Appendix

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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	Verdict
N70	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.38	27.14	30	PASS
N70	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.45	27.21	30	PASS
N70	15	5	DFT-PI2BPSK	L	Outer_Full	22.46	26.22	30	PASS
N70	15	5	DFT-QPSK	L	Inner_1RB_Left	23.41	27.17	30	PASS
N70	15	5	DFT-QPSK	L	Inner_1RB_Right	23.52	27.28	30	PASS
N70	15	5	DFT-QPSK	L	Outer_Full	22.41	26.17	30	PASS
N70	15	5	DFT-16QAM	L	Inner_1RB_Left	22.59	26.35	30	PASS
N70	15	5	DFT-16QAM	L	Inner_1RB_Right	22.04	25.8	30	PASS
N70	15	5	DFT-16QAM	L	Outer_Full	21.47	25.23	30	PASS
N70	15	5	DFT-64QAM	L	Inner_1RB_Left	20.88	24.64	30	PASS
N70	15	5	DFT-64QAM	L	Inner_1RB_Right	20.9	24.66	30	PASS
N70	15	5	DFT-64QAM	L	Outer_Full	20.95	24.71	30	PASS
N70	15	5	DFT-256QAM	L	Inner_1RB_Left	18.95	22.71	30	PASS
N70	15	5	DFT-256QAM	L	Inner_1RB_Right	19.01	22.77	30	PASS
N70	15	5	DFT-256QAM	L	Outer_Full	18.84	22.6	30	PASS
N70	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.57	27.33	30	PASS
N70	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.69	27.45	30	PASS
N70	15	5	DFT-PI2BPSK	M	Outer_Full	22.63	26.39	30	PASS
N70	15	5	DFT-QPSK	M	Inner_1RB_Left	23.63	27.39	30	PASS
N70	15	5	DFT-QPSK	M	Inner_1RB_Right	23.77	27.53	30	PASS
N70	15	5	DFT-QPSK	M	Outer_Full	19.22	22.98	30	PASS
N70	15	5	DFT-16QAM	M	Inner_1RB_Left	22.21	25.97	30	PASS
N70	15	5	DFT-16QAM	M	Inner_1RB_Right	22.31	26.07	30	PASS
N70	15	5	DFT-16QAM	M	Outer_Full	21.7	25.46	30	PASS
N70	15	5	DFT-64QAM	M	Inner_1RB_Left	21.03	24.79	30	PASS
N70	15	5	DFT-64QAM	M	Inner_1RB_Right	21.09	24.85	30	PASS
N70	15	5	DFT-64QAM	M	Outer_Full	21.18	24.94	30	PASS
N70	15	5	DFT-256QAM	M	Inner_1RB_Left	19.07	22.83	30	PASS
N70	15	5	DFT-256QAM	M	Inner_1RB_Right	19.19	22.95	30	PASS
N70	15	5	DFT-256QAM	M	Outer_Full	19.04	22.8	30	PASS
N70	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.77	27.53	30	PASS

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N70	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.83	27.59	30	PASS
N70	15	5	DFT-PI2BPSK	H	Outer_Full	22.8	26.56	30	PASS
N70	15	5	DFT-QPSK	H	Inner_1RB_Left	23.77	27.53	30	PASS
N70	15	5	DFT-QPSK	H	Inner_1RB_Right	23.87	27.63	30	PASS
N70	15	5	DFT-QPSK	H	Outer_Full	22.78	26.54	30	PASS
N70	15	5	DFT-16QAM	H	Inner_1RB_Left	22.48	26.24	30	PASS
N70	15	5	DFT-16QAM	H	Inner_1RB_Right	22.57	26.33	30	PASS
N70	15	5	DFT-16QAM	H	Outer_Full	21.81	25.57	30	PASS
N70	15	5	DFT-64QAM	H	Inner_1RB_Left	21.05	24.81	30	PASS
N70	15	5	DFT-64QAM	H	Inner_1RB_Right	21.16	24.92	30	PASS
N70	15	5	DFT-64QAM	H	Outer_Full	21.31	25.07	30	PASS
N70	15	5	DFT-256QAM	H	Inner_1RB_Left	19.25	23.01	30	PASS
N70	15	5	DFT-256QAM	H	Inner_1RB_Right	19.35	23.11	30	PASS
N70	15	5	DFT-256QAM	H	Outer_Full	19.24	23	30	PASS
N70	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.43	27.19	30	PASS
N70	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.78	27.54	30	PASS
N70	15	10	DFT-PI2BPSK	L	Outer_Full	22.62	26.38	30	PASS
N70	15	10	DFT-QPSK	L	Inner_1RB_Left	23.49	27.25	30	PASS
N70	15	10	DFT-QPSK	L	Inner_1RB_Right	23.79	27.55	30	PASS
N70	15	10	DFT-QPSK	L	Outer_Full	22.61	26.37	30	PASS
N70	15	10	DFT-16QAM	L	Inner_1RB_Left	22.22	25.98	30	PASS
N70	15	10	DFT-16QAM	L	Inner_1RB_Right	22.53	26.29	30	PASS
N70	15	10	DFT-16QAM	L	Outer_Full	21.66	25.42	30	PASS
N70	15	10	DFT-64QAM	L	Inner_1RB_Left	20.74	24.5	30	PASS
N70	15	10	DFT-64QAM	L	Inner_1RB_Right	21	24.76	30	PASS
N70	15	10	DFT-64QAM	L	Outer_Full	21.15	24.91	30	PASS
N70	15	10	DFT-256QAM	L	Inner_1RB_Left	18.98	22.74	30	PASS
N70	15	10	DFT-256QAM	L	Inner_1RB_Right	19.28	23.04	30	PASS
N70	15	10	DFT-256QAM	L	Outer_Full	19.05	22.81	30	PASS
N70	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.47	27.23	30	PASS
N70	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.86	27.62	30	PASS
N70	15	10	DFT-PI2BPSK	M	Outer_Full	22.72	26.48	30	PASS
N70	15	10	DFT-QPSK	M	Inner_1RB_Left	23.46	27.22	30	PASS
N70	15	10	DFT-QPSK	M	Inner_1RB_Right	23.82	27.58	30	PASS
N70	15	10	DFT-QPSK	M	Outer_Full	22.67	26.43	30	PASS
N70	15	10	DFT-16QAM	M	Inner_1RB_Left	22.21	25.97	30	PASS
N70	15	10	DFT-16QAM	M	Inner_1RB_Right	22.61	26.37	30	PASS
N70	15	10	DFT-16QAM	M	Outer_Full	21.72	25.48	30	PASS

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N70	15	10	DFT-64QAM	M	Inner_1RB_Left	20.72	24.48	30	PASS
N70	15	10	DFT-64QAM	M	Inner_1RB_Right	21.09	24.85	30	PASS
N70	15	10	DFT-64QAM	M	Outer_Full	21.22	24.98	30	PASS
N70	15	10	DFT-256QAM	M	Inner_1RB_Left	18.98	22.74	30	PASS
N70	15	10	DFT-256QAM	M	Inner_1RB_Right	19.38	23.14	30	PASS
N70	15	10	DFT-256QAM	M	Outer_Full	19.13	22.89	30	PASS
N70	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.64	27.4	30	PASS
N70	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.87	27.63	30	PASS
N70	15	10	DFT-PI2BPSK	H	Outer_Full	22.78	26.54	30	PASS
N70	15	10	DFT-QPSK	H	Inner_1RB_Left	23.63	27.39	30	PASS
N70	15	10	DFT-QPSK	H	Inner_1RB_Right	23.89	27.65	30	PASS
N70	15	10	DFT-QPSK	H	Outer_Full	22.76	26.52	30	PASS
N70	15	10	DFT-16QAM	H	Inner_1RB_Left	22.38	26.14	30	PASS
N70	15	10	DFT-16QAM	H	Inner_1RB_Right	22.63	26.39	30	PASS
N70	15	10	DFT-16QAM	H	Outer_Full	21.73	25.49	30	PASS
N70	15	10	DFT-64QAM	H	Inner_1RB_Left	20.83	24.59	30	PASS
N70	15	10	DFT-64QAM	H	Inner_1RB_Right	21.18	24.94	30	PASS
N70	15	10	DFT-64QAM	H	Outer_Full	21.3	25.06	30	PASS
N70	15	10	DFT-256QAM	H	Inner_1RB_Left	19.1	22.86	30	PASS
N70	15	10	DFT-256QAM	H	Inner_1RB_Right	19.39	23.15	30	PASS
N70	15	10	DFT-256QAM	H	Outer_Full	19.21	22.97	30	PASS
N70	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.54	27.3	30	PASS
N70	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.99	27.75	30	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	22.77	26.53	30	PASS
N70	15	15	DFT-QPSK	M	Inner_1RB_Left	23.55	27.31	30	PASS
N70	15	15	DFT-QPSK	M	Inner_1RB_Right	23.93	27.69	30	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	22.82	26.58	30	PASS
N70	15	15	DFT-16QAM	M	Inner_1RB_Left	22.28	26.04	30	PASS
N70	15	15	DFT-16QAM	M	Inner_1RB_Right	23.15	26.91	30	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	21.8	25.56	30	PASS
N70	15	15	DFT-64QAM	M	Inner_1RB_Left	20.81	24.57	30	PASS
N70	15	15	DFT-64QAM	M	Inner_1RB_Right	21.25	25.01	30	PASS
N70	15	15	DFT-64QAM	M	Outer_Full	21.26	25.02	30	PASS
N70	15	15	DFT-256QAM	M	Inner_1RB_Left	19.09	22.85	30	PASS
N70	15	15	DFT-256QAM	M	Inner_1RB_Right	19.49	23.25	30	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	19.3	23.06	30	PASS

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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N70	15	15	DFT-256QAM	M	Outer_Full	100%	0.00	11.24	≤13	PASS
N70	15	15	CP-256QAM	M	Outer_Full	100%	0.00	11.97	≤13	PASS

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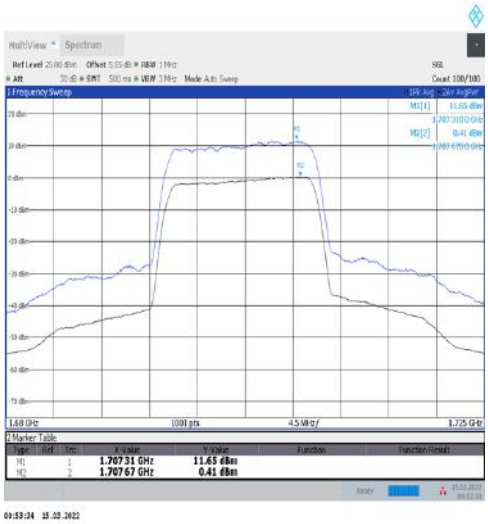
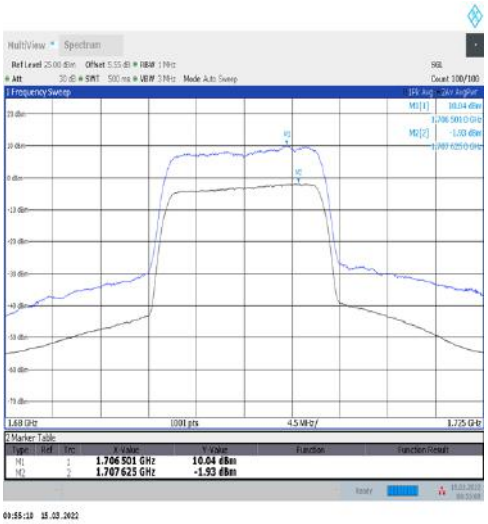
Test Graphs

