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Appendix B.48

NR Band n71



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Effective (Isotropic) Radiated Power Output Data for SA**Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N71	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.78	22.85	34.77	PASS
N71	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.9	22.97	34.77	PASS
N71	15	5	DFT-PI2BPSK	L	Outer_Full	24	23.07	34.77	PASS
N71	15	5	DFT-QPSK	L	Inner_1RB_Left	24.01	23.08	34.77	PASS
N71	15	5	DFT-QPSK	L	Inner_1RB_Right	23.87	22.94	34.77	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	24.06	23.13	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Left	24.16	23.23	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Right	24.07	23.14	34.77	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	23.25	22.32	34.77	PASS
N71	15	5	DFT-64QAM	L	Inner_1RB_Left	22.86	21.93	34.77	PASS
N71	15	5	DFT-64QAM	L	Inner_1RB_Right	22.76	21.83	34.77	PASS
N71	15	5	DFT-64QAM	L	Outer_Full	22.66	21.73	34.77	PASS
N71	15	5	DFT-256QAM	L	Inner_1RB_Left	20.16	19.23	34.77	PASS
N71	15	5	DFT-256QAM	L	Inner_1RB_Right	20.06	19.13	34.77	PASS
N71	15	5	DFT-256QAM	L	Outer_Full	18.56	17.63	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.53	22.6	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.47	22.54	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	23.55	22.62	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Left	23.5	22.57	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Right	23.36	22.43	34.77	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	23.54	22.61	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Left	23.66	22.73	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Right	23.47	22.54	34.77	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	22.76	21.83	34.77	PASS
N71	15	5	DFT-64QAM	M	Inner_1RB_Left	22.36	21.43	34.77	PASS
N71	15	5	DFT-64QAM	M	Inner_1RB_Right	22.27	21.34	34.77	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	22.3	21.37	34.77	PASS
N71	15	5	DFT-256QAM	M	Inner_1RB_Left	19.93	19	34.77	PASS
N71	15	5	DFT-256QAM	M	Inner_1RB_Right	19.64	18.71	34.77	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	18.22	17.29	34.77	PASS
N71	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.58	22.65	34.77	PASS



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N71	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.45	22.52	34.77	PASS
N71	15	5	DFT-PI2BPSK	H	Outer_Full	23.55	22.62	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Left	23.57	22.64	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Right	23.32	22.39	34.77	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	23.52	22.59	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Left	23.61	22.68	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Right	23.56	22.63	34.77	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	22.73	21.8	34.77	PASS
N71	15	5	DFT-64QAM	H	Inner_1RB_Left	22.5	21.57	34.77	PASS
N71	15	5	DFT-64QAM	H	Inner_1RB_Right	22.36	21.43	34.77	PASS
N71	15	5	DFT-64QAM	H	Outer_Full	22.29	21.36	34.77	PASS
N71	15	5	DFT-256QAM	H	Inner_1RB_Left	19.77	18.84	34.77	PASS
N71	15	5	DFT-256QAM	H	Inner_1RB_Right	19.56	18.63	34.77	PASS
N71	15	5	DFT-256QAM	H	Outer_Full	18.18	17.25	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.76	22.83	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.71	22.78	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Outer_Full	23.46	22.53	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Left	23.68	22.75	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Right	23.57	22.64	34.77	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	23.46	22.53	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Left	23.73	22.8	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Right	23.62	22.69	34.77	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	22.63	21.7	34.77	PASS
N71	15	10	DFT-64QAM	L	Inner_1RB_Left	22.54	21.61	34.77	PASS
N71	15	10	DFT-64QAM	L	Inner_1RB_Right	22.45	21.52	34.77	PASS
N71	15	10	DFT-64QAM	L	Outer_Full	22.08	21.15	34.77	PASS
N71	15	10	DFT-256QAM	L	Inner_1RB_Left	19.89	18.96	34.77	PASS
N71	15	10	DFT-256QAM	L	Inner_1RB_Right	19.74	18.81	34.77	PASS
N71	15	10	DFT-256QAM	L	Outer_Full	18.23	17.3	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.64	22.71	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.39	22.46	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	23.46	22.53	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Left	23.6	22.67	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Right	23.55	22.62	34.77	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	23.4	22.47	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Left	23.79	22.86	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Right	23.47	22.54	34.77	PASS



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N71	15	10	DFT-16QAM	M	Outer_Full	22.59	21.66	34.77	PASS
N71	15	10	DFT-64QAM	M	Inner_1RB_Left	22.57	21.64	34.77	PASS
N71	15	10	DFT-64QAM	M	Inner_1RB_Right	22.46	21.53	34.77	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	22.24	21.31	34.77	PASS
N71	15	10	DFT-256QAM	M	Inner_1RB_Left	19.83	18.9	34.77	PASS
N71	15	10	DFT-256QAM	M	Inner_1RB_Right	19.69	18.76	34.77	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	23.62	22.69	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.6	22.67	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.34	22.41	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Outer_Full	23.6	22.67	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Left	23.47	22.54	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Right	23.47	22.54	34.77	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	23.59	22.66	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Left	23.41	22.48	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Right	23.43	22.5	34.77	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	22.61	21.68	34.77	PASS
N71	15	10	DFT-64QAM	H	Inner_1RB_Left	22.31	21.38	34.77	PASS
N71	15	10	DFT-64QAM	H	Inner_1RB_Right	22.22	21.29	34.77	PASS
N71	15	10	DFT-64QAM	H	Outer_Full	22.26	21.33	34.77	PASS
N71	15	10	DFT-256QAM	H	Inner_1RB_Left	19.63	18.7	34.77	PASS
N71	15	10	DFT-256QAM	H	Inner_1RB_Right	19.57	18.64	34.77	PASS
N71	15	10	DFT-256QAM	H	Outer_Full	19.46	18.53	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.81	22.88	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.75	22.82	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Outer_Full	23.69	22.76	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Left	23.69	22.76	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Right	23.69	22.76	34.77	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	23.73	22.8	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Left	23.94	23.01	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Right	23.86	22.93	34.77	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	22.88	21.95	34.77	PASS
N71	15	15	DFT-64QAM	L	Inner_1RB_Left	22.67	21.74	34.77	PASS
N71	15	15	DFT-64QAM	L	Inner_1RB_Right	22.54	21.61	34.77	PASS
N71	15	15	DFT-64QAM	L	Outer_Full	22.46	21.53	34.77	PASS
N71	15	15	DFT-256QAM	L	Inner_1RB_Left	19.77	18.84	34.77	PASS
N71	15	15	DFT-256QAM	L	Inner_1RB_Right	19.87	18.94	34.77	PASS
N71	15	15	DFT-256QAM	L	Outer_Full	19.69	18.76	34.77	PASS



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N71	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.73	22.8	34.77	PASS
N71	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.53	22.6	34.77	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	23.64	22.71	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Left	23.67	22.74	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Right	23.49	22.56	34.77	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	23.72	22.79	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Left	23.8	22.87	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Right	23.5	22.57	34.77	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	22.85	21.92	34.77	PASS
N71	15	15	DFT-64QAM	M	Inner_1RB_Left	22.55	21.62	34.77	PASS
N71	15	15	DFT-64QAM	M	Inner_1RB_Right	22.38	21.45	34.77	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	22.36	21.43	34.77	PASS
N71	15	15	DFT-256QAM	M	Inner_1RB_Left	20.02	19.09	34.77	PASS
N71	15	15	DFT-256QAM	M	Inner_1RB_Right	19.7	18.77	34.77	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	19.42	18.49	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.69	22.76	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.48	22.55	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Outer_Full	23.61	22.68	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Left	23.64	22.71	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Right	23.5	22.57	34.77	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	23.58	22.65	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Left	23.64	22.71	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Right	23.42	22.49	34.77	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	22.77	21.84	34.77	PASS
N71	15	15	DFT-64QAM	H	Inner_1RB_Left	22.44	21.51	34.77	PASS
N71	15	15	DFT-64QAM	H	Inner_1RB_Right	22.25	21.32	34.77	PASS
N71	15	15	DFT-64QAM	H	Outer_Full	22.26	21.33	34.77	PASS
N71	15	15	DFT-256QAM	H	Inner_1RB_Left	19.63	18.7	34.77	PASS
N71	15	15	DFT-256QAM	H	Inner_1RB_Right	19.49	18.56	34.77	PASS
N71	15	15	DFT-256QAM	H	Outer_Full	19.36	18.43	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.72	22.79	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.51	22.58	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	23.67	22.74	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Left	23.77	22.84	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Right	23.48	22.55	34.77	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	23.75	22.82	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Left	23.86	22.93	34.77	PASS



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N71	15	20	DFT-16QAM	L	Inner_1RB_Right	23.5	22.57	34.77	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	22.9	21.97	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Left	22.63	21.7	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Right	22.46	21.53	34.77	PASS
N71	15	20	DFT-64QAM	L	Outer_Full	22.39	21.46	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Left	19.73	18.8	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Right	19.67	18.74	34.77	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	19.53	18.6	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.71	22.78	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.47	22.54	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	23.69	22.76	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Left	23.62	22.69	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Right	23.48	22.55	34.77	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	23.73	22.8	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Left	23.71	22.78	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Right	23.39	22.46	34.77	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	22.76	21.83	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Left	22.59	21.66	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Right	22.32	21.39	34.77	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	22.44	21.51	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Left	19.88	18.95	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Right	19.78	18.85	34.77	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	19.68	18.75	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.63	22.7	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.45	22.52	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	23.64	22.71	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Left	23.76	22.83	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Right	23.59	22.66	34.77	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	23.6	22.67	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Left	23.76	22.83	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Right	23.51	22.58	34.77	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	22.74	21.81	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Left	22.59	21.66	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Right	22.19	21.26	34.77	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	22.2	21.27	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Left	19.84	18.91	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Right	19.57	18.64	34.77	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N71	15	20	DFT-256QAM	L	Outer_Full	6.40	13	PASS
N71	15	20	CP-256QAM	L	Outer_Full	8.30	13	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	6.36	13	PASS
N71	15	20	CP-256QAM	M	Outer_Full	8.17	13	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	6.29	13	PASS
N71	15	20	CP-256QAM	H	Outer_Full	8.22	13	PASS



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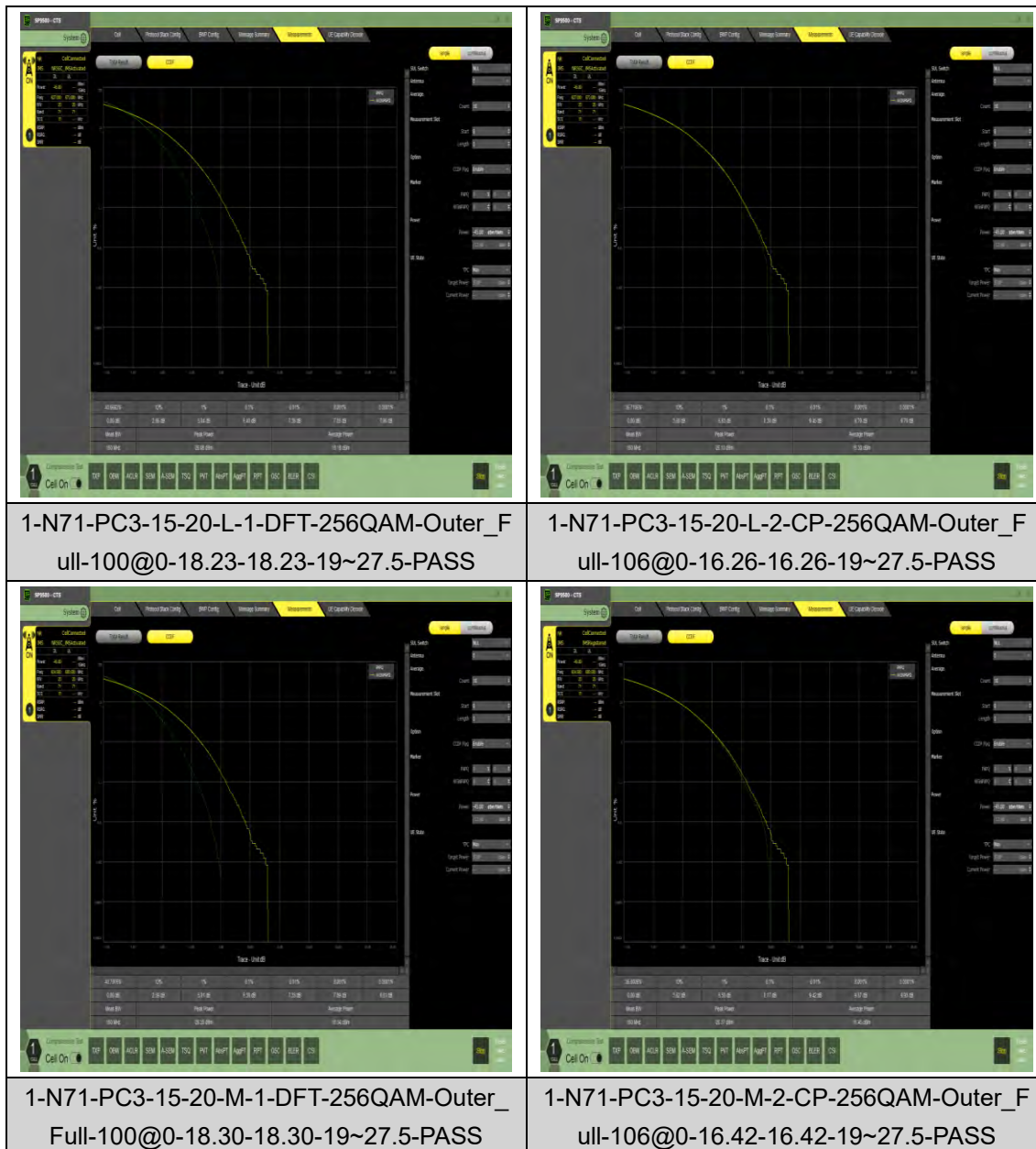
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Test Graphs



