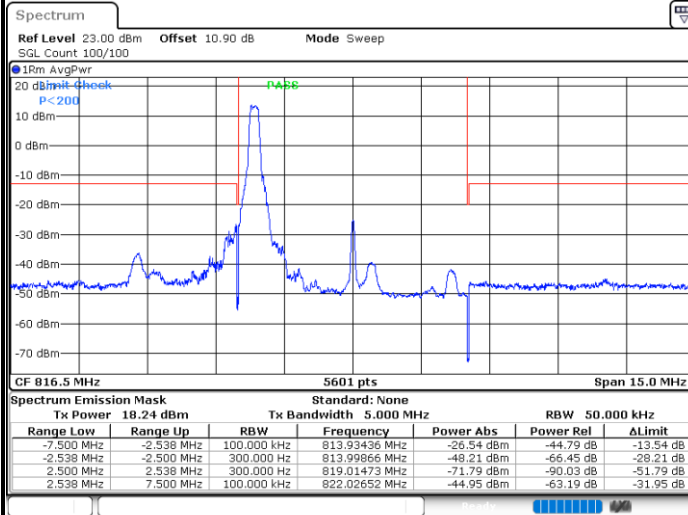


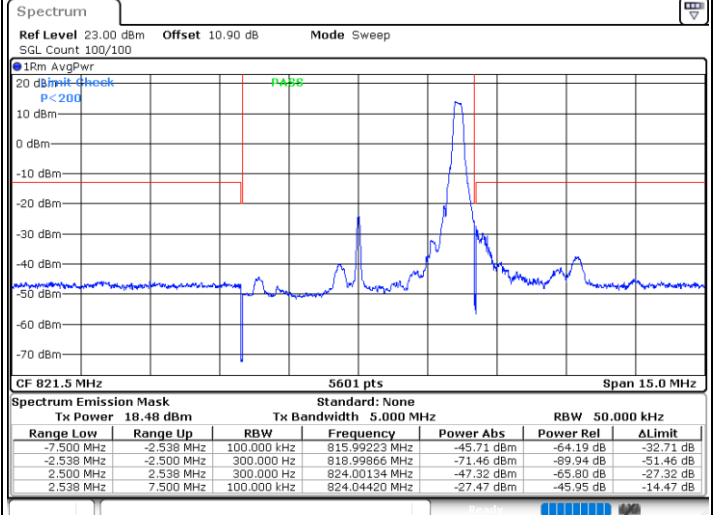


LTE Band 26 / 5MHz / 256QAM

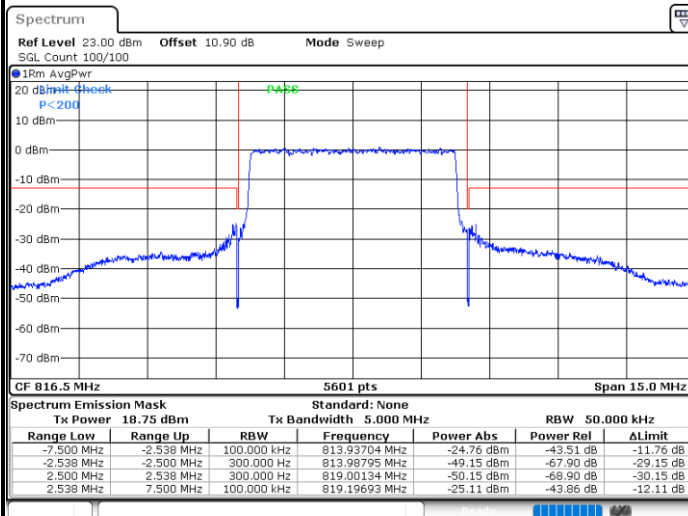
Lowest Band Edge / 1RB



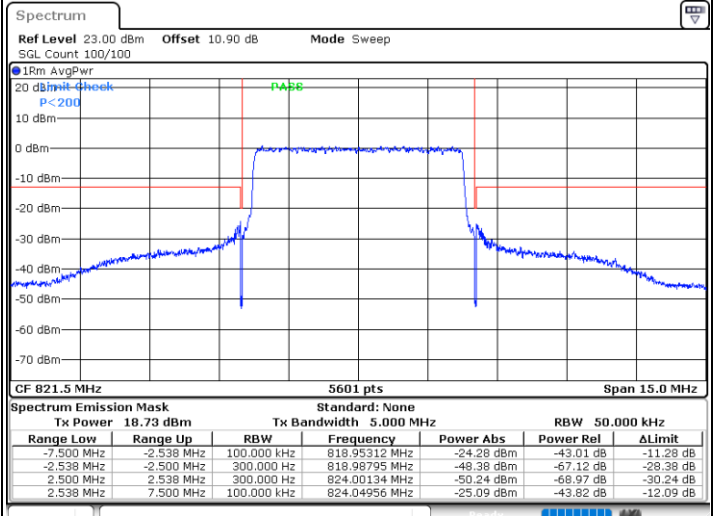
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



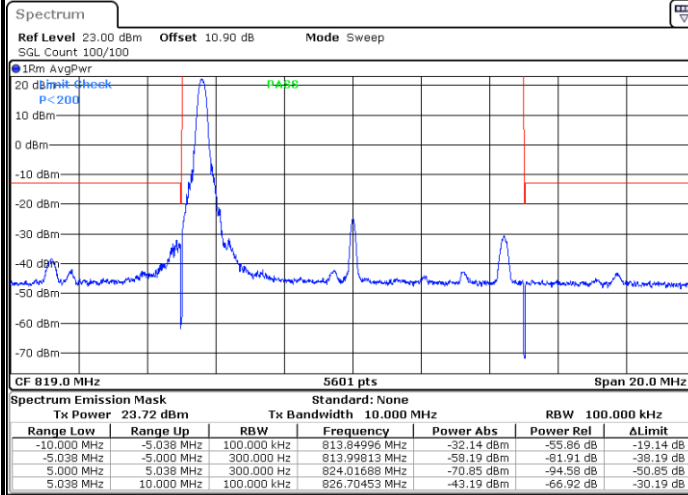
Highest Band Edge / Full RB



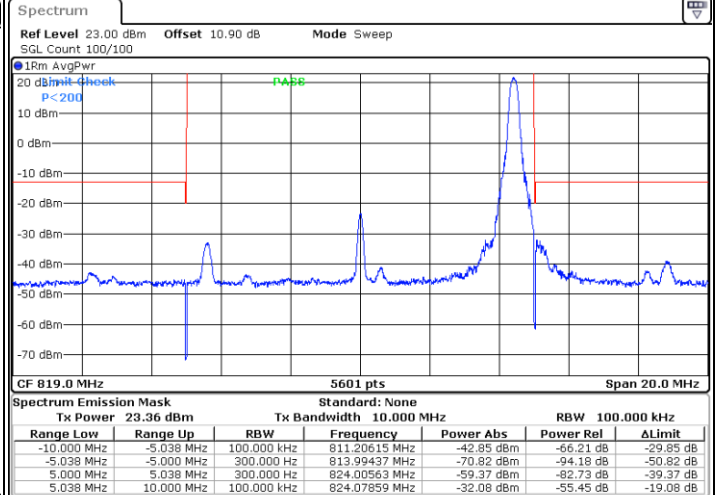


LTE Band 26 / 10MHz / QPSK

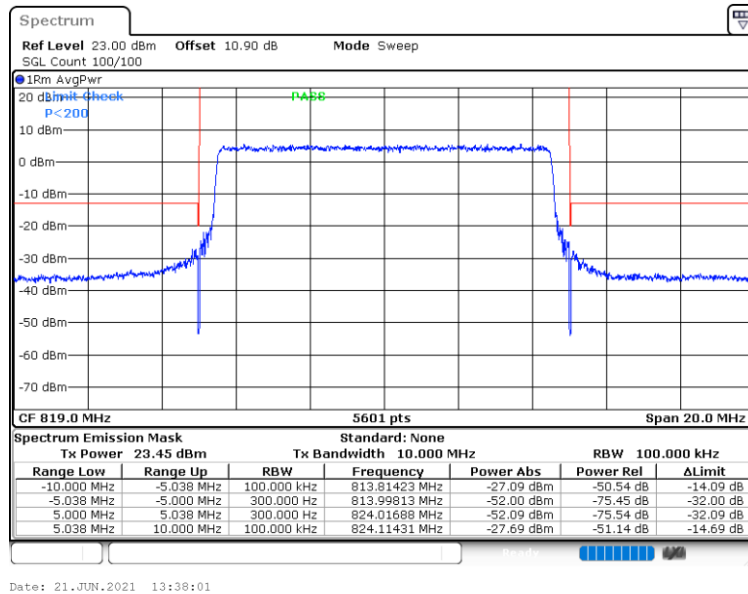
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



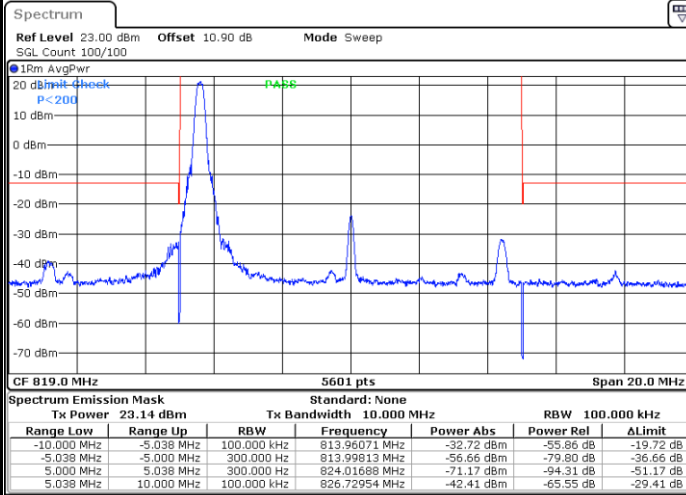
Lowest Band Edge / Full RB



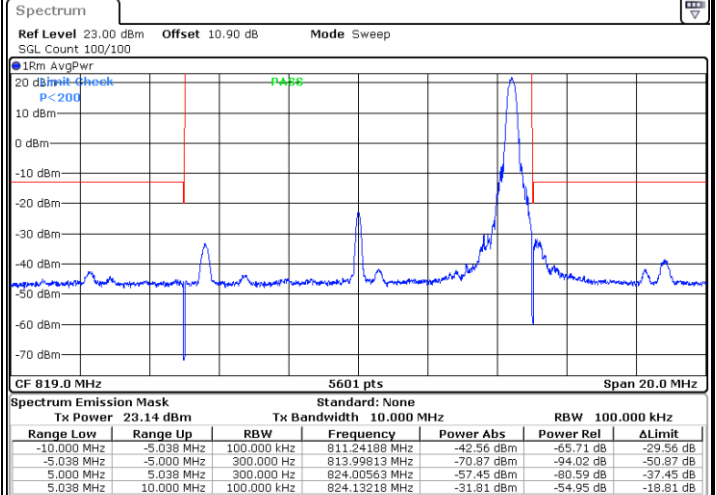


LTE Band 26 / 10MHz / 16QAM

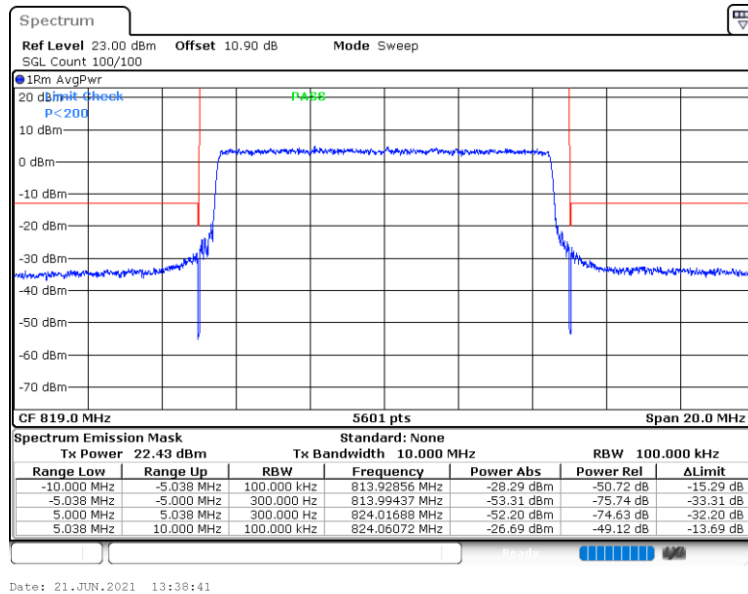
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