	
1-N70-15-15-M-1-DFT-256QAM-Outer_Full-75@0-Ant1-11.24-100%-0.00-11.24-PASS-≤13	1-N70-15-15-M-2-CP-256QAM-Outer_Full-79@0-Ant1-11.97-100%-0.00-11.97-PASS-≤13

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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N70	15	15	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	see graph	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	see graph	PASS
N70	15	15	DFT-64QAM	M	Outer_Full	see graph	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	see graph	PASS
N70	15	15	CP-QPSK	M	Outer_Full	see graph	PASS
N70	15	15	CP-16QAM	M	Outer_Full	see graph	PASS
N70	15	15	CP-64QAM	M	Outer_Full	see graph	PASS
N70	15	15	CP-256QAM	M	Outer_Full	see graph	PASS

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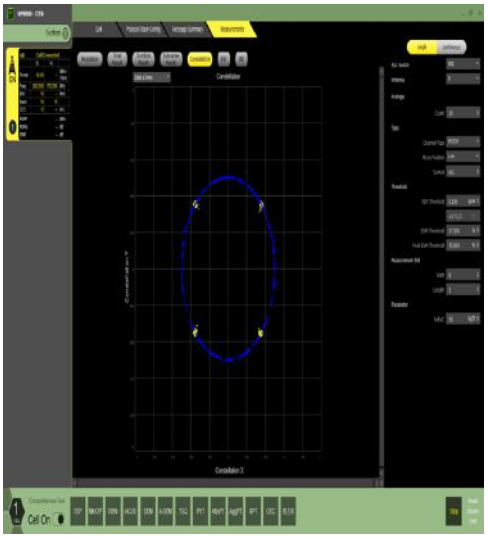
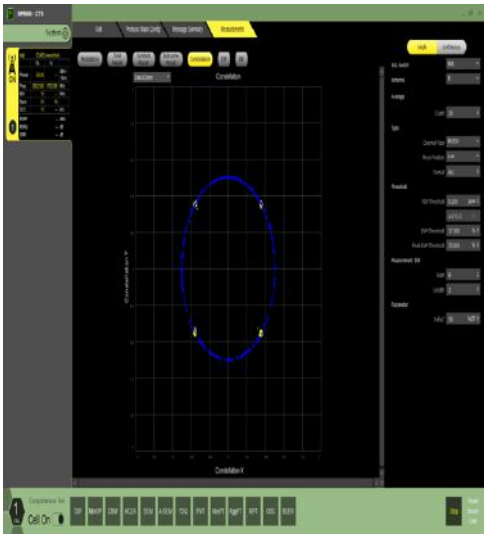
Test Graphs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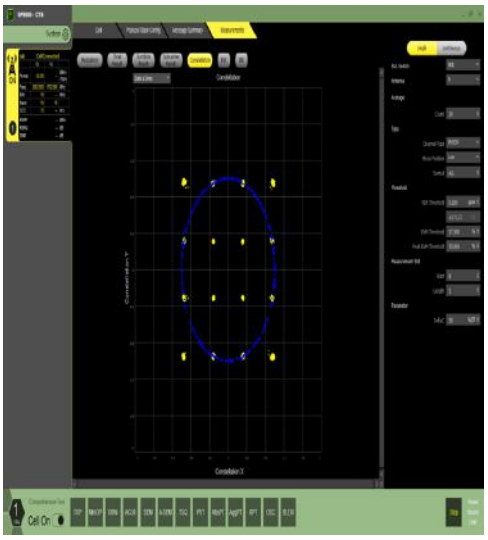	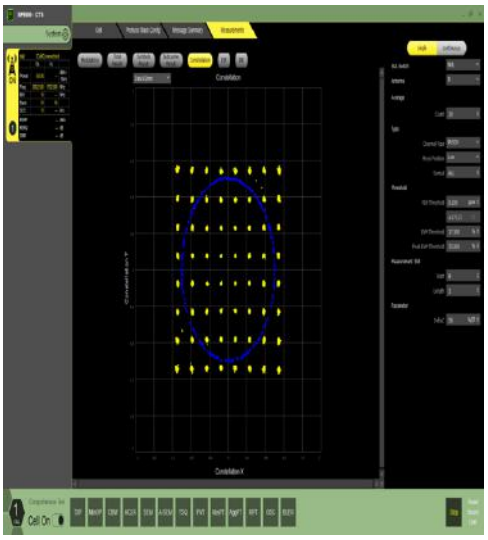
1-N70-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-see graph-PASS	1-N70-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-see graph-PASS

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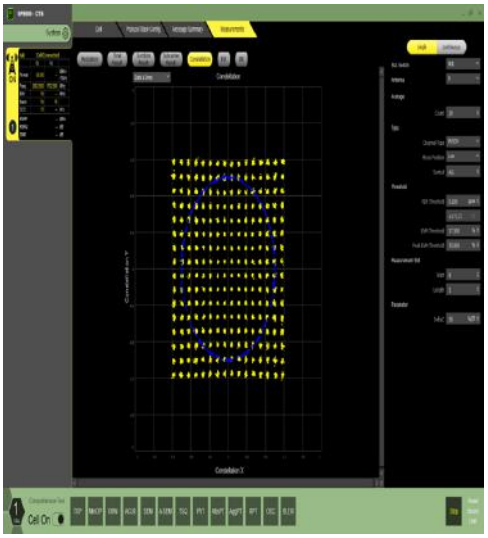	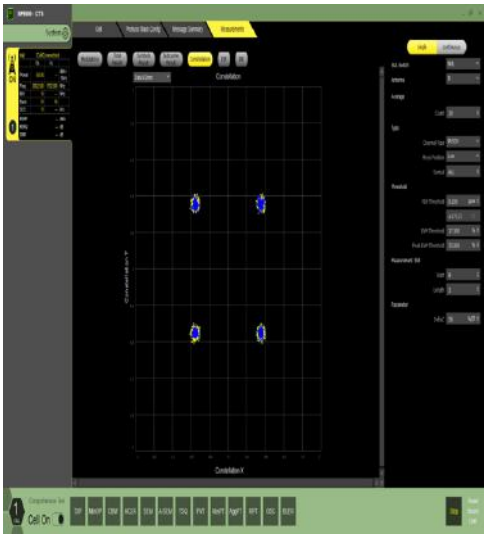
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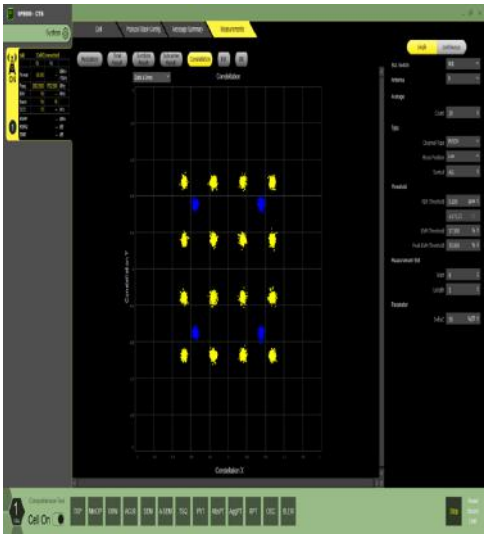	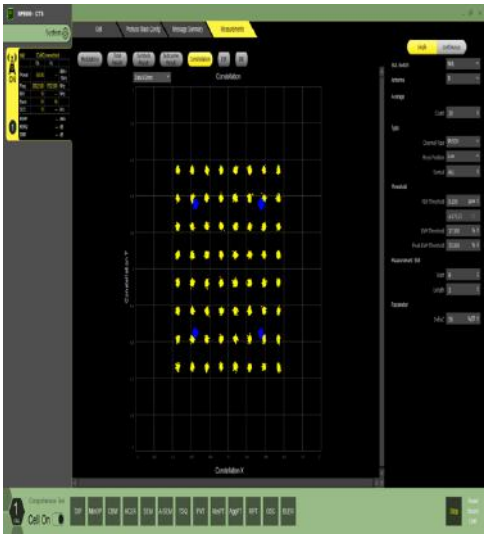
1-N70-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-see graph-PASS	1-N70-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-see graph-PASS

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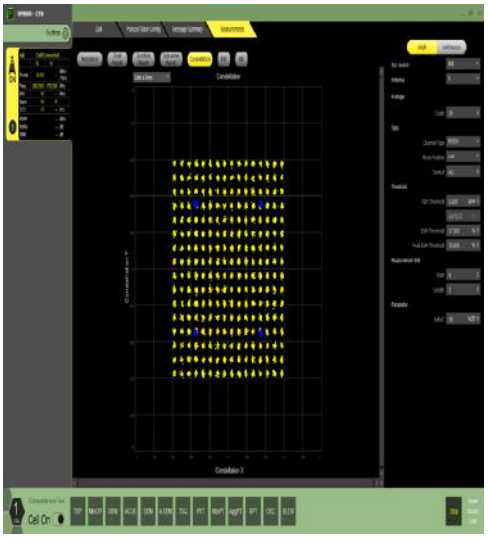	
1-N70-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-see graph-PASS	

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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
N70	15	5	DFT-QPSK	L	Outer_Full	4.479	5.030	PASS
N70	15	5	DFT-PI2BPSK	L	Outer_Full	4.48	5.020	PASS
N70	15	5	DFT-16QAM	L	Outer_Full	4.473	5.070	PASS
N70	15	5	DFT-64QAM	L	Outer_Full	4.483	5.020	PASS
N70	15	5	DFT-256QAM	L	Outer_Full	4.479	5.020	PASS
N70	15	5	CP-QPSK	L	Outer_Full	4.47	5.180	PASS
N70	15	5	CP-16QAM	L	Outer_Full	4.477	5.110	PASS
N70	15	5	CP-64QAM	L	Outer_Full	4.474	5.160	PASS
N70	15	5	CP-256QAM	L	Outer_Full	4.476	4.960	PASS
N70	15	5	DFT-QPSK	M	Outer_Full	4.478	5.090	PASS
N70	15	5	DFT-PI2BPSK	M	Outer_Full	4.475	4.990	PASS
N70	15	5	DFT-16QAM	M	Outer_Full	4.473	5.060	PASS
N70	15	5	DFT-64QAM	M	Outer_Full	4.483	5.040	PASS
N70	15	5	DFT-256QAM	M	Outer_Full	4.484	5.030	PASS
N70	15	5	CP-QPSK	M	Outer_Full	4.482	5.120	PASS
N70	15	5	CP-16QAM	M	Outer_Full	4.475	5.120	PASS
N70	15	5	CP-64QAM	M	Outer_Full	4.471	5.130	PASS
N70	15	5	CP-256QAM	M	Outer_Full	4.472	5.030	PASS
N70	15	5	DFT-QPSK	H	Outer_Full	4.479	5.110	PASS
N70	15	5	DFT-PI2BPSK	H	Outer_Full	4.471	5.020	PASS
N70	15	5	DFT-16QAM	H	Outer_Full	4.464	5.030	PASS
N70	15	5	DFT-64QAM	H	Outer_Full	4.497	5.090	PASS
N70	15	5	DFT-256QAM	H	Outer_Full	4.497	5.030	PASS
N70	15	5	CP-QPSK	H	Outer_Full	4.473	5.070	PASS
N70	15	5	CP-16QAM	H	Outer_Full	4.476	5.010	PASS
N70	15	5	CP-64QAM	H	Outer_Full	4.467	5.140	PASS
N70	15	5	CP-256QAM	H	Outer_Full	4.474	5.130	PASS
N70	15	10	DFT-QPSK	L	Outer_Full	8.933	9.700	PASS
N70	15	10	DFT-PI2BPSK	L	Outer_Full	8.919	9.580	PASS
N70	15	10	DFT-16QAM	L	Outer_Full	8.958	9.720	PASS
N70	15	10	DFT-64QAM	L	Outer_Full	8.944	9.580	PASS
N70	15	10	DFT-256QAM	L	Outer_Full	8.924	9.660	PASS

