

Report No.: SEWA2309000114RG02

Rev.: 01

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# Appendix B.35

## NR Band n26(814-824)



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### Transmitter Conducted Power Output for SA

#### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Limit (dBm)	Verdict
N26-814-824	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	24.29	50.00	PASS
N26-814-824	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	24.18	50.00	PASS
N26-814-824	15	5	DFT-PI2BPSK	L	Outer_Full	23.69	50.00	PASS
N26-814-824	15	5	DFT-QPSK	L	Inner_1RB_Left	24.19	50.00	PASS
N26-814-824	15	5	DFT-QPSK	L	Inner_1RB_Right	24.05	50.00	PASS
N26-814-824	15	5	DFT-QPSK	L	Outer_Full	23.22	50.00	PASS
N26-814-824	15	5	DFT-16QAM	L	Inner_1RB_Left	23.26	50.00	PASS
N26-814-824	15	5	DFT-16QAM	L	Inner_1RB_Right	23.21	50.00	PASS
N26-814-824	15	5	DFT-16QAM	L	Outer_Full	22.25	50.00	PASS
N26-814-824	15	5	DFT-64QAM	L	Inner_1RB_Left	21.89	50.00	PASS
N26-814-824	15	5	DFT-64QAM	L	Inner_1RB_Right	21.87	50.00	PASS
N26-814-824	15	5	DFT-64QAM	L	Outer_Full	21.70	50.00	PASS
N26-814-824	15	5	DFT-256QAM	L	Inner_1RB_Left	19.16	50.00	PASS
N26-814-824	15	5	DFT-256QAM	L	Inner_1RB_Right	19.18	50.00	PASS
N26-814-824	15	5	DFT-256QAM	L	Outer_Full	19.67	50.00	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	24.24	50.00	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	24.13	50.00	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Outer_Full	23.76	50.00	PASS
N26-814-824	15	5	DFT-QPSK	M	Inner_1RB_Left	24.10	50.00	PASS
N26-814-824	15	5	DFT-QPSK	M	Inner_1RB_Right	24.05	50.00	PASS
N26-814-824	15	5	DFT-QPSK	M	Outer_Full	23.21	50.00	PASS
N26-814-824	15	5	DFT-16QAM	M	Inner_1RB_Left	23.18	50.00	PASS
N26-814-824	15	5	DFT-16QAM	M	Inner_1RB_Right	23.05	50.00	PASS
N26-814-824	15	5	DFT-16QAM	M	Outer_Full	22.25	50.00	PASS
N26-814-824	15	5	DFT-64QAM	M	Inner_1RB_Left	21.94	50.00	PASS
N26-814-824	15	5	DFT-64QAM	M	Inner_1RB_Right	21.86	50.00	PASS
N26-814-824	15	5	DFT-64QAM	M	Outer_Full	21.72	50.00	PASS
N26-814-824	15	5	DFT-256QAM	M	Inner_1RB_Left	19.23	50.00	PASS
N26-814-824	15	5	DFT-256QAM	M	Inner_1RB_Right	19.17	50.00	PASS
N26-814-824	15	5	DFT-256QAM	M	Outer_Full	19.62	50.00	PASS
N26-814-824	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	24.15	50.00	PASS
N26-814-824	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	24.07	50.00	PASS



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N26-814-824	15	5	DFT-PI2BPSK	H	Outer_Full	23.63	50.00	PASS
N26-814-824	15	5	DFT-QPSK	H	Inner_1RB_Left	24.10	50.00	PASS
N26-814-824	15	5	DFT-QPSK	H	Inner_1RB_Right	24.02	50.00	PASS
N26-814-824	15	5	DFT-QPSK	H	Outer_Full	23.17	50.00	PASS
N26-814-824	15	5	DFT-16QAM	H	Inner_1RB_Left	23.14	50.00	PASS
N26-814-824	15	5	DFT-16QAM	H	Inner_1RB_Right	23.07	50.00	PASS
N26-814-824	15	5	DFT-16QAM	H	Outer_Full	22.22	50.00	PASS
N26-814-824	15	5	DFT-64QAM	H	Inner_1RB_Left	21.91	50.00	PASS
N26-814-824	15	5	DFT-64QAM	H	Inner_1RB_Right	21.88	50.00	PASS
N26-814-824	15	5	DFT-64QAM	H	Outer_Full	21.62	50.00	PASS
N26-814-824	15	5	DFT-256QAM	H	Inner_1RB_Left	19.21	50.00	PASS
N26-814-824	15	5	DFT-256QAM	H	Inner_1RB_Right	19.20	50.00	PASS
N26-814-824	15	5	DFT-256QAM	H	Outer_Full	19.62	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	24.34	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	24.08	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	L	Outer_Full	23.67	50.00	PASS
N26-814-824	15	10	DFT-QPSK	L	Inner_1RB_Left	24.16	50.00	PASS
N26-814-824	15	10	DFT-QPSK	L	Inner_1RB_Right	24.02	50.00	PASS
N26-814-824	15	10	DFT-QPSK	L	Outer_Full	23.24	50.00	PASS
N26-814-824	15	10	DFT-16QAM	L	Inner_1RB_Left	23.21	50.00	PASS
N26-814-824	15	10	DFT-16QAM	L	Inner_1RB_Right	23.06	50.00	PASS
N26-814-824	15	10	DFT-16QAM	L	Outer_Full	22.24	50.00	PASS
N26-814-824	15	10	DFT-64QAM	L	Inner_1RB_Left	21.99	50.00	PASS
N26-814-824	15	10	DFT-64QAM	L	Inner_1RB_Right	21.93	50.00	PASS
N26-814-824	15	10	DFT-64QAM	L	Outer_Full	21.79	50.00	PASS
N26-814-824	15	10	DFT-256QAM	L	Inner_1RB_Left	19.17	50.00	PASS
N26-814-824	15	10	DFT-256QAM	L	Inner_1RB_Right	19.13	50.00	PASS
N26-814-824	15	10	DFT-256QAM	L	Outer_Full	19.68	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	24.34	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	24.14	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	23.66	50.00	PASS
N26-814-824	15	10	DFT-QPSK	M	Inner_1RB_Left	24.16	50.00	PASS
N26-814-824	15	10	DFT-QPSK	M	Inner_1RB_Right	24.01	50.00	PASS
N26-814-824	15	10	DFT-QPSK	M	Outer_Full	23.23	50.00	PASS
N26-814-824	15	10	DFT-16QAM	M	Inner_1RB_Left	23.14	50.00	PASS
N26-814-824	15	10	DFT-16QAM	M	Inner_1RB_Right	23.03	50.00	PASS
N26-814-824	15	10	DFT-16QAM	M	Outer_Full	22.23	50.00	PASS
N26-814-824	15	10	DFT-64QAM	M	Inner_1RB_Left	21.99	50.00	PASS



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N26-814-824	15	10	DFT-64QAM	M	Inner_1RB_Right	21.89	50.00	PASS
N26-814-824	15	10	DFT-64QAM	M	Outer_Full	21.78	50.00	PASS
N26-814-824	15	10	DFT-256QAM	M	Inner_1RB_Left	19.18	50.00	PASS
N26-814-824	15	10	DFT-256QAM	M	Inner_1RB_Right	19.24	50.00	PASS
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	19.67	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	24.22	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	24.12	50.00	PASS
N26-814-824	15	10	DFT-PI2BPSK	H	Outer_Full	23.70	50.00	PASS
N26-814-824	15	10	DFT-QPSK	H	Inner_1RB_Left	24.13	50.00	PASS
N26-814-824	15	10	DFT-QPSK	H	Inner_1RB_Right	24.06	50.00	PASS
N26-814-824	15	10	DFT-QPSK	H	Outer_Full	23.21	50.00	PASS
N26-814-824	15	10	DFT-16QAM	H	Inner_1RB_Left	23.18	50.00	PASS
N26-814-824	15	10	DFT-16QAM	H	Inner_1RB_Right	23.05	50.00	PASS
N26-814-824	15	10	DFT-16QAM	H	Outer_Full	22.22	50.00	PASS
N26-814-824	15	10	DFT-64QAM	H	Inner_1RB_Left	21.95	50.00	PASS
N26-814-824	15	10	DFT-64QAM	H	Inner_1RB_Right	21.85	50.00	PASS
N26-814-824	15	10	DFT-64QAM	H	Outer_Full	21.76	50.00	PASS
N26-814-824	15	10	DFT-256QAM	H	Inner_1RB_Left	19.18	50.00	PASS
N26-814-824	15	10	DFT-256QAM	H	Inner_1RB_Right	19.21	50.00	PASS
N26-814-824	15	10	DFT-256QAM	H	Outer_Full	19.65	50.00	PASS



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**Peak-to-Average Ratio for SA**

