Appendix B.41

NR Band n70

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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
N70	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.20	24.50	30.00	PASS
N70	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.11	24.41	30.00	PASS
N70	15	5	DFT-PI2BPSK	L	Outer_Full	22.62	23.92	30.00	PASS
N70	15	5	DFT-QPSK	L	Inner_1RB_Left	23.01	24.31	30.00	PASS
N70	15	5	DFT-QPSK	L	Inner_1RB_Right	22.99	24.29	30.00	PASS
N70	15	5	DFT-QPSK	L	Outer_Full	22.16	23.46	30.00	PASS
N70	15	5	DFT-16QAM	L	Inner_1RB_Left	22.11	23.41	30.00	PASS
N70	15	5	DFT-16QAM	L	Inner_1RB_Right	22.03	23.33	30.00	PASS
N70	15	5	DFT-16QAM	L	Outer_Full	21.12	22.42	30.00	PASS
N70	15	5	DFT-64QAM	L	Inner_1RB_Left	20.78	22.08	30.00	PASS
N70	15	5	DFT-64QAM	L	Inner_1RB_Right	20.77	22.07	30.00	PASS
N70	15	5	DFT-64QAM	L	Outer_Full	20.60	21.90	30.00	PASS
N70	15	5	DFT-256QAM	L	Inner_1RB_Left	18.13	19.43	30.00	PASS
N70	15	5	DFT-256QAM	L	Inner_1RB_Right	18.12	19.42	30.00	PASS
N70	15	5	DFT-256QAM	L	Outer_Full	18.58	19.88	30.00	PASS
N70	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.13	24.43	30.00	PASS
N70	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.07	24.37	30.00	PASS
N70	15	5	DFT-PI2BPSK	M	Outer_Full	22.59	23.89	30.00	PASS
N70	15	5	DFT-QPSK	M	Inner_1RB_Left	22.92	24.22	30.00	PASS
N70	15	5	DFT-QPSK	M	Inner_1RB_Right	23.00	24.30	30.00	PASS
N70	15	5	DFT-QPSK	M	Outer_Full	22.13	23.43	30.00	PASS
N70	15	5	DFT-16QAM	M	Inner_1RB_Left	22.06	23.36	30.00	PASS
N70	15	5	DFT-16QAM	M	Inner_1RB_Right	22.01	23.31	30.00	PASS
N70	15	5	DFT-16QAM	M	Outer_Full	21.09	22.39	30.00	PASS
N70	15	5	DFT-64QAM	M	Inner_1RB_Left	20.76	22.06	30.00	PASS
N70	15	5	DFT-64QAM	M	Inner_1RB_Right	20.64	21.94	30.00	PASS
N70	15	5	DFT-64QAM	M	Outer_Full	20.55	21.85	30.00	PASS
N70	15	5	DFT-256QAM	M	Inner_1RB_Left	18.05	19.35	30.00	PASS
N70	15	5	DFT-256QAM	M	Inner_1RB_Right	18.03	19.33	30.00	PASS
N70	15	5	DFT-256QAM	M	Outer_Full	18.52	19.82	30.00	PASS
N70	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.09	24.39	30.00	PASS
N70	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.01	24.31	30.00	PASS

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N70	15	5	DFT-PI2BPSK	H	Outer_Full	22.63	23.93	30.00	PASS
N70	15	5	DFT-QPSK	H	Inner_1RB_Left	22.95	24.25	30.00	PASS
N70	15	5	DFT-QPSK	H	Inner_1RB_Right	22.89	24.19	30.00	PASS
N70	15	5	DFT-QPSK	H	Outer_Full	22.11	23.41	30.00	PASS
N70	15	5	DFT-16QAM	H	Inner_1RB_Left	22.07	23.37	30.00	PASS
N70	15	5	DFT-16QAM	H	Inner_1RB_Right	21.95	23.25	30.00	PASS
N70	15	5	DFT-16QAM	H	Outer_Full	21.10	22.40	30.00	PASS
N70	15	5	DFT-64QAM	H	Inner_1RB_Left	20.72	22.02	30.00	PASS
N70	15	5	DFT-64QAM	H	Inner_1RB_Right	20.64	21.94	30.00	PASS
N70	15	5	DFT-64QAM	H	Outer_Full	20.61	21.91	30.00	PASS
N70	15	5	DFT-256QAM	H	Inner_1RB_Left	18.10	19.40	30.00	PASS
N70	15	5	DFT-256QAM	H	Inner_1RB_Right	18.01	19.31	30.00	PASS
N70	15	5	DFT-256QAM	H	Outer_Full	18.55	19.85	30.00	PASS
N70	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.05	24.35	30.00	PASS
N70	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.07	24.37	30.00	PASS
N70	15	10	DFT-PI2BPSK	L	Outer_Full	22.61	23.91	30.00	PASS
N70	15	10	DFT-QPSK	L	Inner_1RB_Left	22.93	24.23	30.00	PASS
N70	15	10	DFT-QPSK	L	Inner_1RB_Right	22.95	24.25	30.00	PASS
N70	15	10	DFT-QPSK	L	Outer_Full	22.16	23.46	30.00	PASS
N70	15	10	DFT-16QAM	L	Inner_1RB_Left	22.03	23.33	30.00	PASS
N70	15	10	DFT-16QAM	L	Inner_1RB_Right	21.96	23.26	30.00	PASS
N70	15	10	DFT-16QAM	L	Outer_Full	21.08	22.38	30.00	PASS
N70	15	10	DFT-64QAM	L	Inner_1RB_Left	20.81	22.11	30.00	PASS
N70	15	10	DFT-64QAM	L	Inner_1RB_Right	20.71	22.01	30.00	PASS
N70	15	10	DFT-64QAM	L	Outer_Full	20.63	21.93	30.00	PASS
N70	15	10	DFT-256QAM	L	Inner_1RB_Left	18.12	19.42	30.00	PASS
N70	15	10	DFT-256QAM	L	Inner_1RB_Right	18.03	19.33	30.00	PASS
N70	15	10	DFT-256QAM	L	Outer_Full	18.56	19.86	30.00	PASS
N70	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.11	24.41	30.00	PASS
N70	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.12	24.42	30.00	PASS
N70	15	10	DFT-PI2BPSK	M	Outer_Full	22.59	23.89	30.00	PASS
N70	15	10	DFT-QPSK	M	Inner_1RB_Left	22.87	24.17	30.00	PASS
N70	15	10	DFT-QPSK	M	Inner_1RB_Right	23.00	24.30	30.00	PASS
N70	15	10	DFT-QPSK	M	Outer_Full	22.10	23.40	30.00	PASS
N70	15	10	DFT-16QAM	M	Inner_1RB_Left	21.94	23.24	30.00	PASS
N70	15	10	DFT-16QAM	M	Inner_1RB_Right	21.99	23.29	30.00	PASS
N70	15	10	DFT-16QAM	M	Outer_Full	21.09	22.39	30.00	PASS
N70	15	10	DFT-64QAM	M	Inner_1RB_Left	20.65	21.95	30.00	PASS

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N70	15	10	DFT-64QAM	M	Inner_1RB_Right	20.62	21.92	30.00	PASS
N70	15	10	DFT-64QAM	M	Outer_Full	20.63	21.93	30.00	PASS
N70	15	10	DFT-256QAM	M	Inner_1RB_Left	18.04	19.34	30.00	PASS
N70	15	10	DFT-256QAM	M	Inner_1RB_Right	18.01	19.31	30.00	PASS
N70	15	10	DFT-256QAM	M	Outer_Full	18.54	19.84	30.00	PASS
N70	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.02	24.32	30.00	PASS
N70	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.99	24.29	30.00	PASS
N70	15	10	DFT-PI2BPSK	H	Outer_Full	22.59	23.89	30.00	PASS
N70	15	10	DFT-QPSK	H	Inner_1RB_Left	22.97	24.27	30.00	PASS
N70	15	10	DFT-QPSK	H	Inner_1RB_Right	22.97	24.27	30.00	PASS
N70	15	10	DFT-QPSK	H	Outer_Full	22.53	23.83	30.00	PASS
N70	15	10	DFT-16QAM	H	Inner_1RB_Left	22.12	23.42	30.00	PASS
N70	15	10	DFT-16QAM	H	Inner_1RB_Right	22.23	23.53	30.00	PASS
N70	15	10	DFT-16QAM	H	Outer_Full	21.86	23.16	30.00	PASS
N70	15	10	DFT-64QAM	H	Inner_1RB_Left	20.36	21.66	30.00	PASS
N70	15	10	DFT-64QAM	H	Inner_1RB_Right	20.27	21.57	30.00	PASS
N70	15	10	DFT-64QAM	H	Outer_Full	20.16	21.46	30.00	PASS
N70	15	10	DFT-256QAM	H	Inner_1RB_Left	17.98	19.28	30.00	PASS
N70	15	10	DFT-256QAM	H	Inner_1RB_Right	17.94	19.24	30.00	PASS
N70	15	10	DFT-256QAM	H	Outer_Full	18.57	19.87	30.00	PASS
N70	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.18	24.48	30.00	PASS
N70	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.19	24.49	30.00	PASS
N70	15	15	DFT-PI2BPSK	L	Outer_Full	22.69	23.99	30.00	PASS
N70	15	15	DFT-QPSK	L	Inner_1RB_Left	22.99	24.29	30.00	PASS
N70	15	15	DFT-QPSK	L	Inner_1RB_Right	23.13	24.43	30.00	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	22.21	23.51	30.00	PASS
N70	15	15	DFT-16QAM	L	Inner_1RB_Left	22.10	23.40	30.00	PASS
N70	15	15	DFT-16QAM	L	Inner_1RB_Right	22.13	23.43	30.00	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	21.23	22.53	30.00	PASS
N70	15	15	DFT-64QAM	L	Inner_1RB_Left	20.79	22.09	30.00	PASS
N70	15	15	DFT-64QAM	L	Inner_1RB_Right	20.87	22.17	30.00	PASS
N70	15	15	DFT-64QAM	L	Outer_Full	20.71	22.01	30.00	PASS
N70	15	15	DFT-256QAM	L	Inner_1RB_Left	18.18	19.48	30.00	PASS
N70	15	15	DFT-256QAM	L	Inner_1RB_Right	18.22	19.52	30.00	PASS
N70	15	15	DFT-256QAM	L	Outer_Full	18.63	19.93	30.00	PASS
N70	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.20	24.50	30.00	PASS
N70	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.21	24.51	30.00	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	22.72	24.02	30.00	PASS

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N70	15	15	DFT-QPSK	M	Inner_1RB_Left	23.05	24.35	30.00	PASS
N70	15	15	DFT-QPSK	M	Inner_1RB_Right	23.08	24.38	30.00	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	22.17	23.47	30.00	PASS
N70	15	15	DFT-16QAM	M	Inner_1RB_Left	22.09	23.39	30.00	PASS
N70	15	15	DFT-16QAM	M	Inner_1RB_Right	22.23	23.53	30.00	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	21.22	22.52	30.00	PASS
N70	15	15	DFT-64QAM	M	Inner_1RB_Left	20.77	22.07	30.00	PASS
N70	15	15	DFT-64QAM	M	Inner_1RB_Right	20.93	22.23	30.00	PASS
N70	15	15	DFT-64QAM	M	Outer_Full	20.79	22.09	30.00	PASS
N70	15	15	DFT-256QAM	M	Inner_1RB_Left	18.17	19.47	30.00	PASS
N70	15	15	DFT-256QAM	M	Inner_1RB_Right	18.22	19.52	30.00	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	18.63	19.93	30.00	PASS
N70	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.24	24.54	30.00	PASS
N70	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.23	24.53	30.00	PASS
N70	15	15	DFT-PI2BPSK	H	Outer_Full	22.74	24.04	30.00	PASS
N70	15	15	DFT-QPSK	H	Inner_1RB_Left	23.10	24.40	30.00	PASS
N70	15	15	DFT-QPSK	H	Inner_1RB_Right	23.10	24.40	30.00	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	22.22	23.52	30.00	PASS
N70	15	15	DFT-16QAM	H	Inner_1RB_Left	22.20	23.50	30.00	PASS
N70	15	15	DFT-16QAM	H	Inner_1RB_Right	22.21	23.51	30.00	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	21.23	22.53	30.00	PASS
N70	15	15	DFT-64QAM	H	Inner_1RB_Left	20.81	22.11	30.00	PASS
N70	15	15	DFT-64QAM	H	Inner_1RB_Right	20.85	22.15	30.00	PASS
N70	15	15	DFT-64QAM	H	Outer_Full	20.72	22.02	30.00	PASS
N70	15	15	DFT-256QAM	H	Inner_1RB_Left	18.21	19.51	30.00	PASS
N70	15	15	DFT-256QAM	H	Inner_1RB_Right	18.24	19.54	30.00	PASS
N70	15	15	DFT-256QAM	H	Outer_Full	18.65	19.95	30.00	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	L	Outer_Full	100%	0.00	8.85	≤13	PASS
N70	15	15	CP-256QAM	L	Outer_Full	100%	0.00	9.41	≤13	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	100%	0.00	8.89	≤13	PASS
N70	15	15	CP-256QAM	M	Outer_Full	100%	0.00	9.47	≤13	PASS
N70	15	15	DFT-256QAM	H	Outer_Full	100%	0.00	8.83	≤13	PASS
N70	15	15	CP-256QAM	H	Outer_Full	100%	0.00	9.54	≤13	PASS

