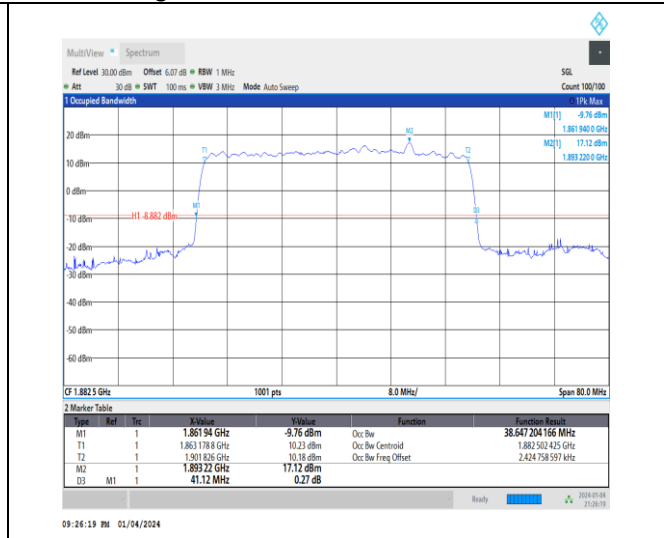
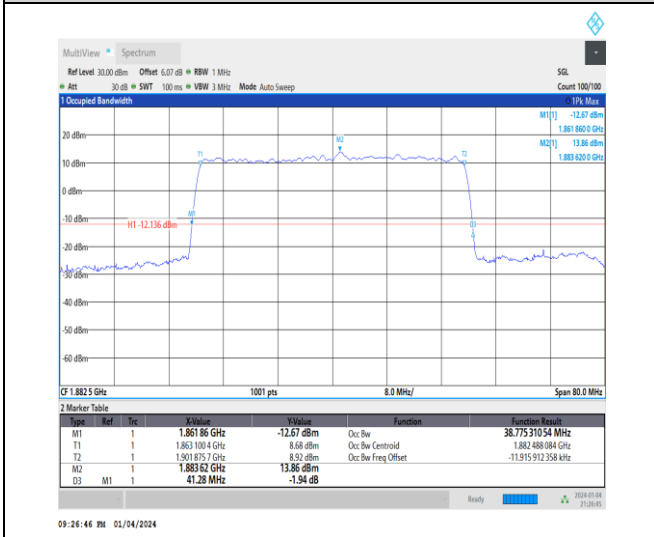


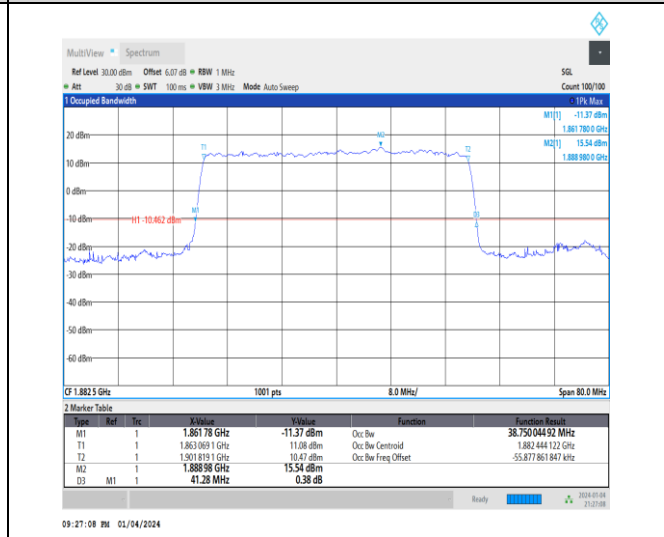
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nt1-38.723-41.360-≤40-PASS



1-N25-15-40-M-4-DFT-64QAM-Outer\_Full-216@0-A  
nt1-38.647-41.120-≤40-PASS



1-N25-15-40-M-5-DFT-256QAM-Outer\_Full-216@0-A  
Ant1-38.775-41.280-≤40-PASS



1-N25-15-40-M-6-CP-QPSK-Outer\_Full-216@0-Ant1  
-38.75-41.280-≤40-PASS

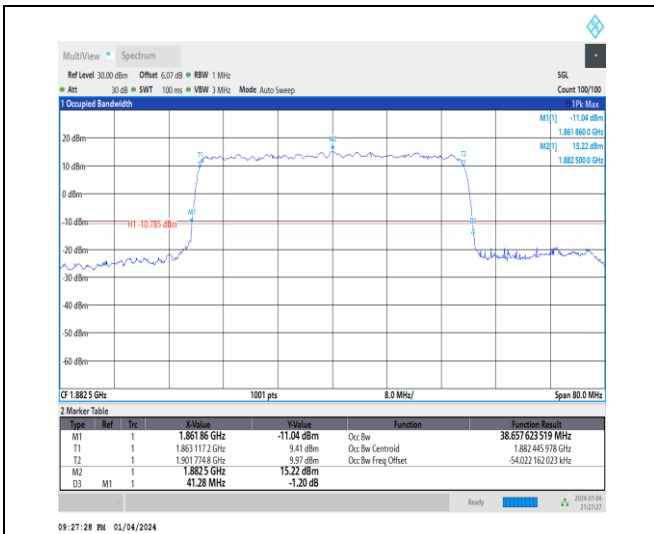


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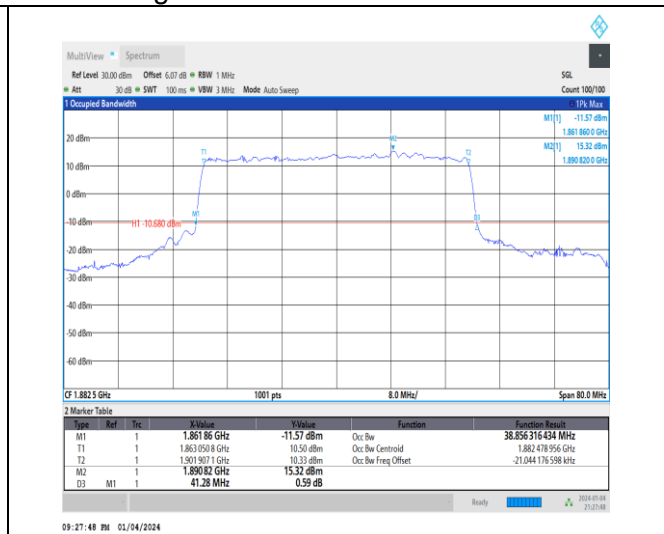
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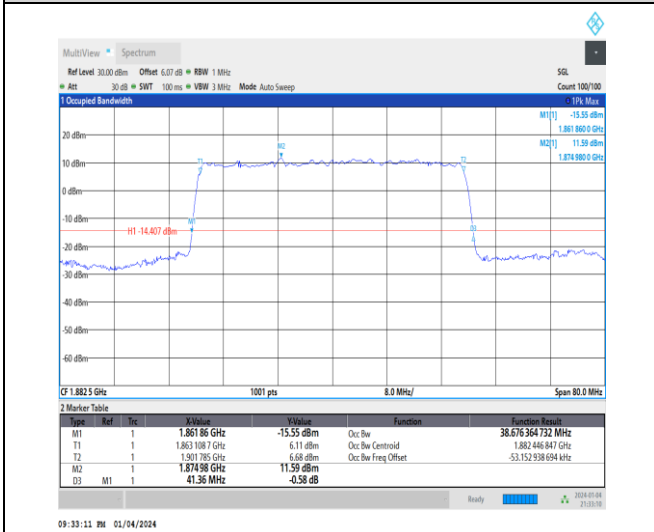
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1-N25-15-40-M-7-CP-16QAM-Outer\_Full-216@0-Ant  
1-38.658-41.280-≤40-PASS



1-N25-15-40-M-8-CP-64QAM-Outer\_Full-216@0-Ant  
1-38.856-41.280-≤40-PASS



1-N25-15-40-M-9-CP-256QAM-Outer\_Full-216@0-Ant  
nt1-38.676-41.360-≤40-PASS



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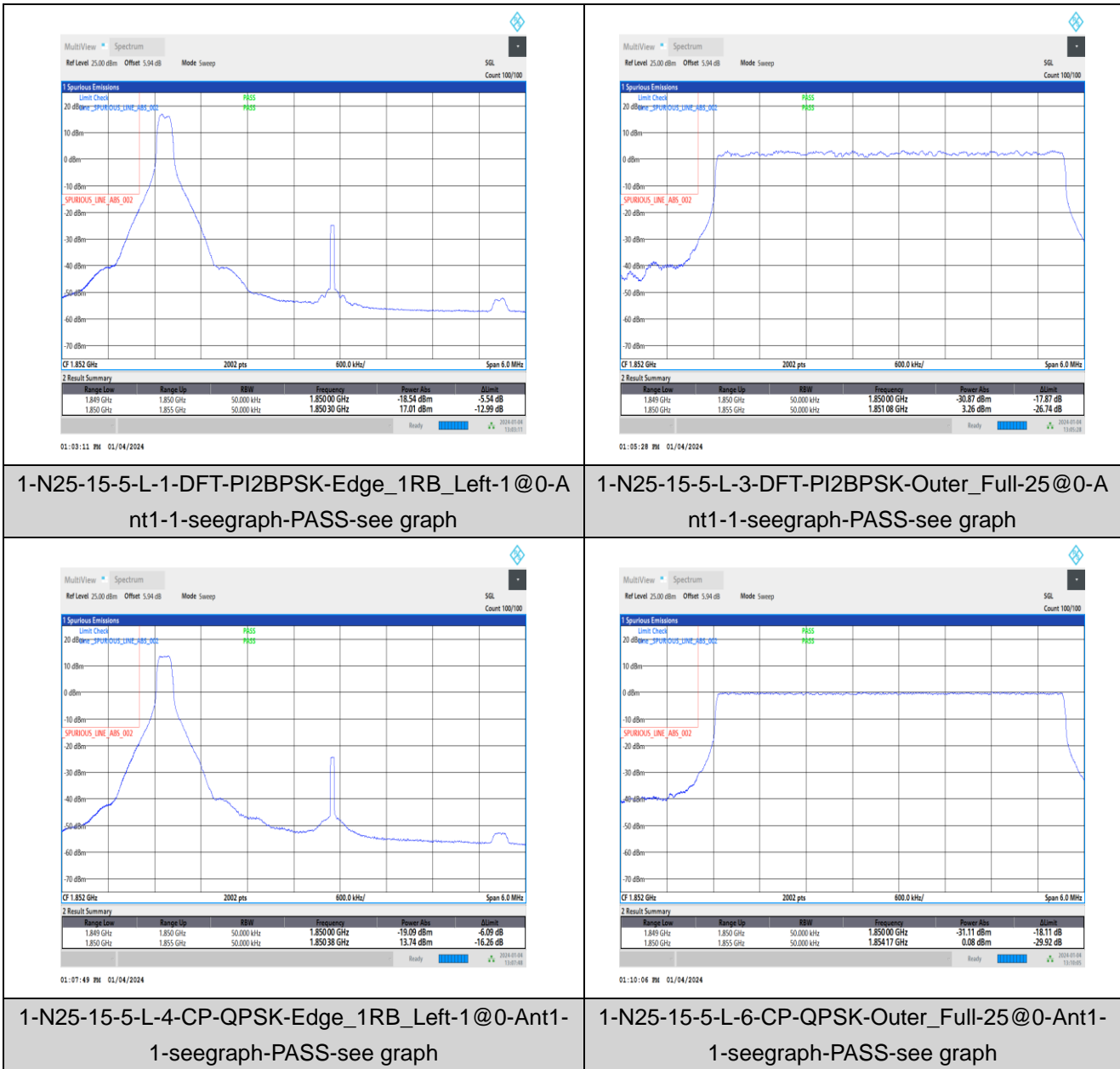
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## Band Edge for SA

### Test Graphs



1-N25-15-5-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-A  
 nt1-1-seegraph-PASS-see graph

1-N25-15-5-L-3-DFT-PI2BPSK-Outer\_Full-25@0-A  
 nt1-1-seegraph-PASS-see graph

1-N25-15-5-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-  
 1-seegraph-PASS-see graph

1-N25-15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant1-  
 1-seegraph-PASS-see graph