**Peak-to-Average Ratio(PAPR)**

**Test Result**

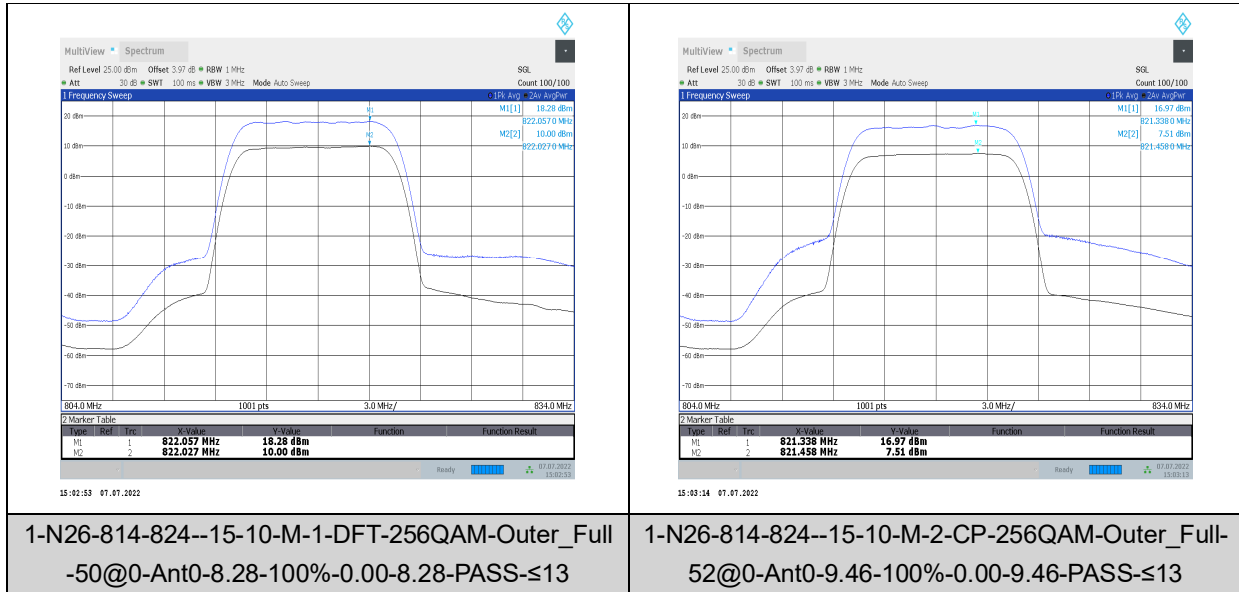
Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.28	≤13	PASS
N26-814-824	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.46	≤13	PASS



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Test Graphs



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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
N26-814-824	15	5	DFT-QPSK	L	Outer_Full	4.501	5.110	PASS
N26-814-824	15	5	DFT-PI2BPSK	L	Outer_Full	4.466	4.940	PASS
N26-814-824	15	5	DFT-16QAM	L	Outer_Full	4.468	4.980	PASS
N26-814-824	15	5	DFT-64QAM	L	Outer_Full	4.469	5.020	PASS
N26-814-824	15	5	DFT-256QAM	L	Outer_Full	4.475	5.090	PASS
N26-814-824	15	5	CP-QPSK	L	Outer_Full	4.463	5.030	PASS
N26-814-824	15	5	CP-16QAM	L	Outer_Full	4.463	4.980	PASS
N26-814-824	15	5	CP-64QAM	L	Outer_Full	4.483	5.160	PASS
N26-814-824	15	5	CP-256QAM	L	Outer_Full	4.469	5.100	PASS
N26-814-824	15	5	DFT-QPSK	M	Outer_Full	4.472	4.980	PASS
N26-814-824	15	5	DFT-PI2BPSK	M	Outer_Full	4.466	5.120	PASS
N26-814-824	15	5	DFT-16QAM	M	Outer_Full	4.46	4.820	PASS
N26-814-824	15	5	DFT-64QAM	M	Outer_Full	4.467	5.050	PASS
N26-814-824	15	5	DFT-256QAM	M	Outer_Full	4.478	4.990	PASS
N26-814-824	15	5	CP-QPSK	M	Outer_Full	4.471	4.990	PASS
N26-814-824	15	5	CP-16QAM	M	Outer_Full	4.475	5.110	PASS
N26-814-824	15	5	CP-64QAM	M	Outer_Full	4.48	5.010	PASS
N26-814-824	15	5	CP-256QAM	M	Outer_Full	4.472	5.000	PASS
N26-814-824	15	5	DFT-QPSK	H	Outer_Full	4.496	5.020	PASS
N26-814-824	15	5	DFT-PI2BPSK	H	Outer_Full	4.467	5.130	PASS
N26-814-824	15	5	DFT-16QAM	H	Outer_Full	4.473	5.120	PASS
N26-814-824	15	5	DFT-64QAM	H	Outer_Full	4.49	5.110	PASS
N26-814-824	15	5	DFT-256QAM	H	Outer_Full	4.47	4.990	PASS
N26-814-824	15	5	CP-QPSK	H	Outer_Full	4.47	5.070	PASS
N26-814-824	15	5	CP-16QAM	H	Outer_Full	4.487	4.980	PASS
N26-814-824	15	5	CP-64QAM	H	Outer_Full	4.471	5.030	PASS
N26-814-824	15	5	CP-256QAM	H	Outer_Full	4.49	5.110	PASS
N26-814-824	15	10	DFT-QPSK	M	Outer_Full	8.922	9.440	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	8.953	9.680	PASS
N26-814-824	15	10	DFT-16QAM	M	Outer_Full	8.905	9.800	PASS
N26-814-824	15	10	DFT-64QAM	M	Outer_Full	8.905	9.520	PASS
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	8.928	9.540	PASS



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Report No.: SEWA2309000114RG02

Rev.: 01

Page: 8 of 26

N26-814-824	15	10	CP-QPSK	M	Outer_Full	9.254	10.020	PASS
N26-814-824	15	10	CP-16QAM	M	Outer_Full	9.293	10.060	PASS
N26-814-824	15	10	CP-64QAM	M	Outer_Full	9.288	10.020	PASS
N26-814-824	15	10	CP-256QAM	M	Outer_Full	9.274	9.900	PASS



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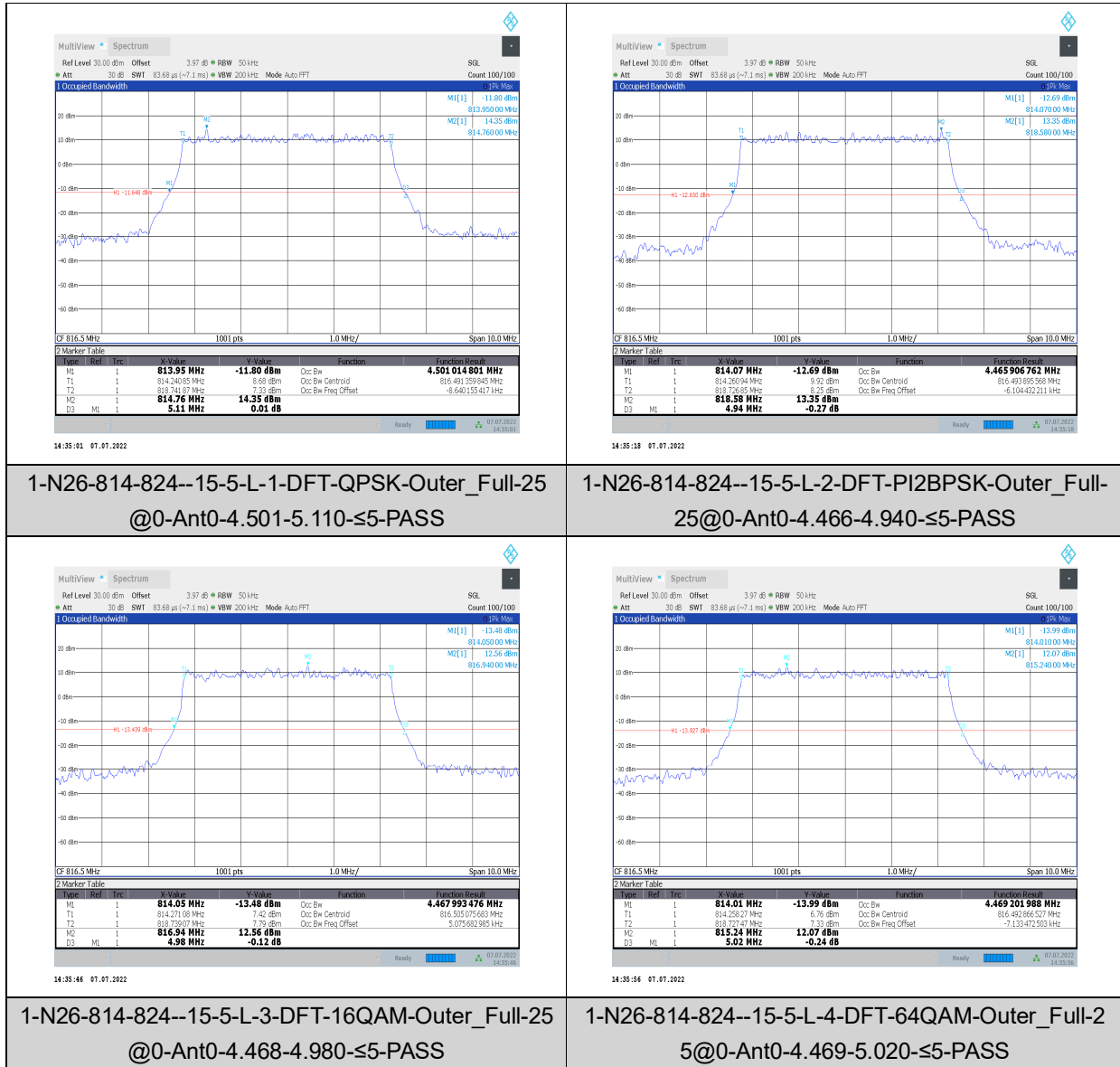
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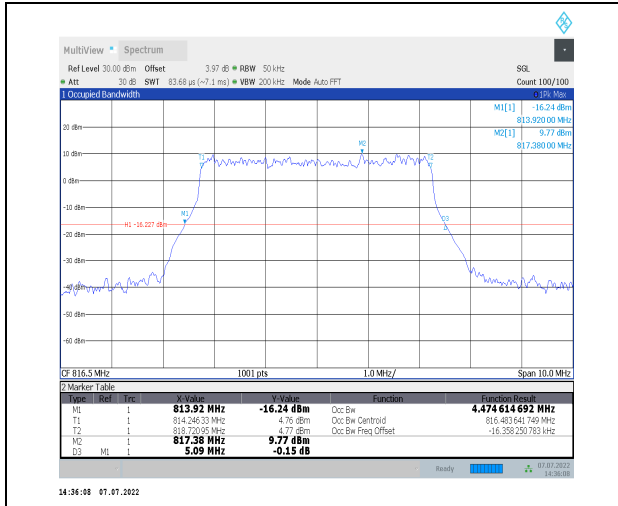
Test Graphs



