Appendix

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编：215000 t (86-512) 62992980 sgs.china@sgs.com

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

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory
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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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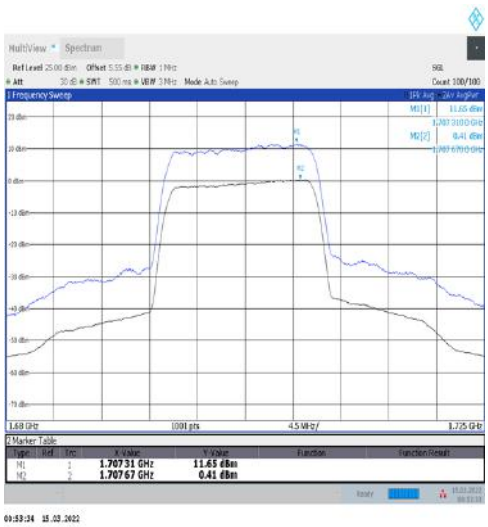
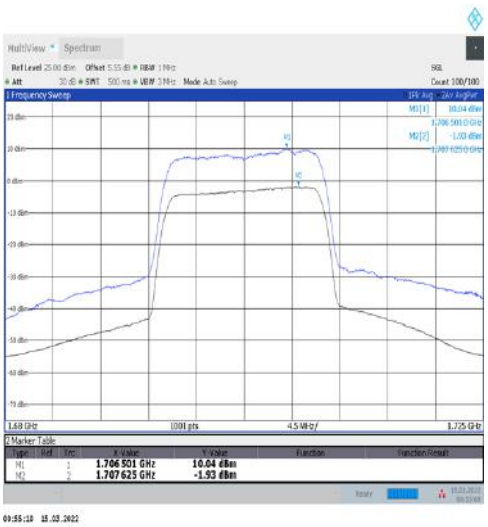
Peak-to-Average Ratio for SA

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

Test Graphs

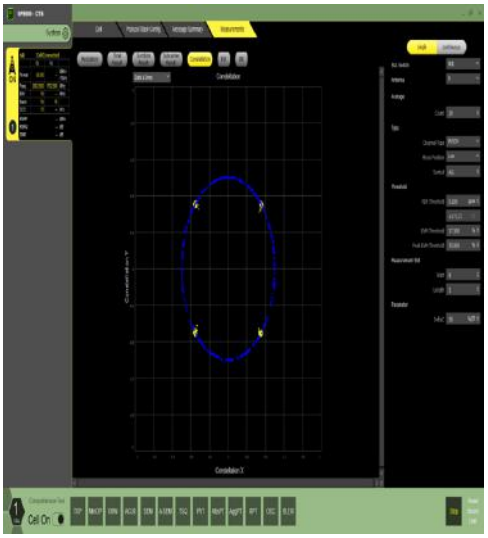
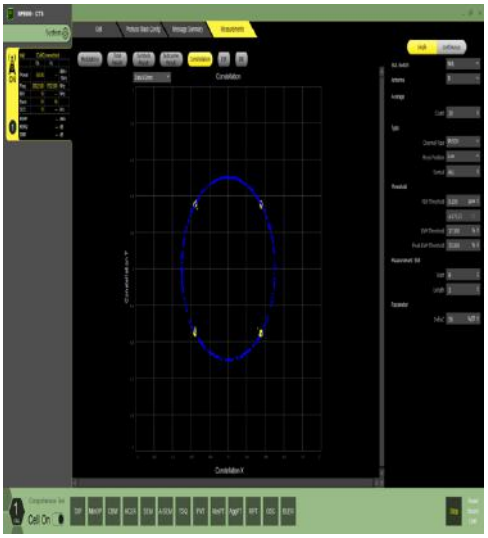
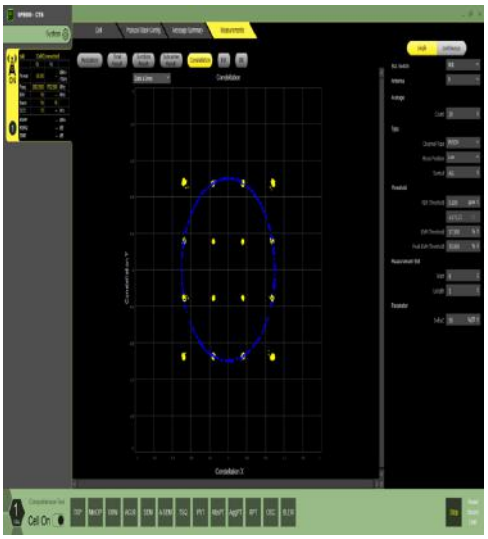
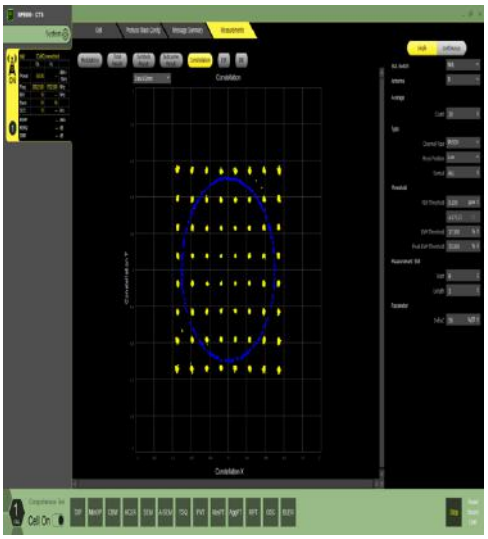
	
1-N70-15-15-M-1-DFT-256QAM-Outer_Full-75@0-Ant1-11.24-100%-0.00-11.24-PASS-≤13	1-N70-15-15-M-2-CP-256QAM-Outer_Full-79@0-Ant1-11.97-100%-0.00-11.97-PASS-≤13

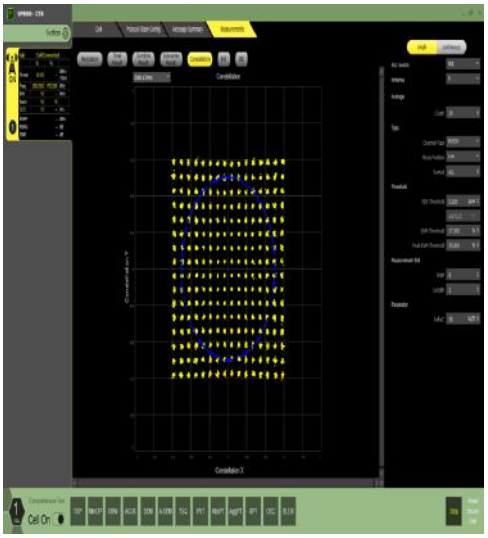
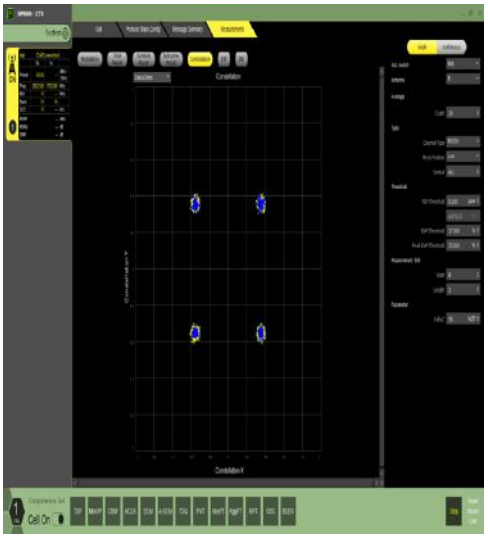
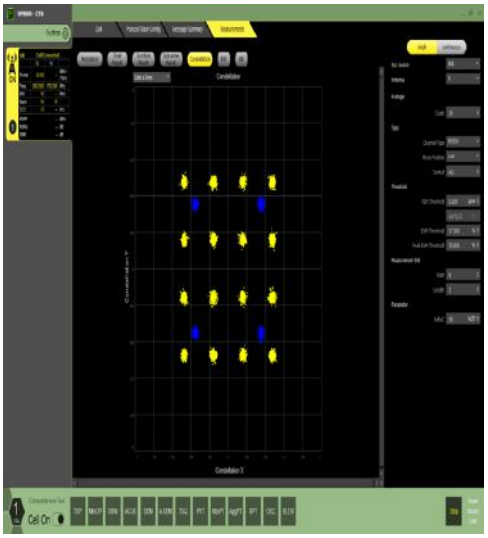
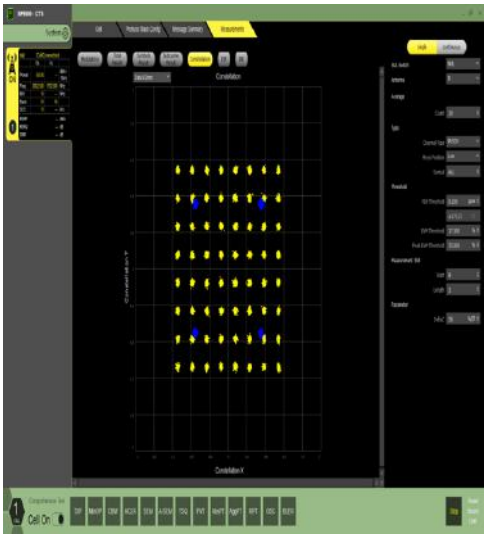
Modulation characteristics for SA