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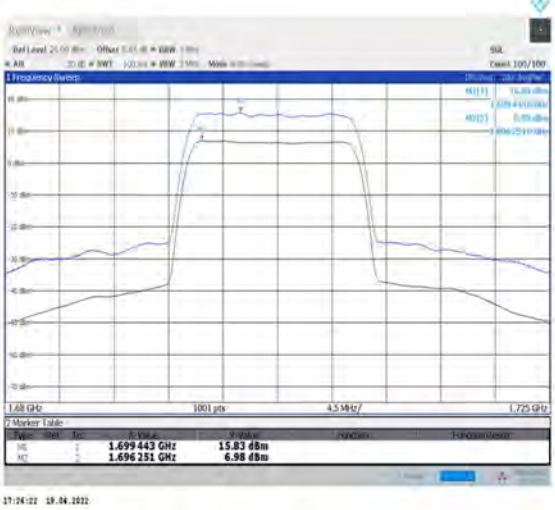
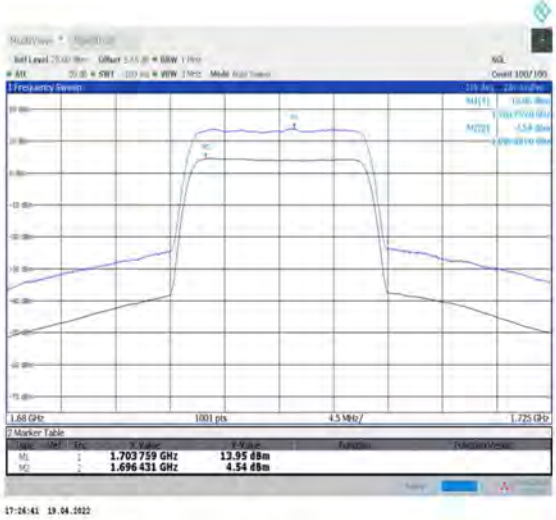
Test Graphs



1-N70--15-15-L-1-DFT-256QAM-Outer_Full-75@0-Ant1-8.85-100%-0.00-8.85-PASS-≤13



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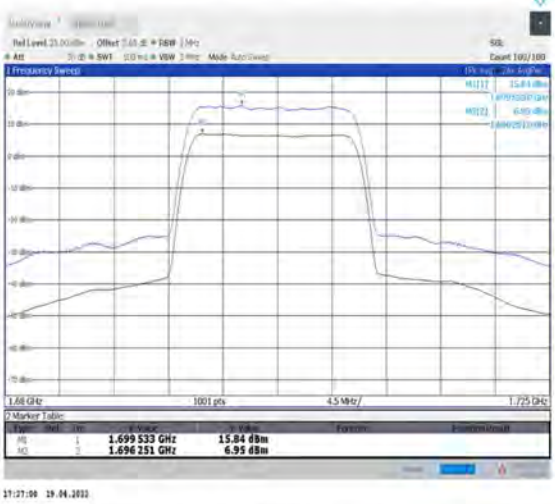

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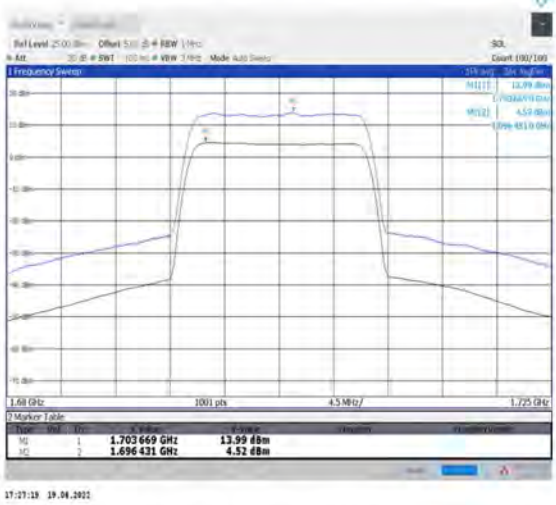

1-N70--15-15-M-2-CP-256QAM-Outer_Full-79@0-Ant1-9.47-100%-0.00-9.47-PASS-≤13

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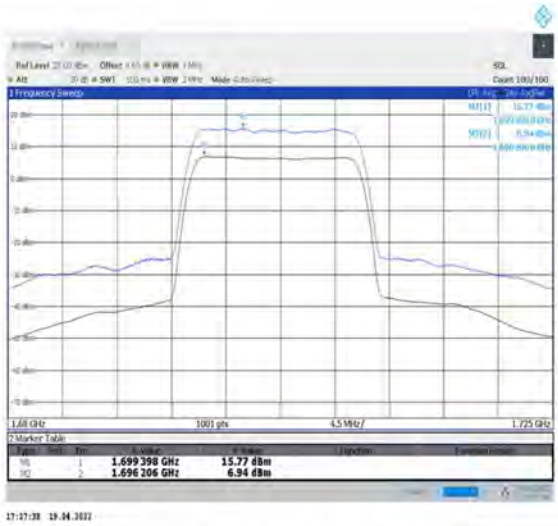	
1-N70--15-15-H-1-DFT-256QAM-Outer_Full-75@0-Ant1-8.83-100%-0.00-8.83-PASS-≤13	1-N70--15-15-H-2-CP-256QAM-Outer_Full-79@0-Ant1-9.54-100%-0.00-9.54-PASS-≤13

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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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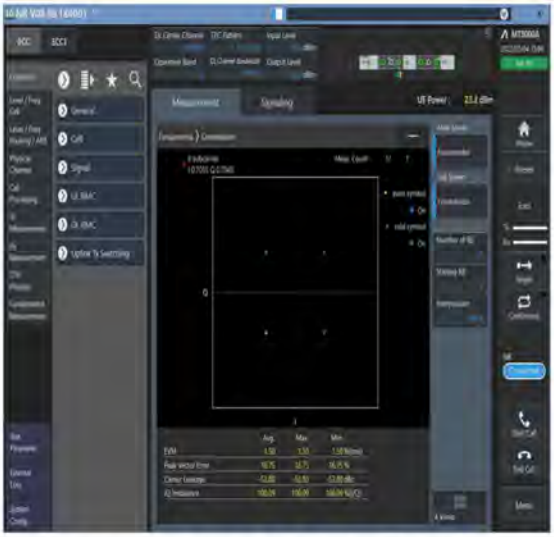
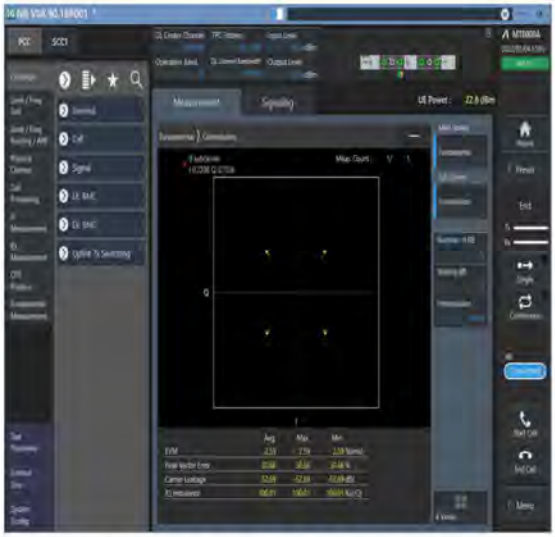
Test Graphs



1-N70-PC3-15-15-M-1-DFT-PI2BPSK-Outer_Full-75@0-Ant1-see graph-PASS



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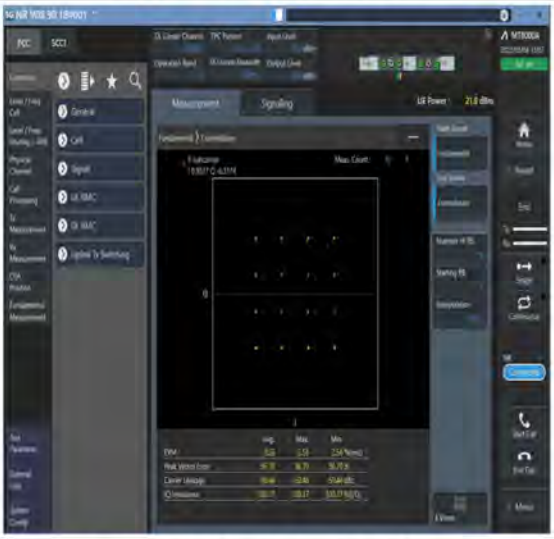

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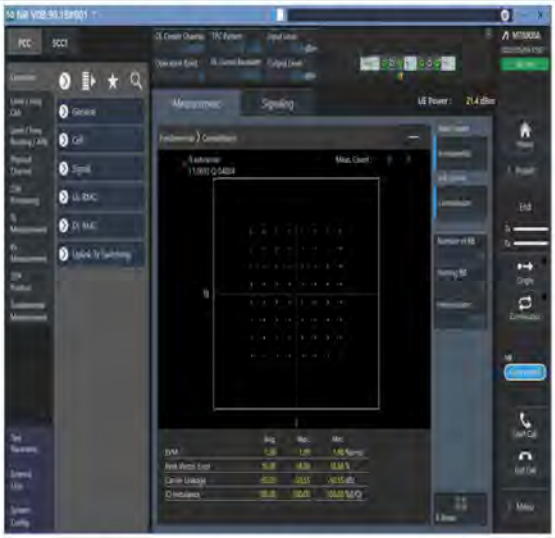