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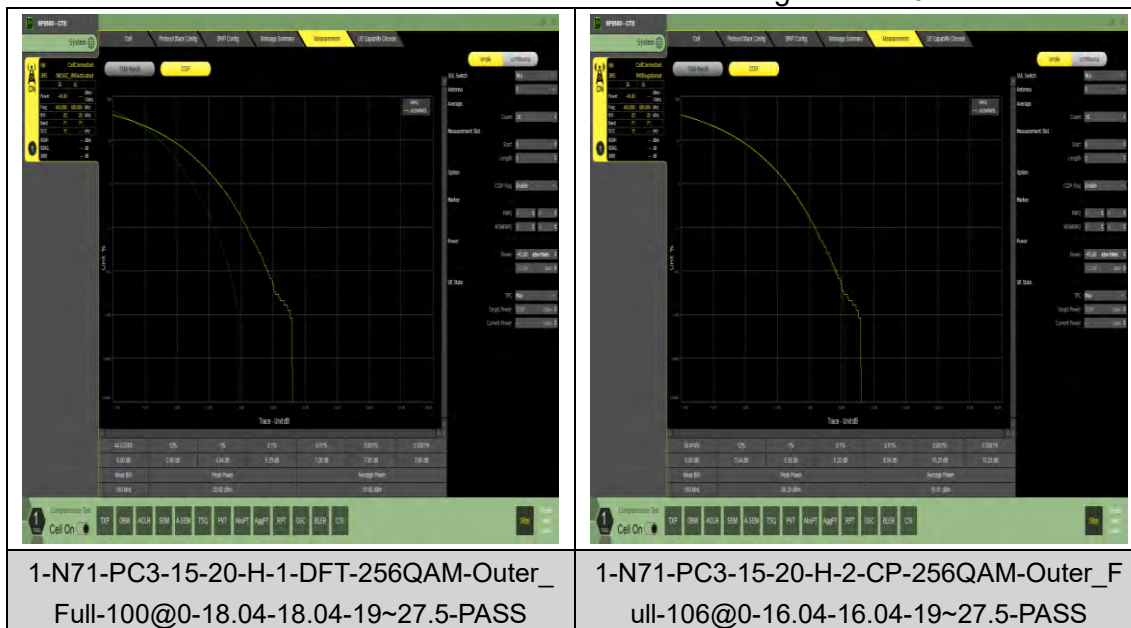
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-QPSK	M	Outer_Full	4.494	5.070	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.468	4.930	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.556	5.250	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.488	5.030	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.495	5.040	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.483	5.100	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.583	5.320	PASS
N71	15	5	CP-64QAM	M	Outer_Full	4.487	5.000	PASS
N71	15	5	CP-256QAM	M	Outer_Full	4.484	5.080	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.934	9.600	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.9	9.520	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.947	9.580	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.942	9.600	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.905	9.700	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.274	10.160	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.285	10.080	PASS
N71	15	10	CP-64QAM	M	Outer_Full	9.288	9.960	PASS
N71	15	10	CP-256QAM	M	Outer_Full	9.294	9.900	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.481	14.460	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.486	14.520	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.515	14.460	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.491	14.340	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.528	14.670	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.132	15.240	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.161	15.180	PASS
N71	15	15	CP-64QAM	M	Outer_Full	14.146	15.450	PASS
N71	15	15	CP-256QAM	M	Outer_Full	14.148	15.210	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.894	19.000	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.924	18.920	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.889	19.080	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	17.933	19.040	PASS



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N71	15	20	DFT-256QAM	M	Outer_Full	17.867	18.840	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.924	20.160	PASS
N71	15	20	CP-16QAM	M	Outer_Full	18.952	20.080	PASS
N71	15	20	CP-64QAM	M	Outer_Full	18.915	20.040	PASS
N71	15	20	CP-256QAM	M	Outer_Full	18.999	20.160	PASS



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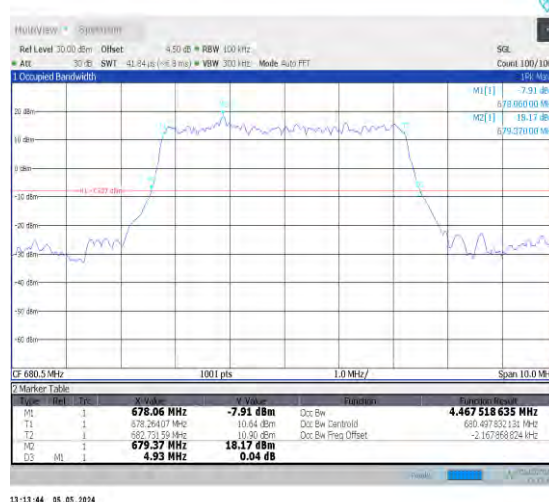
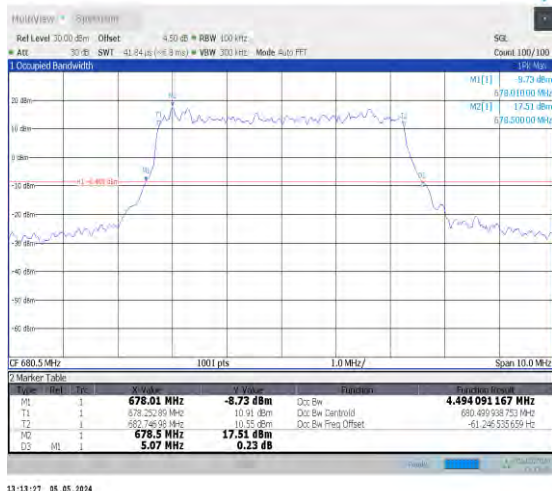
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Test Graphs



1-N71-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-
Ant0-4.494-5.070-≤5-PASS

1-N71-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25
@0-Ant0-4.468-4.930-≤5-PASS



1-N71-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-
Ant0-4.556-5.250-≤5-PASS

1-N71-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-
Ant0-4.488-5.030-≤5-PASS



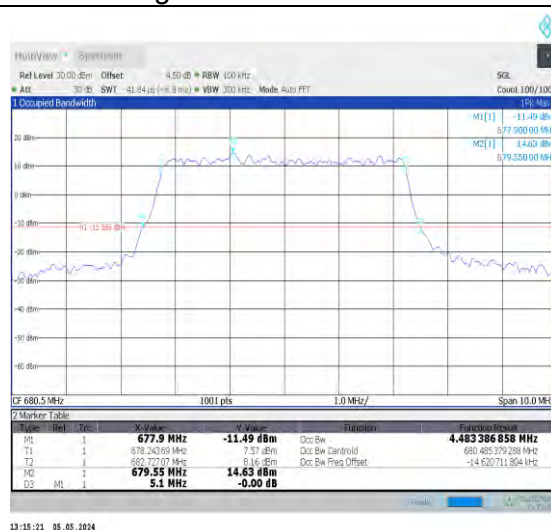
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1-N71-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant0-4.495-5.040-≤5-PASS

1-N71-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant0-4.483-5.100-≤5-PASS



1-N71-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant0-4.583-5.320-≤5-PASS

1-N71-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant0-4.487-5.000-≤5-PASS



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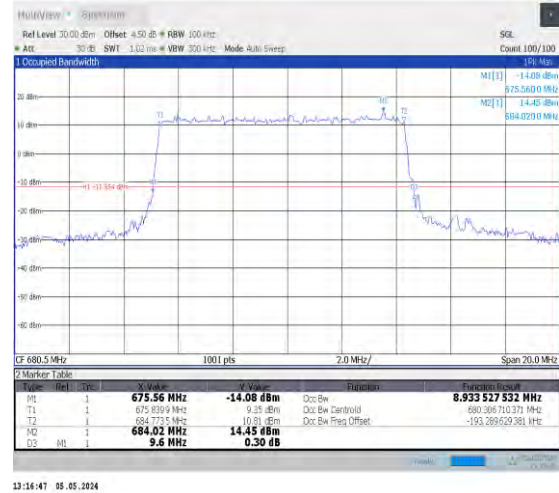
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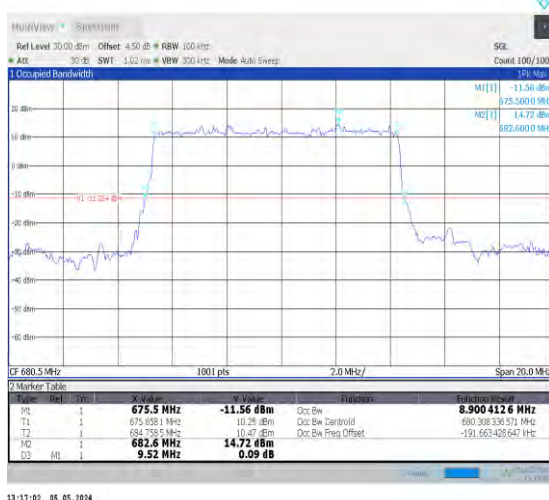
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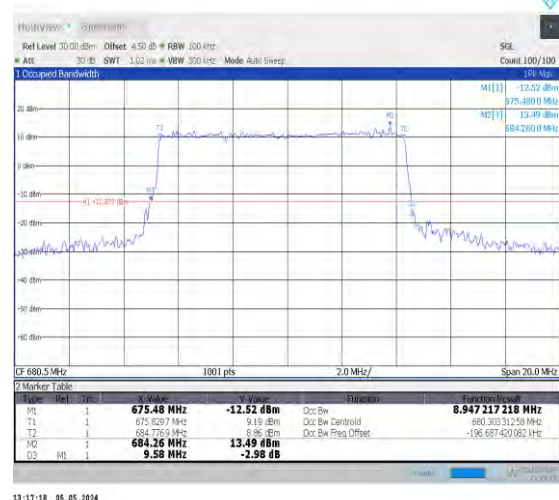
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13:17:02 05.05.2024