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

Test Graphs

	
1-N70-15-15-M-1-DFT-PI2BPSK-Outer_Full-75@0-Ant1-see graph-PASS	1-N70-15-15-M-2-DFT-QPSK-Outer_Full-75@0-Ant1-see graph-PASS
	
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

	
1-N70-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-see graph-PASS	1-N70-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-see graph-PASS
	
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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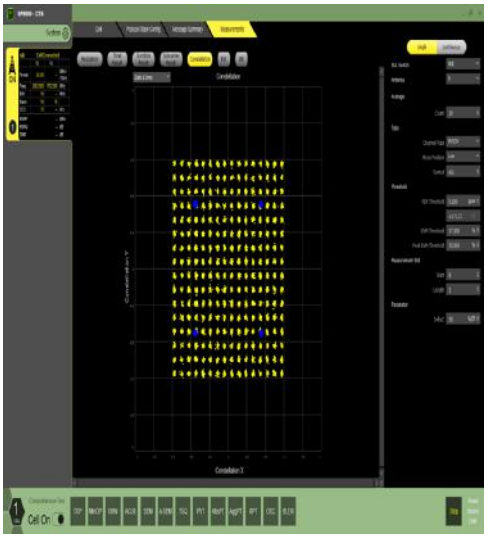
	
1-N70-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-see graph-PASS	

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

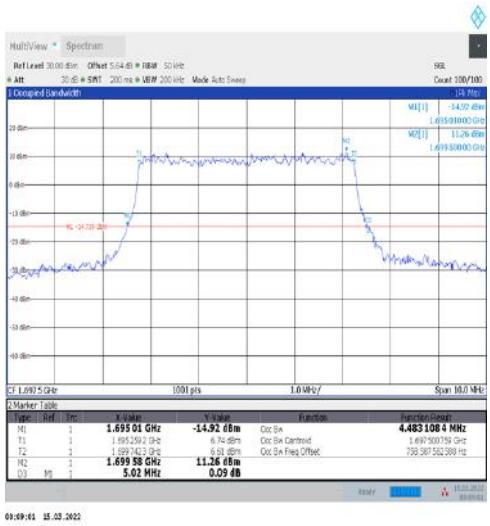
N70	15	10	CP-QPSK	L	Outer_Full	9.307	10.160	PASS
N70	15	10	CP-16QAM	L	Outer_Full	9.3	10.200	PASS
N70	15	10	CP-64QAM	L	Outer_Full	9.302	10.120	PASS
N70	15	10	CP-256QAM	L	Outer_Full	9.303	10.040	PASS
N70	15	10	DFT-QPSK	M	Outer_Full	8.925	9.680	PASS
N70	15	10	DFT-PI2BPSK	M	Outer_Full	8.917	9.640	PASS
N70	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

Test Graphs

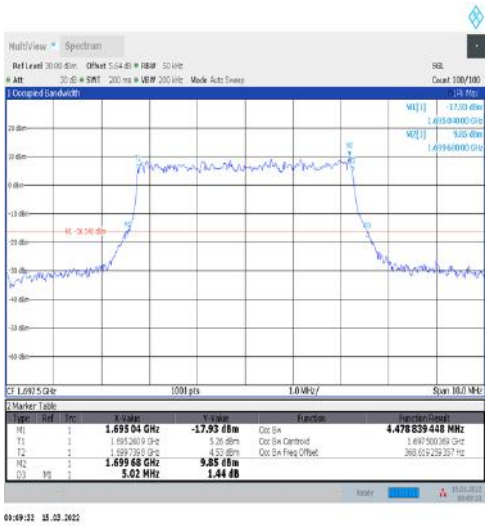
1-N70-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.479-5.030-≤5-PASS

1-N70-15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.48-5.020-≤5-PASS

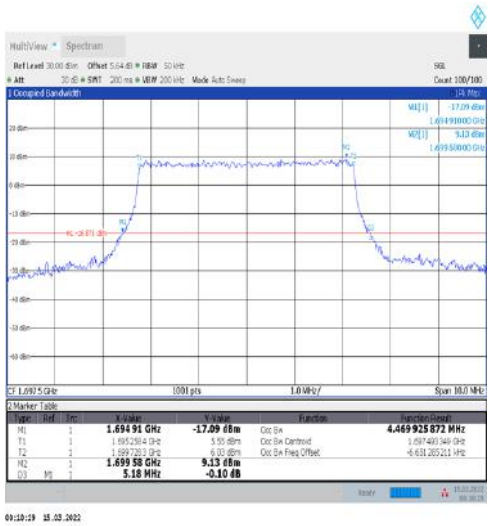
1-N70-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.473-5.070-≤5-PASS



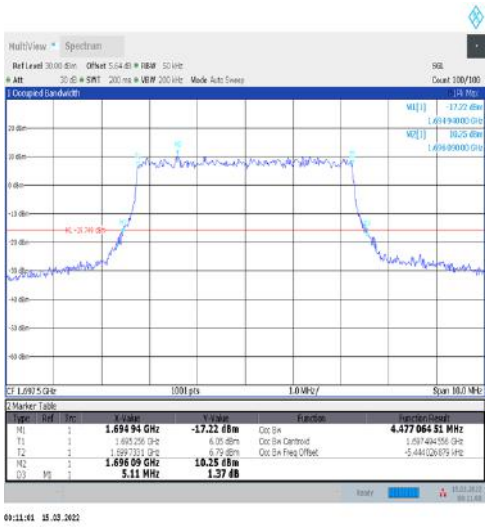
1-N70-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.483-5.020-≤5-PASS



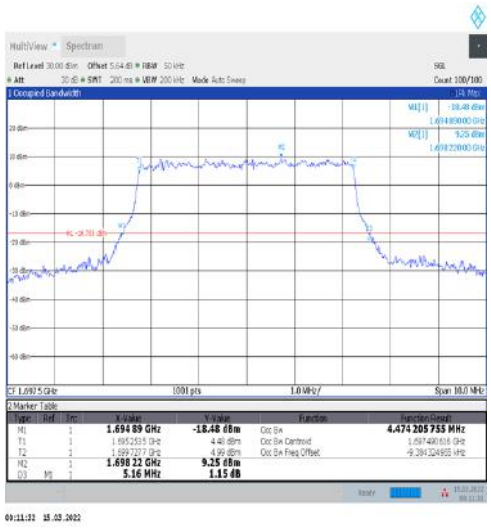
1-N70-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.479-5.020-≤5-PASS



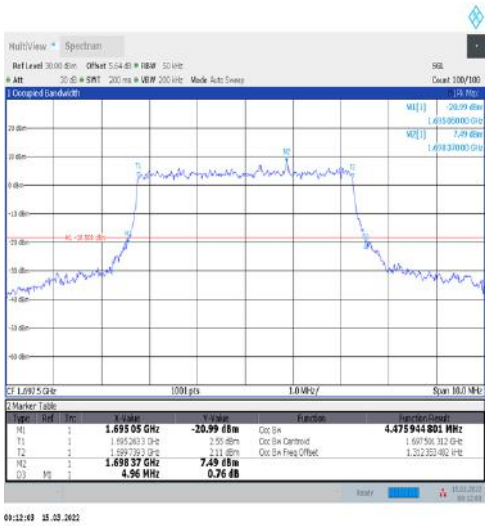
1-N70-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.47-5.180-≤5-PASS



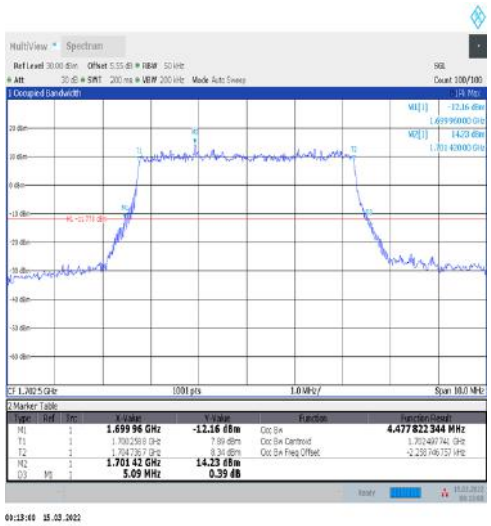
1-N70-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.477-5.110-≤5-PASS



