Full	9.305	10.020	PASS
N71	15	10	CP-16QAM	H	Outer_Full	9.278	9.920	PASS
N71	15	10	CP-64QAM	H	Outer_Full	9.29	9.960	PASS
N71	15	10	CP-256QAM	H	Outer_Full	9.283	9.880	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	13.502	14.160	PASS
N71	15	15	DFT-PI2BPSK	L	Outer_Full	13.454	14.250	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	13.458	14.160	PASS
N71	15	15	DFT-64QAM	L	Outer_Full	13.432	14.220	PASS
N71	15	15	DFT-256QAM	L	Outer_Full	13.4	14.100	PASS
N71	15	15	CP-QPSK	L	Outer_Full	14.112	14.850	PASS
N71	15	15	CP-16QAM	L	Outer_Full	14.119	14.760	PASS
N71	15	15	CP-64QAM	L	Outer_Full	14.154	14.910	PASS
N71	15	15	CP-256QAM	L	Outer_Full	14.155	14.850	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.481	14.250	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.421	14.130	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.428	14.280	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.412	14.160	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.408	14.250	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.102	14.940	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.091	14.820	PASS



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N71	15	15	CP-64QAM	M	Outer_Full	14.112	14.760	PASS
N71	15	15	CP-256QAM	M	Outer_Full	14.112	14.880	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	13.466	14.190	PASS
N71	15	15	DFT-PI2BPSK	H	Outer_Full	13.417	14.220	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	13.43	14.250	PASS
N71	15	15	DFT-64QAM	H	Outer_Full	13.414	14.070	PASS
N71	15	15	DFT-256QAM	H	Outer_Full	13.418	14.130	PASS
N71	15	15	CP-QPSK	H	Outer_Full	14.099	14.910	PASS
N71	15	15	CP-16QAM	H	Outer_Full	14.072	14.880	PASS
N71	15	15	CP-64QAM	H	Outer_Full	14.129	15.000	PASS
N71	15	15	CP-256QAM	H	Outer_Full	14.122	14.880	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	17.857	18.720	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	17.862	18.680	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	17.876	18.680	PASS
N71	15	20	DFT-64QAM	L	Outer_Full	17.84	18.640	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	17.861	18.720	PASS
N71	15	20	CP-QPSK	L	Outer_Full	18.884	19.800	PASS
N71	15	20	CP-16QAM	L	Outer_Full	18.945	19.680	PASS
N71	15	20	CP-64QAM	L	Outer_Full	18.926	19.760	PASS
N71	15	20	CP-256QAM	L	Outer_Full	18.891	19.760	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.815	18.600	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.79	18.680	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.859	18.840	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	17.846	18.720	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	17.789	18.680	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.885	19.840	PASS
N71	15	20	CP-16QAM	M	Outer_Full	18.863	19.640	PASS
N71	15	20	CP-64QAM	M	Outer_Full	18.909	19.840	PASS
N71	15	20	CP-256QAM	M	Outer_Full	18.866	19.760	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	17.858	18.520	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	17.835	18.680	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	17.86	18.680	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	17.834	18.720	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	17.852	18.600	PASS
N71	15	20	CP-QPSK	H	Outer_Full	18.851	19.760	PASS
N71	15	20	CP-16QAM	H	Outer_Full	18.882	19.760	PASS
N71	15	20	CP-64QAM	H	Outer_Full	18.893	19.760	PASS
N71	15	20	CP-256QAM	H	Outer_Full	18.842	19.800	PASS

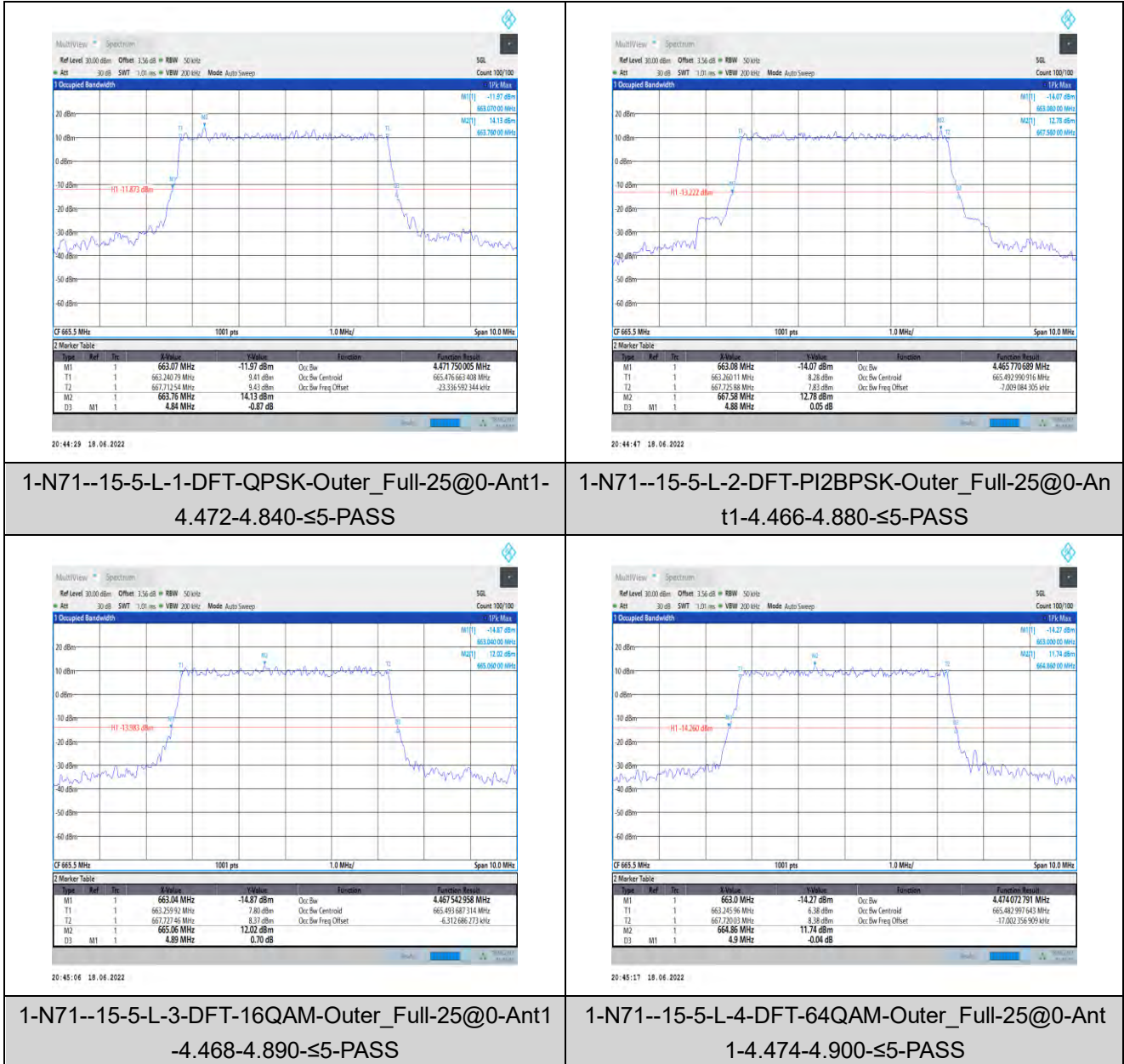


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Test Graphs



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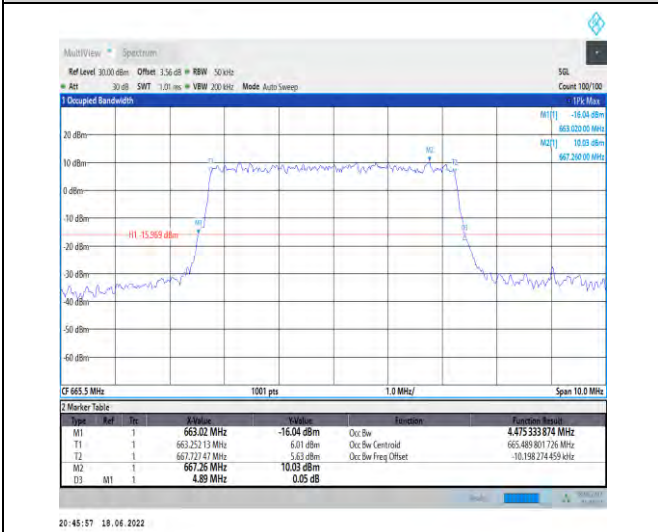
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1-N71--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.471-4.860-≤5-PASS



1-N71--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4
.478-4.940-≤5-PASS



1-N71--15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-
4.475-4.890-≤5-PASS



1-N71--15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-
4.466-4.920-≤5-PASS



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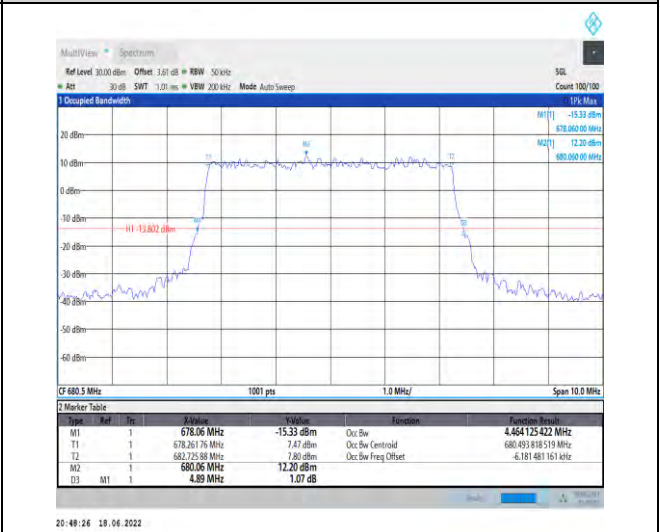
1-N71--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1
-4.482-4.990-≤5-PASS



1-N71--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1
-4.477-4.840-≤5-PASS



1-N71--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1
-4.465-4.850-≤5-PASS



1-N71--15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1
1-4.464-4.890-≤5-PASS



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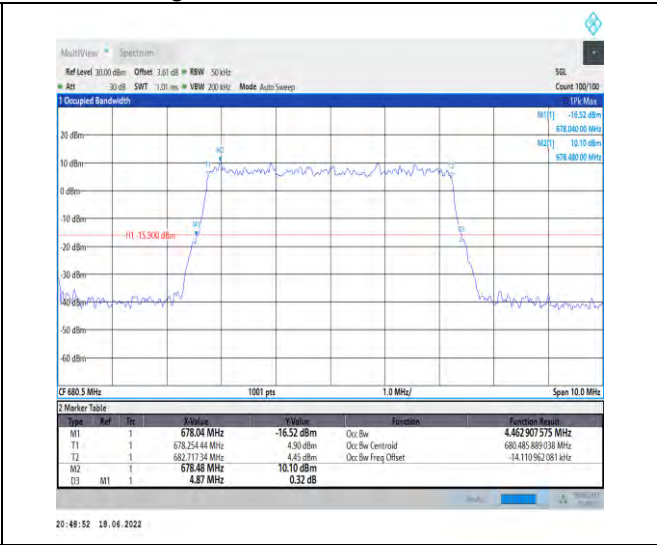
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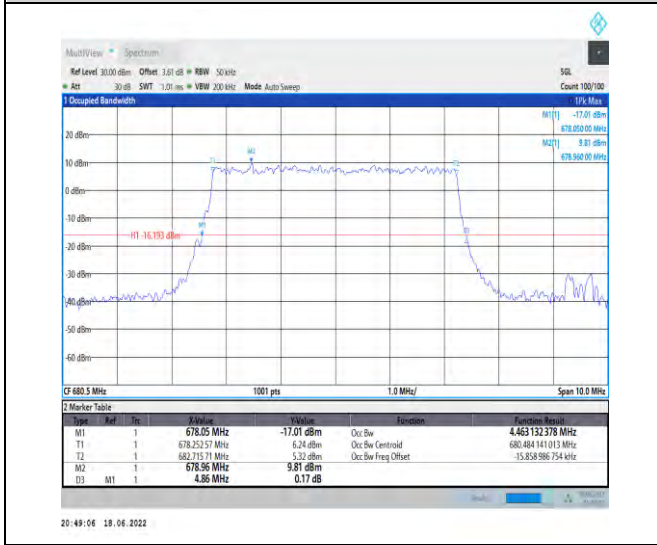
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1-N71--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant
1-4.48-4.860-≤5-PASS

1-N71--15-5-M-5-DFT-256QAM-Outer_Full-25@0-A
nt1-4.463-4.870-≤5-PASS



1-N71--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4
.463-4.860-≤5-PASS

1-N71--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1
-4.451-4.920-≤5-PASS



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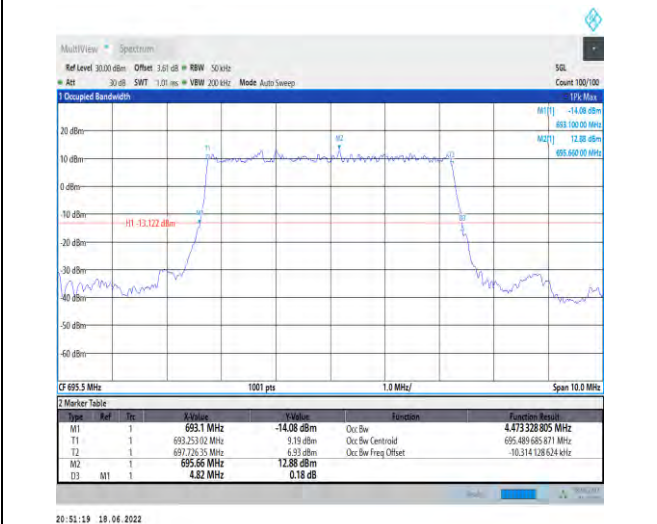
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1-N71--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1
-4.481-4.910-≤5-PASS

1-N71--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant
1-4.471-4.980-≤5-PASS



1-N71--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-
4.477-4.920-≤5-PASS

1-N71--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-A
nt1-4.473-4.820-≤5-PASS