1-N70-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-see graph-PASS

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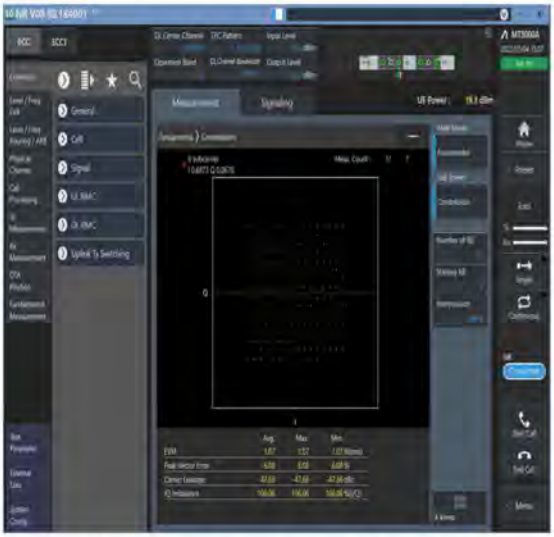
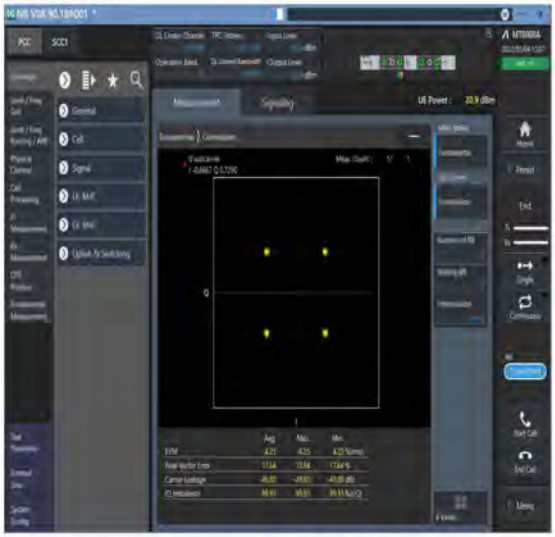
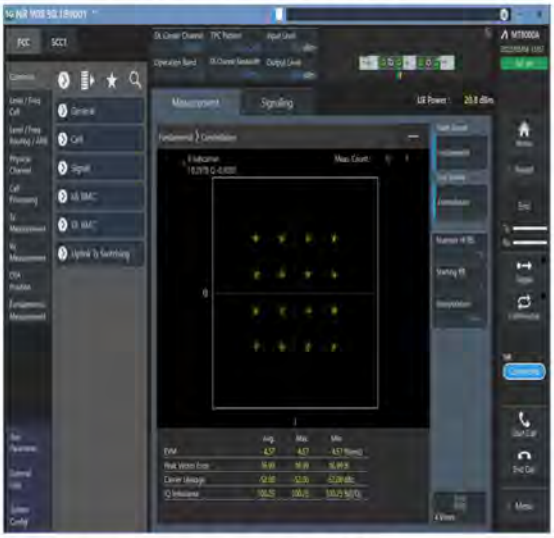
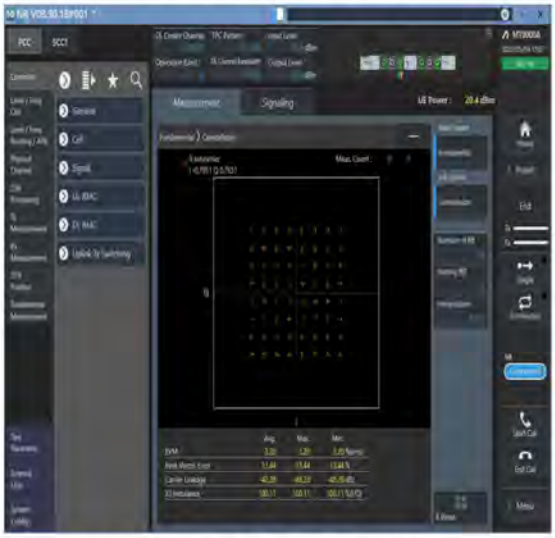
	
1-N70-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-see graph-PASS	1-N70-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-see graph-PASS
	
1-N70-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-see graph-PASS	1-N70-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-see graph-PASS

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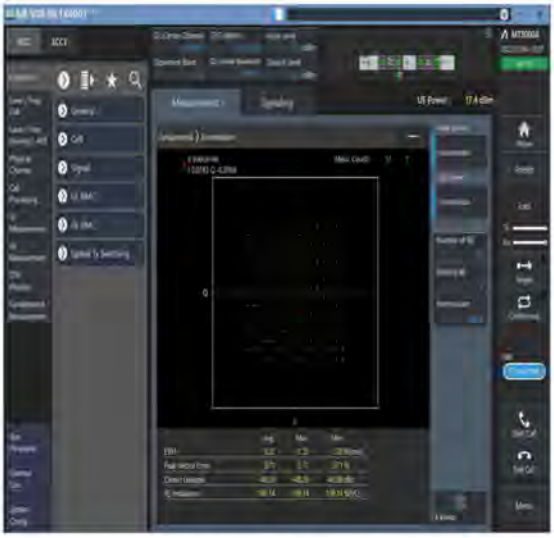	
1-N70-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-see graph-PASS	

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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	4.491	5.070	PASS
N70	15	5	DFT-PI2BPSK	L	Outer_Full	4.466	5.120	PASS
N70	15	5	DFT-16QAM	L	Outer_Full	4.483	5.120	PASS
N70	15	5	DFT-64QAM	L	Outer_Full	4.491	5.080	PASS
N70	15	5	DFT-256QAM	L	Outer_Full	4.481	5.090	PASS
N70	15	5	CP-QPSK	L	Outer_Full	4.478	5.110	PASS
N70	15	5	CP-16QAM	L	Outer_Full	4.478	5.230	PASS
N70	15	5	CP-64QAM	L	Outer_Full	4.484	5.250	PASS
N70	15	5	CP-256QAM	L	Outer_Full	4.494	5.200	PASS
N70	15	5	DFT-QPSK	M	Outer_Full	4.487	5.030	PASS
N70	15	5	DFT-PI2BPSK	M	Outer_Full	4.468	5.120	PASS
N70	15	5	DFT-16QAM	M	Outer_Full	4.478	5.050	PASS
N70	15	5	DFT-64QAM	M	Outer_Full	4.484	5.120	PASS
N70	15	5	DFT-256QAM	M	Outer_Full	4.481	5.140	PASS
N70	15	5	CP-QPSK	M	Outer_Full	4.471	5.100	PASS
N70	15	5	CP-16QAM	M	Outer_Full	4.489	5.220	PASS
N70	15	5	CP-64QAM	M	Outer_Full	4.493	5.350	PASS
N70	15	5	CP-256QAM	M	Outer_Full	4.492	5.160	PASS
N70	15	5	DFT-QPSK	H	Outer_Full	4.476	4.980	PASS
N70	15	5	DFT-PI2BPSK	H	Outer_Full	4.479	5.160	PASS
N70	15	5	DFT-16QAM	H	Outer_Full	4.475	5.050	PASS
N70	15	5	DFT-64QAM	H	Outer_Full	4.479	5.110	PASS
N70	15	5	DFT-256QAM	H	Outer_Full	4.492	5.150	PASS
N70	15	5	CP-QPSK	H	Outer_Full	4.489	5.170	PASS
N70	15	5	CP-16QAM	H	Outer_Full	4.487	5.140	PASS
N70	15	5	CP-64QAM	H	Outer_Full	4.485	5.230	PASS
N70	15	5	CP-256QAM	H	Outer_Full	4.492	5.170	PASS
N70	15	10	DFT-QPSK	L	Outer_Full	8.952	9.720	PASS
N70	15	10	DFT-PI2BPSK	L	Outer_Full	8.937	9.820	PASS
N70	15	10	DFT-16QAM	L	Outer_Full	8.950	9.700	PASS
N70	15	10	DFT-64QAM	L	Outer_Full	8.942	9.700	PASS
N70	15	10	DFT-256QAM	L	Outer_Full	8.942	9.640	PASS

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N70	15	10	CP-QPSK	L	Outer_Full	9.331	10.400	PASS
N70	15	10	CP-16QAM	L	Outer_Full	9.304	10.180	PASS
N70	15	10	CP-64QAM	L	Outer_Full	9.312	10.300	PASS
N70	15	10	CP-256QAM	L	Outer_Full	9.298	10.140	PASS
N70	15	10	DFT-QPSK	M	Outer_Full	8.955	9.700	PASS
N70	15	10	DFT-PI2BPSK	M	Outer_Full	8.933	9.780	PASS
N70	15	10	DFT-16QAM	M	Outer_Full	8.958	9.720	PASS
N70	15	10	DFT-64QAM	M	Outer_Full	8.956	9.760	PASS
N70	15	10	DFT-256QAM	M	Outer_Full	8.960	9.800	PASS
N70	15	10	CP-QPSK	M	Outer_Full	9.321	10.300	PASS
N70	15	10	CP-16QAM	M	Outer_Full	9.305	10.300	PASS
N70	15	10	CP-64QAM	M	Outer_Full	9.320	10.380	PASS
N70	15	10	CP-256QAM	M	Outer_Full	9.303	10.180	PASS
N70	15	10	DFT-QPSK	H	Outer_Full	8.958	9.720	PASS
N70	15	10	DFT-PI2BPSK	H	Outer_Full	8.952	9.920	PASS
N70	15	10	DFT-16QAM	H	Outer_Full	8.959	9.640	PASS
N70	15	10	DFT-64QAM	H	Outer_Full	8.946	9.760	PASS
N70	15	10	DFT-256QAM	H	Outer_Full	8.946	9.680	PASS
N70	15	10	CP-QPSK	H	Outer_Full	9.319	10.260	PASS
N70	15	10	CP-16QAM	H	Outer_Full	9.299	10.220	PASS
N70	15	10	CP-64QAM	H	Outer_Full	9.326	10.320	PASS
N70	15	10	CP-256QAM	H	Outer_Full	9.315	10.220	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	13.505	14.460	PASS
N70	15	15	DFT-PI2BPSK	L	Outer_Full	13.425	14.490	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	13.460	14.550	PASS
N70	15	15	DFT-64QAM	L	Outer_Full	13.425	14.490	PASS
N70	15	15	DFT-256QAM	L	Outer_Full	13.446	14.580	PASS
N70	15	15	CP-QPSK	L	Outer_Full	14.134	15.270	PASS
N70	15	15	CP-16QAM	L	Outer_Full	14.137	15.240	PASS
N70	15	15	CP-64QAM	L	Outer_Full	14.152	15.180	PASS
N70	15	15	CP-256QAM	L	Outer_Full	14.147	15.240	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	13.505	14.490	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	13.427	14.460	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	13.459	14.550	PASS
N70	15	15	DFT-64QAM	M	Outer_Full	13.426	14.490	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	13.441	14.520	PASS
N70	15	15	CP-QPSK	M	Outer_Full	14.144	15.270	PASS
N70	15	15	CP-16QAM	M	Outer_Full	14.137	15.240	PASS

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N70	15	15	CP-64QAM	M	Outer_Full	14.153	15.210	PASS
N70	15	15	CP-256QAM	M	Outer_Full	14.148	15.210	PASS
N70	15	15	DFT-QPSK	H	Outer_Full	13.507	14.460	PASS
N70	15	15	DFT-PI2BPSK	H	Outer_Full	13.425	14.490	PASS
N70	15	15	DFT-16QAM	H	Outer_Full	13.456	14.550	PASS
N70	15	15	DFT-64QAM	H	Outer_Full	13.426	14.490	PASS
N70	15	15	DFT-256QAM	H	Outer_Full	13.445	14.580	PASS
N70	15	15	CP-QPSK	H	Outer_Full	14.134	15.270	PASS
N70	15	15	CP-16QAM	H	Outer_Full	14.135	15.240	PASS
N70	15	15	CP-64QAM	H	Outer_Full	14.154	15.150	PASS
N70	15	15	CP-256QAM	H	Outer_Full	14.146	15.270	PASS

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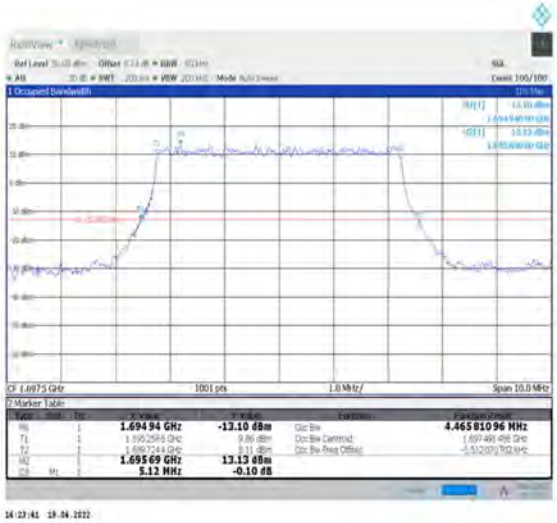
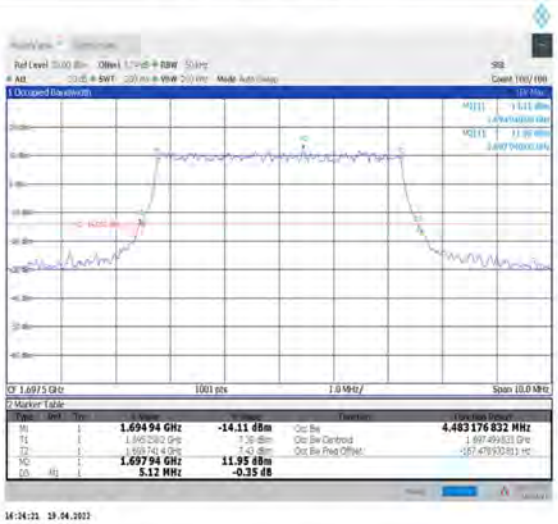
Test Graphs

