Appendix B.21

NR Band n71

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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N71	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.15	22.39	34.77	PASS
N71	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.18	22.42	34.77	PASS
N71	15	5	DFT-PI2BPSK	L	Outer_Full	22.09	21.33	34.77	PASS
N71	15	5	DFT-QPSK	L	Inner_1RB_Left	23.14	22.38	34.77	PASS
N71	15	5	DFT-QPSK	L	Inner_1RB_Right	23.18	22.42	34.77	PASS
N71	15	5	DFT-QPSK	L	Outer_Full	22.08	21.32	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Left	21.98	21.22	34.77	PASS
N71	15	5	DFT-16QAM	L	Inner_1RB_Right	21.98	21.22	34.77	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	21.16	20.4	34.77	PASS
N71	15	5	DFT-64QAM	L	Inner_1RB_Left	20.74	19.98	34.77	PASS
N71	15	5	DFT-64QAM	L	Inner_1RB_Right	20.75	19.99	34.77	PASS
N71	15	5	DFT-64QAM	L	Outer_Full	20.67	19.91	34.77	PASS
N71	15	5	DFT-256QAM	L	Inner_1RB_Left	18.66	17.9	34.77	PASS
N71	15	5	DFT-256QAM	L	Inner_1RB_Right	18.55	17.79	34.77	PASS
N71	15	5	DFT-256QAM	L	Outer_Full	18.68	17.92	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23	22.24	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.08	22.32	34.77	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	22.04	21.28	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Left	23.03	22.27	34.77	PASS
N71	15	5	DFT-QPSK	M	Inner_1RB_Right	23.08	22.32	34.77	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	22.01	21.25	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Left	21.82	21.06	34.77	PASS
N71	15	5	DFT-16QAM	M	Inner_1RB_Right	21.88	21.12	34.77	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	21.01	20.25	34.77	PASS
N71	15	5	DFT-64QAM	M	Inner_1RB_Left	20.6	19.84	34.77	PASS
N71	15	5	DFT-64QAM	M	Inner_1RB_Right	20.65	19.89	34.77	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	20.58	19.82	34.77	PASS
N71	15	5	DFT-256QAM	M	Inner_1RB_Left	18.54	17.78	34.77	PASS
N71	15	5	DFT-256QAM	M	Inner_1RB_Right	18.62	17.86	34.77	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	18.61	17.85	34.77	PASS
N71	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.16	22.4	34.77	PASS

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N71	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.17	22.41	34.77	PASS
N71	15	5	DFT-PI2BPSK	H	Outer_Full	22.16	21.4	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Left	23.17	22.41	34.77	PASS
N71	15	5	DFT-QPSK	H	Inner_1RB_Right	23.21	22.45	34.77	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	22.14	21.38	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Left	22.1	21.34	34.77	PASS
N71	15	5	DFT-16QAM	H	Inner_1RB_Right	22.18	21.42	34.77	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	21.15	20.39	34.77	PASS
N71	15	5	DFT-64QAM	H	Inner_1RB_Left	20.64	19.88	34.77	PASS
N71	15	5	DFT-64QAM	H	Inner_1RB_Right	20.78	20.02	34.77	PASS
N71	15	5	DFT-64QAM	H	Outer_Full	20.7	19.94	34.77	PASS
N71	15	5	DFT-256QAM	H	Inner_1RB_Left	18.74	17.98	34.77	PASS
N71	15	5	DFT-256QAM	H	Inner_1RB_Right	18.61	17.85	34.77	PASS
N71	15	5	DFT-256QAM	H	Outer_Full	18.77	18.01	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.27	22.51	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.25	22.49	34.77	PASS
N71	15	10	DFT-PI2BPSK	L	Outer_Full	22.23	21.47	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Left	23.25	22.49	34.77	PASS
N71	15	10	DFT-QPSK	L	Inner_1RB_Right	23.22	22.46	34.77	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	22.22	21.46	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Left	22.05	21.29	34.77	PASS
N71	15	10	DFT-16QAM	L	Inner_1RB_Right	21.99	21.23	34.77	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	21.2	20.44	34.77	PASS
N71	15	10	DFT-64QAM	L	Inner_1RB_Left	20.82	20.06	34.77	PASS
N71	15	10	DFT-64QAM	L	Inner_1RB_Right	20.84	20.08	34.77	PASS
N71	15	10	DFT-64QAM	L	Outer_Full	20.73	19.97	34.77	PASS
N71	15	10	DFT-256QAM	L	Inner_1RB_Left	18.73	17.97	34.77	PASS
N71	15	10	DFT-256QAM	L	Inner_1RB_Right	18.64	17.88	34.77	PASS
N71	15	10	DFT-256QAM	L	Outer_Full	18.7	17.94	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.02	22.26	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.12	22.36	34.77	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	22.12	21.36	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Left	23.06	22.3	34.77	PASS
N71	15	10	DFT-QPSK	M	Inner_1RB_Right	23.17	22.41	34.77	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	22.12	21.36	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Left	21.87	21.11	34.77	PASS
N71	15	10	DFT-16QAM	M	Inner_1RB_Right	21.97	21.21	34.77	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	21.11	20.35	34.77	PASS

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N71	15	10	DFT-64QAM	M	Inner_1RB_Left	20.65	19.89	34.77	PASS
N71	15	10	DFT-64QAM	M	Inner_1RB_Right	20.75	19.99	34.77	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	20.65	19.89	34.77	PASS
N71	15	10	DFT-256QAM	M	Inner_1RB_Left	18.59	17.83	34.77	PASS
N71	15	10	DFT-256QAM	M	Inner_1RB_Right	18.65	17.89	34.77	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	18.76	18	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.17	22.41	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.28	22.52	34.77	PASS
N71	15	10	DFT-PI2BPSK	H	Outer_Full	22.24	21.48	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Left	23.26	22.5	34.77	PASS
N71	15	10	DFT-QPSK	H	Inner_1RB_Right	23.33	22.57	34.77	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	22.3	21.54	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Left	21.8	21.04	34.77	PASS
N71	15	10	DFT-16QAM	H	Inner_1RB_Right	22.45	21.69	34.77	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	21.3	20.54	34.77	PASS
N71	15	10	DFT-64QAM	H	Inner_1RB_Left	20.56	19.8	34.77	PASS
N71	15	10	DFT-64QAM	H	Inner_1RB_Right	20.66	19.9	34.77	PASS
N71	15	10	DFT-64QAM	H	Outer_Full	20.75	19.99	34.77	PASS
N71	15	10	DFT-256QAM	H	Inner_1RB_Left	18.73	17.97	34.77	PASS
N71	15	10	DFT-256QAM	H	Inner_1RB_Right	18.76	18	34.77	PASS
N71	15	10	DFT-256QAM	H	Outer_Full	18.9	18.14	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.3	22.54	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.05	22.29	34.77	PASS
N71	15	15	DFT-PI2BPSK	L	Outer_Full	22.33	21.57	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Left	23.39	22.63	34.77	PASS
N71	15	15	DFT-QPSK	L	Inner_1RB_Right	23.19	22.43	34.77	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	22.32	21.56	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Left	22.49	21.73	34.77	PASS
N71	15	15	DFT-16QAM	L	Inner_1RB_Right	22.24	21.48	34.77	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	21.35	20.59	34.77	PASS
N71	15	15	DFT-64QAM	L	Inner_1RB_Left	20.63	19.87	34.77	PASS
N71	15	15	DFT-64QAM	L	Inner_1RB_Right	20.41	19.65	34.77	PASS
N71	15	15	DFT-64QAM	L	Outer_Full	20.84	20.08	34.77	PASS
N71	15	15	DFT-256QAM	L	Inner_1RB_Left	18.83	18.07	34.77	PASS
N71	15	15	DFT-256QAM	L	Inner_1RB_Right	18.69	17.93	34.77	PASS
N71	15	15	DFT-256QAM	L	Outer_Full	18.94	18.18	34.77	PASS
N71	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.2	22.44	34.77	PASS
N71	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.15	22.39	34.77	PASS

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N71	15	15	DFT-PI2BPSK	M	Outer_Full	22.19	21.43	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Left	23.36	22.6	34.77	PASS
N71	15	15	DFT-QPSK	M	Inner_1RB_Right	20.96	20.2	34.77	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	22.22	21.46	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Left	21.88	21.12	34.77	PASS
N71	15	15	DFT-16QAM	M	Inner_1RB_Right	21.68	20.92	34.77	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	21.22	20.46	34.77	PASS
N71	15	15	DFT-64QAM	M	Inner_1RB_Left	20.65	19.89	34.77	PASS
N71	15	15	DFT-64QAM	M	Inner_1RB_Right	20.42	19.66	34.77	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	20.71	19.95	34.77	PASS
N71	15	15	DFT-256QAM	M	Inner_1RB_Left	18.76	18	34.77	PASS
N71	15	15	DFT-256QAM	M	Inner_1RB_Right	18.66	17.9	34.77	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	18.83	18.07	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.11	22.35	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.24	22.48	34.77	PASS
N71	15	15	DFT-PI2BPSK	H	Outer_Full	22.24	21.48	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Left	23.22	22.46	34.77	PASS
N71	15	15	DFT-QPSK	H	Inner_1RB_Right	23.34	22.58	34.77	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	22.24	21.48	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Left	22.22	21.46	34.77	PASS
N71	15	15	DFT-16QAM	H	Inner_1RB_Right	21.85	21.09	34.77	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	21.29	20.53	34.77	PASS
N71	15	15	DFT-64QAM	H	Inner_1RB_Left	20.43	19.67	34.77	PASS
N71	15	15	DFT-64QAM	H	Inner_1RB_Right	20.62	19.86	34.77	PASS
N71	15	15	DFT-64QAM	H	Outer_Full	20.78	20.02	34.77	PASS
N71	15	15	DFT-256QAM	H	Inner_1RB_Left	18.73	17.97	34.77	PASS
N71	15	15	DFT-256QAM	H	Inner_1RB_Right	18.75	17.99	34.77	PASS
N71	15	15	DFT-256QAM	H	Outer_Full	18.9	18.14	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.26	22.5	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.09	22.33	34.77	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	22.25	21.49	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Left	23.31	22.55	34.77	PASS
N71	15	20	DFT-QPSK	L	Inner_1RB_Right	23.16	22.4	34.77	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	22.28	21.52	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Left	22.47	21.71	34.77	PASS
N71	15	20	DFT-16QAM	L	Inner_1RB_Right	21.78	21.02	34.77	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	21.31	20.55	34.77	PASS
N71	15	20	DFT-64QAM	L	Inner_1RB_Left	20.73	19.97	34.77	PASS

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N71	15	20	DFT-64QAM	L	Inner_1RB_Right	20.62	19.86	34.77	PASS
N71	15	20	DFT-64QAM	L	Outer_Full	20.79	20.03	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Left	18.71	17.95	34.77	PASS
N71	15	20	DFT-256QAM	L	Inner_1RB_Right	18.69	17.93	34.77	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	18.92	18.16	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.22	22.46	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.15	22.39	34.77	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	22.23	21.47	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Left	23.33	22.57	34.77	PASS
N71	15	20	DFT-QPSK	M	Inner_1RB_Right	23.22	22.46	34.77	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	22.19	21.43	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Left	21.86	21.1	34.77	PASS
N71	15	20	DFT-16QAM	M	Inner_1RB_Right	21.76	21	34.77	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	21.21	20.45	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Left	20.57	19.81	34.77	PASS
N71	15	20	DFT-64QAM	M	Inner_1RB_Right	20.4	19.64	34.77	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	20.78	20.02	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Left	18.81	18.05	34.77	PASS
N71	15	20	DFT-256QAM	M	Inner_1RB_Right	18.8	18.04	34.77	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	18.89	18.13	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.16	22.4	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.13	22.37	34.77	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	22.24	21.48	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Left	23.26	22.5	34.77	PASS
N71	15	20	DFT-QPSK	H	Inner_1RB_Right	23.22	22.46	34.77	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	22.22	21.46	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Left	21.8	21.04	34.77	PASS
N71	15	20	DFT-16QAM	H	Inner_1RB_Right	21.75	20.99	34.77	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	21.23	20.47	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Left	20.55	19.79	34.77	PASS
N71	15	20	DFT-64QAM	H	Inner_1RB_Right	20.46	19.7	34.77	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	20.73	19.97	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Left	18.77	18.01	34.77	PASS
N71	15	20	DFT-256QAM	H	Inner_1RB_Right	18.83	18.07	34.77	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	18.87	18.11	34.77	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
N71	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	12.01	≤13	PASS
N71	15	20	CP-256QAM	L	Outer_Full	100%	0.00	11.79	≤13	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	11.19	≤13	PASS
N71	15	20	CP-256QAM	M	Outer_Full	100%	0.00	11.88	≤13	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	11.49	≤13	PASS
N71	15	20	CP-256QAM	H	Outer_Full	100%	0.00	11.69	≤13	PASS

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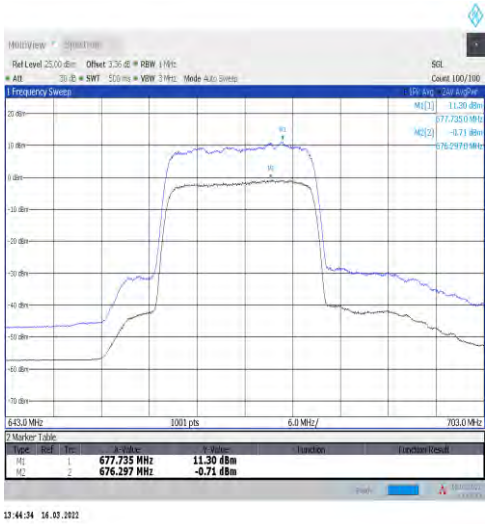
Test Graphs



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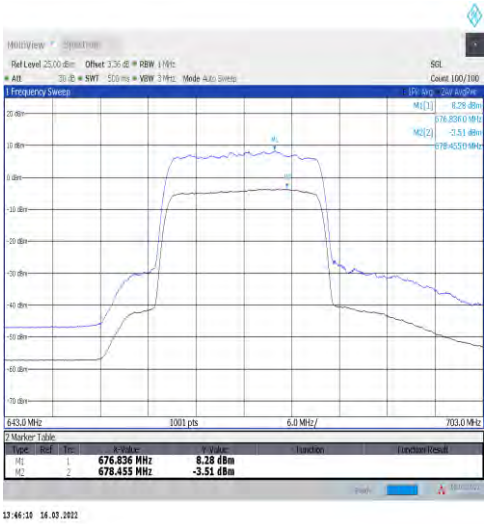

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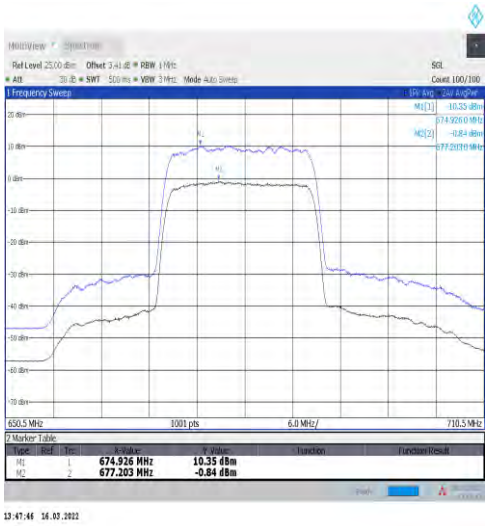

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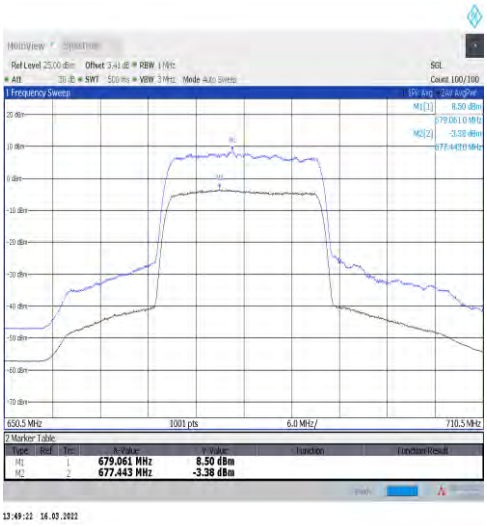

1-N71-15-20-M-2-CP-256QAM-Outer_Full-106@0-Ant1-11.88-100%-0.00-11.88-PASS-≤13

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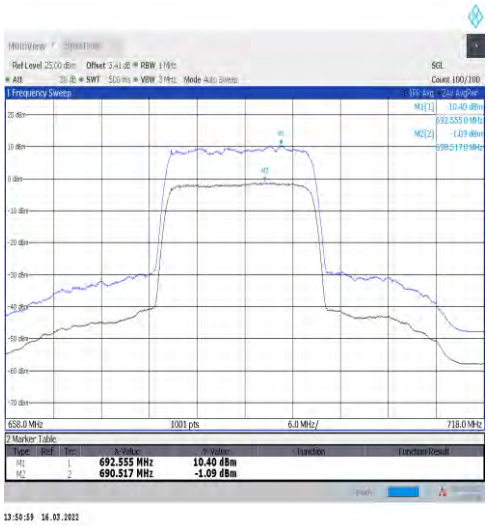	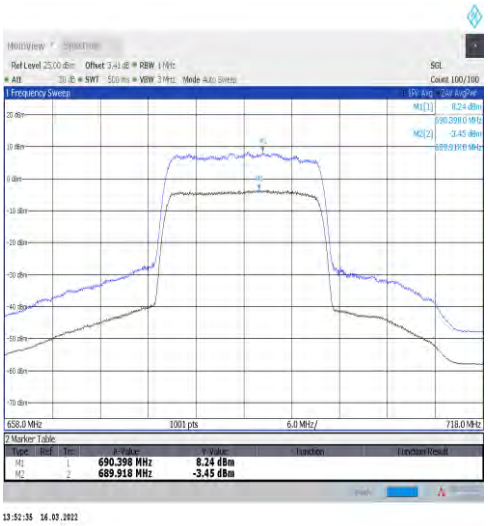
1-N71-15-20-H-1-DFT-256QAM-Outer_Full-100@0-Ant1-11.49-100%-0.00-11.49-PASS-≤13	1-N71-15-20-H-2-CP-256QAM-Outer_Full-106@0-Ant1-11.69-100%-0.00-11.69-PASS-≤13

