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Appendix B.15

NR Band n12



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	LIMIT	Verdict
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.38	22.81	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.19	22.62	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	22.78	22.21	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Left	23.26	22.69	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Right	23.15	22.58	34.77	PASS
N12	15	5	DFT-QPSK	L	Outer_Full	22.33	21.76	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Left	22.37	21.80	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Right	22.23	21.66	34.77	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	21.35	20.78	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Left	21.03	20.46	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Right	20.93	20.36	34.77	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	20.85	20.28	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Left	18.42	17.85	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Right	18.28	17.71	34.77	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	18.84	18.27	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.08	22.51	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.03	22.46	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	22.57	22.00	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Left	23.04	22.47	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Right	23.01	22.44	34.77	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	22.03	21.46	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Left	22.11	21.54	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Right	22.06	21.49	34.77	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	21.11	20.54	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Left	20.79	20.22	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Right	20.77	20.20	34.77	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	20.59	20.02	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Left	18.14	17.57	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Right	18.11	17.54	34.77	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	18.53	17.96	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.79	22.22	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	22.68	22.11	34.77	PASS



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N12	15	5	DFT-PI2BPSK	H	Outer_Full	22.39	21.82	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Left	22.96	22.39	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Right	23.12	22.55	34.77	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	22.18	21.61	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Left	22.06	21.49	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Right	22.17	21.60	34.77	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	21.25	20.68	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Left	20.73	20.16	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Right	20.82	20.25	34.77	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	20.63	20.06	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Left	18.08	17.51	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Right	18.19	17.62	34.77	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	18.59	18.02	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.37	22.80	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.13	22.56	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	22.67	22.10	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Left	23.32	22.75	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Right	23.03	22.46	34.77	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	22.19	21.62	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Left	22.36	21.79	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Right	22.10	21.53	34.77	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	21.20	20.63	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Left	21.09	20.52	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Right	20.68	20.11	34.77	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	20.79	20.22	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Left	18.38	17.81	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Right	18.14	17.57	34.77	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	18.72	18.15	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.26	22.69	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.01	22.44	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	22.56	21.99	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Left	23.18	22.61	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Right	22.99	22.42	34.77	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	22.05	21.48	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Left	22.25	21.68	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Right	22.04	21.47	34.77	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	21.10	20.53	34.77	PASS



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N12	15	10	DFT-64QAM	M	Inner_1RB_Left	20.92	20.35	34.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Right	20.75	20.18	34.77	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	20.62	20.05	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Left	18.27	17.70	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Right	18.12	17.55	34.77	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	18.61	18.04	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.08	22.51	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.12	22.55	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	22.55	21.98	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Left	23.05	22.48	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Right	23.06	22.49	34.77	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	22.12	21.55	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Left	22.08	21.51	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Right	22.20	21.63	34.77	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	21.07	20.50	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Left	20.78	20.21	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Right	20.84	20.27	34.77	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	20.64	20.07	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Left	18.11	17.54	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Right	18.25	17.68	34.77	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	18.62	18.05	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.35	22.78	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.07	22.50	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	22.77	22.20	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Left	23.31	22.74	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Right	23.01	22.44	34.77	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	22.31	21.74	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Left	22.34	21.77	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Right	22.11	21.54	34.77	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	21.39	20.82	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Left	21.08	20.51	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Right	20.75	20.18	34.77	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	20.84	20.27	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Left	18.47	17.90	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Right	18.20	17.63	34.77	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	18.81	18.24	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.47	22.90	34.77	PASS



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N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.19	22.62	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	22.77	22.20	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Left	23.36	22.79	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Right	23.03	22.46	34.77	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	22.25	21.68	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Left	22.38	21.81	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Right	22.12	21.55	34.77	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	21.32	20.75	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Left	21.03	20.46	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Right	20.78	20.21	34.77	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	20.83	20.26	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Left	18.49	17.92	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Right	18.18	17.61	34.77	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	18.76	18.19	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.42	22.85	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.15	22.58	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	22.73	22.16	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Left	23.29	22.72	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Right	23.07	22.50	34.77	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	22.26	21.69	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Left	22.40	21.83	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Right	22.17	21.60	34.77	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	21.30	20.73	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Left	21.13	20.56	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Right	20.87	20.30	34.77	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	20.81	20.24	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Left	18.57	18.00	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Right	18.24	17.67	34.77	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	18.75	18.18	34.77	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N12	15	15	DFT-256QAM	L	Outer_Full	100%	0.00	9.00	≤13	PASS
N12	15	15	CP-256QAM	L	Outer_Full	100%	0.00	9.34	≤13	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	100%	0.00	8.84	≤13	PASS
N12	15	15	CP-256QAM	M	Outer_Full	100%	0.00	9.49	≤13	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	100%	0.00	8.89	≤13	PASS
N12	15	15	CP-256QAM	H	Outer_Full	100%	0.00	9.76	≤13	PASS



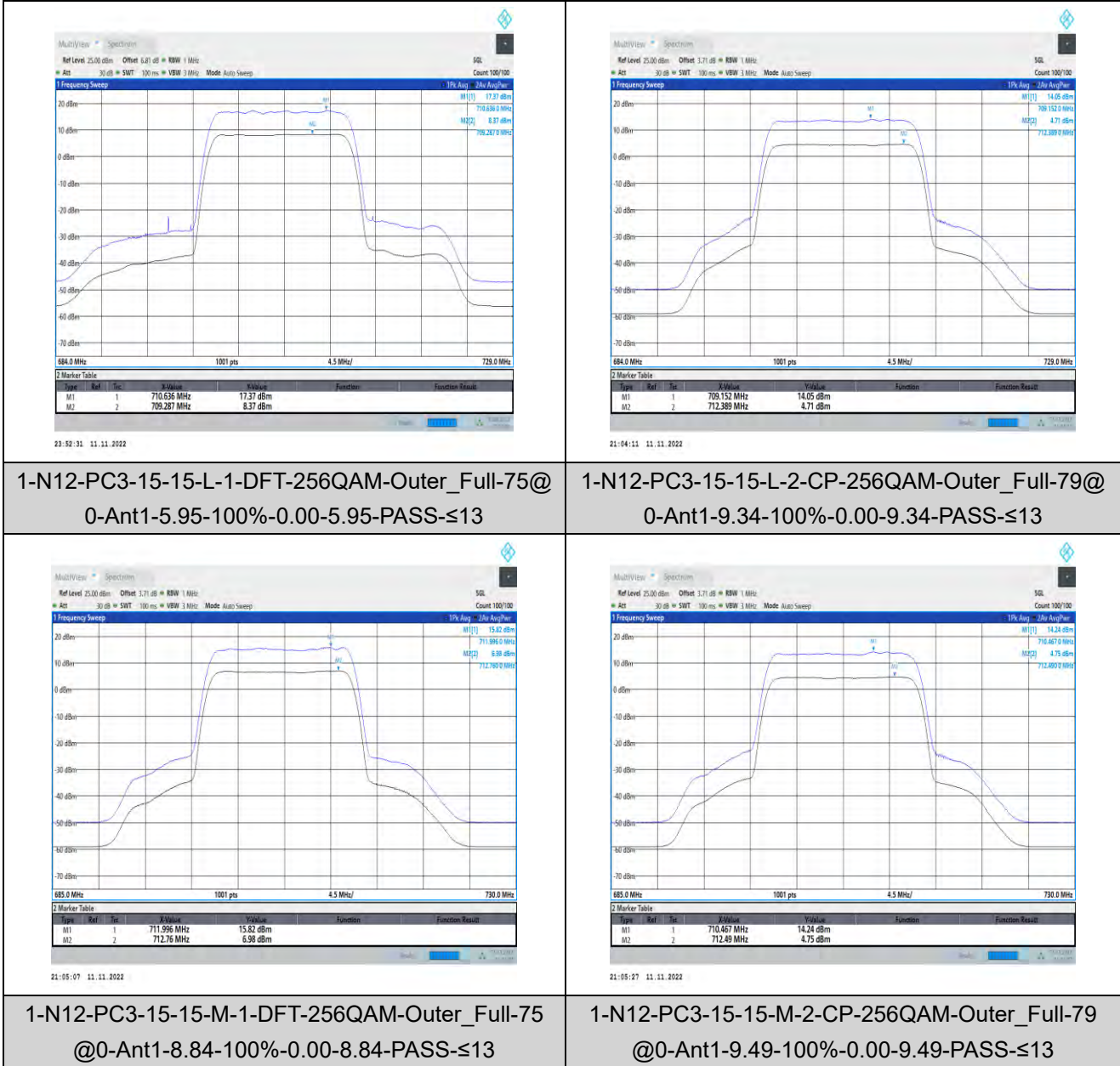
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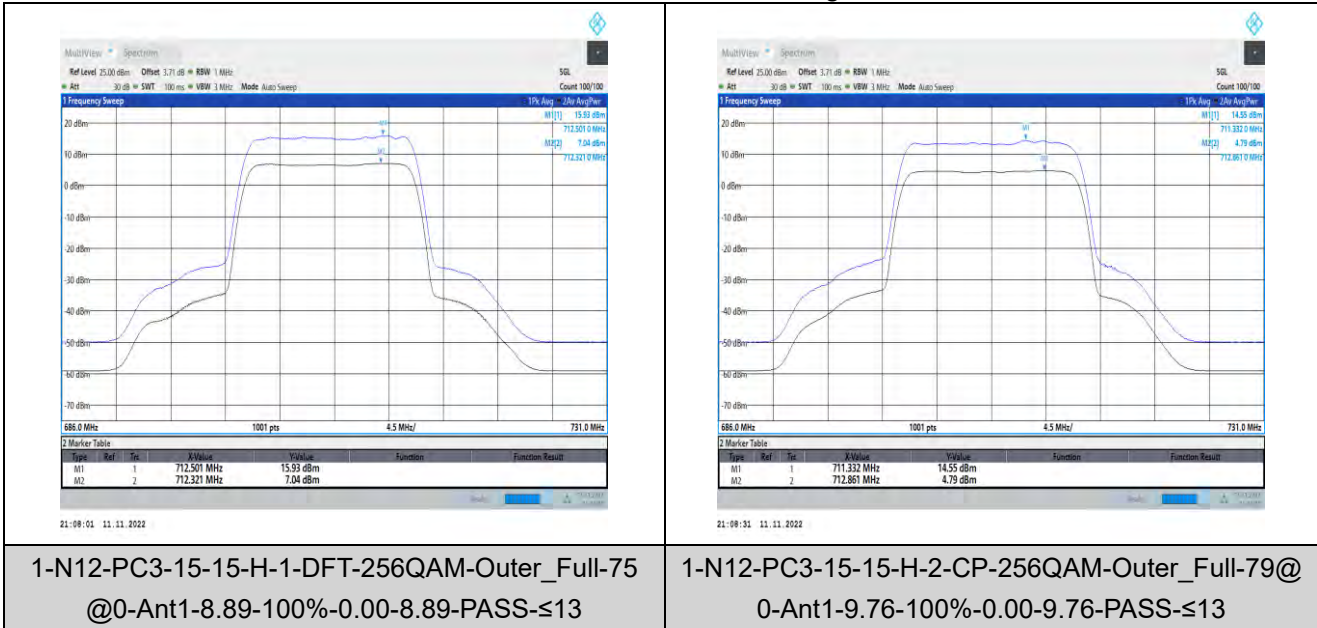
Test Graphs



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	see graph	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	see graph	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	see graph	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-QPSK	M	Outer_Full	see graph	PASS
N12	15	15	CP-16QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-64QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-256QAM	M	Outer_Full	see graph	PASS



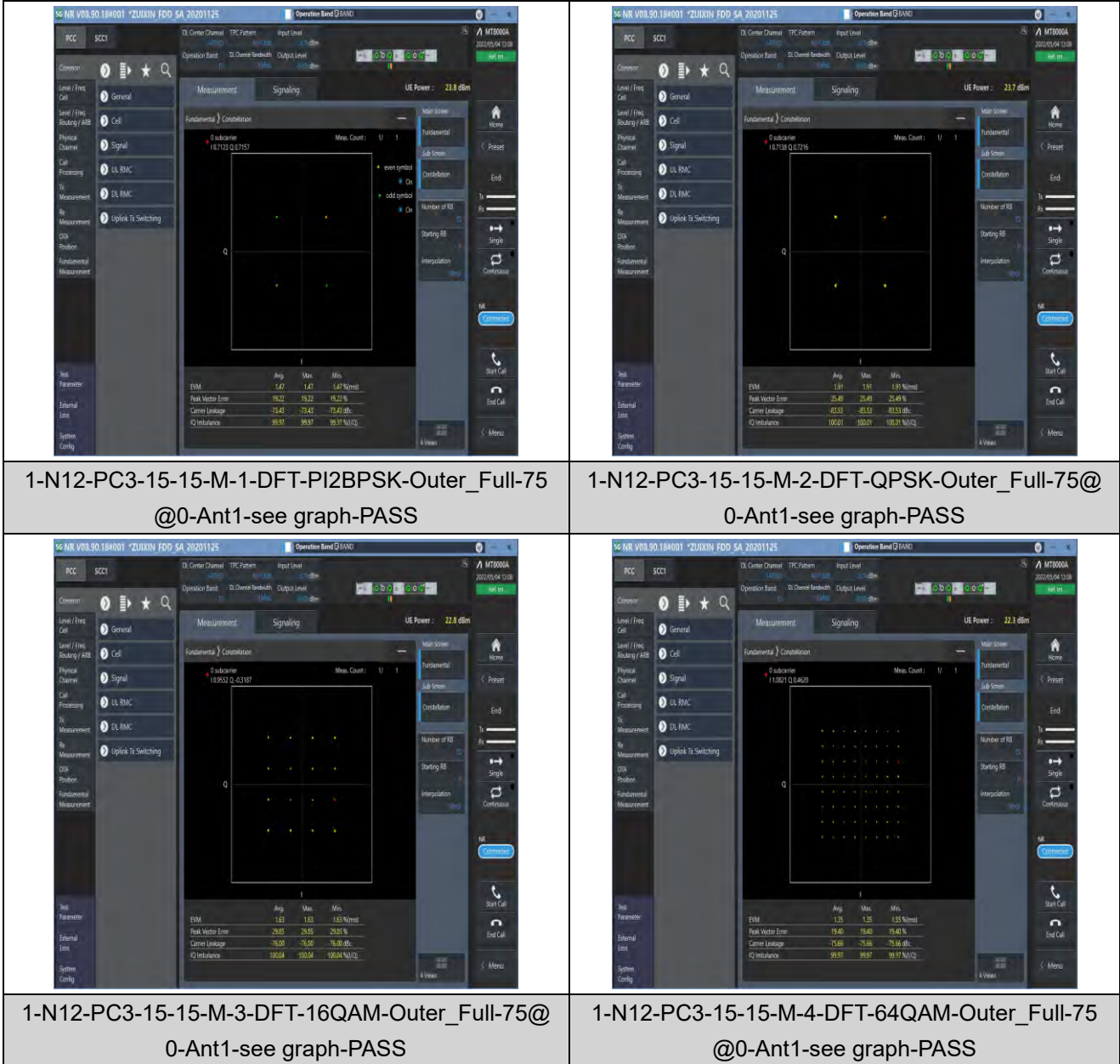
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Test Graphs