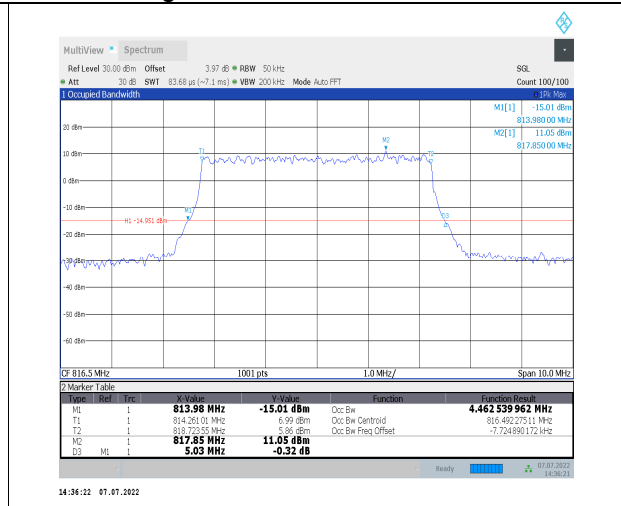
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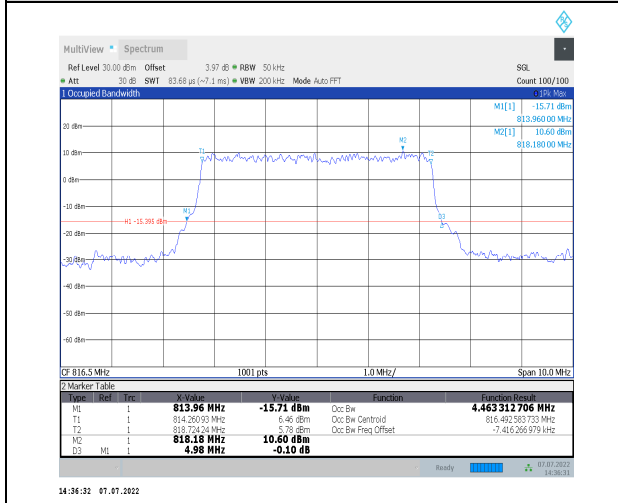
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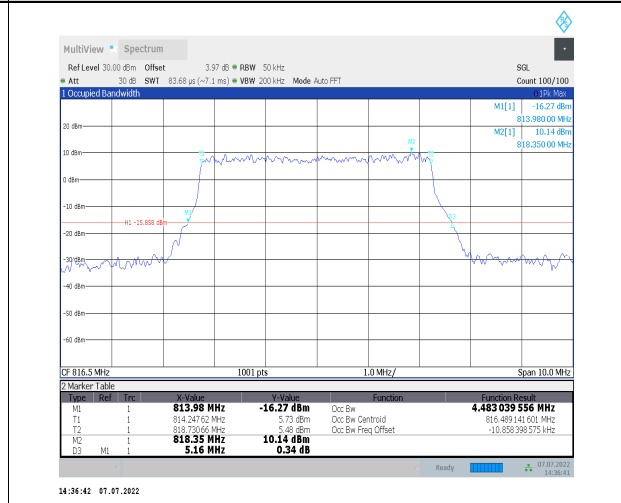
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0-Ant0-4.463-5.030-≤5-PASS



1-N26-814-824--15-5-L-7-CP-16QAM-Outer\_Full-25  
@0-Ant0-4.463-4.980-≤5-PASS



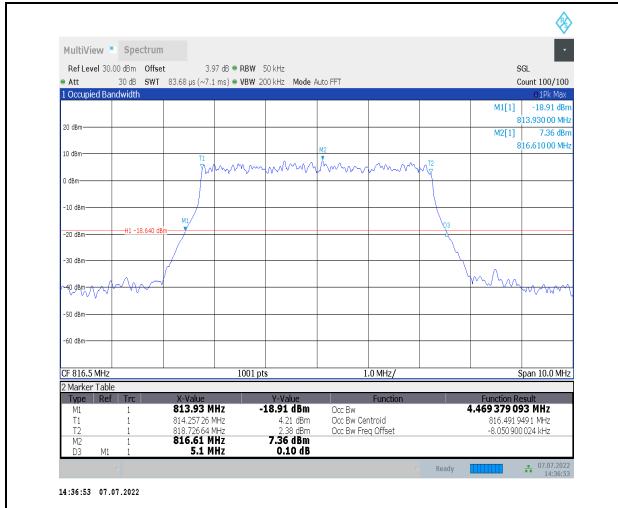
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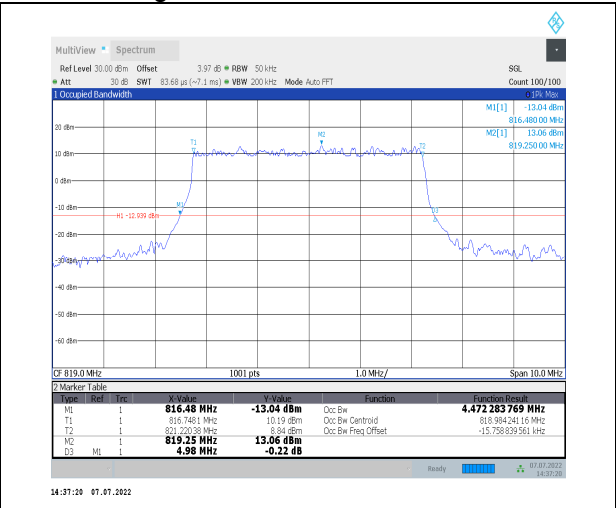
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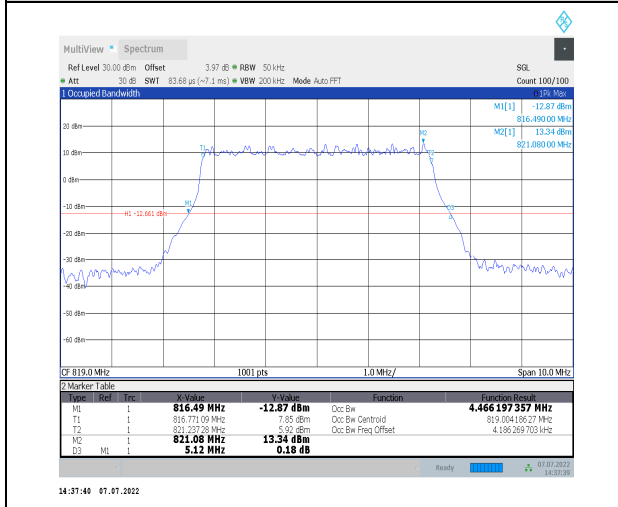
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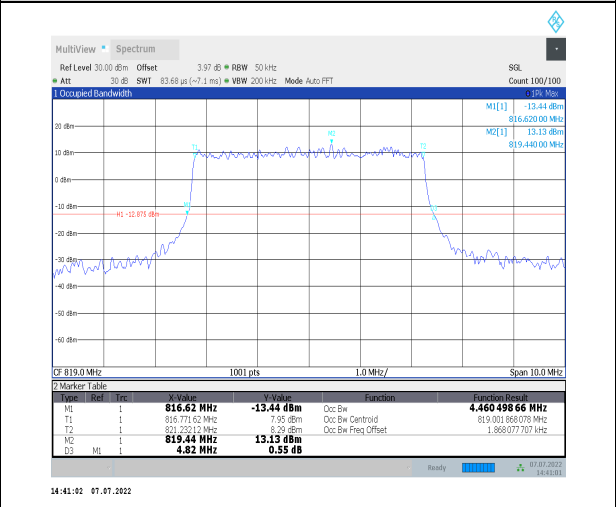
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1-N26-814-824--15-5-M-1-DFT-QPSK-Outer\_Full-25@0-Ant0-4.472-4.980-≤5-PASS