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Modulation characteristics for SA

Test Result

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

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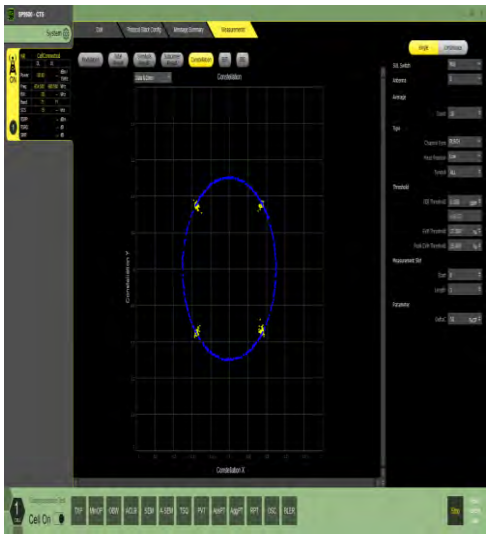
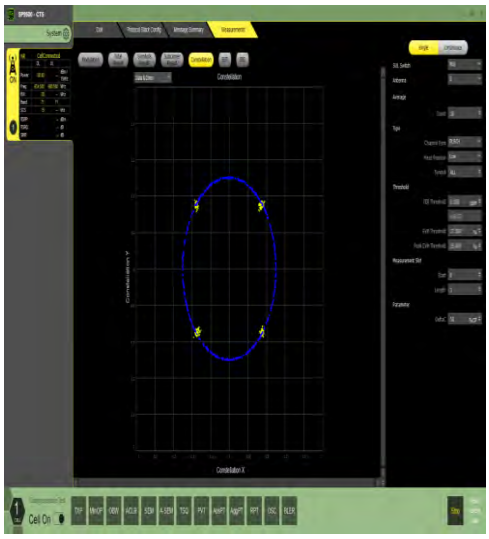
Test Graphs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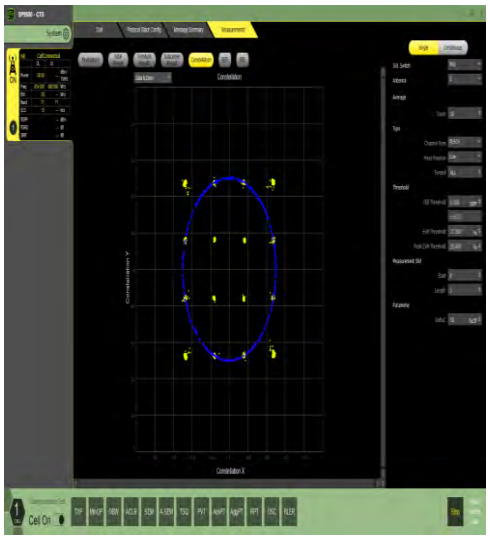	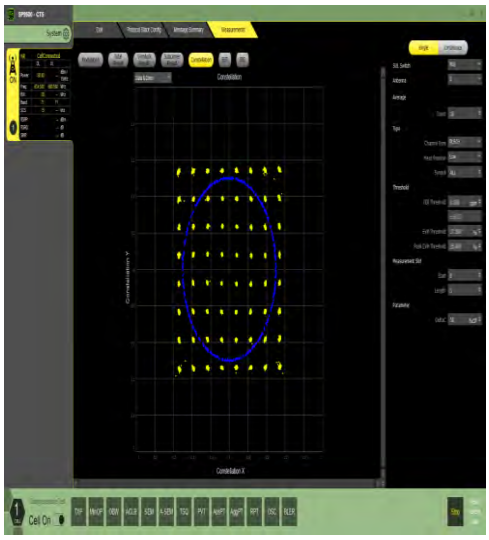
1-N71-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant1-see graph-PASS	1-N71-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-see graph-PASS

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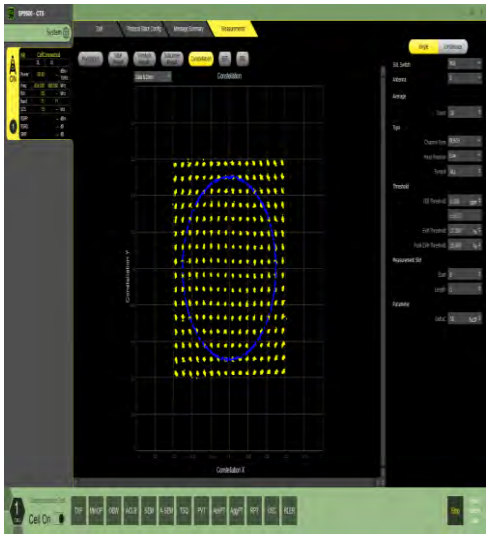
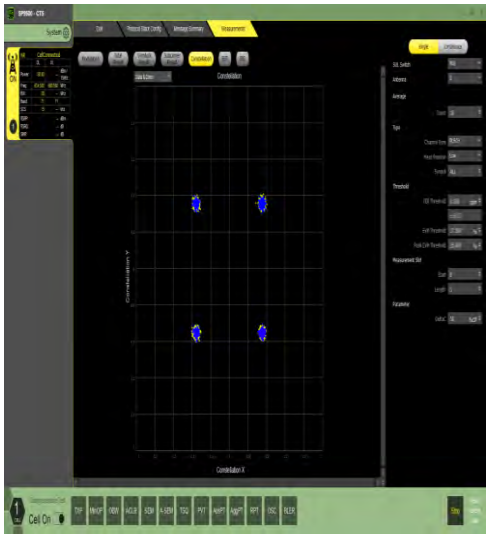
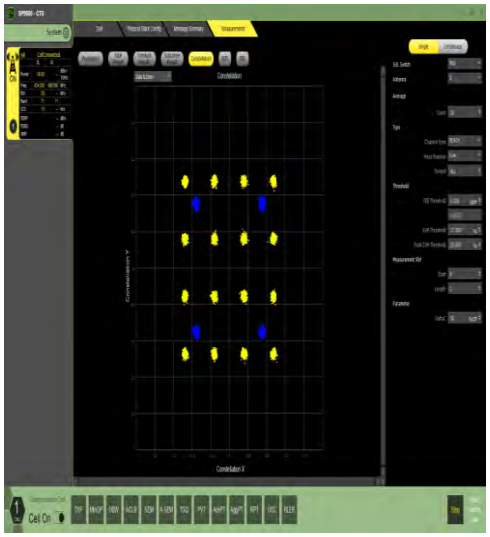
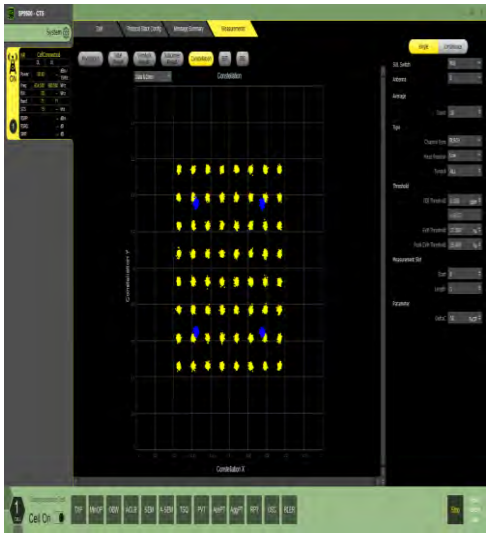
	
1-N71-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-see graph-PASS	1-N71-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-see graph-PASS
	
1-N71-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-see graph-PASS	1-N71-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS

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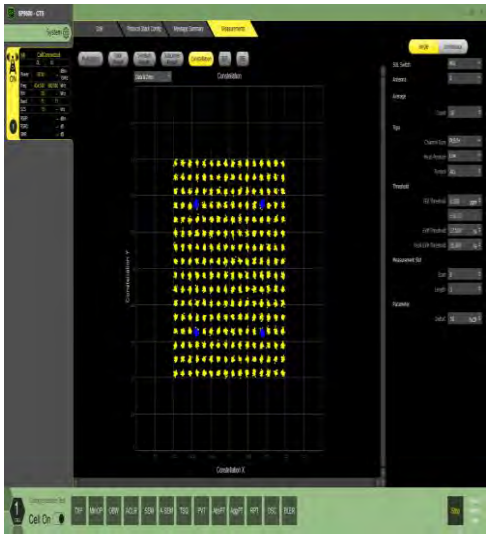	
1-N71-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant1-see graph-PASS	

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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	4.496	5.080	PASS
N71	15	5	DFT-PI2BPSK	L	Outer_Full	4.464	4.970	PASS
N71	15	5	DFT-16QAM	L	Outer_Full	4.456	5.050	PASS
N71	15	5	DFT-64QAM	L	Outer_Full	4.484	5.050	PASS
N71	15	5	DFT-256QAM	L	Outer_Full	4.493	5.020	PASS
N71	15	5	CP-QPSK	L	Outer_Full	4.474	5.100	PASS
N71	15	5	CP-16QAM	L	Outer_Full	4.472	5.020	PASS
N71	15	5	CP-64QAM	L	Outer_Full	4.462	5.120	PASS
N71	15	5	CP-256QAM	L	Outer_Full	4.468	5.100	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	4.48	5.010	PASS
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.476	5.000	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.475	5.110	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.481	5.030	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.48	5.030	PASS
N71	15	5	CP-QPSK	M	Outer_Full	4.48	5.180	PASS
N71	15	5	CP-16QAM	M	Outer_Full	4.481	5.020	PASS
N71	15	5	CP-64QAM	M	Outer_Full	4.471	5.080	PASS
N71	15	5	CP-256QAM	M	Outer_Full	4.47	5.040	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	4.482	5.050	PASS
N71	15	5	DFT-PI2BPSK	H	Outer_Full	4.48	5.100	PASS
N71	15	5	DFT-16QAM	H	Outer_Full	4.463	5.010	PASS
N71	15	5	DFT-64QAM	H	Outer_Full	4.479	5.040	PASS
N71	15	5	DFT-256QAM	H	Outer_Full	4.472	5.010	PASS
N71	15	5	CP-QPSK	H	Outer_Full	4.472	5.090	PASS
N71	15	5	CP-16QAM	H	Outer_Full	4.474	5.140	PASS
N71	15	5	CP-64QAM	H	Outer_Full	4.467	5.140	PASS
N71	15	5	CP-256QAM	H	Outer_Full	4.471	5.030	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	8.919	9.660	PASS
N71	15	10	DFT-PI2BPSK	L	Outer_Full	8.901	9.540	PASS
N71	15	10	DFT-16QAM	L	Outer_Full	8.916	9.560	PASS
N71	15	10	DFT-64QAM	L	Outer_Full	8.92	9.600	PASS
N71	15	10	DFT-256QAM	L	Outer_Full	8.907	9.600	PASS

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N71	15	10	CP-QPSK	L	Outer_Full	9.284	10.140	PASS
N71	15	10	CP-16QAM	L	Outer_Full	9.271	10.060	PASS
N71	15	10	CP-64QAM	L	Outer_Full	9.3	10.080	PASS
N71	15	10	CP-256QAM	L	Outer_Full	9.288	10.060	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.914	9.640	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.906	9.660	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.941	9.640	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.927	9.640	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.909	9.580	PASS
N71	15	10	CP-QPSK	M	Outer_Full	9.287	10.080	PASS
N71	15	10	CP-16QAM	M	Outer_Full	9.273	10.040	PASS
N71	15	10	CP-64QAM	M	Outer_Full	9.298	10.060	PASS
N71	15	10	CP-256QAM	M	Outer_Full	9.286	10.020	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	8.916	9.580	PASS
N71	15	10	DFT-PI2BPSK	H	Outer_Full	8.9	9.660	PASS
N71	15	10	DFT-16QAM	H	Outer_Full	8.934	9.680	PASS
N71	15	10	DFT-64QAM	H	Outer_Full	8.927	9.660	PASS
N71	15	10	DFT-256QAM	H	Outer_Full	8.899	9.540	PASS
N71	15	10	CP-QPSK	H	Outer_Full	9.28	10.020	PASS
N71	15	10	CP-16QAM	H	Outer_Full	9.274	10.100	PASS
N71	15	10	CP-64QAM	H	Outer_Full	9.284	10.080	PASS
N71	15	10	CP-256QAM	H	Outer_Full	9.274	10.000	PASS
N71	15	15	DFT-QPSK	L	Outer_Full	13.455	14.460	PASS
N71	15	15	DFT-PI2BPSK	L	Outer_Full	13.396	14.460	PASS
N71	15	15	DFT-16QAM	L	Outer_Full	13.426	14.520	PASS
N71	15	15	DFT-64QAM	L	Outer_Full	13.405	14.400	PASS
N71	15	15	DFT-256QAM	L	Outer_Full	13.447	14.490	PASS
N71	15	15	CP-QPSK	L	Outer_Full	14.113	15.150	PASS
N71	15	15	CP-16QAM	L	Outer_Full	14.081	15.210	PASS
N71	15	15	CP-64QAM	L	Outer_Full	14.081	15.150	PASS
N71	15	15	CP-256QAM	L	Outer_Full	14.096	15.240	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.432	14.430	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.392	14.400	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.406	14.340	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.414	14.490	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.45	14.490	PASS
N71	15	15	CP-QPSK	M	Outer_Full	14.111	15.210	PASS
N71	15	15	CP-16QAM	M	Outer_Full	14.063	15.180	PASS

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N71	15	15	CP-64QAM	M	Outer_Full	14.063	15.090	PASS
N71	15	15	CP-256QAM	M	Outer_Full	14.101	15.120	PASS
N71	15	15	DFT-QPSK	H	Outer_Full	13.409	14.280	PASS
N71	15	15	DFT-PI2BPSK	H	Outer_Full	13.393	14.430	PASS
N71	15	15	DFT-16QAM	H	Outer_Full	13.4	14.400	PASS
N71	15	15	DFT-64QAM	H	Outer_Full	13.388	14.340	PASS
N71	15	15	DFT-256QAM	H	Outer_Full	13.429	14.520	PASS
N71	15	15	CP-QPSK	H	Outer_Full	14.096	15.150	PASS
N71	15	15	CP-16QAM	H	Outer_Full	14.048	15.180	PASS
N71	15	15	CP-64QAM	H	Outer_Full	14.068	15.120	PASS
N71	15	15	CP-256QAM	H	Outer_Full	14.081	15.210	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	17.78	18.800	PASS
N71	15	20	DFT-PI2BPSK	L	Outer_Full	17.791	18.880	PASS
N71	15	20	DFT-16QAM	L	Outer_Full	17.793	18.800	PASS
N71	15	20	DFT-64QAM	L	Outer_Full	17.79	18.800	PASS
N71	15	20	DFT-256QAM	L	Outer_Full	17.775	18.920	PASS
N71	15	20	CP-QPSK	L	Outer_Full	18.805	20.040	PASS
N71	15	20	CP-16QAM	L	Outer_Full	18.839	19.920	PASS
N71	15	20	CP-64QAM	L	Outer_Full	18.82	20.040	PASS
N71	15	20	CP-256QAM	L	Outer_Full	18.843	19.880	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.781	18.880	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.823	18.920	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.816	18.880	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	17.823	18.840	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	17.794	18.920	PASS
N71	15	20	CP-QPSK	M	Outer_Full	18.857	20.000	PASS
N71	15	20	CP-16QAM	M	Outer_Full	18.863	19.960	PASS
N71	15	20	CP-64QAM	M	Outer_Full	18.846	20.040	PASS
N71	15	20	CP-256QAM	M	Outer_Full	18.877	20.000	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	17.811	19.000	PASS
N71	15	20	DFT-PI2BPSK	H	Outer_Full	17.857	19.000	PASS
N71	15	20	DFT-16QAM	H	Outer_Full	17.826	18.880	PASS
N71	15	20	DFT-64QAM	H	Outer_Full	17.836	18.840	PASS
N71	15	20	DFT-256QAM	H	Outer_Full	17.791	18.880	PASS
N71	15	20	CP-QPSK	H	Outer_Full	18.835	20.000	PASS
N71	15	20	CP-16QAM	H	Outer_Full	18.883	19.960	PASS
N71	15	20	CP-64QAM	H	Outer_Full	18.85	20.080	PASS
N71	15	20	CP-256QAM	H	Outer_Full	18.885	19.920	PASS

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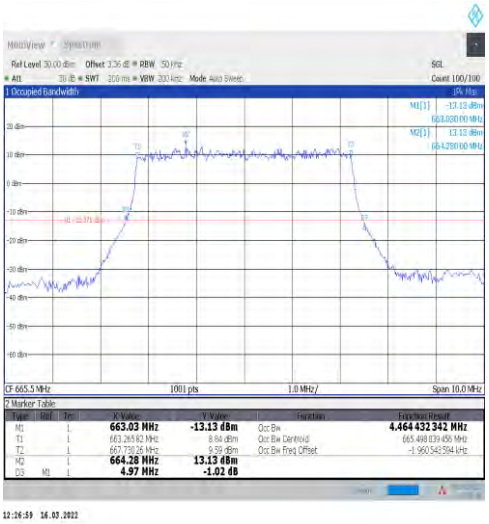
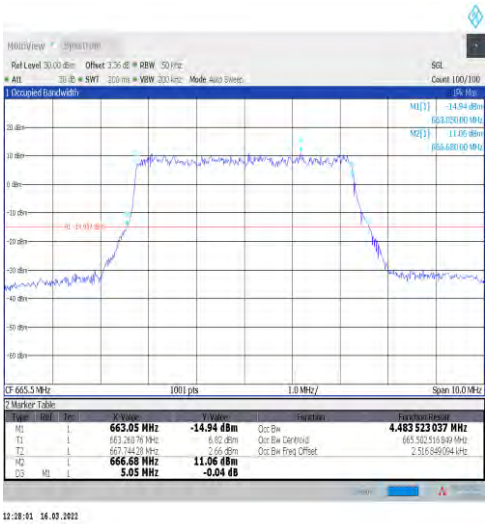
Test Graphs

