



Report No.: XEWM2309000462RG01

Rev.: 01

Page: 1 of 29

# Appendix B.14

## LTE Band 26(814-824)



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Report No.: XEWM2309000462RG01

Rev.: 01

Page: 2 of 29

## Transmitter Conducted Power Output

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.49	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.53	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.48	50.00	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.48	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.43	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.56	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.44	50.00	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.50	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.41	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.53	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.40	50.00	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.47	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.65	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.77	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.57	50.00	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.56	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.53	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.67	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.56	50.00	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.52	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.53	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.72	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.45	50.00	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.36	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.44	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.48	50.00	PASS



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Rev.: 01

Page: 3 of 29

Band26	3MHz	QPSK	26705	1RB#14	23.42	50.00	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.45	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.46	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.43	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.40	50.00	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.39	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.44	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.45	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.38	50.00	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.34	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.67	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.60	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.57	50.00	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.44	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.65	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.60	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.56	50.00	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.30	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.31	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.33	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.37	50.00	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.30	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.45	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.51	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.43	50.00	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.44	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.33	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.55	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.36	50.00	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.42	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.43	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.54	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.42	50.00	PASS



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Rev.: 01

Page: 4 of 29

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Band26	5MHz	16QAM	26715	1RB#0	22.47	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.56	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.39	50.00	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.48	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.52	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.73	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.53	50.00	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.37	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.43	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.52	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.41	50.00	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.42	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.45	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.55	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.39	50.00	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.42	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.62	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.71	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.58	50.00	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.39	50.00	PASS



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Rev.: 01

Page: 5 of 29

## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	5.22	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	5.98	13	PASS



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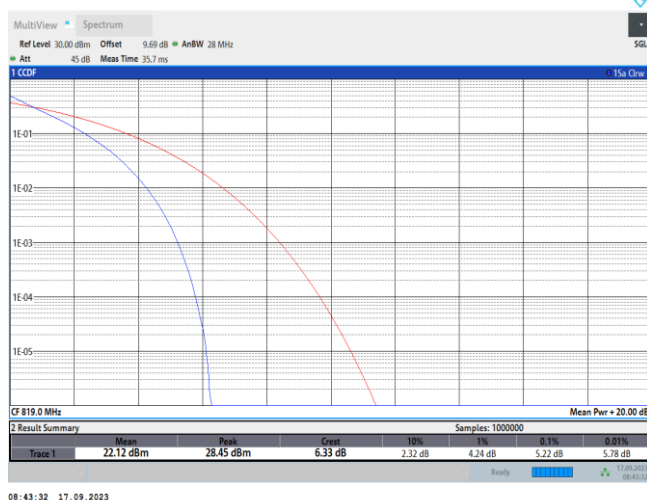
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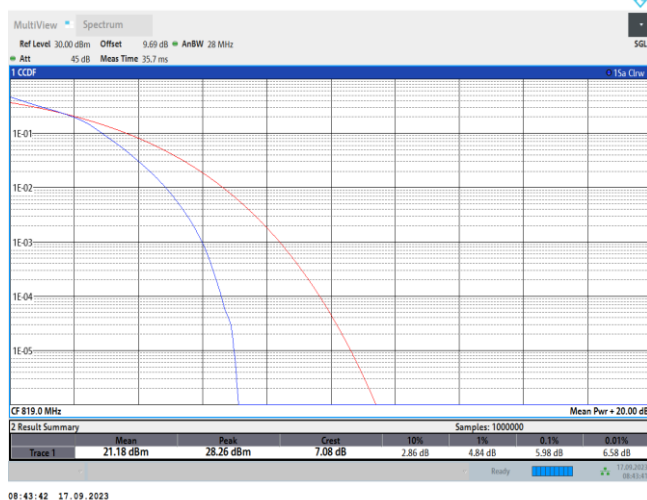
Page: 6 of 29

### Test Graphs

Band26-10MHz-QPSK-26740-50RB#0



Band26-10MHz-16QAM-26740-50RB#0



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Page: 7 of 29

## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.093	1.28	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.089	1.29	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.089	1.29	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.096	1.30	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.096	1.30	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.097	1.31	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.688	2.89	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.685	2.91	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.685	2.91	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.688	3.17	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.68	2.91	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.678	2.90	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.489	4.99	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.481	4.96	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.483	4.97	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.485	4.97	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.485	4.98	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.478	4.97	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.942	9.62	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.913	9.62	PASS



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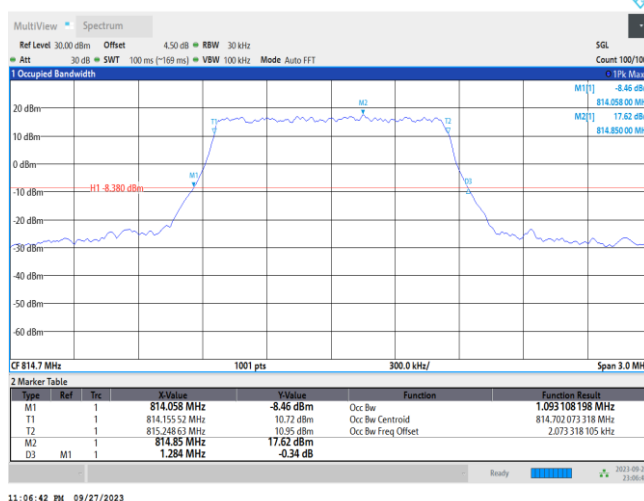
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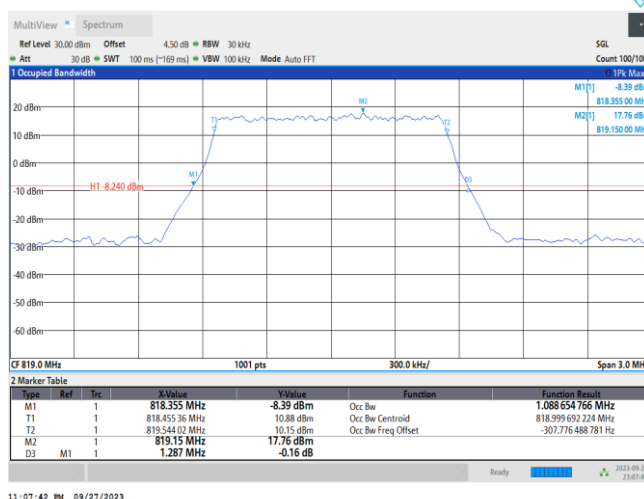
Page: 8 of 29