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N70	15	10	CP-QPSK	L	Outer_Full	9.307	10.160	PASS
N70	15	10	CP-16QAM	L	Outer_Full	9.3	10.200	PASS
N70	15	10	CP-64QAM	L	Outer_Full	9.302	10.120	PASS
N70	15	10	CP-256QAM	L	Outer_Full	9.303	10.040	PASS
N70	15	10	DFT-QPSK	M	Outer_Full	8.925	9.680	PASS
N70	15	10	DFT-PI2BPSK	M	Outer_Full	8.917	9.640	PASS
N70	15	10	DFT-16QAM	M	Outer_Full	8.954	9.600	PASS
N70	15	10	DFT-64QAM	M	Outer_Full	8.938	9.640	PASS
N70	15	10	DFT-256QAM	M	Outer_Full	8.922	9.680	PASS
N70	15	10	CP-QPSK	M	Outer_Full	9.3	10.120	PASS
N70	15	10	CP-16QAM	M	Outer_Full	9.289	10.100	PASS
N70	15	10	CP-64QAM	M	Outer_Full	9.3	10.120	PASS
N70	15	10	CP-256QAM	M	Outer_Full	9.298	10.060	PASS
N70	15	10	DFT-QPSK	H	Outer_Full	8.935	9.740	PASS
N70	15	10	DFT-PI2BPSK	H	Outer_Full	8.917	9.680	PASS
N70	15	10	DFT-16QAM	H	Outer_Full	8.953	9.680	PASS
N70	15	10	DFT-64QAM	H	Outer_Full	8.927	9.500	PASS
N70	15	10	DFT-256QAM	H	Outer_Full	8.921	9.640	PASS
N70	15	10	CP-QPSK	H	Outer_Full	9.3	10.140	PASS
N70	15	10	CP-16QAM	H	Outer_Full	9.286	10.100	PASS
N70	15	10	CP-64QAM	H	Outer_Full	9.324	10.260	PASS
N70	15	10	CP-256QAM	H	Outer_Full	9.286	9.960	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	13.468	14.430	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	13.4	14.340	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	13.426	14.430	PASS
N70	15	15	DFT-64QAM	M	Outer_Full	13.431	14.430	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	13.475	14.430	PASS
N70	15	15	CP-QPSK	M	Outer_Full	14.126	15.180	PASS
N70	15	15	CP-16QAM	M	Outer_Full	14.073	15.120	PASS
N70	15	15	CP-64QAM	M	Outer_Full	14.07	15.150	PASS
N70	15	15	CP-256QAM	M	Outer_Full	14.102	15.180	PASS

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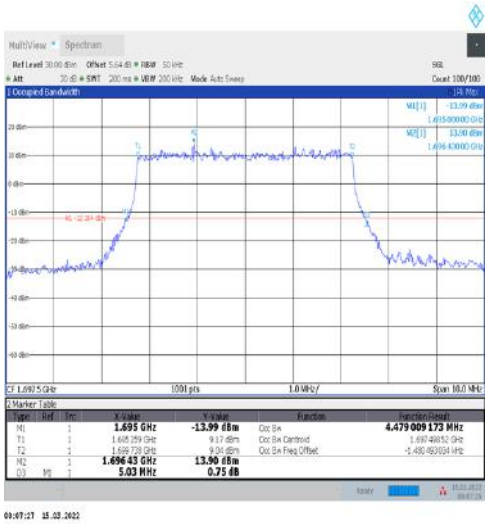

1-N70-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.479-5.030-≤5-PASS

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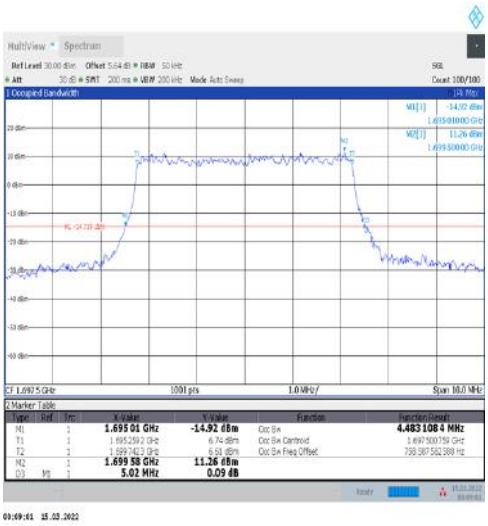
1-N70-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.473-5.070-≤5-PASS



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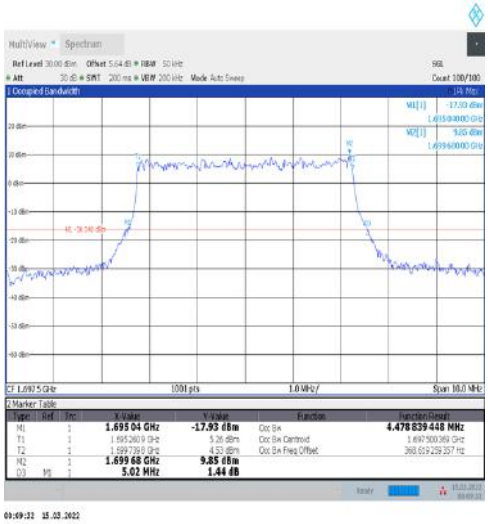

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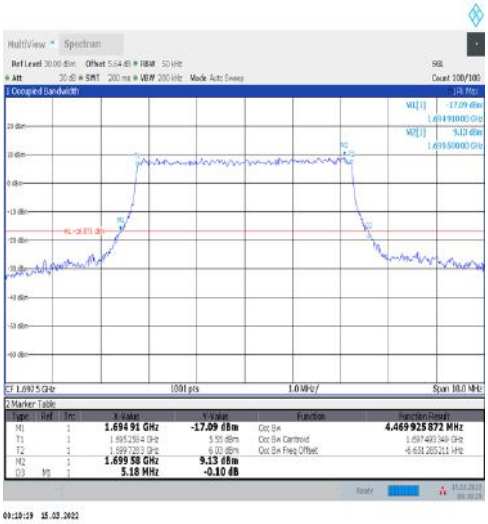

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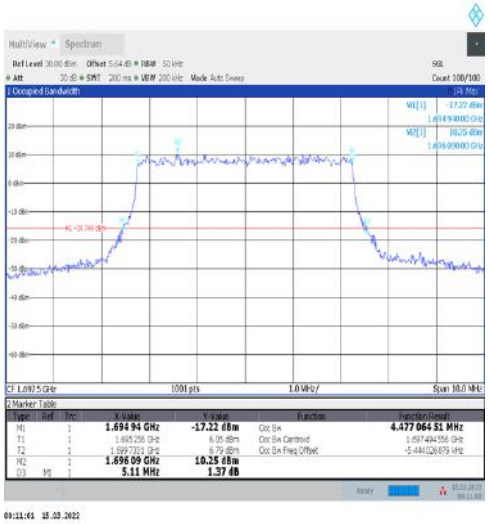

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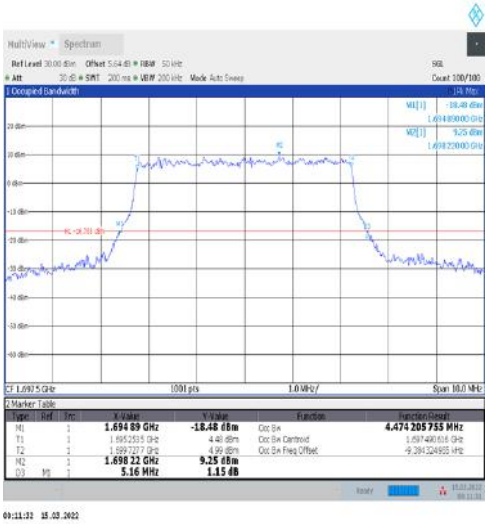

1-N70-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.474-5.160-≤5-PASS

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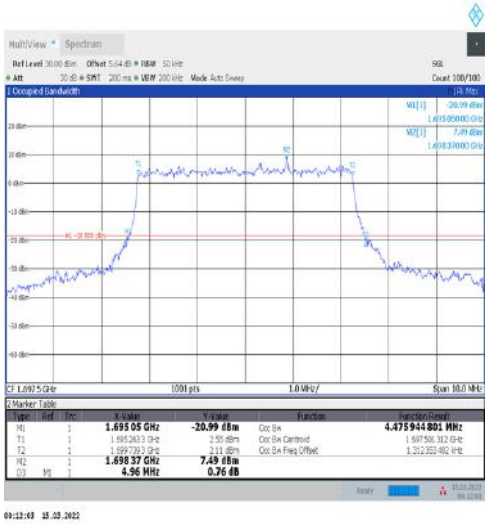

1-N70-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.476-4.960-≤5-PASS

1-N70-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.478-5.090-≤5-PASS

1-N70-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.475-4.990-≤5-PASS

1-N70-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.473-5.060-≤5-PASS

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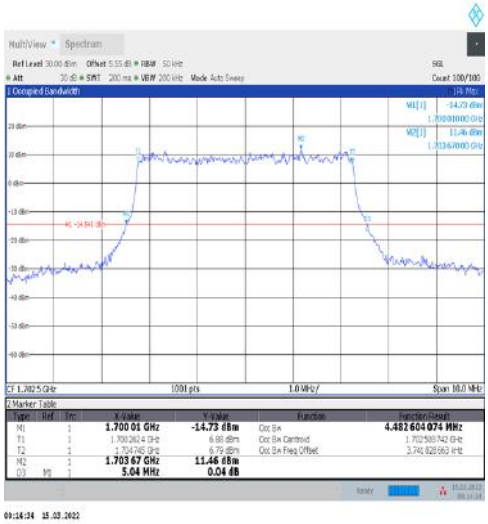

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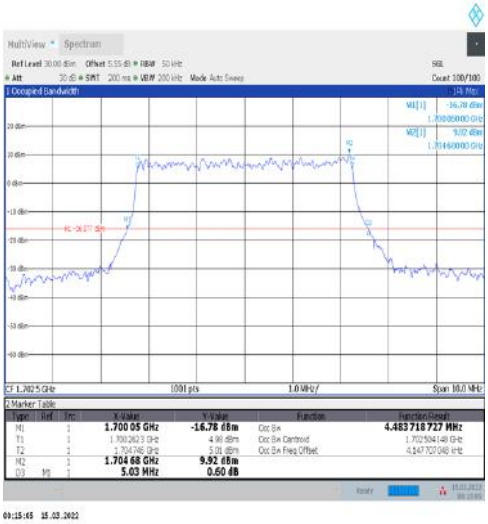

