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# Appendix B.37

## NR Band n30



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**Effective (Isotropic) Radiated Power Output Data for SA**

**Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.56	17.86	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.54	17.84	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	23.62	17.92	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	23.61	17.91	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	23.53	17.83	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	23.32	17.62	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	23.56	17.86	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	23.2	17.5	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	22.13	16.43	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	21.77	16.07	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	21.4	15.7	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	21.63	15.93	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	19.9	14.2	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	19.78	14.08	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	20.04	14.34	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.63	17.93	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.57	17.87	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	23.16	17.46	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	23.54	17.84	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	23.52	17.82	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	22.57	16.87	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	22.69	16.99	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	22.75	17.05	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	21.46	15.76	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	20.94	15.24	23.98	PASS



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N30	15	5	DFT-64QAM	M	Inner_1RB_Right	21.04	15.34	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	21.01	15.31	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	19.39	13.69	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	19.5	13.8	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	19.52	13.82	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.54	17.84	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.59	17.89	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	23.01	17.31	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	23.34	17.64	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	23.56	17.86	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	22.47	16.77	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	22.52	16.82	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Right	22.85	17.15	23.98	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	21.41	15.71	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	20.82	15.12	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	21.17	15.47	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	21.01	15.31	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	19.33	13.63	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	19.7	14	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	19.56	13.86	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	21.34	15.64	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.56	16.86	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	22.63	16.93	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Left	22.84	17.14	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Right	22.49	16.79	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	22.61	16.91	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Left	22.35	16.65	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Right	21.98	16.28	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	21.81	16.11	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Left	21.36	15.66	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Right	20.92	15.22	23.98	PASS
N30	15	10	DFT-64QAM	L	Outer_Full	21.61	15.91	23.98	PASS



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N30	15	10	DFT-256QAM	L	Inner_1RB_Left	19.82	14.12	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Right	19.56	13.86	23.98	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	19.8	14.1	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.27	17.57	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.85	17.15	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	22.91	17.21	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	23.11	17.41	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	22.72	17.02	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	22.86	17.16	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	22.57	16.87	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Right	22.19	16.49	23.98	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	21.99	16.29	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	21.43	15.73	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	21.04	15.34	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	21.72	16.02	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	19.81	14.11	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	19.67	13.97	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	19.98	14.28	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.38	17.68	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	22.94	17.24	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	23.01	17.31	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Left	23.18	17.48	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Right	22.79	17.09	23.98	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	22.92	17.22	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Left	22.64	16.94	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Right	22.25	16.55	23.98	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	22.07	16.37	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Left	21.48	15.78	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Right	21.1	15.4	23.98	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	21.77	16.07	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Left	19.91	14.21	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Right	19.8	14.1	23.98	PASS



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N30	15	10	DFT-256QAM	H	Outer_Full	19.98	14.28	23.98	PASS
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### Power Spectral Density Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	EIRP	Limit	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	22.03	16.33	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	21.45	15.75	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	20.2	14.5	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	21.56	15.86	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	21.67	15.97	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	20.11	14.41	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	21.5	15.8	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	22.13	16.43	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	20.39	14.69	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	21.78	16.08	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.27	16.57	23.98	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	18.82	13.12	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	21.32	15.62	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	21.95	16.25	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	18.53	12.83	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	21.02	15.32	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	21.79	16.09	23.98	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	18.45	12.75	23.98	PASS



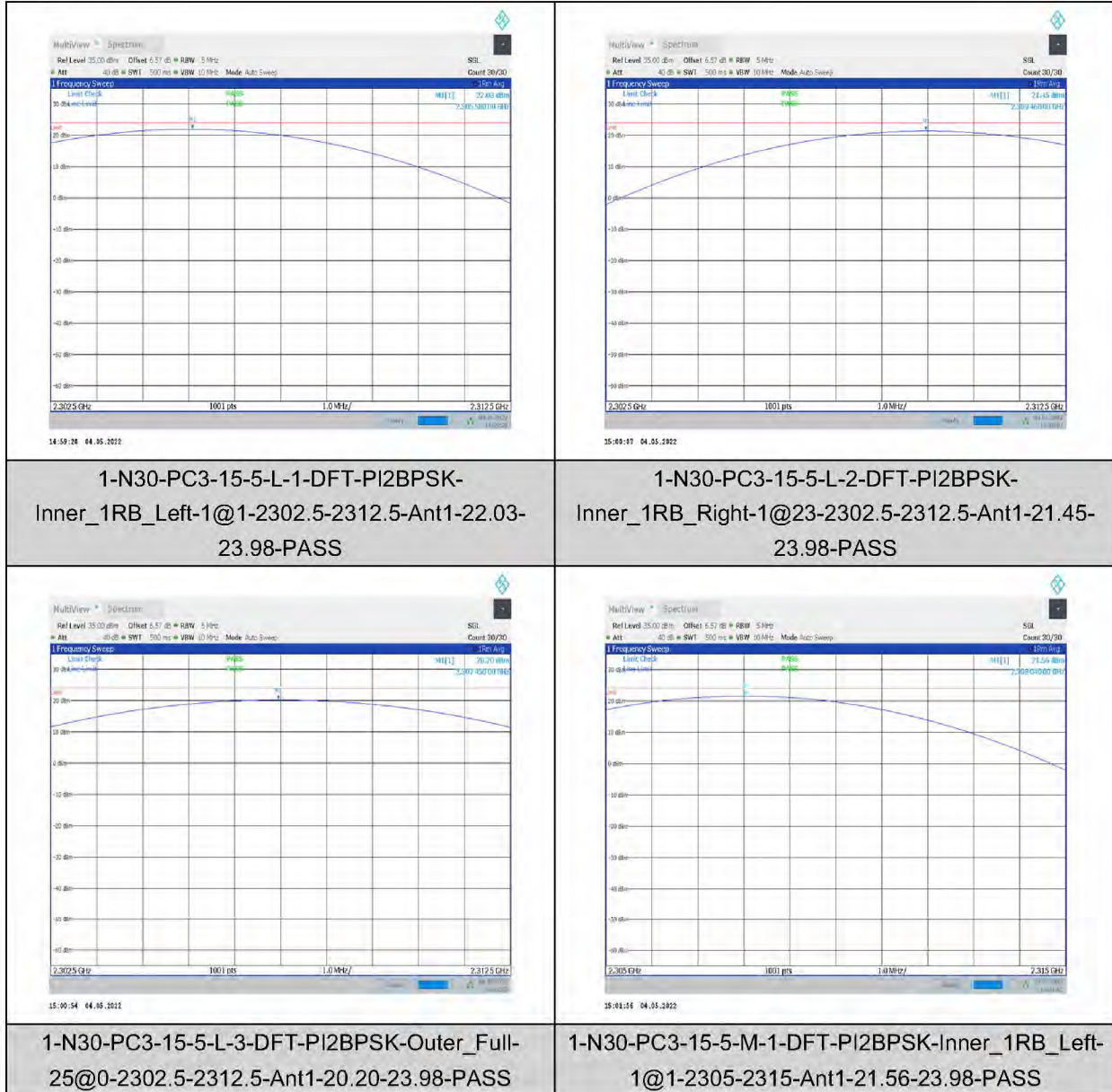
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Test Graphs



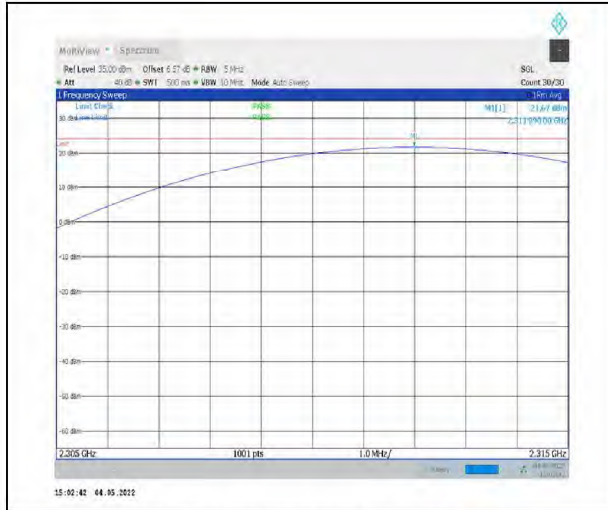
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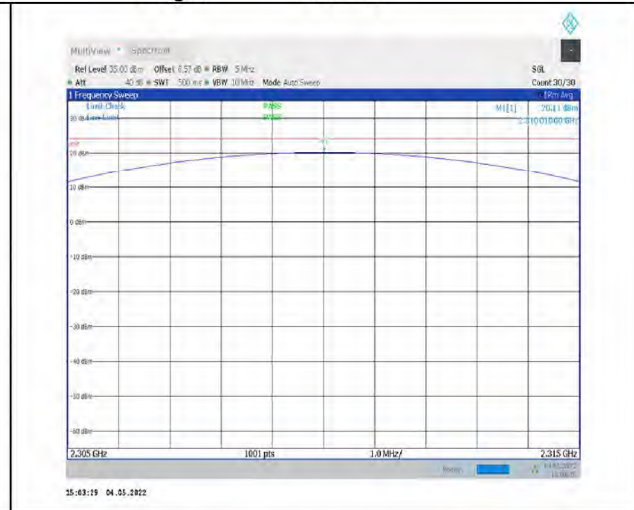
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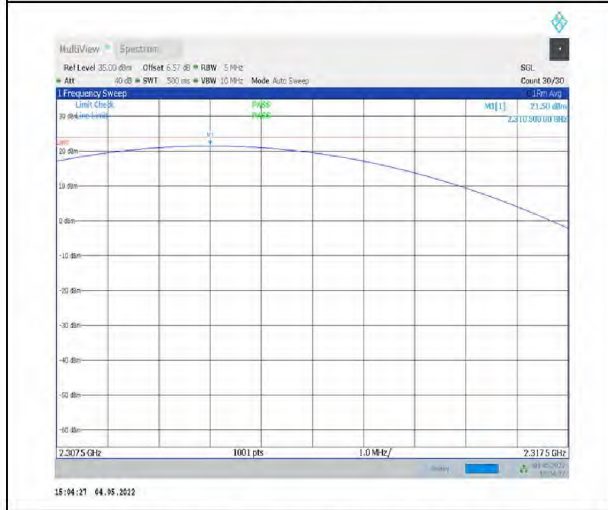




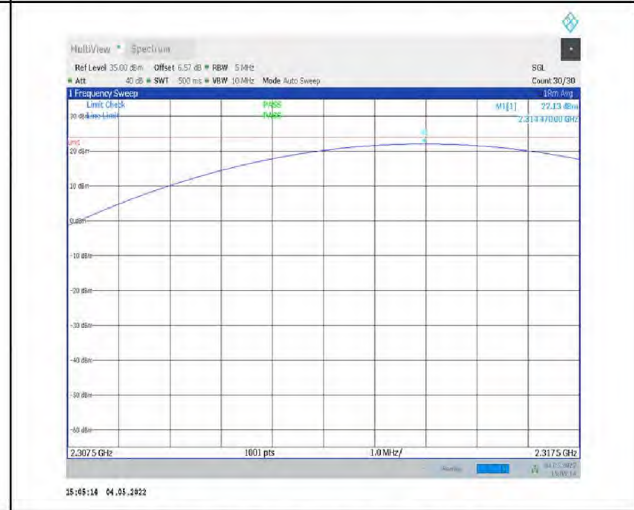
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23.98-PASS



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25@0-2305-2315-Ant1-20.11-23.98-PASS



1-N30-PC3-15-5-H-1-DFT-PI2BPSK-  
Inner\_1RB\_Left-1@1-2307.5-2317.5-Ant1-21.50-  
23.98-PASS



1-N30-PC3-15-5-H-2-DFT-PI2BPSK-  
Inner\_1RB\_Right-1@23-2307.5-2317.5-Ant1-22.13-  
23.98-PASS



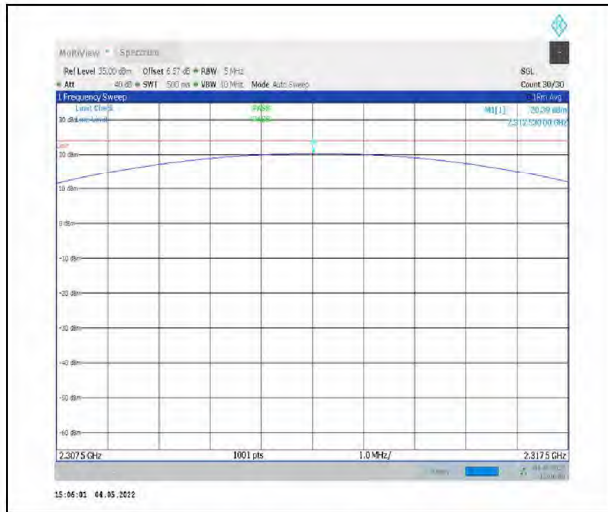
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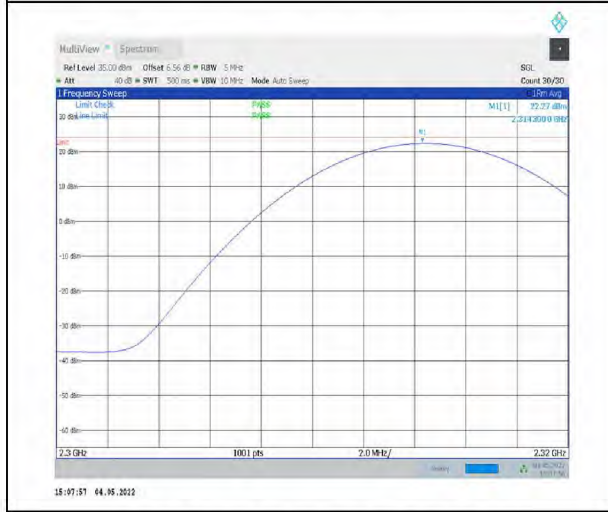