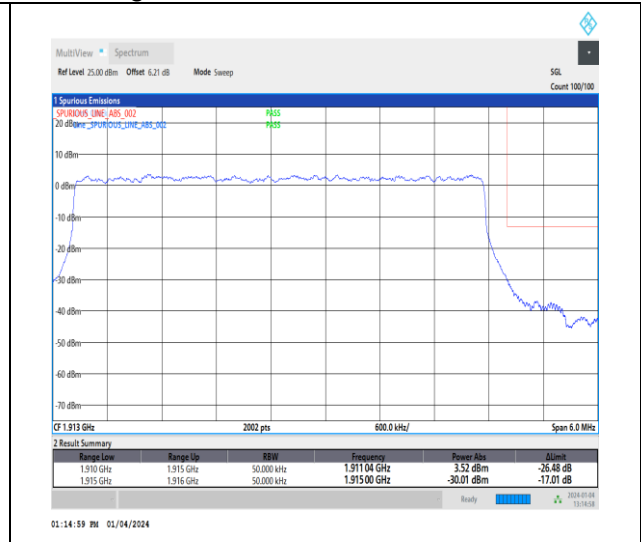
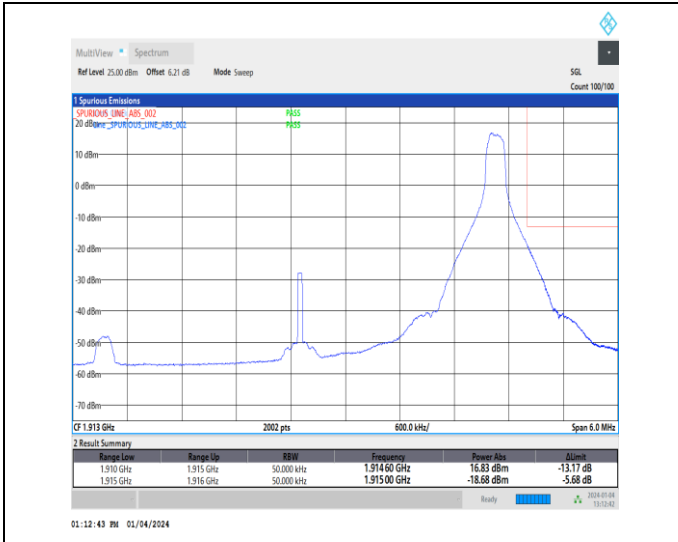


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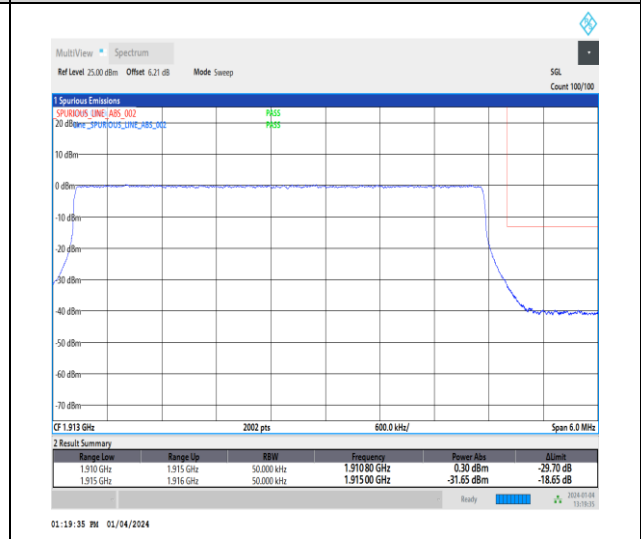
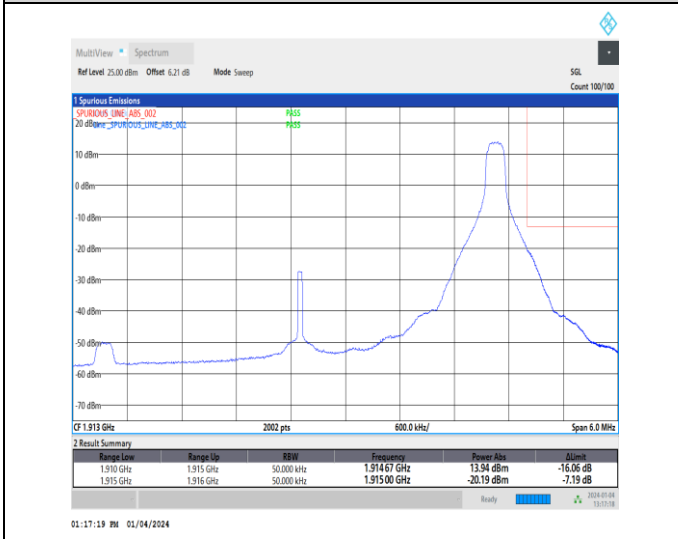
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1-N25-15-5-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@2-4-Ant1-1-seegraph-PASS-see graph

1-N25-15-5-H-3-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@24-Ant1-1-seegraph-PASS-see graph

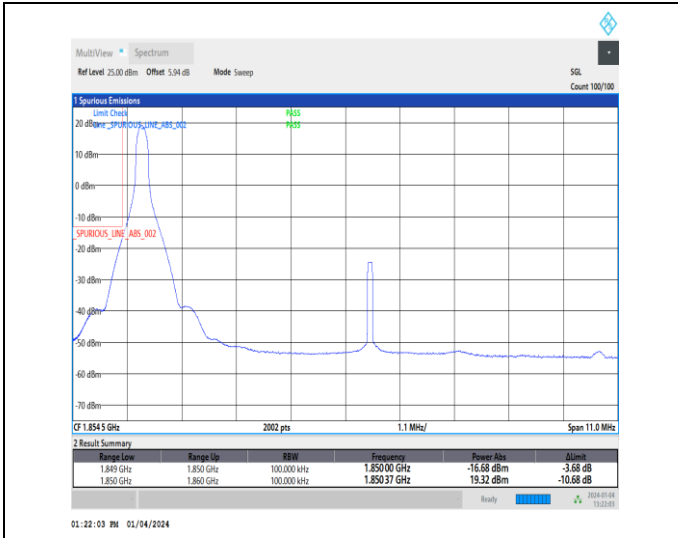
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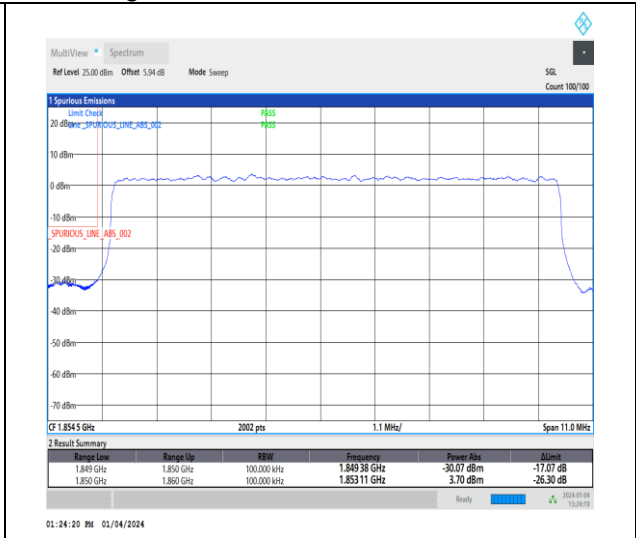
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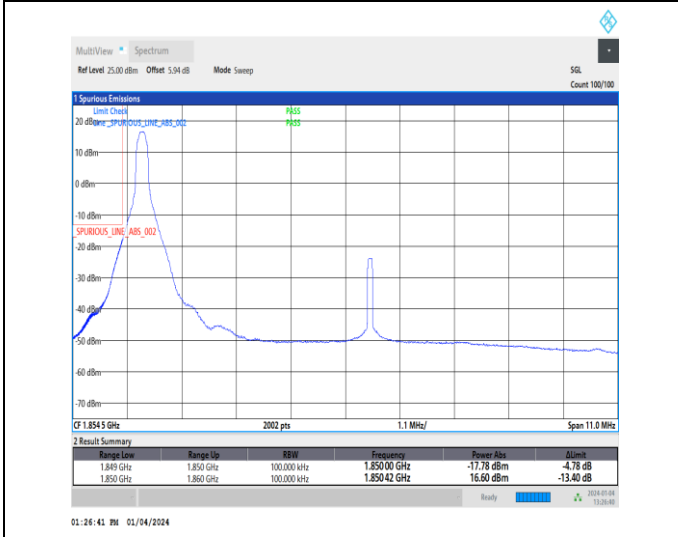
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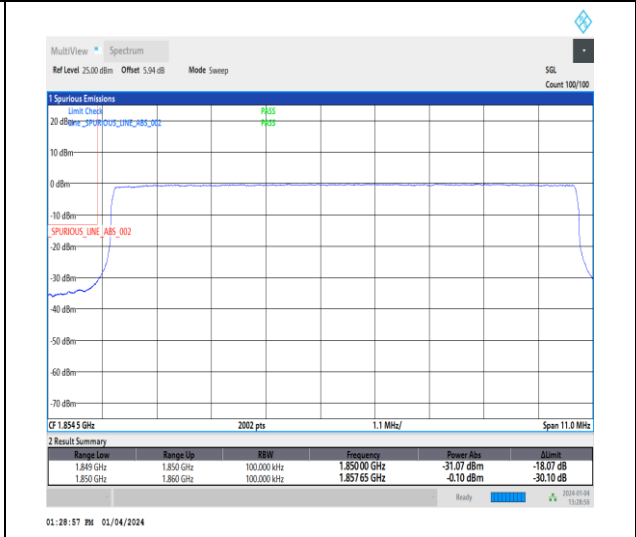
1-N25-15-10-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-10-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-10-L-6-CP-QPSK-Outer\_Full-52@0-Ant1-1-seegraph-PASS-see graph



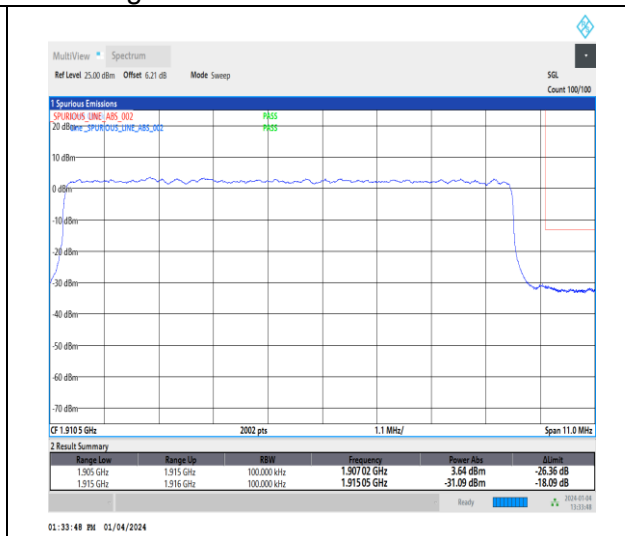
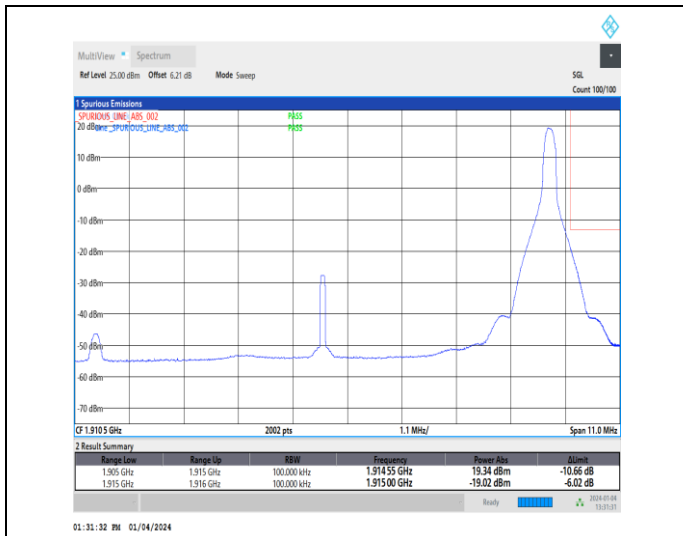
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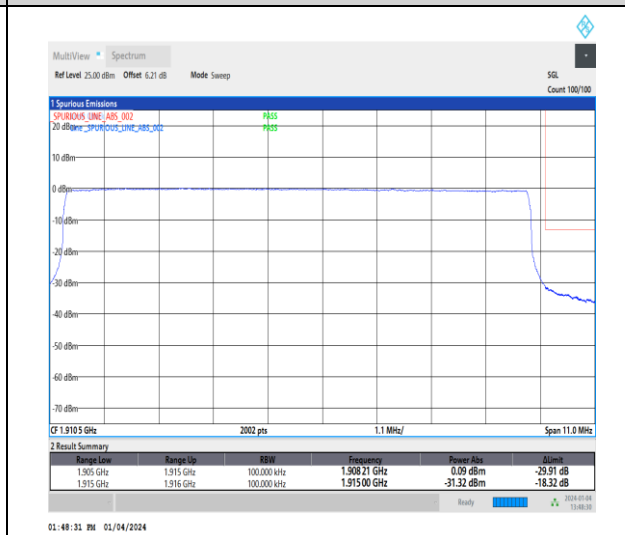
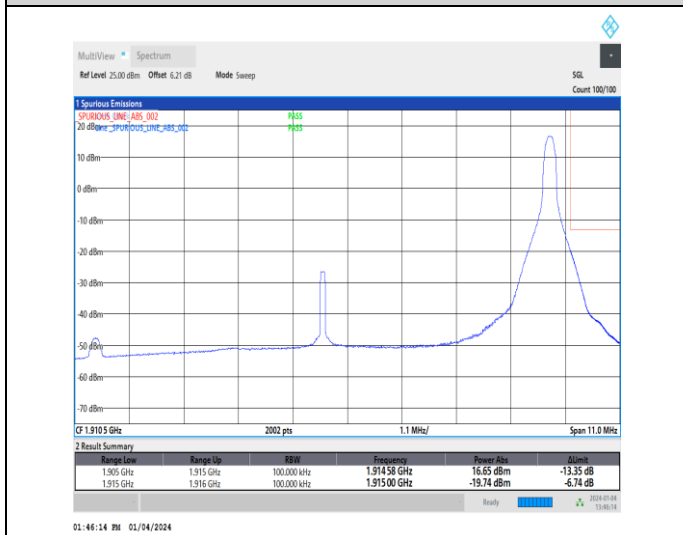
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1-N25-15-10-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1-seegraph-PASS-see graph