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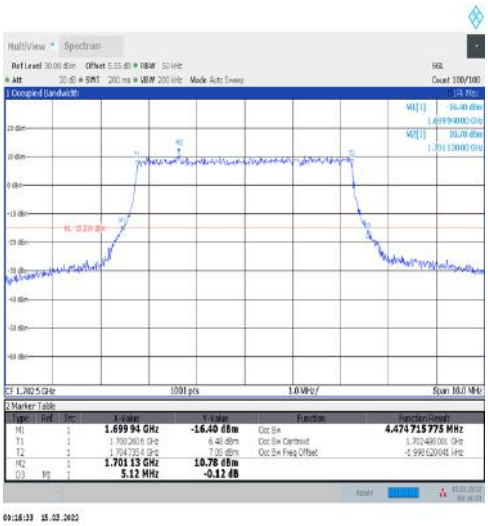
1-N70-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.482-5.120-≤5-PASS



1-N70-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.475-5.120-≤5-PASS

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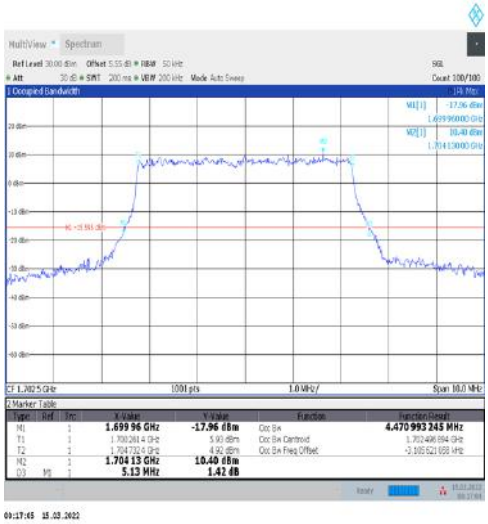

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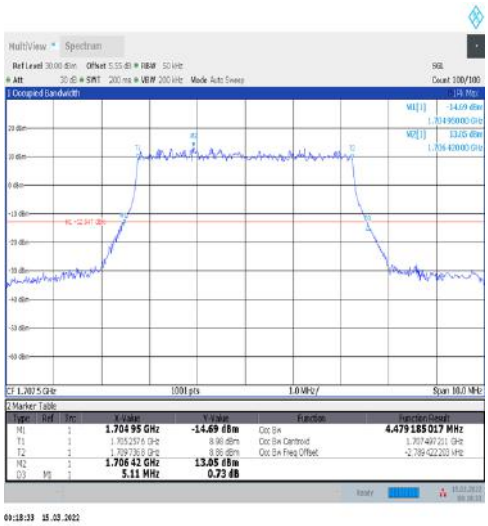

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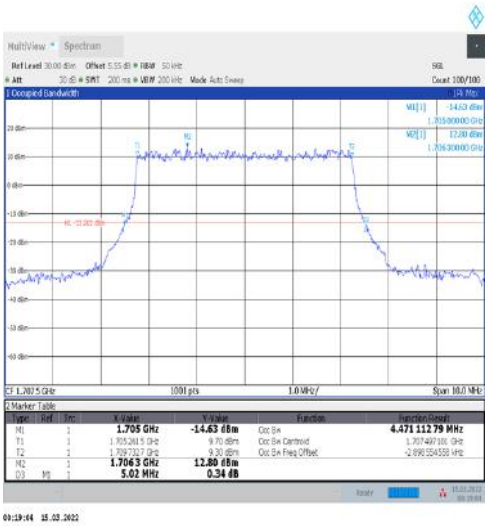

1-N70-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.471-5.020-≤5-PASS

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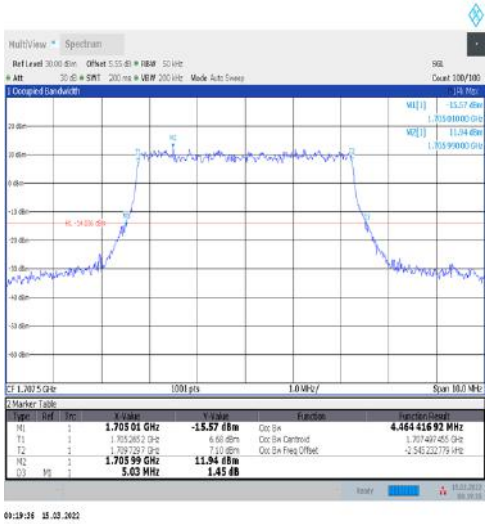

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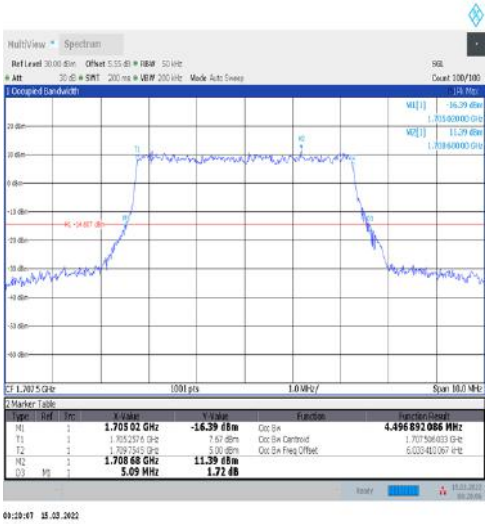

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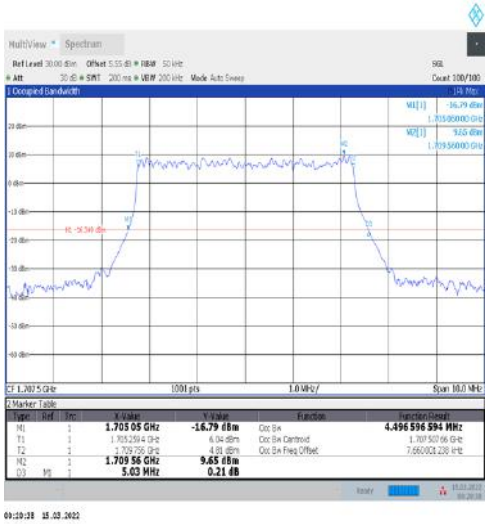

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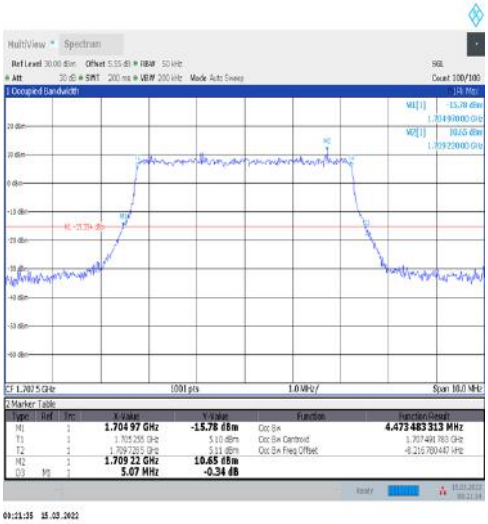

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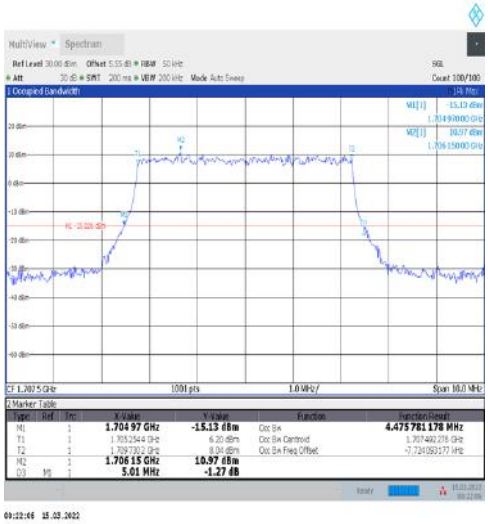

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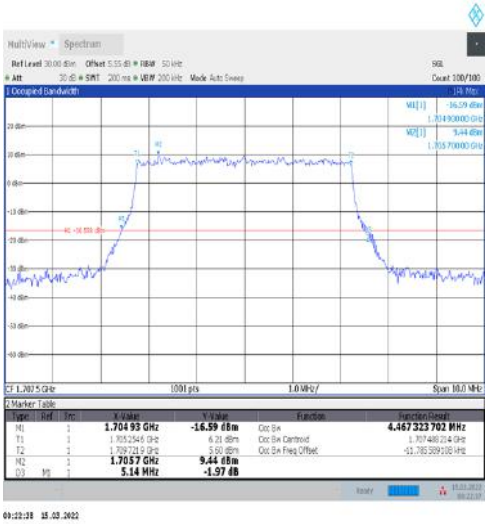

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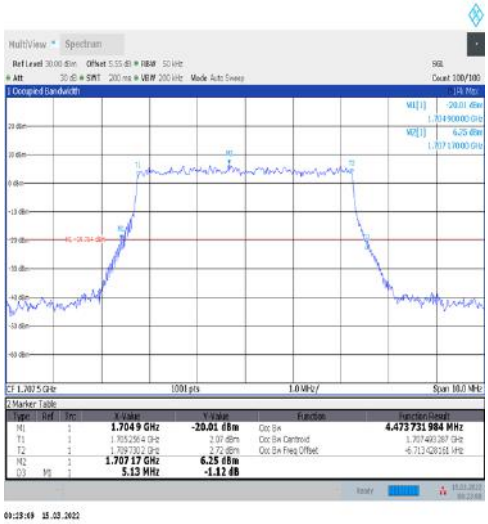

1-N70-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.474-5.130-≤5-PASS

1-N70-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.933-9.700-≤10-PASS

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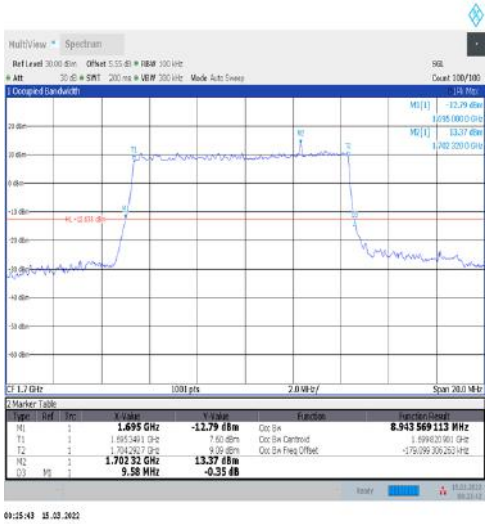
1-N70-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.958-9.720-≤10-PASS



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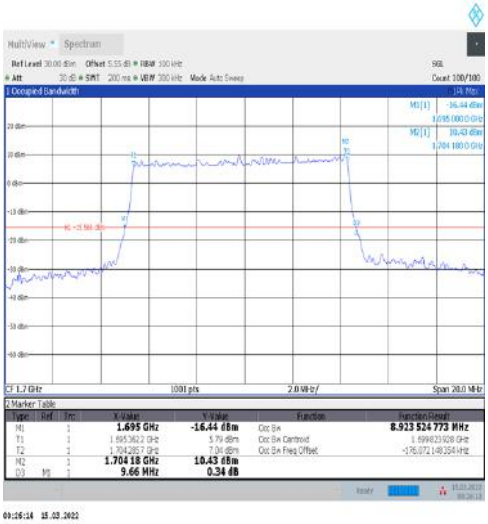

