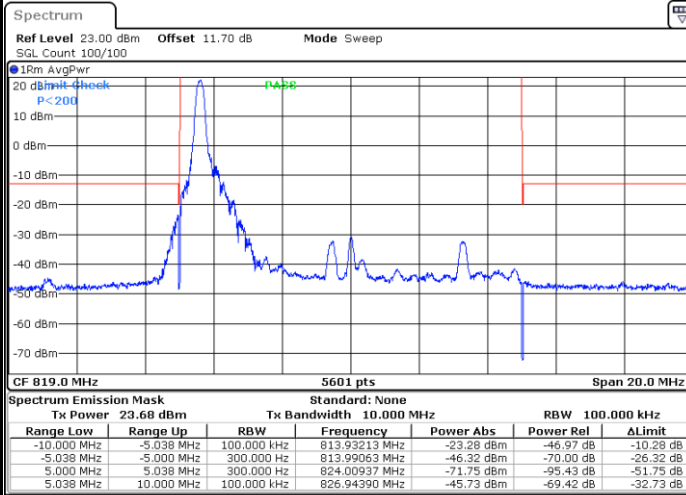


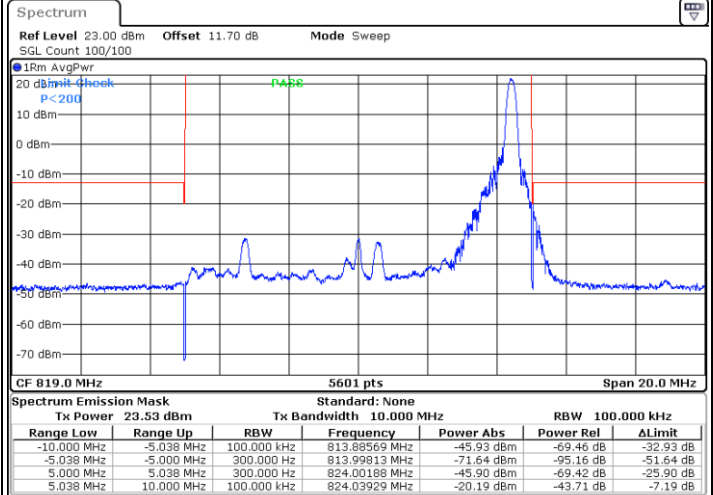


LTE Band 26 / 10MHz / QPSK

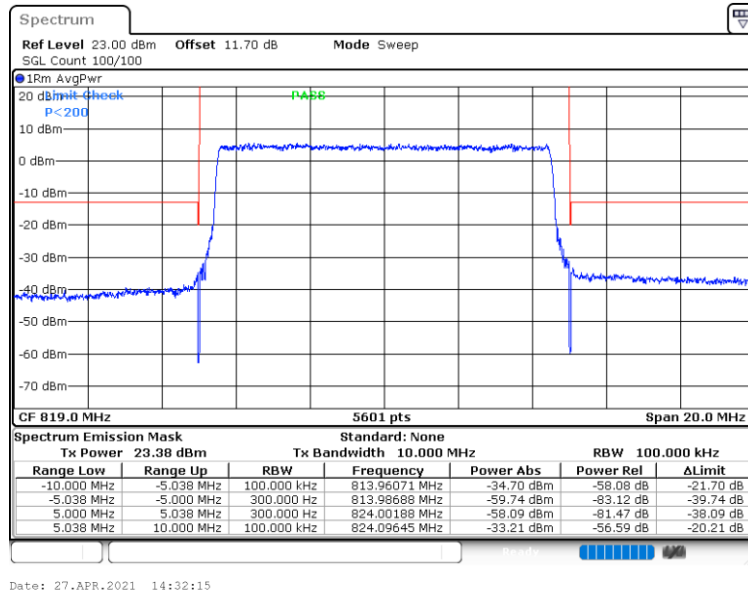
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



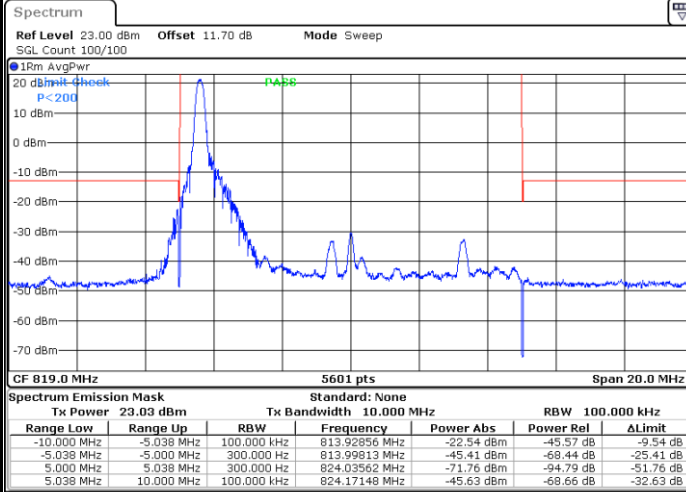
Lowest Band Edge / Full RB



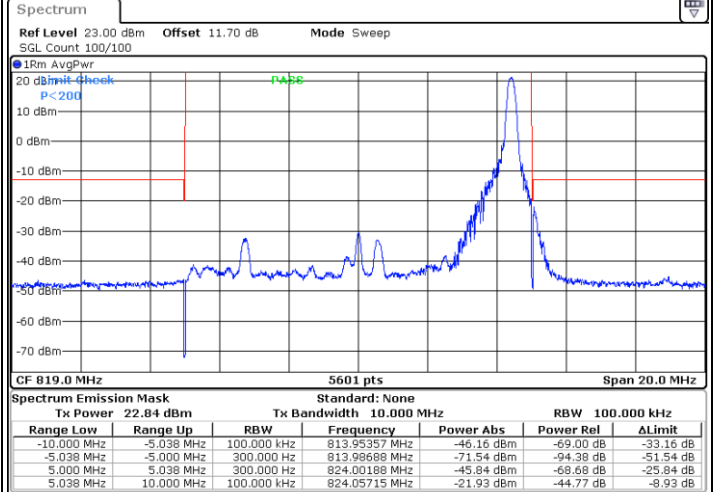


LTE Band 26 / 10MHz / 16QAM

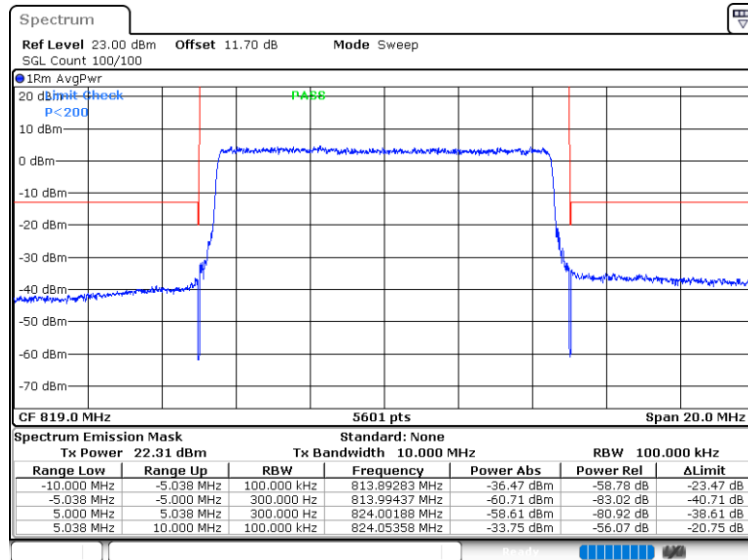
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



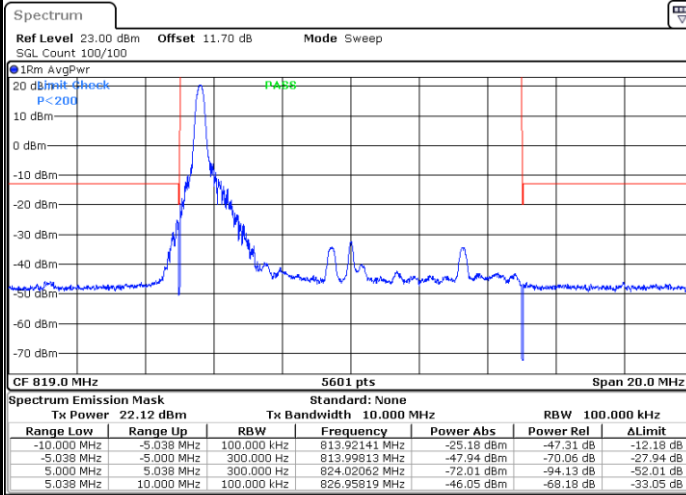
Lowest Band Edge / Full RB



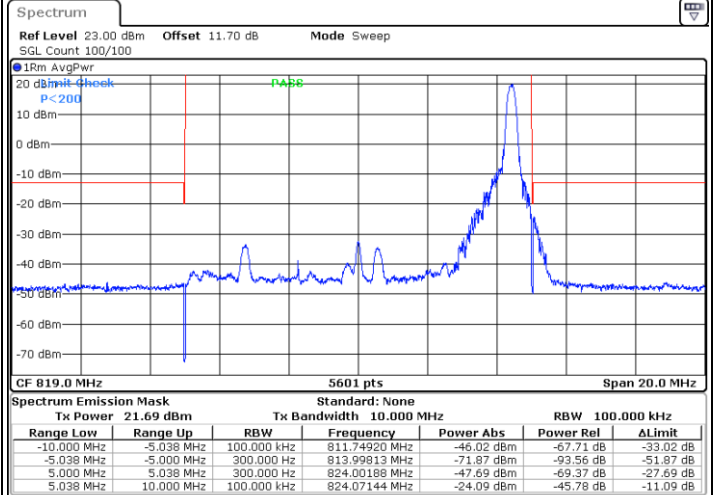


LTE Band 26 / 10MHz / 64QAM

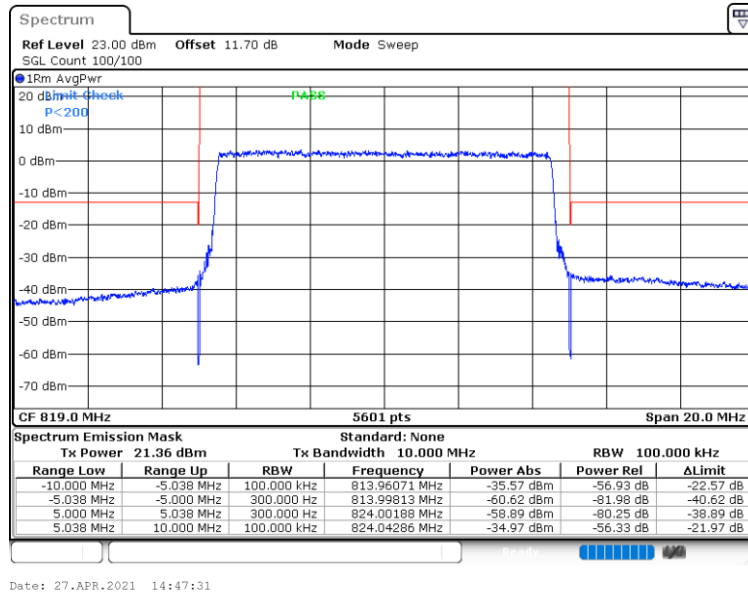
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



