

Contents

1. Effective (Isotropic) Radiated Power Output Data for SA.....	2
2. Peak-to-Average Ratio for SA	7
3. 26dB Bandwidth and Occupied Bandwidth for SA	9
4. Band Edge for SA	17
5. Conducted Spurious Emission for SA.....	23
6. Frequency Stability for SA.....	27
7. Field Strength of Spurious Radiation	29

1. Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.85	23.7	38.5	PASS
N5	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.75	23.6	38.5	PASS
N5	15	5	DFT-PI2BPSK	L	Outer_Full	23.82	23.67	38.5	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Left	23.73	23.58	38.5	PASS
N5	15	5	DFT-QPSK	L	Inner_1RB_Right	23.72	23.57	38.5	PASS
N5	15	5	DFT-QPSK	L	Outer_Full	23.79	23.64	38.5	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Left	23.36	23.21	38.5	PASS
N5	15	5	DFT-16QAM	L	Inner_1RB_Right	23.15	23	38.5	PASS
N5	15	5	DFT-16QAM	L	Outer_Full	22.81	22.66	38.5	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Left	22.46	22.31	38.5	PASS
N5	15	5	DFT-64QAM	L	Inner_1RB_Right	22.21	22.06	38.5	PASS
N5	15	5	DFT-64QAM	L	Outer_Full	22.36	22.21	38.5	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Left	20.3	20.15	38.5	PASS
N5	15	5	DFT-256QAM	L	Inner_1RB_Right	20.44	20.29	38.5	PASS
N5	15	5	DFT-256QAM	L	Outer_Full	20.32	20.17	38.5	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.73	23.58	38.5	PASS
N5	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.69	23.54	38.5	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	23.78	23.63	38.5	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Left	23.64	23.49	38.5	PASS
N5	15	5	DFT-QPSK	M	Inner_1RB_Right	23.6	23.45	38.5	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	23.73	23.58	38.5	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Left	23.56	23.41	38.5	PASS
N5	15	5	DFT-16QAM	M	Inner_1RB_Right	23.35	23.2	38.5	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	22.69	22.54	38.5	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Left	22.34	22.19	38.5	PASS
N5	15	5	DFT-64QAM	M	Inner_1RB_Right	22.13	21.98	38.5	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	22.23	22.08	38.5	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Left	20.33	20.18	38.5	PASS
N5	15	5	DFT-256QAM	M	Inner_1RB_Right	20.21	20.06	38.5	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	20.23	20.08	38.5	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.86	23.71	38.5	PASS
N5	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.88	23.73	38.5	PASS
N5	15	5	DFT-PI2BPSK	H	Outer_Full	23.77	23.62	38.5	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Left	23.77	23.62	38.5	PASS
N5	15	5	DFT-QPSK	H	Inner_1RB_Right	23.78	23.63	38.5	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	23.72	23.57	38.5	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Left	23.44	23.29	38.5	PASS
N5	15	5	DFT-16QAM	H	Inner_1RB_Right	23.26	23.11	38.5	PASS

N5	15	5	DFT-16QAM	H	Outer_Full	22.76	22.61	38.5	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Left	22.29	22.14	38.5	PASS
N5	15	5	DFT-64QAM	H	Inner_1RB_Right	22.47	22.32	38.5	PASS
N5	15	5	DFT-64QAM	H	Outer_Full	22.29	22.14	38.5	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Left	20.31	20.16	38.5	PASS
N5	15	5	DFT-256QAM	H	Inner_1RB_Right	20.25	20.1	38.5	PASS
N5	15	5	DFT-256QAM	H	Outer_Full	20.34	20.19	38.5	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.79	23.64	38.5	PASS
N5	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.85	23.7	38.5	PASS
N5	15	10	DFT-PI2BPSK	L	Outer_Full	23.82	23.67	38.5	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Left	23.82	23.67	38.5	PASS
N5	15	10	DFT-QPSK	L	Inner_1RB_Right	23.73	23.58	38.5	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	23.78	23.63	38.5	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Left	23.42	23.27	38.5	PASS
N5	15	10	DFT-16QAM	L	Inner_1RB_Right	23.25	23.1	38.5	PASS
N5	15	10	DFT-16QAM	L	Outer_Full	22.78	22.63	38.5	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Left	22.19	22.04	38.5	PASS
N5	15	10	DFT-64QAM	L	Inner_1RB_Right	22.28	22.13	38.5	PASS
N5	15	10	DFT-64QAM	L	Outer_Full	22.31	22.16	38.5	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Left	20.23	20.08	38.5	PASS
N5	15	10	DFT-256QAM	L	Inner_1RB_Right	20.24	20.09	38.5	PASS
N5	15	10	DFT-256QAM	L	Outer_Full	20.27	20.12	38.5	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.83	23.68	38.5	PASS
N5	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.74	23.59	38.5	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	23.75	23.6	38.5	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Left	23.57	23.42	38.5	PASS
N5	15	10	DFT-QPSK	M	Inner_1RB_Right	23.69	23.54	38.5	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	23.76	23.61	38.5	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Left	23.24	23.09	38.5	PASS
N5	15	10	DFT-16QAM	M	Inner_1RB_Right	23.19	23.04	38.5	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	22.78	22.63	38.5	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Left	22.13	21.98	38.5	PASS
N5	15	10	DFT-64QAM	M	Inner_1RB_Right	22.24	22.09	38.5	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	22.27	22.12	38.5	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Left	20.09	19.94	38.5	PASS
N5	15	10	DFT-256QAM	M	Inner_1RB_Right	20.31	20.16	38.5	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	20.25	20.1	38.5	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.76	23.61	38.5	PASS
N5	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.96	23.81	38.5	PASS
N5	15	10	DFT-PI2BPSK	H	Outer_Full	23.81	23.66	38.5	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Left	23.69	23.54	38.5	PASS
N5	15	10	DFT-QPSK	H	Inner_1RB_Right	23.85	23.7	38.5	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	23.83	23.68	38.5	PASS
N5	15	10	DFT-16QAM	H	Inner_1RB_Left	23.42	23.27	38.5	PASS

N5	15	10	DFT-16QAM	H	Inner_1RB_Right	23.31	23.16	38.5	PASS
N5	15	10	DFT-16QAM	H	Outer_Full	22.72	22.57	38.5	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Left	22.24	22.09	38.5	PASS
N5	15	10	DFT-64QAM	H	Inner_1RB_Right	22.32	22.17	38.5	PASS
N5	15	10	DFT-64QAM	H	Outer_Full	22.25	22.1	38.5	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Left	20.23	20.08	38.5	PASS
N5	15	10	DFT-256QAM	H	Inner_1RB_Right	20.21	20.06	38.5	PASS
N5	15	10	DFT-256QAM	H	Outer_Full	20.28	20.13	38.5	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.7	23.55	38.5	PASS
N5	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.69	23.54	38.5	PASS
N5	15	15	DFT-PI2BPSK	L	Outer_Full	23.71	23.56	38.5	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Left	23.64	23.49	38.5	PASS
N5	15	15	DFT-QPSK	L	Inner_1RB_Right	23.65	23.5	38.5	PASS
N5	15	15	DFT-QPSK	L	Outer_Full	23.76	23.61	38.5	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Left	23.38	23.23	38.5	PASS
N5	15	15	DFT-16QAM	L	Inner_1RB_Right	23.28	23.13	38.5	PASS
N5	15	15	DFT-16QAM	L	Outer_Full	22.77	22.62	38.5	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Left	22.2	22.05	38.5	PASS
N5	15	15	DFT-64QAM	L	Inner_1RB_Right	22.3	22.15	38.5	PASS
N5	15	15	DFT-64QAM	L	Outer_Full	22.24	22.09	38.5	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Left	20.26	20.11	38.5	PASS
N5	15	15	DFT-256QAM	L	Inner_1RB_Right	20.23	20.08	38.5	PASS
N5	15	15	DFT-256QAM	L	Outer_Full	20.27	20.12	38.5	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.75	23.6	38.5	PASS
N5	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.77	23.62	38.5	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	23.8	23.65	38.5	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Left	23.62	23.47	38.5	PASS
N5	15	15	DFT-QPSK	M	Inner_1RB_Right	23.72	23.57	38.5	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	23.73	23.58	38.5	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Left	23.56	23.41	38.5	PASS
N5	15	15	DFT-16QAM	M	Inner_1RB_Right	23.44	23.29	38.5	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	22.7	22.55	38.5	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Left	22.18	22.03	38.5	PASS
N5	15	15	DFT-64QAM	M	Inner_1RB_Right	22.29	22.14	38.5	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	22.22	22.07	38.5	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Left	20.2	20.05	38.5	PASS
N5	15	15	DFT-256QAM	M	Inner_1RB_Right	20.31	20.16	38.5	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	20.18	20.03	38.5	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.66	23.51	38.5	PASS
N5	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.86	23.71	38.5	PASS
N5	15	15	DFT-PI2BPSK	H	Outer_Full	23.71	23.56	38.5	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Left	23.59	23.44	38.5	PASS
N5	15	15	DFT-QPSK	H	Inner_1RB_Right	23.76	23.61	38.5	PASS
N5	15	15	DFT-QPSK	H	Outer_Full	23.4	23.25	38.5	PASS

N5	15	15	DFT-16QAM	H	Inner_1RB_Left	23.51	23.36	38.5	PASS
N5	15	15	DFT-16QAM	H	Inner_1RB_Right	23.34	23.19	38.5	PASS
N5	15	15	DFT-16QAM	H	Outer_Full	23.12	22.97	38.5	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Left	23.83	23.68	38.5	PASS
N5	15	15	DFT-64QAM	H	Inner_1RB_Right	23.7	23.55	38.5	PASS
N5	15	15	DFT-64QAM	H	Outer_Full	20.35	20.2	38.5	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Left	20.28	20.13	38.5	PASS
N5	15	15	DFT-256QAM	H	Inner_1RB_Right	20.3	20.15	38.5	PASS
N5	15	15	DFT-256QAM	H	Outer_Full	20.38	20.23	38.5	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.86	23.71	38.5	PASS
N5	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.87	23.72	38.5	PASS
N5	15	20	DFT-PI2BPSK	L	Outer_Full	23.74	23.59	38.5	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Left	23.71	23.56	38.5	PASS
N5	15	20	DFT-QPSK	L	Inner_1RB_Right	23.76	23.61	38.5	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	23.72	23.57	38.5	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Left	23.51	23.36	38.5	PASS
N5	15	20	DFT-16QAM	L	Inner_1RB_Right	23.16	23.01	38.5	PASS
N5	15	20	DFT-16QAM	L	Outer_Full	22.72	22.57	38.5	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Left	22.23	22.08	38.5	PASS
N5	15	20	DFT-64QAM	L	Inner_1RB_Right	22.38	22.23	38.5	PASS
N5	15	20	DFT-64QAM	L	Outer_Full	22.24	22.09	38.5	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Left	20.23	20.08	38.5	PASS
N5	15	20	DFT-256QAM	L	Inner_1RB_Right	20.19	20.04	38.5	PASS
N5	15	20	DFT-256QAM	L	Outer_Full	20.25	20.1	38.5	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.75	23.6	38.5	PASS
N5	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.69	23.54	38.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	23.86	23.71	38.5	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Left	23.69	23.54	38.5	PASS
N5	15	20	DFT-QPSK	M	Inner_1RB_Right	23.77	23.62	38.5	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	23.86	23.71	38.5	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Left	23.52	23.37	38.5	PASS
N5	15	20	DFT-16QAM	M	Inner_1RB_Right	23.24	23.09	38.5	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	22.63	22.48	38.5	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Left	22.35	22.2	38.5	PASS
N5	15	20	DFT-64QAM	M	Inner_1RB_Right	22.41	22.26	38.5	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	22.24	22.09	38.5	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Left	20.15	20	38.5	PASS
N5	15	20	DFT-256QAM	M	Inner_1RB_Right	20.24	20.09	38.5	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	20.26	20.11	38.5	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.71	23.56	38.5	PASS
N5	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.85	23.7	38.5	PASS
N5	15	20	DFT-PI2BPSK	H	Outer_Full	23.79	23.64	38.5	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Left	23.68	23.53	38.5	PASS
N5	15	20	DFT-QPSK	H	Inner_1RB_Right	23.81	23.66	38.5	PASS

N5	15	20	DFT-QPSK	H	Outer_Full	23.5	23.35	38.5	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Left	23.35	23.2	38.5	PASS
N5	15	20	DFT-16QAM	H	Inner_1RB_Right	23.21	23.06	38.5	PASS
N5	15	20	DFT-16QAM	H	Outer_Full	22.56	22.41	38.5	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Left	23.88	23.73	38.5	PASS
N5	15	20	DFT-64QAM	H	Inner_1RB_Right	22.67	22.52	38.5	PASS
N5	15	20	DFT-64QAM	H	Outer_Full	23.45	23.3	38.5	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Left	20.17	20.02	38.5	PASS
N5	15	20	DFT-256QAM	H	Inner_1RB_Right	20.15	20	38.5	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	20.23	20.08	38.5	PASS