### Test Graphs

Band26-1.4MHz-QPSK-26697-6RB#0



Band26-1.4MHz-QPSK-26740-6RB#0



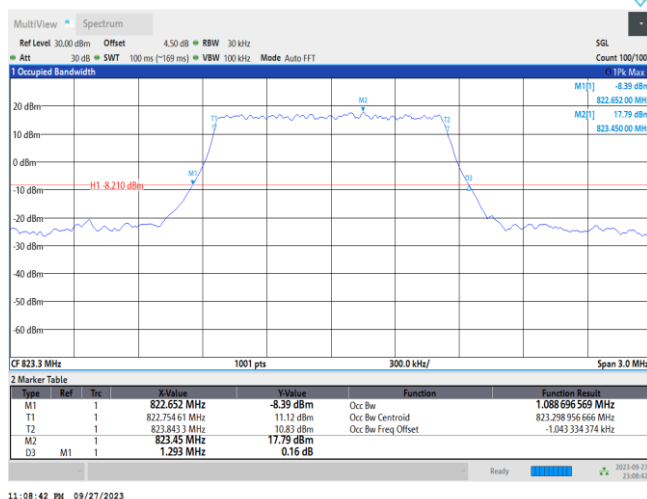


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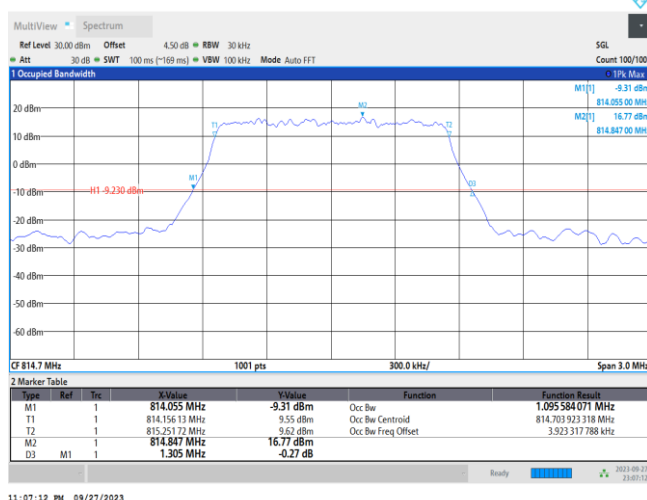
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Page: 9 of 29

## Band26-1.4MHz-QPSK-26783-6RB#0



## Band26-1.4MHz-16QAM-26697-6RB#0

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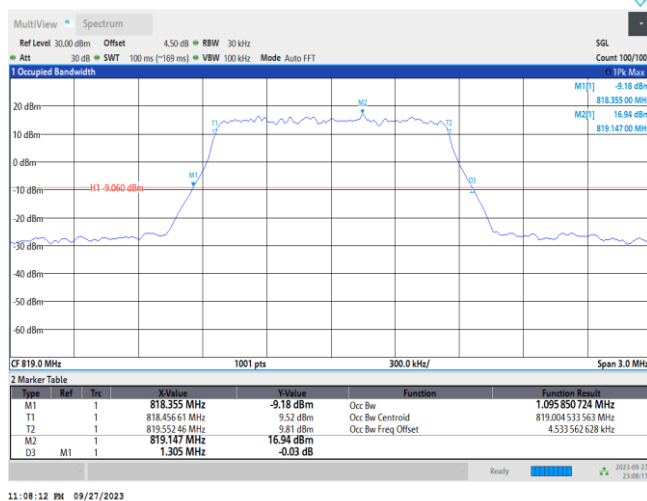
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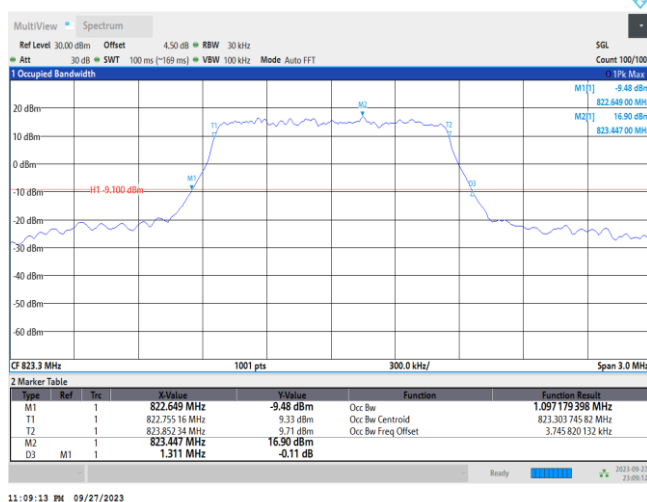
Page: 10 of 29