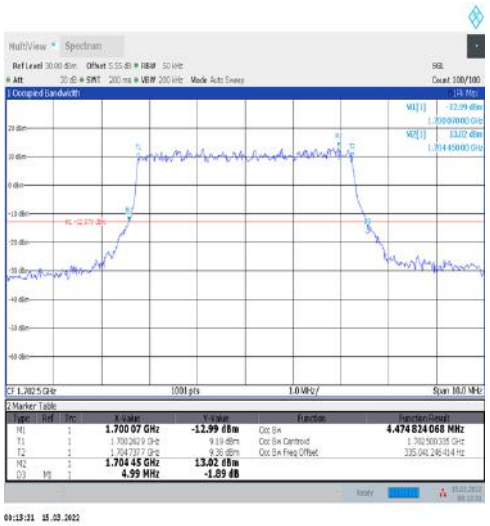
1-N70-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.474-5.160-≤5-PASS



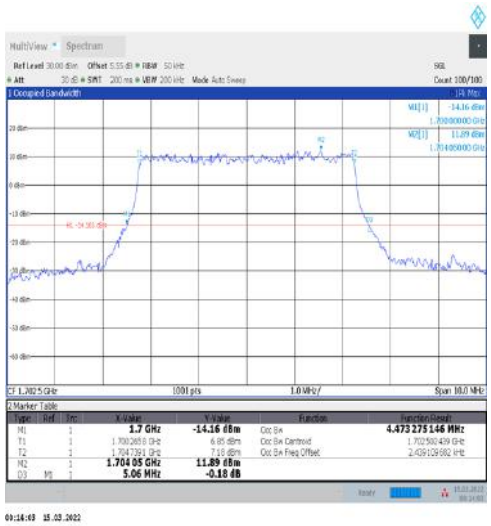
1-N70-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.476-4.960-≤5-PASS



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

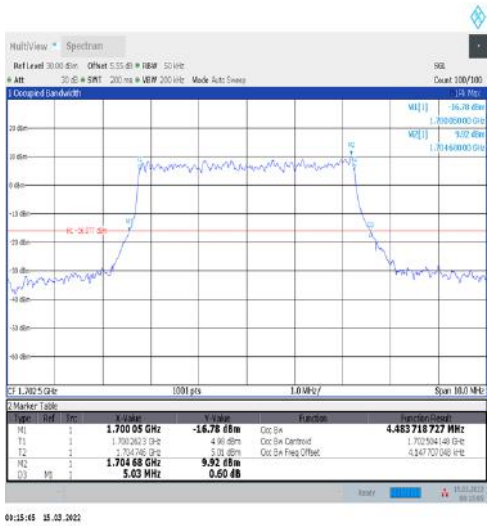


1-N70-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.475-4.990-≤5-PASS



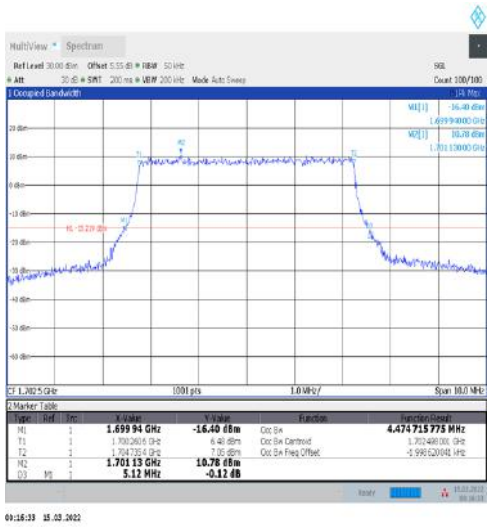
1-N70-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.473-5.060-≤5-PASS

1-N70-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.483-5.040-≤5-PASS

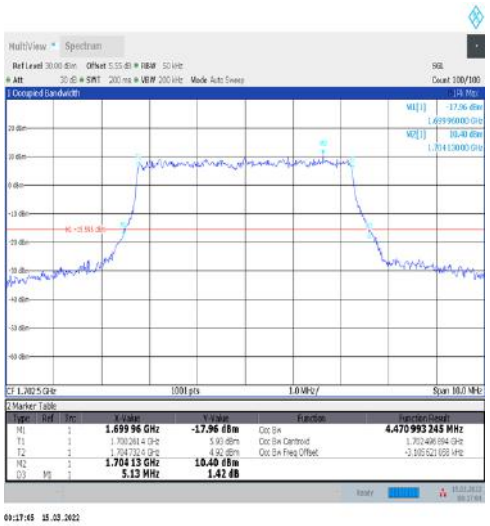


1-N70-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.484-5.030-≤5-PASS

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

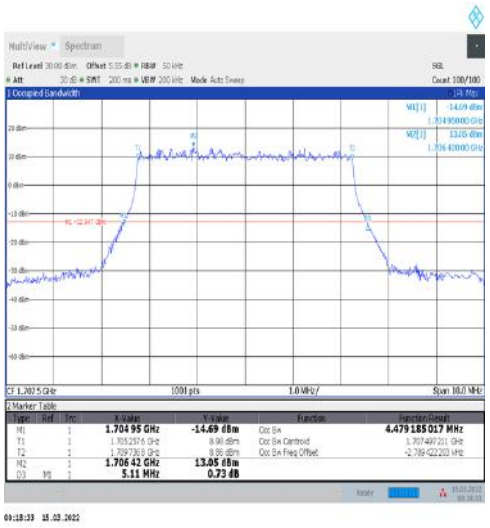


1-N70-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.475-5.120-≤5-PASS

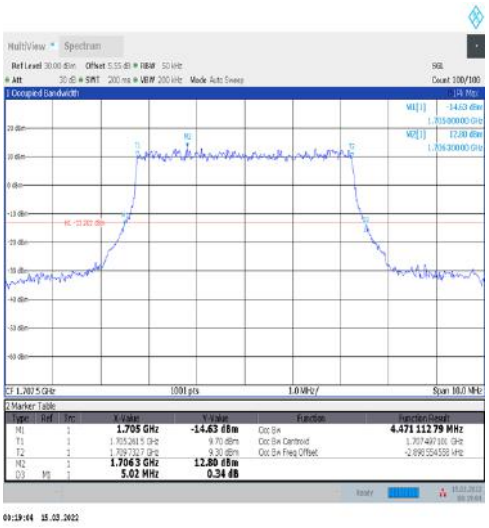


1-N70-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.471-5.130-≤5-PASS

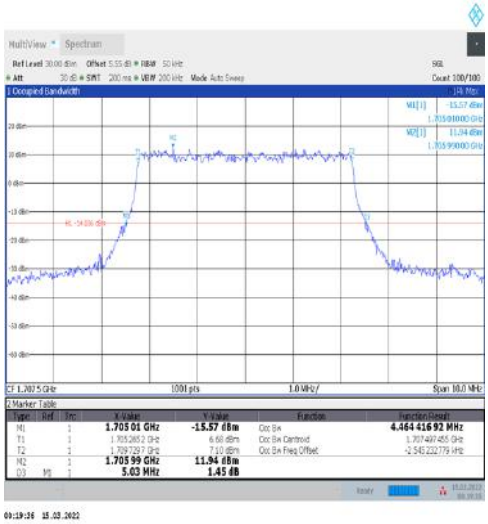
1-N70-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.472-5.030-≤5-PASS



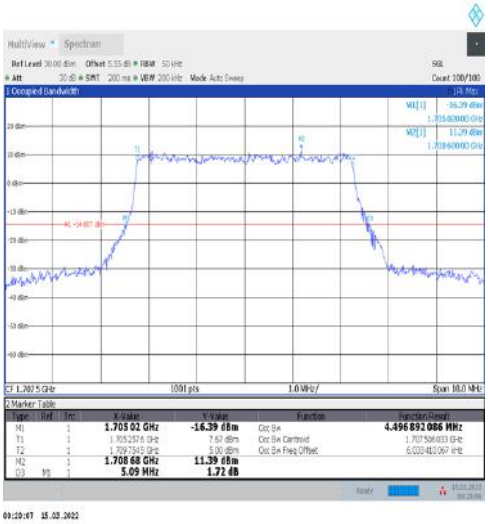
1-N70-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.479-5.110-≤5-PASS