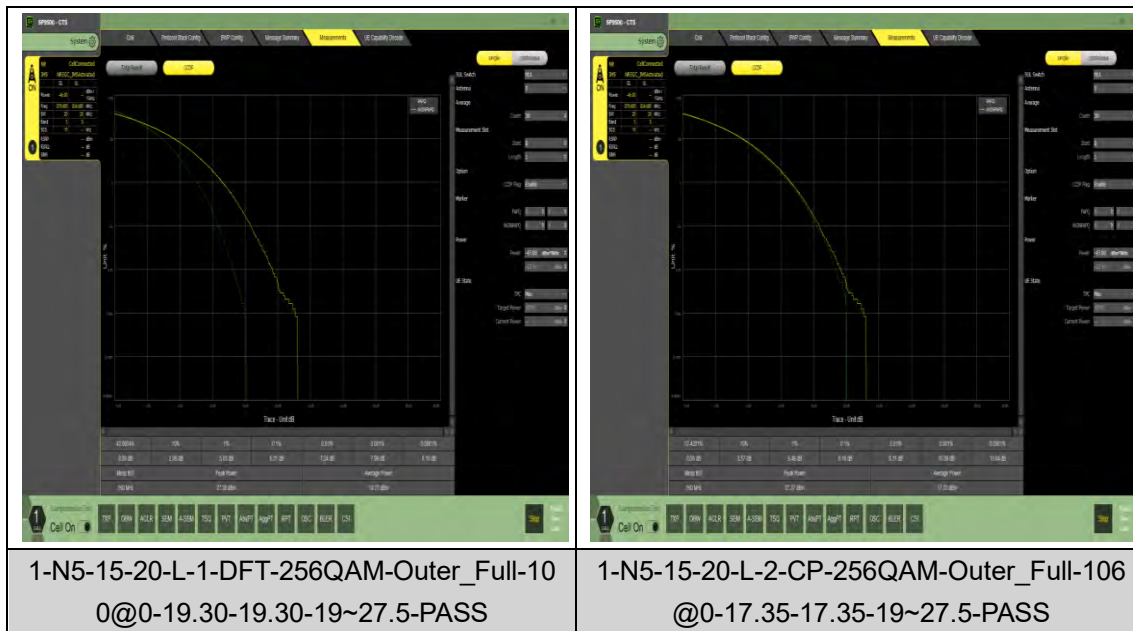
2. Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-256QAM	L	Outer_Full	6.31	13	PASS
N5	15	20	CP-256QAM	L	Outer_Full	8.16	13	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	6.34	13	PASS
N5	15	20	CP-256QAM	M	Outer_Full	8.44	13	PASS
N5	15	20	DFT-256QAM	H	Outer_Full	6.47	13	PASS
N5	15	20	CP-256QAM	H	Outer_Full	8.30	13	PASS

Test Graphs





1-N5-15-20-M-1-DFT-256QAM-Outer_Full-10
@0-19.12-19.12-19~27.5-PASS



1-N5-15-20-M-2-CP-256QAM-Outer_Full-106
@0-17.14-17.14-19~27.5-PASS



1-N5-15-20-H-1-DFT-256QAM-Outer_Full-10
@0-19.00-19.00-19~27.5-PASS



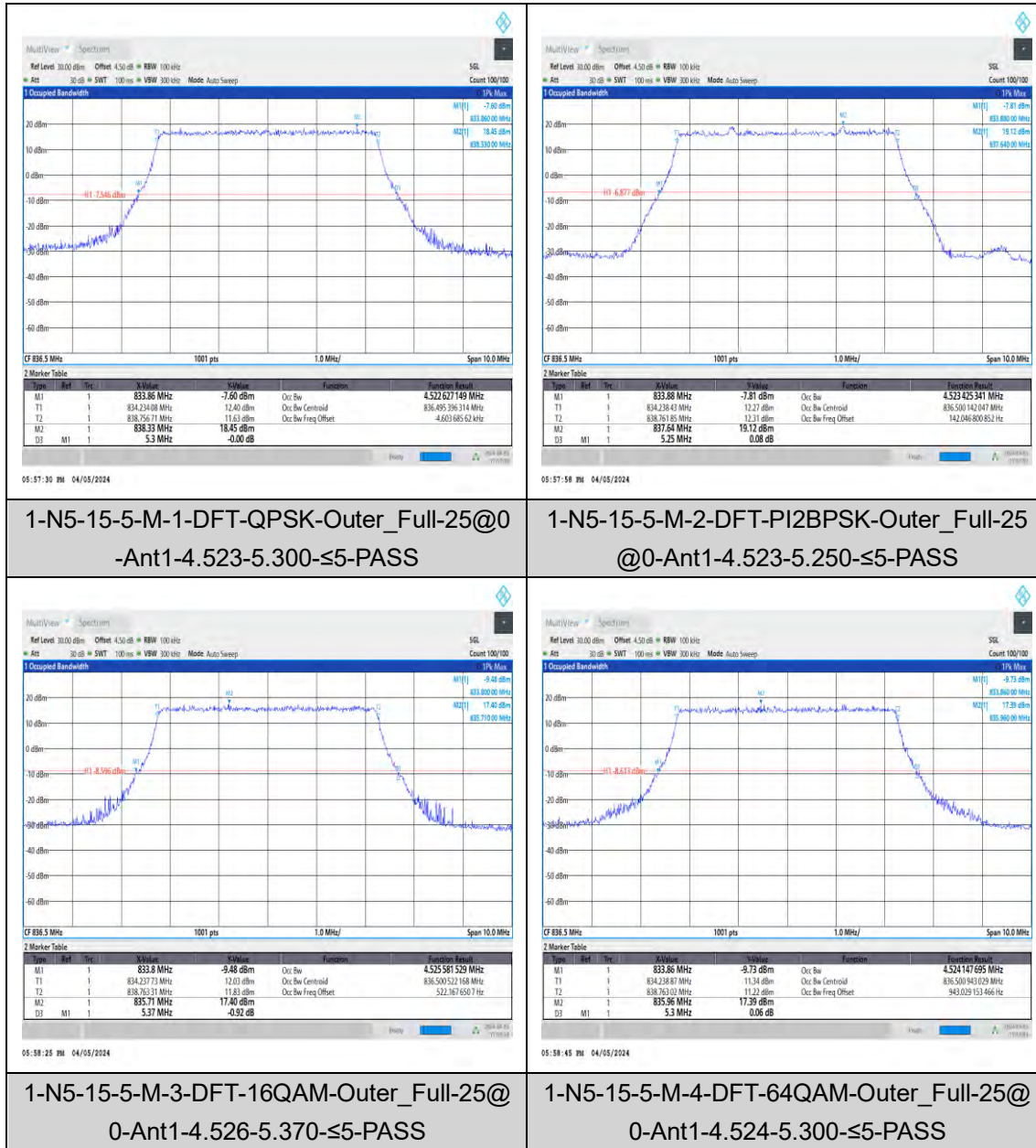
1-N5-15-20-H-2-CP-256QAM-Outer_Full-106
@0-17.00-17.00-19~27.5-PASS

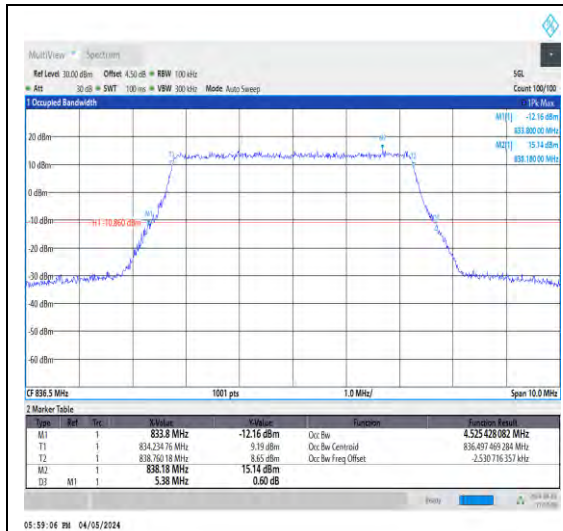
3. 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

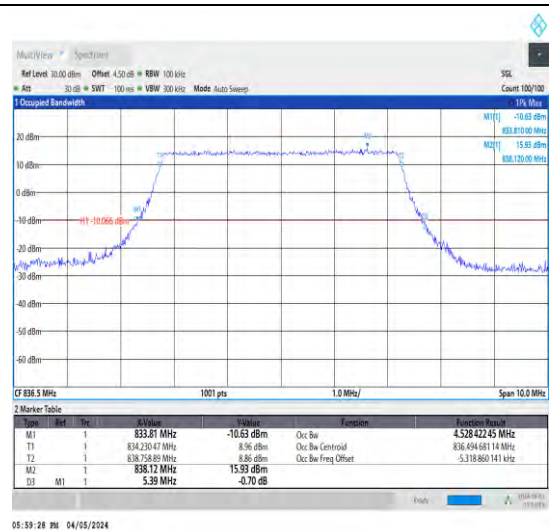
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-QPSK	M	Outer_Full	4.523	5.300	PASS
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.523	5.250	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.526	5.370	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.524	5.300	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.525	5.380	PASS
N5	15	5	CP-QPSK	M	Outer_Full	4.528	5.390	PASS
N5	15	5	CP-16QAM	M	Outer_Full	4.521	5.280	PASS
N5	15	5	CP-64QAM	M	Outer_Full	4.52	5.380	PASS
N5	15	5	CP-256QAM	M	Outer_Full	4.537	5.350	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.952	9.860	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.963	9.720	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.95	9.820	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.949	9.740	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.952	9.740	PASS
N5	15	10	CP-QPSK	M	Outer_Full	9.308	10.240	PASS
N5	15	10	CP-16QAM	M	Outer_Full	9.312	10.200	PASS
N5	15	10	CP-64QAM	M	Outer_Full	9.316	10.220	PASS
N5	15	10	CP-256QAM	M	Outer_Full	9.31	10.180	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.538	14.670	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.589	14.670	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.52	14.670	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.509	14.760	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.501	14.700	PASS
N5	15	15	CP-QPSK	M	Outer_Full	14.204	15.420	PASS
N5	15	15	CP-16QAM	M	Outer_Full	14.241	15.450	PASS
N5	15	15	CP-64QAM	M	Outer_Full	14.201	15.420	PASS
N5	15	15	CP-256QAM	M	Outer_Full	14.203	15.360	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.924	19.200	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.919	19.080	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.912	18.800	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.93	19.200	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.9	19.200	PASS
N5	15	20	CP-QPSK	M	Outer_Full	18.919	20.240	PASS
N5	15	20	CP-16QAM	M	Outer_Full	18.941	20.200	PASS
N5	15	20	CP-64QAM	M	Outer_Full	18.936	20.280	PASS
N5	15	20	CP-256QAM	M	Outer_Full	18.947	20.200	PASS

Test Graphs

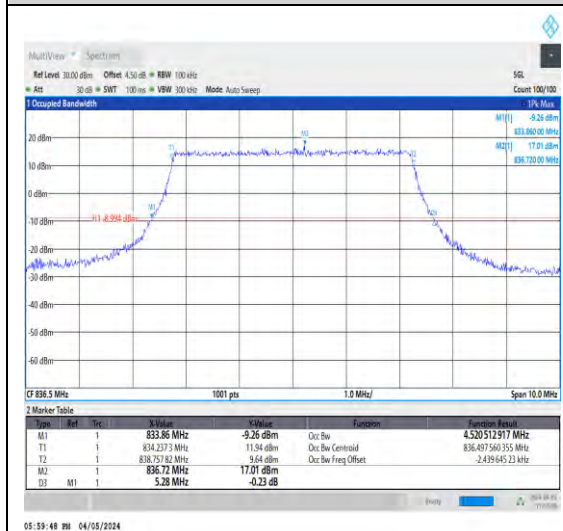




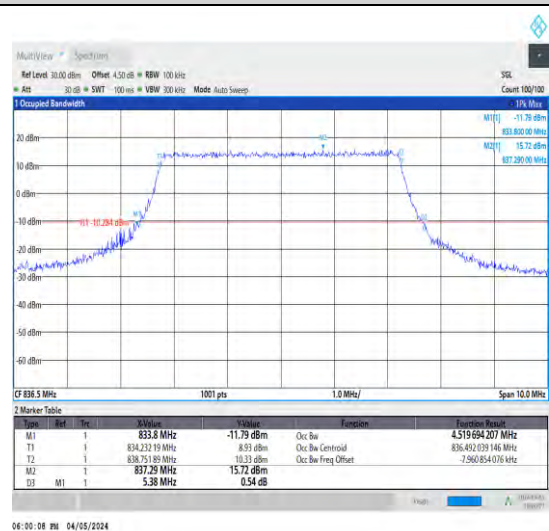
1-N5-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.525-5.380-≤5-PASS



