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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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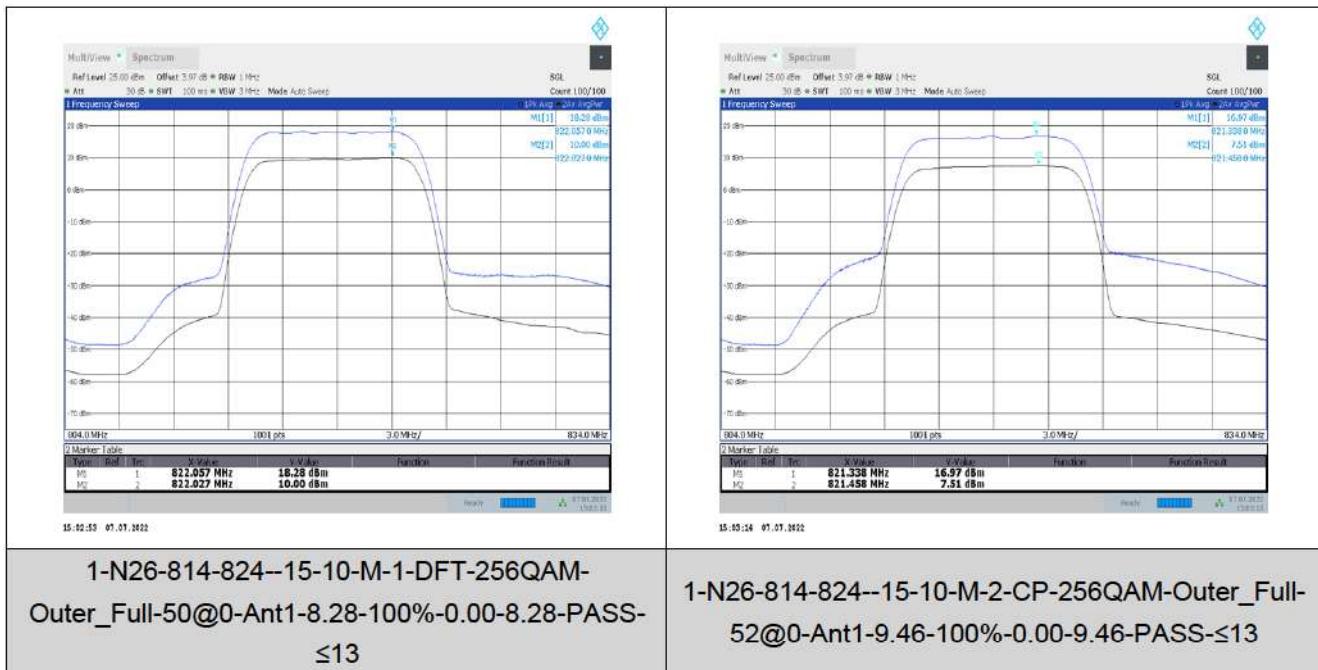


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## Test Graphs



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## Modulation characteristics for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-QPSK	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-16QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-64QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-QPSK	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-16QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-64QAM	M	Outer_Full	see graph	PASS
N26-814-824	15	10	CP-256QAM	M	Outer_Full	see graph	PASS

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## Test Graphs

<p>1-N26-814-824--15-10-M-1-DFT-PI2BPSK-Outer_Full-50@0-Ant1-see graph-PASS</p>	<p>1-N26-814-824--15-10-M-2-DFT-QPSK-Outer_Full-50@0-Ant1-see graph-PASS</p>
<p>1-N26-814-824--15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-see graph-PASS</p>	<p>1-N26-814-824--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-see graph-PASS</p>

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<p>1-N26-814-824--15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-see graph-PASS</p>	<p>1-N26-814-824--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-see graph-PASS</p>
<p>1-N26-814-824--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-see graph-PASS</p>	<p>1-N26-814-824--15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-see graph-PASS</p>



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 Wireless Laboratory

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1-N26-814-824--15-10-M-9-CP-256QAM-Outer_Full- 52@0-Ant1-see graph-PASS	

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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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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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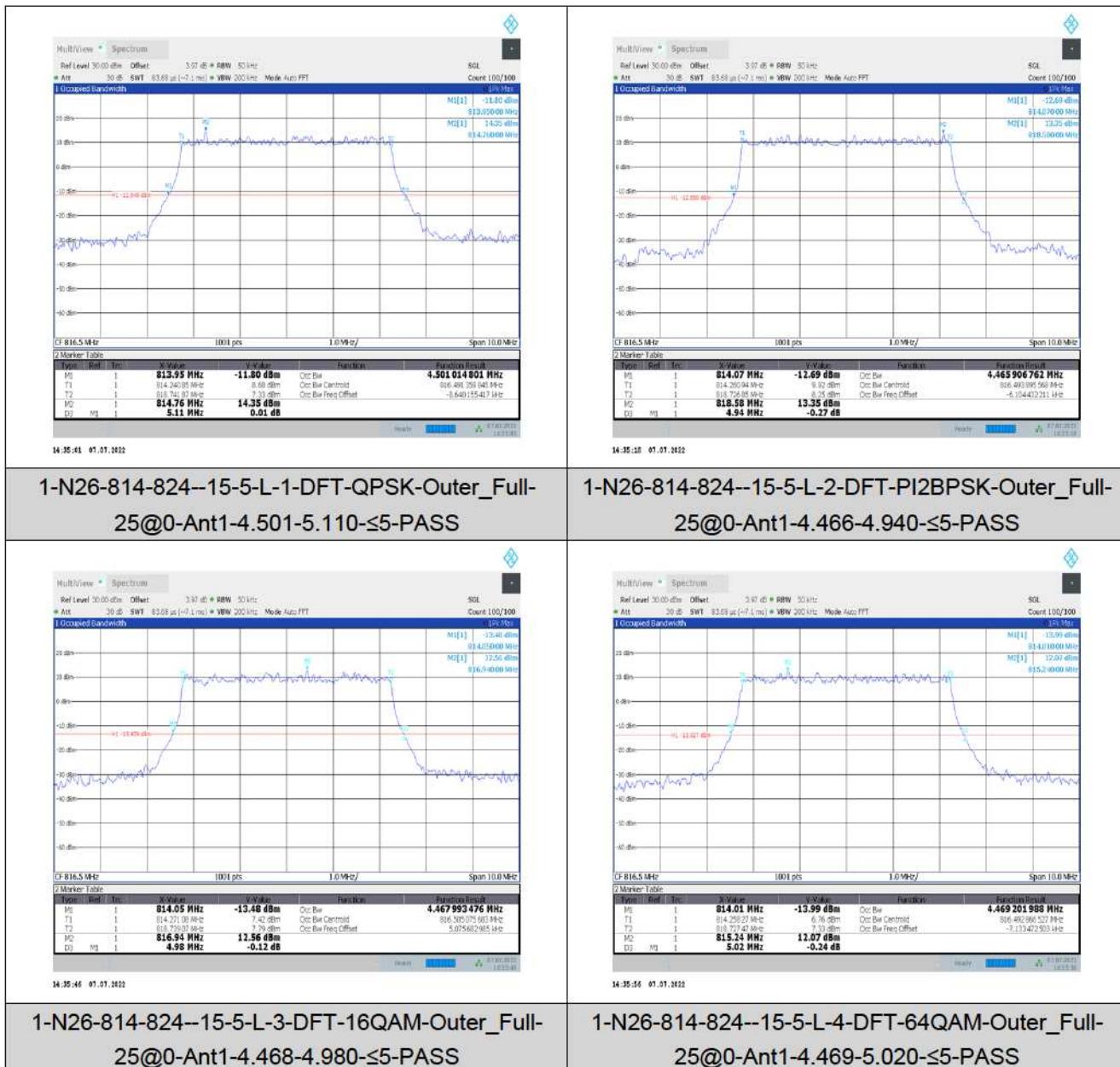
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## Test Graphs



