

Contents

1. Effective (Isotropic) Radiated Power Output Data for SA.....	2
2. Peak-to-Average Ratio for SA	6
3. 26dB Bandwidth and Occupied Bandwidth for SA	8
4. Band Edge for SA	15
5. Conducted Spurious Emission for SA.....	20
6. Frequency Stability for SA.....	24
7. Field Strength of Spurious Radiation	25

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

Test Result Ant0

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.3	21.50	44.77	PASS
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.99	21.19	44.77	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	23.12	21.32	44.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Left	23.15	21.35	44.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Right	22.87	21.07	44.77	PASS
N12	15	5	DFT-QPSK	L	Outer_Full	23.12	21.32	44.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Left	23.23	21.43	44.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Right	23.03	21.23	44.77	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	22.22	20.42	44.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Left	21.96	20.16	44.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Right	21.56	19.76	44.77	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	21.68	19.88	44.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Left	19.9	18.10	44.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Right	19.52	17.72	44.77	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	19.65	17.85	44.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.02	21.22	44.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.99	21.19	44.77	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	22.99	21.19	44.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Left	22.78	20.98	44.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Right	22.9	21.10	44.77	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	23.01	21.21	44.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Left	23.01	21.21	44.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Right	22.94	21.14	44.77	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	21.94	20.14	44.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Left	21.47	19.67	44.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Right	21.46	19.66	44.77	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	21.56	19.76	44.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Left	19.38	17.58	44.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Right	19.28	17.48	44.77	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	19.46	17.66	44.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.97	21.17	44.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.23	21.43	44.77	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	23.11	21.31	44.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Left	22.91	21.11	44.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Right	23.12	21.32	44.77	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	23.08	21.28	44.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Left	22.97	21.17	44.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Right	23.04	21.24	44.77	PASS

N12	15	5	DFT-16QAM	H	Outer_Full	22.17	20.37	44.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Left	21.45	19.65	44.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Right	21.67	19.87	44.77	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	21.59	19.79	44.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Left	19.61	17.81	44.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Right	19.73	17.93	44.77	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	19.67	17.87	44.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.37	21.57	44.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.93	21.13	44.77	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	23	21.20	44.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Left	23.25	21.45	44.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Right	22.91	21.11	44.77	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	23	21.20	44.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Left	23	21.20	44.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Right	22.85	21.05	44.77	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	22.07	20.27	44.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Left	21.77	19.97	44.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Right	21.29	19.49	44.77	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	21.52	19.72	44.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Left	19.63	17.83	44.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Right	19.3	17.50	44.77	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	19.59	17.79	44.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.1	21.30	44.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.15	21.35	44.77	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	22.97	21.17	44.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Left	22.97	21.17	44.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Right	23.06	21.26	44.77	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	22.91	21.11	44.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Left	23.04	21.24	44.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Right	23.16	21.36	44.77	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	21.98	20.18	44.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Left	21.48	19.68	44.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Right	21.53	19.73	44.77	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	21.41	19.61	44.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Left	19.57	17.77	44.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Right	19.59	17.79	44.77	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	19.45	17.65	44.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.54	21.74	44.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.31	21.51	44.77	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	23.12	21.32	44.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Left	22.9	21.10	44.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Right	23.23	21.43	44.77	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	23.06	21.26	44.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Left	22.89	21.09	44.77	PASS

N12	15	10	DFT-16QAM	H	Inner_1RB_Right	23.19	21.39	44.77	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	22.06	20.26	44.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Left	21.34	19.54	44.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Right	21.86	20.06	44.77	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	21.56	19.76	44.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Left	19.4	17.60	44.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Right	19.75	17.95	44.77	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	19.58	17.78	44.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.15	21.35	44.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.11	21.31	44.77	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	22.98	21.18	44.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Left	23.03	21.23	44.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Right	23.05	21.25	44.77	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	22.99	21.19	44.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Left	23.33	21.53	44.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Right	23.05	21.25	44.77	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	22	20.20	44.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Left	21.67	19.87	44.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Right	21.71	19.91	44.77	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	21.54	19.74	44.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Left	19.69	17.89	44.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Right	19.65	17.85	44.77	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	19.52	17.72	44.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.18	21.38	44.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.22	21.42	44.77	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	22.95	21.15	44.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Left	23.11	21.31	44.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Right	23.08	21.28	44.77	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	22.92	21.12	44.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Left	23.02	21.22	44.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Right	23.05	21.25	44.77	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	22.02	20.22	44.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Left	21.77	19.97	44.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Right	21.67	19.87	44.77	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	21.55	19.75	44.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Left	19.58	17.78	44.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Right	19.67	17.87	44.77	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	19.52	17.72	44.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.07	21.27	44.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.33	21.53	44.77	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	22.97	21.17	44.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Left	23.08	21.28	44.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Right	23.24	21.44	44.77	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	22.98	21.18	44.77	PASS

N12	15	15	DFT-16QAM	H	Inner_1RB_Left	23.12	21.32	44.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Right	23.2	21.40	44.77	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	21.95	20.15	44.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Left	21.58	19.78	44.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Right	21.8	20.00	44.77	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	21.49	19.69	44.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Left	19.5	17.70	44.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Right	19.78	17.98	44.77	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	19.54	17.74	44.77	PASS

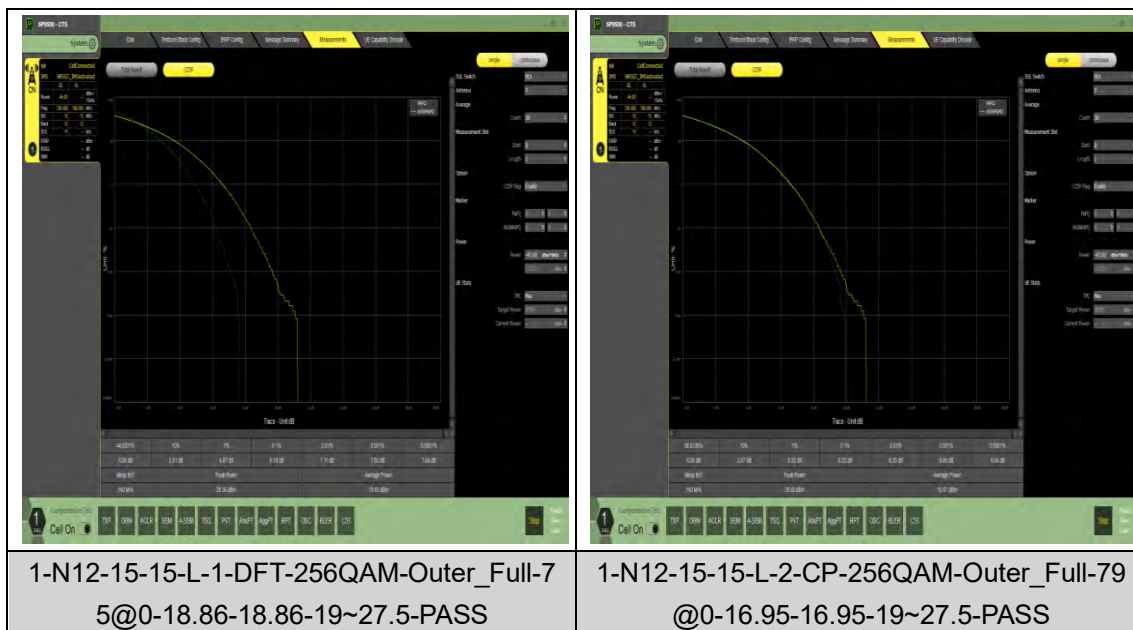
2. Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

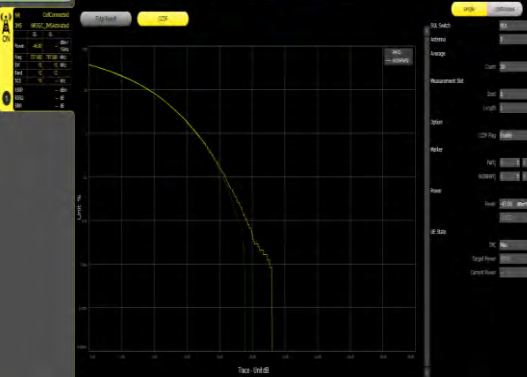
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N12	15	15	DFT-256QAM	L	Outer_Full	6.19	13	PASS
N12	15	15	CP-256QAM	L	Outer_Full	8.32	13	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	6.28	13	PASS
N12	15	15	CP-256QAM	M	Outer_Full	8.21	13	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	6.24	13	PASS
N12	15	15	CP-256QAM	H	Outer_Full	8.23	13	PASS

Test Graphs

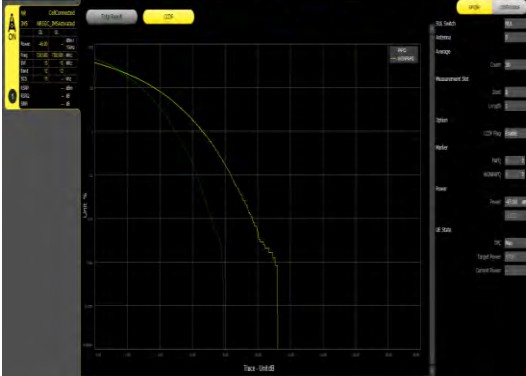




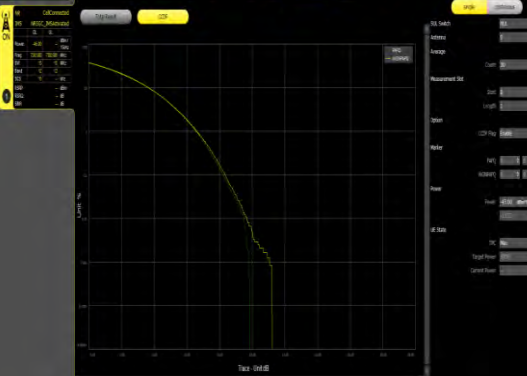
1-N12-15-15-M-1-DFT-256QAM-Outer_Full-7
5@0-18.94-18.94-19~27.5-PASS