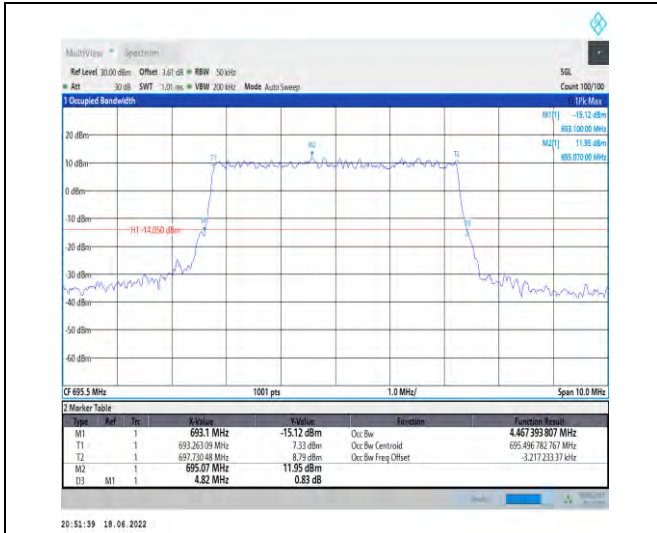


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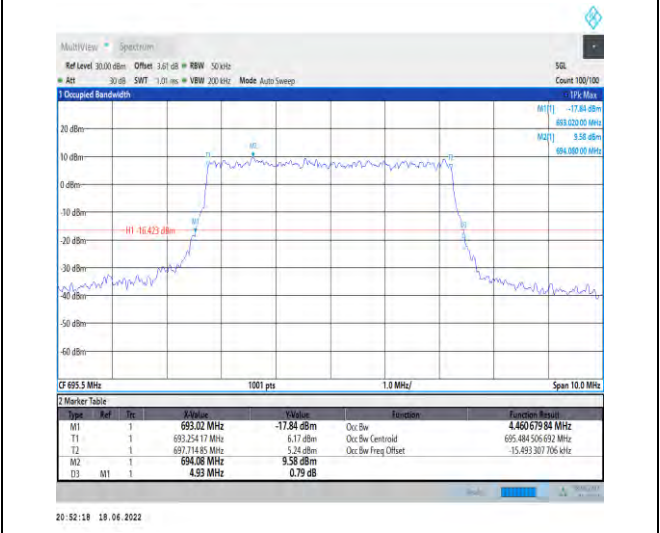
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1-4.467-4.820-≤5-PASS

1-N71--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant
1-4.477-4.890-≤5-PASS



1-N71--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant
t1-4.482-4.910-≤5-PASS

1-N71--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4
.461-4.930-≤5-PASS

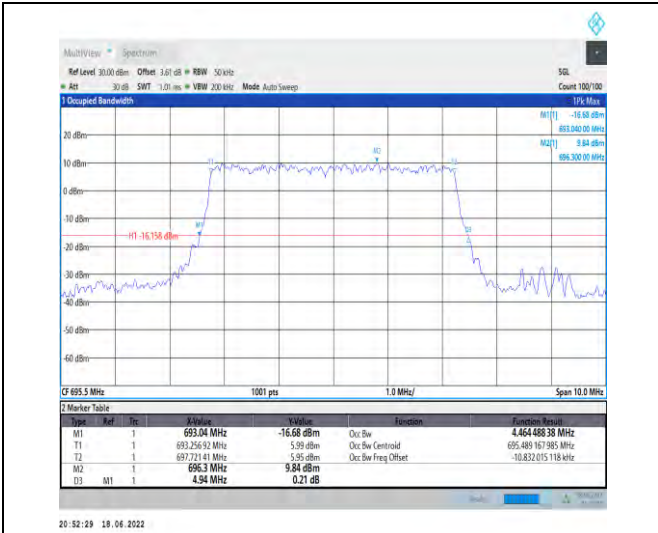


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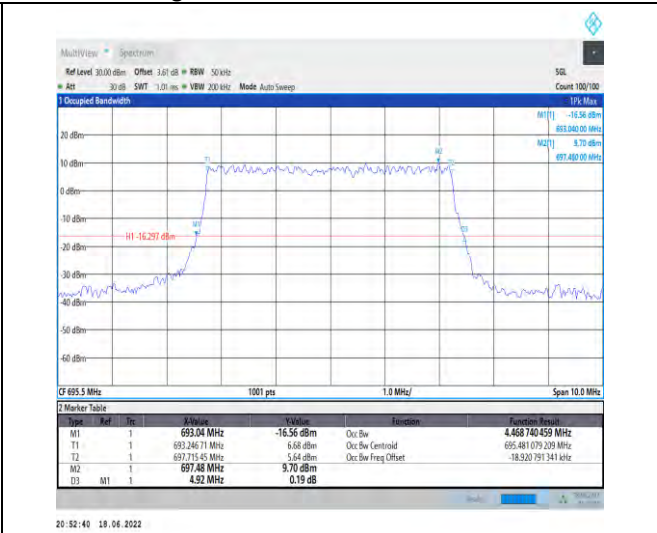
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1-N71--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.469-4.920-≤5-PASS



1-N71--15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.472-4.900-≤5-PASS



1-N71--15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.938-9.620-≤10-PASS

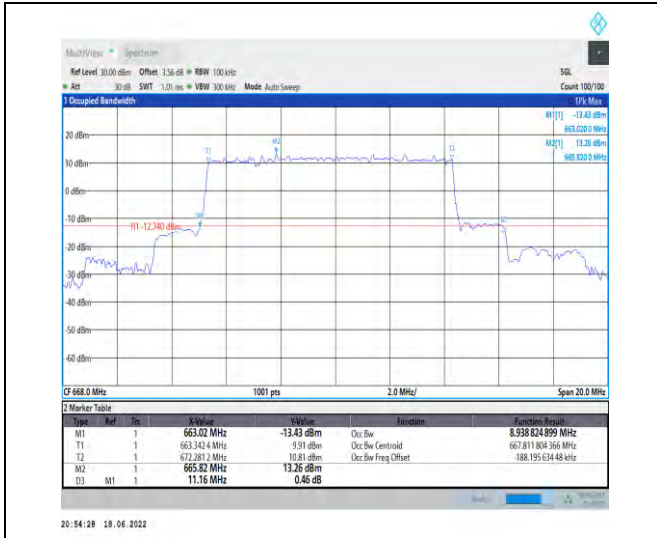


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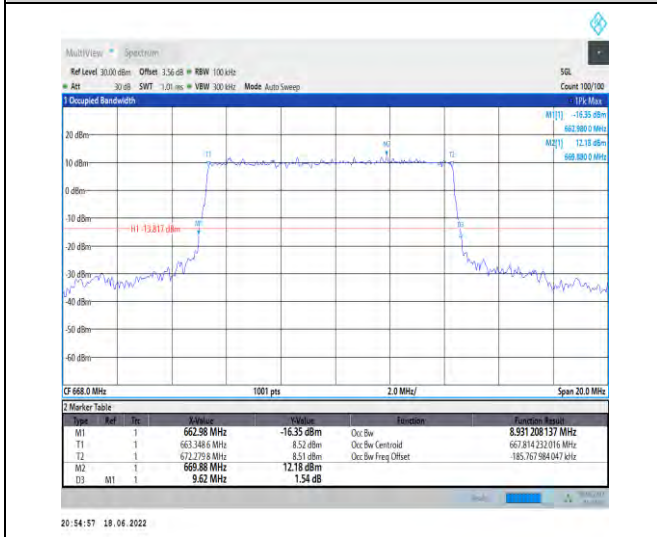
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1-N71--15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-8.939-11.160-≤10-PASS



1-N71--15-10-L-3-DFT-16QAM-Outer_Full-50@0-An
t1-8.948-9.440-≤10-PASS



1-N71--15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant
1-8.931-9.620-≤10-PASS



1-N71--15-10-L-5-DFT-256QAM-Outer_Full-50@0-A
nt1-8.931-9.580-≤10-PASS

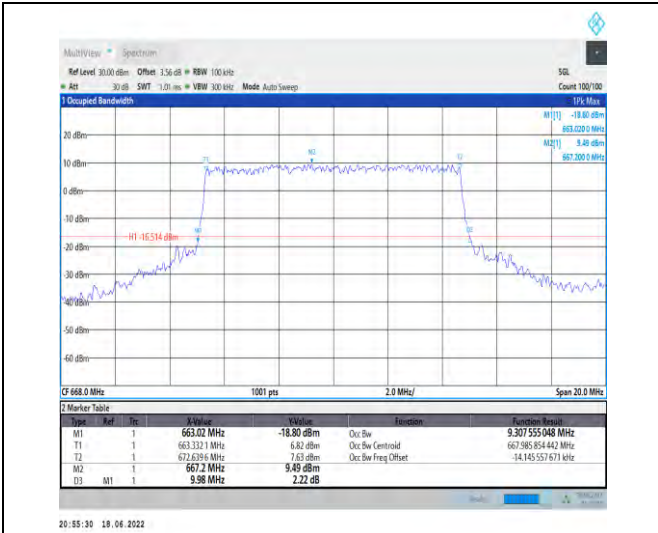


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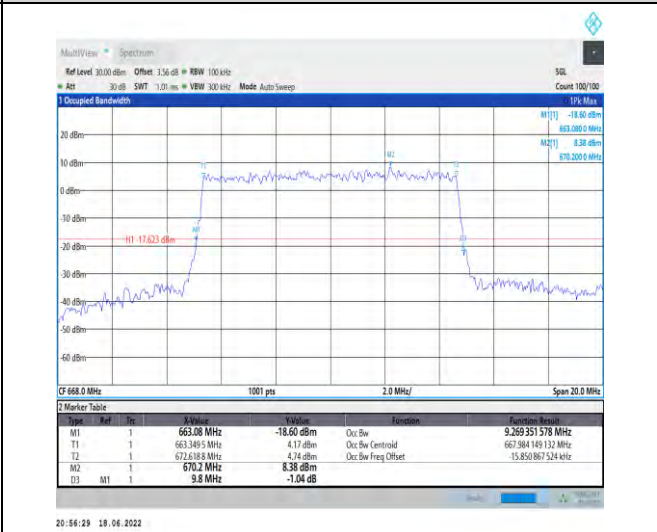
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1-N71--15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9.308-9.980-≤10-PASS

1-N71--15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.278-9.800-≤10-PASS



1-N71--15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.286-9.760-≤10-PASS

1-N71--15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.269-9.800-≤10-PASS



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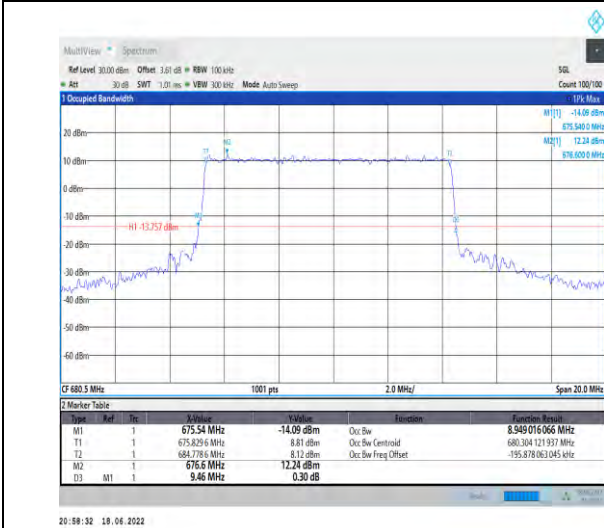
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1-N71--15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant
1-8.933-9.580-≤10-PASS

1-N71--15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.923-9.420-≤10-PASS



1-N71--15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant
t1-8.949-9.460-≤10-PASS

1-N71--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.932-9.520-≤10-PASS



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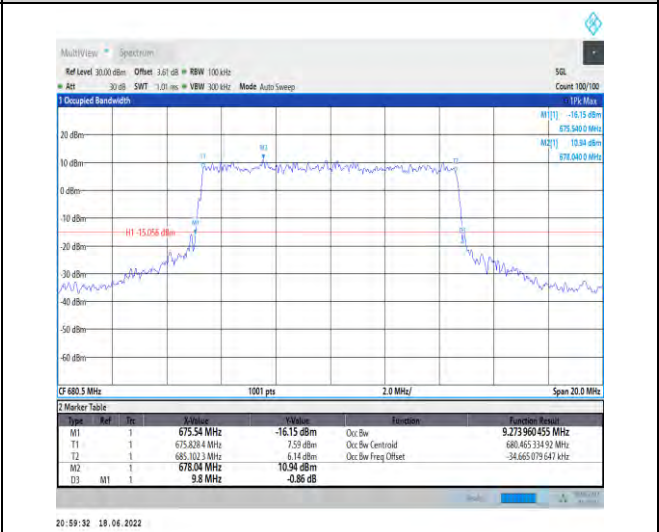
1-N71--15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
nt1-8.943-9.600-≤10-PASS



1-N71--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1
-9.283-9.940-≤10-PASS



1-N71--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant
1-9.273-9.820-≤10-PASS



1-N71--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant
1-9.274-9.800-≤10-PASS



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1-N71--15-10-M-9-CP-256QAM-Outer_Full-52@0-An
t1-9.292-9.820-≤10-PASS



1-N71--15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant
1-8.929-9.500-≤10-PASS



1-N71--15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.908-9.460-≤10-PASS



1-N71--15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.933-9.540-≤10-PASS



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1-N71--15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant
t1-8.934-9.540-≤10-PASS



1-N71--15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant
nt1-8.938-9.580-≤10-PASS



1-N71--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-
9.305-10.020-≤10-PASS



1-N71--15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant
1-9.278-9.920-≤10-PASS



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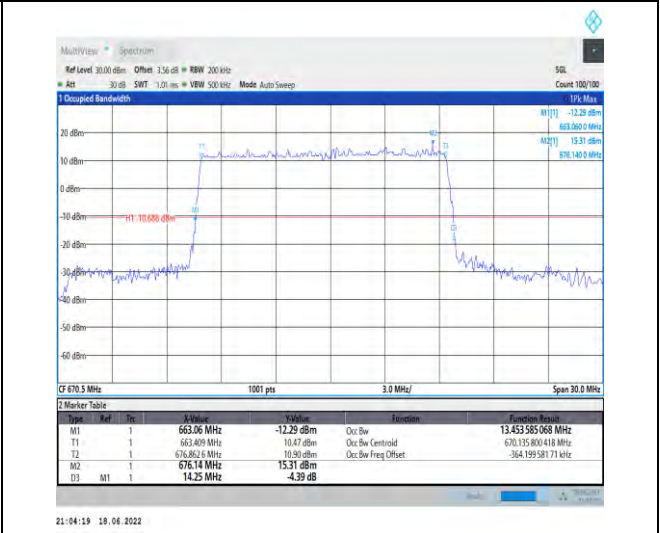
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1-9.29-9.960-≤10-PASS



1-N71--15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant
t1-9.283-9.880-≤10-PASS



1-N71--15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1
-13.502-14.160-≤15-PASS



1-N71--15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1
nt1-13.454-14.250-≤15-PASS