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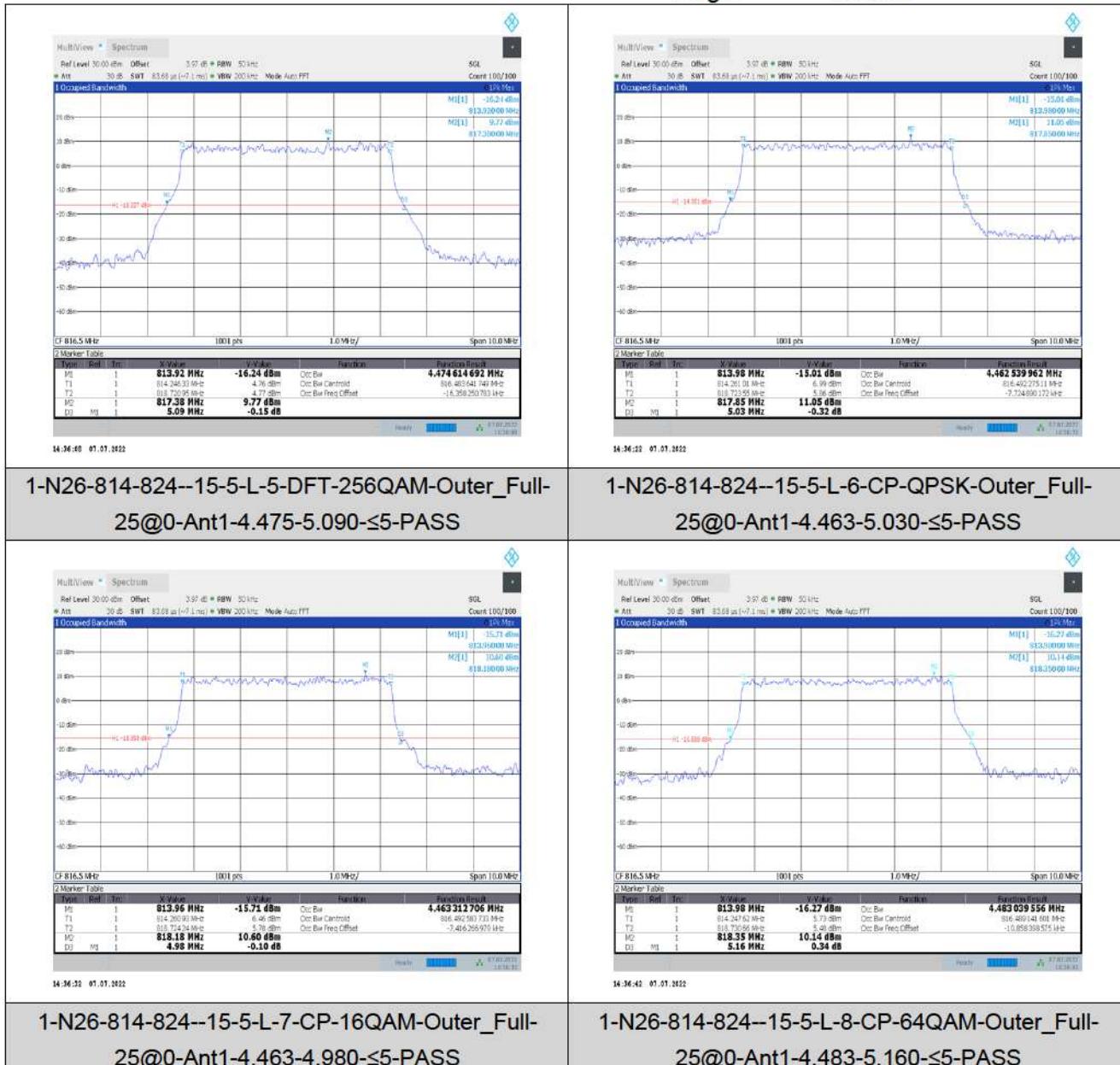
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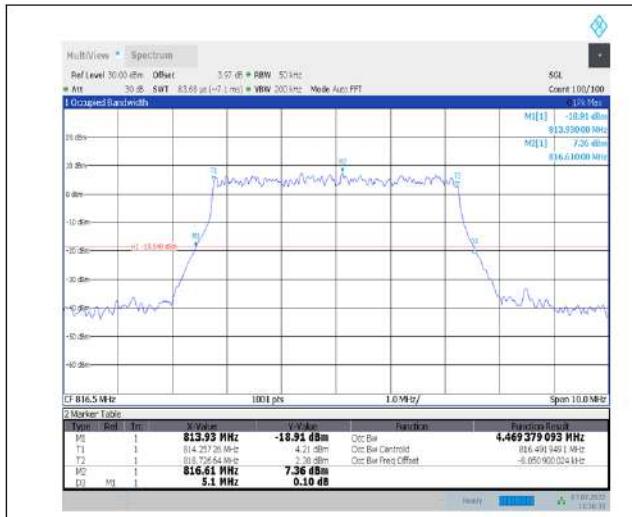
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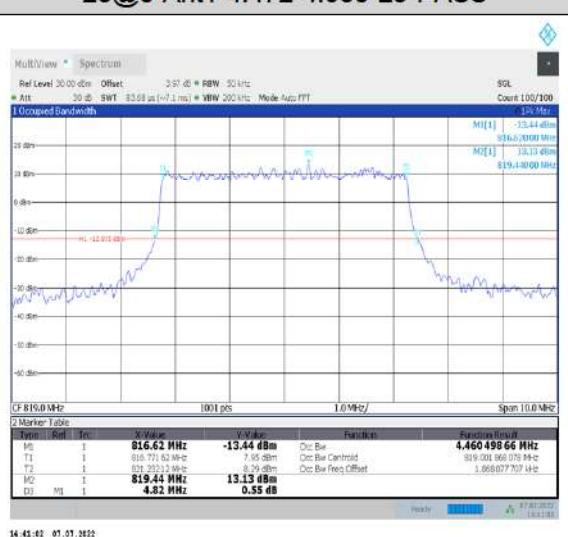