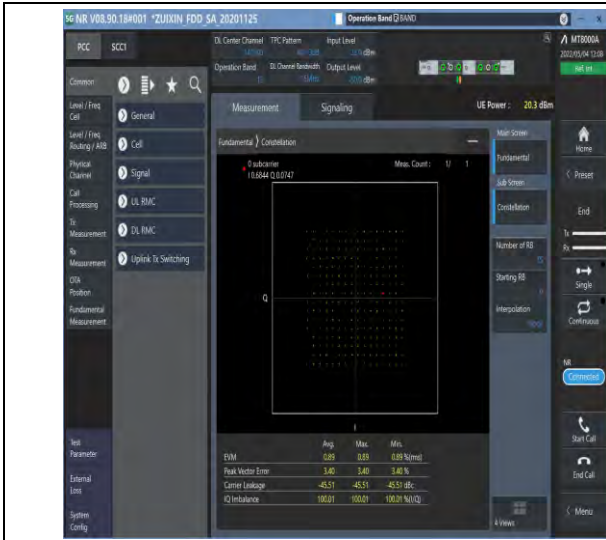


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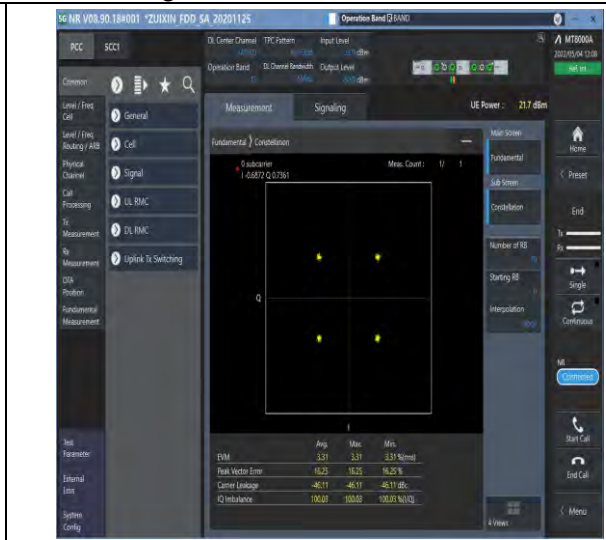
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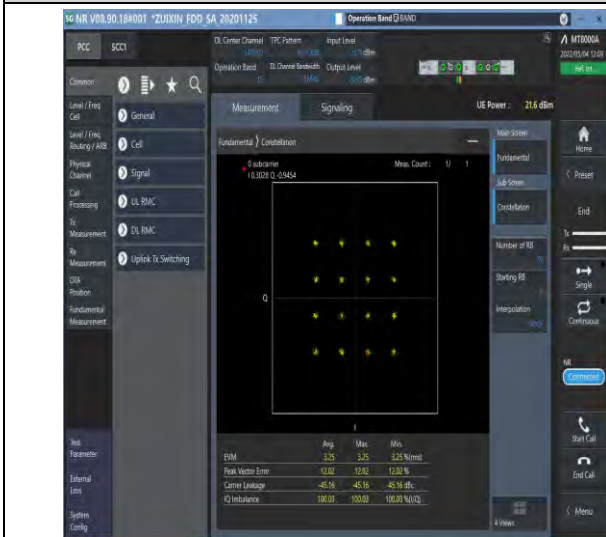
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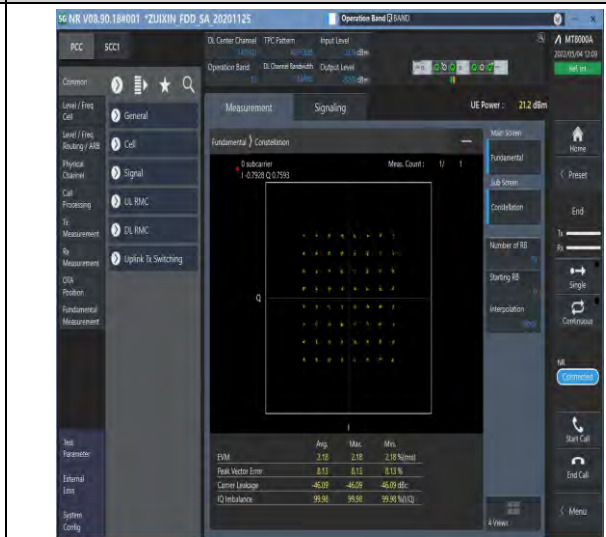
1-N12-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75 @0-Ant1-see graph-PASS



1-N12-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-see graph-PASS



1-N12-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-see graph-PASS



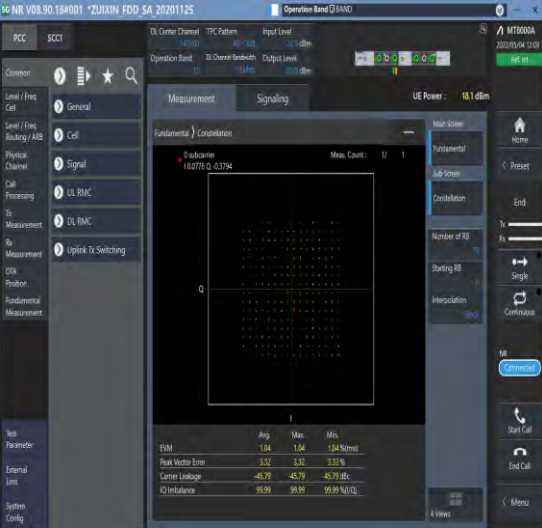
1-N12-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-see graph-PASS



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The screenshot shows a software interface for signal analysis. The main window displays a constellation diagram with a grid. Below the diagram, there is a table of measurement data:

	Av	Max	Min
EVM	1.94	1.94	1.94 (30ms)
Peak Vector Error	3.32	3.32	0.12 %
Carrier Leakage	-45.79	-45.79	-45.79 dBc
IQ Imbalance	95.99	95.99	95.99 %/IQ

At the bottom of the screenshot, the text "1-N12-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@ 0-Ant1-see graph-PASS" is visible.



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N12	15	5	DFT-QPSK	L	Outer_Full	4.466	4.940	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	4.473	5.010	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	4.486	5.040	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	4.478	4.930	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	4.49	4.970	PASS
N12	15	5	CP-QPSK	L	Outer_Full	4.498	5.080	PASS
N12	15	5	CP-16QAM	L	Outer_Full	4.496	5.100	PASS
N12	15	5	CP-64QAM	L	Outer_Full	4.485	5.040	PASS
N12	15	5	CP-256QAM	L	Outer_Full	4.48	5.050	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	4.481	4.910	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	4.476	4.990	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	4.478	5.110	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	4.481	5.010	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	4.479	5.010	PASS
N12	15	5	CP-QPSK	M	Outer_Full	4.497	5.050	PASS
N12	15	5	CP-16QAM	M	Outer_Full	4.491	5.050	PASS
N12	15	5	CP-64QAM	M	Outer_Full	4.478	5.100	PASS
N12	15	5	CP-256QAM	M	Outer_Full	4.478	5.110	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	4.473	4.900	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	4.472	5.030	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	4.486	4.920	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	4.481	4.930	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	4.471	4.990	PASS
N12	15	5	CP-QPSK	H	Outer_Full	4.468	5.030	PASS
N12	15	5	CP-16QAM	H	Outer_Full	4.473	4.930	PASS
N12	15	5	CP-64QAM	H	Outer_Full	4.467	5.100	PASS
N12	15	5	CP-256QAM	H	Outer_Full	4.471	5.050	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	8.914	9.680	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	8.901	9.580	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	8.948	9.660	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	8.912	9.600	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	8.905	9.660	PASS



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N12	15	10	CP-QPSK	L	Outer_Full	9.272	9.960	PASS
N12	15	10	CP-16QAM	L	Outer_Full	9.273	9.920	PASS
N12	15	10	CP-64QAM	L	Outer_Full	9.259	9.980	PASS
N12	15	10	CP-256QAM	L	Outer_Full	9.272	9.960	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	8.91	9.640	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	8.914	9.420	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	8.953	9.580	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	8.94	9.500	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	8.914	9.580	PASS
N12	15	10	CP-QPSK	M	Outer_Full	9.272	10.000	PASS
N12	15	10	CP-16QAM	M	Outer_Full	9.278	10.000	PASS
N12	15	10	CP-64QAM	M	Outer_Full	9.279	10.060	PASS
N12	15	10	CP-256QAM	M	Outer_Full	9.282	10.040	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	8.923	9.520	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	8.905	9.580	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	8.924	9.400	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	8.937	9.660	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	8.91	9.620	PASS
N12	15	10	CP-QPSK	H	Outer_Full	9.279	10.120	PASS
N12	15	10	CP-16QAM	H	Outer_Full	9.26	9.940	PASS
N12	15	10	CP-64QAM	H	Outer_Full	9.235	9.840	PASS
N12	15	10	CP-256QAM	H	Outer_Full	9.258	10.080	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	13.425	14.340	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	13.444	14.280	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	13.429	14.340	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	13.424	14.400	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	13.446	14.250	PASS
N12	15	15	CP-QPSK	L	Outer_Full	14.095	15.030	PASS
N12	15	15	CP-16QAM	L	Outer_Full	14.135	15.090	PASS
N12	15	15	CP-64QAM	L	Outer_Full	14.155	15.150	PASS
N12	15	15	CP-256QAM	L	Outer_Full	14.09	15.120	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	13.446	14.490	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	13.406	14.190	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	13.459	14.400	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	13.426	14.280	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	13.43	14.340	PASS
N12	15	15	CP-QPSK	M	Outer_Full	14.111	15.060	PASS



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N12	15	15	CP-16QAM	M	Outer_Full	14.081	15.090	PASS
N12	15	15	CP-64QAM	M	Outer_Full	14.11	15.120	PASS
N12	15	15	CP-256QAM	M	Outer_Full	14.111	14.940	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	13.409	14.190	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	13.433	14.280	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	13.412	14.130	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	13.41	14.430	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	13.45	14.250	PASS
N12	15	15	CP-QPSK	H	Outer_Full	14.09	14.940	PASS
N12	15	15	CP-16QAM	H	Outer_Full	14.088	14.970	PASS
N12	15	15	CP-64QAM	H	Outer_Full	14.142	15.120	PASS
N12	15	15	CP-256QAM	H	Outer_Full	14.094	15.060	PASS

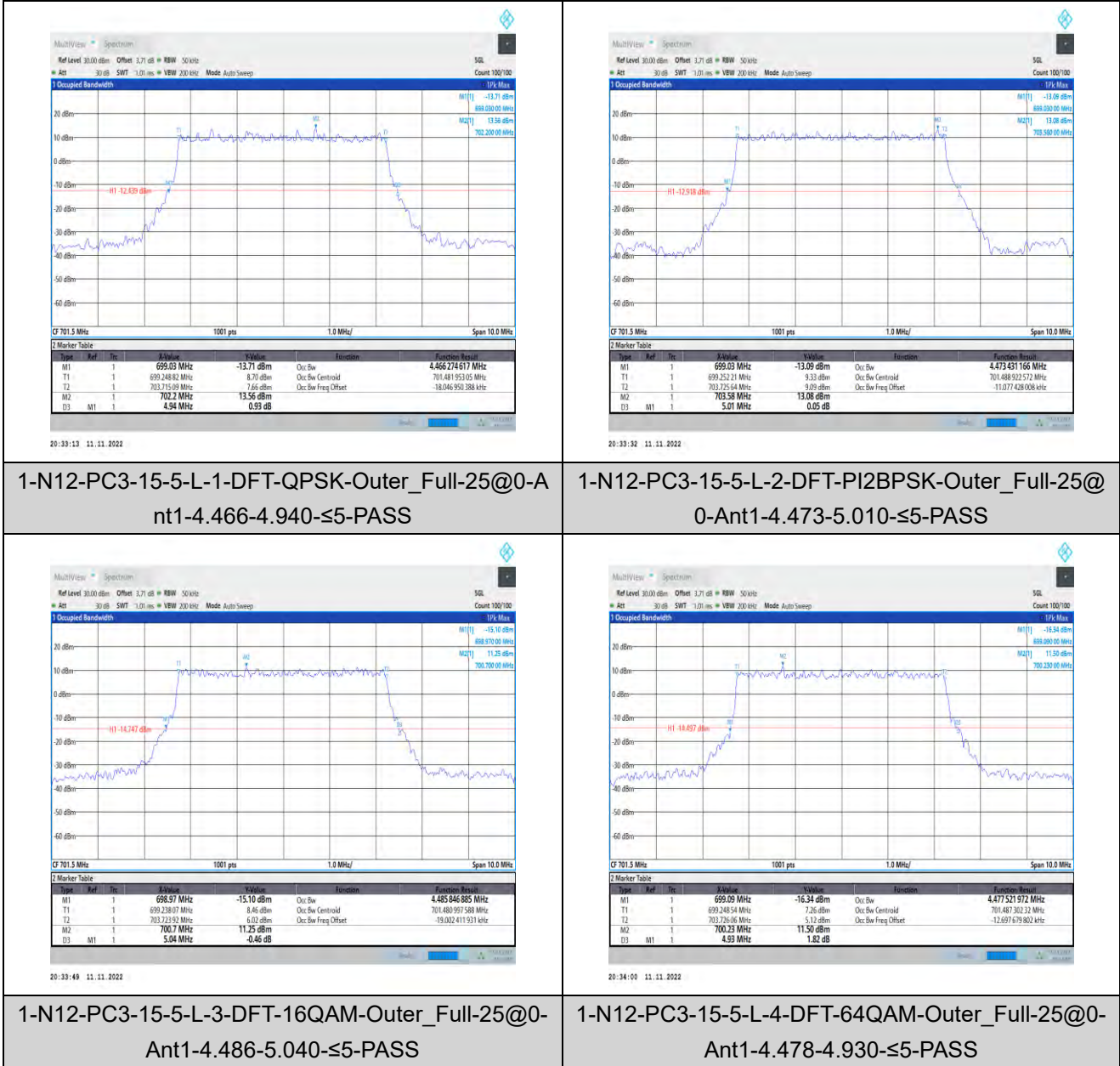


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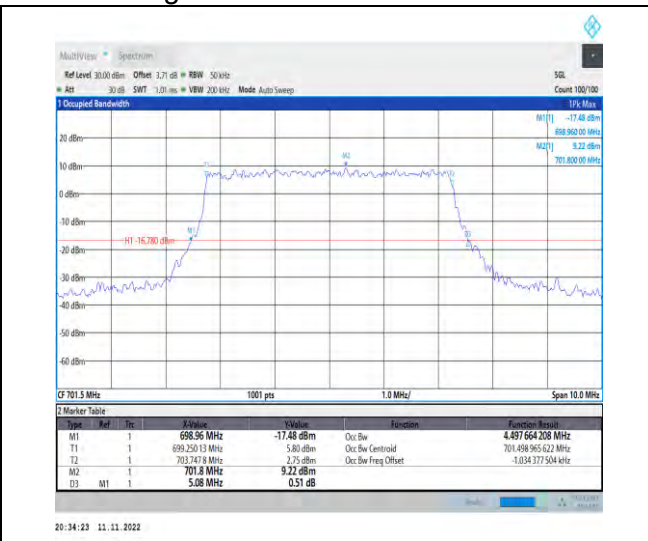
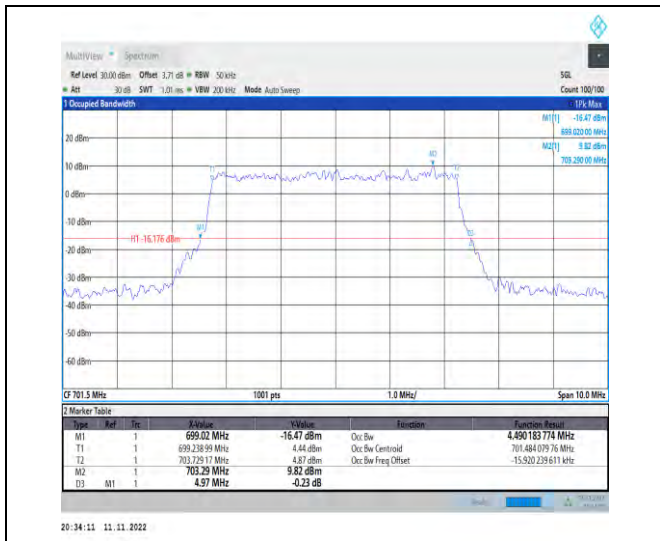
Test Graphs