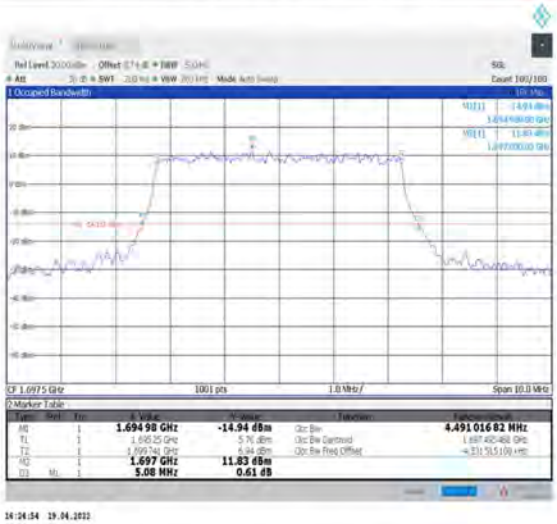
1-N70--15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.491-5.070-≤5-PASS



1-N70--15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.466-5.120-≤5-PASS



1-N70--15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.483-5.120-≤5-PASS



1-N70--15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.491-5.080-≤5-PASS

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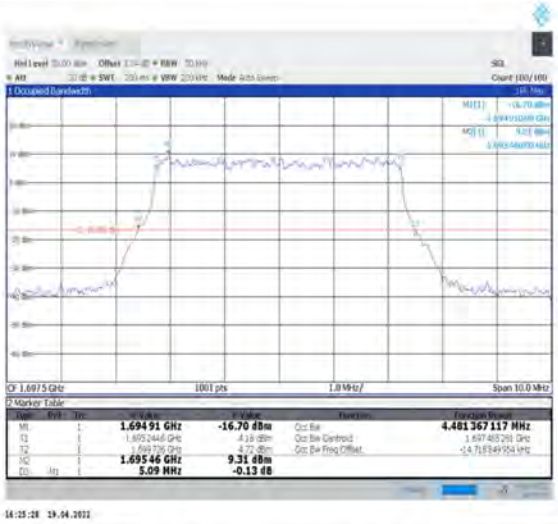
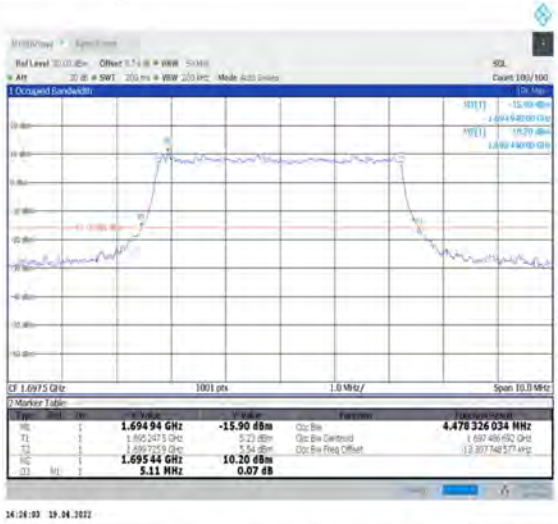
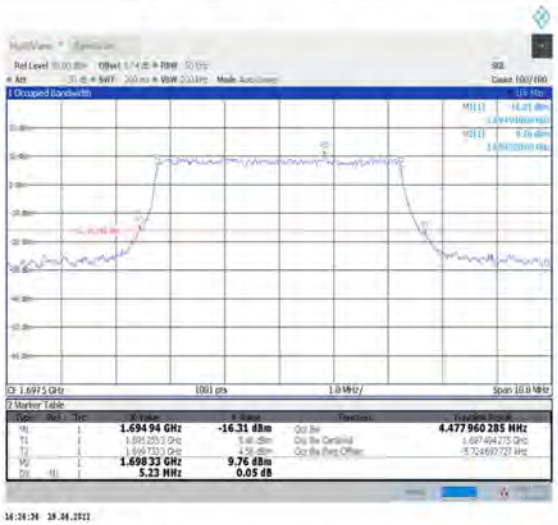


1-N70--15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.481-5.090-≤5-PASS



1-N70--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.478-5.110-≤5-PASS



1-N70--15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.478-5.230-≤5-PASS

1-N70--15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.484-5.250-≤5-PASS

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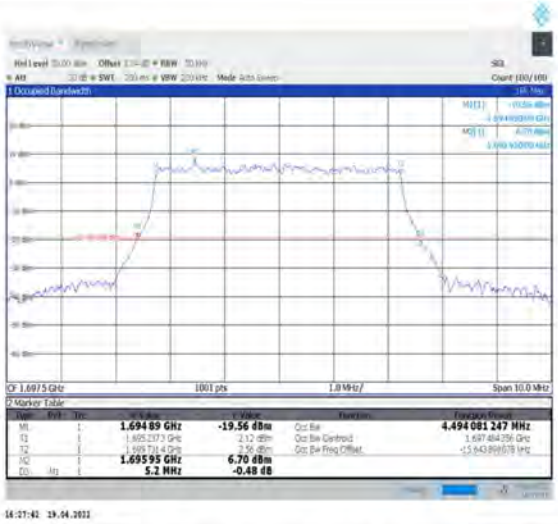
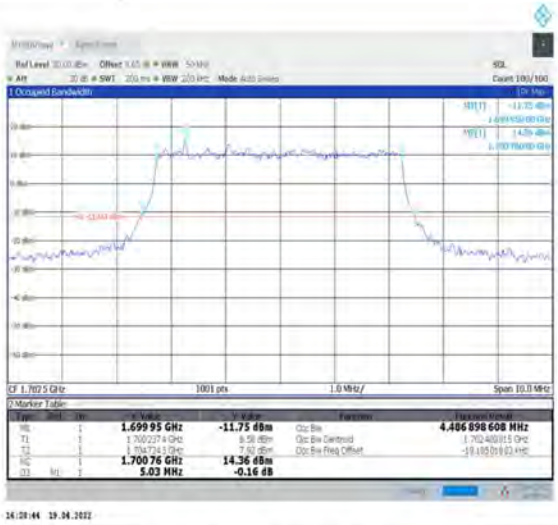
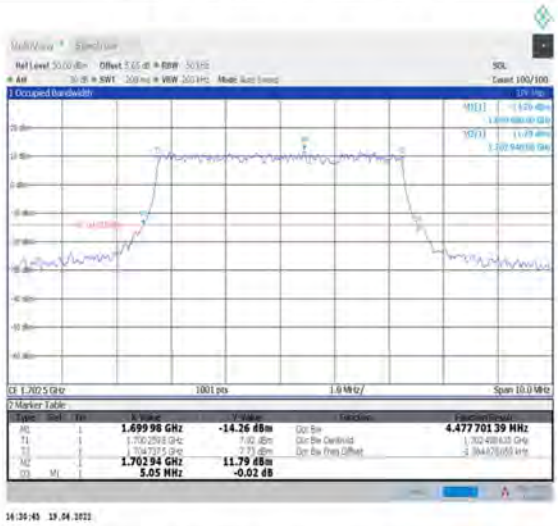


1-N70--15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.494-5.200-≤5-PASS



1-N70--15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.487-5.030-≤5-PASS

1-N70--15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.468-5.120-≤5-PASS



1-N70--15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.478-5.050-≤5-PASS

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1-N70--15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.484-5.120-≤5-PASS

1-N70--15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.481-5.140-≤5-PASS

1-N70--15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.471-5.100-≤5-PASS

1-N70--15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.489-5.220-≤5-PASS

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1-N70--15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.493-5.350-≤5-PASS

1-N70--15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.492-5.160-≤5-PASS

1-N70--15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.476-4.980-≤5-PASS

1-N70--15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.479-5.160-≤5-PASS

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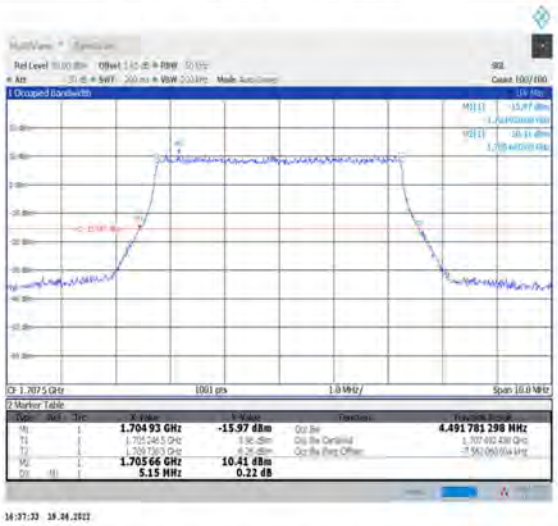
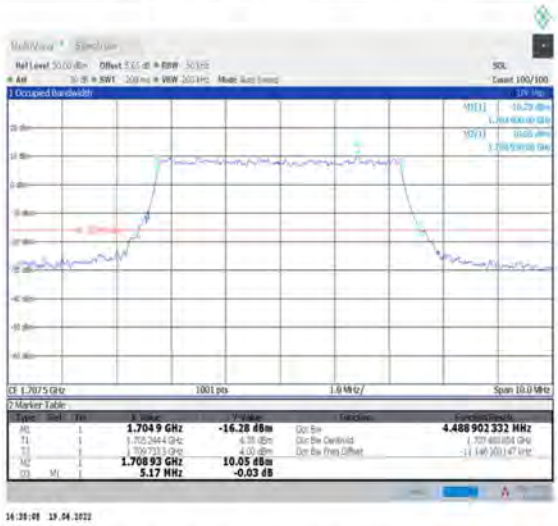
1-N70--15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.475-5.050-≤5-PASS

1-N70--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.479-5.110-≤5-PASS



1-N70--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.492-5.150-≤5-PASS



1-N70--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.489-5.170-≤5-PASS

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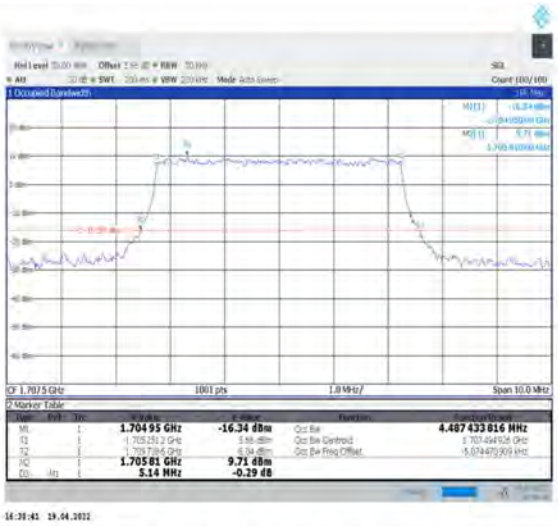

1-N70--15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.487-5.140-≤5-PASS

1-N70--15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.485-5.230-≤5-PASS

1-N70--15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.492-5.170-≤5-PASS

1-N70--15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.952-9.720-≤10-PASS

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1-N70--15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.937-9.820-≤10-PASS

1-N70--15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.95-9.700-≤10-PASS

1-N70--15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.942-9.700-≤10-PASS