1-N71-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.496-5.080-≤5-PASS



1-N71-15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.464-4.970-≤5-PASS

1-N71-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.456-5.050-≤5-PASS



1-N71-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.484-5.050-≤5-PASS

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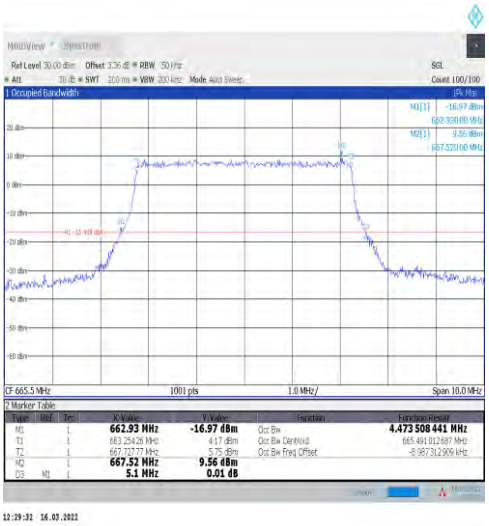
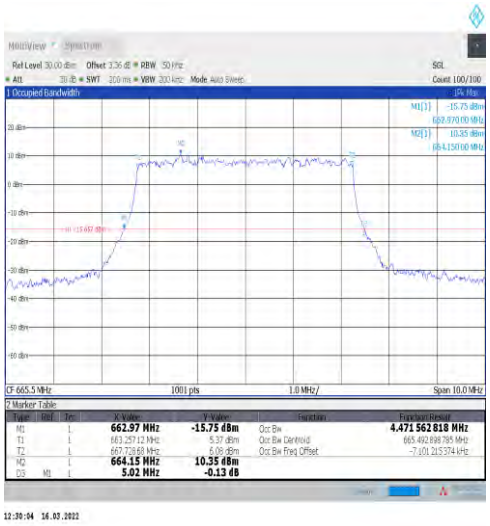
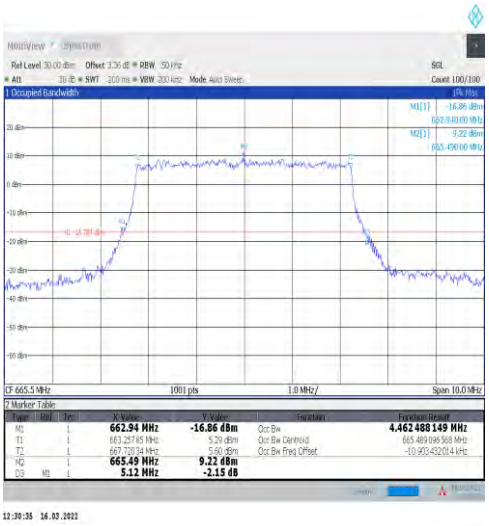
1-N71-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.493-5.020-≤5-PASS



1-N71-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.474-5.100-≤5-PASS



1-N71-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.472-5.020-≤5-PASS



1-N71-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.462-5.120-≤5-PASS

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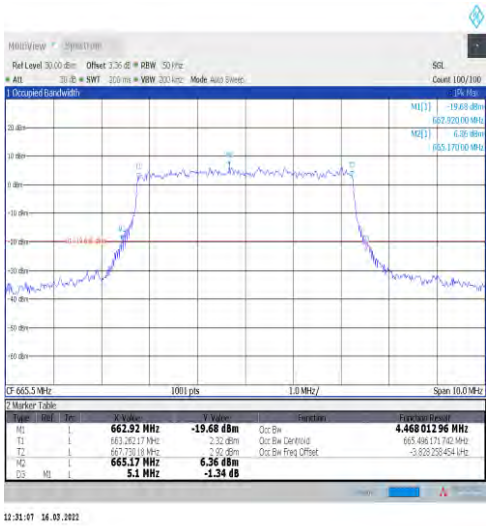
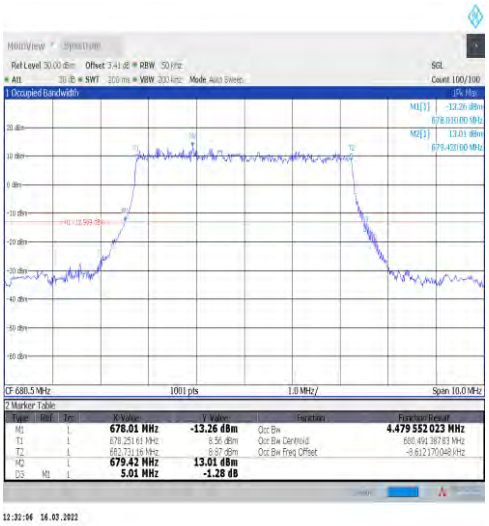
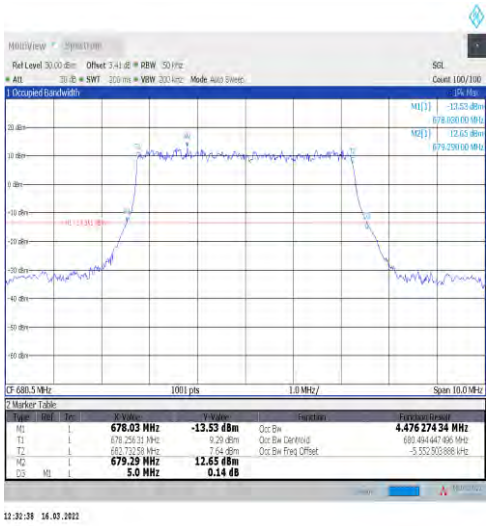


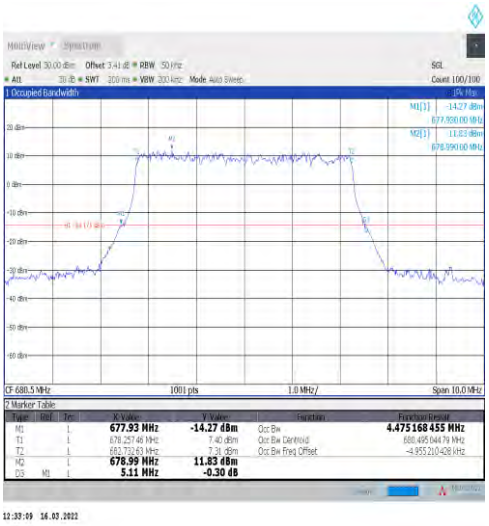
1-N71-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.468-5.100-≤5-PASS



1-N71-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.48-5.010-≤5-PASS



1-N71-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.476-5.000-≤5-PASS



1-N71-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.475-5.110-≤5-PASS

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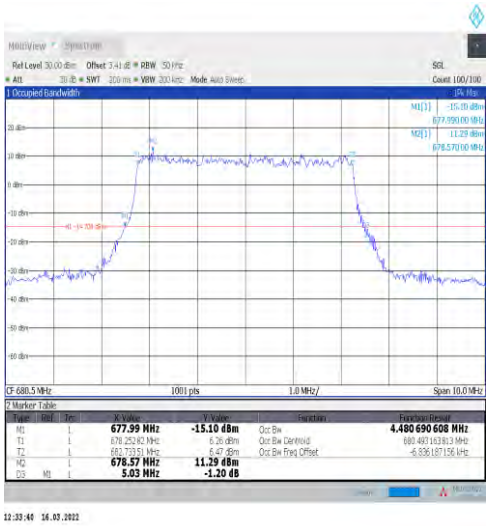

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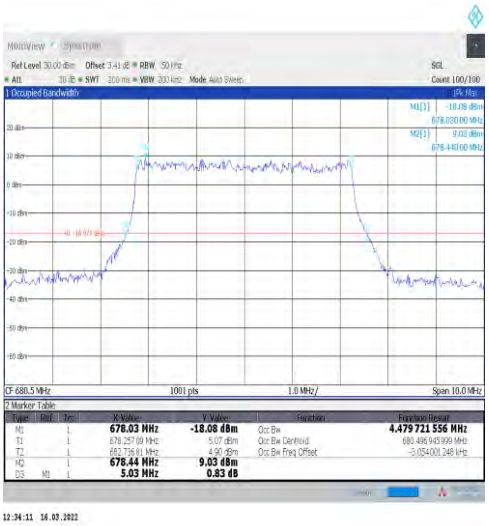

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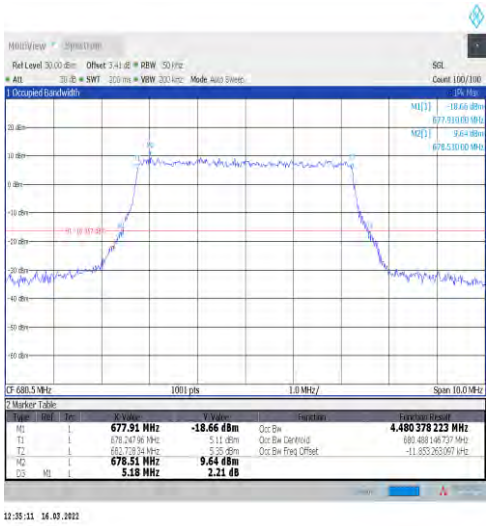

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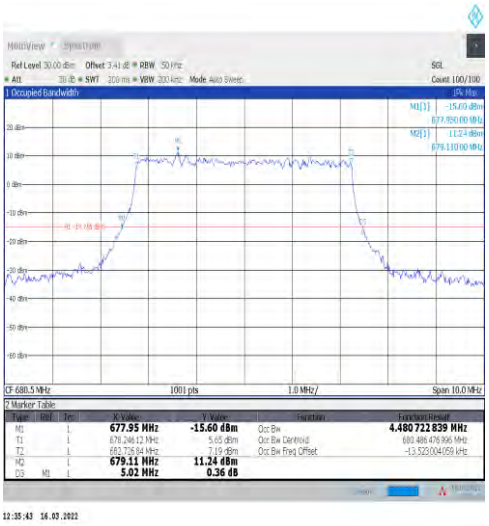

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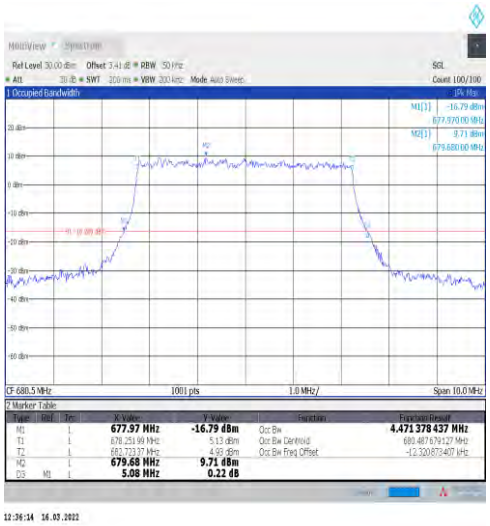

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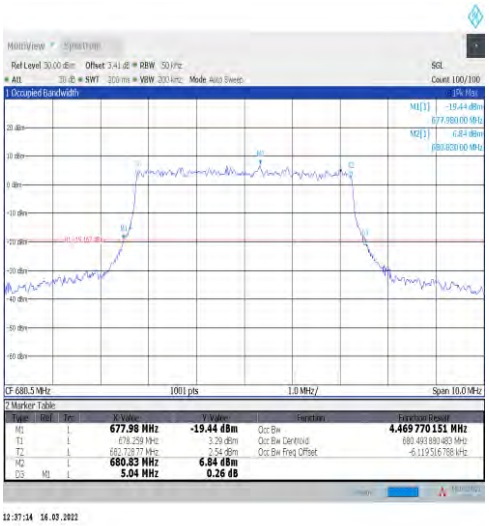
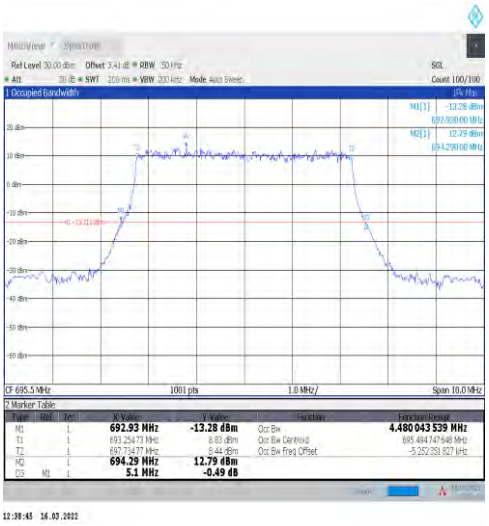


1-N71-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.47-5.040-≤5-PASS

1-N71-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.482-5.050-≤5-PASS



1-N71-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.48-5.100-≤5-PASS

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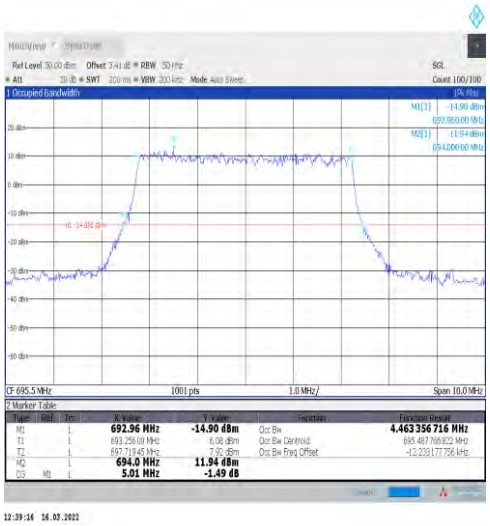

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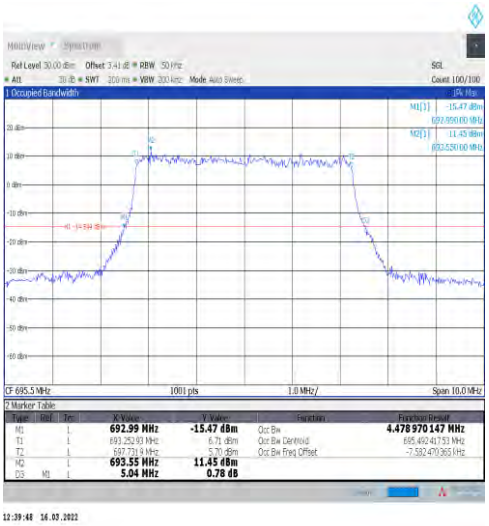

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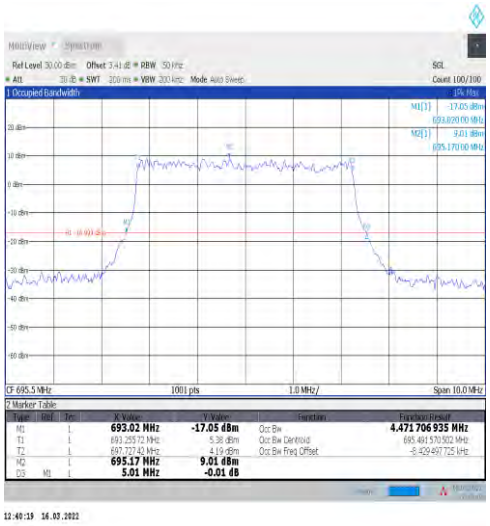

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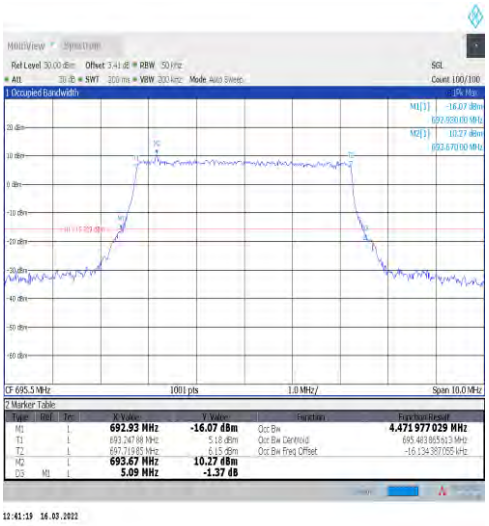

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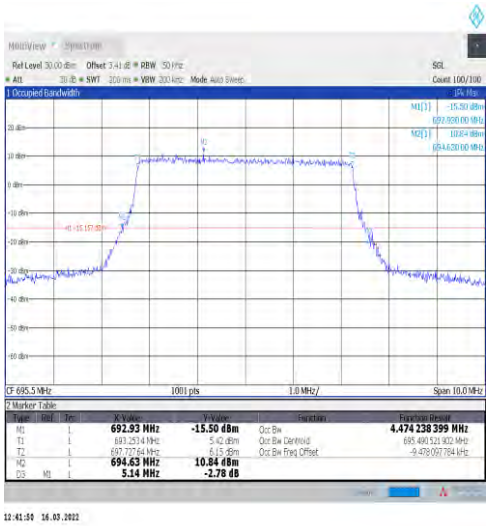