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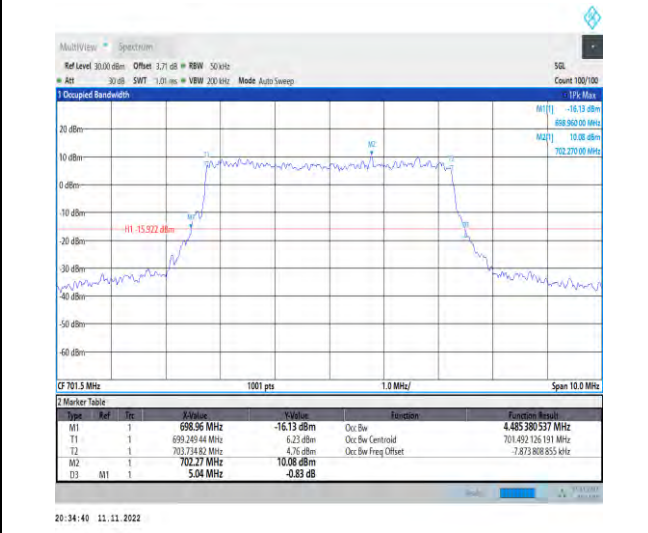
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1-N12-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.49-4.970-\leq5-PASS

1-N12-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.498-5.080-\leq5-PASS



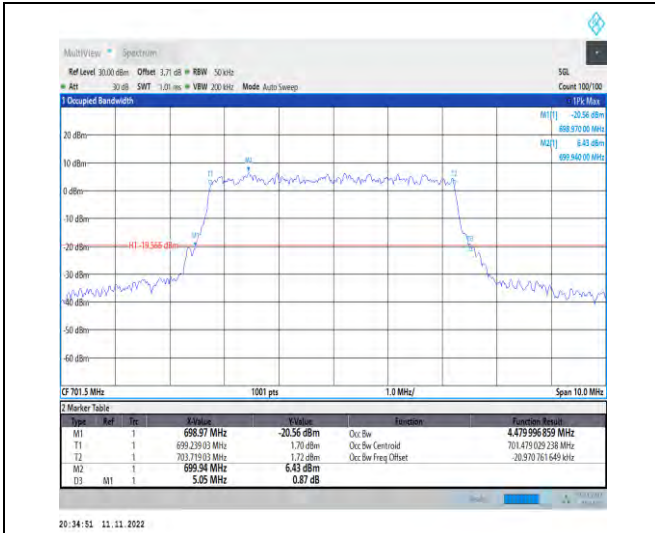
1-N12-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.496-5.100-\leq5-PASS

1-N12-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.485-5.040-\leq5-PASS



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1-N12-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.48-5.050-\leq5-PASS



1-N12-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.481-4.910-\leq5-PASS



1-N12-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.476-4.990-\leq5-PASS



1-N12-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.478-5.110-\leq5-PASS



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1-N12-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0
 -Ant1-4.481-5.010-≤5-PASS



1-N12-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0
 0-Ant1-4.479-5.010-≤5-PASS



1-N12-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-A
 nt1-4.497-5.050-≤5-PASS



1-N12-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-
 Ant1-4.491-5.050-≤5-PASS



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1-N12-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.478-5.100-≤5-PASS

1-N12-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.478-5.110-≤5-PASS



1-N12-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.473-4.900-≤5-PASS

1-N12-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.472-5.030-≤5-PASS



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1-N12-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.486-4.920-≤5-PASS



1-N12-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.481-4.930-≤5-PASS



1-N12-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.471-4.990-≤5-PASS

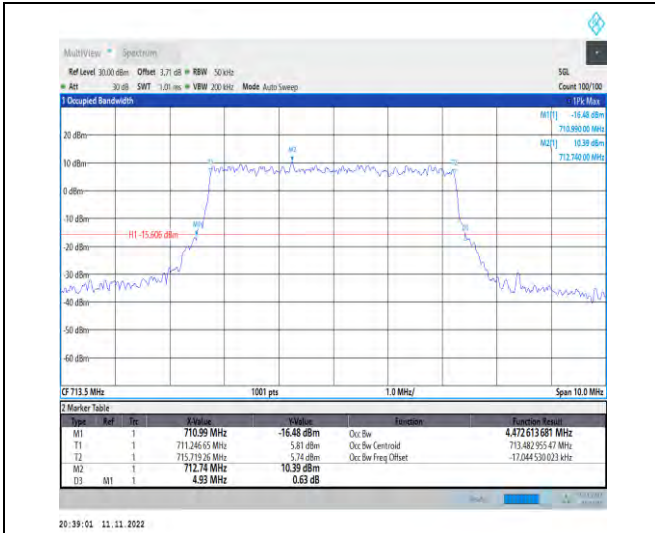


1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.468-5.030-≤5-PASS



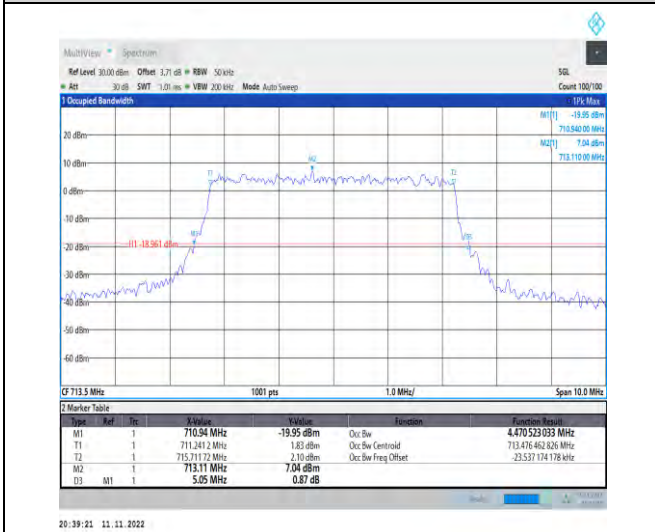
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1-N12-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.473-4.930-≤5-PASS

1-N12-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.467-5.100-≤5-PASS



1-N12-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.471-5.050-≤5-PASS

1-N12-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.914-9.680-≤10-PASS



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1-N12-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50 @0-Ant1-8.901-9.580-≤10-PASS

1-N12-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50 @0-Ant1-8.948-9.660-≤10-PASS



1-N12-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50 @0-Ant1-8.912-9.600-≤10-PASS

1-N12-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50 @0-Ant1-8.905-9.660-≤10-PASS



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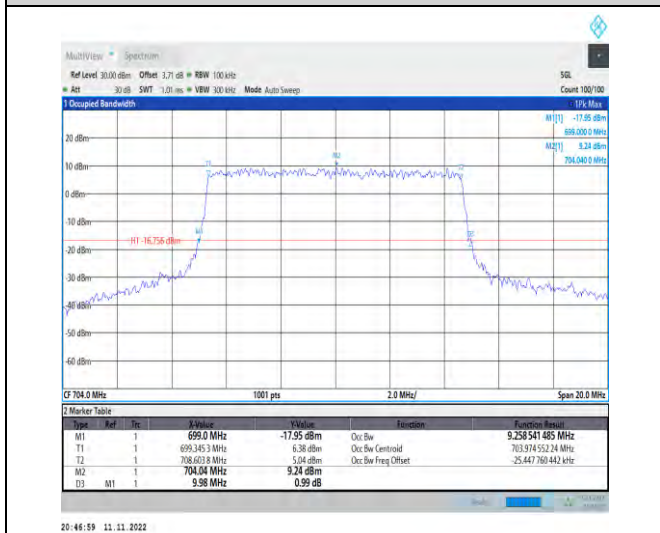
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1-N12-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-A
 Ant1-9.272-9.960-≤10-PASS



1-N12-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-
 Ant1-9.273-9.920-≤10-PASS



1-N12-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-
 Ant1-9.259-9.980-≤10-PASS



1-N12-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-
 Ant1-9.272-9.960-≤10-PASS



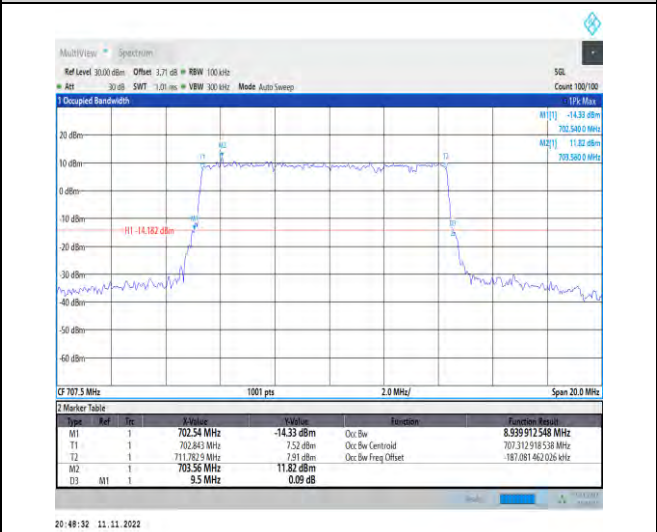
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1-N12-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.91-9.640-≤10-PASS

1-N12-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.914-9.420-≤10-PASS



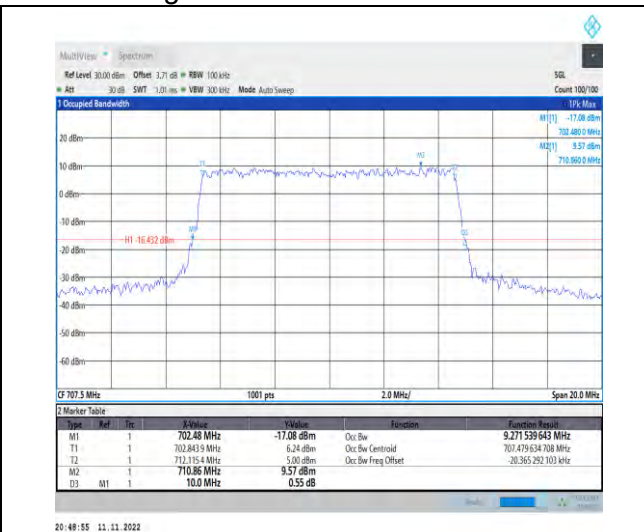
1-N12-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.953-9.580-≤10-PASS

1-N12-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.94-9.500-≤10-PASS



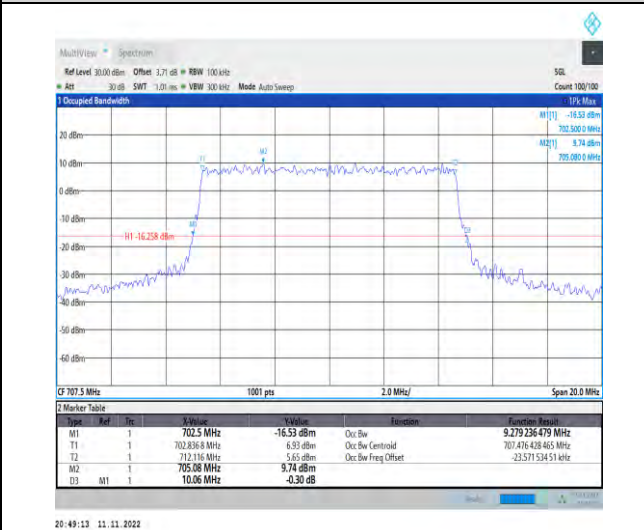
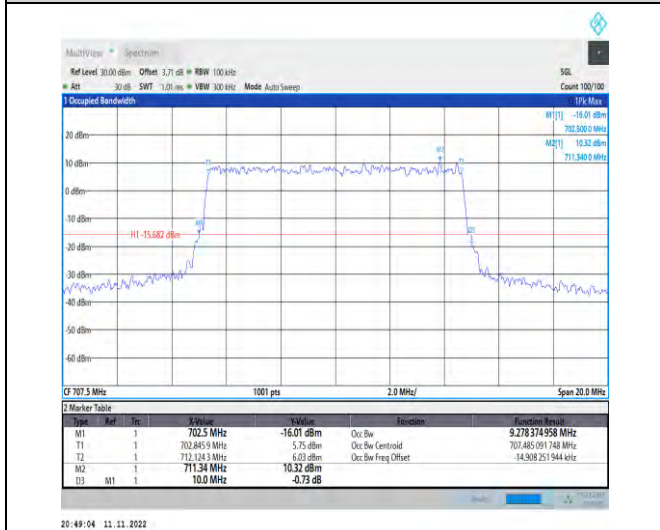
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1-N12-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.272-10.000-≤10-PASS



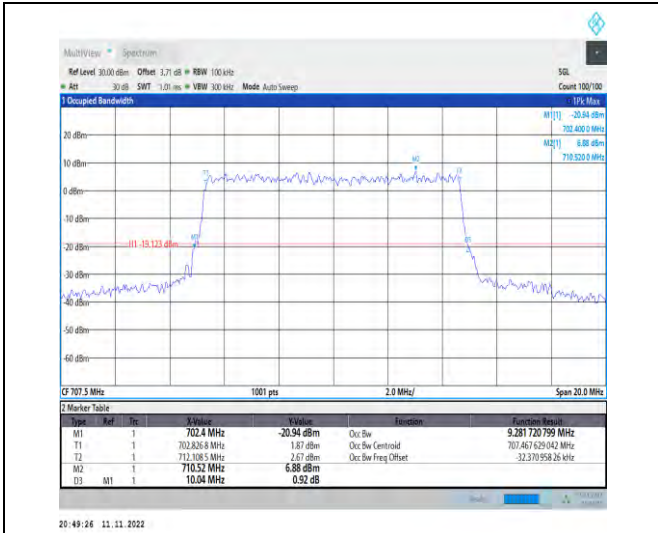
1-N12-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.278-10.000-≤10-PASS