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1-N26-814-824--15-5-L-9-CP-256QAM-Outer\_Full-  
25@0-Ant1-4 469-5 100-<5-PASS

1-N26-814-824--15-5-M-1-DFT-QPSK-Outer\_Full-  
25@0-Ant1-4 472-4 980-<5-PASS



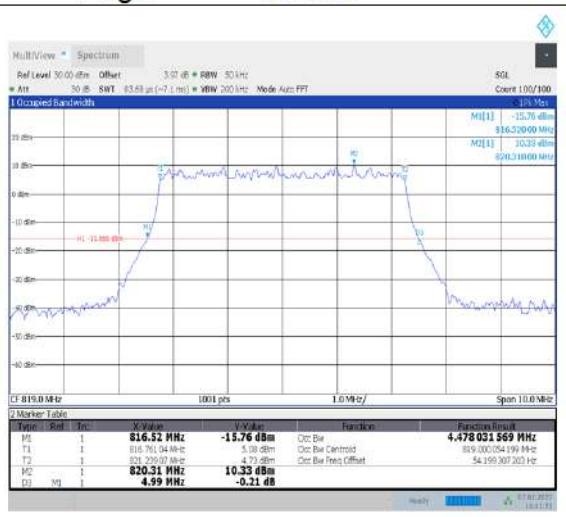
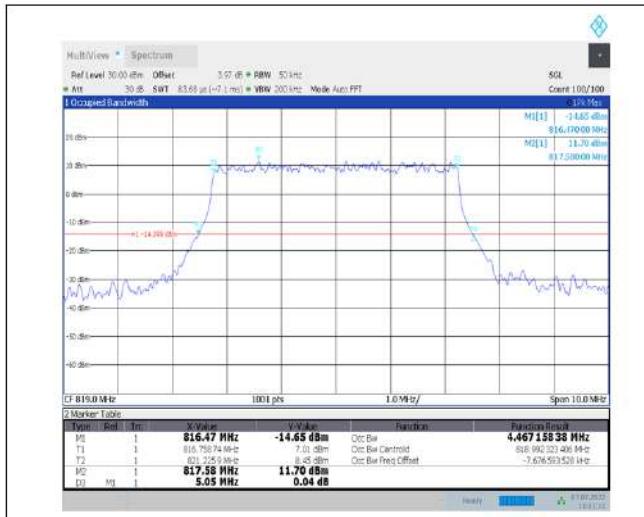
1-N26-814-824--15-5-M-2-DFT-PI2BPSK-Outer\_Full-  
25@0-Ant1-4.466-5.120-≤5-PASS

1-N26-814-824--15-5-M-3-DFT-16QAM-Outer\_Full-  
25@0-Ant1-4.46-4.820-≤5-PASS

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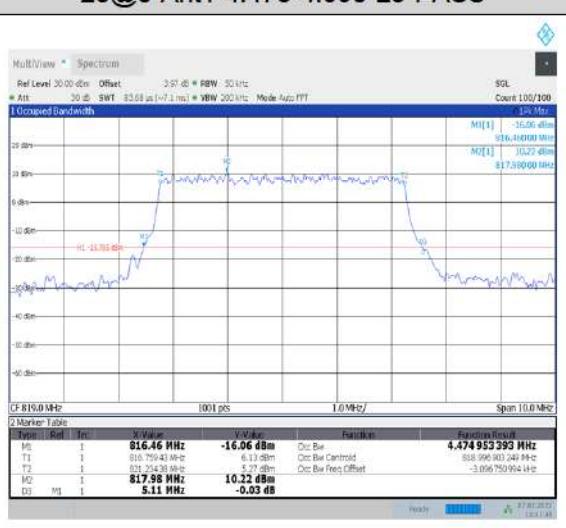
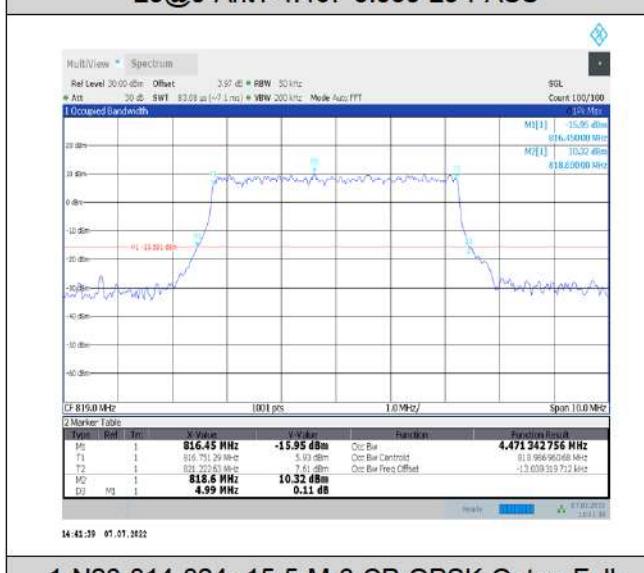


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25@0-Ant1-4 467-5 050-<5-PASS

1-N26-814-824--15-5-M-5-DFT-256QAM-Outer\_Full-  
25@0-Ant1-4 478-4 990-<5-PASS



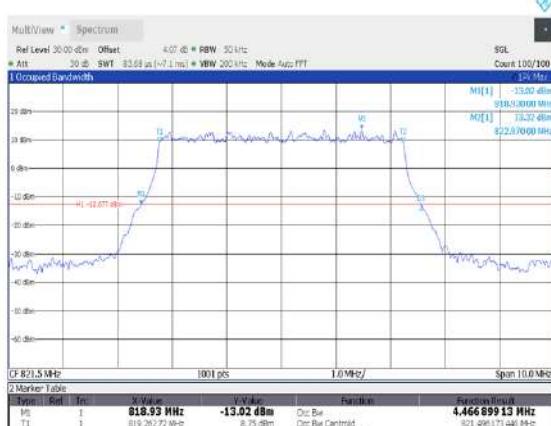
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25@0-Ant1-4.471-4.990-<5-PASS