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13:17:18 05.05.2024

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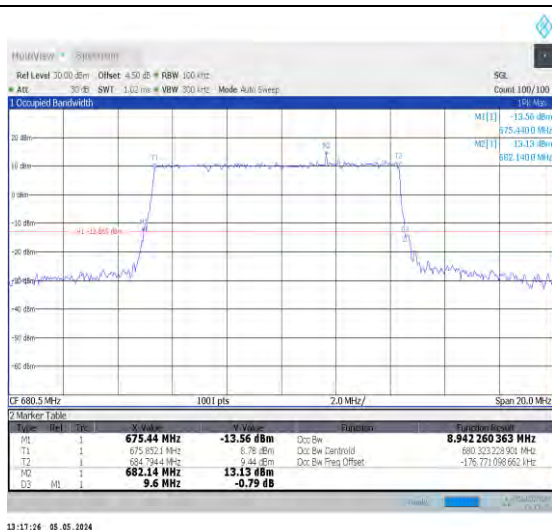
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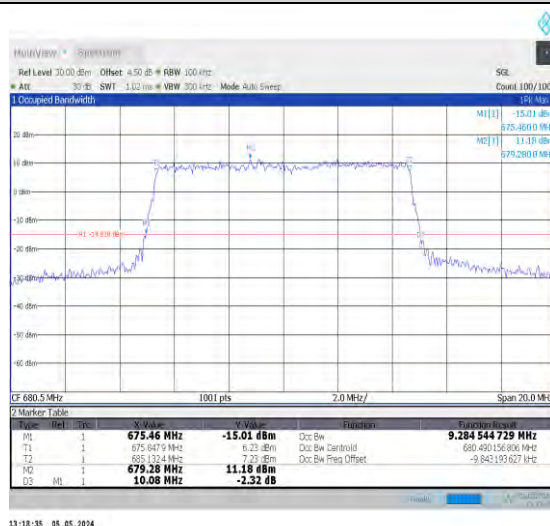
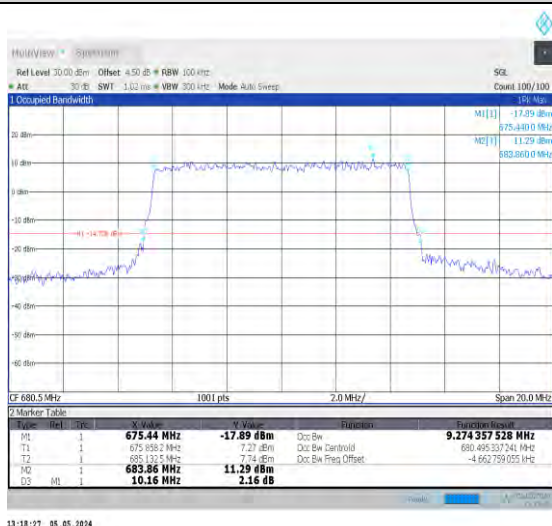
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1-N71-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@
0-Ant0-8.942-9.600-≤10-PASS

1-N71-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50
@0-Ant0-8.905-9.700-≤10-PASS



1-N71-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
Ant0-9.274-10.160-≤10-PASS

1-N71-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-
-Ant0-9.285-10.080-≤10-PASS



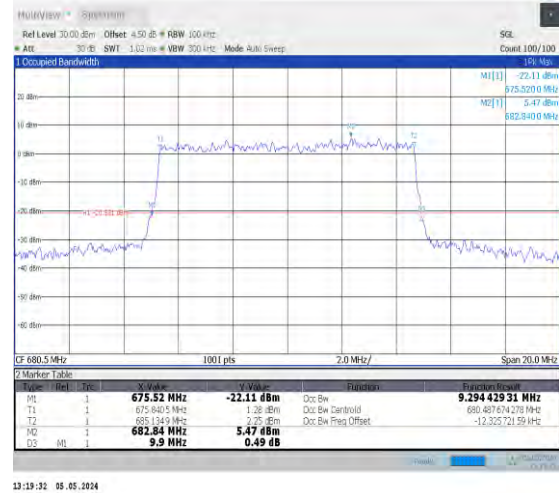
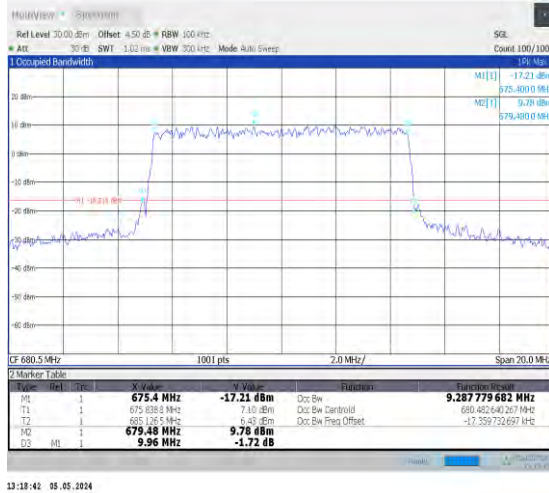
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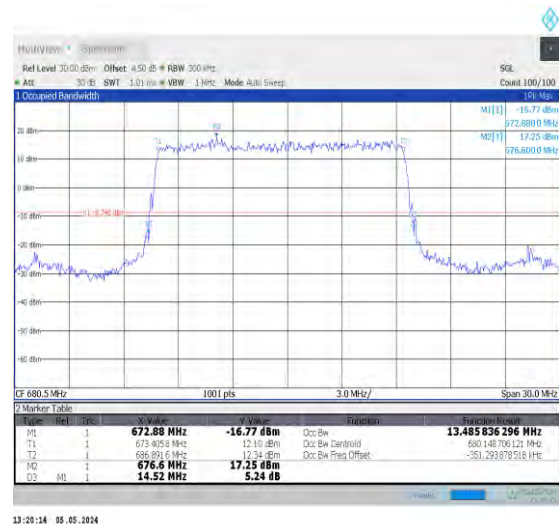
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-Ant0-9.288-9.960-≤10-PASS

1-N71-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
-Ant0-9.294-9.900-≤10-PASS



1-N71-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0
-Ant0-13.481-14.460-≤15-PASS

1-N71-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0
-Ant0-13.486-14.520-≤15-PASS



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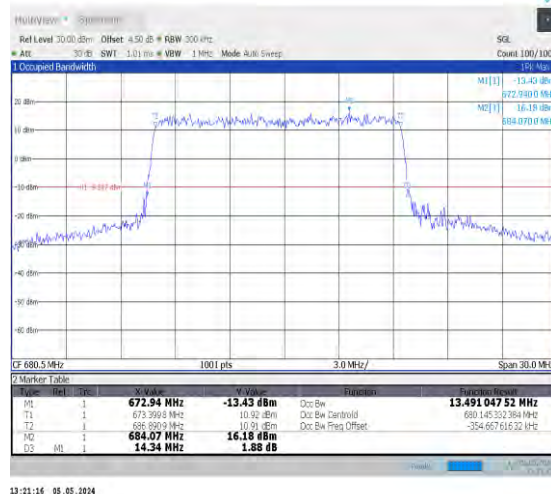
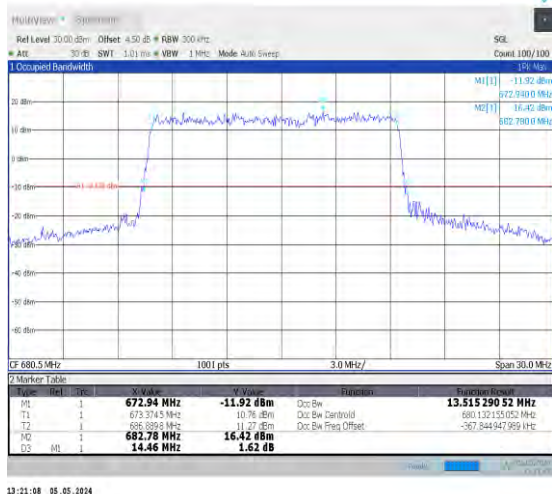
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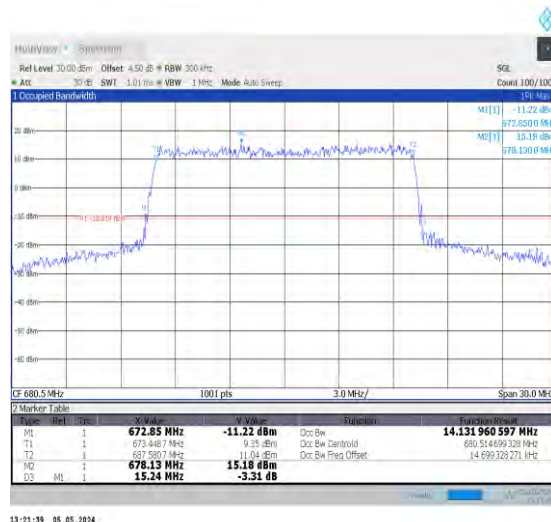
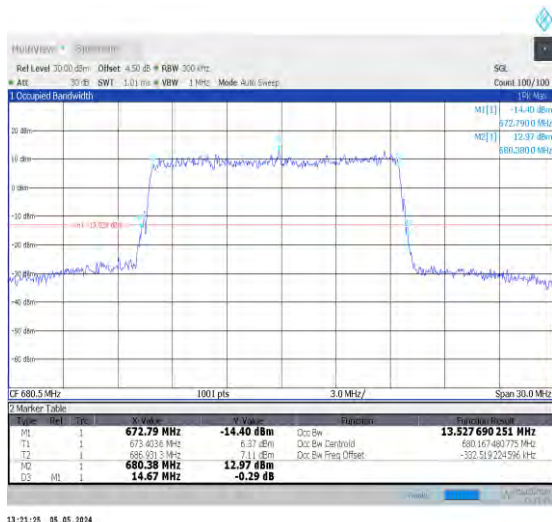
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1-N71-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@
0-Ant0-13.515-14.460-≤15-PASS

1-N71-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@
0-Ant0-13.491-14.340-≤15-PASS



1-N71-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75
@0-Ant0-13.528-14.670-≤15-PASS

1-N71-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-
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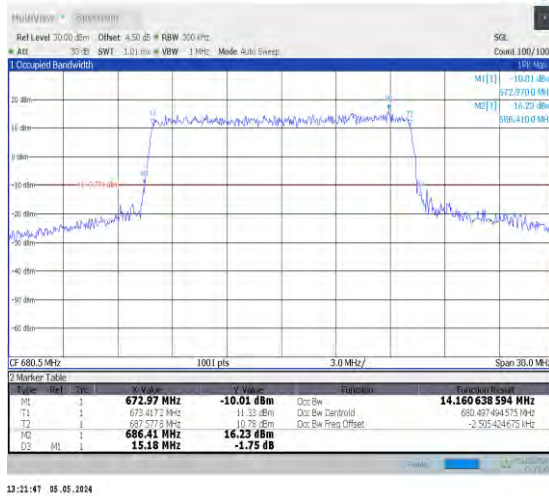
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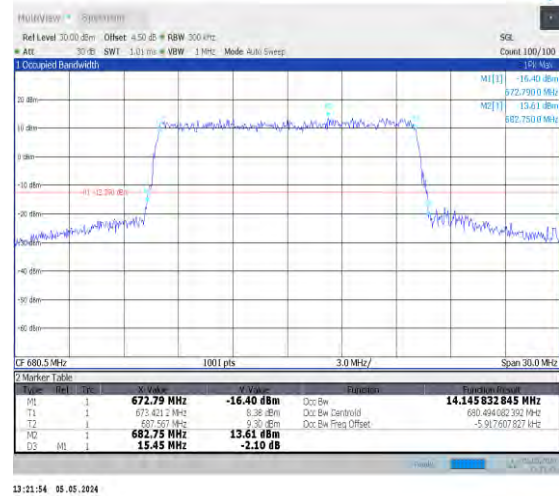
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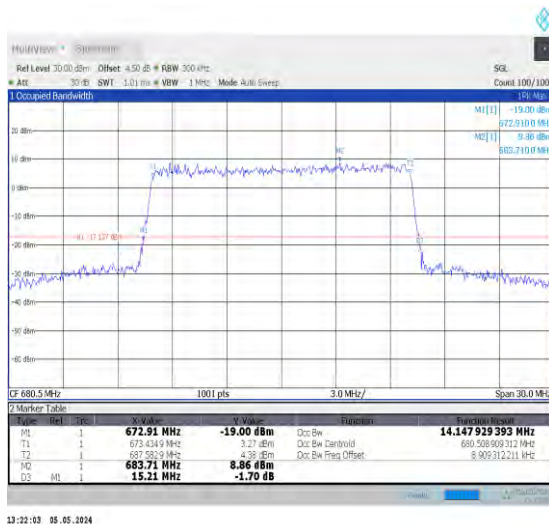
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-Ant0-14.161-15.180-≤15-PASS

1-N71-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0
-Ant0-14.146-15.450-≤15-PASS



13:22:03 05.05.2024



13:23:05 05.05.2024

1-N71-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0
0-Ant0-14.148-15.210-≤15-PASS

1-N71-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0
0-Ant0-17.894-19.000-≤20-PASS