1-N70-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.924-9.660-≤10-PASS

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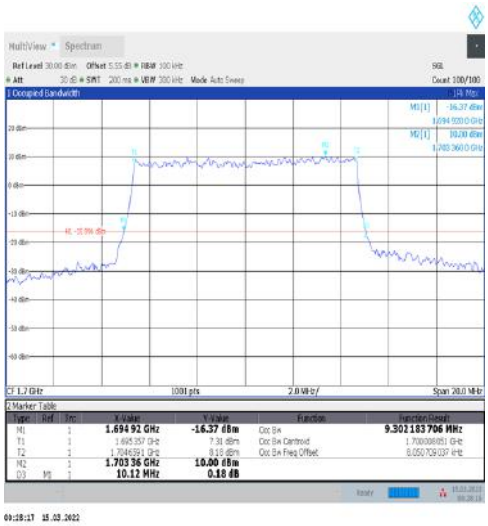
1-N70-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9.307-10.160-≤10-PASS

1-N70-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.3-10.200-≤10-PASS



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1-N70-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.303-10.040-≤10-PASS

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1-N70-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.917-9.640-≤10-PASS

1-N70-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.954-9.600-≤10-PASS

1-N70-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.938-9.640-≤10-PASS

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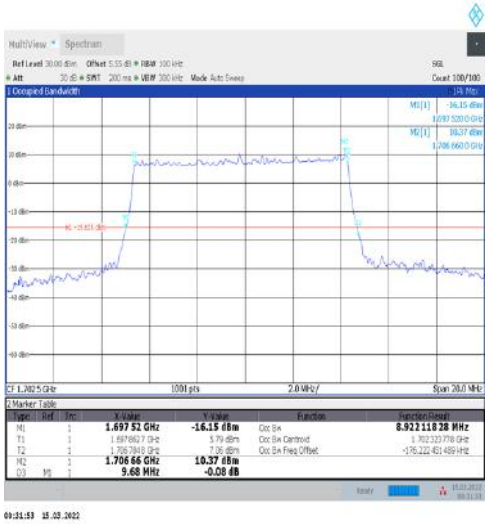

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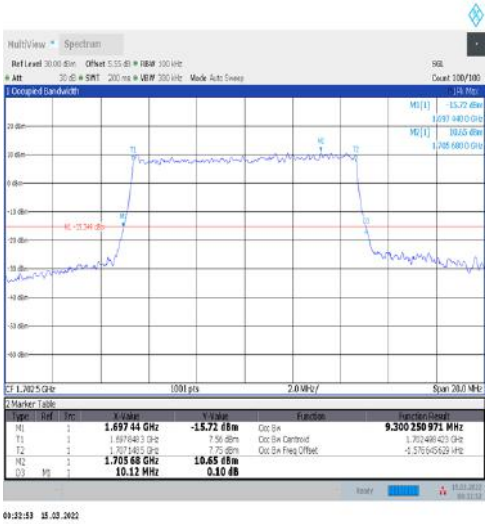

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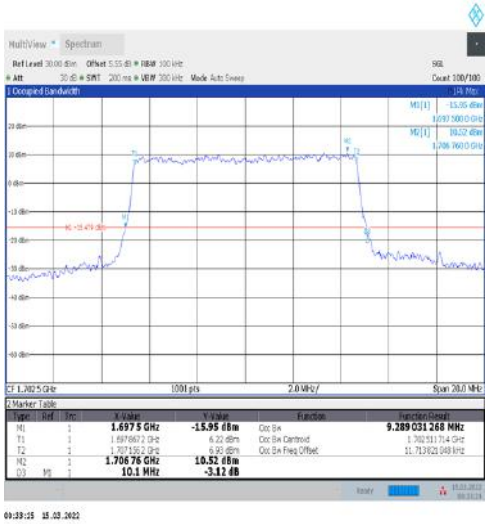

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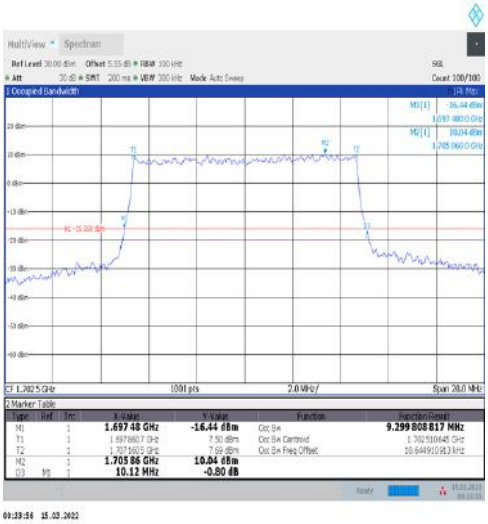

1-N70-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.3-10.120-≤10-PASS

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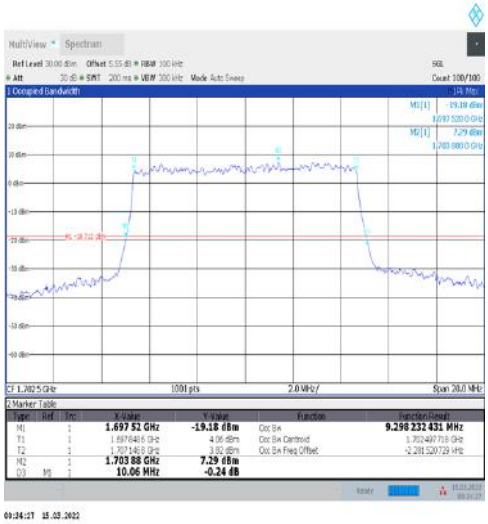
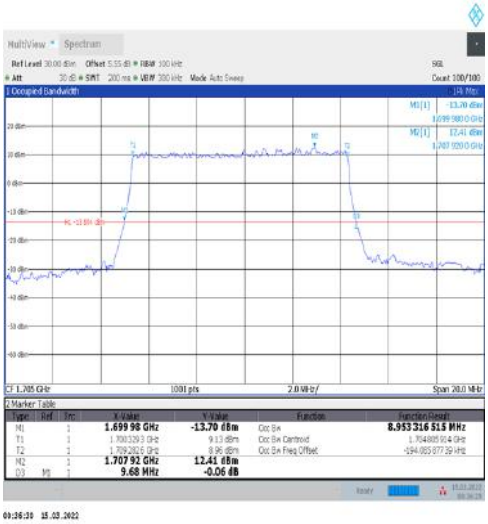


1-N70-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-9.298-10.060-≤10-PASS

1-N70-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.935-9.740-≤10-PASS

1-N70-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.917-9.680-≤10-PASS



1-N70-15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.953-9.680-≤10-PASS

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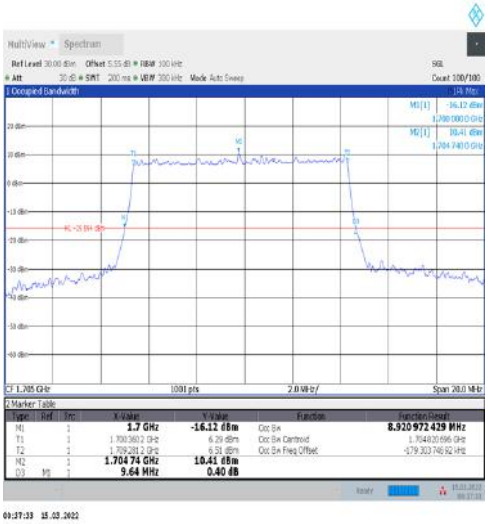

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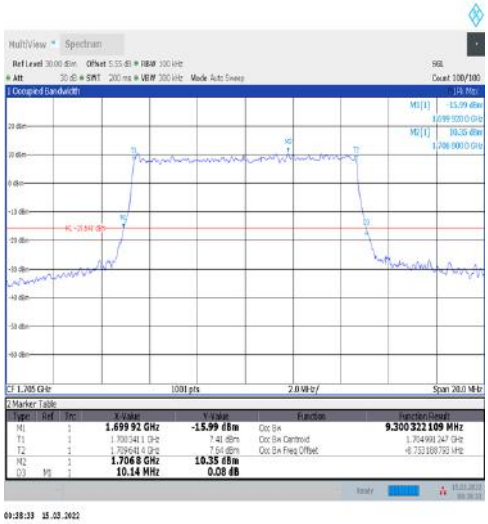

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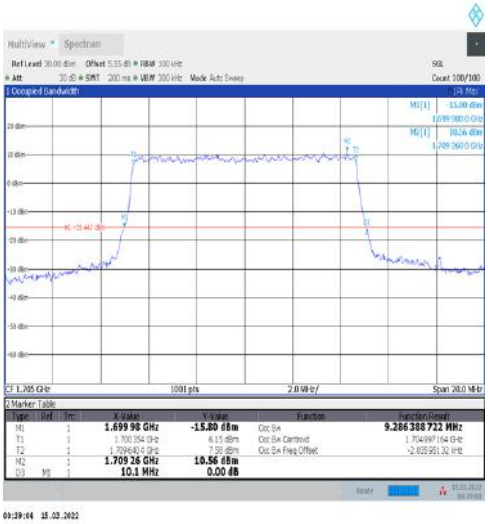

1-N70-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.286-10.100-≤10-PASS

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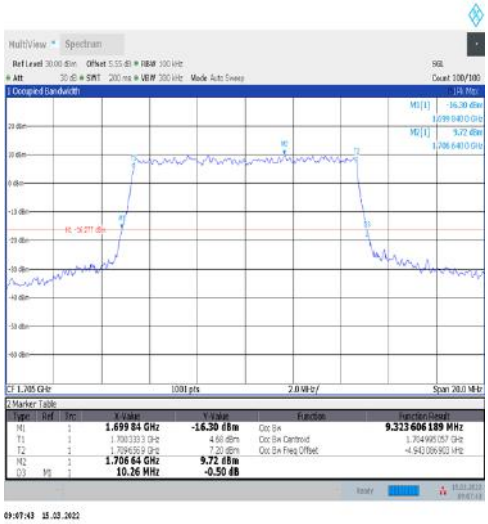
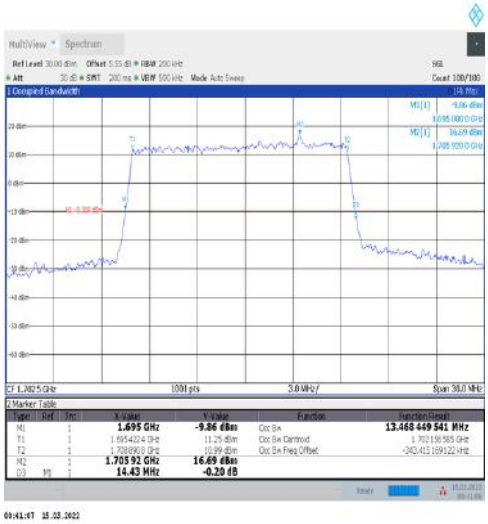