1-N12-15-15-M-2-CP-256QAM-Outer_Full-79
@0-17.01-17.01-19~27.5-PASS



1-N12-15-15-H-1-DFT-256QAM-Outer_Full-7
5@0-19.03-19.03-19~27.5-PASS



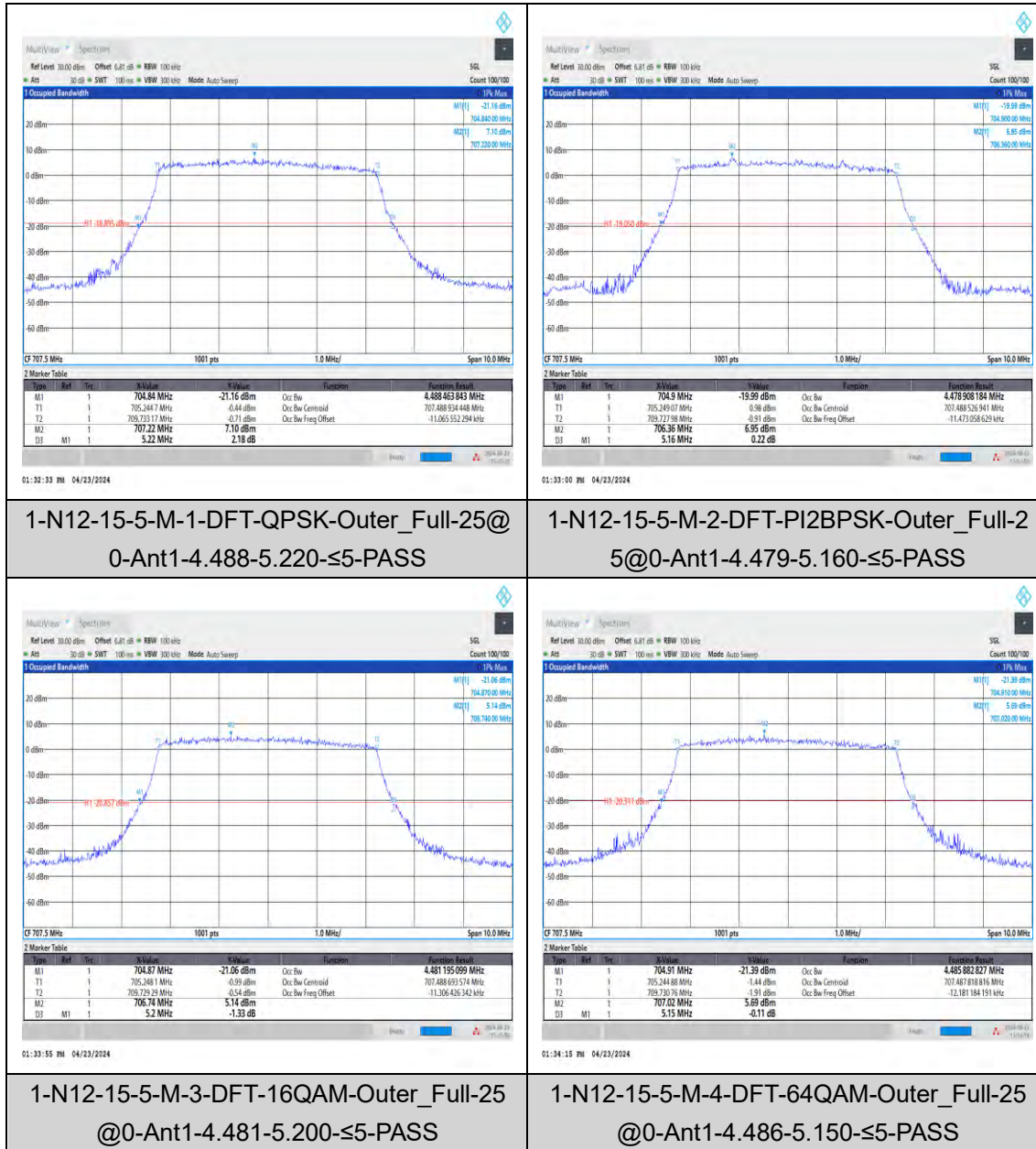
1-N12-15-15-H-2-CP-256QAM-Outer_Full-79
@0-17.03-17.03-19~27.5-PASS

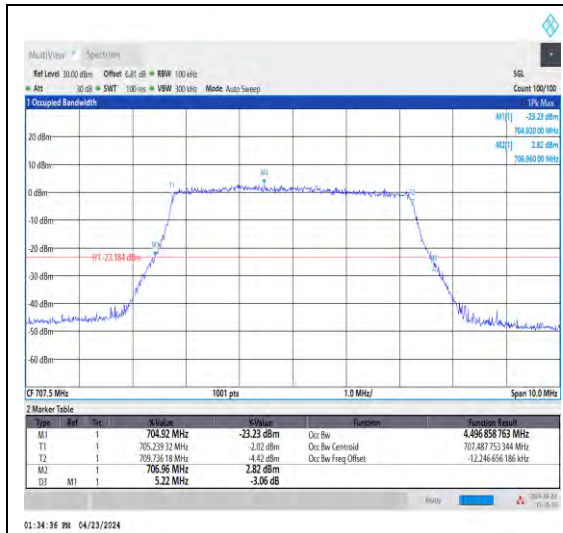
3. 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

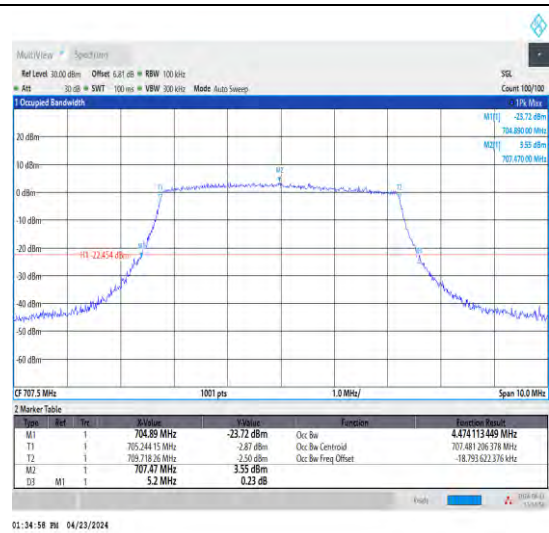
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N12	15	5	DFT-QPSK	M	Outer_Full	4.488	5.220	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	4.479	5.160	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	4.481	5.200	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	4.486	5.150	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	4.497	5.220	PASS
N12	15	5	CP-QPSK	M	Outer_Full	4.474	5.200	PASS
N12	15	5	CP-16QAM	M	Outer_Full	4.481	5.250	PASS
N12	15	5	CP-64QAM	M	Outer_Full	4.484	5.170	PASS
N12	15	5	CP-256QAM	M	Outer_Full	4.477	5.220	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	8.857	9.560	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	8.883	9.540	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	8.923	9.540	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	8.915	9.440	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	8.879	9.600	PASS
N12	15	10	CP-QPSK	M	Outer_Full	9.227	10.040	PASS
N12	15	10	CP-16QAM	M	Outer_Full	9.219	9.960	PASS
N12	15	10	CP-64QAM	M	Outer_Full	9.223	9.980	PASS
N12	15	10	CP-256QAM	M	Outer_Full	9.225	9.980	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	13.375	14.550	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	13.374	14.580	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	13.37	14.490	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	13.376	14.520	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	13.381	14.490	PASS
N12	15	15	CP-QPSK	M	Outer_Full	14.064	15.210	PASS
N12	15	15	CP-16QAM	M	Outer_Full	14.061	15.180	PASS
N12	15	15	CP-64QAM	M	Outer_Full	14.072	15.270	PASS
N12	15	15	CP-256QAM	M	Outer_Full	14.054	15.210	PASS

Test Graphs

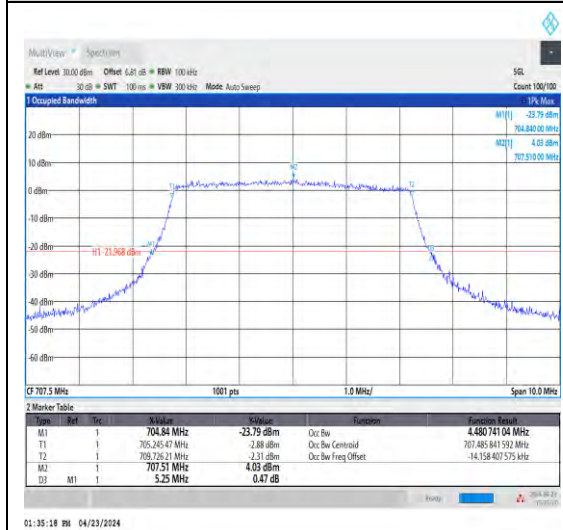




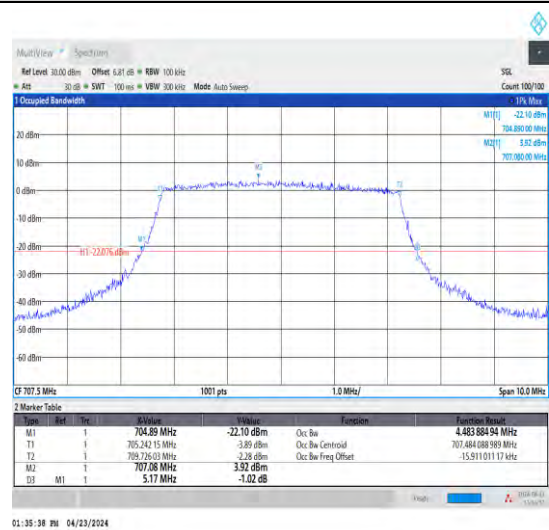
1-N12-15-5-M-5-DFT-256QAM-Outer_Full-25
@0-Ant1-4.497-5.220-≤5-PASS



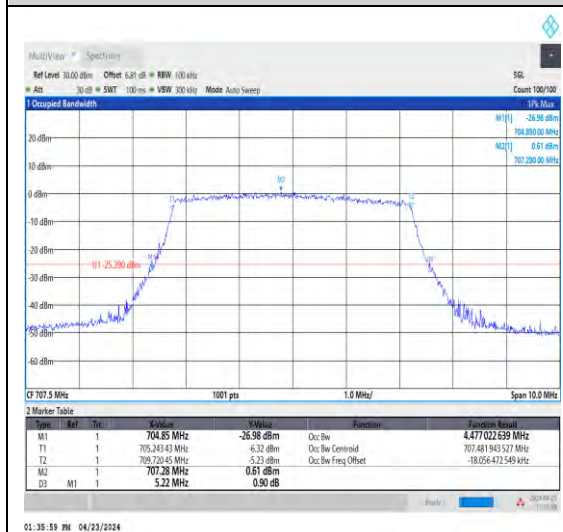
1-N12-15-5-M-6-CP-QPSK-Outer_Full-25@0
-Ant1-4.474-5.200-≤5-PASS



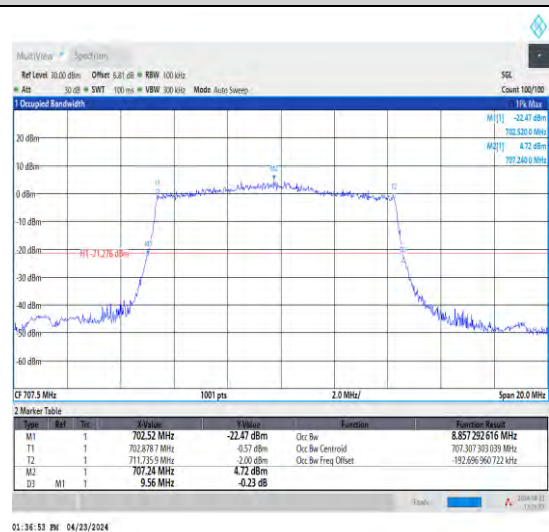
1-N12-15-5-M-7-CP-16QAM-Outer_Full-25@
0-Ant1-4.481-5.250-≤5-PASS



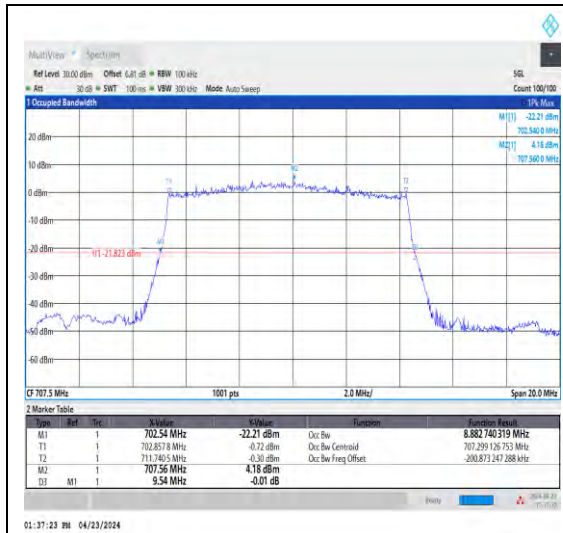
1-N12-15-5-M-8-CP-64QAM-Outer_Full-25@
0-Ant1-4.484-5.170-≤5-PASS



