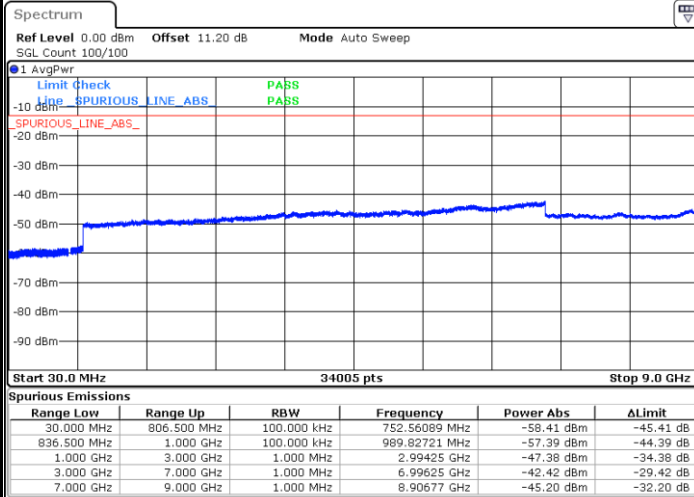




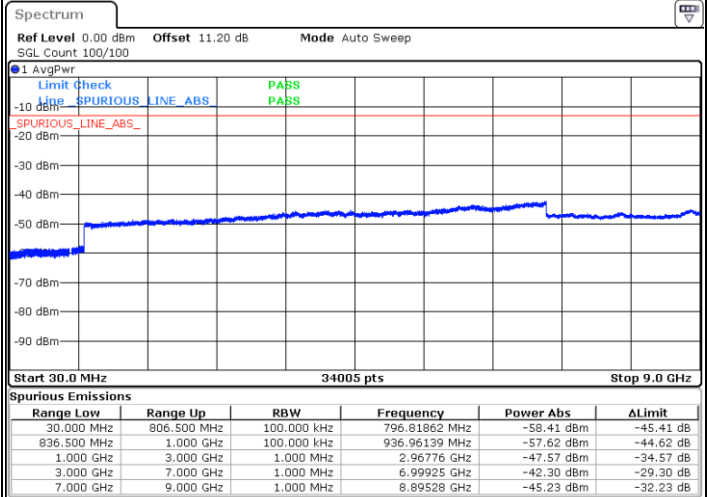
LTE Band 26 / 3MHz

Lowest Channel / QPSK



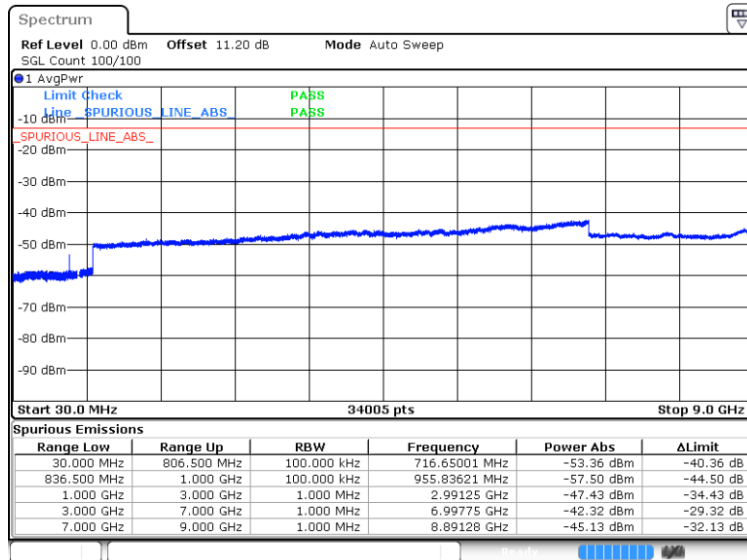
Date: 25 MAR 2021 23:48:39

Middle Channel / QPSK



Date: 25 MAR 2021 23:49:35

Highest Channel / QPSK

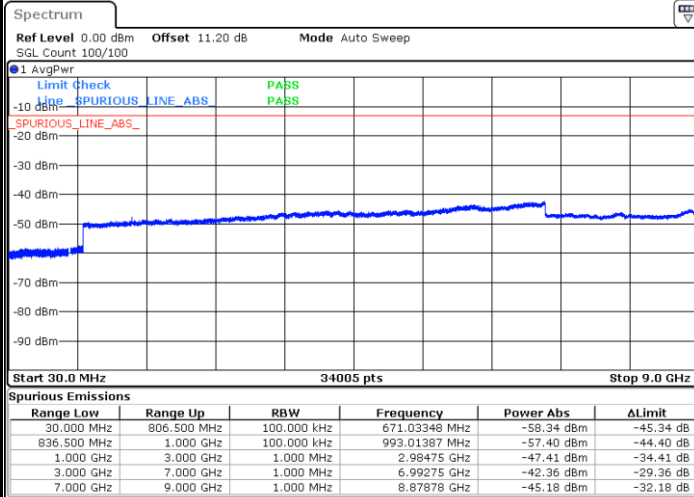


Date: 25 MAR 2021 23:50:30



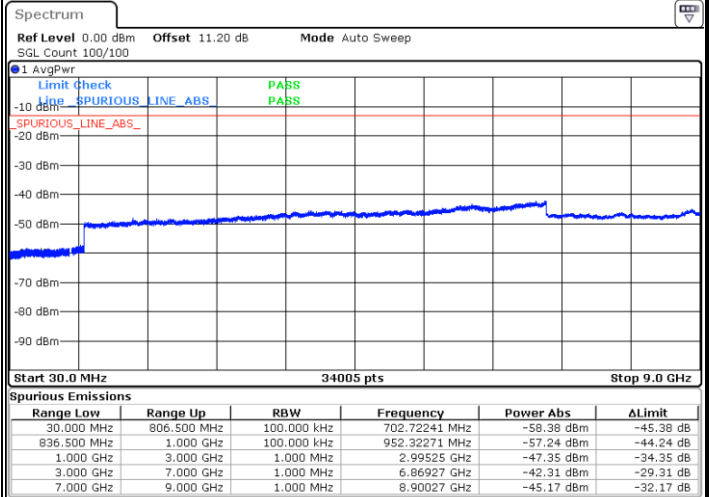
LTE Band 26 / 5MHz

Lowest Channel / QPSK



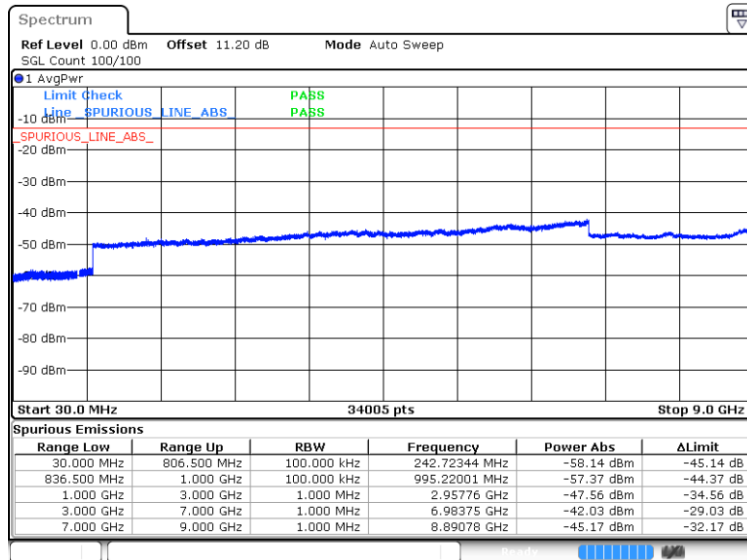
Date: 26 MAR 2021 00:00:53

Middle Channel / QPSK

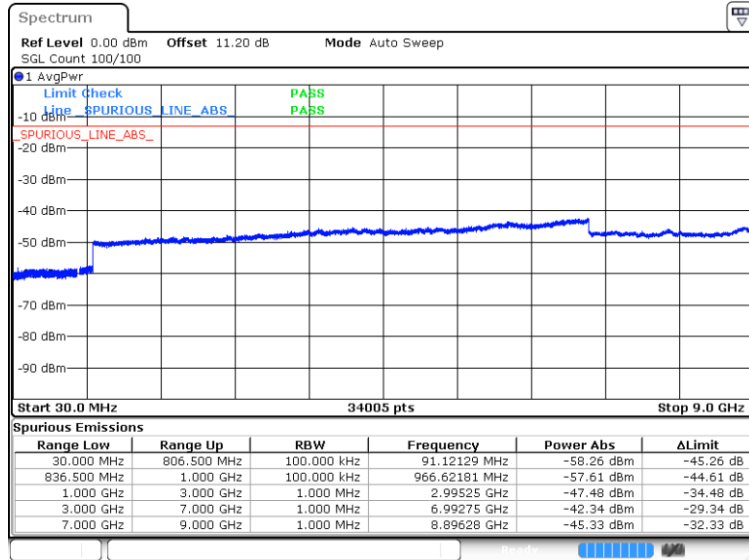


Date: 26 MAR 2021 00:00:28

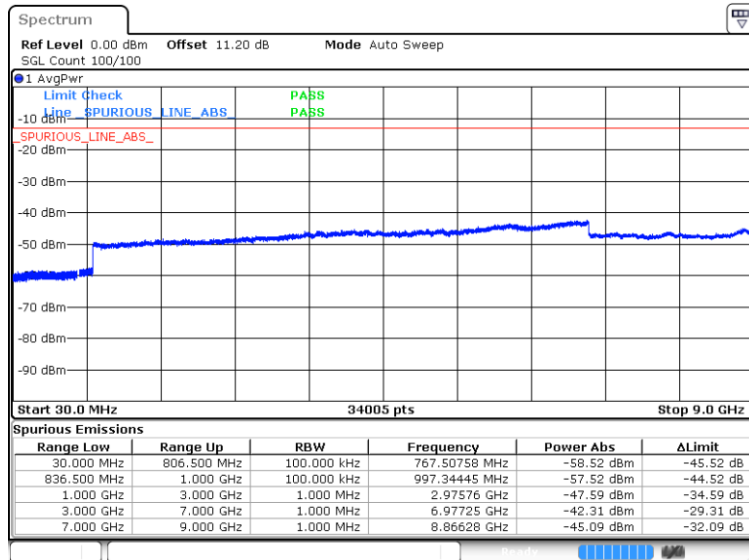
Highest Channel / QPSK



Date: 26 MAR 2021 00:04:23

LTE Band 26 / 10MHz
Middle Channel / QPSK


Date: 26.MAR.2021 00:16:24

LTE Band 26 / 15MHz
Low Channel / QPSK


Date: 26.MAR.2021 00:32:04

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0148	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0093	
0	Normal Voltage	0.0088	
-10	Normal Voltage	0.0092	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0070	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0137	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0194	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0097	
0	Normal Voltage	0.0151	
-10	Normal Voltage	0.0095	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0152	
20	Maximum Voltage	0.0180	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0195	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

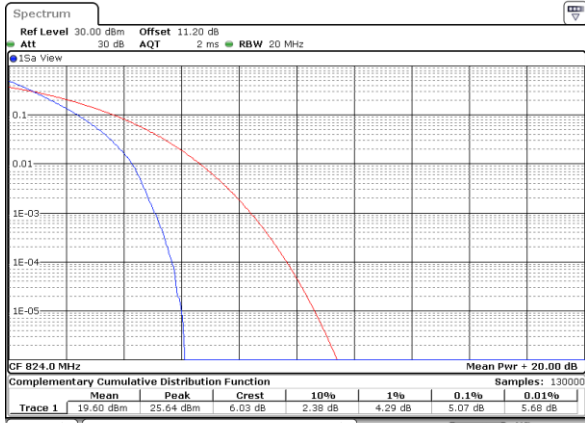
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
824MHz	5.07	5.91	6.46	-	PASS