### Band26-1.4MHz-16QAM-26740-6RB#0



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### Band26-1.4MHz-16QAM-26783-6RB#0



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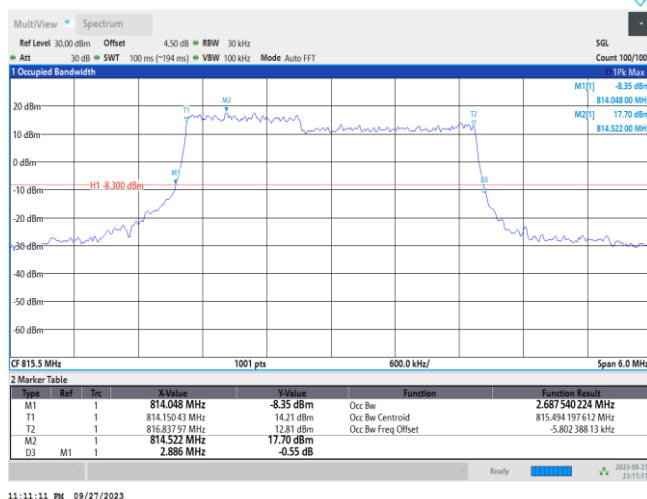
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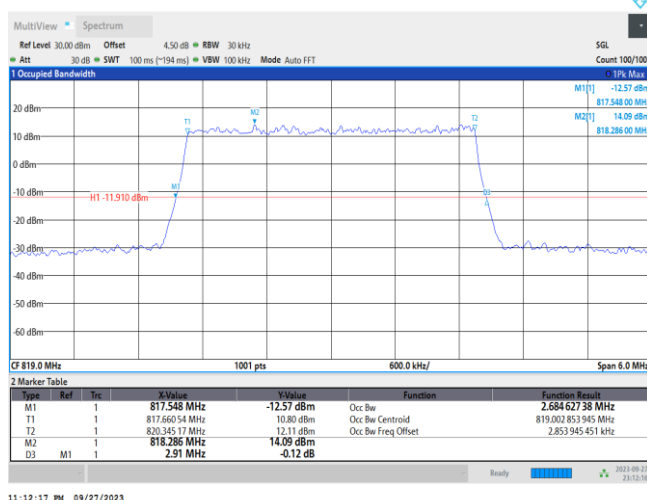
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Page: 11 of 29

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### Band26-3MHz-QPSK-26740-15RB#0



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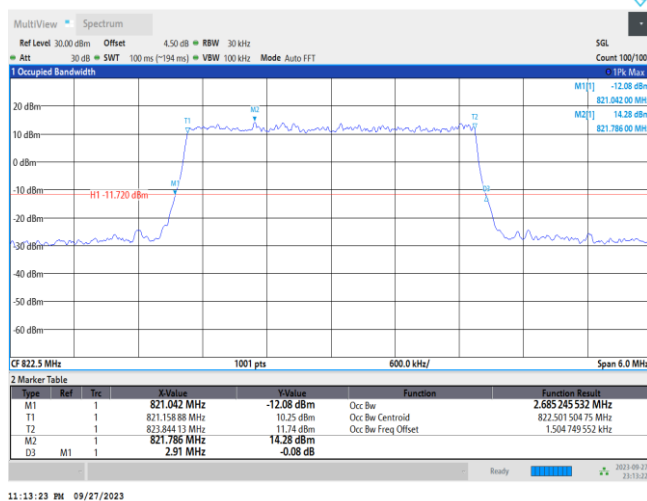
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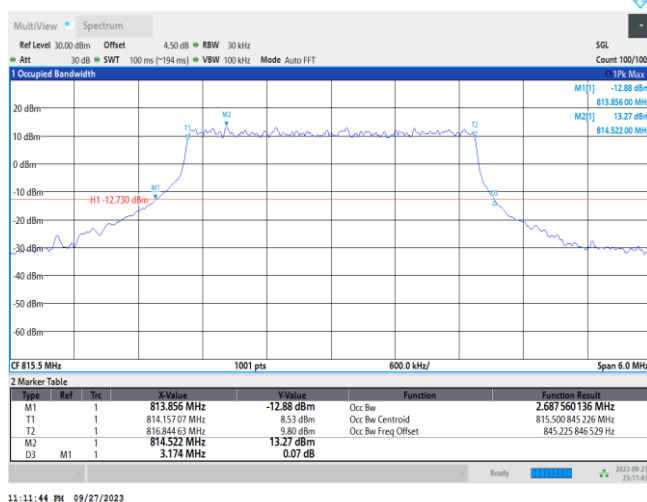
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Page: 12 of 29

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## Band26-3MHz-16QAM-26705-15RB#0