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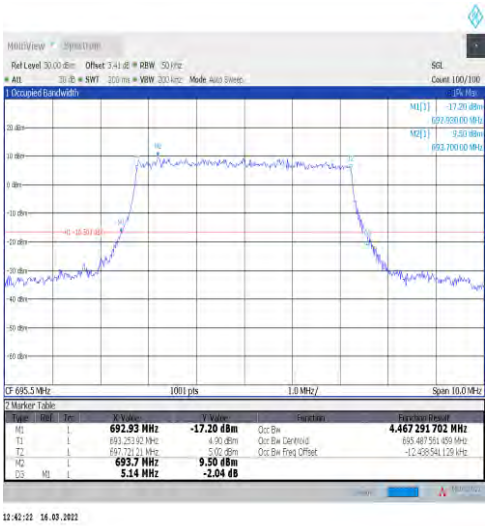

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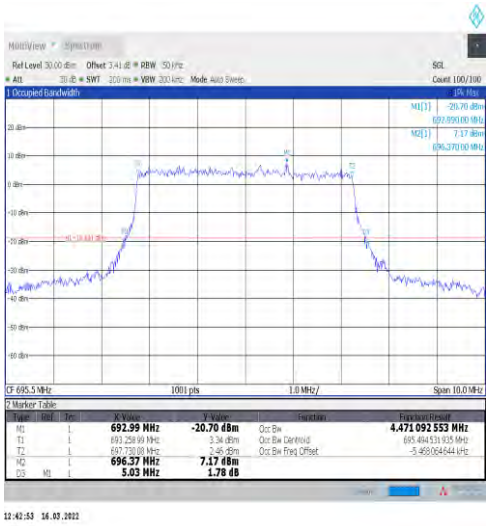

1-N71-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.471-5.030-≤5-PASS

1-N71-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.919-9.660-≤10-PASS

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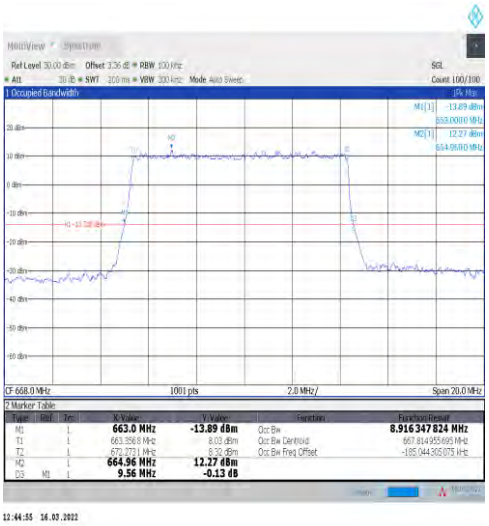

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1-N71-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.92-9.600-≤10-PASS

1-N71-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.907-9.600-≤10-PASS

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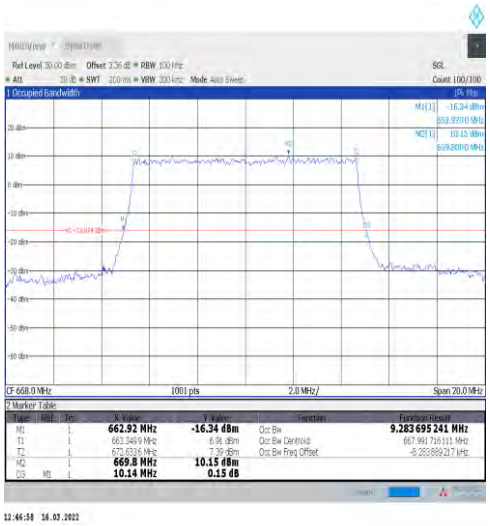

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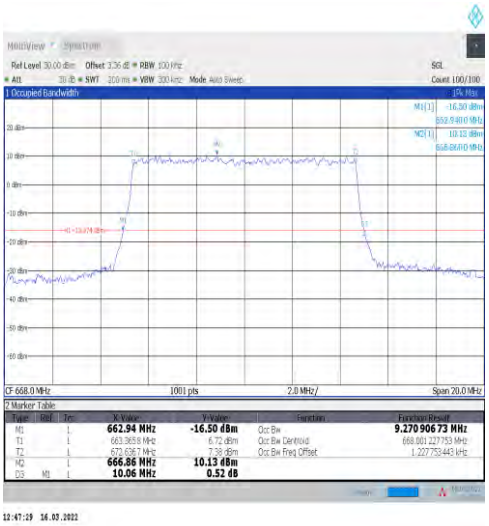

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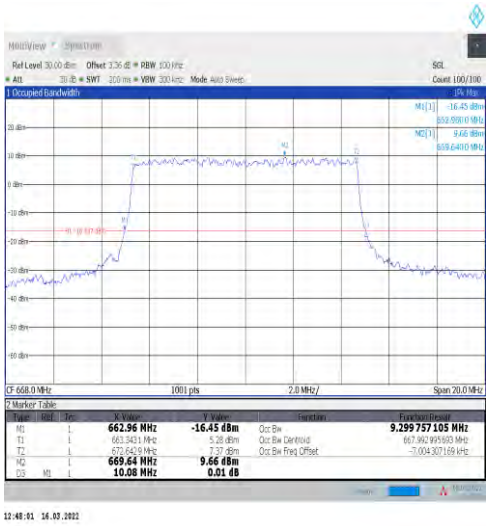

1-N71-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.3-10.080-≤10-PASS

1-N71-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.288-10.060-≤10-PASS

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1-N71-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.914-9.640-≤10-PASS

1-N71-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.906-9.660-≤10-PASS

1-N71-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.941-9.640-≤10-PASS

1-N71-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.927-9.640-≤10-PASS

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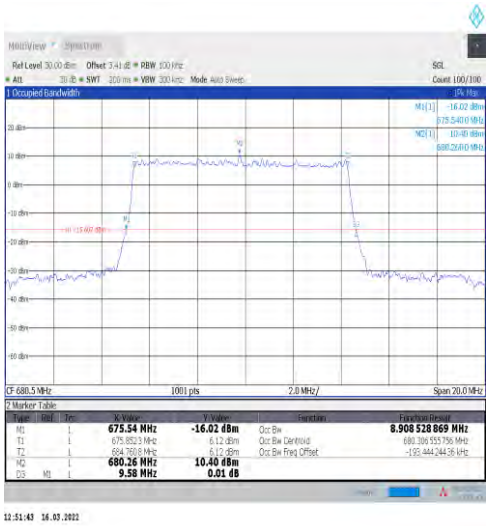

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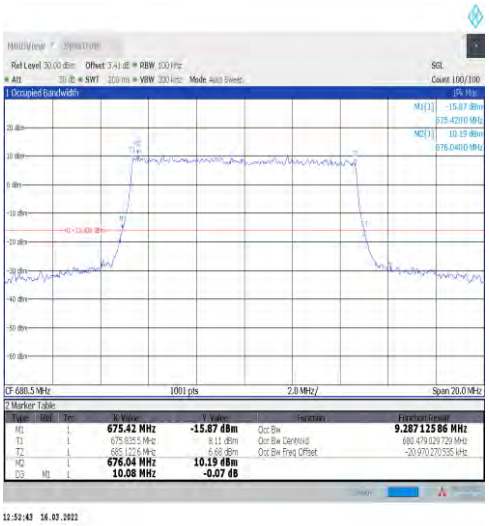
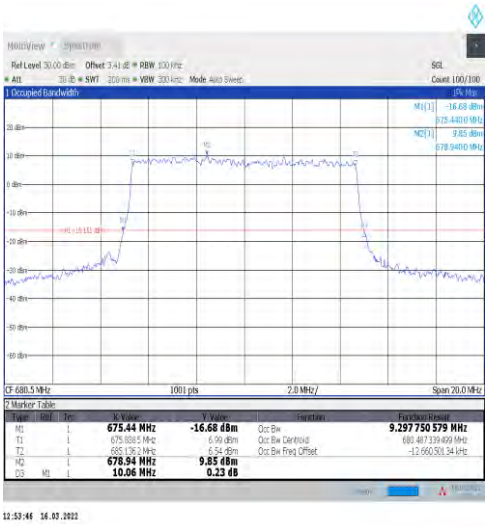


1-N71-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.287-10.080-≤10-PASS

1-N71-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.273-10.040-≤10-PASS



1-N71-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.298-10.060-≤10-PASS

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1-N71-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-9.286-10.020-≤10-PASS

1-N71-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.916-9.580-≤10-PASS

1-N71-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.9-9.660-≤10-PASS

1-N71-15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.934-9.680-≤10-PASS

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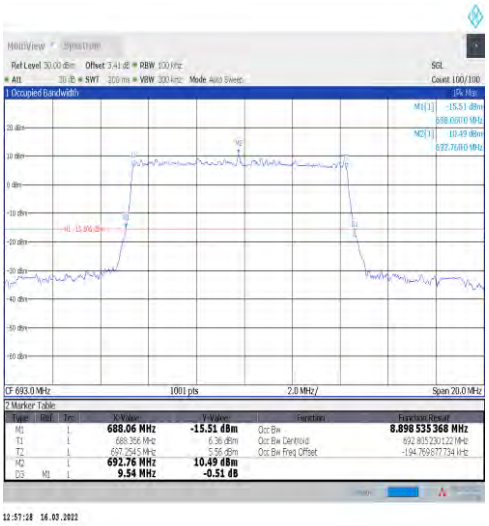
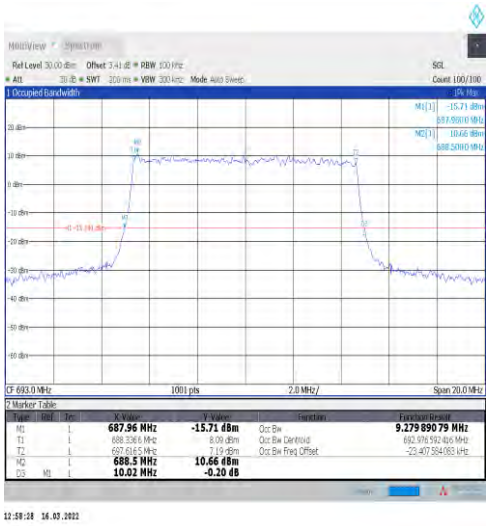
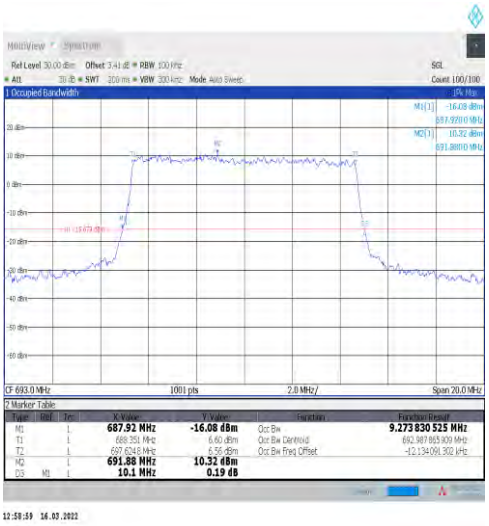
1-N71-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.927-9.660-≤10-PASS



1-N71-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.899-9.540-≤10-PASS



1-N71-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.28-10.020-≤10-PASS



1-N71-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.274-10.100-≤10-PASS

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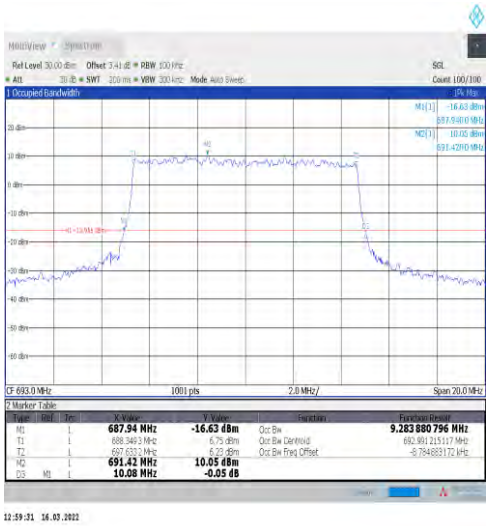
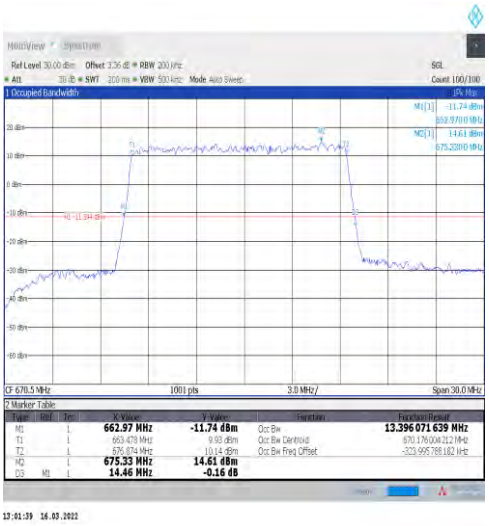


1-N71-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.284-10.080-≤10-PASS

1-N71-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.274-10.000-≤10-PASS

1-N71-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.455-14.460-≤15-PASS



1-N71-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.396-14.460-≤15-PASS

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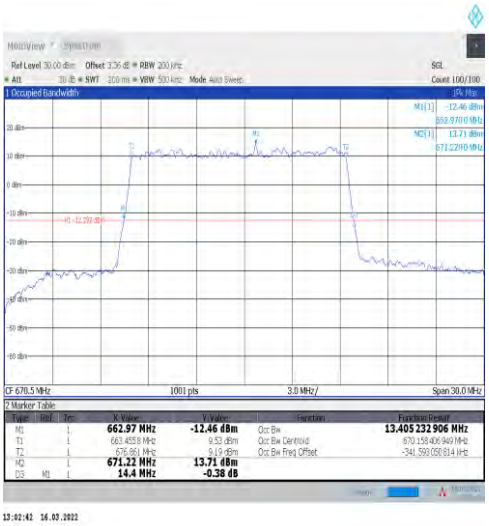
1-N71-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.426-14.520-≤15-PASS



1-N71-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.405-14.400-≤15-PASS

1-N71-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.447-14.490-≤15-PASS

1-N71-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.113-15.150-≤15-PASS

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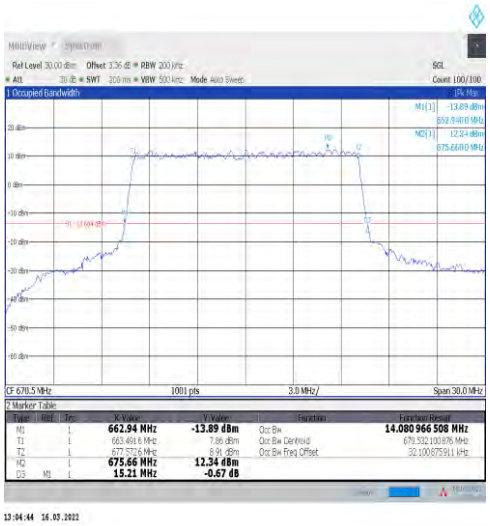

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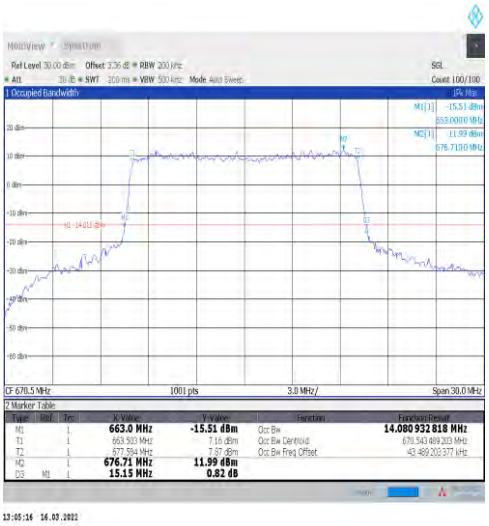

1-N71-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.081-15.150-≤15-PASS

1-N71-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.096-15.240-≤15-PASS

1-N71-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.432-14.430-≤15-PASS

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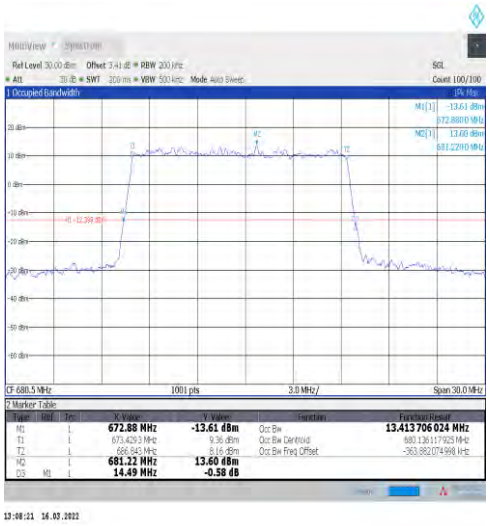
1-N71-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.392-14.400-≤15-PASS

1-N71-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.406-14.340-≤15-PASS



1-N71-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.414-14.490-≤15-PASS

1-N71-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.45-14.490-≤15-PASS

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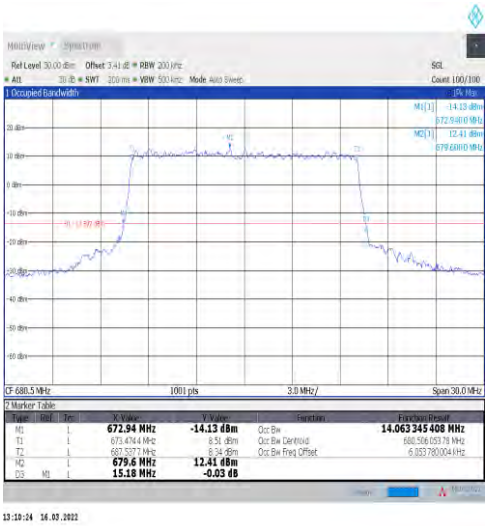
1-N71-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.111-15.210-≤15-PASS