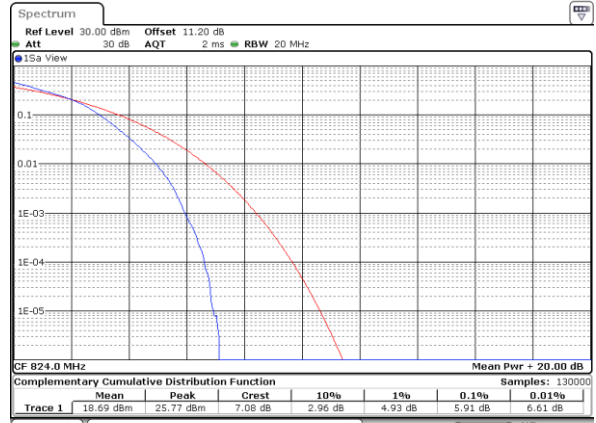
LTE Band 26 / 15MHz / QPSK

824MHz / Full RB



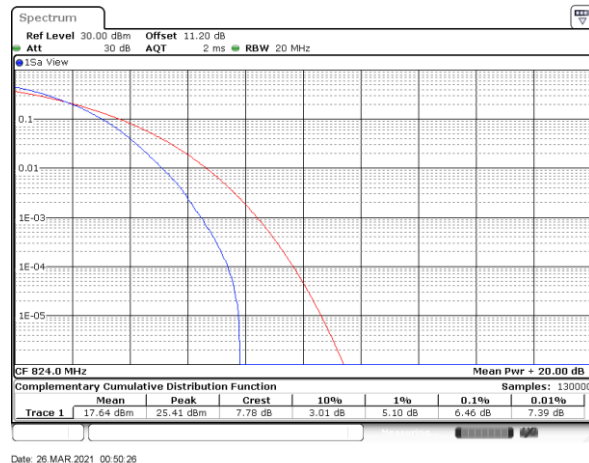
LTE Band 26 / 15MHz / 16QAM

824MHz / Full RB



LTE Band 26 / 15MHz / 64QAM

824MHz / Full RB



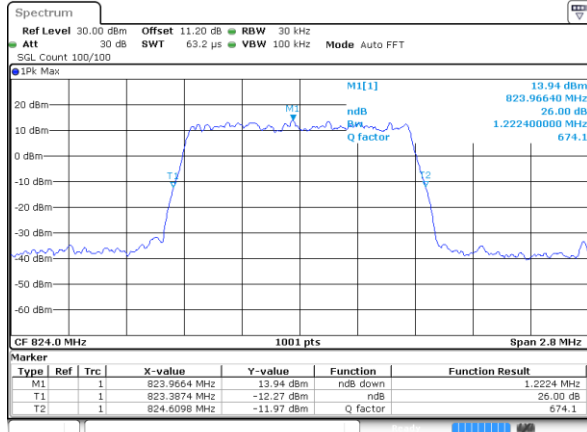
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
824MHz	1.22	1.23	2.99	3.09	4.86	4.96	9.71	9.83	14.51	14.42	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
824MHz	1.21	-	2.99	-	4.89	-	9.69	-	14.51	-	-	-

