Appendix B.13

NR Band n5

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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
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.24	22.41	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.16	22.33	38.45	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	22.70	21.87	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.14	22.31	38.45	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.24	22.41	38.45	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	22.19	21.36	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	22.15	21.32	38.45	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	22.28	21.45	38.45	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	21.20	20.37	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	20.90	20.07	38.45	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	21.03	20.20	38.45	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	20.69	19.86	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	18.26	17.43	38.45	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	18.32	17.49	38.45	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	18.66	17.83	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.39	22.56	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.43	22.60	38.45	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	22.91	22.08	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.32	22.49	38.45	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.30	22.47	38.45	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	22.42	21.59	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	22.37	21.54	38.45	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	22.37	21.54	38.45	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	21.47	20.64	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	21.08	20.25	38.45	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	21.12	20.29	38.45	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	20.88	20.05	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	18.45	17.62	38.45	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	18.44	17.61	38.45	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	18.90	18.07	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.42	22.59	38.45	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.31	22.48	38.45	PASS

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N5	15	5	DFT-PI2BPSK	H	Outer_Full	22.86	22.03	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.31	22.48	38.45	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.23	22.40	38.45	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	22.36	21.53	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	22.43	21.60	38.45	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	22.24	21.41	38.45	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	21.41	20.58	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	21.14	20.31	38.45	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	21.05	20.22	38.45	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	20.93	20.10	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	18.45	17.62	38.45	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	18.40	17.57	38.45	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	18.89	18.06	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.15	22.32	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.35	22.52	38.45	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	22.83	22.00	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.06	22.23	38.45	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.26	22.43	38.45	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	22.31	21.48	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	22.14	21.31	38.45	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	22.37	21.54	38.45	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	21.31	20.48	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	20.82	19.99	38.45	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	21.02	20.19	38.45	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	20.84	20.01	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	18.20	17.37	38.45	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	18.37	17.54	38.45	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	18.78	17.95	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.31	22.48	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.32	22.49	38.45	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	22.86	22.03	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.28	22.45	38.45	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.28	22.45	38.45	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	22.36	21.53	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	22.21	21.38	38.45	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	22.31	21.48	38.45	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	21.42	20.59	38.45	PASS

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N5	15	10	DFT-64QAM	M	Inner_1RB_Left	20.89	20.06	38.45	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	21.02	20.19	38.45	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	20.98	20.15	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	18.26	17.43	38.45	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	18.38	17.55	38.45	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	18.87	18.04	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.44	22.61	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.30	22.47	38.45	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	22.97	22.14	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.32	22.49	38.45	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	23.20	22.37	38.45	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	22.44	21.61	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	22.45	21.62	38.45	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Right	22.21	21.38	38.45	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	21.42	20.59	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	21.01	20.18	38.45	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	20.95	20.12	38.45	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	21.00	20.17	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	18.35	17.52	38.45	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	18.33	17.50	38.45	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	18.89	18.06	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.31	22.48	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.50	22.67	38.45	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	22.97	22.14	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.21	22.38	38.45	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.43	22.60	38.45	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	22.45	21.62	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	22.30	21.47	38.45	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	22.49	21.66	38.45	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	21.52	20.69	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	21.02	20.19	38.45	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	21.22	20.39	38.45	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	21.02	20.19	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	18.44	17.61	38.45	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	18.60	17.77	38.45	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	19.00	18.17	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.37	22.54	38.45	PASS

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N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.49	22.66	38.45	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.06	22.23	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.30	22.47	38.45	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.41	22.58	38.45	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	22.58	21.75	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	22.41	21.58	38.45	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	22.43	21.60	38.45	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	21.63	20.80	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	21.01	20.18	38.45	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	21.18	20.35	38.45	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	21.09	20.26	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	18.48	17.65	38.45	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	18.46	17.63	38.45	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	19.04	18.21	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.49	22.66	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.32	22.49	38.45	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.04	22.21	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.46	22.63	38.45	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	23.23	22.40	38.45	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	22.53	21.70	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Left	22.51	21.68	38.45	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	22.22	21.39	38.45	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	21.58	20.75	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	21.16	20.33	38.45	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	21.01	20.18	38.45	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	21.11	20.28	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	18.65	17.82	38.45	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	18.37	17.54	38.45	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	19.08	18.25	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.27	22.44	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.38	22.55	38.45	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	22.95	22.12	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.24	22.41	38.45	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.36	22.53	38.45	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.13	22.30	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	21.04	20.21	38.45	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	21.15	20.32	38.45	PASS

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N5	15	20	DFT-16QAM	L	Outer_Full	21.30	20.47	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	20.16	19.33	38.45	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	20.12	19.29	38.45	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	19.36	18.53	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	18.36	17.53	38.45	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	18.61	17.78	38.45	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	19.10	18.27	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.31	22.48	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.41	22.58	38.45	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.02	22.19	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.26	22.43	38.45	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.32	22.49	38.45	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	22.56	21.73	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	22.20	21.37	38.45	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	22.40	21.57	38.45	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	21.57	20.74	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	20.91	20.08	38.45	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	21.12	20.29	38.45	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	21.15	20.32	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	18.38	17.55	38.45	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	18.54	17.71	38.45	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	19.08	18.25	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.36	22.53	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.31	22.48	38.45	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.06	22.23	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.31	22.48	38.45	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.27	22.44	38.45	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	22.56	21.73	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	22.29	21.46	38.45	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	22.24	21.41	38.45	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	21.55	20.72	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	20.99	20.16	38.45	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	21.02	20.19	38.45	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	21.13	20.30	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	18.40	17.57	38.45	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	18.43	17.60	38.45	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	19.08	18.25	38.45	PASS

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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.75	≤13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.15	≤13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.55	≤13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.31	≤13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.83	≤13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.45	≤13	PASS

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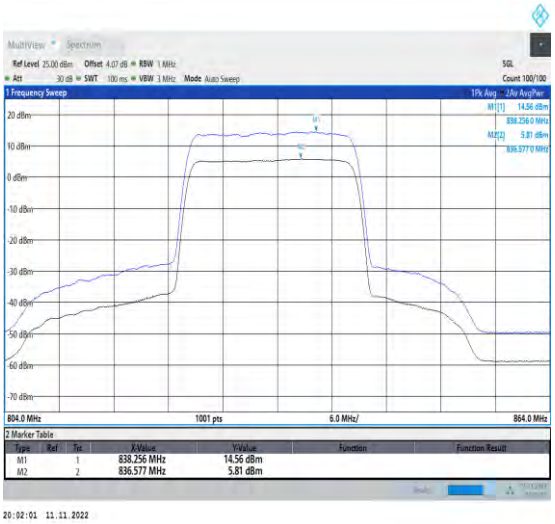
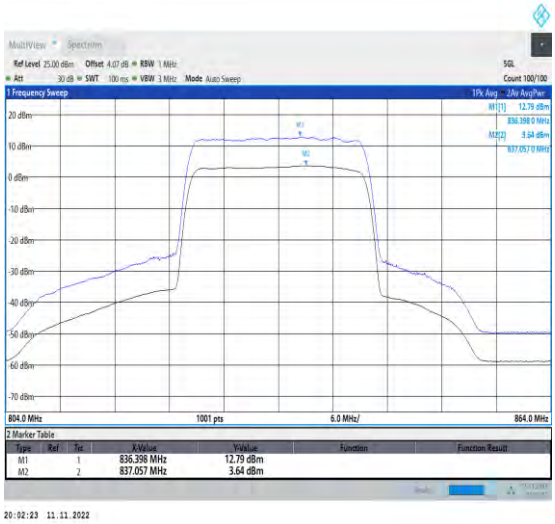
Test Graphs



1-N5-PC3-15-20-L-1-DFT-256QAM-Outer_Full-100@0-Ant1-8.75-100%-0.00-8.75-PASS-≤13



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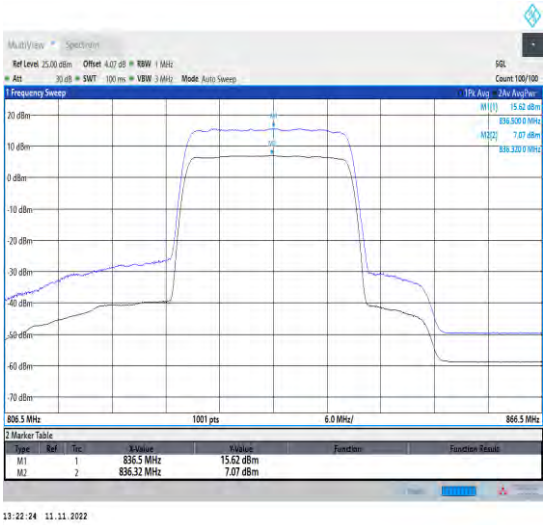

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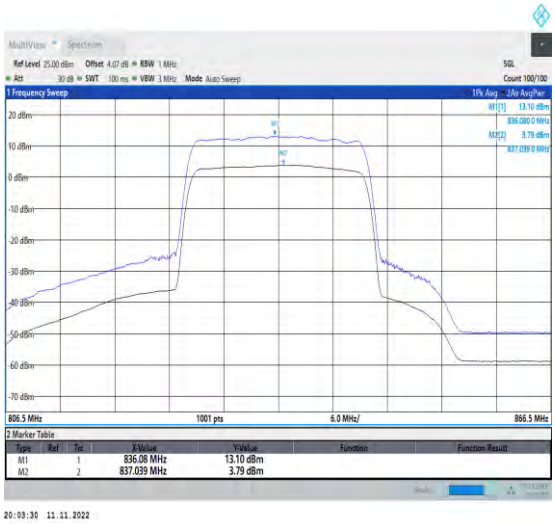

1-N5-PC3-15-20-M-2-CP-256QAM-Outer_Full-106@0-Ant1-9.31-100%-0.00-9.31-PASS-≤13

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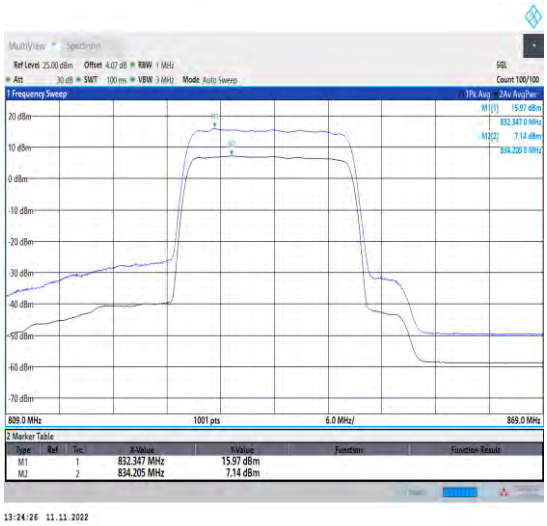	
1-N5-PC3-15-20-H-1-DFT-256QAM-Outer_Full-100@0-Ant1-7.35-100%-0.00-7.35-PASS-≤13	1-N5-PC3-15-20-H-2-CP-256QAM-Outer_Full-106@0-Ant1-9.45-100%-0.00-9.45-PASS-≤13

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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N5	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N5	15	20	CP-256QAM	M	Outer_Full	see graph	PASS

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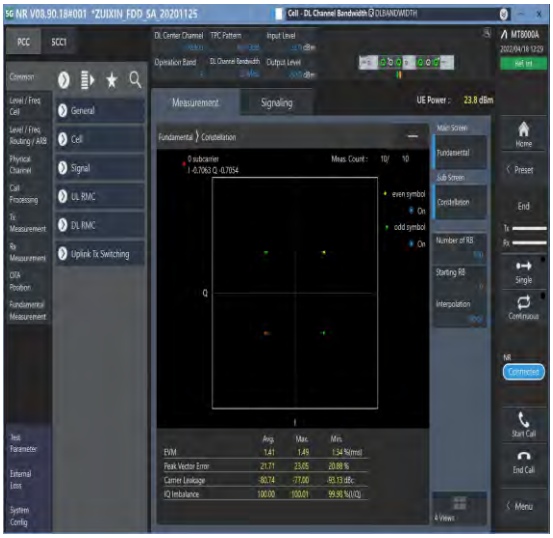
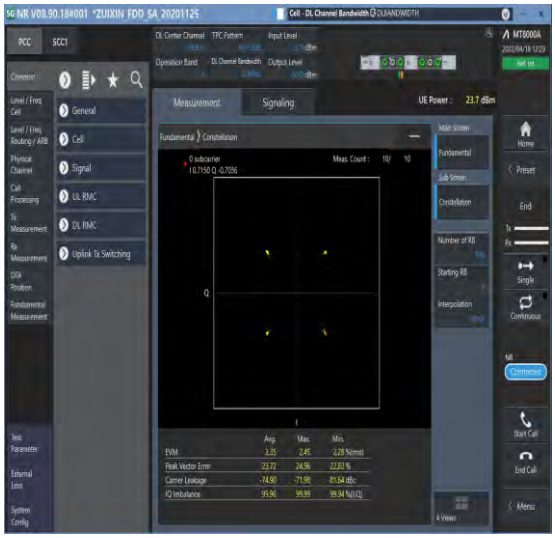
Test Graphs



1-N5--15-20-M-1-DFT-PI2BPSK-Outer_Full-100@0-Ant1-see graph-PASS



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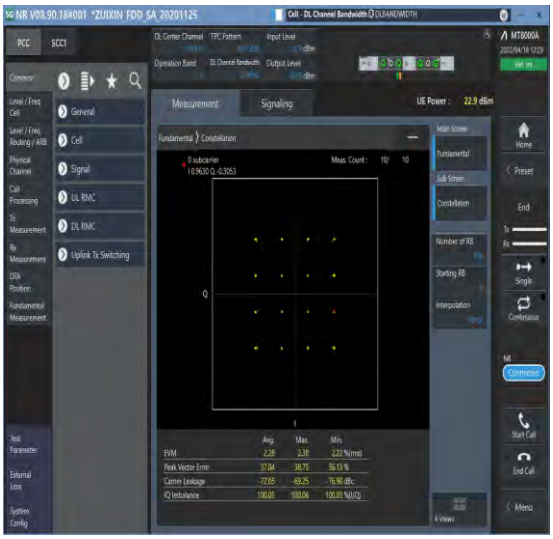