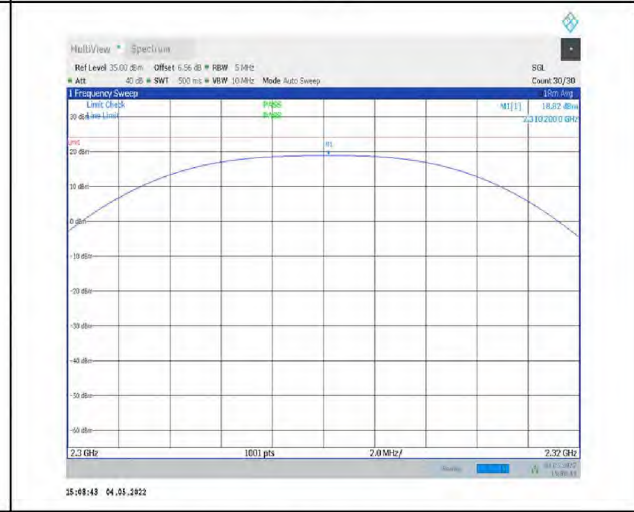
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1-N30-PC3-15-10-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-2300-2320-Ant1-21.78-23.98-PASS



1-N30-PC3-15-10-L-2-DFT-PI2BPSK-Inner\_1RB\_Right-1@50-2300-2320-Ant1-22.27-23.98-PASS



1-N30-PC3-15-10-L-3-DFT-PI2BPSK-Outer\_Full-50@0-2300-2320-Ant1-18.82-23.98-PASS

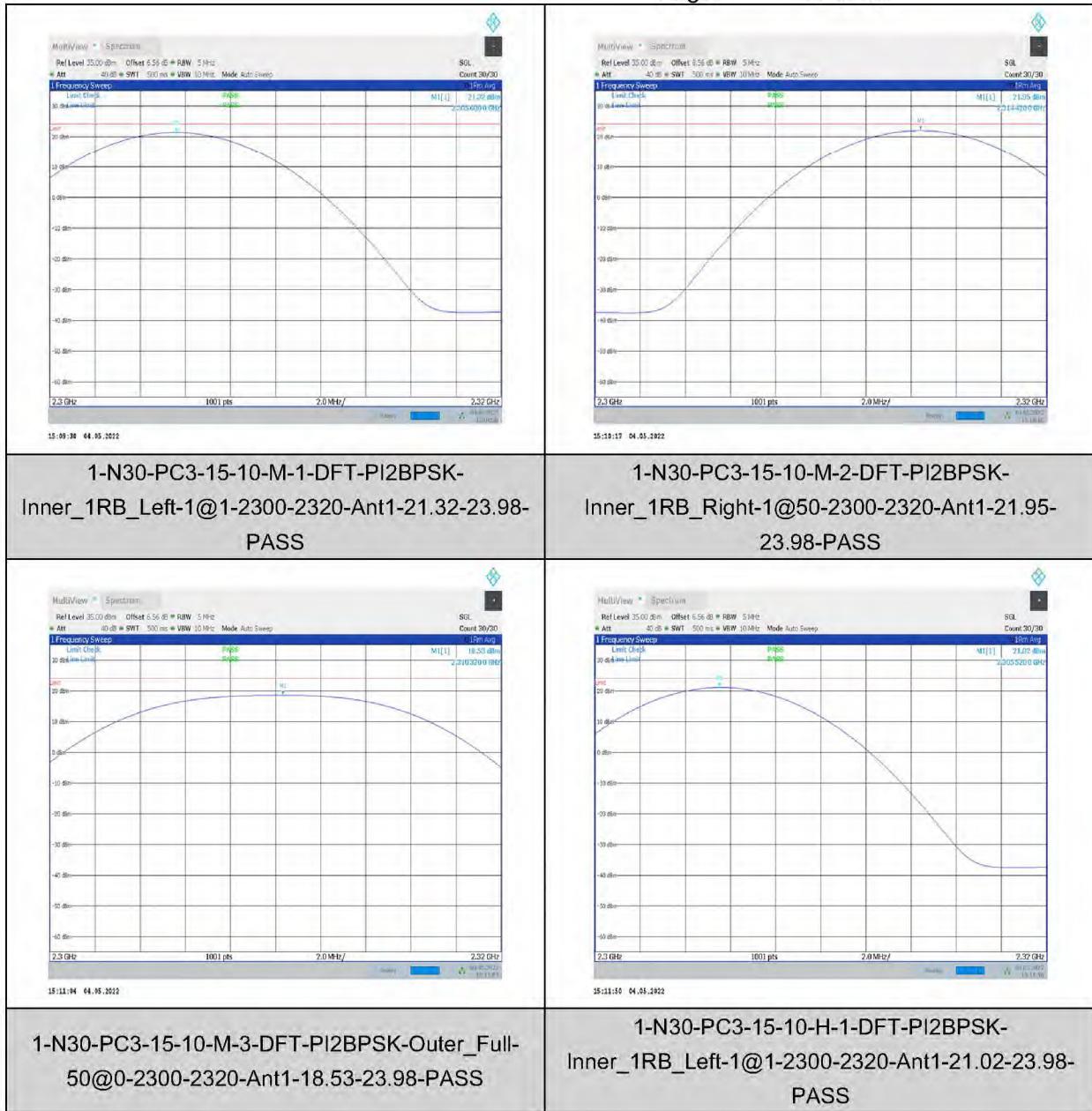


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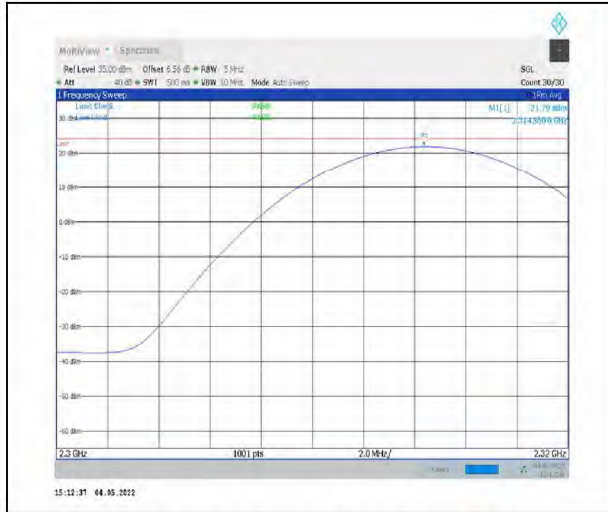




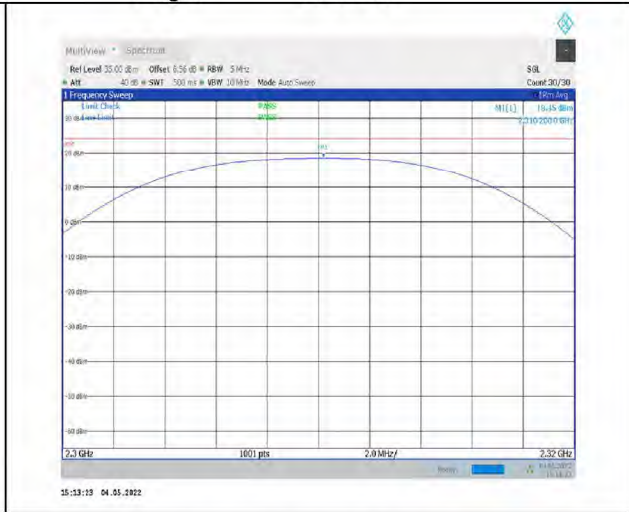
Report No.: SEWA220400008RG02

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1-N30-PC3-15-10-H-2-DFT-PI2BPSK-  
Inner\_1RB\_Right-1@50-2300-2320-Ant1-21.79-  
23.98-PASS



1-N30-PC3-15-10-H-3-DFT-PI2BPSK-Outer\_Full-  
50@0-2300-2320-Ant1-18.45-23.98-PASS



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### Peak-to-Average Ratio for SA

#### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N30	15	10	DFT-256QAM	L	Outer_Full	100%	0.00	8.12	≤13	PASS
N30	15	10	CP-256QAM	L	Outer_Full	100%	0.00	9.30	≤13	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.10	≤13	PASS
N30	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.36	≤13	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	100%	0.00	8.11	≤13	PASS
N30	15	10	CP-256QAM	H	Outer_Full	100%	0.00	9.36	≤13	PASS

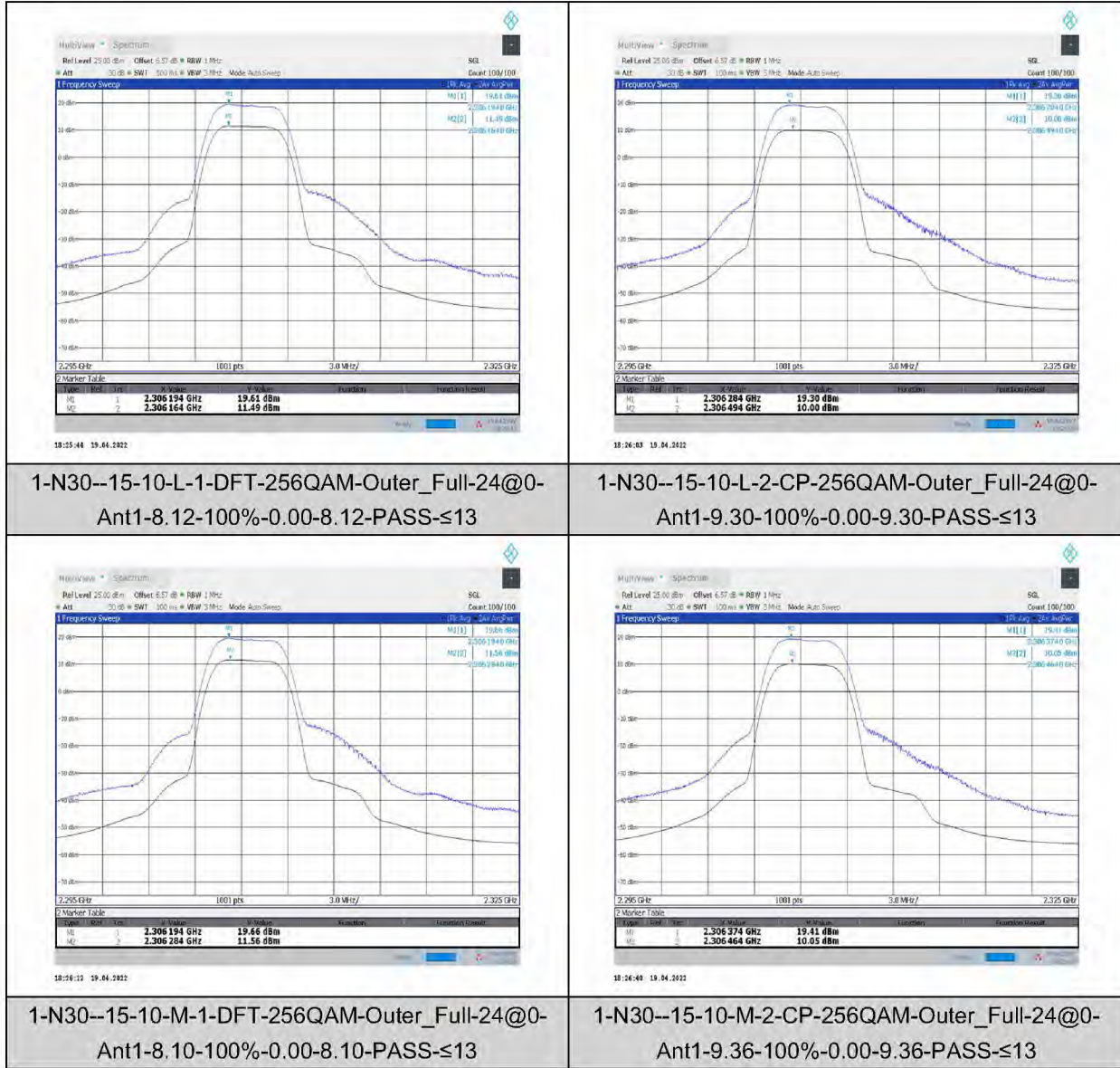


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Test Graphs



1-N30--15-10-L-1-DFT-256QAM-Outer\_Full-24@0-Ant1-8.12-100%-0.00-8.12-PASS-≤13

1-N30--15-10-L-2-CP-256QAM-Outer\_Full-24@0-Ant1-9.30-100%-0.00-9.30-PASS-≤13

1-N30--15-10-M-1-DFT-256QAM-Outer\_Full-24@0-Ant1-8.10-100%-0.00-8.10-PASS-≤13

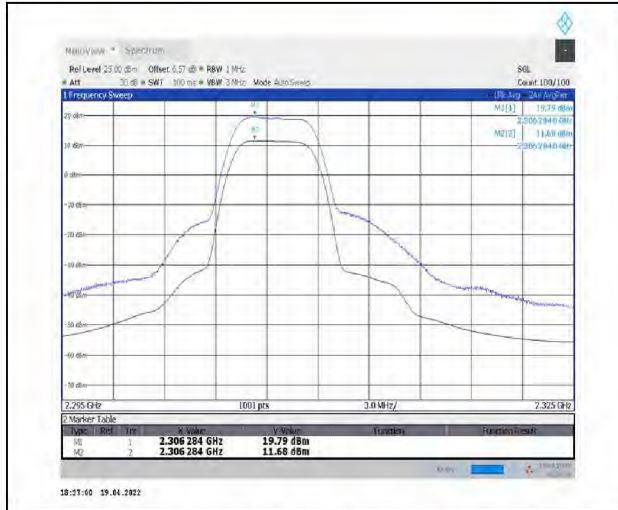
1-N30--15-10-M-2-CP-256QAM-Outer\_Full-24@0-Ant1-9.36-100%-0.00-9.36-PASS-≤13