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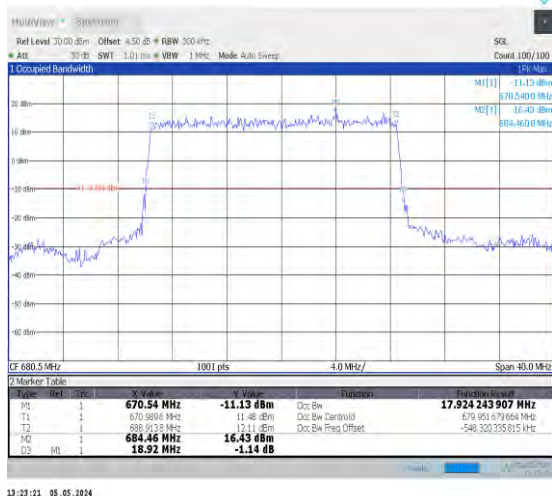
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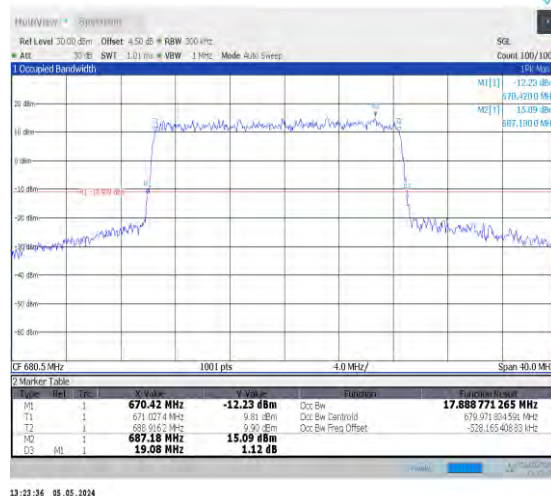
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13:23:26 05.05.2024

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@0-Ant0-17.924-18.920-≤20-PASS

1-N71-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100
@0-Ant0-17.889-19.080-≤20-PASS



13:23:44 05.05.2024



13:23:53 05.05.2024

1-N71-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100
@0-Ant0-17.933-19.040-≤20-PASS

1-N71-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100
@0-Ant0-17.867-18.840-≤20-PASS



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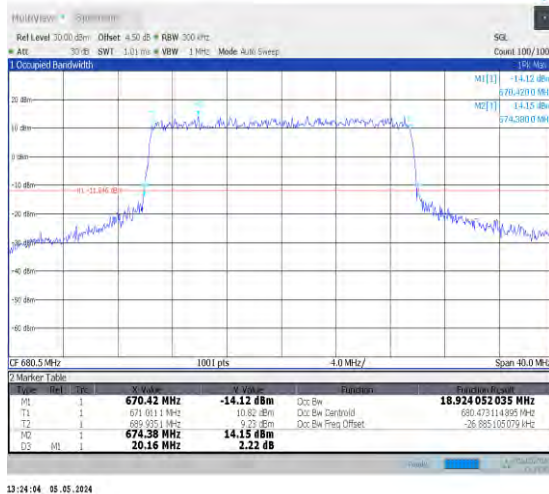
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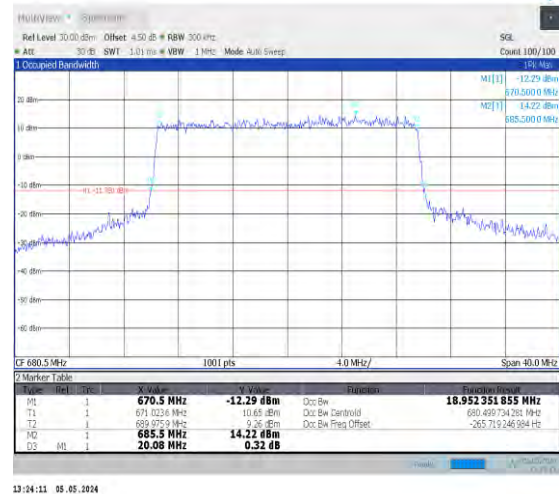
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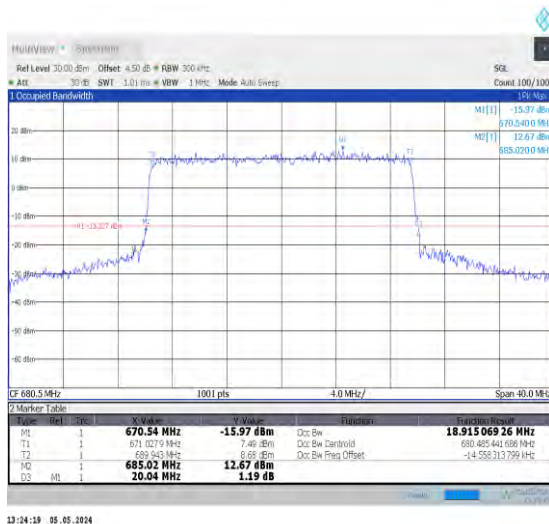
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-Ant0-18.924-20.160-≤20-PASS

1-N71-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@
0-Ant0-18.952-20.080-≤20-PASS



13:24:19 05.05.2024



13:24:28 05.05.2024

1-N71-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@
0-Ant0-18.915-20.040-≤20-PASS

1-N71-PC3-15-20-M-9-CP-256QAM-Outer_Full-106
@0-Ant0-18.999-20.160-≤20-PASS



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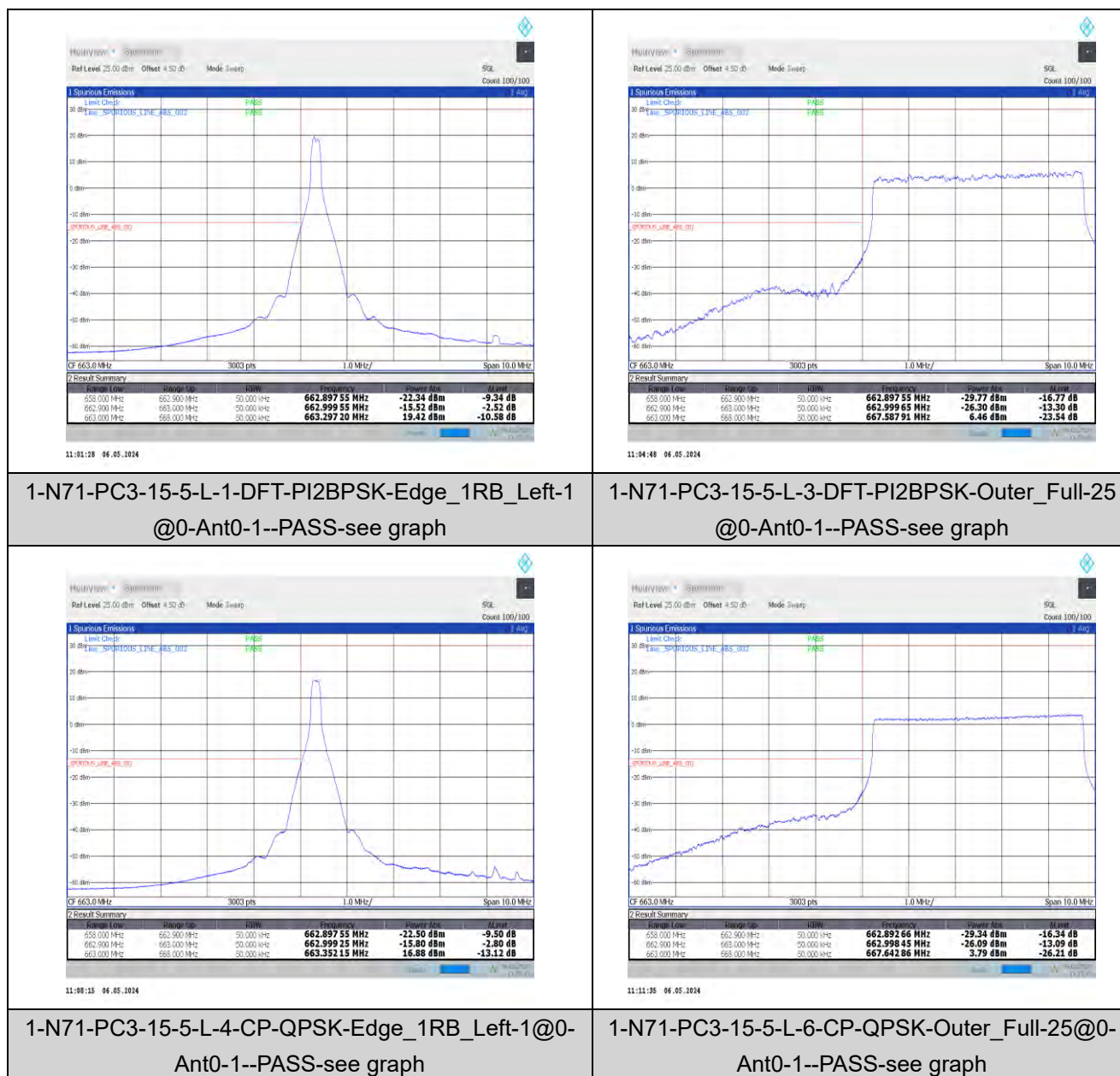
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Band Edge for SA

Test Graphs



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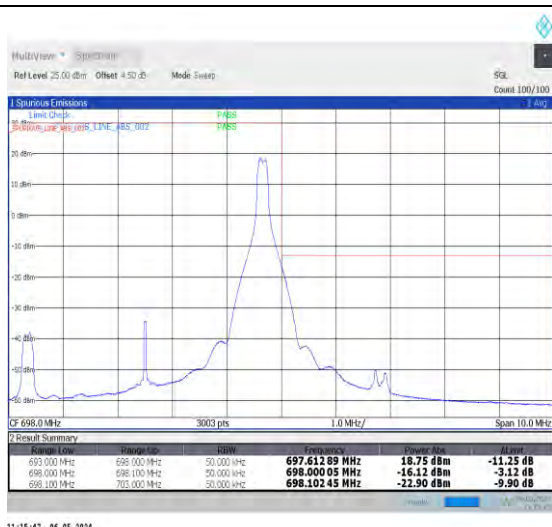
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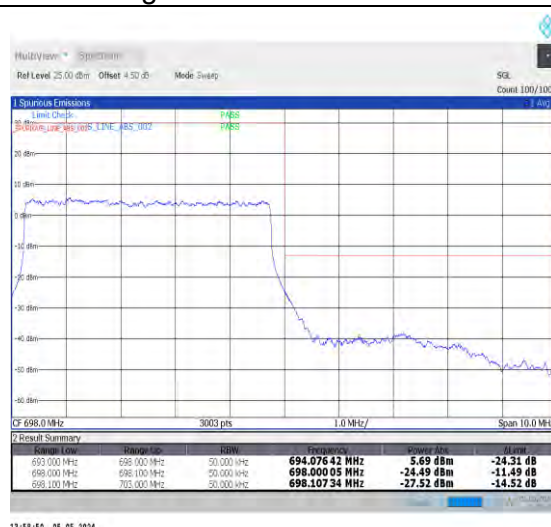
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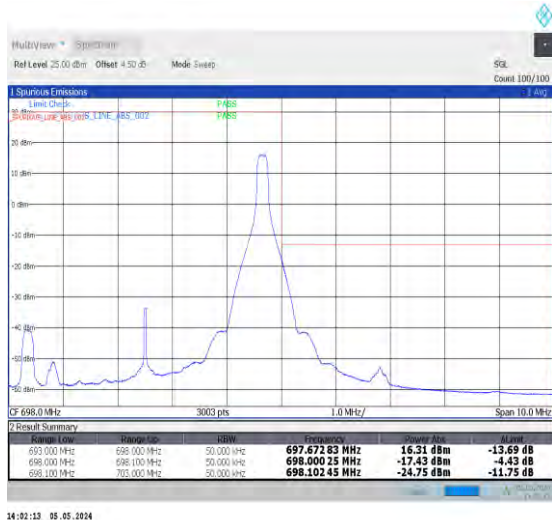
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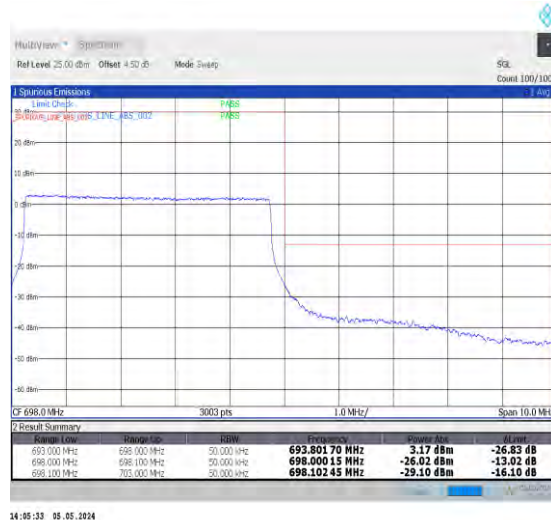
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1-N71-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant0-1--PASS-see graph