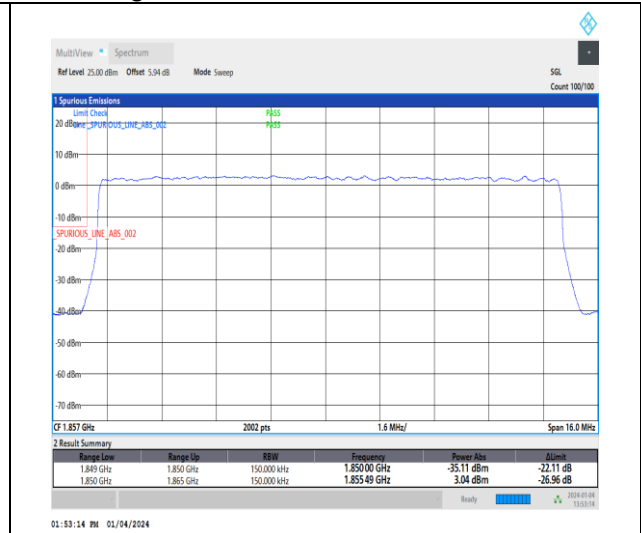
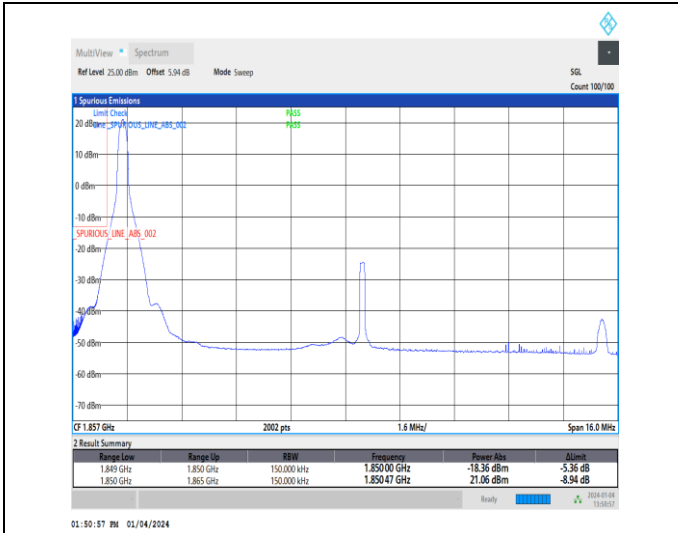
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1-N25-15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1-1-seegraph-PASS-see graph



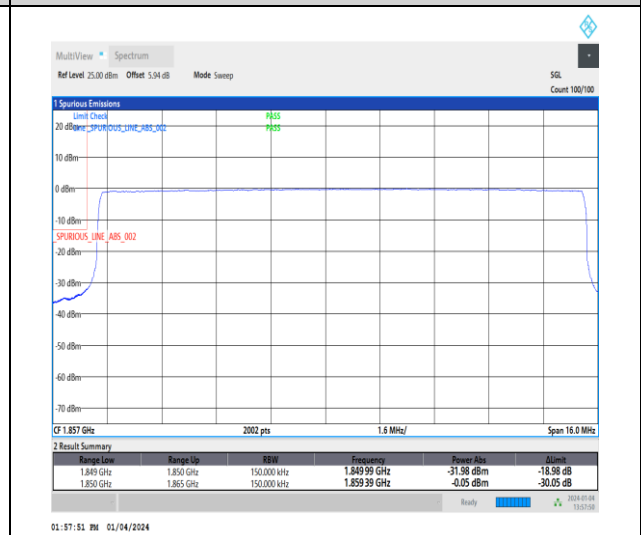
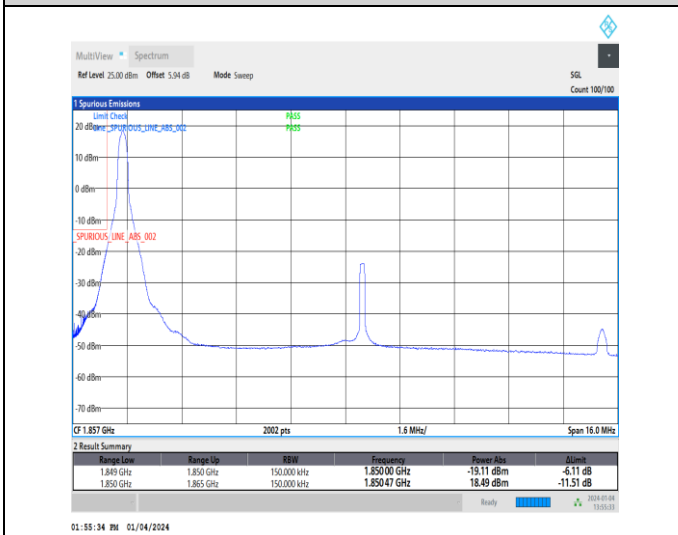
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1-N25-15-15-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-15-15-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-1-seegraph-PASS-see graph



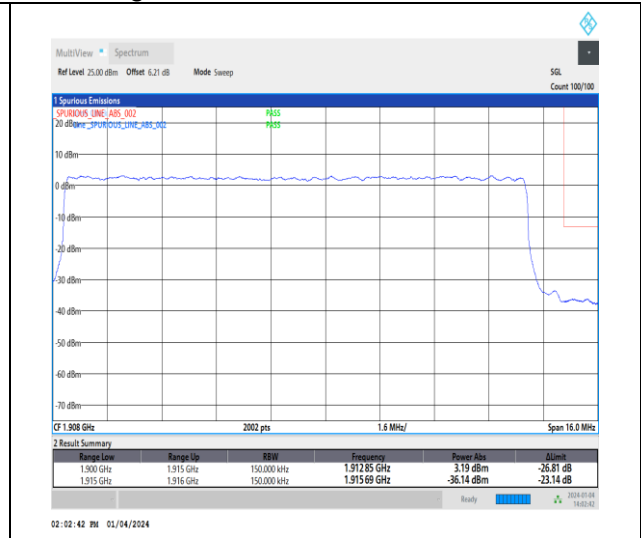
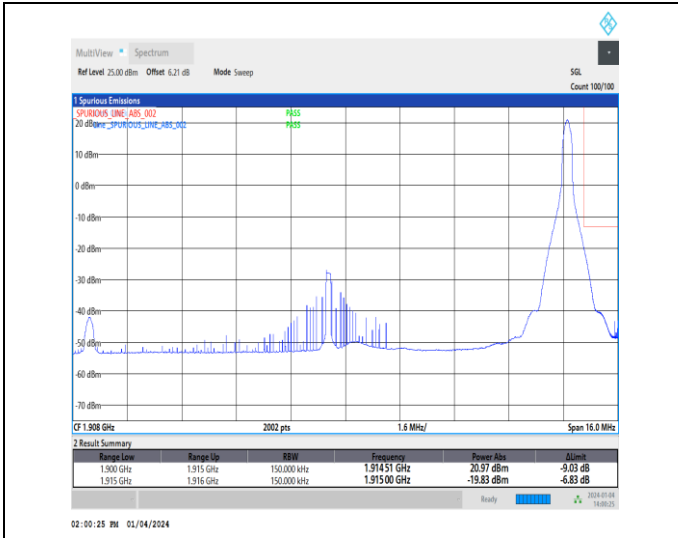
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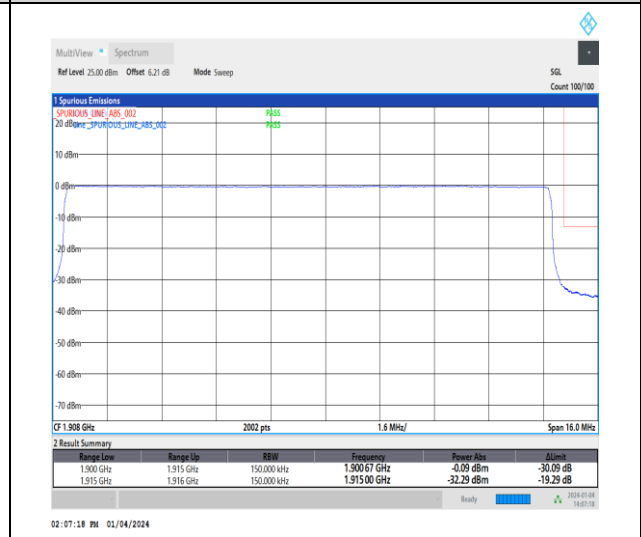
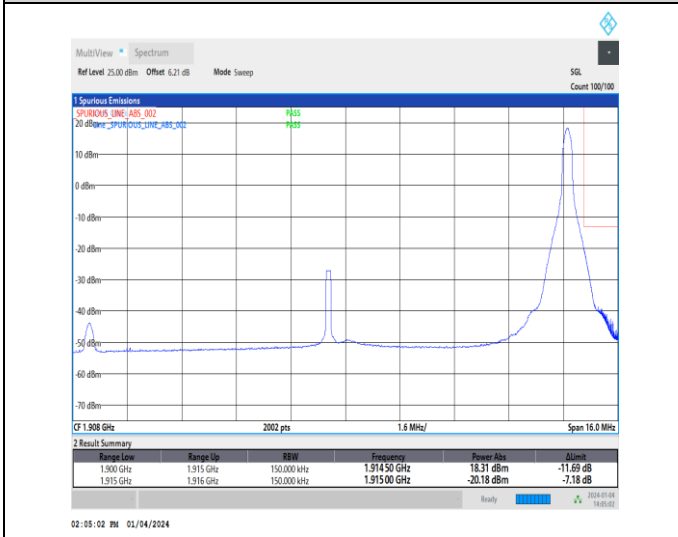
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1-N25-15-15-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@78-Ant1-1-seegraph-PASS-see graph

1-N25-15-15-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-15-H-5-CP-QPSK-Edge\_1RB\_Right-1@78-Ant1-1-seegraph-PASS-see graph