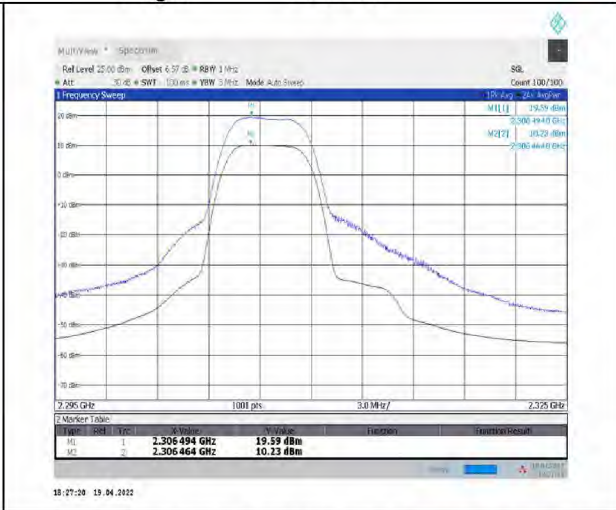
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1-N30--15-10-H-1-DFT-256QAM-Outer\_Full-24@0-Ant1-8.11-100%-0.00-8.11-PASS- $\leq 13$



1-N30--15-10-H-2-CP-256QAM-Outer\_Full-24@0-Ant1-9.36-100%-0.00-9.36-PASS- $\leq 13$





## 26dB Bandwidth and Occupied Bandwidth for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N30	15	5	DFT-QPSK	L	Outer_Full	4.495	5.170	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	4.475	5.030	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	4.475	5.020	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	4.503	5.070	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	4.473	5.050	PASS
N30	15	5	CP-QPSK	L	Outer_Full	4.472	5.100	PASS
N30	15	5	CP-16QAM	L	Outer_Full	4.463	5.050	PASS
N30	15	5	CP-64QAM	L	Outer_Full	4.476	5.120	PASS
N30	15	5	CP-256QAM	L	Outer_Full	4.483	5.110	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	4.491	5.160	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	4.463	5.060	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	4.461	4.880	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	4.473	4.990	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	4.473	5.020	PASS
N30	15	5	CP-QPSK	M	Outer_Full	4.464	4.930	PASS
N30	15	5	CP-16QAM	M	Outer_Full	4.485	5.150	PASS
N30	15	5	CP-64QAM	M	Outer_Full	4.474	4.990	PASS
N30	15	5	CP-256QAM	M	Outer_Full	4.471	4.880	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	4.488	5.130	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	4.457	4.950	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	4.484	5.090	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	4.481	5.080	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	4.477	5.160	PASS
N30	15	5	CP-QPSK	H	Outer_Full	4.470	5.050	PASS
N30	15	5	CP-16QAM	H	Outer_Full	4.482	5.100	PASS
N30	15	5	CP-64QAM	H	Outer_Full	4.485	5.060	PASS
N30	15	5	CP-256QAM	H	Outer_Full	4.469	5.070	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	8.922	9.680	PASS
N30	15	10	DFT-PI2BPSK	L	Outer_Full	8.937	9.860	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	8.958	9.700	PASS



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N30	15	10	DFT-64QAM	L	Outer_Full	8.951	9.640	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	8.954	9.620	PASS
N30	15	10	CP-QPSK	L	Outer_Full	9.321	10.220	PASS
N30	15	10	CP-16QAM	L	Outer_Full	9.308	10.120	PASS
N30	15	10	CP-64QAM	L	Outer_Full	9.319	10.080	PASS
N30	15	10	CP-256QAM	L	Outer_Full	9.313	10.100	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	8.933	9.620	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	8.919	9.360	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	8.962	9.540	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	8.947	9.660	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	8.946	9.580	PASS
N30	15	10	CP-QPSK	M	Outer_Full	9.311	10.040	PASS
N30	15	10	CP-16QAM	M	Outer_Full	9.312	10.020	PASS
N30	15	10	CP-64QAM	M	Outer_Full	9.306	10.180	PASS
N30	15	10	CP-256QAM	M	Outer_Full	9.306	10.100	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	8.965	9.580	PASS
N30	15	10	DFT-PI2BPSK	H	Outer_Full	8.945	9.780	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	8.962	9.680	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	8.957	9.680	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	8.955	9.580	PASS
N30	15	10	CP-QPSK	H	Outer_Full	9.326	10.180	PASS
N30	15	10	CP-16QAM	H	Outer_Full	9.328	10.040	PASS
N30	15	10	CP-64QAM	H	Outer_Full	9.317	10.180	PASS
N30	15	10	CP-256QAM	H	Outer_Full	9.303	10.100	PASS



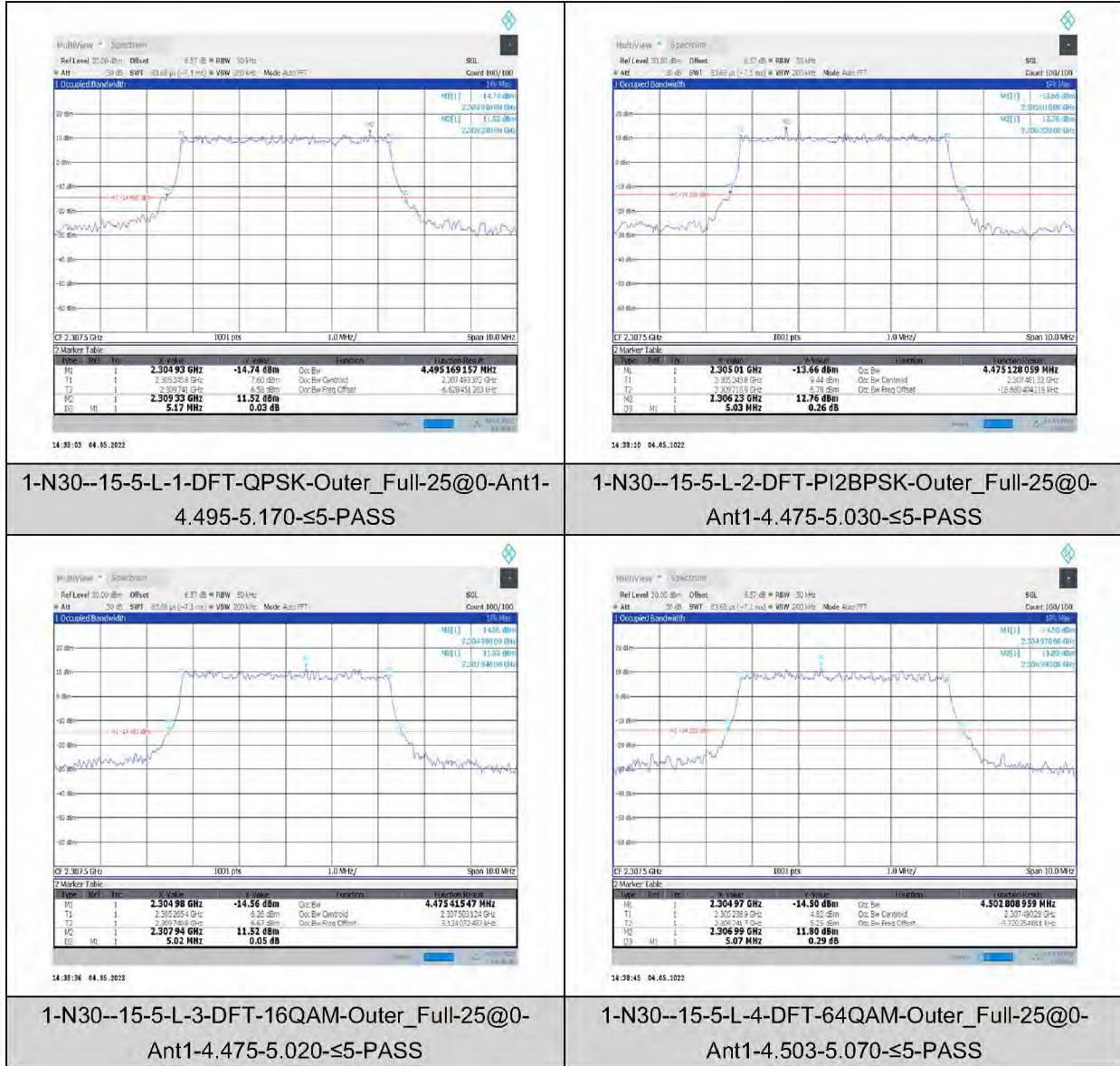
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Test Graphs



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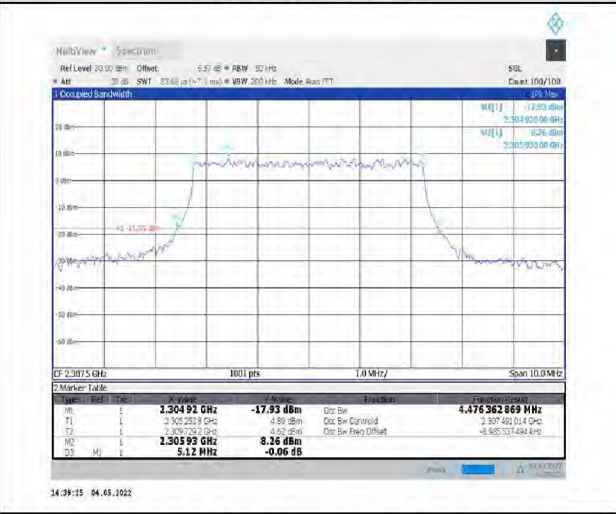
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1-N30--15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.472-5.100-<math>\leq 5</math>-PASS



1-N30--15-5-L-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.463-5.050-<math>\leq 5</math>-PASS



1-N30--15-5-L-8-CP-64QAM-Outer\_Full-25@0-Ant1-4.476-5.120-<math>\leq 5</math>-PASS



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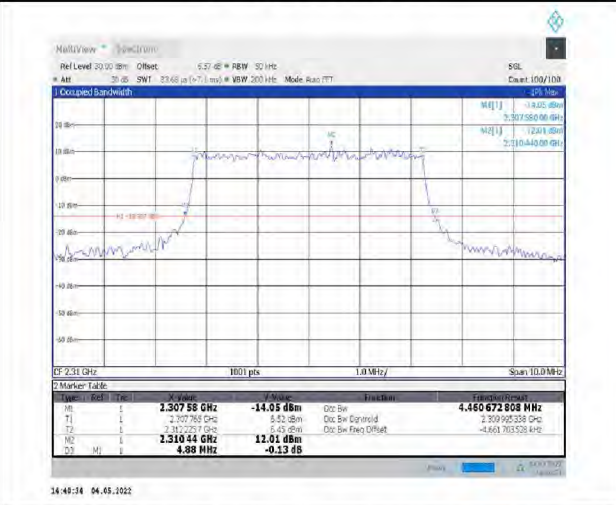
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1-N30--15-5-M-2-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-4.463-5.060-<math>\leq 5</math>-PASS



1-N30--15-5-M-3-DFT-16QAM-Outer\_Full-25@0-Ant1-4.461-4.880-<math>\leq 5</math>-PASS



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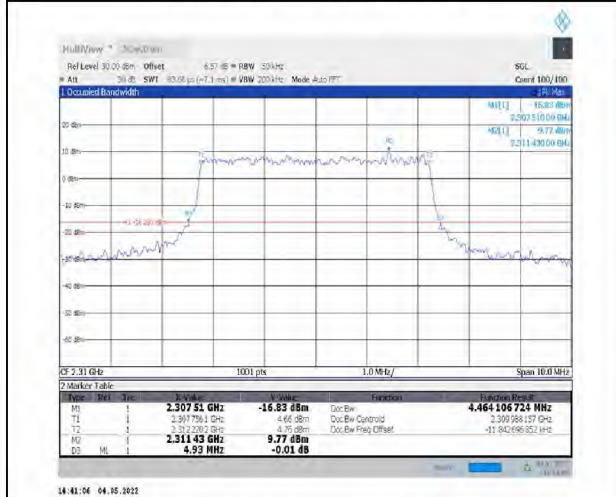
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1-N30--15-5-M-4-DFT-64QAM-Outer\_Full-25@0-Ant1-4.473-4.990-<math>\leq 5</math>-PASS