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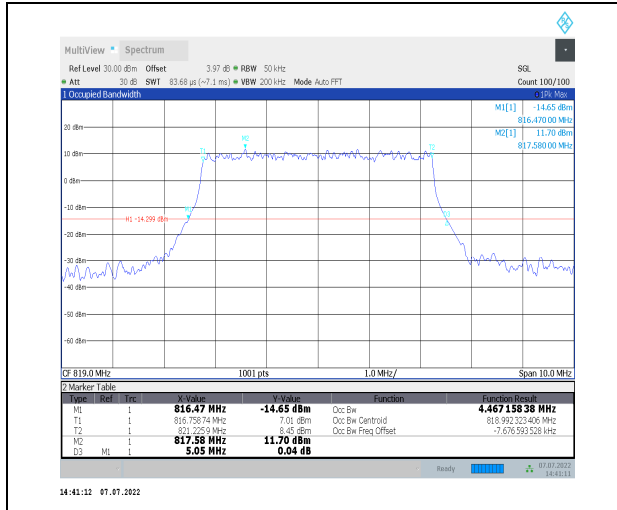
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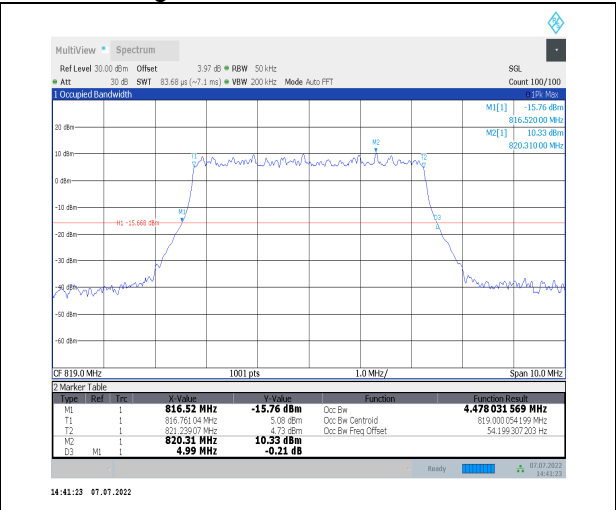
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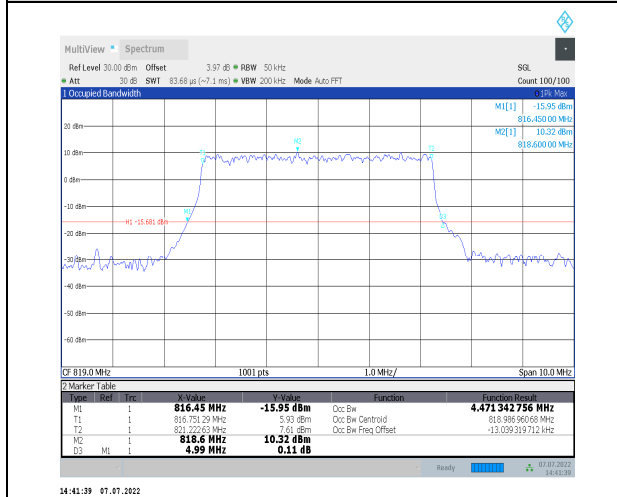
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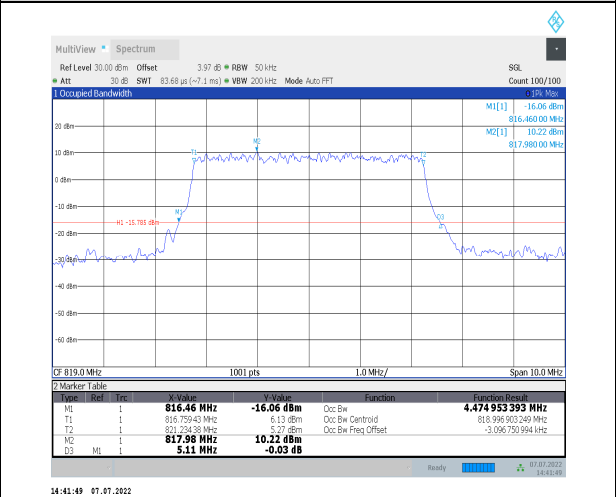
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1-N26-814-824--15-5-M-6-CP-QPSK-Outer\_Full-25@0-Ant0-4.471-4.990-≤5-PASS



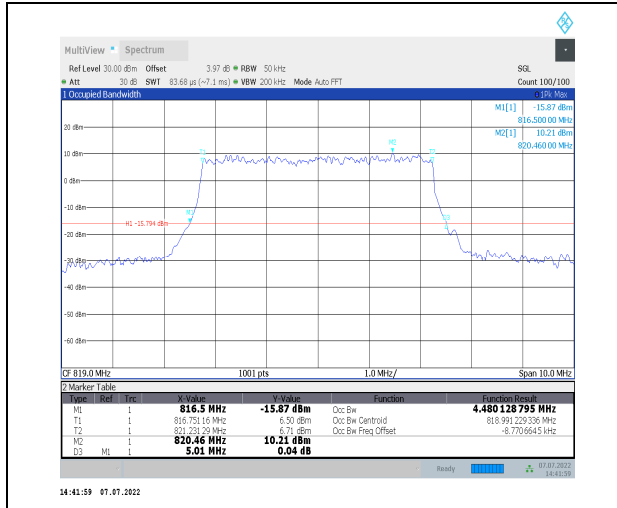
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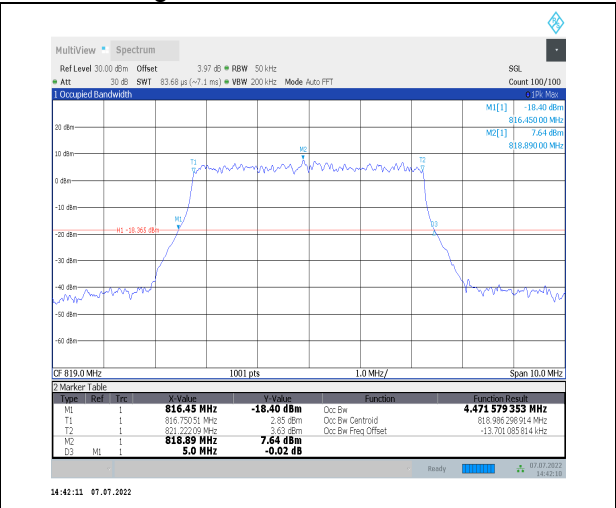
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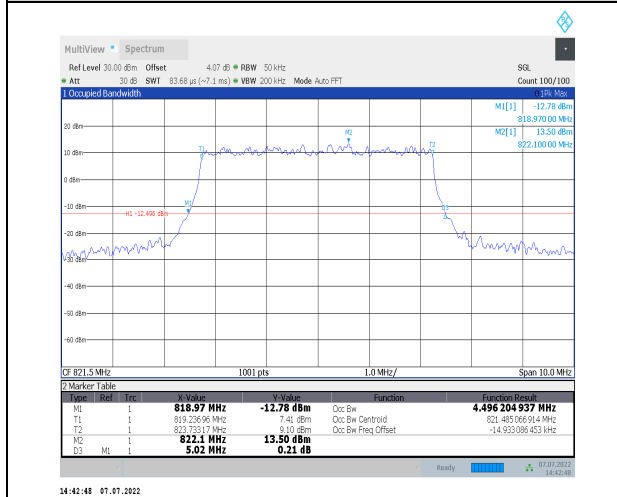
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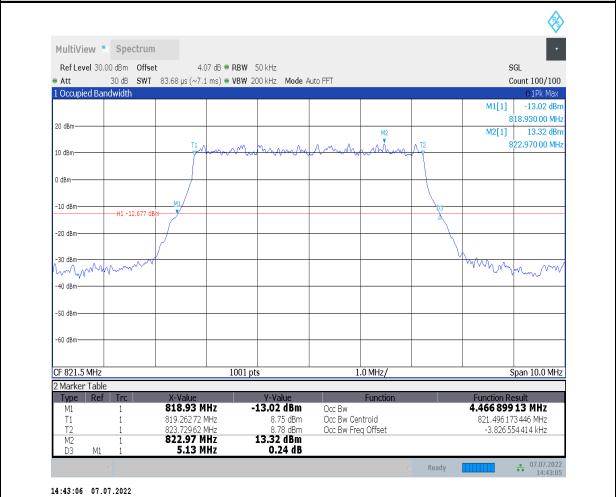
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1-N26-814-824--15-5-H-1-DFT-QPSK-Outer\_Full-25  
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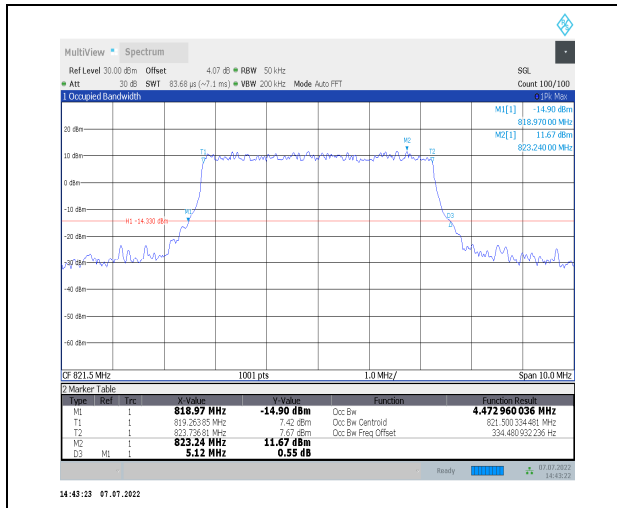
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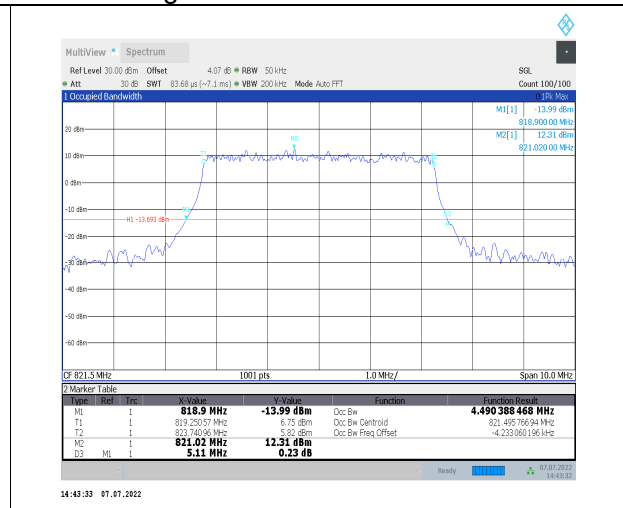
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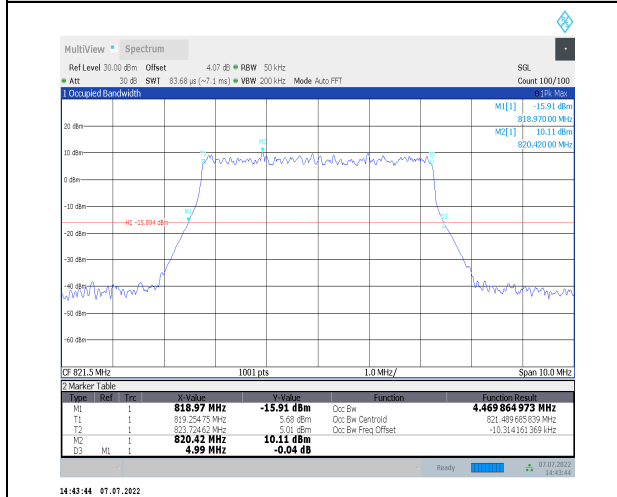
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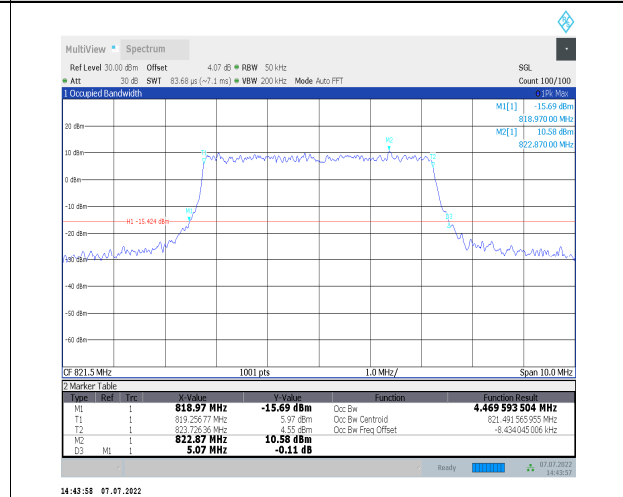
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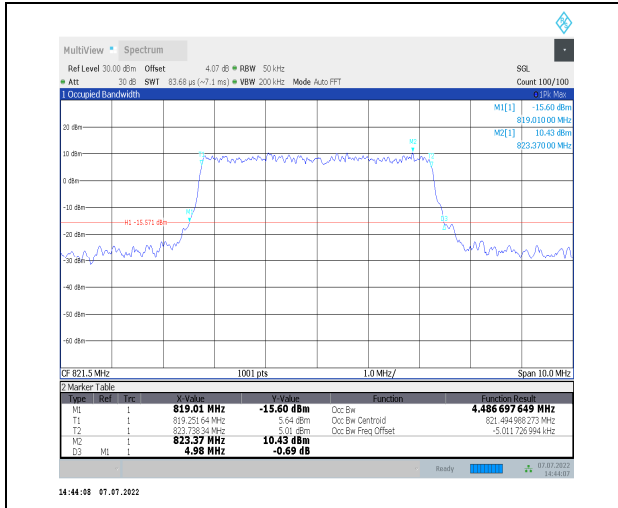
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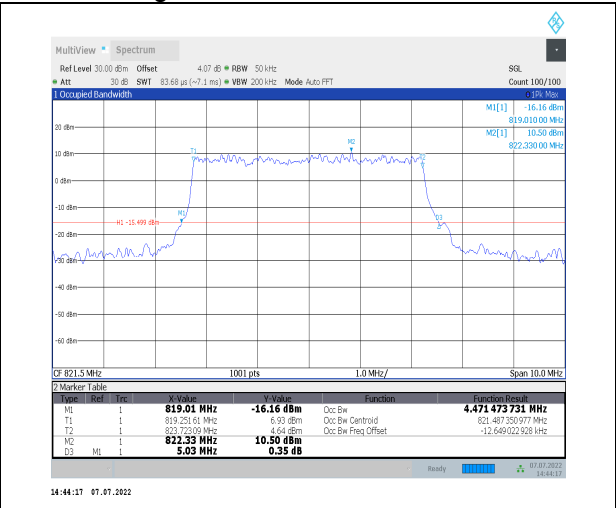
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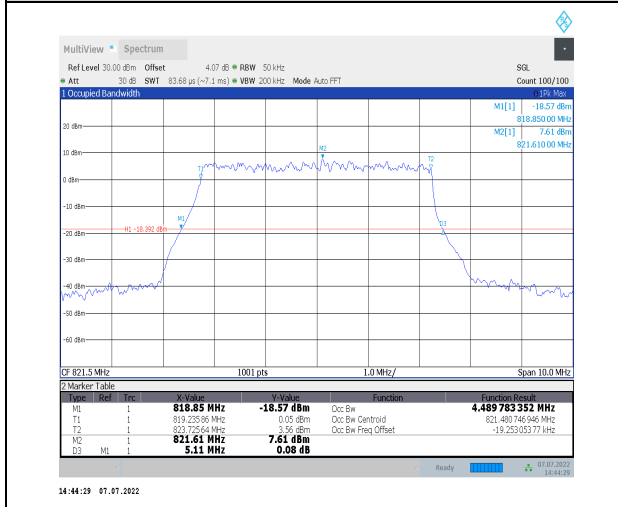