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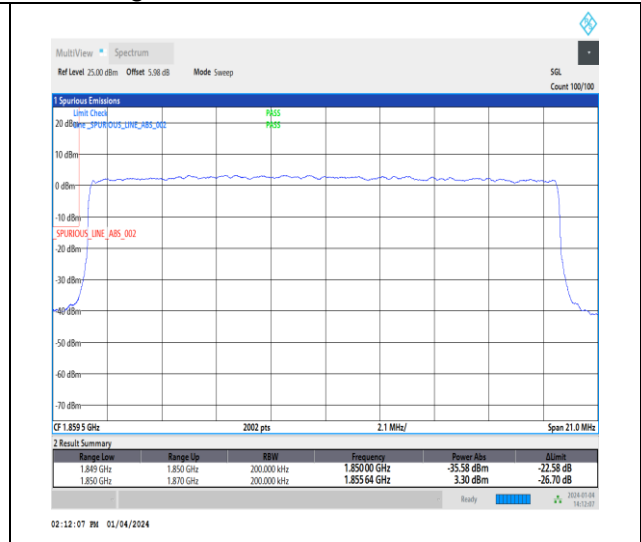
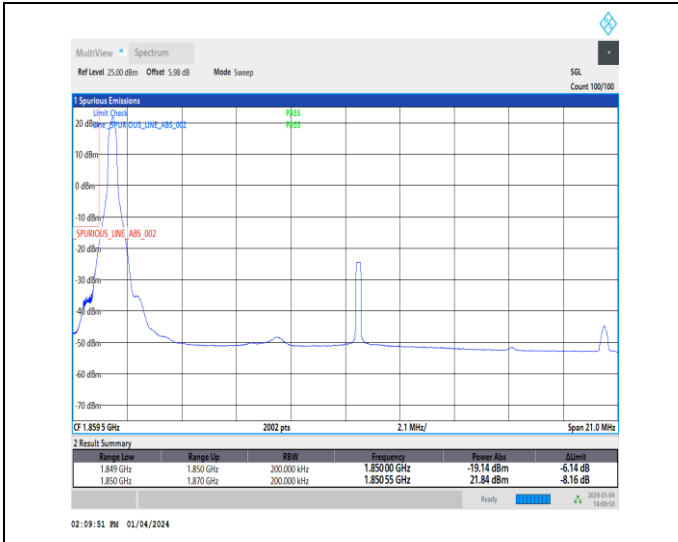


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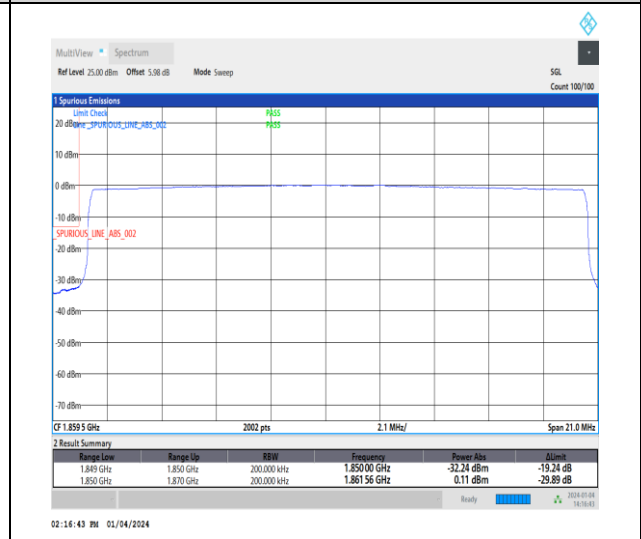
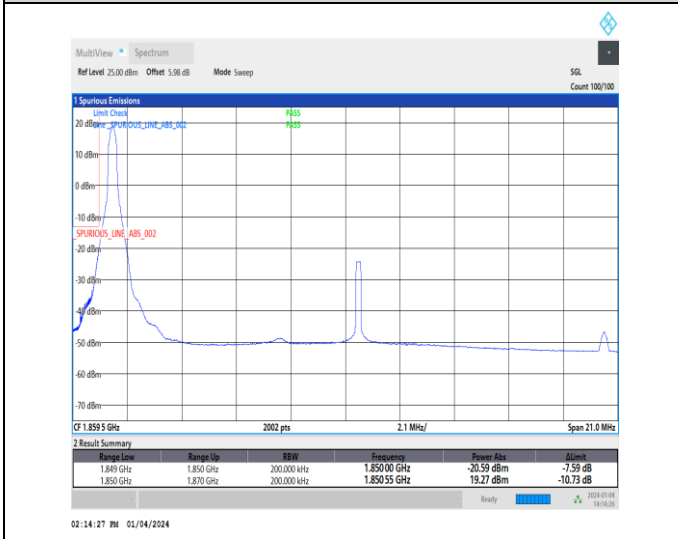
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1-N25-15-20-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-15-20-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

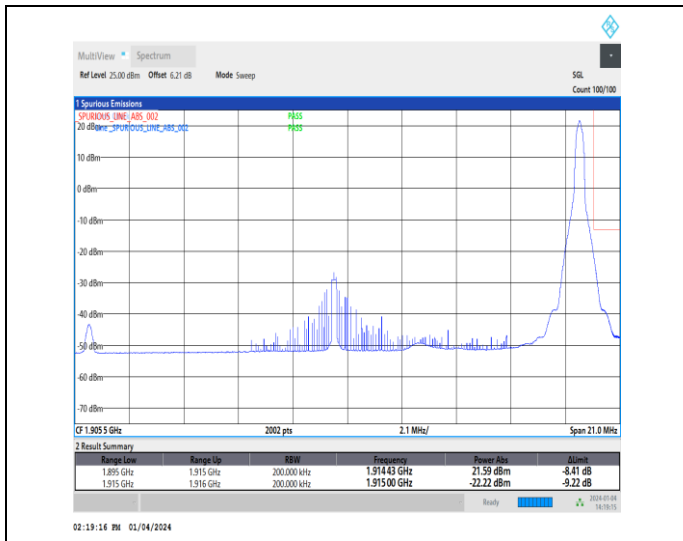
1-N25-15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-1-seegraph-PASS-see graph



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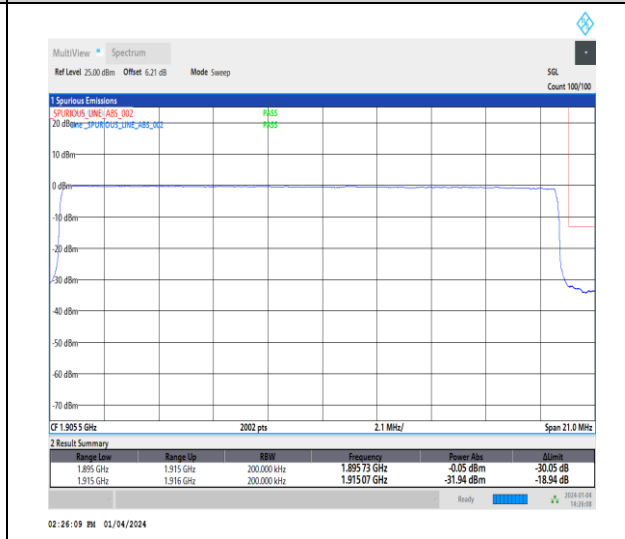
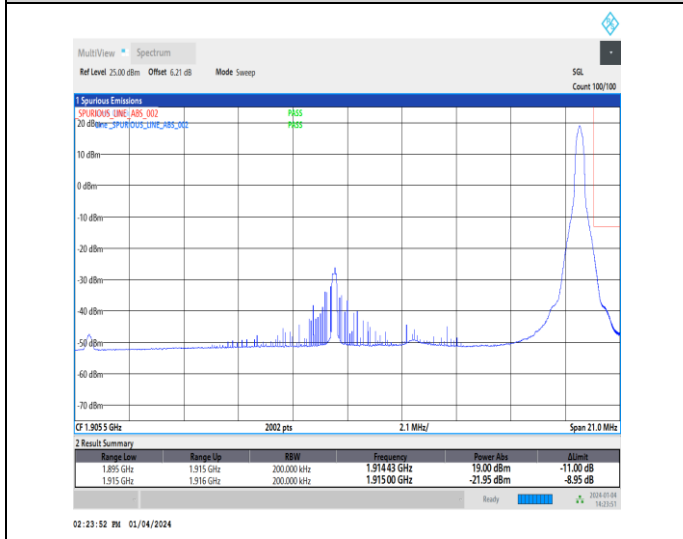
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1-N25-15-20-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@105-Ant1-1-seegraph-PASS-see graph

1-N25-15-20-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-1-seegraph-PASS-see graph

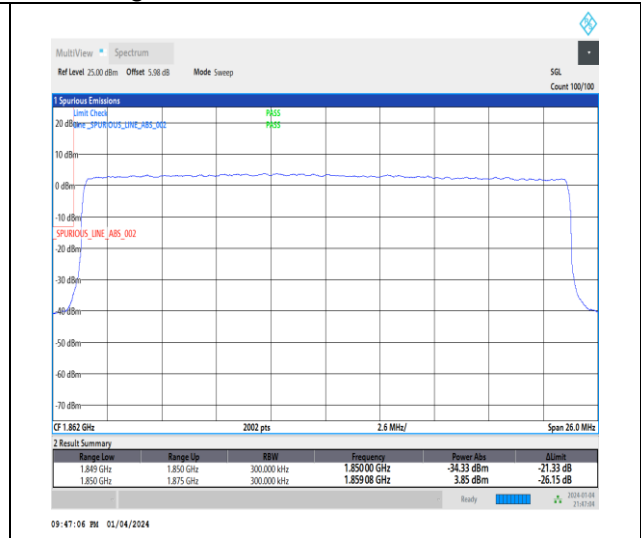
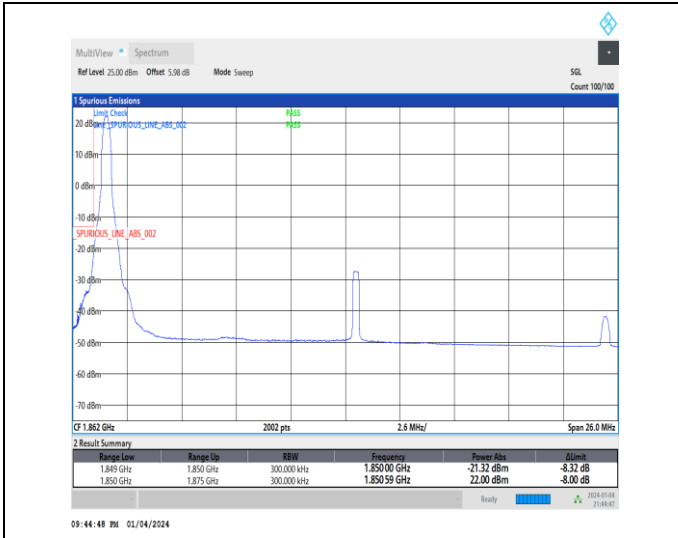
1-N25-15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-1-seegraph-PASS-see graph



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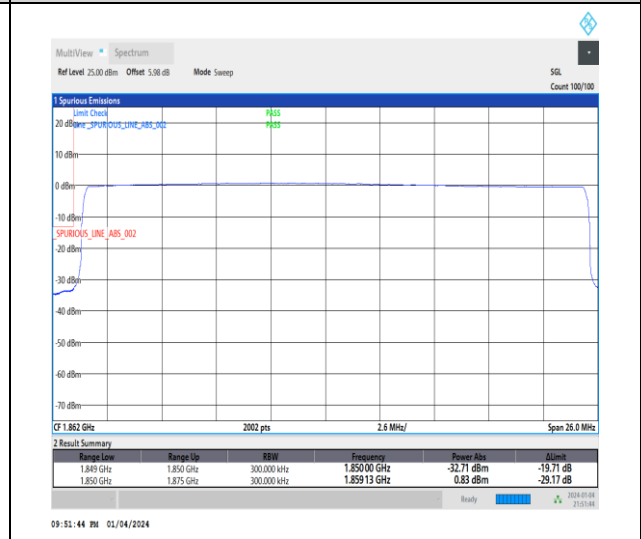
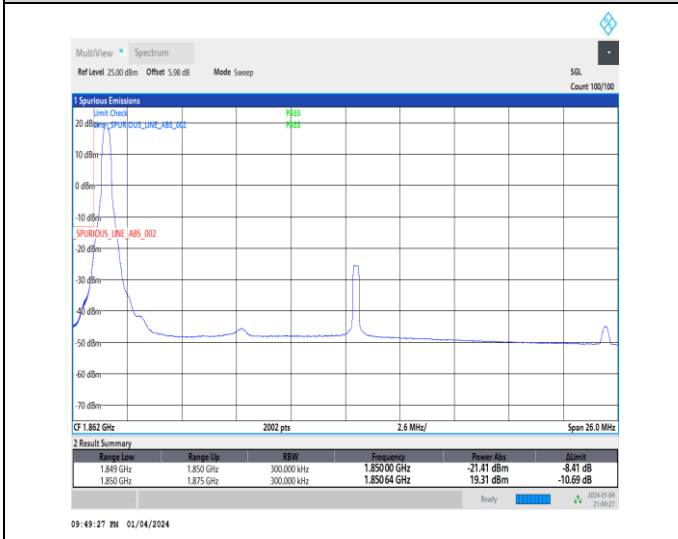
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1-N25-15-25-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-15-25-L-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-25-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