1-N30--15-5-M-5-DFT-256QAM-Outer\_Full-25@0-Ant1-4.473-5.020-<math>\leq 5</math>-PASS



1-N30--15-5-M-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.464-4.930-<math>\leq 5</math>-PASS



1-N30--15-5-M-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.485-5.150-<math>\leq 5</math>-PASS



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1-N30--15-5-M-8-CP-64QAM-Outer\_Full-25@0-Ant1-4.474-4.990-<math>\leq 5</math>-PASS



1-N30--15-5-M-9-CP-256QAM-Outer\_Full-25@0-Ant1-4.471-4.880-<math>\leq 5</math>-PASS



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1-N30--15-5-H-2-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-4.457-4.950-<math>\leq 5</math>-PASS



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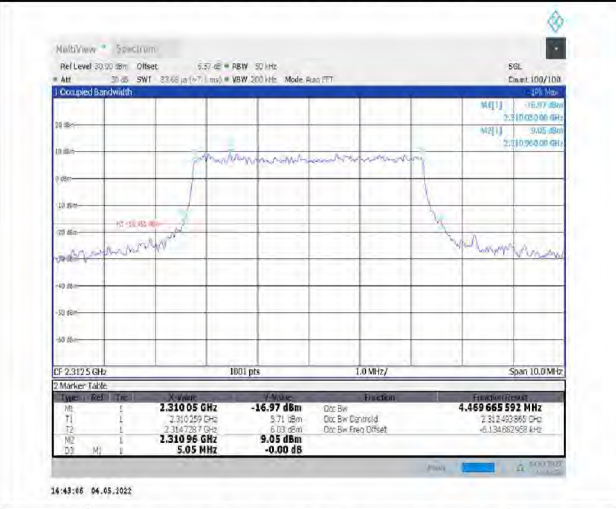
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1-N30--15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.47-5.050-<math>\leq 5</math>-PASS



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1-N30--15-5-H-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.482-5.100-<math>\leq 5</math>-PASS



1-N30--15-5-H-8-CP-64QAM-Outer\_Full-25@0-Ant1-4.485-5.060-<math>\leq 5</math>-PASS



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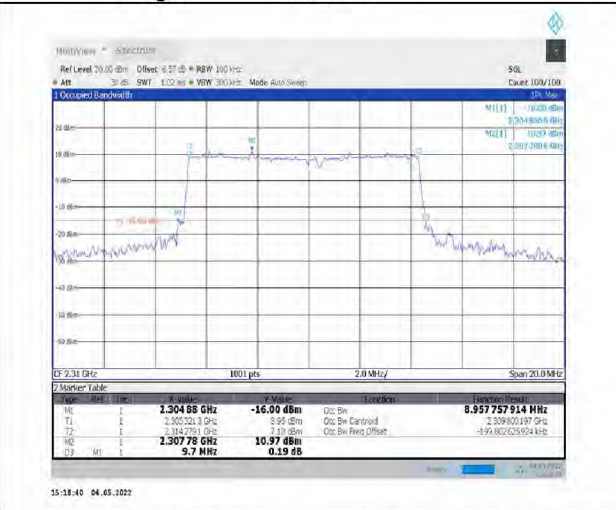
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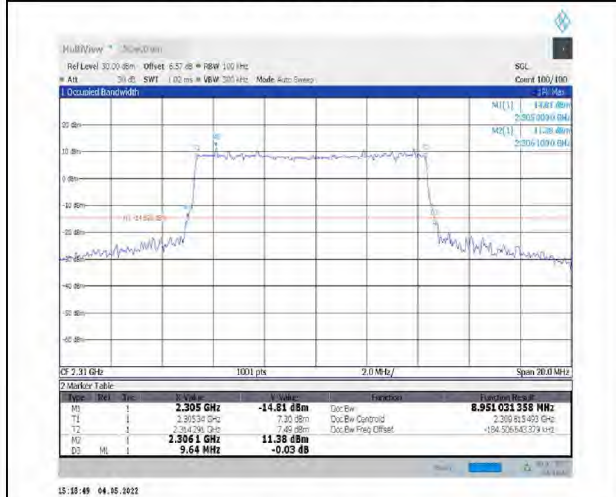
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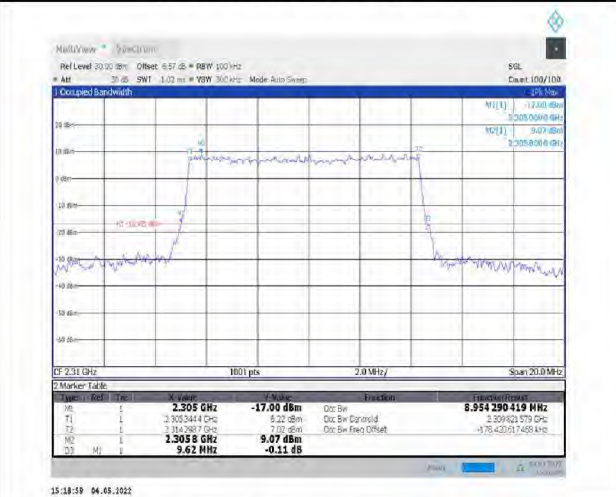
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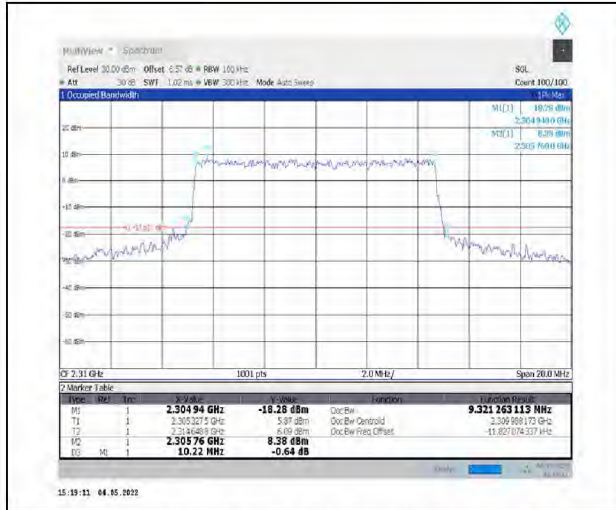


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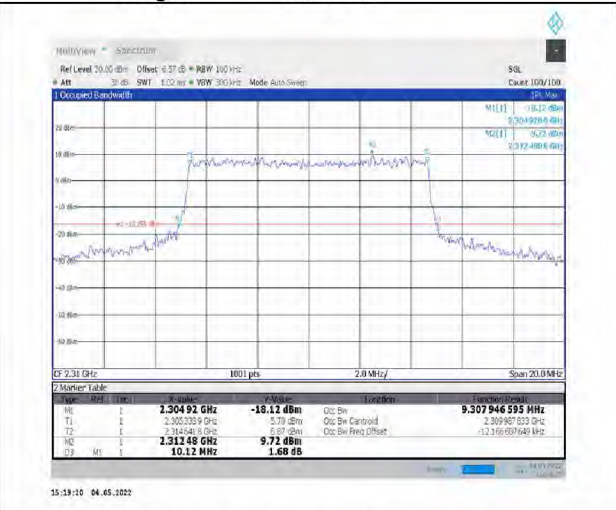
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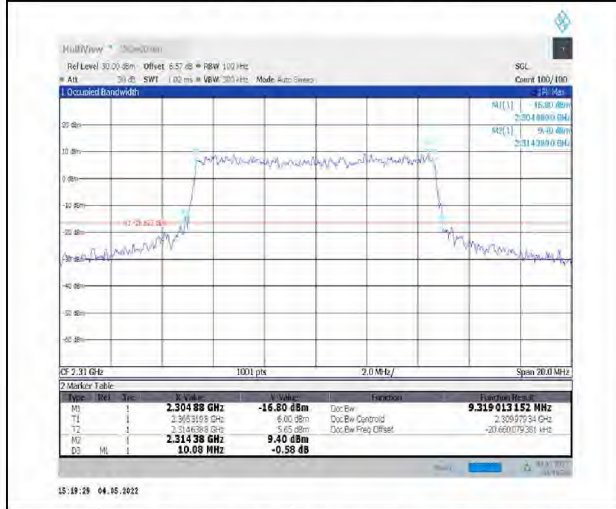




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1-N30--15-10-L-9-CP-256QAM-Outer\_Full-52@0-Ant1-9.313-10.100-≤10-PASS



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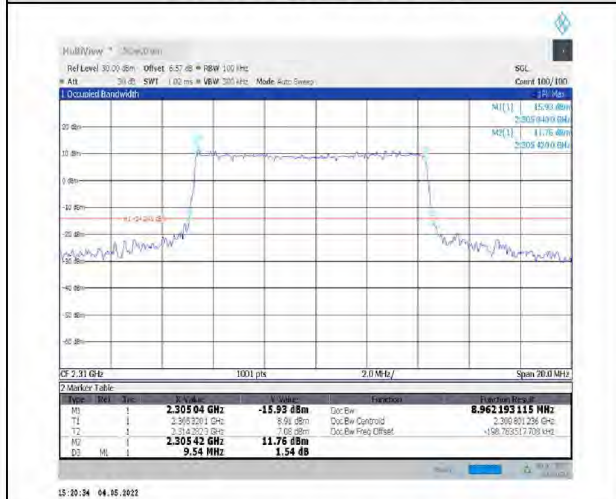
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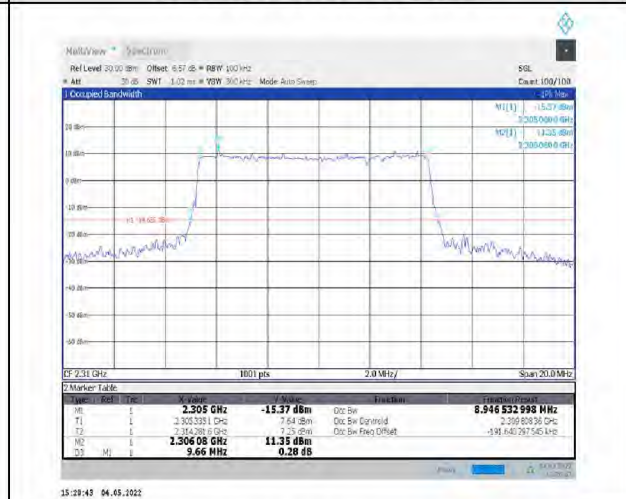
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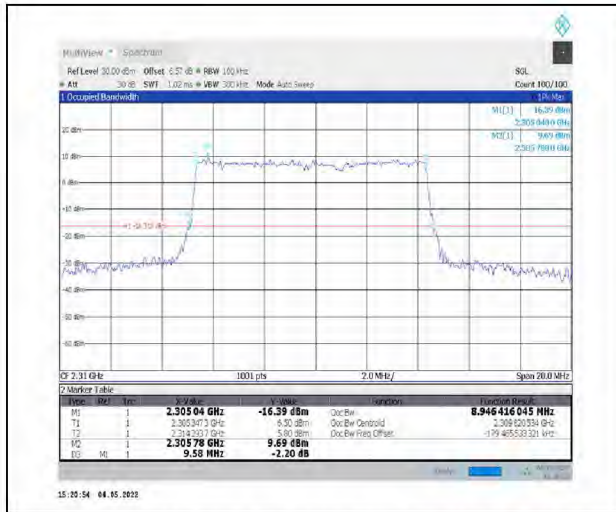


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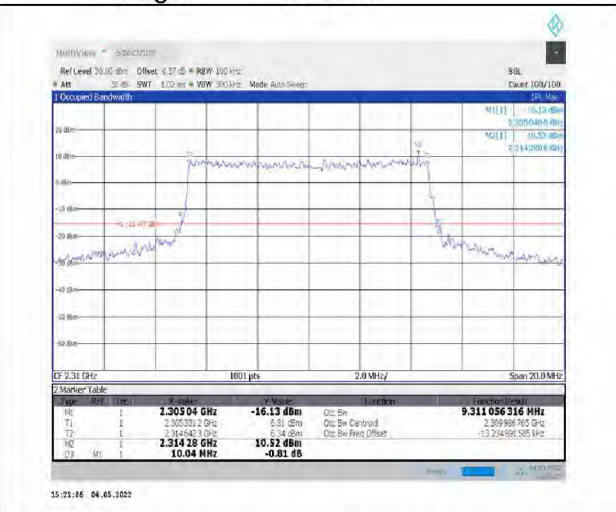
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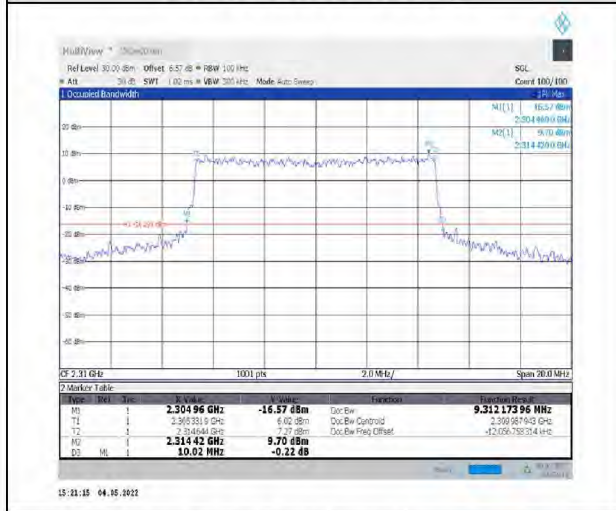




