Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
N12	15	5	DFT-QPSK	L	1@1	24.07	15.92	34.77	PASS
N12	15	5	DFT-QPSK	L	1@23	24.09	15.94	34.77	PASS
N12	15	5	DFT-QPSK	L	25@0	23.14	14.99	34.77	PASS
N12	15	5	DFT-16QAM	L	1@1	23.05	14.9	34.77	PASS
N12	15	5	DFT-16QAM	L	1@23	23.21	15.06	34.77	PASS
N12	15	5	DFT-16QAM	L	25@0	22.13	13.98	34.77	PASS
N12	15	5	DFT-64QAM	L	1@1	21.67	13.52	34.77	PASS
N12	15	5	DFT-64QAM	L	1@23	21.64	13.49	34.77	PASS
N12	15	5	DFT-64QAM	L	25@0	21.63	13.48	34.77	PASS
N12	15	5	DFT-256QAM	L	1@1	21.41	13.26	34.77	PASS
N12	15	5	DFT-256QAM	L	1@23	21.53	13.38	34.77	PASS
N12	15	5	DFT-256QAM	L	25@0	21.65	13.5	34.77	PASS
N12	15	5	DFT-QPSK	M	1@1	24.12	15.97	34.77	PASS
N12	15	5	DFT-QPSK	M	1@23	24.18	16.03	34.77	PASS
N12	15	5	DFT-QPSK	M	25@0	23.13	14.98	34.77	PASS
N12	15	5	DFT-16QAM	M	1@1	23.15	15	34.77	PASS
N12	15	5	DFT-16QAM	M	1@23	23.26	15.11	34.77	PASS
N12	15	5	DFT-16QAM	M	25@0	22.22	14.07	34.77	PASS
N12	15	5	DFT-64QAM	M	1@1	21.63	13.48	34.77	PASS
N12	15	5	DFT-64QAM	M	1@23	21.74	13.59	34.77	PASS
N12	15	5	DFT-64QAM	M	25@0	21.71	13.56	34.77	PASS
N12	15	5	DFT-256QAM	M	1@1	21.48	13.33	34.77	PASS
N12	15	5	DFT-256QAM	M	1@23	21.56	13.41	34.77	PASS
N12	15	5	DFT-256QAM	M	25@0	21.64	13.49	34.77	PASS
N12	15	5	DFT-QPSK	H	1@1	24.26	16.11	34.77	PASS
N12	15	5	DFT-QPSK	H	1@23	24.20	16.05	34.77	PASS
N12	15	5	DFT-QPSK	H	25@0	23.23	15.08	34.77	PASS
N12	15	5	DFT-16QAM	H	1@1	23.30	15.15	34.77	PASS
N12	15	5	DFT-16QAM	H	1@23	23.31	15.16	34.77	PASS
N12	15	5	DFT-16QAM	H	25@0	22.24	14.09	34.77	PASS
N12	15	5	DFT-64QAM	H	1@1	21.86	13.71	34.77	PASS
N12	15	5	DFT-64QAM	H	1@23	21.78	13.63	34.77	PASS
N12	15	5	DFT-64QAM	H	25@0	21.75	13.6	34.77	PASS
N12	15	5	DFT-256QAM	H	1@1	21.67	13.52	34.77	PASS
N12	15	5	DFT-256QAM	H	1@23	21.72	13.57	34.77	PASS
N12	15	5	DFT-256QAM	H	25@0	21.74	13.59	34.77	PASS
N12	15	10	DFT-QPSK	L	1@1	24.14	15.99	34.77	PASS

N12	15	10	DFT-QPSK	L	1@50	24.16	16.01	34.77	PASS
N12	15	10	DFT-QPSK	L	50@0	23.13	14.98	34.77	PASS
N12	15	10	DFT-16QAM	L	1@1	23.18	15.03	34.77	PASS
N12	15	10	DFT-16QAM	L	1@50	23.25	15.1	34.77	PASS
N12	15	10	DFT-16QAM	L	50@0	22.12	13.97	34.77	PASS
N12	15	10	DFT-64QAM	L	1@1	21.69	13.54	34.77	PASS
N12	15	10	DFT-64QAM	L	1@50	21.61	13.46	34.77	PASS
N12	15	10	DFT-64QAM	L	50@0	21.61	13.46	34.77	PASS
N12	15	10	DFT-256QAM	L	1@1	21.29	13.14	34.77	PASS
N12	15	10	DFT-256QAM	L	1@50	21.44	13.29	34.77	PASS
N12	15	10	DFT-256QAM	L	50@0	21.66	13.51	34.77	PASS
N12	15	10	DFT-QPSK	M	1@1	24.20	16.05	34.77	PASS
N12	15	10	DFT-QPSK	M	1@50	24.31	16.16	34.77	PASS
N12	15	10	DFT-QPSK	M	50@0	23.12	14.97	34.77	PASS
N12	15	10	DFT-16QAM	M	1@1	23.31	15.16	34.77	PASS
N12	15	10	DFT-16QAM	M	1@50	23.34	15.19	34.77	PASS
N12	15	10	DFT-16QAM	M	50@0	22.19	14.04	34.77	PASS
N12	15	10	DFT-64QAM	M	1@1	21.78	13.63	34.77	PASS
N12	15	10	DFT-64QAM	M	1@50	21.85	13.7	34.77	PASS
N12	15	10	DFT-64QAM	M	50@0	21.72	13.57	34.77	PASS
N12	15	10	DFT-256QAM	M	1@1	21.58	13.43	34.77	PASS
N12	15	10	DFT-256QAM	M	1@50	21.68	13.53	34.77	PASS
N12	15	10	DFT-256QAM	M	50@0	21.62	13.47	34.77	PASS
N12	15	10	DFT-QPSK	H	1@1	24.35	16.2	34.77	PASS
N12	15	10	DFT-QPSK	H	1@50	24.34	16.19	34.77	PASS
N12	15	10	DFT-QPSK	H	50@0	23.22	15.07	34.77	PASS
N12	15	10	DFT-16QAM	H	1@1	23.32	15.17	34.77	PASS
N12	15	10	DFT-16QAM	H	1@50	23.36	15.21	34.77	PASS
N12	15	10	DFT-16QAM	H	50@0	22.21	14.06	34.77	PASS
N12	15	10	DFT-64QAM	H	1@1	21.80	13.65	34.77	PASS
N12	15	10	DFT-64QAM	H	1@50	21.90	13.75	34.77	PASS
N12	15	10	DFT-64QAM	H	50@0	21.70	13.55	34.77	PASS
N12	15	10	DFT-256QAM	H	1@1	21.59	13.44	34.77	PASS
N12	15	10	DFT-256QAM	H	1@50	21.68	13.53	34.77	PASS
N12	15	10	DFT-256QAM	H	50@0	21.72	13.57	34.77	PASS
N12	15	15	DFT-QPSK	L	1@1	24.16	16.01	34.77	PASS
N12	15	15	DFT-QPSK	L	1@77	24.27	16.12	34.77	PASS
N12	15	15	DFT-QPSK	L	75@0	23.34	15.19	34.77	PASS
N12	15	15	DFT-16QAM	L	1@1	23.24	15.09	34.77	PASS
N12	15	15	DFT-16QAM	L	1@77	23.32	15.17	34.77	PASS
N12	15	15	DFT-16QAM	L	75@0	22.31	14.16	34.77	PASS
N12	15	15	DFT-64QAM	L	1@1	21.72	13.57	34.77	PASS
N12	15	15	DFT-64QAM	L	1@77	21.85	13.7	34.77	PASS
N12	15	15	DFT-64QAM	L	75@0	21.71	13.56	34.77	PASS