14:02:13 05.05.2024

1-N71-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant0-1--PASS-see graph



14:05:33 05.05.2024

1-N71-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant0-1--PASS-see graph



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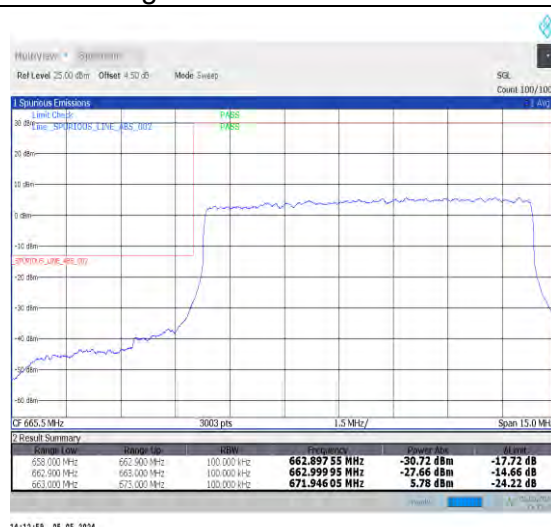
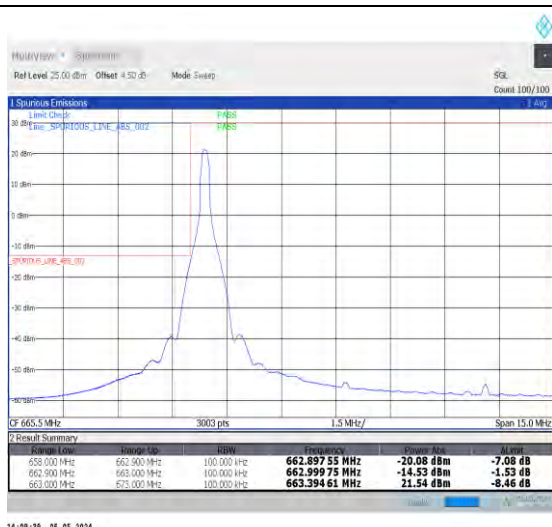
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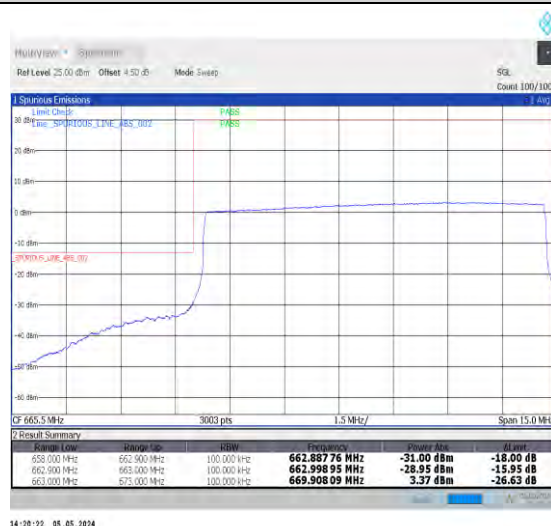
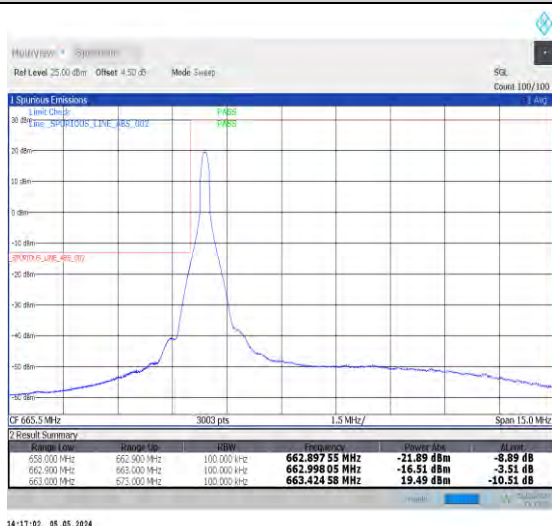
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1-N71-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N71-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-1--PASS-see graph



1-N71-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N71-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant0-1--PASS-see graph



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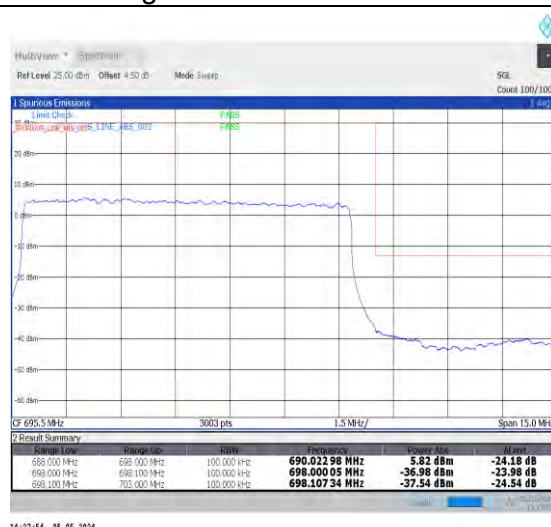
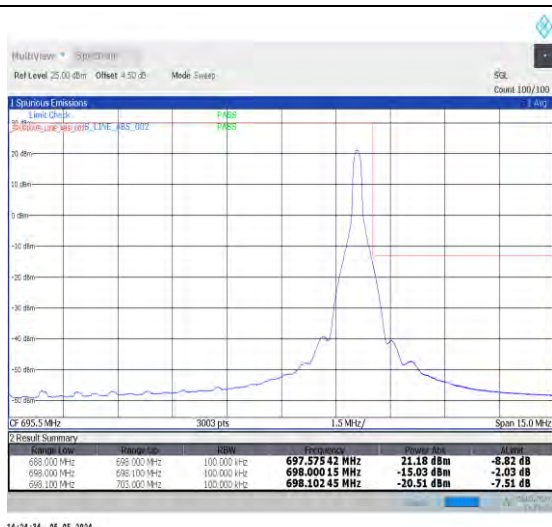
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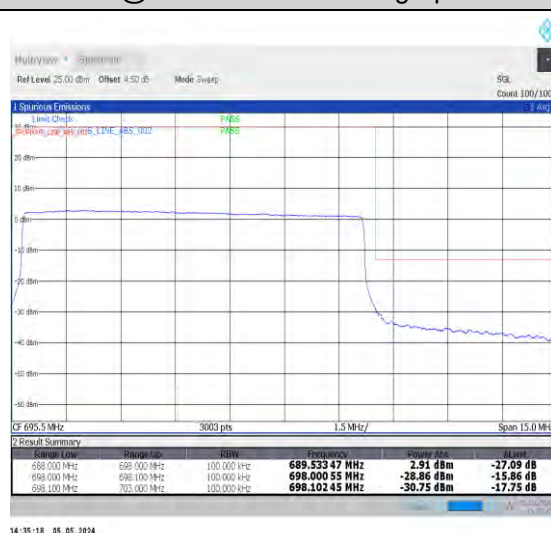
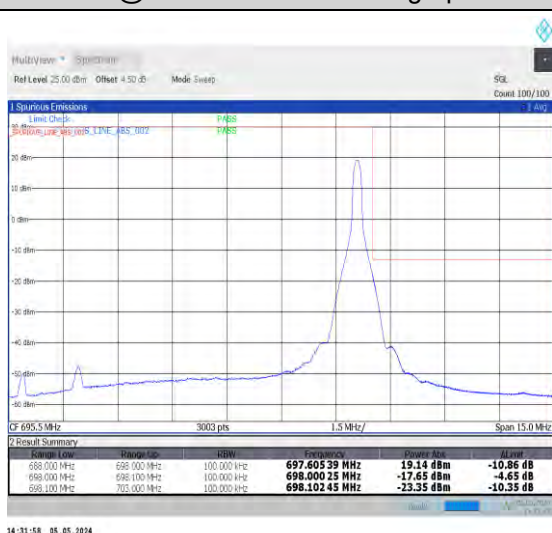
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1-N71-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-t1@51-Ant0-1--PASS-see graph

1-N71-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-1--PASS-see graph



1-N71-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant0-1--PASS-see graph

1-N71-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant0-1--PASS-see graph



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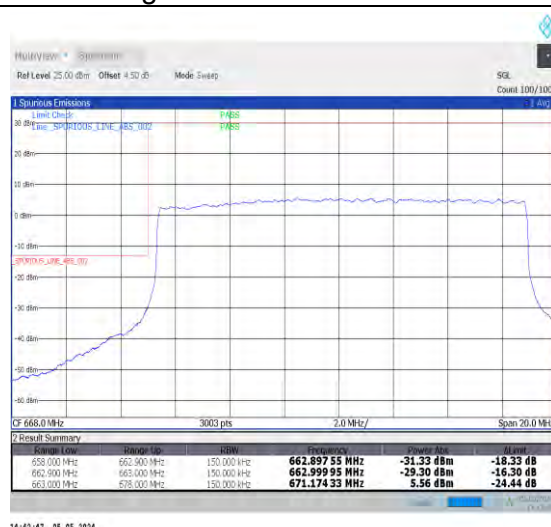
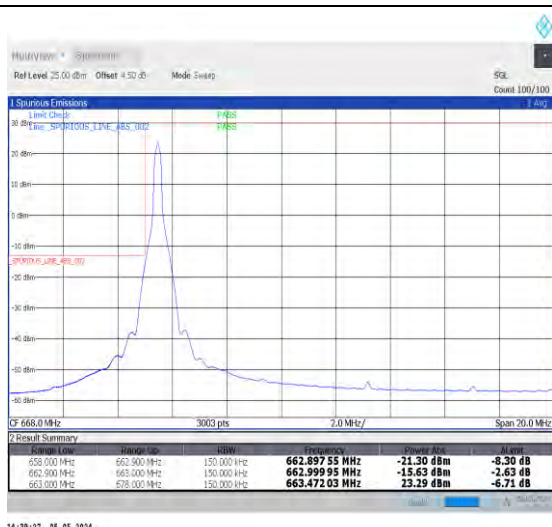
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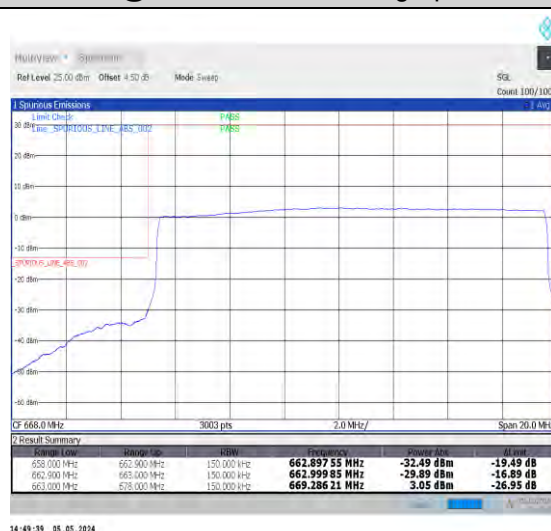
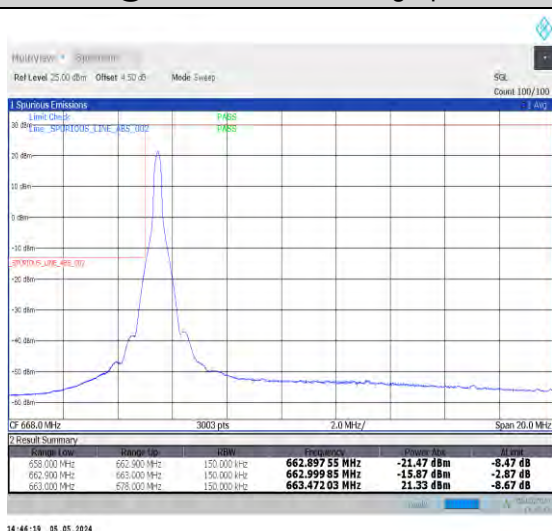
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1-N71-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N71-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-1--PASS-see graph