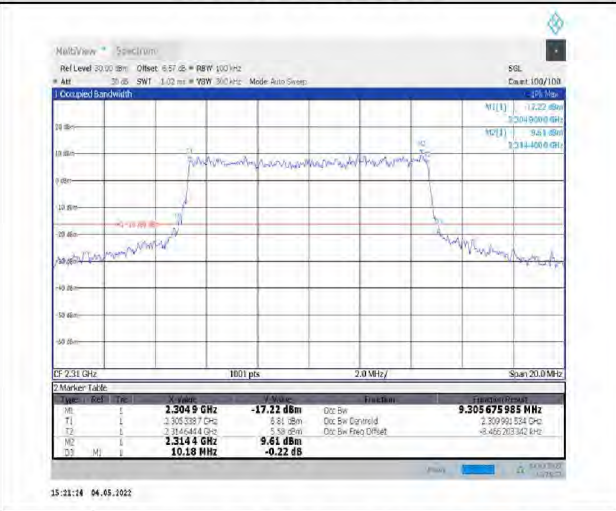
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1-N30--15-10-M-7-CP-16QAM-Outer\_Full-52@0-Ant1-9.312-10.020-<math>\leq 10</math>-PASS



1-N30--15-10-M-8-CP-64QAM-Outer\_Full-52@0-Ant1-9.306-10.180-<math>\leq 10</math>-PASS



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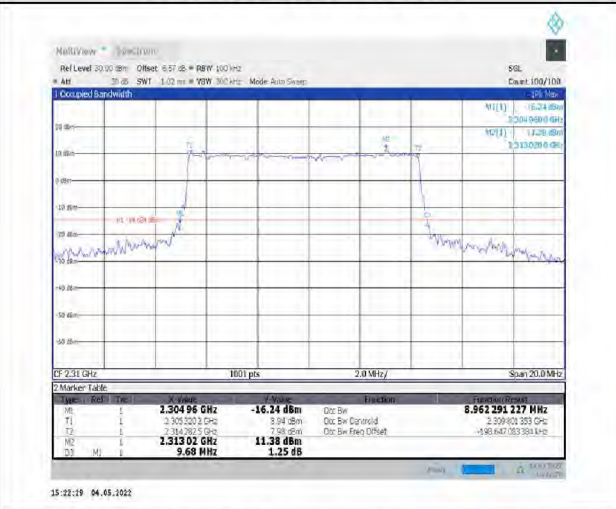
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1-N30--15-10-H-1-DFT-QPSK-Outer\_Full-50@0-Ant1-8.965-9.580-<=10-PASS



1-N30--15-10-H-2-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-8.945-9.780-<=10-PASS



1-N30--15-10-H-3-DFT-16QAM-Outer\_Full-50@0-Ant1-8.962-9.680-<=10-PASS

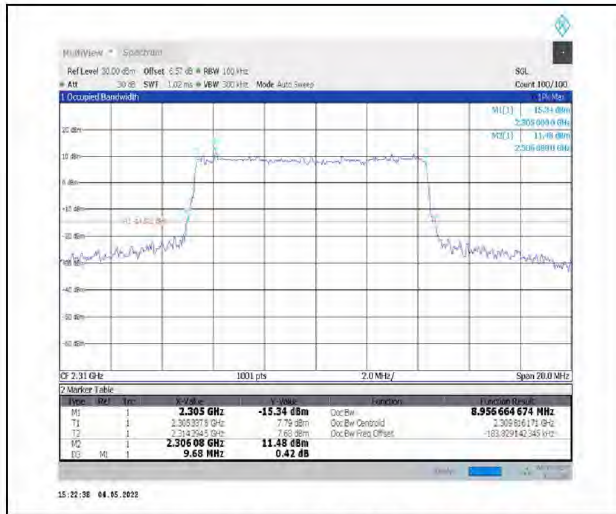


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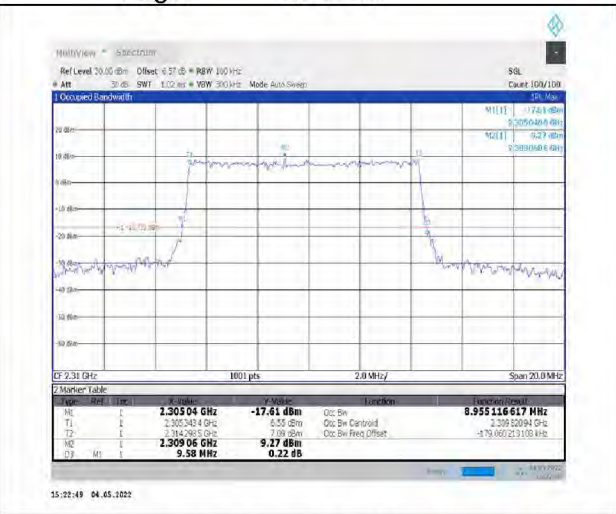
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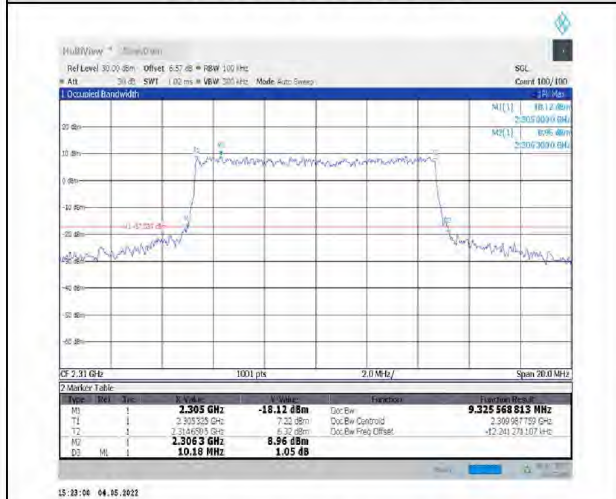




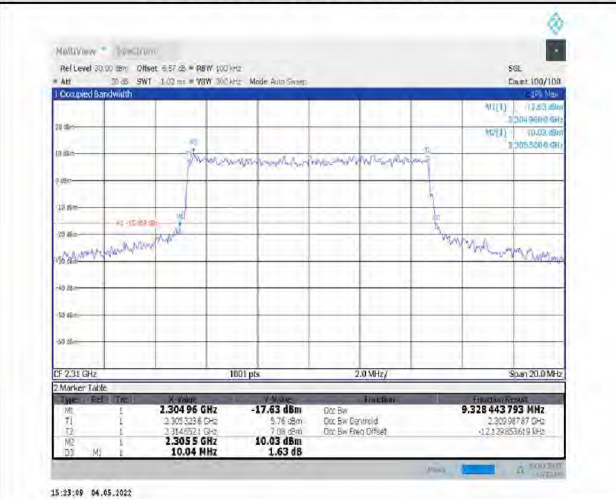
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1-N30--15-10-H-5-DFT-256QAM-Outer\_Full-50@0-Ant1-8.955-9.580-<=10-PASS



1-N30--15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1-9.326-10.180-<=10-PASS

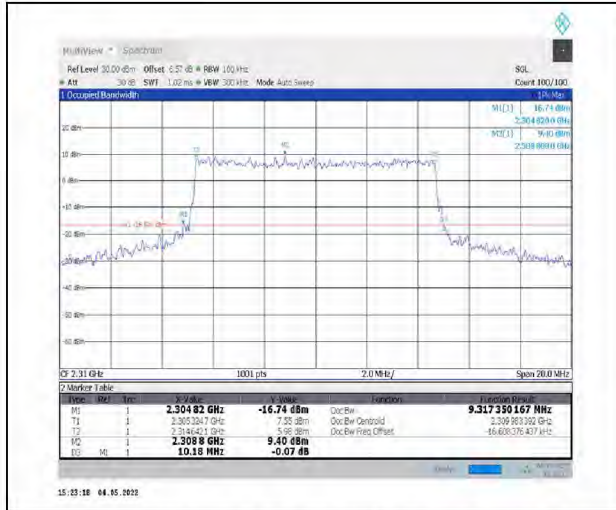


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1-N30--15-10-H-8-CP-64QAM-Outer\_Full-52@0-Ant1-9.317-10.180-≤10-PASS



1-N30--15-10-H-9-CP-256QAM-Outer\_Full-52@0-Ant1-9.303-10.100-≤10-PASS



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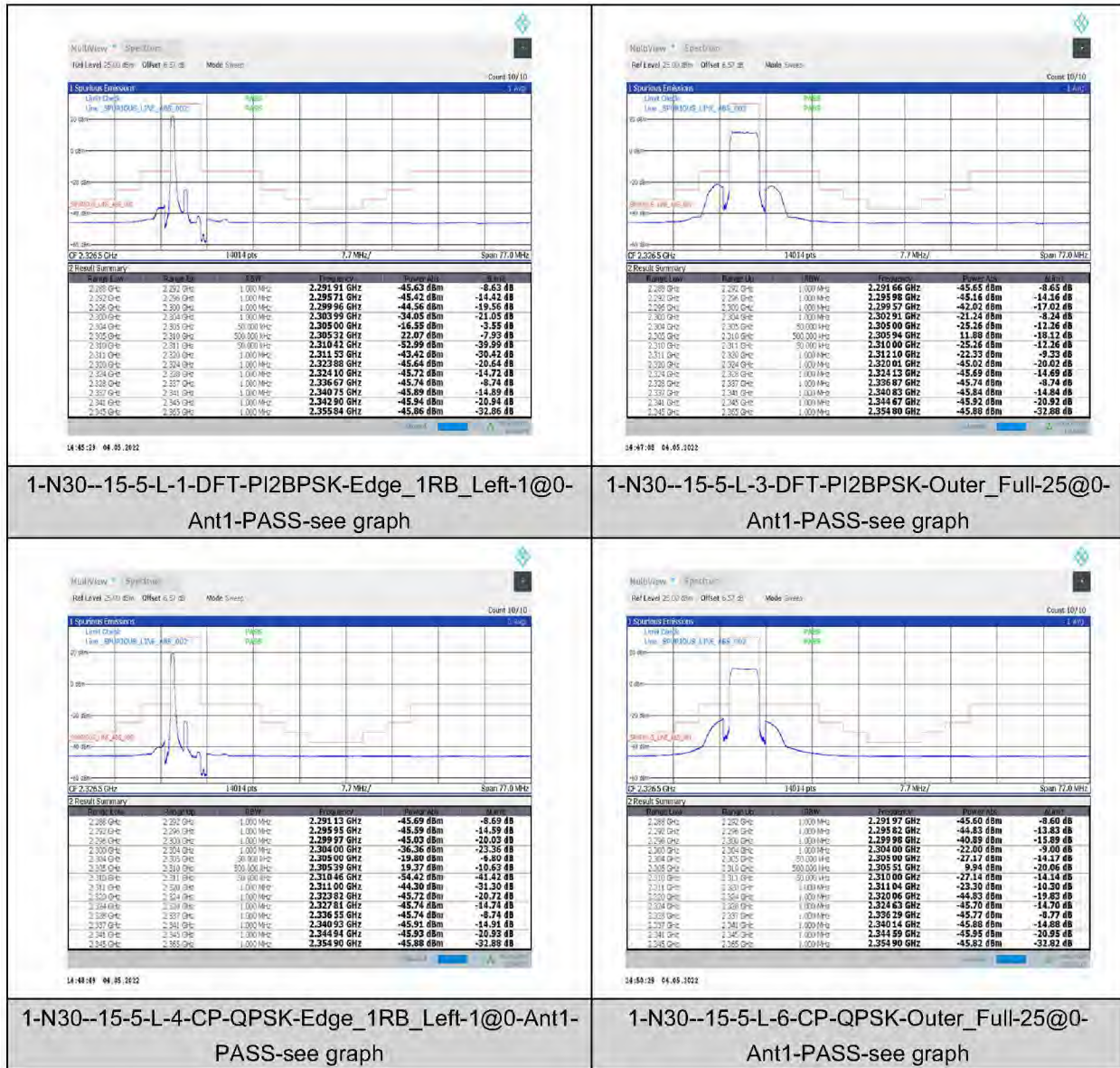
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## Band Edge for SA