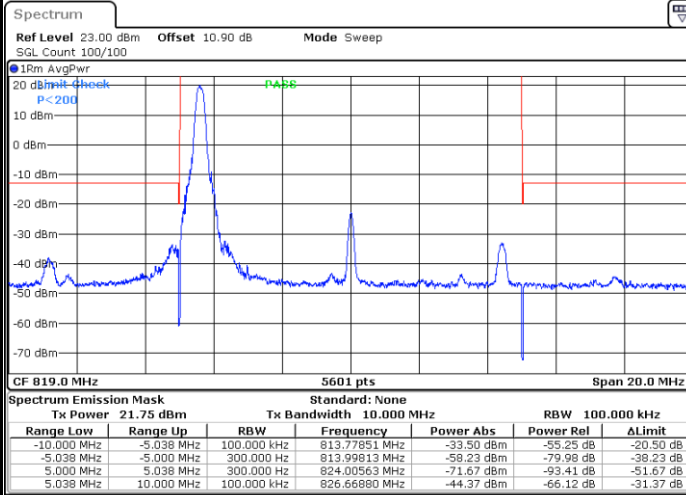
Lowest Band Edge / Full RB



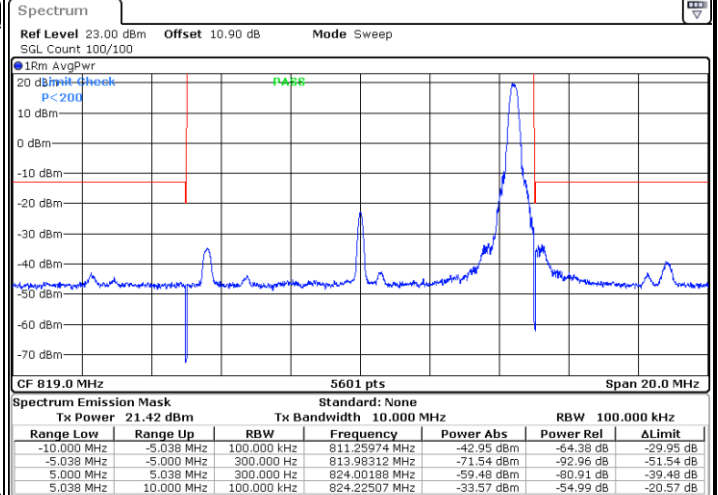


LTE Band 26 / 10MHz / 64QAM

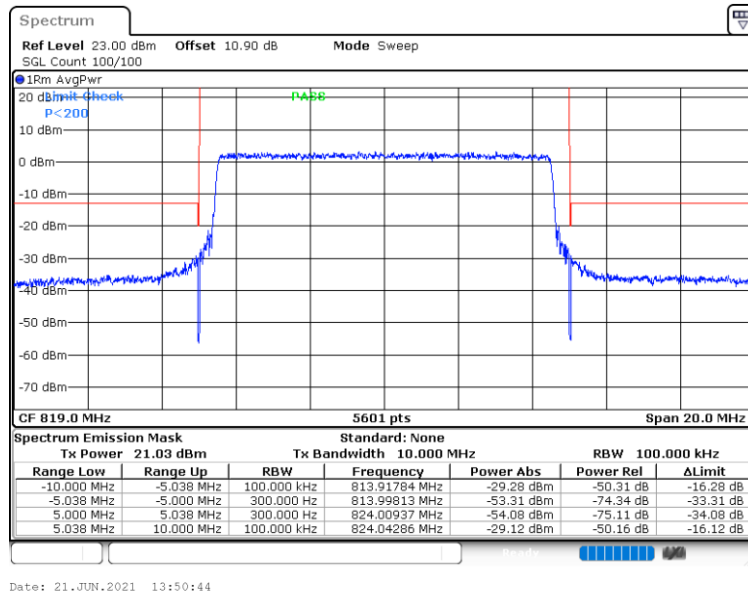
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



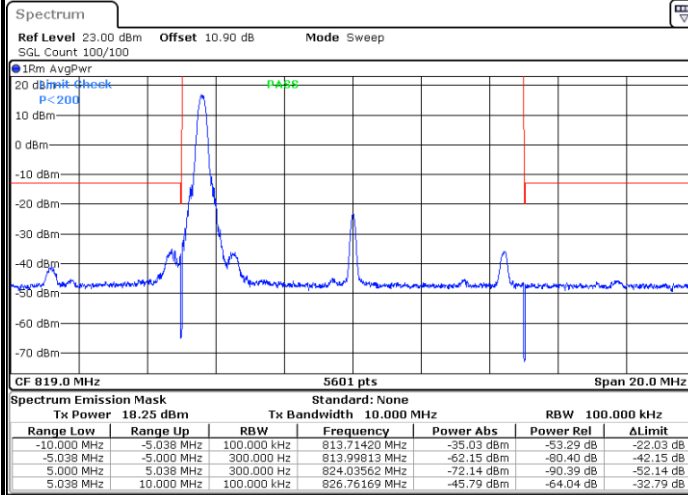
Lowest Band Edge / Full RB



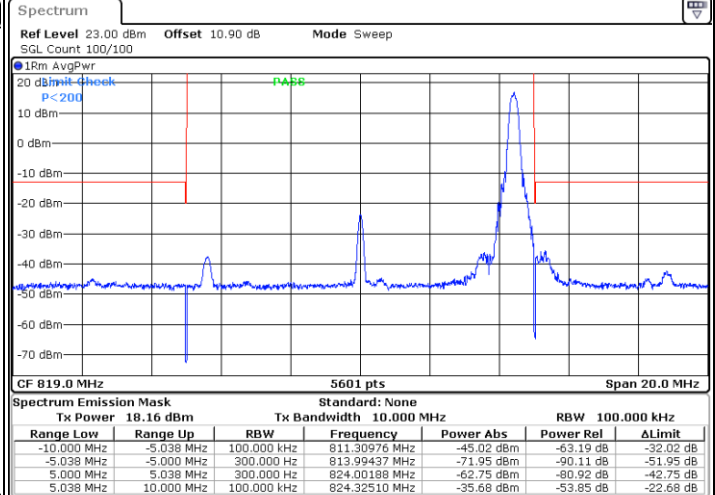


LTE Band 26 / 10MHz / 256QAM

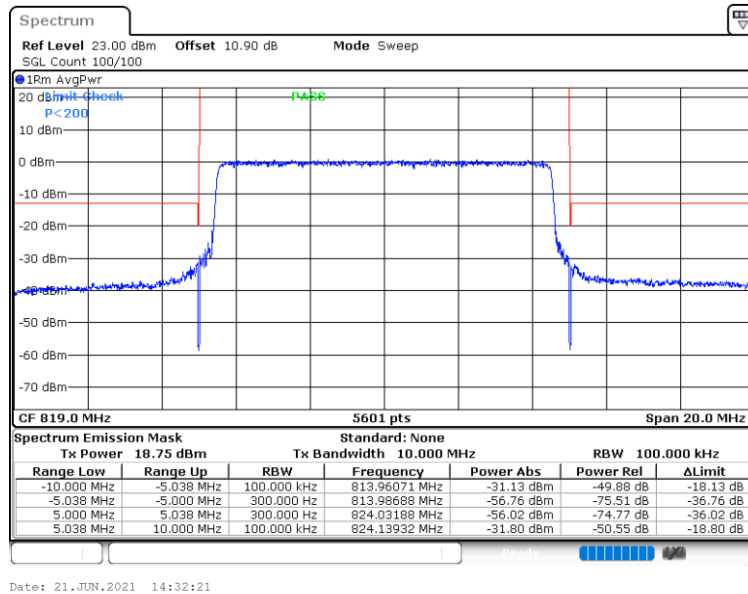
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