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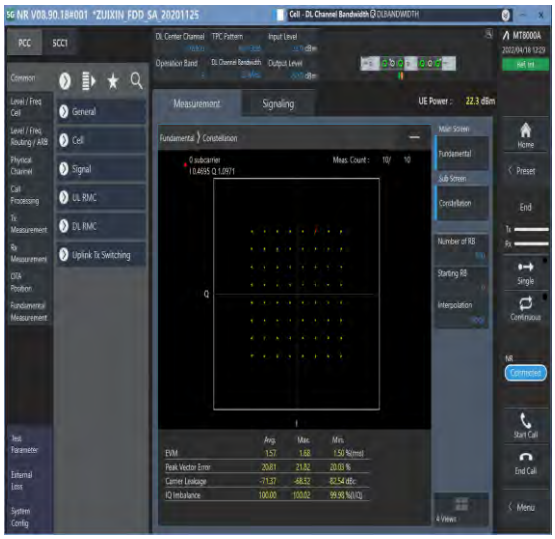

1-N5--15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-see graph-PASS

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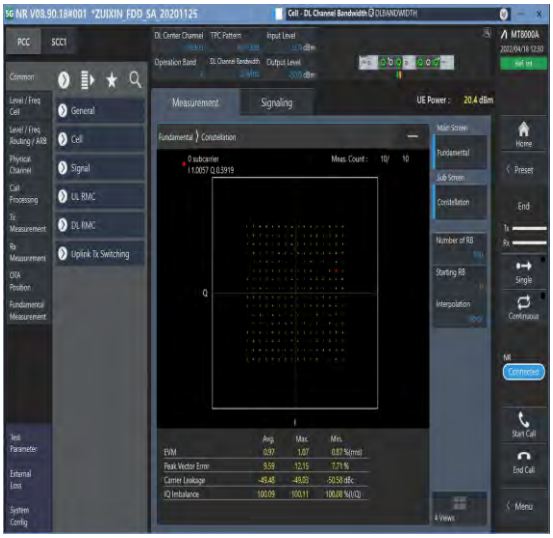

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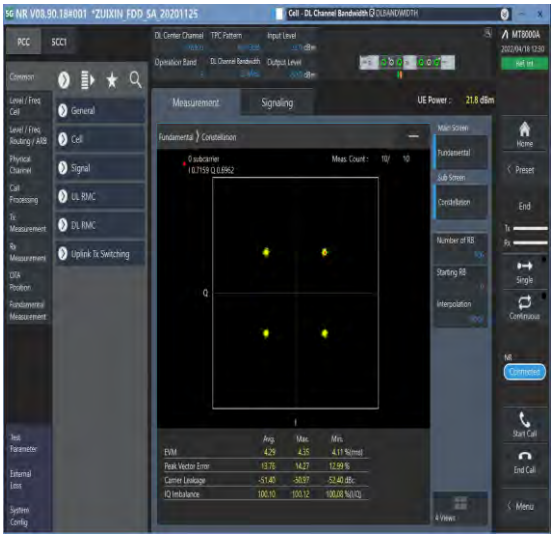

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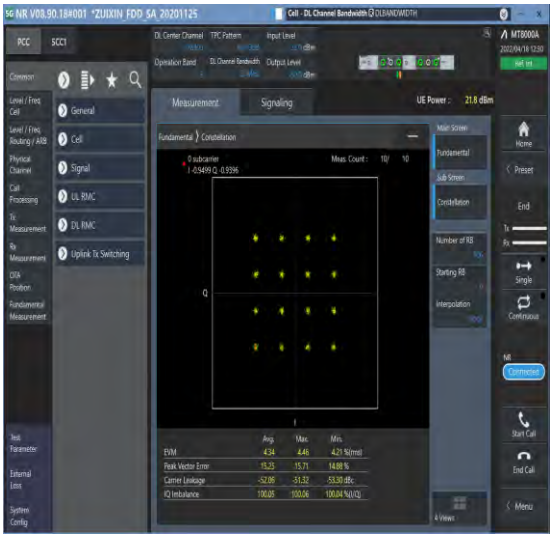

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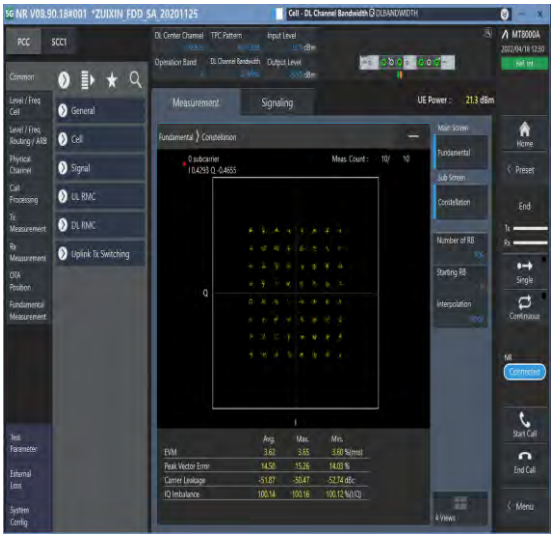

1-N5--15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS

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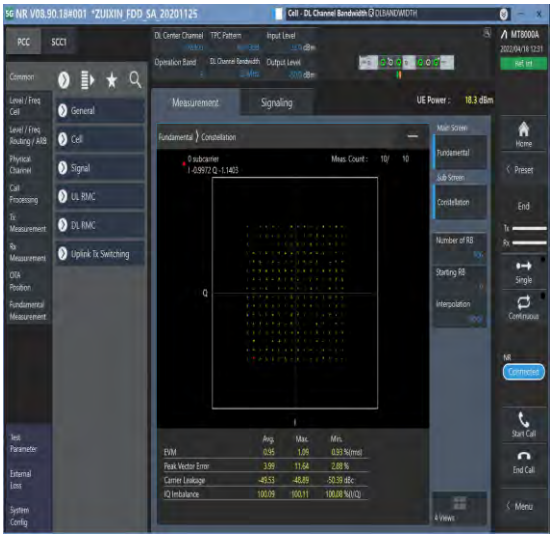	
1-N5--15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant 1-see graph-PASS	

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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
N5	15	5	DFT-QPSK	L	Outer_Full	4.472	4.880	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	4.482	4.970	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	4.487	5.150	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	4.493	5.060	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	4.476	5.060	PASS
N5	15	5	CP-QPSK	L	Outer_Full	4.481	5.010	PASS
N5	15	5	CP-16QAM	L	Outer_Full	4.466	5.070	PASS
N5	15	5	CP-64QAM	L	Outer_Full	4.474	5.150	PASS
N5	15	5	CP-256QAM	L	Outer_Full	4.48	5.140	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.467	4.960	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.466	4.860	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.468	4.990	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.478	4.950	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.483	5.020	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.478	5.110	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.496	5.130	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.477	5.050	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.469	5.030	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	4.474	4.840	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	4.47	5.010	PASS
N5	15	5	DFT-16QAM	H	Outer_Full	4.467	5.030	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	4.465	4.870	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	4.479	5.050	PASS
N5	15	5	CP-QPSK	H	Outer_Full	4.47	5.140	PASS
N5	15	5	CP-16QAM	H	Outer_Full	4.487	5.100	PASS
N5	15	5	CP-64QAM	H	Outer_Full	4.465	5.050	PASS
N5	15	5	CP-256QAM	H	Outer_Full	4.487	5.170	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	8.937	9.760	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	9.292	10.060	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	8.943	9.640	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	8.946	9.500	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	8.919	9.680	PASS

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N5	15	10	CP-QPSK	L	Outer_Full	9.294	9.980	PASS
N5	15	10	CP-16QAM	L	Outer_Full	9.292	10.060	PASS
N5	15	10	CP-64QAM	L	Outer_Full	9.275	9.900	PASS
N5	15	10	CP-256QAM	L	Outer_Full	9.291	10.100	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.912	9.700	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.901	9.480	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.93	9.700	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.889	9.660	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.909	9.620	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.273	10.040	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.274	10.140	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.276	9.940	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.272	10.000	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	8.941	9.620	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	8.916	9.560	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	8.956	9.700	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	8.951	9.580	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	8.928	9.520	PASS
N5	15	10	CP-QPSK	H	Outer_Full	9.293	10.120	PASS
N5	15	10	CP-16QAM	H	Outer_Full	9.264	10.100	PASS
N5	15	10	CP-64QAM	H	Outer_Full	9.26	9.960	PASS
N5	15	10	CP-256QAM	H	Outer_Full	9.302	9.980	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	13.445	14.400	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	13.443	14.340	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	13.471	14.400	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	13.434	14.280	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	13.44	14.340	PASS
N5	15	15	CP-QPSK	L	Outer_Full	14.149	15.180	PASS
N5	15	15	CP-16QAM	L	Outer_Full	14.147	15.180	PASS
N5	15	15	CP-64QAM	L	Outer_Full	14.144	14.880	PASS
N5	15	15	CP-256QAM	L	Outer_Full	14.115	15.120	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.413	14.220	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.409	14.160	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.436	14.370	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.413	14.340	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.429	14.280	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.09	15.090	PASS

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N5	15	15	CP-16QAM	M	Outer_Full	14.08	15.030	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.119	15.060	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.073	15.090	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	13.413	14.220	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	13.418	14.280	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	13.42	14.310	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	13.415	14.190	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	13.459	14.430	PASS
N5	15	15	CP-QPSK	H	Outer_Full	14.097	15.090	PASS
N5	15	15	CP-16QAM	H	Outer_Full	14.086	15.000	PASS
N5	15	15	CP-64QAM	H	Outer_Full	14.14	15.120	PASS
N5	15	15	CP-256QAM	H	Outer_Full	14.101	14.970	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	17.884	18.760	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	17.872	18.760	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	17.874	18.760	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	17.839	18.840	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	17.857	18.800	PASS
N5	15	20	CP-QPSK	L	Outer_Full	18.911	19.720	PASS
N5	15	20	CP-16QAM	L	Outer_Full	18.887	19.960	PASS
N5	15	20	CP-64QAM	L	Outer_Full	18.911	19.880	PASS
N5	15	20	CP-256QAM	L	Outer_Full	18.899	20.040	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.846	18.720	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.847	18.800	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.85	18.720	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.845	18.640	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.822	18.600	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.938	19.840	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.883	19.960	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.922	19.840	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.875	19.960	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	17.851	18.840	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	17.81	18.720	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	17.841	18.720	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	17.844	18.680	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	17.824	18.680	PASS
N5	15	20	CP-QPSK	H	Outer_Full	18.871	19.920	PASS
N5	15	20	CP-16QAM	H	Outer_Full	18.834	19.720	PASS

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N5	15	20	CP-64QAM	H	Outer_Full	18.85	19.800	PASS
N5	15	20	CP-256QAM	H	Outer_Full	18.881	19.840	PASS

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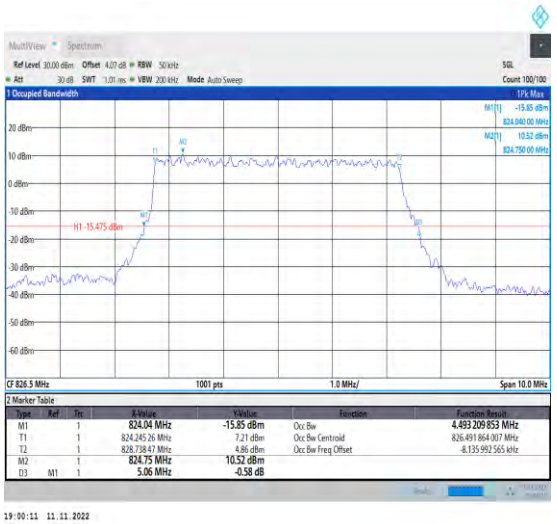
Test Graphs

1-N5-PC3-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.472-4.880-≤5-PASS

1-N5-PC3-15-5-L-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.482-4.970-≤5-PASS

1-N5-PC3-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.487-5.150-≤5-PASS



1-N5-PC3-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.493-5.060-≤5-PASS

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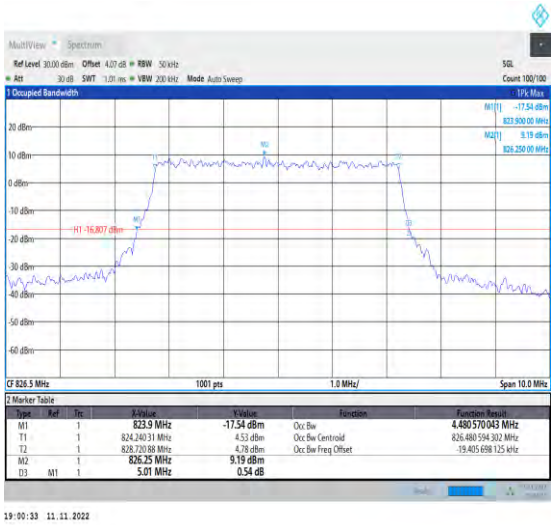
1-N5-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.476-5.060-≤5-PASS