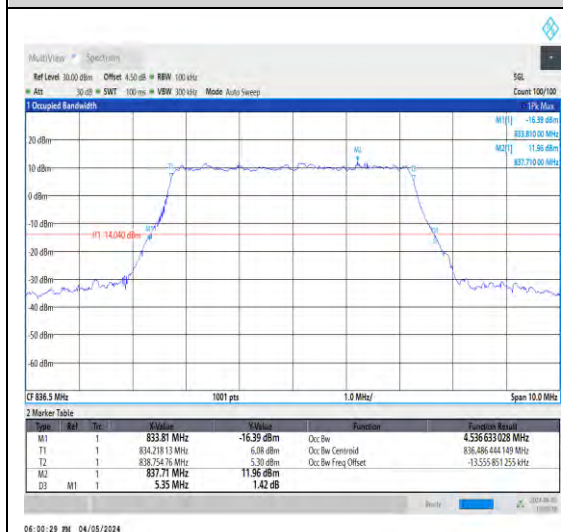
1-N5-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.528-5.390-≤5-PASS



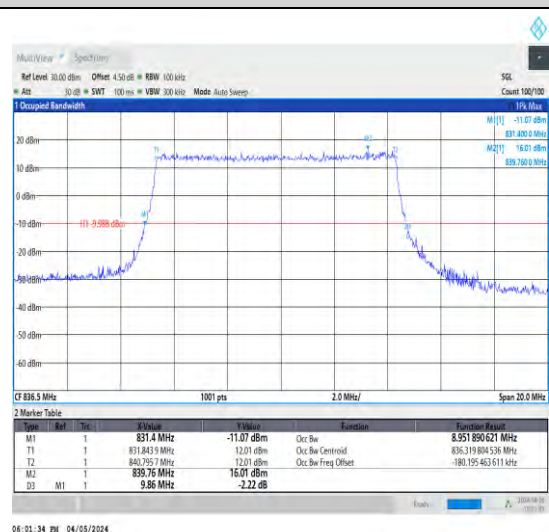
1-N5-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.521-5.280-≤5-PASS



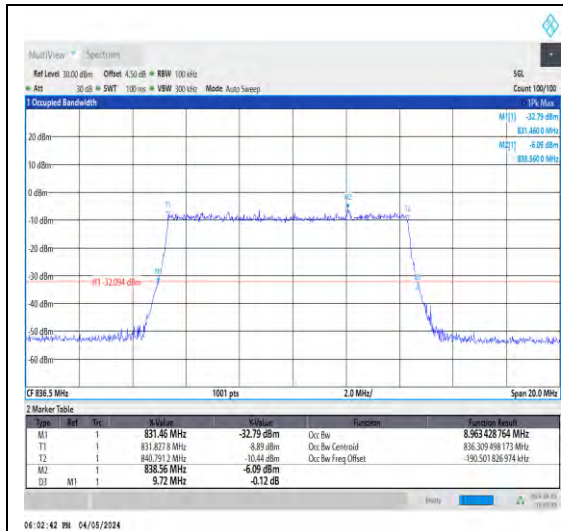
1-N5-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.52-5.380-≤5-PASS



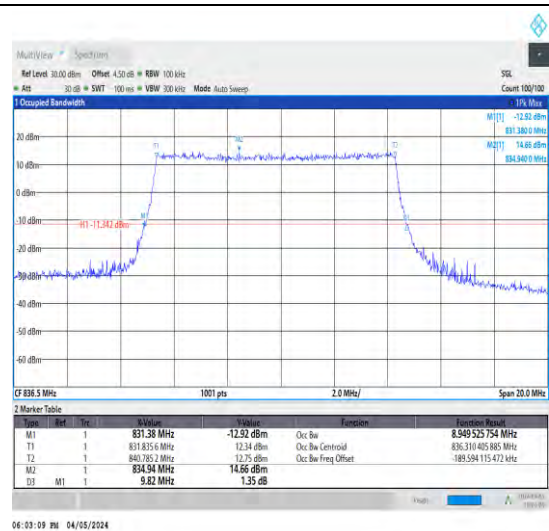
1-N5-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.537-5.350-≤5-PASS



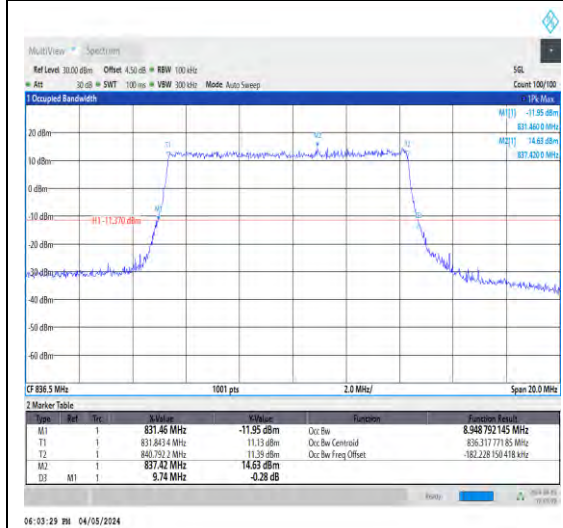
1-N5-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.952-9.860-≤10-PASS



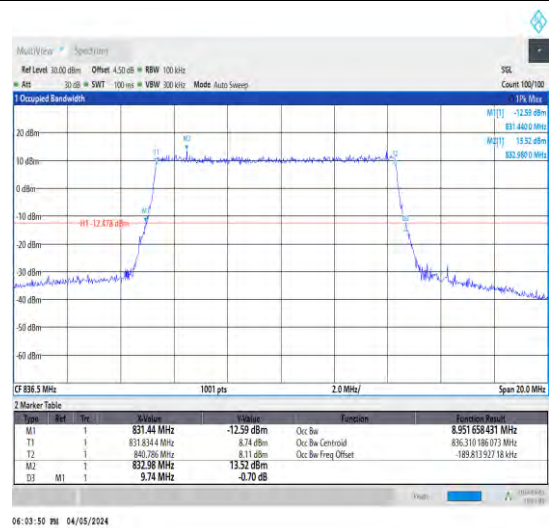
1-N5-15-10-M-2-DFT-PI2BPSK-Outter_Full-50
@0-Ant1-8.963-9.720-≤10-PASS



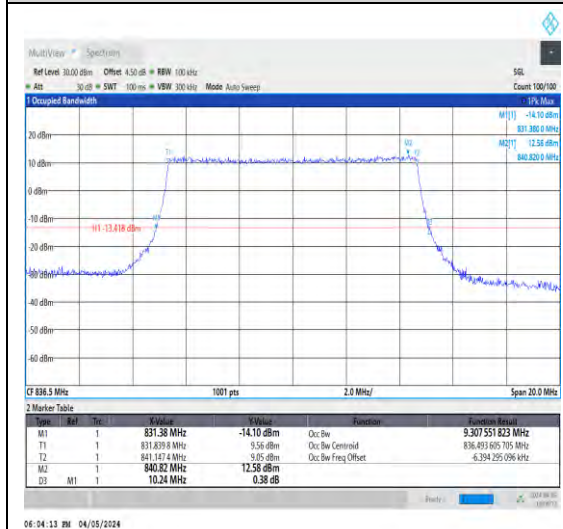
1-N5-15-10-M-3-DFT-16QAM-Outter_Full-50
@0-Ant1-8.95-9.820-≤10-PASS



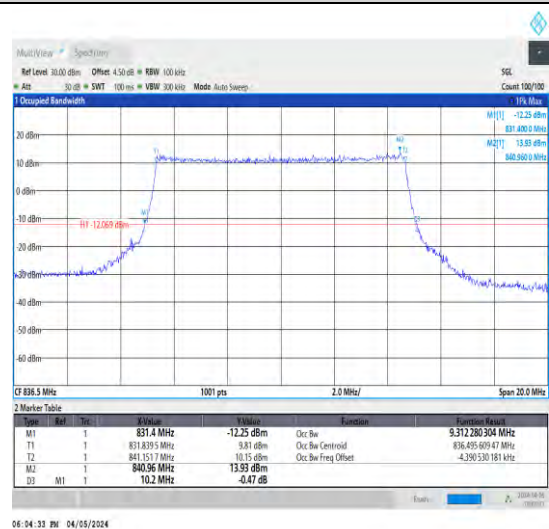
1-N5-15-10-M-4-DFT-64QAM-Outter_Full-50
@0-Ant1-8.949-9.740-≤10-PASS



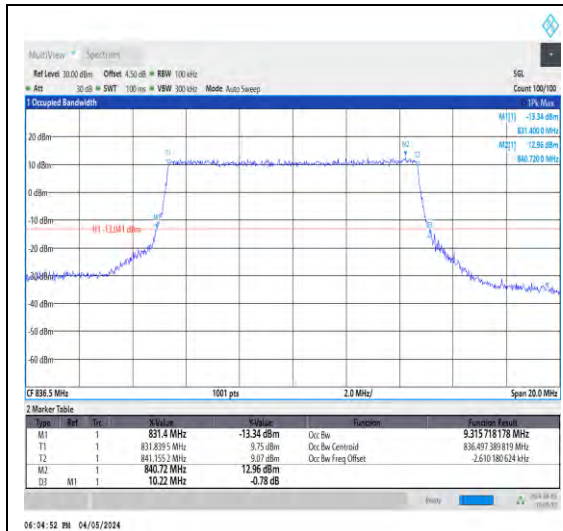
1-N5-15-10-M-5-DFT-256QAM-Outter_Full-50
@0-Ant1-8.952-9.740-≤10-PASS



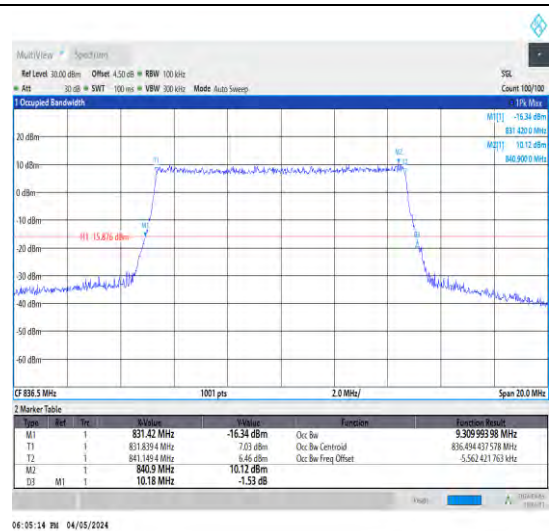
1-N5-15-10-M-6-CP-QPSK-Outter_Full-52@0
-Ant1-9.308-10.240-≤10-PASS



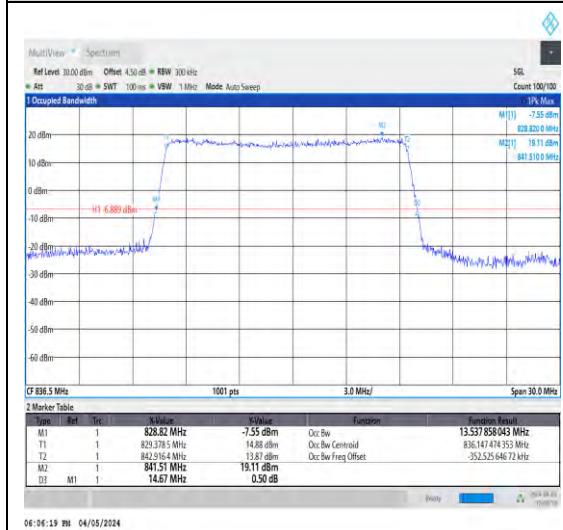
1-N5-15-10-M-7-CP-16QAM-Outter_Full-52@0
-Ant1-9.312-10.200-≤10-PASS