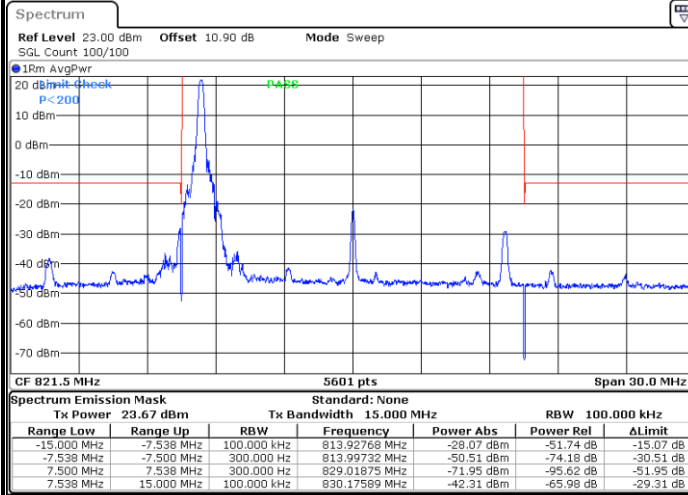
Lowest Band Edge / Full RB



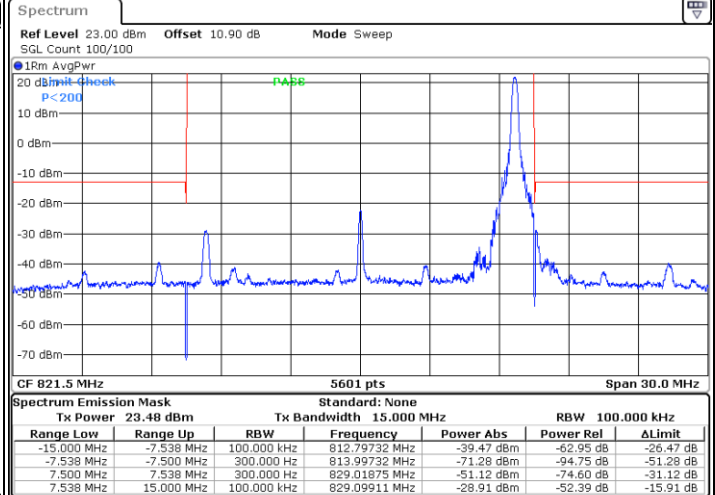


LTE Band 26 / 15MHz / QPSK

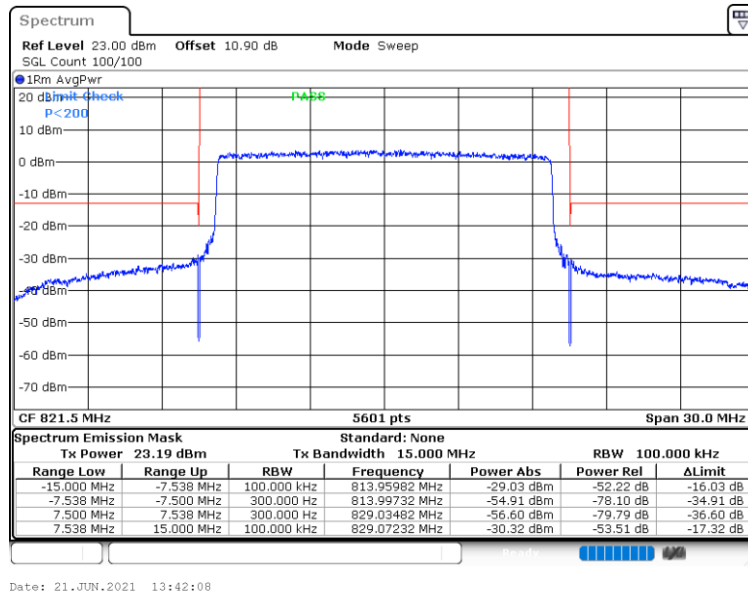
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



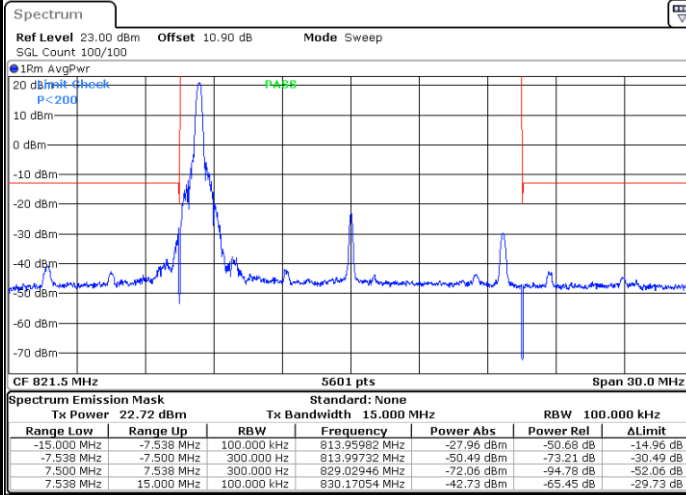
Lowest Band Edge / Full RB



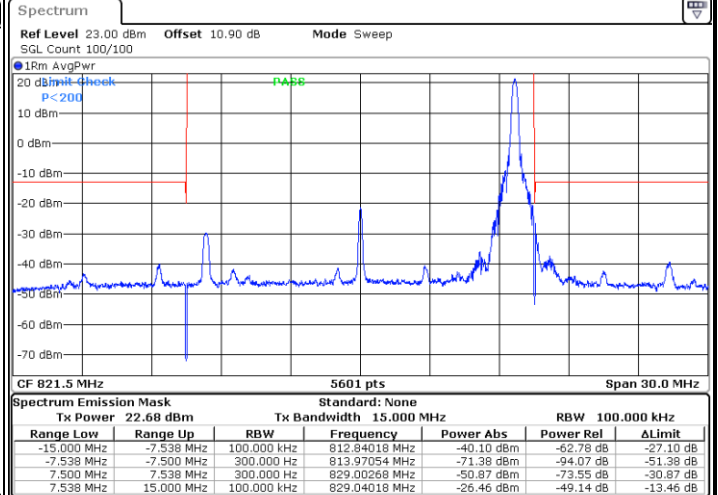


LTE Band 26 / 15MHz / 16QAM

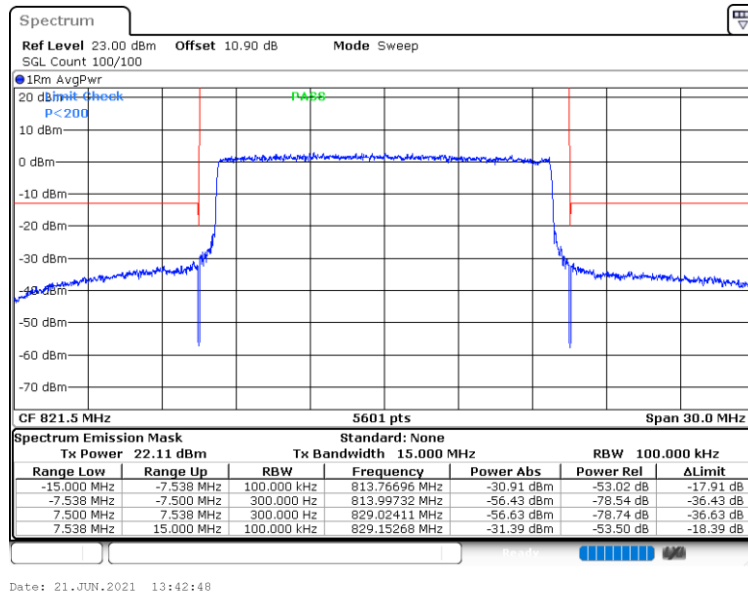
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



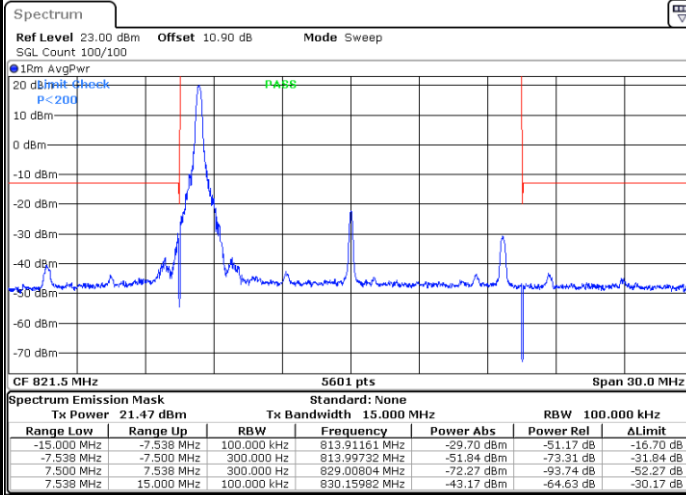
Lowest Band Edge / Full RB



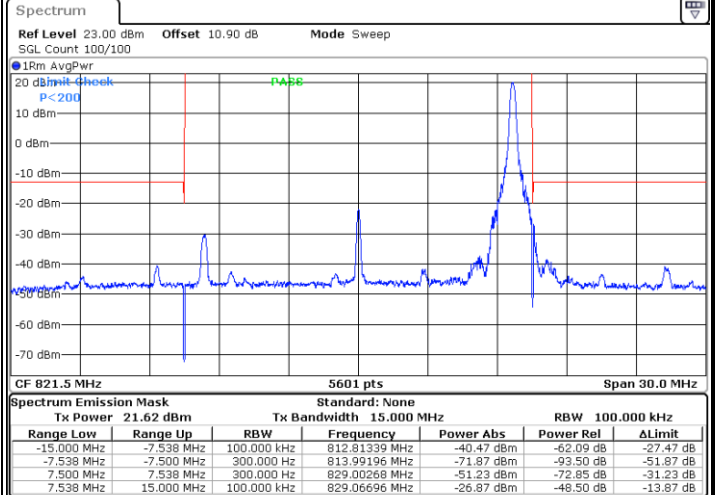


LTE Band 26 / 15MHz / 64QAM

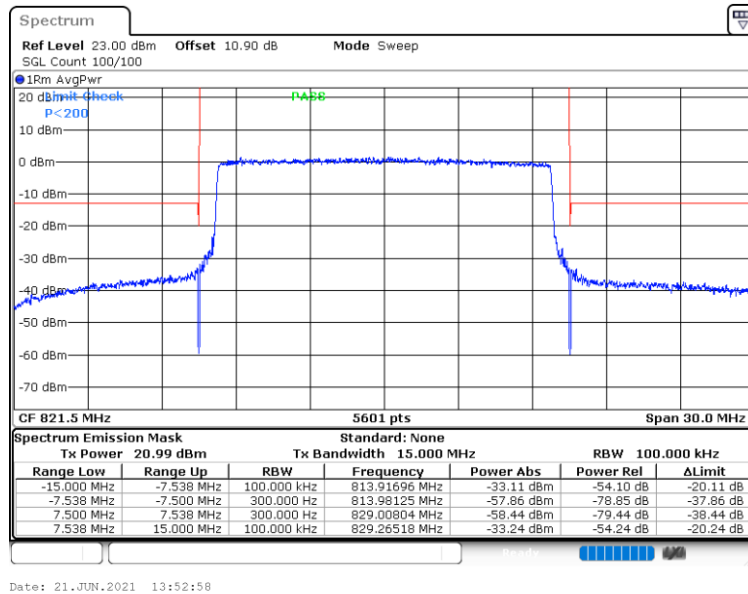
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