1-N12-15-5-M-9-CP-256QAM-Outer_Full-25
@0-Ant1-4.477-5.220-≤5-PASS



1-N12-15-10-M-1-DFT-QPSK-Outer_Full-50
@0-Ant1-8.857-9.560-≤10-PASS



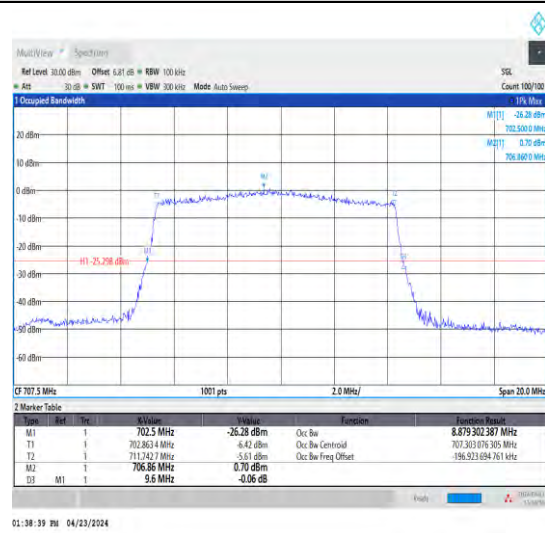
1-N12-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.883-9.540-≤10-PASS



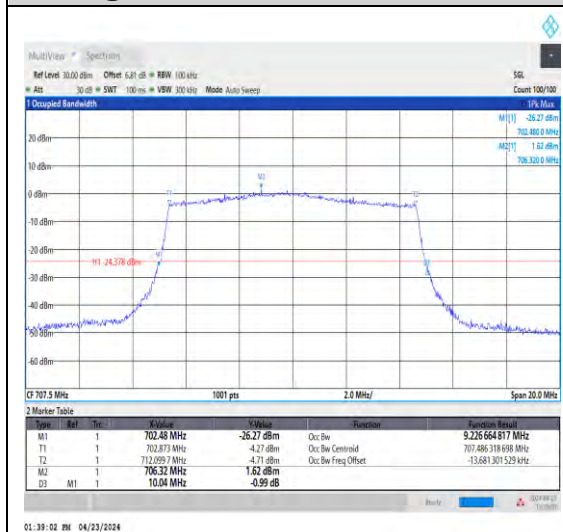
1-N12-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.923-9.540-≤10-PASS



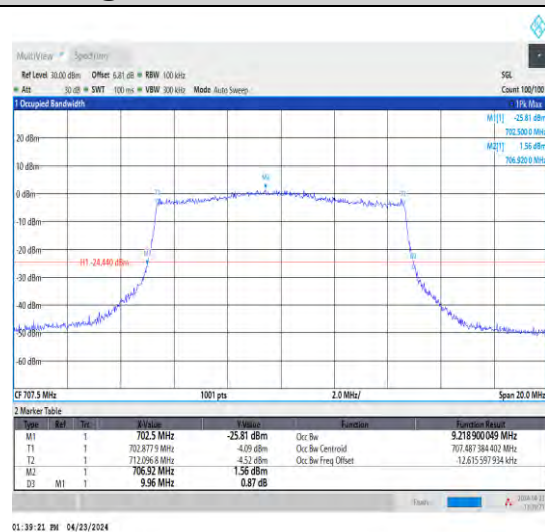
1-N12-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.915-9.440-≤10-PASS



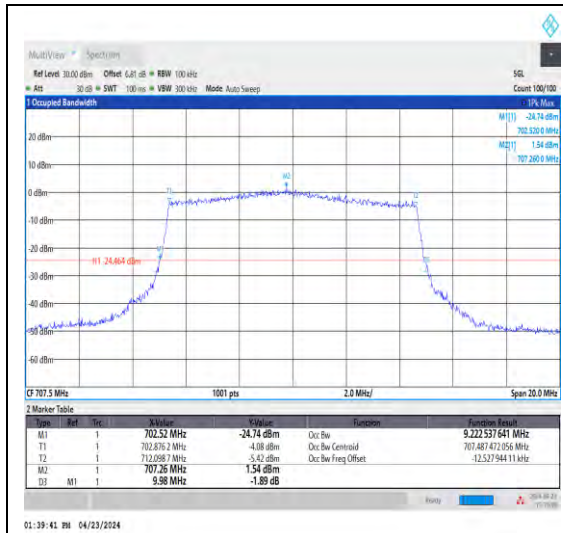
1-N12-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.879-9.600-≤10-PASS



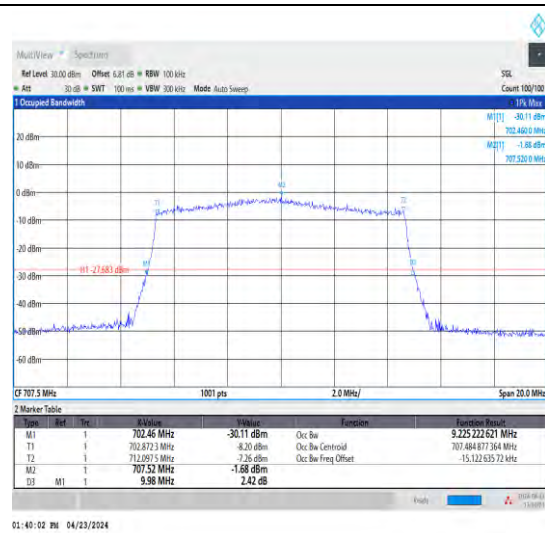
1-N12-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.227-10.040-≤10-PASS



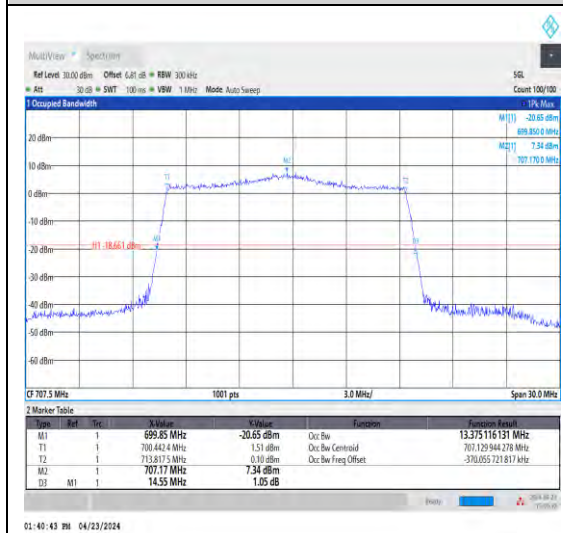
1-N12-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.219-9.960-≤10-PASS



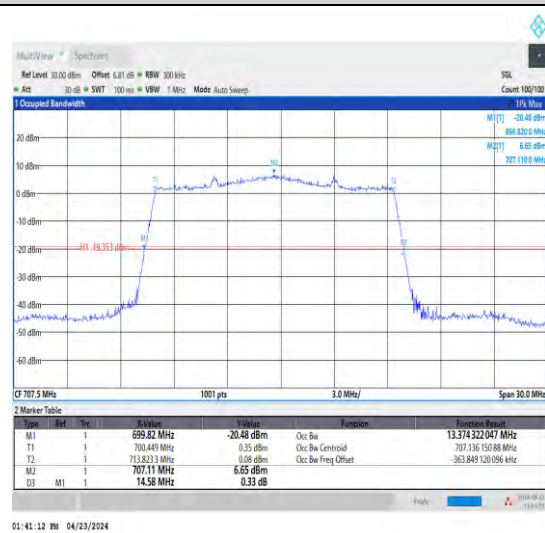
1-N12-15-10-M-8-CP-64QAM-Outer_Full-52
@0-Ant1-9.223-9.980≤10-PASS



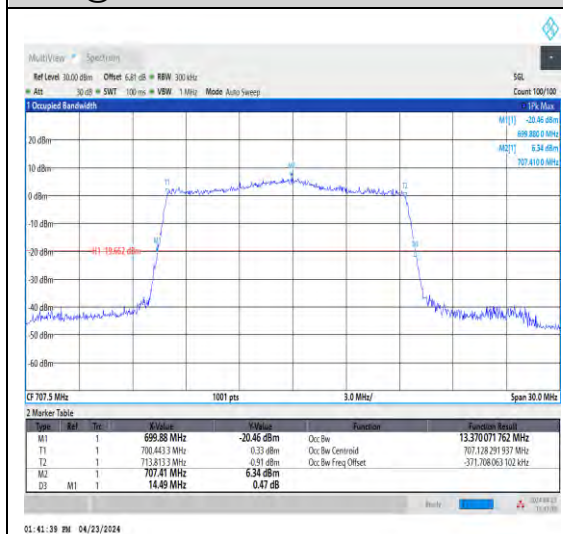
1-N12-15-10-M-9-CP-256QAM-Outer_Full-52
@0-Ant1-9.225-9.980≤10-PASS



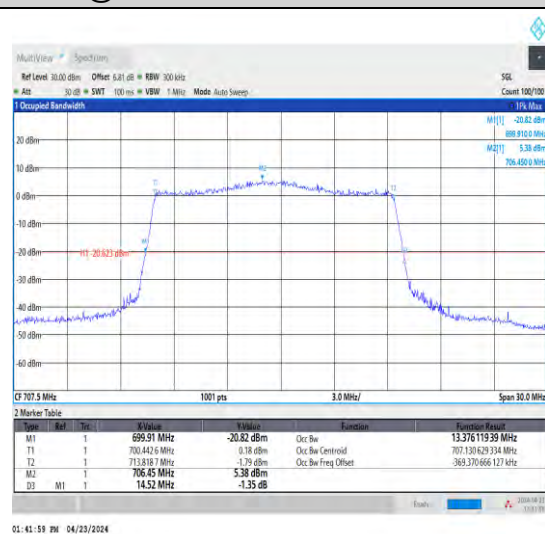
1-N12-15-15-M-1-DFT-QPSK-Outer_Full-75
@0-Ant1-13.375-14.550≤15-PASS



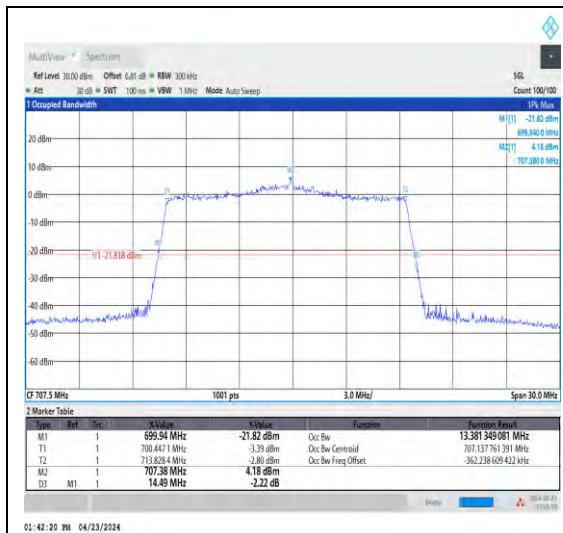
1-N12-15-15-M-2-DFT-PI2BPSK-Outer_Full-75
@0-Ant1-13.374-14.580≤15-PASS