1-N12-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.279-10.060-≤10-PASS

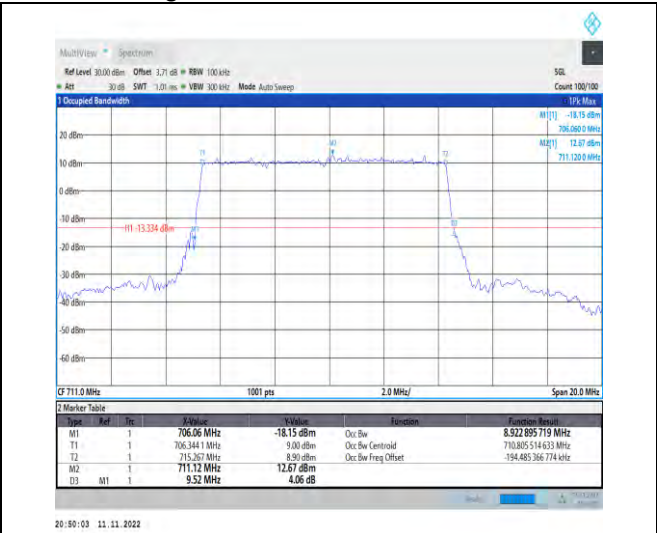


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1-N12-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@
0-Ant1-9.282-10.040-≤10-PASS



1-N12-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@
0-Ant1-8.923-9.520-≤10-PASS



1-N12-PC3-15-10-H-2-DFT-PI2BPSK-Outer_Full-50
@0-Ant1-8.905-9.580-≤10-PASS



1-N12-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@
0-Ant1-8.924-9.400-≤10-PASS



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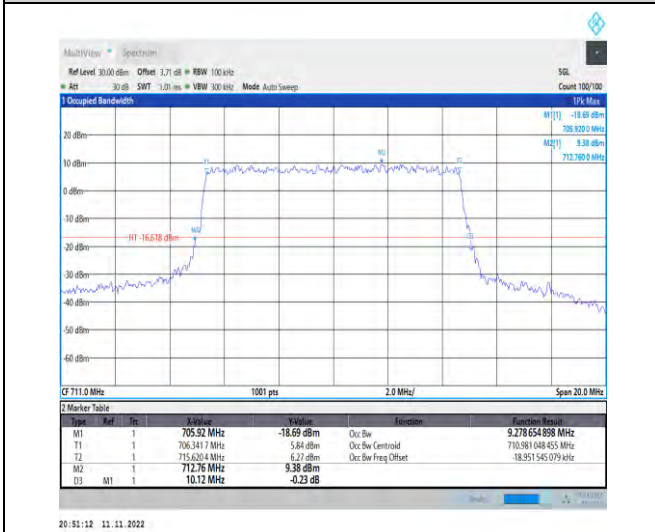
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1-N12-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@
0-Ant1-8.937-9.660-≤10-PASS



1-N12-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50
@0-Ant1-8.91-9.620-≤10-PASS



1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-
Ant1-9.279-10.120-≤10-PASS



1-N12-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0
-Ant1-9.26-9.940-≤10-PASS



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1-N12-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0
-Ant1-9.235-9.840-≤10-PASS



1-N12-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@
0-Ant1-9.258-10.080-≤10-PASS



1-N12-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-
Ant1-13.425-14.340-≤15-PASS

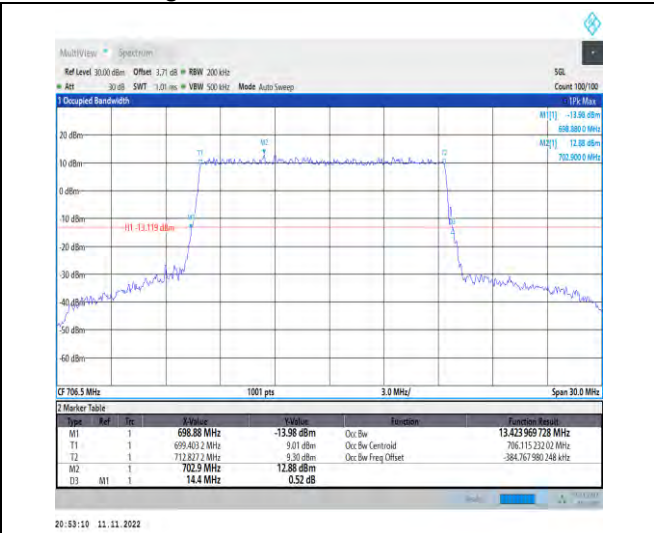


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@0-Ant1-13.444-14.280-≤15-PASS



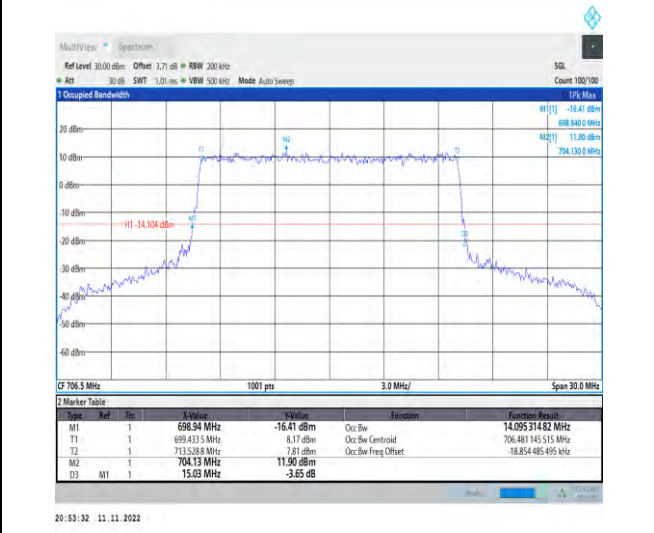
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1-N12-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.429-14.340-≤15-PASS

1-N12-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.424-14.400-≤15-PASS



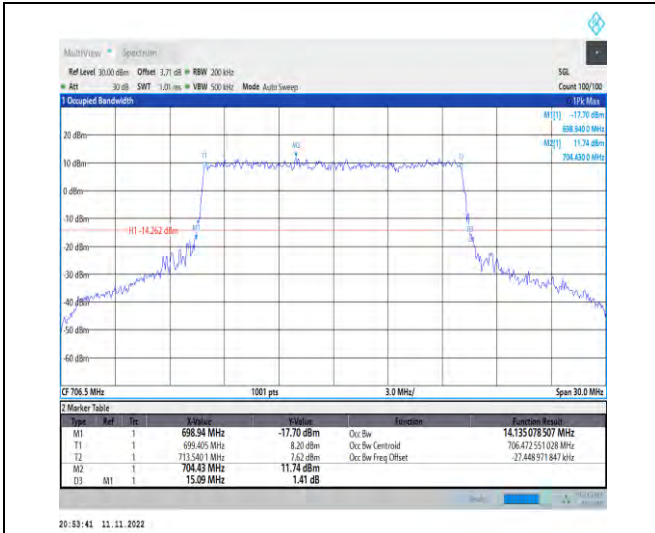
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1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-14.095-15.030-≤15-PASS

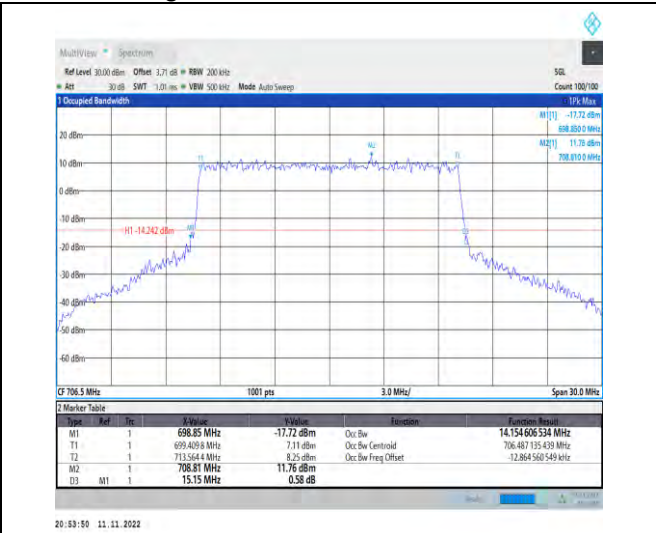


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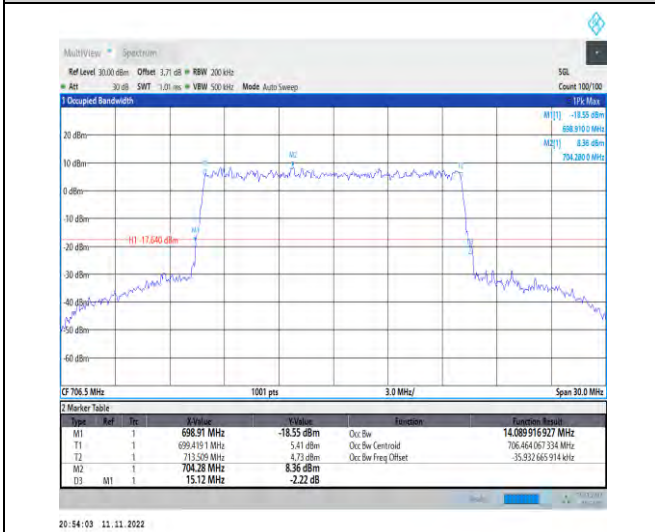
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1-N12-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.135-15.090-≤15-PASS



1-N12-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.155-15.150-≤15-PASS



1-N12-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.09-15.120-≤15-PASS



1-N12-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.446-14.490-≤15-PASS



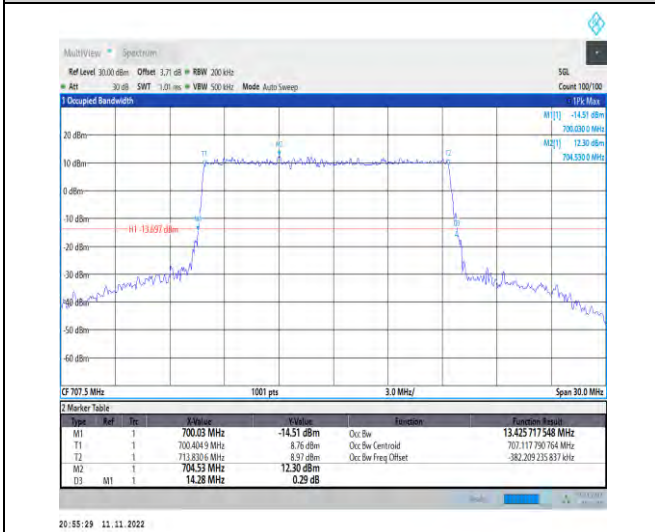
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1-N12-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75 @0-Ant1-13.406-14.190-≤15-PASS

1-N12-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75 @0-Ant1-13.459-14.400-≤15-PASS



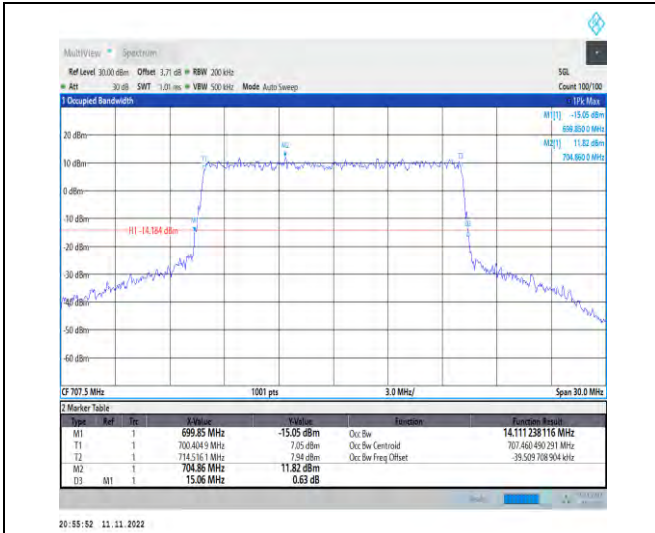
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1-N12-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75 @0-Ant1-13.43-14.340-≤15-PASS



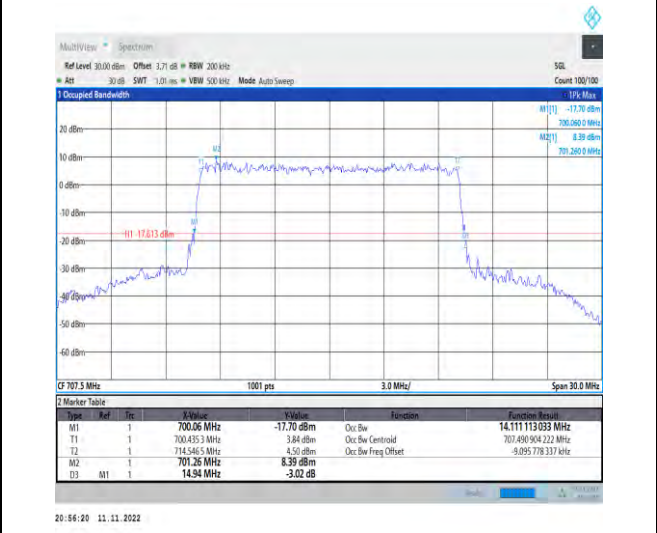
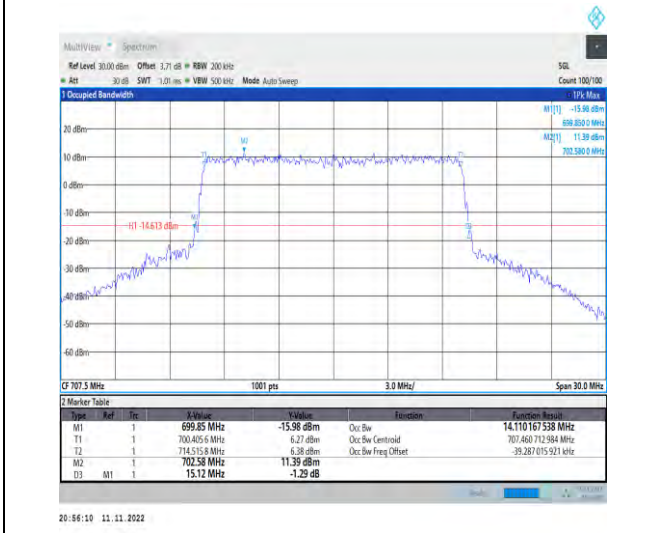
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1-N12-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.111-15.060-≤15-PASS