1-N26-814-824--15-5-M-7-CP-16QAM-Outer\_Full-  
25@0-Ant1-4 475-5 110-<5-PASS

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 <p>Ref Level 30.00 dBm Offset 4.07 dB = RBW 50 kHz    Ant 30 dB SWT 83.68 μs (-7.1 ms) = VBW 200 kHz Mode Auto FFT</p> <p>1 Occupied Bandwidth</p> <p>SGL Count 100/100 1% Msc</p> <p>M1[1] -12.70 dBm 818.97 MHz    M2[1] 13.50 dBm 822.1 MHz</p> <p>CF 821.5 MHz 1001 pts 1.0 MHz Span 1.0 MHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Im</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>818.97 MHz</td> <td>-11.78 dBm</td> <td>Osc. Bx</td> <td>4.496 204 937 MHz</td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>819.202 96 MHz</td> <td>7.41 dBm</td> <td>Osc. Bx Centroid</td> <td>819.202 96 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>820.73317 MHz</td> <td>9.10 dBm</td> <td>Osc. Bx Freq Offset</td> <td>-1.493 096453 kHz</td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>822.1 MHz</td> <td>13.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>5.02 MHz</td> <td>0.21 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>14:42:40 01.01.2022</p>	Type	Ref	Im	X-Value	Y-Value	Function	Function Result	M1	1		818.97 MHz	-11.78 dBm	Osc. Bx	4.496 204 937 MHz	T1	1		819.202 96 MHz	7.41 dBm	Osc. Bx Centroid	819.202 96 MHz	T2	1		820.73317 MHz	9.10 dBm	Osc. Bx Freq Offset	-1.493 096453 kHz	M2	1		822.1 MHz	13.50 dBm			D3	M1	1	5.02 MHz	0.21 dB			 <p>Ref Level 30.00 dBm Offset 4.07 dB = RBW 50 kHz    Ant 30 dB SWT 83.68 μs (-7.1 ms) = VBW 200 kHz Mode Auto FFT</p> <p>1 Occupied Bandwidth</p> <p>SGL Count 100/100 1% Msc</p> <p>M1[1] -13.20 dBm 818.93 MHz    M2[1] 13.32 dBm 822.97 MHz</p> <p>CF 821.5 MHz 1001 pts 1.0 MHz Span 1.0 MHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Im</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>818.93 MHz</td> <td>-13.02 dBm</td> <td>Osc. Bx</td> <td>4.466 691 13 MHz</td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>819.202 96 MHz</td> <td>8.75 dBm</td> <td>Osc. Bx Centroid</td> <td>819.202 96 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>821.79545 MHz</td> <td>8.76 dBm</td> <td>Osc. Bx Freq Offset</td> <td>-3.026 5444 kHz</td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>822.97 MHz</td> <td>13.32 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>5.13 MHz</td> <td>0.24 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>14:43:06 01.01.2022</p>	Type	Ref	Im	X-Value	Y-Value	Function	Function Result	M1	1		818.93 MHz	-13.02 dBm	Osc. Bx	4.466 691 13 MHz	T1	1		819.202 96 MHz	8.75 dBm	Osc. Bx Centroid	819.202 96 MHz	T2	1		821.79545 MHz	8.76 dBm	Osc. Bx Freq Offset	-3.026 5444 kHz	M2	1		822.97 MHz	13.32 dBm			D3	M1	1	5.13 MHz	0.24 dB		
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<p>1-N26-814-824--15-5-M-8-CP-64QAM-Outer_Full-    25@0-Ant1-4.48-5.010-≤5-PASS</p>	<p>1-N26-814-824--15-5-M-9-CP-256QAM-Outer_Full-    25@0-Ant1-4.472-5.000-≤5-PASS</p>																																																																																				
<p>1-N26-814-824--15-5-H-1-DFT-QPSK-Outer_Full-    25@0-Ant1-4.496-5.020-≤5-PASS</p>	<p>1-N26-814-824--15-5-H-2-DFT-PI2BPSK-Outer_Full-    25@0-Ant1-4.467-5.130-≤5-PASS</p>																																																																																				