1-N5-15-10-M-8-CP-64QAM-Outer_Full-52@
0-Ant1-9.316-10.220-≤10-PASS



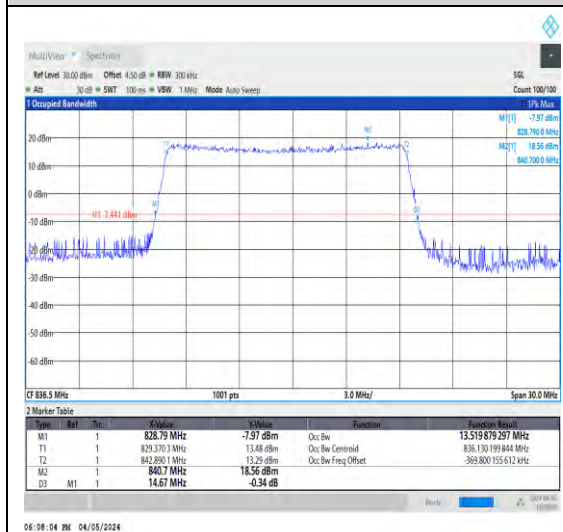
1-N5-15-10-M-9-CP-256QAM-Outer_Full-52
@0-Ant1-9.31-10.180-≤10-PASS



1-N5-15-15-M-1-DFT-QPSK-Outer_Full-75@
0-Ant1-13.538-14.670-≤15-PASS



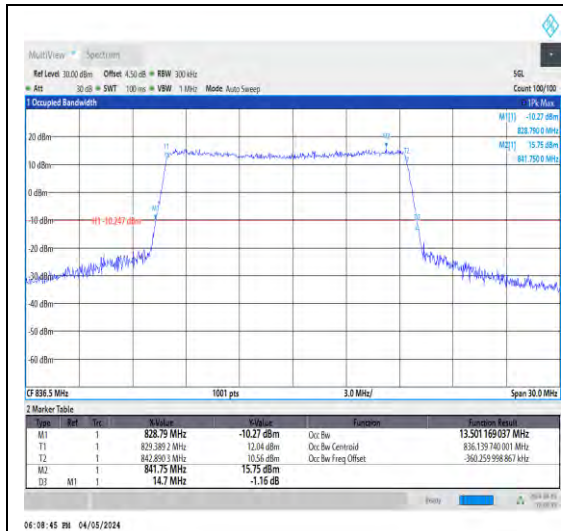
1-N5-15-15-M-2-DFT-PI2BPSK-Outer_Full-75
5@0-Ant1-13.589-14.670-≤15-PASS



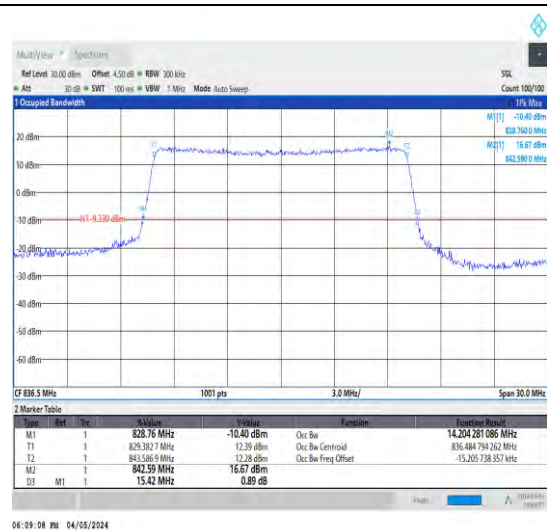
1-N5-15-15-M-3-DFT-16QAM-Outer_Full-75
@0-Ant1-13.52-14.670-≤15-PASS



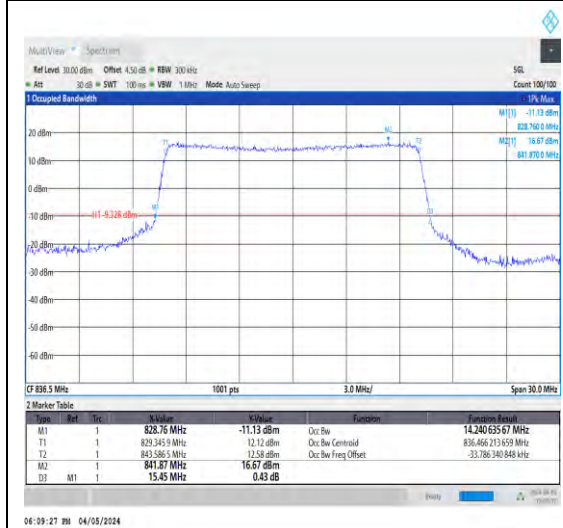
1-N5-15-15-M-4-DFT-64QAM-Outer_Full-75
@0-Ant1-13.509-14.760-≤15-PASS



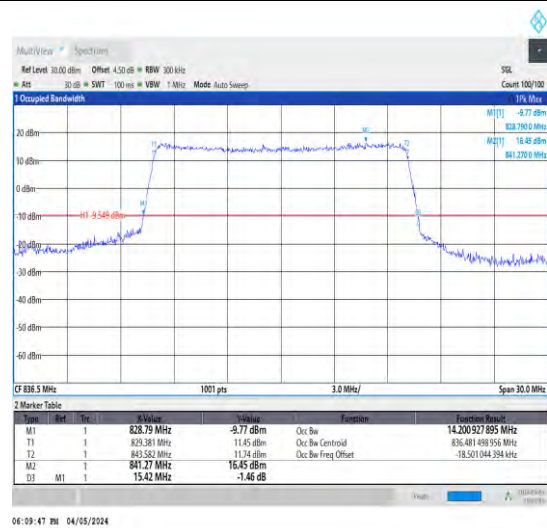
1-N5-15-15-M-5-DFT-256QAM-Outer_Full-75
@0-Ant1-13.501-14.700≤15-PASS



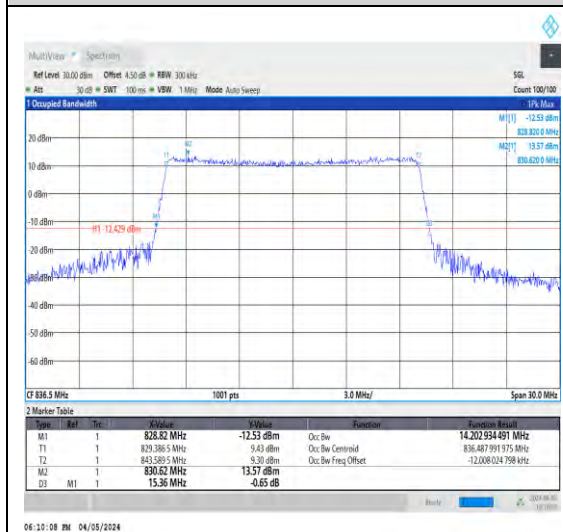
1-N5-15-15-M-6-CP-QPSK-Outer_Full-79@0
-Ant1-14.204-15.420≤15-PASS



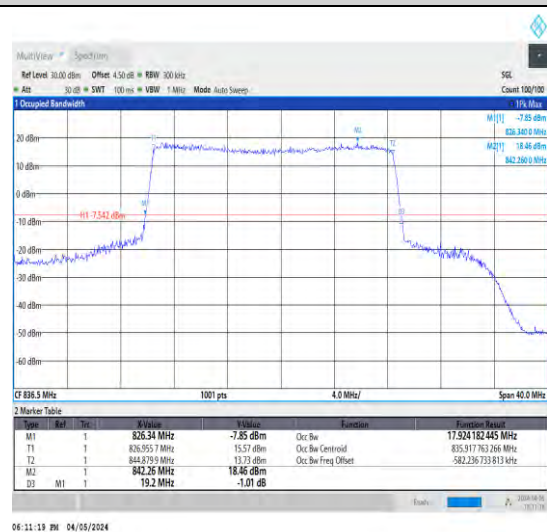
1-N5-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.241-15.450≤15-PASS



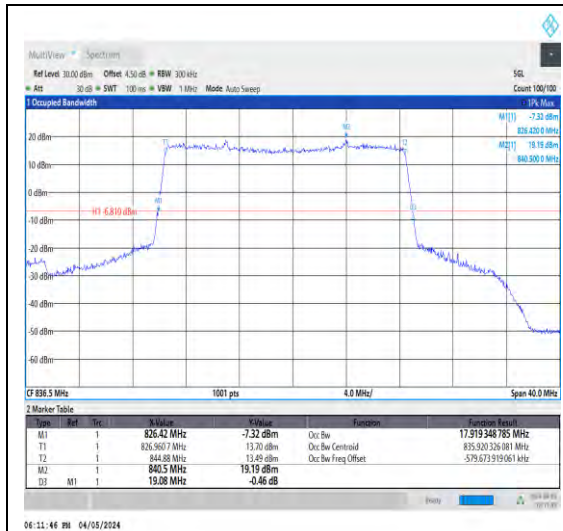
1-N5-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.201-15.420≤15-PASS



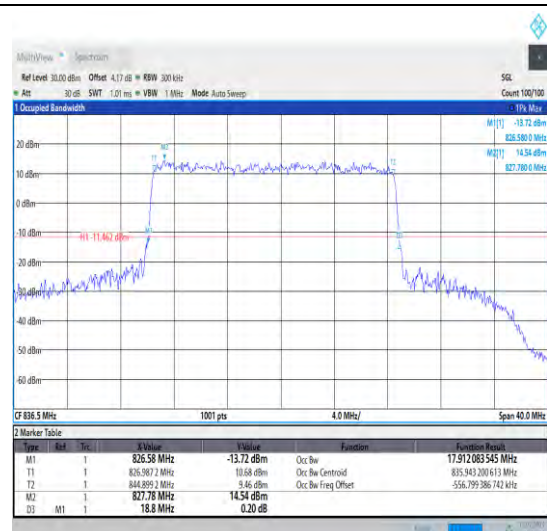
1-N5-15-15-M-9-CP-256QAM-Outer_Full-79
@0-Ant1-14.203-15.360≤15-PASS



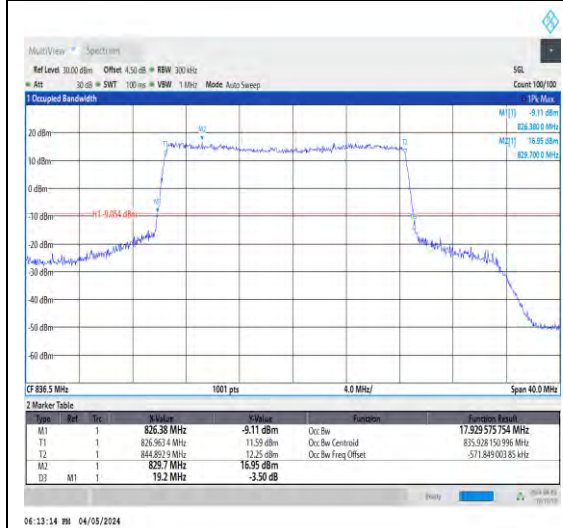
1-N5-15-20-M-1-DFT-QPSK-Outer_Full-100
@0-Ant1-17.924-19.200≤20-PASS



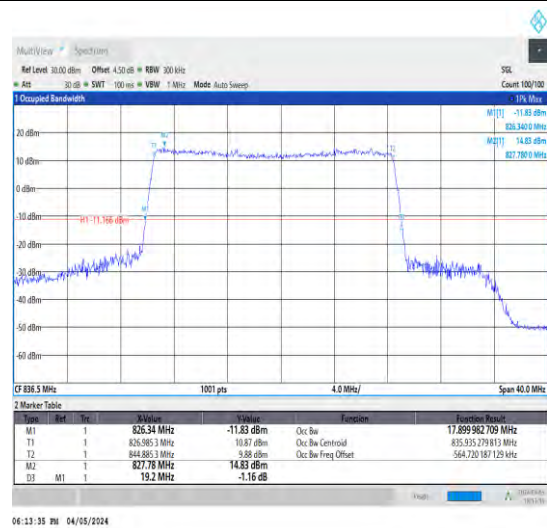
1-N5-15-20-M-2-DFT-PI2BPSK-Outer_Full-1
00@0-Ant1-17.919-19.080-≤20-PASS



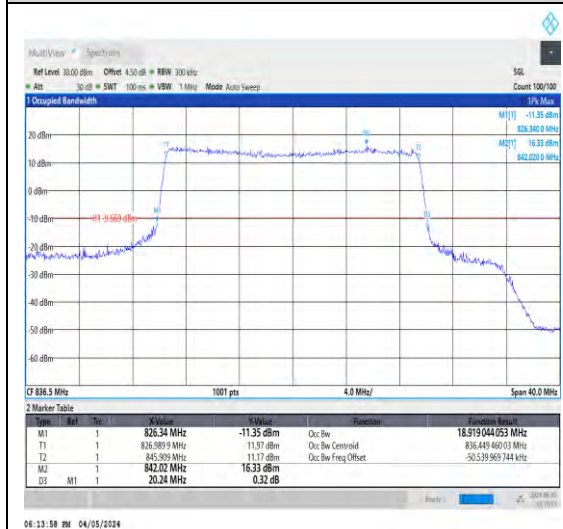
1-N5-15-20-M-3-DFT-16QAM-Outer_Full-100
@0-Ant1-17.912-18.800-≤20-PASS