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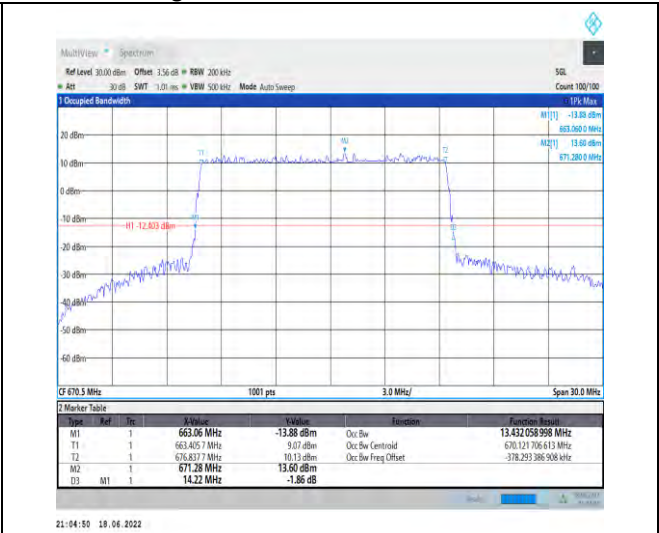
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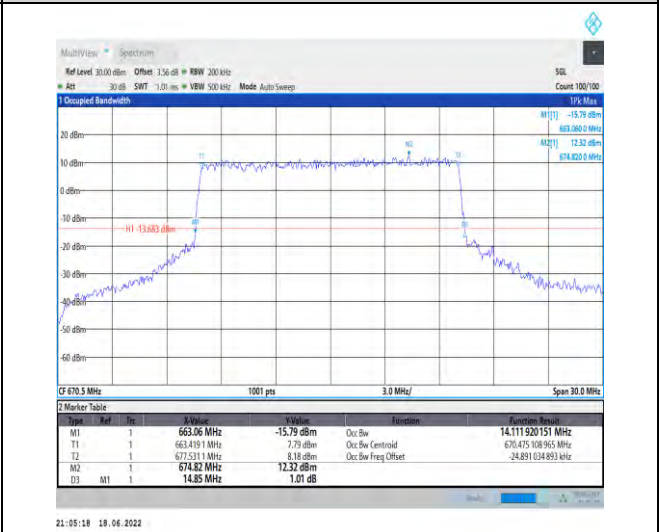
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1-13.458-14.160≤15-PASS



1-N71--15-15-L-4-DFT-64QAM-Outer_Full-75@0-An
t1-13.432-14.220≤15-PASS



1-N71--15-15-L-5-DFT-256QAM-Outer_Full-75@0-A
nt1-13.4-14.100≤15-PASS



1-N71--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1
14.112-14.850≤15-PASS

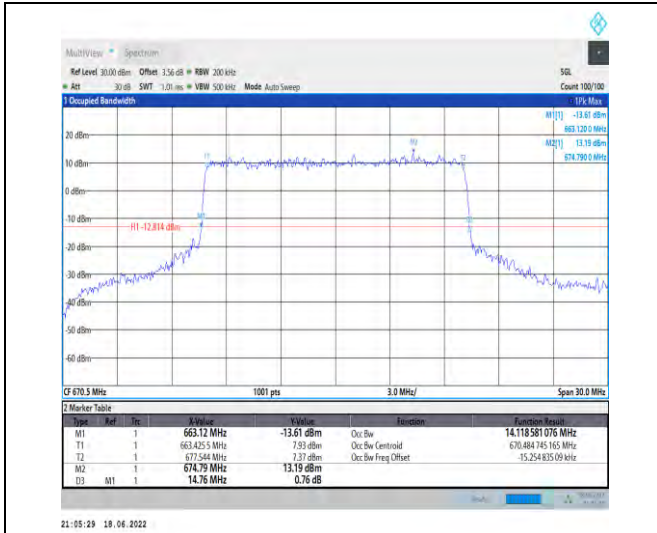


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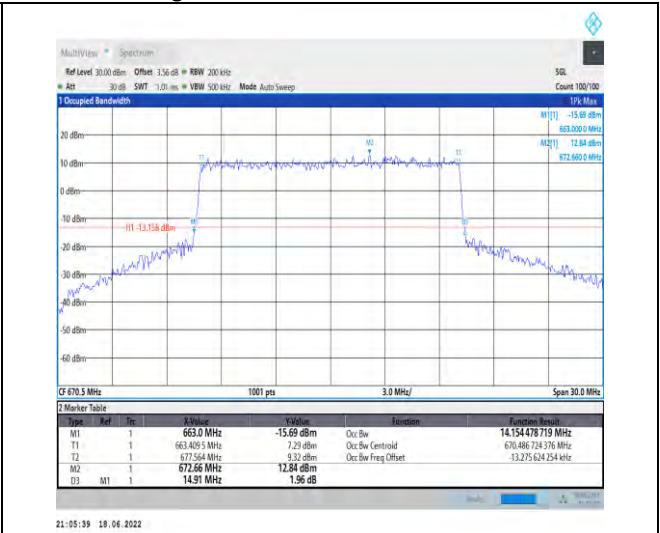
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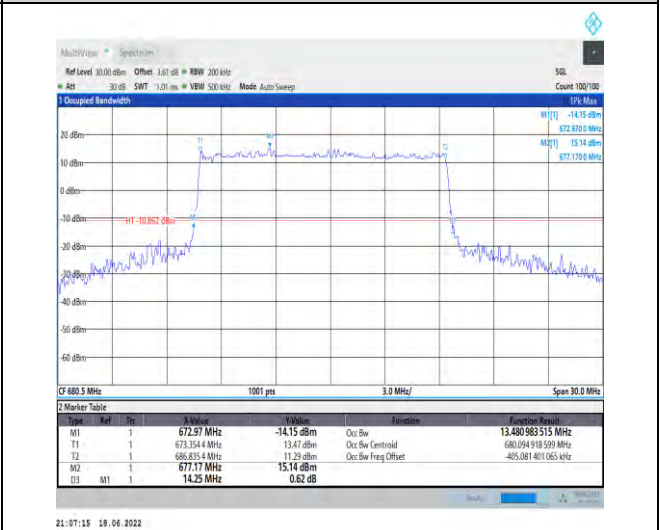
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-14.119-14.760-≤15-PASS



1-N71--15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant
1-14.154-14.910-≤15-PASS



1-N71--15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant
1-14.155-14.850-≤15-PASS



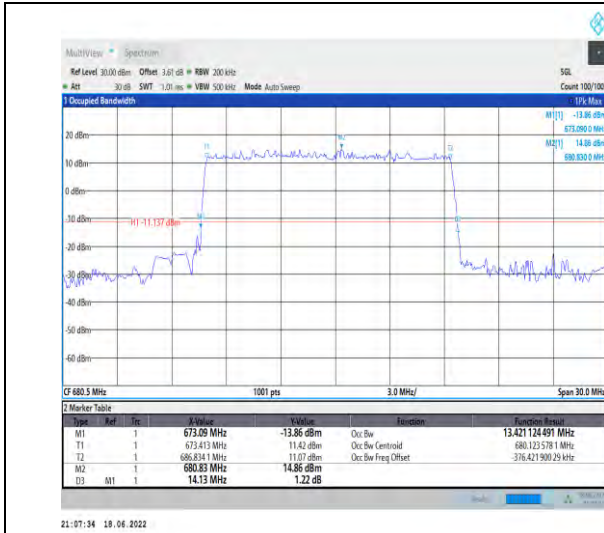
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1-13.481-14.250-≤15-PASS



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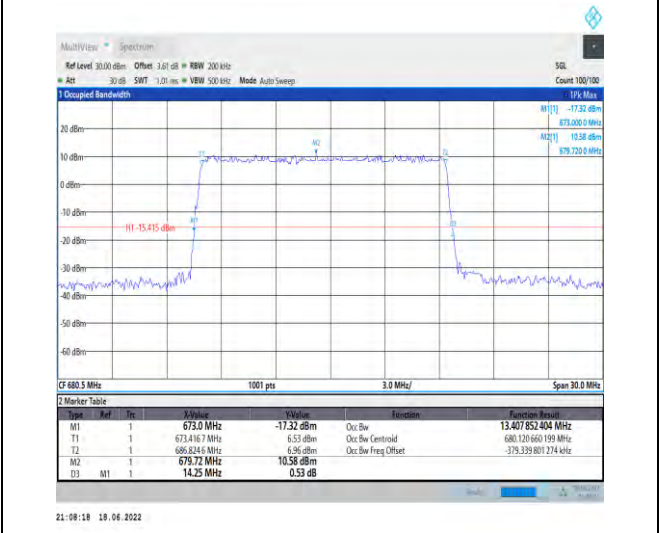
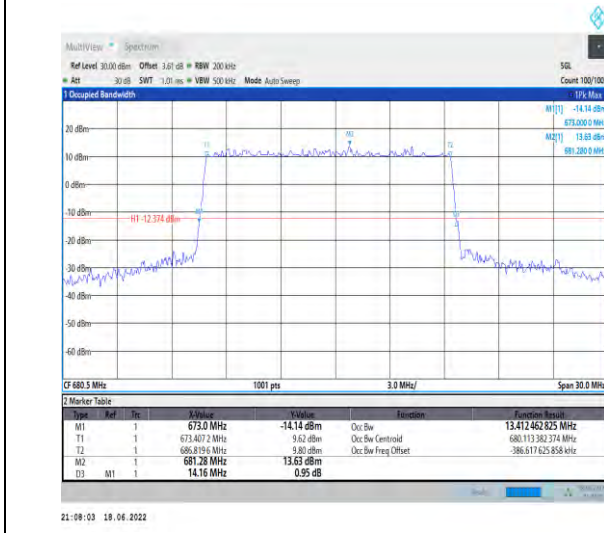
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1-N71--15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.428-14.280-≤15-PASS



1-N71--15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.412-14.160-≤15-PASS

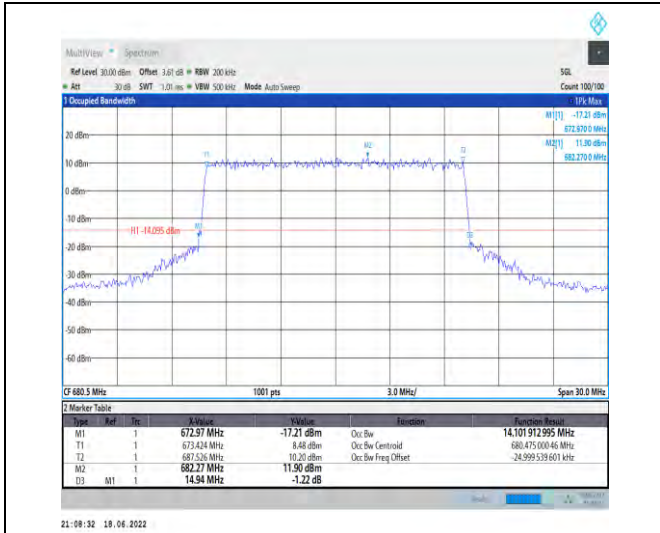
1-N71--15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.408-14.250-≤15-PASS



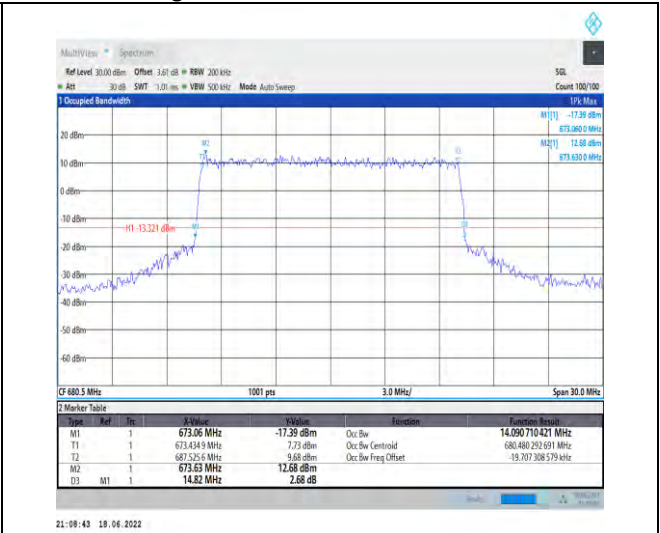
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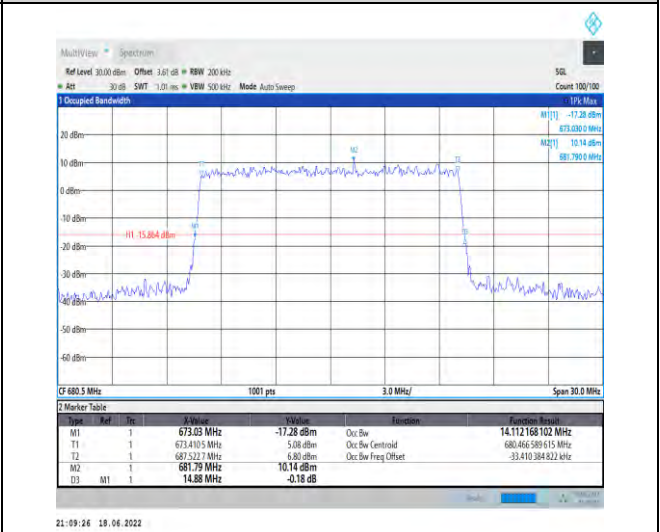
1-N71--15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant-14.102-14.940-≤15-PASS



1-N71--15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant-14.091-14.820-≤15-PASS



1-N71--15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant-14.112-14.760-≤15-PASS



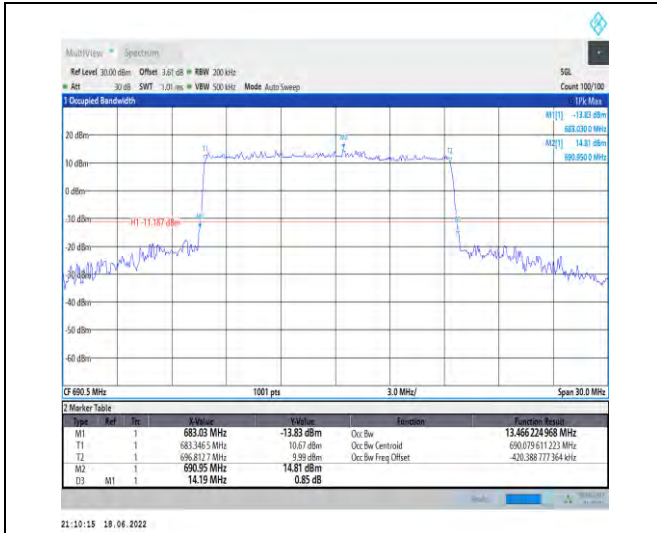
1-N71--15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant-14.112-14.880-≤15-PASS



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1-N71--15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant
t1-13.466-14.190-≤15-PASS



1-N71--15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant
t1-13.417-14.220-≤15-PASS