1-N12-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.081-15.090-≤15-PASS



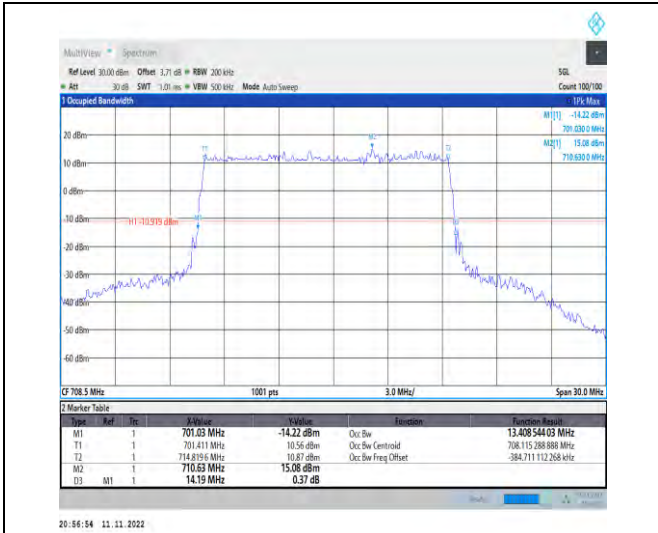
1-N12-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.11-15.120-≤15-PASS

1-N12-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.111-14.940-≤15-PASS



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1-N12-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.409-14.190-≤15-PASS



1-N12-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.433-14.280-≤15-PASS



1-N12-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.412-14.130-≤15-PASS

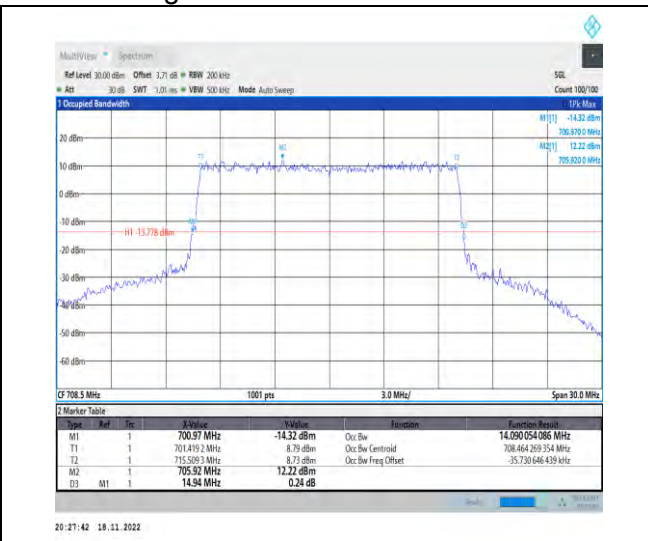
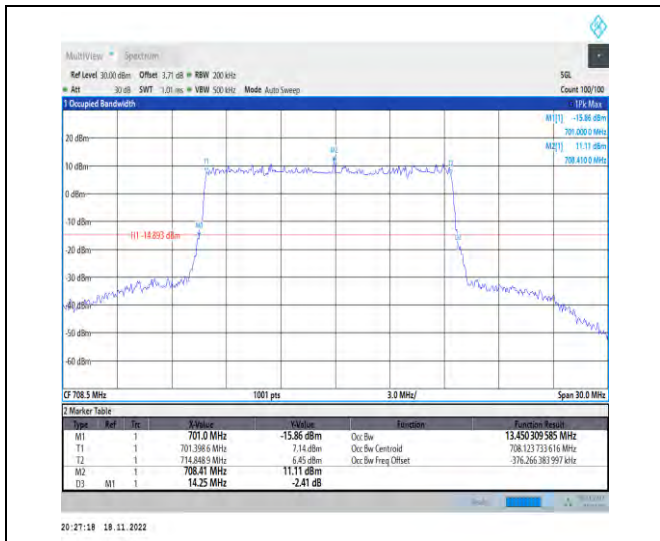


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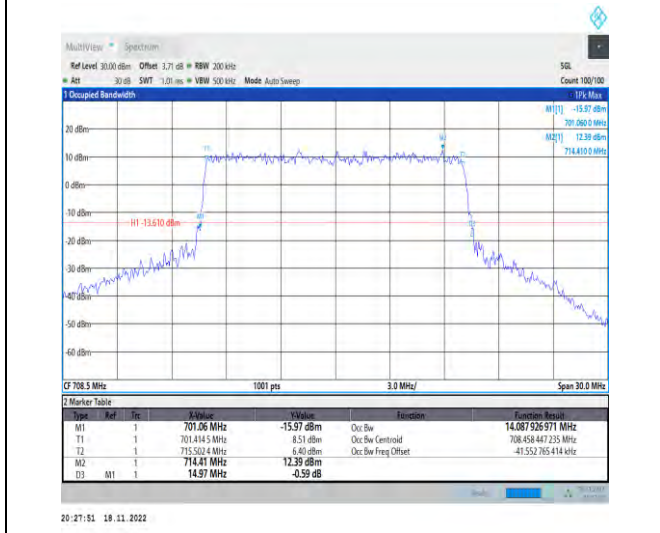
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1-N12-PC3-15-15-H-5-DFT-256QAM-Outer_Full-75 @0-Ant1-13.45-14.250-≤15-PASS

1-N12-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-14.09-14.940-≤15-PASS



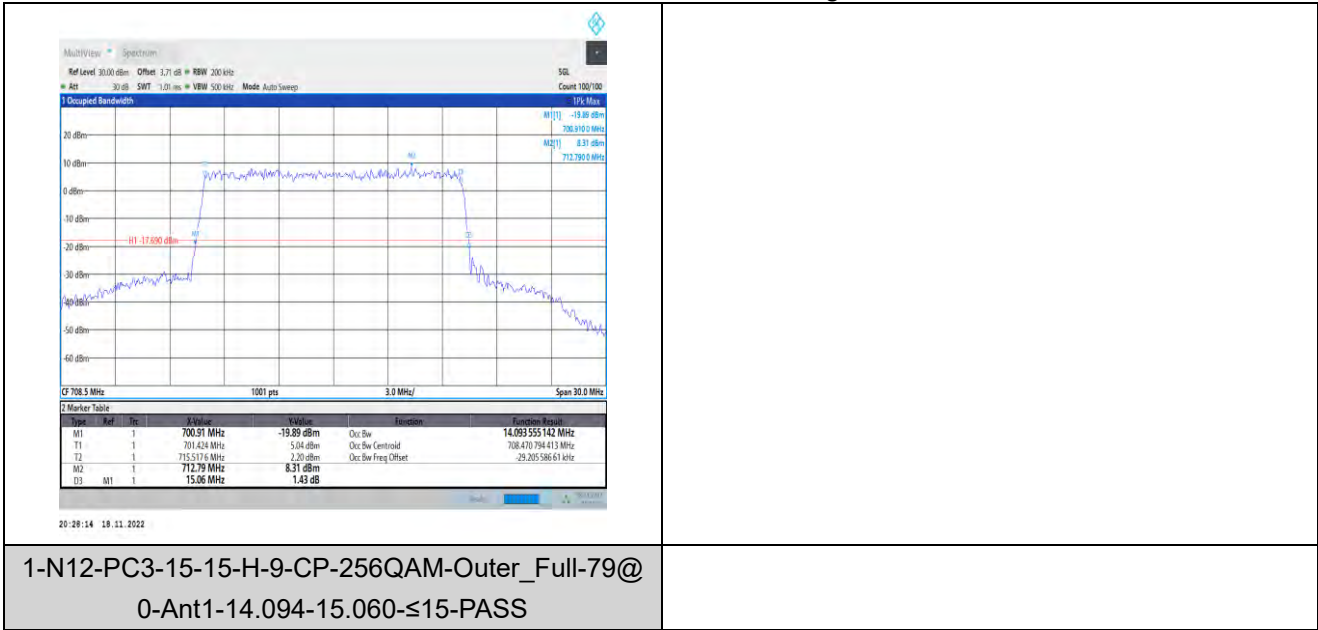
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1-N12-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant1-14.142-15.120-≤15-PASS



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1-N12-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@
0-Ant1-14.094-15.060-≤15-PASS



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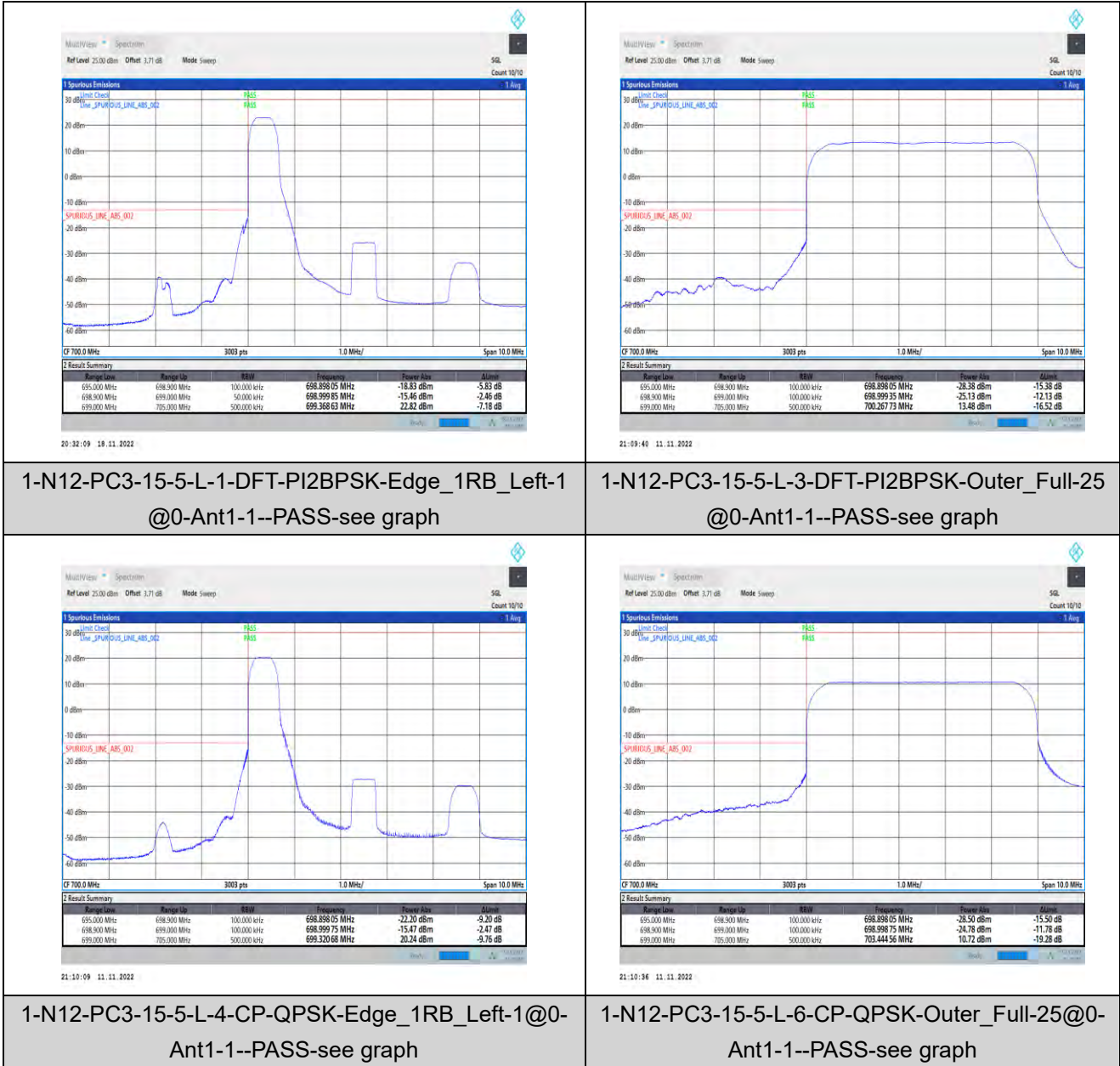
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Band Edge for SA

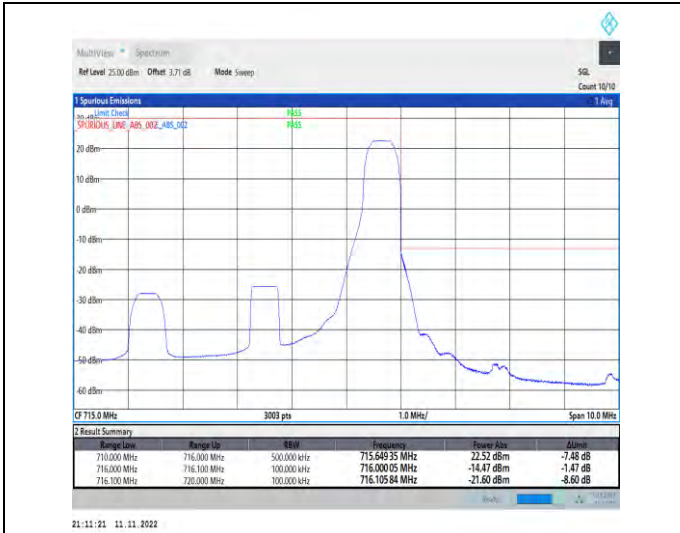
Test Graphs



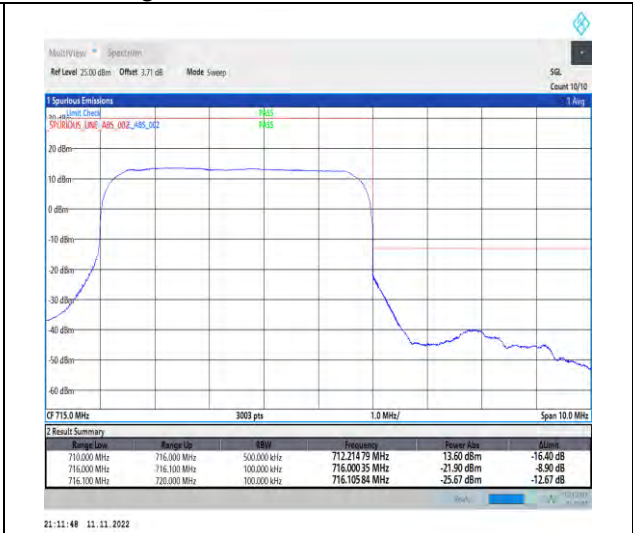
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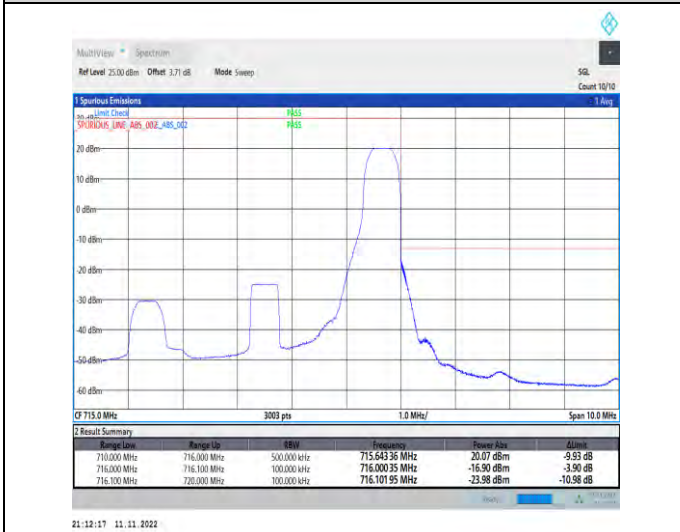
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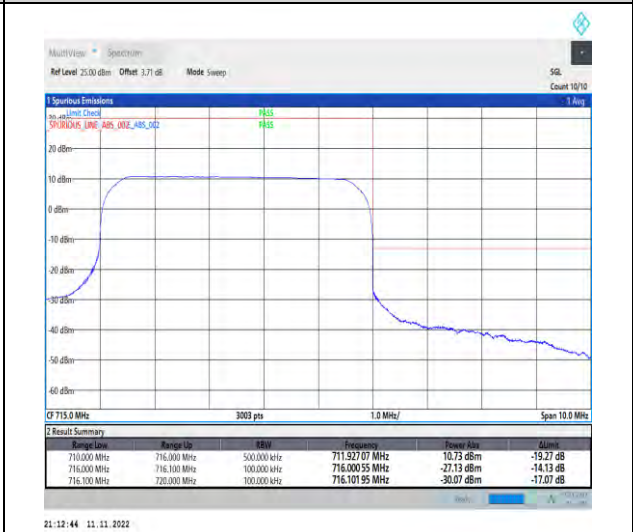
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1-N12-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