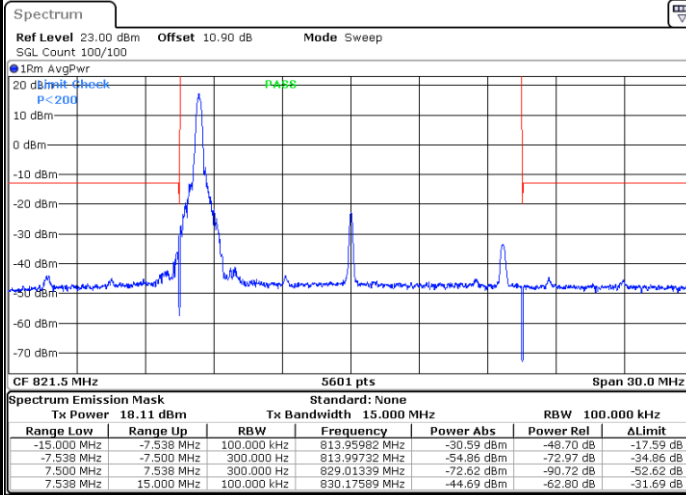
Lowest Band Edge / Full RB



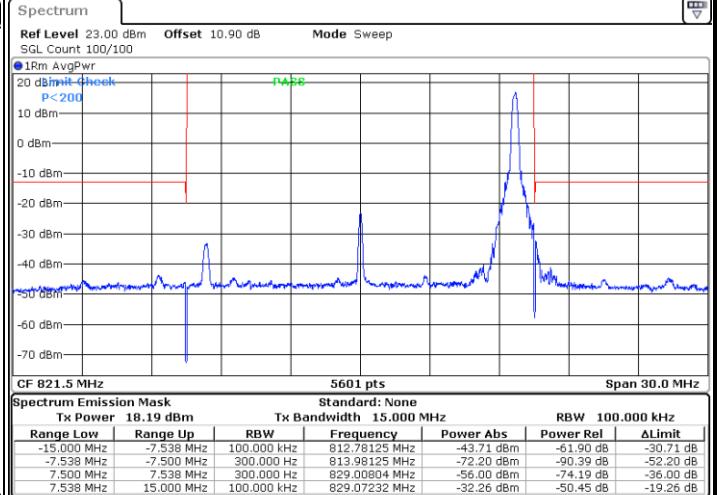


LTE Band 26 / 15MHz / 256QAM

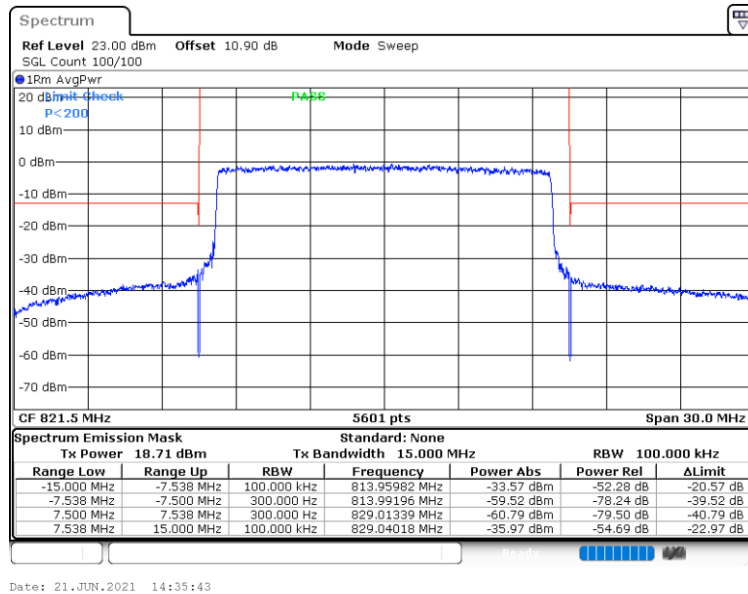
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

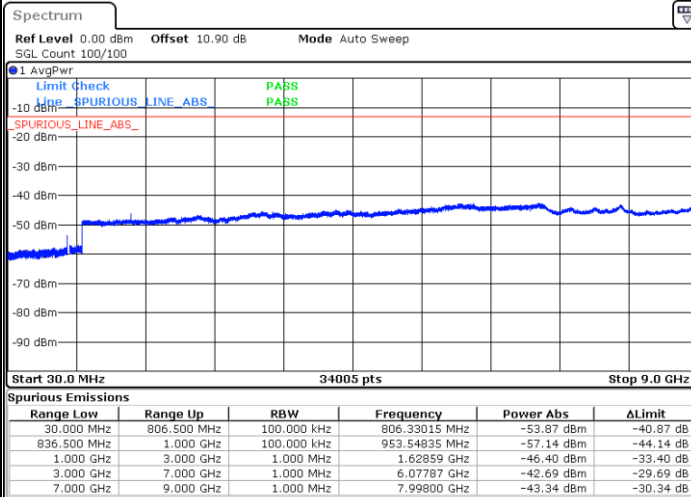




Emission masks – Out of band emissions

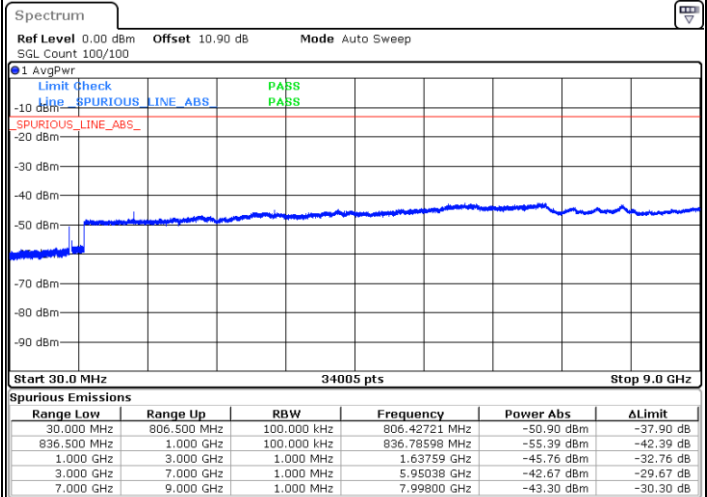
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