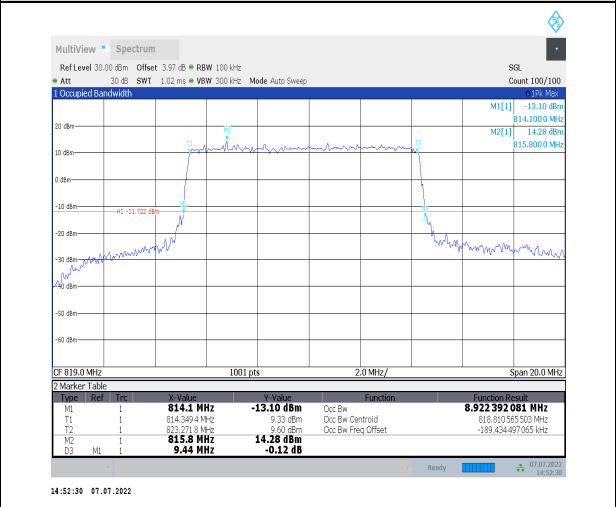
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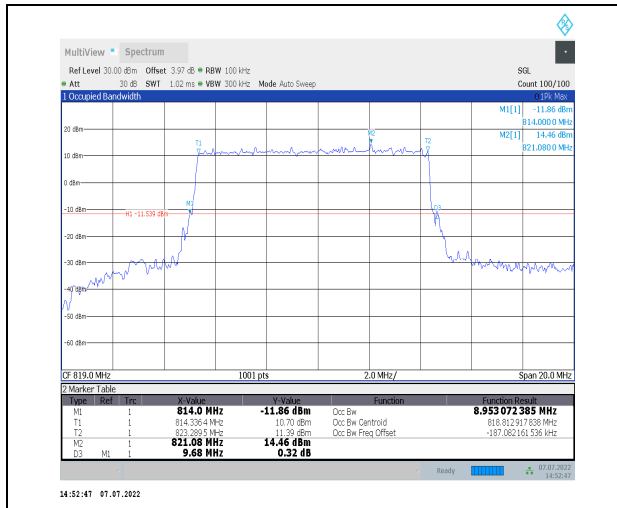
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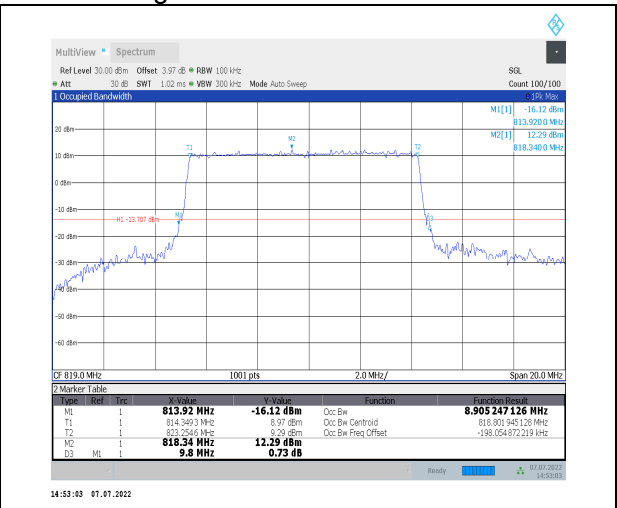
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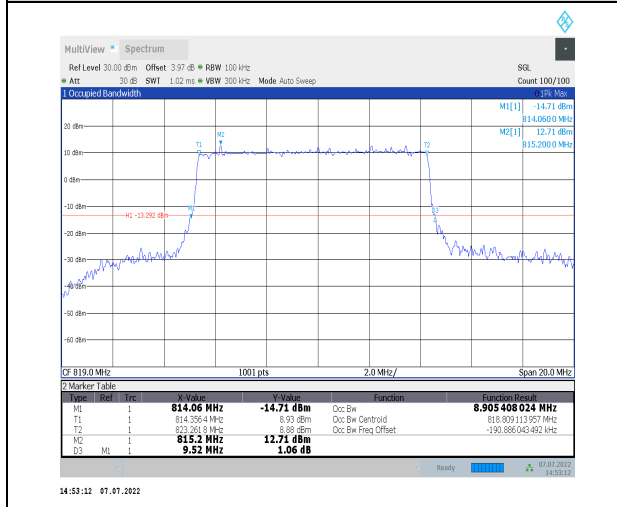
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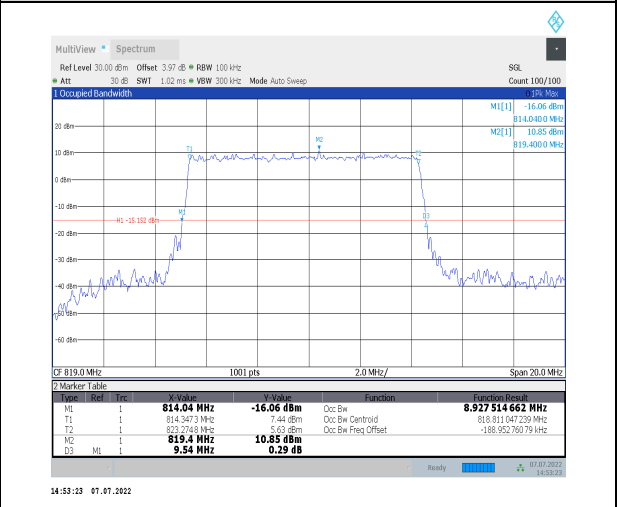
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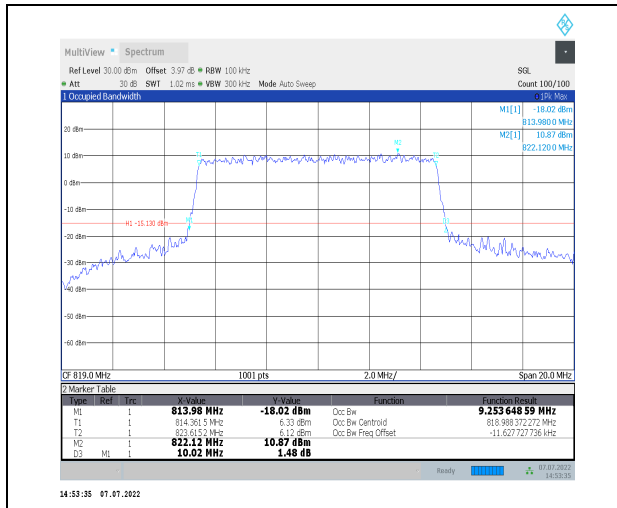
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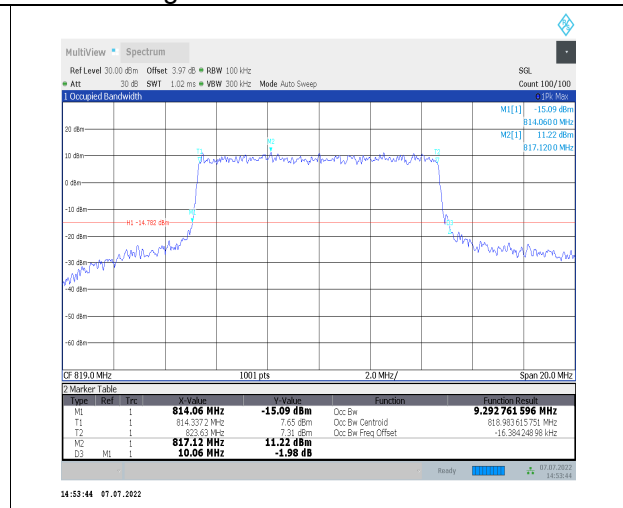
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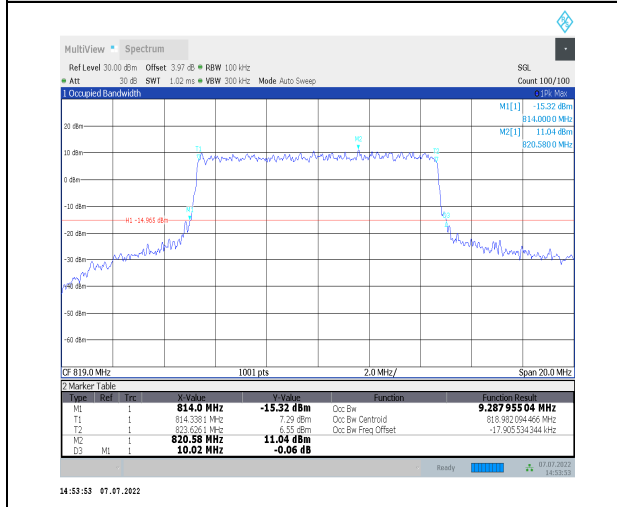
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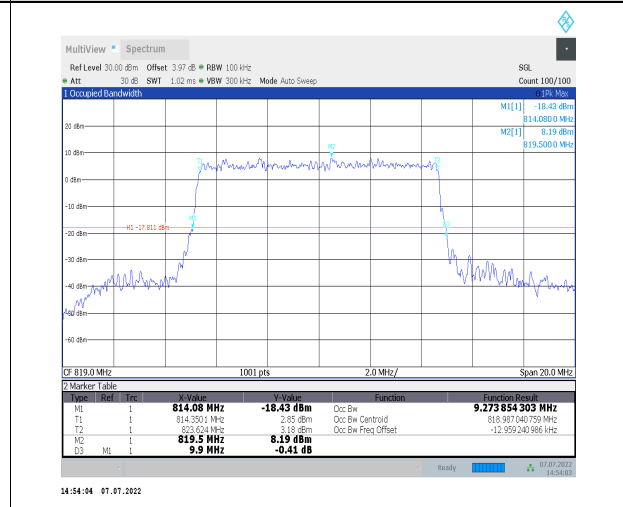
1-N26-814-824--15-10-M-6-CP-QPSK-Outer\_Full-52  
@0-Ant0-9.254-10.020-≤10-PASS