1-N5-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.481-5.010-≤5-PASS

1-N5-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.466-5.070-≤5-PASS

1-N5-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.474-5.150-≤5-PASS

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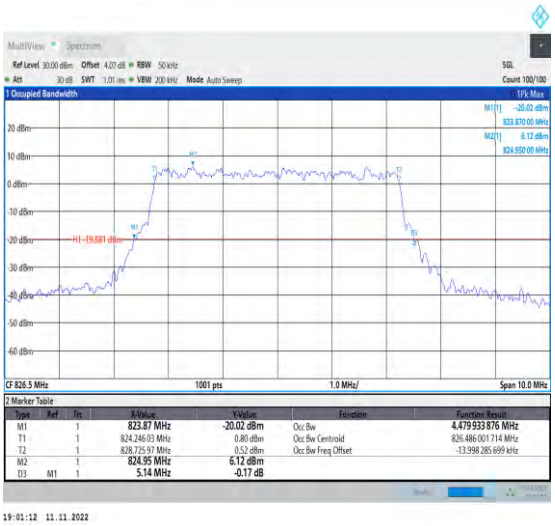

1-N5-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.48-5.140-≤5-PASS

1-N5-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.467-4.960-≤5-PASS

1-N5-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.466-4.860-≤5-PASS

1-N5-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.468-4.990-≤5-PASS

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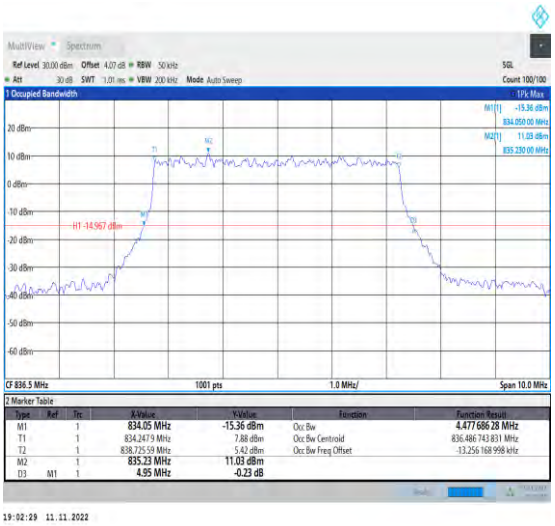

1-N5-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.478-4.950-≤5-PASS

1-N5-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.483-5.020-≤5-PASS

1-N5-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.478-5.110-≤5-PASS

1-N5-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.496-5.130-≤5-PASS

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1-N5-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.477-5.050-≤5-PASS

1-N5-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.469-5.030-≤5-PASS

1-N5-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.474-4.840-≤5-PASS

1-N5-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.47-5.010-≤5-PASS

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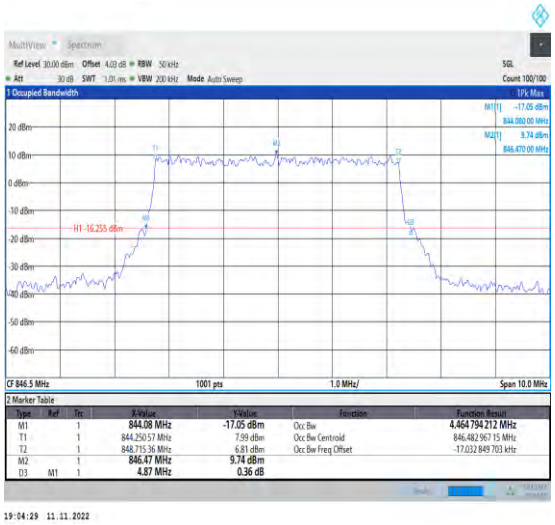

1-N5-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.465-4.870-≤5-PASS

1-N5-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.479-5.050-≤5-PASS

1-N5-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.47-5.140-≤5-PASS

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1-N5-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.487-5.100-≤5-PASS

1-N5-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.465-5.050-≤5-PASS

1-N5-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.487-5.170-≤5-PASS

1-N5-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.937-9.760-≤10-PASS

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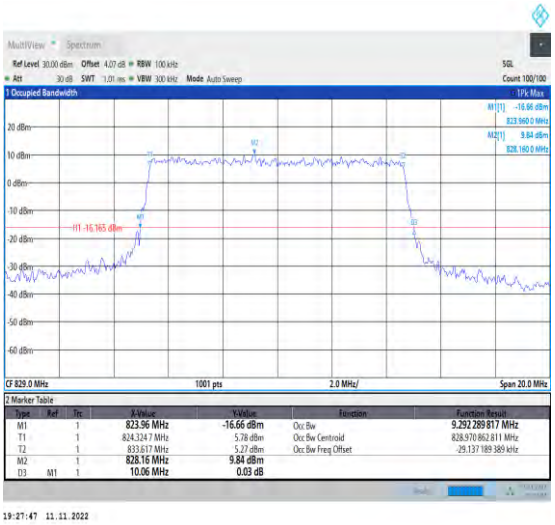

1-N5-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.921-9.660-≤10-PASS

1-N5-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.943-9.640-≤10-PASS

1-N5-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.946-9.500-≤10-PASS

1-N5-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.919-9.680-≤10-PASS

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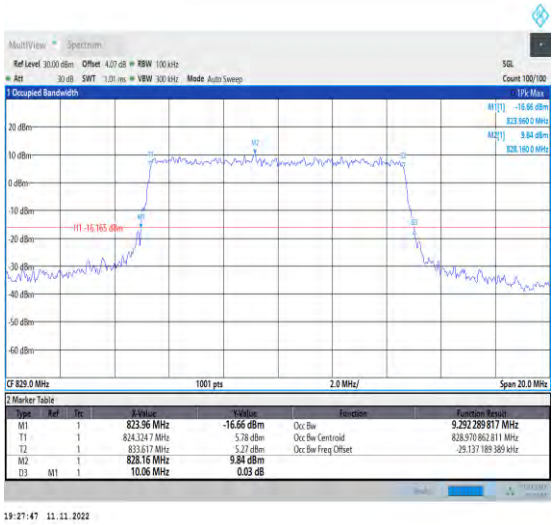
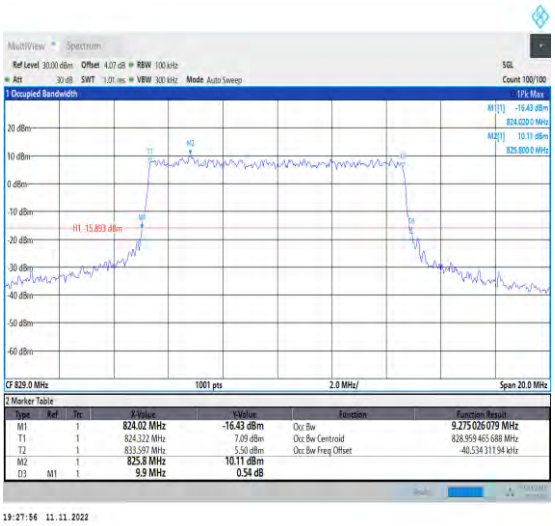
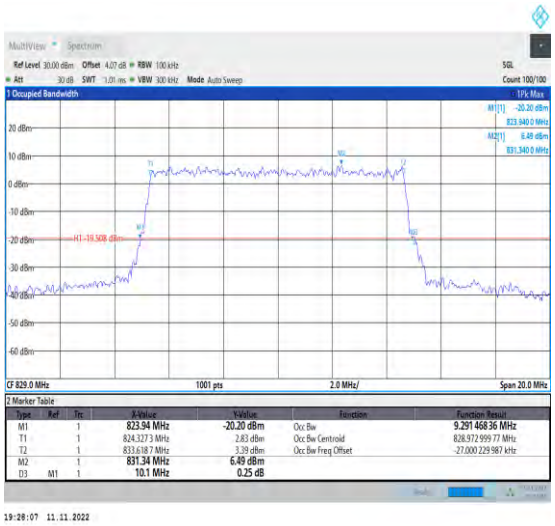


1-N5-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.292-10.060-≤10-PASS



1-N5-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.275-9.900-≤10-PASS



1-N5-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.291-10.100-≤10-PASS

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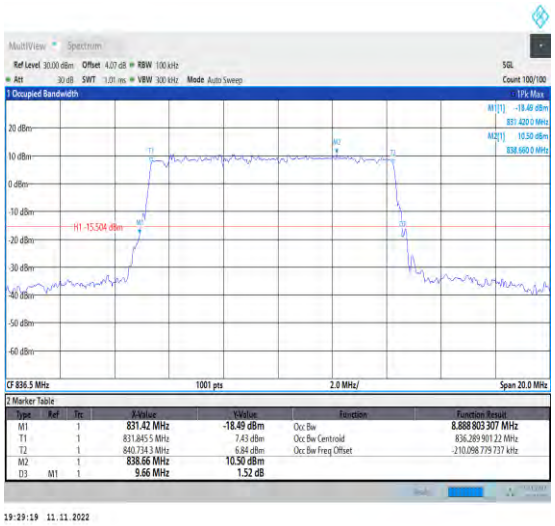
1-N5-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.912-9.700-≤10-PASS

1-N5-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.901-9.480-≤10-PASS

1-N5-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.93-9.700-≤10-PASS



1-N5-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.889-9.660-≤10-PASS

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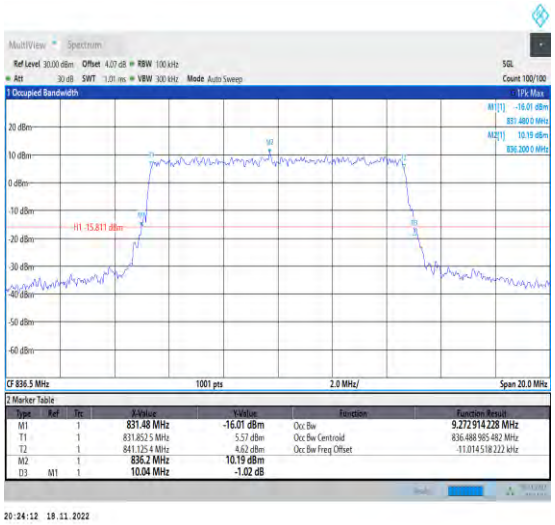
1-N5-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.909-9.620-≤10-PASS



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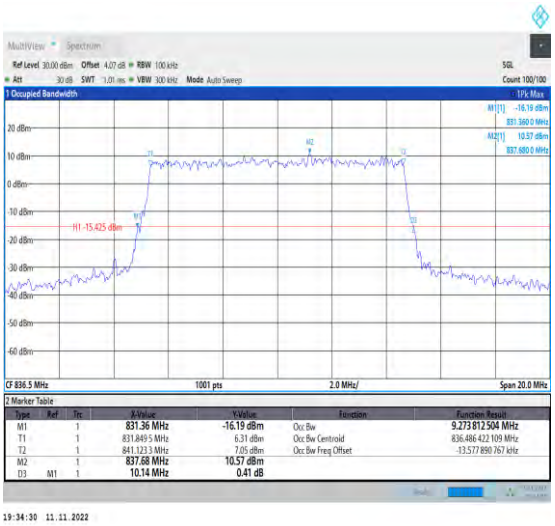

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1-N5-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.276-9.940-≤10-PASS

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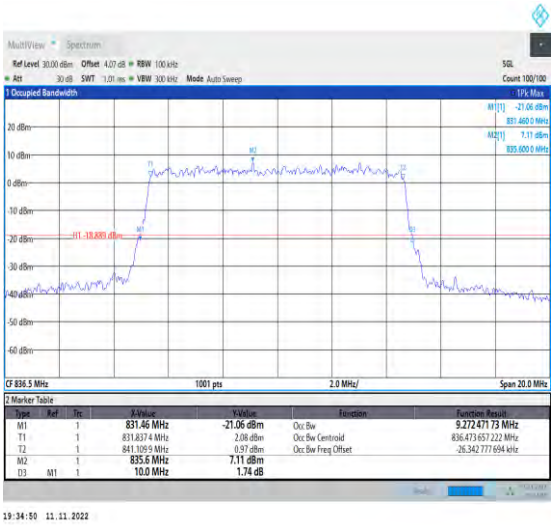

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1-N5-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.941-9.620-≤10-PASS

1-N5-PC3-15-10-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.916-9.560-≤10-PASS

1-N5-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.956-9.700-≤10-PASS

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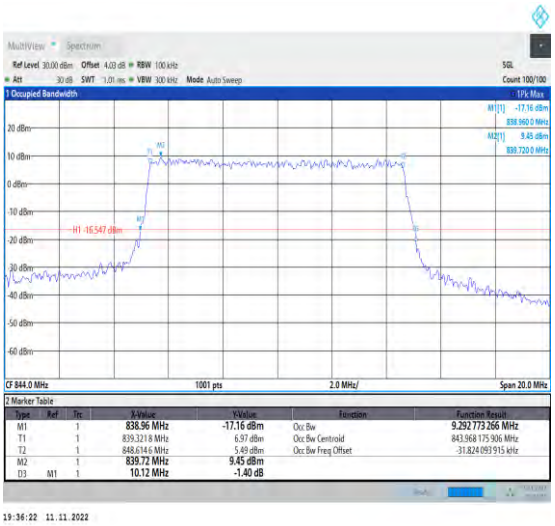
1-N5-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.951-9.580-≤10-PASS

1-N5-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.928-9.520-≤10-PASS



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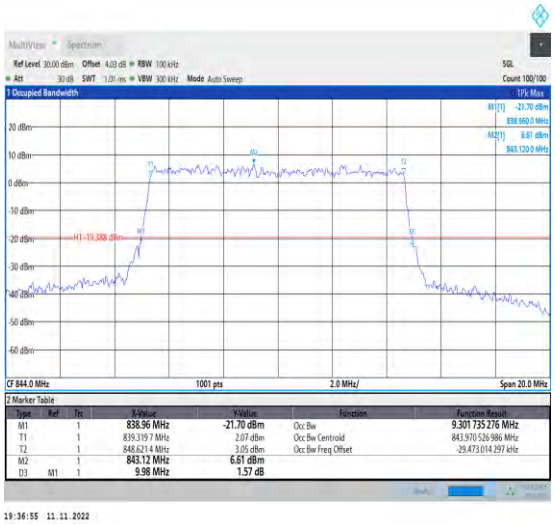