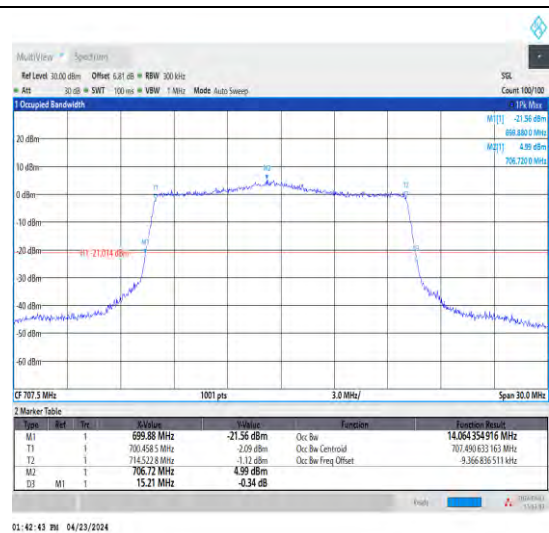
1-N12-15-15-M-3-DFT-16QAM-Outer_Full-75
@0-Ant1-13.37-14.490≤15-PASS



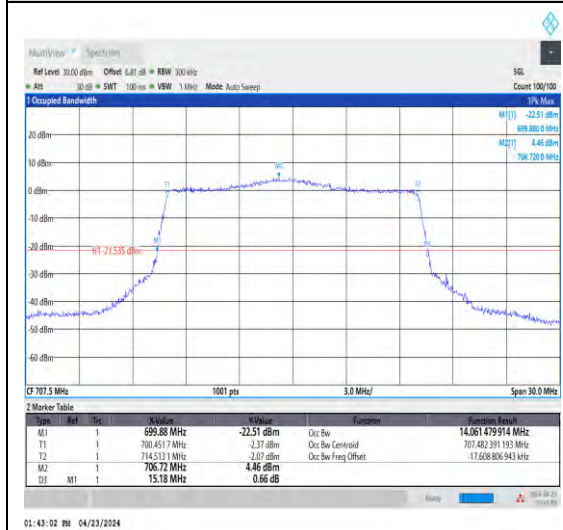
1-N12-15-15-M-4-DFT-64QAM-Outer_Full-75
@0-Ant1-13.376-14.520≤15-PASS



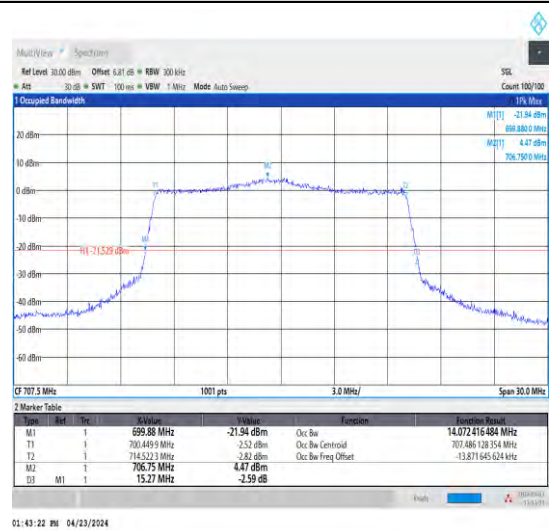
1-N12-15-15-M-5-DFT-256QAM-Out_ Full-79@0-Ant1-13.381-14.490-≤15-PASS



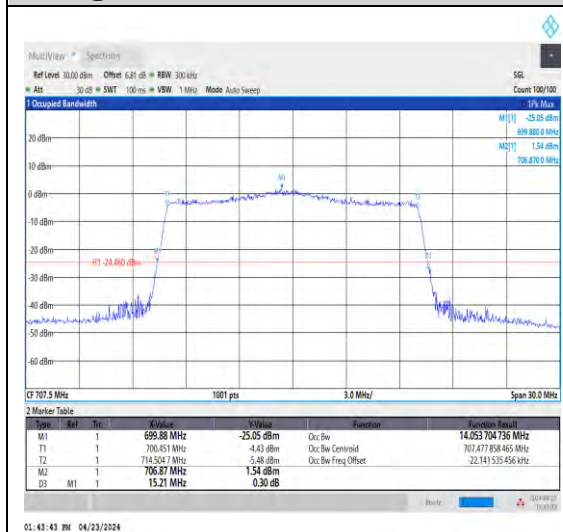
1-N12-15-15-M-6-CP-QPSK-Out_ Full-79@0-Ant1-14.064-15.210-≤15-PASS



1-N12-15-15-M-7-CP-16QAM-Out_ Full-79@0-Ant1-14.061-15.180-≤15-PASS



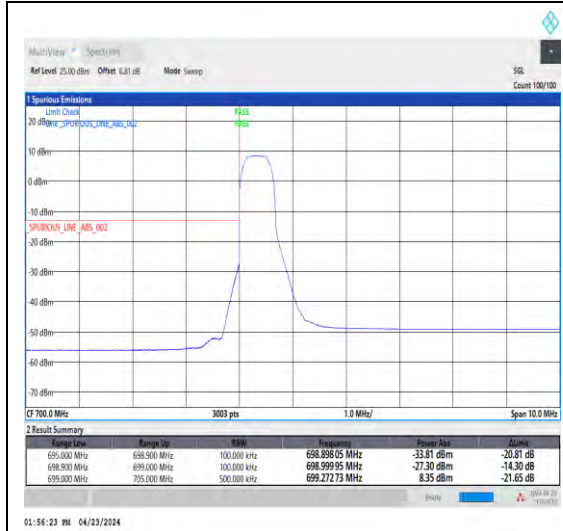
1-N12-15-15-M-8-CP-64QAM-Out_ Full-79@0-Ant1-14.072-15.270-≤15-PASS



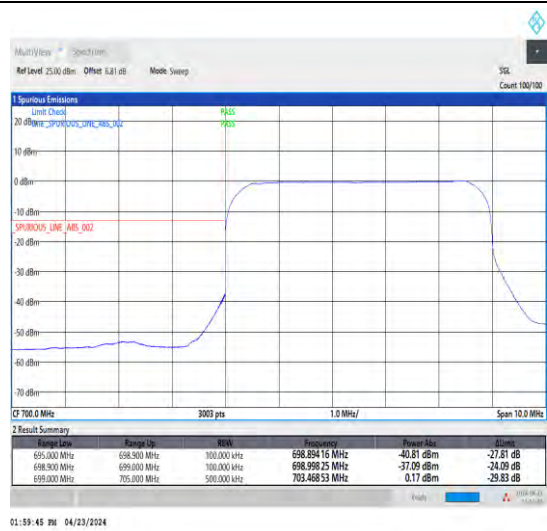
1-N12-15-15-M-9-CP-256QAM-Out_ Full-79@0-Ant1-14.054-15.210-≤15-PASS

4. Band Edge for SA

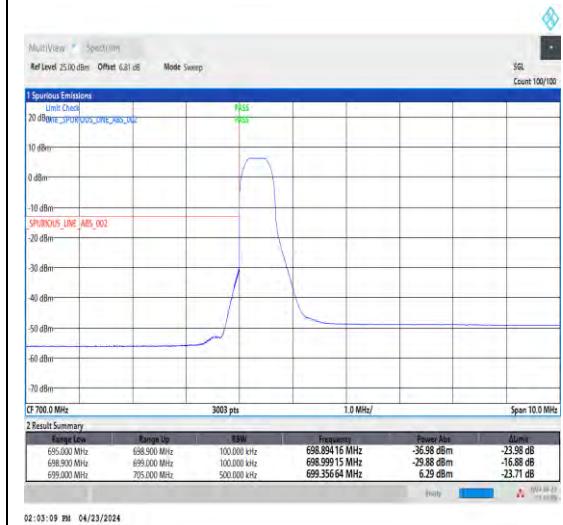
Test Graphs



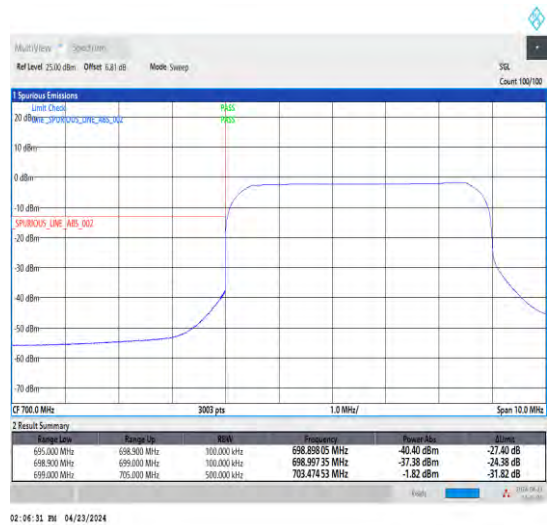
1-N12-15-5-L-1-DFT-PI2BPSK-Edge_1RB_L
eft-1@0-Ant1-1--PASS-see graph



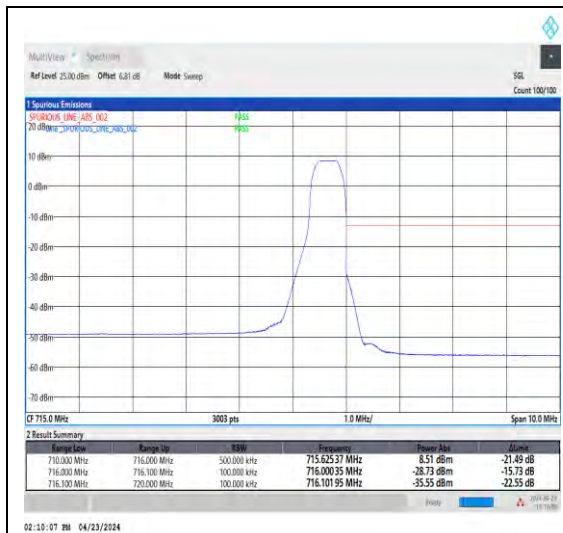
1-N12-15-5-L-3-DFT-PI2BPSK-Outer_Full-25
@0-Ant1-1--PASS-see graph



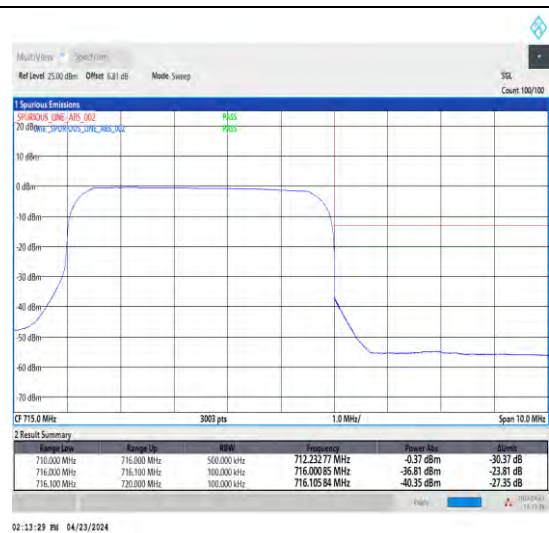
1-N12-15-5-L-4-CP-QPSK-Edge_1RB_Left-1
@0-Ant1-1--PASS-see graph