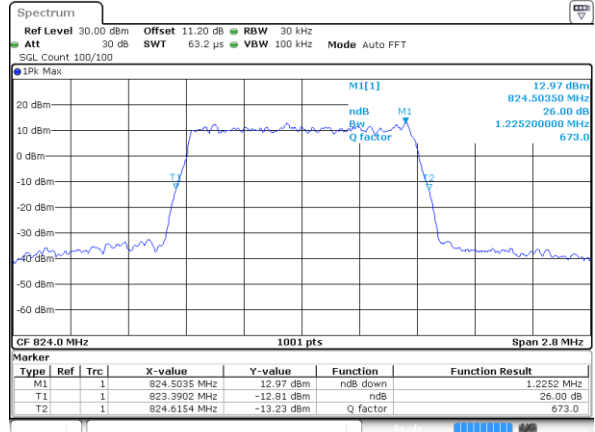


LTE Band 26

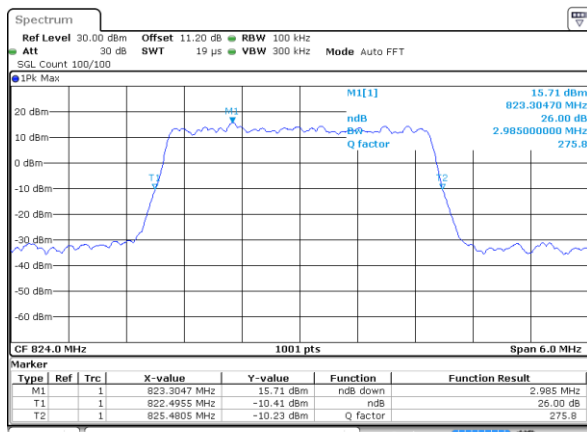
824MHz / 1.4MHz / QPSK



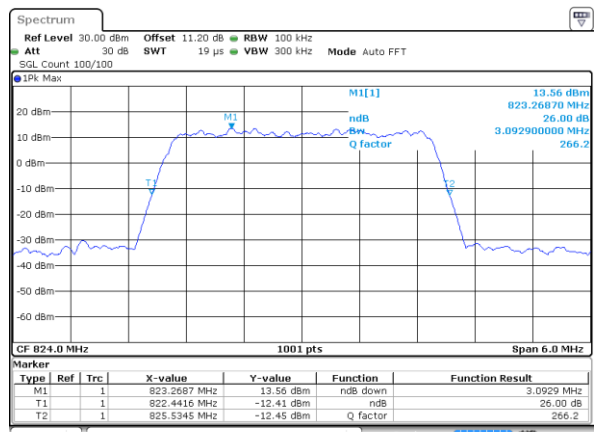
824MHz / 1.4MHz / 16QAM



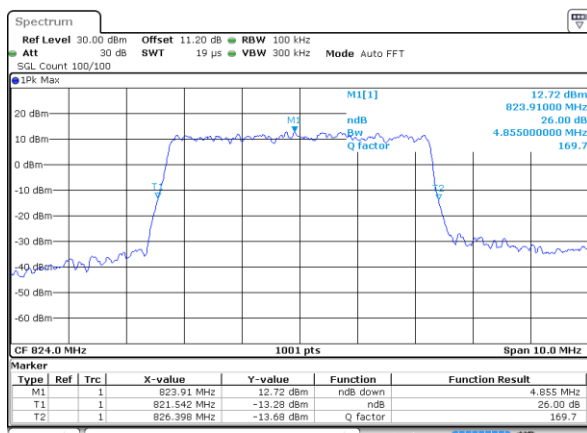
824MHz / 3MHz / QPSK



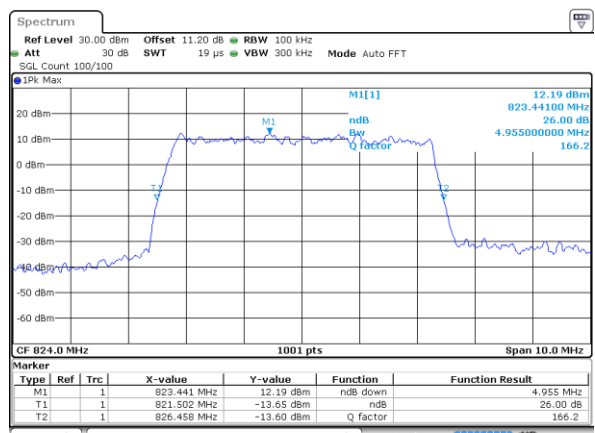
824MHz / 3MHz / 16QAM



824MHz / 5MHz / QPSK



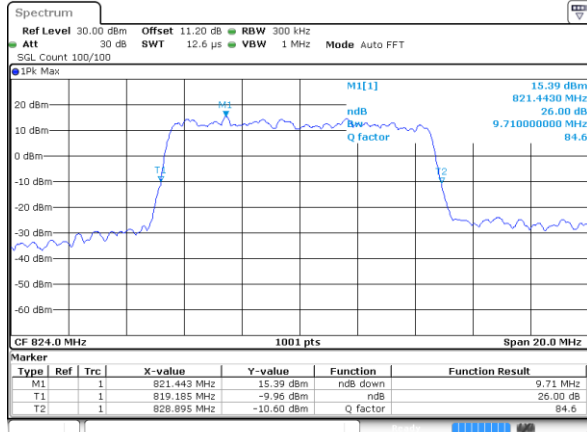
824MHz / 5MHz / 16QAM



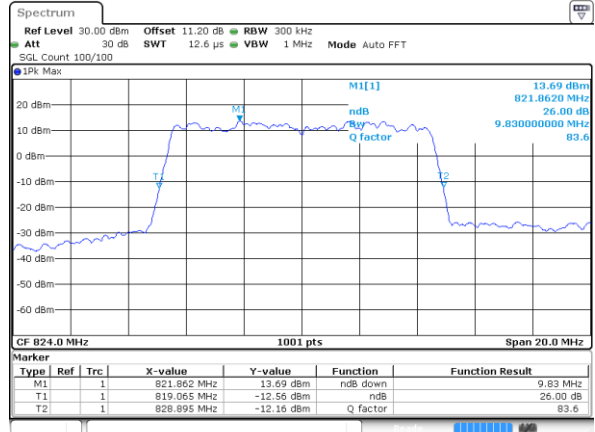


LTE Band 26

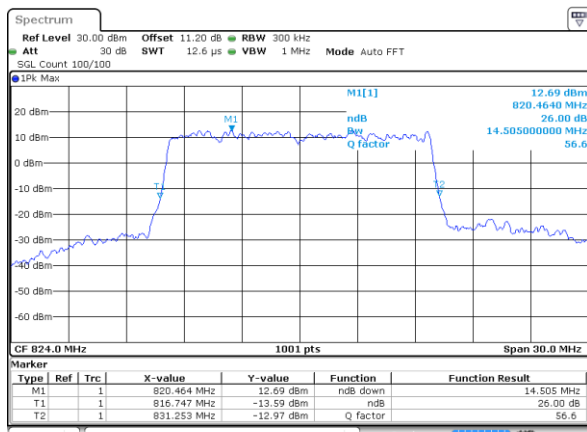
824MHz / 10MHz / QPSK



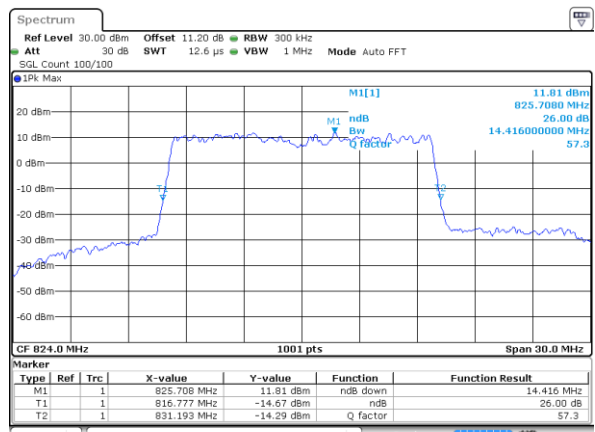
824MHz / 10MHz / 16QAM



824MHz / 15MHz / QPSK