1-N71--15-15-H-3-DFT-16QAM-Outer_Full-75@0-An
t1-13.43-14.250-≤15-PASS



1-N71--15-15-H-4-DFT-64QAM-Outer_Full-75@0-An
t1-13.414-14.070-≤15-PASS

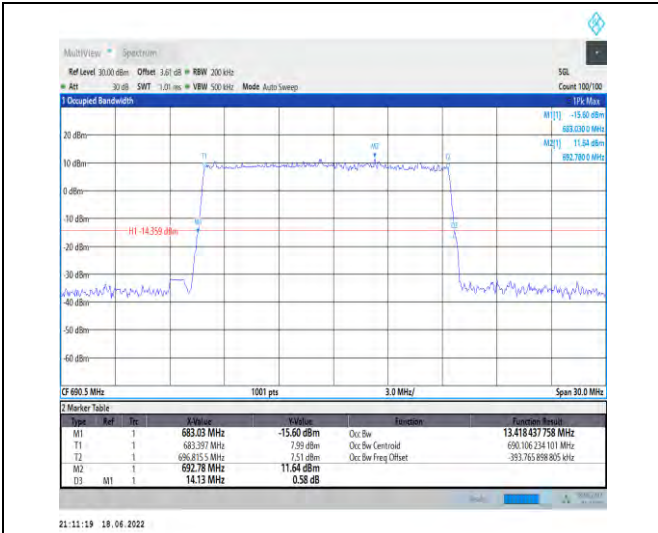


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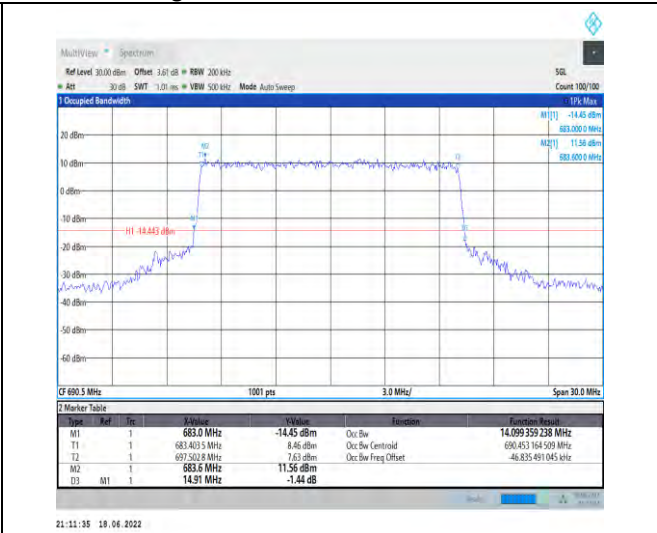
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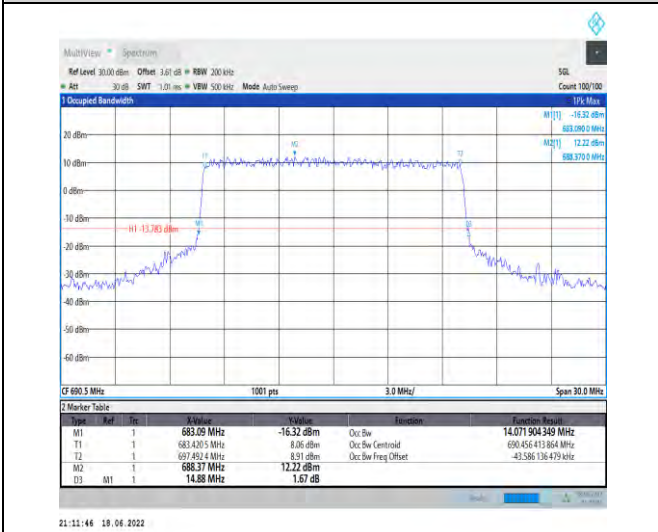
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1-N71--15-15-H-5-DFT-256QAM-Outer_Full-75@0-A
nt1-13.418-14.130-≤15-PASS



1-N71--15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-
14.099-14.910-≤15-PASS



1-N71--15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant
1-14.072-14.880-≤15-PASS



1-N71--15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant
1-14.129-15.000-≤15-PASS



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1-N71--15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant
t1-14.122-14.880-≤15-PASS



1-N71--15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.857-18.720-≤20-PASS



1-N71--15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant
1-17.862-18.680-≤20-PASS



1-N71--15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant
1-17.876-18.680-≤20-PASS



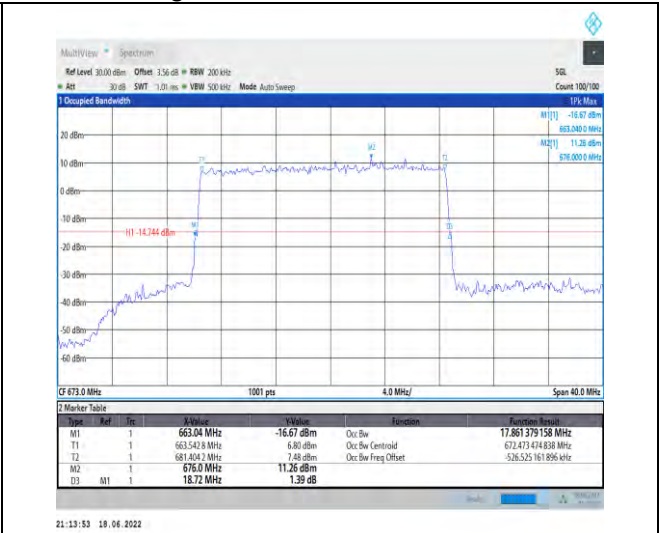
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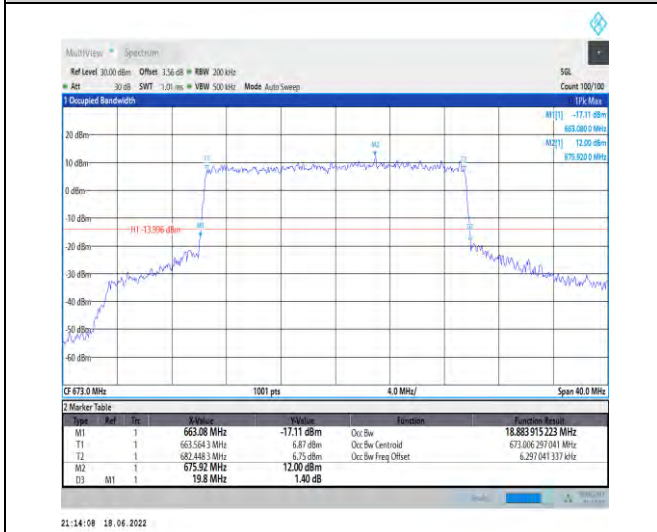
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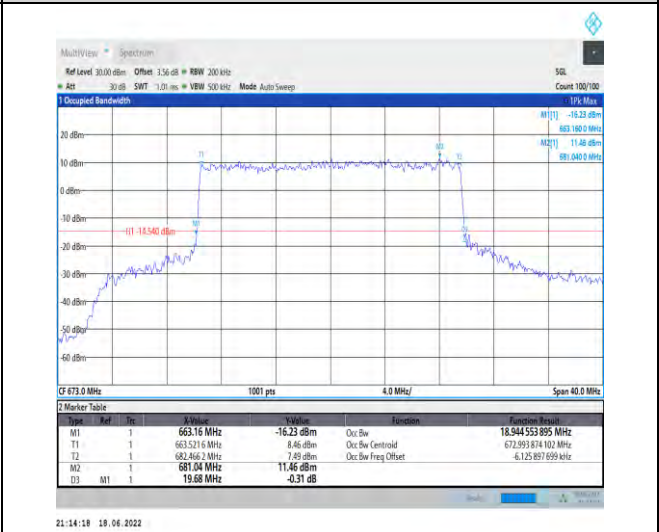
1-N71--15-20-L-4-DFT-64QAM-Outer_Full-100@0-A
nt1-17.84-18.640-≤20-PASS



1-N71--15-20-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.861-18.720-≤20-PASS



1-N71--15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1
-18.884-19.800-≤20-PASS



1-N71--15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1-18.945-19.680-≤20-PASS



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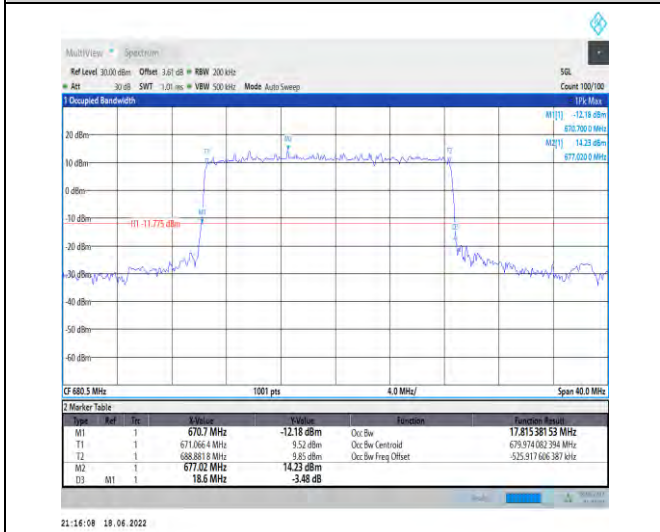
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1-N71--15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant
1-18.926-19.760-<20-PASS



1-N71--15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant
1-18.891-19.760-<20-PASS



1-N71--15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant
1-17.815-18.600-<20-PASS



1-N71--15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant
1-17.79-18.680-<20-PASS



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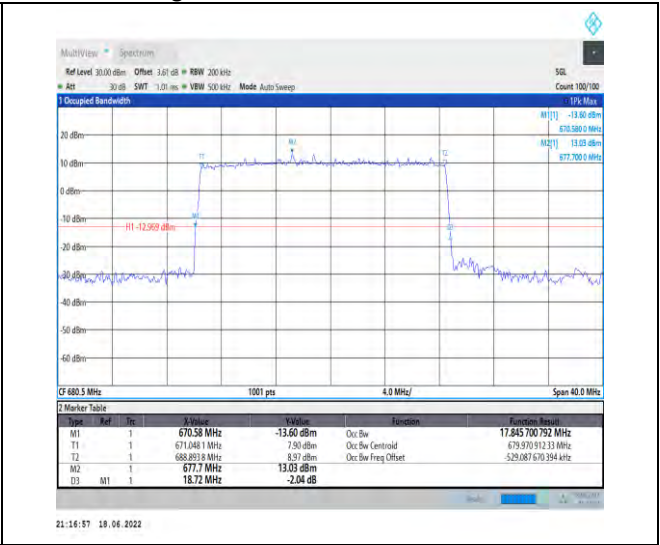
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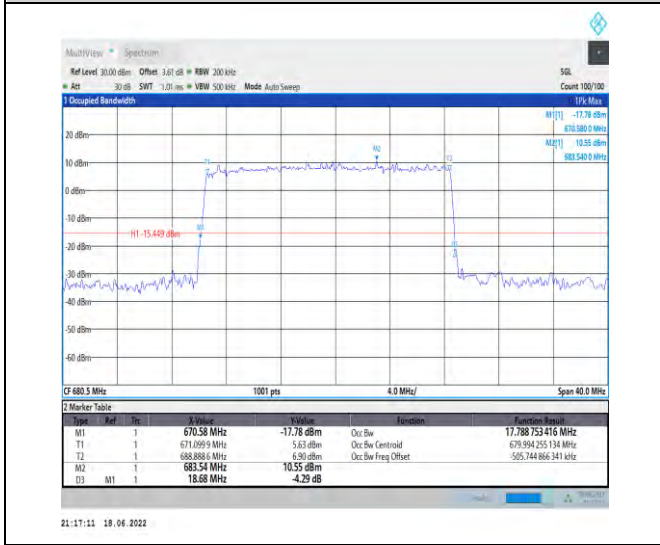
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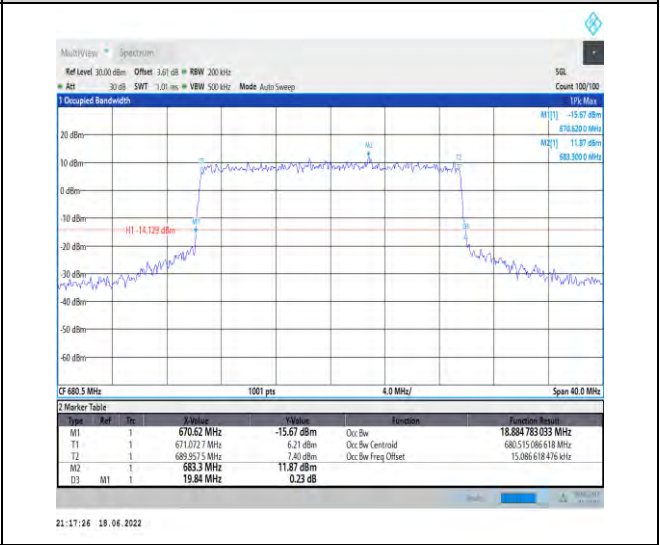
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nt1-17.859-18.840-≤20-PASS



1-N71--15-20-M-4-DFT-64QAM-Outer_Full-100@0-A
Ant1-17.846-18.720-≤20-PASS



1-N71--15-20-M-5-DFT-256QAM-Outer_Full-100@0-A
Ant1-17.789-18.680-≤20-PASS



1-N71--15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant
1-18.885-19.840-≤20-PASS

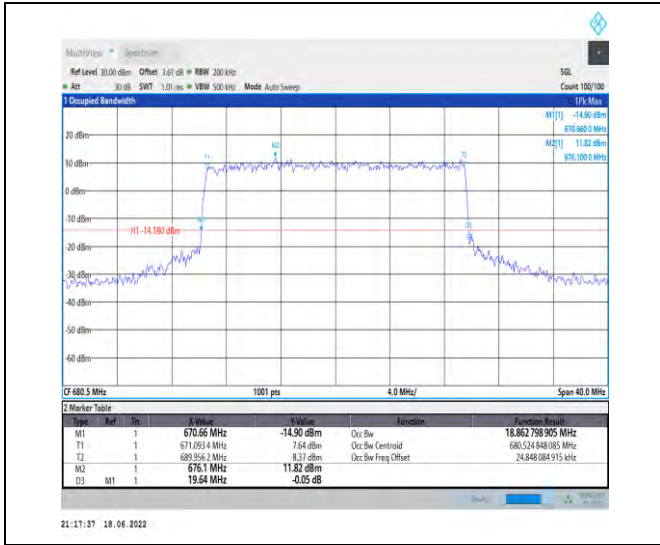


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1-N71--15-20-M-7-CP-16QAM-Outer_Full-106@0-An
t1-18.863-19.640-≤ 20-PASS



1-N71--15-20-M-8-CP-64QAM-Outer_Full-106@0-A
nt1-18.909-19.840-≤ 20-PASS



1-N71--15-20-M-9-CP-256QAM-Outer_Full-106@0-A
nt1-18.866-19.760-≤ 20-PASS



1-N71--15-20-H-1-DFT-QPSK-Outer_Full-100@0-An
t1-17.858-18.520-≤ 20-PASS



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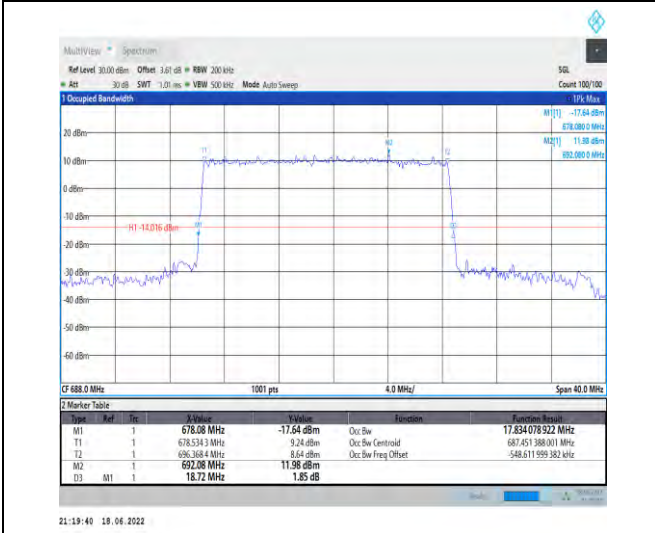
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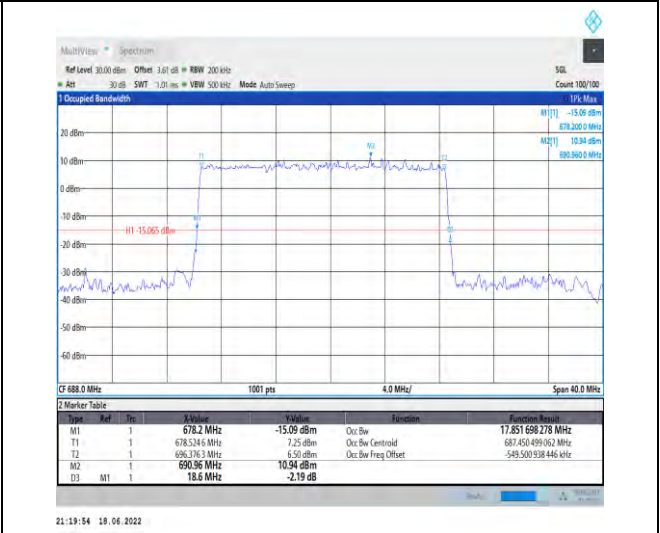
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1-N71--15-20-H-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.86-18.680-≤20-PASS