1-N70-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.324-10.260-≤10-PASS

1-N70-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.286-9.960-≤10-PASS



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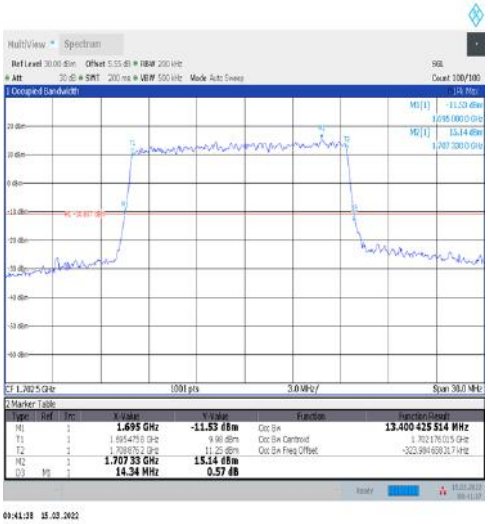

1-N70-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.4-14.340-≤15-PASS

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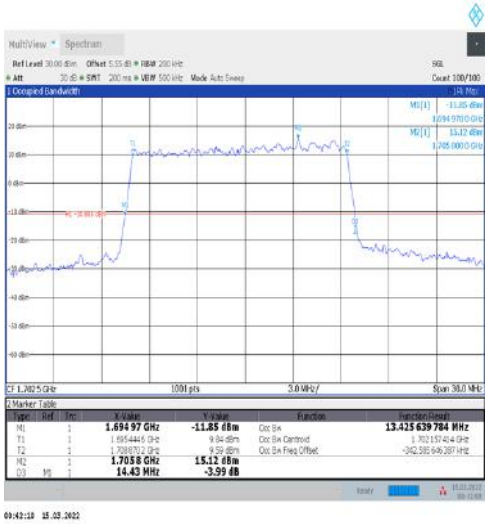

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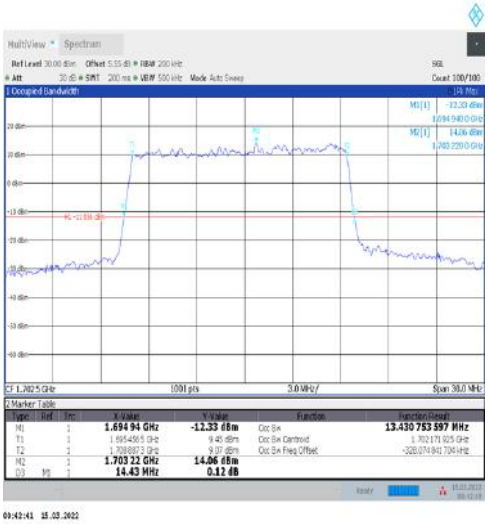

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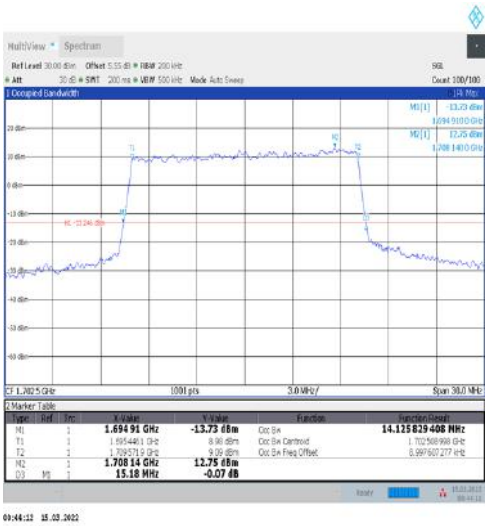

1-N70-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.126-15.180-≤15-PASS

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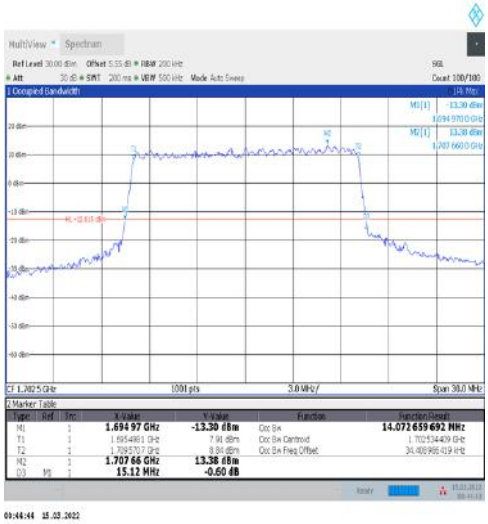
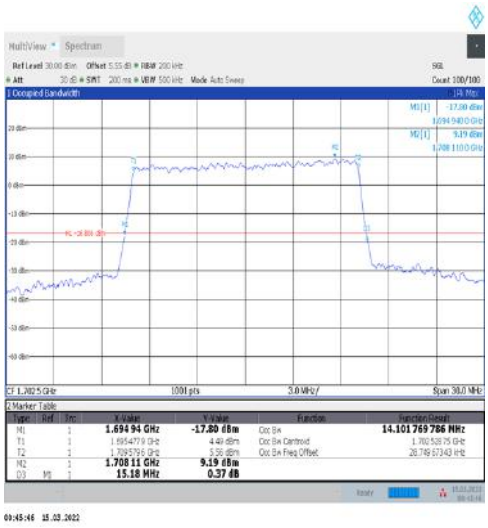


1-N70-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.073-15.120-≤15-PASS

1-N70-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.07-15.150-≤15-PASS



1-N70-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.102-15.180-≤15-PASS

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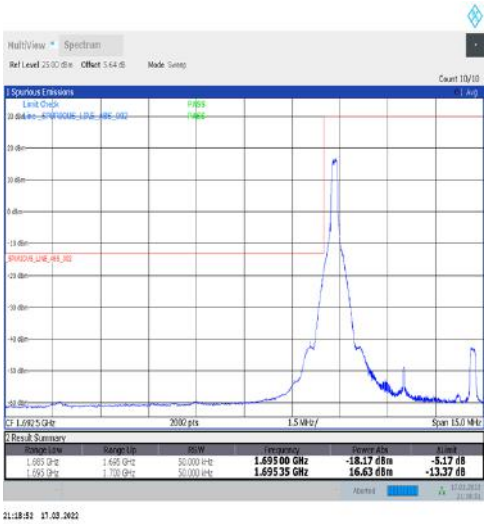
Band Edge for SA

Test Graphs



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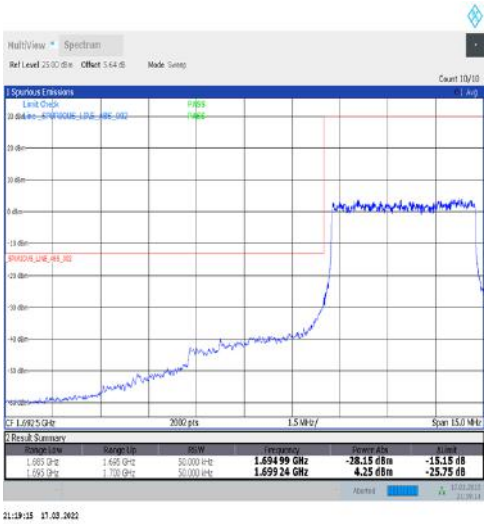

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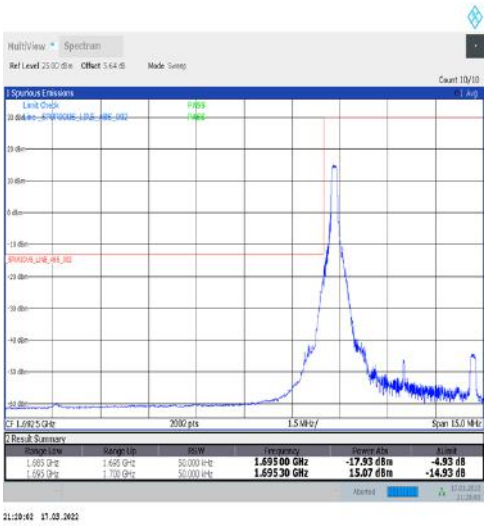

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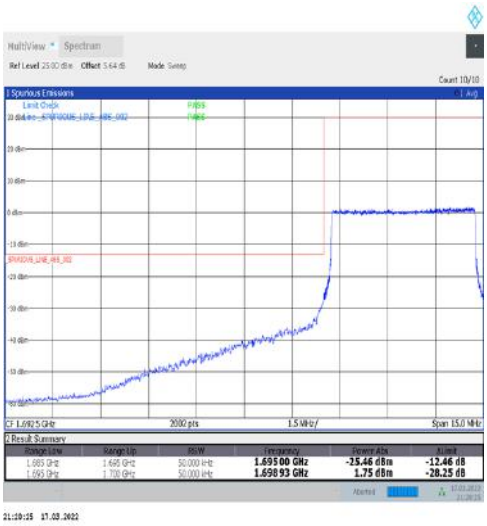

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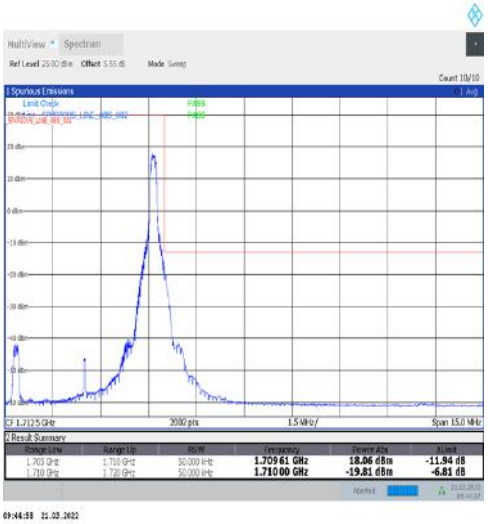

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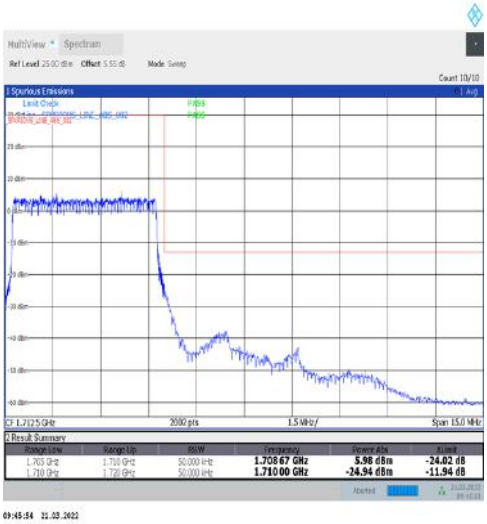

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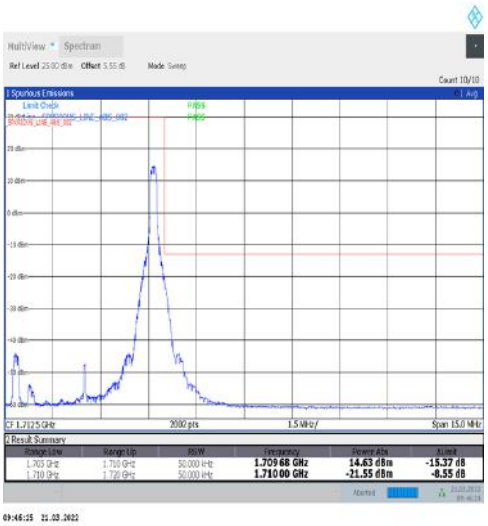