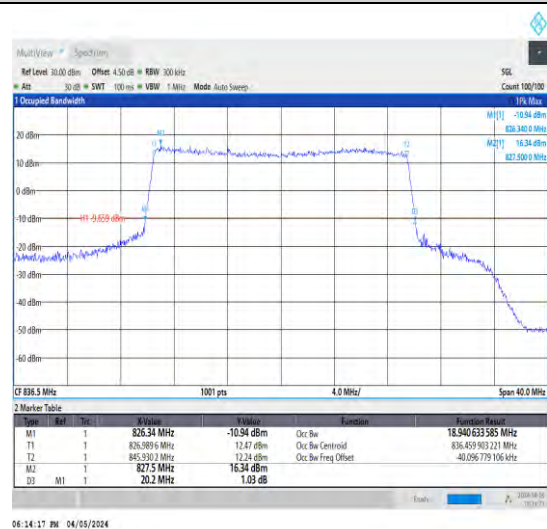
1-N5-15-20-M-4-DFT-64QAM-Outer_Full-100
@0-Ant1-17.93-19.200-≤20-PASS



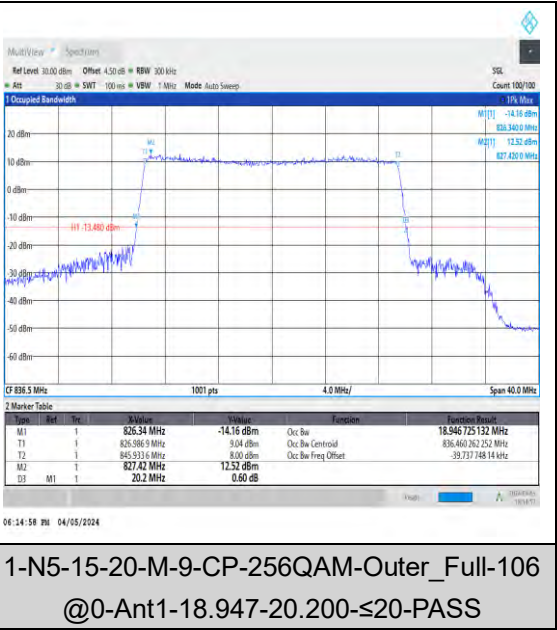
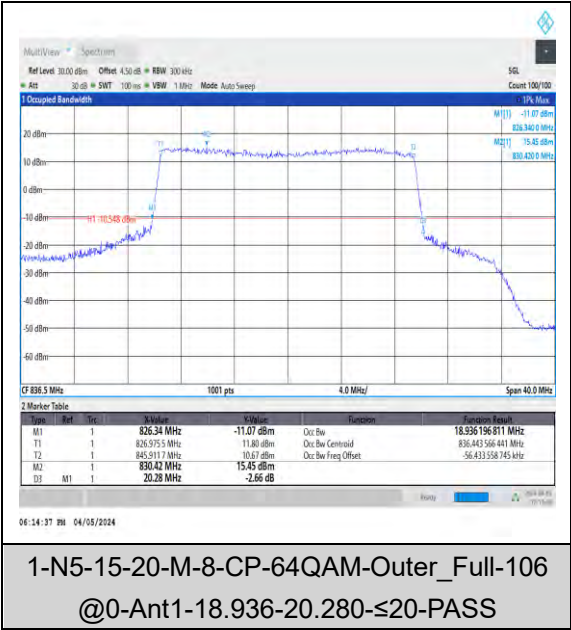
1-N5-15-20-M-5-DFT-256QAM-Outer_Full-10
0@0-Ant1-17.9-19.200-≤20-PASS



1-N5-15-20-M-6-CP-QPSK-Outer_Full-106@
0-Ant1-18.919-20.240-≤20-PASS

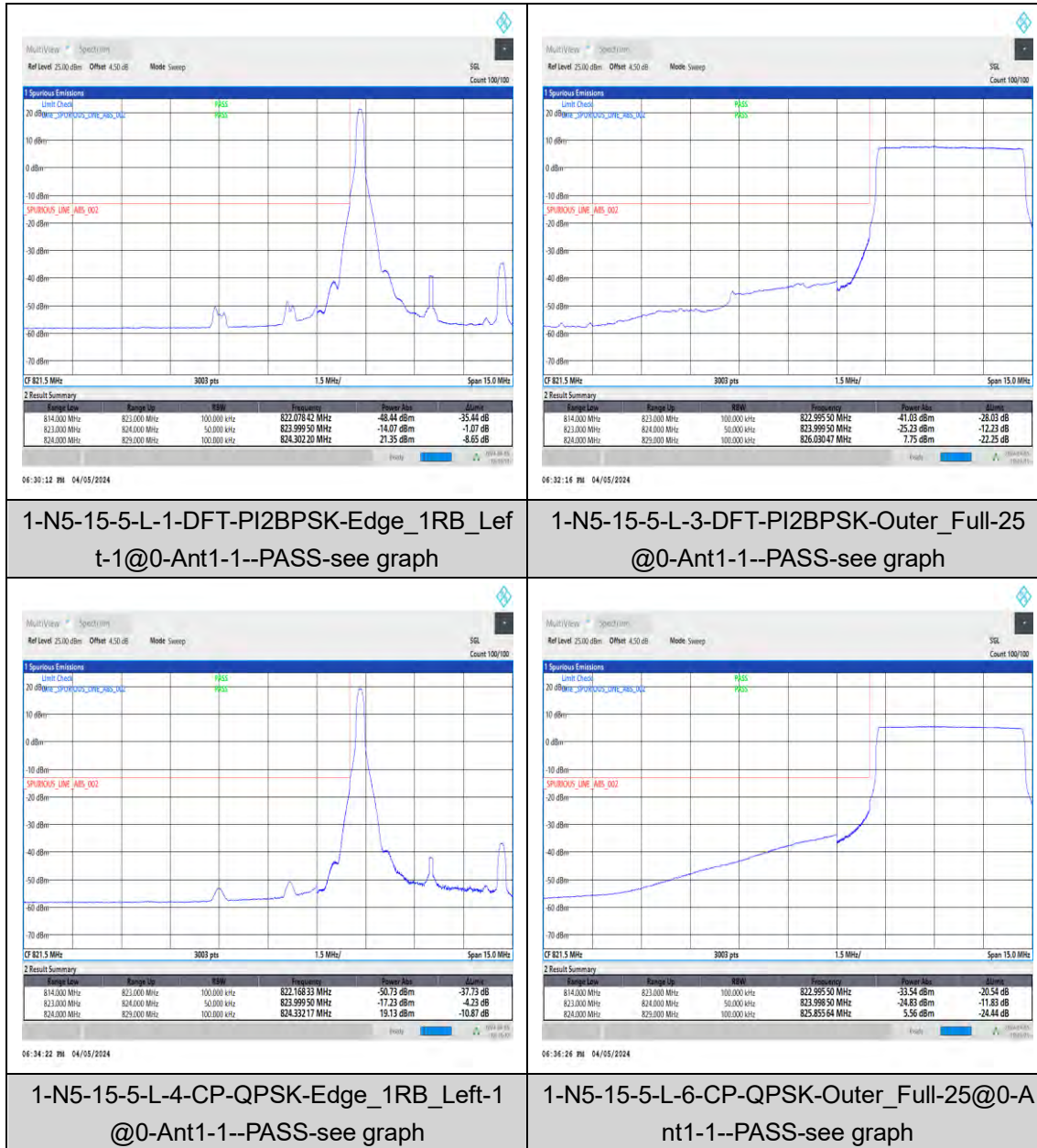


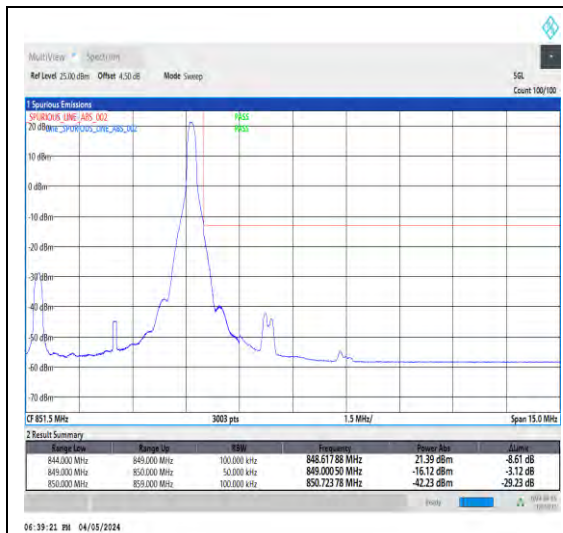
1-N5-15-20-M-7-CP-16QAM-Outer_Full-106
@0-Ant1-18.941-20.200-≤20-PASS



4. Band Edge for SA

Test Graphs

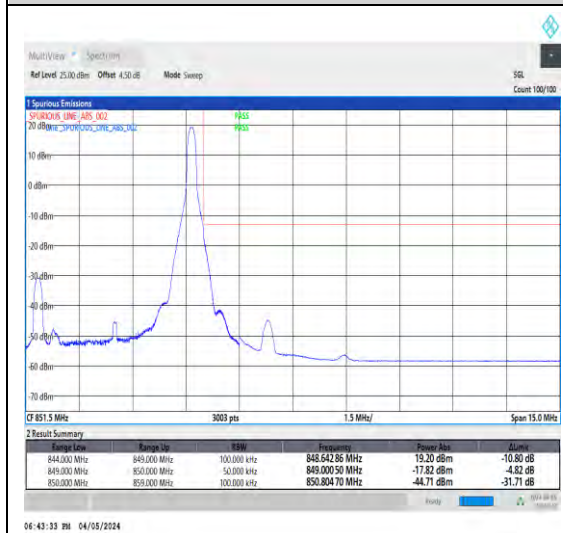




1-N5-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



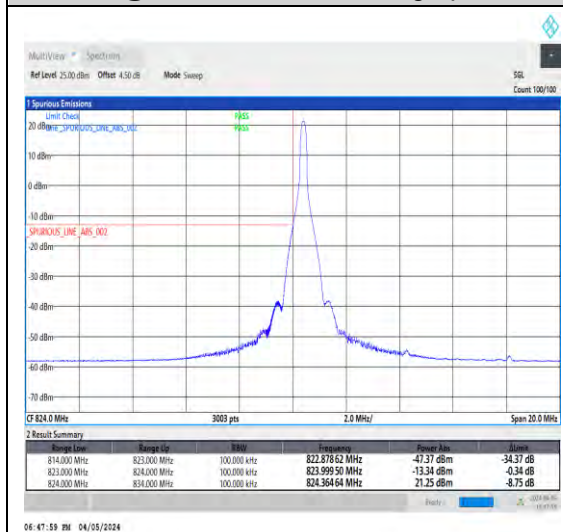
1-N5-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



1-N5-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



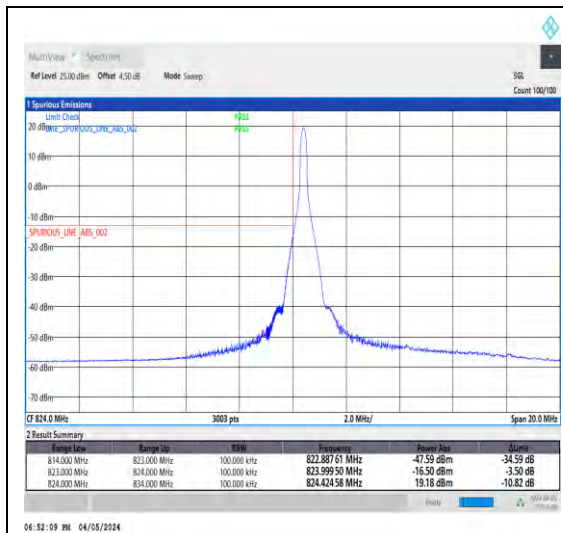
1-N5-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



1-N5-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



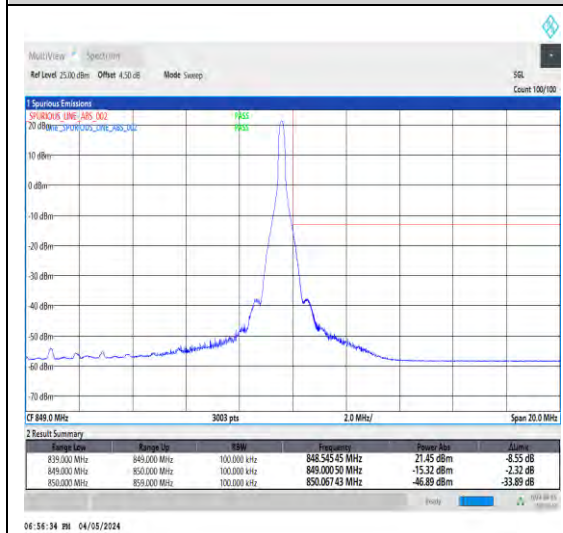
1-N5-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N5-15-10-L-4-CP-QPSK-Edge_1RB_Left-1
@0-Ant1-1--PASS-see graph