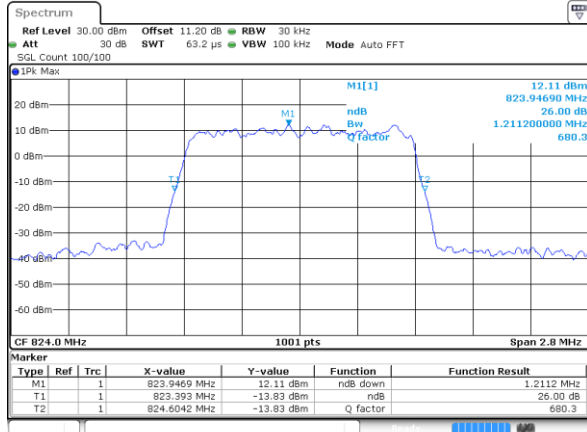
824MHz / 15MHz / 16QAM



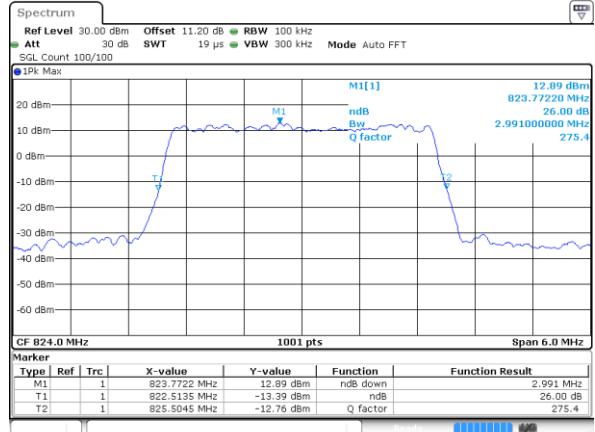


LTE Band 26

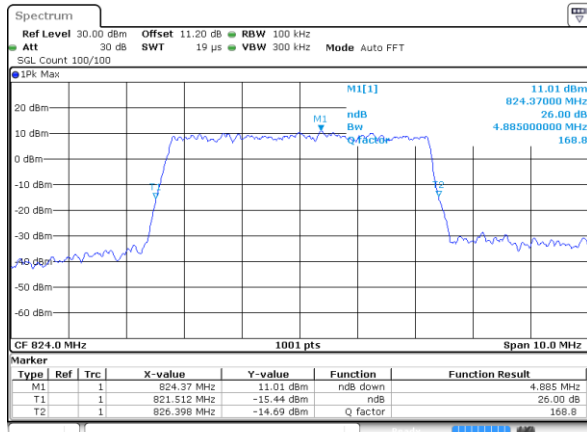
824MHz / 1.4MHz / 64QAM



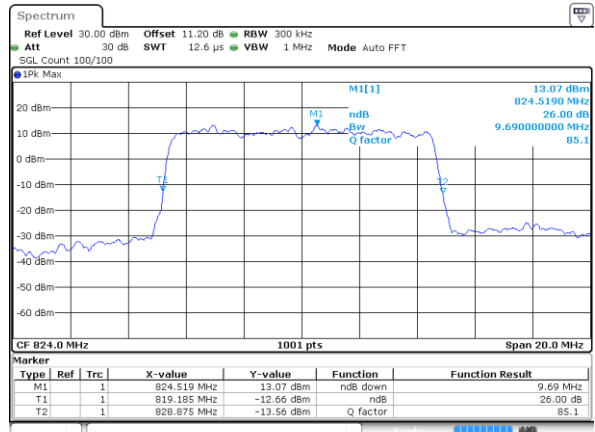
824MHz / 3MHz / 64QAM



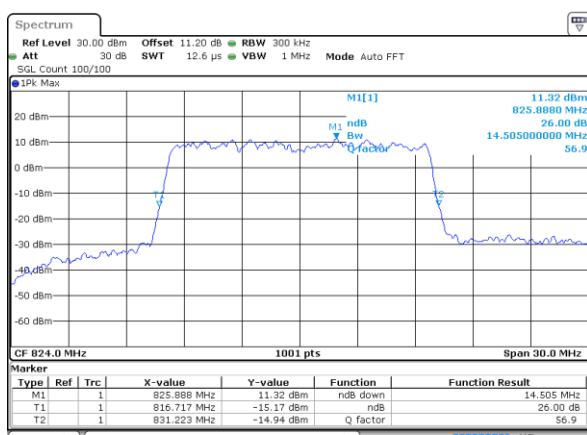
824MHz / 5MHz / 64QAM



824MHz / 10MHz / 64QAM



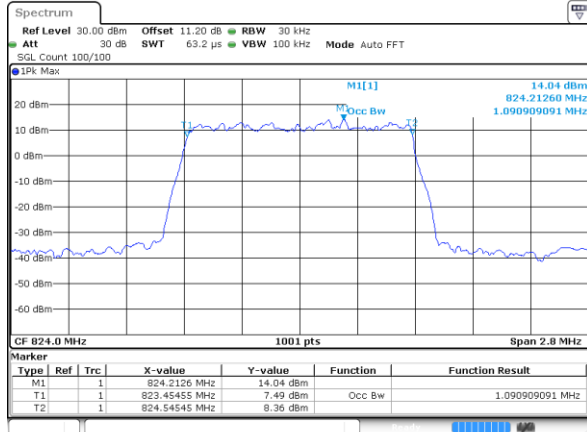
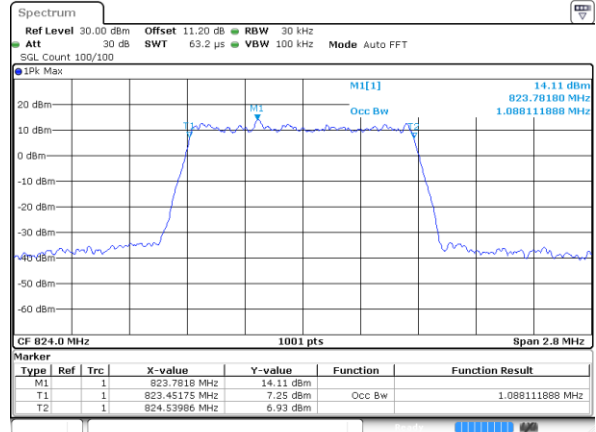
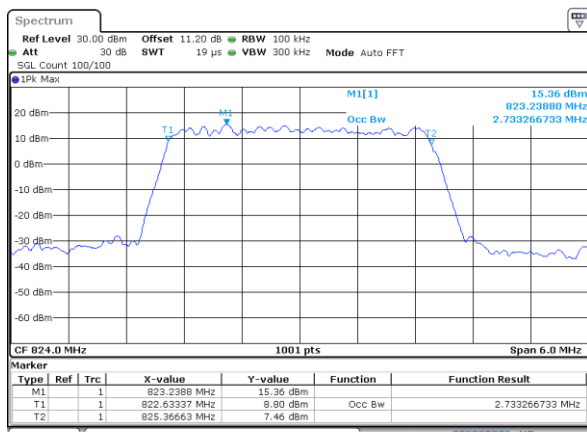
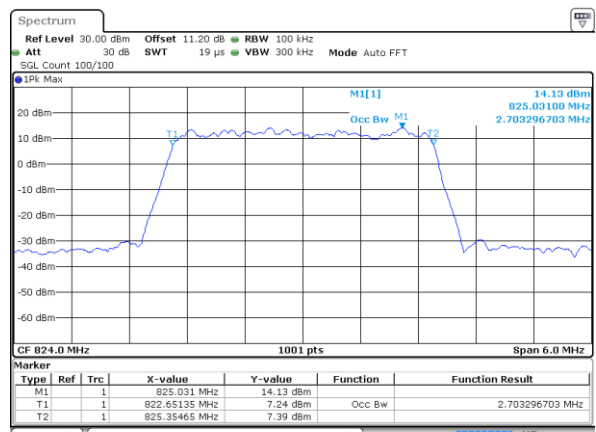
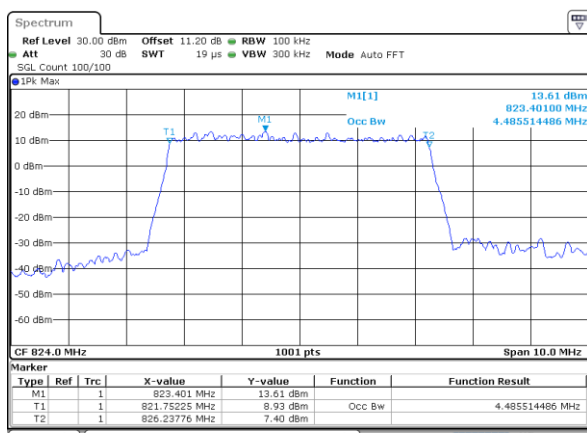
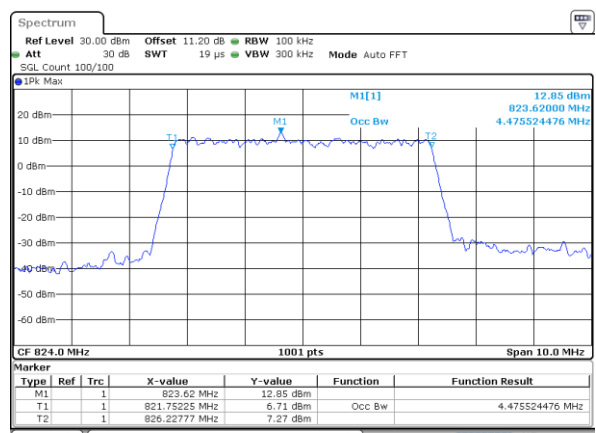
824MHz / 15MHz / 64QAM