1-N12-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



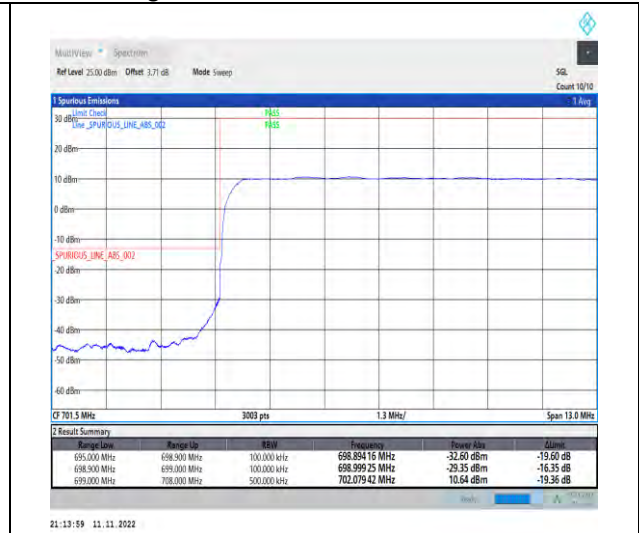
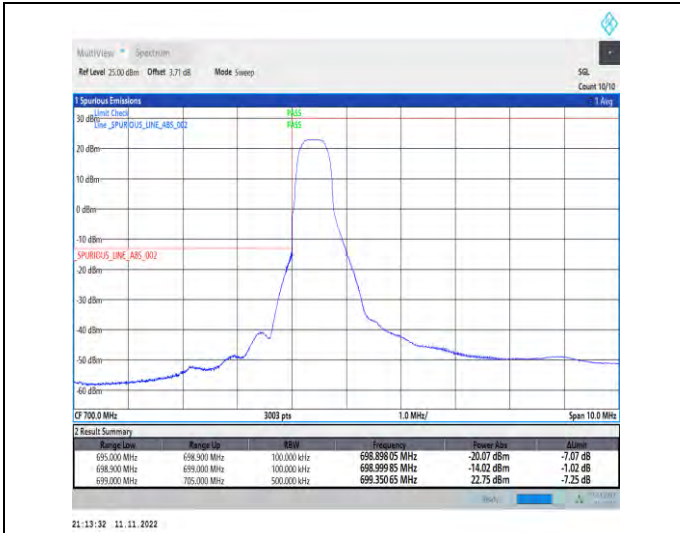
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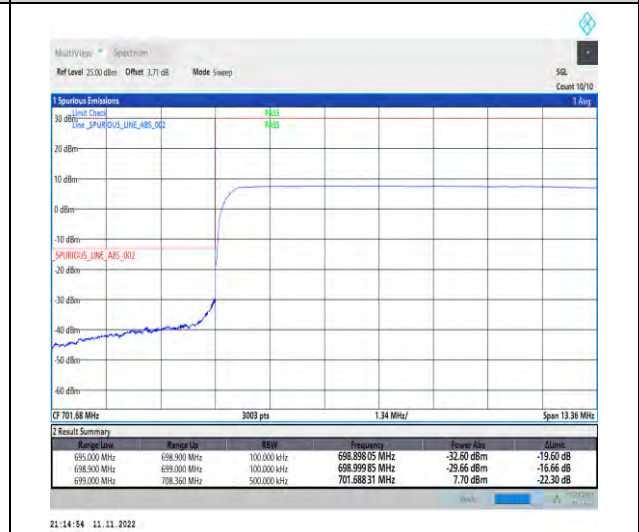
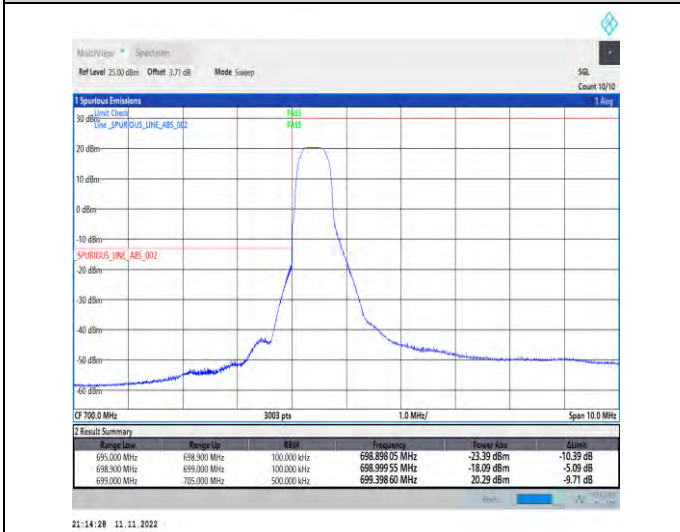
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1-N12-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N12-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



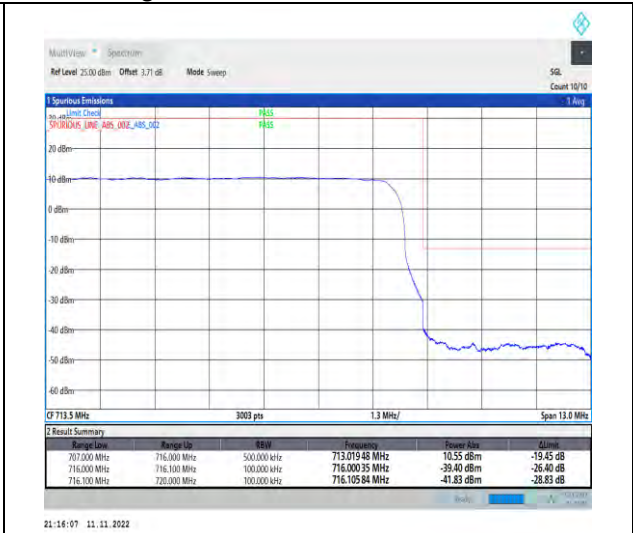
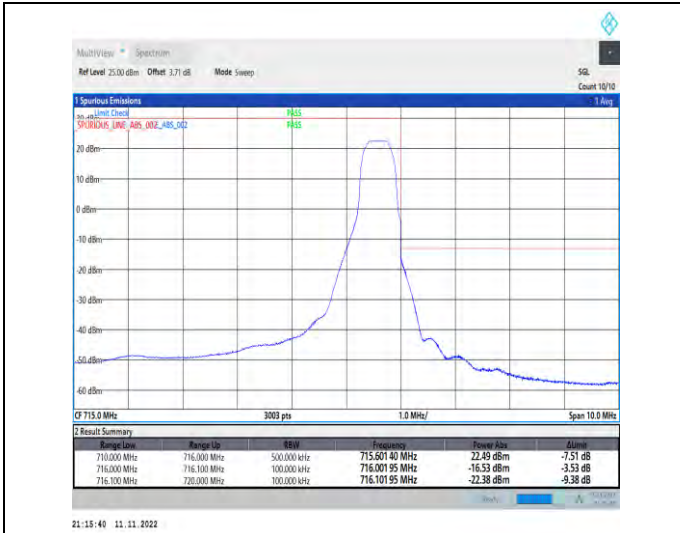
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1-N12-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



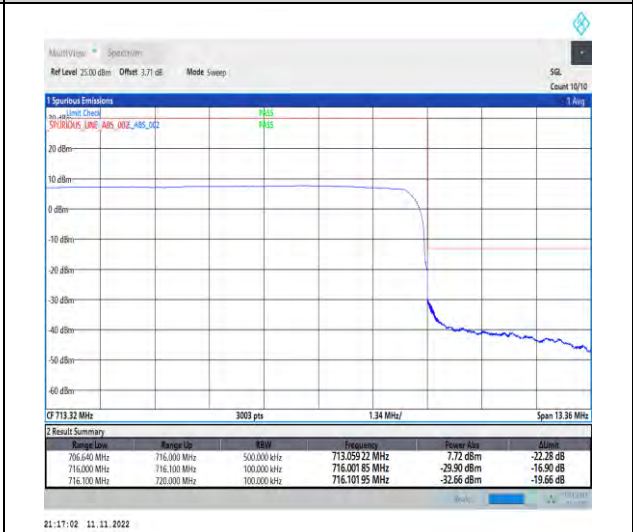
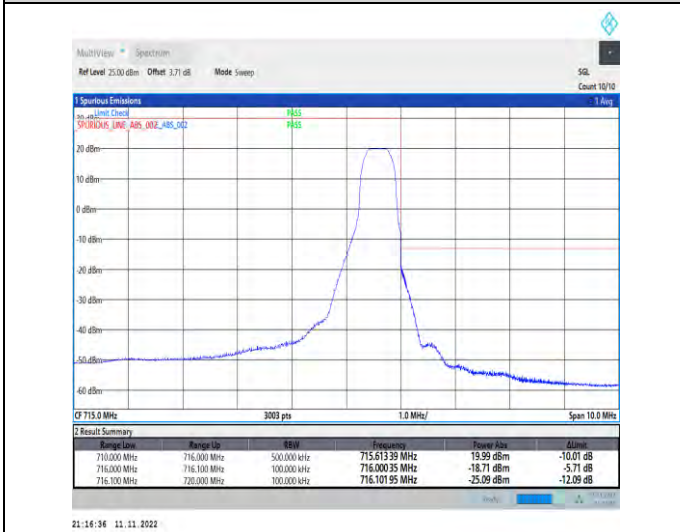
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1-N12-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@51-Ant1-1--PASS-see graph

1-N12-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N12-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph

1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph

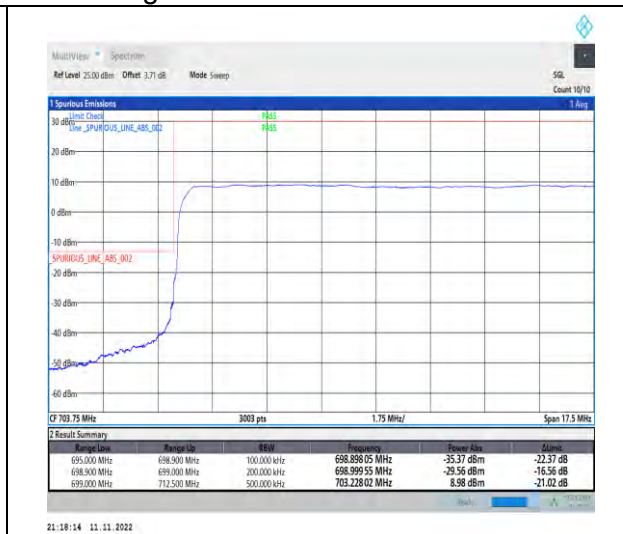
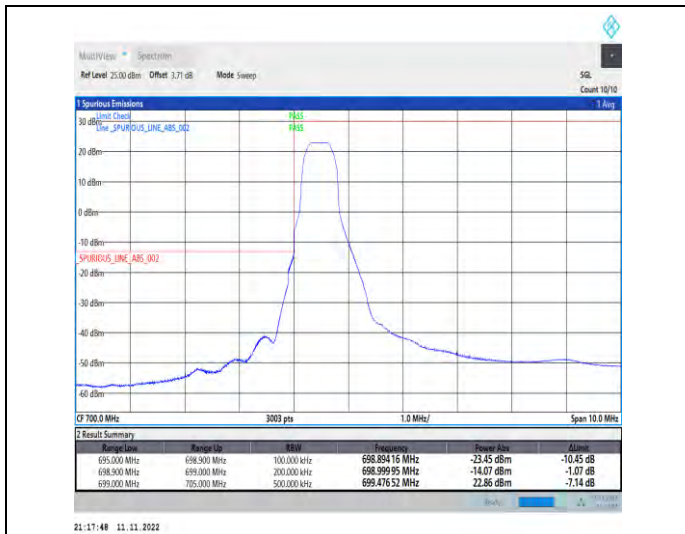


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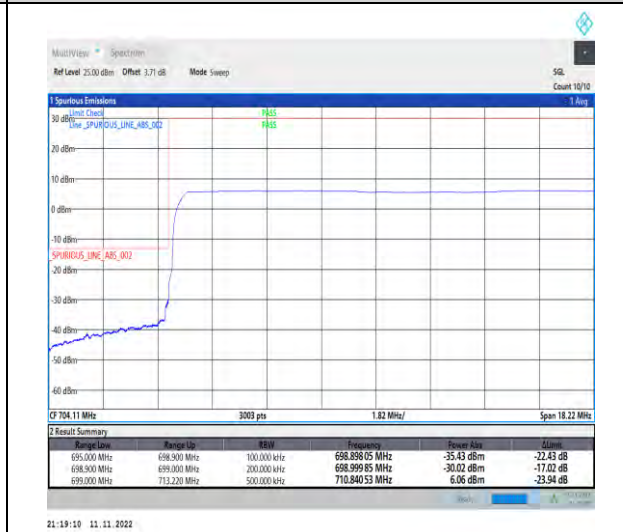
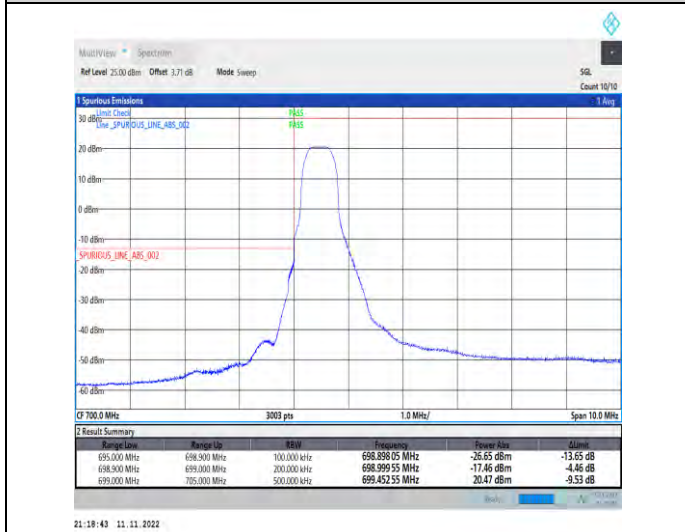
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1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N12-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