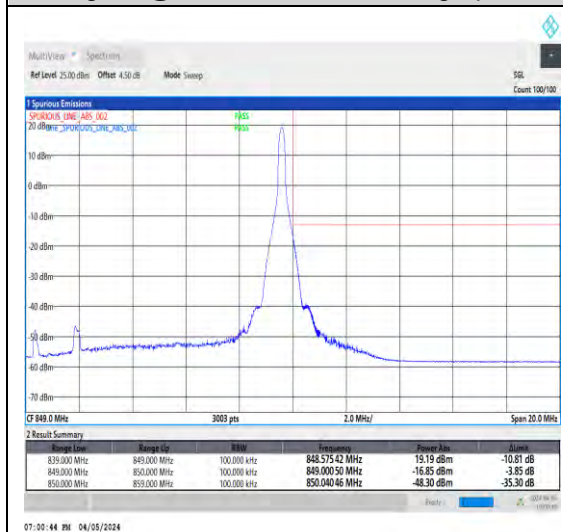
1-N5-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



1-N5-15-10-H-2-DFT-PI2BPSK-Edge_1RB_R
ight-1@51-Ant1-1--PASS-see graph



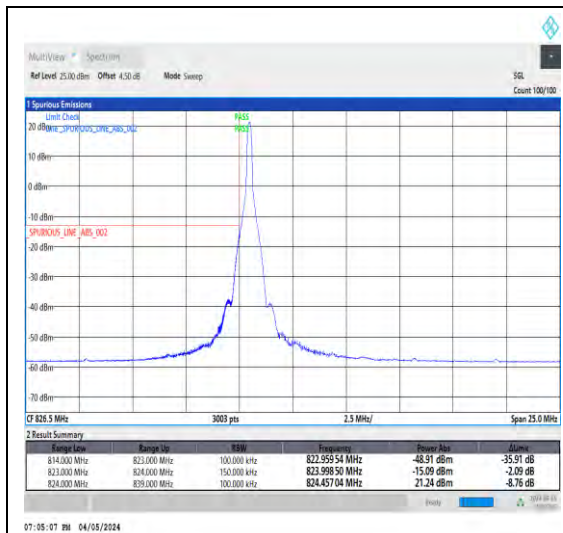
1-N5-15-10-H-3-DFT-PI2BPSK-Outer_Full-50
@0-Ant1-1--PASS-see graph



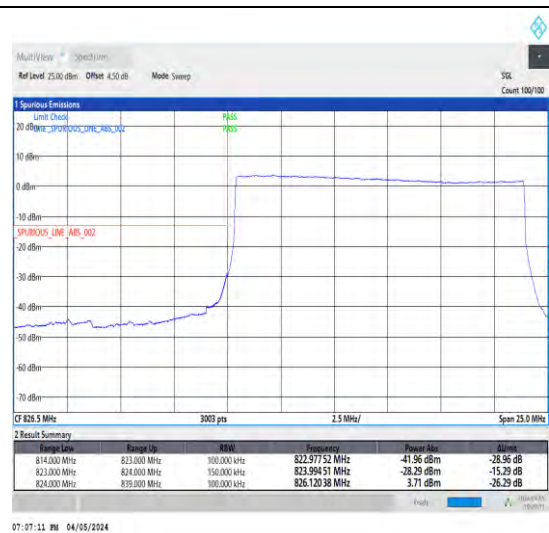
1-N5-15-10-H-5-CP-QPSK-Edge_1RB_Right
-1@51-Ant1-1--PASS-see graph



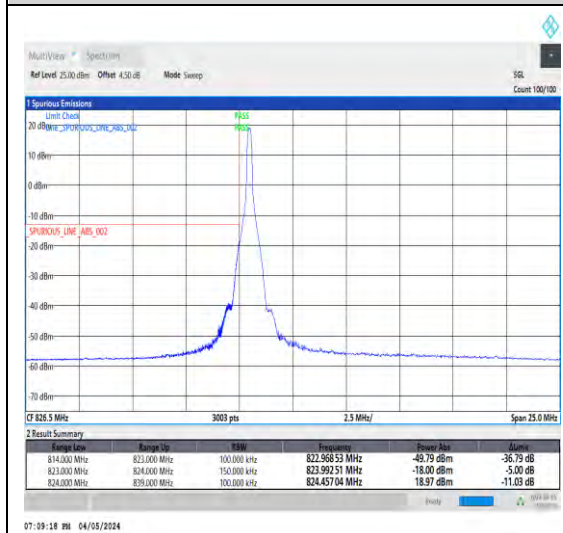
1-N5-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



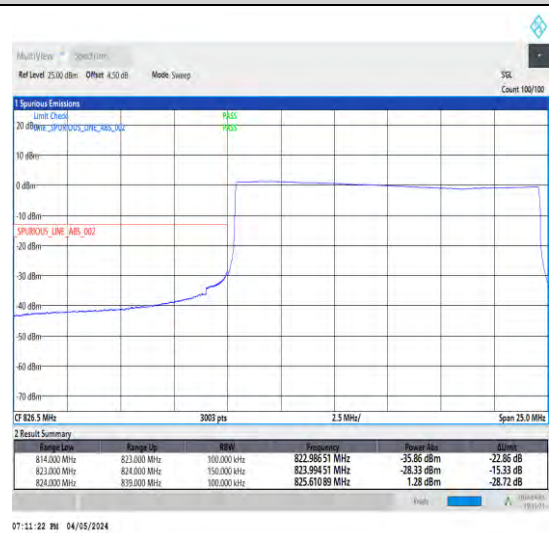
1-N5-15-15-L-1-DFT-PI2BPSK-Edge_1RB_L
eft-1@0-Ant1-1--PASS-see graph



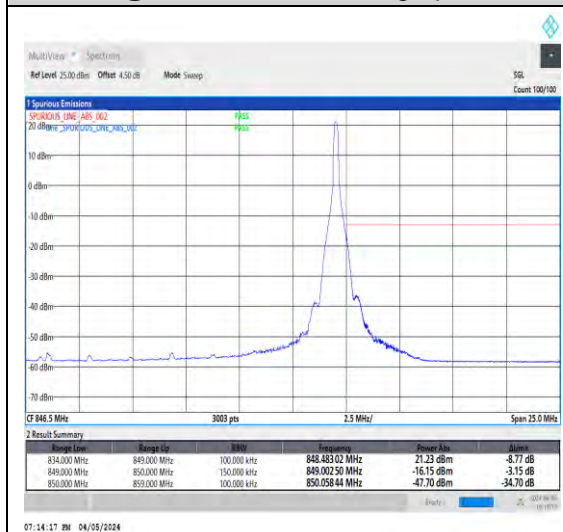
1-N5-15-15-L-3-DFT-PI2BPSK-Outer_Full-75
@0-Ant1-1--PASS-see graph



1-N5-15-15-L-4-CP-QPSK-Edge_1RB_Left-1
@0-Ant1-1--PASS-see graph



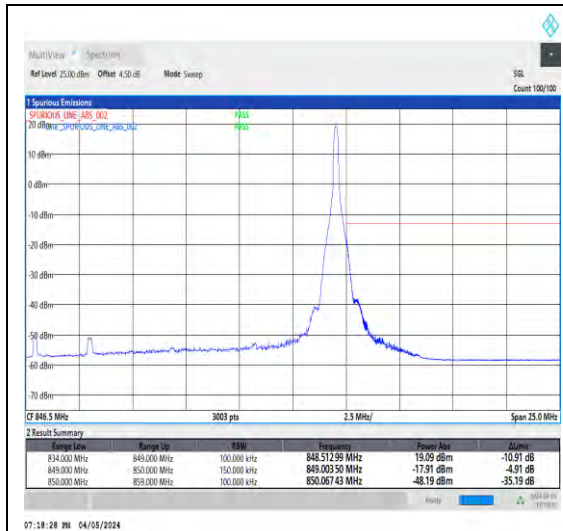
1-N5-15-15-L-6-CP-QPSK-Outer_Full-79@0-
Ant1-1--PASS-see graph



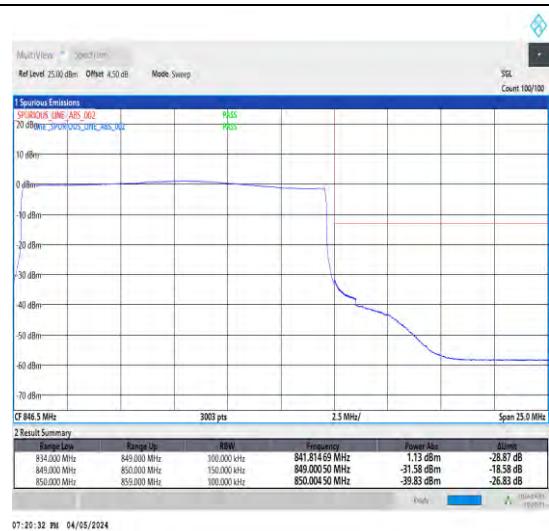
1-N5-15-15-H-2-DFT-PI2BPSK-Edge_1RB_R
ight-1@78-Ant1-1--PASS-see graph



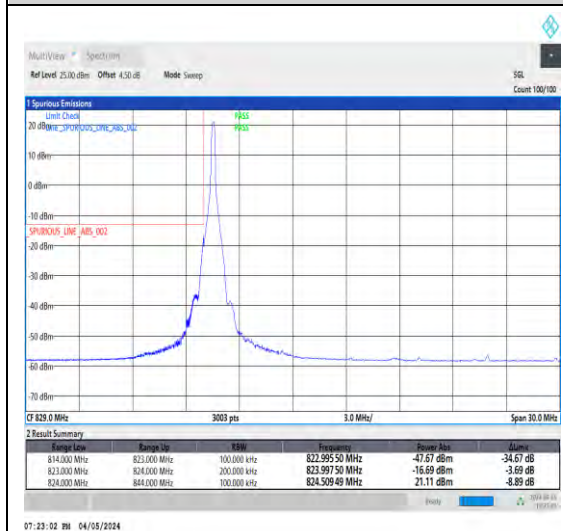
1-N5-15-15-H-3-DFT-PI2BPSK-Outer_Full-75
@0-Ant1-1--PASS-see graph



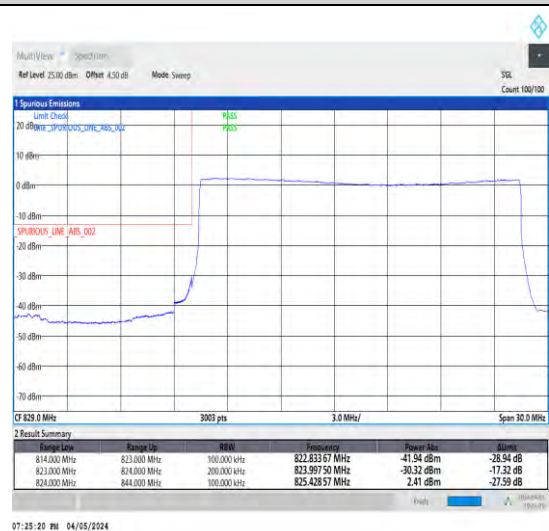
1-N5-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1--PASS-see graph



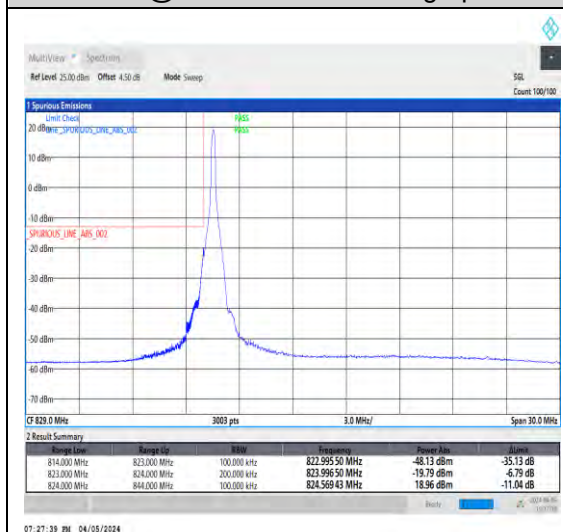
1-N5-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1--PASS-see graph