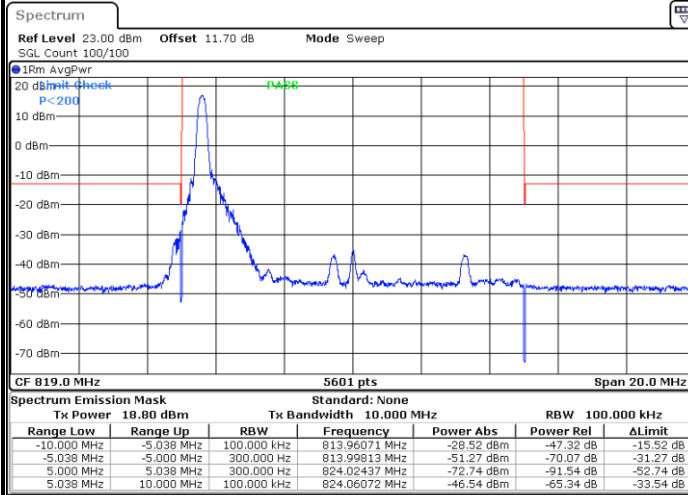
Lowest Band Edge / Full RB



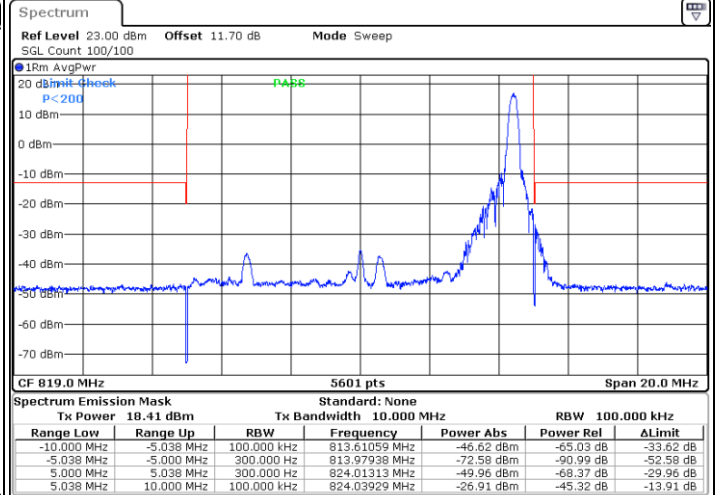


LTE Band 26 / 10MHz / 256QAM

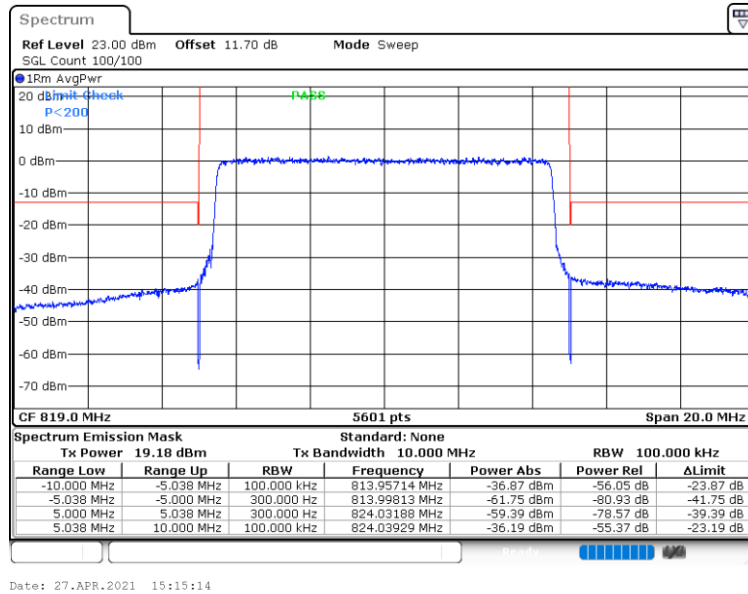
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



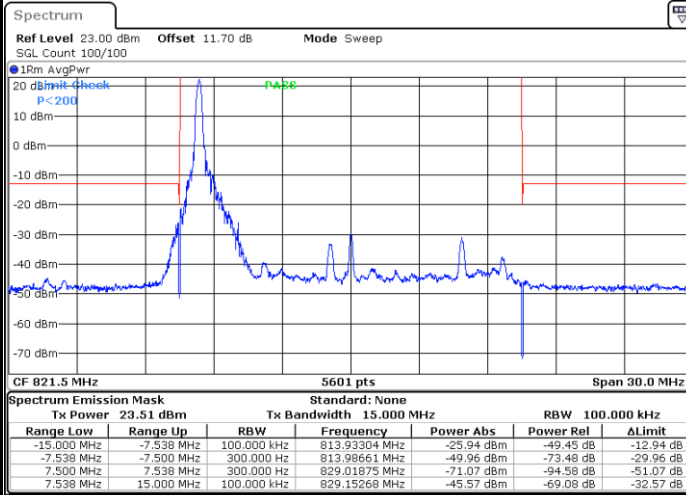
Lowest Band Edge / Full RB



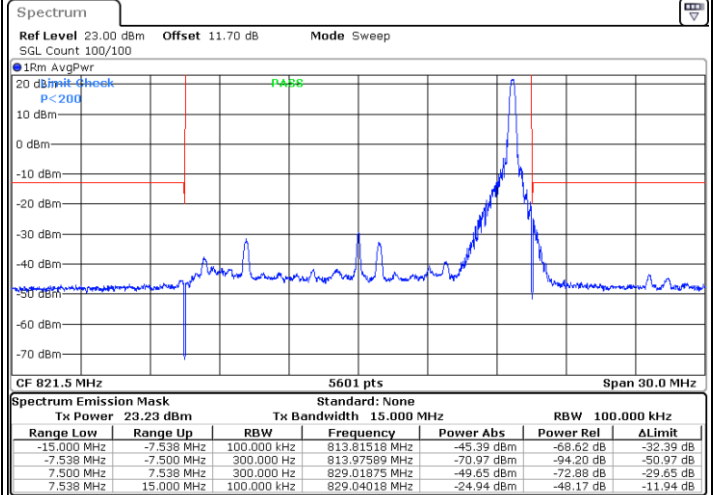


LTE Band 26 / 15MHz / QPSK

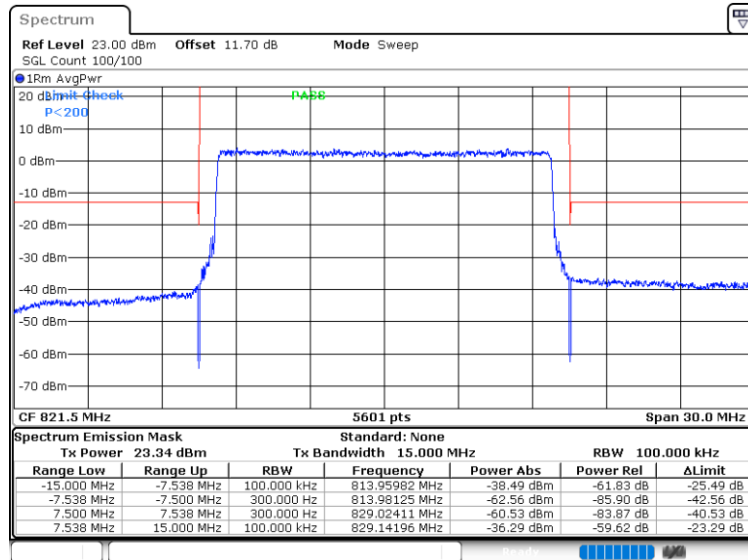
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



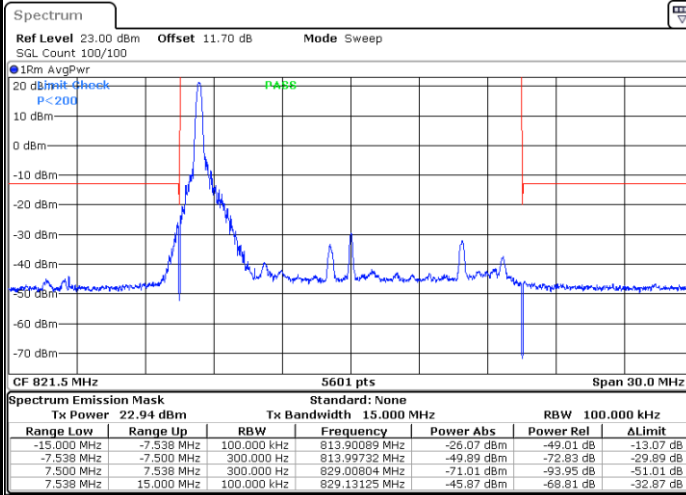
Lowest Band Edge / Full RB



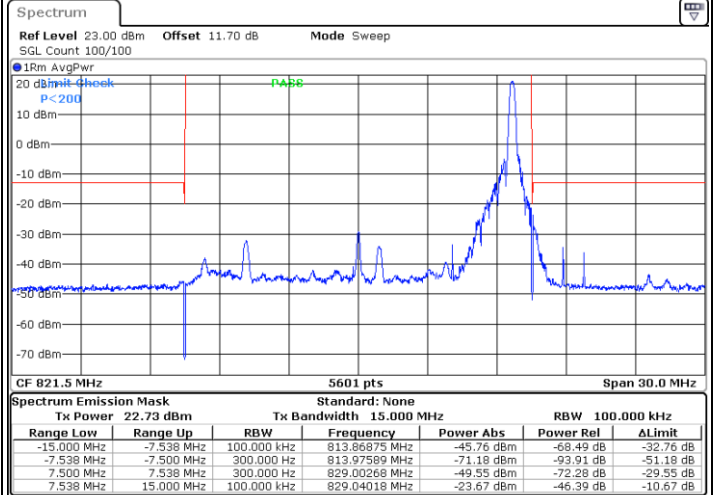


LTE Band 26 / 15MHz / 16QAM

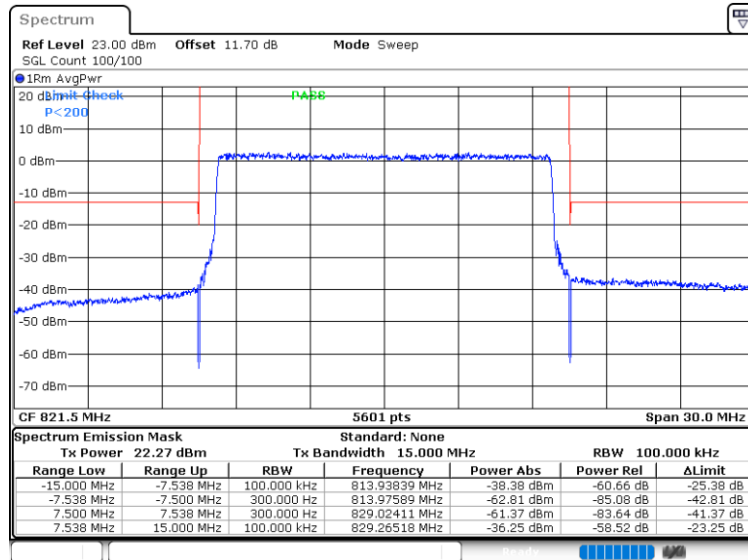
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