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

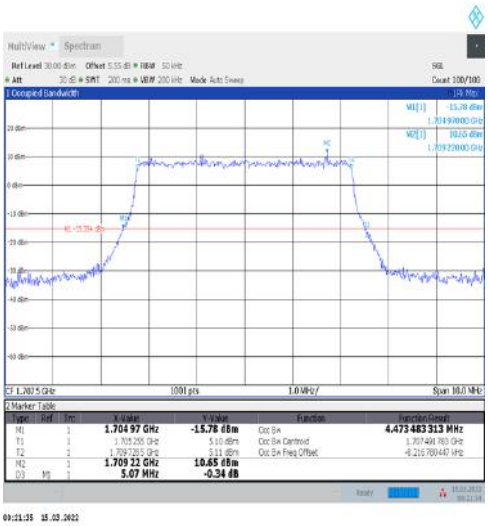


1-N70-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.464-5.030-≤5-PASS

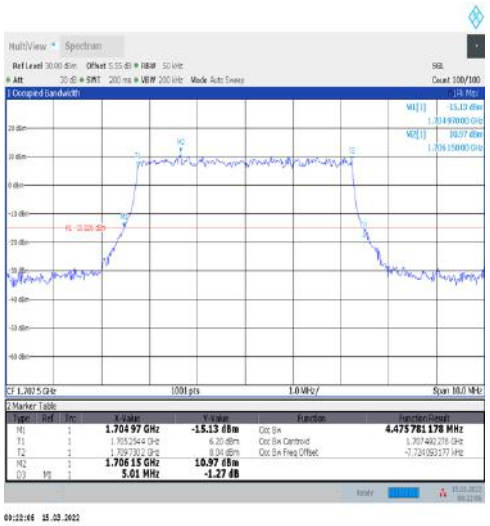


1-N70-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.497-5.090-≤5-PASS

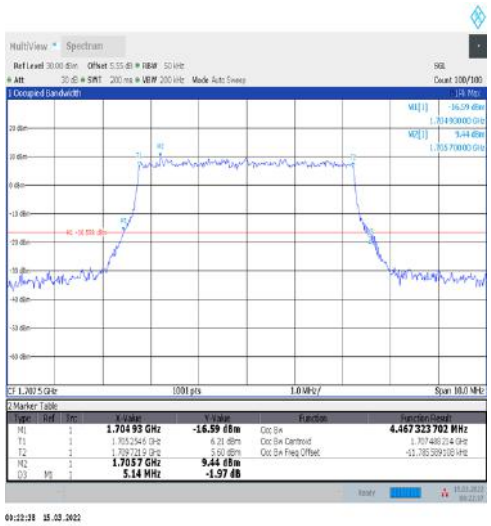
1-N70-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.497-5.030-≤5-PASS



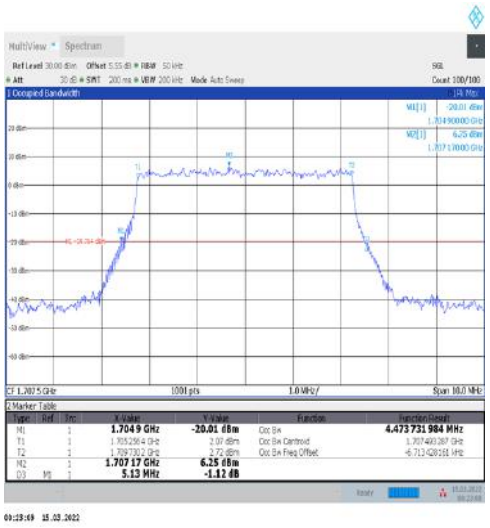
1-N70-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.473-5.070-≤5-PASS



1-N70-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.476-5.010-≤5-PASS



1-N70-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.467-5.140-≤5-PASS



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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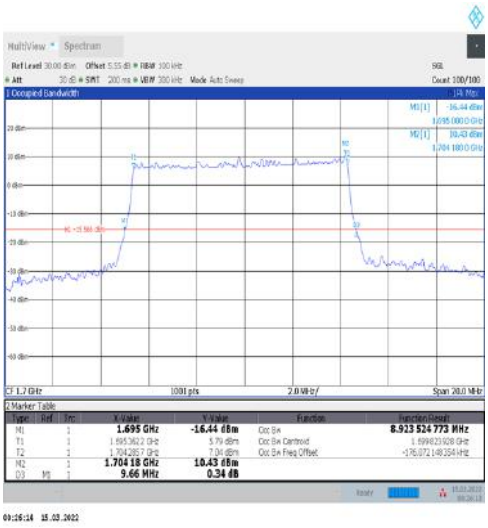
1-N70-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.919-9.580-≤10-PASS

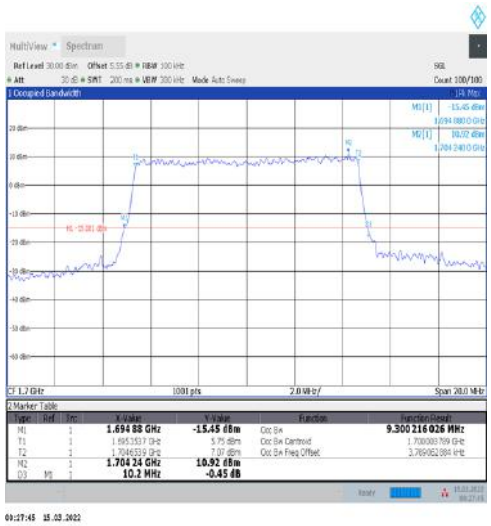
1-N70-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.958-9.720-≤10-PASS

1-N70-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.944-9.580-≤10-PASS

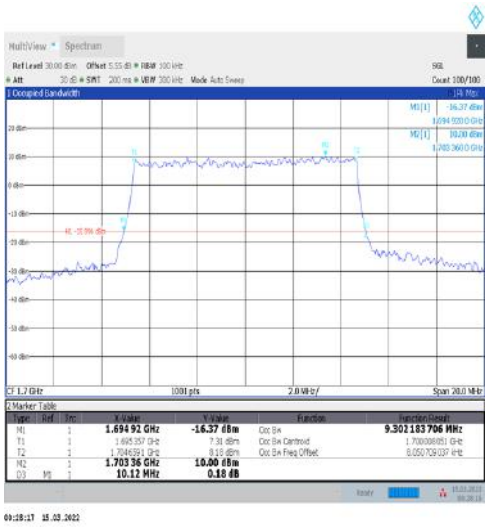


1-N70-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.924-9.660-≤10-PASS

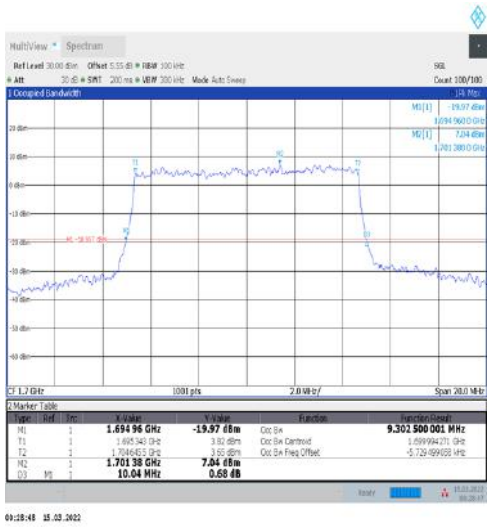
1-N70-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9.307-10.160-≤10-PASS



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



1-N70-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.302-10.120-≤10-PASS



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

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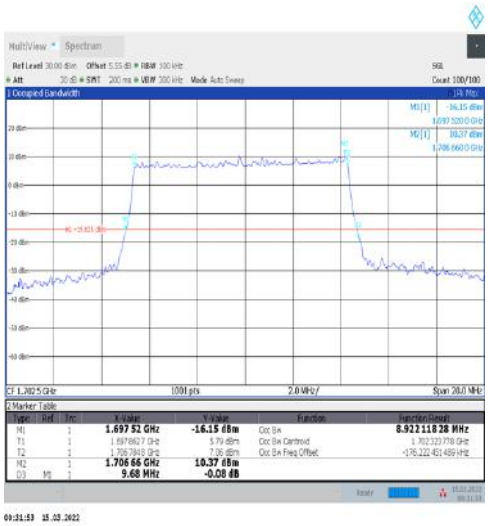
1-N70-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.925-9.680-≤10-PASS

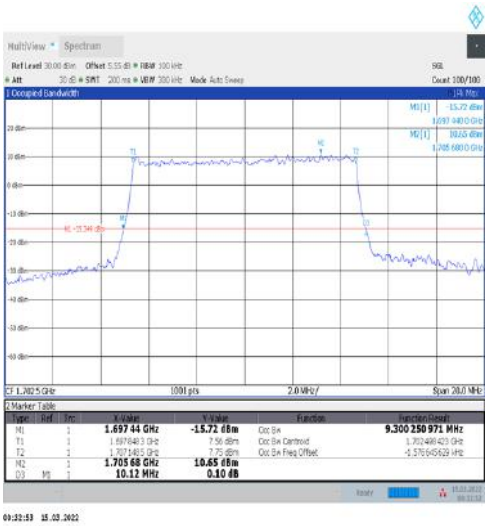
1-N70-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.917-9.640-≤10-PASS