N12	15	15	DFT-256QAM	L	1@1	21.55	13.4	34.77	PASS
N12	15	15	DFT-256QAM	L	1@77	21.64	13.49	34.77	PASS
N12	15	15	DFT-256QAM	L	75@0	21.81	13.66	34.77	PASS
N12	15	15	DFT-QPSK	M	1@1	24.22	16.07	34.77	PASS
N12	15	15	DFT-QPSK	M	1@77	24.26	16.11	34.77	PASS
N12	15	15	DFT-QPSK	M	75@0	23.25	15.1	34.77	PASS
N12	15	15	DFT-16QAM	M	1@1	23.22	15.07	34.77	PASS
N12	15	15	DFT-16QAM	M	1@77	23.39	15.24	34.77	PASS
N12	15	15	DFT-16QAM	M	75@0	22.24	14.09	34.77	PASS
N12	15	15	DFT-64QAM	M	1@1	21.72	13.57	34.77	PASS
N12	15	15	DFT-64QAM	M	1@77	21.78	13.63	34.77	PASS
N12	15	15	DFT-64QAM	M	75@0	21.68	13.53	34.77	PASS
N12	15	15	DFT-256QAM	M	1@1	21.53	13.38	34.77	PASS
N12	15	15	DFT-256QAM	M	1@77	21.62	13.47	34.77	PASS
N12	15	15	DFT-256QAM	M	75@0	21.73	13.58	34.77	PASS
N12	15	15	DFT-QPSK	H	1@1	24.21	16.06	34.77	PASS
N12	15	15	DFT-QPSK	H	1@77	24.22	16.07	34.77	PASS
N12	15	15	DFT-QPSK	H	75@0	23.30	15.15	34.77	PASS
N12	15	15	DFT-16QAM	H	1@1	23.26	15.11	34.77	PASS
N12	15	15	DFT-16QAM	H	1@77	23.33	15.18	34.77	PASS
N12	15	15	DFT-16QAM	H	75@0	22.30	14.15	34.77	PASS
N12	15	15	DFT-64QAM	H	1@1	21.77	13.62	34.77	PASS
N12	15	15	DFT-64QAM	H	1@77	21.81	13.66	34.77	PASS
N12	15	15	DFT-64QAM	H	75@0	21.74	13.59	34.77	PASS
N12	15	15	DFT-256QAM	H	1@1	21.53	13.38	34.77	PASS
N12	15	15	DFT-256QAM	H	1@77	21.57	13.42	34.77	PASS
N12	15	15	DFT-256QAM	H	75@0	21.78	13.63	34.77	PASS

Peak-to-Average Ratio for SA

Test Graphs

1-N12-PC3-15-15-L-1-NS_01-DFT-256QAM-Outer_Full-75@0-6.66dB-PASS

1-N12-PC3-15-15-L-2-NS_01-CP-256QAM-Outer_Full-79@0-8.03dB-PASS

1-N12-PC3-15-15-M-1-NS_01-DFT-256QAM-Outer_Full-75@0-6.56dB-PASS

1-N12-PC3-15-15-M-2-NS_01-CP-256QAM-Outer_Full-79@0-8.10dB-PASS

1-N12-PC3-15-15-H-1-NS_01-DFT-256QAM-Outer_Full-75@0-6.55dB-PASS

1-N12-PC3-15-15-H-2-NS_01-CP-256QAM-Outer_Full-79@0-8.07dB-PASS

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	99% Result (MHz)	26dB Result (MHz)	Verdict
N12	15	5	DFT-QPSK	L	25@0	4.5011	5.182	PASS
N12	15	5	DFT-16QAM	L	25@0	4.5037	5.145	PASS
N12	15	5	DFT-64QAM	L	25@0	4.5132	5.175	PASS
N12	15	5	DFT-256QAM	L	25@0	4.5098	5.133	PASS
N12	15	5	CP-QPSK	L	25@0	4.5101	5.315	PASS
N12	15	5	CP-16QAM	L	25@0	4.5094	5.218	PASS
N12	15	5	CP-64QAM	L	25@0	4.4997	5.283	PASS
N12	15	5	CP-256QAM	L	25@0	4.5062	5.292	PASS
N12	15	5	DFT-QPSK	M	25@0	4.4981	5.152	PASS
N12	15	5	DFT-16QAM	M	25@0	4.4866	5.052	PASS
N12	15	5	DFT-64QAM	M	25@0	4.5032	5.170	PASS
N12	15	5	DFT-256QAM	M	25@0	4.5034	5.185	PASS
N12	15	5	CP-QPSK	M	25@0	4.5065	5.271	PASS
N12	15	5	CP-16QAM	M	25@0	4.5172	5.233	PASS
N12	15	5	CP-64QAM	M	25@0	4.4992	5.288	PASS
N12	15	5	CP-256QAM	M	25@0	4.5072	5.257	PASS
N12	15	5	DFT-QPSK	H	25@0	4.5007	5.204	PASS
N12	15	5	DFT-16QAM	H	25@0	4.4971	5.049	PASS
N12	15	5	DFT-64QAM	H	25@0	4.5180	5.209	PASS
N12	15	5	DFT-256QAM	H	25@0	4.5301	5.212	PASS
N12	15	5	CP-QPSK	H	25@0	4.5057	5.274	PASS
N12	15	5	CP-16QAM	H	25@0	4.5199	5.261	PASS
N12	15	5	CP-64QAM	H	25@0	4.5006	5.333	PASS
N12	15	5	CP-256QAM	H	25@0	4.5057	5.239	PASS
N12	15	10	DFT-QPSK	L	50@0	8.9716	9.823	PASS
N12	15	10	DFT-16QAM	L	50@0	8.9919	9.702	PASS
N12	15	10	DFT-64QAM	L	50@0	8.9758	9.940	PASS
N12	15	10	DFT-256QAM	L	50@0	8.9734	9.915	PASS
N12	15	10	CP-QPSK	L	52@0	9.2922	10.19	PASS
N12	15	10	CP-16QAM	L	52@0	9.3189	10.23	PASS
N12	15	10	CP-64QAM	L	52@0	9.3315	10.11	PASS
N12	15	10	CP-256QAM	L	52@0	9.3195	10.25	PASS
N12	15	10	DFT-QPSK	M	50@0	8.9639	9.866	PASS
N12	15	10	DFT-16QAM	M	50@0	8.9821	9.781	PASS