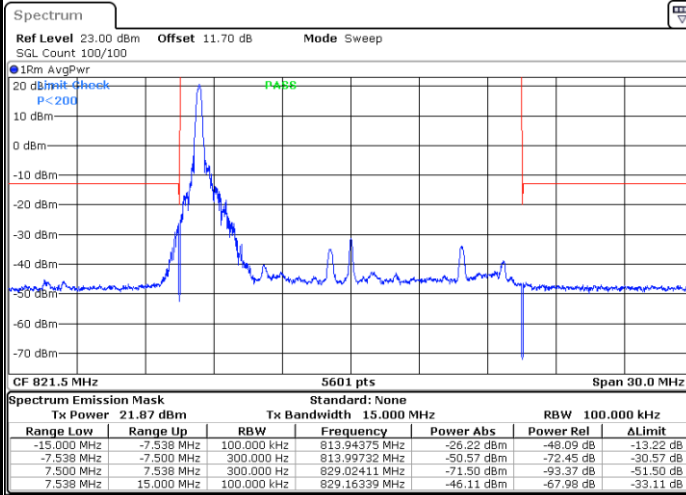
Lowest Band Edge / Full RB



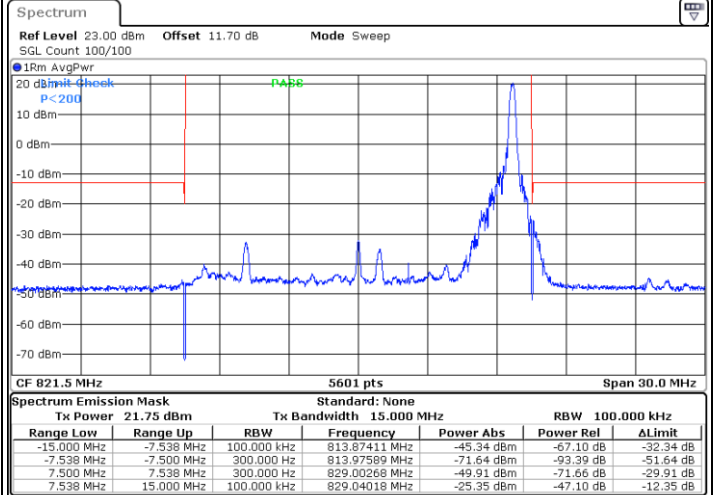


LTE Band 26 / 15MHz / 64QAM

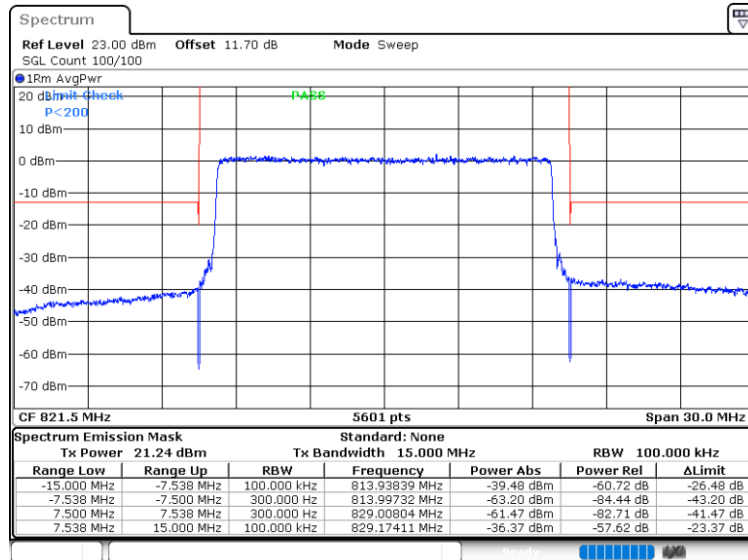
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



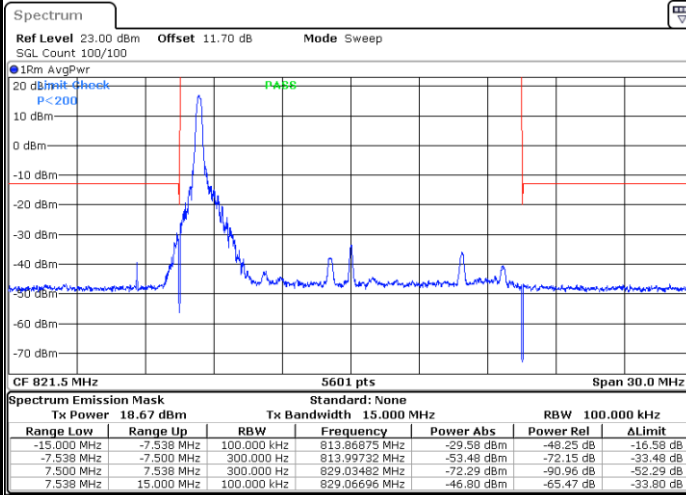
Lowest Band Edge / Full RB



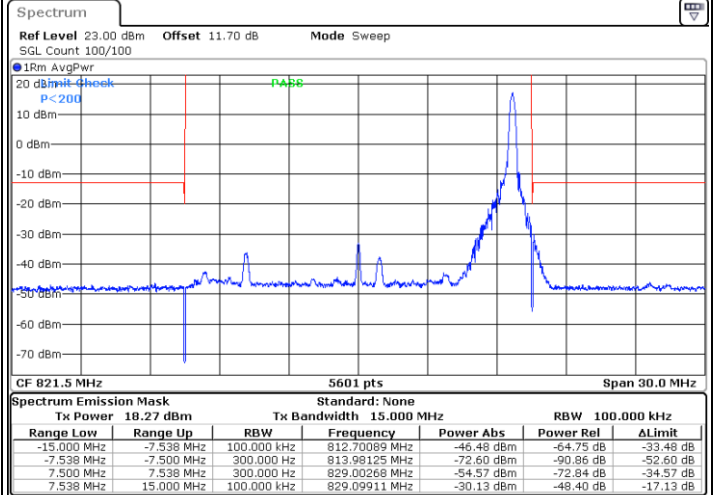


LTE Band 26 / 15MHz / 256QAM

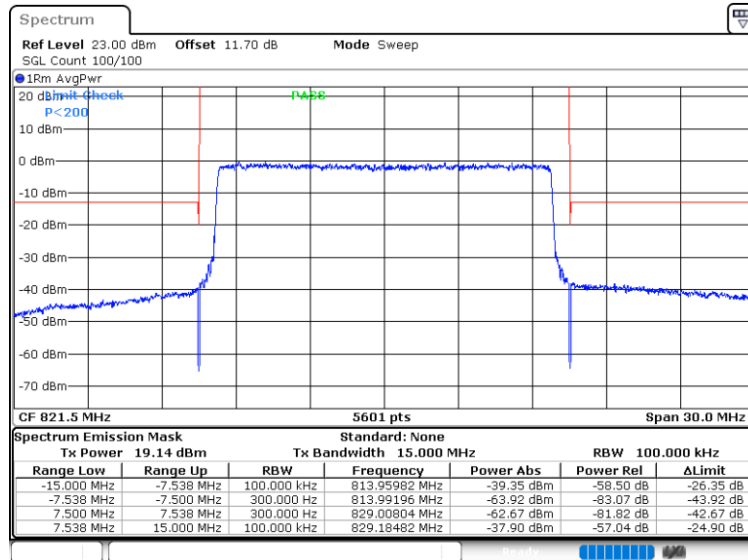
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

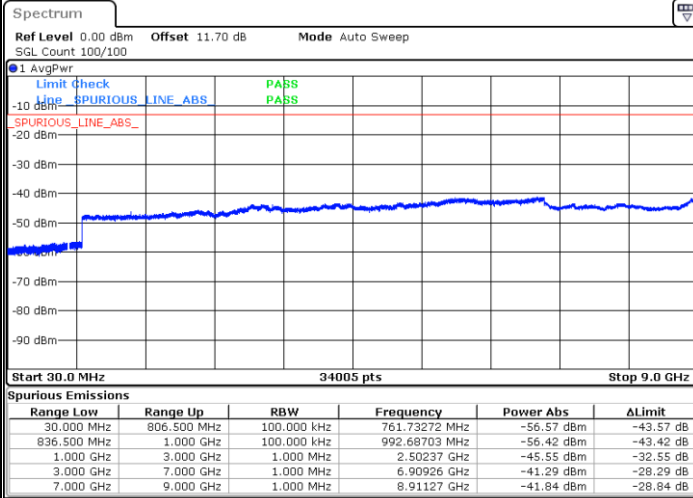




Emission masks – Out of band emissions

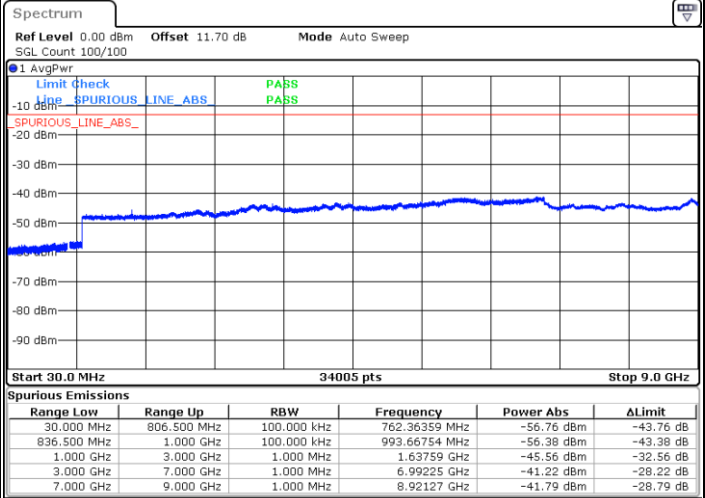
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