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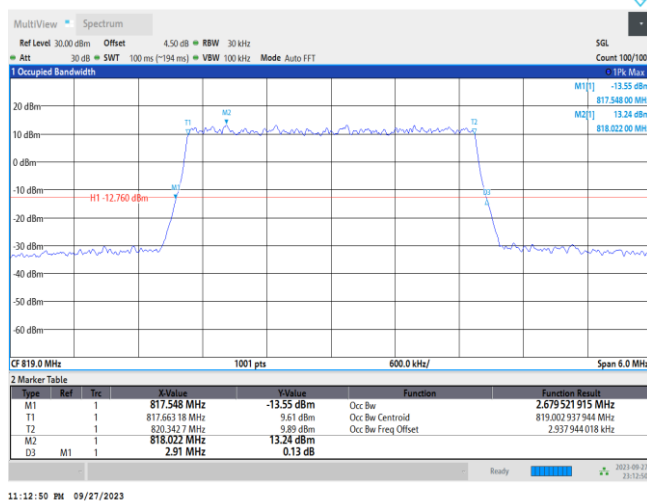
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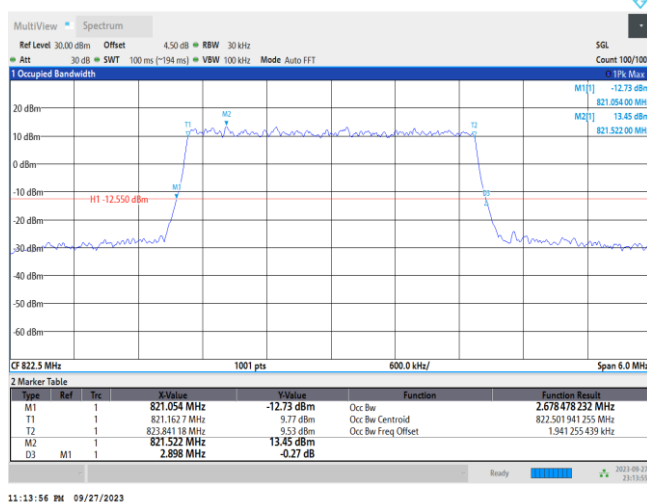
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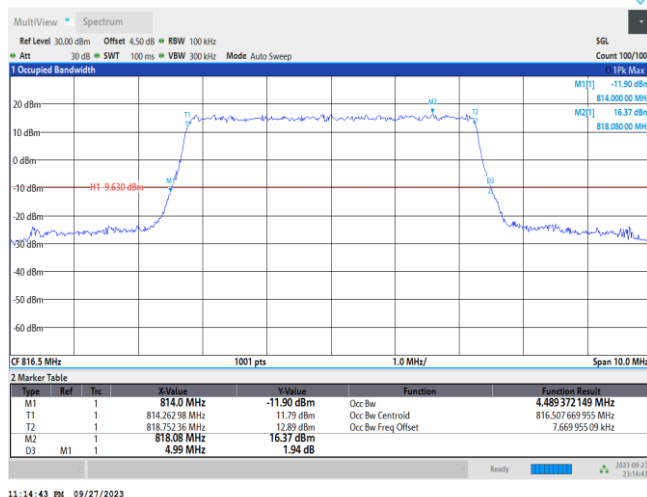
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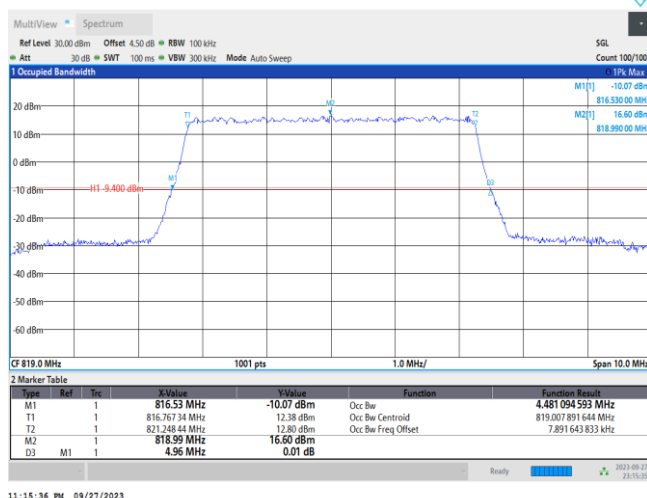
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### Band26-5MHz-QPSK-26740-25RB#0



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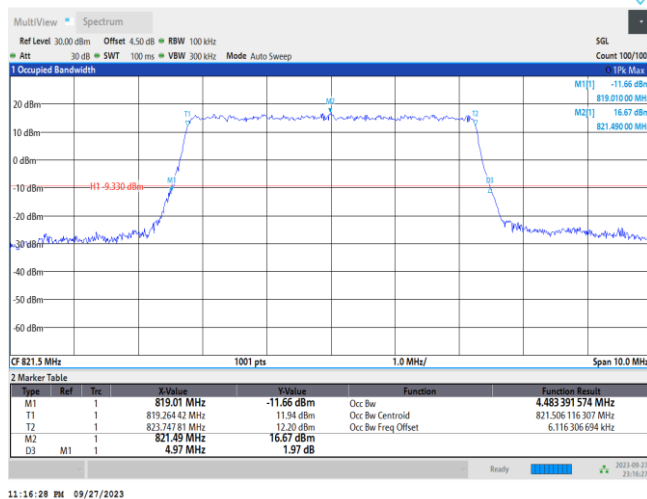


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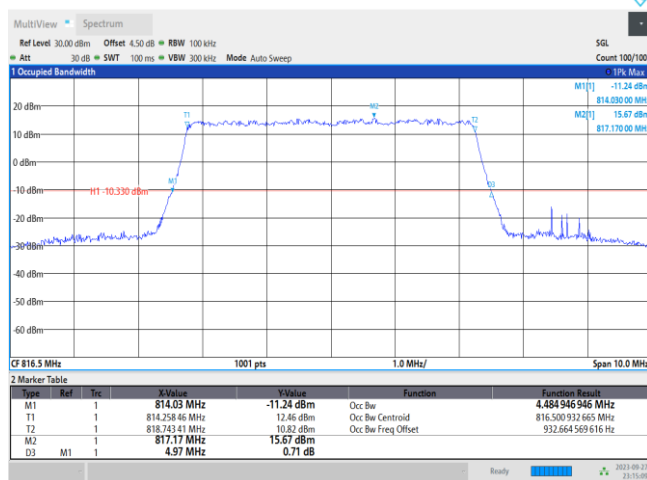
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## Band26-5MHz-QPSK-26765-25RB#0