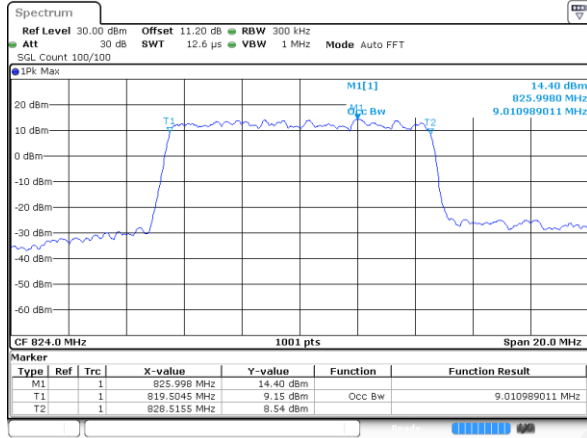
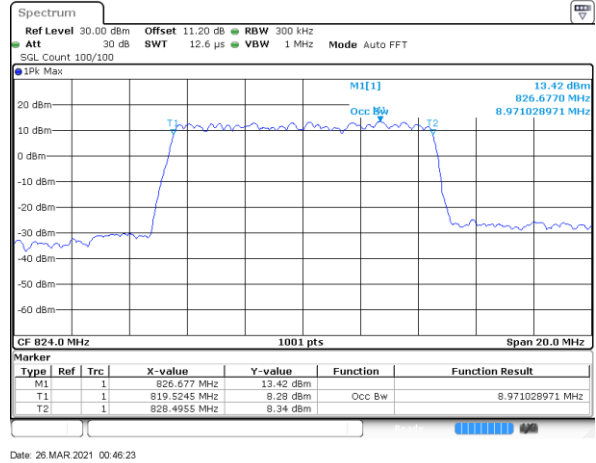
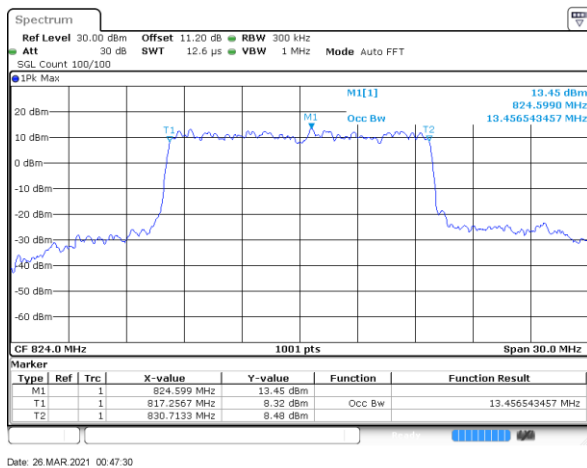
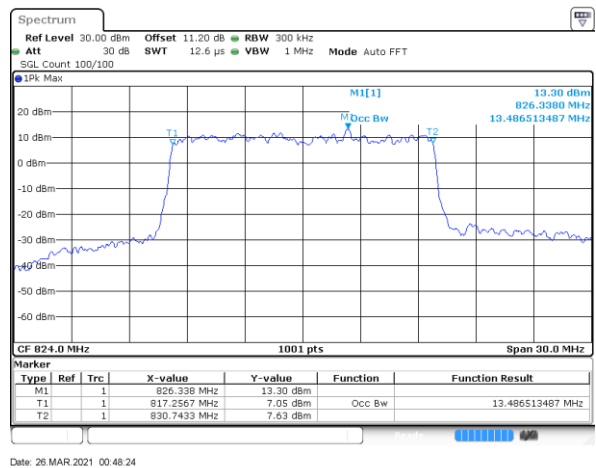


N/A

**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
824MHz	1.09	1.09	2.73	2.70	4.49	4.48	9.01	8.97	13.46	13.49	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
824MHz	1.09	-	2.72	-	4.48	-	9.01	-	13.49	-	-	-