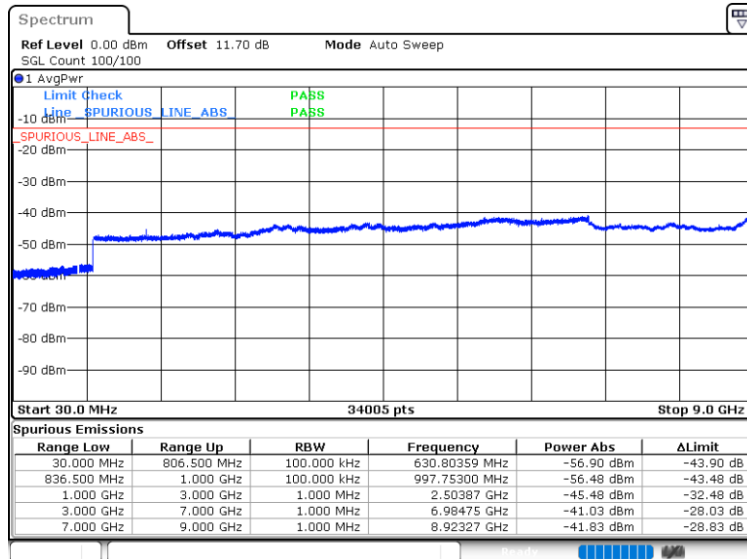
Date: 27.APR.2021 14:00:28

Middle Channel / QPSK



Date: 27.APR.2021 14:03:10

Highest Channel / QPSK

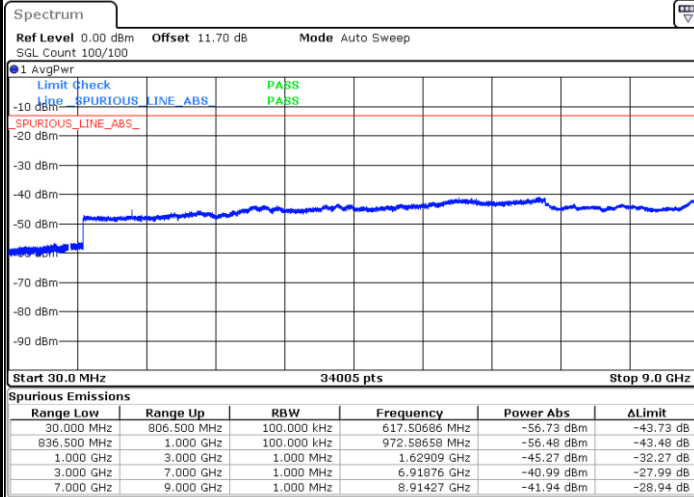


Date: 27.APR.2021 14:04:22



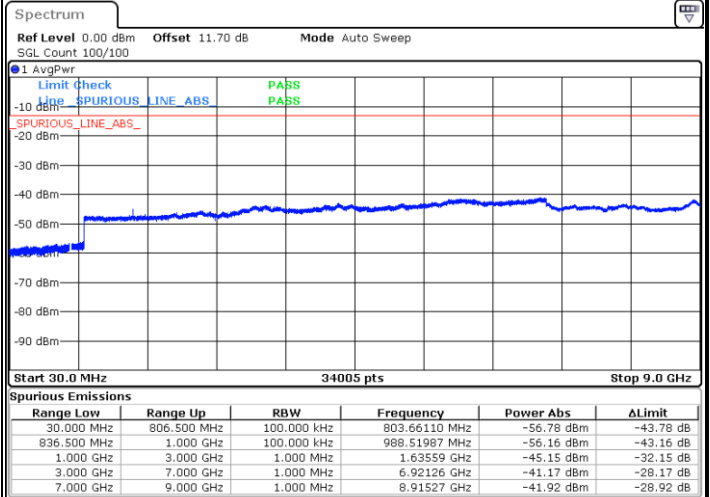
LTE Band 26 / 3MHz

Lowest Channel / QPSK



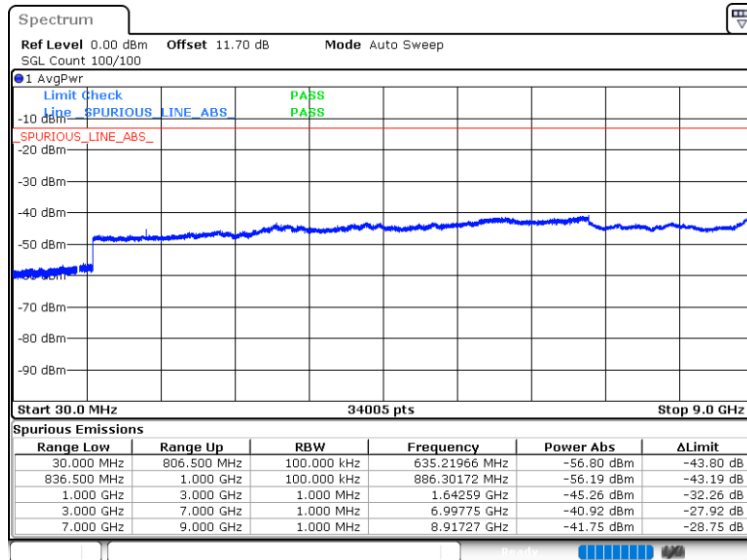
Date: 27.APR.2021 14:54:22

Middle Channel / QPSK



Date: 27.APR.2021 14:57:05

Highest Channel / QPSK

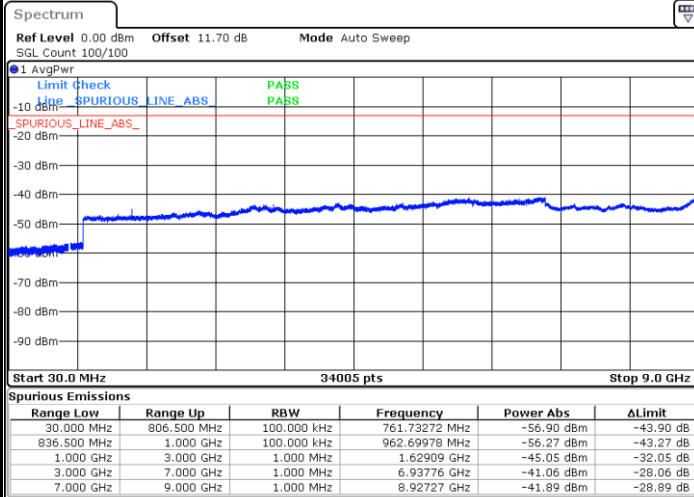


Date: 27.APR.2021 14:58:17



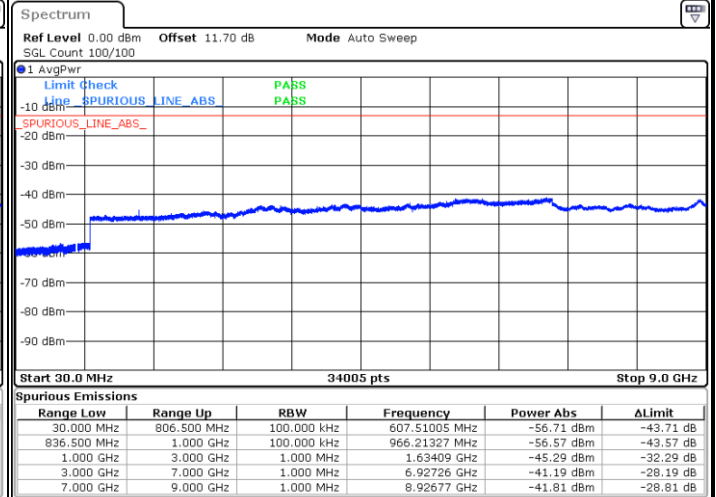
LTE Band 26 / 5MHz

Lowest Channel / QPSK



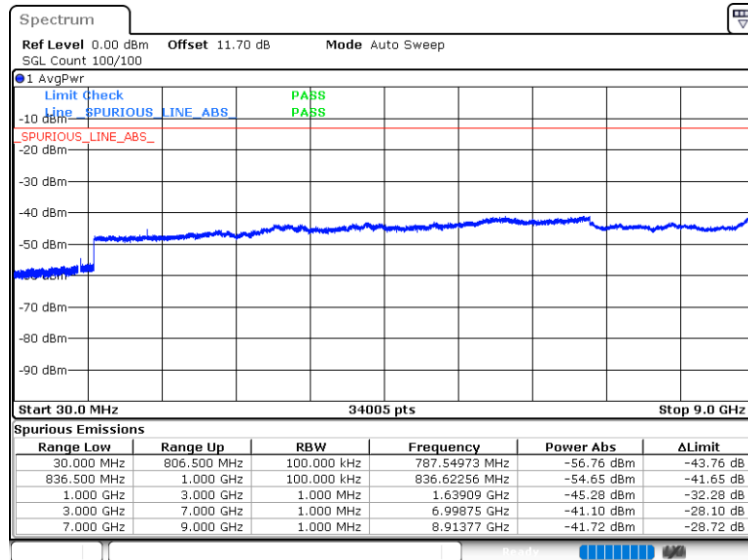
Date: 27.APR.2021 14:59:30

Middle Channel / QPSK



Date: 27.APR.2021 15:02:13

Highest Channel / QPSK

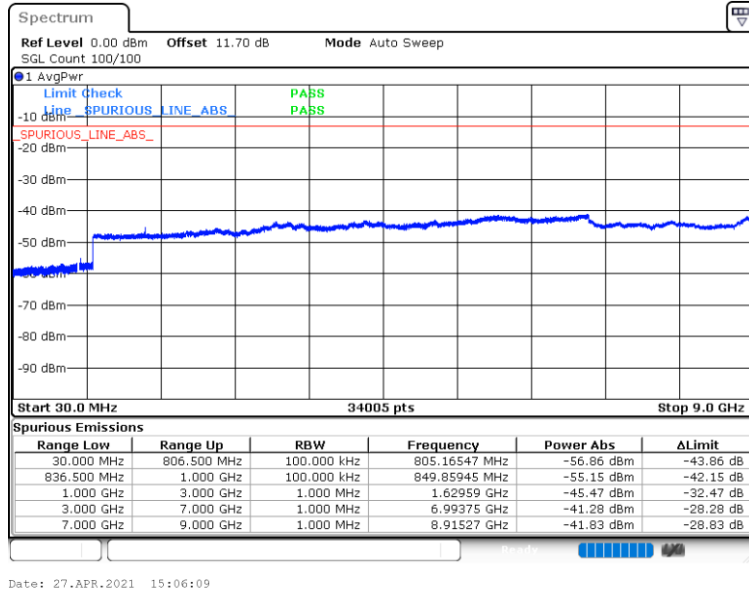


Date: 27.APR.2021 15:03:25



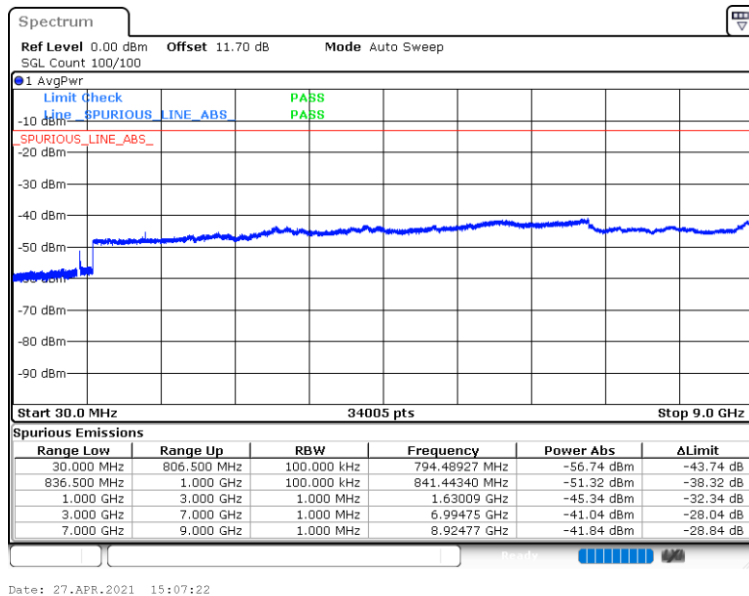
LTE Band 26 / 10MHz

Middle Channel / QPSK



LTE Band 26 / 15MHz

Lowest Channel / QPSK



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	0.0100	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0137	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0109	
-10	Normal Voltage	0.0088	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0129	
20	Maximum Voltage	0.0205	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0066	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.3 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	0.0032	PASS
40	Normal Voltage	0.0123	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0164	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0102	
20	Maximum Voltage	0.0168	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0101	

Note:

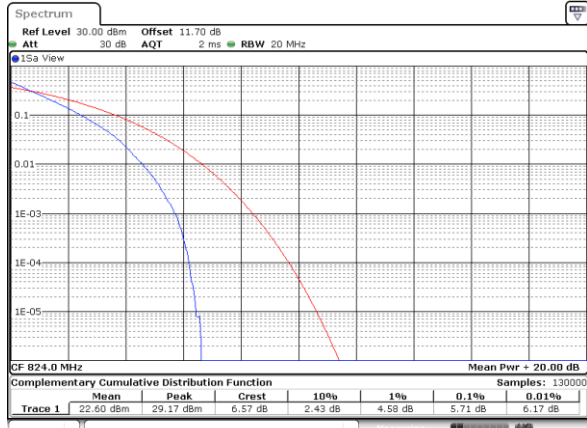
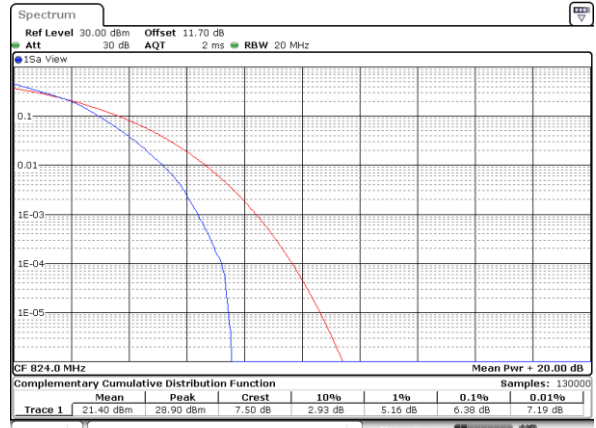
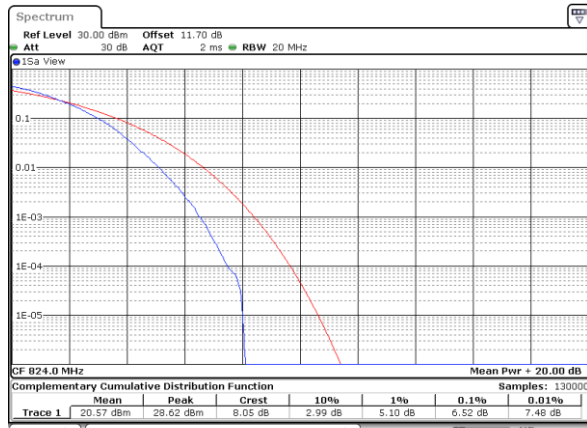
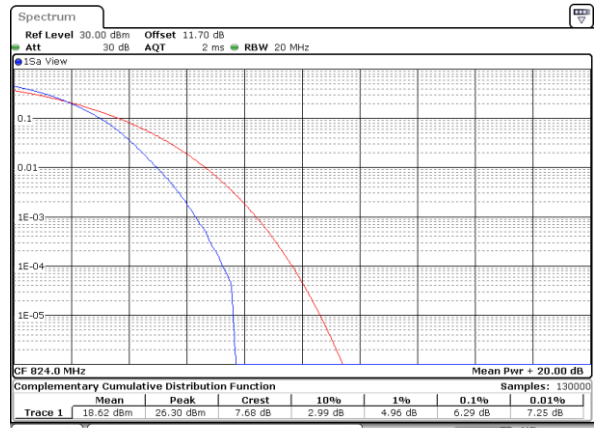
1. Normal Voltage =3.8 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_824MHz