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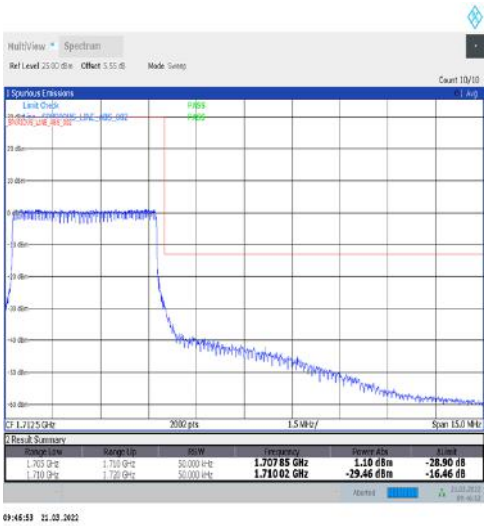

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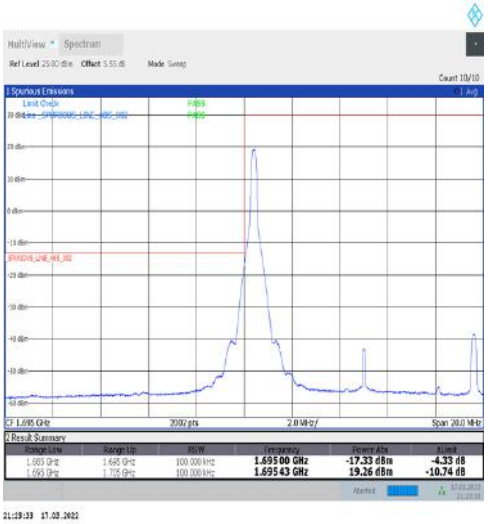

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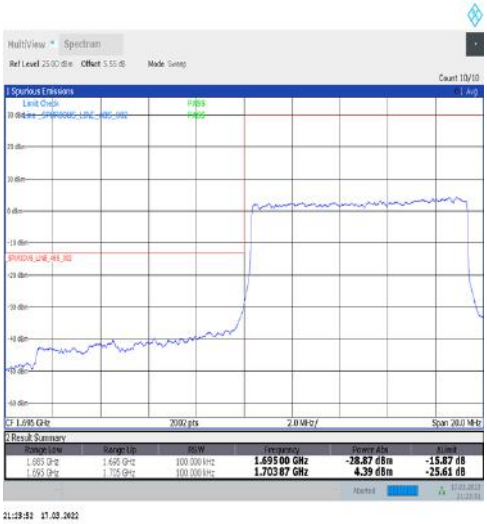

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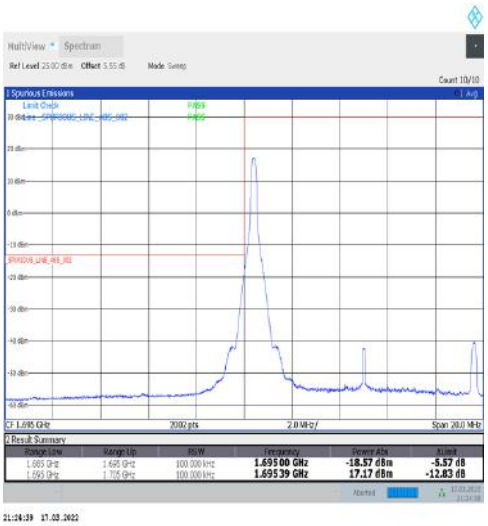

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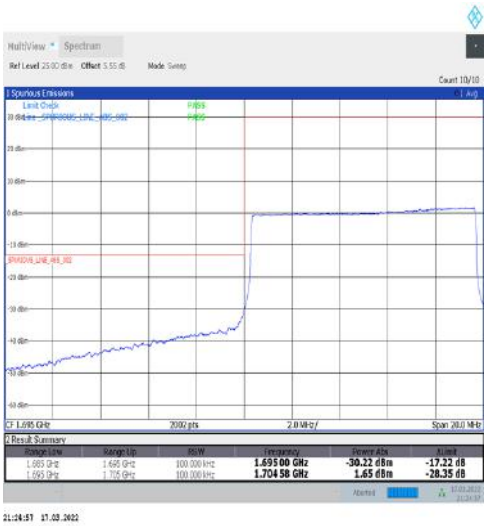

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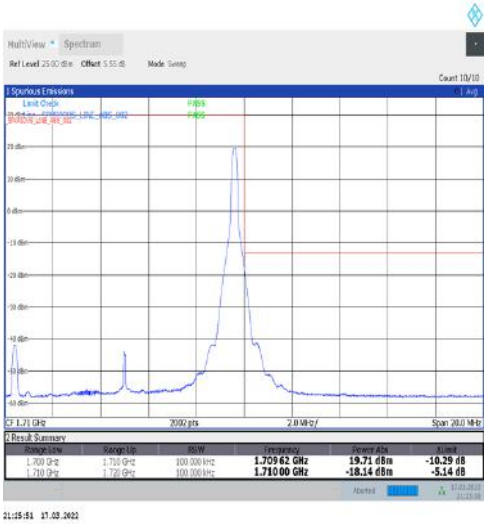

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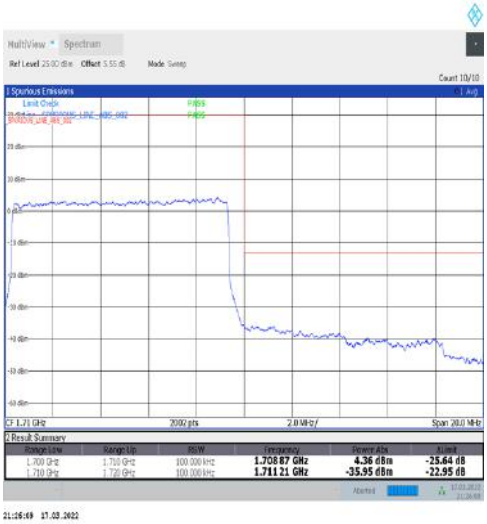

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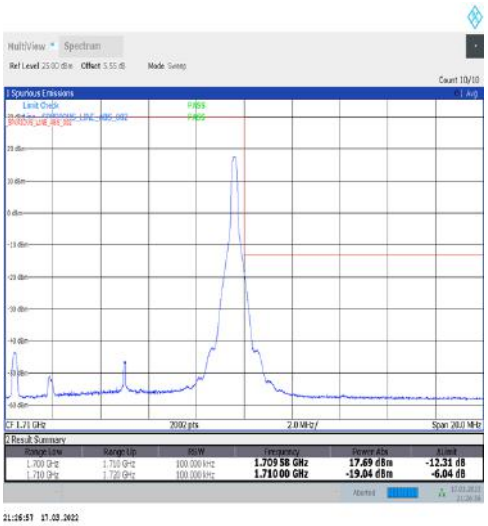

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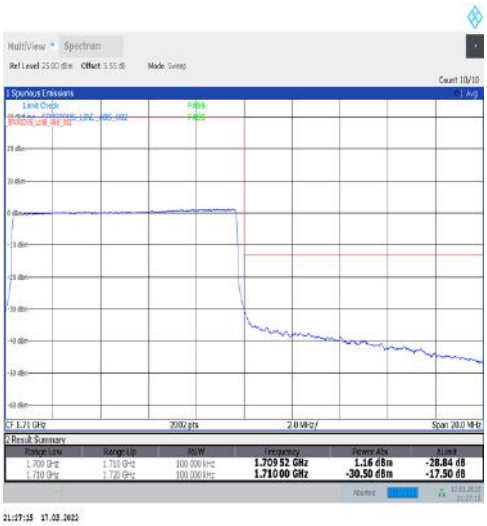

1-N70-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-seegraph-PASS-see graph

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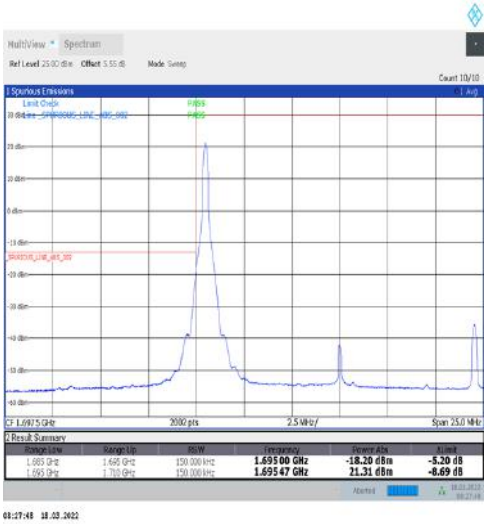

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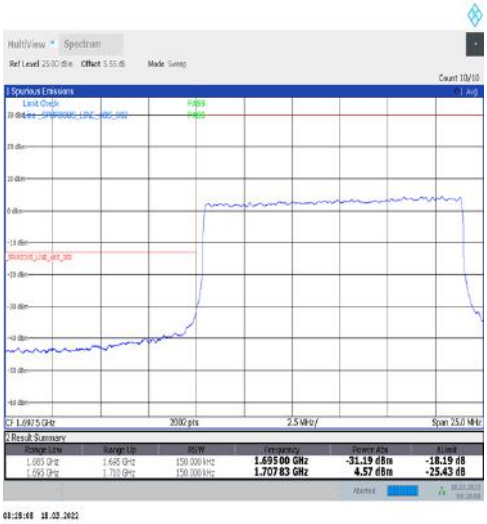

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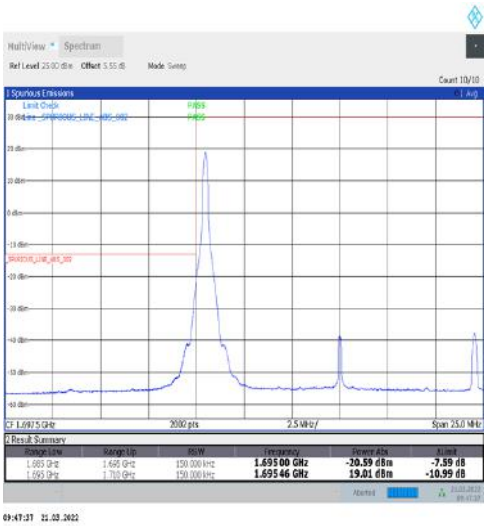

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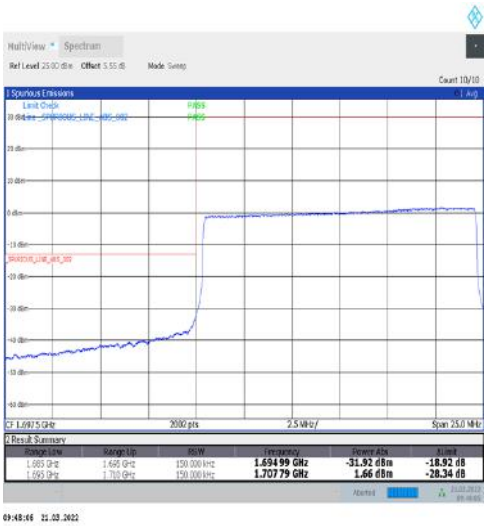

1-N70-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-seegraph-PASS-see graph