1-N71-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N71-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant0-1--PASS-see graph



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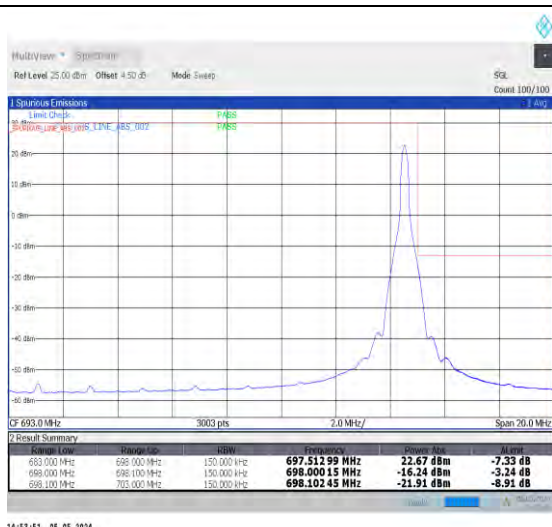
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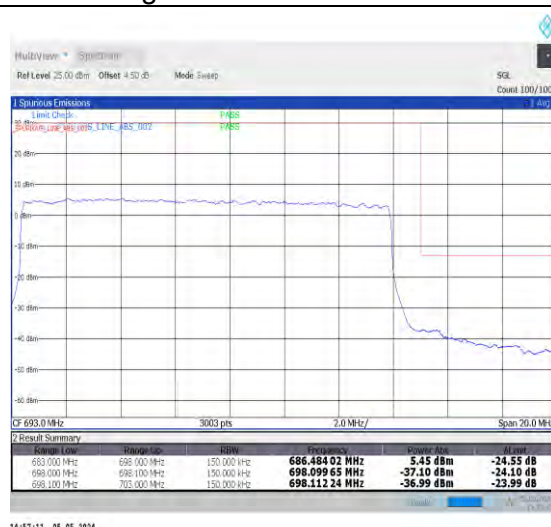
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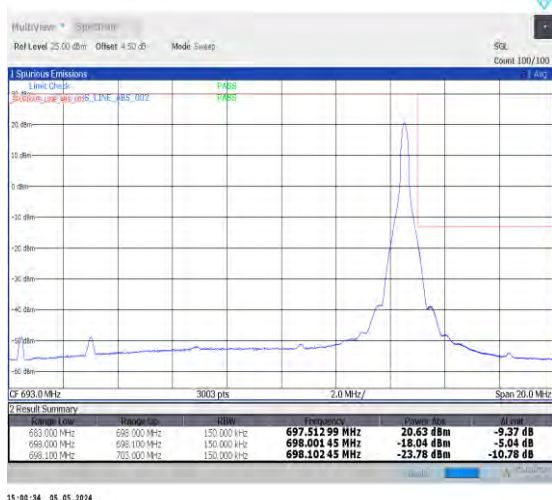
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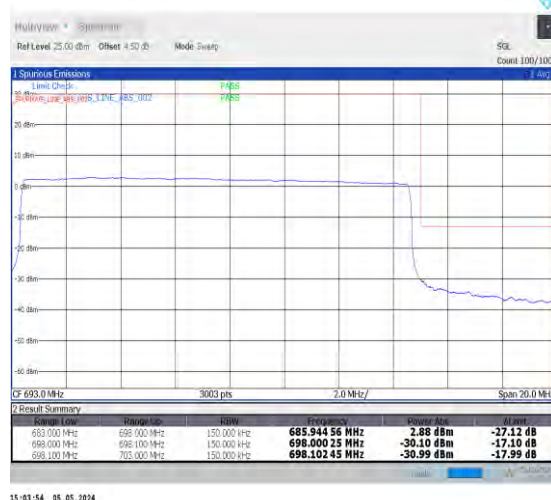
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1-N71-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant0-1--PASS-see graph



1-N71-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-1--PASS-see graph



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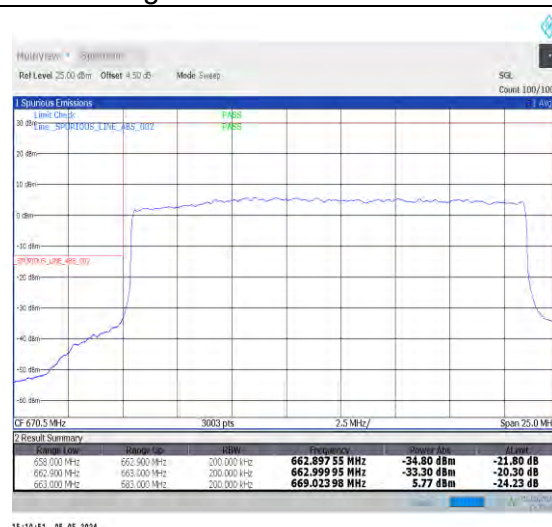
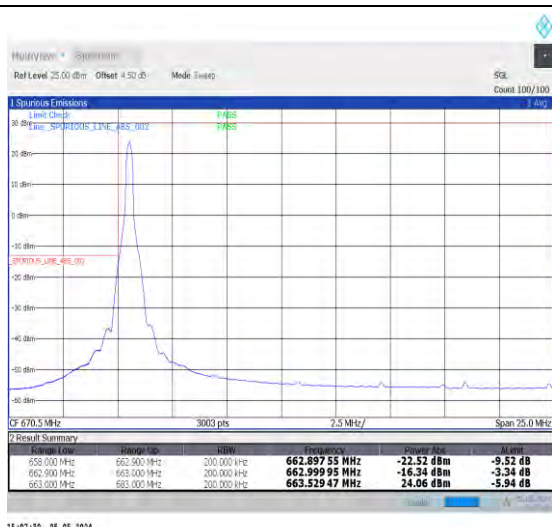
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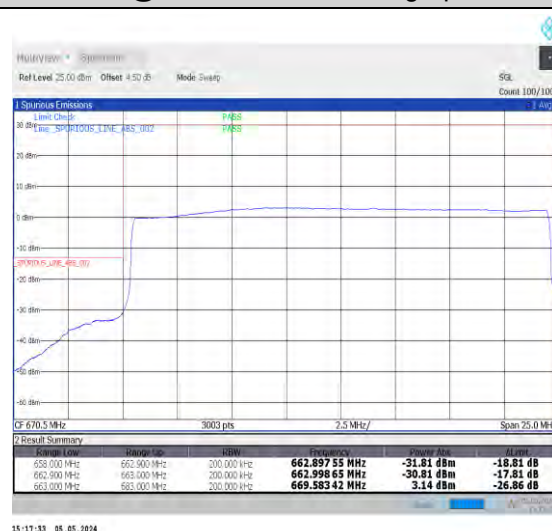
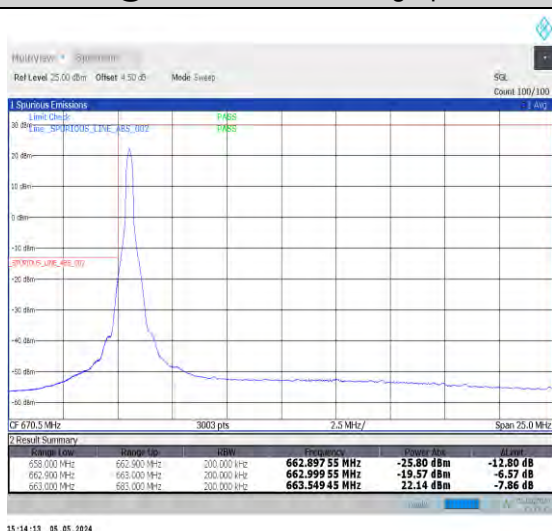
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1-N71-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N71-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant0-1--PASS-see graph



1-N71-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N71-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant0-1--PASS-see graph



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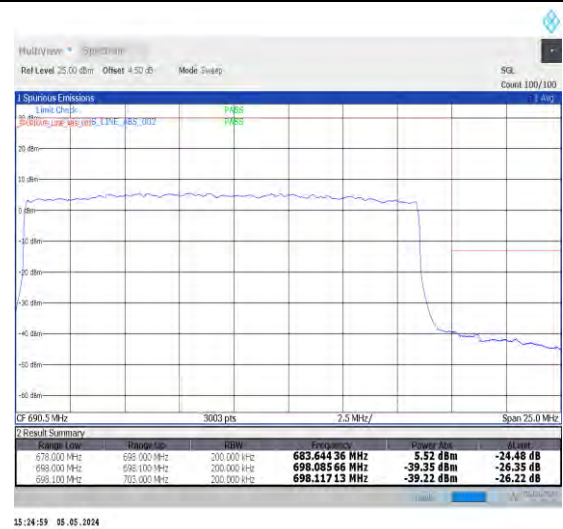
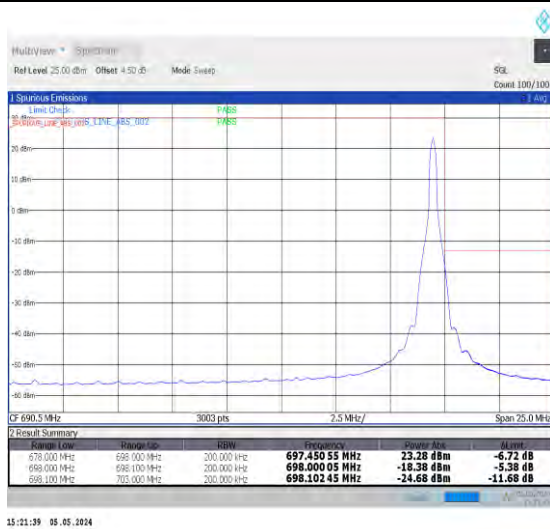
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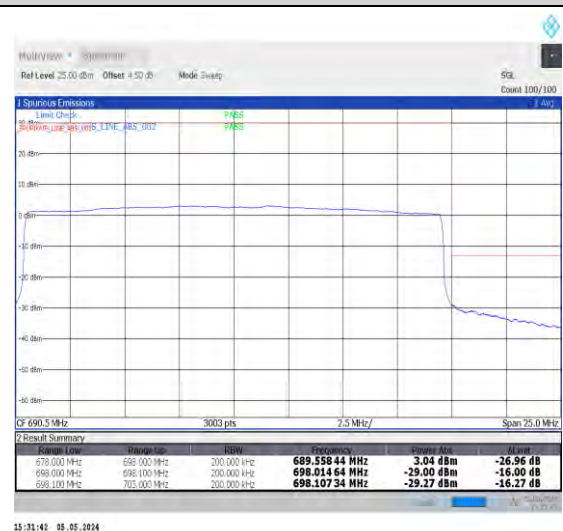
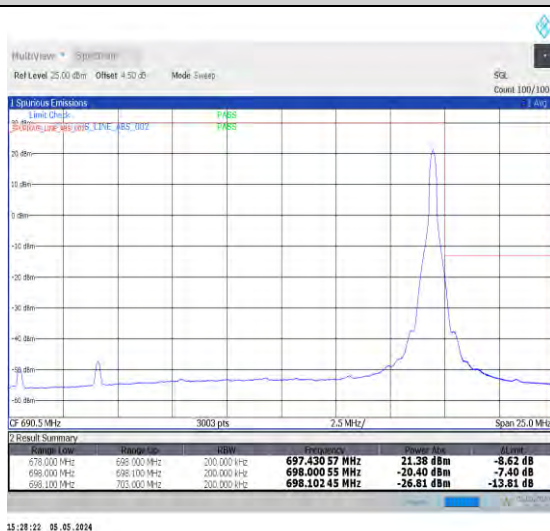
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1-N71-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-1 00@0-Ant0-1--PASS-see graph



1-N71-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1 @105-Ant0-1--PASS-see graph