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

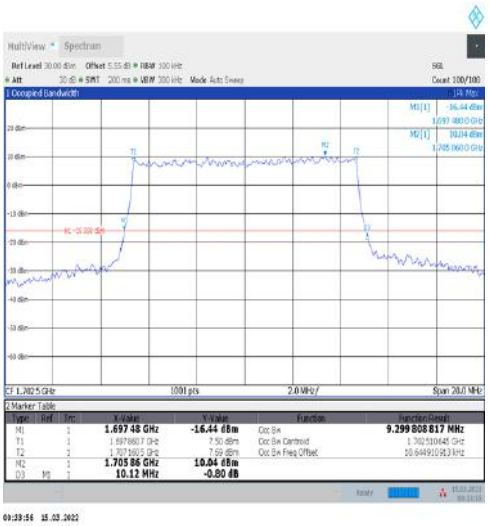


1-N70-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.922-9.680-≤10-PASS

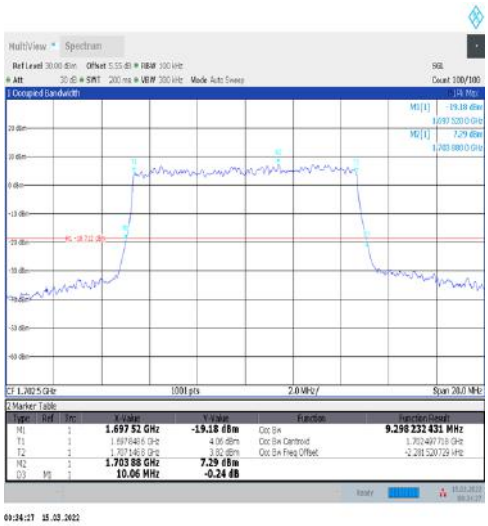


1-N70-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.3-10.120-≤10-PASS

1-N70-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.289-10.100-≤10-PASS



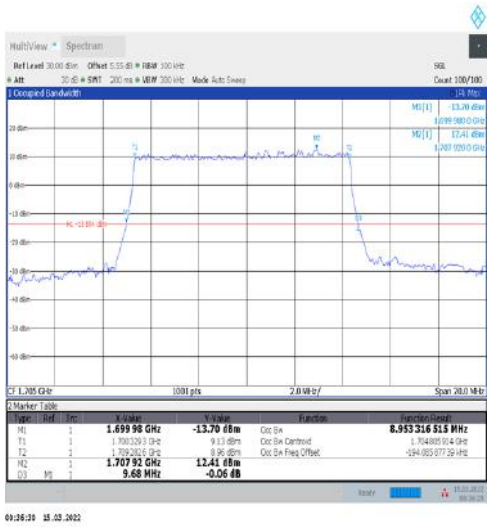
1-N70-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.3-10.120-≤10-PASS



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

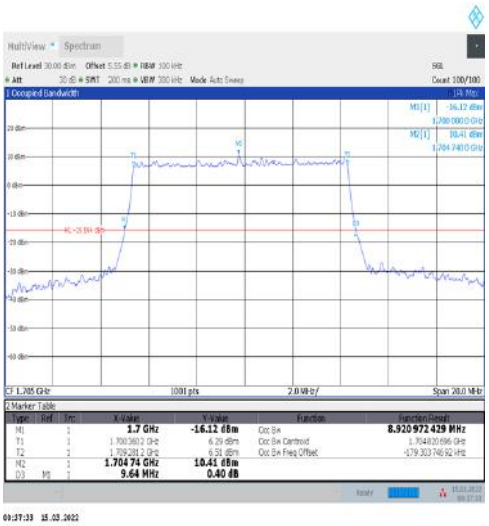
1-N70-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.935-9.740-≤10-PASS

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

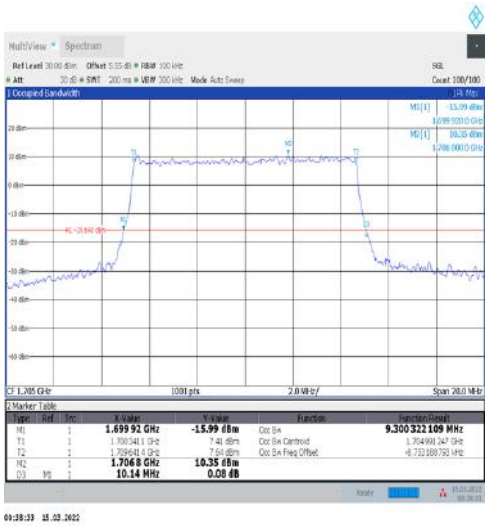


1-N70-15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.953-9.680-≤10-PASS

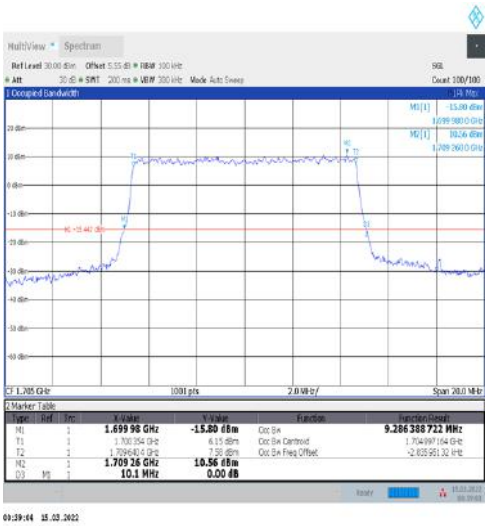
1-N70-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.927-9.500-≤10-PASS



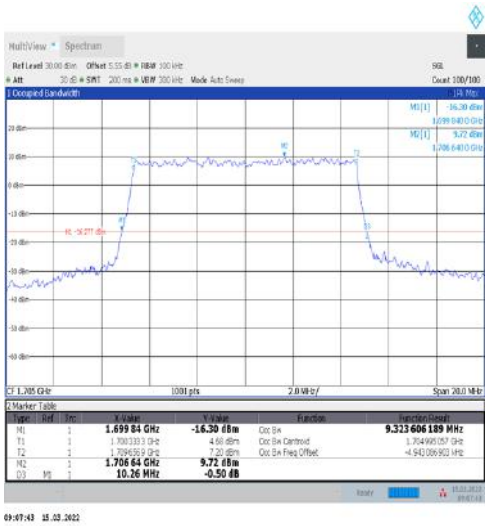
1-N70-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.921-9.640-≤10-PASS



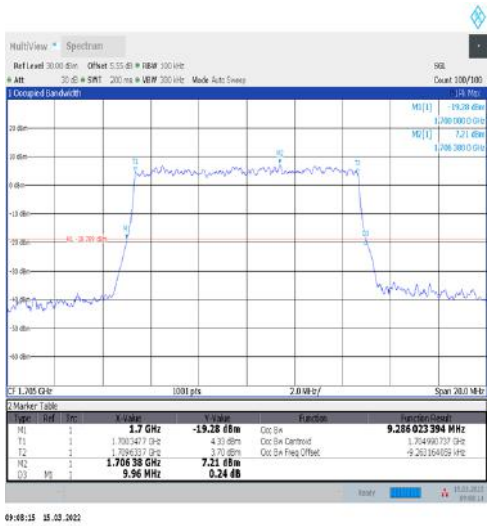
1-N70-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.3-10.140-≤10-PASS



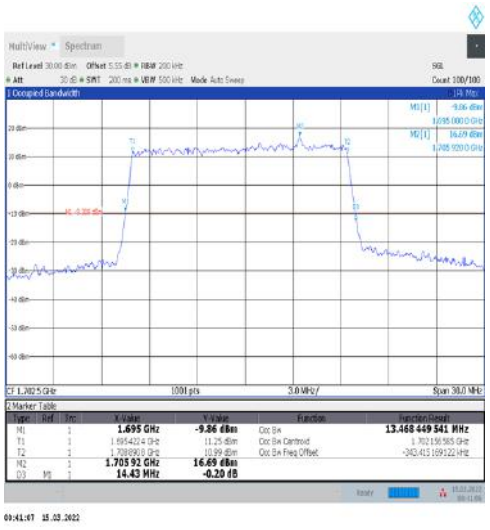
1-N70-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.286-10.100-≤10-PASS



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



1-N70-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.468-14.430-≤15-PASS

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

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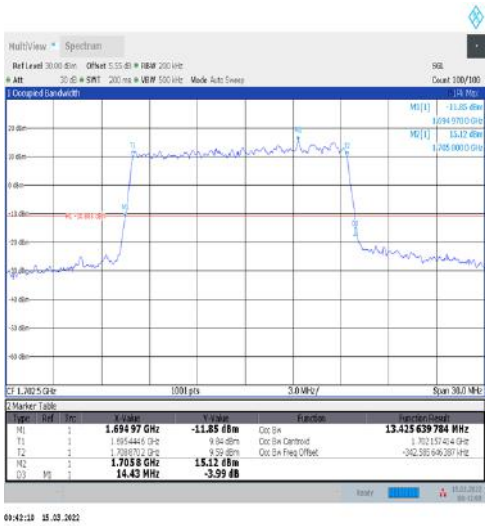