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## Band26-5MHz-16QAM-26715-25RB#0



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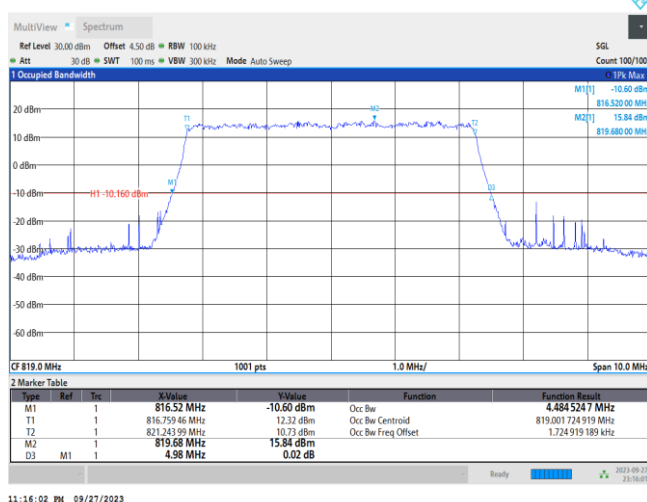
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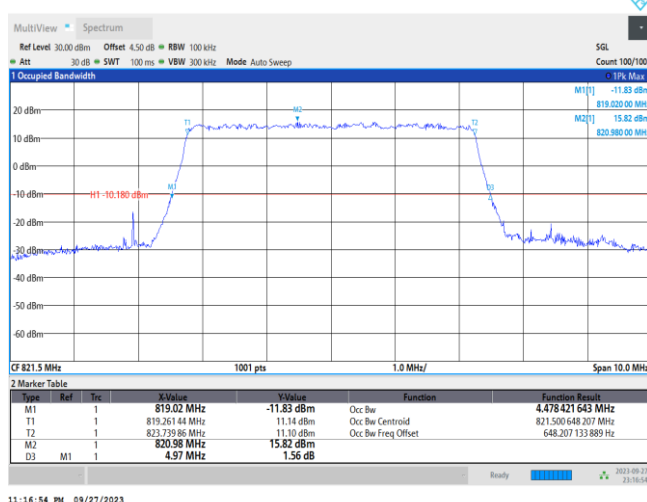
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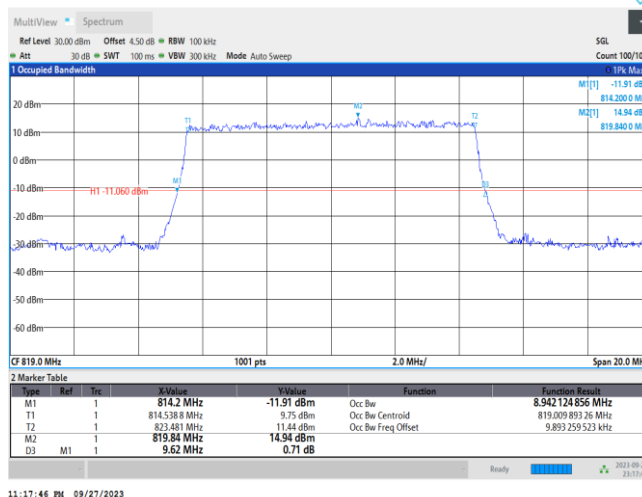
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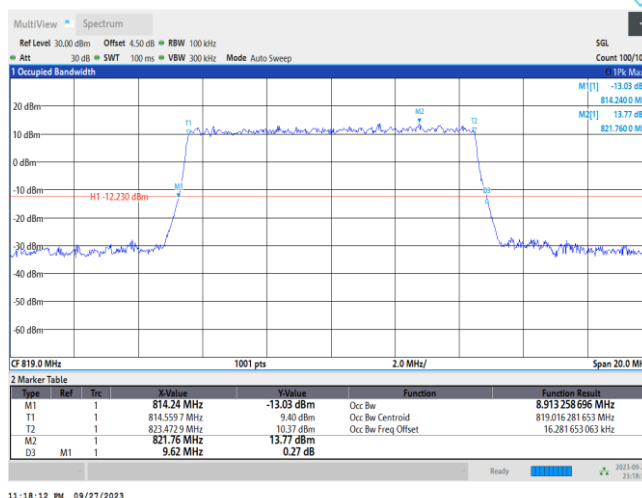
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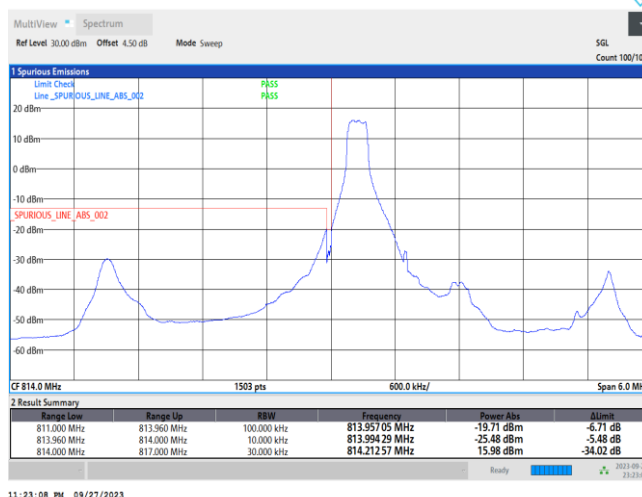
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Page: 18 of 29