1-N71--15-20-H-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.834-18.720-≤20-PASS



1-N71--15-20-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.852-18.600-≤20-PASS



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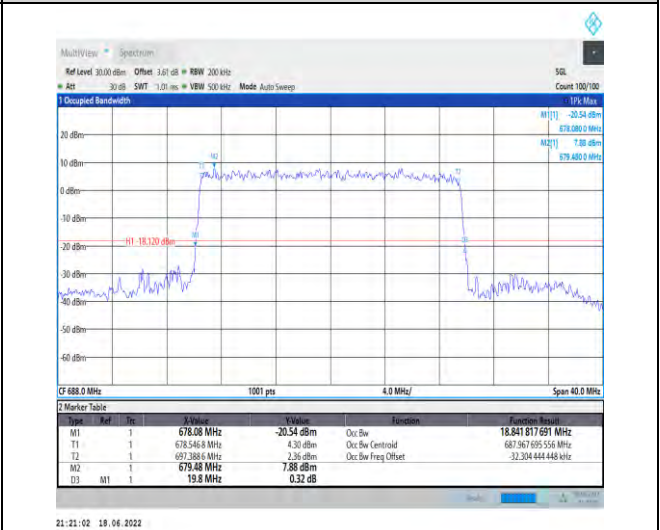
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t1-18.851-19.760-≤20-PASS



1-N71--15-20-H-7-CP-16QAM-Outer_Full-106@0-An
t1-18.882-19.760-≤20-PASS



1-N71--15-20-H-8-CP-64QAM-Outer_Full-106@0-An
t1-18.893-19.760-≤20-PASS



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t1-18.842-19.800-≤20-PASS



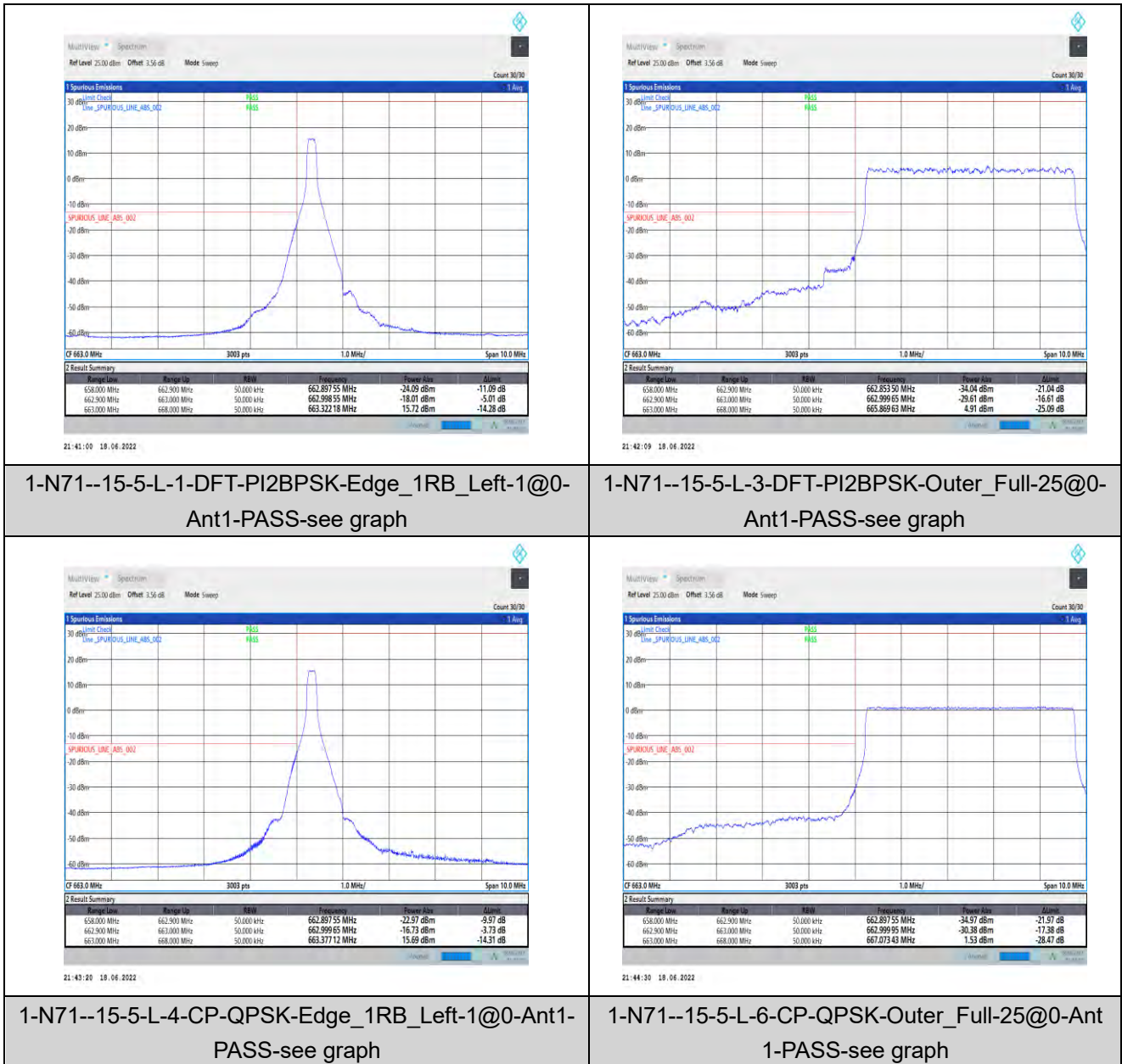
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Band Edge for SA

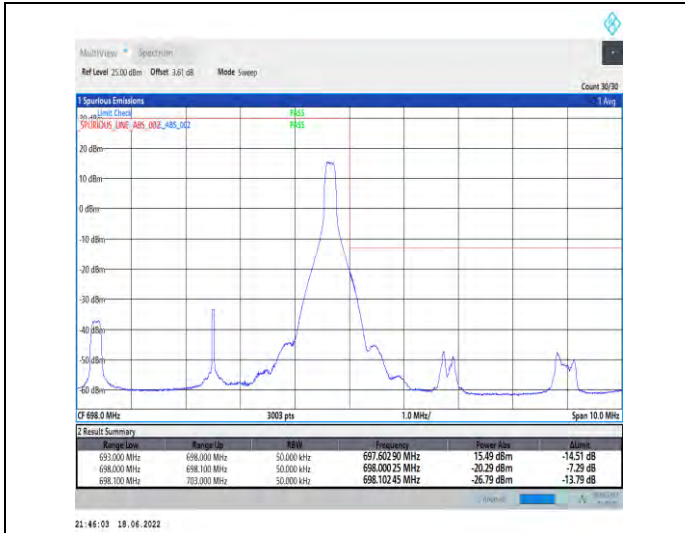
Test Graphs



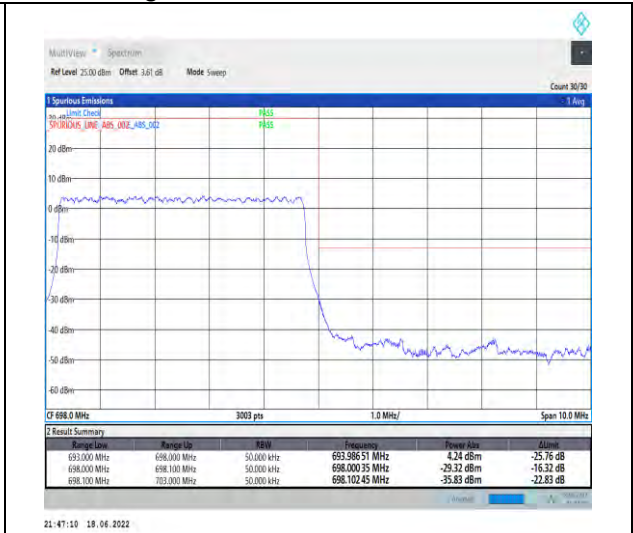
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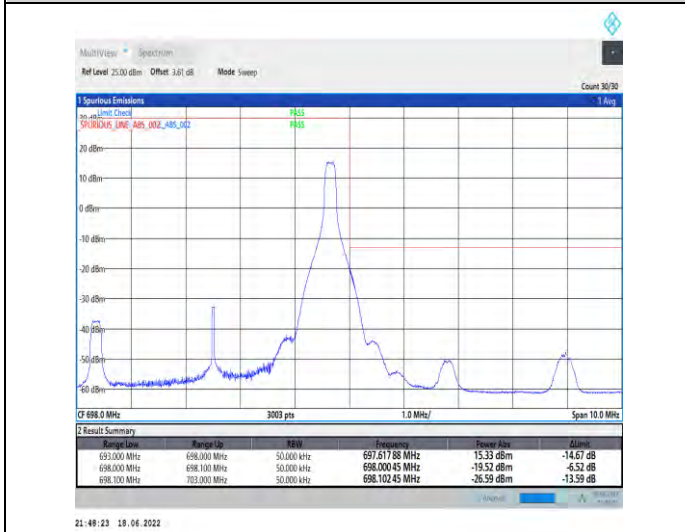
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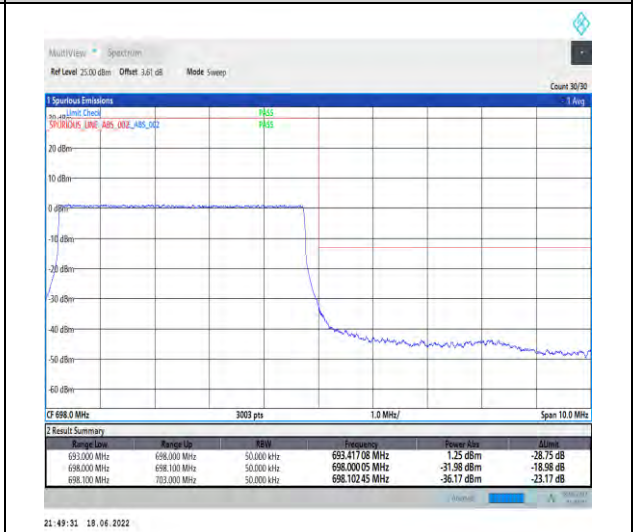
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4-Ant1-PASS-see graph



1-N71--15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0
-Ant1-PASS-see graph



1-N71--15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-A
nt1-PASS-see graph

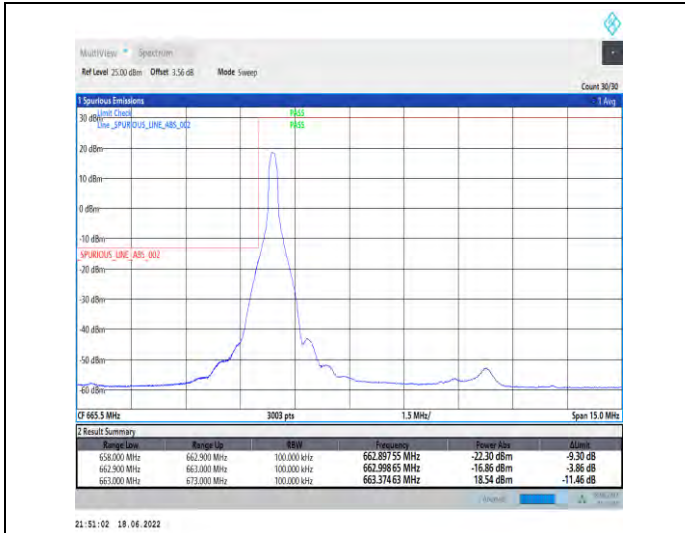


1-N71--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant
1-PASS-see graph



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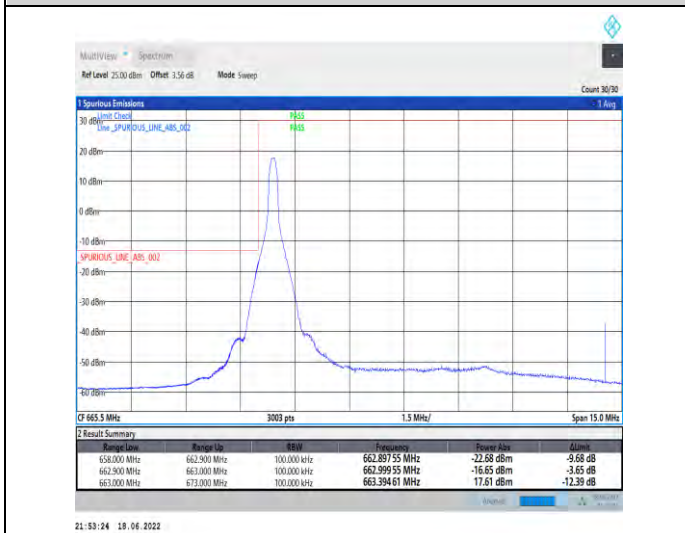
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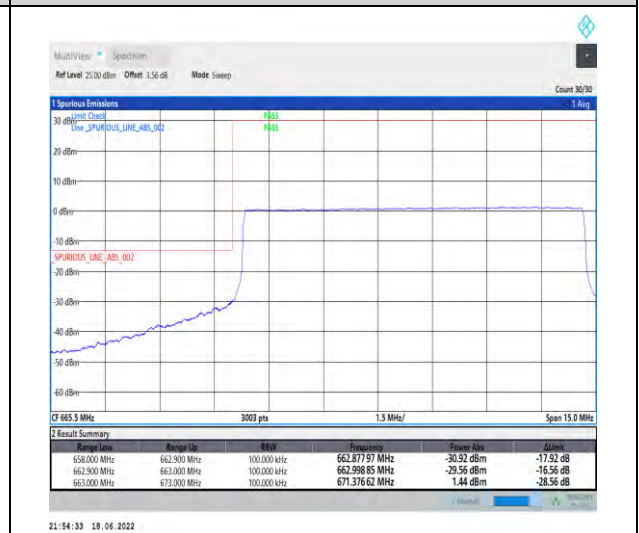
1-N71--15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N71--15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph