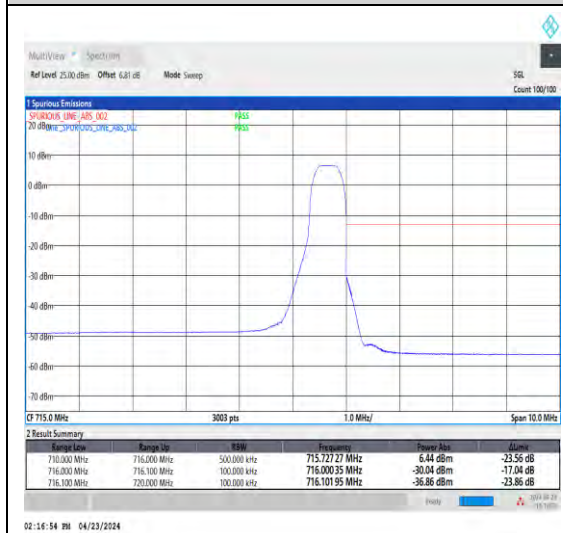
1-N12-15-5-L-6-CP-QPSK-Outer_Full-25@0-
Ant1-1--PASS-see graph



1-N12-15-5-H-2-DFT-PI2BPSK-Edge_1RB_R
ight-1@24-Ant1-1--PASS-see graph



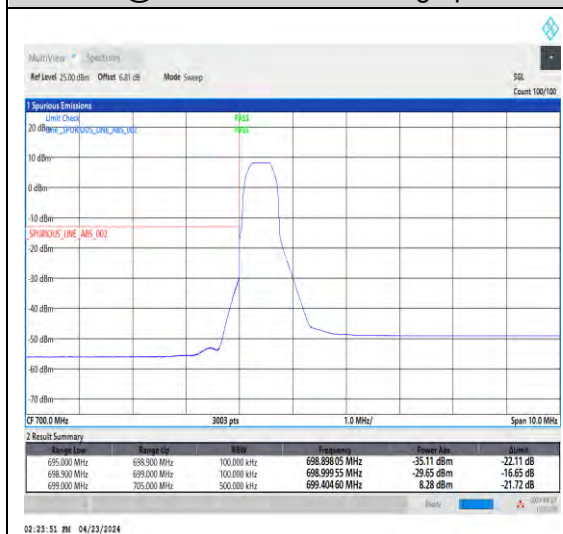
1-N12-15-5-H-3-DFT-PI2BPSK-Outer_Full-25
@0-Ant1-1--PASS-see graph



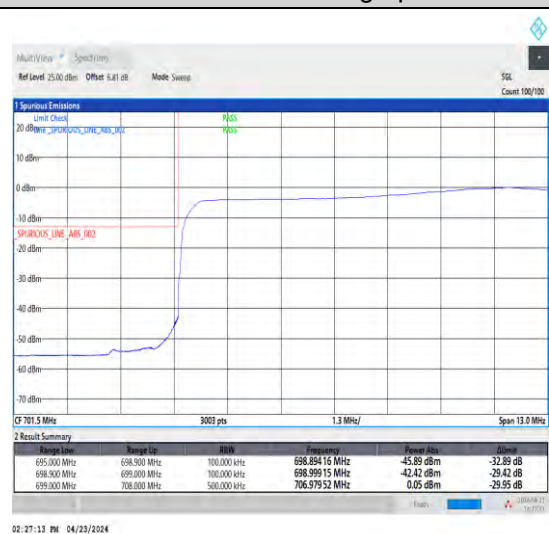
1-N12-15-5-H-5-CP-QPSK-Edge_1RB_Right
-1@24-Ant1-1--PASS-see graph



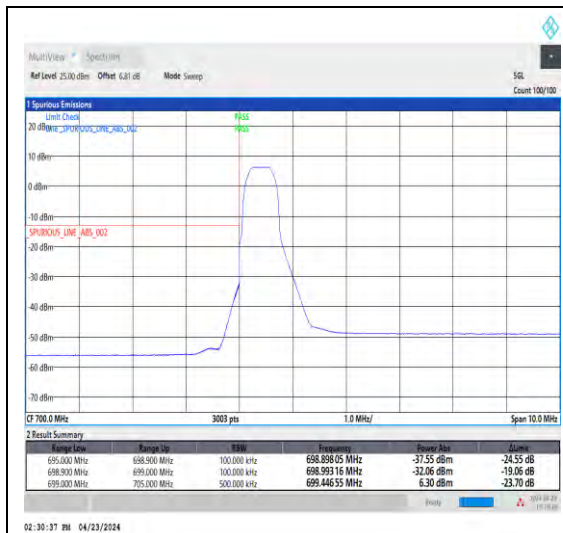
1-N12-15-5-H-6-CP-QPSK-Outer_Full-25@0-
Ant1-1--PASS-see graph



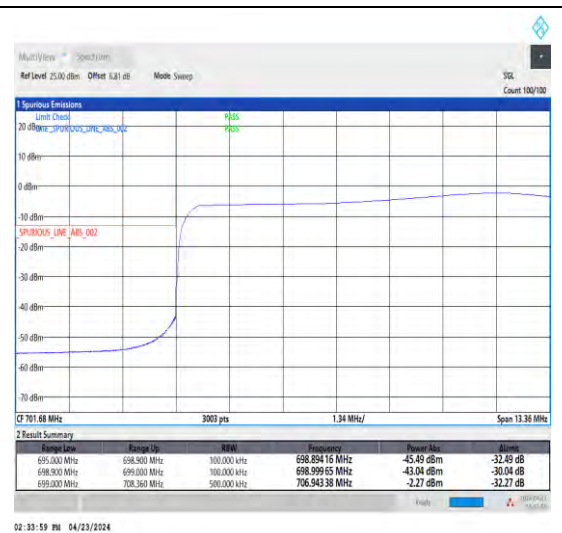
1-N12-15-10-L-1-DFT-PI2BPSK-Edge_1RB_
Left-1@0-Ant1-1--PASS-see graph



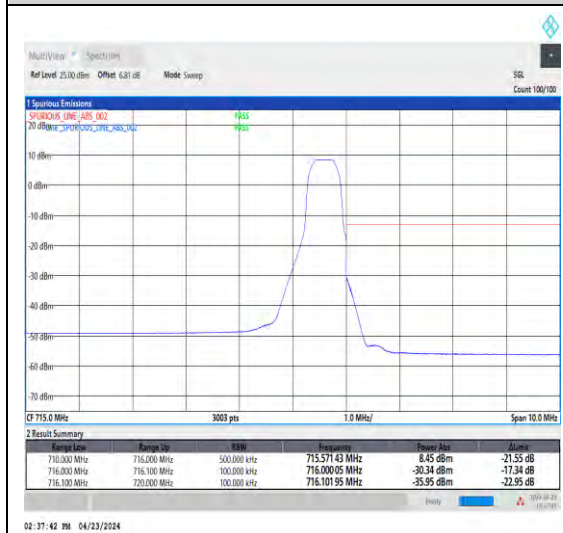
1-N12-15-10-L-3-DFT-PI2BPSK-Outer_Full-5
0@0-Ant1-1--PASS-see graph



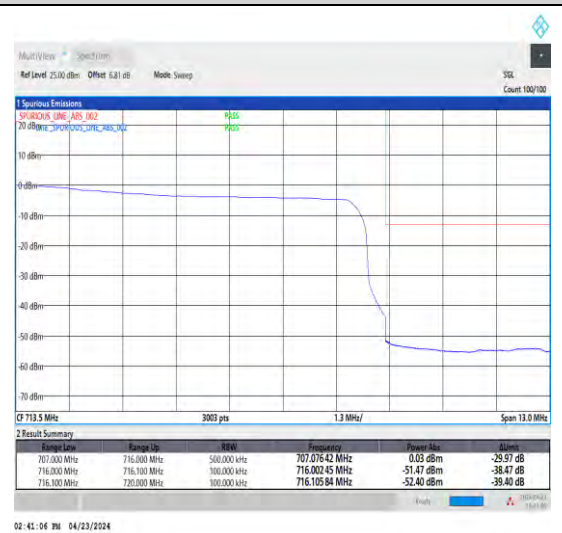
1-N12-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



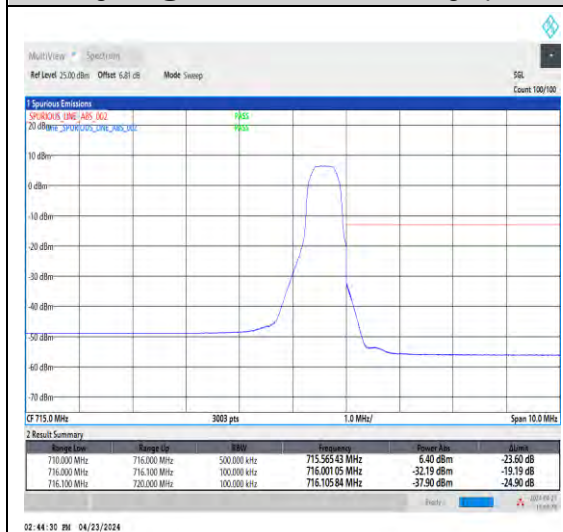
1-N12-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



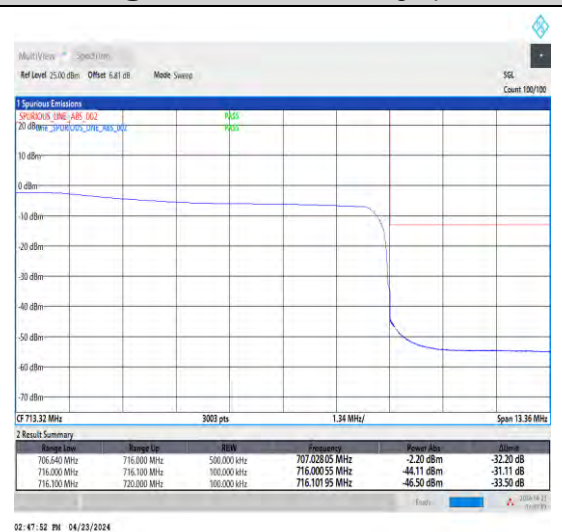
1-N12-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph



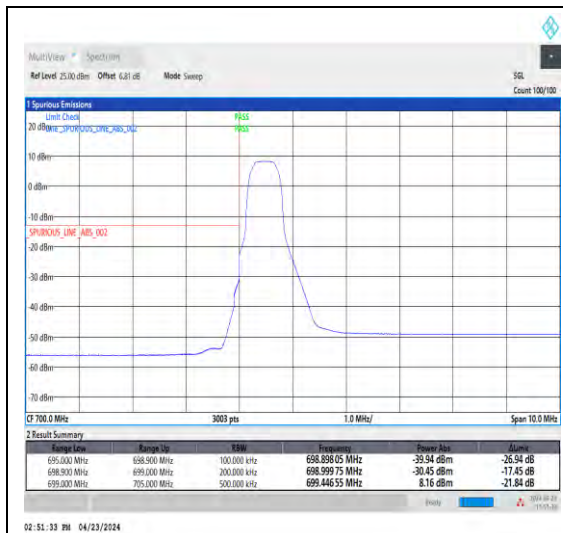
1-N12-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



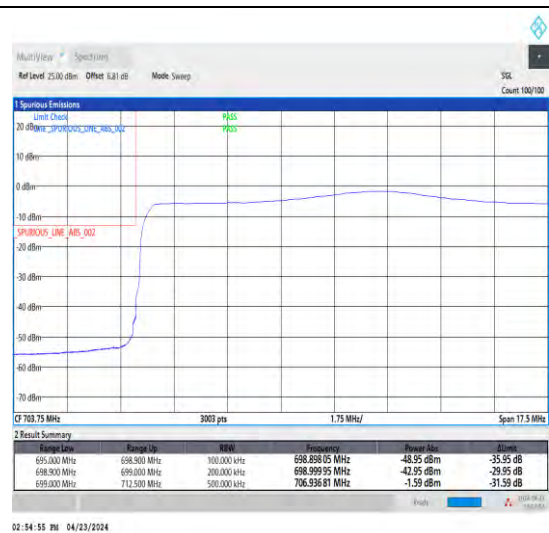
1-N12-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph