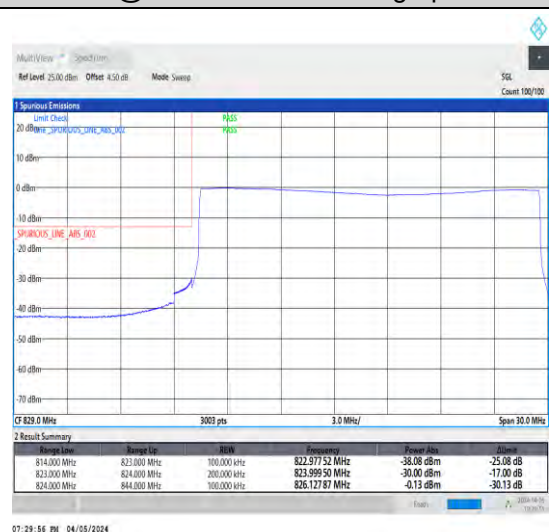
1-N5-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N5-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



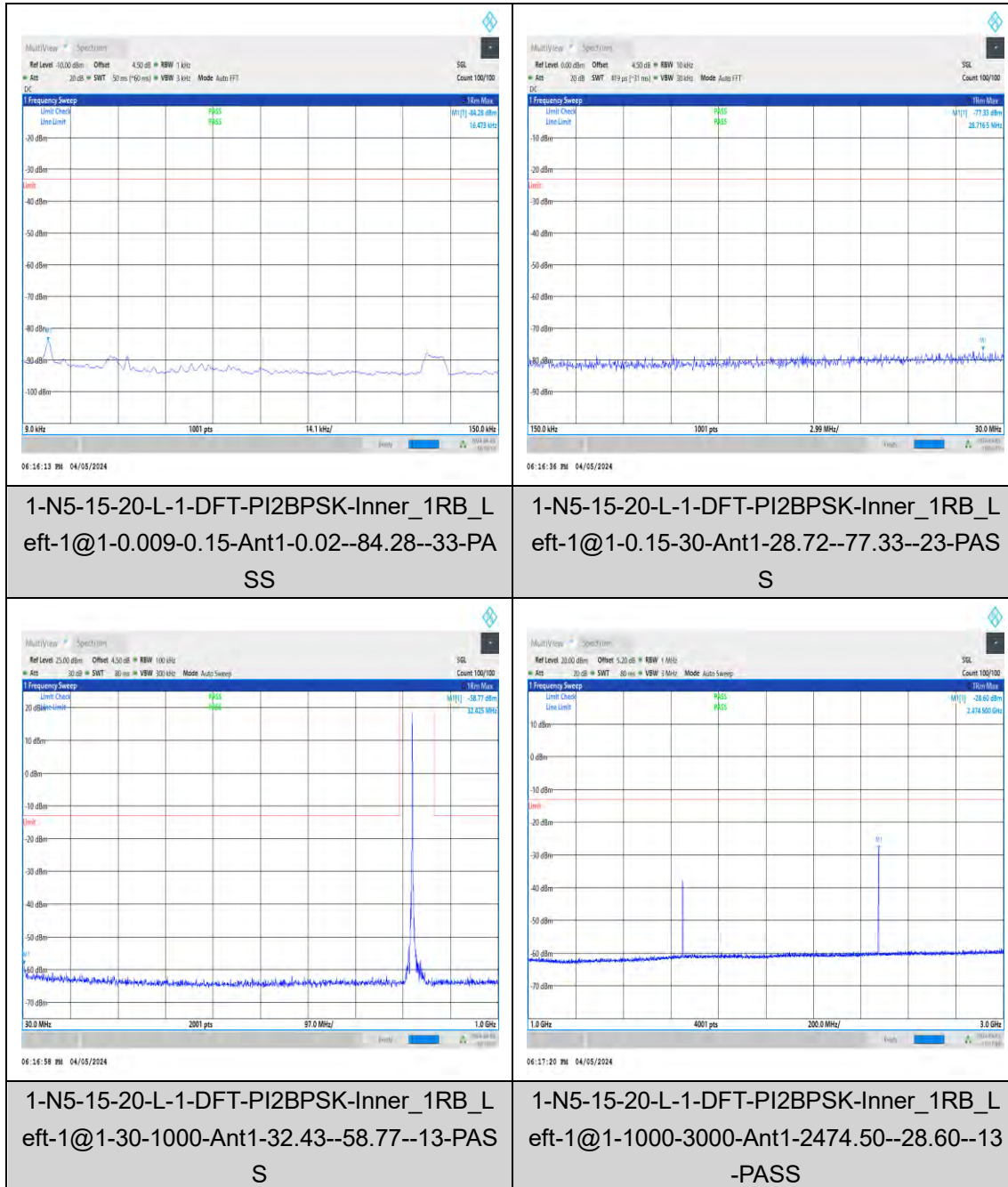
1-N5-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

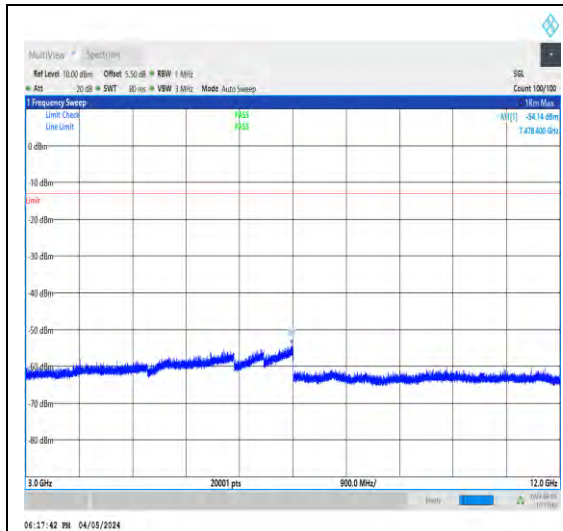


1-N5-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

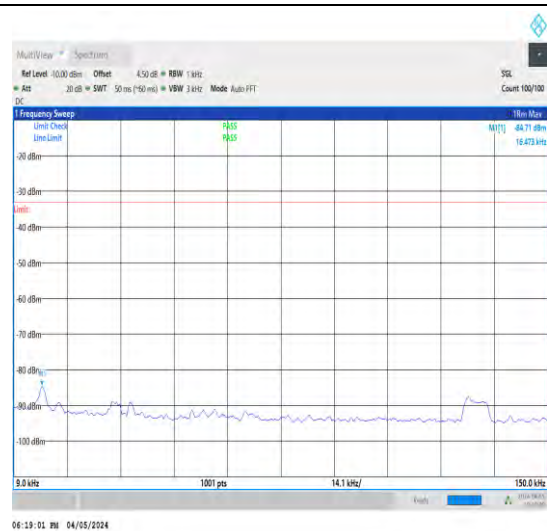
5. Conducted Spurious Emission for SA

Test Graphs

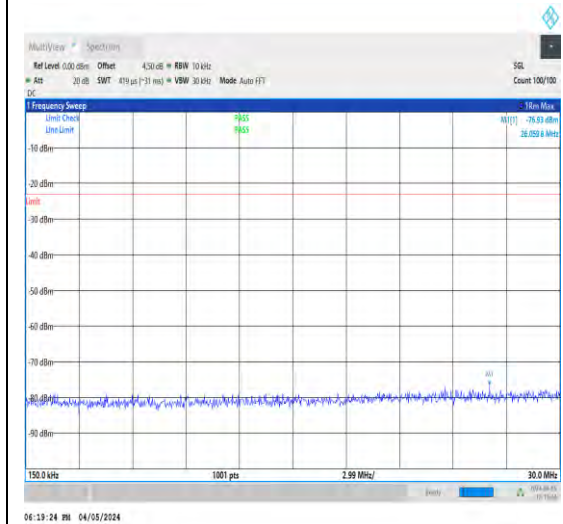




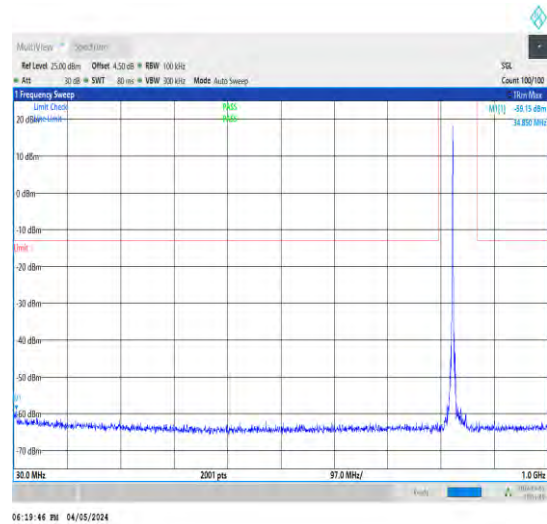
1-N5-15-20-L-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant1-7478.40--54.14--1
3-PASS



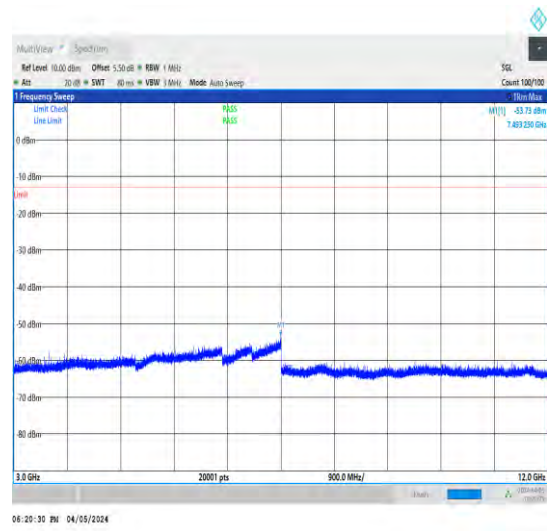
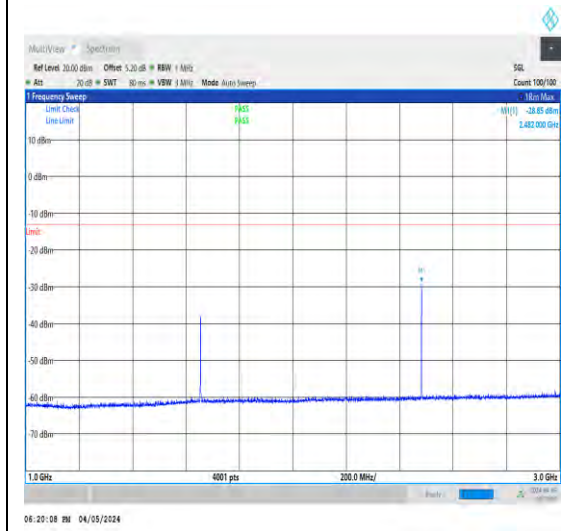
1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-0.009-0.15-Ant1-0.02--84.71--33-PA
SS

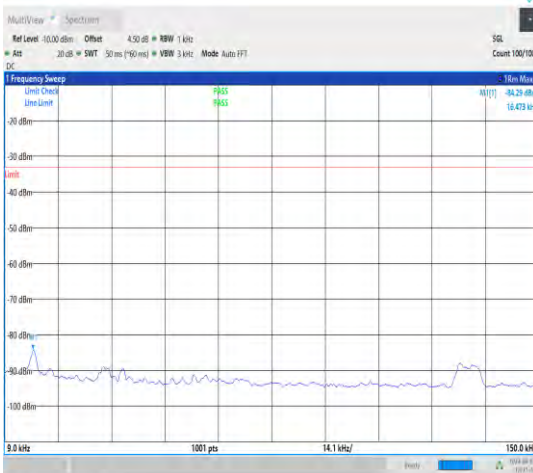
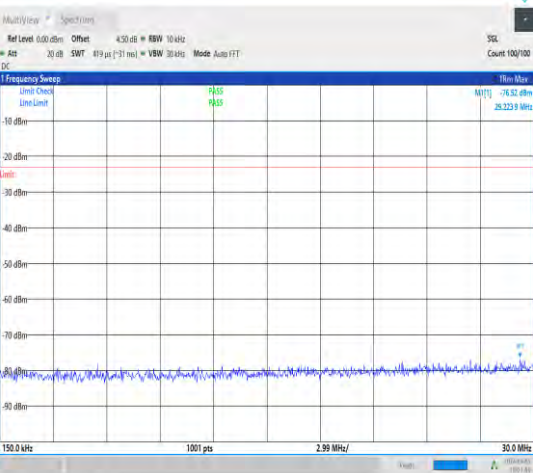
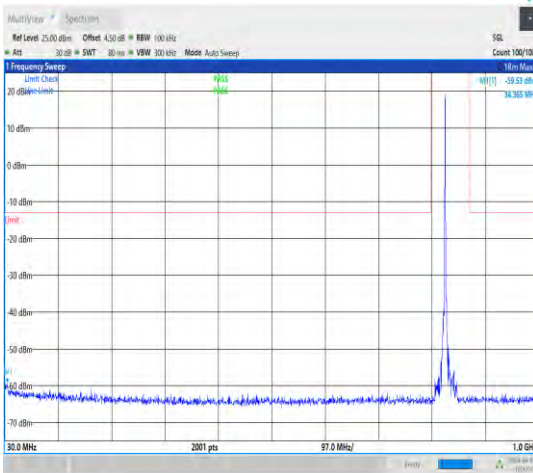
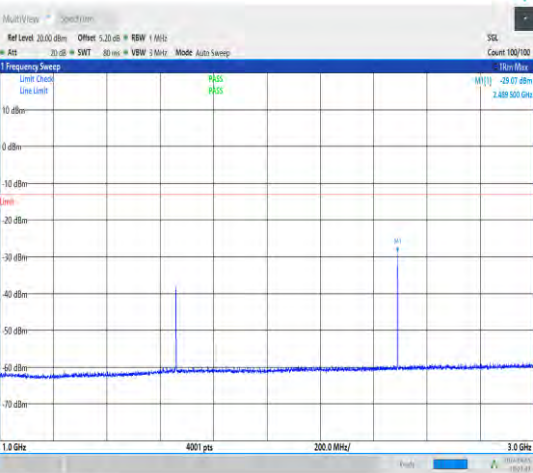