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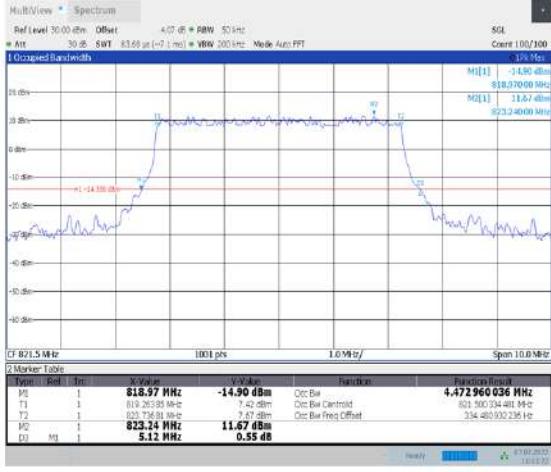
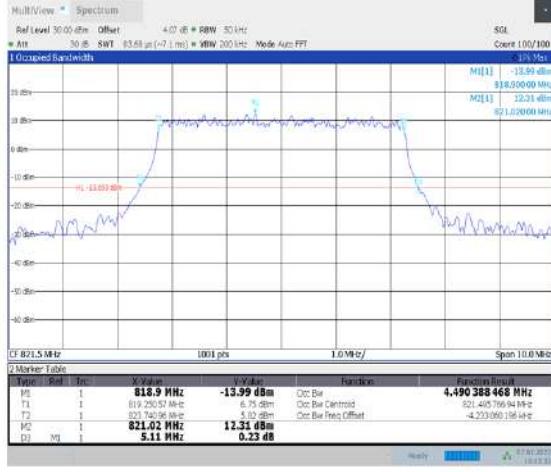
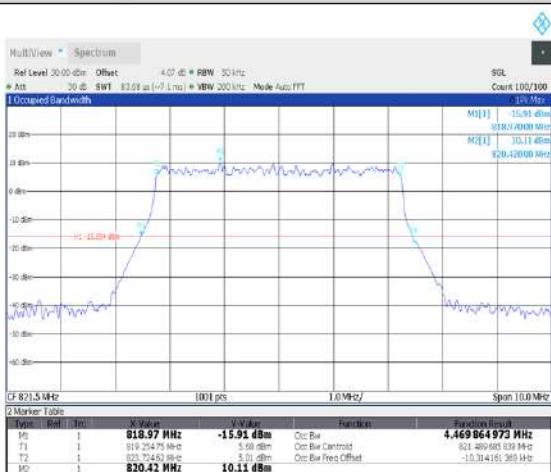
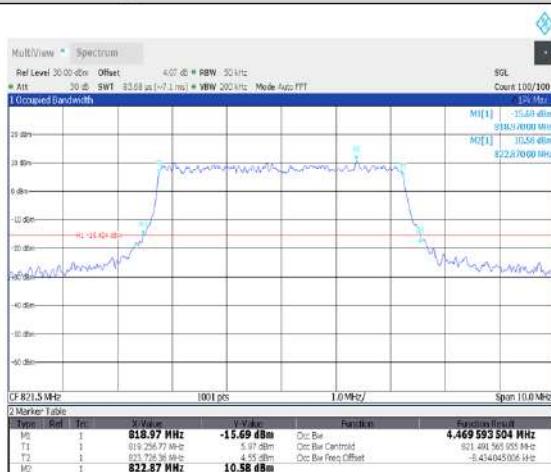
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 <p>Multiview - Spectrum    Ref Level 30.00 dBm Offset -4.07 dB ± RBW 50 kHz    Ant 30 dB SWT 83.68 μs (-7.1 ms) ± VBW 200 kHz Mode Auto FFT    1 Occupied Bandwidth    SGL Count 100/1000    10 dBm    0 dBm    -10 dBm    -20 dBm    -30 dBm    -40 dBm    -50 dBm    -60 dBm    CF 821.5 MHz 1001 pts 1.0 MHz/seg Span 10.0 MHz    2 Marker Table    Type Ref. fm X-Value Y-Value Function Function Result    M1 1 818.00 MHz -14.90 dBm Osc. Bch 4.472 960 036 MHz    T1 1 812.2500 MHz 5.00 dBm Osc. Bch Centroid 821.300 036 MHz    T2 1 823.2400 MHz 7.47 dBm Osc. Bch Freq Offset 823.400 036 MHz    M2 1 823.24 MHz 11.67 dBm    D3 M3 1 5.12 MHz 0.55 dB</p>	 <p>Multiview - Spectrum    Ref Level 30.00 dBm Offset -4.07 dB ± RBW 50 kHz    Ant 30 dB SWT 83.68 μs (-7.1 ms) ± VBW 200 kHz Mode Auto FFT    1 Occupied Bandwidth    SGL Count 100/1000    10 dBm    0 dBm    -10 dBm    -20 dBm    -30 dBm    -40 dBm    -50 dBm    -60 dBm    CF 821.5 MHz 1001 pts 1.0 MHz/seg Span 10.0 MHz    2 Marker Table    Type Ref. fm X-Value Y-Value Function Function Result    M1 1 818.97 MHz -13.99 dBm Osc. Bch 4.490 388 466 MHz    T1 1 819.2600 MHz 5.75 dBm Osc. Bch Centroid 820.460 036 MHz    T2 1 821.0200 MHz 6.00 dBm Osc. Bch Freq Offset 822.020 036 MHz    M2 1 821.02 MHz 12.31 dBm    D3 M3 1 5.11 MHz 0.23 dB</p>
<p>1-N26-814-824--15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.473-5.120-≤5-PASS</p>  <p>Multiview - Spectrum    Ref Level 30.00 dBm Offset -4.07 dB ± RBW 50 kHz    Ant 30 dB SWT 83.68 μs (-7.1 ms) ± VBW 200 kHz Mode Auto FFT    1 Occupied Bandwidth    SGL Count 100/1000    10 dBm    0 dBm    -10 dBm    -20 dBm    -30 dBm    -40 dBm    -50 dBm    CF 821.5 MHz 1001 pts 1.0 MHz/seg Span 10.0 MHz    2 Marker Table    Type Ref. fm X-Value Y-Value Function Function Result    M1 1 818.97 MHz -15.91 dBm Osc. Bch 4.469 844 973 MHz    T1 1 819.2600 MHz 5.00 dBm Osc. Bch Centroid 821.490 035 MHz    T2 1 820.4200 MHz 5.01 dBm Osc. Bch Freq Offset -10.341 035 MHz    M2 1 820.42 MHz 10.11 dBm    D3 M3 1 4.99 MHz -0.04 dB</p>	<p>1-N26-814-824--15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.49-5.110-≤5-PASS</p>  <p>Multiview - Spectrum    Ref Level 30.00 dBm Offset -4.07 dB ± RBW 50 kHz    Ant 30 dB SWT 83.68 μs (-7.1 ms) ± VBW 200 kHz Mode Auto FFT    1 Occupied Bandwidth    SGL Count 100/1000    10 dBm    0 dBm    -10 dBm    -20 dBm    -30 dBm    -40 dBm    -50 dBm    CF 821.5 MHz 1001 pts 1.0 MHz/seg Span 10.0 MHz    2 Marker Table    Type Ref. fm X-Value Y-Value Function Function Result    M1 1 818.97 MHz -15.99 dBm Osc. Bch 4.469 593 504 MHz    T1 1 819.2600 MHz 5.07 dBm Osc. Bch Centroid 820.490 035 MHz    T2 1 822.8700 MHz 4.55 dBm Osc. Bch Freq Offset -8.414 045 035 MHz    M2 1 822.87 MHz 10.58 dBm    D3 M3 1 5.07 MHz -0.11 dB</p>
<p>1-N26-814-824--15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.47-4.990-≤5-PASS</p>	<p>1-N26-814-824--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.47-5.070-≤5-PASS</p>

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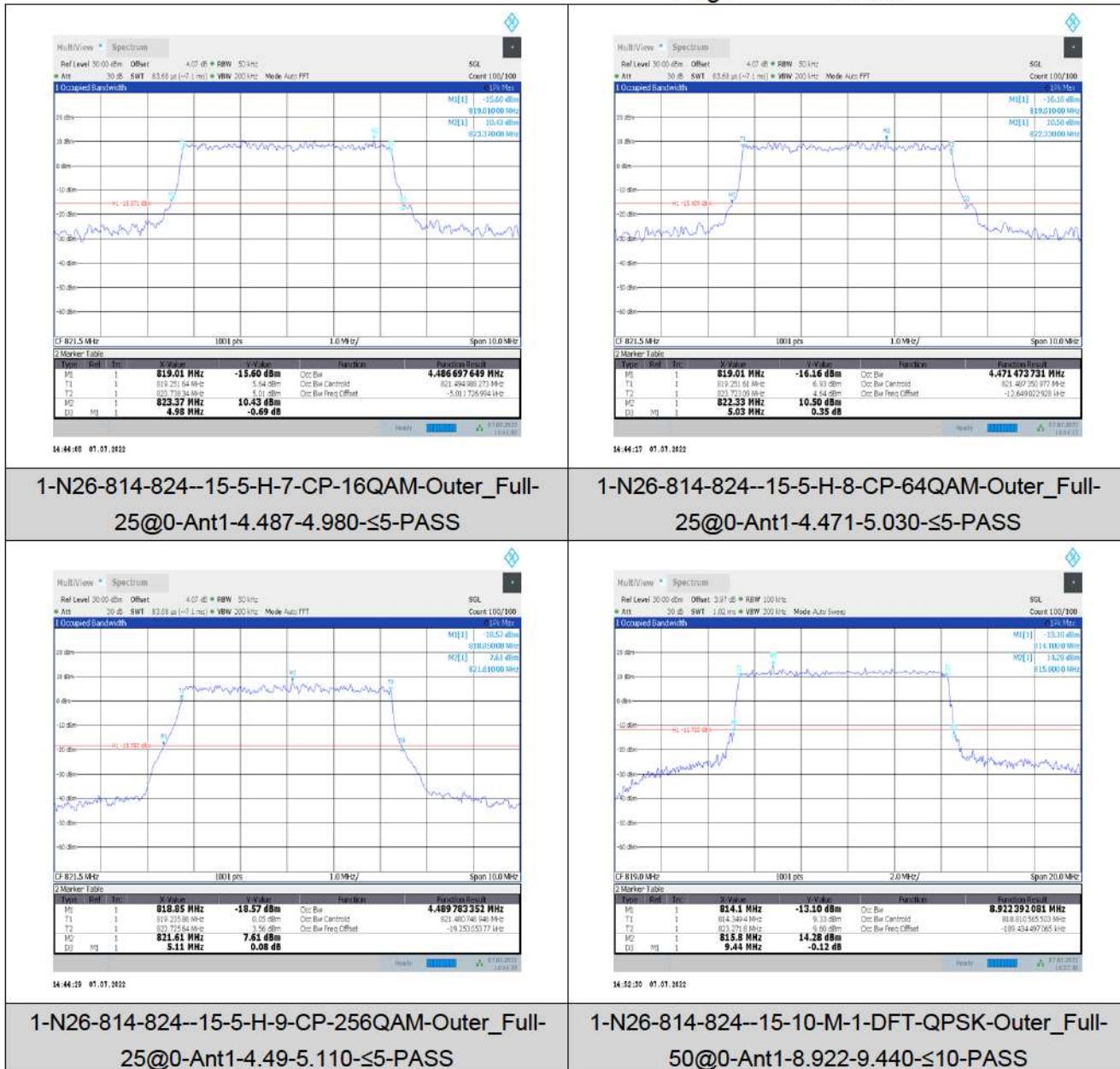