1-N71-PC3-15-20-H-6-CP-QPSK-Outer_Full-106 @0-Ant0-1--PASS-see graph



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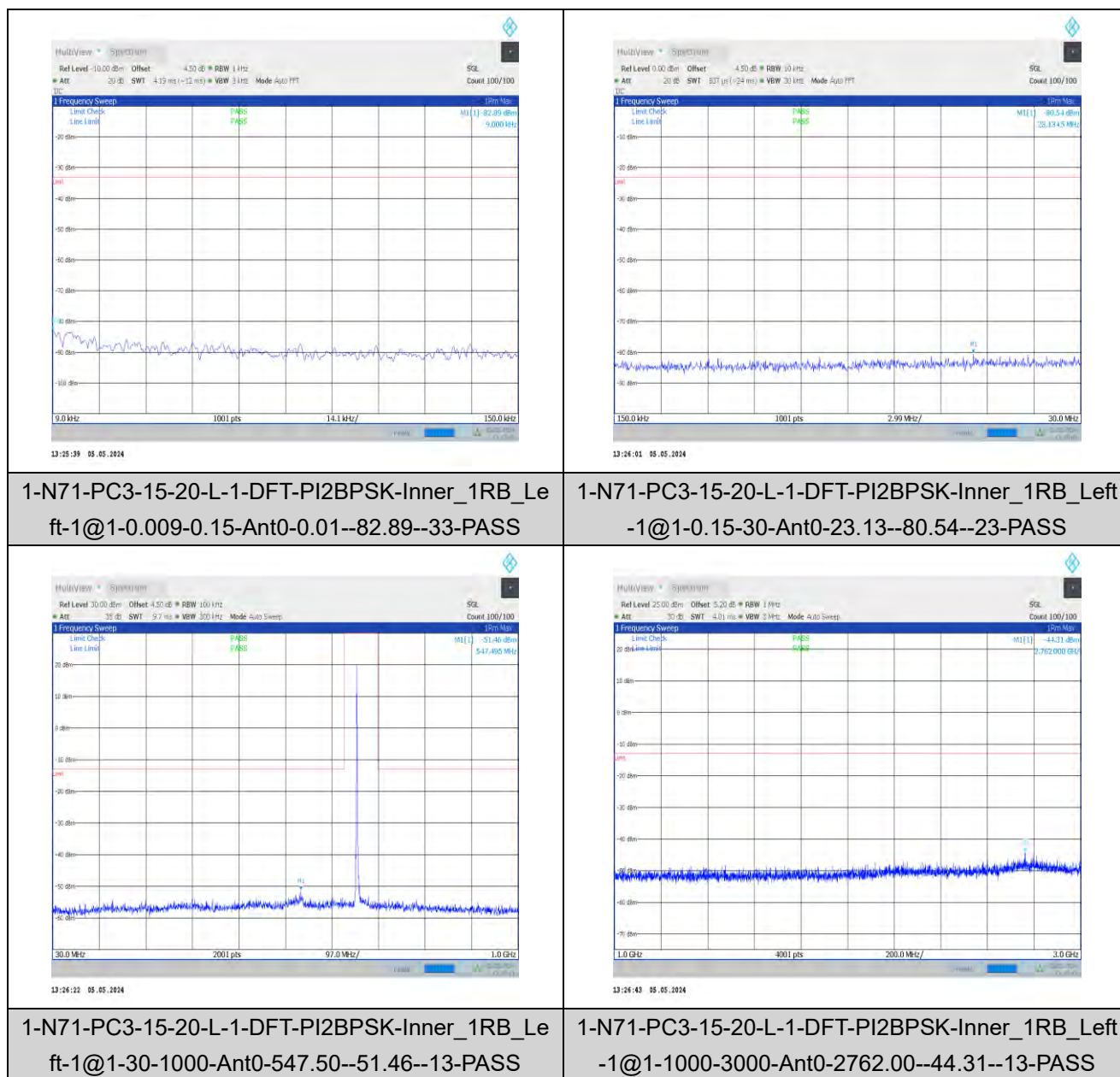
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Conducted Spurious Emission for SA

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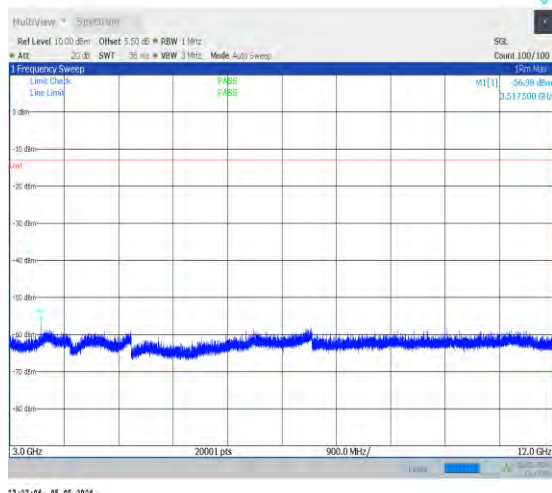
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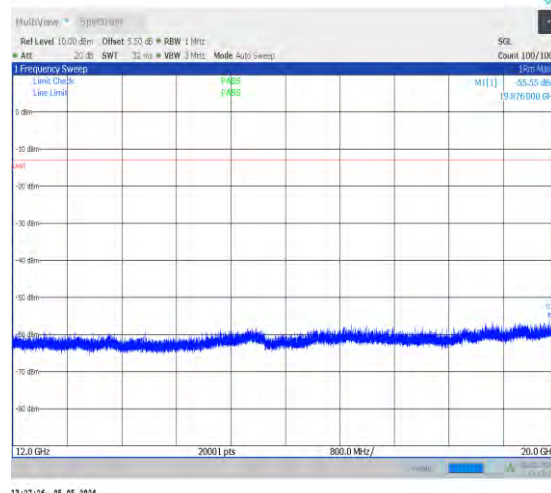
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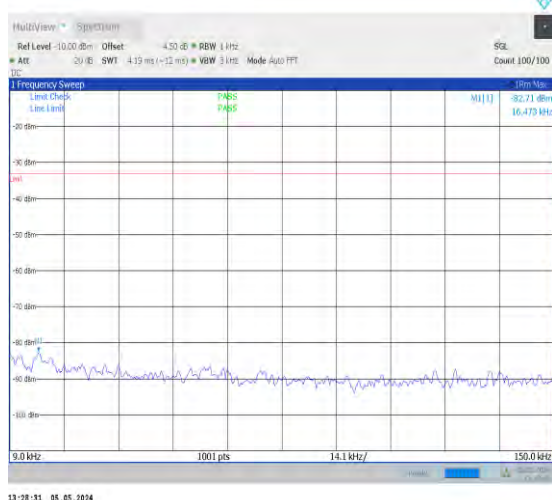
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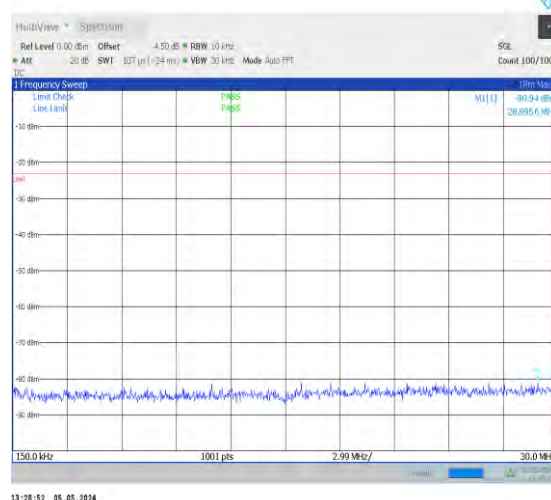
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1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant0-0.02--82.71--33-PASS



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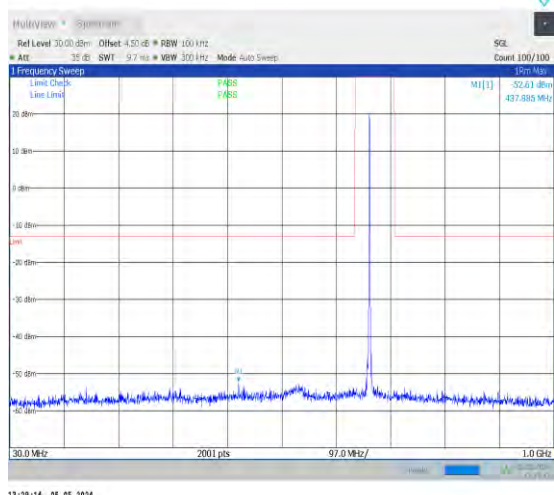
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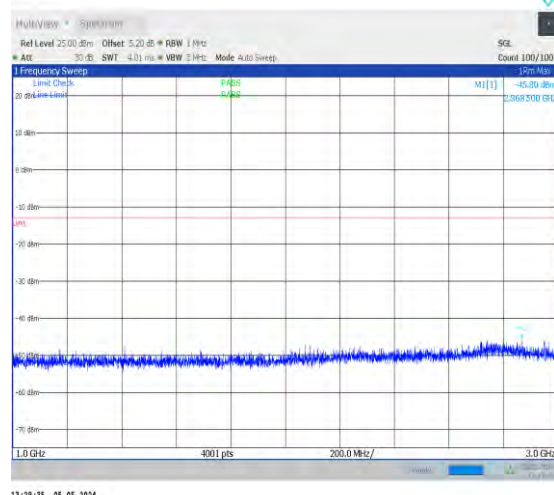
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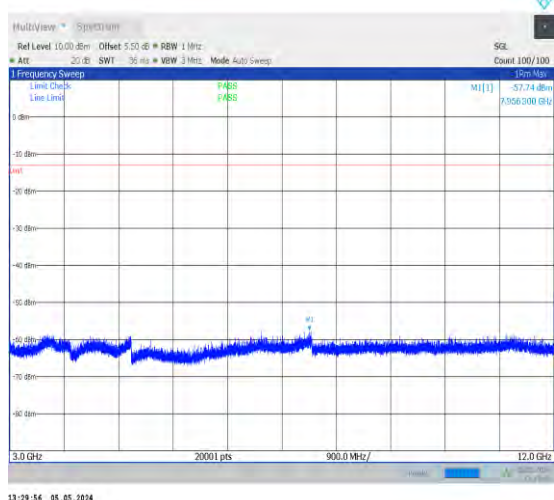
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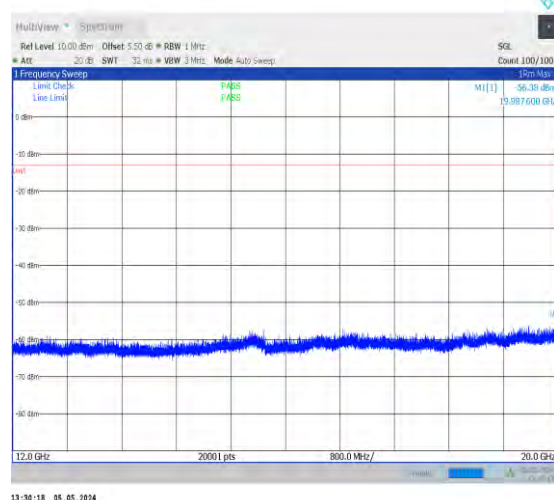
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t-1@1-1000-3000-Ant0-2868.50--45.80--13-PASS



1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant0-7956.30--57.74--13-PAS
S



1-N71-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-12000-20000-Ant0-19987.60--56.38--13-PASS