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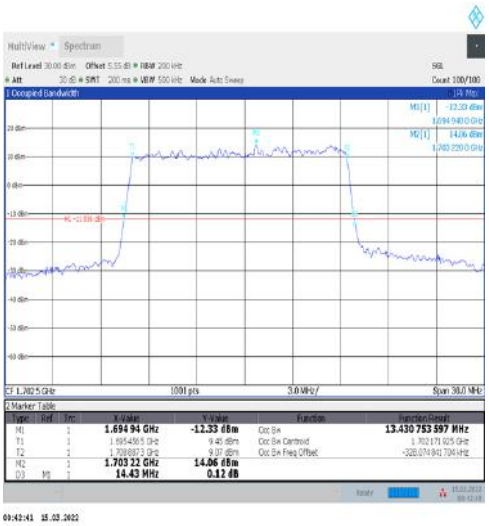
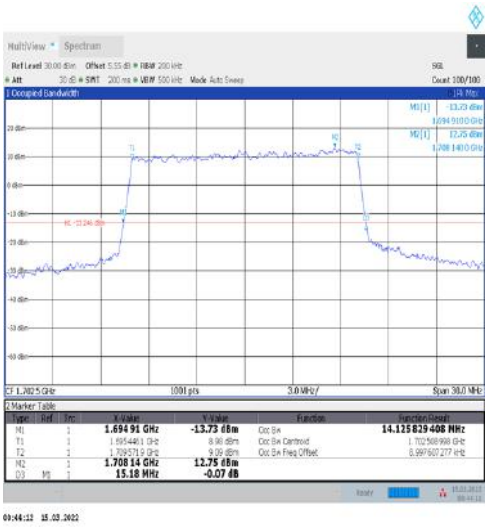


1-N70-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.431-14.430-≤15-PASS

1-N70-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.475-14.430-≤15-PASS



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

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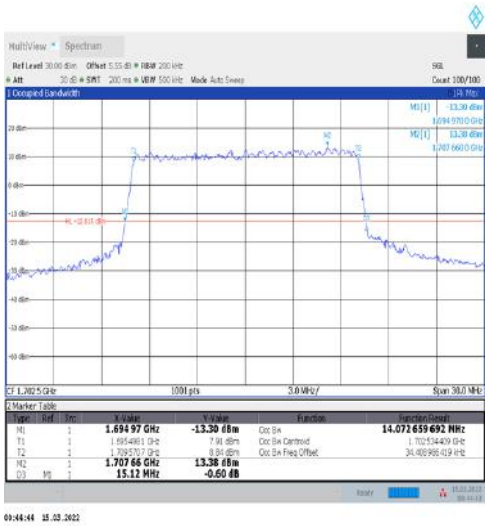	
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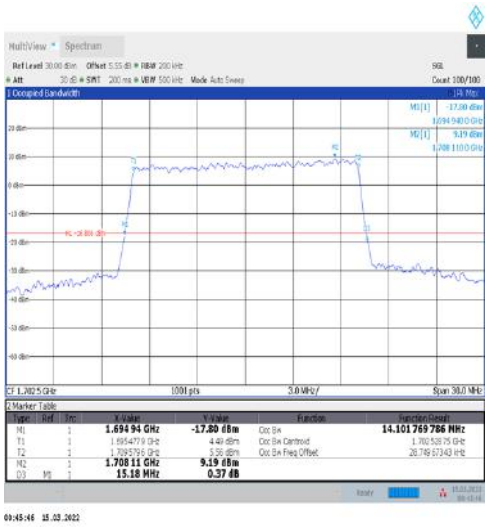	
1-N70-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.102-15.180-≤15-PASS	

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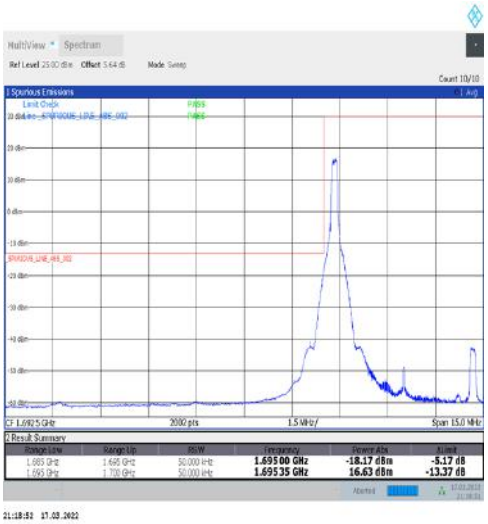
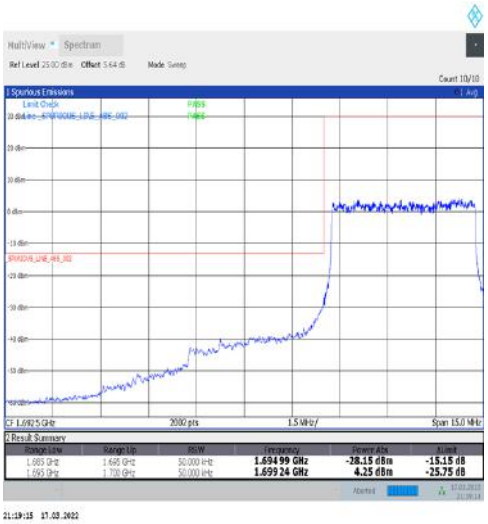
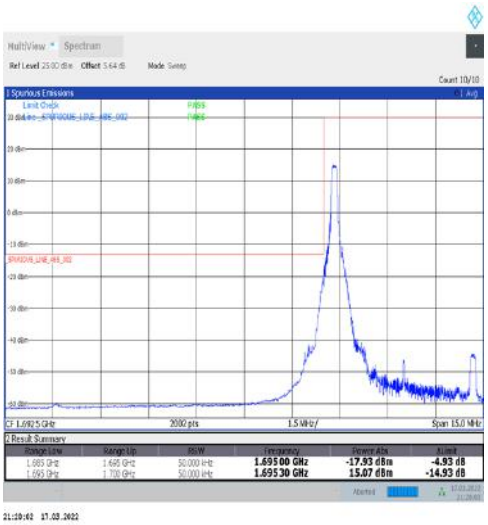
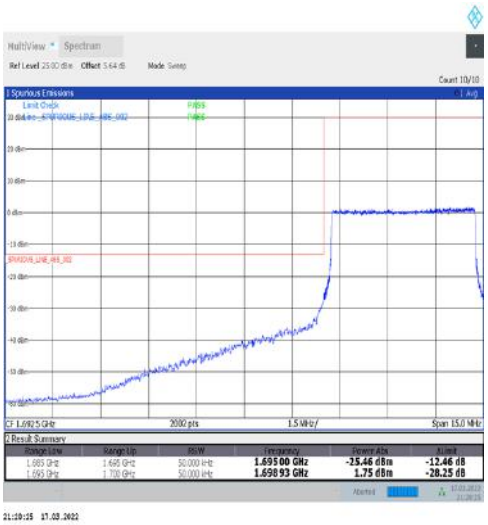
Band Edge for SA

Test Graphs

	
1-N70-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph	1-N70-15-5-L-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph
	
1-N70-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph	1-N70-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph

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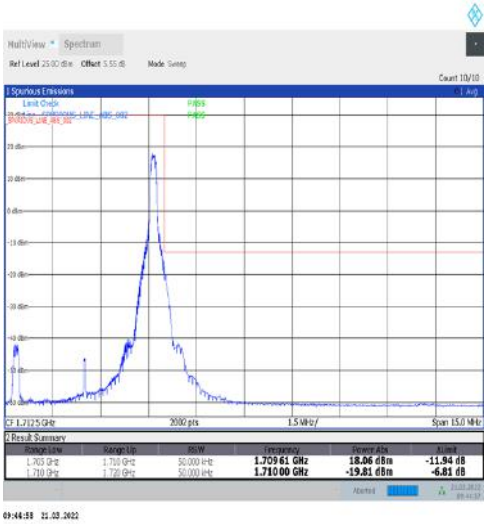
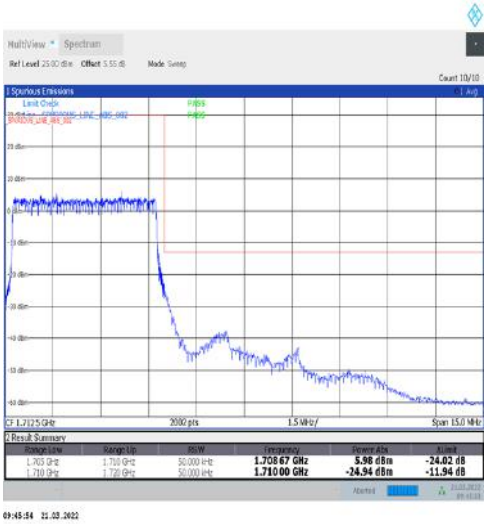


1-N70-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-seegraph-PASS-see graph