1-N5-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.302-9.980-≤10-PASS

1-N5-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.445-14.400-≤15-PASS

1-N5-PC3-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.443-14.340-≤15-PASS

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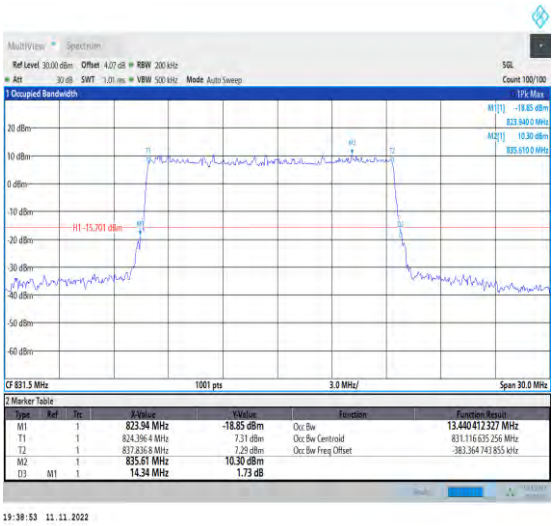
1-N5-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.471-14.400-≤15-PASS

1-N5-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.434-14.280-≤15-PASS



1-N5-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.44-14.340-≤15-PASS

1-N5-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.149-15.180-≤15-PASS

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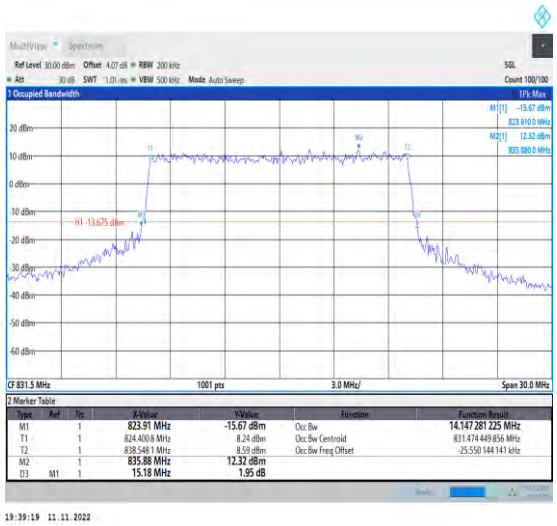

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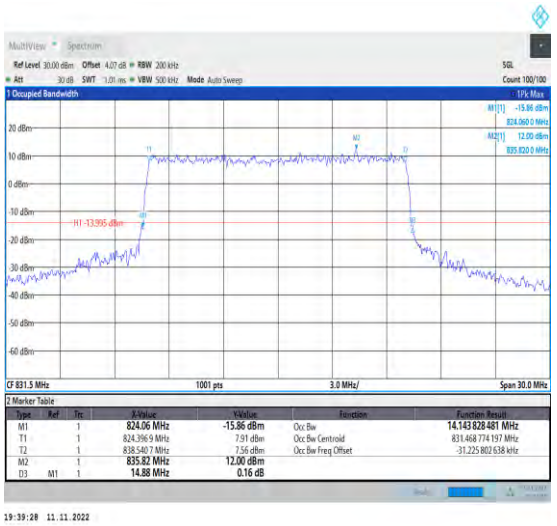

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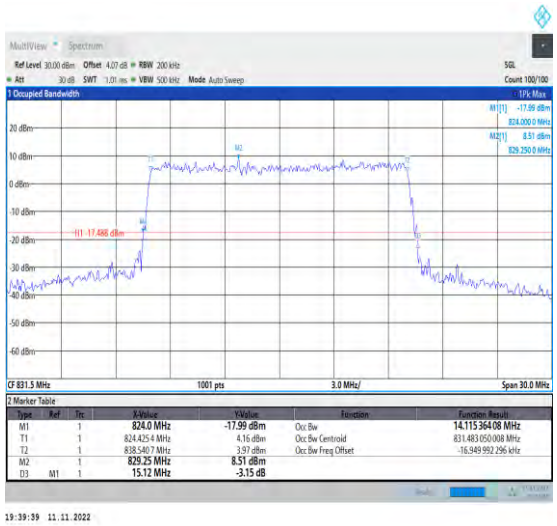

1-N5-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.115-15.120-≤15-PASS

1-N5-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.413-14.220-≤15-PASS

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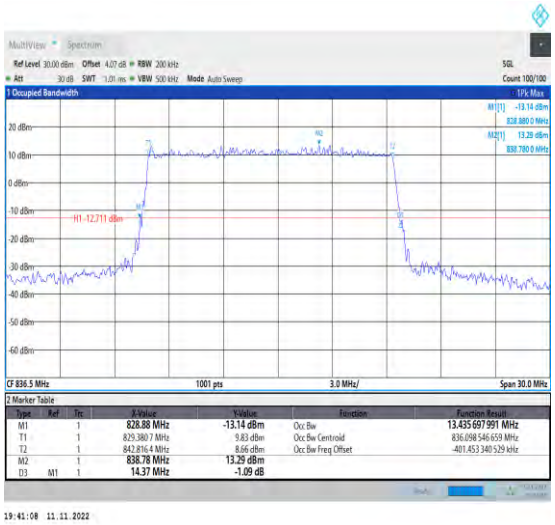
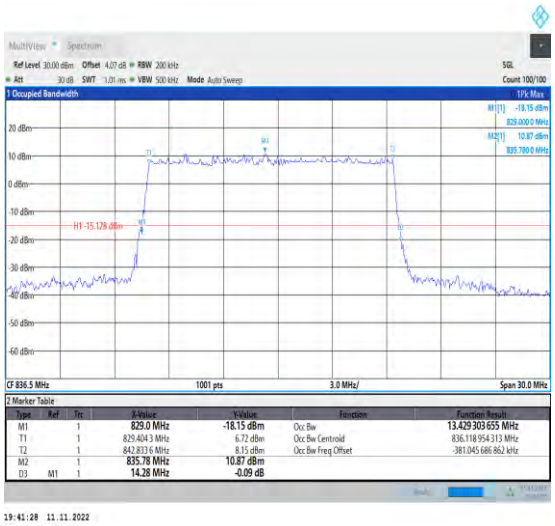
1-N5-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.409-14.160-≤15-PASS



1-N5-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.436-14.370-≤15-PASS

1-N5-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.413-14.340-≤15-PASS



1-N5-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.429-14.280-≤15-PASS

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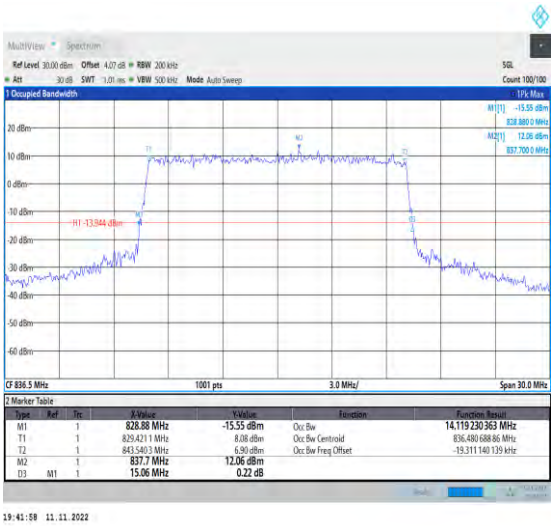
1-N5-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.09-15.090-≤15-PASS

1-N5-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.08-15.030-≤15-PASS



1-N5-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.119-15.060-≤15-PASS

1-N5-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.073-15.090-≤15-PASS

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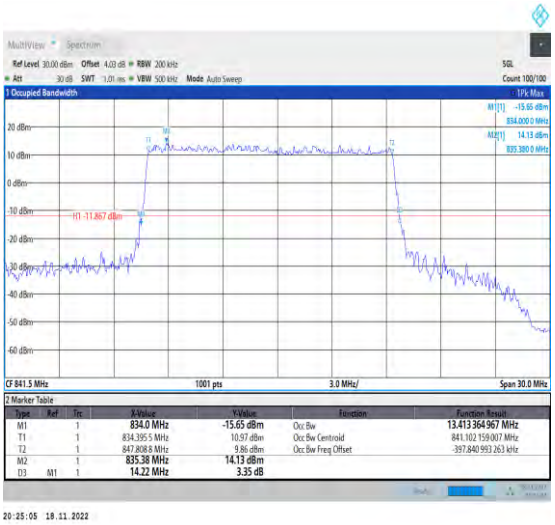

1-N5-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.413-14.220-≤15-PASS

1-N5-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.418-14.280-≤15-PASS

1-N5-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.42-14.310-≤15-PASS

1-N5-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.415-14.190-≤15-PASS

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1-N5-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.459-14.430-≤15-PASS

1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-14.097-15.090-≤15-PASS

1-N5-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant1-14.086-15.000-≤15-PASS

1-N5-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.14-15.120-≤15-PASS

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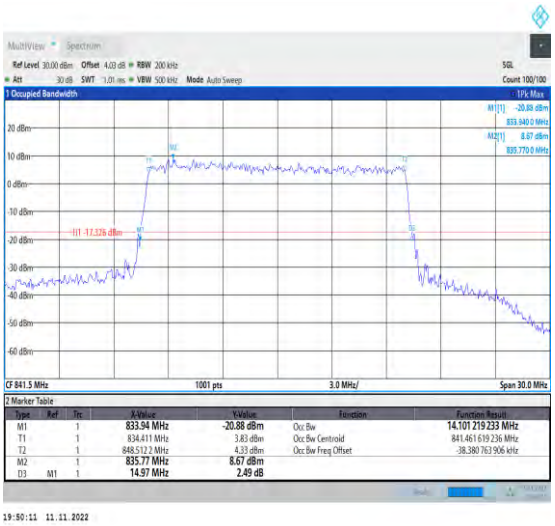

1-N5-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant1-14.101-14.970-≤15-PASS

1-N5-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.884-18.760-≤20-PASS

1-N5-PC3-15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.872-18.760-≤20-PASS

1-N5-PC3-15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.874-18.760-≤20-PASS

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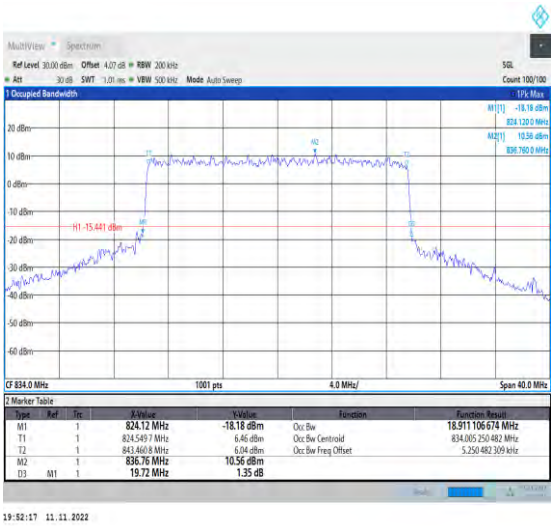
1-N5-PC3-15-20-L-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.839-18.840-≤20-PASS

1-N5-PC3-15-20-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.857-18.800-≤20-PASS



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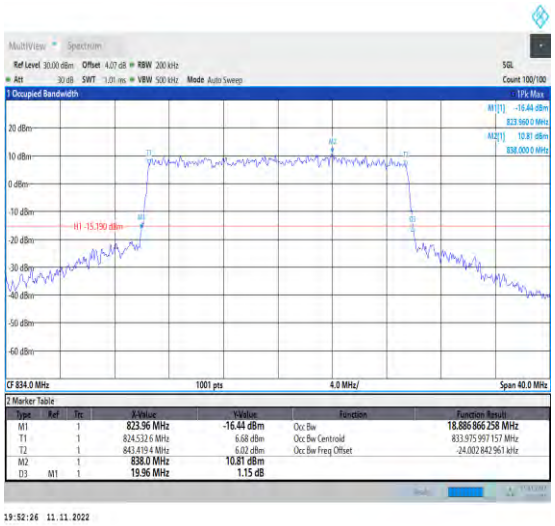

1-N5-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-Ant1-18.887-19.960-≤20-PASS

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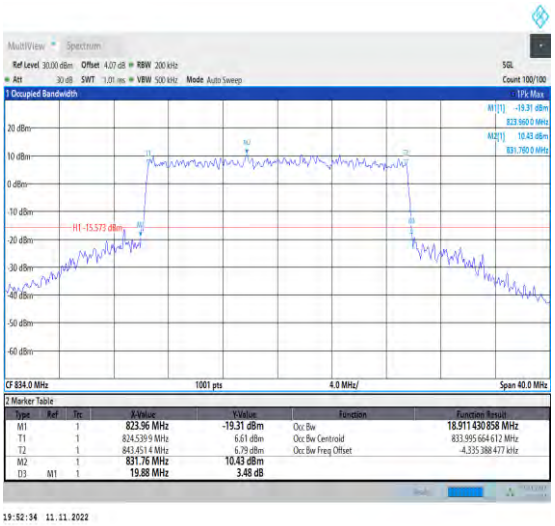

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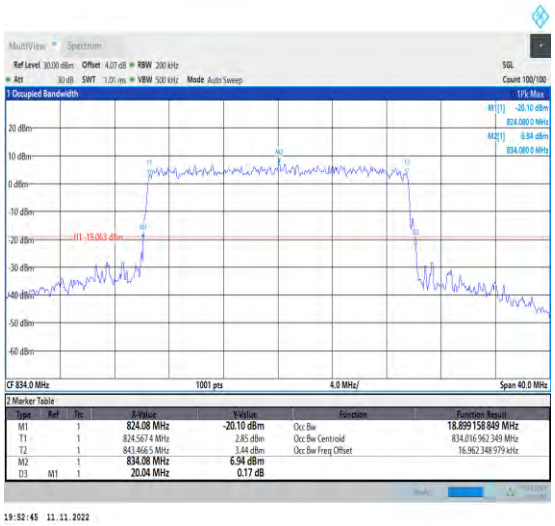