1-N71--15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph

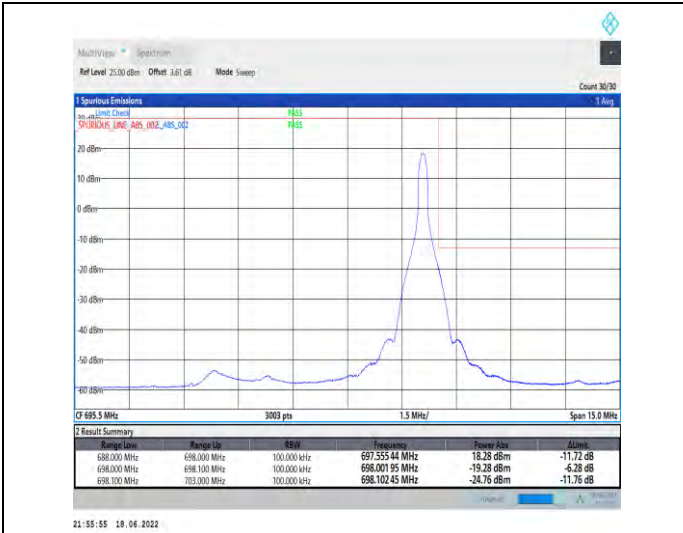


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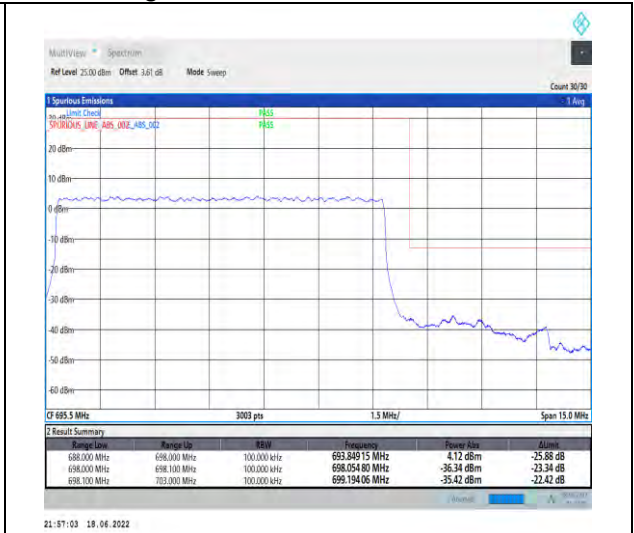


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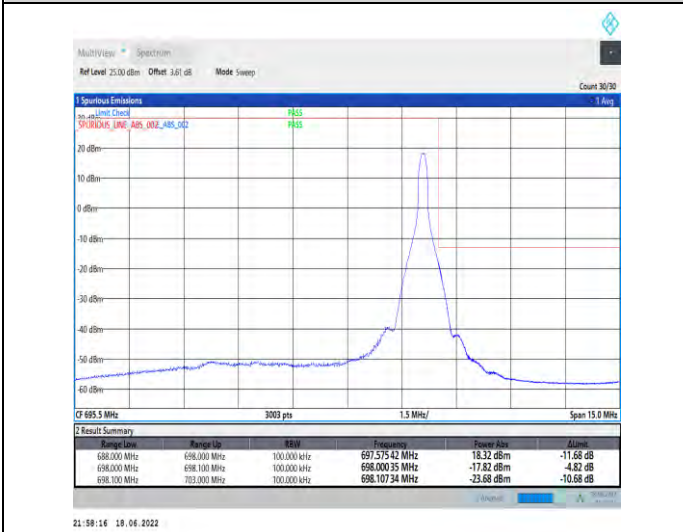
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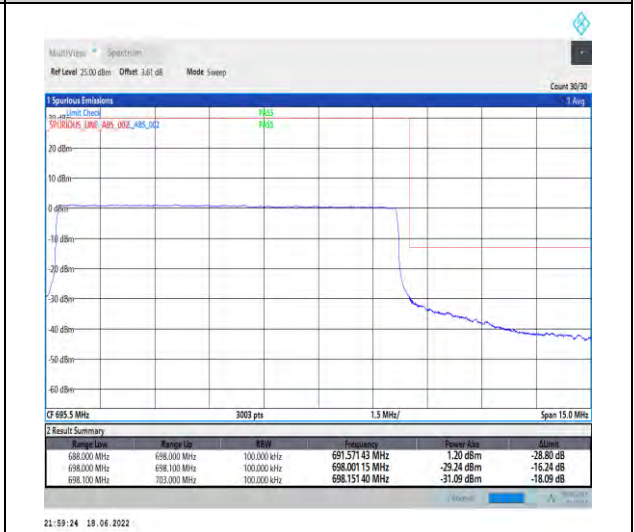
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1-N71--15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph



1-N71--15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-PASS-see graph

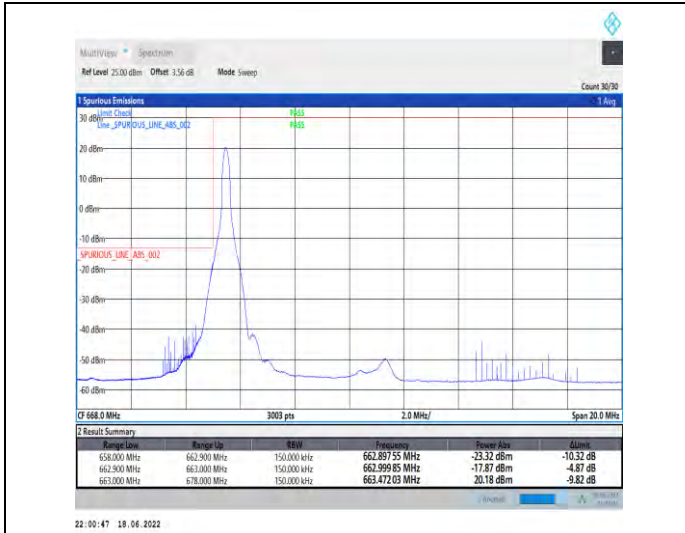


1-N71--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph



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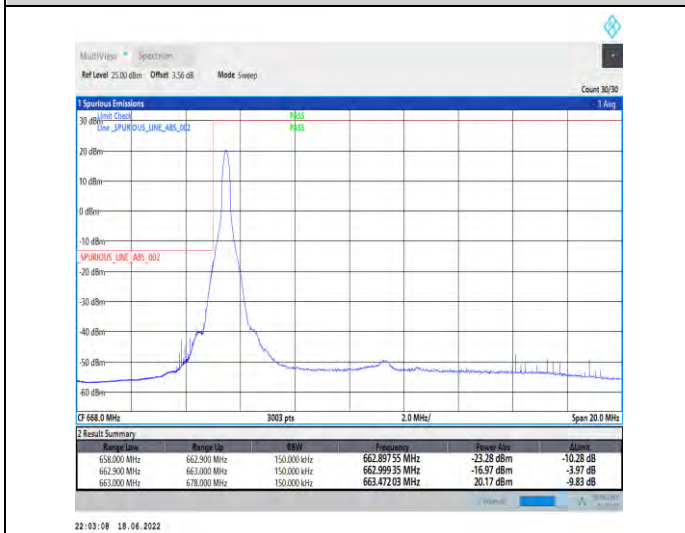
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1-N71--15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N71--15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-PASS-see graph



1-N71--15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N71--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-PASS-see graph

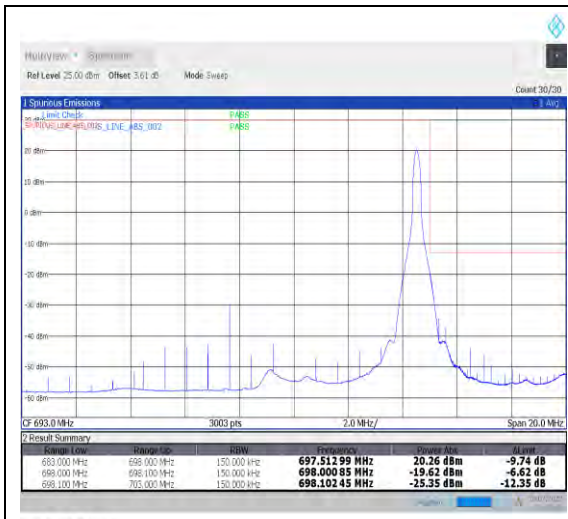


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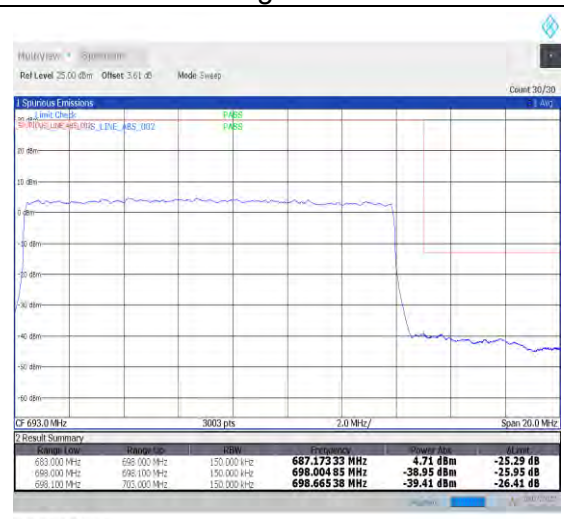
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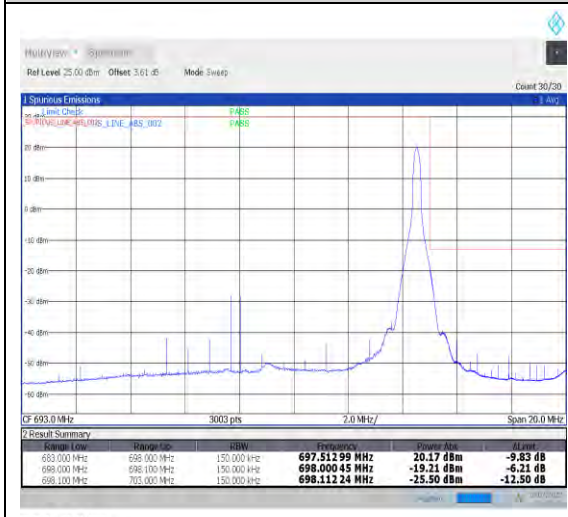
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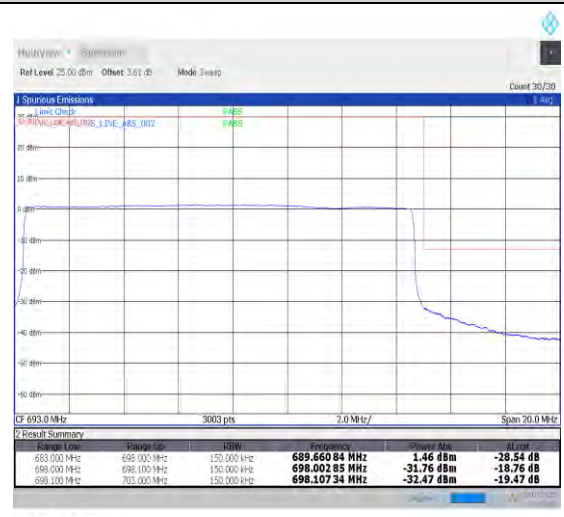
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1-N71-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-PASS-see graph



1-N71-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-PASS-see graph



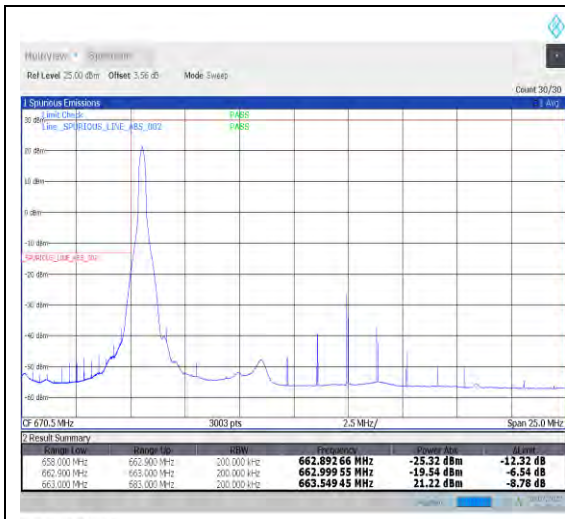
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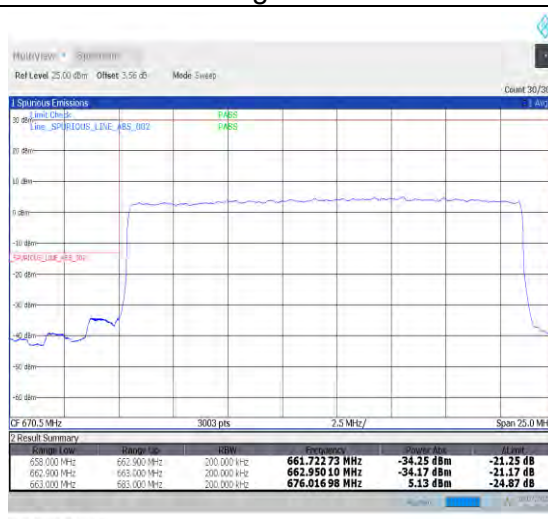
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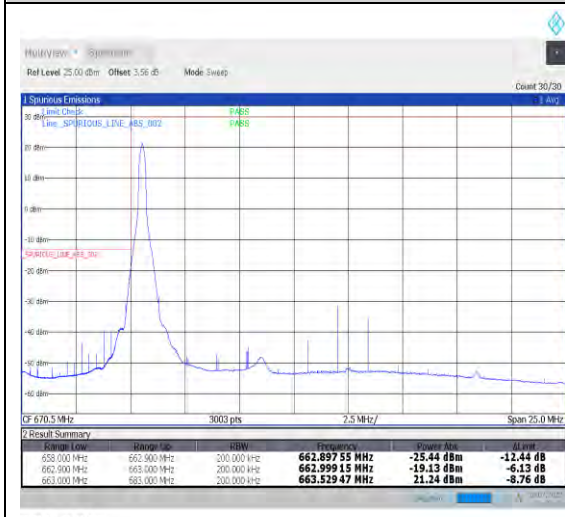
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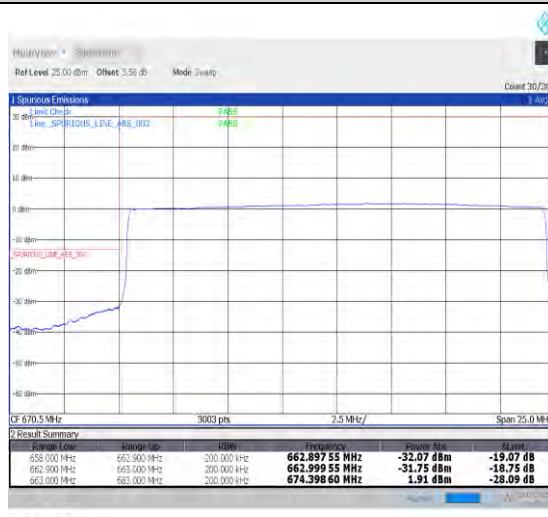
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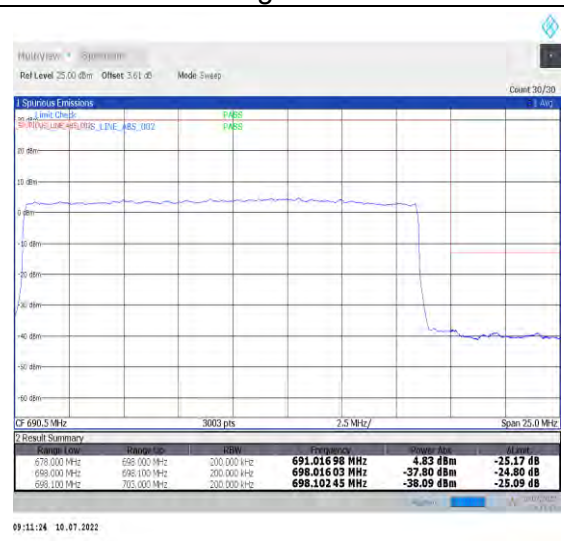
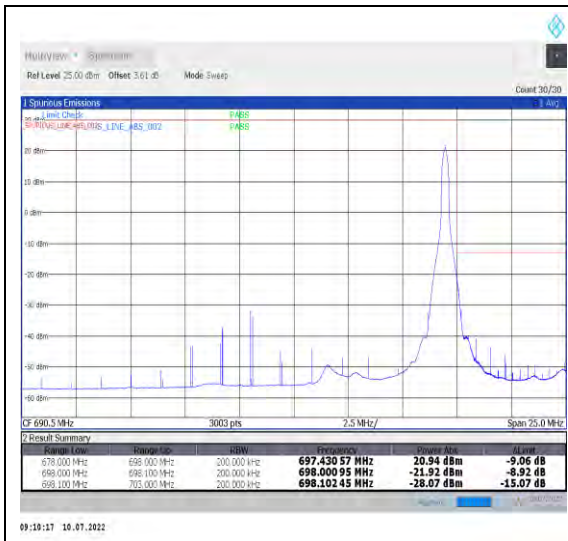
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1-N71-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-PASS-see graph