1-N71-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.063-15.180-≤15-PASS

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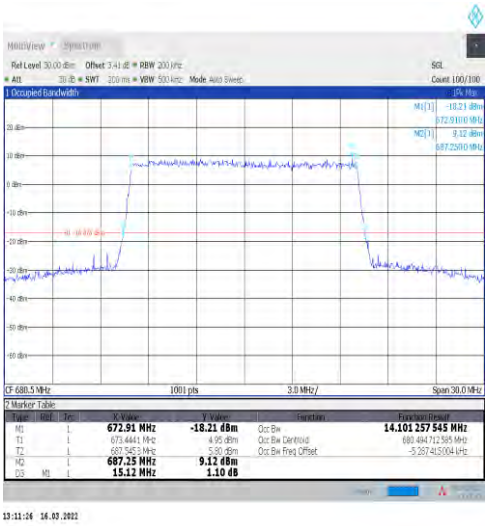

1-N71-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.101-15.120-≤15-PASS

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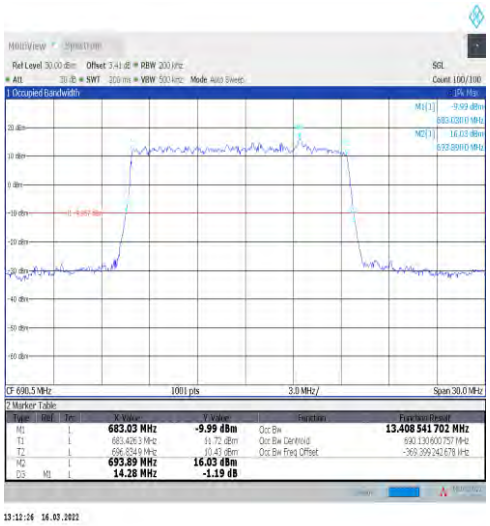

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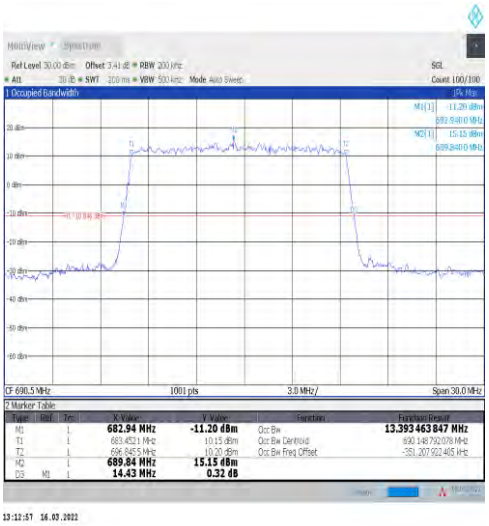

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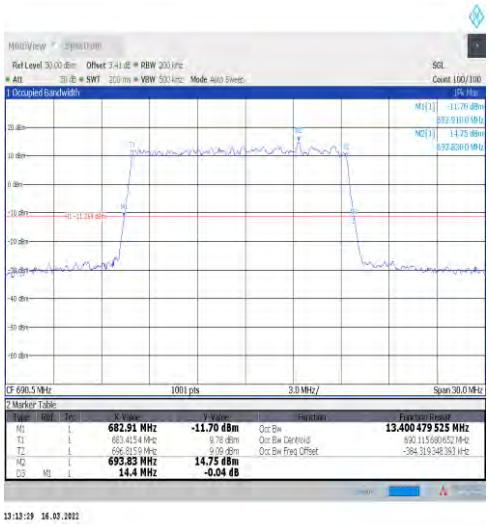

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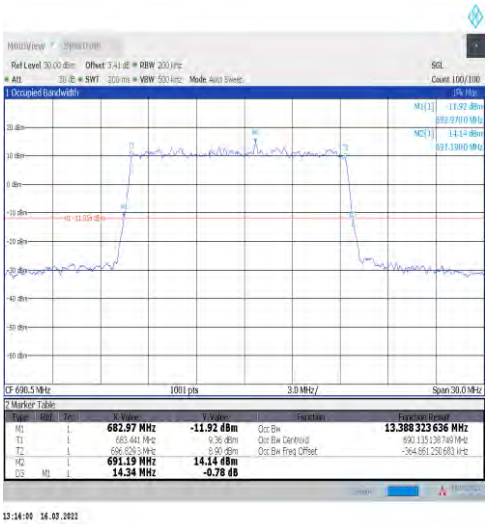

1-N71-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.388-14.340-≤15-PASS

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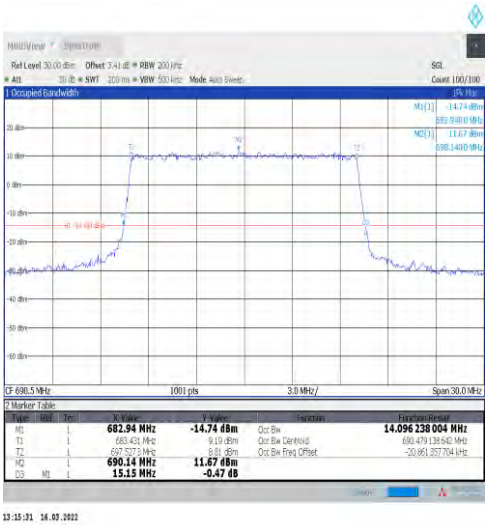
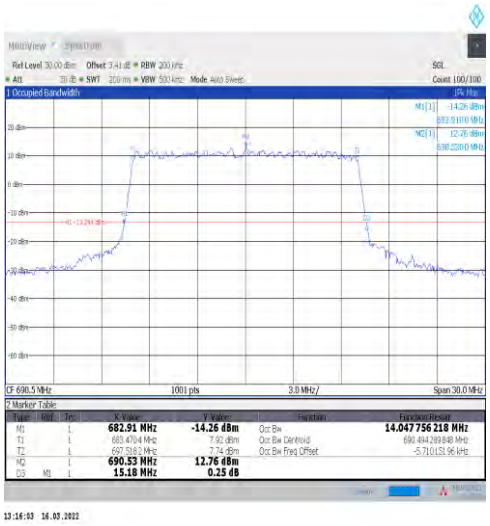
1-N71-15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.429-14.520-≤15-PASS



1-N71-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-14.096-15.150-≤15-PASS



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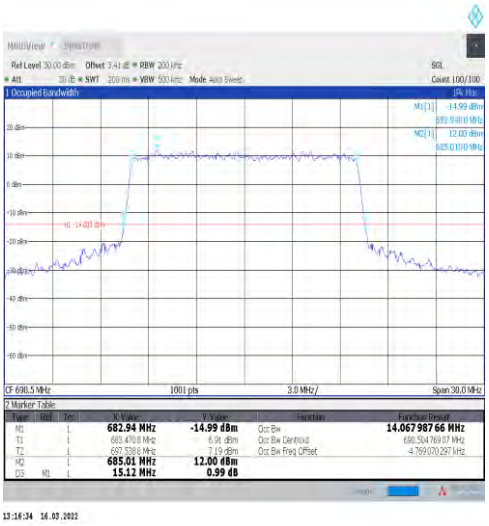

1-N71-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.068-15.120-≤15-PASS

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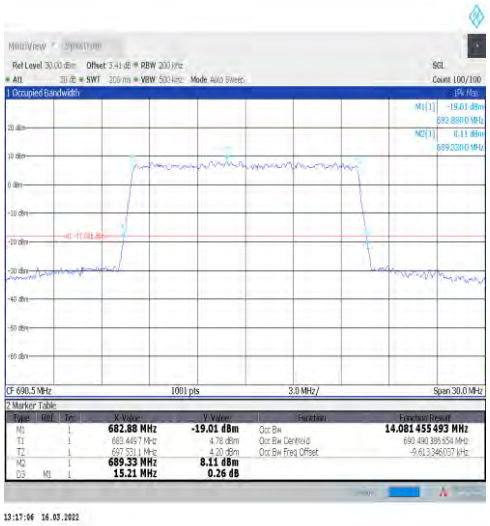

1-N71-15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant1-14.081-15.210-≤15-PASS

1-N71-15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.78-18.800-≤20-PASS

1-N71-15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.791-18.880-≤20-PASS

1-N71-15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.793-18.800-≤20-PASS

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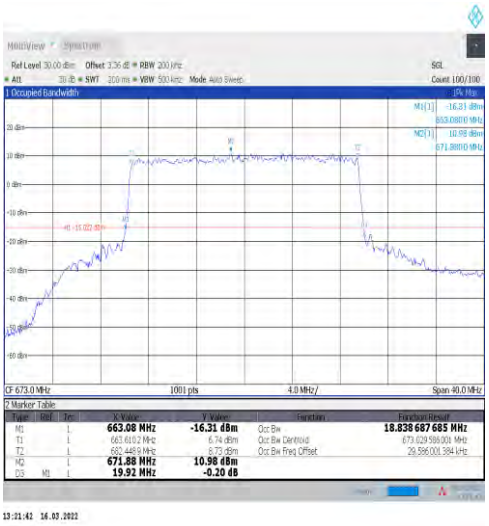
1-N71-15-20-L-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.79-18.800-≤20-PASS

1-N71-15-20-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.775-18.920-≤20-PASS

1-N71-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-18.805-20.040-≤20-PASS



1-N71-15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1-18.839-19.920-≤20-PASS

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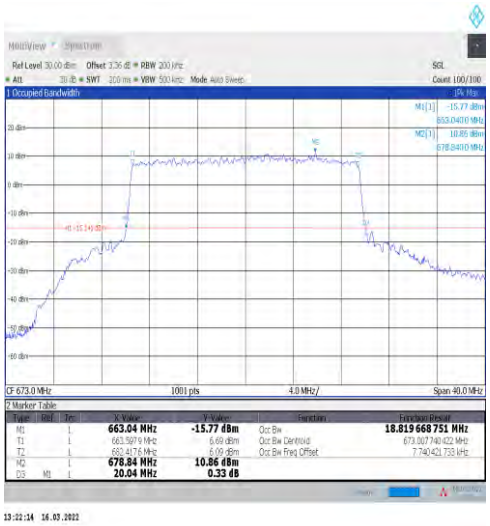

1-N71-15-20-L-8-CP-64QAM-Outer_Full-106@0-Ant1-18.82-20.040-≤20-PASS

1-N71-15-20-L-9-CP-256QAM-Outer_Full-106@0-Ant1-18.843-19.880-≤20-PASS

1-N71-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.781-18.880-≤20-PASS

1-N71-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.823-18.920-≤20-PASS

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1-N71-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.816-18.880-≤20-PASS

1-N71-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.823-18.840-≤20-PASS

1-N71-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.794-18.920-≤20-PASS

1-N71-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-18.857-20.000-≤20-PASS

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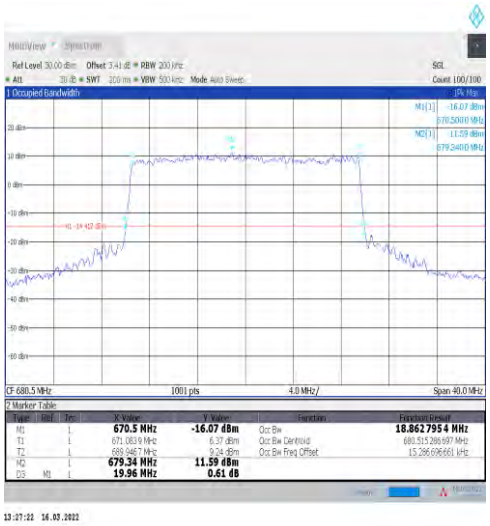

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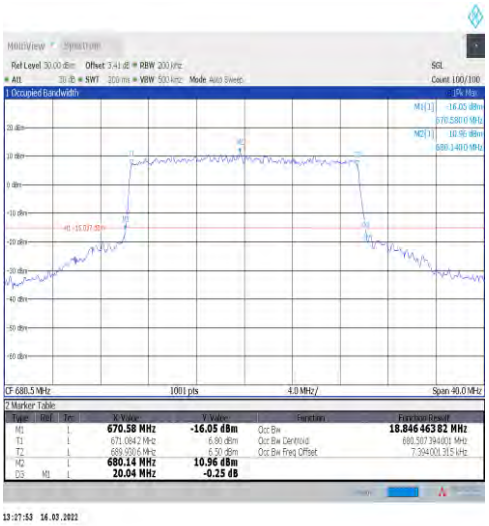

1-N71-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-18.846-20.040-≤20-PASS

1-N71-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant1-18.877-20.000-≤20-PASS

1-N71-15-20-H-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.811-19.000-≤20-PASS

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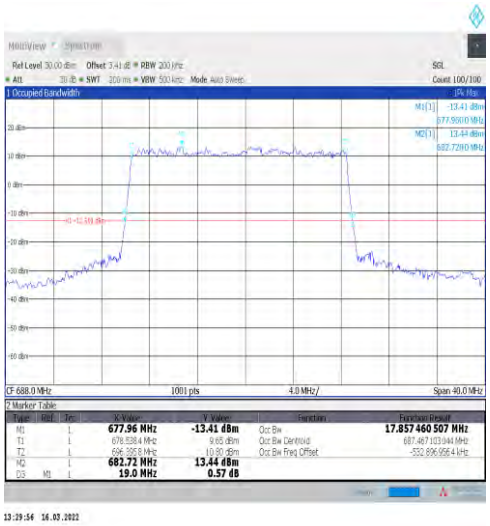

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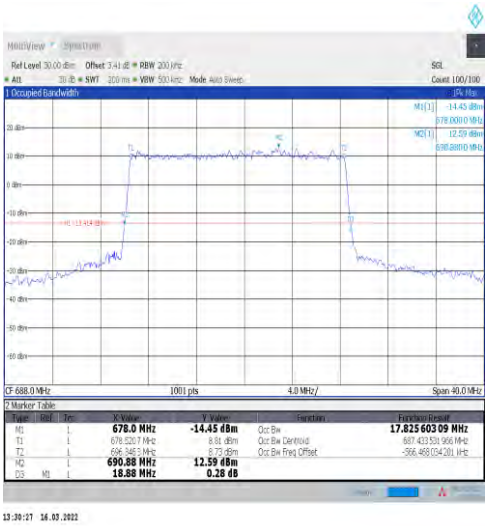

1-N71-15-20-H-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.826-18.880-≤20-PASS

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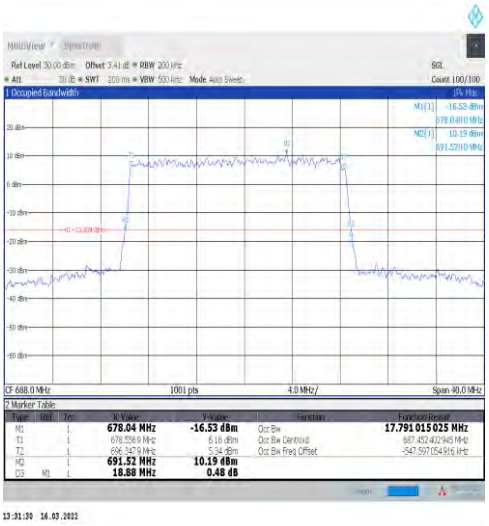

1-N71-15-20-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.791-18.880-≤20-PASS

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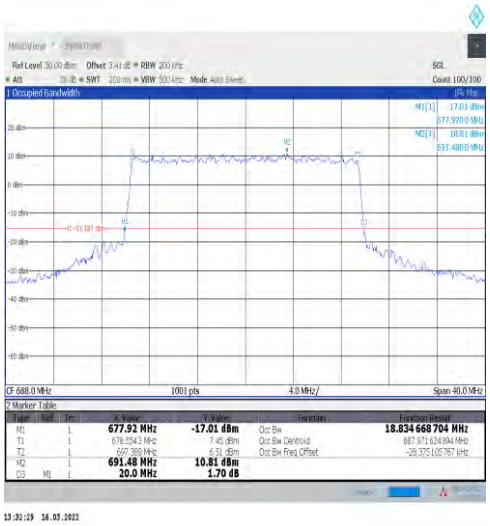

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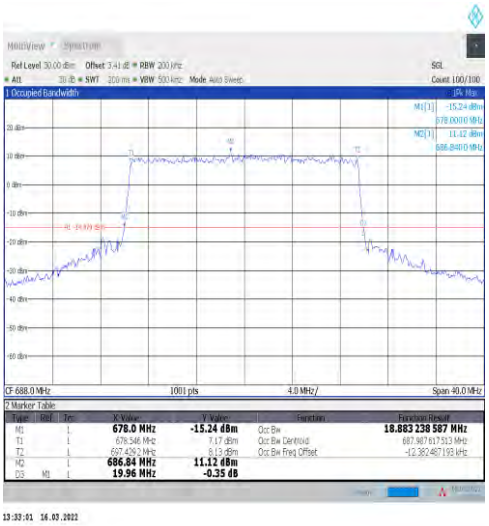

1-N71-15-20-H-7-CP-16QAM-Outer_Full-106@0-Ant1-18.883-19.960-≤20-PASS

1-N71-15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant1-18.85-20.080-≤20-PASS

1-N71-15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant1-18.885-19.920-≤20-PASS