1-N70--15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.942-9.640-≤10-PASS

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1-N70--15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9.331-10.400-≤10-PASS

1-N70--15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.304-10.180-≤10-PASS

1-N70--15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.312-10.300-≤10-PASS

1-N70--15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.298-10.140-≤10-PASS

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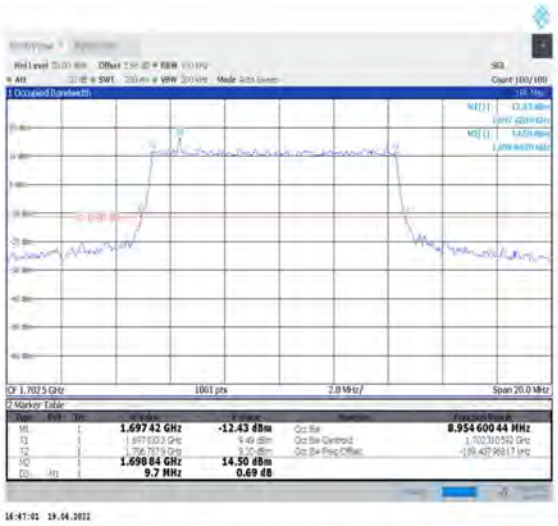
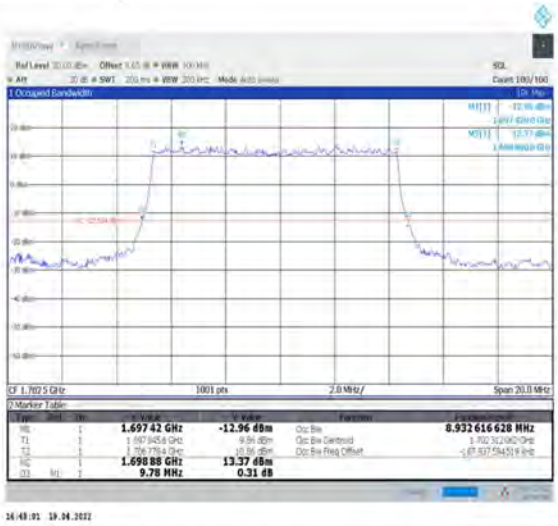
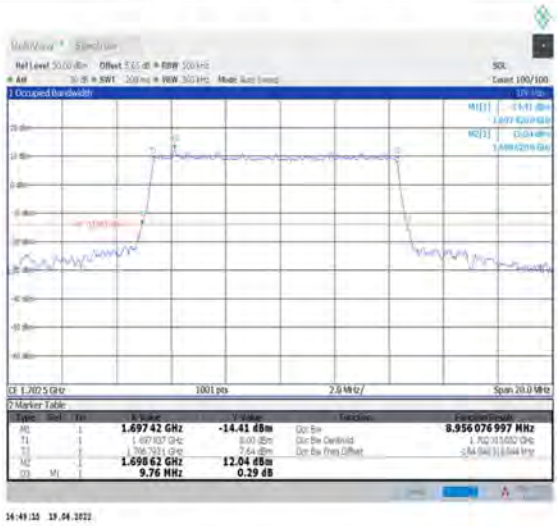


1-N70--15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.955-9.700-≤10-PASS



1-N70--15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.933-9.780-≤10-PASS

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



1-N70--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.956-9.760-≤10-PASS

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1-N70--15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.96-9.800-≤10-PASS

1-N70--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.321-10.300-≤10-PASS

1-N70--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.305-10.300-≤10-PASS

1-N70--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.32-10.380-≤10-PASS

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1-N70--15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-9.303-10.180-≤10-PASS

1-N70--15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.958-9.720-≤10-PASS

1-N70--15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.952-9.920-≤10-PASS

1-N70--15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.959-9.640-≤10-PASS

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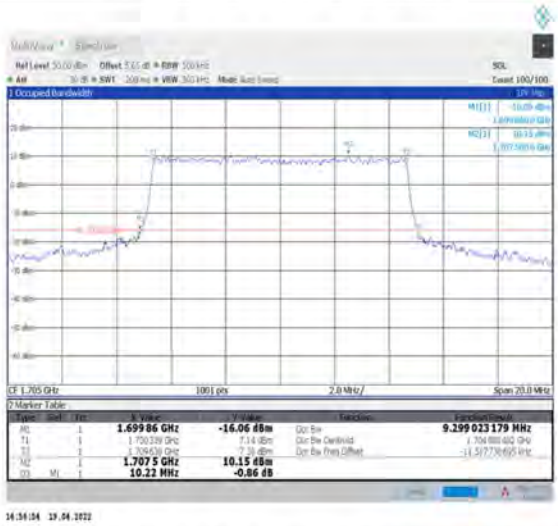
1-N70--15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.946-9.760-≤10-PASS

1-N70--15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.946-9.680-≤10-PASS

1-N70--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.319-10.260-≤10-PASS



1-N70--15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.299-10.220-≤10-PASS

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1-N70--15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.326-10.320-≤10-PASS

1-N70--15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.315-10.220-≤10-PASS

1-N70--15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.505-14.460-≤15-PASS

1-N70--15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.425-14.490-≤15-PASS

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1-N70--15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.46-14.550-≤15-PASS

1-N70--15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.425-14.490-≤15-PASS

1-N70--15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.446-14.580-≤15-PASS

1-N70--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.134-15.270-≤15-PASS

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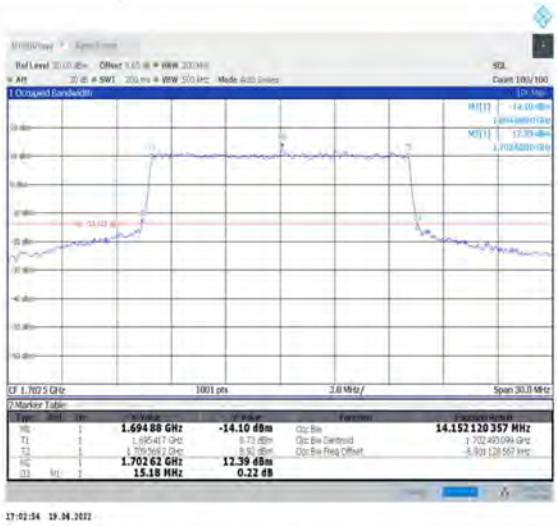
1-N70--15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.137-15.240-≤15-PASS



1-N70--15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.152-15.180-≤15-PASS

1-N70--15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.147-15.240-≤15-PASS

1-N70--15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.505-14.490-≤15-PASS

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1-N70--15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.427-14.460-≤15-PASS

1-N70--15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.459-14.550-≤15-PASS

1-N70--15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.426-14.490-≤15-PASS

1-N70--15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.441-14.520-≤15-PASS

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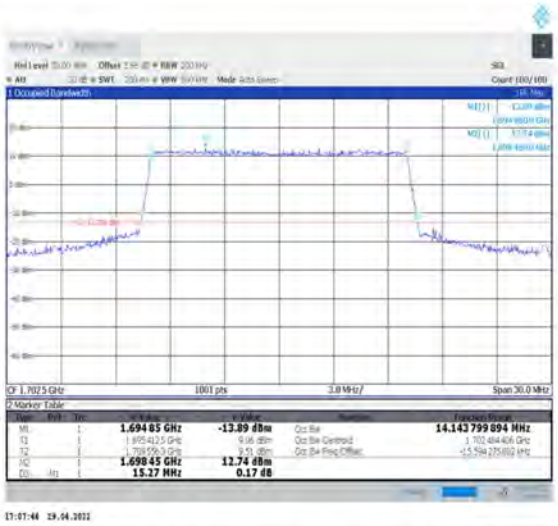

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1-N70--15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.148-15.210-≤15-PASS

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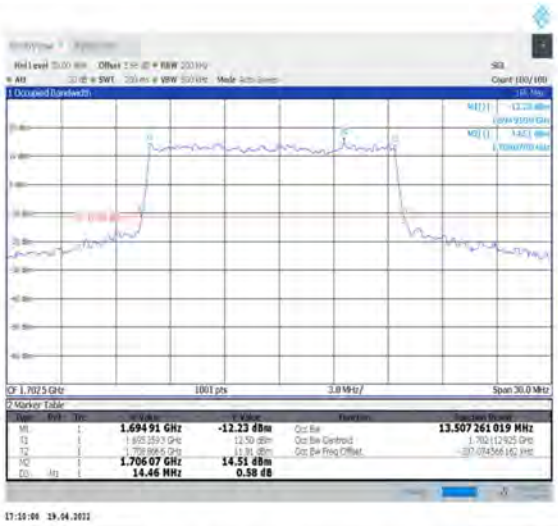

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1-N70--15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.456-14.550-≤15-PASS

1-N70--15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.426-14.490-≤15-PASS

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1-N70--15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.445-14.580-≤15-PASS

1-N70--15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-14.134-15.270-≤15-PASS

1-N70--15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant1-14.135-15.240-≤15-PASS

1-N70--15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.154-15.150-≤15-PASS

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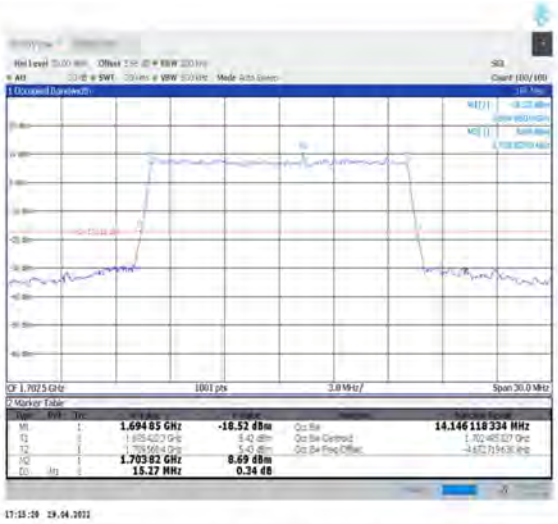	
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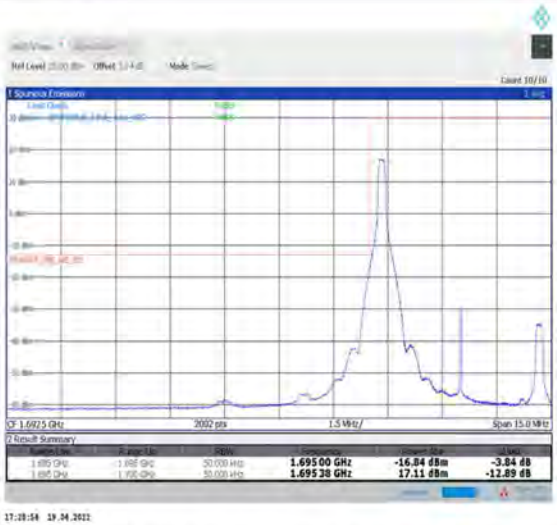
Band Edge for SA

Test Graphs



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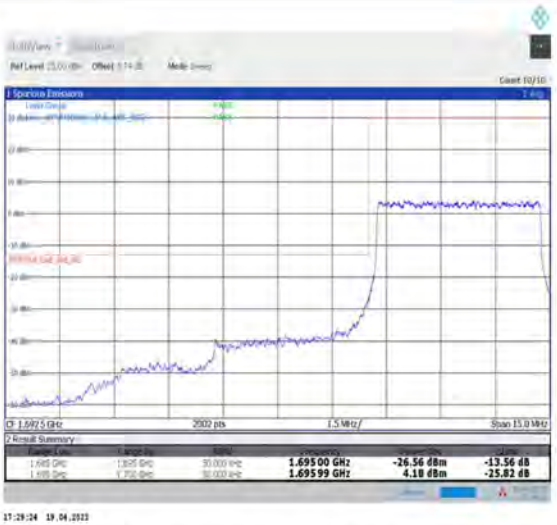