## Band Edge

## Test Graphs

Band26-1.4MHz-QPSK-26697-1RB#0



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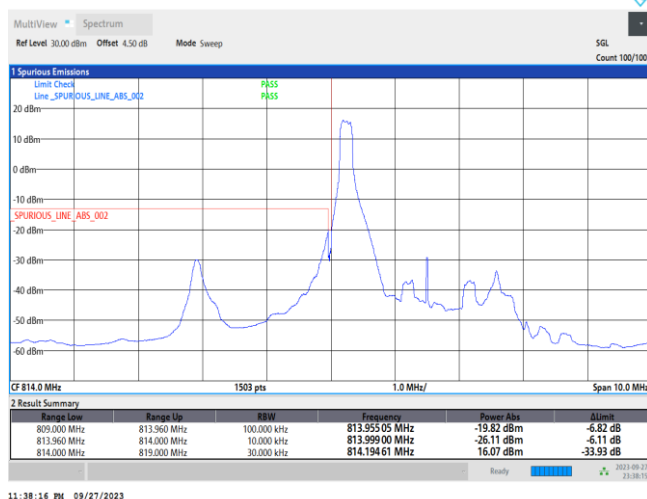
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## Band26-3MHz-QPSK-26705-15RB#0



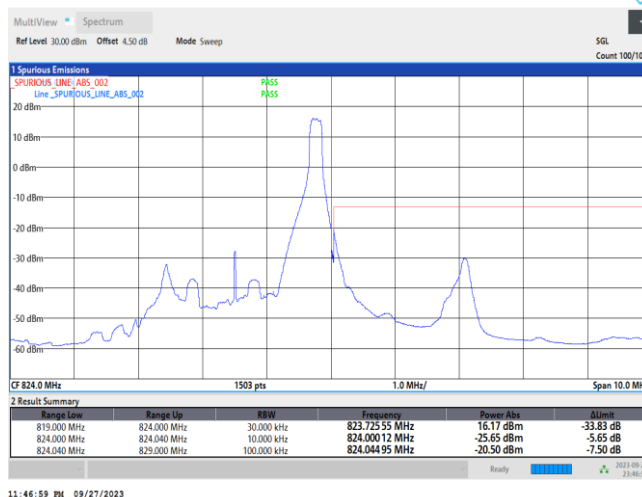


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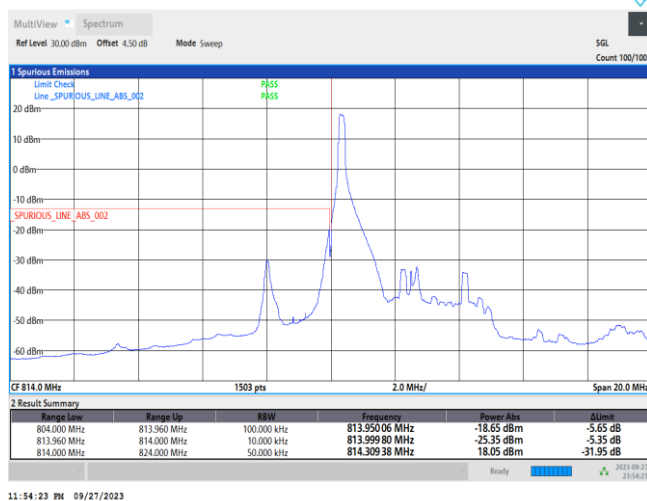
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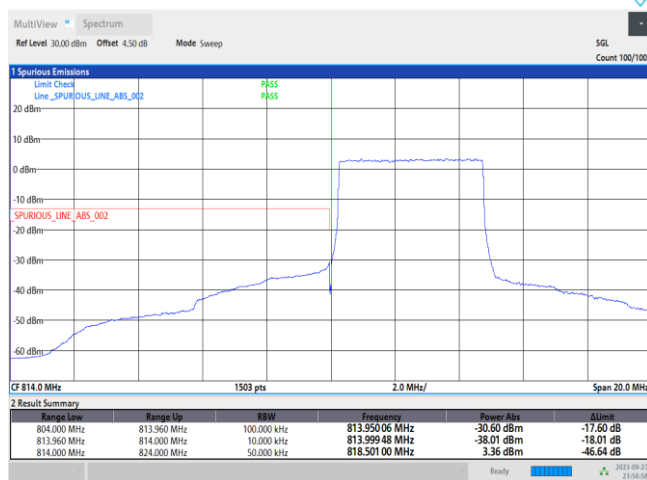
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## Band26-5MHz-QPSK-26715-25RB#0



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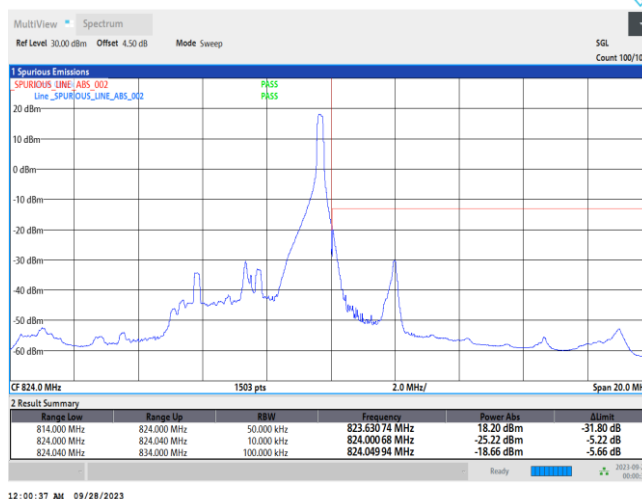
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Rev.: 01