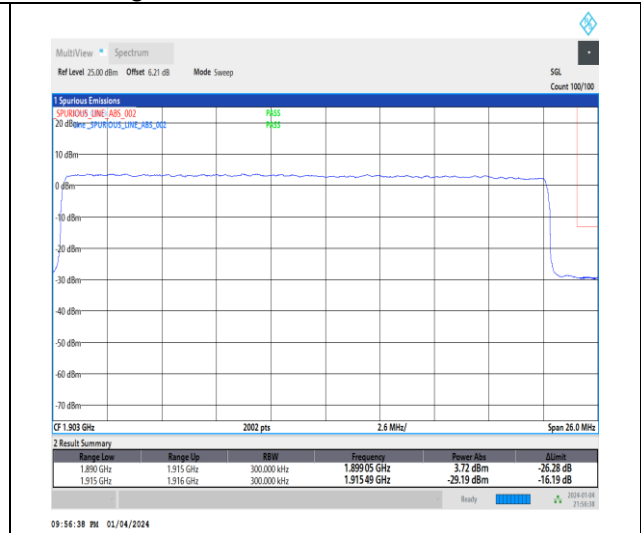
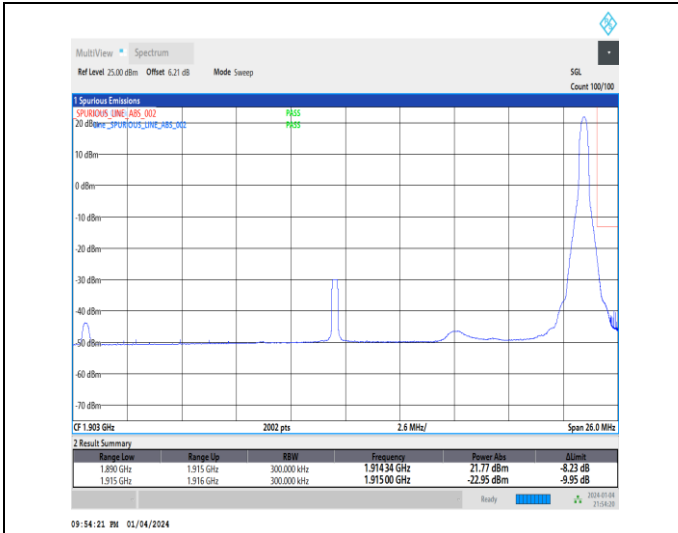
1-N25-15-25-L-6-CP-QPSK-Outer\_Full-133@0-Ant1-1-seegraph-PASS-see graph



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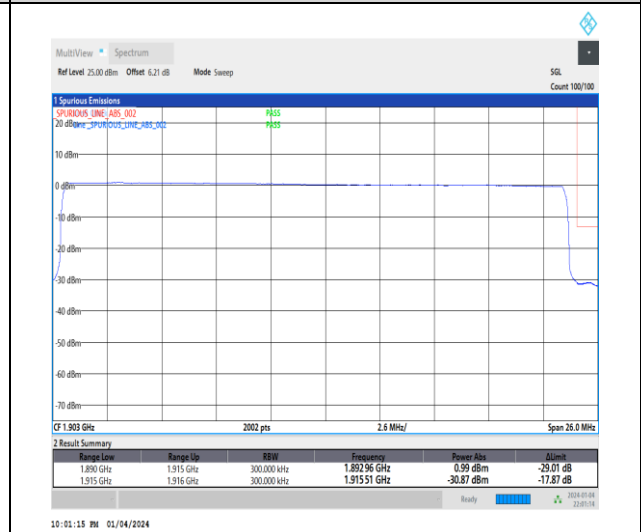
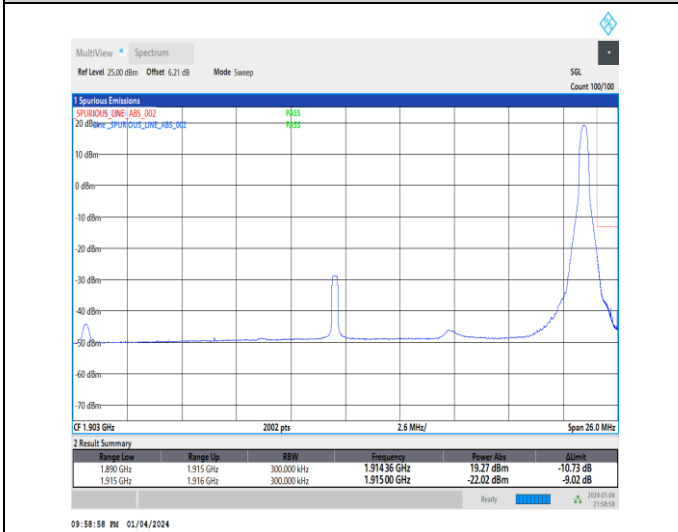
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1-N25-15-25-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@132-Ant1-1-seegraph-PASS-see graph

1-N25-15-25-H-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-25-H-5-CP-QPSK-Edge\_1RB\_Right-1@132-Ant1-1-seegraph-PASS-see graph

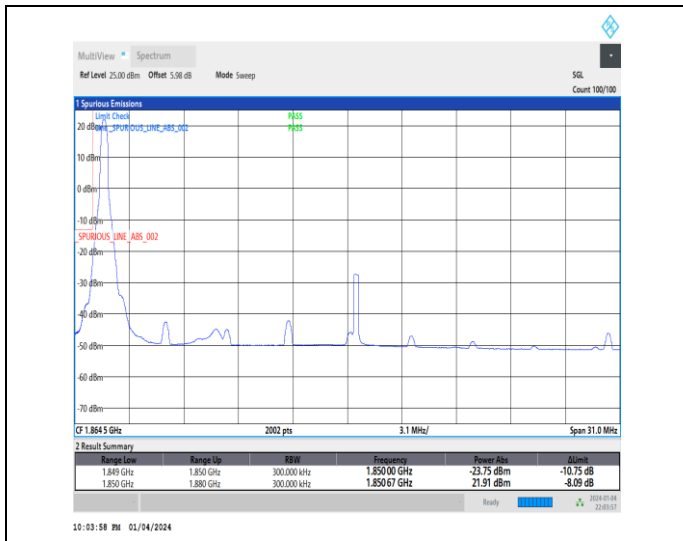
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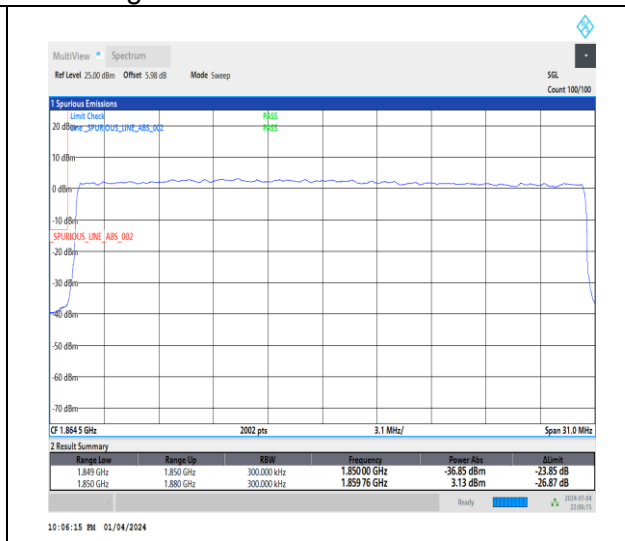
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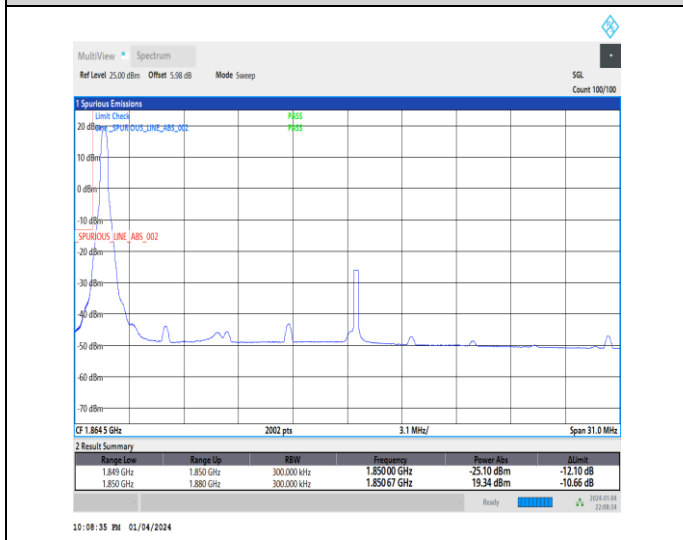
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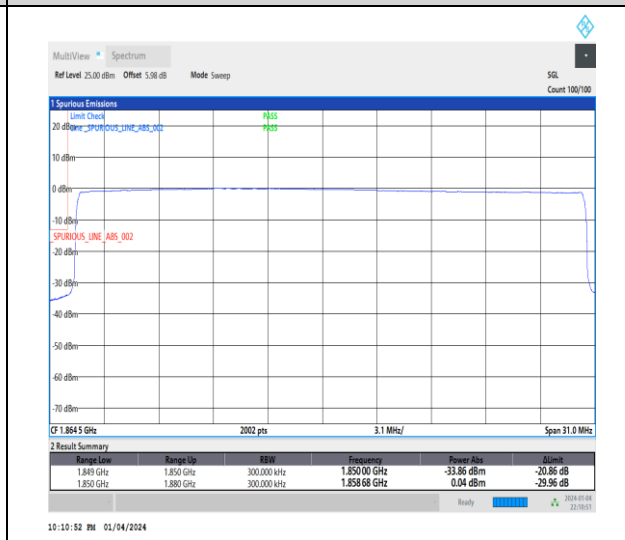
1-N25-15-30-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-30-L-3-DFT-PI2BPSK-Outer\_Full-160@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-30-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-30-L-6-CP-QPSK-Outer\_Full-160@0-Ant1-1-seegraph-PASS-see graph

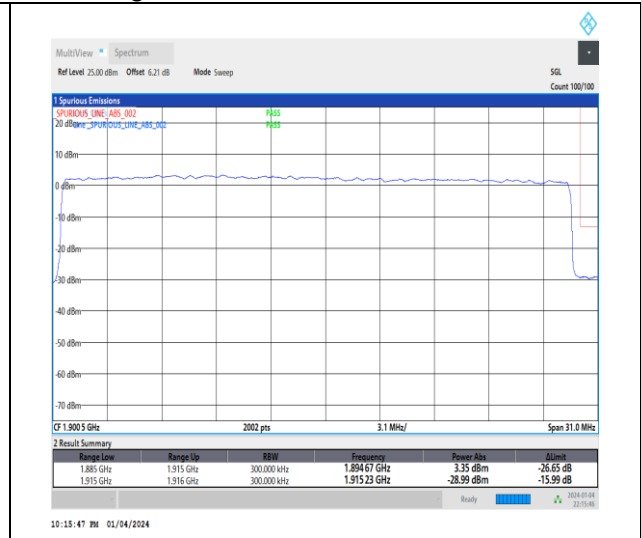
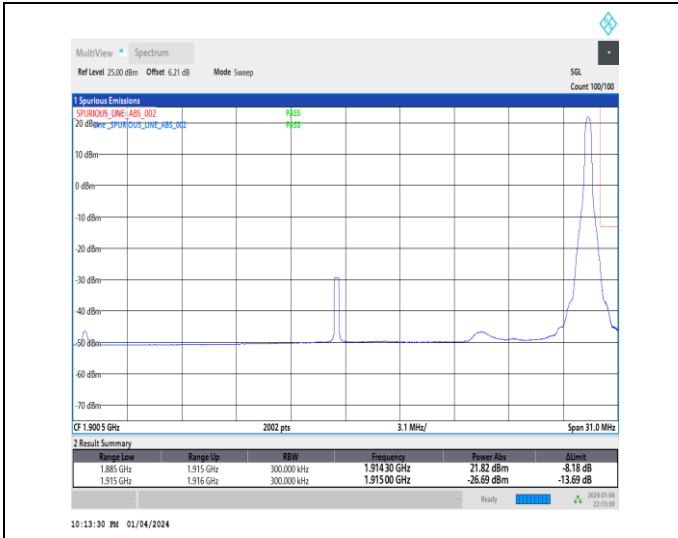