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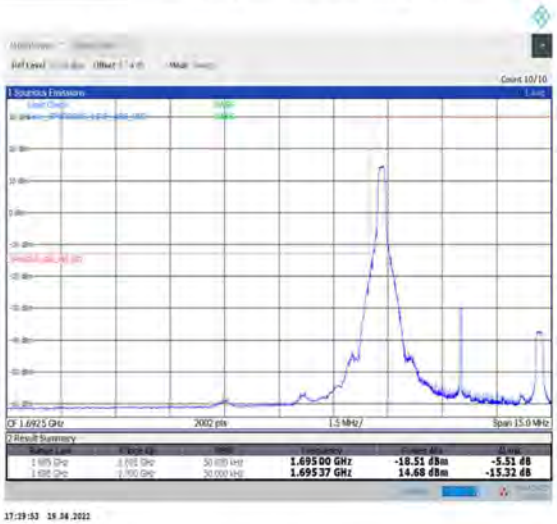

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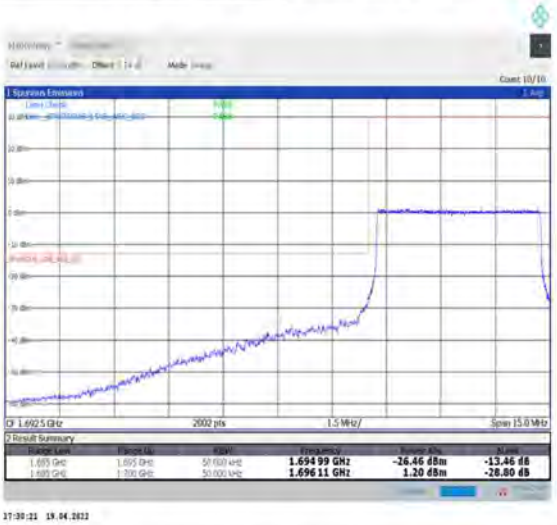

1-N70--15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-seegraph-PASS-see graph

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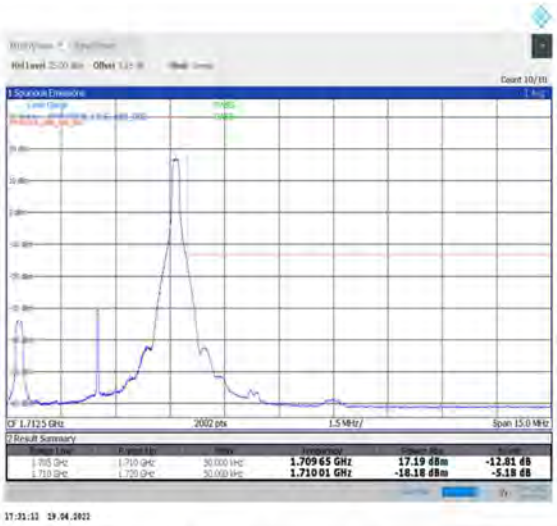

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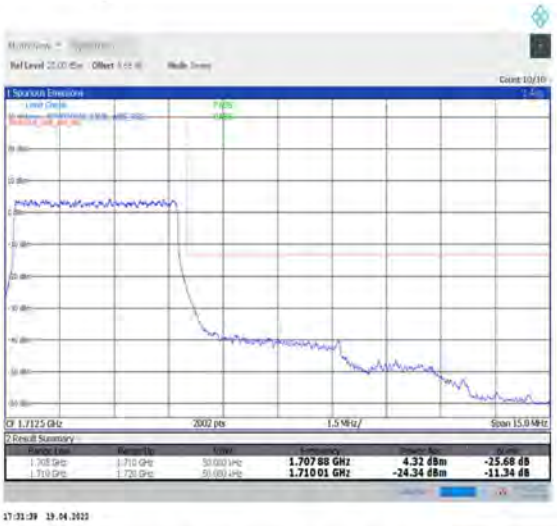

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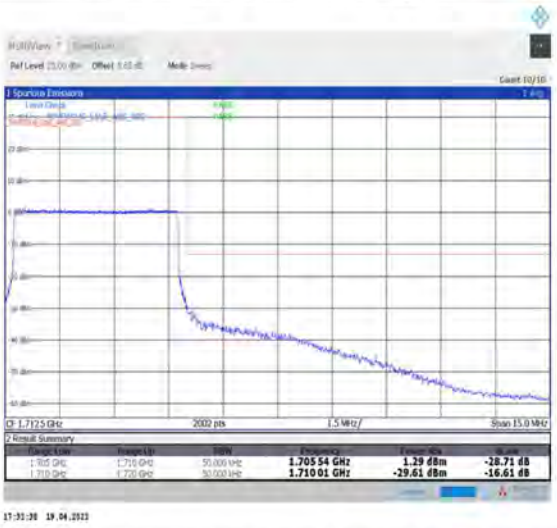

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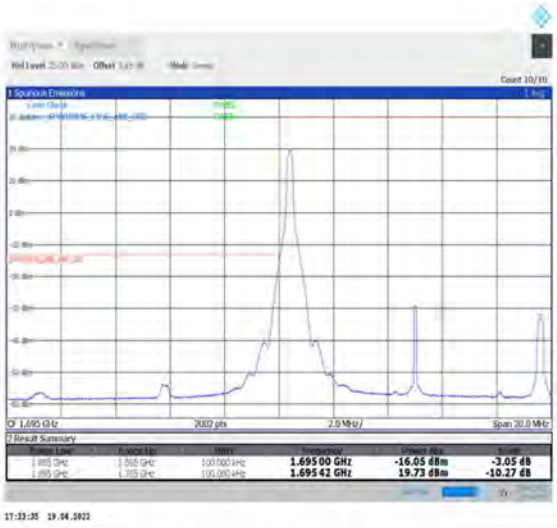

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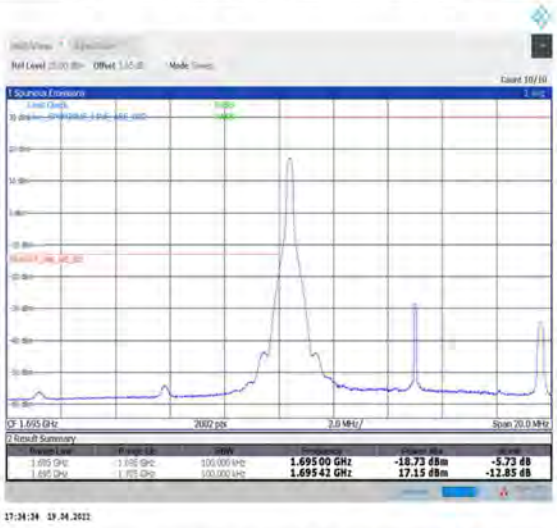
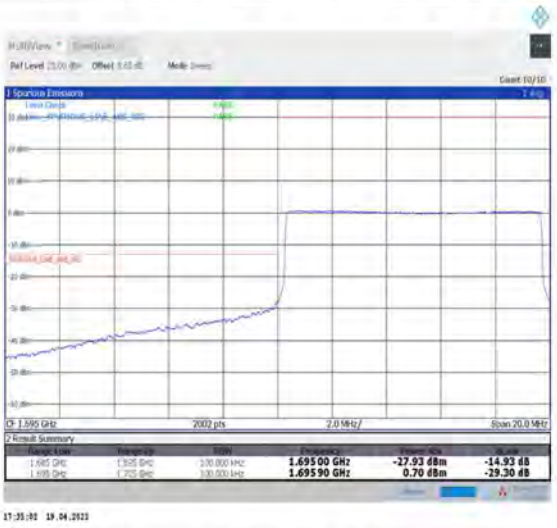
1-N70--15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-seegraph-PASS-see graph



1-N70--15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-seegraph-PASS-see graph



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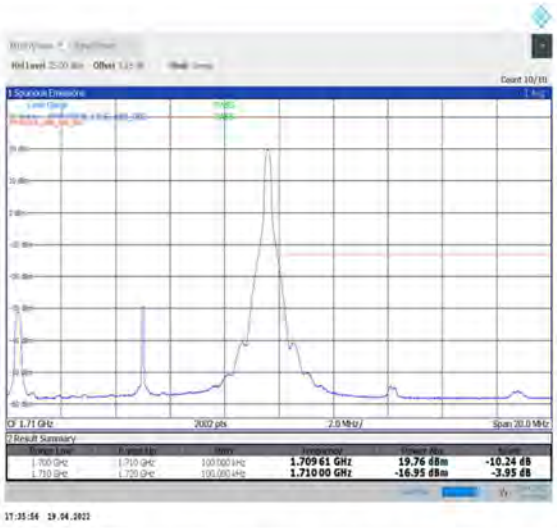

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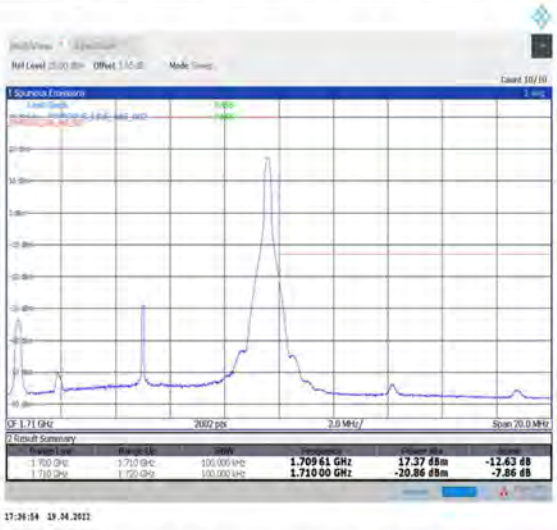

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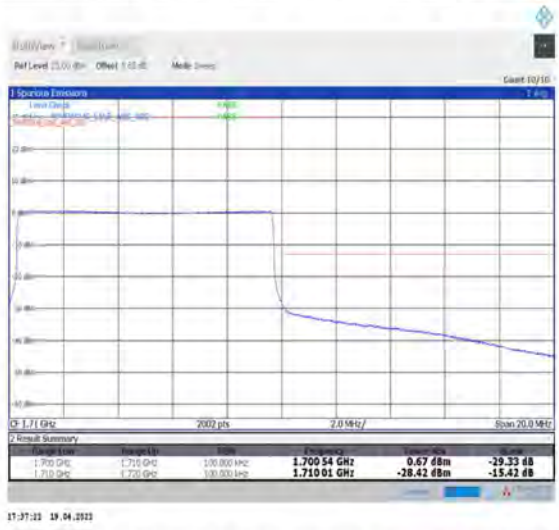

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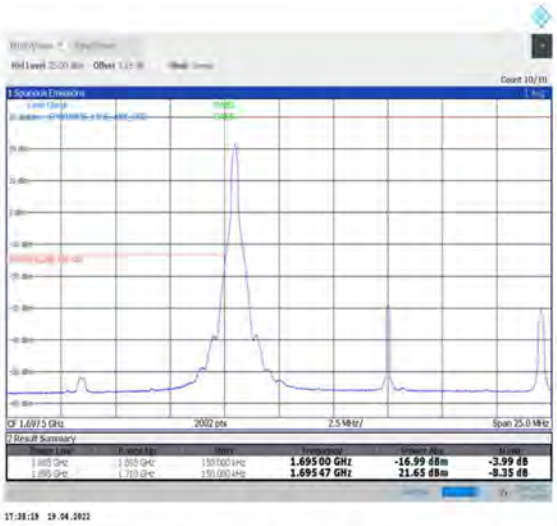

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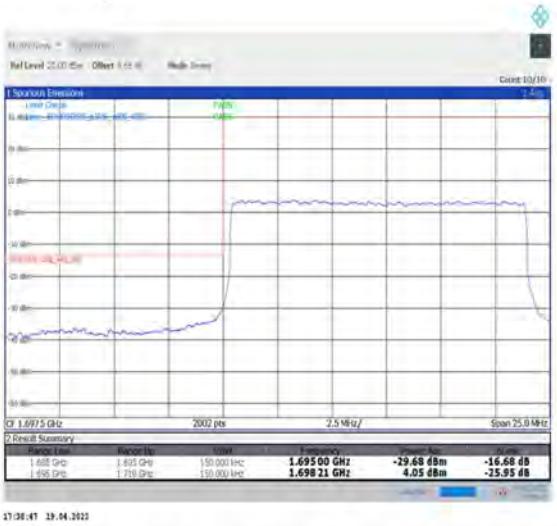