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1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.846-18.720-≤20-PASS

1-N5-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.847-18.800-≤20-PASS

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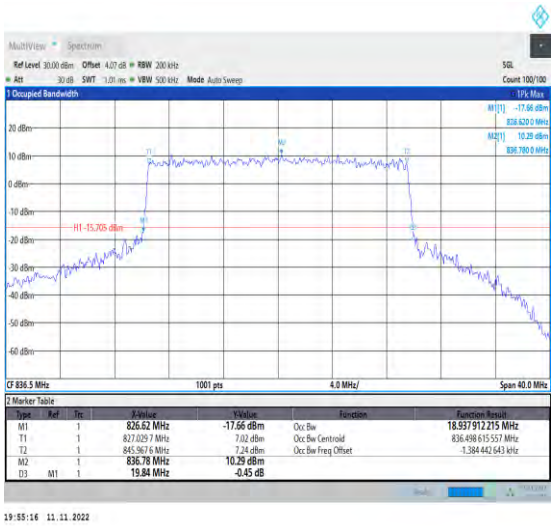
1-N5-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.85-18.720-≤20-PASS

1-N5-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.845-18.640-≤20-PASS

1-N5-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.822-18.600-≤20-PASS



1-N5-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant1-18.938-19.840-≤20-PASS

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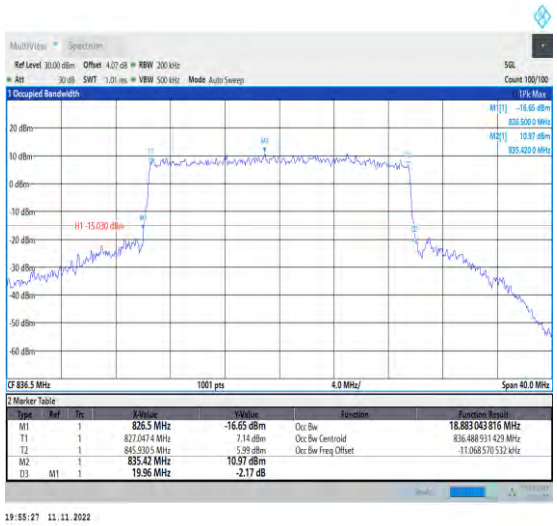

1-N5-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant1-18.883-19.960-≤20-PASS

1-N5-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant1-18.922-19.840-≤20-PASS

1-N5-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant1-18.875-19.960-≤20-PASS

1-N5-PC3-15-20-H-1-DFT-QPSK-Outer_Full-100@0-Ant1-17.851-18.840-≤20-PASS

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1-N5-PC3-15-20-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-17.81-18.720-≤20-PASS

1-N5-PC3-15-20-H-3-DFT-16QAM-Outer_Full-100@0-Ant1-17.841-18.720-≤20-PASS

1-N5-PC3-15-20-H-4-DFT-64QAM-Outer_Full-100@0-Ant1-17.844-18.680-≤20-PASS

1-N5-PC3-15-20-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-17.824-18.680-≤20-PASS

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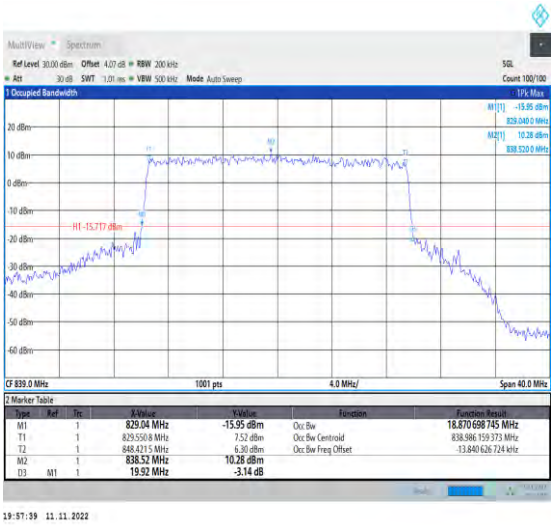

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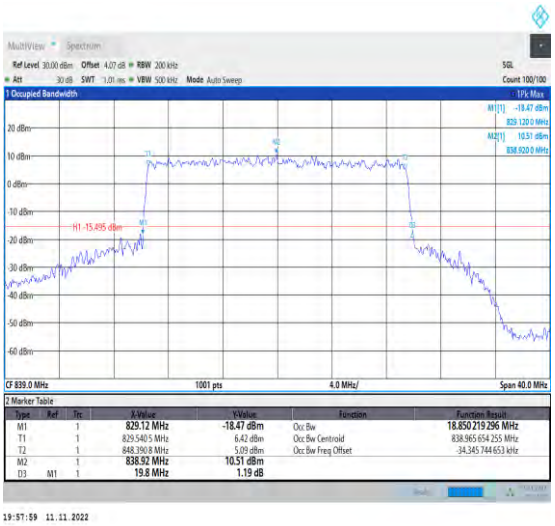

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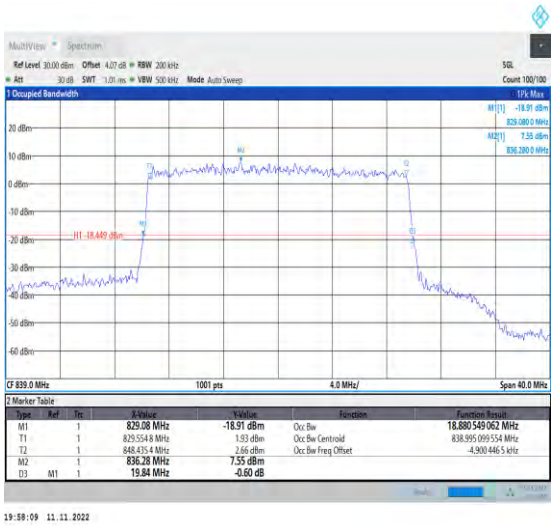

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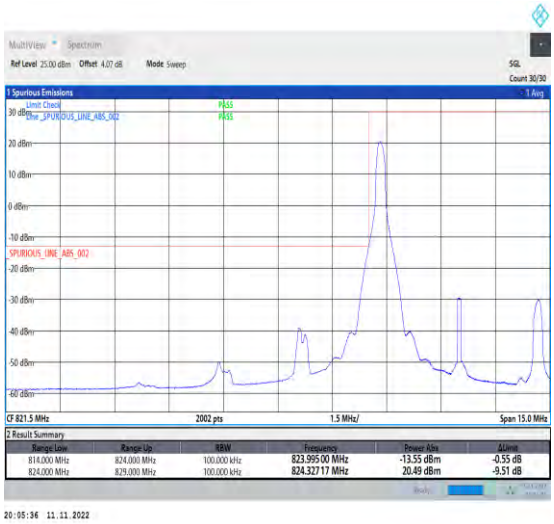
Band Edge for SA

Test Graphs



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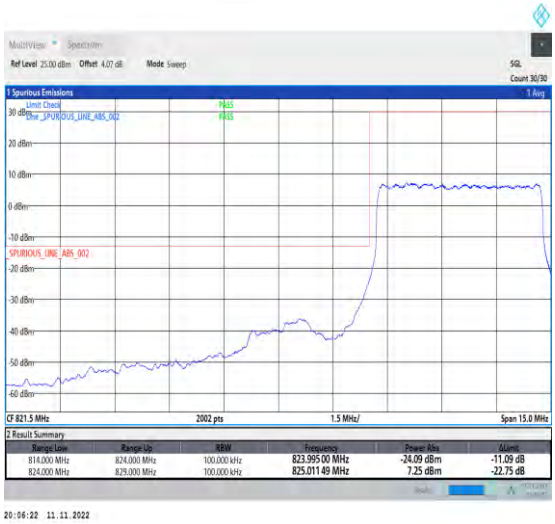

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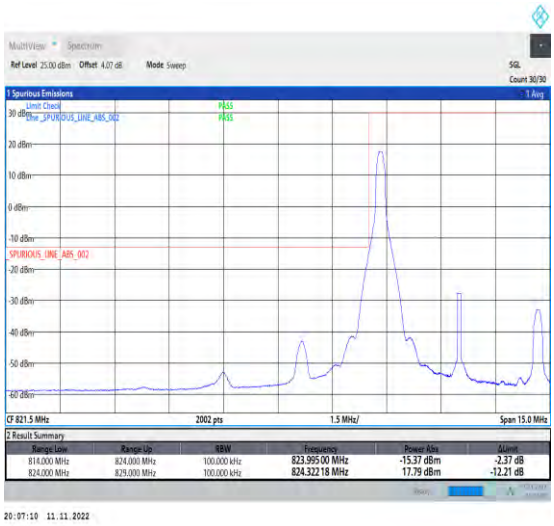

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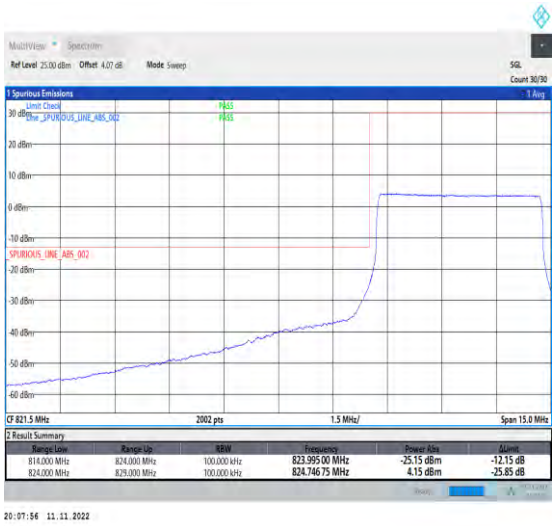

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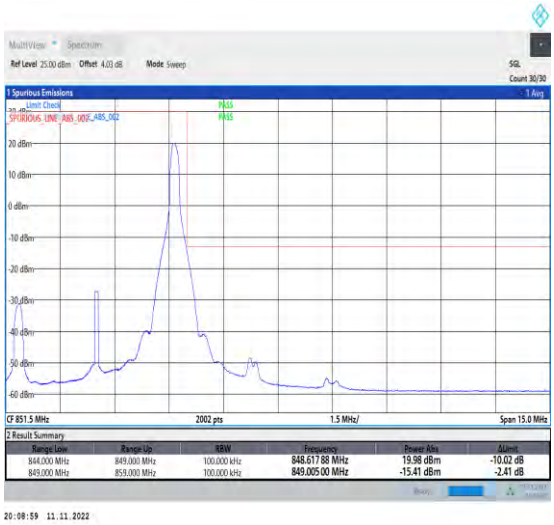

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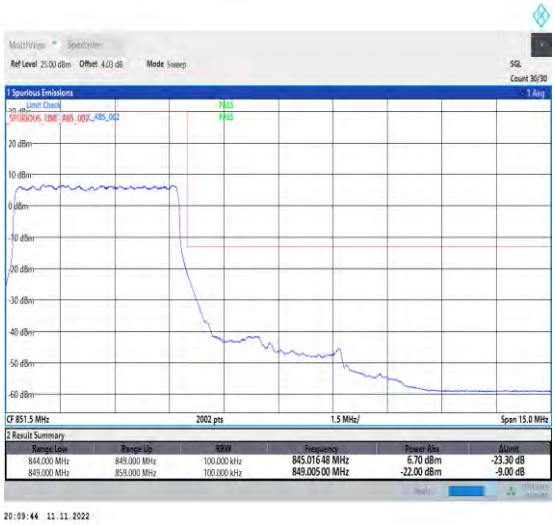

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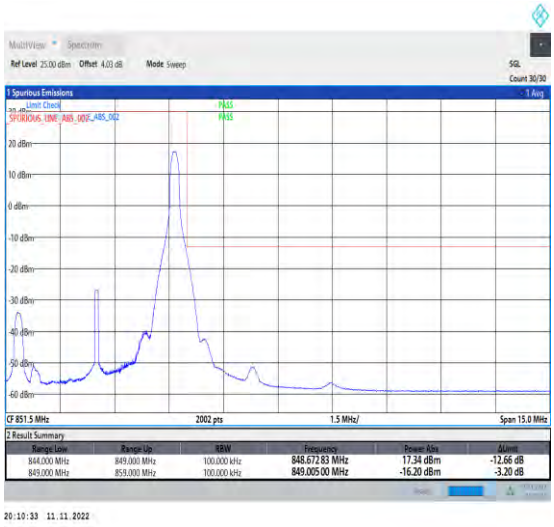

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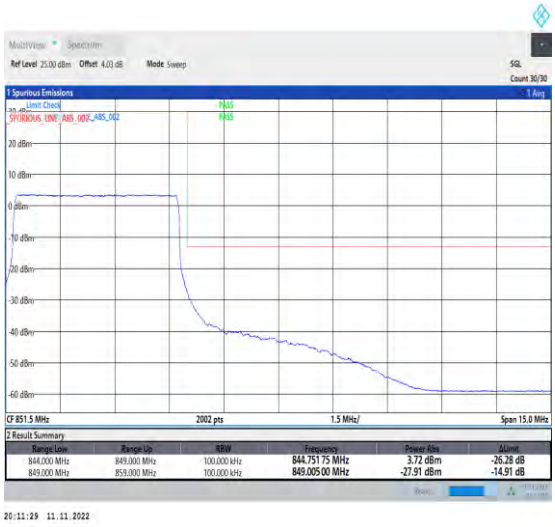