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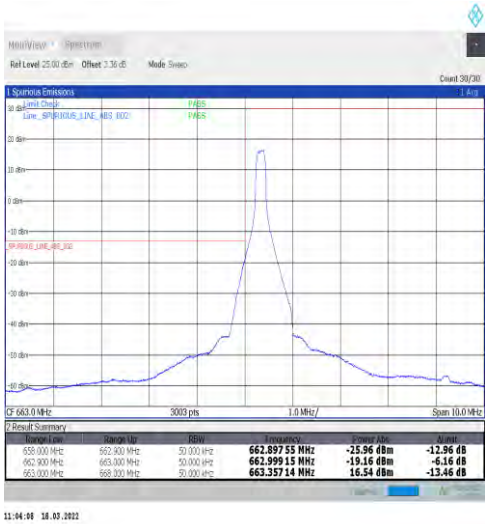
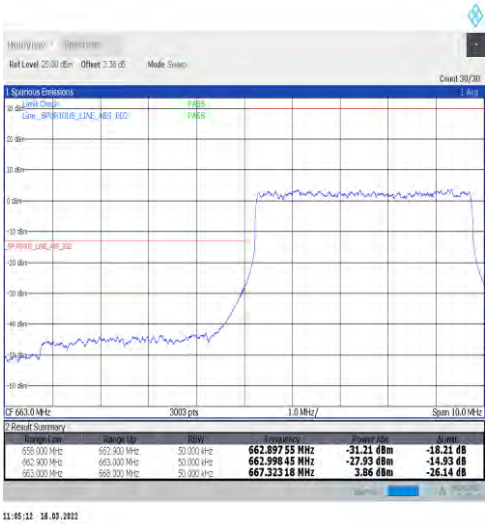
Test Graphs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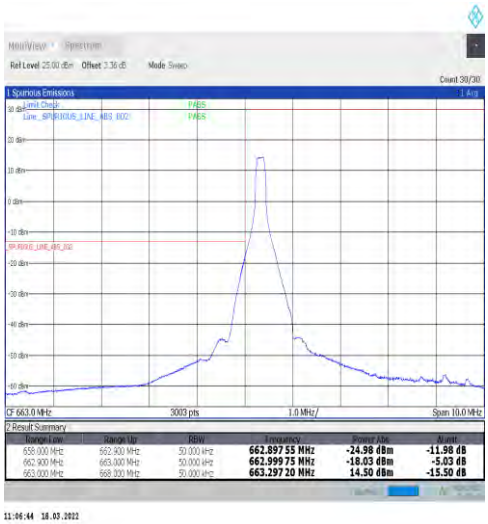	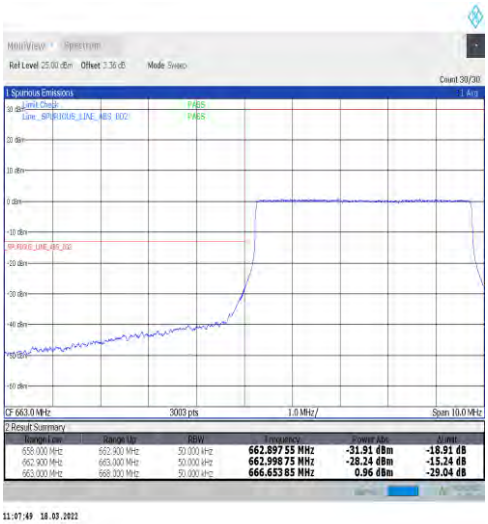
1-N71-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph	1-N71-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-PASS-see graph

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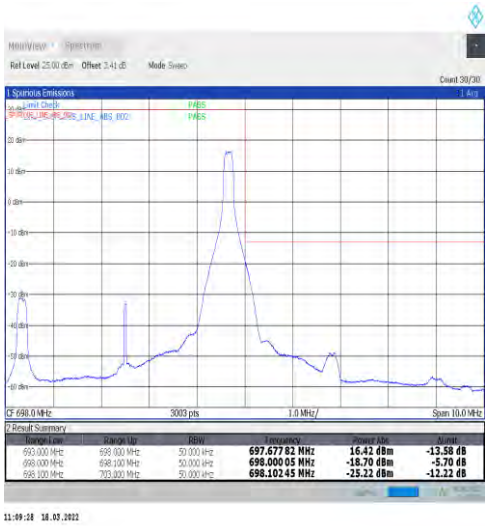

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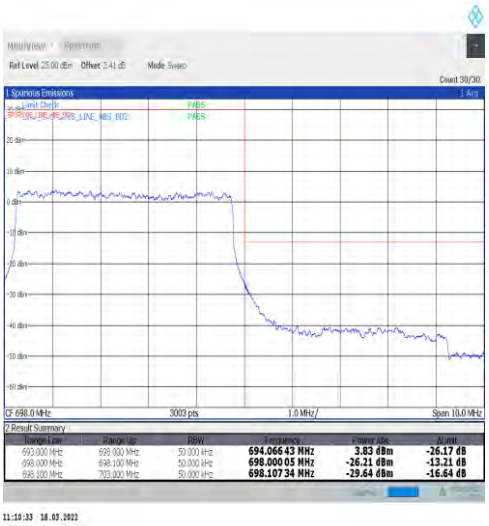

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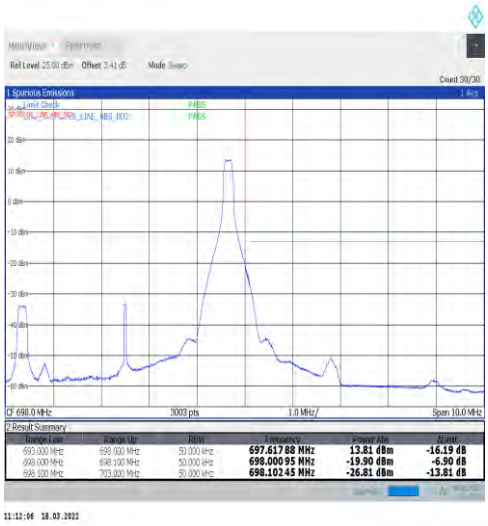

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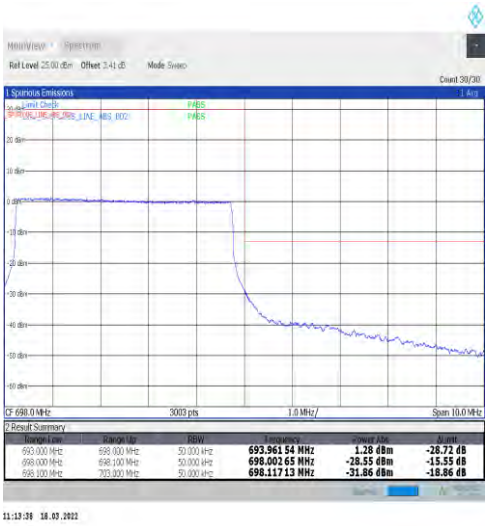

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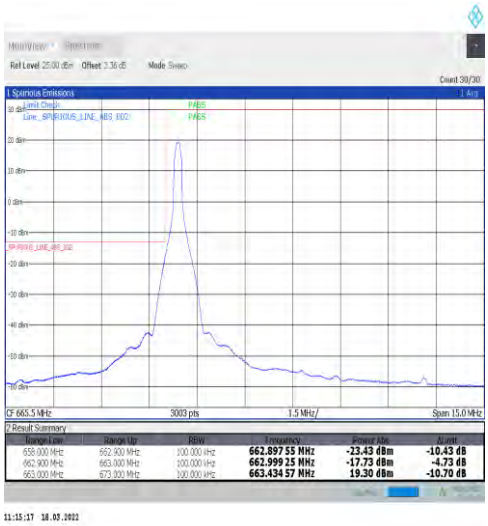

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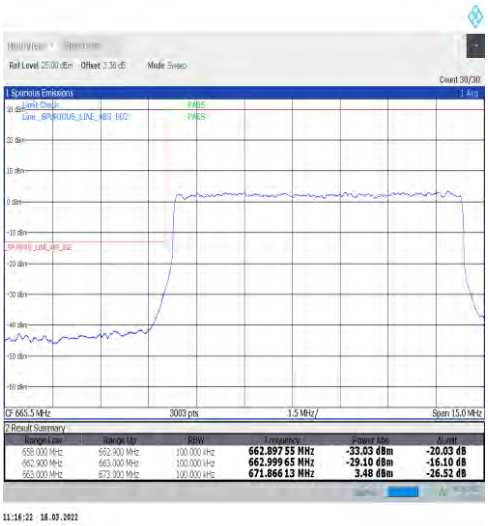

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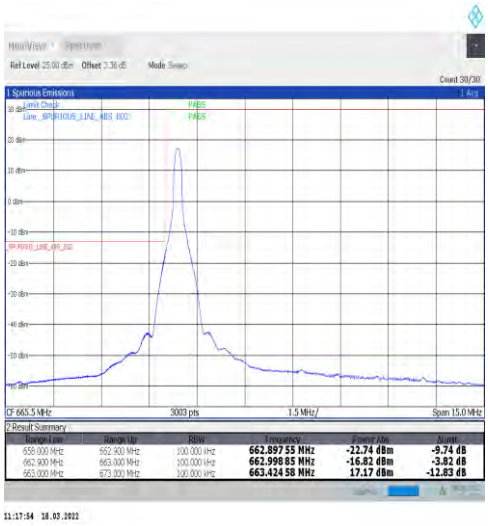

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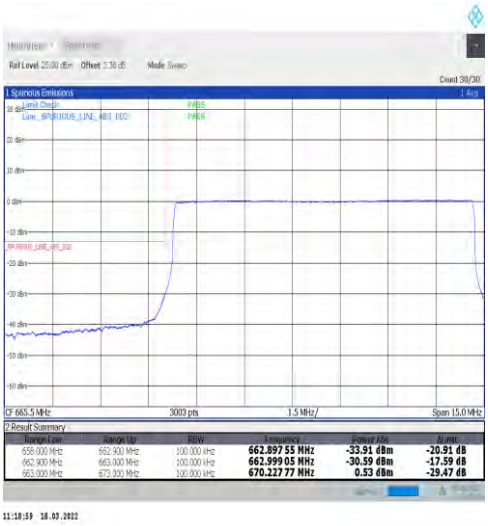

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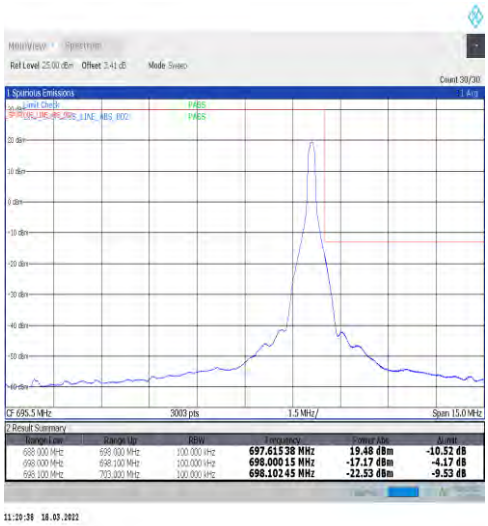

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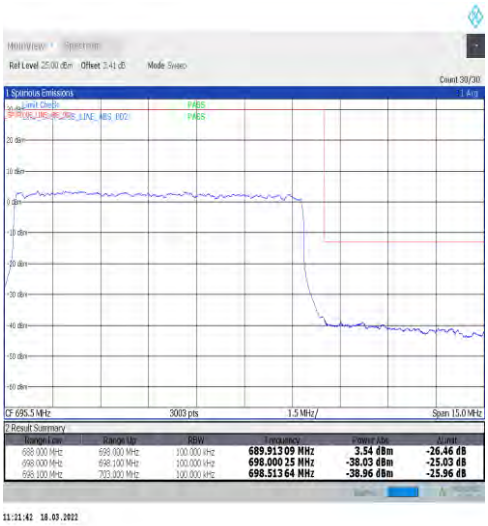

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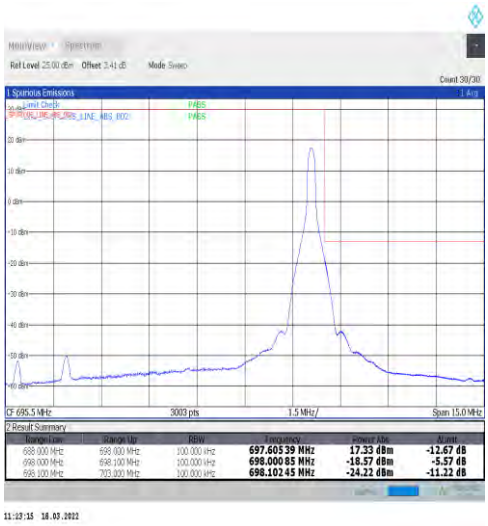

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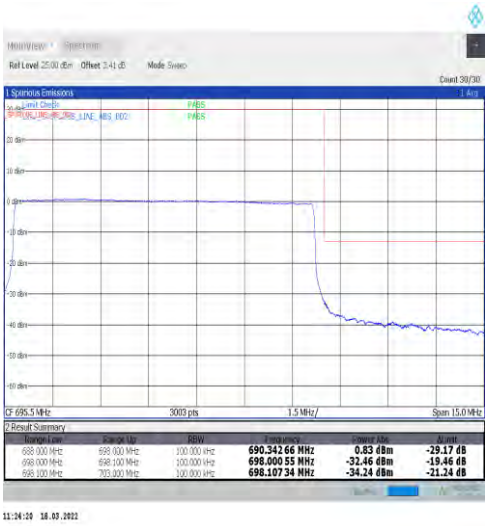

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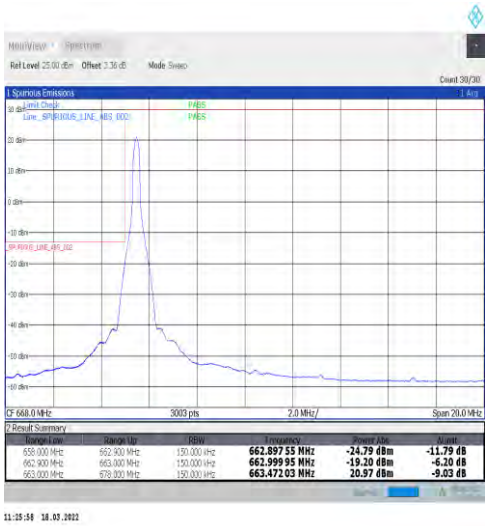

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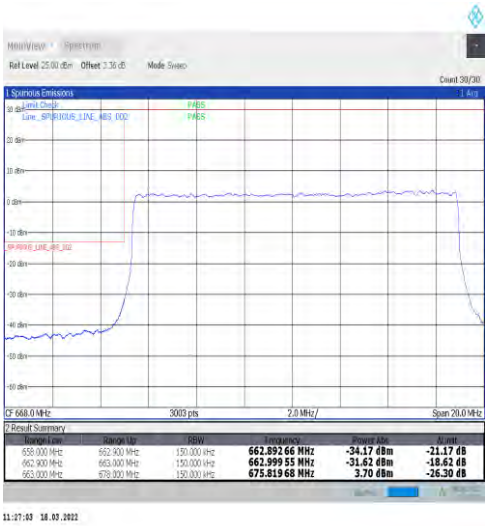

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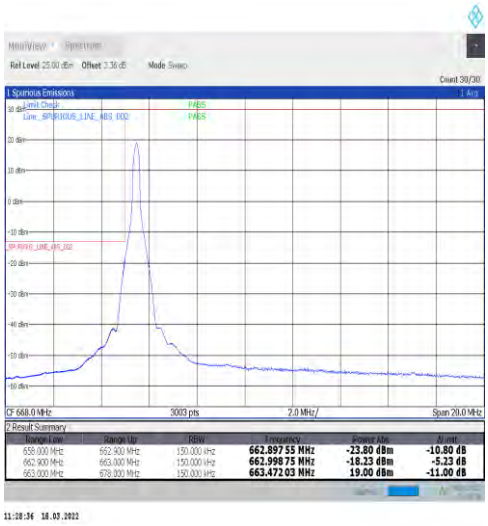

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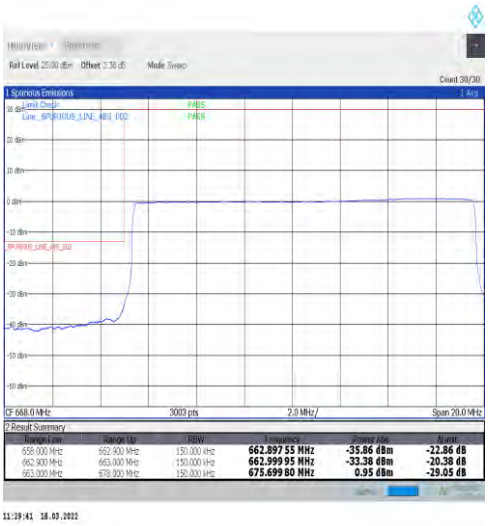

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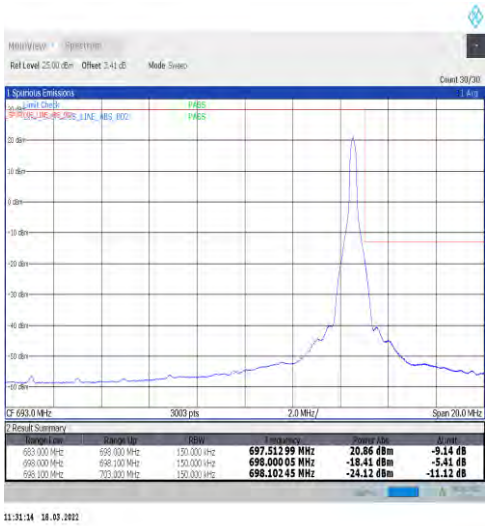

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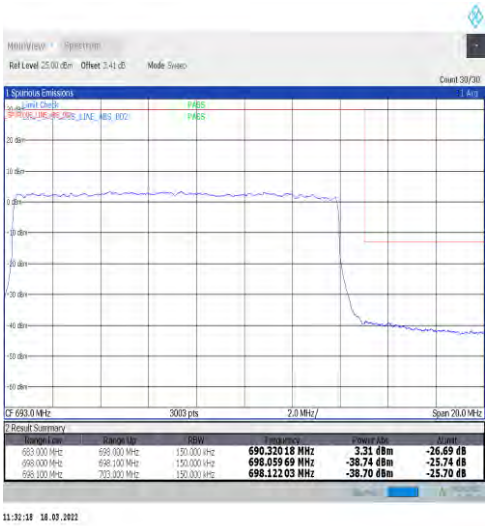