1-N26-814-824--15-10-M-7-CP-16QAM-Outer\_Full-5  
2@0-Ant0-9.293-10.060-≤10-PASS



1-N26-814-824--15-10-M-8-CP-64QAM-Outer\_Full-5  
2@0-Ant0-9.288-10.020-≤10-PASS



1-N26-814-824--15-10-M-9-CP-256QAM-Outer\_Full-  
52@0-Ant0-9.274-9.900-≤10-PASS



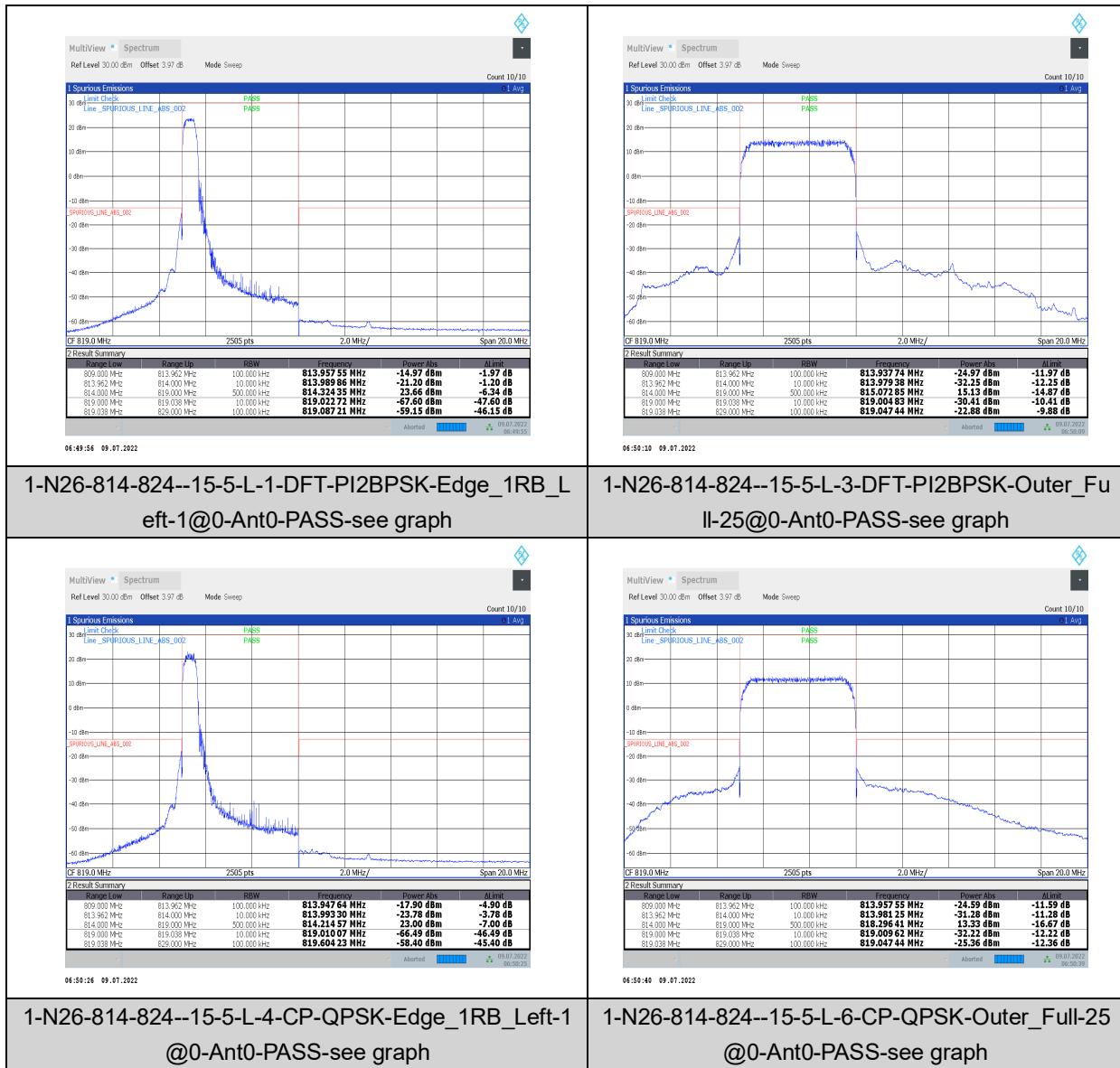
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## Band Edge for SA