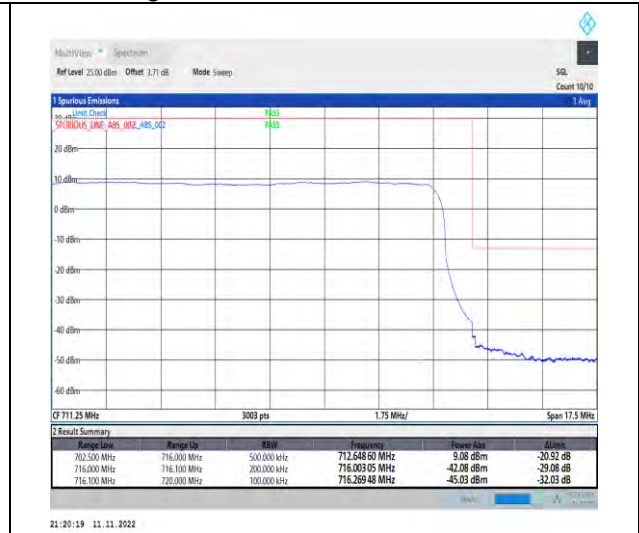
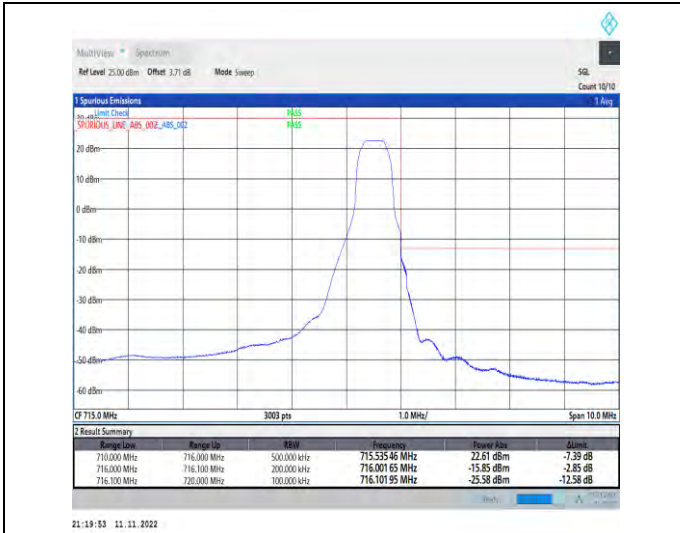
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1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1--PASS-see graph



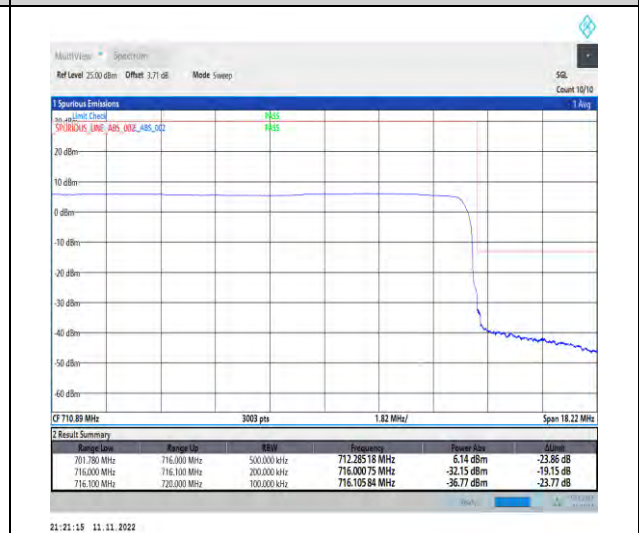
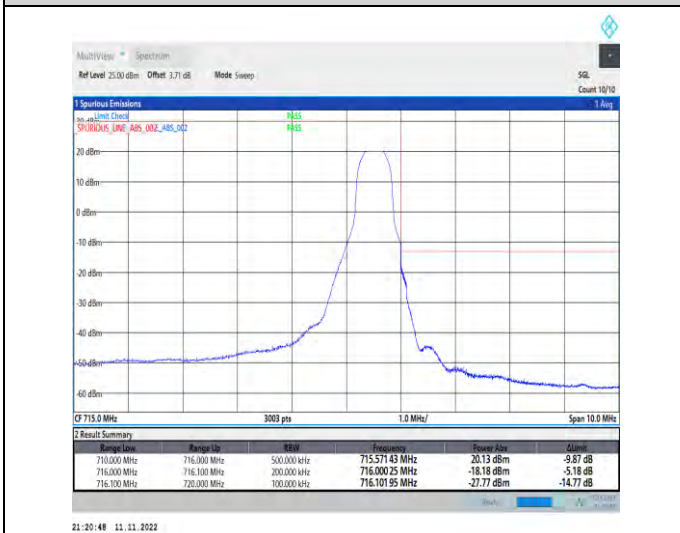
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1-N12-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@78-Ant1-1--PASS-see graph

1-N12-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-7 5@0-Ant1-1--PASS-see graph



1-N12-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Righ t-1@78-Ant1-1--PASS-see graph

1-N12-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@ 0-Ant1-1--PASS-see graph



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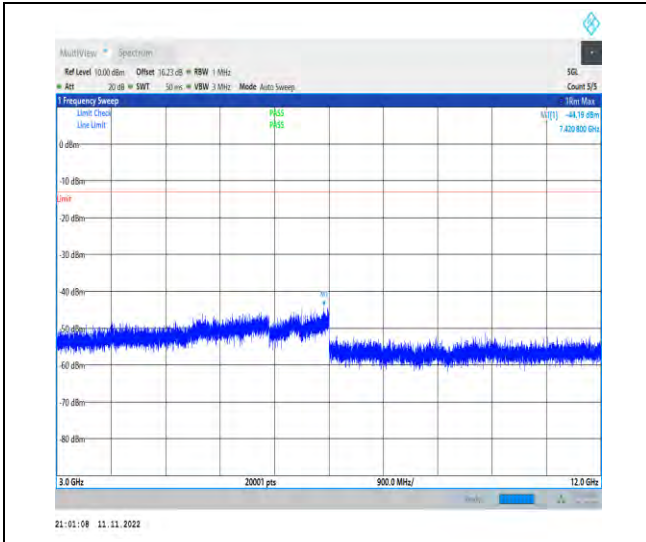
Test Graphs

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<p>1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Inner_1RB_Le ft-1@1-30-1000-Ant1-34.37--50.56--13-PASS</p>	<p>1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Inner_1RB_Left -1@1-1000-3000-Ant1-2972.00--39.55--13-PASS</p>

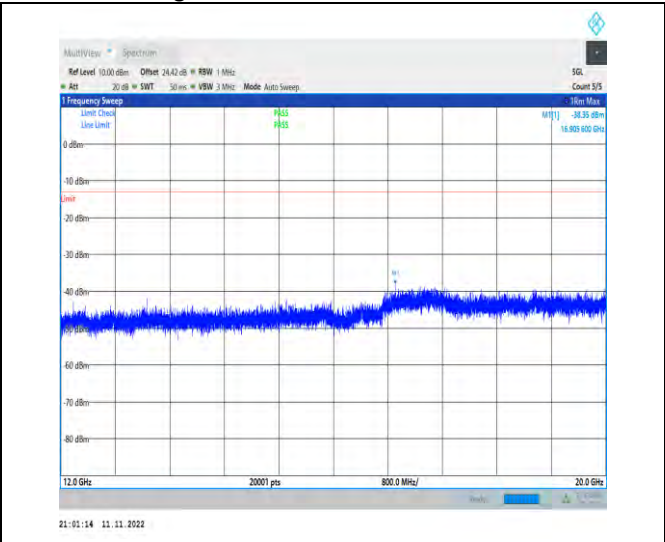


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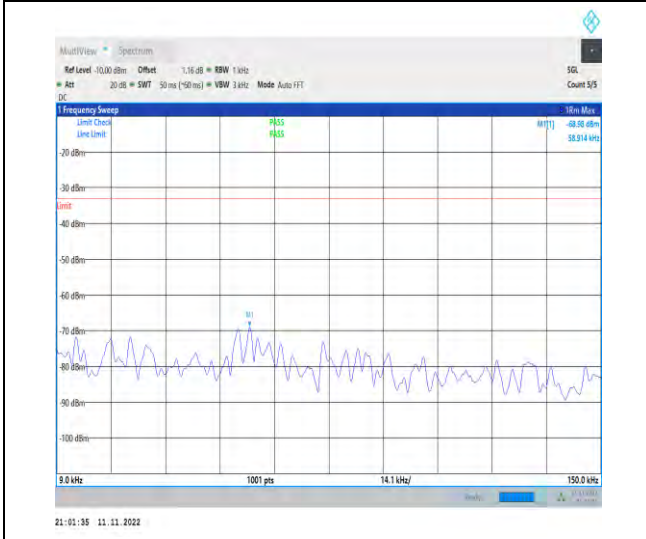
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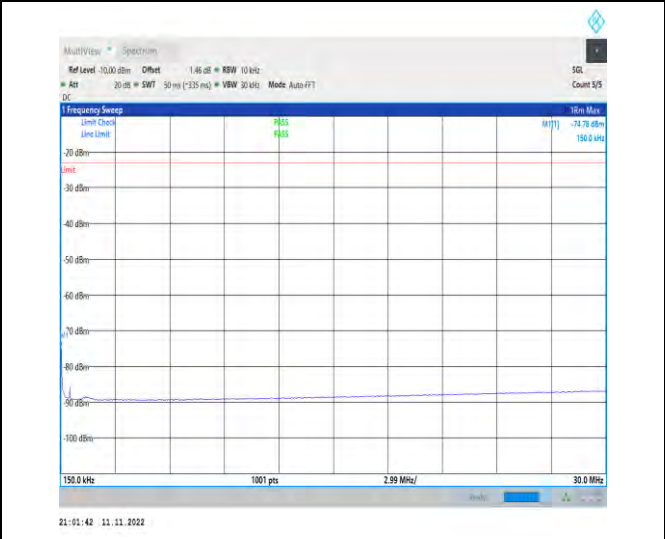
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1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-16905.60--38.35--13-PASS



1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.06--68.98--33-PASS



1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--74.78--23-PASS

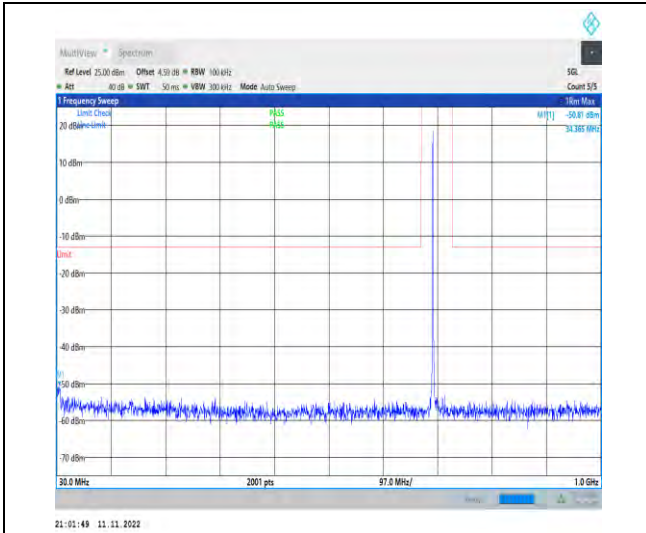


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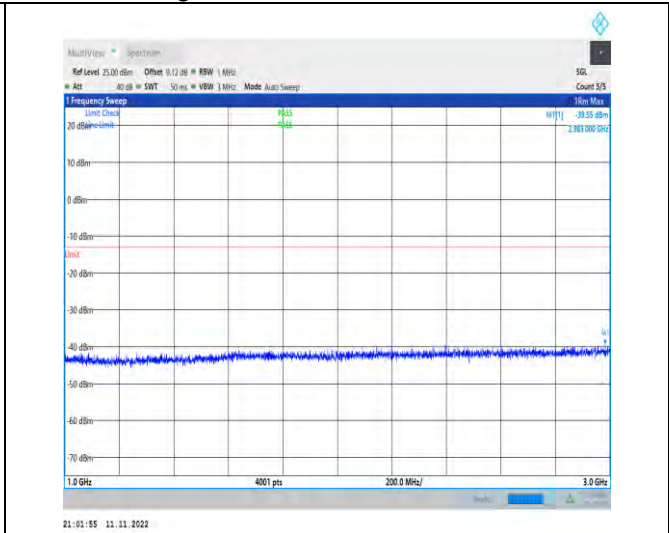
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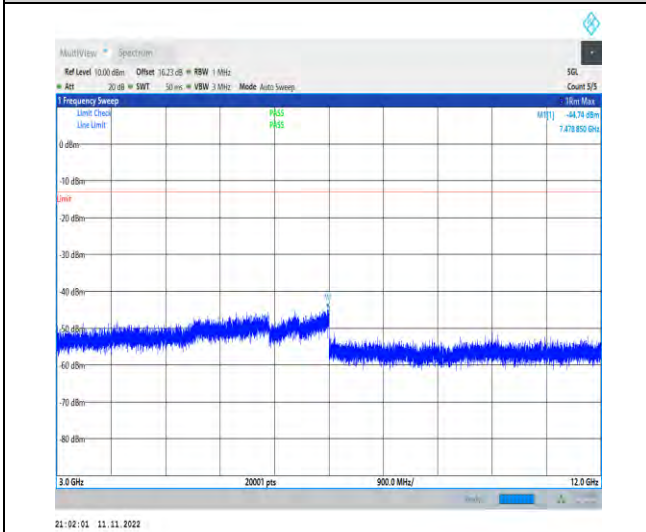
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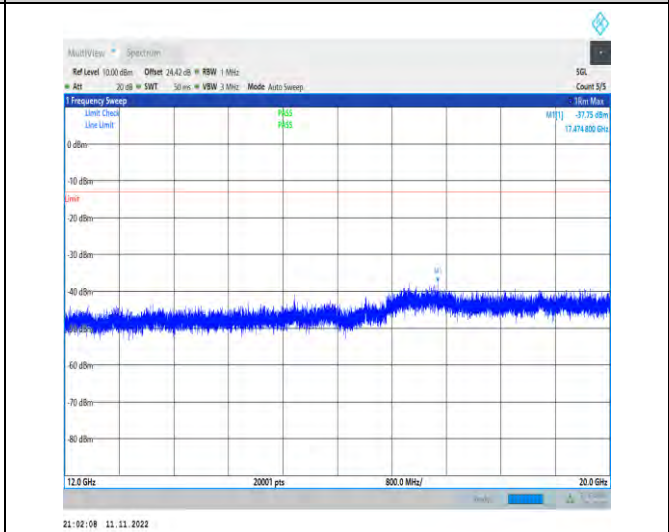
1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-30-1000-Ant1-34.37--50.81--13-PASS