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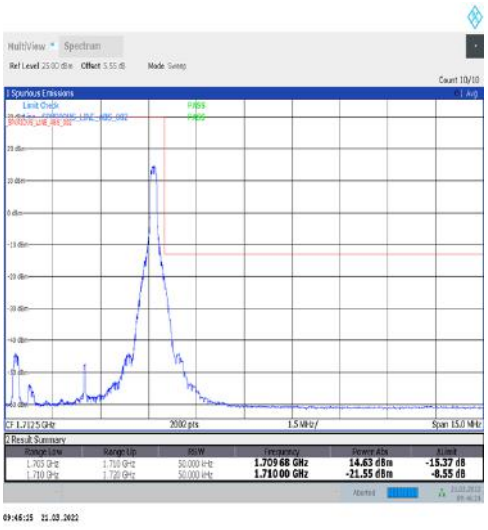

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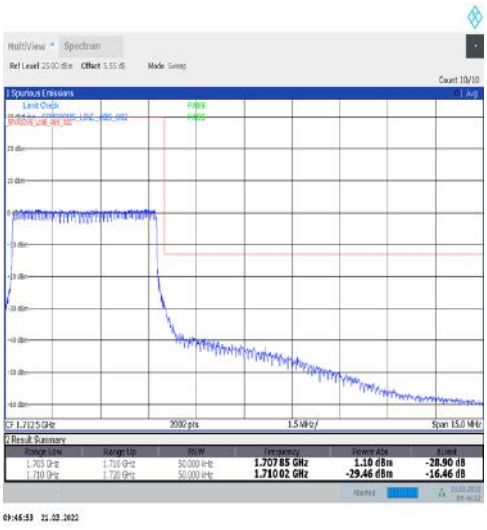

1-N70-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph

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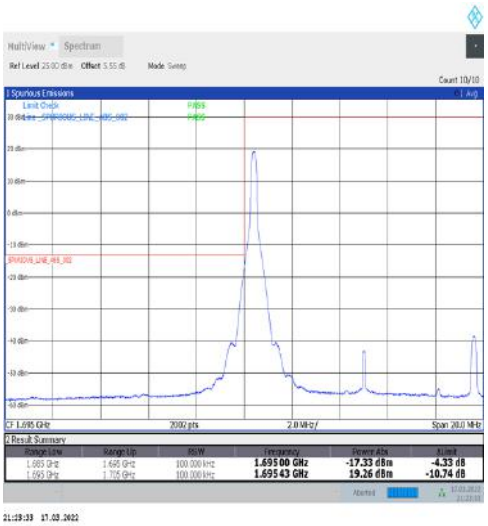

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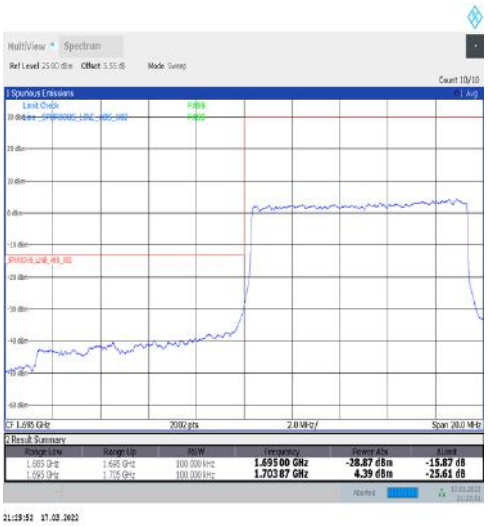

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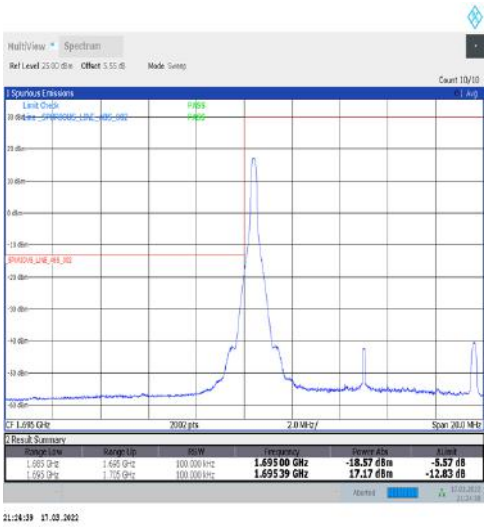

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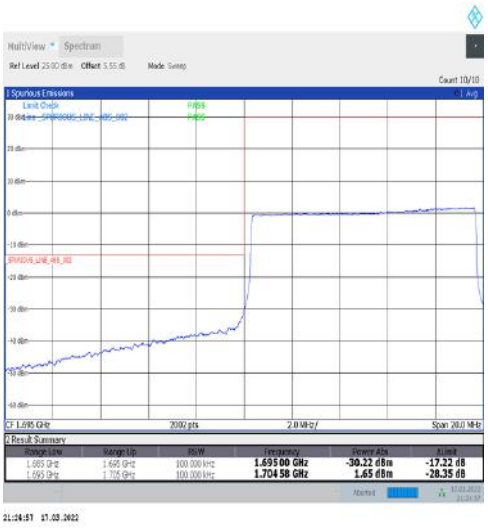

1-N70-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-seegraph-PASS-see graph

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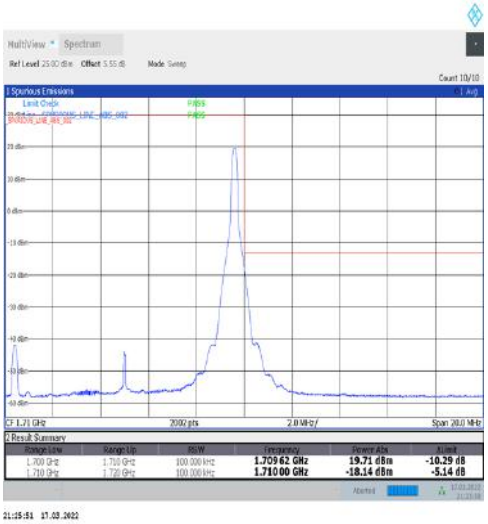	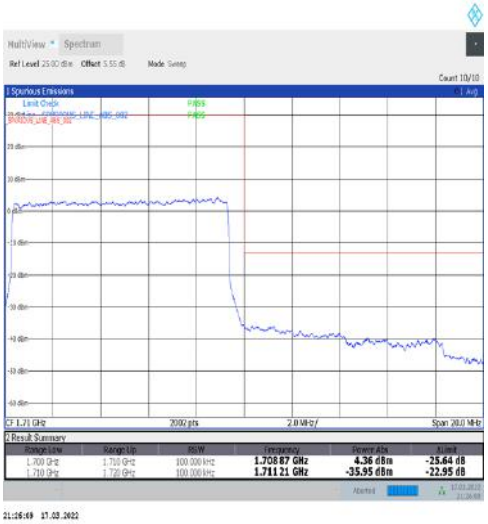
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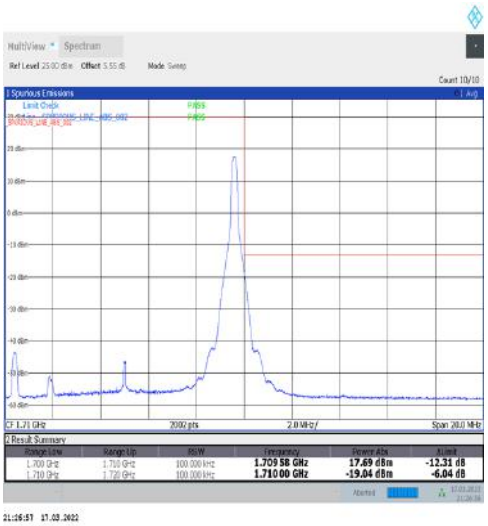	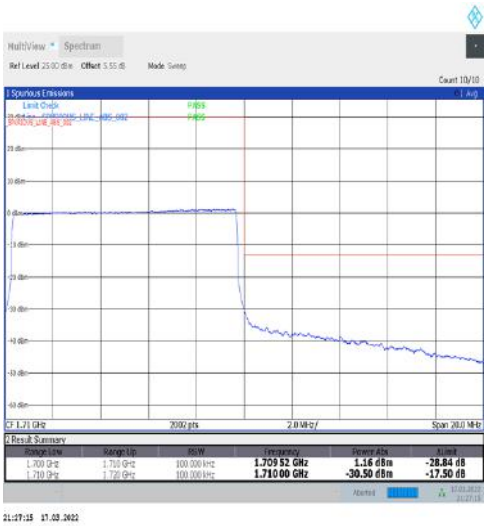
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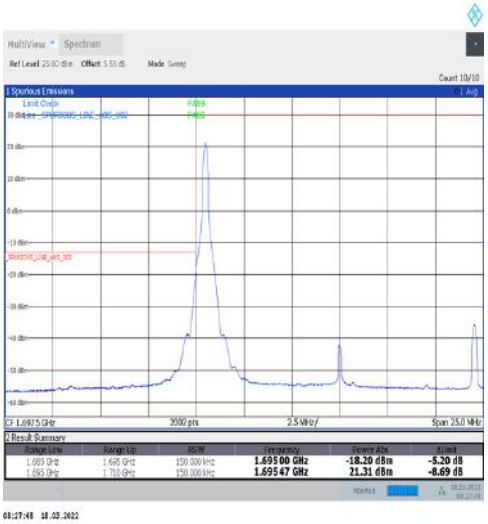
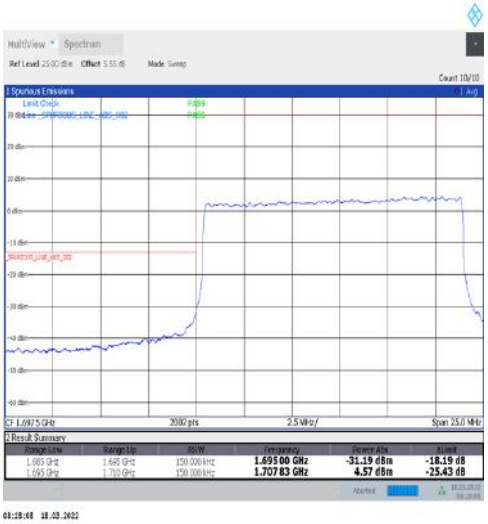
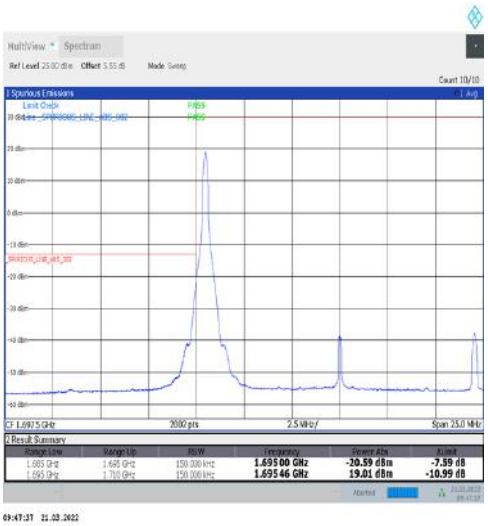
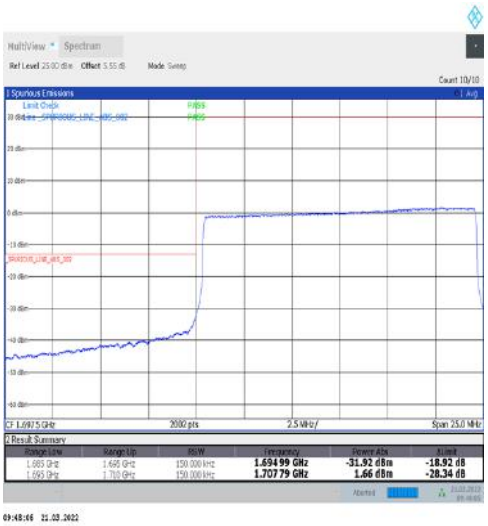
	