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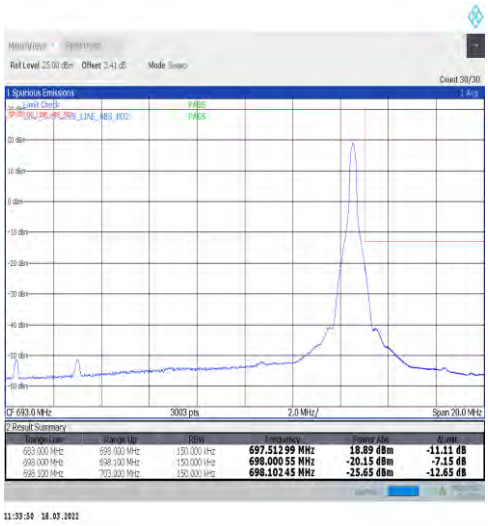

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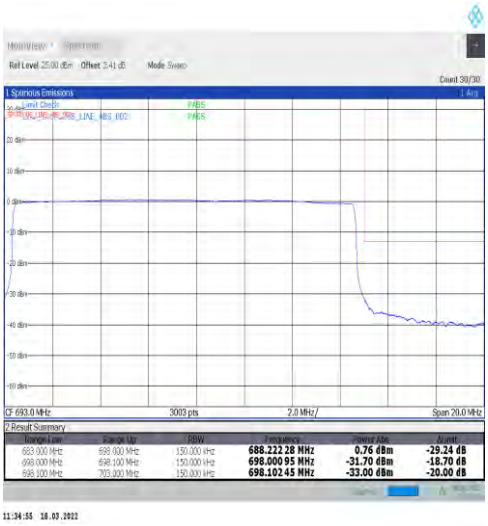

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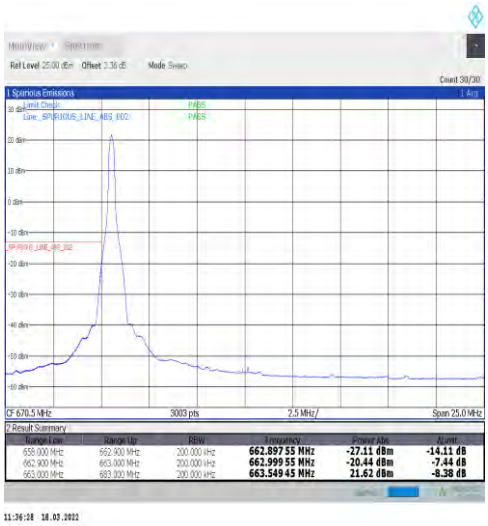

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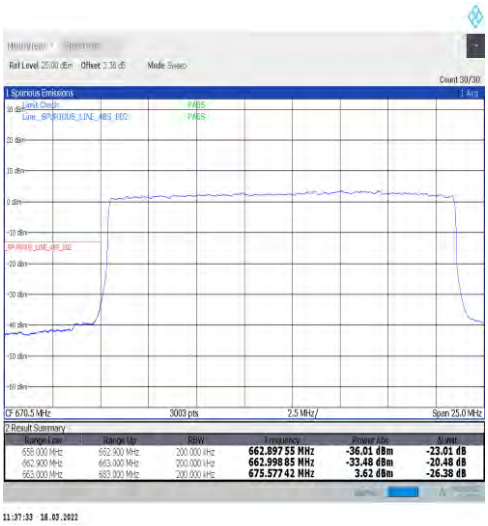

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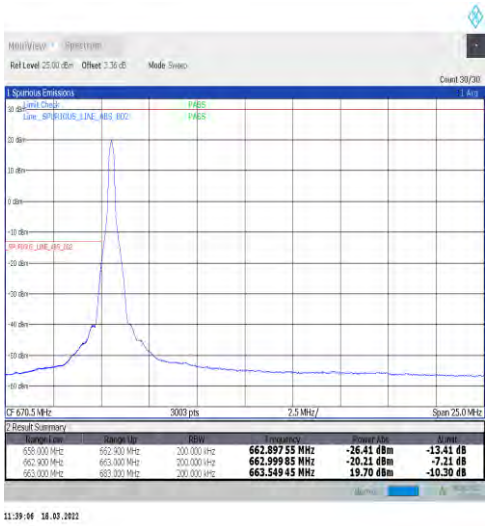

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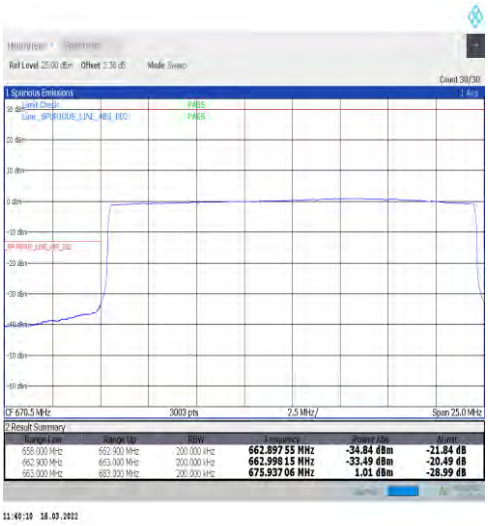

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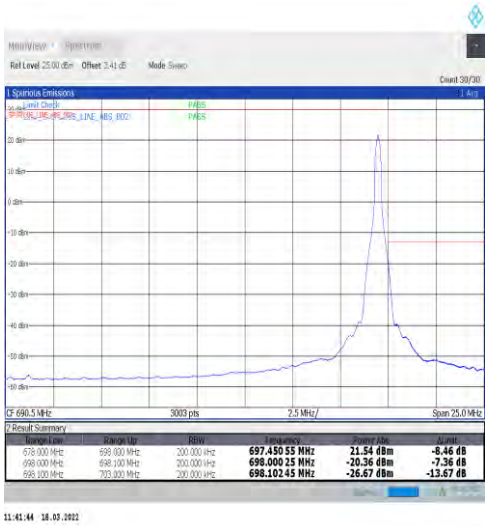

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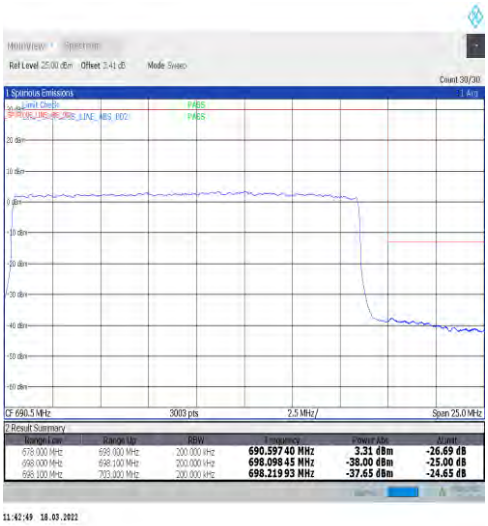

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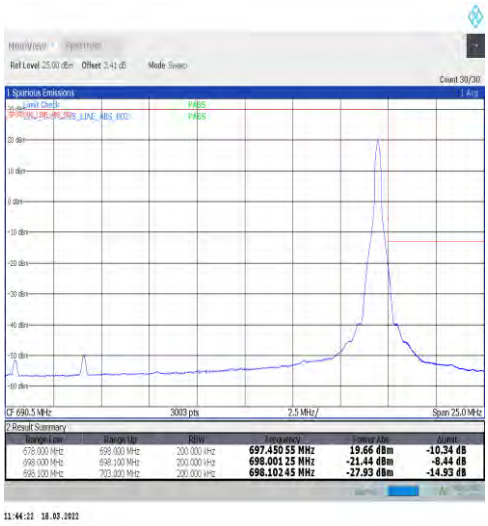

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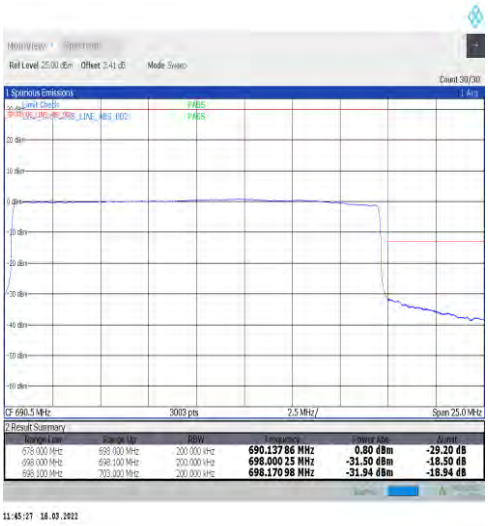

1-N71-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-PASS-see graph

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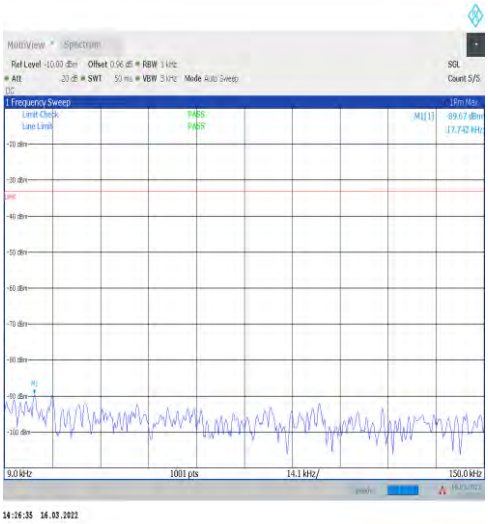
Conducted Spurious Emission for SA

Test Graphs



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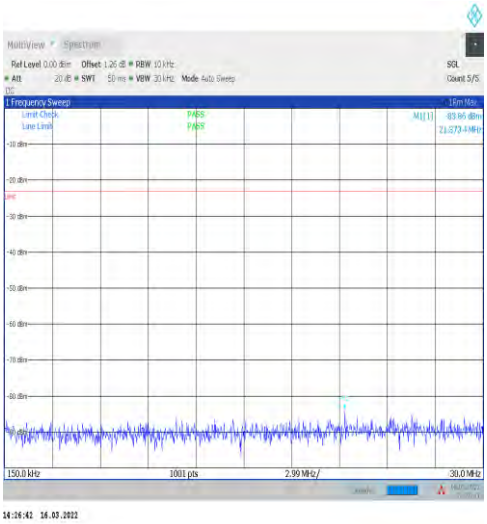

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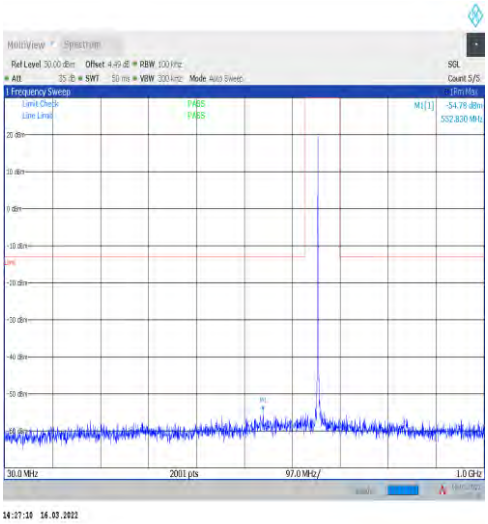

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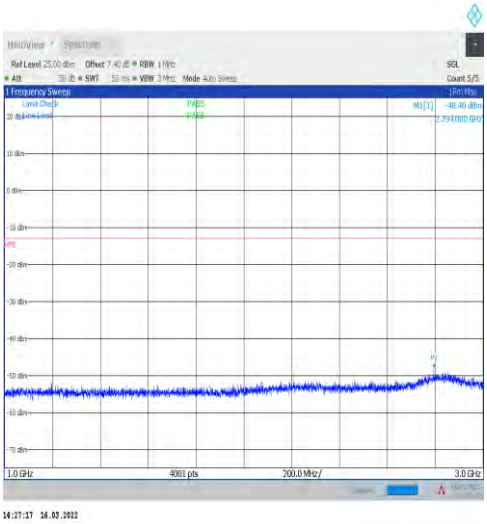

1-N71-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--48.40--13-PASS

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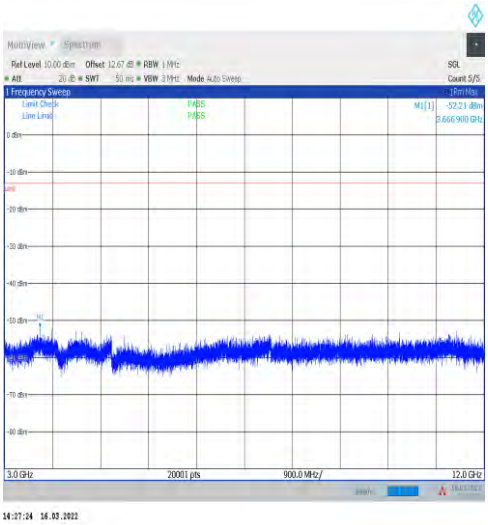

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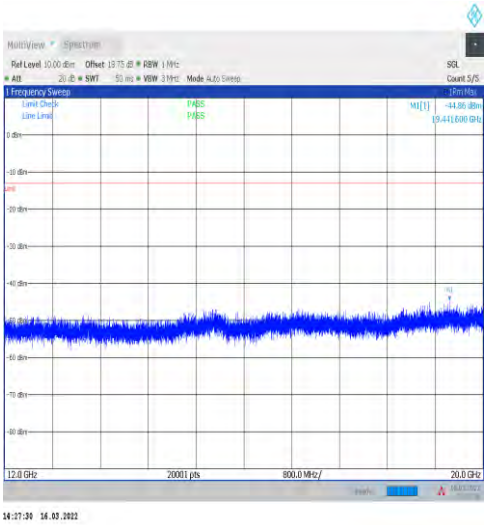

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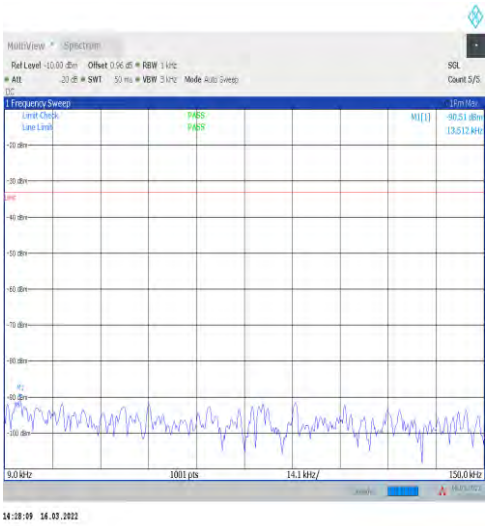

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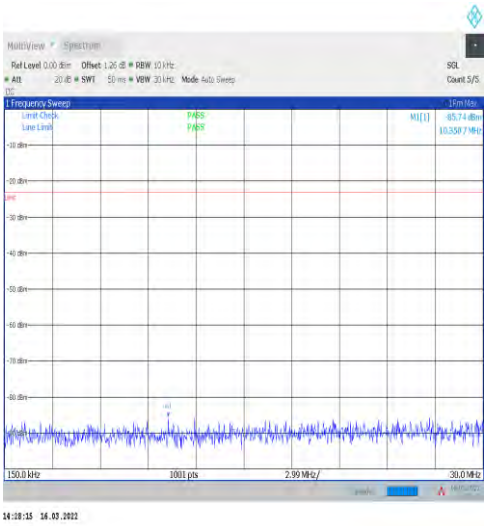

1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--85.74--23-PASS

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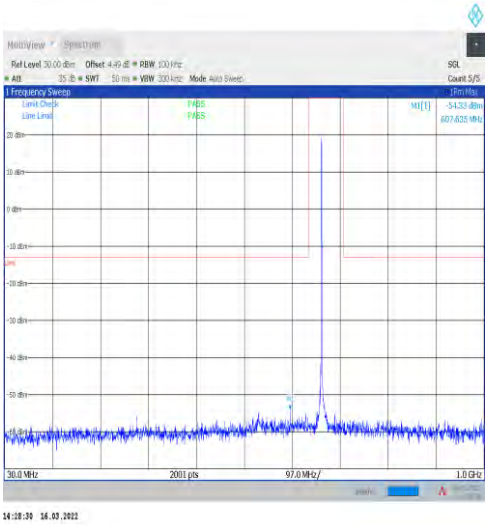

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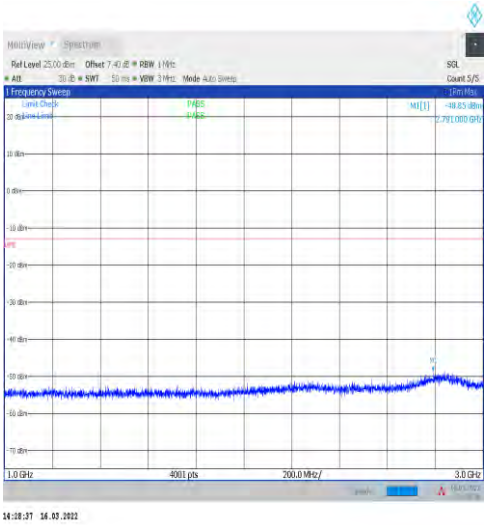

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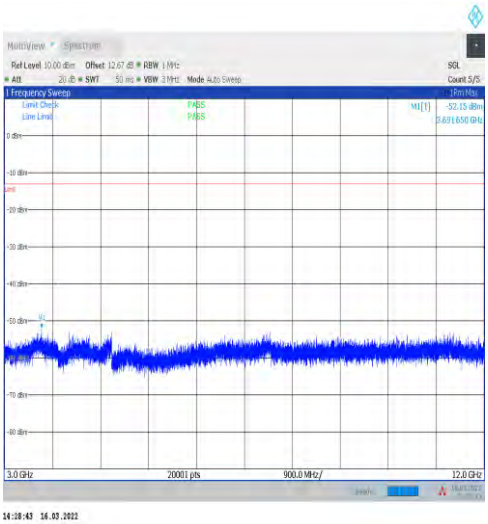