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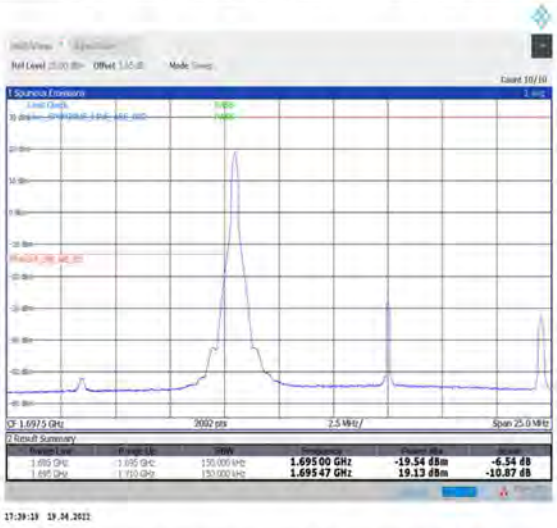

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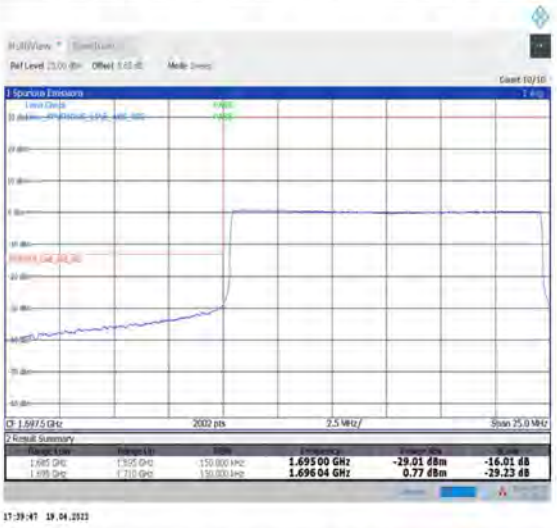

1-N70--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-seegraph-PASS-see graph

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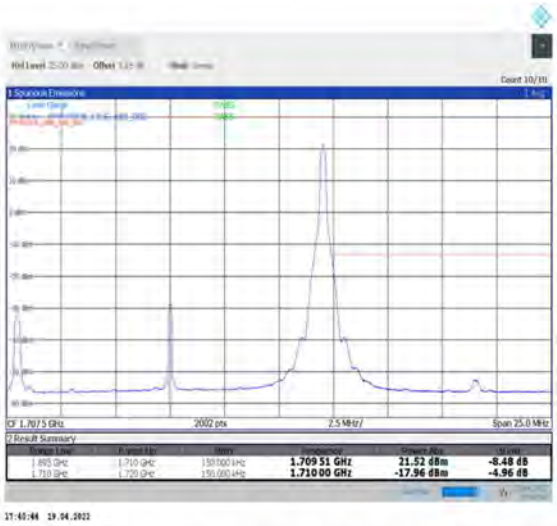

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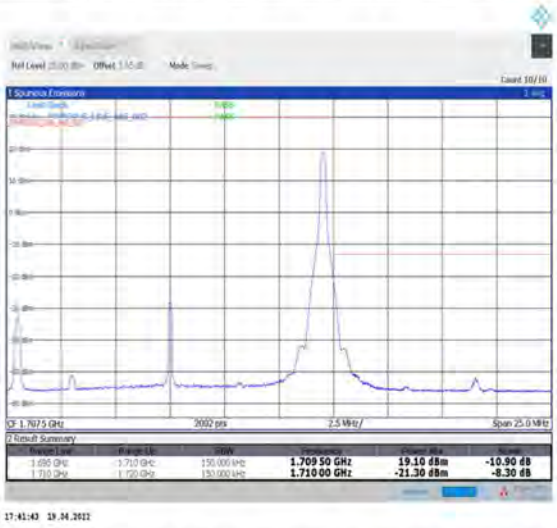

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1-N70--15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-seegraph-PASS-see graph

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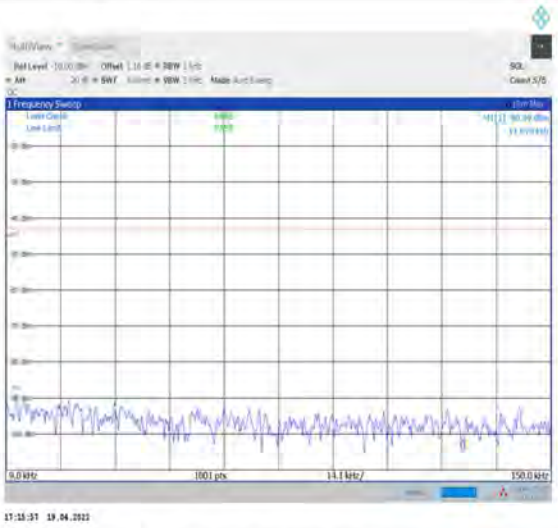
Conducted Spurious Emission for SA

Test Graphs



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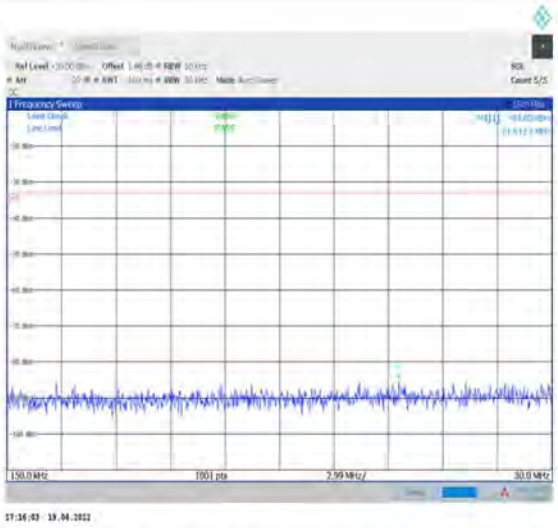

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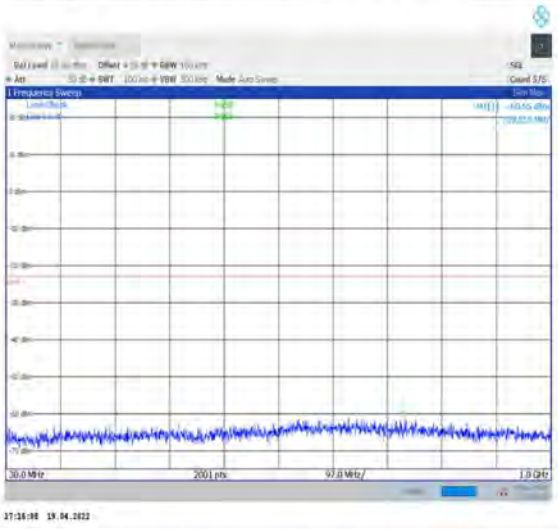

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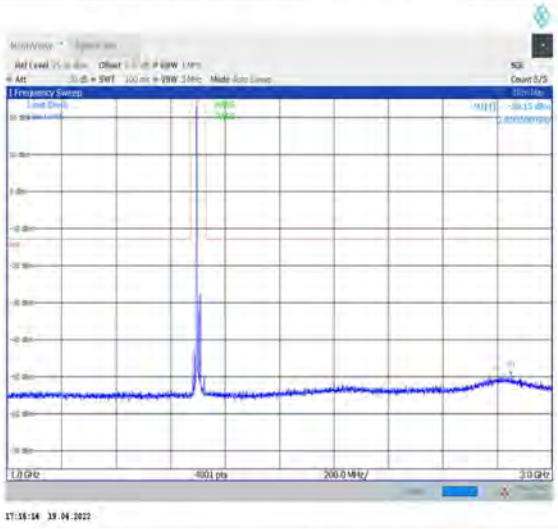

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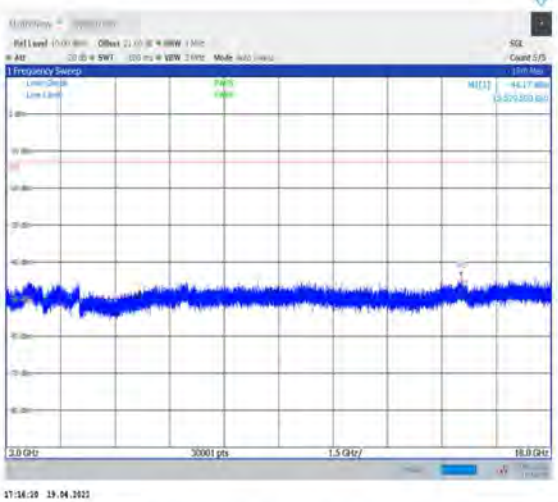

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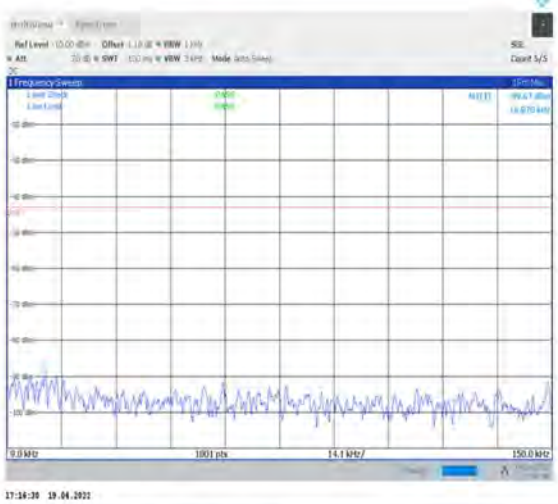

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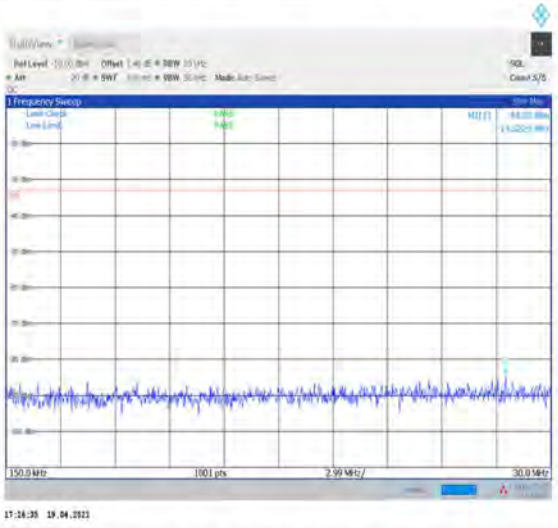

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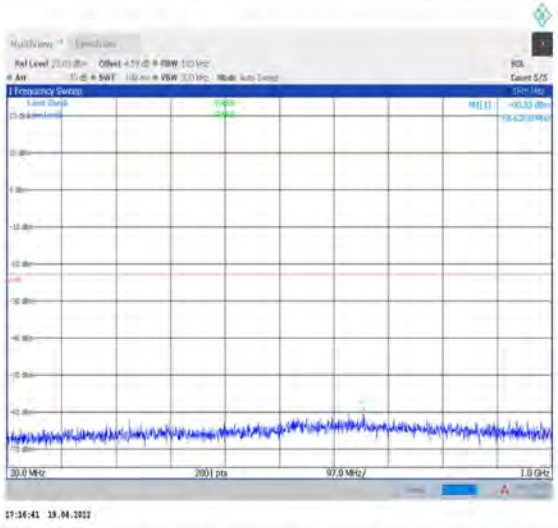