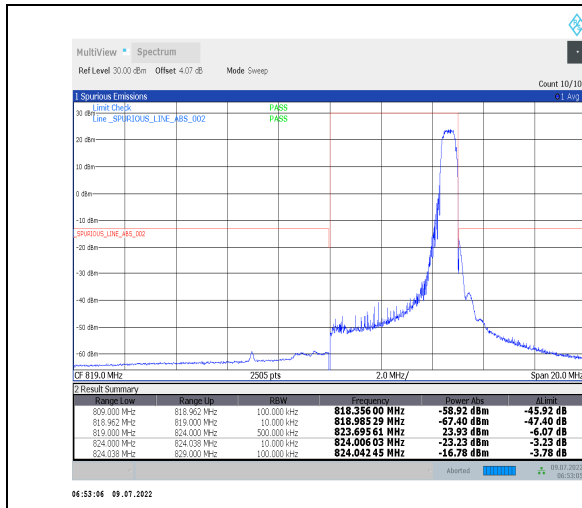
### Test Graphs



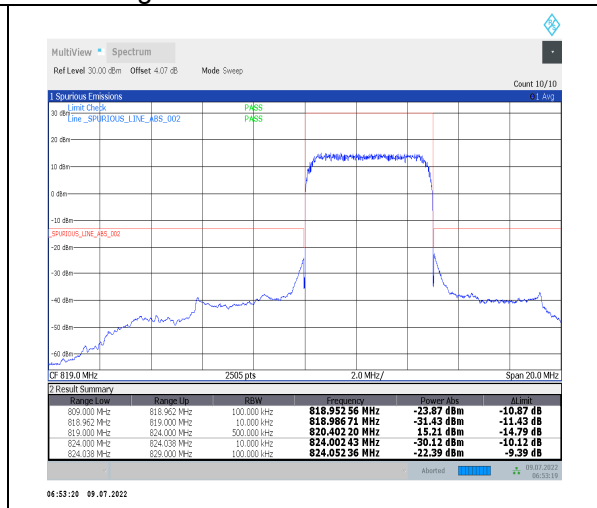
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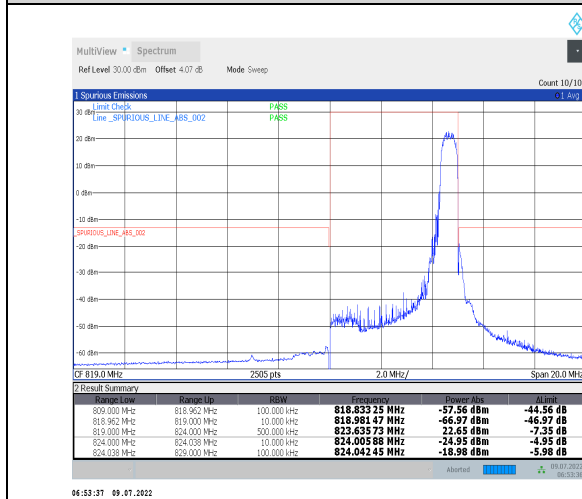
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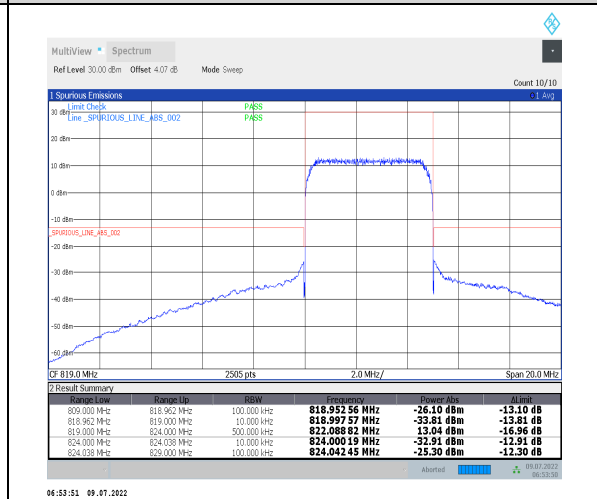
1-N26-814-824--15-5-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@24-Ant0-PASS-see graph



1-N26-814-824--15-5-H-3-DFT-PI2BPSK-Outer\_Full-25@0-Ant0-PASS-see graph



1-N26-814-824--15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@24-Ant0-PASS-see graph



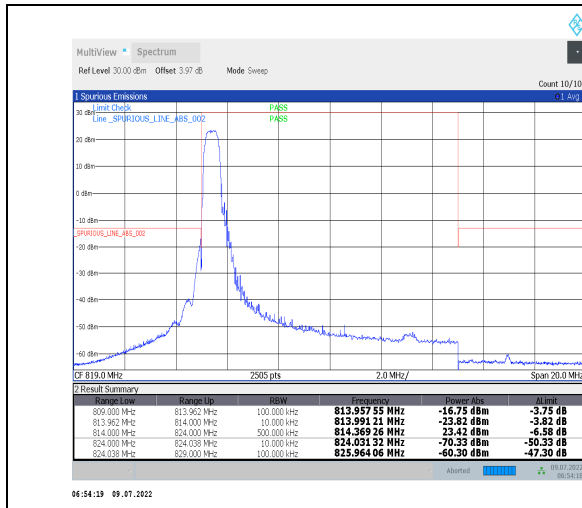
1-N26-814-824--15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant0-PASS-see graph



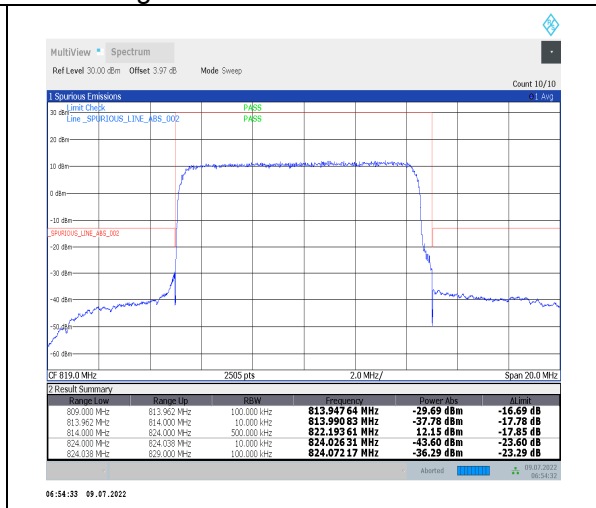
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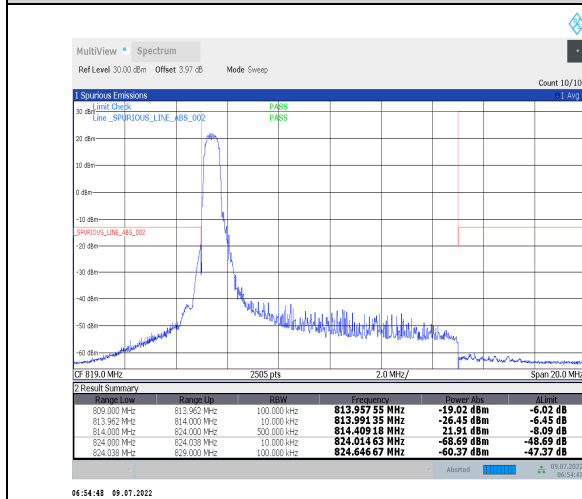
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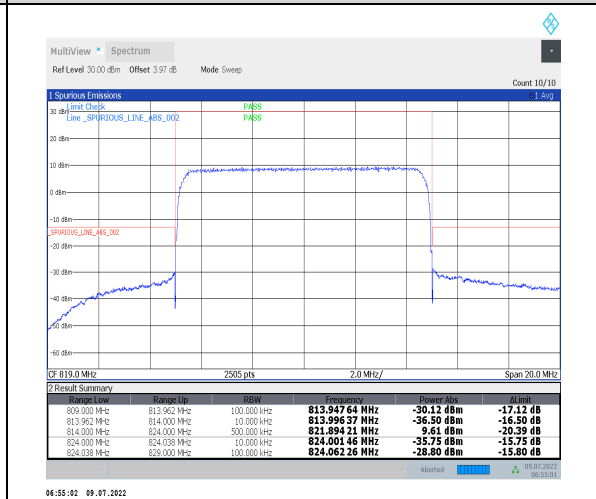
1-N26-814-824--15-10-M-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant0-PASS-see graph



1-N26-814-824--15-10-M-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant0-PASS-see graph



1-N26-814-824--15-10-M-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant0-PASS-see graph



1-N26-814-824--15-10-M-6-CP-QPSK-Outer\_Full-52@0-Ant0-PASS-see graph



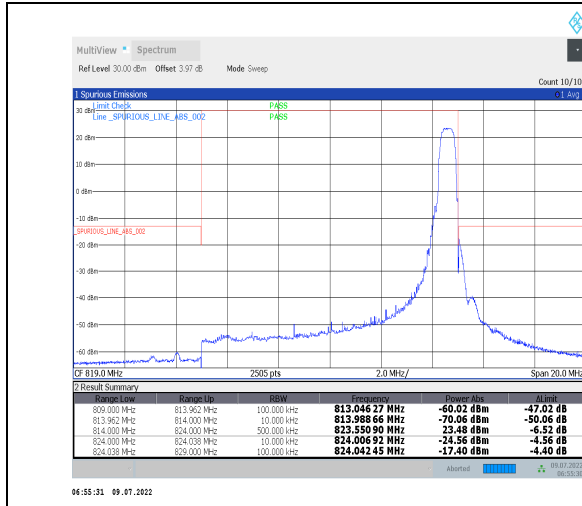
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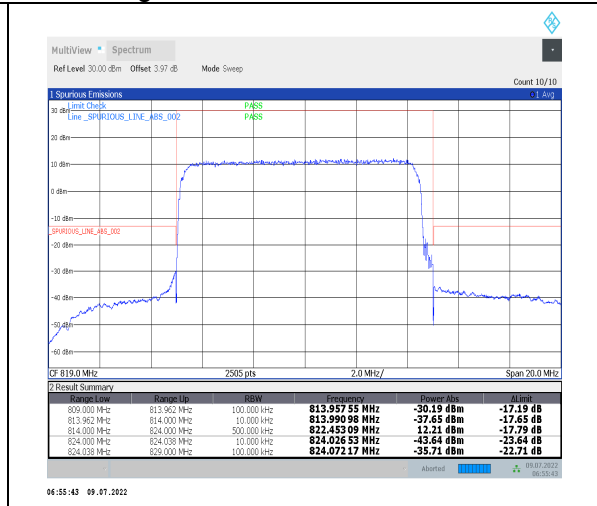
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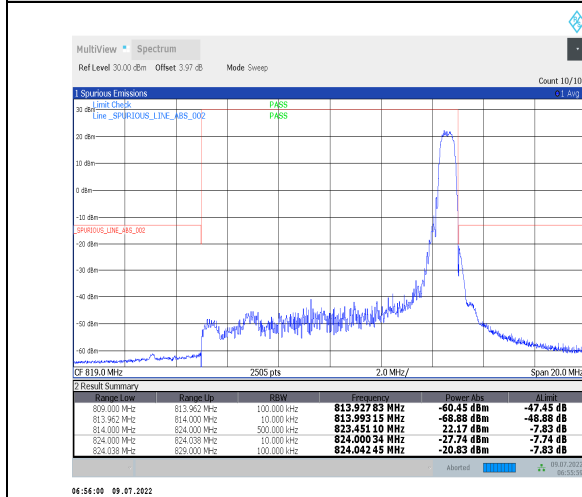