N12	15	10	DFT-64QAM	M	50@0	8.9462	9.840	PASS
N12	15	10	DFT-256QAM	M	50@0	8.9488	9.783	PASS
N12	15	10	CP-QPSK	M	52@0	9.2935	10.18	PASS
N12	15	10	CP-16QAM	M	52@0	9.2995	10.24	PASS
N12	15	10	CP-64QAM	M	52@0	9.3206	10.21	PASS
N12	15	10	CP-256QAM	M	52@0	9.3169	10.28	PASS
N12	15	10	DFT-QPSK	H	50@0	8.9857	9.923	PASS
N12	15	10	DFT-16QAM	H	50@0	8.9956	9.755	PASS
N12	15	10	DFT-64QAM	H	50@0	8.9501	9.731	PASS
N12	15	10	DFT-256QAM	H	50@0	8.9618	9.759	PASS
N12	15	10	CP-QPSK	H	52@0	9.3093	10.19	PASS
N12	15	10	CP-16QAM	H	52@0	9.3205	10.25	PASS
N12	15	10	CP-64QAM	H	52@0	9.3436	10.25	PASS
N12	15	10	CP-256QAM	H	52@0	9.3484	10.35	PASS
N12	15	15	DFT-QPSK	L	75@0	13.439	14.50	PASS
N12	15	15	DFT-16QAM	L	75@0	13.465	14.54	PASS
N12	15	15	DFT-64QAM	L	75@0	13.415	14.64	PASS
N12	15	15	DFT-256QAM	L	75@0	13.440	14.57	PASS
N12	15	15	CP-QPSK	L	79@0	14.140	15.27	PASS
N12	15	15	CP-16QAM	L	79@0	14.097	15.29	PASS
N12	15	15	CP-64QAM	L	79@0	14.113	15.31	PASS
N12	15	15	CP-256QAM	L	79@0	14.134	15.28	PASS
N12	15	15	DFT-QPSK	M	75@0	13.431	14.54	PASS
N12	15	15	DFT-16QAM	M	75@0	13.457	14.55	PASS
N12	15	15	DFT-64QAM	M	75@0	13.415	14.55	PASS
N12	15	15	DFT-256QAM	M	75@0	13.451	14.50	PASS
N12	15	15	CP-QPSK	M	79@0	14.142	15.34	PASS
N12	15	15	CP-16QAM	M	79@0	14.083	15.20	PASS
N12	15	15	CP-64QAM	M	79@0	14.133	15.31	PASS
N12	15	15	CP-256QAM	M	79@0	14.134	15.22	PASS
N12	15	15	DFT-QPSK	H	75@0	13.438	14.52	PASS
N12	15	15	DFT-16QAM	H	75@0	13.473	14.67	PASS
N12	15	15	DFT-64QAM	H	75@0	13.418	14.56	PASS
N12	15	15	DFT-256QAM	H	75@0	13.454	14.54	PASS
N12	15	15	CP-QPSK	H	79@0	14.144	15.32	PASS
N12	15	15	CP-16QAM	H	79@0	14.093	15.26	PASS
N12	15	15	CP-64QAM	H	79@0	14.115	15.26	PASS
N12	15	15	CP-256QAM	H	79@0	14.133	15.27	PASS

Test Graphs

1-N12-PC3-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.5011-5.182-≤5-PASS

1-N12-PC3-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.5037-5.145-≤5-PASS

1-N12-PC3-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.5132-5.175-≤5-PASS

1-N12-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.5098-5.133-≤5-PASS

1-N12-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.5101-5.315-≤5-PASS

1-N12-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.5094-5.218-≤5-PASS

1-N12-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.4997-5.283-≤5-PASS

1-N12-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.5062-5.292-≤5-PASS

1-N12-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.4981-5.152-≤5-PASS

1-N12-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.4866-5.052-≤5-PASS

1-N12-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.5032-5.170-≤5-PASS

1-N12-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.5034-5.185-≤5-PASS

1-N12-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.5065-5.271-≤5-PASS

1-N12-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.5172-5.233-≤5-PASS

1-N12-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.4992-5.288-≤5-PASS

1-N12-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.5072-5.257-≤5-PASS

1-N12-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.5007-5.204-≤5-PASS

1-N12-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.4971-5.049-≤5-PASS

1-N12-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.5180-5.209-≤5-PASS

1-N12-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.5301-5.212-≤5-PASS

1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.5057-5.274-≤5-PASS

1-N12-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.5199-5.261-≤5-PASS

1-N12-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.5006-5.333-≤5-PASS

1-N12-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.5057-5.239-≤5-PASS

1-N12-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.9716-9.823-≤10-PASS

1-N12-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.9919-9.702-≤10-PASS

1-N12-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.9758-9.940-≤10-PASS

1-N12-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.9734-9.915-≤10-PASS

1-N12-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-9.2922-10.19-≤10-PASS

1-N12-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1-9.3189-10.23-≤10-PASS

1-N12-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1-9.3315-10.11-≤10-PASS

1-N12-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.3195-10.25-≤10-PASS

1-N12-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.9639-9.866-≤10-PASS

1-N12-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.9821-9.781-≤10-PASS

1-N12-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.9462-9.840-≤10-PASS

1-N12-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.9488-9.783-≤10-PASS

1-N12-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.2935-10.18-≤10-PASS

1-N12-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.2995-10.24-≤10-PASS

1-N12-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.3206-10.21-≤10-PASS

1-N12-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant1-9.3169-10.28-≤10-PASS

1-N12-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.9857-9.923-≤10-PASS

1-N12-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.9956-9.755-≤10-PASS

1-N12-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.9501-9.731-≤10-PASS

1-N12-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.9618-9.759-≤10-PASS

1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.3093-10.19-≤10-PASS

1-N12-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.3205-10.25-≤10-PASS

1-N12-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant1-9.3436-10.25-≤10-PASS

1-N12-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant1-9.3484-10.35-≤10-PASS

1-N12-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.439-14.50-≤15-PASS

1-N12-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.465-14.54-≤15-PASS

1-N12-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.415-14.64-≤15-PASS

1-N12-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.440-14.57-≤15-PASS

1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.140-15.27-≤15-PASS

1-N12-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.097-15.29-≤15-PASS

1-N12-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.113-15.31-≤15-PASS

1-N12-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.134-15.28-≤15-PASS

1-N12-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.431-14.54-≤15-PASS

1-N12-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.457-14.55-≤15-PASS

1-N12-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.415-14.55-≤15-PASS

1-N12-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.451-14.50-≤15-PASS

1-N12-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.142-15.34-≤15-PASS

1-N12-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.083-15.20-≤15-PASS

1-N12-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.133-15.31-≤15-PASS

1-N12-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.134-15.22-≤15-PASS

1-N12-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.438-14.52-≤15-PASS

1-N12-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.473-14.67-≤15-PASS

1-N12-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.418-14.56-≤15-PASS

1-N12-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75@0-Ant1-13.454-14.54-≤15-PASS