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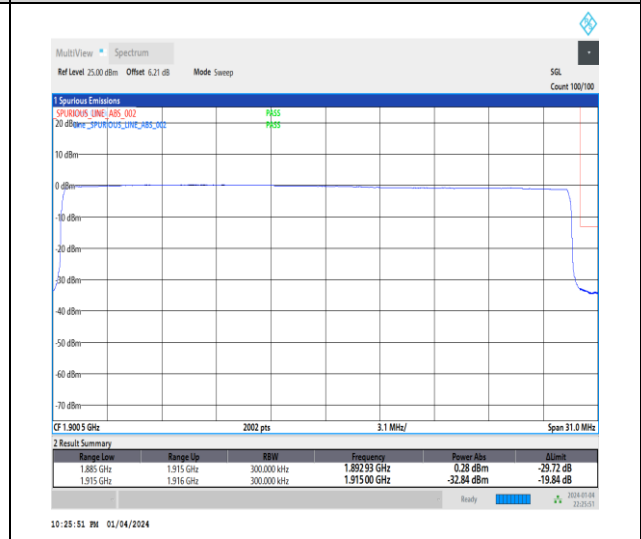
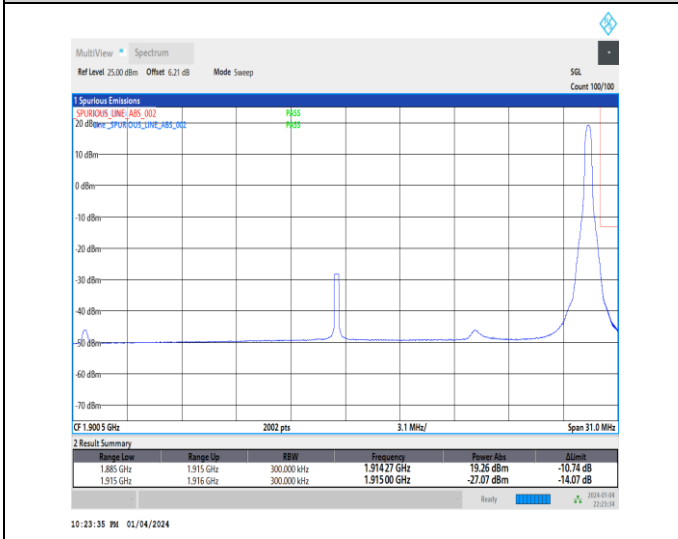
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1-N25-15-30-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@159-Ant1-1-seegraph-PASS-see graph

1-N25-15-30-H-3-DFT-PI2BPSK-Outer\_Full-160@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@159-Ant1-1-seegraph-PASS-see graph

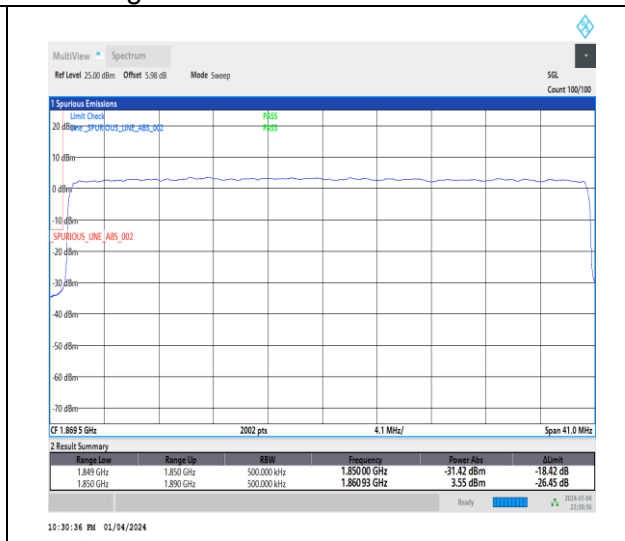
1-N25-15-30-H-6-CP-QPSK-Outer\_Full-160@0-Ant1-1-seegraph-PASS-see graph



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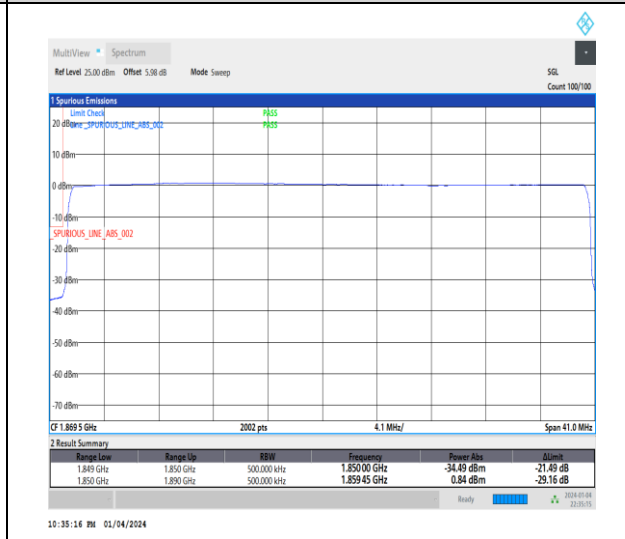
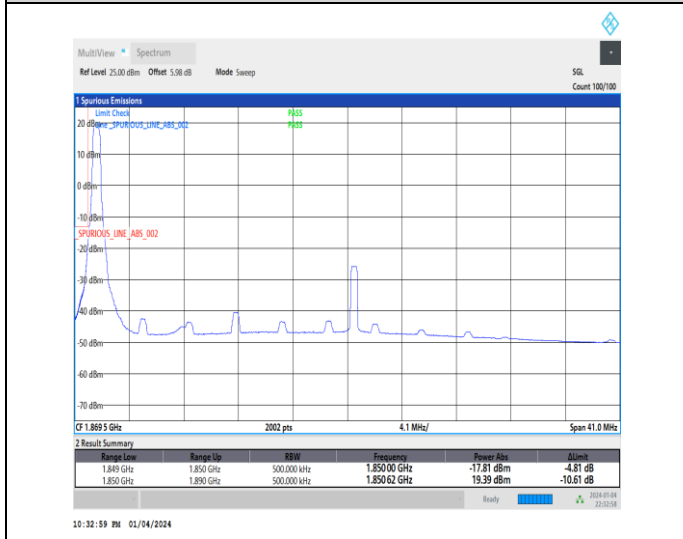
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1-N25-15-40-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-15-40-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

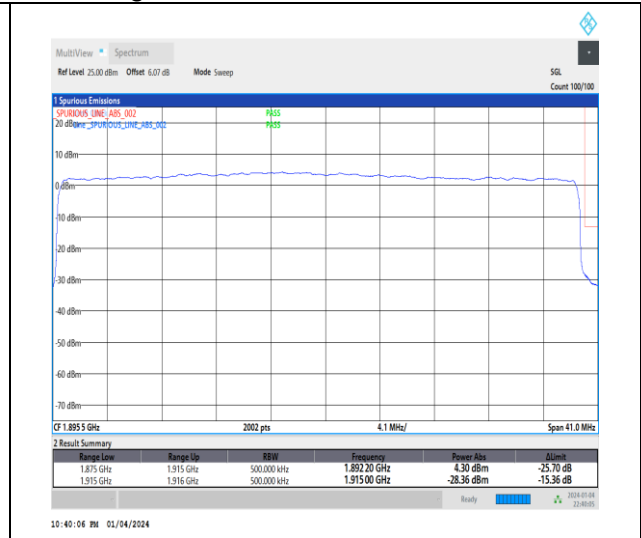
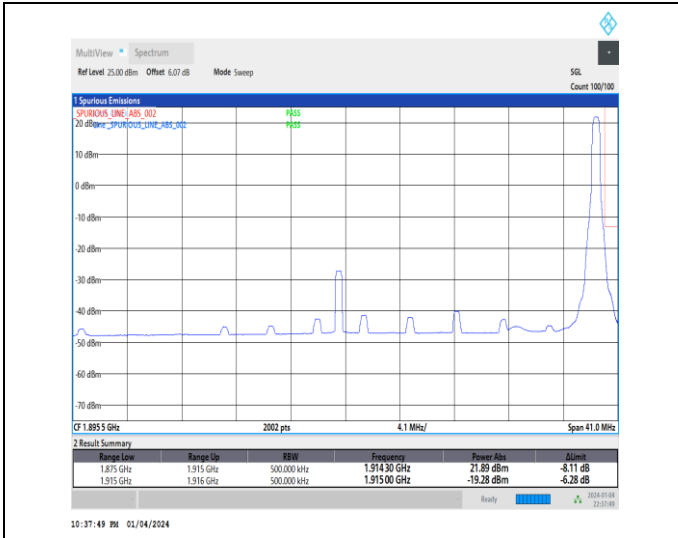
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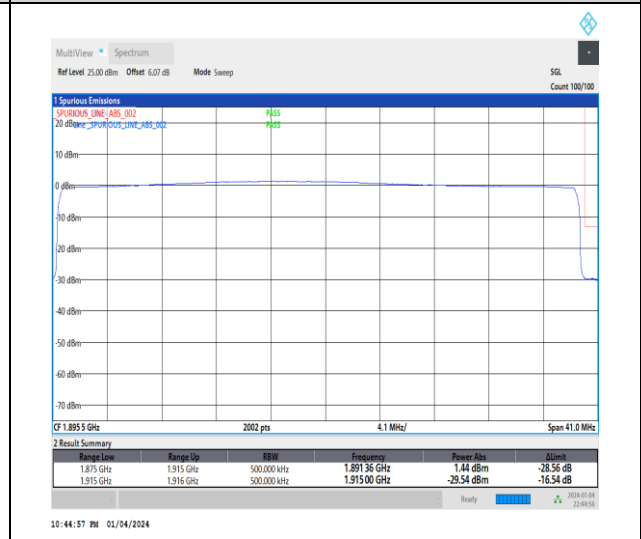
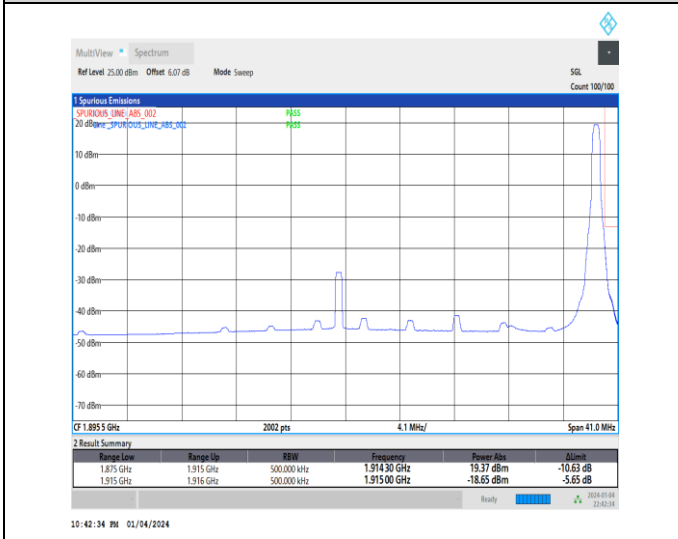
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1-N25-15-40-H-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1-seegraph-PASS-see graph