1-N70-15-15-M-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph	1-N70-15-15-M-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-seegraph-PASS-see graph
	
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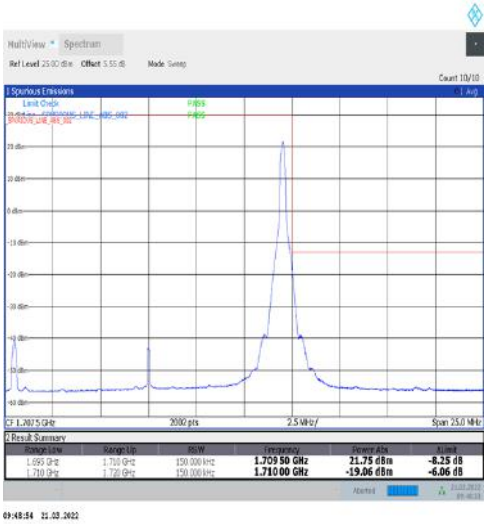	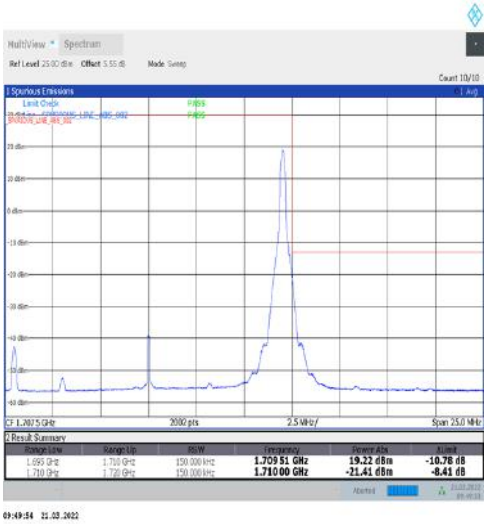
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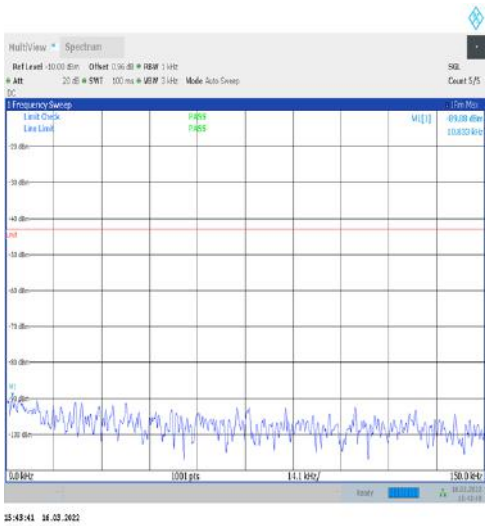
Conducted Spurious Emission for SA

Test Graphs



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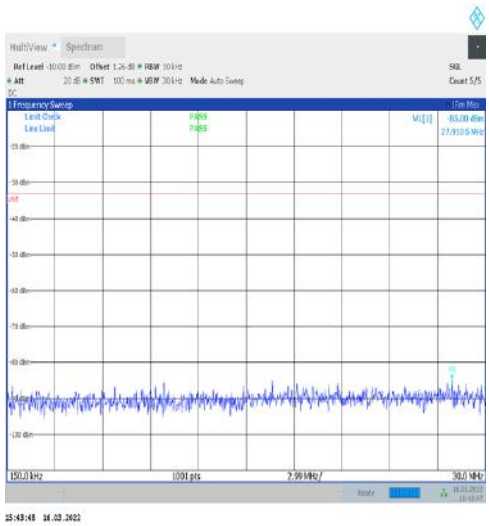

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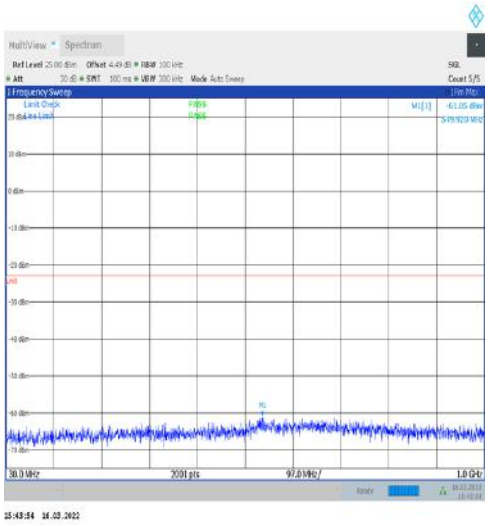

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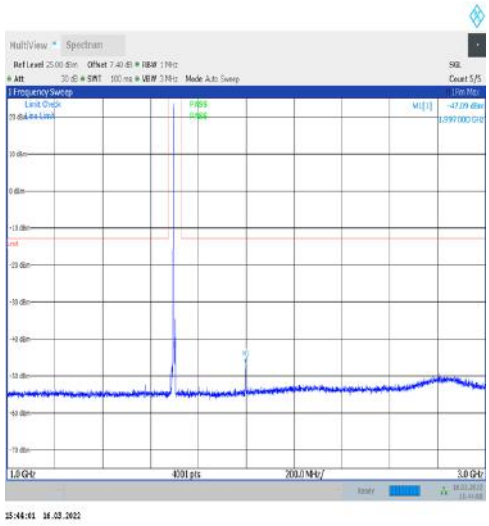

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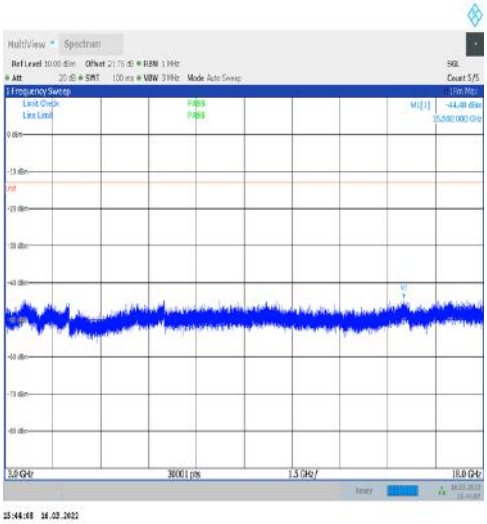	
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Field Strength of Spurious Radiation

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

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

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

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

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

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