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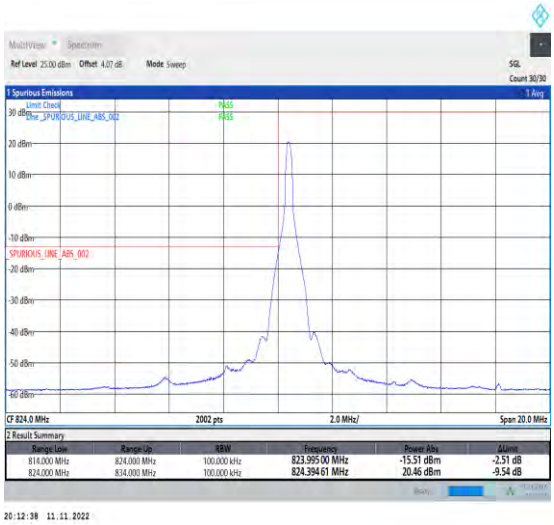

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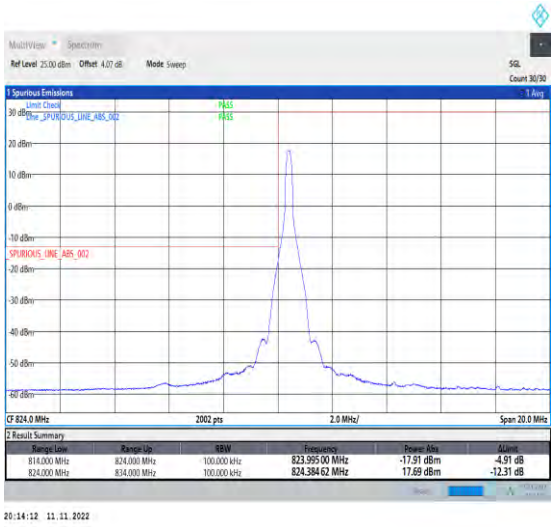

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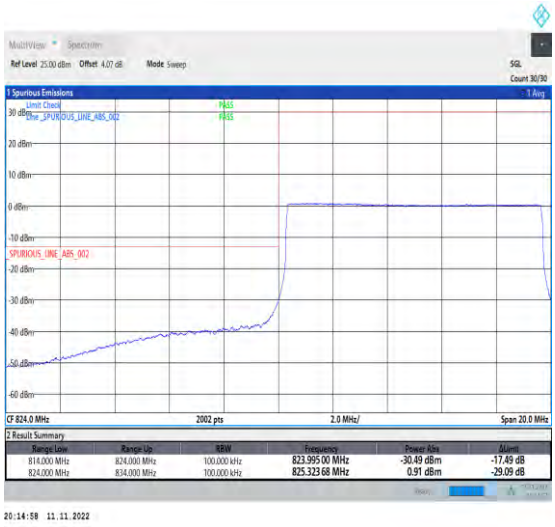

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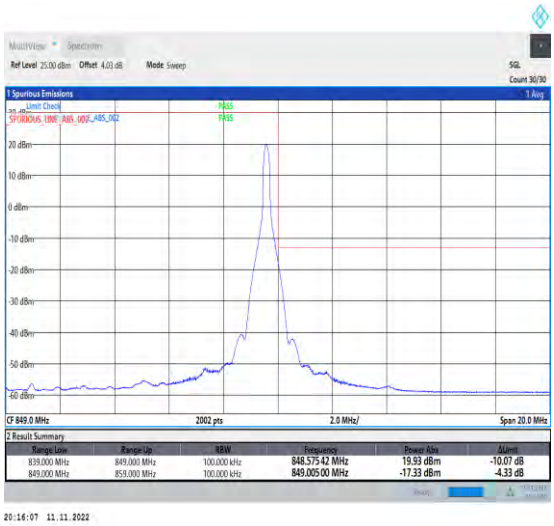

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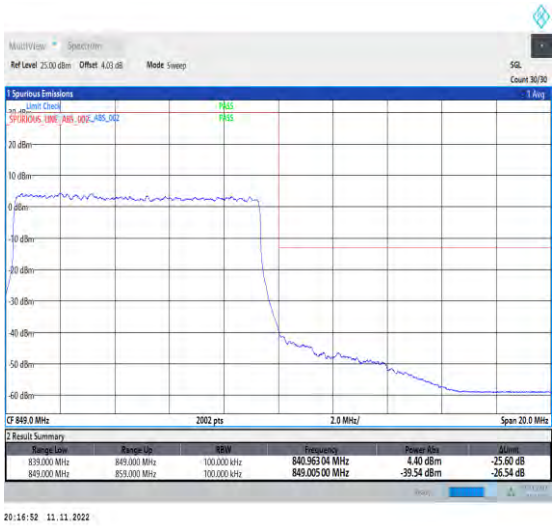

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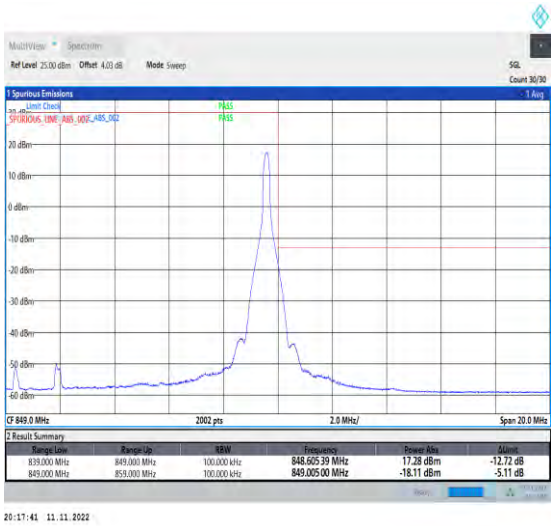

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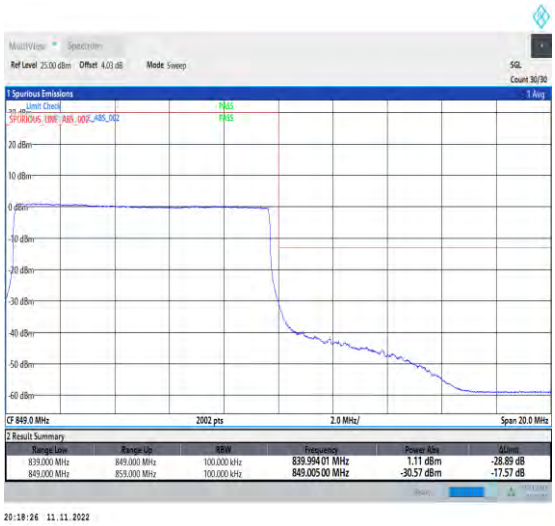

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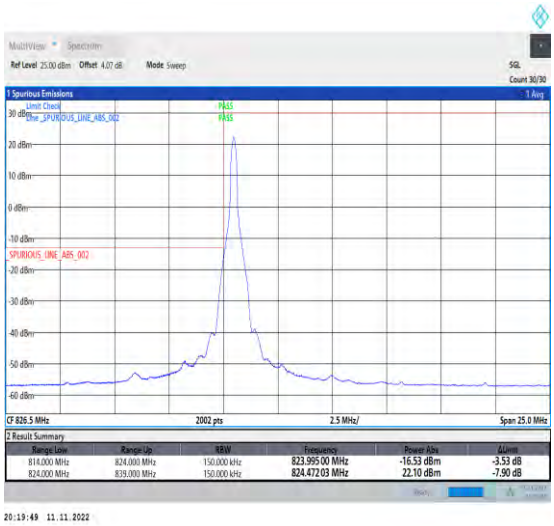

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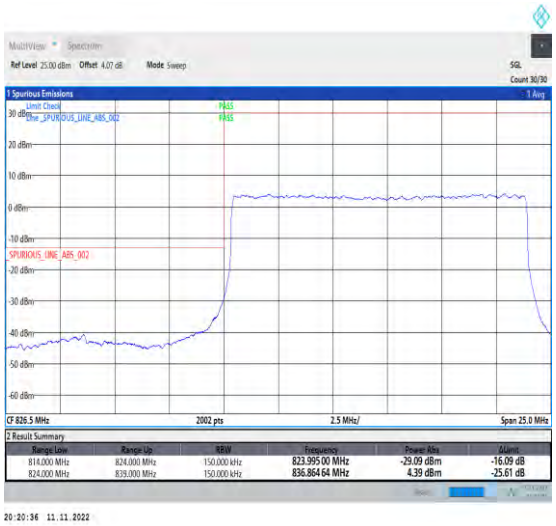

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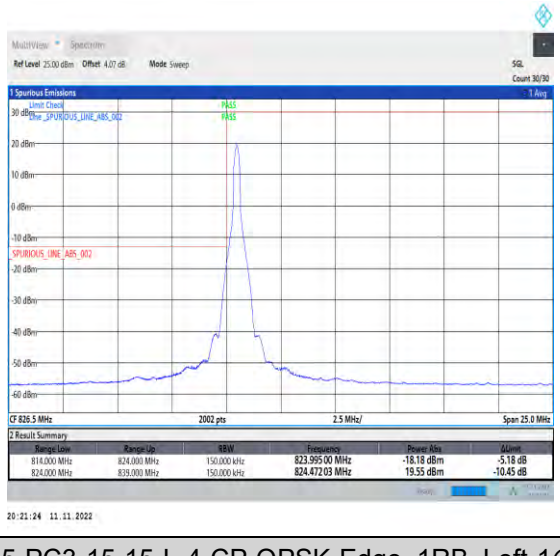

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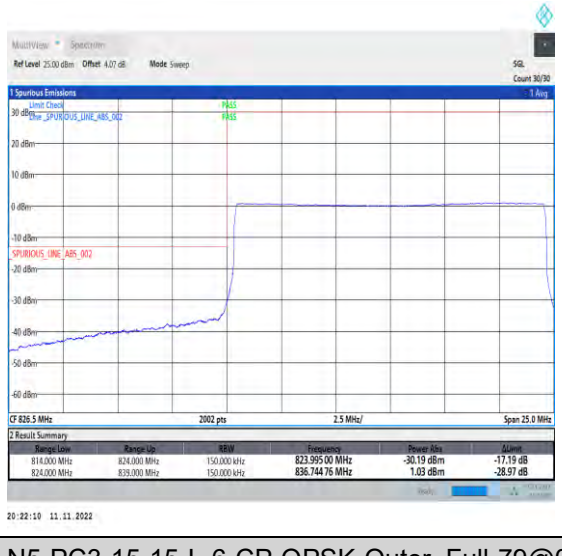

1-N5-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph

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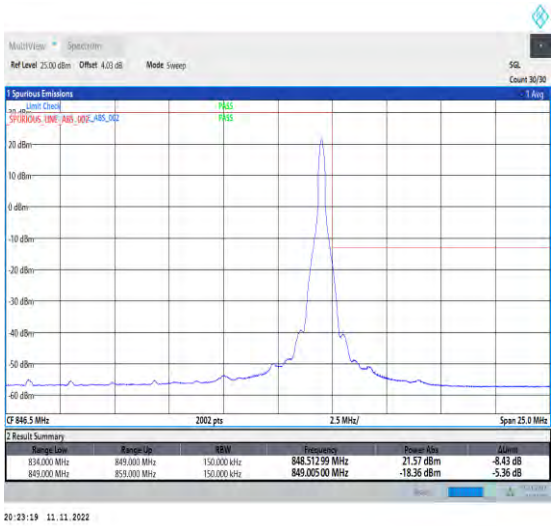

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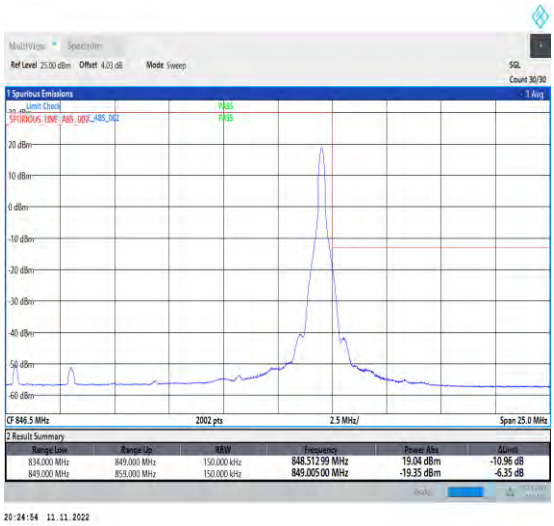

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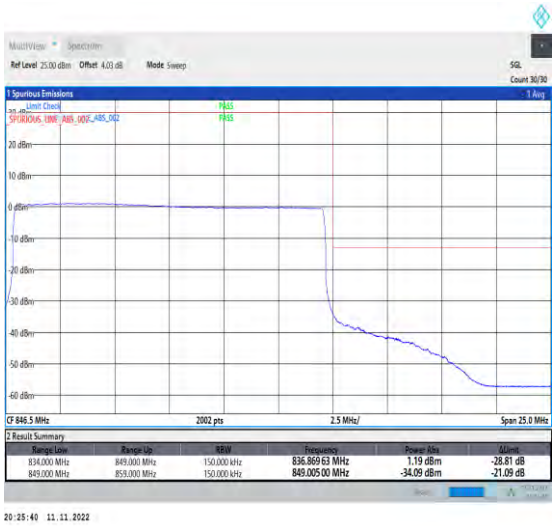

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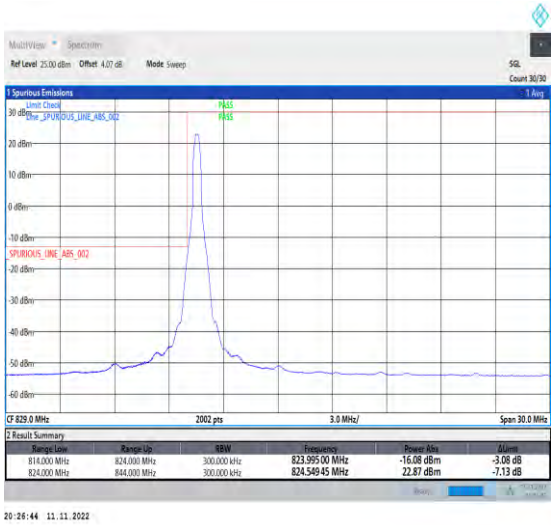