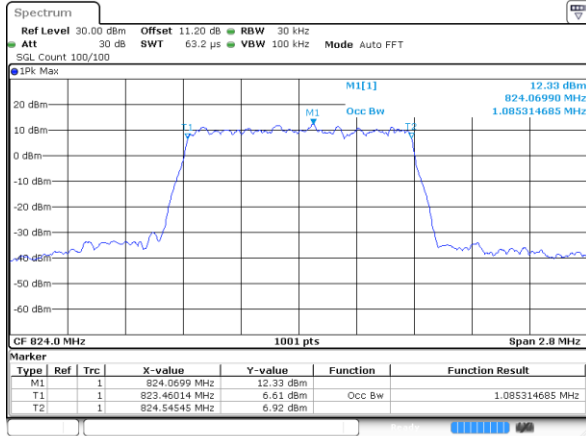
LTE Band 26
824MHz / 1.4MHz / QPSK

824MHz / 1.4MHz / 16QAM

824MHz / 3MHz / QPSK

824MHz / 3MHz / 16QAM

824MHz / 5MHz / QPSK

824MHz / 5MHz / 16QAM


LTE Band 26
824MHz / 10MHz / QPSK

824MHz / 10MHz / 16QAM

824MHz / 15MHz / QPSK

824MHz / 15MHz / 16QAM


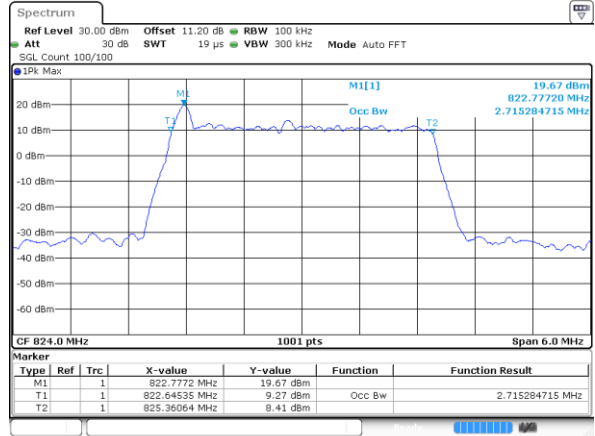


LTE Band 26

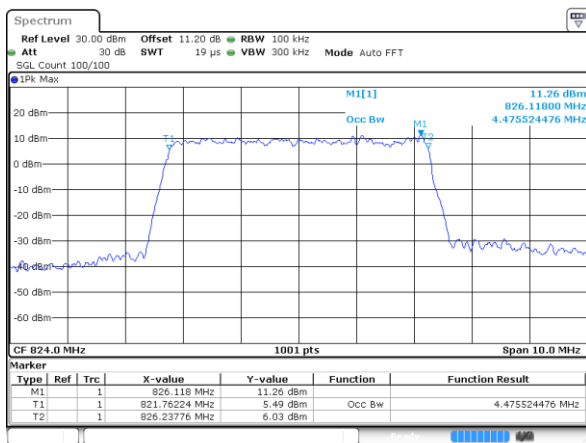
824MHz / 1.4MHz / 64QAM



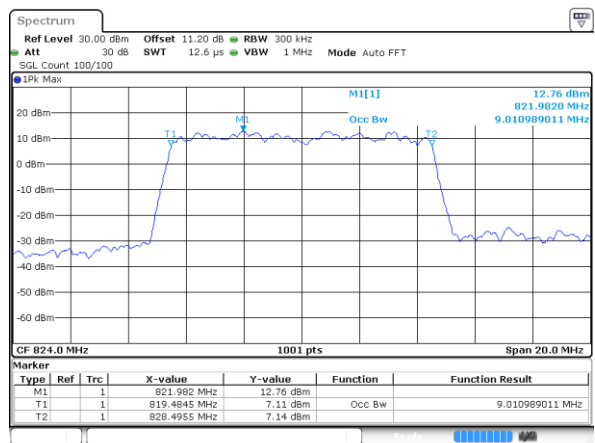
824MHz / 3MHz / 64QAM



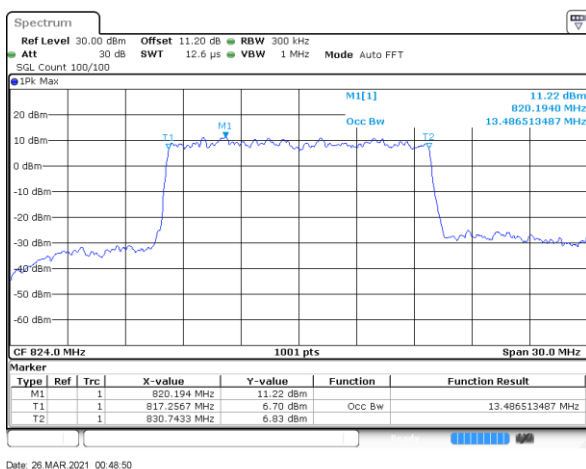
824MHz / 5MHz / 64QAM



824MHz / 10MHz / 64QAM



824MHz / 15MHz / 64QAM



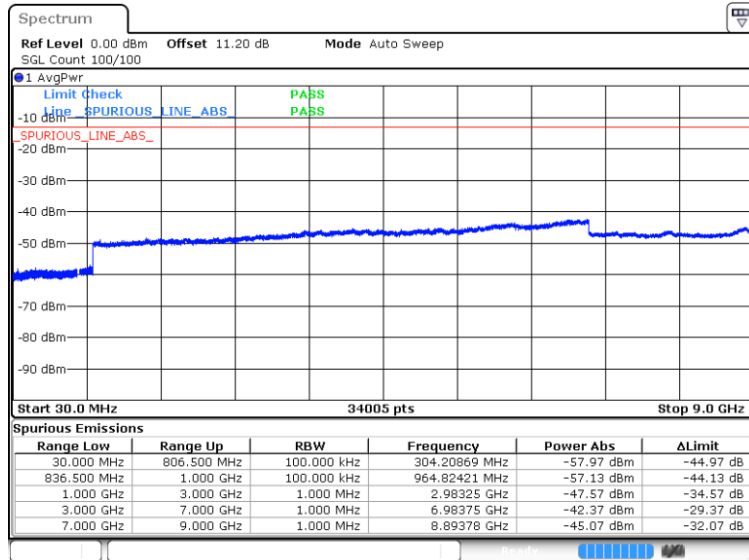
N/A



Conducted Spurious Emission

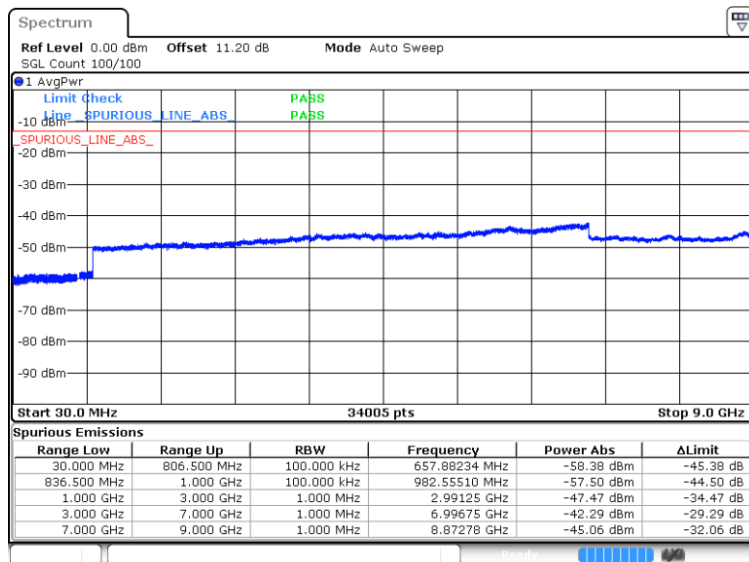
LTE Band 26 / 1.4MHz

824MHz / QPSK



LTE Band 26 / 3MHz

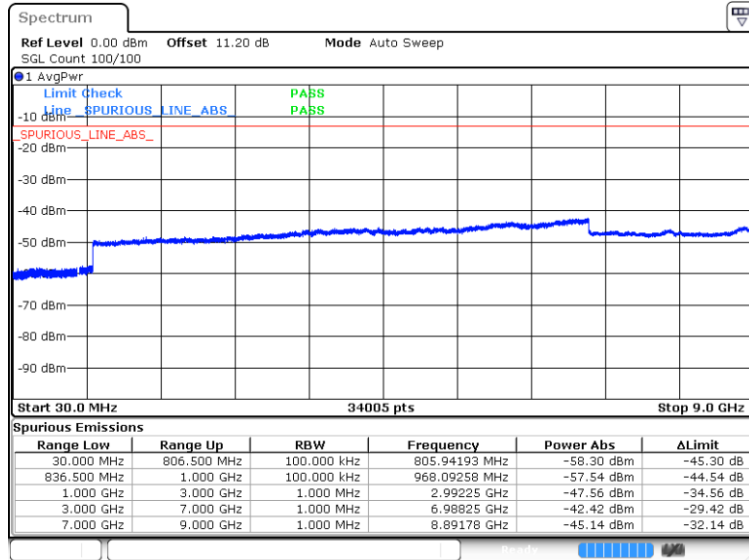
824MHz / QPSK





LTE Band 26 / 5MHz

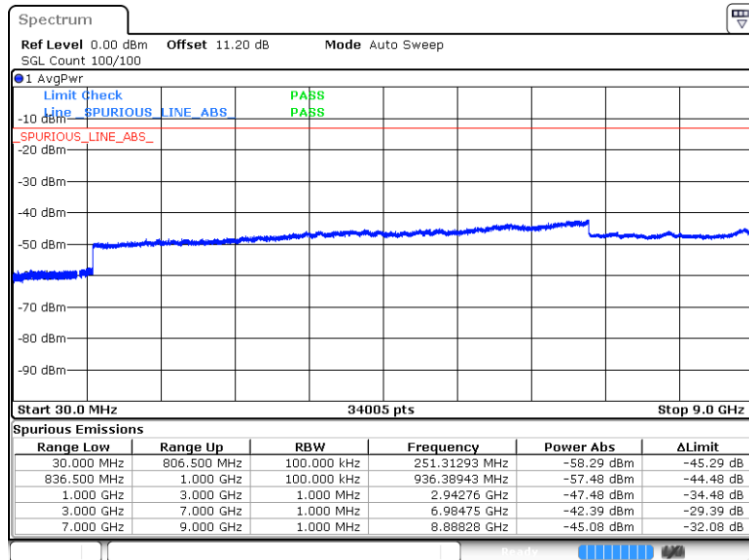
824MHz / QPSK



Date: 26.MAR.2021 00:53:16

LTE Band 26 / 10MHz

824MHz / QPSK

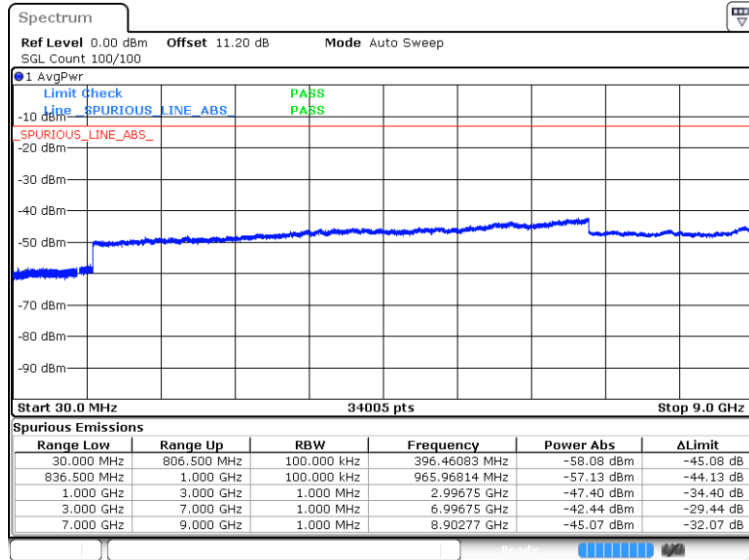


Date: 26.MAR.2021 00:54:13



LTE Band 26 / 15MHz

824MHz / QPSK



Date: 26.MAR.2021 00:55:09

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / 824MHz	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0148	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0093	
0	Normal Voltage	0.0088	
-10	Normal Voltage	0.0092	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0070	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0137	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Sub>

LTE Band 26

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1624	-62.63	-13	-49.63	-70.99	-68.14	0.91	8.57	H
	2440	-58.56	-13	-45.56	-71.96	-65.89	1.14	10.62	H
	3256	-57.02	-13	-44.02	-72.45	-65.47	1.32	11.91	H
									H
									H
									H
	1624	-61.38	-13	-48.38	-69.29	-66.89	0.91	8.57	V
	2440	-58.46	-13	-45.46	-71.93	-65.79	1.14	10.62	V
	3256	-56.47	-13	-43.47	-72.39	-64.92	1.32	11.91	V
									V
									V
									V