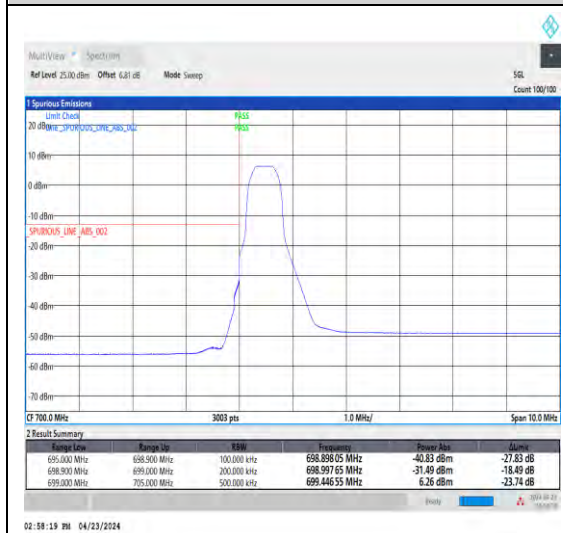
1-N12-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



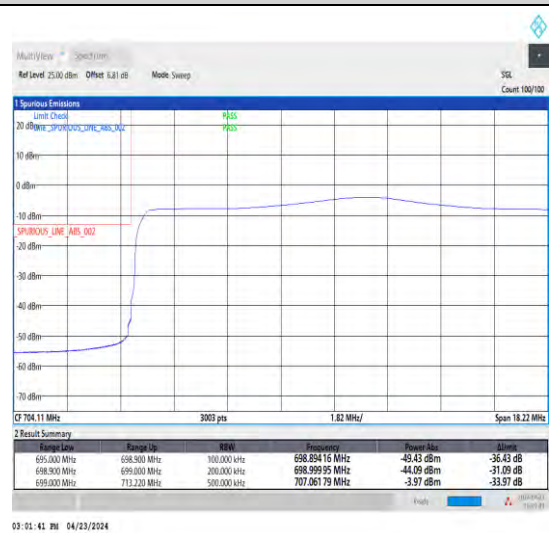
1-N12-15-15-L-1-DFT-PI2BPSK-Edge_1RB_
Left-1@0-Ant1-1--PASS-see graph



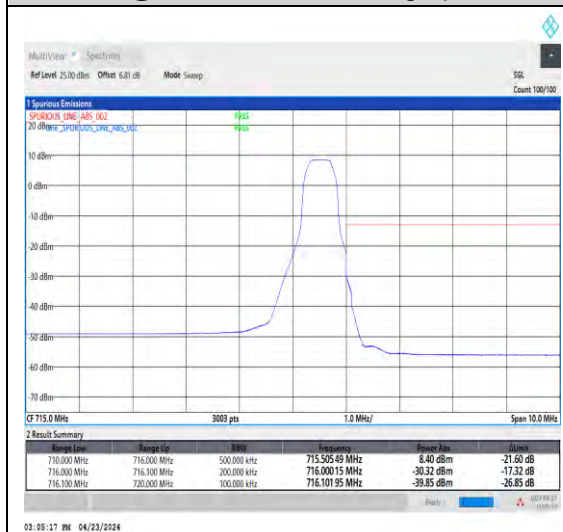
1-N12-15-15-L-3-DFT-PI2BPSK-Outer_Full-7
5@0-Ant1-1--PASS-see graph



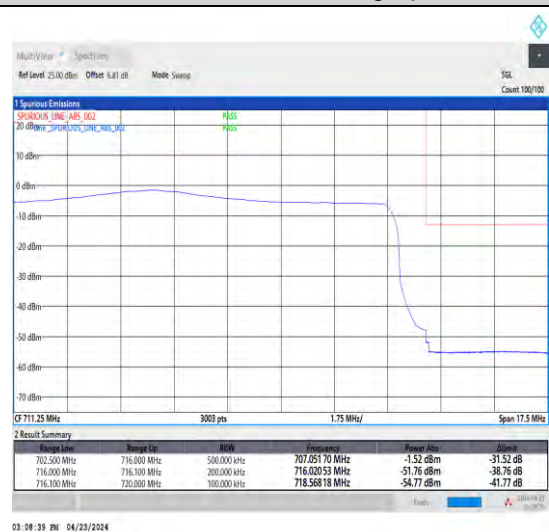
1-N12-15-15-L-4-CP-QPSK-Edge_1RB_Left-
1@0-Ant1-1--PASS-see graph



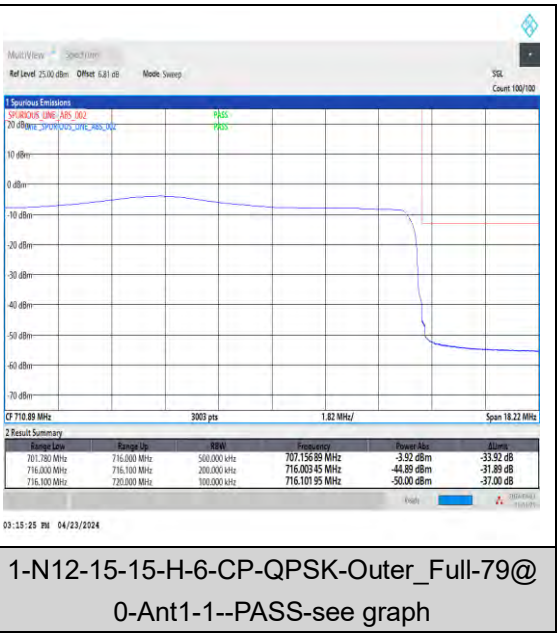
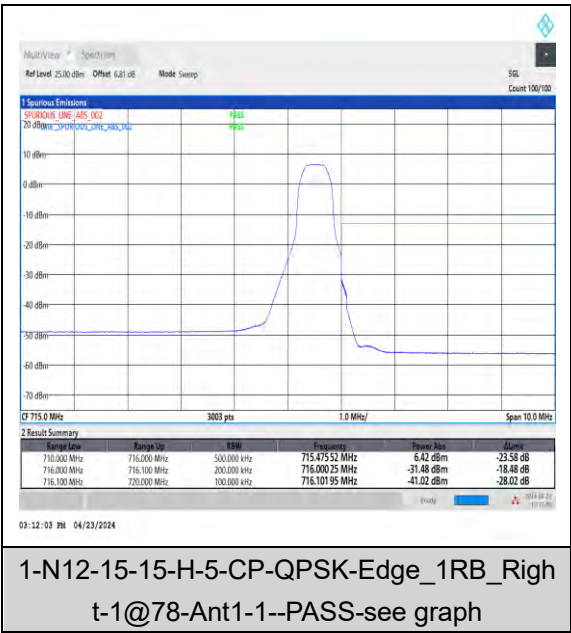
1-N12-15-15-L-6-CP-QPSK-Outer_Full-79@
0-Ant1-1--PASS-see graph



1-N12-15-15-H-2-DFT-PI2BPSK-Edge_1RB_
Right-1@78-Ant1-1--PASS-see graph

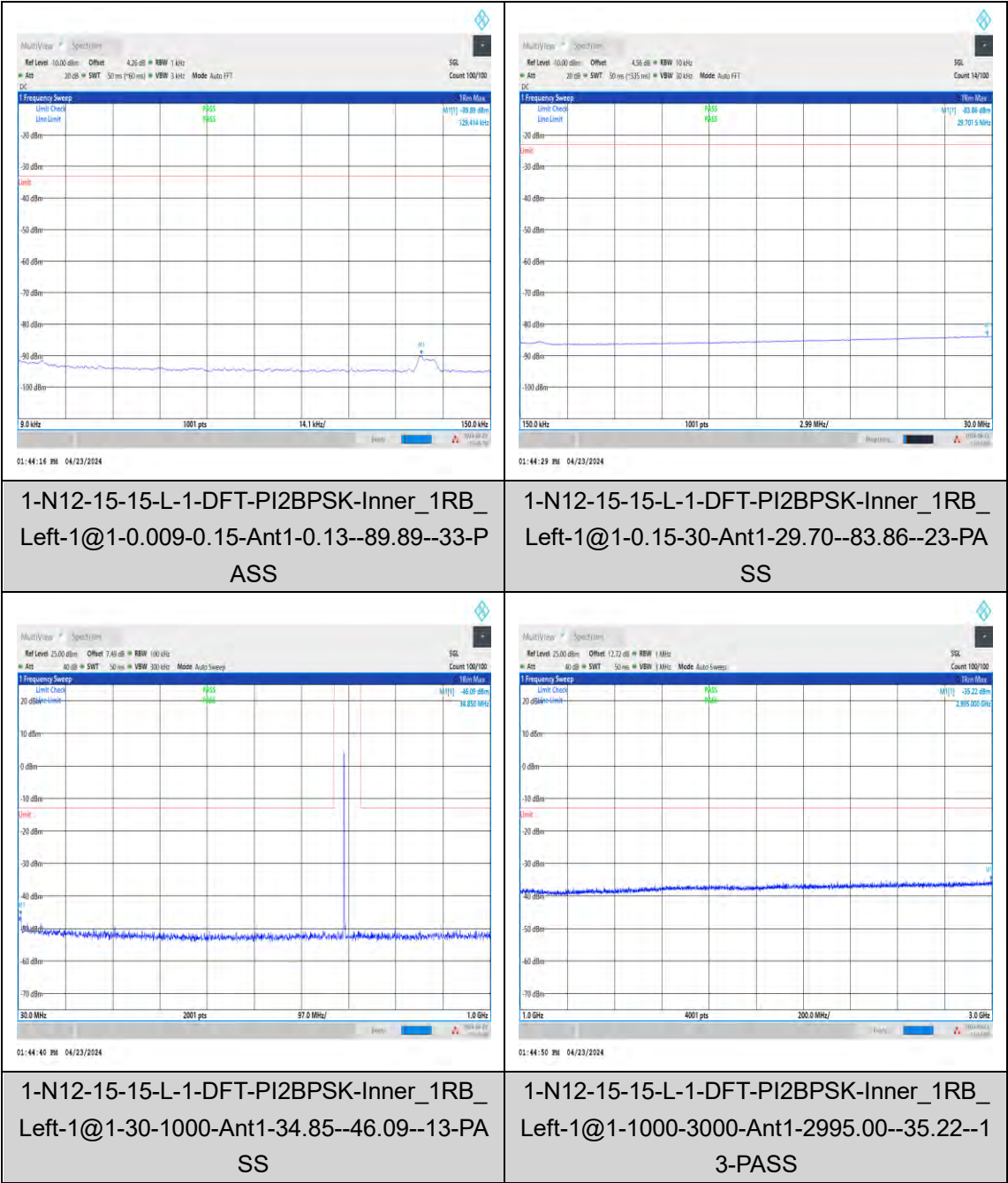


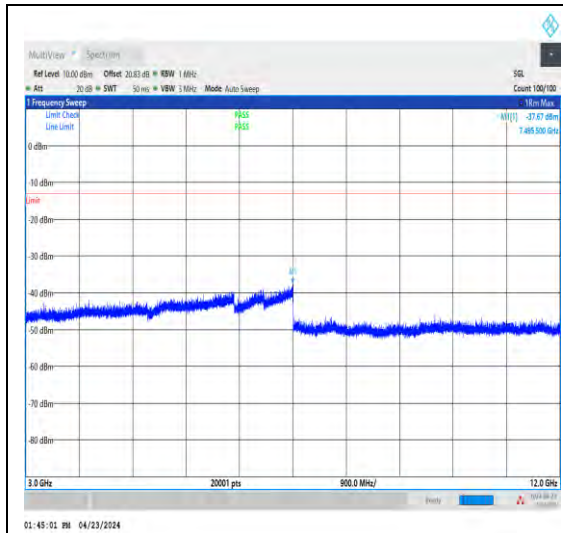
1-N12-15-15-H-3-DFT-PI2BPSK-Outer_Full-7
5@0-Ant1-1--PASS-see graph