1-N12-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-14.144-15.32-≤15-PASS

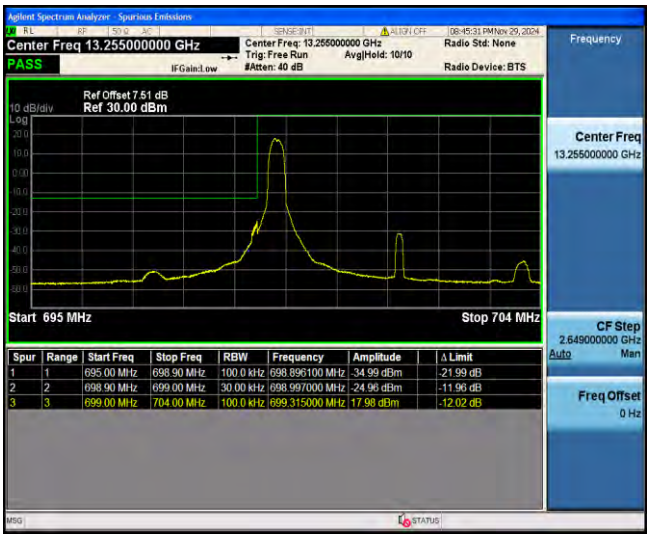
1-N12-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant1-14.093-15.26-≤15-PASS

1-N12-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.115-15.26-≤15-PASS

1-N12-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@0-Ant1-14.133-15.27-≤15-PASS

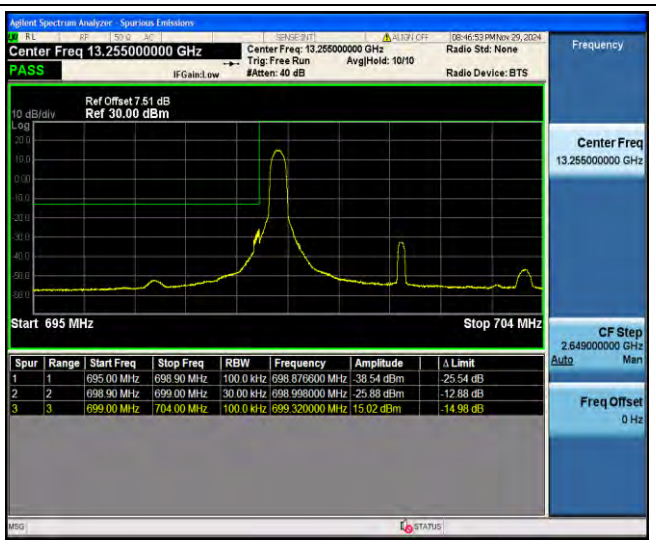
Band Edge for SA

Test Graphs



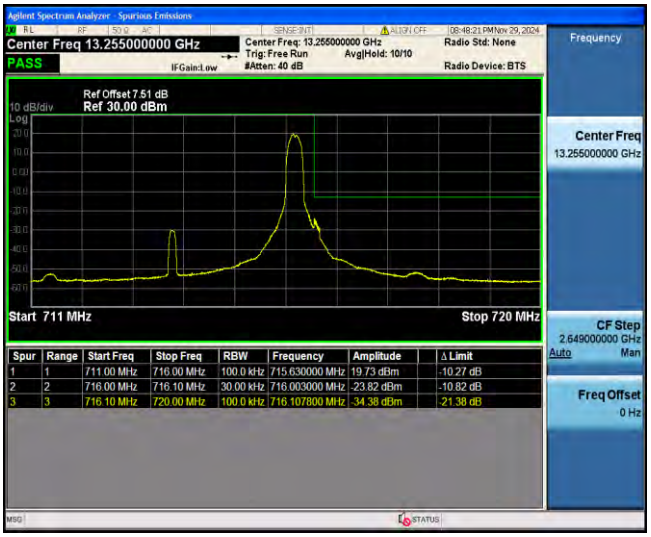
1-N12-PC3-15-5-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-699.00-11.96--24.96-PASS

1-N12-PC3-15-5-L-3-DFT-QPSK-Outer_Full-25@0-Ant1-699.00-19.23--32.23-PASS



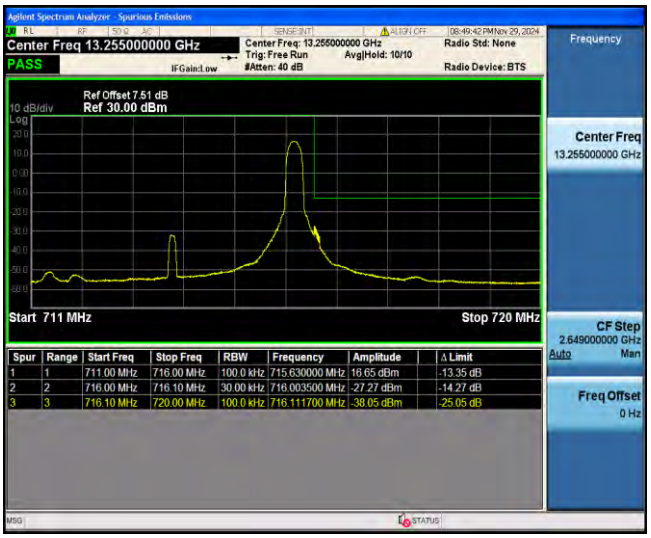
1-N12-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-699.00-12.88--25.88-PASS

1-N12-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-698.89-20.91--33.91-PASS



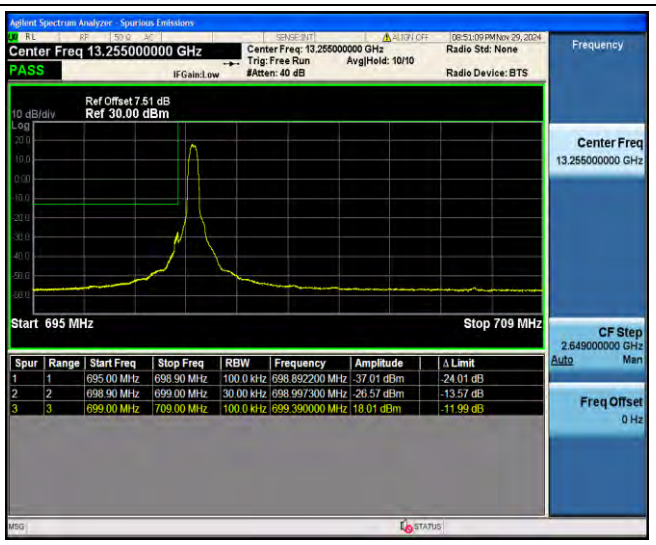
1-N12-PC3-15-5-H-2-DFT-QPSK-Edge_1RB_Right-1@24-Ant1-716.00-10.82--23.82-PASS