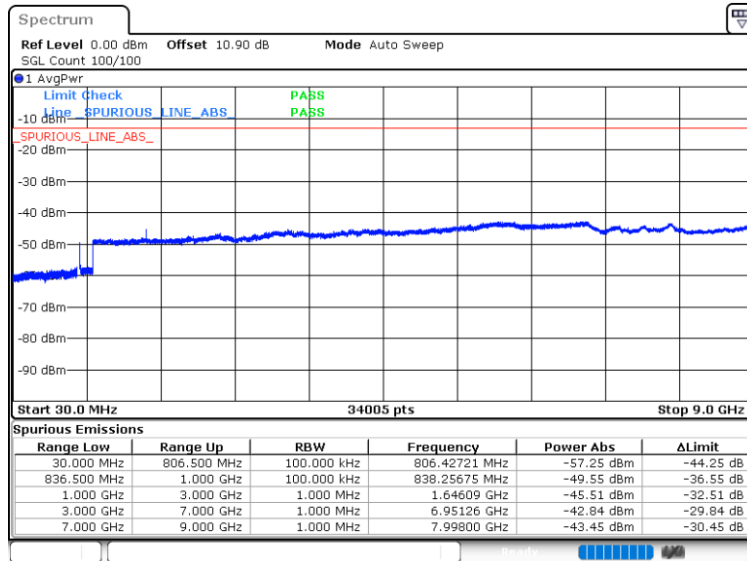
Date: 23.JUN.2021 11:33:16

Middle Channel / QPSK



Date: 23.JUN.2021 11:35:23

Highest Channel / QPSK

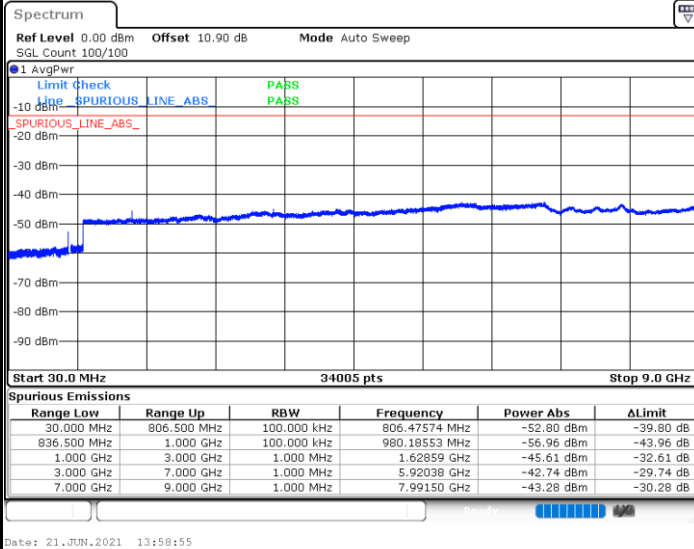


Date: 23.JUN.2021 11:36:01

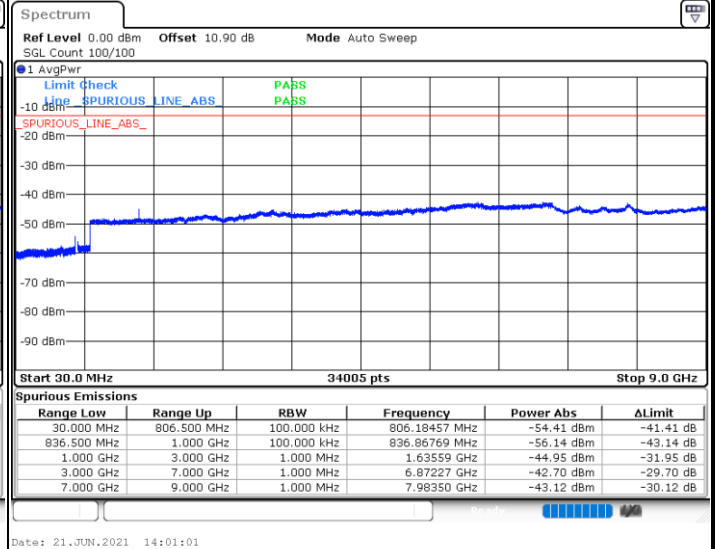


LTE Band 26 / 3MHz

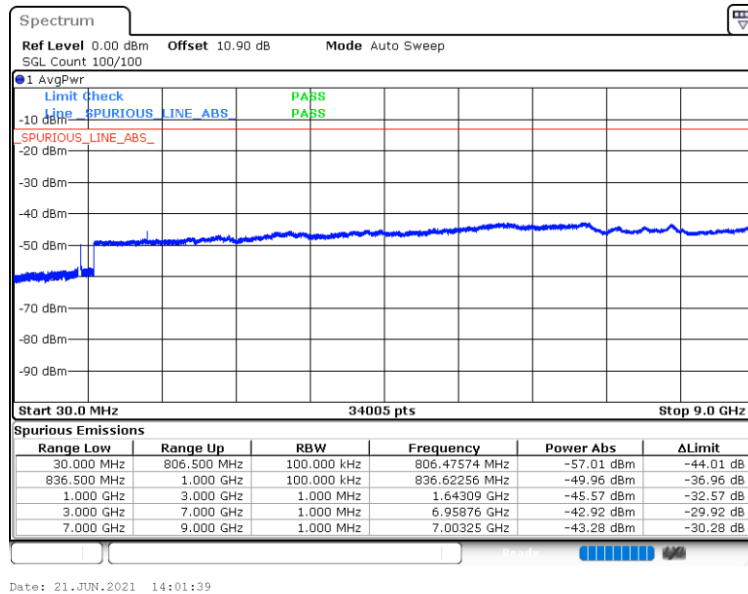
Lowest Channel / QPSK



Middle Channel / QPSK



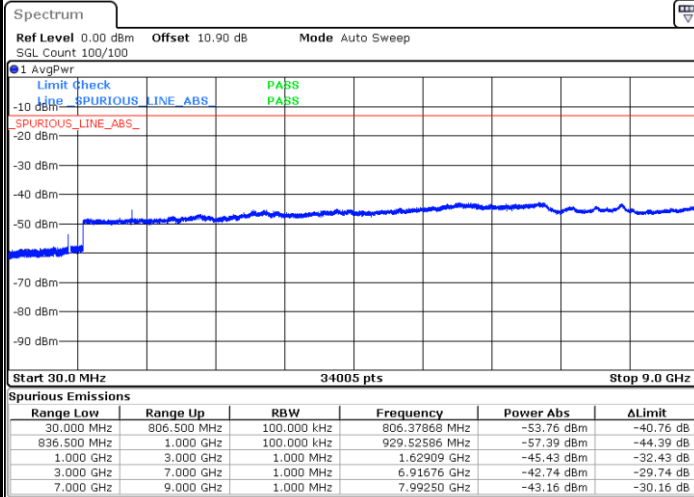
Highest Channel / QPSK





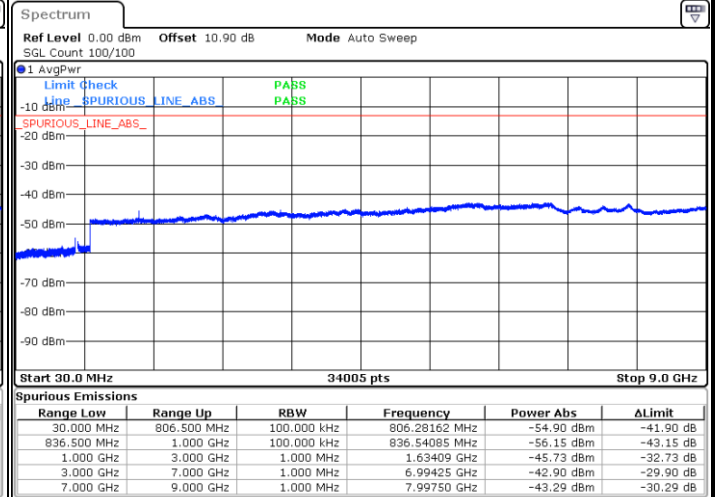
LTE Band 26 / 5MHz

Lowest Channel / QPSK



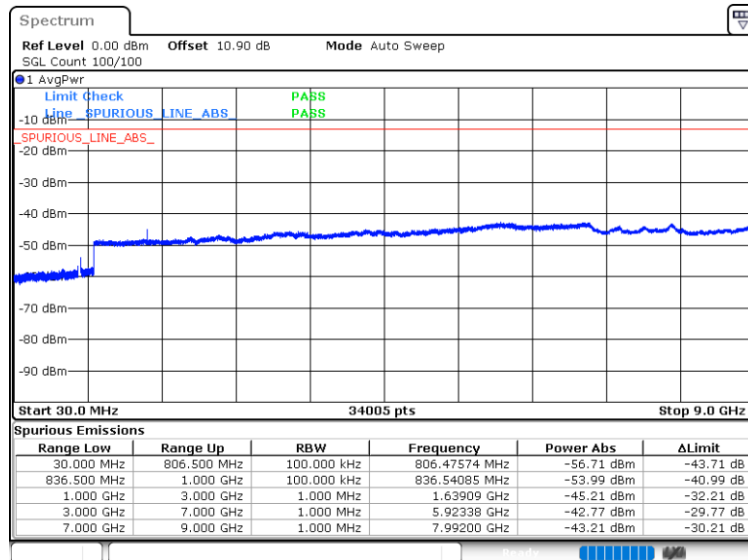
Date: 21.JUN.2021 14:02:19

Middle Channel / QPSK



Date: 21.JUN.2021 14:04:26

Highest Channel / QPSK

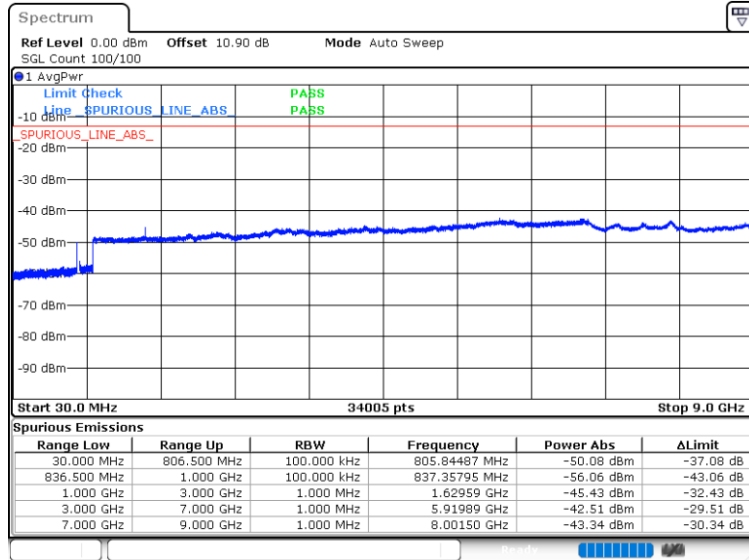


Date: 21.JUN.2021 14:05:03



LTE Band 26 / 10MHz

Middle Channel / QPSK

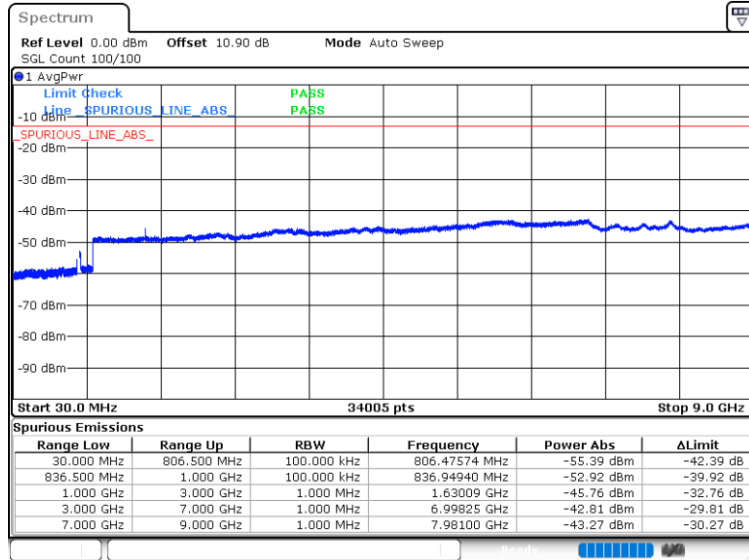


Date: 21.JUN.2021 14:07:33



LTE Band 26 / 15MHz

Middle Channel / QPSK



Date: 21.JUN.2021 14:08:21

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	0.0038	PASS
40	Normal Voltage	0.0143	
30	Normal Voltage	0.0122	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0127	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0085	
-30	Normal Voltage	0.0132	
20	Maximum Voltage	0.0187	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0087	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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	0.0106	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0045	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0122	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0073	

Note:

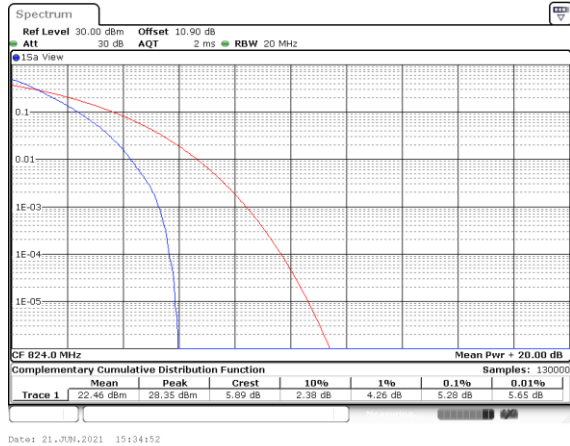
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**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
Middle CH	5.28	5.68	5.88	5.94	PASS

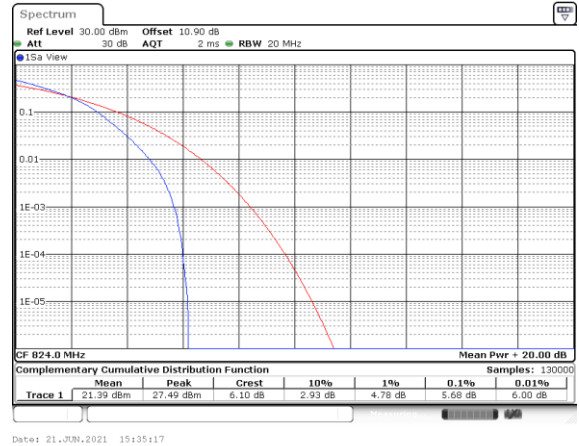
LTE Band 26 / 15MHz / QPSK

Middle Channel / Full RB



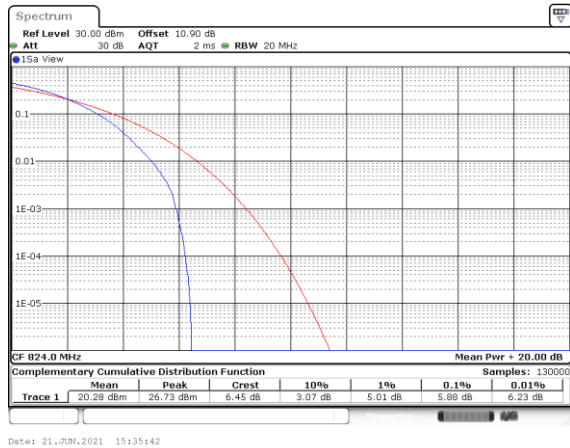
LTE Band 26 / 15MHz / 16QAM

Middle Channel / Full RB



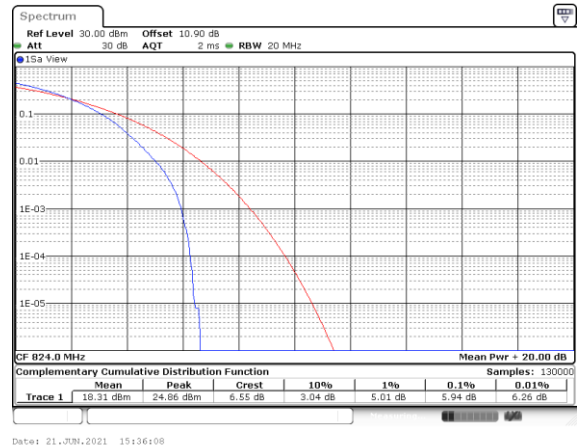
LTE Band 26 / 15MHz / 64QAM

Middle Channel / Full RB



LTE Band 26 / 15MHz / 256QAM

Middle Channel / Full RB



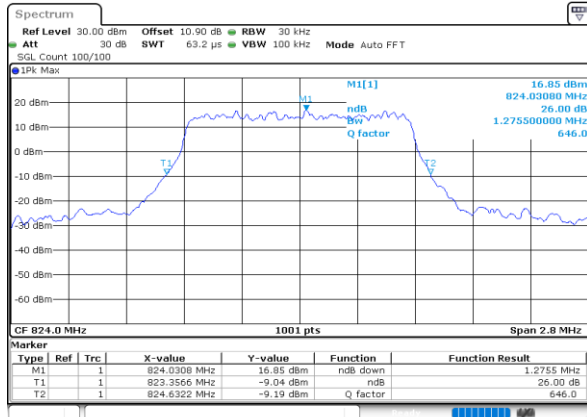
**26dB Bandwidth**

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
Middle CH	1.28	1.35	3.10	3.12	5.20	5.16	9.95	10.69	14.84	14.69	-	-
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
Middle CH	1.29	1.28	3.12	3.07	5.27	5.03	9.85	9.97	14.87	14.63	-	-