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<p>1-N26-814-824--15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.953-9.680-≤10-PASS</p>	<p>1-N26-814-824--15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.905-9.800-≤10-PASS</p>
<p>1-N26-814-824--15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.905-9.520-≤10-PASS</p>	<p>1-N26-814-824--15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.928-9.540-≤10-PASS</p>

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<p>Multiview - Spectrum    Ref Level 30.00 dBm Offset 3.97 dB BW 100 kHz    Ant 30 dB SWT 1.02 ms VBW 300 kHz Mode Auto Sweep    1 Occupied Bandwidth</p> <p>SGL Count 100/100 1/s/Ms</p> <p>M1[1] -18.02 dBm 813.580 MHz    M2[1] -10.87 dBm 822.120 MHz    M3[1] 1.48 dB 10.020 MHz</p> <p>CF 819.0 MHz 1001 pts 2.0 MHz/Span 20.0 MHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Im</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>813.58 MHz</td> <td>-18.02 dBm</td> <td>Osc. Bx</td> <td>9.253 648 59 MHz</td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>814.381 MHz</td> <td>6.55 dBm</td> <td>Osc. Bx Centroid</td> <td>814.381 715 kHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>823.6251 MHz</td> <td>6.55 dBm</td> <td>Osc. Bx Freq Offset</td> <td>-1.677 7735 kHz</td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>822.12 MHz</td> <td>10.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>avg</td> <td>1</td> <td>10.02 MHz</td> <td>1.48 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>14:53:55 01.01.2022</p>	Type	Ref	Im	X-Value	Y-Value	Function	Function Result	M1	1		813.58 MHz	-18.02 dBm	Osc. Bx	9.253 648 59 MHz	T1	1		814.381 MHz	6.55 dBm	Osc. Bx Centroid	814.381 715 kHz	T2	1		823.6251 MHz	6.55 dBm	Osc. Bx Freq Offset	-1.677 7735 kHz	M2	1		822.12 MHz	10.87 dBm			D3	avg	1	10.02 MHz	1.48 dB			<p>Multiview - Spectrum    Ref Level 30.00 dBm Offset 3.97 dB BW 100 kHz    Ant 30 dB SWT 1.02 ms VBW 300 kHz Mode Auto Sweep    1 Occupied Bandwidth</p> <p>SGL Count 100/100 1/s/Ms</p> <p>M1[1] -15.09 dBm 814.060 0 MHz    M2[1] -11.22 dBm 817.120 MHz    M3[1] 0.00 dB 10.060 MHz</p> <p>CF 819.0 MHz 1001 pts 2.0 MHz/Span 20.0 MHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Im</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>814.05 MHz</td> <td>-15.09 dBm</td> <td>Osc. Bx</td> <td>9.291 761 596 MHz</td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>814.391 MHz</td> <td>7.15 dBm</td> <td>Osc. Bx Centroid</td> <td>814.391 753 kHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>823.6251 MHz</td> <td>7.15 dBm</td> <td>Osc. Bx Freq Offset</td> <td>-1.678 740 80 kHz</td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>817.12 MHz</td> <td>11.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>avg</td> <td>1</td> <td>10.06 MHz</td> <td>-1.98 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>14:53:44 01.01.2022</p>	Type	Ref	Im	X-Value	Y-Value	Function	Function Result	M1	1		814.05 MHz	-15.09 dBm	Osc. Bx	9.291 761 596 MHz	T1	1		814.391 MHz	7.15 dBm	Osc. Bx Centroid	814.391 753 kHz	T2	1		823.6251 MHz	7.15 dBm	Osc. Bx Freq Offset	-1.678 740 80 kHz	M2	1		817.12 MHz	11.22 dBm			D3	avg	1	10.06 MHz	-1.98 dB		
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<p><b>1-N26-814-824--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.254-10.020-≤10-PASS</b></p>	<p><b>1-N26-814-824--15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.293-10.060-≤10-PASS</b></p>																																																																																				