1-N25-15-40-H-5-CP-QPSK-Edge\_1RB\_Right-1@215-Ant1-1-seegraph-PASS-see graph

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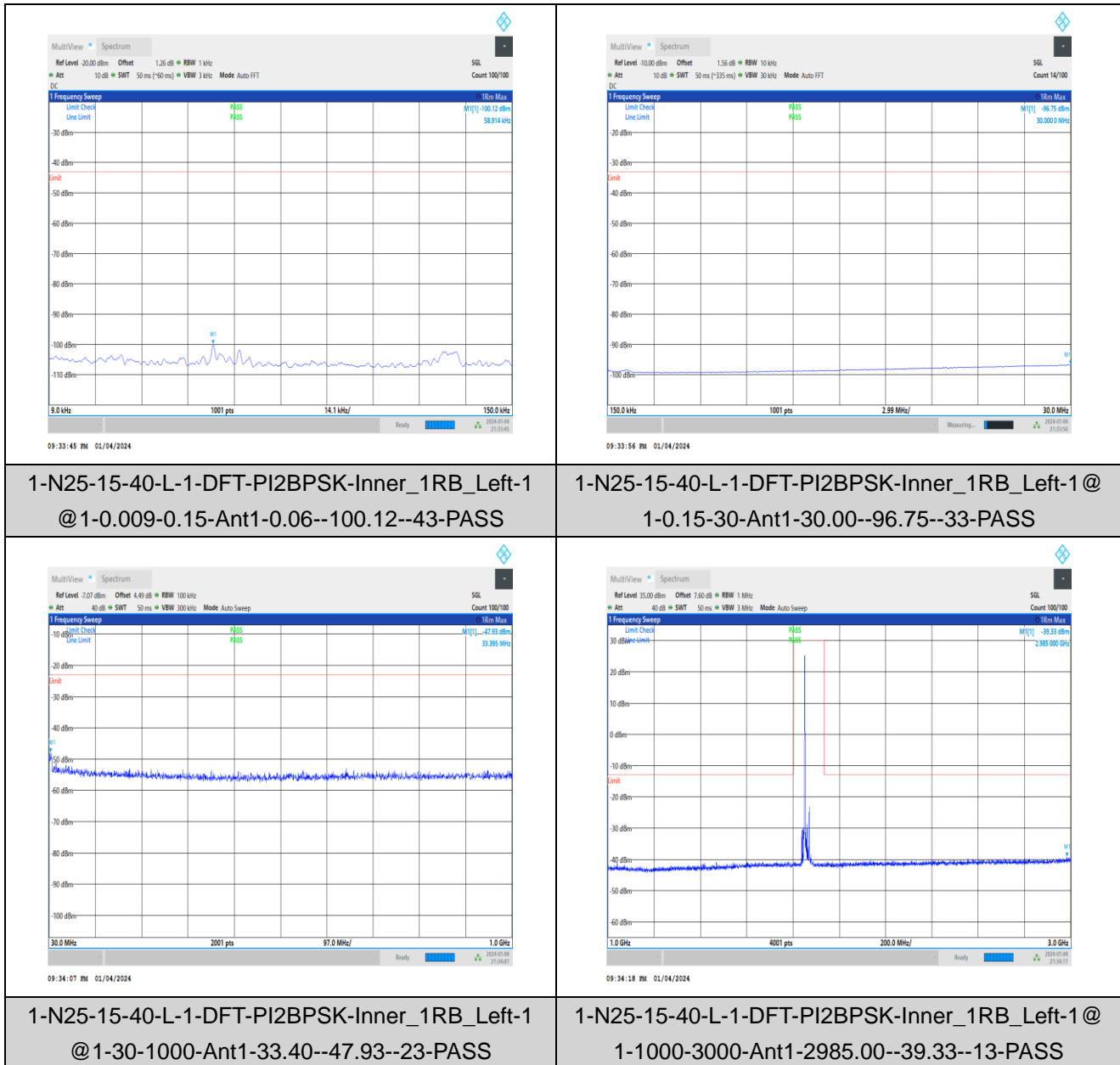
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## Conducted Spurious Emission for SA

### Test Graphs



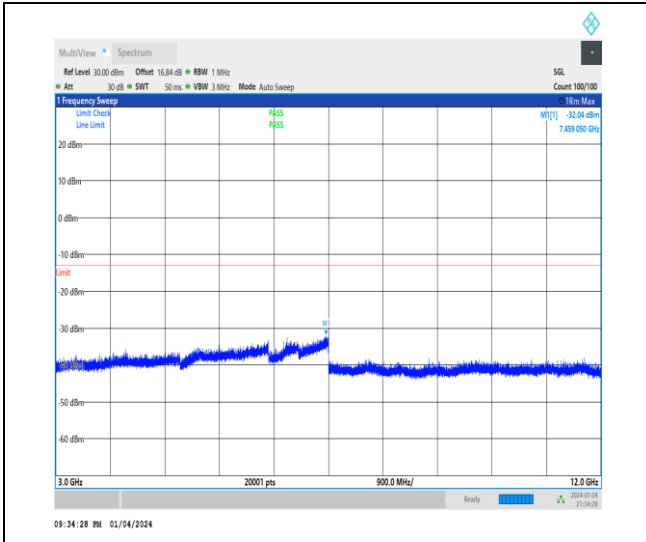
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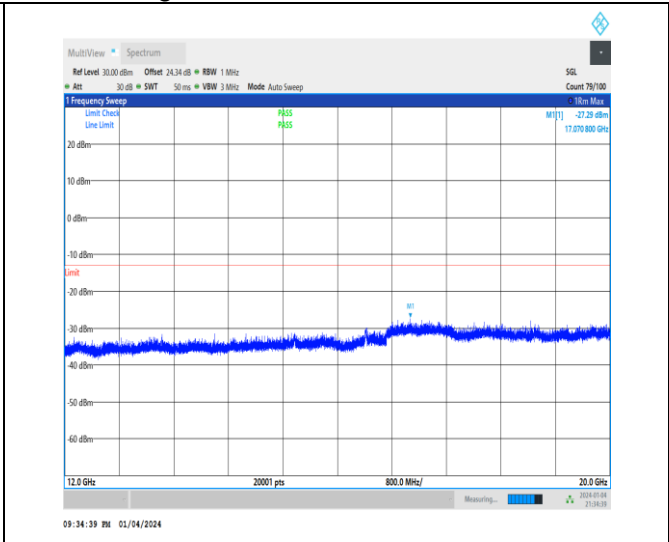
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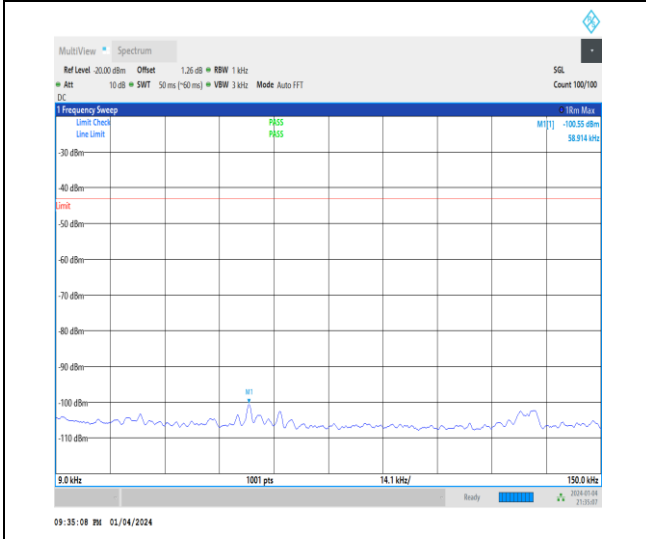
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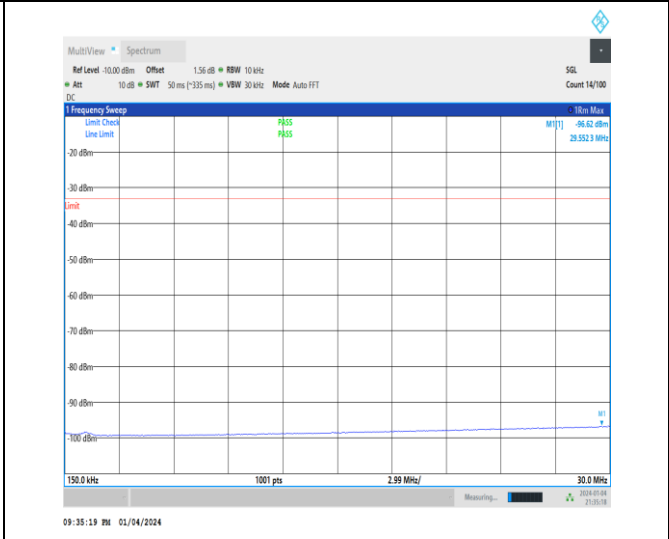
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1-N25-15-40-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-12000-20000-Ant1-17070.80--27.29--13-PASS



1-N25-15-40-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-0.009-0.15-Ant1-0.06--100.55--43-PASS



1-N25-15-40-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-0.15-30-Ant1-29.55--96.62--33-PASS



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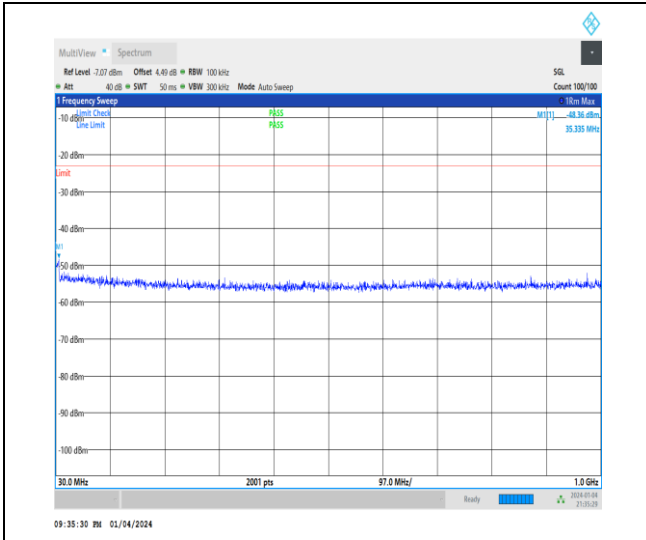
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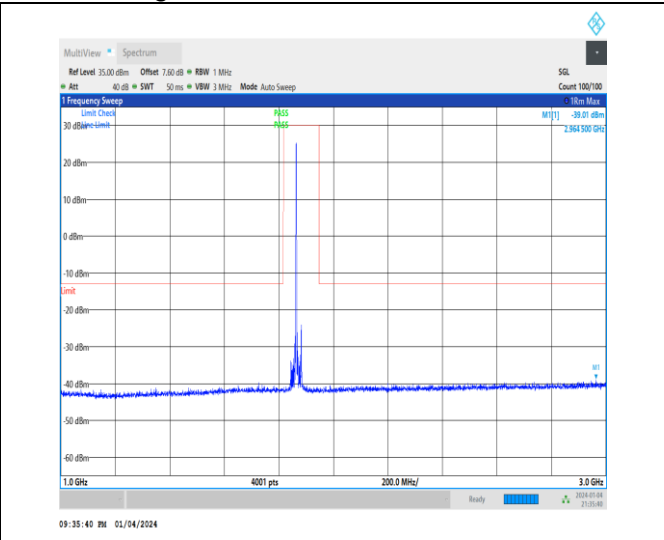
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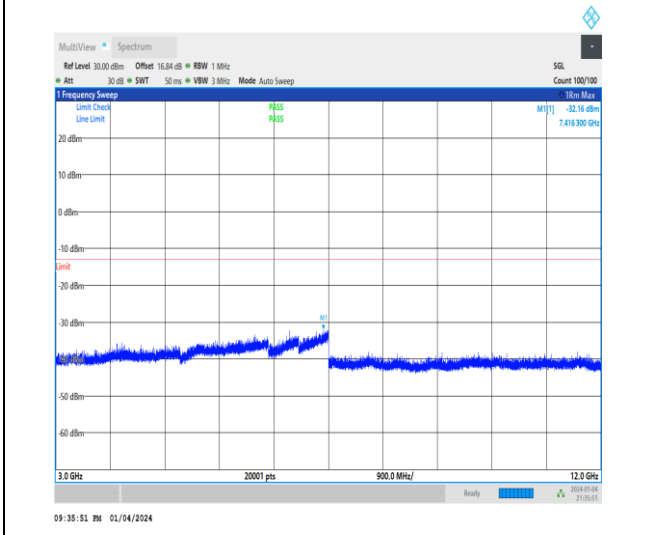




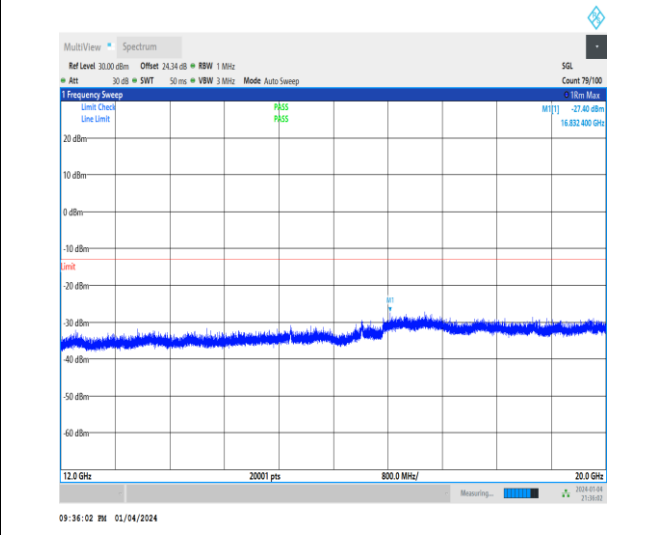
1-N25-15-40-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-30-1000-Ant1-35.34--48.36--23-PASS