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	5.71	6.38	6.52	6.29	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

LTE Band 26 / 15MHz / 256QAM
824MHz / Full RB


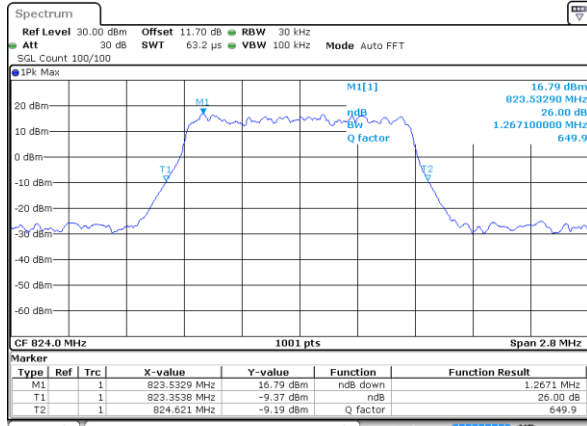
**26dB Bandwidth**

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	1.27	1.28	2.99	2.96	4.90	4.82	9.75	9.71	14.60	14.66	-	-
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	1.28	1.26	2.98	3.02	4.91	4.83	9.79	9.73	14.24	14.36	-	-



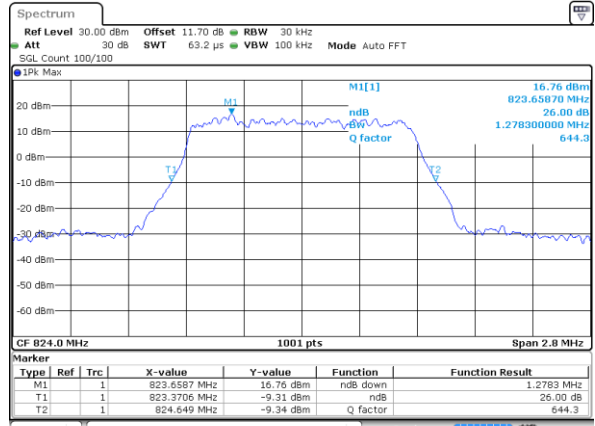
LTE Band 26

824MHz / 1.4MHz / QPSK



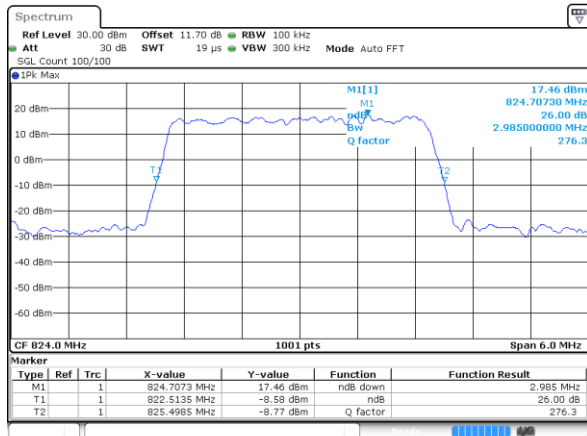
Date: 16 JUN 2021 08:58:20

824MHz / 1.4MHz / 16QAM



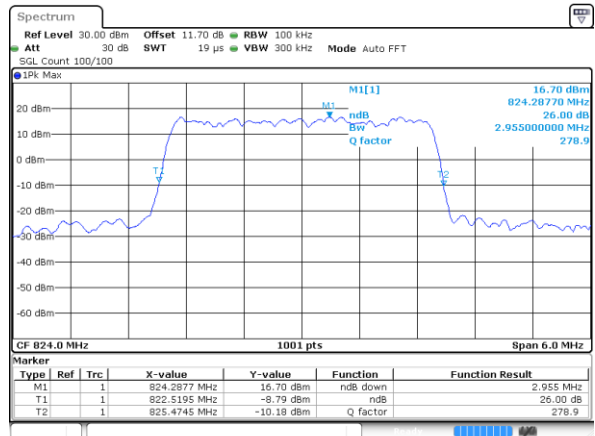
Date: 16 JUN 2021 08:58:42

824MHz / 3MHz / QPSK



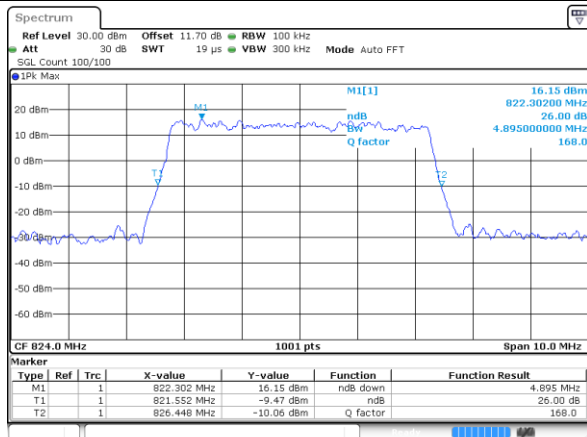
Date: 16 JUN 2021 09:03:44

824MHz / 3MHz / 16QAM



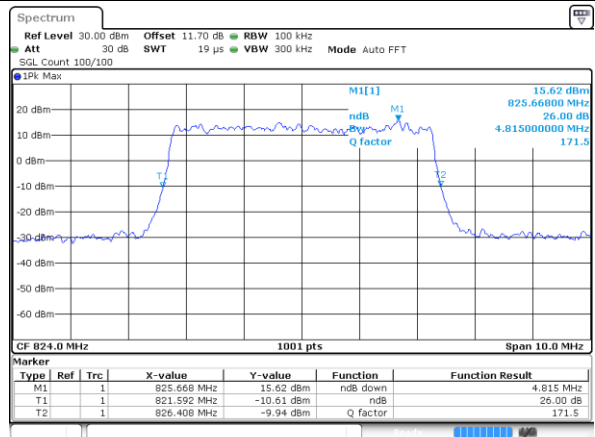
Date: 16 JUN 2021 09:04:06

824MHz / 5MHz / QPSK



Date: 16 JUN 2021 09:11:55

824MHz / 5MHz / 16QAM

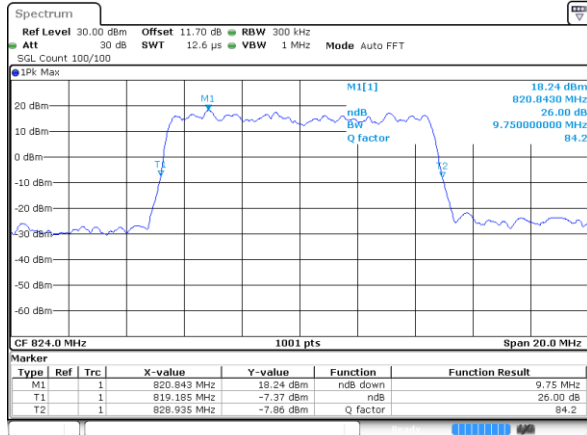


Date: 16 JUN 2021 09:12:17



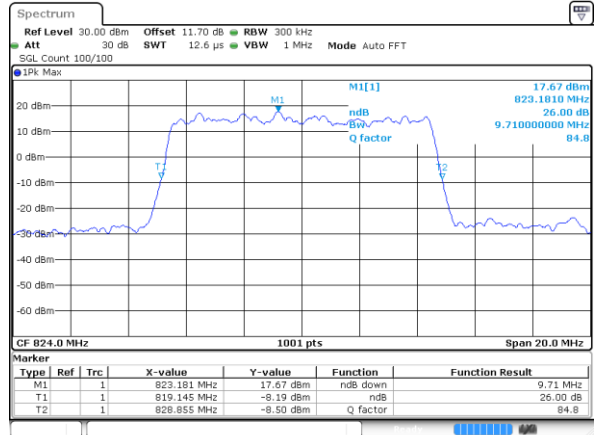
LTE Band 26

824MHz / 10MHz / QPSK



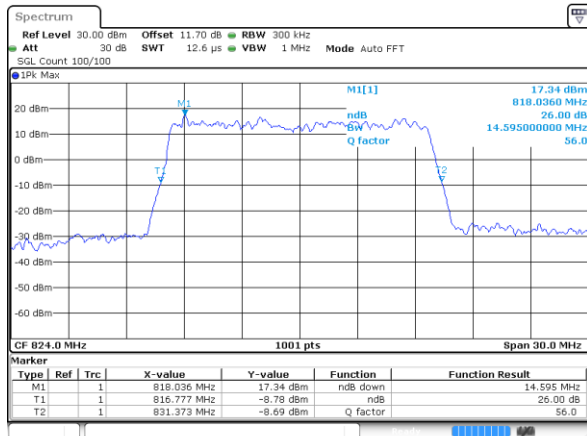
Date: 16 JUN 2021 09:14:06

824MHz / 10MHz / 16QAM



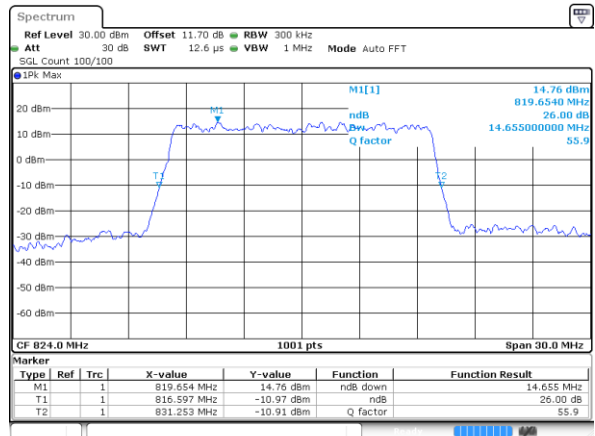