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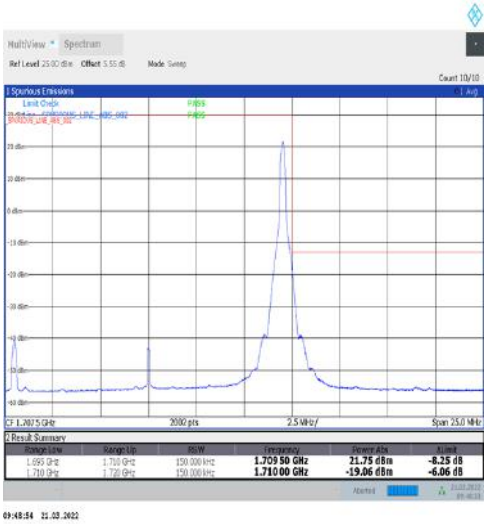	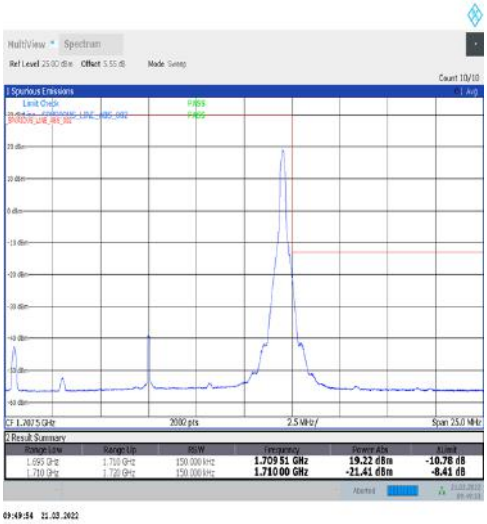
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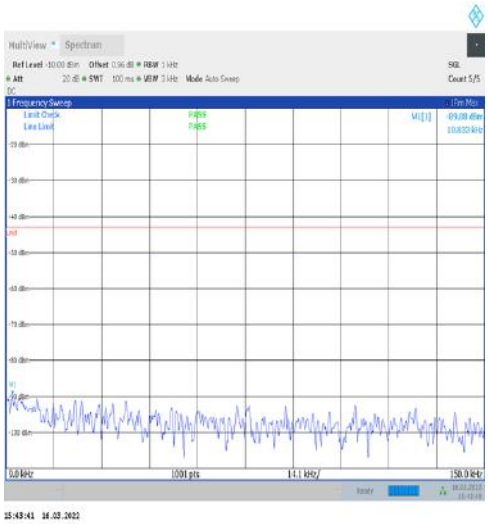
Conducted Spurious Emission for SA

Test Graphs



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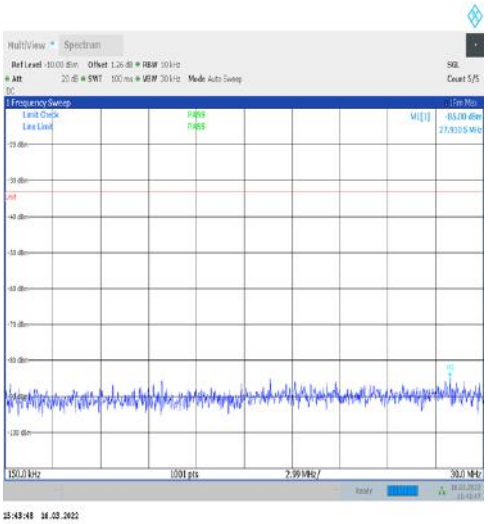

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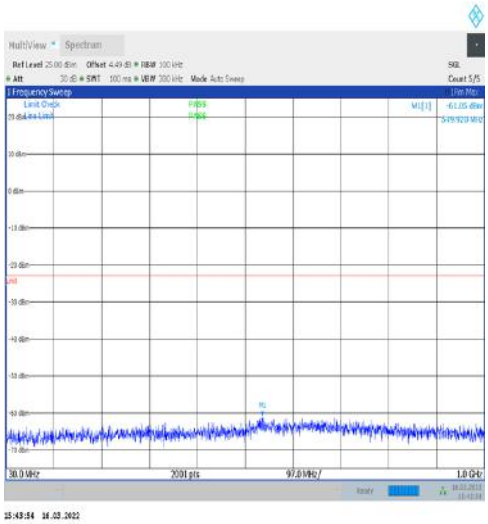

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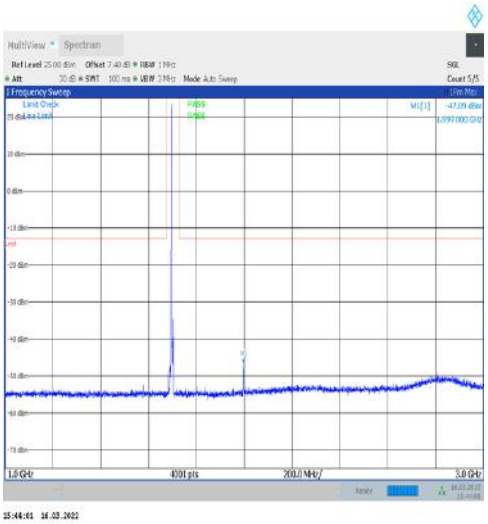

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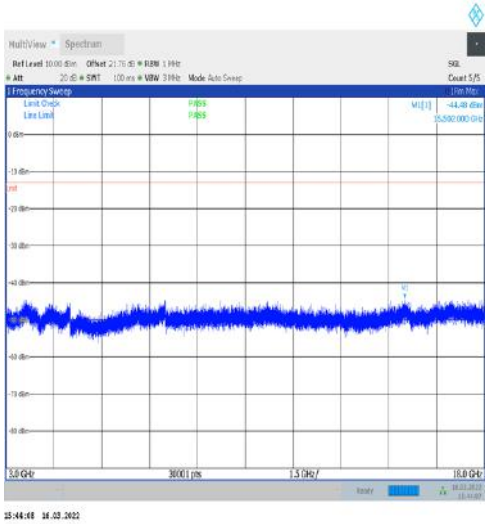	
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Field Strength of Spurious Radiation

Test Band = SA n70 BW 15M_ 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	3390.75	70.14	-111.74	-41.60	-13.00	28.60	241	261	Horizontal
2	5086.5	54.67	-107.04	-52.37	-13.00	39.37	152	1	Horizontal
3	6781.5	59.92	-102.06	-42.14	-13.00	29.14	264	211	Horizontal
4	8479.2	45.92	-96.78	-50.86	-13.00	37.86	175	322	Horizontal
5	10175.04	43.64	-93.18	-49.54	-13.00	36.54	264	309	Horizontal
6	11870.88	42.18	-91.66	-49.48	-13.00	36.48	325	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3390.75	76.73	-111.74	-35.01	-13.00	22.01	263	199	Vertical
2	5086.5	59.17	-107.04	-47.87	-13.00	34.87	341	261	Vertical
3	6781.5	65.01	-102.06	-37.05	-13.00	24.05	246	248	Vertical
4	8477.25	53.05	-96.79	-43.74	-13.00	30.74	264	174	Vertical
5	11868.75	48.89	-91.66	-42.77	-13.00	29.77	185	126	Vertical
6	13563.75	53.45	-89.69	-36.24	-13.00	23.24	267	286	Vertical

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Test Band = SA n70 BW 10M_ 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	3390.75	72.88	-111.74	-38.86	-13.00	25.86	261	89	Horizontal
2	5086.5	56.41	-107.04	-50.63	-13.00	37.63	186	322	Horizontal
3	6782.25	56.02	-102.06	-46.04	-13.00	33.04	294	224	Horizontal
4	8477.25	52.58	-96.79	-44.21	-13.00	31.21	172	297	Horizontal
5	10173.54	42.77	-93.19	-50.42	-13.00	37.42	264	186	Horizontal
6	11869.13	42.13	-91.66	-49.53	-13.00	36.53	177	260	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3390.75	73.88	-111.74	-37.86	-13.00	24.86	263	88	Vertical
2	5086.5	67.37	-107.04	-39.67	-13.00	26.67	241	298	Vertical
3	6781.5	67.23	-102.06	-34.83	-13.00	21.83	175	272	Vertical
4	8477.25	53.32	-96.79	-43.47	-13.00	30.47	264	99	Vertical
5	10173.54	43.31	-93.19	-49.88	-13.00	36.88	185	335	Vertical
6	13563.75	54.59	-89.69	-35.10	-13.00	22.10	261	261	Vertical

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Test Band = SA n70 BW 10M _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	3396	71.67	-111.75	-40.08	-13.00	27.08	263	285	Horizontal
2	5094	57.29	-106.99	-49.70	-13.00	36.70	241	63	Horizontal
3	6791.25	56.20	-102.04	-45.84	-13.00	32.84	175	141	Horizontal
4	8490	50.60	-96.75	-46.15	-13.00	33.15	264	100	Horizontal
5	10188.54	43.68	-93.13	-49.45	-13.00	36.45	267	198	Horizontal
6	13583.25	48.31	-89.89	-41.58	-13.00	28.58	184	333	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3395.25	74.66	-111.75	-37.09	-13.00	24.09	231	309	Vertical
2	5094	60.07	-106.99	-46.92	-13.00	33.92	142	0	Vertical
3	6791.25	69.09	-102.04	-32.95	-13.00	19.95	264	246	Vertical
4	8489.25	57.39	-96.75	-39.36	-13.00	26.36	175	259	Vertical
5	10187.25	47.63	-93.14	-45.51	-13.00	32.51	267	151	Vertical
6	13583.25	53.16	-89.89	-36.73	-13.00	23.73	175	259	Vertical

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Test Band = SA n70 BW 10M _ 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	3400.5	69.96	-111.75	-41.79	-13.00	28.79	264	89	Horizontal
2	5100.75	52.56	-106.95	-54.39	-13.00	41.39	172	168	Horizontal
3	6801.75	58.42	-102.01	-43.59	-13.00	30.59	269	12	Horizontal
4	8502	50.32	-96.72	-46.40	-13.00	33.40	175	273	Horizontal
5	10203.54	43.99	-93.10	-49.11	-13.00	36.11	264	273	Horizontal
6	11904.13	42.43	-91.63	-49.20	-13.00	36.20	177	114	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3400.5	76.30	-111.75	-35.45	-13.00	22.45	245	310	Vertical
2	5101.5	64.28	-106.95	-42.67	-13.00	29.67	264	286	Vertical
3	6801.75	62.40	-102.01	-39.61	-13.00	26.61	274	29	Vertical
4	8502	53.44	-96.72	-43.28	-13.00	30.28	175	162	Vertical
5	10203.54	43.02	-93.10	-50.08	-13.00	37.08	127	127	Vertical
6	13602.75	49.81	-90.08	-40.27	-13.00	27.27	265	273	Vertical

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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
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VH	NT	2.600000	0.001527	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	2.400000	0.001410	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.400000	0.001410	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VH	NT	-4.300000	-0.002526	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VN	NT	-3.100000	-0.001821	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VL	NT	-5.800000	-0.003407	PASS

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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	1.600000	0.000940	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.200000	0.001880	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	4.900000	0.002878	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	4.000000	0.002349	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	3.000000	0.001762	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	3.500000	0.002056	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	2.000000	0.001175	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	3.000000	0.001762	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	50	1.100000	0.000646	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-30	-3.600000	-0.002115	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-20	-3.300000	-0.001938	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-10	-3.100000	-0.001821	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	0	-2.500000	-0.001468	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	10	-2.100000	-0.001233	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	20	-2.300000	-0.001351	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	30	-2.400000	-0.001410	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	40	-0.500000	-0.000294	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	50	-3.000000	-0.001762	PASS

The End

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