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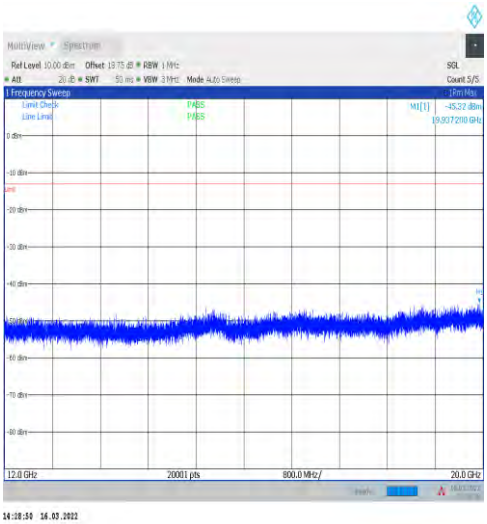

1-N71-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--45.32--13-PASS

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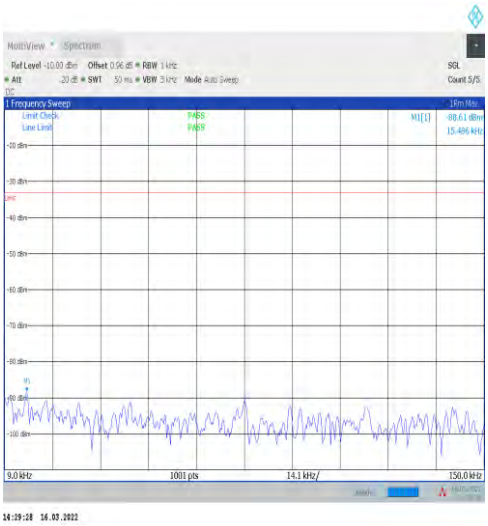	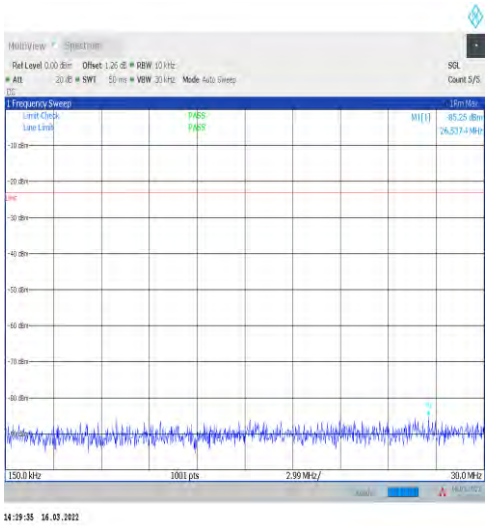
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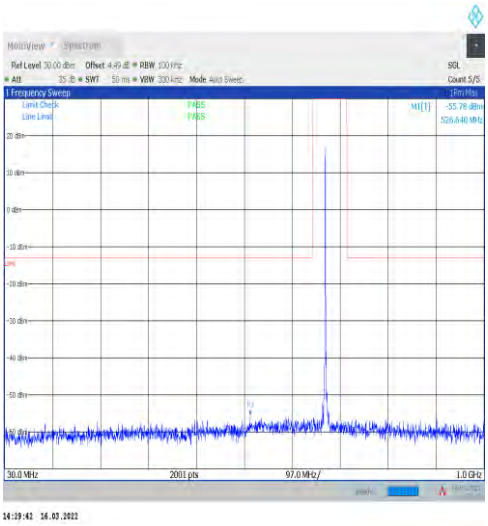	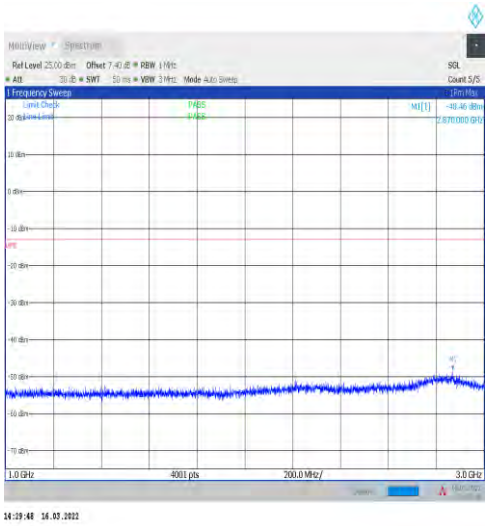
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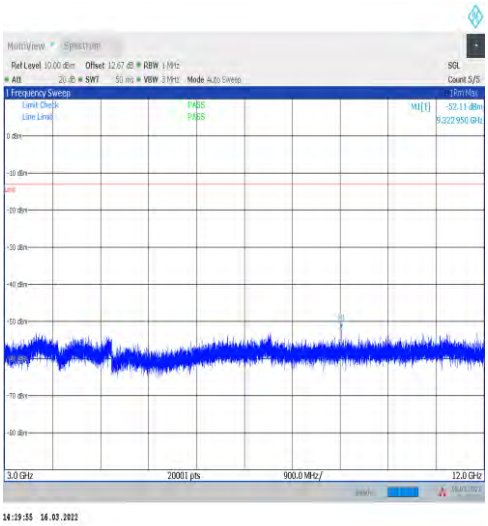	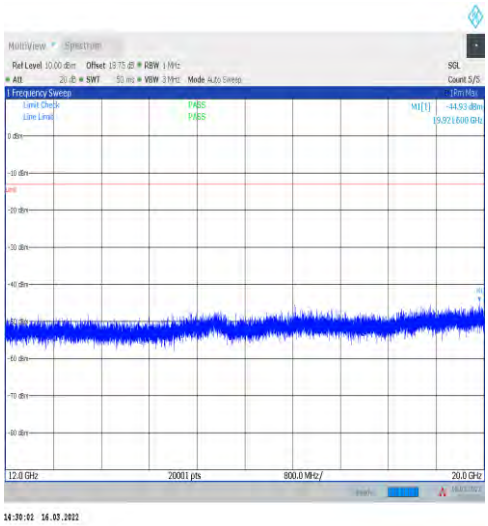
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Field Strength of Spurious Radiation

Test Band = SA n71_ 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	1326.6667	86.82	-118.50	-31.68	-13.00	18.68	264	329	Horizontal
2	1990.6667	69.27	-116.51	-47.24	-13.00	34.24	175	293	Horizontal
3	2653.7778	58.41	-113.98	-55.57	-13.00	42.57	268	176	Horizontal
4	3317.7778	55.04	-111.93	-56.89	-13.00	43.89	195	259	Horizontal
5	3984.54	49.78	-110.20	-60.42	-13.00	47.42	287	247	Horizontal
6	4648.63	48.63	-108.09	-59.46	-13.00	46.46	172	235	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1327.5556	63.49	-118.50	-55.01	-13.00	42.01	261	264	Vertical
2	1990.6667	59.09	-116.51	-57.42	-13.00	44.42	172	134	Vertical
3	2654.6667	58.23	-113.98	-55.75	-13.00	42.75	211	3	Vertical
4	3320.45	50.44	-111.93	-61.49	-13.00	48.49	241	111	Vertical
5	3984.54	48.42	-110.20	-61.78	-13.00	48.78	269	1	Vertical
6	4648.63	48.77	-108.09	-59.32	-13.00	46.32	271	88	Vertical

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Test Band = SA n71_ 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	1342.6667	76.96	-118.52	-41.56	-13.00	28.56	264	25	Horizontal
2	2012.8889	78.99	-116.39	-37.40	-13.00	24.40	178	200	Horizontal
3	2684	70.17	-113.82	-43.65	-13.00	30.65	269	329	Horizontal
4	3355.1111	59.15	-112.01	-52.86	-13.00	39.86	241	141	Horizontal
5	4029.54	48.71	-110.09	-61.38	-13.00	48.38	175	188	Horizontal
6	4701.13	50.22	-107.93	-57.71	-13.00	44.71	268	130	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1342.6667	73.16	-118.52	-45.36	-13.00	32.36	263	323	Vertical
2	2012.8889	59.44	-116.39	-56.95	-13.00	43.95	241	56	Vertical
3	2684	58.00	-113.82	-55.82	-13.00	42.82	302	2	Vertical
4	3357.95	51.40	-112.01	-60.61	-13.00	47.61	264	196	Vertical
5	4029.54	49.09	-110.09	-61.00	-13.00	48.00	175	207	Vertical
6	4701.13	49.37	-107.93	-58.56	-13.00	45.56	298	253	Vertical

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Test Band = SA n71_ 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	1356.8889	88.59	-118.54	-29.95	-13.00	16.95	163	293	Horizontal
2	2036	78.30	-116.30	-38.00	-13.00	25.00	241	360	Horizontal
3	2714.2222	71.02	-113.64	-42.62	-13.00	29.62	168	106	Horizontal
4	3392.4444	59.92	-112.08	-52.16	-13.00	39.16	175	327	Horizontal
5	4071.1111	55.07	-109.98	-54.91	-13.00	41.91	244	246	Horizontal
6	4753.63	51.51	-107.83	-56.32	-13.00	43.32	195	118	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1356.8889	65.38	-118.54	-53.16	-13.00	40.16	263	255	Vertical
2	2035.1111	61.81	-116.30	-54.49	-13.00	41.49	175	63	Vertical
3	2713.7778	63.30	-113.64	-50.34	-13.00	37.34	244	48	Vertical
4	3395.45	50.06	-112.09	-62.03	-13.00	49.03	175	47	Vertical
5	4074.54	49.14	-109.97	-60.83	-13.00	47.83	267	141	Vertical
6	4753.63	50.21	-107.83	-57.62	-13.00	44.62	176	151	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NSA DC_2A_n71_ 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	1328.18	40.60	-95.91	-55.31	-13.00	42.31	263	359	Horizontal
2	1992.27	40.62	-93.45	-52.83	-13.00	39.83	142	104	Horizontal
3	2656.36	39.66	-90.77	-51.11	-13.00	38.11	264	136	Horizontal
4	3320.45	50.27	-111.68	-61.41	-13.00	48.41	206	0	Horizontal
5	3984.54	48.51	-110.15	-61.64	-13.00	48.64	214	70	Horizontal
6	4648.63	49.50	-107.87	-58.37	-13.00	45.37	186	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	39.62	-95.91	-56.29	-13.00	43.29	214	199	Vertical
2	1992.27	39.05	-93.45	-54.40	-13.00	41.40	163	230	Vertical
3	1992.27	39.05	-93.45	-54.40	-13.00	41.40	351	230	Vertical
4	3320.45	51.68	-111.68	-60.00	-13.00	47.00	111	112	Vertical
5	3984.54	48.75	-110.15	-61.40	-13.00	48.40	125	97	Vertical
6	4648.63	47.98	-107.87	-59.89	-13.00	46.89	175	126	Vertical

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Test Band = NSA DC_2A_n71_ 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	1343.18	39.78	-95.86	-56.08	-13.00	43.08	210	239	Horizontal
2	2014.77	41.06	-93.34	-52.28	-13.00	39.28	233	113	Horizontal
3	2686.36	39.65	-90.61	-50.96	-13.00	37.96	211	133	Horizontal
4	3357.95	50.08	-111.71	-61.63	-13.00	48.63	152	200	Horizontal
5	4029.54	48.50	-109.93	-61.43	-13.00	48.43	265	3	Horizontal
6	4701.13	50.36	-107.64	-57.28	-13.00	44.28	142	51	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.18	40.22	-95.86	-55.64	-13.00	42.64	201	156	Vertical
2	2014.77	38.52	-93.34	-54.82	-13.00	41.82	163	104	Vertical
3	2686.36	37.54	-90.61	-53.07	-13.00	40.07	352	360	Vertical
4	3357.95	50.05	-111.71	-61.66	-13.00	48.66	142	41	Vertical
5	4029.54	49.00	-109.93	-60.93	-13.00	47.93	264	321	Vertical
6	4701.13	48.77	-107.64	-58.87	-13.00	45.87	152	0	Vertical

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Test Band = NSA DC_2A_n71_ 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	1358.18	40.49	-95.81	-55.32	-13.00	42.32	214	239	Horizontal
2	2037.27	40.73	-93.27	-52.54	-13.00	39.54	163	124	Horizontal
3	2716.36	38.14	-90.45	-52.31	-13.00	39.31	352	51	Horizontal
4	3395.45	50.14	-111.75	-61.61	-13.00	48.61	142	174	Horizontal
5	4074.54	48.12	-109.65	-61.53	-13.00	48.53	268	1	Horizontal
6	4753.63	50.03	-107.61	-57.58	-13.00	44.58	172	268	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	39.96	-95.81	-55.85	-13.00	42.85	241	360	Vertical
2	2037.27	38.55	-93.27	-54.72	-13.00	41.72	162	82	Vertical
3	2716.36	37.57	-90.45	-52.88	-13.00	39.88	284	322	Vertical
4	3395.45	50.35	-111.75	-61.40	-13.00	48.40	264	45	Vertical
5	4074.54	47.90	-109.65	-61.75	-13.00	48.75	175	32	Vertical
6	4753.63	50.35	-107.61	-57.26	-13.00	44.26	264	138	Vertical

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Test Band = NSA DC_66A_n71_ 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	1328.18	48.47	-95.91	-47.44	-13.00	34.44	210	104	Horizontal
2	1992.27	41.34	-93.45	-52.11	-13.00	39.11	236	240	Horizontal
3	2660.5	71.71	-90.75	-19.04	-13.00	6.04	214	104	Horizontal
4	3320.45	50.75	-111.68	-60.93	-13.00	47.93	185	320	Horizontal
5	3984.54	48.16	-110.15	-61.99	-13.00	48.99	265	0	Horizontal
6	4648.63	49.57	-107.87	-58.30	-13.00	45.30	215	108	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	39.33	-95.91	-56.58	-13.00	43.58	214	196	Vertical
2	1992.27	39.16	-93.45	-54.29	-13.00	41.29	163	58	Vertical
3	2656.36	37.51	-90.77	-53.26	-13.00	40.26	352	220	Vertical
4	3320.45	50.34	-111.68	-61.34	-13.00	48.34	144	0	Vertical
5	3984.54	49.11	-110.15	-61.04	-13.00	48.04	175	1	Vertical
6	4648.63	48.55	-107.87	-59.32	-13.00	46.32	264	347	Vertical

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Test Band = NSA DC_66A_n71_ 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	1343.18	39.75	-95.86	-56.11	-13.00	41.30	214	229	Horizontal
2	2014.77	39.98	-93.34	-53.36	-13.00	40.36	163	93	Horizontal
3	2686.36	41.11	-90.61	-49.50	-13.00	37.74	241	114	Horizontal
4	3357.95	50.07	-111.71	-61.64	-13.00	48.64	175	97	Horizontal
5	4029.54	49.41	-109.93	-60.52	-13.00	47.52	264	178	Horizontal
6	4701.13	49.77	-107.64	-57.87	-13.00	44.87	175	45	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.18	39.64	-95.86	-56.22	-13.00	43.22	263	28	Vertical
2	2014.77	38.48	-93.34	-54.86	-13.00	41.86	214	3	Vertical
3	2686.36	38.18	-90.61	-52.43	-13.00	39.43	185	19	Vertical
4	3357.95	49.77	-111.71	-61.94	-13.00	48.94	264	111	Vertical
5	4029.54	48.47	-109.93	-61.46	-13.00	48.46	175	70	Vertical
6	4701.13	50.05	-107.64	-57.59	-13.00	44.59	264	201	Vertical

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Test Band = NSA DC_66A_n71_ 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	1358.18	41.17	-95.81	-54.64	-13.00	41.64	241	186	Horizontal
2	2037.27	40.36	-93.27	-52.91	-13.00	39.91	162	144	Horizontal
3	2716.36	40.43	-90.45	-50.02	-13.00	37.02	241	113	Horizontal
4	3395.45	50.10	-111.75	-61.65	-13.00	48.65	111	96	Horizontal
5	4074.54	48.55	-109.65	-61.10	-13.00	48.10	185	0	Horizontal
6	4753.63	50.80	-107.61	-56.81	-13.00	43.81	264	162	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	39.80	-95.81	-56.01	-13.00	43.01	263	20	Vertical
2	2037.27	39.10	-93.27	-54.17	-13.00	41.17	351	359	Vertical
3	2716.36	37.51	-90.45	-52.94	-13.00	39.94	142	51	Vertical
4	3395.45	49.76	-111.75	-61.99	-13.00	48.99	265	136	Vertical
5	4074.54	49.64	-109.65	-60.01	-13.00	47.01	222	321	Vertical
6	4753.63	49.12	-107.61	-58.49	-13.00	45.49	214	1	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
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-17.900000	-0.026304	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-19.200000	-0.028215	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-14.900000	-0.021896	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	-0.600000	-0.000882	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.800000	-0.005584	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	-3.700000	-0.005437	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	-30	-6.300000	-0.009258	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-12.500000	-0.018369	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-10.000000	-0.014695	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-10.500000	-0.015430	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-10.200000	-0.014989	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-10.300000	-0.015136	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.200000	-0.010580	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-15.500000	-0.022777	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-7.700000	-0.011315	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	-0.300000	-0.000441	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-2.100000	-0.003086	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	1.000000	0.001470	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	0.400000	0.000588	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-0.700000	-0.001029	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-0.900000	-0.001323	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-3.000000	-0.004409	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-0.700000	-0.001029	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	-1.000000	-0.001470	PASS

The End

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