Page: 23 of 29

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## Band26-5MHz-QPSK-26765-25RB#0



12:03:11 AM 09/28/2023

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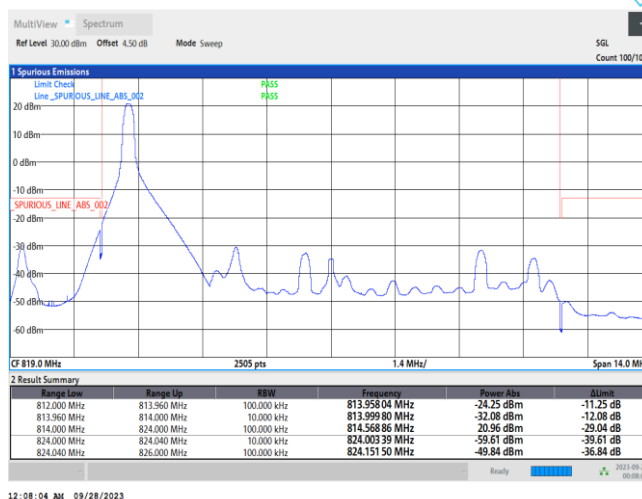
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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086t (86-29) 6282 7885  
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Report No.: XEWM2309000462RG01

Rev.: 01

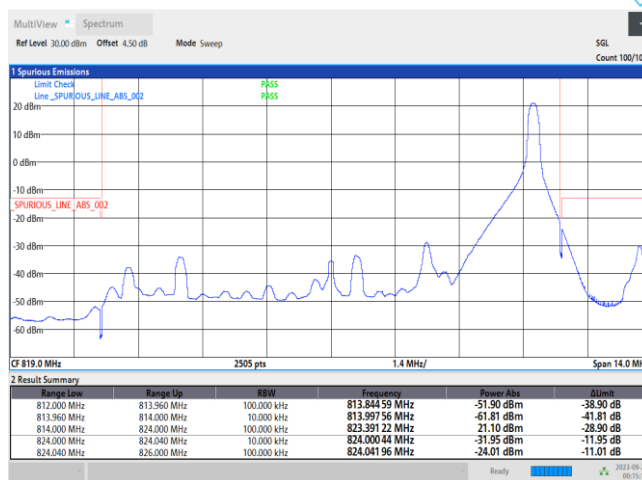
Page: 24 of 29

### Band26-10MHz-QPSK-26740-1RB#0



12:08:04 AM 09/28/2023

### Band26-10MHz-QPSK-26740-1RB#49



12:15:15 AM 09/28/2023



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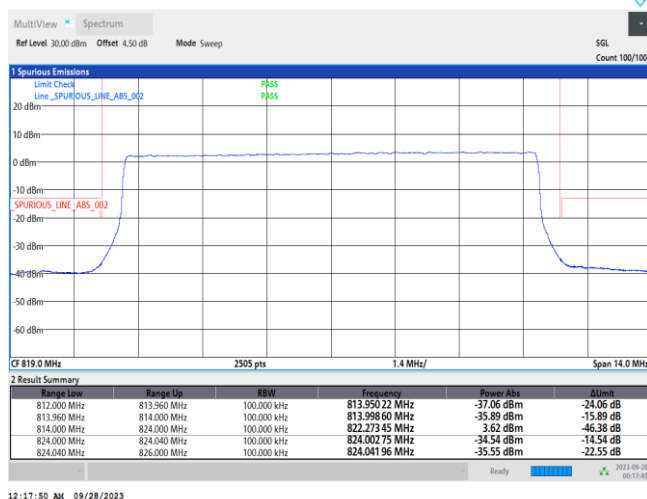
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Rev.: 01

Page: 25 of 29

### Band26-10MHz-QPSK-26740-50RB#0



12:17:50 AM 09/28/2023



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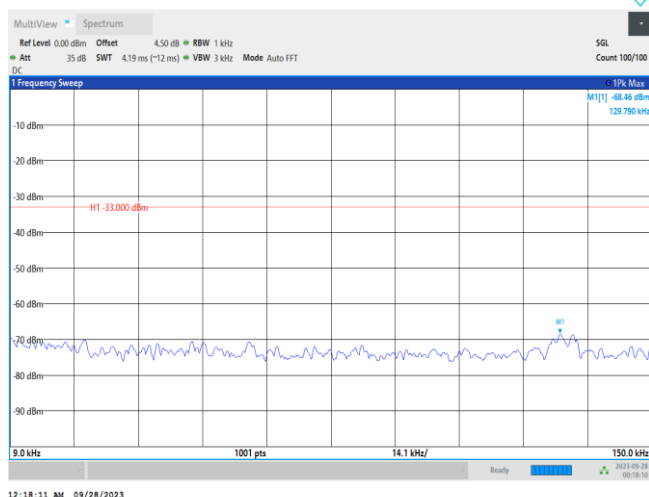
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Page: 26 of 29