1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-1000-3000-Ant1-2983.00--39.55--13-PASS



1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-3000-12000-Ant1-7478.85--44.74--13-PAS S



1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-12000-20000-Ant1-17474.80--37.75--13-PASS

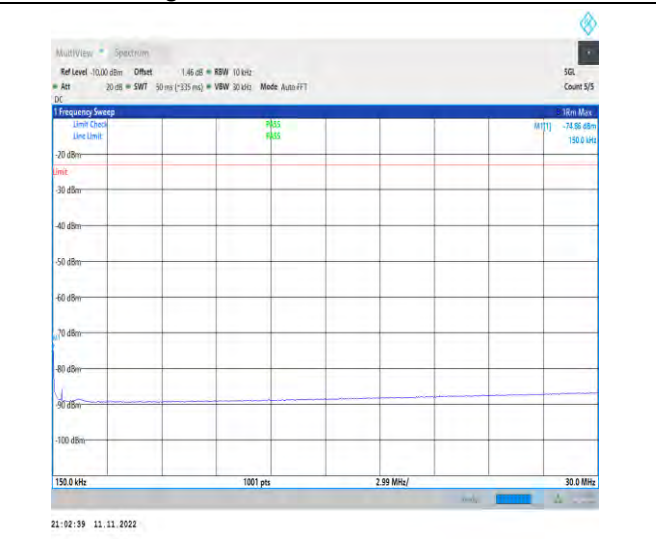


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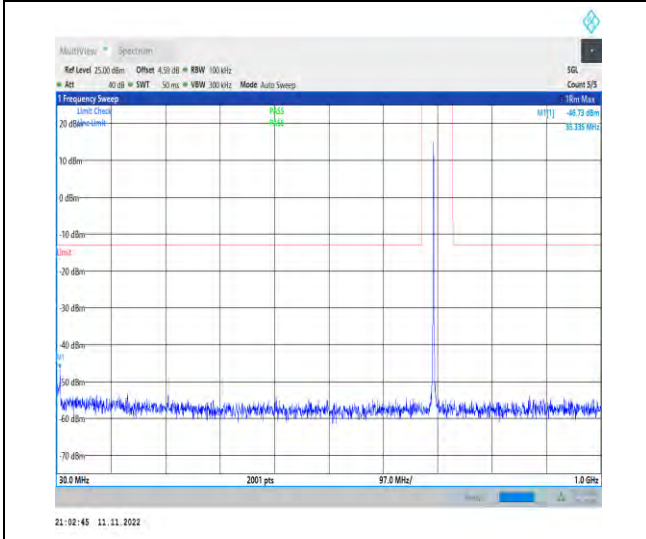
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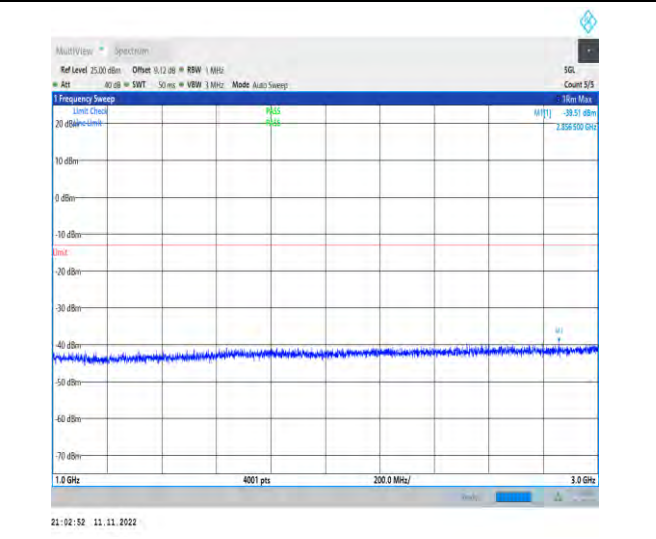
1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-0.009-0.15-Ant1-0.06--69.28--33-PASS



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-0.15-30-Ant1-0.15--74.86--23-PASS



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant1-35.34--46.73--13-PASS

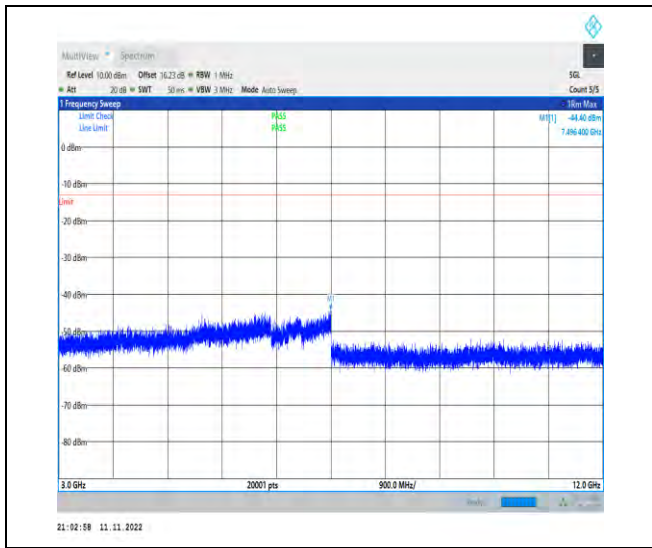


1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-1000-3000-Ant1-2856.50--39.51--13-PASS

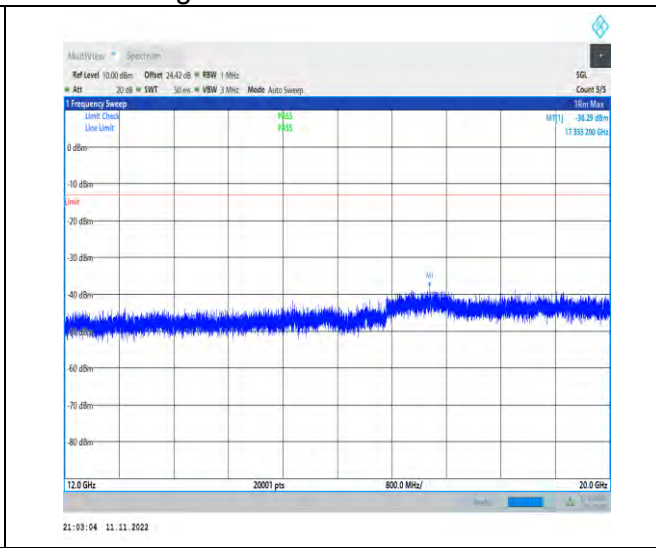


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1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L
 eft-1@1-3000-12000-Ant1-7496.40--44.40--13-PAS
 S



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L ef
 t-1@1-12000-20000-Ant1-17355.20--38.29--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 12_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.68	49.37	-48.73	25.40	-69.22	-13.00	56.22	296	1	Horizontal
2	2099.52	43.25	-47.88	27.10	-72.79	-13.00	59.79	142	331	Horizontal
3	2799.36	42.36	-46.68	28.92	-70.66	-13.00	57.66	221	357	Horizontal
4	3499.2	42.63	-46.05	29.40	-69.28	-13.00	56.28	142	346	Horizontal
5	4199.04	41.23	-45.11	30.92	-68.22	-13.00	55.22	263	300	Horizontal
6	4898.88	40.68	-45.15	32.36	-67.37	-13.00	54.37	365	267	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.68	46.75	-48.73	25.40	-71.84	-13.00	58.84	142	360	Vertical
2	2099.52	43.64	-47.88	27.10	-72.40	-13.00	59.40	285	360	Vertical
3	2799.36	42.36	-46.68	28.92	-70.66	-13.00	57.66	263	357	Vertical
4	3499.2	42.79	-46.05	29.40	-69.12	-13.00	56.12	265	63	Vertical
5	4199.04	41.13	-45.11	30.92	-68.32	-13.00	55.32	241	204	Vertical
6	4898.88	40.22	-45.15	32.36	-67.83	-13.00	54.83	142	142	Vertical



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Test Band = SA Band 12_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1400.8889	57.50	-48.73	25.40	-61.09	-13.00	48.09	296	187	Horizontal
2	2802.2222	51.26	-46.68	28.93	-61.76	-13.00	48.76	265	170	Horizontal
3	2102.52	43.06	-47.88	27.11	-72.97	-13.00	59.97	241	124	Horizontal
4	3504.2	42.04	-46.05	29.41	-69.85	-13.00	56.85	112	357	Horizontal
5	4205.04	41.24	-45.11	30.93	-68.20	-13.00	55.20	263	266	Horizontal
6	4905.88	40.57	-45.14	32.37	-67.46	-13.00	54.46	221	45	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1400.8889	57.91	-48.73	25.40	-60.68	-13.00	47.68	196	140	Vertical
2	2802.2222	54.00	-46.68	28.93	-59.02	-13.00	46.02	265	233	Vertical
3	2102.52	43.44	-47.88	27.11	-72.59	-13.00	59.59	284	327	Vertical
4	3504.2	42.50	-46.05	29.41	-69.39	-13.00	56.39	142	77	Vertical
5	4205.04	41.53	-45.11	30.93	-67.91	-13.00	54.91	263	360	Vertical
6	4905.88	40.42	-45.14	32.37	-67.61	-13.00	54.61	221	360	Vertical



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Test Band = SA Band 12_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.68	45.11	-48.72	25.40	-73.47	-13.00	60.47	241	329	Horizontal
2	2105.52	42.99	-47.87	27.11	-73.03	-13.00	60.03	174	236	Horizontal
3	2807.36	42.88	-46.69	28.95	-70.12	-13.00	57.12	145	252	Horizontal
4	3509.2	42.10	-46.04	29.42	-69.78	-13.00	56.78	263	126	Horizontal
5	4211.04	41.96	-45.11	30.94	-67.47	-13.00	54.47	265	64	Horizontal
6	4912.88	40.97	-45.13	32.39	-67.03	-13.00	54.03	289	298	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.68	45.60	-48.72	25.40	-72.98	-13.00	59.98	201	202	Vertical
2	2105.52	43.92	-47.87	27.11	-72.10	-13.00	59.10	146	298	Vertical
3	2807.36	41.75	-46.69	28.95	-71.25	-13.00	58.25	265	235	Vertical
4	3509.2	42.73	-46.04	29.42	-69.15	-13.00	56.15	295	15	Vertical
5	4211.04	41.27	-45.11	30.94	-68.16	-13.00	55.16	284	125	Vertical
6	4912.88	40.72	-45.13	32.39	-67.28	-13.00	54.28	142	298	Vertical



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Test Band = DC_5A_n12A_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1111	54.68	-48.73	25.40	-63.91	-13.00	50.91	296	31	Horizontal
2	2099.52	42.80	-47.88	27.10	-73.24	-13.00	60.24	265	343	Horizontal
3	2799.36	41.75	-46.68	28.92	-71.27	-13.00	58.27	241	360	Horizontal
4	3499.2	42.43	-46.05	29.40	-69.48	-13.00	56.48	142	15	Horizontal
5	4199.04	41.34	-45.11	30.92	-68.11	-13.00	55.11	285	249	Horizontal
6	4898.88	40.64	-45.15	32.36	-67.41	-13.00	54.41	263	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1398.6667	51.54	-48.73	25.40	-67.05	-13.00	54.05	142	77	Vertical
2	2099.52	43.66	-47.88	27.10	-72.38	-13.00	59.38	265	17	Vertical
3	2799.36	42.16	-46.68	28.92	-70.86	-13.00	57.86	295	234	Vertical
4	3499.2	42.07	-46.05	29.40	-69.84	-13.00	56.84	284	1	Vertical
5	4199.04	41.17	-45.11	30.92	-68.28	-13.00	55.28	142	155	Vertical
6	4898.88	41.15	-45.15	32.36	-66.90	-13.00	53.90	263	0	Vertical



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Test Band = DC_5A_n12A_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1400.8889	53.27	-48.73	25.40	-65.32	-13.00	52.32	296	32	Horizontal
2	2102.52	42.66	-47.88	27.11	-73.37	-13.00	60.37	265	47	Horizontal
3	2803.36	41.49	-46.68	28.93	-71.52	-13.00	58.52	241	360	Horizontal
4	3504.2	41.29	-46.05	29.41	-70.60	-13.00	57.60	254	331	Horizontal
5	4205.04	41.34	-45.11	30.93	-68.10	-13.00	55.10	226	359	Horizontal
6	4905.88	40.30	-45.14	32.37	-67.73	-13.00	54.73	102	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1400.8889	52.68	-48.73	25.40	-65.91	-13.00	52.91	196	106	Vertical
2	2102.52	42.86	-47.88	27.11	-73.17	-13.00	60.17	235	58	Vertical
3	2803.36	42.09	-46.68	28.93	-70.92	-13.00	57.92	241	154	Vertical
4	3504.2	41.65	-46.05	29.41	-70.24	-13.00	57.24	142	154	Vertical
5	4205.04	41.02	-45.11	30.93	-68.42	-13.00	55.42	255	89	Vertical
6	4905.88	40.27	-45.14	32.37	-67.76	-13.00	54.76	263	0	Vertical



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Test Band = DC_5A_n12A_TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.1111	52.88	-48.72	25.40	-65.70	-13.00	52.70	196	46	Horizontal
2	2105.52	42.64	-47.87	27.11	-73.38	-13.00	60.38	265	360	Horizontal
3	2807.36	41.84	-46.69	28.95	-71.16	-13.00	58.16	284	357	Horizontal
4	3509.2	41.73	-46.04	29.42	-70.15	-13.00	57.15	142	3	Horizontal
5	4211.04	41.66	-45.11	30.94	-67.77	-13.00	54.77	263	171	Horizontal
6	4912.88	40.61	-45.13	32.39	-67.39	-13.00	54.39	221	266	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.68	44.43	-48.72	25.40	-74.15	-13.00	61.15	196	0	Vertical
2	2105.52	43.24	-47.87	27.11	-72.78	-13.00	59.78	254	139	Vertical
3	2807.36	41.94	-46.69	28.95	-71.06	-13.00	58.06	142	313	Vertical
4	3509.2	41.32	-46.04	29.42	-70.56	-13.00	57.56	296	202	Vertical
5	4211.04	41.19	-45.11	30.94	-68.24	-13.00	55.24	263	1	Vertical
6	4912.88	40.73	-45.13	32.39	-67.27	-13.00	54.27	254	76	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VH	NT	4.900000	0.006926	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	5.300000	0.007491	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	3.100000	0.004382	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VH	NT	-0.100000	-0.000141	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VN	NT	1.400000	0.001979	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VL	NT	4.200000	0.005936	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	5.100000	0.007208	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	2.500000	0.003534	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.100000	0.007208	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	4.100000	0.005795	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	6.800000	0.009611	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	5.400000	0.007633	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	3.400000	0.004806	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	2.900000	0.004099	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	50	2.300000	0.003251	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-30	-1.900000	-0.002686	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	-10	-2.200000	-0.003110	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	0	0.700000	0.000989	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	10	7.400000	0.010459	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	20	3.200000	0.004523	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	30	8.600000	0.012155	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	40	7.300000	0.010318	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	50	1.800000	0.002544	PASS

---End of Attachment---



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