### Test Graphs

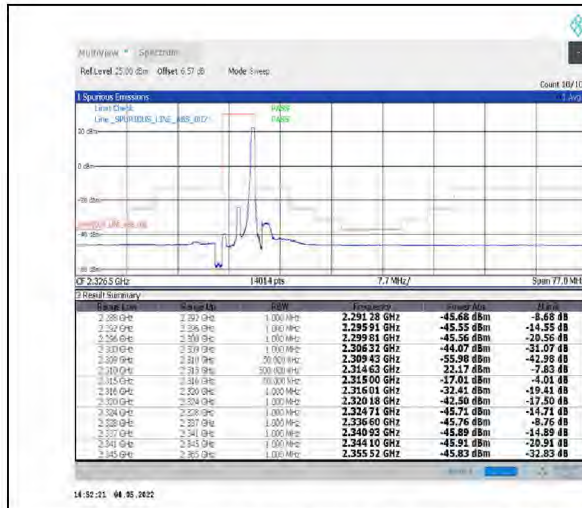


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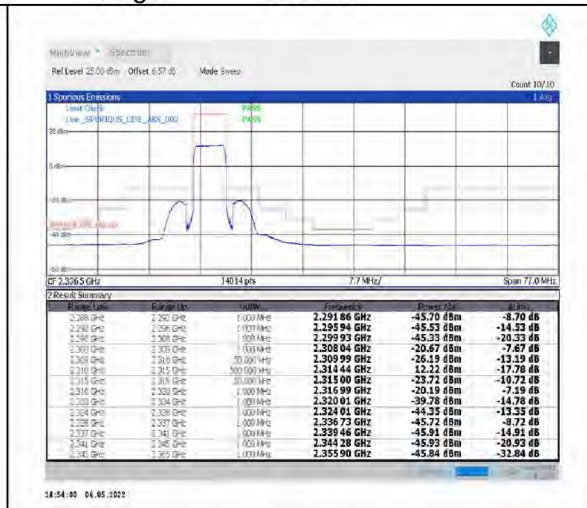
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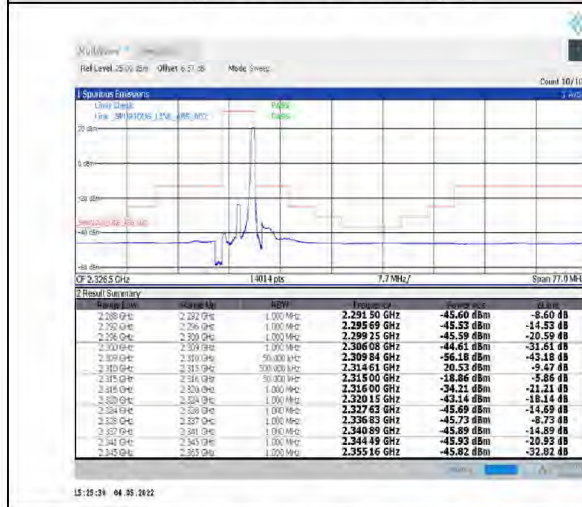




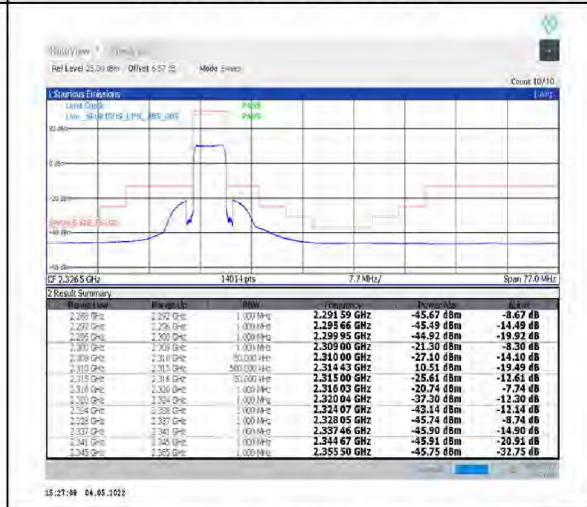
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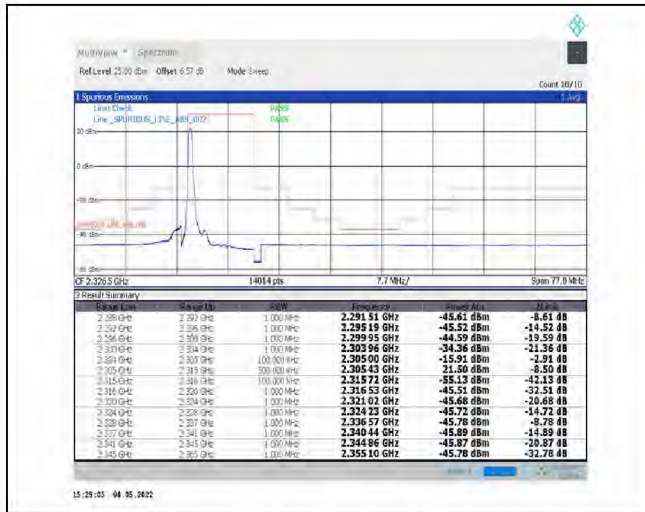
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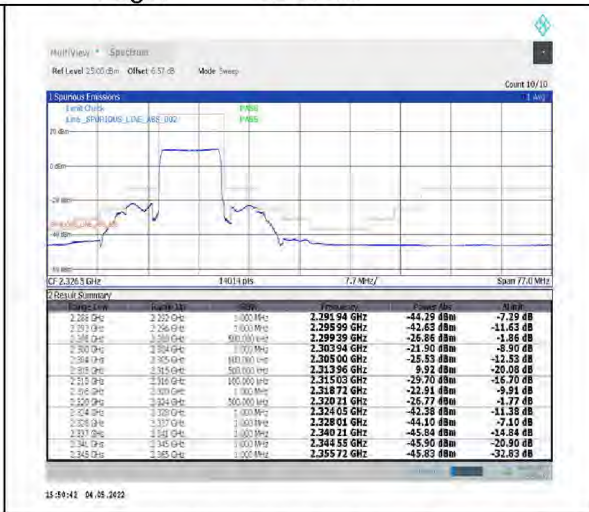
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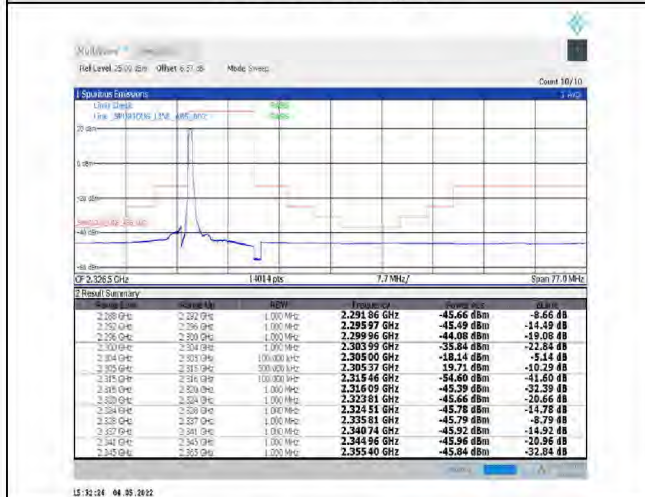




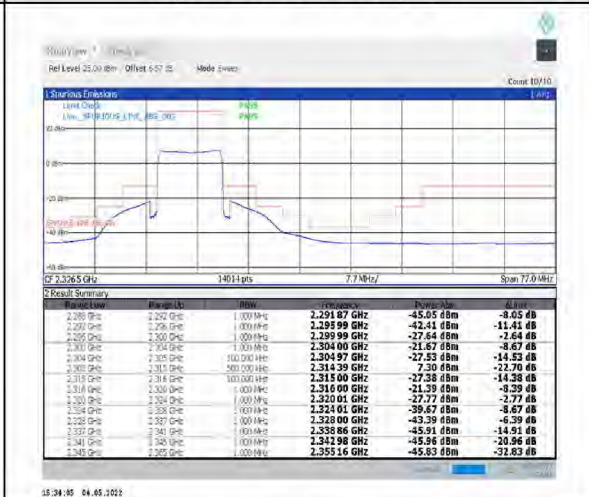
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1-N30--15-10-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-PASS-see graph



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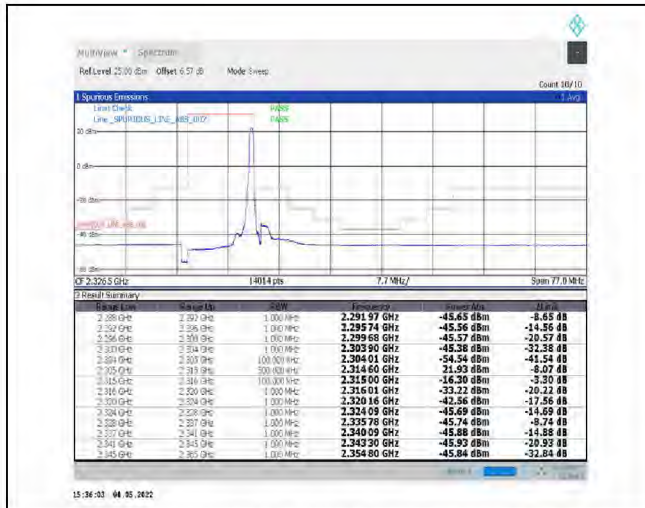
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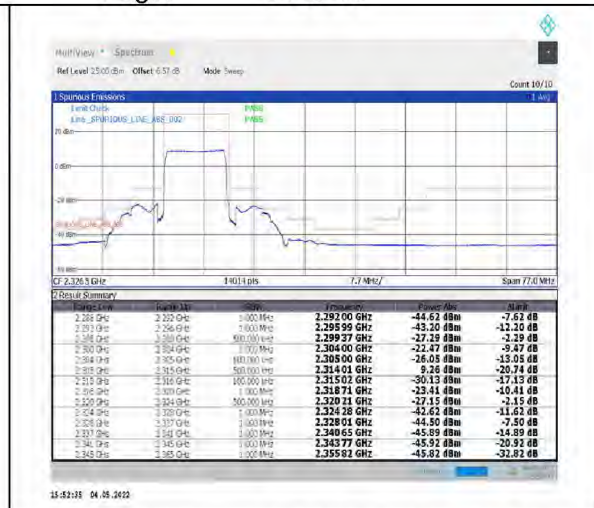
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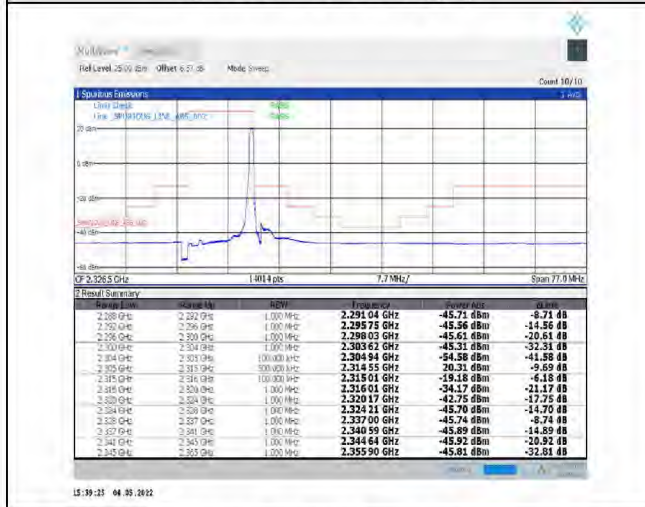




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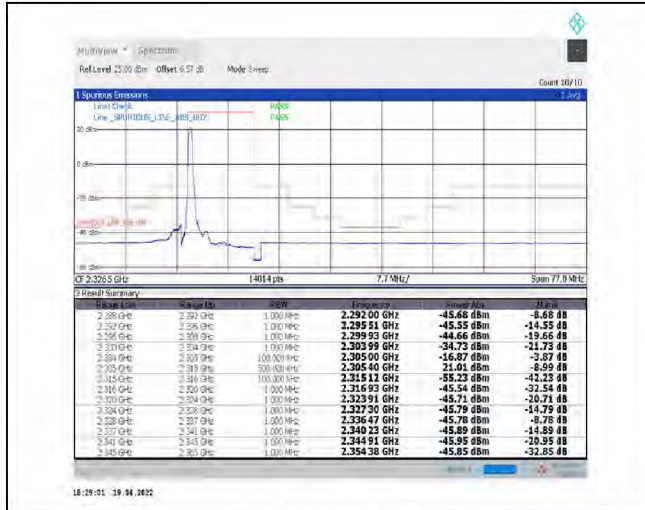
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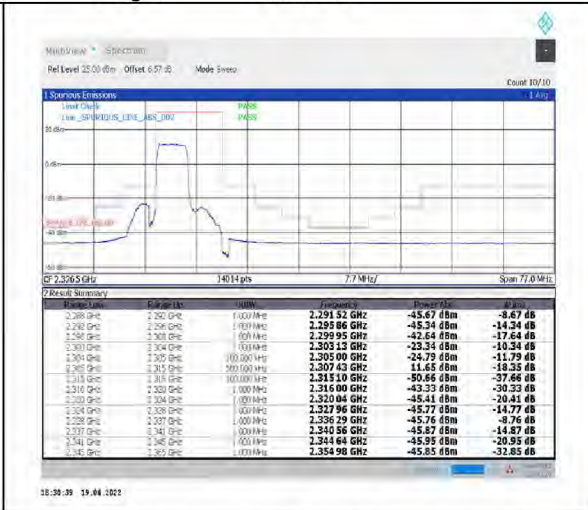
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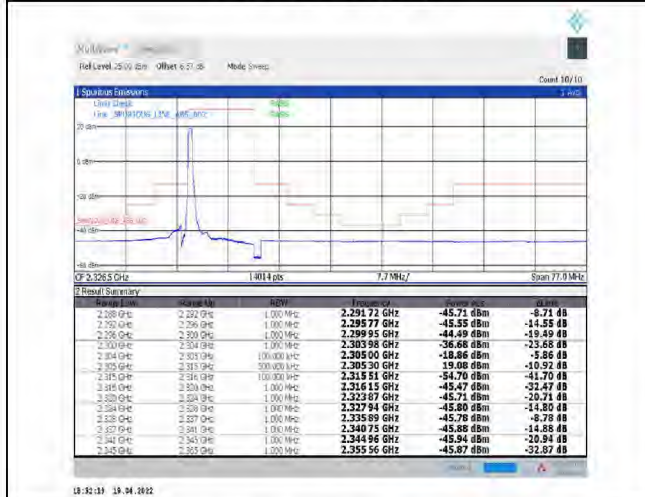