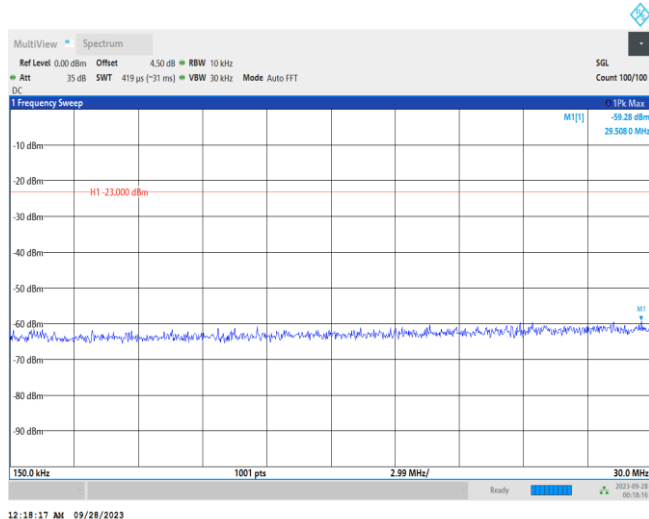
## Conducted Spurious Emission

### Test Graphs

Band26-10MHz-QPSK-26740-1RB#0-Range1:0.009~0.15MHz



Band26-10MHz-QPSK-26740-1RB#0-Range2:0.15~30MHz



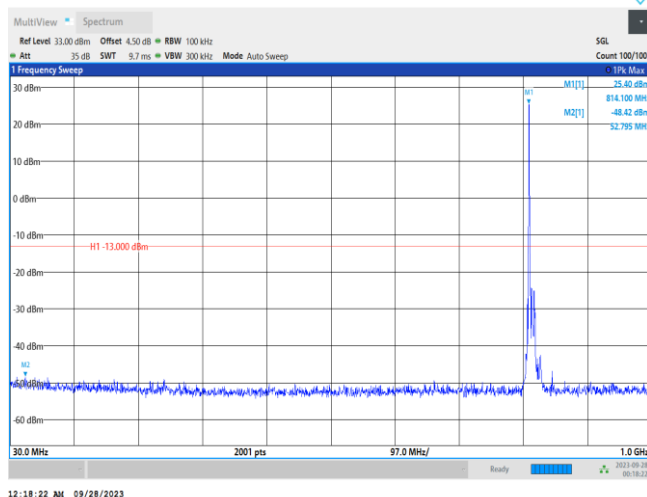


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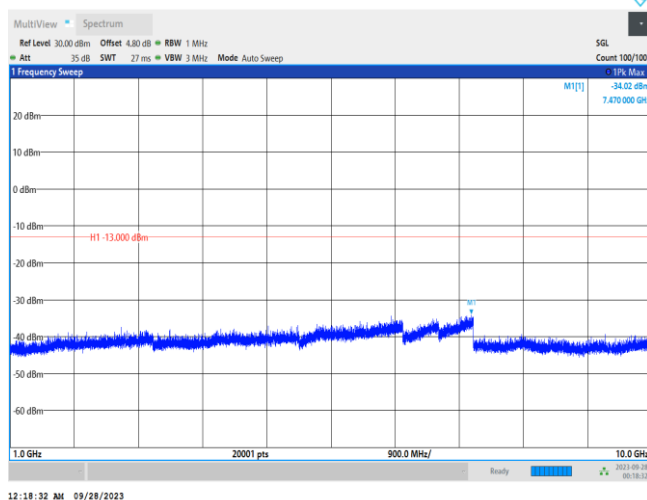
Rev.: 01

Page: 27 of 29

### Band26-10MHz-QPSK-26740-1RB#0-Range3:30~1000MHz



### Band26-10MHz-QPSK-26740-1RB#0-Range4:1000~10000MHz



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Rev.: 01

Page: 28 of 29

## Field Strength of Spurious Radiation

**Test Band = LTE\_26-10MHz**
**Test Channel = MCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1058.5	54.33	-47.24	24.13	-64.04	-13.00	51.04	Horizontal
2	1629	55.97	-47.56	25.33	-61.52	-13.00	48.52	Horizontal
3	2681.5	53.63	-46.18	27.96	-59.85	-13.00	46.85	Horizontal
4	3939	46.52	-44.23	29.86	-63.11	-13.00	50.11	Horizontal
5	5524.5	50.16	-41.87	32.30	-54.67	-13.00	41.67	Horizontal
6	7473	43.29	-38.37	36.85	-53.49	-13.00	40.49	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1058.5	53.56	-47.24	24.13	-64.81	-13.00	51.81	Vertical
2	1629	55.18	-47.56	25.33	-62.31	-13.00	49.31	Vertical
3	2681.5	55.18	-46.18	27.96	-58.30	-13.00	45.30	Vertical
4	3973.5	46.33	-44.07	29.85	-63.15	-13.00	50.15	Vertical
5	5524.5	49.28	-41.87	32.30	-55.55	-13.00	42.55	Vertical
6	8397	43.30	-37.04	36.49	-52.51	-13.00	39.51	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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Rev.: 01

Page: 29 of 29

## Frequency Stability

### Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	VL	NT	-10.41	-0.012711	PASS
Band26	10MHz	QPSK	26740	50RB#0	VN	NT	-8.75	-0.010684	PASS
Band26	10MHz	QPSK	26740	50RB#0	VH	NT	-7.45	-0.009096	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	NV	-30	-6.42	-0.007839	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	-8.94	-0.010916	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-10	-7.95	-0.009707	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	-4.41	-0.005385	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	-10.41	-0.012711	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	-7.95	-0.009707	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	-13.58	-0.016581	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	-7.87	-0.009609	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	-5.64	-0.006886	PASS

---End of Attachment---



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