Middle	1632	-62.35	-13	-49.35	-70.72	-67.89	0.91	8.60	H
	2448	-58.95	-13	-45.95	-72.37	-66.29	1.14	10.63	H
	3264	-56.72	-13	-43.72	-72.13	-65.19	1.32	11.93	H
									H
									H
									H
	1632	-60.71	-13	-47.71	-68.61	-66.25	0.91	8.60	V
	2448	-58.75	-13	-45.75	-72.26	-66.09	1.14	10.63	V
	3264	-56.25	-13	-43.25	-72.14	-64.72	1.32	11.93	V
									V
									V
									V



Highest	1640	-62.33	-13	-49.33	-70.73	-67.89	0.92	8.63	H
	2456	-58.64	-13	-45.64	-72.07	-65.99	1.14	10.64	H
	3280	-57.10	-13	-44.10	-72.48	-65.60	1.32	11.97	H
									H
									H
									H
	1640	-61.25	-13	-48.25	-69.14	-66.81	0.92	8.63	V
	2456	-58.95	-13	-45.95	-72.48	-66.30	1.14	10.64	V
	3280	-56.08	-13	-43.08	-71.94	-64.58	1.32	11.97	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1632	-62.42	-13	-49.42	-70.79	-67.96	0.91	8.60	H
	2440	-58.79	-13	-45.79	-72.19	-66.12	1.14	10.62	H
	3256	-56.86	-13	-43.86	-72.29	-65.31	1.32	11.91	H
									H
									H
									H
									H
	1632	-60.96	-13	-47.96	-68.86	-66.50	0.91	8.60	V
	2440	-58.53	-13	-45.53	-72	-65.86	1.14	10.62	V
	3256	-56.55	-13	-43.55	-72.47	-65.00	1.32	11.91	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-49.95	-13	-36.95	-71.32	-55.49	0.91	8.60	H
	2448	-45.89	-13	-32.89	-72.31	-53.23	1.14	10.63	H
	3256	-57.20	-13	-44.20	-72.63	-65.65	1.32	11.91	H
									H
									H
									H
									H
	1632	-62.51	-13	-49.51	-70.41	-68.05	0.91	8.60	V
	2448	-58.45	-13	-45.45	-71.96	-65.79	1.14	10.63	V
	3256	-56.48	-13	-43.48	-72.4	-64.93	1.32	11.91	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
824MHZ	1648	-62.84	-13	-49.84	-71.26	-68.43	0.92	8.66	H
	2472	-58.46	-13	-45.46	-71.91	-65.83	1.14	10.66	H
	3296	-57.28	-13	-44.28	-72.61	-65.82	1.32	12.01	H
									H
									H
									H
									H
	1648	-63.68	-13	-50.68	-71.57	-69.27	0.92	8.66	V
	2472	-58.63	-13	-45.63	-72.23	-66.00	1.14	10.66	V
	3296	-56.83	-13	-43.83	-72.63	-65.37	1.32	12.01	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

—————THE END—————