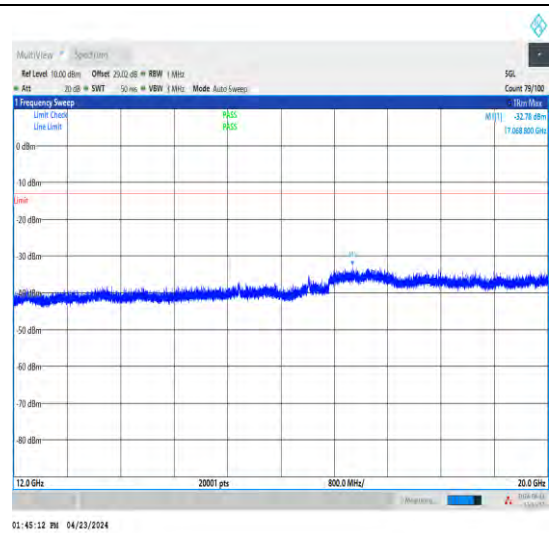
5. Conducted Spurious Emission for SA

Test Graphs

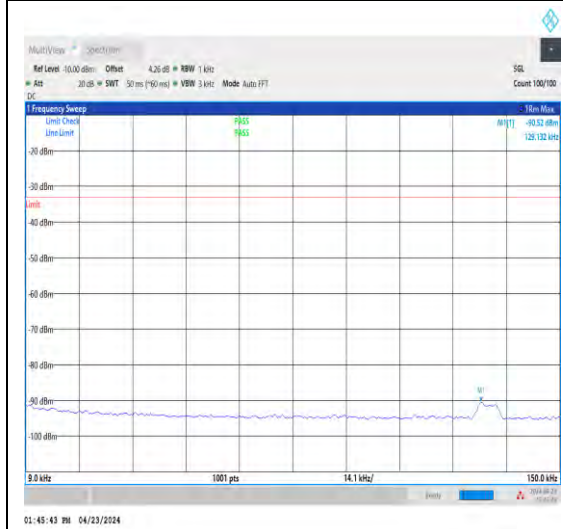




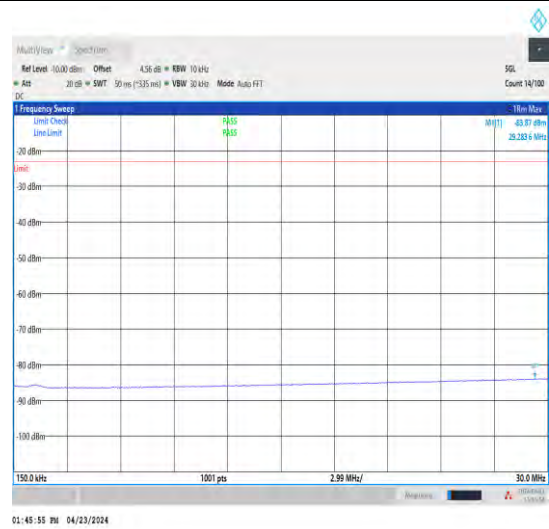
1-N12-15-15-L-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-3000-12000-Ant1-7495.50--37.67--
13-PASS



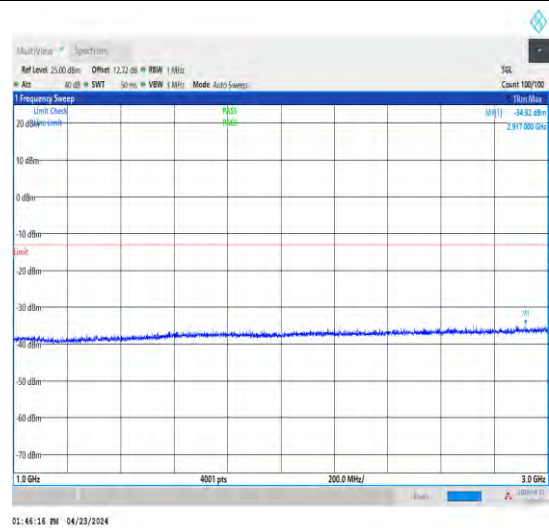
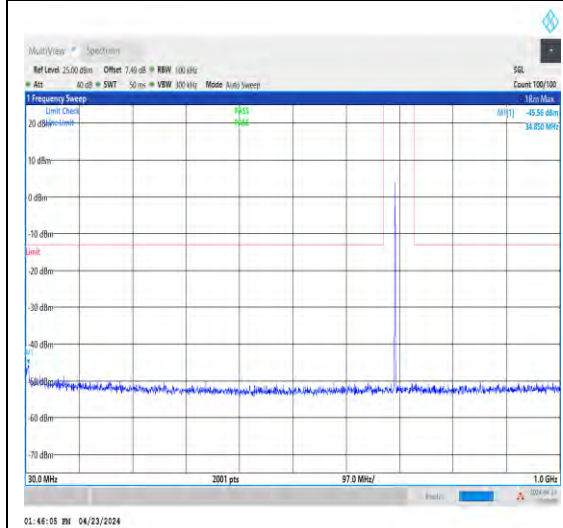
1-N12-15-15-L-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-12000-20000-Ant1-17068.80--32.7
8--13-PASS



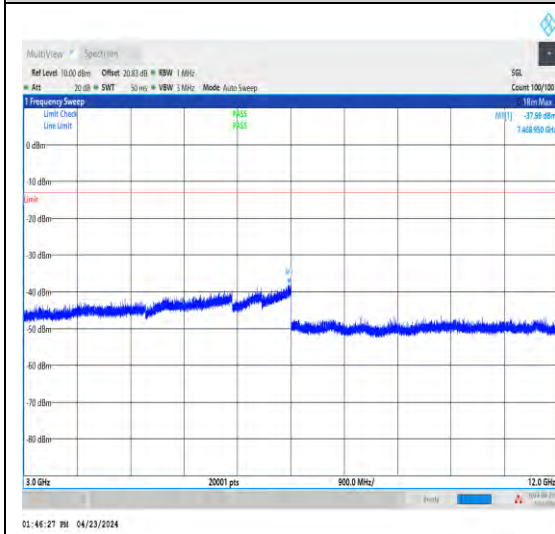
1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-0.009-0.15-Ant1-0.13--90.52--33-P
ASS



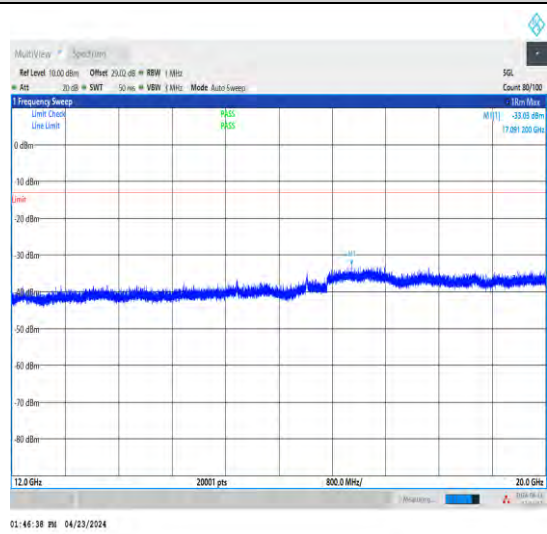
1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-0.15-30-Ant1-29.28--83.87--23-PA
SS



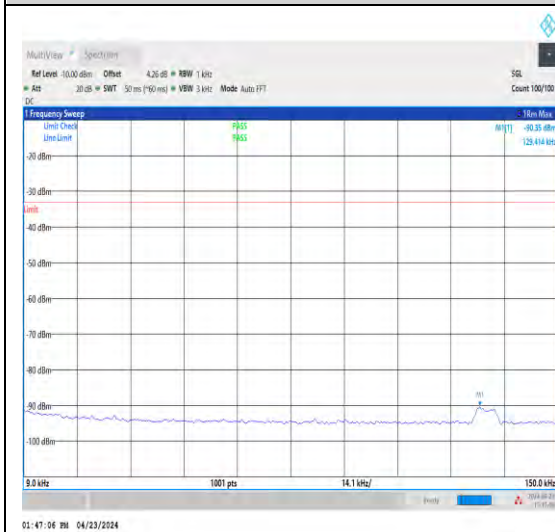
1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-30-1000-Ant1-34.85--45.56--13-PA
SS



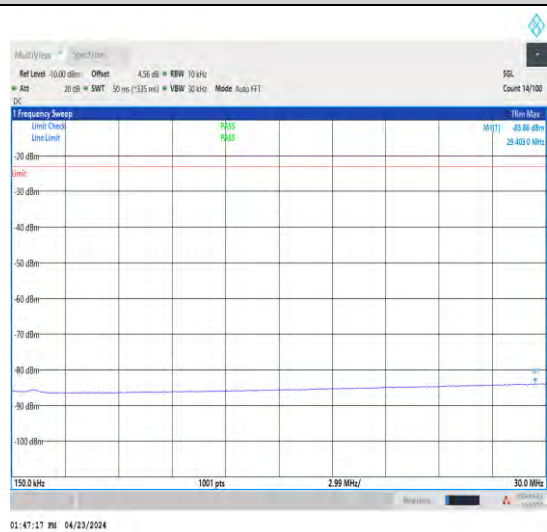
1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-1000-3000-Ant1-2917.00--34.92--1
3-PASS



1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-3000-12000-Ant1-7468.95--37.99--
13-PASS

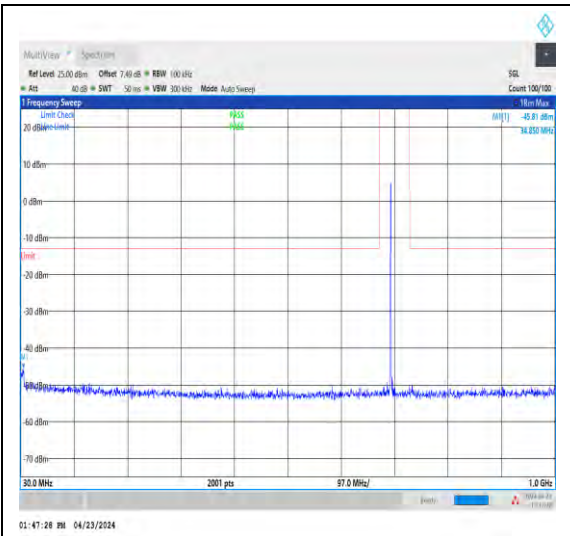


1-N12-15-15-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-12000-20000-Ant1-17091.20--33.0
3--13-PASS