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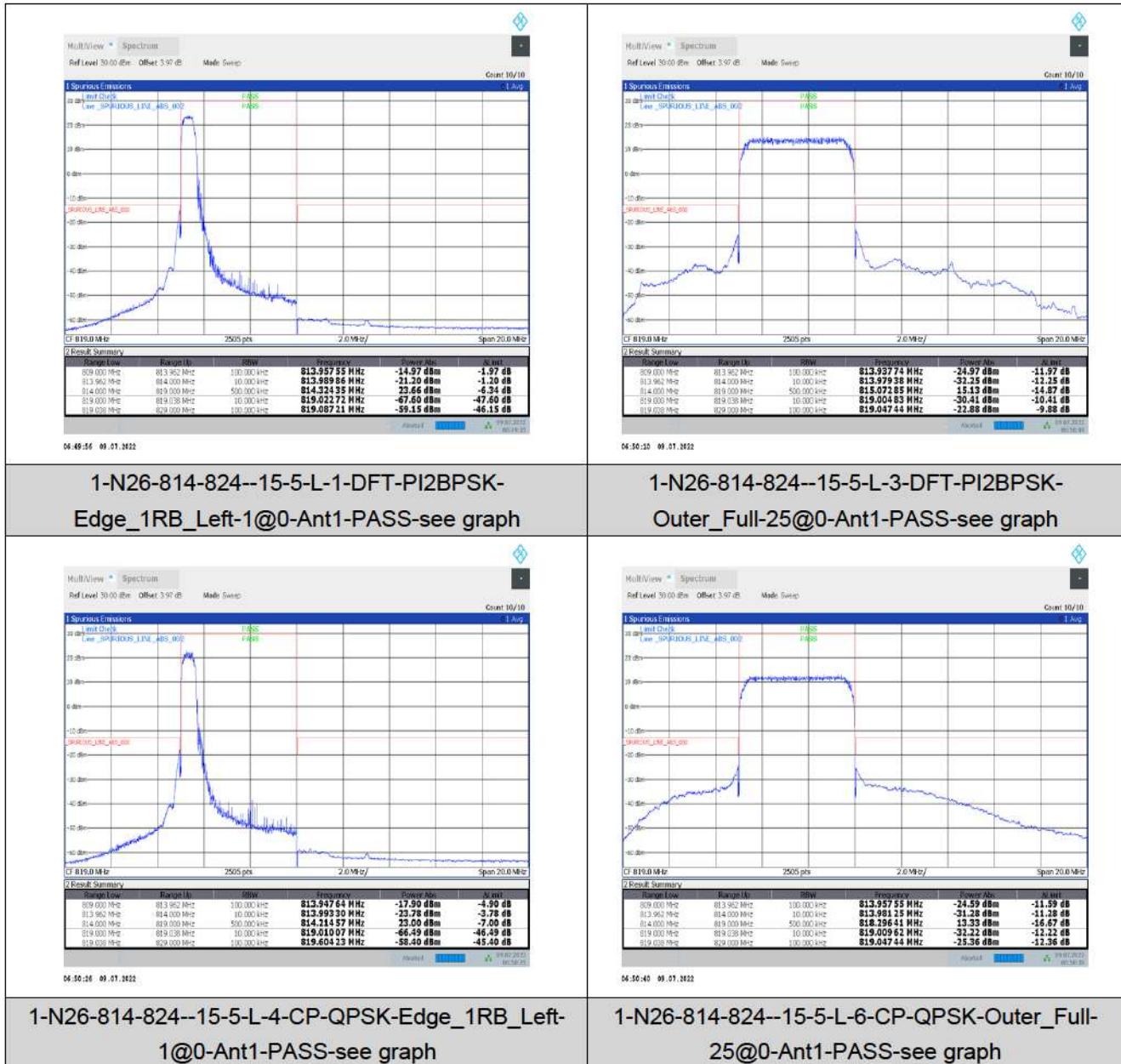
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## Band Edge for SA

### Test Graphs



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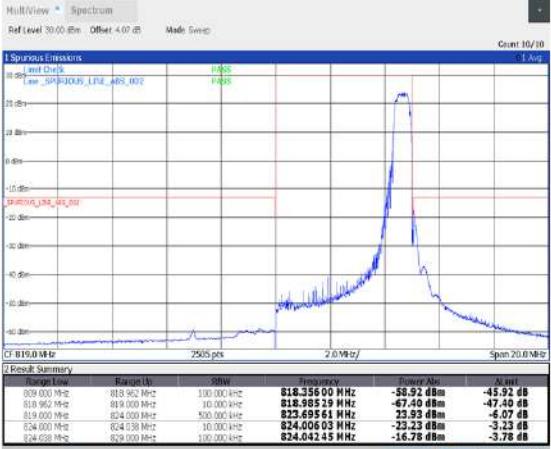
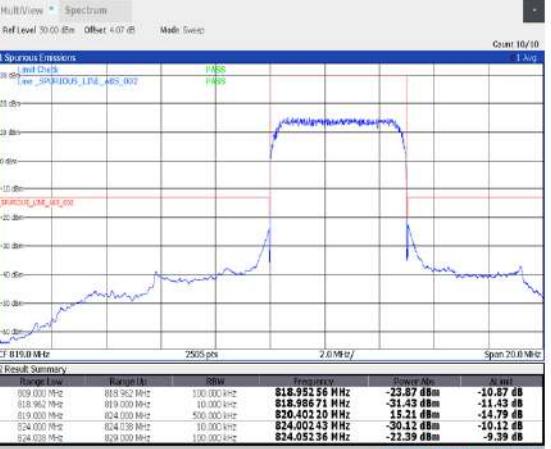
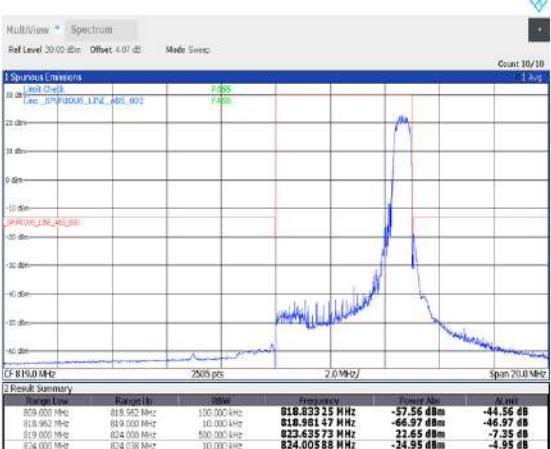
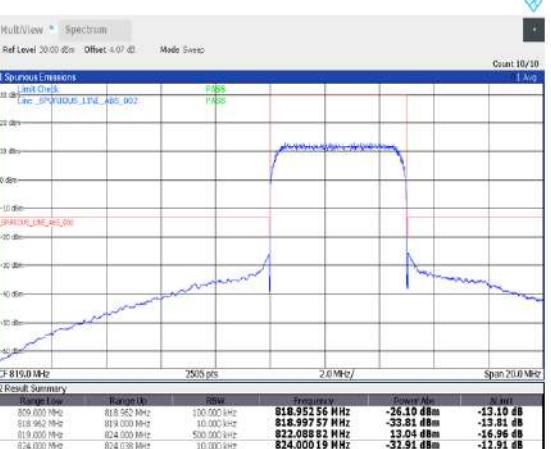


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 <p>1-N26-814-824--15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-PASS-see graph</p>	 <p>1-N26-814-824--15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-PASS-see graph</p>
 <p>1-N26-814-824--15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-PASS-see graph</p>	 <p>1-N26-814-824--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-PASS-see graph</p>