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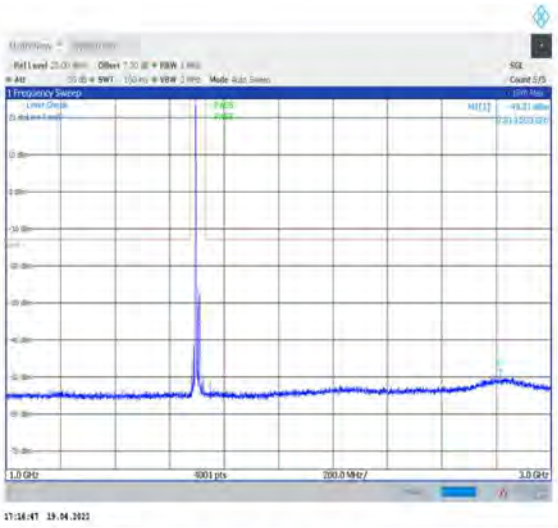

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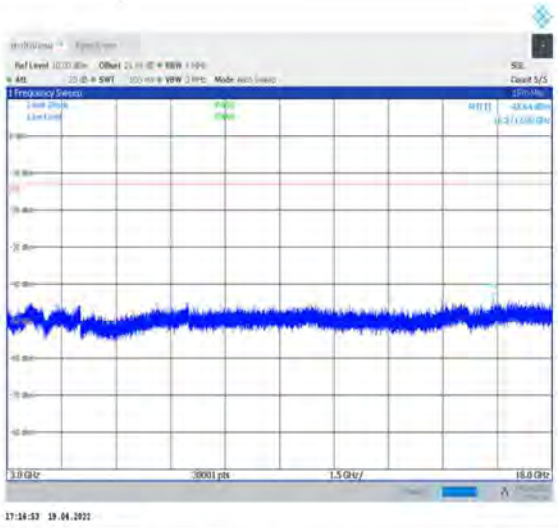

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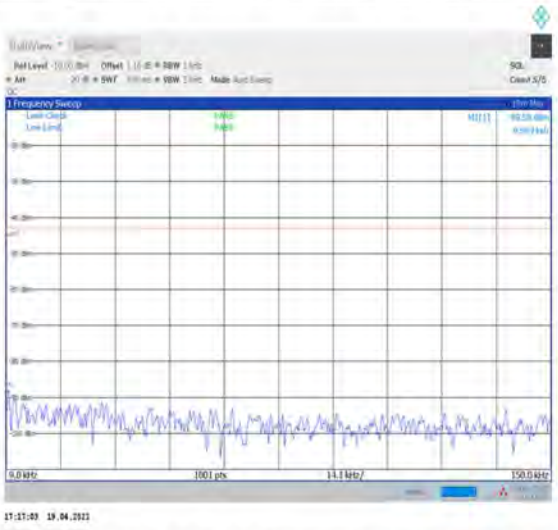

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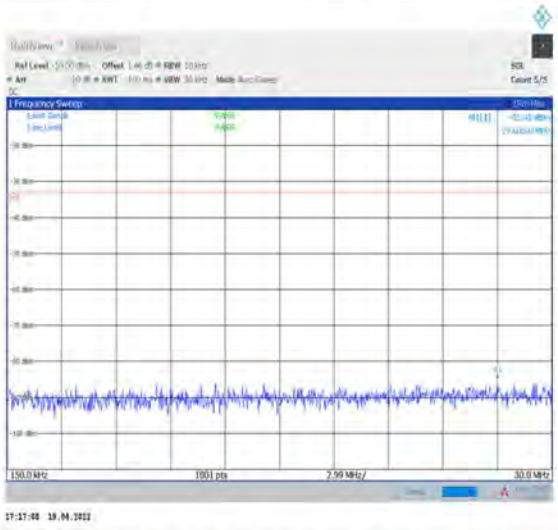

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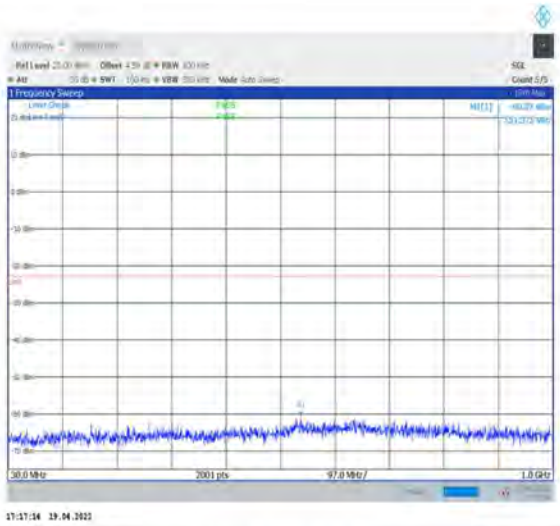

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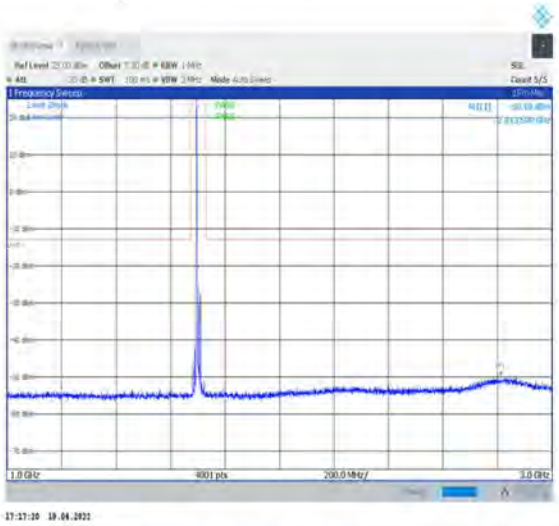

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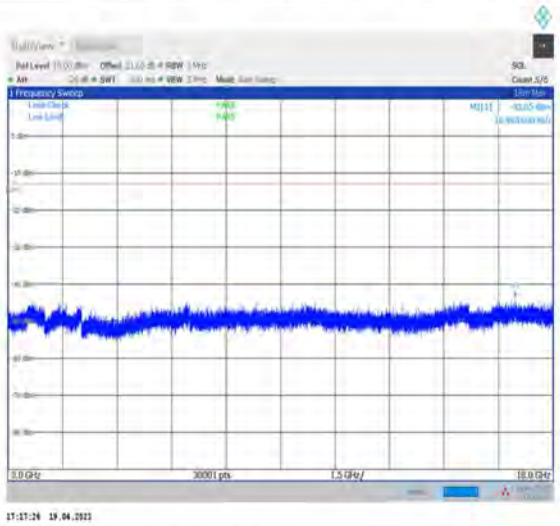

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Field Strength of Spurious Radiation

Test Band = SA Band 70 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	3391.68	50.55	-111.74	-61.19	-13.00	48.19	142	360	Horizontal
2	5087.52	50.08	-107.03	-56.95	-13.00	43.95	263	87	Horizontal
3	6783.36	51.10	-102.06	-50.96	-13.00	37.96	144	288	Horizontal
4	8479.2	47.91	-96.78	-48.87	-13.00	35.87	196	226	Horizontal
5	10175.04	44.28	-93.18	-48.90	-13.00	35.90	244	99	Horizontal
6	11796.75	52.89	-91.76	-38.87	-13.00	25.87	143	312	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3391.68	50.95	-111.74	-60.79	-13.00	47.79	263	165	Vertical
2	5087.52	48.49	-107.03	-58.54	-13.00	45.54	251	355	Vertical
3	6783.36	49.43	-102.06	-52.63	-13.00	39.63	196	175	Vertical
4	8479.2	45.25	-96.78	-51.53	-13.00	38.53	142	52	Vertical
5	10175.04	43.00	-93.18	-50.18	-13.00	37.18	296	127	Vertical
6	11796.75	54.41	-91.76	-37.35	-13.00	24.35	142	226	Vertical

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Test Band = SA Band 70 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	3391.18	50.80	-111.74	-60.94	-13.00	47.94	263	286	Horizontal
2	5086.77	48.33	-107.03	-58.70	-13.00	45.70	251	249	Horizontal
3	6782.36	49.18	-102.06	-52.88	-13.00	39.88	174	360	Horizontal
4	8477.95	45.23	-96.79	-51.56	-13.00	38.56	186	359	Horizontal
5	10173.54	43.74	-93.19	-49.45	-13.00	36.45	254	161	Horizontal
6	11796.75	52.44	-91.76	-39.32	-13.00	26.32	188	211	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3391.18	50.76	-111.74	-60.98	-13.00	47.98	263	3	Vertical
2	5086.77	50.59	-107.03	-56.44	-13.00	43.44	254	179	Vertical
3	6782.36	49.61	-102.06	-52.45	-13.00	39.45	174	114	Vertical
4	8477.95	46.22	-96.79	-50.57	-13.00	37.57	152	204	Vertical
5	10173.54	43.50	-93.19	-49.69	-13.00	36.69	263	338	Vertical
6	11796.75	54.04	-91.76	-37.72	-13.00	24.72	241	227	Vertical

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Test Band = SA Band 70 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	3396.18	52.08	-111.75	-59.67	-13.00	46.67	263	139	Horizontal
2	5094.27	49.86	-106.98	-57.12	-13.00	44.12	251	3	Horizontal
3	6792.36	49.60	-102.04	-52.44	-13.00	39.44	142	126	Horizontal
4	8490.45	45.09	-96.75	-51.66	-13.00	38.66	284	359	Horizontal
5	10188.54	43.04	-93.13	-50.09	-13.00	37.09	265	302	Horizontal
6	11796.75	52.53	-91.76	-39.23	-13.00	26.23	241	14	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3396.18	50.50	-111.75	-61.25	-13.00	48.25	263	360	Vertical
2	5094.27	50.62	-106.98	-56.36	-13.00	43.36	251	360	Vertical
3	6792.36	48.61	-102.04	-53.43	-13.00	40.43	148	201	Vertical
4	8490.45	45.09	-96.75	-51.66	-13.00	38.66	265	189	Vertical
5	10188.54	43.57	-93.13	-49.56	-13.00	36.56	241	360	Vertical
6	11796.75	54.50	-91.76	-37.26	-13.00	24.26	177	28	Vertical

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Test Band = SA Band 70 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	3401.18	50.22	-111.75	-61.53	-13.00	48.53	263	355	Horizontal
2	5101.77	49.30	-106.95	-57.65	-13.00	44.65	241	274	Horizontal
3	6802.36	50.02	-102.01	-51.99	-13.00	38.99	178	287	Horizontal
4	8502.95	45.83	-96.73	-50.90	-13.00	37.90	265	185	Horizontal
5	10203.54	43.92	-93.10	-49.18	-13.00	36.18	284	25	Horizontal
6	11796.75	51.03	-91.76	-40.73	-13.00	27.73	177	25	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3401.18	50.63	-111.75	-61.12	-13.00	48.12	163	226	Vertical
2	5101.77	51.18	-106.95	-55.77	-13.00	42.77	254	3	Vertical
3	6802.36	49.31	-102.01	-52.70	-13.00	39.70	175	14	Vertical
4	8502.95	45.24	-96.73	-51.49	-13.00	38.49	263	177	Vertical
5	10203.54	44.83	-93.10	-48.27	-13.00	35.27	322	338	Vertical
6	11796.75	55.14	-91.76	-36.62	-13.00	23.62	142	226	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	3.800000	0.002232	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.500000	0.002056	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	5.600000	0.003289	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VH	NT	0.800000	0.000470	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VN	NT	-1.600000	-0.000940	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VL	NT	-1.000000	-0.000587	PASS

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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	7.400000	0.004347	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	4.400000	0.002584	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.000000	0.002937	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	1.500000	0.000881	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	4.800000	0.002819	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	3.600000	0.002115	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	7.900000	0.004640	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	1.400000	0.000822	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	50	1.700000	0.000999	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-30	-1.300000	-0.000764	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-20	4.200000	0.002467	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	0	-0.800000	-0.000470	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	10	-2.500000	-0.001468	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	20	-2.700000	-0.001586	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	30	-0.900000	-0.000529	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	40	-2.000000	-0.001175	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	50	-4.800000	-0.002819	PASS

---End of Attachment---

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