1-N12-PC3-15-5-H-3-DFT-QPSK-Outer_Full-25@0-Ant1-716.00-16.98--29.98-PASS

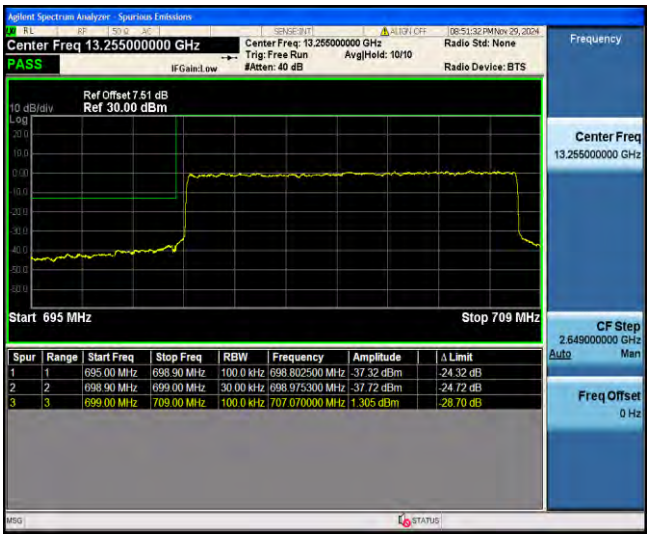


1-N12-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-716.00-14.27--27.27-PASS

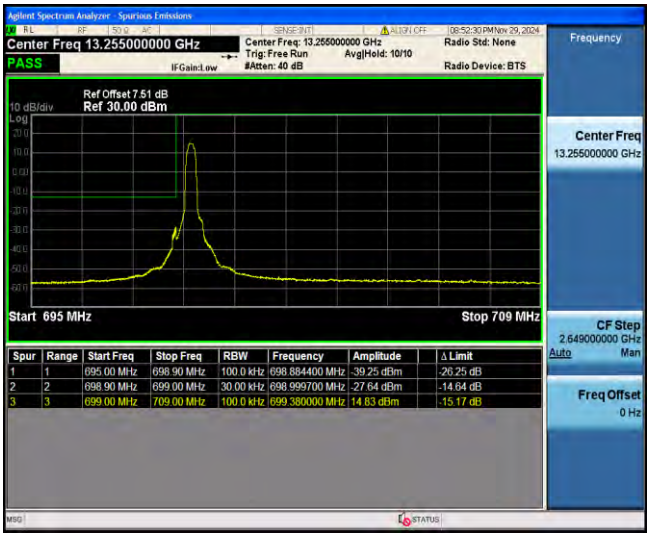
1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-716.14-20.64--33.64-PASS



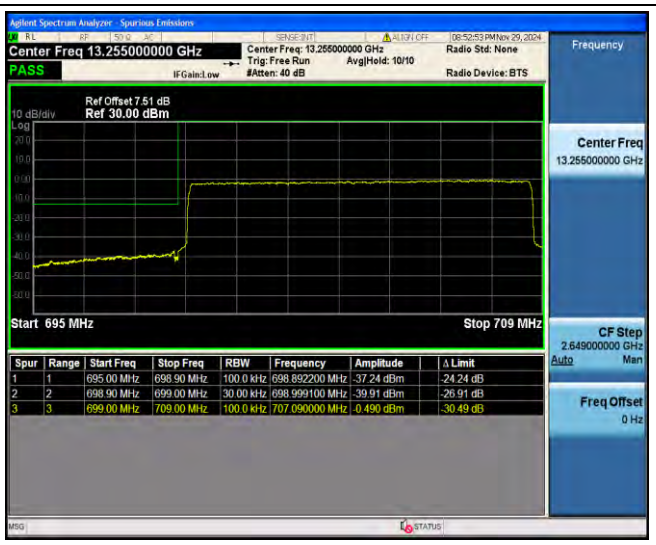
1-N12-PC3-15-10-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-699.00-13.57--26.57-PASS



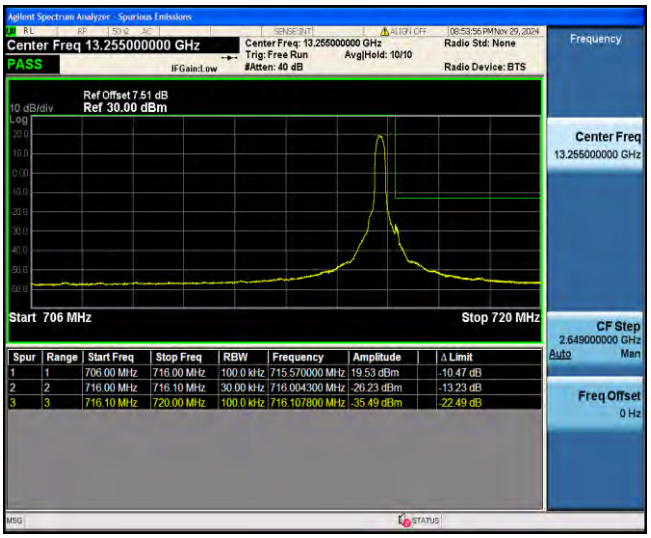
1-N12-PC3-15-10-L-3-DFT-QPSK-Outer_Full-50@0-Ant1-698.80-24.32--37.32-PASS



1-N12-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-699.00-14.64--27.64-PASS

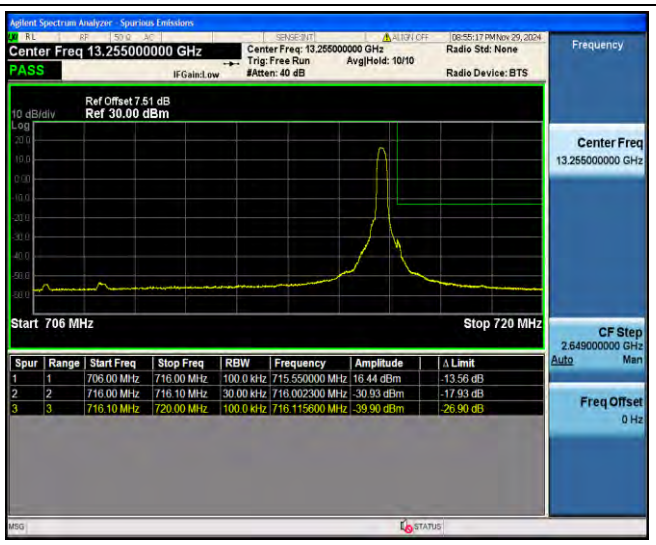


1-N12-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-698.89-24.24--37.24-PASS