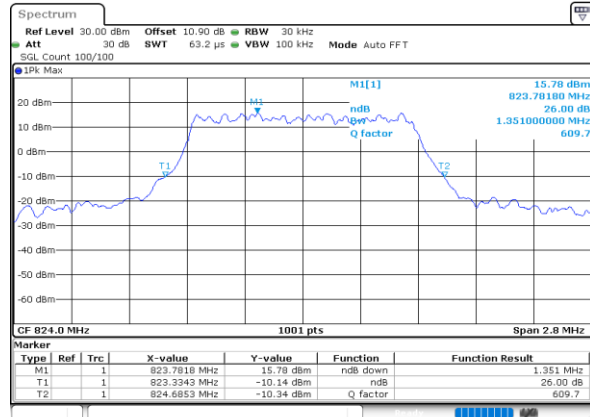


LTE Band 26

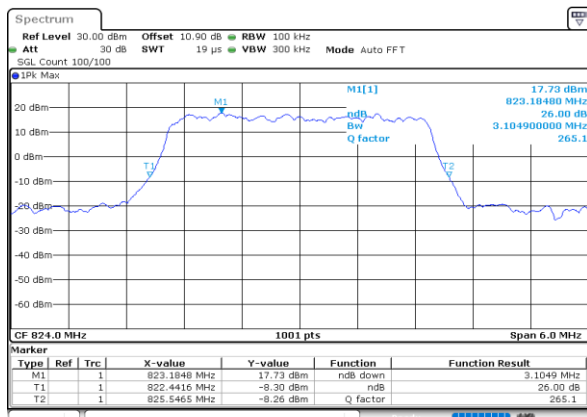
Middle Channel / 1.4MHz / QPSK



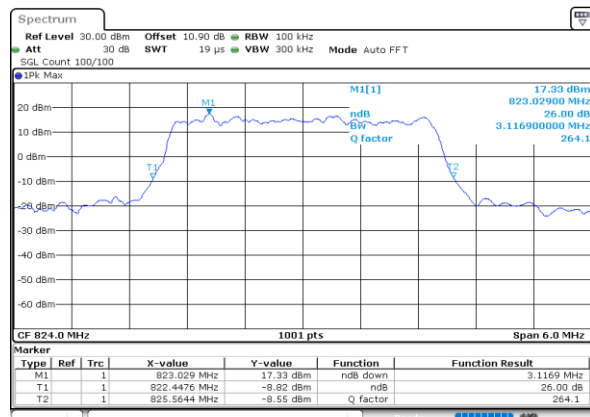
Middle Channel / 1.4MHz / 16QAM



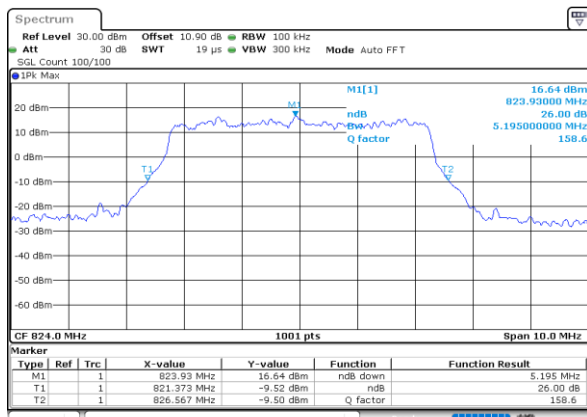
Middle Channel / 3MHz / QPSK



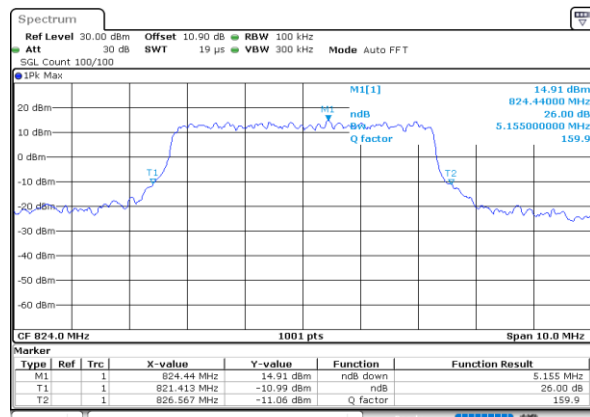
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



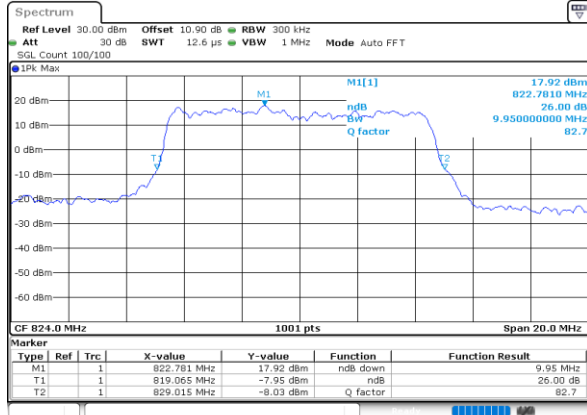
Middle Channel / 5MHz / 16QAM



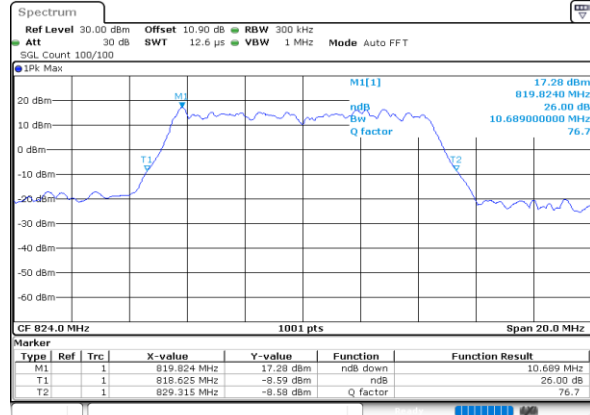


LTE Band 26

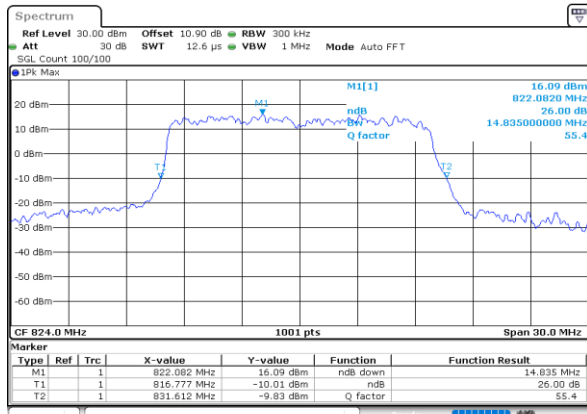
Middle Channel / 10MHz / QPSK



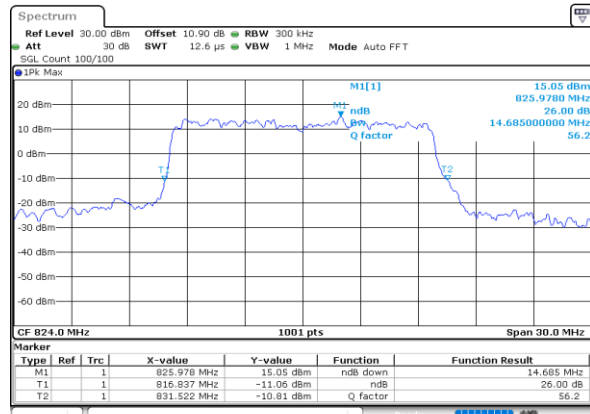
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



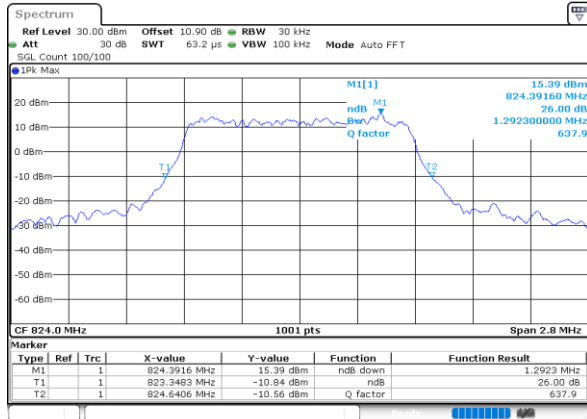
Middle Channel / 15MHz / 16QAM





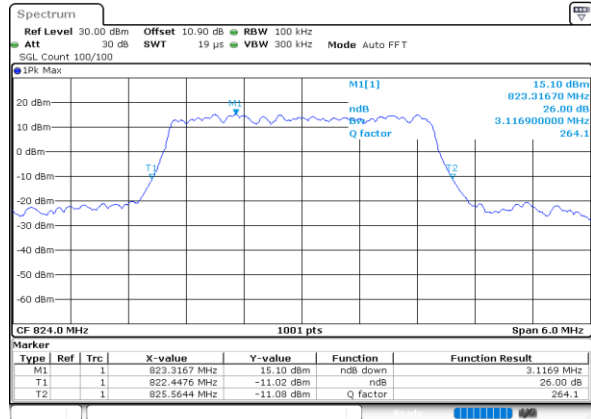
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