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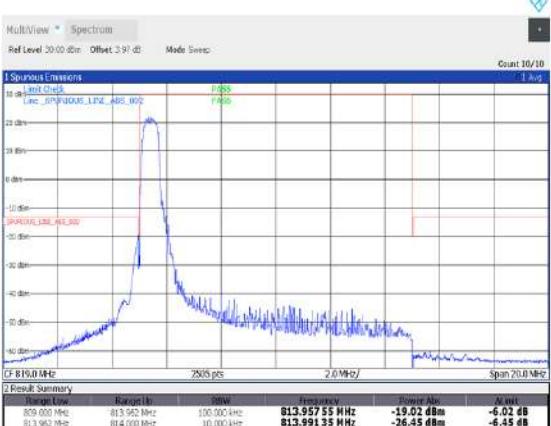
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 <p>1-N26-814-824--15-10-M-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph</p>	 <p>1-N26-814-824--15-10-M-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph</p>
 <p>1-N26-814-824--15-10-M-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph</p>	 <p>1-N26-814-824--15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph</p>

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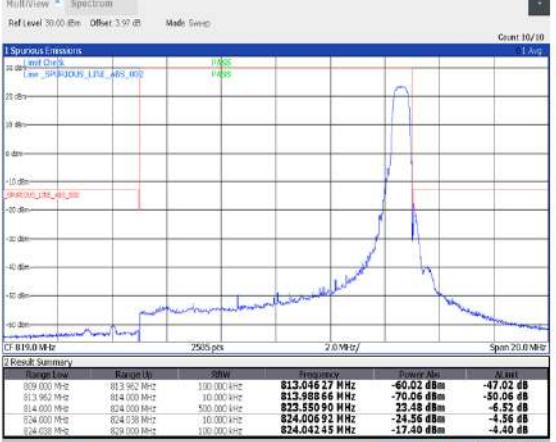
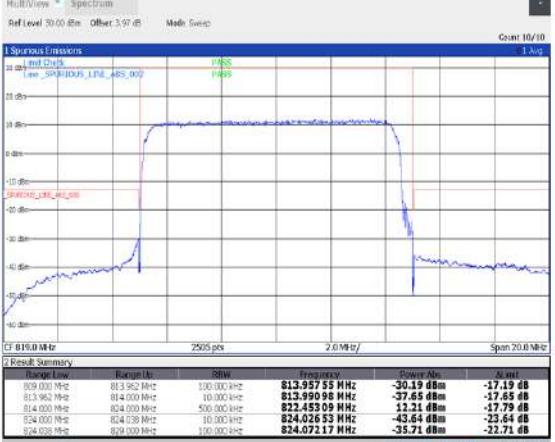
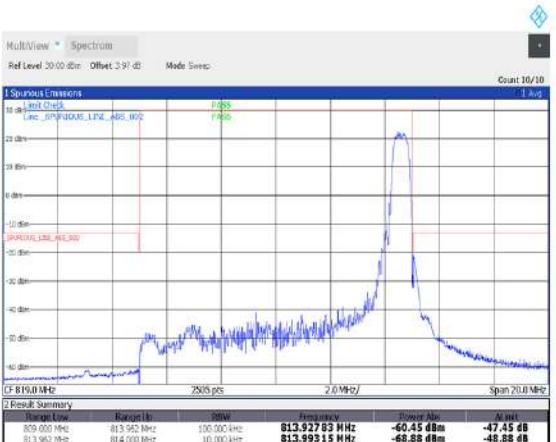
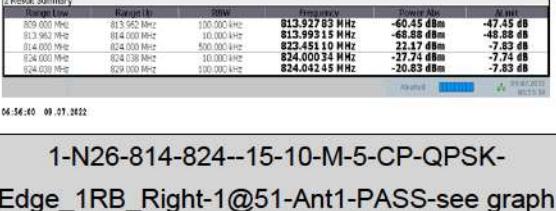
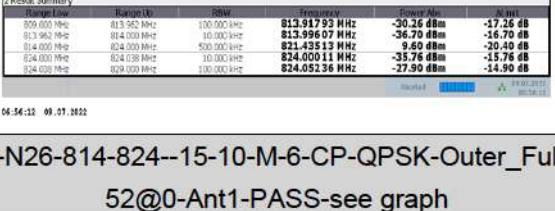


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## Conducted Spurious Emission for SA

### Test Graphs

<p>1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-0.009-0.15-Ant1--89.91--33- PASS</p>	<p>1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-0.15-30-Ant1--84.18--23-PASS</p>
<p>1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-30-1000-Ant1--59.96--13- PASS</p>	<p>1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-1000-3000-Ant1--47.53--13- PASS</p>

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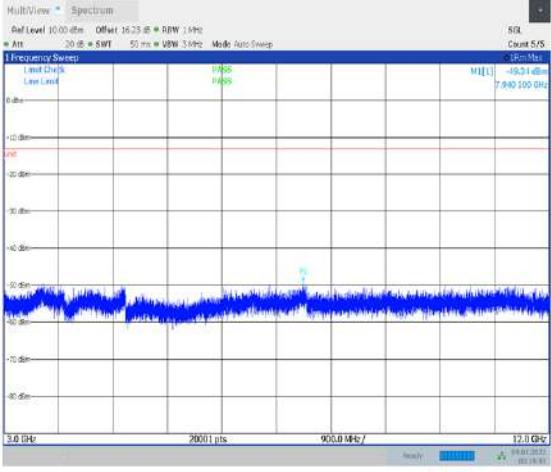
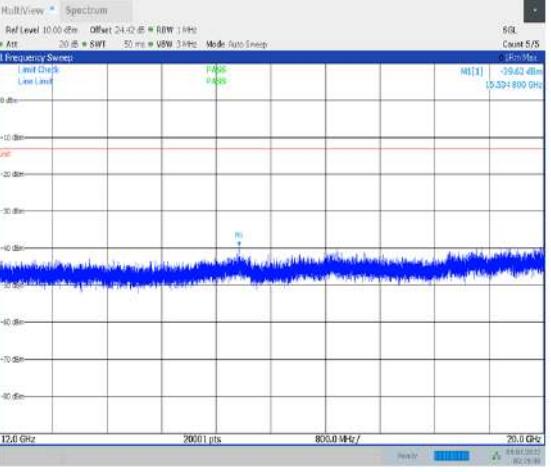
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1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-3000-12000-Ant1--49.34--13- PASS	1-N26-814-824-PC3-15-10-M-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-12000-20000-Ant1--39.62--13- PASS

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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 [dB $\mu$ V]	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 [dB $\mu$ V]	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	SC S	Bandwidt h	Modulation	Channe l	RB Config	Voltag e	Temperatur e	Deviation (Hz)	Deviation (ppm)	Verdic t
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	- 1.800000	- 0.002198	PAS S
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.400000	0.001709	PAS S
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	- 0.800000	- 0.000977	PAS S
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VH	NT	4.800000	0.005861	PAS S
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VN	NT	2.100000	0.002564	PAS S
N26-814-824	15	10	CP-QPSK	M	Outer_Full	VL	NT	- 0.300000	- 0.000366	PAS S

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### Frequency Error VS. Temperature

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	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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