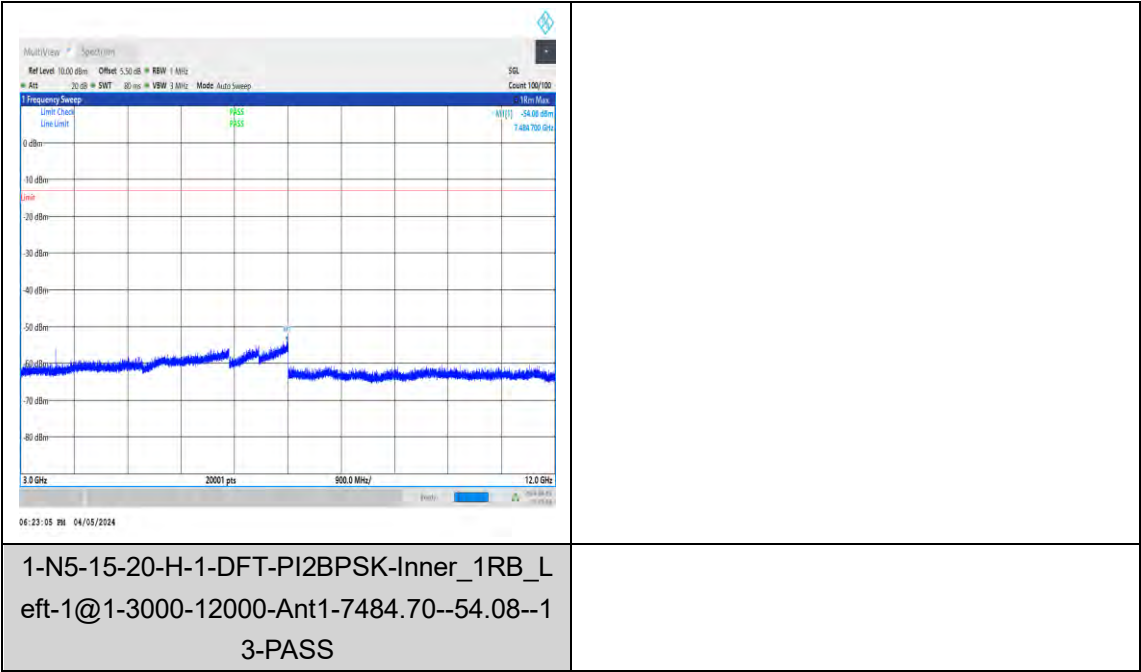
1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-0.15-30-Ant1-26.06--76.93--23-PAS
S



1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant1-34.85--59.15--13-PAS
S



1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-1000-3000-Ant1-2482.00--28.85--13 -PASS	1-N5-15-20-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-3000-12000-Ant1-7493.25--53.73--1 3-PASS
	
1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-0.009-0.15-Ant1-0.02--84.29--33-PA SS	1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-0.15-30-Ant1-29.22--76.52--23-PAS S
	
1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-30-1000-Ant1-34.37--59.53--13-PAS S	1-N5-15-20-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-1000-3000-Ant1-2489.50--29.07--13 -PASS



6. Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage											
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-6.800000	-0.008129	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-7.200000	-0.008607	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-8.000000	-0.009564	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-1.400000	-0.001674	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-1.400000	-0.001674	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-1.900000	-0.002271	±2.5	PASS

Frequency Error VS. Temperature

Voltage											
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-7.800000	-0.009325	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-8.600000	-0.010281	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-4.900000	-0.005858	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-6.600000	-0.007890	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-6.300000	-0.007531	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-6.700000	-0.008010	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.900000	-0.009444	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-7.300000	-0.0087	±2.5	PASS

			K						27		S
N5	15	20	DFT-PI2BPS K	M	Outer_Full	NV	40	-8.200000	-0.0098 03	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-0.200000	-0.0002 39	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-4.200000	-0.0050 21	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-4.000000	-0.0047 82	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	-3.300000	-0.0039 45	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-2.500000	-0.0029 89	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-3.500000	-0.0041 84	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-2.700000	-0.0032 28	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-3.700000	-0.0044 23	±2.5	PAS S
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	1.600000	0.00191 3	±2.5	PAS S

7. Field Strength of Spurious Radiation

For Sample #1:

Test Band = SA Band5_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1392	46.79	-48.01	25.20	-71.28	-13.00	58.28	Horizontal
2	2036	46.72	-47.83	26.27	-70.10	-13.00	57.10	Horizontal
3	2706.8571	46.29	-47.04	27.57	-68.44	-13.00	55.44	Horizontal
4	3482.2857	45.21	-46.54	28.58	-68.01	-13.00	55.01	Horizontal
5	4493.1429	44.77	-45.62	30.58	-65.53	-13.00	52.53	Horizontal
6	5878.2857	45.21	-44.90	32.38	-62.58	-13.00	49.58	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1356.5714	46.56	-48.06	25.18	-71.58	-13.00	58.58	Vertical
2	1920.5714	46.69	-48.02	25.96	-70.63	-13.00	57.63	Vertical
3	2549.7143	46.77	-47.10	27.29	-68.30	-13.00	55.30	Vertical
4	3488	45.27	-46.54	28.59	-67.94	-13.00	54.94	Vertical
5	4625.1429	44.13	-45.79	30.80	-66.12	-13.00	53.12	Vertical
6	6097.7143	45.10	-44.68	32.73	-62.11	-13.00	49.11	Vertical

Test Band = SA Band5_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1266.2857	47.00	-48.28	25.13	-71.41	-13.00	58.41	Horizontal
2	1847.4286	46.35	-48.00	25.74	-71.17	-13.00	58.17	Horizontal
3	2704.5714	46.37	-47.04	27.57	-68.37	-13.00	55.37	Horizontal
4	3870.8571	44.80	-46.21	29.19	-67.48	-13.00	54.48	Horizontal
5	5022.2857	44.68	-45.71	31.44	-64.85	-13.00	51.85	Horizontal
6	7021.1429	44.25	-43.71	35.06	-59.66	-13.00	46.66	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1417.7143	46.69	-48.06	25.22	-71.41	-13.00	58.41	Vertical
2	2092.5714	47.49	-47.72	26.39	-69.11	-13.00	56.11	Vertical
3	2987.4286	45.52	-46.53	28.08	-68.19	-13.00	55.19	Vertical
4	4120	43.97	-45.91	29.69	-67.51	-13.00	54.51	Vertical
5	5281.7143	45.04	-45.24	31.91	-63.55	-13.00	50.55	Vertical
6	6779.4286	44.80	-44.11	34.60	-59.96	-13.00	46.96	Vertical

Test Band = SA Band5_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1433.7143	46.68	-48.11	25.23	-71.45	-13.00	58.45	Horizontal
2	1992	46.44	-47.91	26.18	-70.56	-13.00	57.56	Horizontal
3	2989.7143	45.45	-46.53	28.08	-68.25	-13.00	55.25	Horizontal
4	3815.4286	44.99	-46.17	29.10	-67.34	-13.00	54.34	Horizontal
5	5601.1429	44.77	-45.26	32.32	-63.43	-13.00	50.43	Horizontal
6	6763.4286	44.90	-44.10	34.57	-59.88	-13.00	46.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1493.1429	46.51	-48.30	25.29	-71.75	-13.00	58.75	Vertical
2	2081.1429	46.68	-47.75	26.36	-69.96	-13.00	56.96	Vertical
3	3039.4286	45.92	-46.61	28.14	-67.81	-13.00	54.81	Vertical
4	4058.8571	44.09	-46.02	29.54	-67.65	-13.00	54.65	Vertical
5	5676	44.25	-44.74	32.34	-63.41	-13.00	50.41	Vertical
6	7330.8571	44.09	-43.41	35.93	-58.65	-13.00	45.65	Vertical

For Sample #2:

Test Band = SA Band5_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1403.4286	45.58	-48.01	25.20	-72.49	-13.00	59.49	Horizontal
2	2043.4286	45.56	-47.82	26.29	-71.23	-13.00	58.23	Horizontal
3	2569.1429	44.75	-47.03	27.32	-70.22	-13.00	57.22	Horizontal
4	3596.5714	44.03	-46.35	28.75	-68.82	-13.00	55.82	Horizontal
5	4416.5714	43.67	-45.84	30.40	-67.03	-13.00	54.03	Horizontal
6	5864	42.96	-44.86	32.37	-64.79	-13.00	51.79	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1280.5714	45.65	-48.22	25.14	-72.69	-13.00	59.69	Vertical
2	2432	46.08	-47.39	27.06	-69.51	-13.00	56.51	Vertical
3	3468.5714	43.34	-46.54	28.57	-69.89	-13.00	56.89	Vertical
4	4294.8571	43.17	-45.79	30.11	-67.77	-13.00	54.77	Vertical
5	6344	42.61	-44.67	33.57	-63.75	-13.00	50.75	Vertical
6	7372	42.18	-43.32	36.04	-60.36	-13.00	47.36	Vertical

Test Band = SA Band5_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1316.5714	46.42	-48.11	25.16	-71.79	-13.00	58.79	Horizontal
2	2186.2857	45.35	-47.68	26.57	-71.02	-13.00	58.02	Horizontal
3	3197.7143	43.47	-46.30	28.30	-69.79	-13.00	56.79	Horizontal
4	4004.5714	43.55	-46.19	29.41	-68.49	-13.00	55.49	Horizontal
5	5249.7143	43.65	-45.14	31.85	-64.90	-13.00	51.90	Horizontal
6	7556	40.91	-43.15	36.48	-61.02	-13.00	48.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1274.2857	46.53	-48.24	25.14	-71.84	-13.00	58.84	Vertical
2	1793.7143	45.20	-47.96	25.59	-72.43	-13.00	59.43	Vertical
3	2817.1429	43.85	-46.86	27.77	-70.50	-13.00	57.50	Vertical
4	3386.2857	43.33	-46.56	28.49	-70.00	-13.00	57.00	Vertical
5	4617.7143	43.11	-45.79	30.79	-67.15	-13.00	54.15	Vertical
6	6158.2857	43.15	-44.81	32.94	-63.98	-13.00	50.98	Vertical

Test Band = SA Band5_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1195.4286	46.03	-48.56	25.11	-72.68	-13.00	59.68	Horizontal
2	1629.7143	45.30	-48.24	25.43	-72.77	-13.00	59.77	Horizontal
3	2982.2857	43.86	-46.53	28.07	-69.86	-13.00	56.86	Horizontal
4	3929.1429	43.76	-46.22	29.29	-68.43	-13.00	55.43	Horizontal
5	5387.4286	43.71	-45.01	32.10	-64.46	-13.00	51.46	Horizontal
6	6326.8571	42.48	-44.64	33.51	-63.91	-13.00	50.91	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1321.1429	46.16	-48.10	25.16	-72.04	-13.00	59.04	Vertical
2	1800	45.26	-47.95	25.60	-72.35	-13.00	59.35	Vertical
3	3517.1429	43.64	-46.51	28.63	-69.50	-13.00	56.50	Vertical
4	5024.5714	43.31	-45.70	31.44	-66.21	-13.00	53.21	Vertical
5	6761.1429	42.00	-44.10	34.57	-62.79	-13.00	49.79	Vertical
6	8342.2857	40.31	-41.96	36.89	-60.01	-13.00	47.01	Vertical