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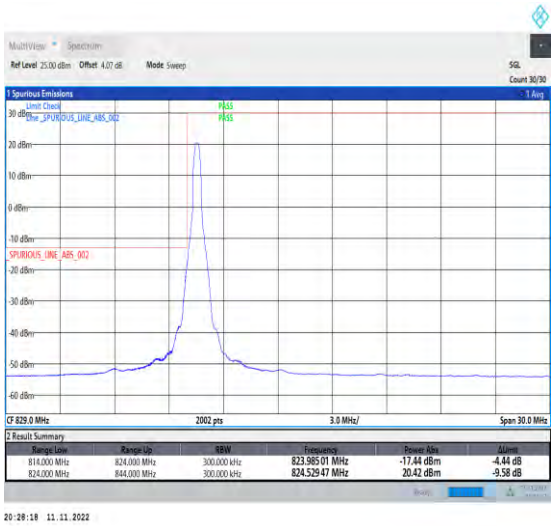

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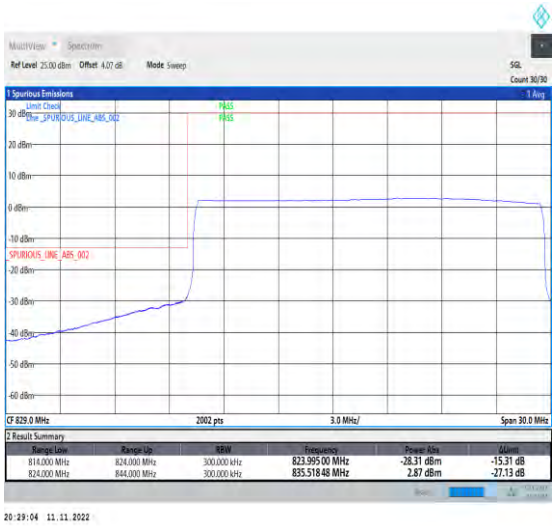

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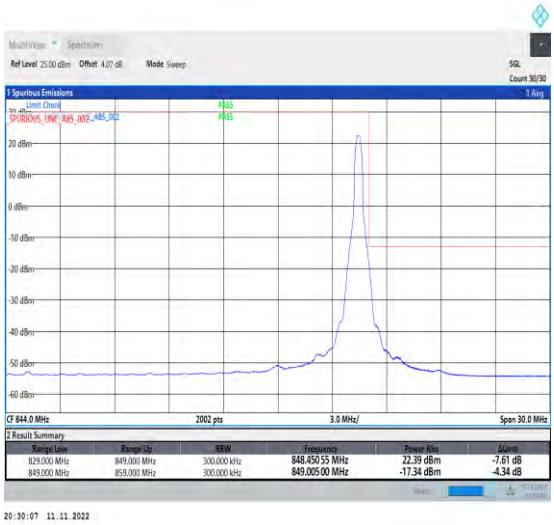

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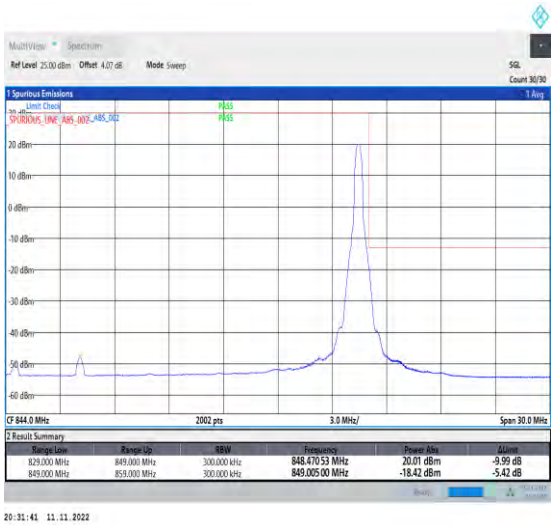

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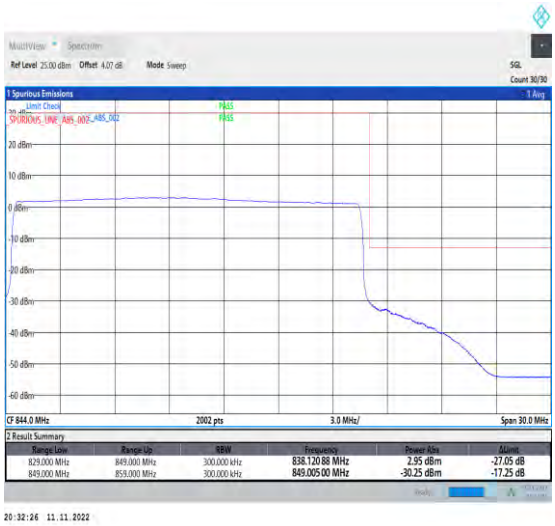

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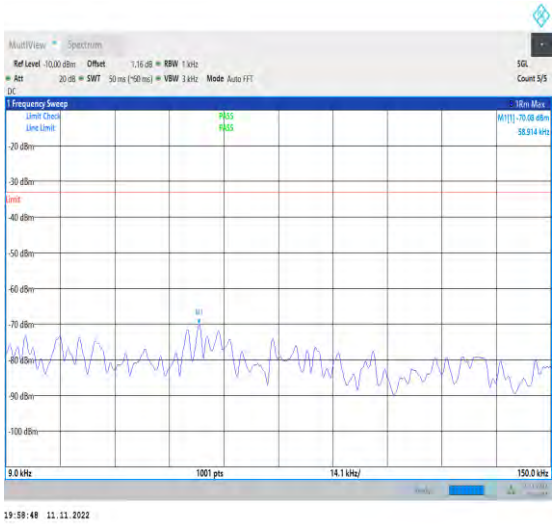
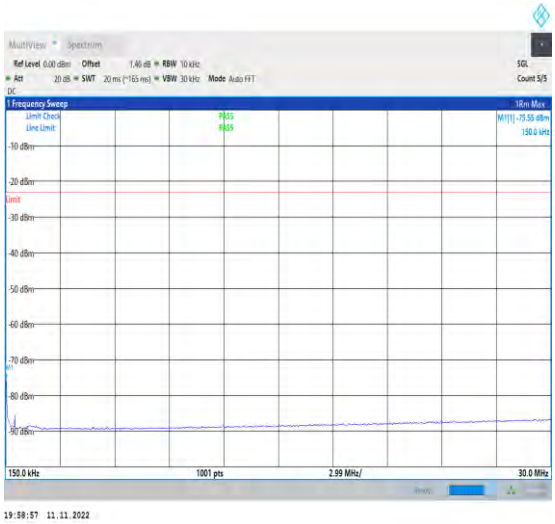
Test Graphs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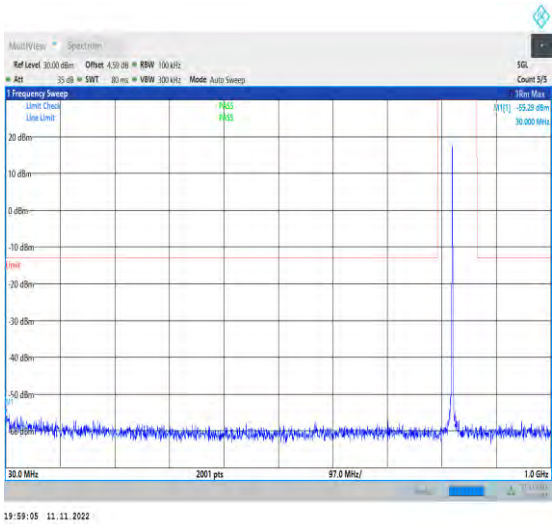	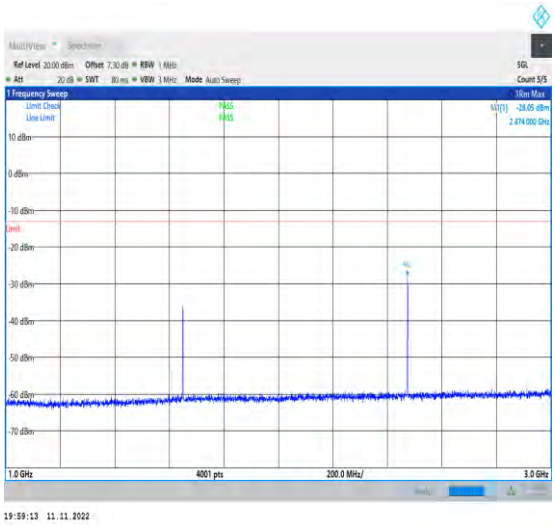
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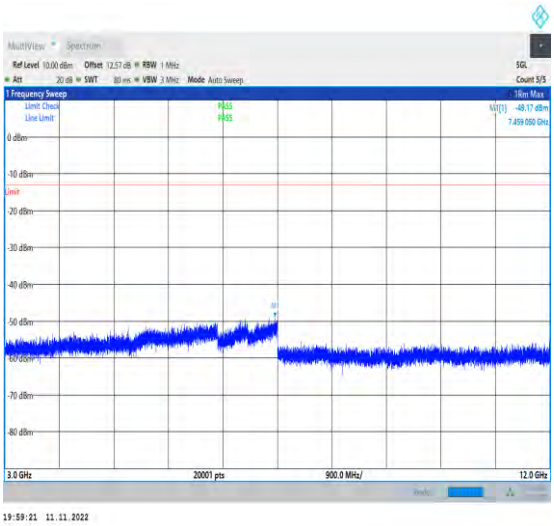

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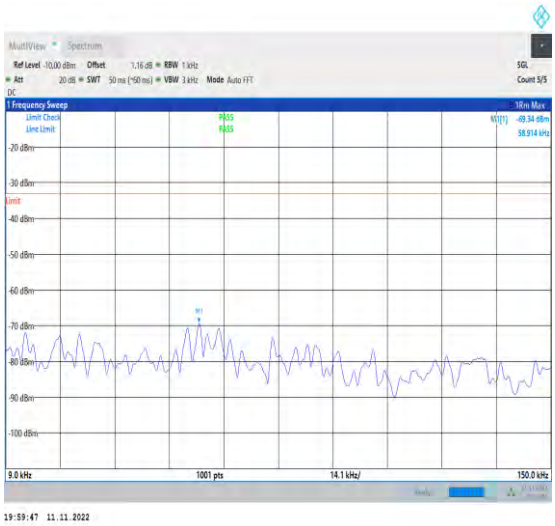

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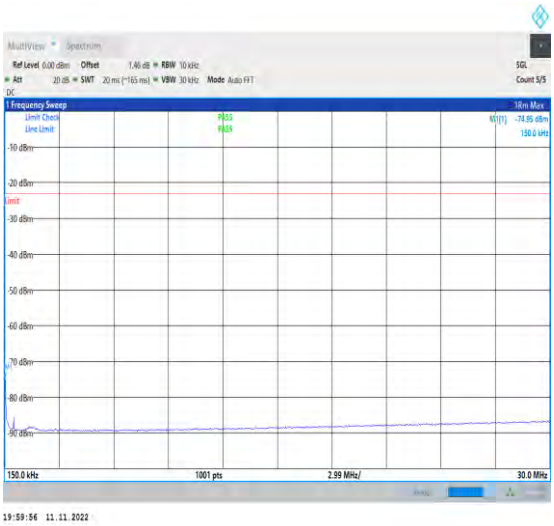

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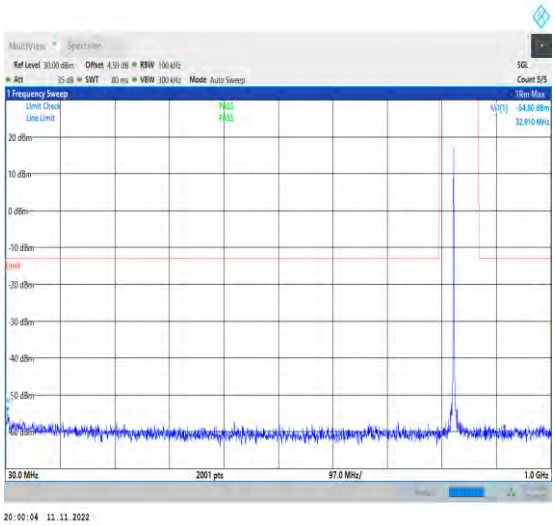

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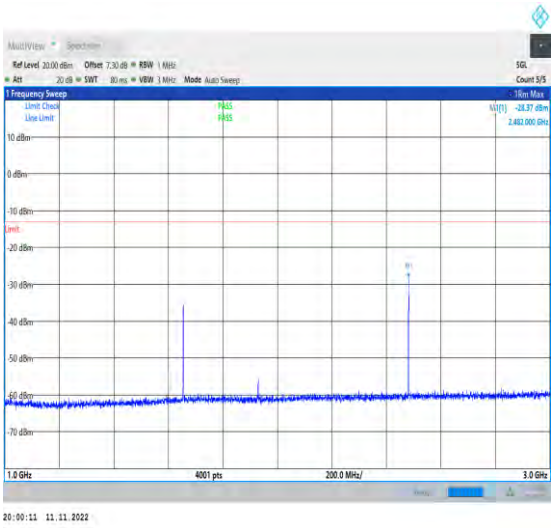