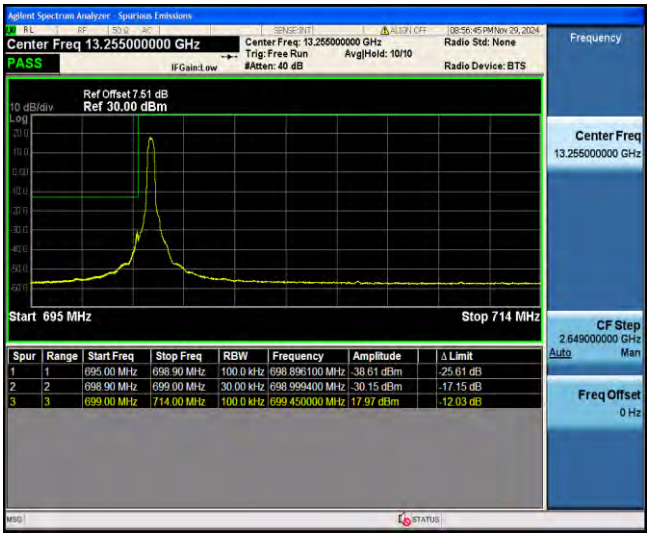
1-N12-PC3-15-10-H-2-DFT-QPSK-Edge_1RB_Right-1@51-Ant1-716.00-13.23--26.23-PASS

1-N12-PC3-15-10-H-3-DFT-QPSK-Outer_Full-50@0-Ant1-716.33-24.82--37.82-PASS



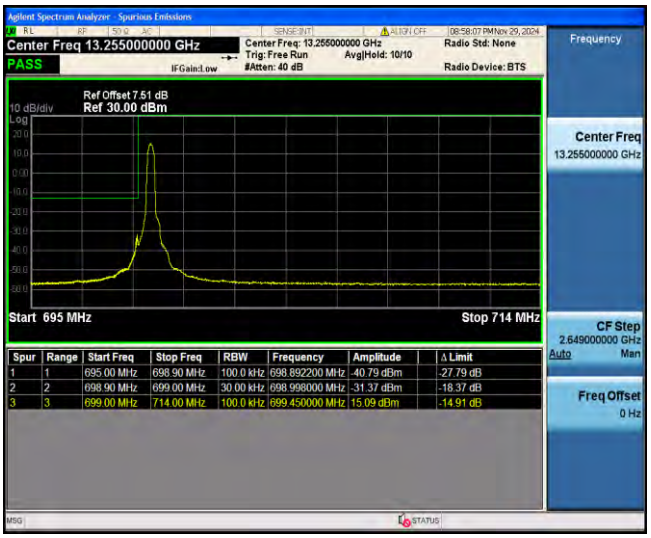
1-N12-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-716.00-17.93--30.93-PASS

1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-716.13-23.23--36.23-PASS



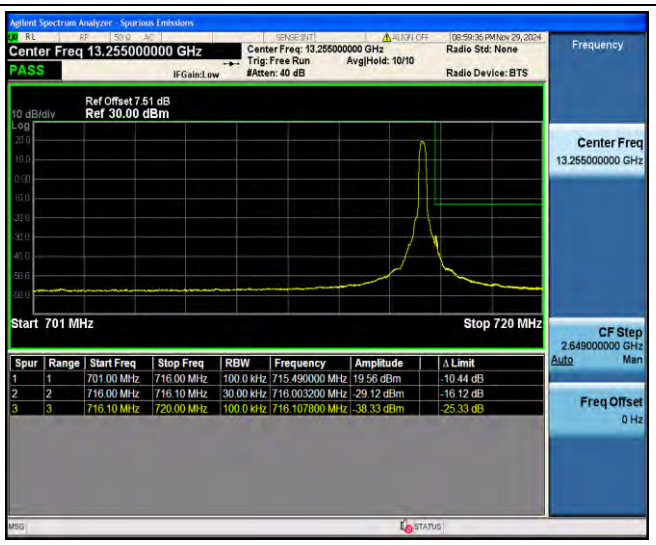
1-N12-PC3-15-15-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-699.00-17.15--30.15-PASS

1-N12-PC3-15-15-L-3-DFT-QPSK-Outer_Full-75@0-Ant1-698.89-24.24--37.24-PASS



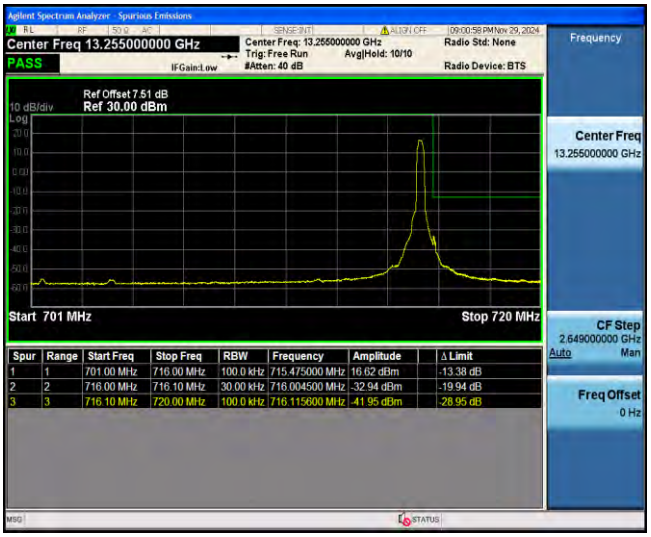
1-N12-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-699.00-18.37--31.37-PASS

1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-698.88-26.33--39.33-PASS



1-N12-PC3-15-15-H-2-DFT-QPSK-Edge_1RB_Right-1@78-Ant1-716.00-16.12--29.12-PASS

1-N12-PC3-15-15-H-3-DFT-QPSK-Outer_Full-75@0-Ant1-716.14-26.35--39.35-PASS



1-N12-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-716.00-19.94--32.94-PASS

1-N12-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-716.16-24.38--37.38-PASS