1-N25-15-40-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-1000-3000-Ant1-2964.50--39.01--13-PASS



1-N25-15-40-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-3000-12000-Ant1-7416.30--32.16--13-PASS



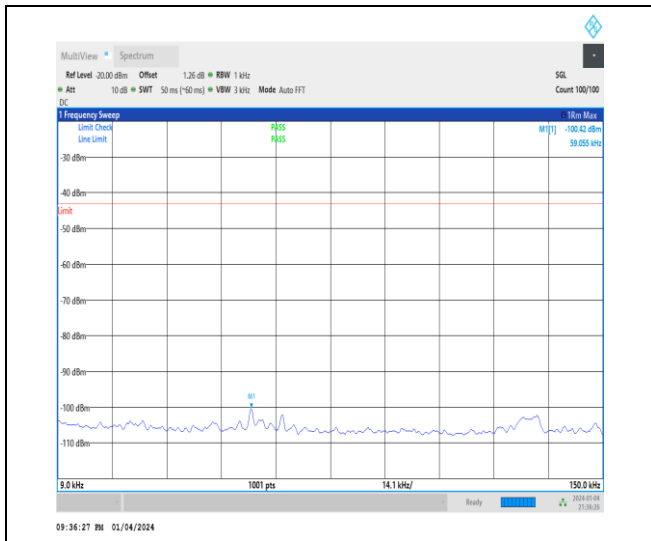
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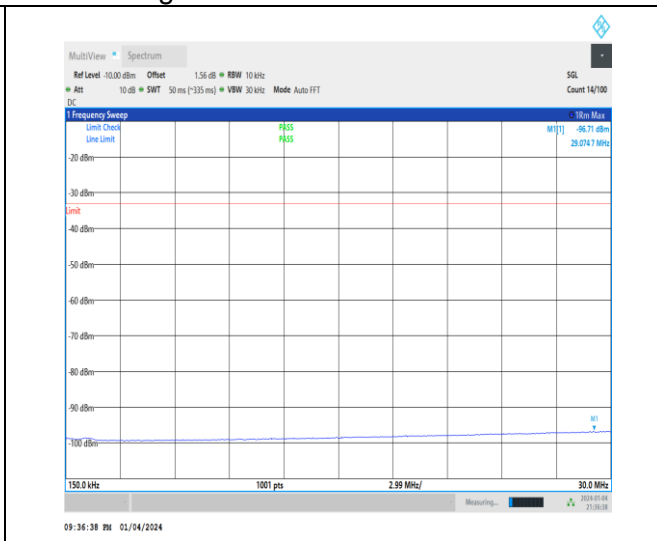
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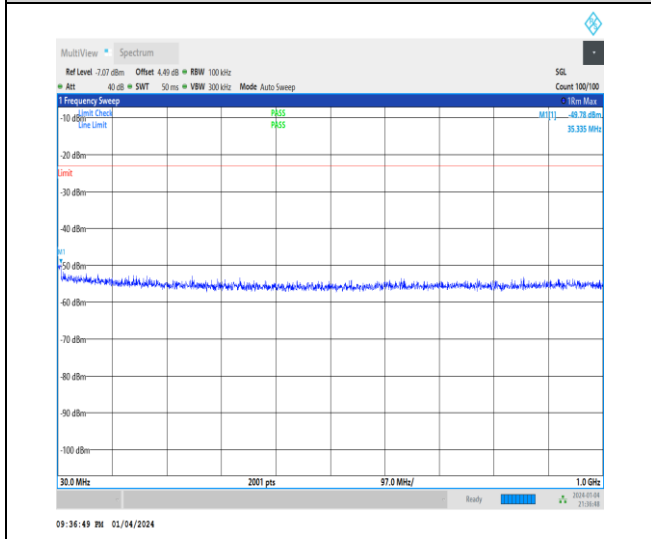
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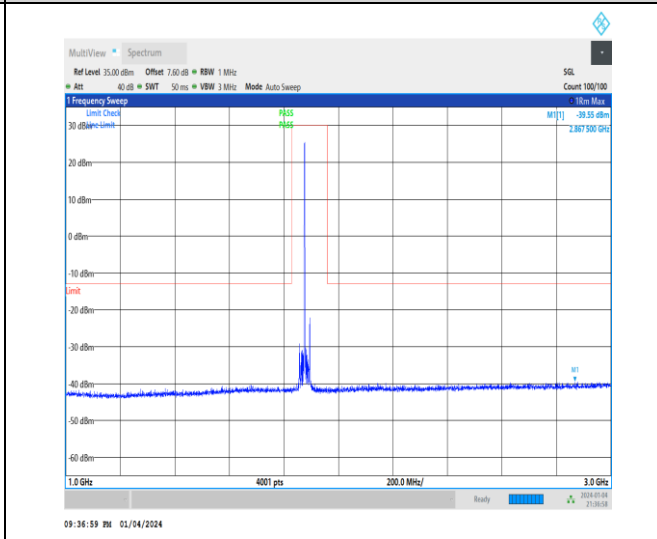
1-N25-15-40-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-0.009-0.15-Ant1-0.06--100.42--43-PASS



1-N25-15-40-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-0.15-30-Ant1-29.07--96.71--33-PASS



1-N25-15-40-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-30-1000-Ant1-35.34--49.78--23-PASS

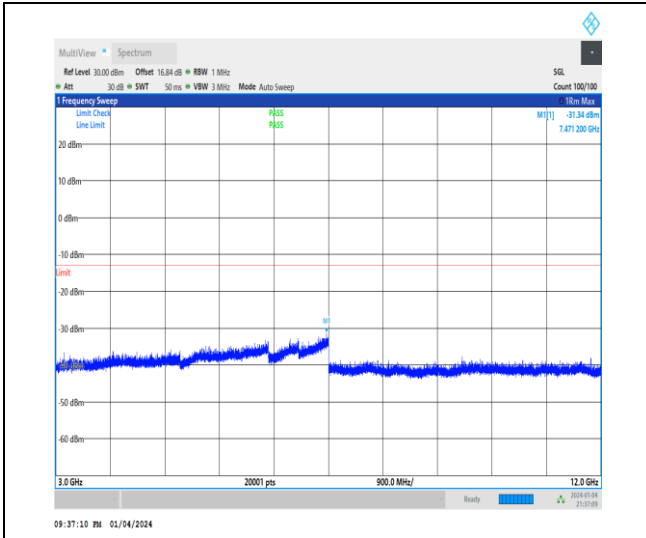


1-N25-15-40-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-1000-3000-Ant1-2867.50--39.55--13-PASS

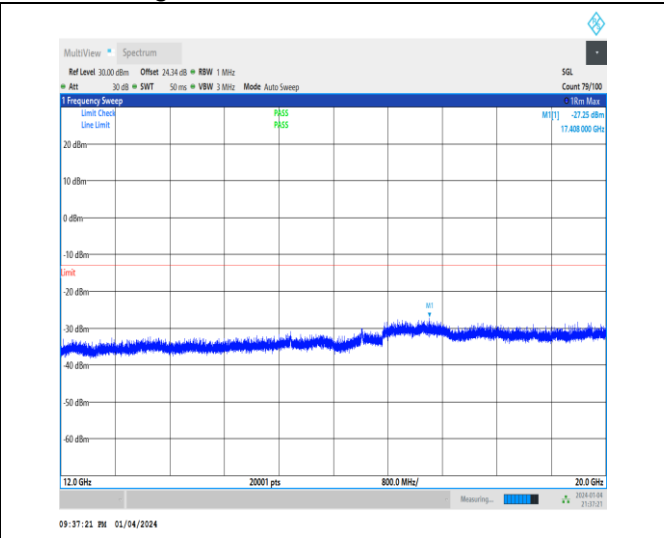


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1-N25-15-40-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-3000-12000-Ant1-7471.20--31.34--13-PASS



1-N25-15-40-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1 @ 1-12000-20000-Ant1-17408.00--27.25--13-PASS



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### Field Strength of Spurious Radiation

Test Band = SA Band25\_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3704.1800	41.02	-45.52	28.80	-70.95	-13.00	57.95	Horizontal
2	5556.2700	39.93	-45.14	32.61	-67.86	-13.00	54.86	Horizontal
3	7408.3600	37.82	-43.39	36.34	-64.48	-13.00	51.48	Horizontal
4	9260.4500	34.23	-40.23	36.80	-64.47	-13.00	51.47	Horizontal
5	11112.5400	30.05	-37.90	38.71	-64.39	-13.00	51.39	Horizontal
6	12964.6300	28.60	-37.25	39.09	-64.82	-13.00	51.82	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3704.1800	40.02	-45.52	28.80	-71.95	-13.00	58.95	Vertical
2	5556.2700	39.60	-45.14	32.61	-68.19	-13.00	55.19	Vertical
3	7408.3600	37.89	-43.39	36.34	-64.41	-13.00	51.41	Vertical
4	9260.4500	35.34	-40.23	36.80	-63.36	-13.00	50.36	Vertical
5	11112.5400	30.33	-37.90	38.71	-64.11	-13.00	51.11	Vertical
6	12964.6300	28.39	-37.25	39.09	-65.03	-13.00	52.03	Vertical



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Test Band = SA Band25\_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3729.1800	40.80	-45.62	28.83	-71.26	-13.00	58.26	Horizontal
2	5593.7700	39.23	-45.08	32.62	-68.49	-13.00	55.49	Horizontal
3	7458.3600	37.14	-43.25	36.48	-64.89	-13.00	51.89	Horizontal
4	9322.9500	34.72	-40.13	36.91	-63.76	-13.00	50.76	Horizontal
5	11187.5400	30.63	-37.46	38.72	-63.37	-13.00	50.37	Horizontal
6	13052.1300	28.32	-37.16	39.19	-64.90	-13.00	51.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3729.1800	40.30	-45.62	28.83	-71.76	-13.00	58.76	Vertical
2	5593.7700	39.51	-45.08	32.62	-68.21	-13.00	55.21	Vertical
3	7458.3600	37.50	-43.25	36.48	-64.53	-13.00	51.53	Vertical
4	9322.9500	35.06	-40.13	36.91	-63.42	-13.00	50.42	Vertical
5	11187.5400	30.69	-37.46	38.72	-63.31	-13.00	50.31	Vertical
6	13052.1300	28.04	-37.16	39.19	-65.18	-13.00	52.18	Vertical



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**Test Band = SA Band25\_ TM1**

**Test Channel = High**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3754.1800	39.70	-45.73	28.85	-72.43	-13.00	59.43	Horizontal
2	5631.2700	39.06	-45.00	32.63	-68.57	-13.00	55.57	Horizontal
3	7508.3600	37.21	-43.12	36.60	-64.57	-13.00	51.57	Horizontal
4	9385.4500	34.25	-39.89	37.03	-63.86	-13.00	50.86	Horizontal
5	11262.5400	30.18	-37.41	38.73	-63.76	-13.00	50.76	Horizontal
6	13139.6300	27.86	-37.08	39.35	-65.13	-13.00	52.13	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3754.1800	40.06	-45.73	28.85	-72.07	-13.00	59.07	Vertical
2	5631.2700	38.79	-45.00	32.63	-68.84	-13.00	55.84	Vertical
3	7508.3600	36.79	-43.12	36.60	-64.99	-13.00	51.99	Vertical
4	9385.4500	33.93	-39.89	37.03	-64.18	-13.00	51.18	Vertical
5	11262.5400	30.38	-37.41	38.73	-63.56	-13.00	50.56	Vertical
6	13139.6300	28.12	-37.08	39.35	-64.87	-13.00	51.87	Vertical

**Remark:**

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.800000	0.000425	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.900000	0.001009	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.700000	-0.000903	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VH	NT	-4.400000	-0.002337	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VN	NT	-4.900000	-0.002603	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VL	NT	6.700000	0.003559	PASS



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Rev.: 01

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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-7.000000	-0.003718	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.100000	-0.000053	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-11.200000	-0.005950	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-10.000000	-0.005312	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.900000	-0.000478	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-7.600000	-0.004037	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	8.000000	0.004250	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-7.300000	-0.003878	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-8.500000	-0.004515	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-30	3.000000	0.001594	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-20	-8.300000	-0.004409	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-10	2.100000	0.001116	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	0	-6.200000	-0.003293	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	10	-9.600000	-0.005100	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	20	-10.700000	-0.005684	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	30	-14.700000	-0.007809	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	40	8.600000	0.004568	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	50	-15.500000	-0.008234	PASS

---End of Attachment---



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