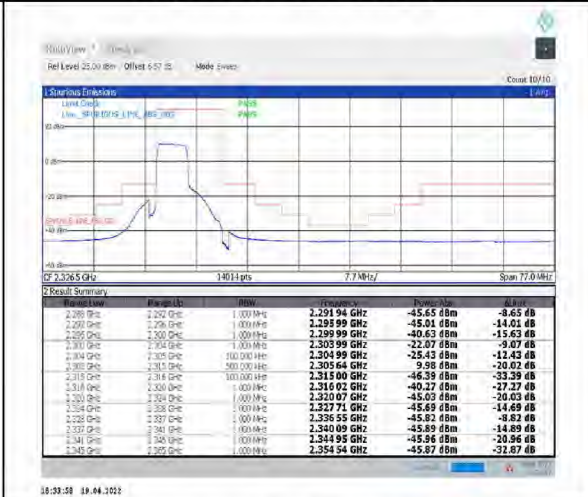
1-N30--30-10-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-PASS-see graph



1-N30--30-10-L-3-DFT-PI2BPSK-Outer\_Full-24@0-Ant1-PASS-see graph



1-N30--30-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-PASS-see graph



1-N30--30-10-L-6-CP-QPSK-Outer\_Full-24@0-Ant1-PASS-see graph



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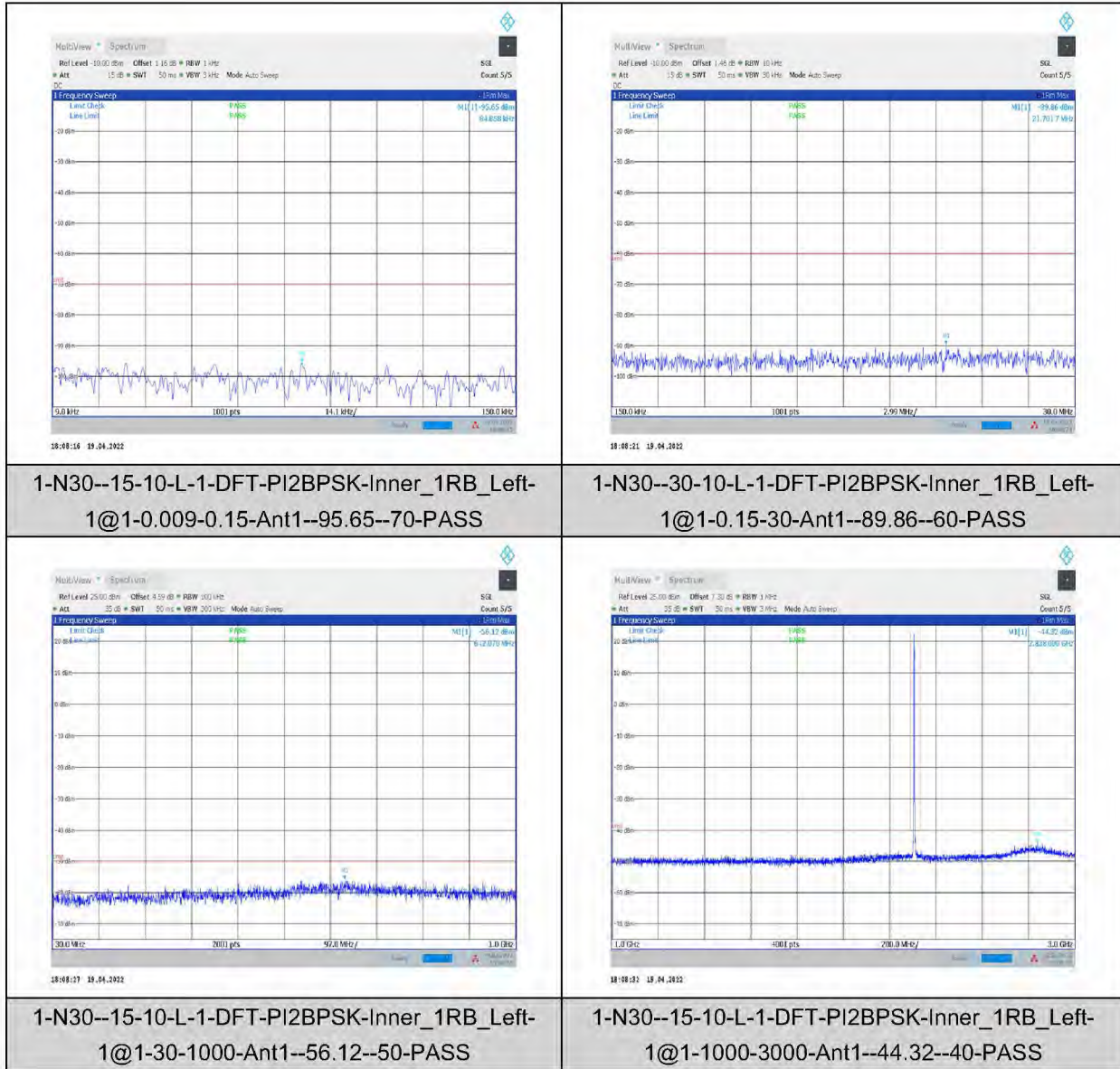
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### Conducted Spurious Emission for SA

#### Test Graphs



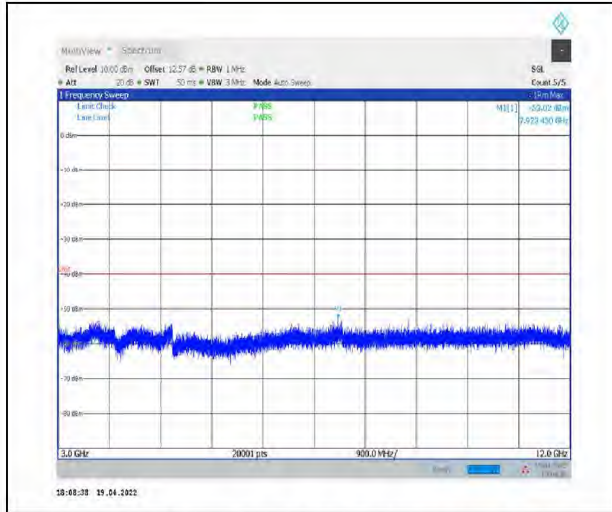
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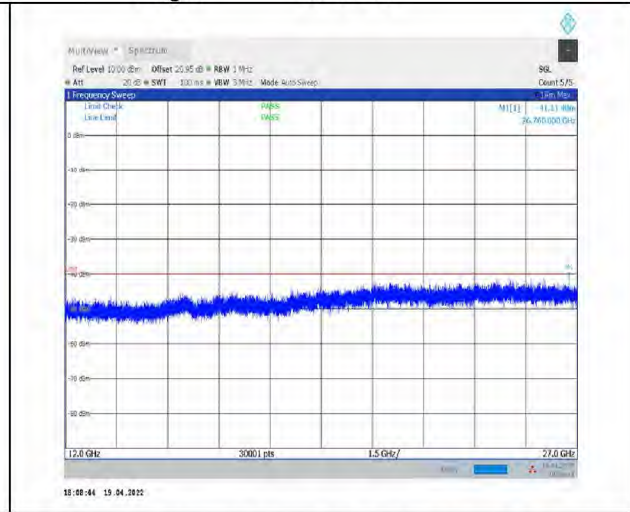
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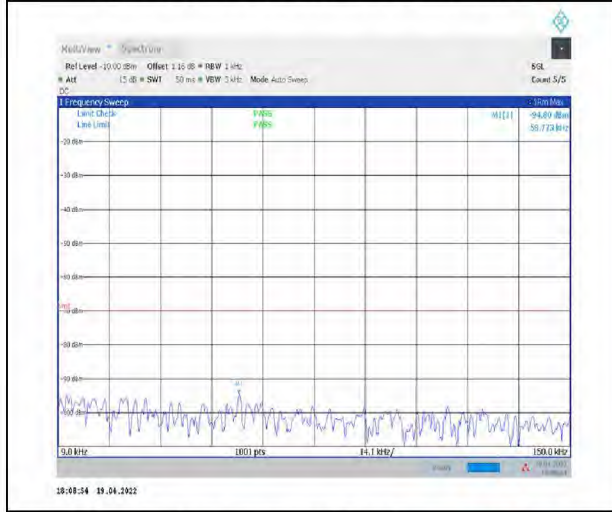




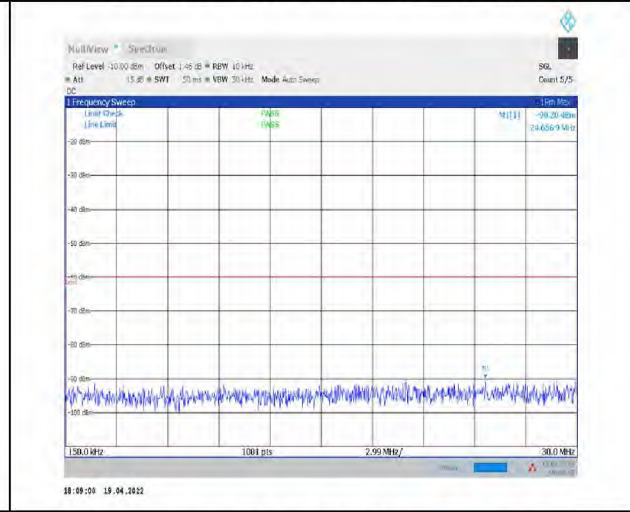
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1-N30--15-10-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-27000-Ant1--41.11--40-PASS



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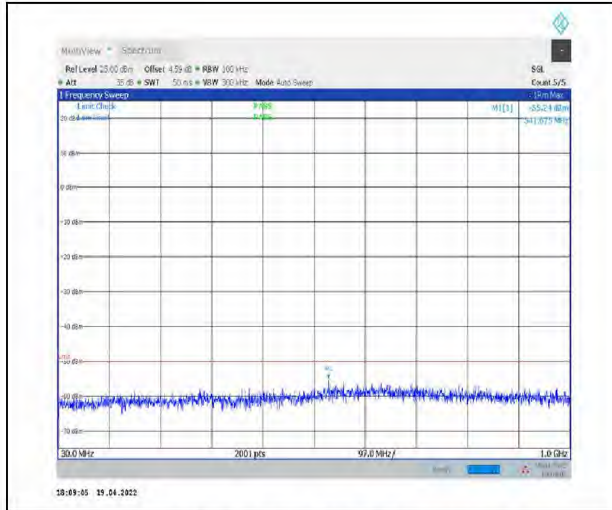
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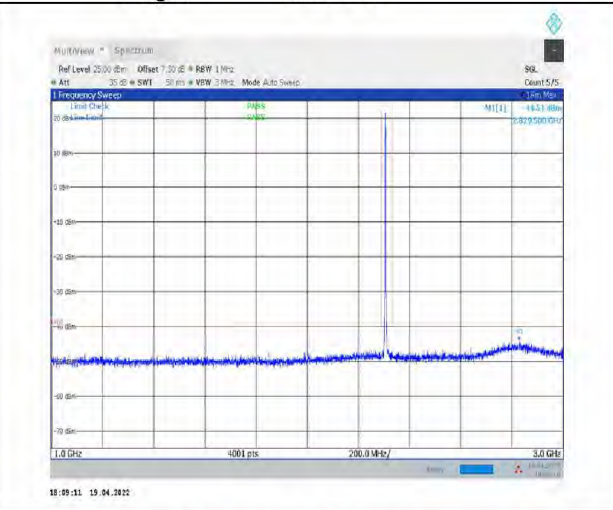
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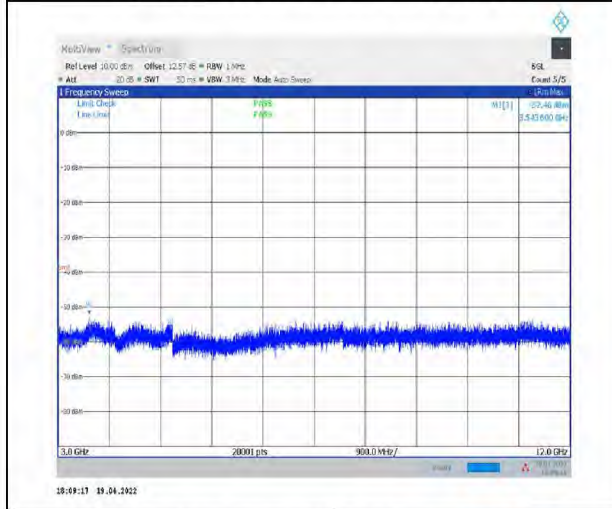
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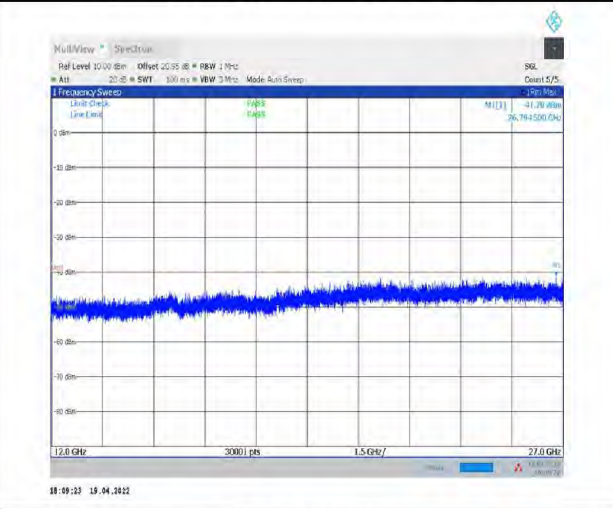
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1-N30--15-10-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-1000-3000-Ant1--44.51--40-PASS