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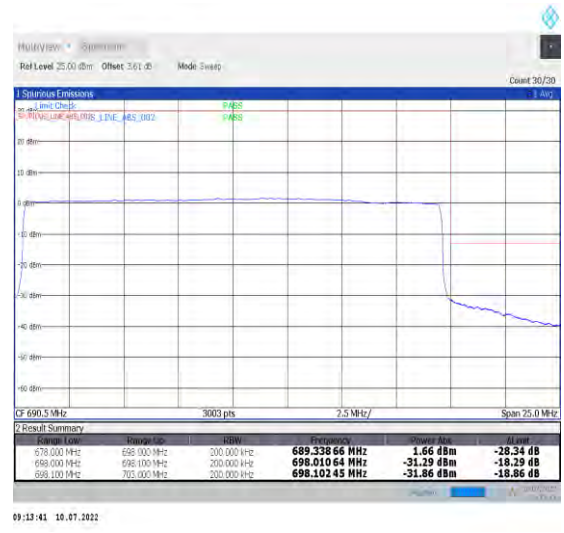
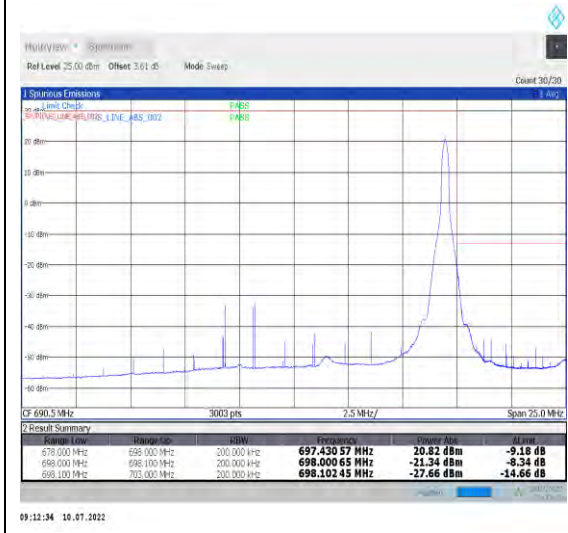
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1-N71-PC3-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-PASS-see graph

1-N71-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-PASS-see graph



1-N71-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-PASS-see graph

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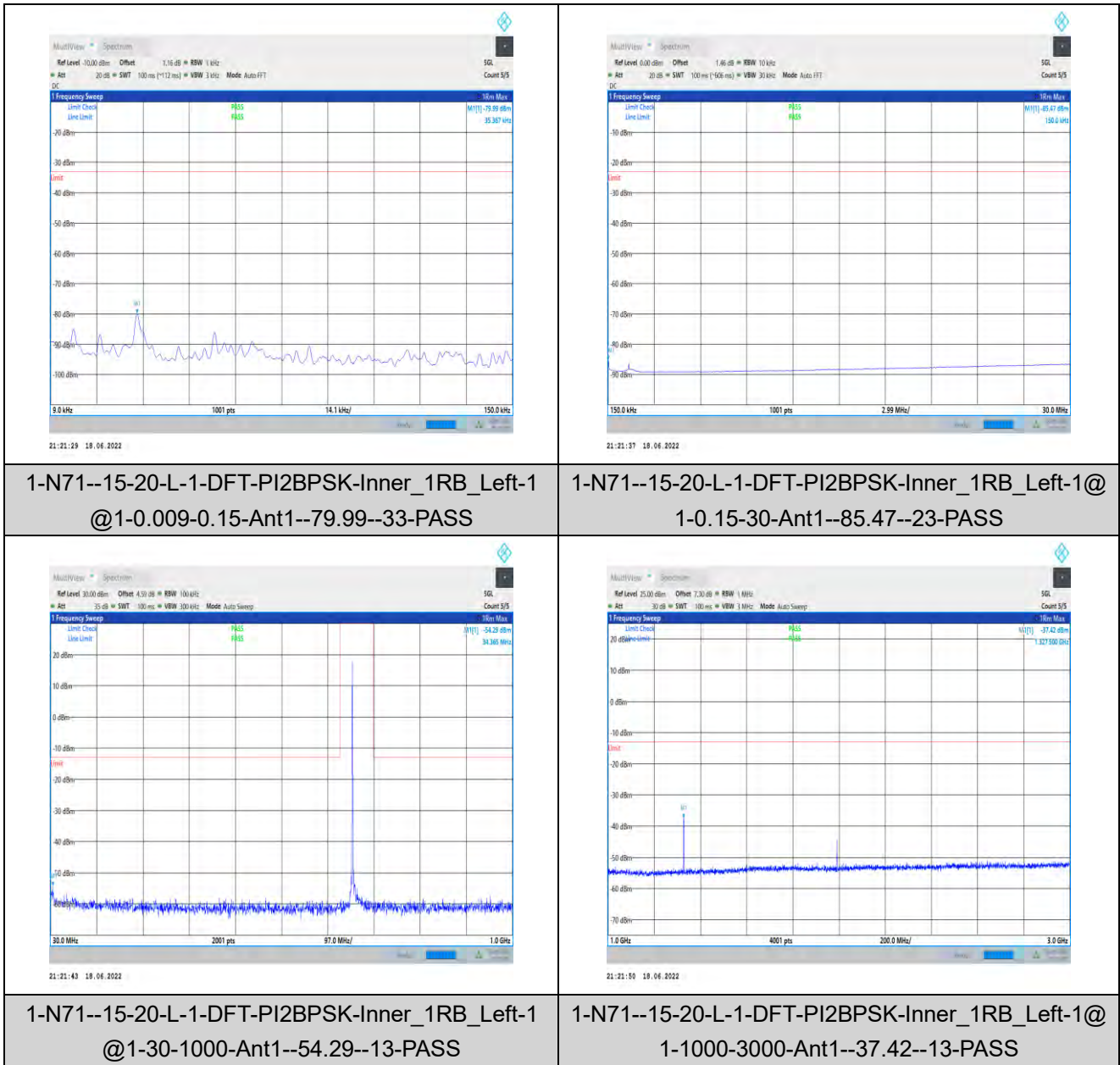
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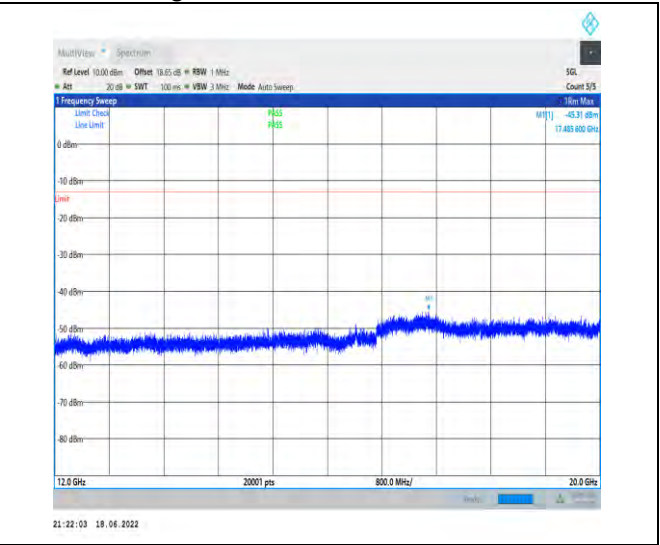
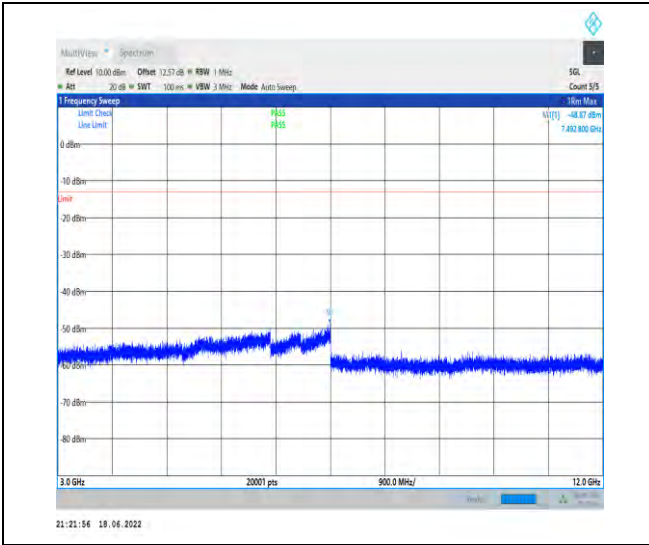
Test Graphs



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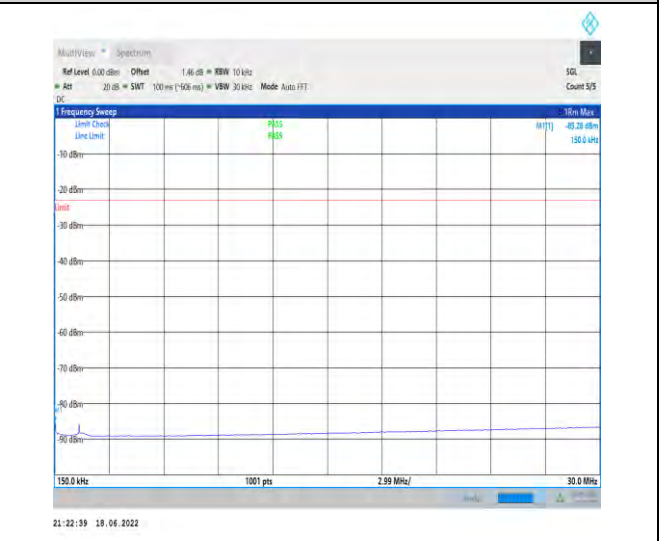
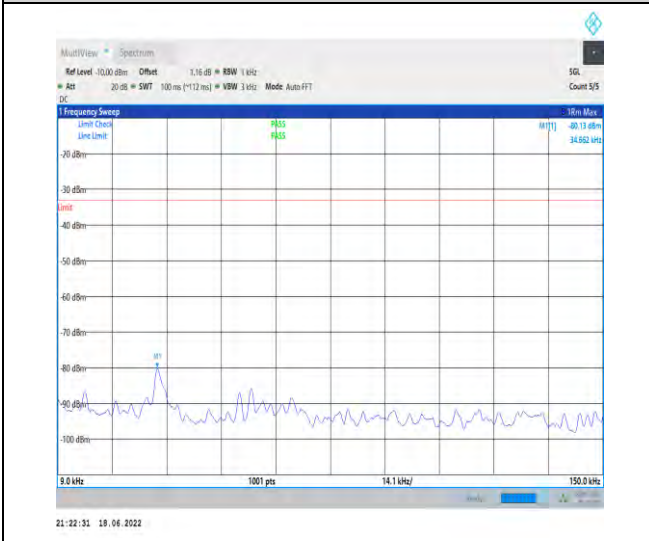
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1-N71--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant1--48.87--13-PASS

1-N71--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant1--45.31--13-PASS



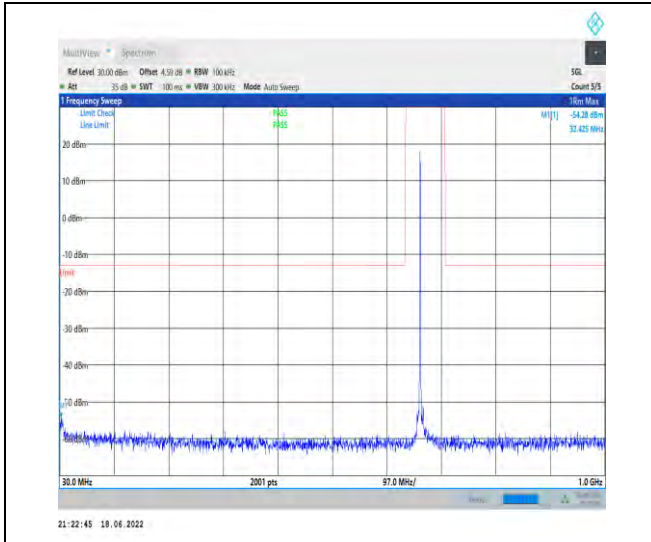
1-N71--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.009-0.15-Ant1--80.13--33-PASS

1-N71--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.15-30-Ant1--85.28--23-PASS