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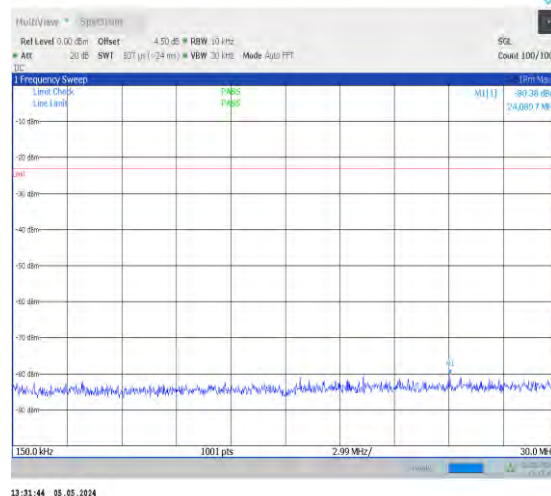
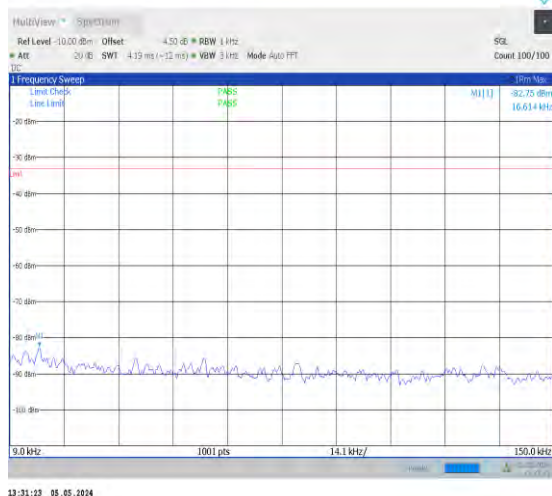
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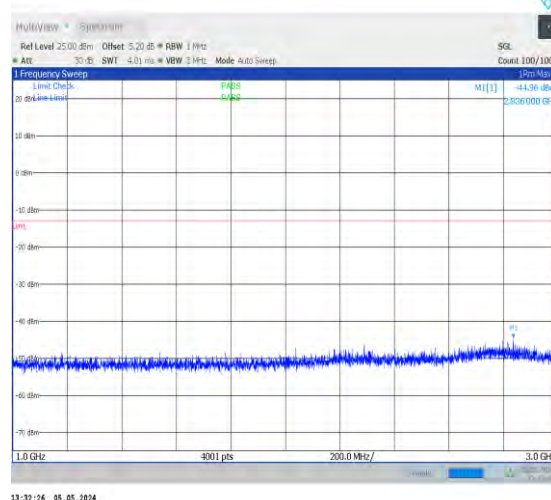
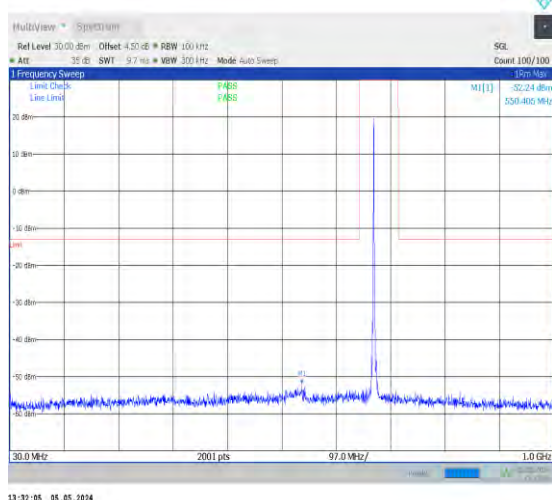
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1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-0.009-0.15-Ant0-0.02--82.75--33-PASS

1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-0.15-30-Ant0-24.09--80.38--23-PASS



1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant0-550.41--52.24--13-PASS

1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-1000-3000-Ant0-2836.00--44.96--13-PASS



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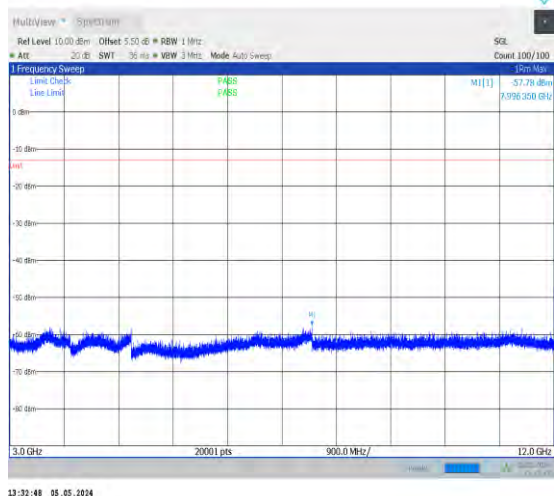
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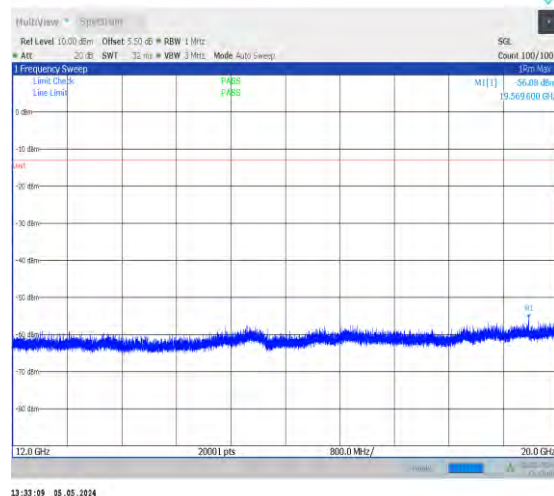
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1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant0-7996.35--57.78--13-PAS
S



1-N71-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-12000-20000-Ant0-19569.60--56.08--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N71

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1327	72.40	-53.83	25.76	-50.93	-13.00	37.93	Horizontal
2	1991	68.54	-52.78	26.67	-52.83	-13.00	39.83	Horizontal
3	3444	54.84	-49.67	29.62	-60.47	-13.00	47.47	Horizontal
4	4319	53.10	-46.81	31.84	-57.13	-13.00	44.13	Horizontal
5	6084.5	51.80	-44.18	34.47	-53.17	-13.00	40.17	Horizontal
6	9098.5	49.40	-39.71	38.70	-46.87	-13.00	33.87	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1327	56.70	-53.83	25.76	-66.63	-13.00	53.63	Vertical
2	1991	55.51	-52.78	26.67	-65.86	-13.00	52.86	Vertical
3	2531	54.52	-51.69	28.19	-64.24	-13.00	51.24	Vertical
4	3843.5	53.21	-48.02	30.41	-59.66	-13.00	46.66	Vertical
5	5092.5	51.85	-44.49	33.49	-54.41	-13.00	41.41	Vertical
6	7369.5	50.81	-42.53	36.86	-50.12	-13.00	37.12	Vertical



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Test Band = SA_N71

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1342	70.00	-53.72	25.85	-53.13	-13.00	40.13	Horizontal
2	2013	62.68	-52.73	26.88	-58.43	-13.00	45.43	Horizontal
3	3440	55.52	-49.68	29.64	-59.78	-13.00	46.78	Horizontal
4	5067	52.37	-44.69	33.43	-54.15	-13.00	41.15	Horizontal
5	6897	50.56	-43.40	36.19	-51.91	-13.00	38.91	Horizontal
6	9083.5	50.15	-39.74	38.70	-46.15	-13.00	33.15	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1342	56.85	-53.72	25.85	-66.28	-13.00	53.28	Vertical
2	1770.5	56.00	-53.16	25.58	-66.84	-13.00	53.84	Vertical
3	2783	54.28	-51.31	28.63	-63.66	-13.00	50.66	Vertical
4	4316	53.05	-46.84	31.83	-57.22	-13.00	44.22	Vertical
5	6073	51.30	-44.02	34.45	-53.53	-13.00	40.53	Vertical
6	8552.5	49.42	-40.78	39.06	-47.56	-13.00	34.56	Vertical



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Test Band = SA_N71
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1357	71.28	-53.69	25.89	-51.78	-13.00	38.78	Horizontal
2	2036	58.89	-52.63	27.02	-61.98	-13.00	48.98	Horizontal
3	3435.5	56.15	-49.69	29.66	-59.14	-13.00	46.14	Horizontal
4	5049.5	52.58	-44.83	33.40	-54.11	-13.00	41.11	Horizontal
5	7900	50.06	-41.66	37.40	-49.46	-13.00	36.46	Horizontal
6	9725.5	48.21	-38.36	38.75	-46.66	-13.00	33.66	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1357	58.01	-53.69	25.89	-65.05	-13.00	52.05	Vertical
2	1773	62.40	-53.15	25.59	-60.42	-13.00	47.42	Vertical
3	2537	54.60	-51.66	28.22	-64.10	-13.00	51.10	Vertical
4	4141	52.76	-47.91	31.03	-59.38	-13.00	46.38	Vertical
5	5076	52.38	-44.62	33.45	-54.05	-13.00	41.05	Vertical
6	7378	50.72	-42.37	36.84	-50.07	-13.00	37.07	Vertical



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Test Band = NSA_B2+N71

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3688	54.10	-49.90	30.32	-60.74	-13.00	47.74	Horizontal
2	4497.5	53.66	-48.43	31.81	-58.22	-13.00	45.22	Horizontal
3	5873	51.73	-45.72	34.19	-55.06	-13.00	42.06	Horizontal
4	8544.5	49.55	-41.47	38.97	-48.21	-13.00	35.21	Horizontal
5	11423	47.71	-38.45	39.65	-46.35	-13.00	33.35	Horizontal
6	17989.5	48.76	-38.98	42.74	-42.74	-13.00	29.74	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3755.5	57.39	-49.47	30.50	-56.84	-13.00	43.84	Vertical
2	5078	52.58	-47.47	33.46	-56.69	-13.00	43.69	Vertical
3	6785	50.96	-44.62	36.27	-52.65	-13.00	39.65	Vertical
4	8549.5	48.71	-41.37	39.09	-48.83	-13.00	35.83	Vertical
5	13406	47.20	-36.61	40.29	-44.38	-13.00	31.38	Vertical
6	17996.5	48.92	-38.99	42.78	-42.55	-13.00	29.55	Vertical



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Report No.: SUCR240400009002

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Test Band = NSA_B2+N71
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3883	54.09	-49.42	30.53	-60.06	-13.00	47.06	Horizontal
2	5146.5	52.30	-47.20	33.59	-56.57	-13.00	43.57	Horizontal
3	7359.5	50.30	-43.50	36.88	-51.58	-13.00	38.58	Horizontal
4	9486	49.20	-40.72	39.14	-47.64	-13.00	34.64	Horizontal
5	14355.5	47.80	-36.43	40.59	-43.30	-13.00	30.30	Horizontal
6	17985.5	49.06	-38.97	42.71	-42.46	-13.00	29.46	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3755.5	56.20	-49.47	30.50	-58.03	-13.00	45.03	Vertical
2	5125	52.22	-47.33	33.55	-56.82	-13.00	43.82	Vertical
3	6997	50.56	-43.54	36.49	-51.75	-13.00	38.75	Vertical
4	9515.5	49.09	-40.77	39.17	-47.77	-13.00	34.77	Vertical
5	12636.5	47.60	-37.63	39.33	-45.96	-13.00	32.96	Vertical
6	17912	48.77	-38.23	42.27	-42.45	-13.00	29.45	Vertical



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Test Band = NSA_B2+N71
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3628	53.92	-49.52	30.31	-60.55	-13.00	47.55	Horizontal
2	5155.5	52.63	-47.09	33.46	-56.26	-13.00	43.26	Horizontal
3	6968.5	51.58	-44.16	36.44	-51.40	-13.00	38.40	Horizontal
4	8543	49.69	-41.50	38.93	-48.14	-13.00	35.14	Horizontal
5	11849	47.53	-38.13	39.70	-46.16	-13.00	33.16	Horizontal
6	15042.5	48.34	-35.33	39.86	-42.39	-13.00	29.39	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3755.5	55.97	-49.47	30.50	-58.26	-13.00	45.26	Vertical
2	5100	52.63	-47.47	33.50	-56.60	-13.00	43.60	Vertical
3	6746.5	50.28	-44.04	36.17	-52.85	-13.00	39.85	Vertical
4	9006.5	49.24	-41.20	38.79	-48.43	-13.00	35.43	Vertical
5	14134	47.04	-35.81	40.73	-43.30	-13.00	30.30	Vertical
6	17996.5	48.94	-38.99	42.78	-42.53	-13.00	29.53	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-10.600000	-0.015577	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-11.500000	-0.016899	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-9.800000	-0.014401	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	-6.500000	-0.009552	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.000000	-0.004409	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	-6.900000	-0.010140	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-9.800000	-0.014401	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-10.000000	-0.014695	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-9.800000	-0.014401	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-10.100000	-0.014842	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-7.100000	-0.010434	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-9.200000	-0.013519	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.900000	-0.011609	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-10.000000	-0.014695	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-9.500000	-0.013960	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	-3.000000	-0.004409	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-3.700000	-0.005437	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	-3.700000	-0.005437	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	-1.700000	-0.002498	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-4.200000	-0.006172	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-3.200000	-0.004702	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-5.000000	-0.007348	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-2.300000	-0.003380	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	-3.000000	-0.004409	PASS

---End of Attachment---



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