Date: 16 JUN 2021 09:14:28

824MHz / 15MHz / QPSK



Date: 16 JUN 2021 09:16:17

824MHz / 15MHz / 16QAM

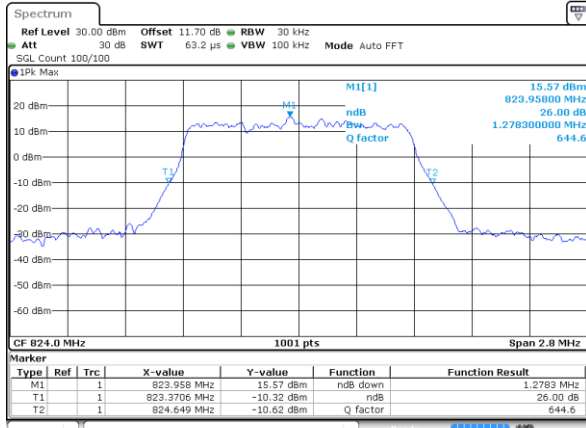


Date: 16 JUN 2021 09:16:39



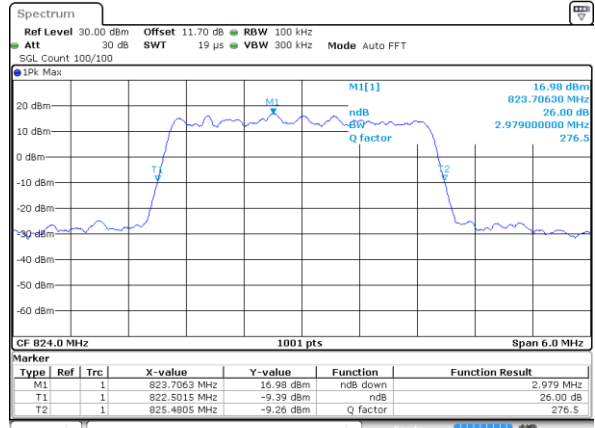
LTE Band 26

824MHz / 1.4MHz / 64QAM



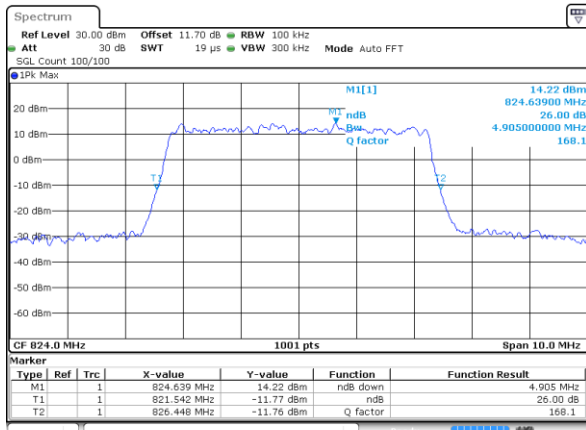
Date: 16 JUN 2021 08:59:46

824MHz / 3MHz / 64QAM



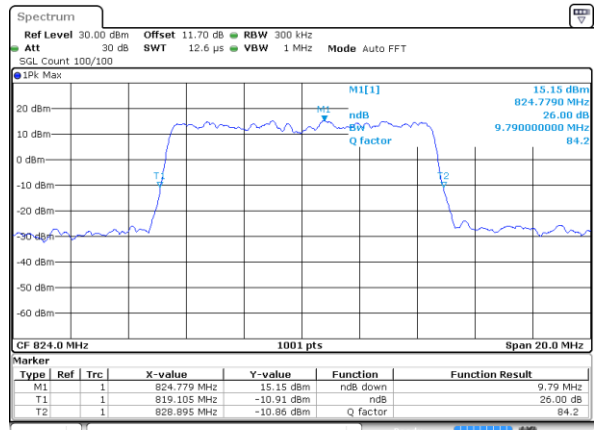
Date: 16 JUN 2021 09:05:10

824MHz / 5MHz / 64QAM



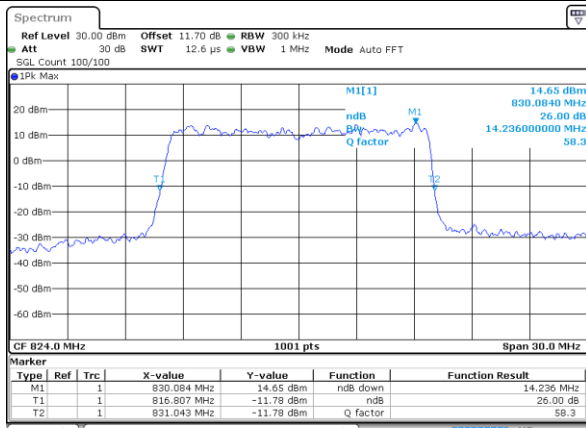
Date: 16 JUN 2021 09:13:22

824MHz / 10MHz / 64QAM



Date: 16 JUN 2021 09:15:32

824MHz / 15MHz / 64QAM



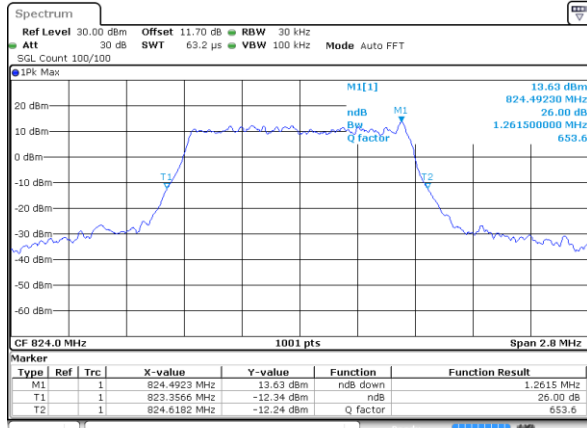
Date: 16 JUN 2021 09:17:44

N/A

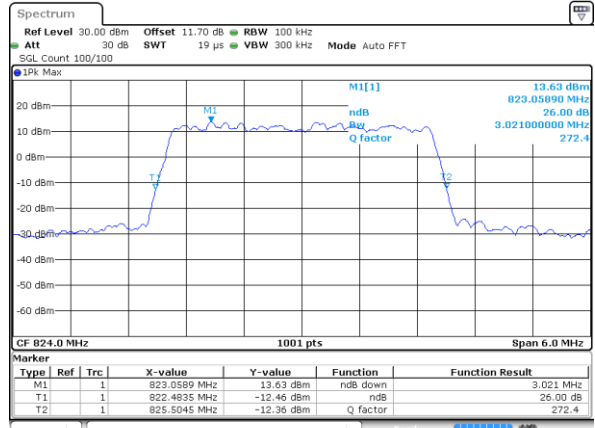


LTE Band 26

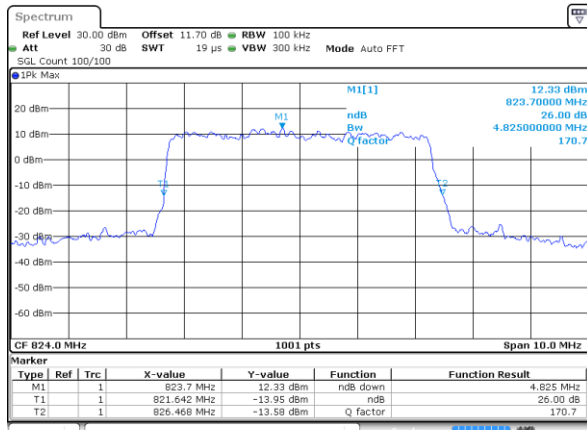
824MHz / 1.4MHz / 256QAM



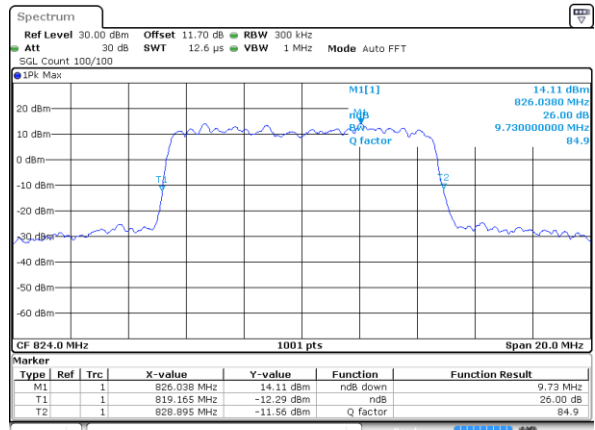
824MHz / 3MHz / 256QAM



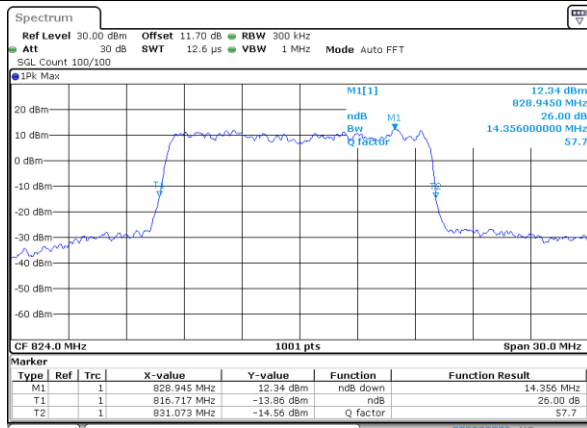
824MHz / 5MHz / 256QAM



824MHz / 10MHz / 256QAM



824MHz / 15MHz / 256QAM



N/A

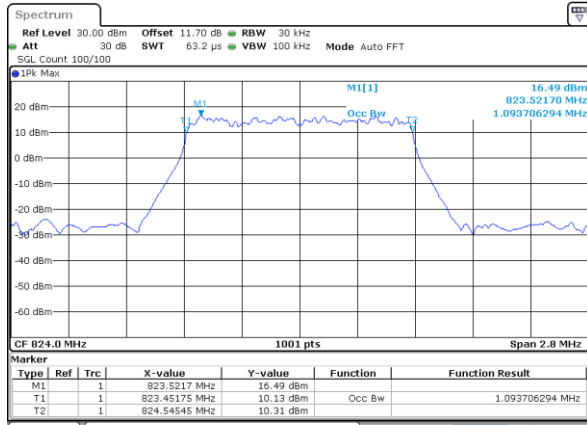
**Occupied Bandwidth**

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	1.11	2.72	2.71	4.50	4.50	9.03	9.01	13.49	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	1.09	2.72	2.72	4.48	4.49	9.03	9.03	13.46	13.37	-	-