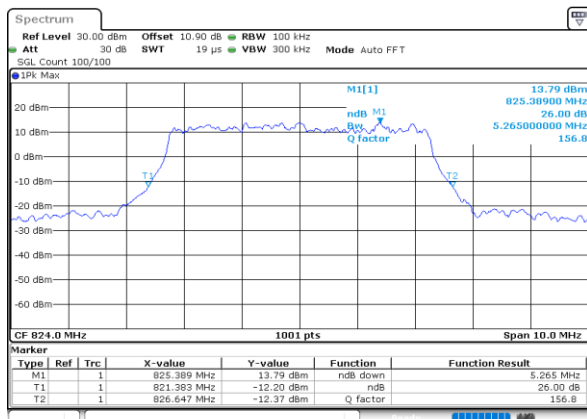
Date: 21.JUN.2021 14:52:44

Middle Channel / 3MHz / 64QAM



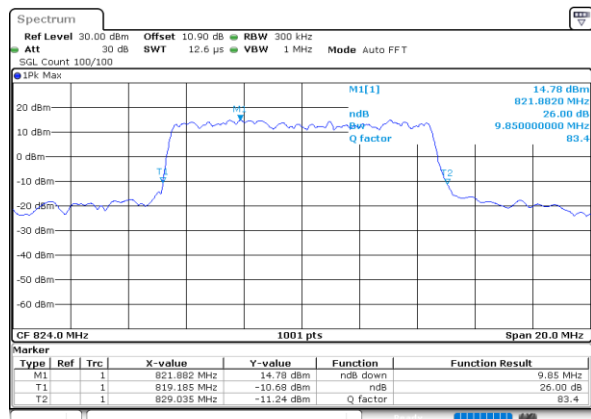
Date: 21.JUN.2021 14:56:07

Middle Channel / 5MHz / 64QAM



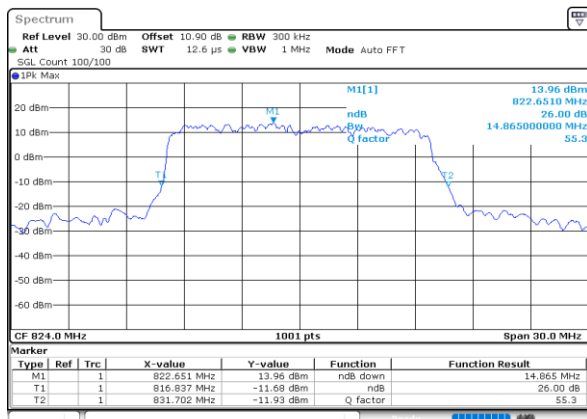
Date: 21.JUN.2021 14:59:54

Middle Channel / 10MHz / 64QAM



Date: 21.JUN.2021 15:10:17

Middle Channel / 15MHz / 64QAM



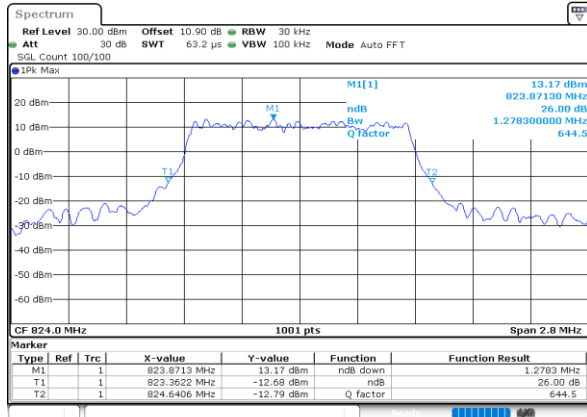
Date: 21.JUN.2021 15:33:42

N/A



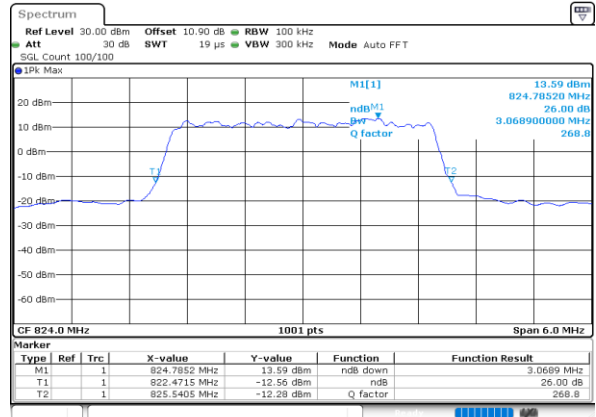
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



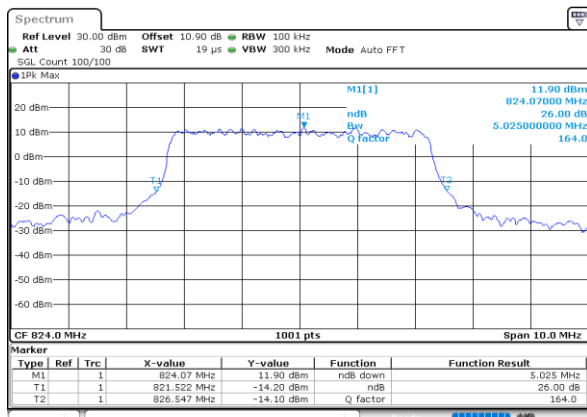
Date: 21.JUN.2021 14:53:05

Middle Channel / 3MHz / 256QAM



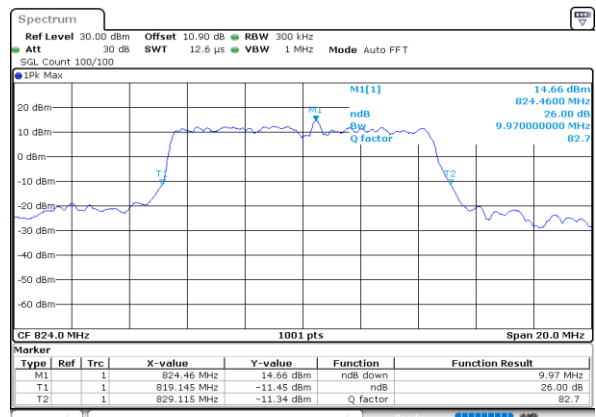
Date: 21.JUN.2021 14:56:28

Middle Channel / 5MHz / 256QAM



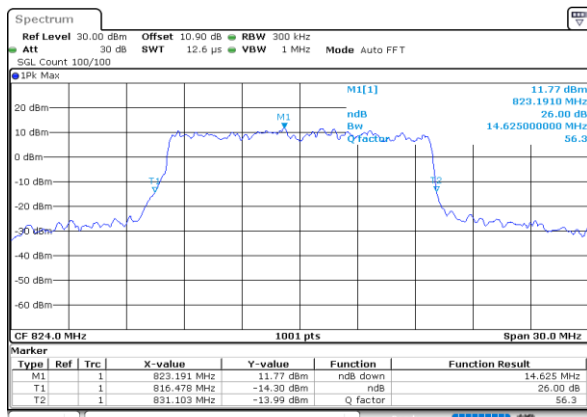
Date: 21.JUN.2021 15:00:16

Middle Channel / 10MHz / 256QAM



Date: 21.JUN.2021 15:10:38

Middle Channel / 15MHz / 256QAM



Date: 21.JUN.2021 15:14:03

N/A

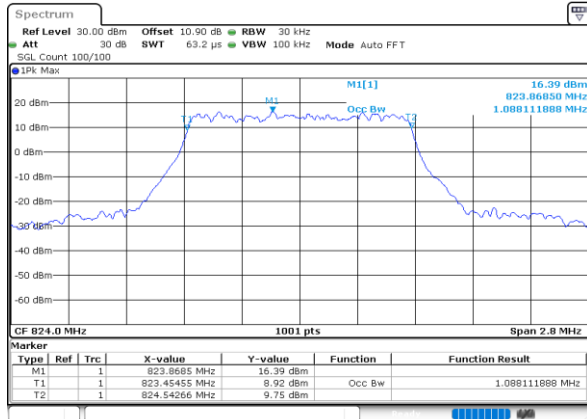
**Occupied Bandwidth**

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
Middle CH	1.09	1.10	2.76	2.73	4.49	4.49	9.11	9.07	13.46	13.46	-	-
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
Middle CH	1.09	1.09	2.72	2.74	4.53	4.53	9.09	9.07	13.46	13.40	-	-

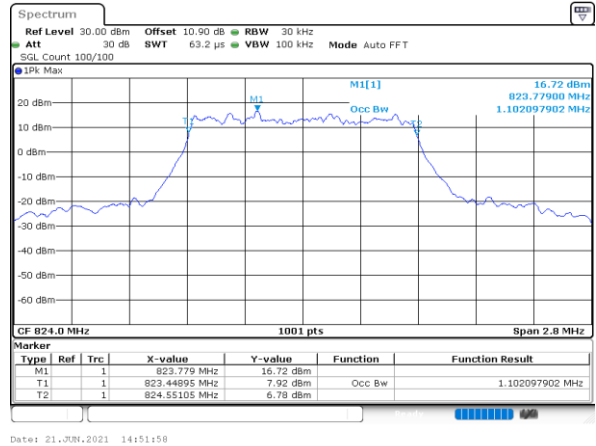


LTE Band 26

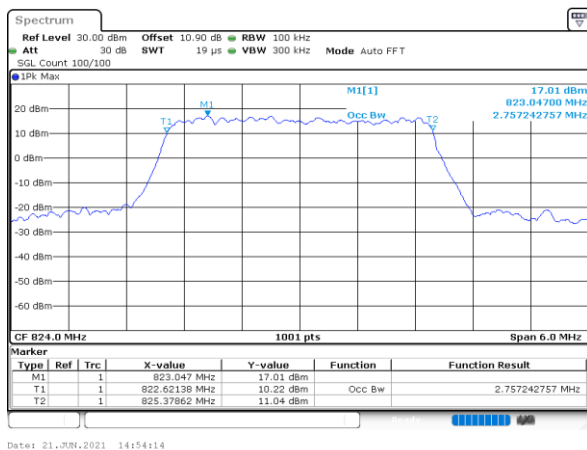
Middle Channel / 1.4MHz / QPSK



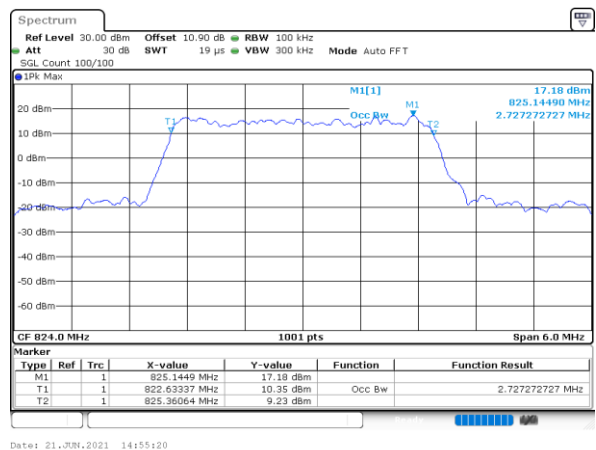
Middle Channel / 1.4MHz / 16QAM



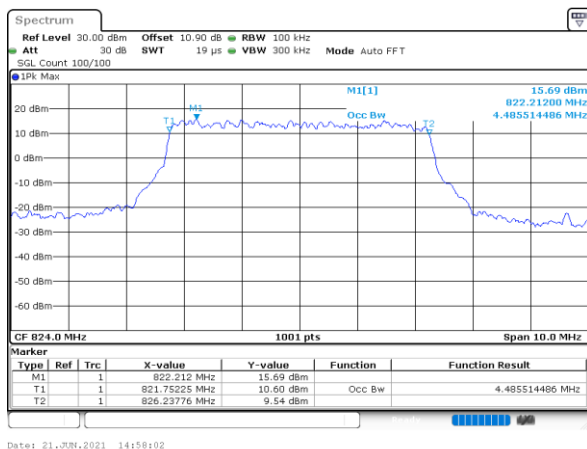
Middle Channel / 3MHz / QPSK



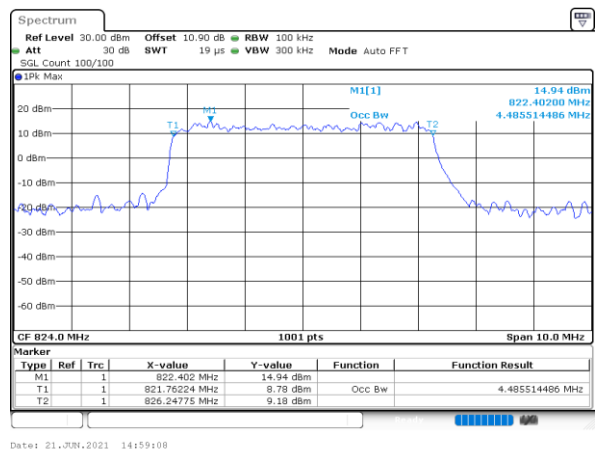
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