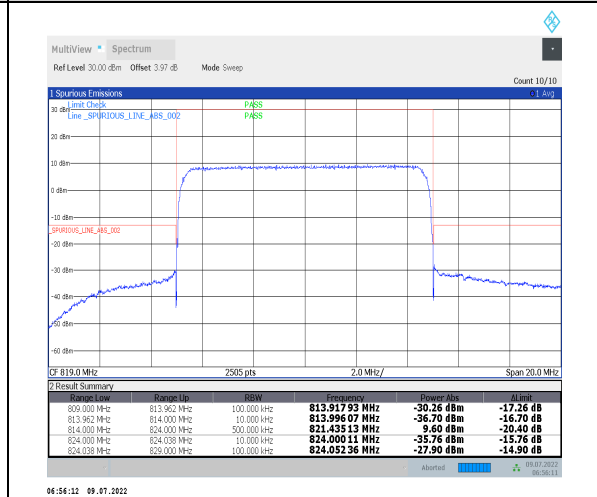
1-N26-814-824--15-10-M-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@51-Ant0-PASS-see graph



1-N26-814-824--15-10-M-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant0-PASS-see graph



1-N26-814-824--15-10-M-5-CP-QPSK-Edge\_1RB\_Right-1@51-Ant0-PASS-see graph



1-N26-814-824--15-10-M-6-CP-QPSK-Outer\_Full-52@0-Ant0-PASS-see graph



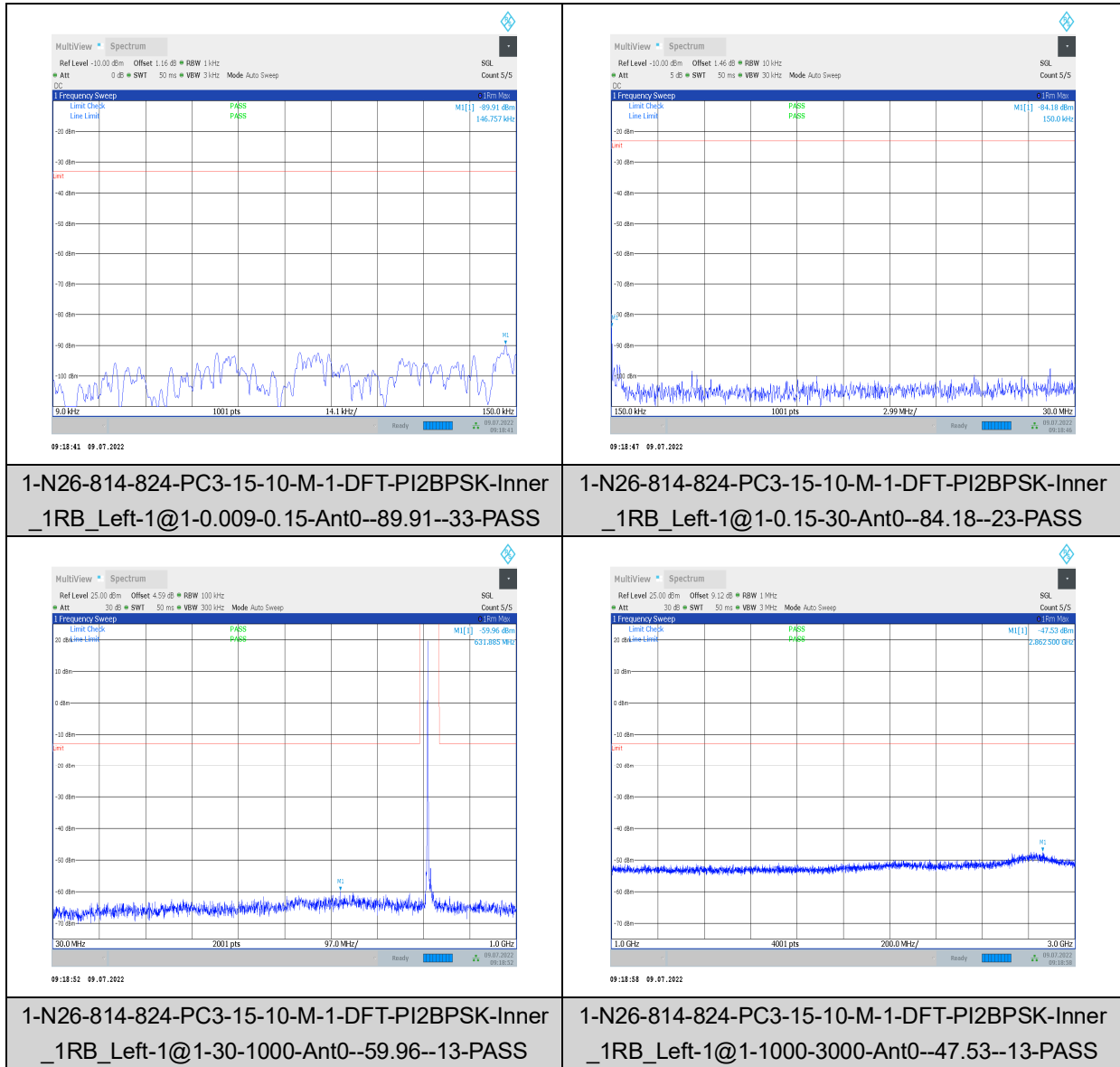
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## Conducted Spurious Emission for SA

### Test Graphs

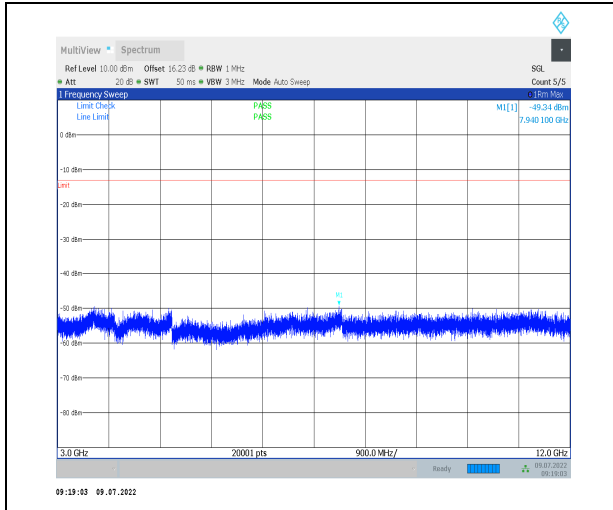


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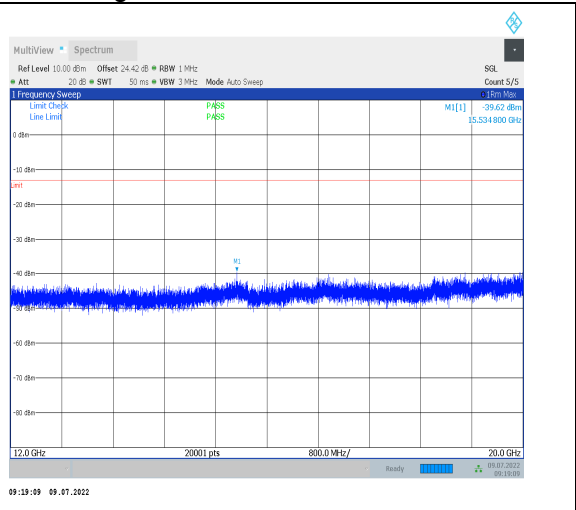
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1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK-Inner  
\_1RB\_Left-1@1-3000-12000-Ant0--49.34--13-PASS



1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK-Inner  
\_1RB\_Left-1@1-12000-20000-Ant0--39.62--13-PASS



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### Field Strength of Spurious Radiation

Test Band = LTE Band 26 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	1629.18	68.82	-118.11	-49.29	-13.00	36.29	168	257	Horizontal
2	2443.77	66.91	-114.69	-47.78	-13.00	34.78	342	238	Horizontal
3	3258.36	66.33	-111.94	-45.61	-13.00	32.61	268	63	Horizontal
4	4072.95	68.48	-109.98	-41.50	-13.00	28.50	146	147	Horizontal
5	4887.54	50.35	-108.01	-57.66	-13.00	44.66	214	288	Horizontal
6	5702.13	49.67	-105.57	-55.90	-13.00	42.90	156	257	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1629.18	60.66	-118.11	-57.45	-13.00	44.45	156	274	Vertical
2	2443.77	62.63	-114.69	-52.06	-13.00	39.06	147	256	Vertical
3	3258.36	61.15	-111.94	-50.79	-13.00	37.79	356	73	Vertical
4	4072.95	63.98	-109.98	-46.00	-13.00	33.00	248	140	Vertical
5	4887.54	50.01	-108.01	-58.00	-13.00	45.00	246	351	Vertical
6	5702.13	50.78	-105.57	-54.79	-13.00	41.79	168	158	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
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.800000	-0.002198	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.400000	0.001709	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.800000	-0.000977	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VH	NT	4.800000	0.005861	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VN	NT	2.100000	0.002564	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VL	NT	-0.300000	-0.000366	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	-2.000000	-0.002442	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	-3.000000	-0.003663	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	-0.100000	-0.000122	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.400000	-0.001709	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	0.100000	0.000122	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	-2.500000	-0.003053	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.200000	-0.001465	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.400000	-0.001709	PASS
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.200000	-0.001465	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	-30	2.500000	0.003053	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	-20	-0.200000	-0.000244	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	-10	4.400000	0.005372	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	0	2.100000	0.002564	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	10	2.000000	0.002442	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	20	5.000000	0.006105	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	30	-0.500000	-0.000611	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	40	0.500000	0.000611	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	NV	50	4.700000	0.005739	PASS

---End of Attachment---



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com  
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com