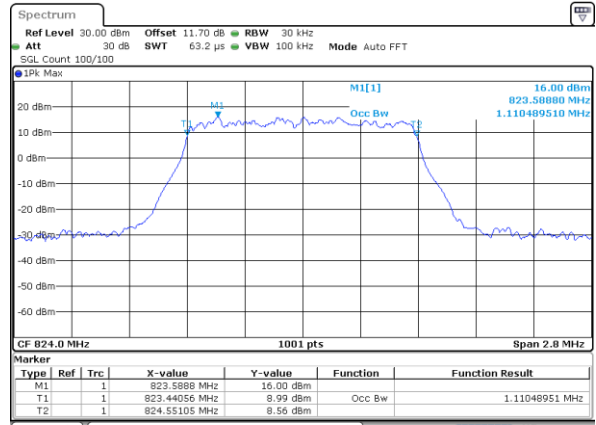


LTE Band 26

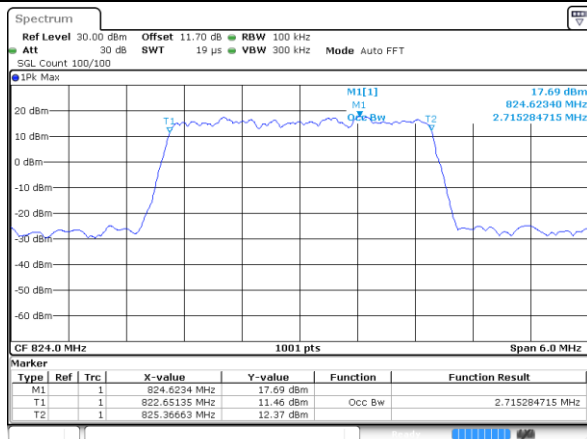
824MHz / 1.4MHz / QPSK



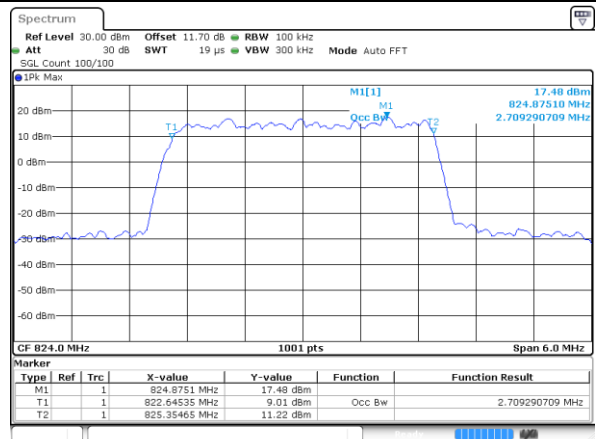
824MHz / 1.4MHz / 16QAM



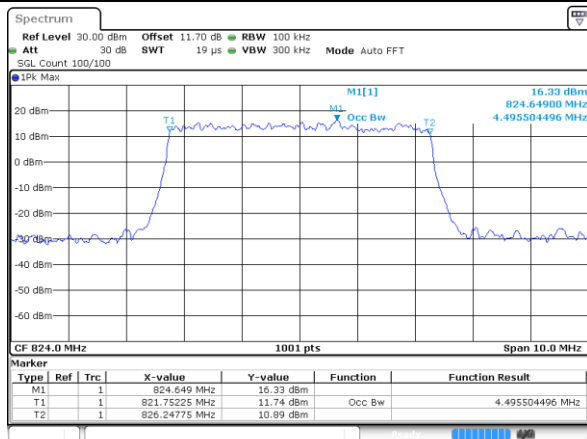
824MHz / 3MHz / QPSK



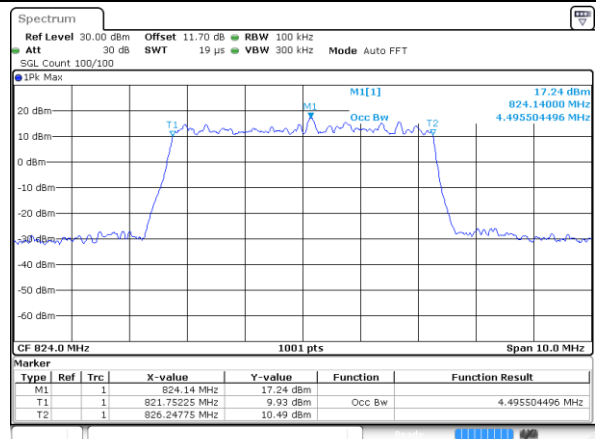
824MHz / 3MHz / 16QAM



824MHz / 5MHz / QPSK



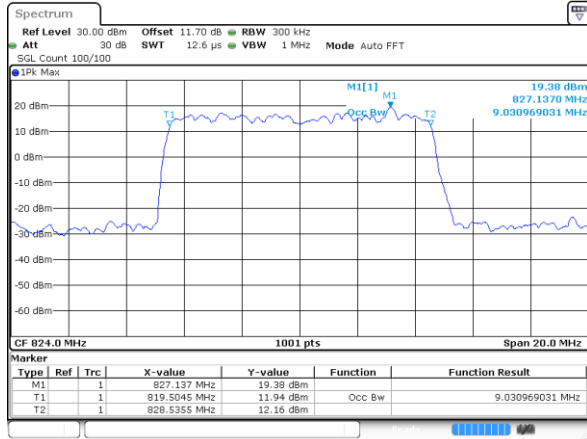
824MHz / 5MHz / 16QAM





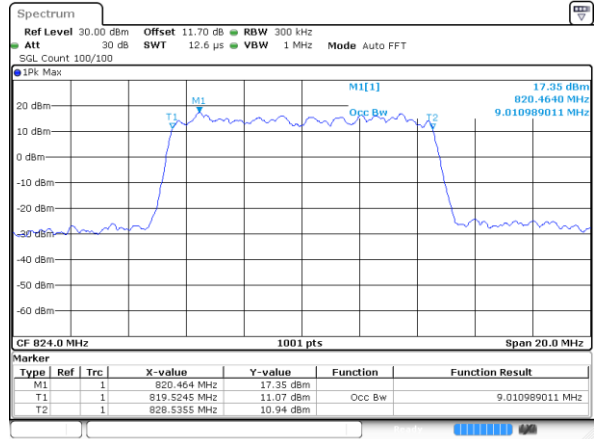
LTE Band 26

824MHz / 10MHz / QPSK



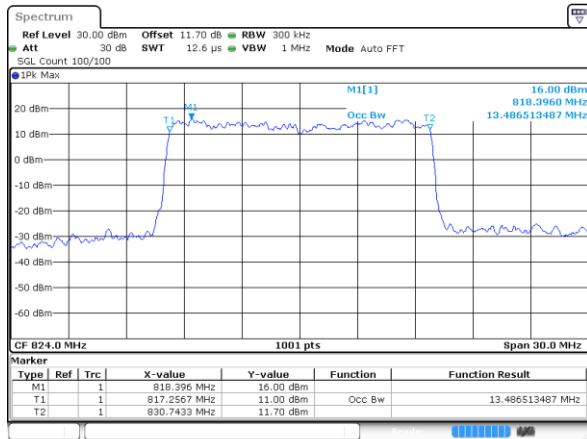
Date: 16 JUN 2021 09:13:45

824MHz / 10MHz / 16QAM



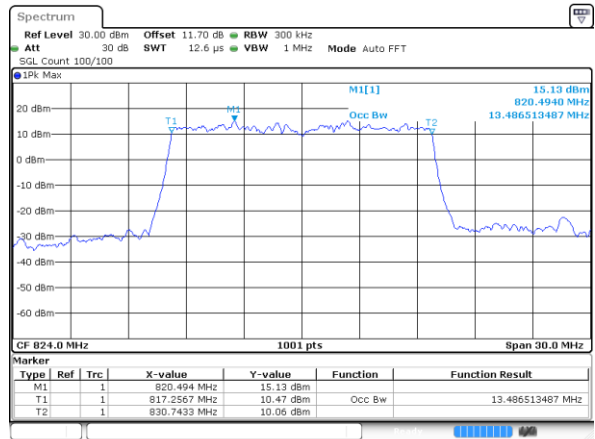
Date: 16 JUN 2021 09:14:49

824MHz / 15MHz / QPSK



Date: 16 JUN 2021 09:15:56

824MHz / 15MHz / 16QAM

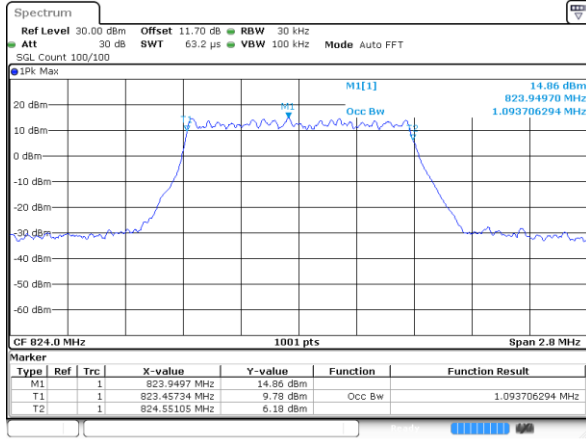


Date: 16 JUN 2021 09:17:00

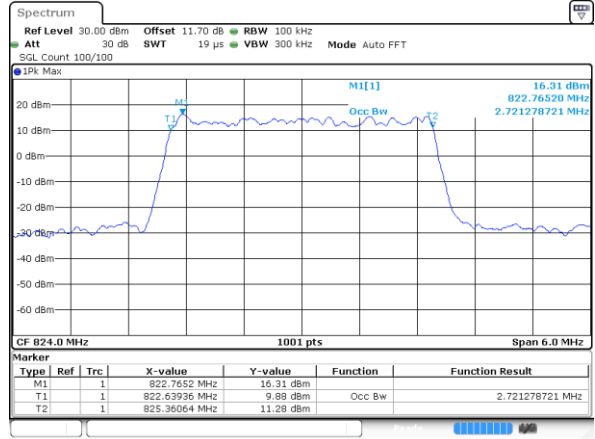


LTE Band 26

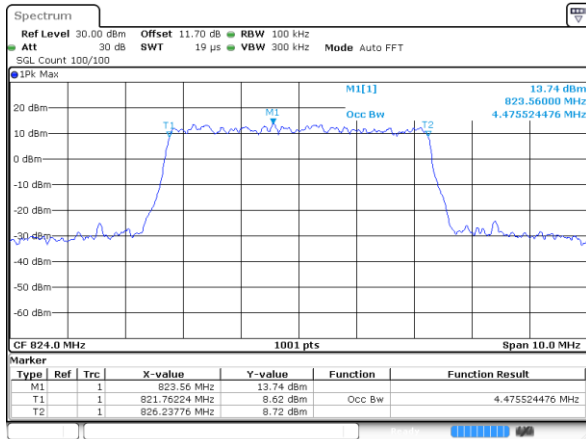
824MHz / 1.4MHz / 64QAM



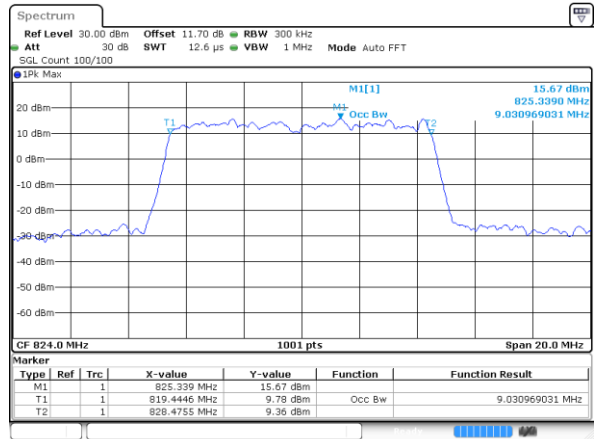
824MHz / 3MHz / 64QAM



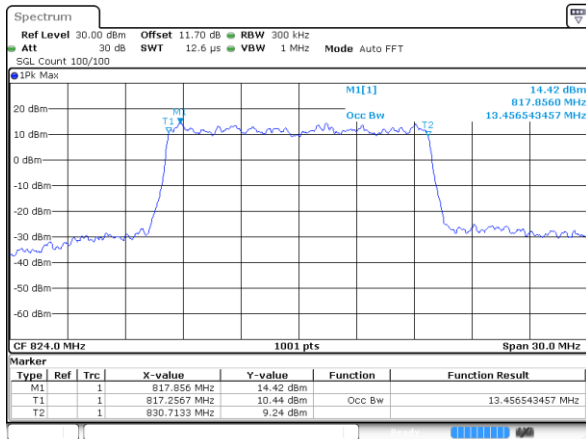
824MHz / 5MHz / 64QAM



824MHz / 10MHz / 64QAM



824MHz / 15MHz / 64QAM

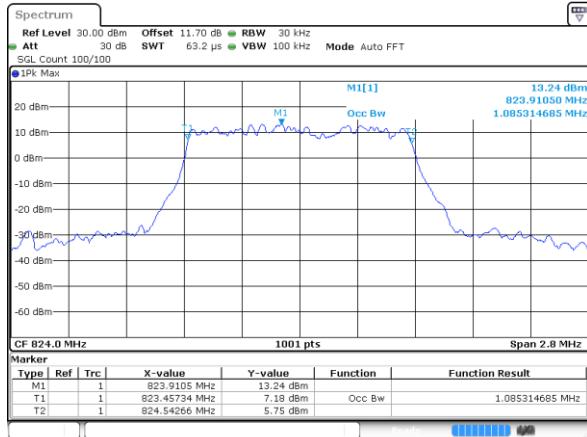


N/A

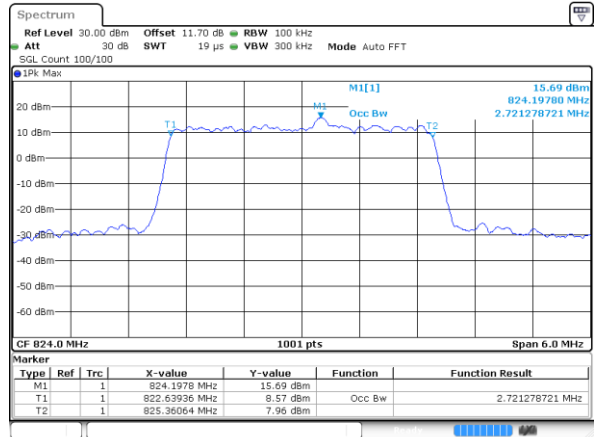


LTE Band 26

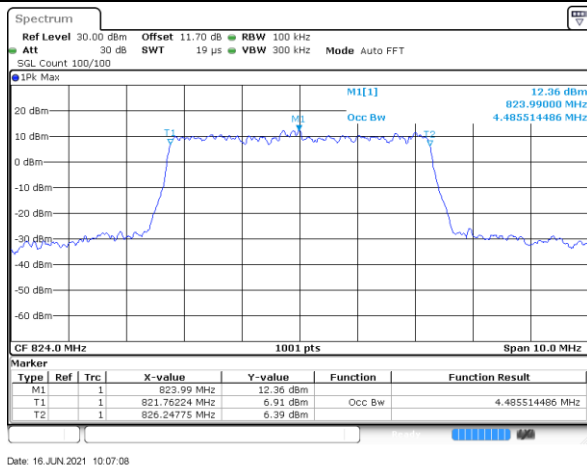
824MHz / 1.4MHz / 256QAM



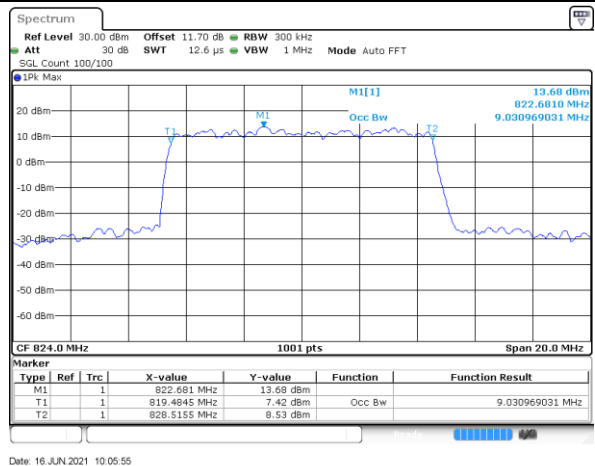
824MHz / 3MHz / 256QAM



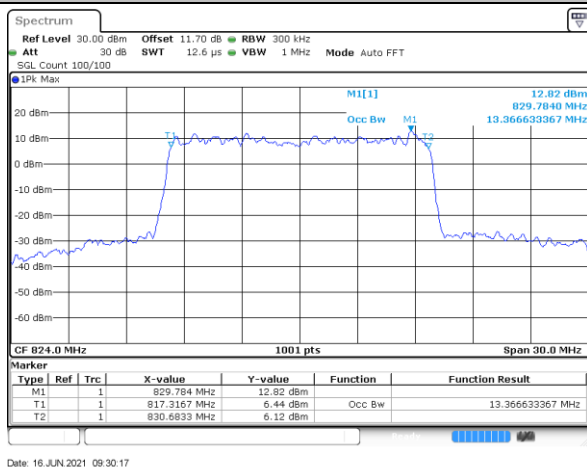
824MHz / 5MHz / 256QAM



824MHz / 10MHz / 256QAM



824MHz /15MHz / 256QAM



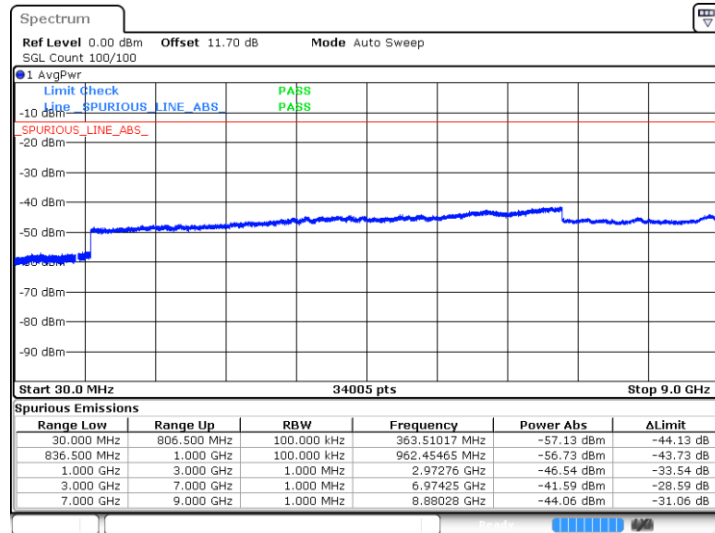
N/A



Conducted Spurious Emission

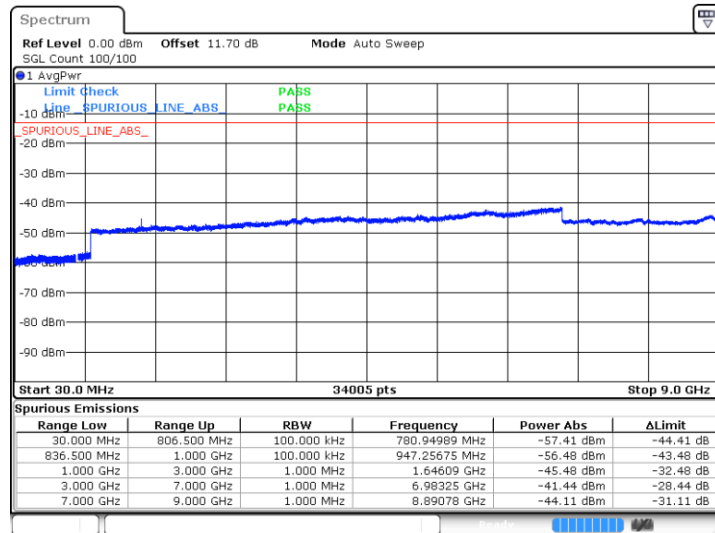
LTE Band 26 / 1.4MHz

824MHz / QPSK



LTE Band 26 / 3MHz

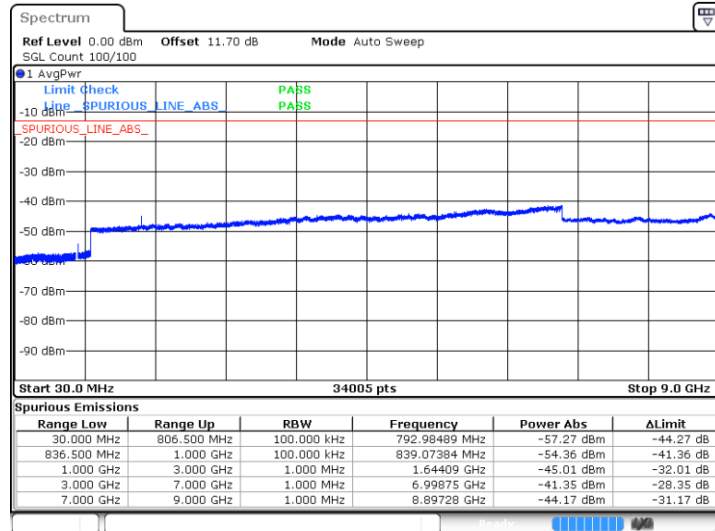
824MHz / QPSK





LTE Band 26 / 5MHz

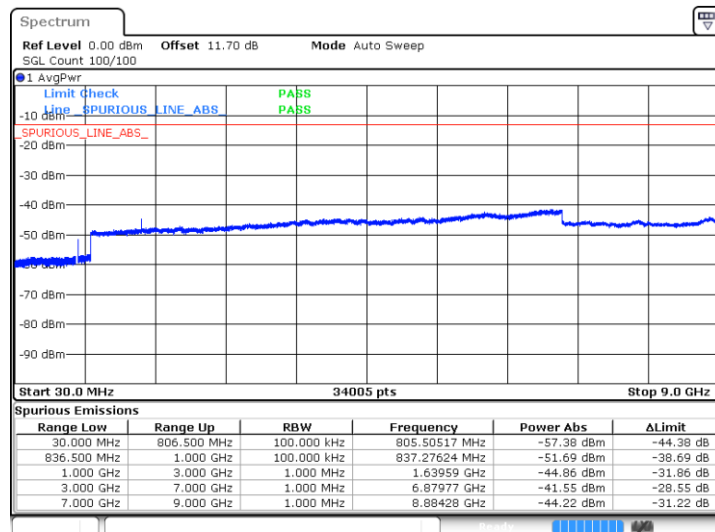
824MHz / QPSK



Date: 16 JUN 2021 09:21:25

LTE Band 26 / 10MHz

824MHz / QPSK

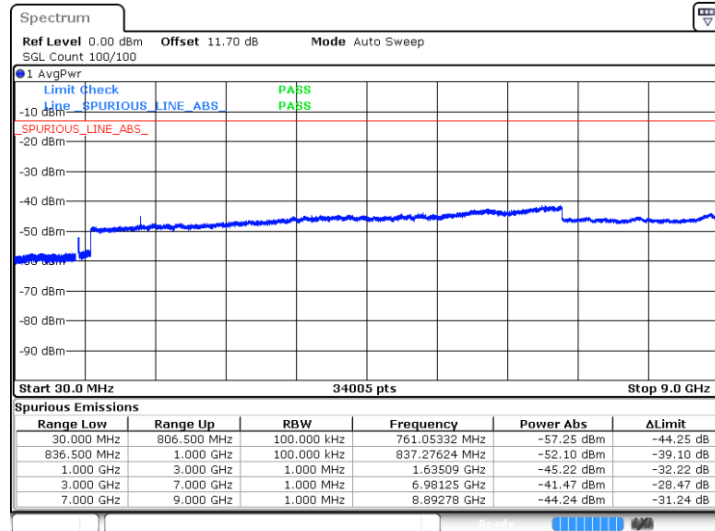


Date: 16 JUN 2021 09:22:40



LTE Band 26 / 15MHz

824MHz / QPSK



Date: 16 JUN 2021 09:23:54



Appendix B. Test Results of Radiated Test

LTE Band 26

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	1624	-64.32	-13	-51.32	-76.12	-66.16	0.97	4.95	H
	2448	-56.85	-13	-43.85	-73.97	-58.67	1.27	5.24	H
	3256	-58.13	-13	-45.13	-77.2	-61.38	1.53	6.93	H
									H
									H
									H
									H
	1624	-63.98	-13	-50.98	-75.98	-65.82	0.97	4.95	V