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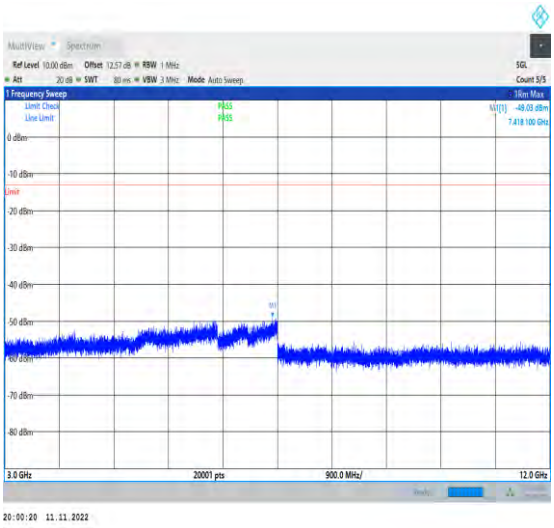

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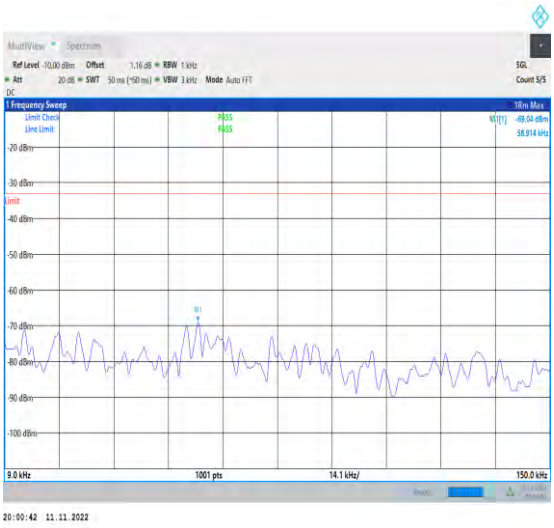
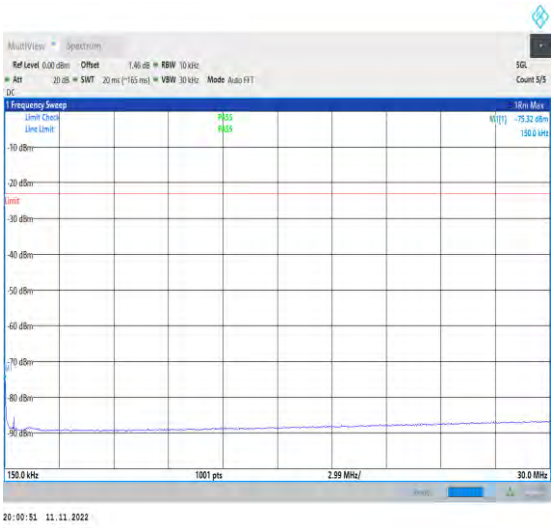


1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.06--69.04--33-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--75.32--23-PASS

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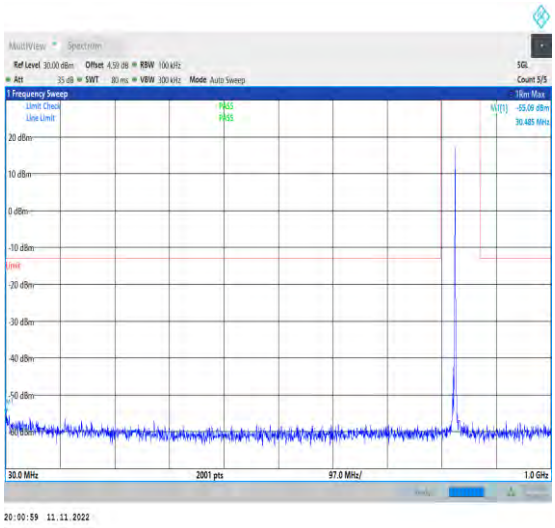

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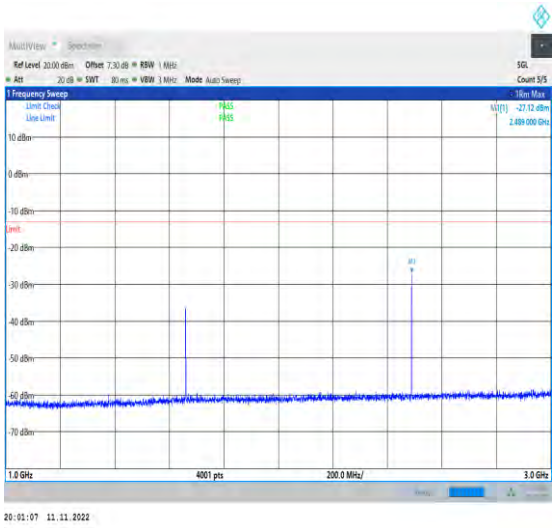

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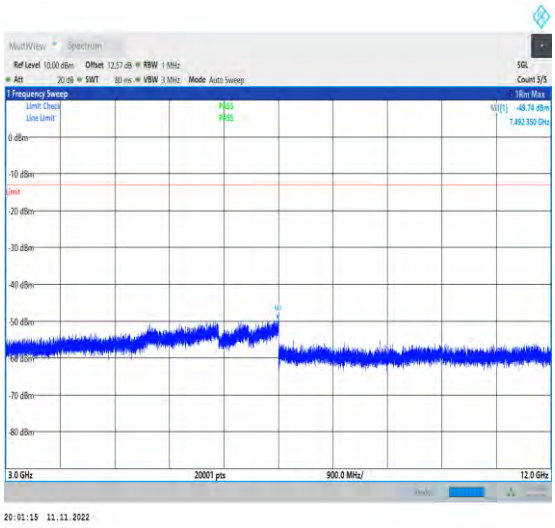

1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-7492.35--49.74--13-PASS

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Field Strength of Spurious Radiation

Test Band = SA Band 5_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649	64.40	-48.38	25.58	-53.67	-13.00	40.67	196	346	Horizontal
2	2473.5	50.18	-46.97	27.85	-64.20	-13.00	51.20	254	142	Horizontal
3	3298.5	49.23	-46.11	29.48	-62.66	-13.00	49.66	142	346	Horizontal
4	4122.5	48.55	-45.34	30.80	-61.26	-13.00	48.26	263	331	Horizontal
5	4950.54	40.13	-45.08	32.48	-67.73	-13.00	54.73	241	302	Horizontal
6	5775.63	38.74	-43.52	33.48	-66.56	-13.00	53.56	185	316	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649	60.99	-48.38	25.58	-57.08	-13.00	44.08	296	348	Vertical
2	2473.5	54.61	-46.97	27.85	-59.77	-13.00	46.77	265	295	Vertical
3	3298	54.04	-46.11	29.48	-57.85	-13.00	44.85	284	175	Vertical
4	4123	51.16	-45.34	30.80	-58.64	-13.00	45.64	142	88	Vertical
5	4947.5	45.49	-45.08	32.47	-62.38	-13.00	49.38	255	249	Vertical
6	5775.63	38.79	-43.52	33.48	-66.51	-13.00	53.51	263	88	Vertical

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Test Band = SA Band 5_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654	64.19	-48.37	25.57	-53.87	-13.00	40.87	296	332	Horizontal
2	2481	53.34	-46.90	27.86	-60.96	-13.00	47.96	265	154	Horizontal
3	3308	50.57	-46.12	29.48	-61.34	-13.00	48.34	241	332	Horizontal
4	4135	46.47	-45.31	30.82	-63.28	-13.00	50.28	142	1	Horizontal
5	4965.54	39.84	-45.06	32.52	-67.96	-13.00	54.96	255	1	Horizontal
6	5793.13	39.93	-43.51	33.54	-65.30	-13.00	52.30	263	245	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654	63.35	-48.37	25.57	-54.71	-13.00	41.71	196	346	Vertical
2	2481	55.42	-46.90	27.86	-58.88	-13.00	45.88	265	262	Vertical
3	3308	54.01	-46.12	29.48	-57.90	-13.00	44.90	241	354	Vertical
4	4135	50.33	-45.31	30.82	-59.42	-13.00	46.42	142	143	Vertical
5	4962.5	45.40	-45.06	32.51	-62.41	-13.00	49.41	255	143	Vertical
6	5793.13	38.97	-43.51	33.54	-66.26	-13.00	53.26	263	360	Vertical

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Test Band = SA Band 5_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1659	66.24	-48.35	25.57	-51.80	-13.00	38.80	296	5	Horizontal
2	2488.5	52.11	-46.84	27.88	-62.11	-13.00	49.11	265	154	Horizontal
3	3318	50.13	-46.14	29.47	-61.80	-13.00	48.80	241	345	Horizontal
4	4147.5	48.41	-45.27	30.84	-61.28	-13.00	48.28	112	331	Horizontal
5	4980.54	39.73	-45.04	32.55	-68.01	-13.00	55.01	263	5	Horizontal
6	5810.63	39.86	-43.48	33.60	-65.28	-13.00	52.28	221	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1659	61.50	-48.35	25.57	-56.54	-13.00	43.54	185	162	Vertical
2	2488.5	56.01	-46.84	27.88	-58.21	-13.00	45.21	263	102	Vertical
3	3318	51.83	-46.14	29.47	-60.10	-13.00	47.10	265	191	Vertical
4	4147.5	49.33	-45.27	30.84	-60.36	-13.00	47.36	142	145	Vertical
5	4977.5	45.71	-45.04	32.55	-62.05	-13.00	49.05	263	86	Vertical
6	5810.63	39.79	-43.48	33.60	-65.35	-13.00	52.35	221	131	Vertical

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Test Band = DC_13A_n5A_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649	60.45	-48.38	25.58	-57.62	-13.00	44.62	296	314	Horizontal
2	2480	56.62	-46.91	27.86	-57.69	-13.00	44.69	265	271	Horizontal
3	3300.36	42.21	-46.11	29.48	-69.68	-13.00	56.68	241	211	Horizontal
4	4125.45	41.28	-45.33	30.80	-68.51	-13.00	55.51	142	93	Horizontal
5	4950.54	40.59	-45.08	32.48	-67.27	-13.00	54.27	255	138	Horizontal
6	5775.63	40.29	-43.52	33.48	-65.01	-13.00	52.01	286	64	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649	62.20	-48.38	25.58	-55.87	-13.00	42.87	196	296	Vertical
2	2473.5	55.00	-46.97	27.85	-59.38	-13.00	46.38	265	310	Vertical
3	3298	52.08	-46.11	29.48	-59.81	-13.00	46.81	255	44	Vertical
4	4122.5	48.68	-45.34	30.80	-61.13	-13.00	48.13	263	325	Vertical
5	4947.5	45.22	-45.08	32.47	-62.65	-13.00	49.65	142	325	Vertical
6	5775.63	39.39	-43.52	33.48	-65.91	-13.00	52.91	263	219	Vertical

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Test Band = DC_13A_n5A_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654	61.74	-48.37	25.57	-56.32	-13.00	43.32	296	318	Horizontal
2	2534.5	54.45	-46.91	28.02	-59.71	-13.00	46.71	265	155	Horizontal
3	3310.36	42.35	-46.13	29.48	-69.56	-13.00	56.56	284	37	Horizontal
4	4137.95	41.15	-45.30	30.82	-68.59	-13.00	55.59	142	332	Horizontal
5	4965.54	40.25	-45.06	32.52	-67.55	-13.00	54.55	255	288	Horizontal
6	5793.13	40.00	-43.51	33.54	-65.23	-13.00	52.23	263	94	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1654	58.06	-48.37	25.57	-60.00	-13.00	47.00	196	279	Vertical
2	2481	53.21	-46.90	27.86	-61.09	-13.00	48.09	265	264	Vertical
3	3308	49.37	-46.12	29.48	-62.54	-13.00	49.54	284	14	Vertical
4	4135	47.20	-45.31	30.82	-62.55	-13.00	49.55	142	14	Vertical
5	4962.5	44.21	-45.06	32.51	-63.60	-13.00	50.60	255	322	Vertical
6	5793.13	39.86	-43.51	33.54	-65.37	-13.00	52.37	263	279	Vertical

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Test Band = DC_13A_n5A_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1659	60.85	-48.35	25.57	-57.19	-13.00	44.19	296	322	Horizontal
2	2488.5	52.76	-46.84	27.88	-61.46	-13.00	48.46	265	217	Horizontal
3	3318	49.51	-46.14	29.47	-62.42	-13.00	49.42	241	174	Horizontal
4	4147.5	45.48	-45.27	30.84	-64.21	-13.00	51.21	142	322	Horizontal
5	4980.54	40.42	-45.04	32.55	-67.32	-13.00	54.32	263	291	Horizontal
6	5810.63	40.18	-43.48	33.60	-64.96	-13.00	51.96	211	348	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1659	61.78	-48.35	25.57	-56.26	-13.00	43.26	296	274	Vertical
2	2488.5	52.12	-46.84	27.88	-62.10	-13.00	49.10	265	289	Vertical
3	3318	52.97	-46.14	29.47	-58.96	-13.00	45.96	284	25	Vertical
4	4147.5	50.94	-45.27	30.84	-58.75	-13.00	45.75	142	260	Vertical
5	4977.5	45.84	-45.04	32.55	-61.92	-13.00	48.92	255	289	Vertical
6	5810.63	40.04	-43.48	33.60	-65.10	-13.00	52.10	286	318	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)	Limit (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.700000	0.000837	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.000000	-0.002391	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	4.500000	0.005380	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	2.400000	0.002869	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	2.600000	0.003108	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	39.000000	0.046623	±2.5	PASS

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Frequency Error VS. Temperature

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	3.400000	0.004065	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.800000	0.004543	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.900000	0.007053	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	2.200000	0.002630	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	4.200000	0.005021	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.300000	-0.001554	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	6.900000	0.008249	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	7.800000	0.009325	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	2.700000	0.003228	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	11.600000	0.013867	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	5.500000	0.006575	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	12.400000	0.014824	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	6.700000	0.008010	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	6.200000	0.007412	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	9.200000	0.010998	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	2.300000	0.002750	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	9.900000	0.011835	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	2.200000	0.002630	±2.5	PASS

---End of Attachment---

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