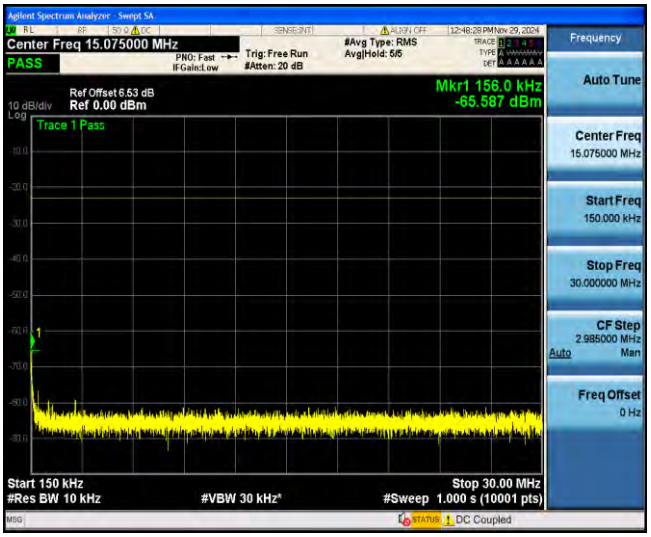
Conducted Spurious Emission for SA

Test Result

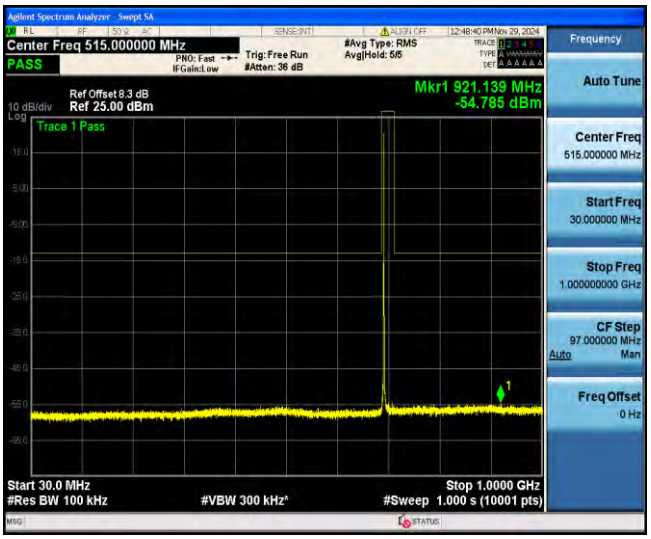
Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N12	15	15	DFT-QPSK	L	0.009	0.15	1@0	-51.62	-33	PASS
N12	15	15	DFT-QPSK	L	0.15	30	1@0	-65.59	-23	PASS
N12	15	15	DFT-QPSK	L	30	1000	1@0	-54.79	-13	PASS
N12	15	15	DFT-QPSK	L	1000	3000	1@0	-39.01	-13	PASS
N12	15	15	DFT-QPSK	L	3000	12000	1@0	-46.84	-13	PASS
N12	15	15	DFT-QPSK	L	12000	20000	1@0	-44.16	-13	PASS
N12	15	15	DFT-QPSK	M	0.009	0.15	1@0	-52.92	-33	PASS
N12	15	15	DFT-QPSK	M	0.15	30	1@0	-66.58	-23	PASS
N12	15	15	DFT-QPSK	M	30	1000	1@0	-54.83	-13	PASS
N12	15	15	DFT-QPSK	M	1000	3000	1@0	-38.96	-13	PASS
N12	15	15	DFT-QPSK	M	3000	12000	1@0	-47.02	-13	PASS
N12	15	15	DFT-QPSK	M	12000	20000	1@0	-44.12	-13	PASS
N12	15	15	DFT-QPSK	H	0.009	0.15	1@0	-64.68	-33	PASS
N12	15	15	DFT-QPSK	H	0.15	30	1@0	-66.30	-23	PASS
N12	15	15	DFT-QPSK	H	30	1000	1@0	-54.67	-13	PASS
N12	15	15	DFT-QPSK	H	1000	3000	1@0	-38.85	-13	PASS
N12	15	15	DFT-QPSK	H	3000	12000	1@0	-47.03	-13	PASS
N12	15	15	DFT-QPSK	H	12000	20000	1@0	-44.14	-13	PASS

Test Graphs

1-N12-PC3-15-15-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.03--51.62--33-PASS



1-N12-PC3-15-15-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-0.16--65.59--23-PASS



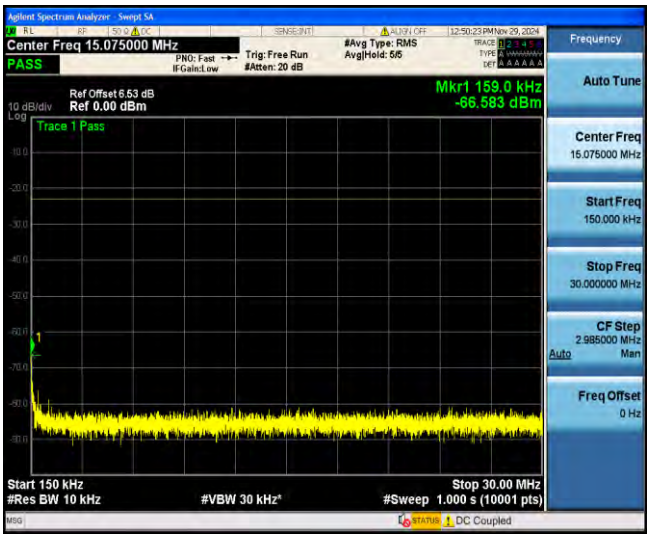
1-N12-PC3-15-15-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-921.14--54.79--13-PASS

1-N12-PC3-15-15-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2683.00--39.01--13-PASS

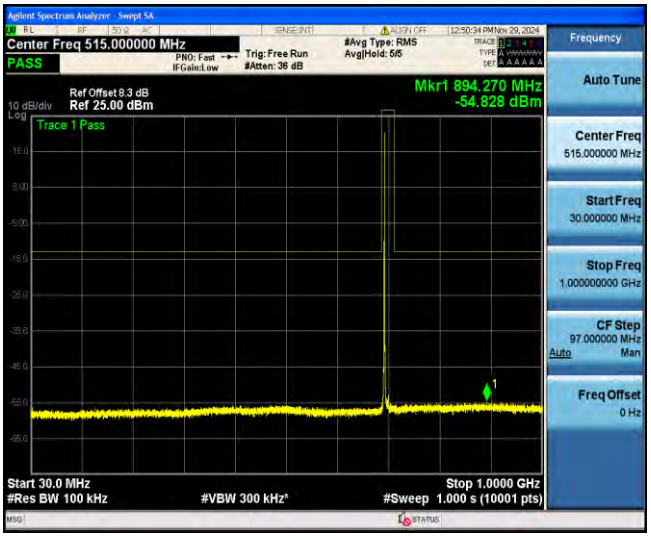
1-N12-PC3-15-15-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-5875.50--46.84--13-PASS

1-N12-PC3-15-15-L-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-18788.80--44.16--13-PASS

1-N12-PC3-15-15-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.03--52.92--33-PASS



1-N12-PC3-15-15-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-0.16--66.58--23-PASS

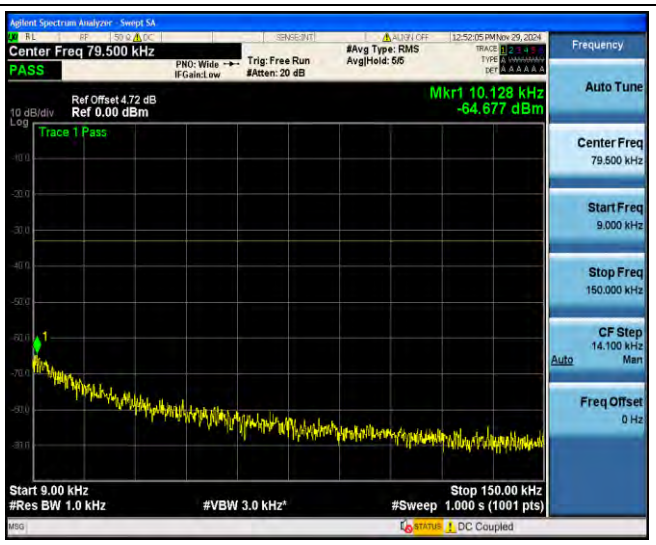


1-N12-PC3-15-15-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-894.27--54.83--13-PASS