	2448	-55.37	-13	-42.37	-72.95	-57.19	1.27	5.24	V
	3256	-57.84	-13	-44.84	-77.44	-61.09	1.53	6.93	V
									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	1624	-64.17	-13	-51.17	-75.88	-66.01	0.97	4.95	H
	2440	-51.26	-13	-38.26	-68.39	-53.06	1.27	5.22	H
	3256	-58.13	-13	-45.13	-77.29	-61.38	1.53	6.93	H
									H
									H
									H
									H
	1624	-63.68	-13	-50.68	-75.95	-65.52	0.97	4.95	V
	2440	-55.02	-13	-42.02	-72.65	-56.82	1.27	5.22	V
	3256	-57.86	-13	-44.86	-77.4	-61.11	1.53	6.93	V
									V
									V
									V
									V

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



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	-64.07	-13	-51.07	-75.75	-65.91	0.97	4.95	H
	2440	-57.07	-13	-44.07	-74.2	-58.87	1.27	5.22	H
	3256	-57.88	-13	-44.88	-77.01	-61.13	1.53	6.93	H
									H
									H
									H
									H
	1624	-63.77	-13	-50.77	-75.88	-65.61	0.97	4.95	V
	2440	-55.03	-13	-42.03	-72.66	-56.83	1.27	5.22	V
	3256	-57.51	-13	-44.51	-76.98	-60.76	1.53	6.93	V
									V
									V
									V
									V
Middle	1632	-64.22	-13	-51.22	-75.86	-66.03	0.97	4.93	H
	2448	-58.19	-13	-45.19	-75.2	-60.01	1.27	5.24	H
	3264	-57.94	-13	-44.94	-77.11	-61.22	1.53	6.96	H
									H
									H
									H
									H
	1632	-64.02	-13	-51.02	-76.15	-65.83	0.97	4.93	V
	2448	-55.69	-13	-42.69	-73.16	-57.51	1.27	5.24	V
	3264	-57.86	-13	-44.86	-77.38	-61.14	1.53	6.96	V
									V
									V
									V
									V
									V



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)
Highest	1640	-63.97	-13	-50.97	-75.8	-65.75	0.97	4.91	H
	2456	-56.51	-13	-43.51	-73.77	-58.35	1.28	5.27	H
	3272	-57.94	-13	-44.94	-77.22	-61.25	1.53	7.00	H
									H
									H
									H
									H
	1640	-63.48	-13	-50.48	-75.86	-65.26	0.97	4.91	V
	2456	-53.71	-13	-40.71	-71.37	-55.55	1.28	5.27	V
	3272	-57.57	-13	-44.57	-77.25	-60.88	1.53	7.00	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)
CH26790 (824MHz)	1632	-60.69	-13	-47.69	-72.31	-62.5	0.97	4.93	H
	2456	-49.76	-13	-36.76	-66.81	-51.6	1.28	5.27	H
	3272	-56.59	-13	-43.59	-75.36	-59.9	1.53	7.00	H
									H
									H
									H
									H
	1632	-46.99	-13	-33.99	-58.84	-48.8	0.97	4.93	V
	2456	-31.26	-13	-18.26	-48.48	-33.1	1.28	5.27	V
	3272	-57.29	-13	-44.29	-76.81	-60.6	1.53	7.00	V
									V
									V
									V
									V

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