1-N30--15-10-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant1--52.46--40-PASS



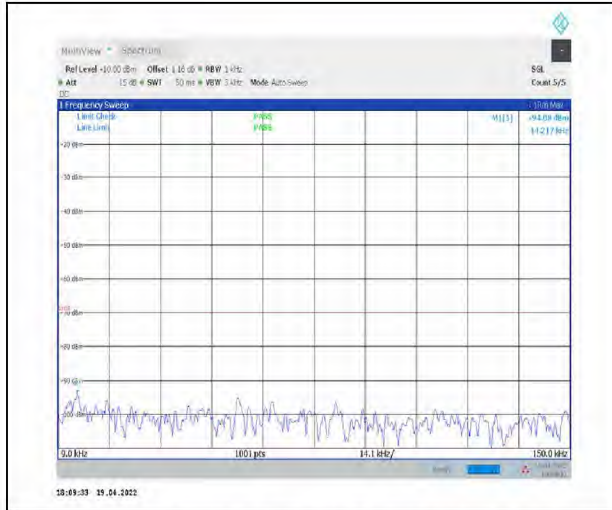
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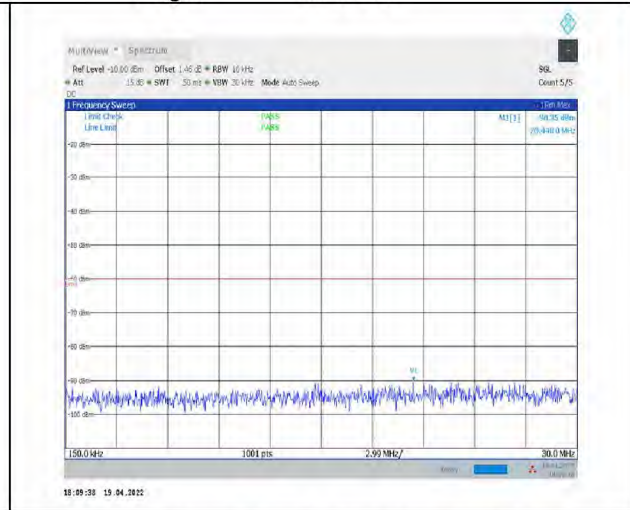
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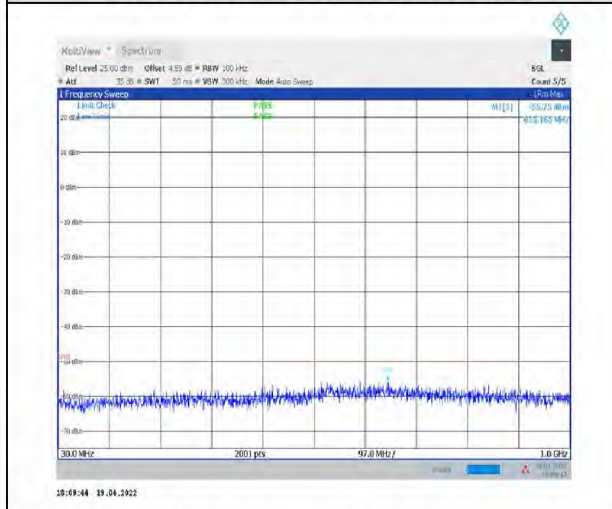




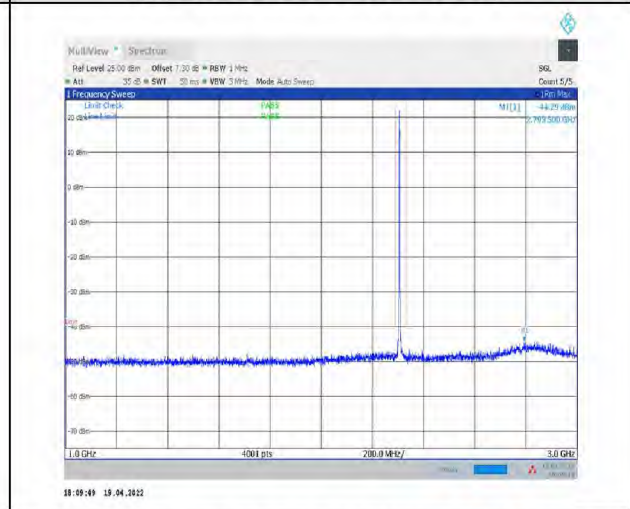
1-N30--15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant1--94.08--70-PASS



1-N30--15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1--90.35--60-PASS



1-N30--15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1--55.75--50-PASS



1-N30--15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-1000-3000-Ant1--44.29--40-PASS



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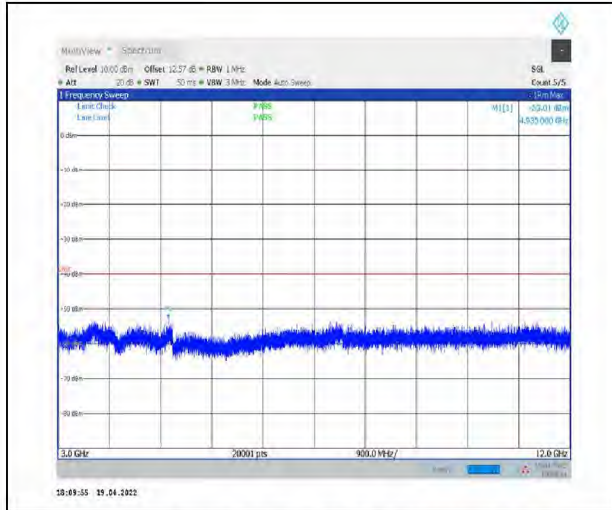
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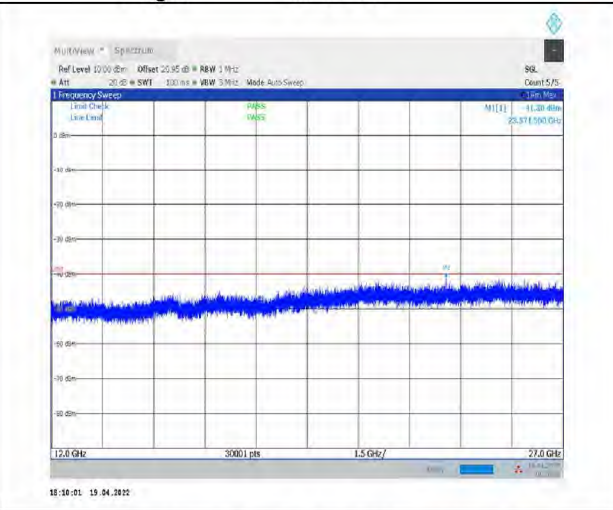
Report No.: SEWA220400008RG02

Rev.: 01

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1-N30--15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant1--53.01--40-PASS



1-N30--15-10-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-27000-Ant1--41.30--40-PASS



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### Field Strength of Spurious Radiation

Test Band = SA Band 30 BW 10M\_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4611.18	50.73	-108.05	-57.32	-40.00	17.32	263	96	Horizontal
2	6916.77	47.76	-101.68	-53.92	-40.00	13.92	251	263	Horizontal
3	9222.36	46.21	-95.08	-48.87	-40.00	8.87	142	241	Horizontal
4	11527.95	42.88	-91.44	-48.56	-40.00	8.56	266	357	Horizontal
5	13833.54	42.16	-90.03	-47.87	-40.00	7.87	244	144	Horizontal
6	16139.13	41.92	-90.60	-48.68	-40.00	8.68	265	302	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4611.18	49.14	-108.05	-58.91	-40.00	18.91	263	1	Vertical
2	6916.77	49.70	-101.68	-51.98	-40.00	11.98	251	0	Vertical
3	9222.36	47.06	-95.08	-48.02	-40.00	8.02	142	278	Vertical
4	11527.95	42.64	-91.44	-48.80	-40.00	8.80	284	7	Vertical
5	13833.54	43.32	-90.03	-46.71	-40.00	6.71	176	81	Vertical
6	16139.13	42.40	-90.60	-48.20	-40.00	8.20	265	302	Vertical



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Test Band = SA Band 30 BW 5M\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4610.68	52.55	-108.05	-55.50	-40.00	15.50	163	161	Horizontal
2	6916.02	48.52	-101.68	-53.16	-40.00	13.16	251	185	Horizontal
3	9221.36	46.72	-95.08	-48.36	-40.00	8.36	174	104	Horizontal
4	11526.7	42.18	-91.44	-49.26	-40.00	9.26	186	115	Horizontal
5	13832.04	42.32	-90.05	-47.73	-40.00	7.73	265	151	Horizontal
6	16137.38	43.17	-90.62	-47.45	-40.00	7.45	244	209	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4610.68	51.43	-108.05	-56.62	-40.00	16.62	163	348	Vertical
2	6916.02	47.81	-101.68	-53.87	-40.00	13.87	284	7	Vertical
3	9221.36	46.94	-95.08	-48.14	-40.00	8.14	176	337	Vertical
4	11526.7	42.28	-91.44	-49.16	-40.00	9.16	255	348	Vertical
5	13832.04	42.67	-90.05	-47.38	-40.00	7.38	144	0	Vertical
6	16137.38	42.17	-90.62	-48.45	-40.00	8.45	177	326	Vertical



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**Test Band = SA Band 30 BW 5M\_ TM1**

**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4615.68	51.22	-108.03	-56.81	-40.00	16.81	263	234	Horizontal
2	6923.52	49.49	-101.68	-52.19	-40.00	12.19	241	44	Horizontal
3	9231.36	47.60	-95.08	-47.48	-40.00	7.48	176	22	Horizontal
4	11539.2	41.65	-91.51	-49.86	-40.00	9.86	284	326	Horizontal
5	13847.04	42.05	-89.92	-47.87	-40.00	7.87	176	326	Horizontal
6	16154.88	41.95	-90.46	-48.51	-40.00	8.51	254	7	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4615.68	49.75	-108.03	-58.28	-40.00	18.28	263	47	Vertical
2	6923.52	49.50	-101.68	-52.18	-40.00	12.18	251	117	Vertical
3	9231.36	46.68	-95.08	-48.40	-40.00	8.40	174	314	Vertical
4	11539.2	41.11	-91.51	-50.40	-40.00	10.40	186	349	Vertical
5	13847.04	42.34	-89.92	-47.58	-40.00	7.58	254	57	Vertical
6	16154.88	42.59	-90.46	-47.87	-40.00	7.87	144	35	Vertical



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Test Band = SA Band 30 BW 5M\_ TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4620.68	49.99	-108.00	-58.01	-40.00	18.01	142	44	Horizontal
2	6931.02	49.21	-101.68	-52.47	-40.00	12.47	263	196	Horizontal
3	9241.32	47.16	-95.08	-47.92	-40.00	7.92	286	303	Horizontal
4	11551.7	42.07	-91.59	-49.52	-40.00	9.52	241	44	Horizontal
5	13862.04	41.09	-89.78	-48.69	-40.00	8.69	177	44	Horizontal
6	16172.38	43.03	-90.28	-47.25	-40.00	7.25	266	92	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4620.68	49.40	-108.00	-58.60	-40.00	18.60	142	14	Vertical
2	6931.02	47.89	-101.68	-53.79	-40.00	13.79	263	14	Vertical
3	9241.32	48.85	-95.08	-46.23	-40.00	6.23	286	209	Vertical
4	11551.7	41.27	-91.59	-50.32	-40.00	10.32	241	245	Vertical
5	13862.04	42.08	-89.78	-47.70	-40.00	7.70	177	0	Vertical
6	16172.38	41.98	-90.28	-48.30	-40.00	8.30	261	245	Vertical



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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
N30	30	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.100000	0.001342	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.400000	0.001472	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.400000	-0.000606	PASS
N30	30	10	CP-QPSK	M	Outer_Full	VH	NT	-2.500000	-0.001082	PASS
N30	30	10	CP-QPSK	M	Outer_Full	VN	NT	2.000000	0.000866	PASS
N30	30	10	CP-QPSK	M	Outer_Full	VL	NT	-3.400000	-0.001472	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	10.500000	0.004545	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	9.300000	0.004026	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	2.400000	0.001039	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	0	1.700000	0.000736	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	10	12.300000	0.005325	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	20	2.500000	0.001082	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	30	10.400000	0.004502	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	40	6.300000	0.002727	PASS
N30	30	10	DFT-PI2BPSK	M	Outer_Full	NV	50	1.400000	0.000606	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	-30	3.800000	0.001645	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	-20	-0.700000	-0.000303	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	-10	4.700000	0.002035	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	0	4.700000	0.002035	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	10	0.800000	0.000346	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	20	0.300000	0.000130	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	30	1.600000	0.000693	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	40	5.600000	0.002424	PASS
N30	30	10	CP-QPSK	M	Outer_Full	NV	50	5.500000	0.002381	PASS

The End



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