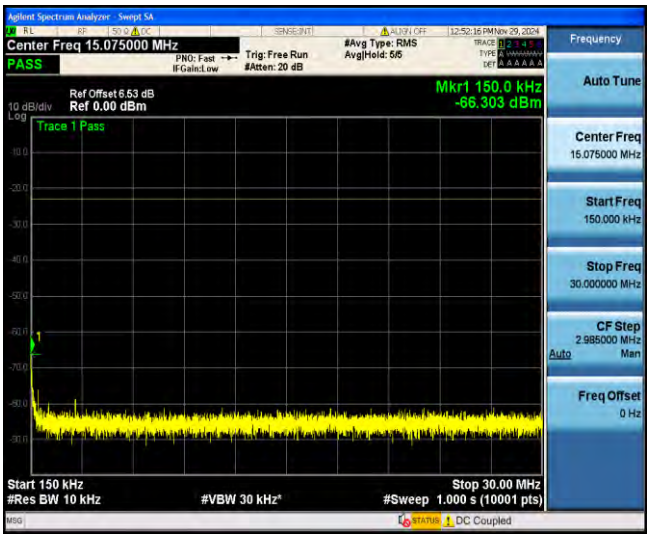
1-N12-PC3-15-15-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2656.60--38.96--13-PASS

1-N12-PC3-15-15-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-5758.50--47.02--13-PASS

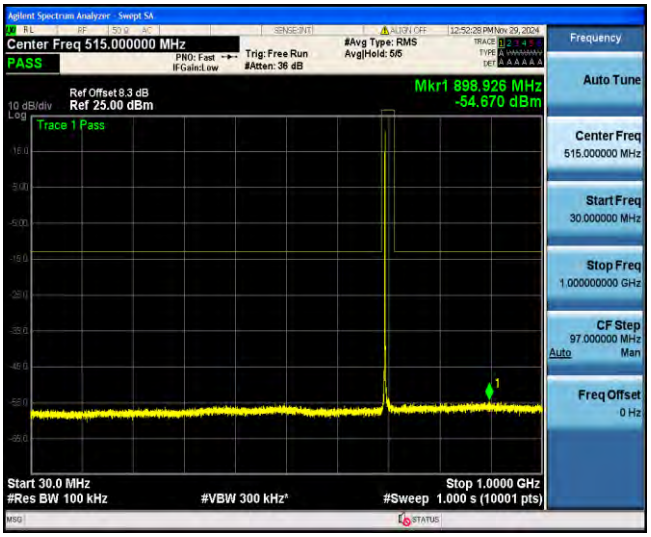
1-N12-PC3-15-15-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-18776.40--44.12--13-PASS



1-N12-PC3-15-15-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.01--64.68--33-PASS



1-N12-PC3-15-15-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-0.15--66.30--23-PASS



1-N12-PC3-15-15-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-898.93--54.67--13-PASS

1-N12-PC3-15-15-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2674.60--38.85--13-PASS

1-N12-PC3-15-15-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-5821.50--47.03--13-PASS

1-N12-PC3-15-15-H-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-18789.60--44.14--13-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-QPSK	M	75@0	NV	NT	-2.58	-0.00365	PASS
N12	15	15	DFT-QPSK	M	75@0	LV	NT	-3.10	-0.00438	PASS
N12	15	15	DFT-QPSK	M	75@0	HV	NT	-1.95	-0.00276	PASS
N12	15	15	CP-QPSK	M	79@0	NV	NT	0.85	0.00120	PASS
N12	15	15	CP-QPSK	M	79@0	LV	NT	1.51	0.00213	PASS
N12	15	15	CP-QPSK	M	79@0	HV	NT	0.07	0.00010	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-QPSK	M	75@0	NV	-20	-3.442000	-0.004865	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	50	-3.227000	-0.004561	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	40	-3.376000	-0.004772	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	10	-3.625000	-0.005124	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	-10	-3.073000	-0.004343	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	-30	-2.982000	-0.004215	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	30	-1.961000	-0.002772	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	0	-3.863000	-0.005460	PASS
N12	15	15	DFT-QPSK	M	75@0	NV	20	-3.351000	-0.004736	PASS
N12	15	15	CP-QPSK	M	79@0	NV	0	0.656000	0.000927	PASS
N12	15	15	CP-QPSK	M	79@0	NV	10	-0.146000	-0.000206	PASS
N12	15	15	CP-QPSK	M	79@0	NV	-10	0.377000	0.000533	PASS
N12	15	15	CP-QPSK	M	79@0	NV	-20	1.203000	0.001700	PASS
N12	15	15	CP-QPSK	M	79@0	NV	50	0.459000	0.000649	PASS
N12	15	15	CP-QPSK	M	79@0	NV	30	1.260000	0.001781	PASS
N12	15	15	CP-QPSK	M	79@0	NV	-30	-0.511000	-0.000722	PASS
N12	15	15	CP-QPSK	M	79@0	NV	40	-0.030000	-0.000042	PASS
N12	15	15	CP-QPSK	M	79@0	NV	20	0.625000	0.000883	PASS

Field Strength of Spurious Radiation

NR N12 ANT1-Low channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1399.5	-54.86	-13	-41.86	-57.63	2.47	5.24	Horizontal	Pass
2099.25	-70.77	-13	-57.77	-72.84	2.79	4.86	Horizontal	Pass
2799.0	-68.62	-13	-55.62	-71.98	3.12	6.48	Horizontal	Pass
1399.5	-52.68	-13	-39.68	-55.45	2.47	5.24	Vertical	Pass
2099.25	-70.76	-13	-57.76	-72.83	2.79	4.86	Vertical	Pass
2799.0	-68.24	-13	-55.24	-71.6	3.12	6.48	Vertical	Pass

NR N12 ANT1-Middle channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1401.5	-55.02	-13	-42.02	-57.8	2.48	5.26	Horizontal	Pass
2102.25	-69.9	-13	-56.9	-71.98	2.79	4.87	Horizontal	Pass
2803.0	-68.81	-13	-55.81	-72.18	3.12	6.49	Horizontal	Pass
1401.5	-55.21	-13	-42.21	-57.99	2.48	5.26	Vertical	Pass
2102.25	-69.86	-13	-56.86	-71.94	2.79	4.87	Vertical	Pass
2803.0	-68.96	-13	-55.96	-72.33	3.12	6.49	Vertical	Pass

NR N12 ANT1-High channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1403.5	-53.21	-13	-40.21	-56.0	2.48	5.27	Horizontal	Pass
2105.25	-69.67	-13	-56.67	-71.74	2.8	4.87	Horizontal	Pass
2807.0	-68.57	-13	-55.57	-71.95	3.12	6.5	Horizontal	Pass
1403.5	-50.62	-13	-37.62	-53.41	2.48	5.27	Vertical	Pass
2105.25	-69.85	-13	-56.85	-71.92	2.8	4.87	Vertical	Pass
2807.0	-68.62	-13	-55.62	-72.0	3.12	6.5	Vertical	Pass