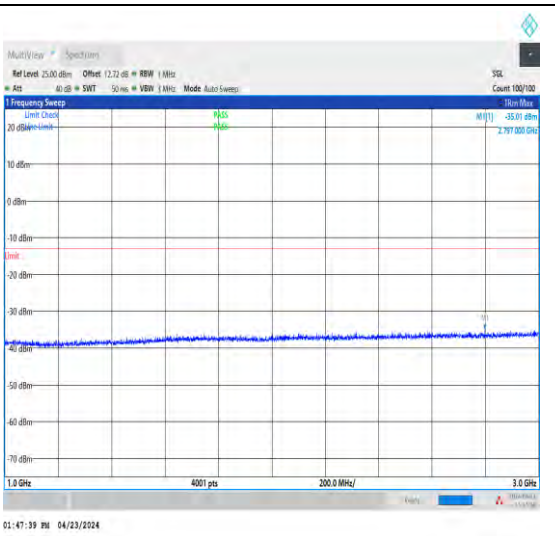


1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-0.009-0.15-Ant1-0.13--90.35--33-P
ASS

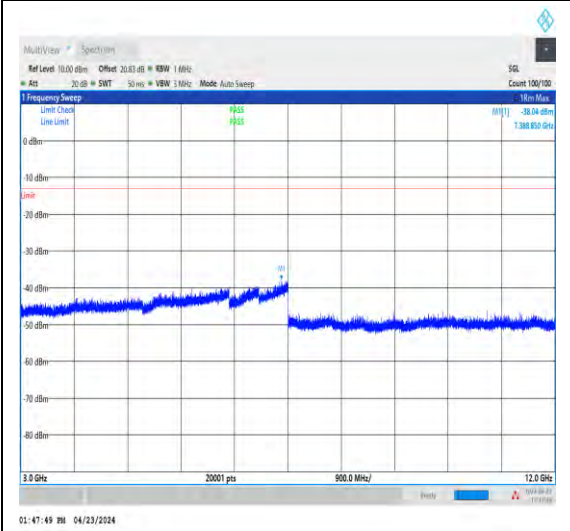
1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-0.15-30-Ant1-29.40--83.86--23-PA
SS



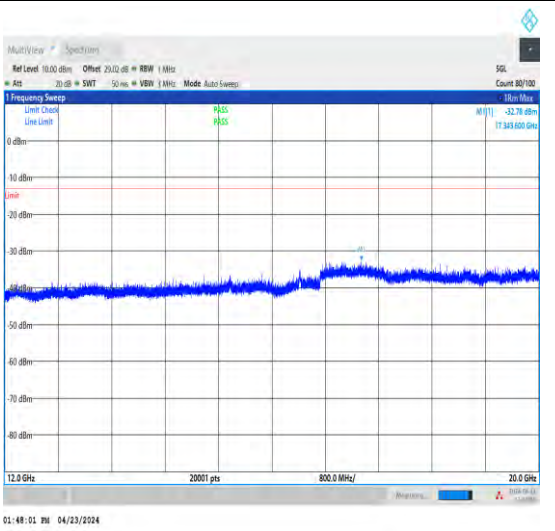
1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-30-1000-Ant1-34.85--45.81--13-PA
SS



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-1000-3000-Ant1-2797.00--35.01--1
3-PASS



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-3000-12000-Ant1-7388.85--38.04--
13-PASS



1-N12-15-15-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-12000-20000-Ant1-17343.60--32.7
8--13-PASS

6. Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VH	NT	-2.500000	-0.003534	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.300000	-0.003251	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.300000	-0.000424	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VH	NT	1.500000	0.002120	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VN	NT	2.100000	0.002968	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VL	NT	3.200000	0.004523	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	-2.100000	-0.002968	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.100000	-0.000141	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.900000	0.001272	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.600000	-0.003675	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.700000	-0.002403	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	-4.500000	-0.006360	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	-3.200000	-0.004523	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	-3.200000	-0.004523	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.100000	-0.001555	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-30	-0.100000	-0.000141	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-20	-1.900000	-0.002686	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-10	-0.800000	-0.001131	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	0	1.200000	0.001696	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	10	0.400000	0.000565	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	20	-0.500000	-0.000707	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	30	2.200000	0.003110	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	40	1.300000	0.001837	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	50	0.400000	0.000565	PASS

7. Field Strength of Spurious Radiation

For Sample #1:

Test Band = SA Band12_ 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	1324	47.45	-48.10	25.16	-70.75	-13.00	57.75	Horizontal
2	1983.4286	46.44	-47.92	26.15	-70.59	-13.00	57.59	Horizontal
3	2566.8571	46.62	-47.04	27.32	-68.36	-13.00	55.36	Horizontal
4	3090.2857	46.00	-46.73	28.19	-67.80	-13.00	54.80	Horizontal
5	4711.4286	44.22	-45.78	30.94	-65.88	-13.00	52.88	Horizontal
6	5790.8571	44.91	-44.65	32.36	-62.64	-13.00	49.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1529.1429	46.99	-48.31	25.33	-71.25	-13.00	58.25	Vertical
2	2060	46.19	-47.79	26.32	-70.54	-13.00	57.54	Vertical
3	3143.4286	45.62	-46.55	28.24	-67.95	-13.00	54.95	Vertical
4	4737.7143	44.99	-45.74	30.98	-65.03	-13.00	52.03	Vertical
5	5452	45.40	-45.06	32.21	-62.70	-13.00	49.70	Vertical
6	6688.5714	44.39	-44.11	34.44	-60.54	-13.00	47.54	Vertical

Test Band = SA Band12_ 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	1420.5714	47.28	-48.07	25.22	-70.83	-13.00	57.83	Horizontal
2	1864	46.35	-48.01	25.79	-71.13	-13.00	58.13	Horizontal
3	2410.8571	46.59	-47.43	27.02	-69.08	-13.00	56.08	Horizontal
4	3321.7143	45.39	-46.65	28.42	-68.10	-13.00	55.10	Horizontal
5	4262.2857	43.99	-45.85	30.03	-67.09	-13.00	54.09	Horizontal
6	5186.2857	44.50	-45.04	31.74	-64.07	-13.00	51.07	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1265.7143	47.22	-48.28	25.13	-71.19	-13.00	58.19	Vertical
2	1585.1429	46.35	-48.29	25.39	-71.81	-13.00	58.81	Vertical
3	2909.1429	45.47	-46.57	27.94	-68.42	-13.00	55.42	Vertical
4	4115.4286	43.90	-45.91	29.68	-67.59	-13.00	54.59	Vertical
5	5186.2857	44.23	-45.04	31.74	-64.34	-13.00	51.34	Vertical
6	6205.7143	44.95	-44.87	33.10	-62.08	-13.00	49.08	Vertical

Test Band = SA Band12_ 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	1416	48.36	-48.05	25.22	-69.74	-13.00	56.74	Horizontal
2	2042.2857	46.13	-47.82	26.28	-70.67	-13.00	57.67	Horizontal
3	2741.1429	46.01	-47.00	27.63	-68.61	-13.00	55.61	Horizontal
4	3485.7143	45.59	-46.54	28.59	-67.62	-13.00	54.62	Horizontal
5	4755.4286	44.51	-45.71	31.01	-65.45	-13.00	52.45	Horizontal
6	6303.4286	44.55	-44.61	33.43	-61.89	-13.00	48.89	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1461.1429	46.66	-48.20	25.26	-71.53	-13.00	58.53	Vertical
2	2032.5714	46.68	-47.84	26.27	-70.15	-13.00	57.15	Vertical
3	3033.1429	45.96	-46.60	28.13	-67.76	-13.00	54.76	Vertical
4	4005.1429	44.45	-46.18	29.41	-67.58	-13.00	54.58	Vertical
5	5419.4286	45.43	-45.00	32.15	-62.68	-13.00	49.68	Vertical
6	6320	44.77	-44.64	33.49	-61.64	-13.00	48.64	Vertical

For Sample #2:

Test Band = SA Band12_ 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	1626.8571	45.41	-48.25	25.43	-72.67	-13.00	59.67	Horizontal
2	2039.4286	45.52	-47.83	26.28	-71.29	-13.00	58.29	Horizontal
3	3389.1429	43.28	-46.56	28.49	-70.05	-13.00	57.05	Horizontal
4	4300	43.28	-45.78	30.12	-67.64	-13.00	54.64	Horizontal
5	5424	44.03	-45.01	32.16	-64.08	-13.00	51.08	Horizontal
6	7168.5714	41.95	-43.98	35.47	-61.82	-13.00	48.82	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1527.4286	45.41	-48.31	25.33	-72.83	-13.00	59.83	Vertical
2	1825.7143	45.31	-47.98	25.68	-72.25	-13.00	59.25	Vertical
3	2713.7143	44.26	-47.03	27.58	-70.45	-13.00	57.45	Vertical
4	3595.4286	44.32	-46.35	28.75	-68.54	-13.00	55.54	Vertical
5	4412	43.77	-45.86	30.39	-66.96	-13.00	53.96	Vertical
6	6202.8571	43.15	-44.88	33.09	-63.90	-13.00	50.90	Vertical

Test Band = SA Band12_ 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	1300	45.39	-48.13	25.15	-72.85	-13.00	59.85	Horizontal
2	1848	45.19	-48.00	25.74	-72.32	-13.00	59.32	Horizontal
3	2508.5714	44.60	-47.24	27.22	-70.69	-13.00	57.69	Horizontal
4	3134.2857	43.82	-46.59	28.23	-69.80	-13.00	56.80	Horizontal
5	4734.2857	43.12	-45.75	30.97	-66.91	-13.00	53.91	Horizontal
6	6285.1429	42.50	-44.65	33.37	-64.04	-13.00	51.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1273.7143	46.27	-48.25	25.14	-72.10	-13.00	59.10	Vertical
2	1628.5714	45.44	-48.25	25.43	-72.64	-13.00	59.64	Vertical
3	2330.8571	44.77	-47.48	26.86	-71.11	-13.00	58.11	Vertical
4	3048	43.92	-46.63	28.15	-69.82	-13.00	56.82	Vertical
5	3702.8571	43.45	-46.15	28.92	-69.04	-13.00	56.04	Vertical
6	5429.1429	43.70	-45.02	32.17	-64.41	-13.00	51.41	Vertical

Test Band = SA Band12_ 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	1390.8571	45.82	-48.01	25.20	-72.26	-13.00	59.26	Horizontal
2	1782.8571	45.18	-47.99	25.58	-72.48	-13.00	59.48	Horizontal
3	2425.1429	47.86	-47.40	27.05	-67.75	-13.00	54.75	Horizontal
4	3124.5714	43.55	-46.64	28.22	-70.12	-13.00	57.12	Horizontal
5	3736	43.50	-46.15	28.98	-68.94	-13.00	55.94	Horizontal
6	5881.7143	42.98	-44.91	32.38	-64.82	-13.00	51.82	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1495.4286	45.46	-48.31	25.30	-72.81	-13.00	59.81	Vertical
2	1877.1429	45.21	-48.03	25.83	-72.25	-13.00	59.25	Vertical
3	2872.5714	43.84	-46.67	27.87	-70.22	-13.00	57.22	Vertical
4	4061.1429	43.07	-46.02	29.55	-68.66	-13.00	55.66	Vertical
5	5422.8571	43.76	-45.01	32.16	-64.35	-13.00	51.35	Vertical
6	7153.1429	41.57	-44.03	35.43	-62.30	-13.00	49.30	Vertical