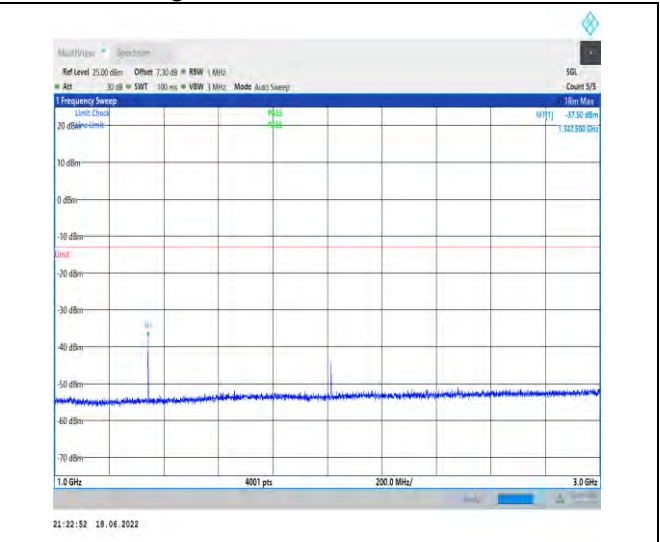


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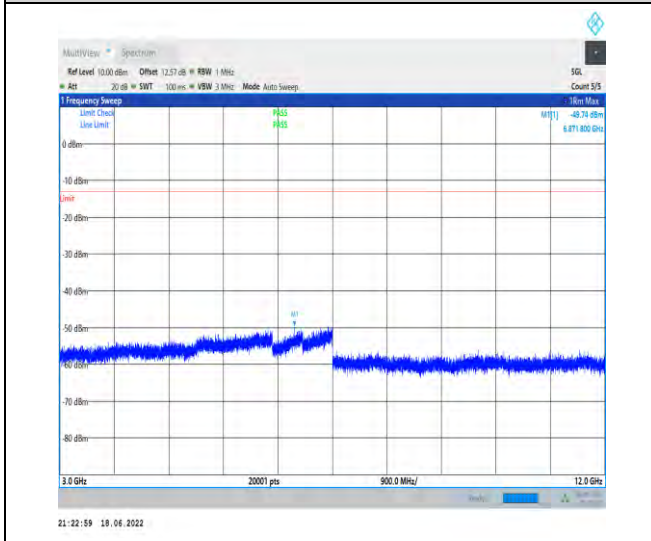
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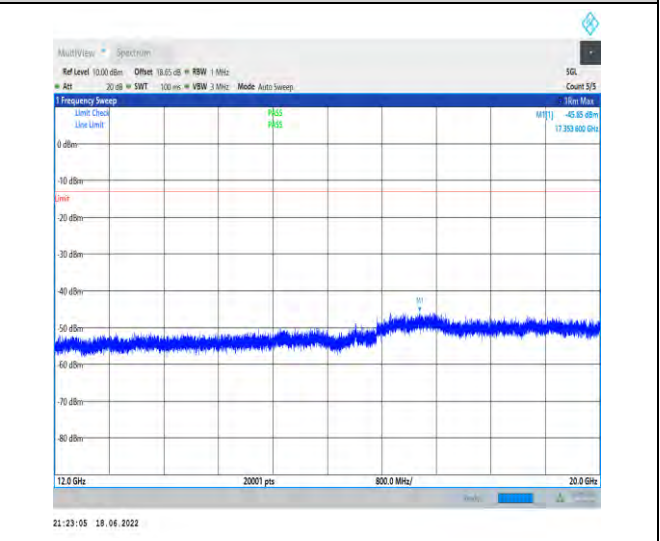
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@1-30-1000-Ant1--54.28--13-PASS



1-N71--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-1000-3000-Ant1--37.50--13-PASS



1-N71--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant1--49.74--13-PASS



1-N71--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-12000-20000-Ant1--45.85--13-PASS



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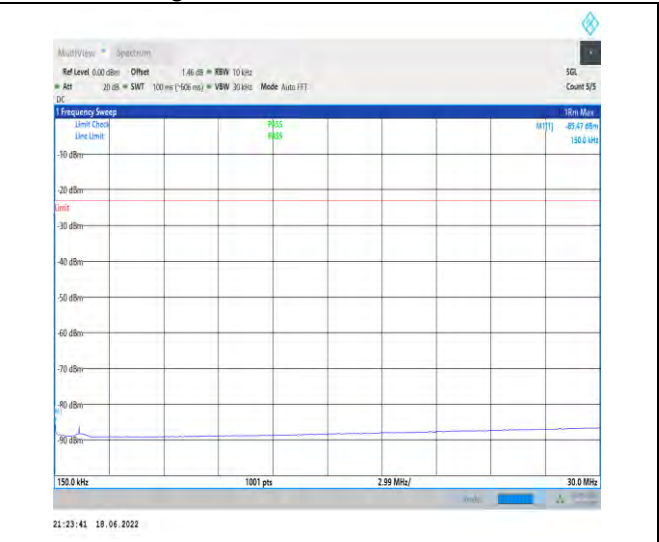
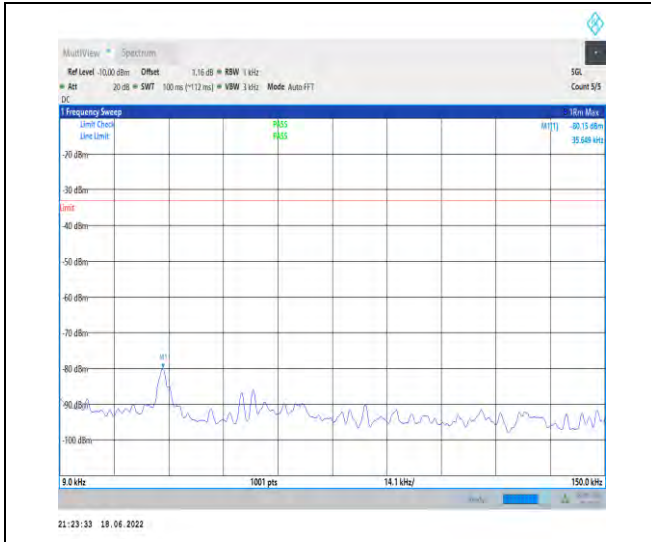
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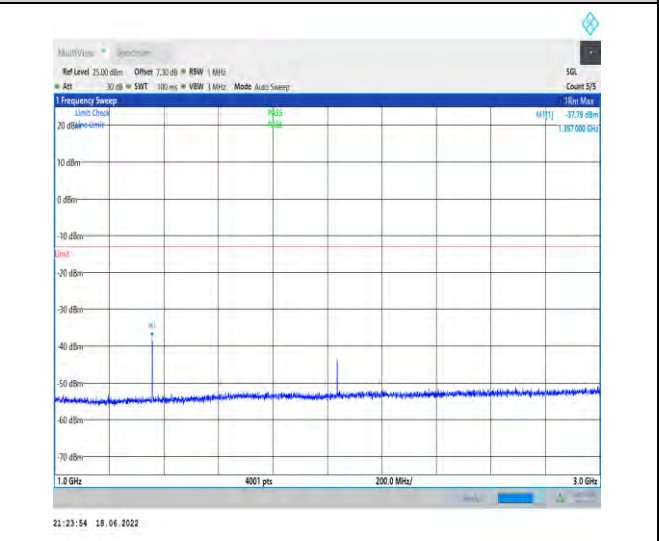
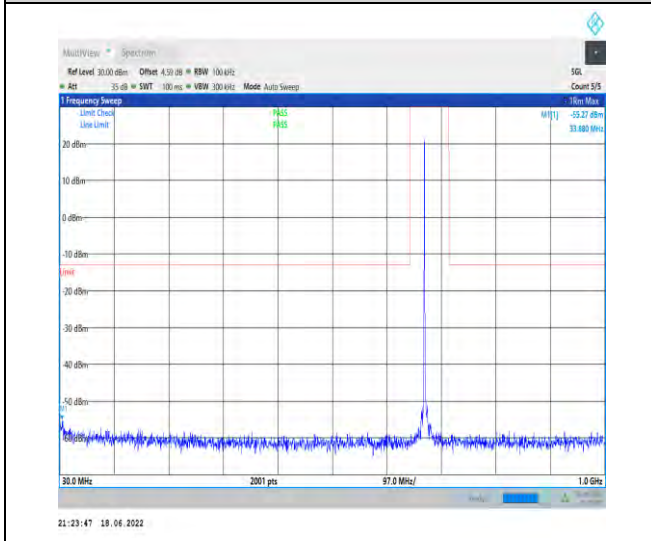
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1-N71--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.009-0.15-Ant1--80.15--33-PASS

1-N71--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.15-30-Ant1--85.47--23-PASS



1-N71--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-30-1000-Ant1--55.27--13-PASS

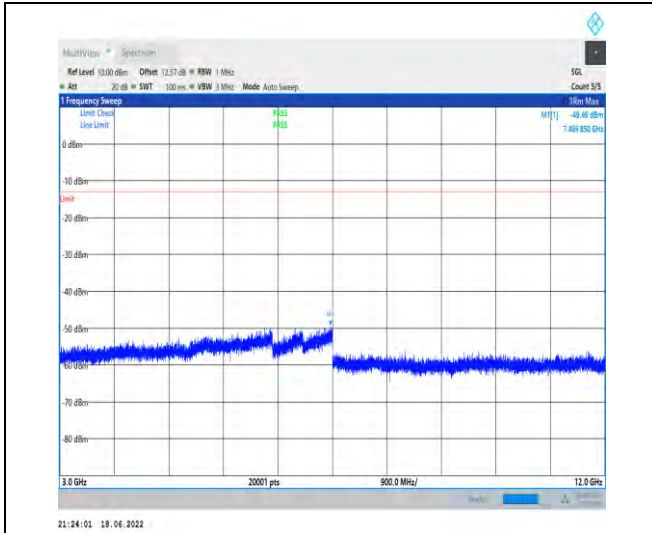
1-N71--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-1000-3000-Ant1--37.79--13-PASS



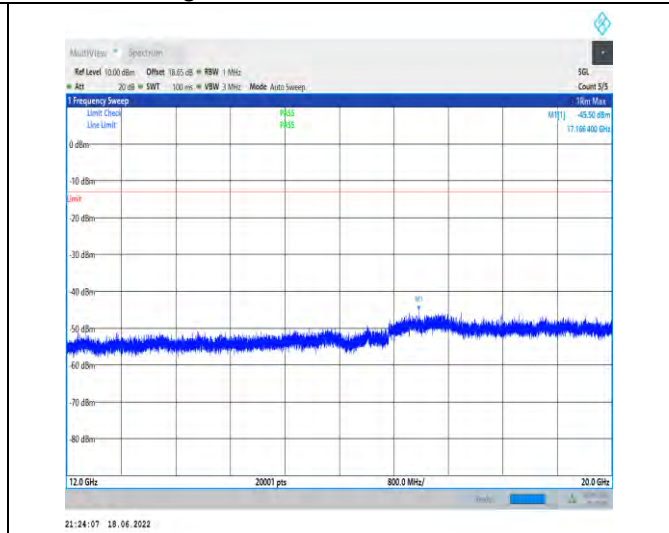
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1-N71--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant1--49.49--13-PASS



1-N71--15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-12000-20000-Ant1--45.50--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band71_ 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	1328.1800	52.75	-117.74	-64.99	-13.00	51.99	136	337	Horizontal
2	1992.2700	50.85	-116.58	-65.73	-13.00	52.73	154	125	Horizontal
3	2656.3600	50.79	-114.05	-63.26	-13.00	50.26	185	352	Horizontal
4	3320.4500	50.88	-112.38	-61.50	-13.00	48.50	194	316	Horizontal
5	3984.5400	50.50	-110.70	-60.20	-13.00	47.20	172	42	Horizontal
6	4648.6300	49.10	-109.20	-60.10	-13.00	47.10	255	316	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.1800	52.22	-117.74	-65.52	-13.00	52.52	154	125	Vertical
2	1992.2700	50.46	-116.58	-66.12	-13.00	53.12	255	236	Vertical
3	2656.3600	50.18	-114.05	-63.87	-13.00	50.87	164	190	Vertical
4	3320.4500	50.24	-112.38	-62.14	-13.00	49.14	191	9	Vertical
5	3984.5400	51.26	-110.70	-59.44	-13.00	46.44	172	212	Vertical
6	4648.6300	48.35	-109.20	-60.85	-13.00	47.85	230	317	Vertical



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Test Band = SA Band71_ 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	1343.1800	54.34	-117.72	-63.38	-13.00	50.38	225	351	Horizontal
2	2014.7700	51.37	-116.44	-65.07	-13.00	52.07	161	337	Horizontal
3	2686.3600	50.56	-114.03	-63.47	-13.00	50.47	233	189	Horizontal
4	3357.9500	50.31	-112.38	-62.07	-13.00	49.07	201	358	Horizontal
5	4029.5400	49.39	-110.53	-61.14	-13.00	48.14	236	147	Horizontal
6	4701.1300	47.76	-109.04	-61.28	-13.00	48.28	299	316	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.1800	53.69	-117.72	-64.03	-13.00	51.03	145	108	Vertical
2	2014.7700	51.04	-116.44	-65.40	-13.00	52.40	195	298	Vertical
3	2686.3600	51.66	-114.03	-62.37	-13.00	49.37	215	10	Vertical
4	3357.9500	49.60	-112.38	-62.78	-13.00	49.78	136	193	Vertical
5	4029.5400	49.34	-110.53	-61.19	-13.00	48.19	144	256	Vertical
6	4701.1300	48.19	-109.04	-60.85	-13.00	47.85	196	125	Vertical



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Test Band = SA Band71_ 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	1358.1800	52.18	-117.70	-65.52	-13.00	52.52	295	296	Horizontal
2	2037.2700	52.24	-116.32	-64.08	-13.00	51.08	147	360	Horizontal
3	2716.3600	51.61	-113.97	-62.36	-13.00	49.36	185	22	Horizontal
4	3395.4500	51.12	-112.37	-61.25	-13.00	48.25	236	360	Horizontal
5	4074.5400	49.33	-110.32	-60.99	-13.00	47.99	191	275	Horizontal
6	4753.6300	48.25	-108.79	-60.54	-13.00	47.54	255	233	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.1800	51.76	-117.70	-65.94	-13.00	52.94	196	318	Vertical
2	2037.2700	50.16	-116.32	-66.16	-13.00	53.16	184	25	Vertical
3	2716.3600	52.40	-113.97	-61.57	-13.00	48.57	175	252	Vertical
4	3395.4500	49.18	-112.37	-63.19	-13.00	50.19	254	154	Vertical
5	4074.5400	49.20	-110.32	-61.12	-13.00	48.12	236	105	Vertical
6	4753.6300	48.49	-108.79	-60.30	-13.00	47.30	132	26	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
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.500000	-0.005143	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-1.600000	-0.002351	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.500000	-0.002204	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	-3.200000	-0.004702	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.600000	-0.005290	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	-6.100000	-0.008964	PASS



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Frequency Error VS. Temperature

Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.000000	-0.001470	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.400000	-0.002057	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-0.600000	-0.000882	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.200000	-0.001763	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.700000	-0.001029	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.000000	-0.001470	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-0.700000	-0.001029	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.600000	-0.002351	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-0.800000	-0.001176	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	-1.900000	-0.002792	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-2.100000	-0.003086	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	-2.700000	-0.003968	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	-2.900000	-0.004262	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-0.600000	-0.000882	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-2.200000	-0.003233	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-1.800000	-0.002645	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-1.700000	-0.002498	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	-2.200000	-0.003233	PASS

The End



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