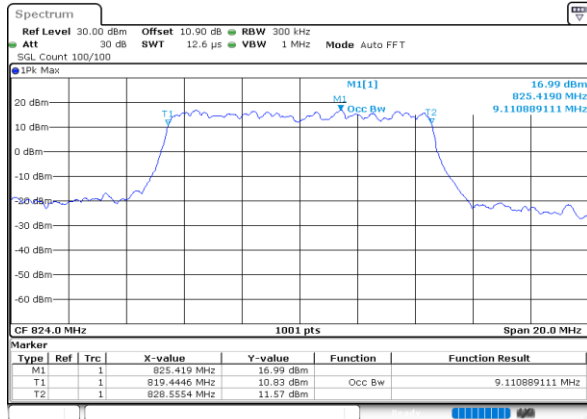
Middle Channel / 5MHz / 16QAM



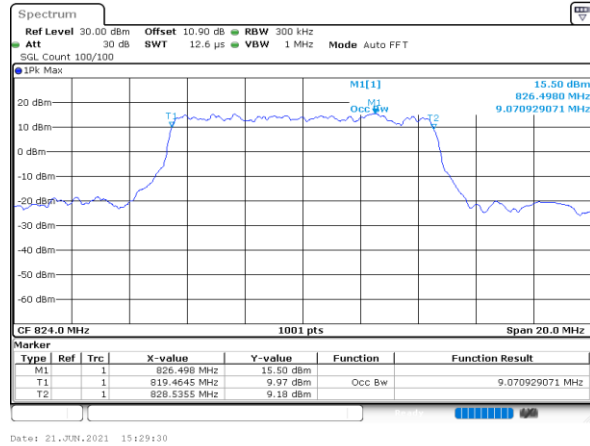


LTE Band 26

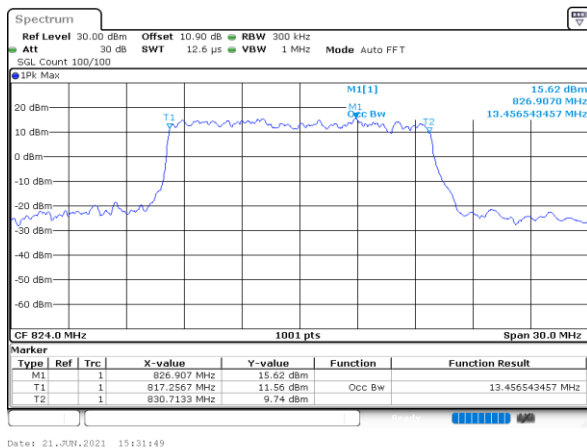
Middle Channel / 10MHz / QPSK



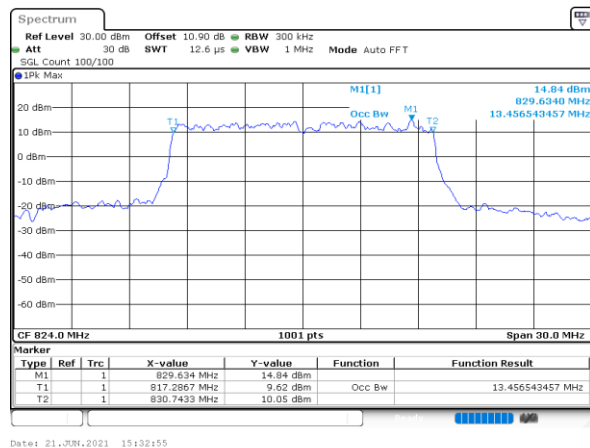
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



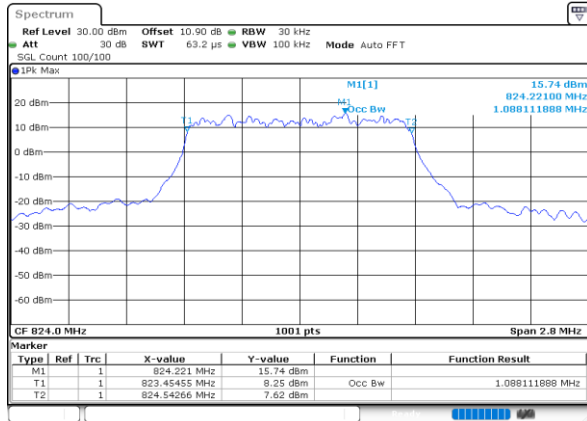
Middle Channel / 15MHz / 16QAM



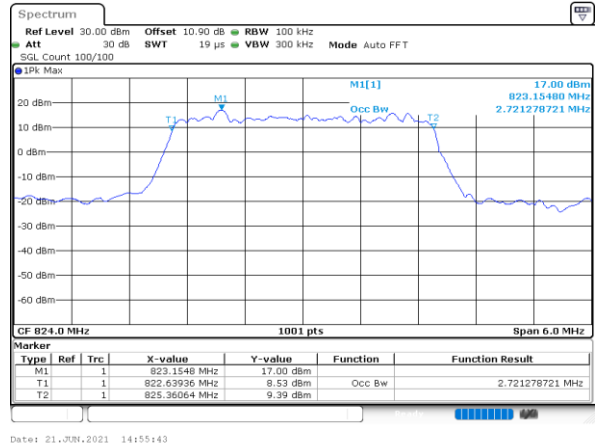


LTE Band 26

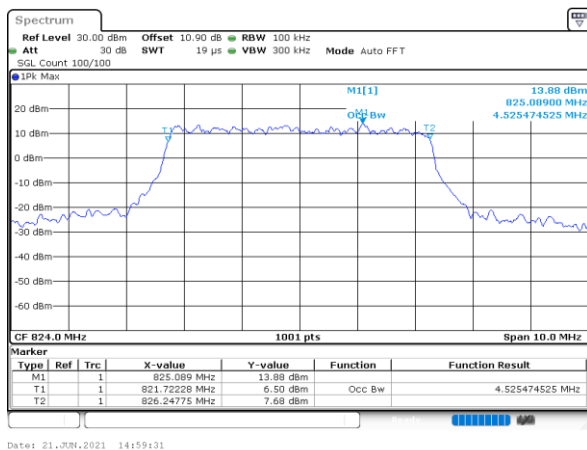
Middle Channel / 1.4MHz / 64QAM



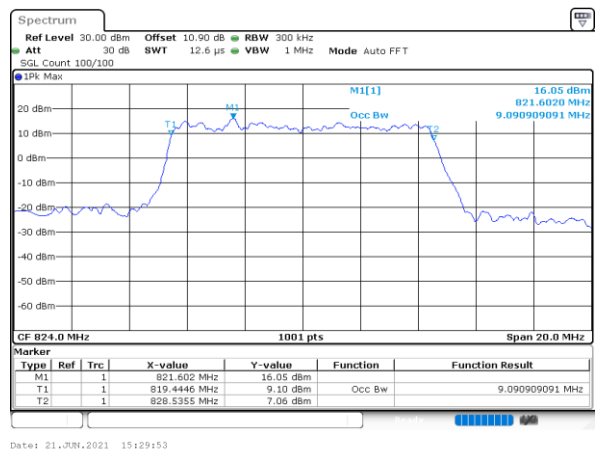
Middle Channel / 3MHz / 64QAM



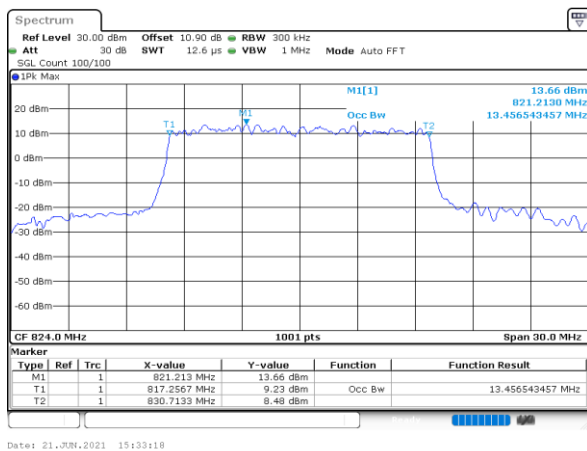
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

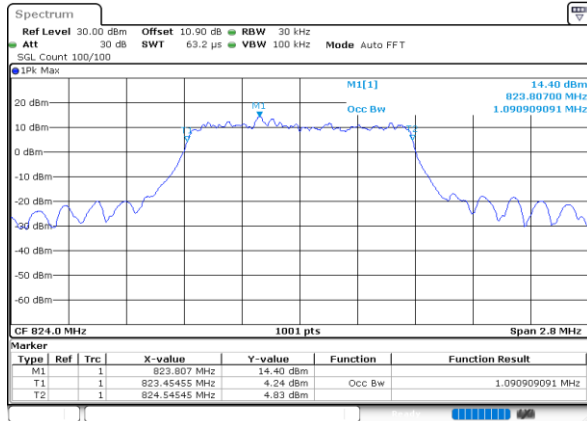


N/A

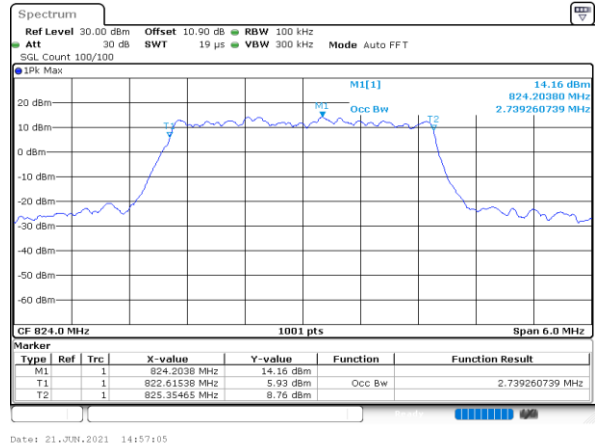


LTE Band 26

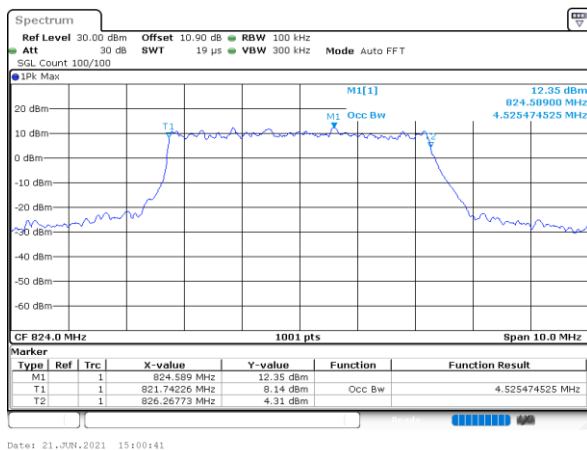
Middle Channel / 1.4MHz / 256QAM



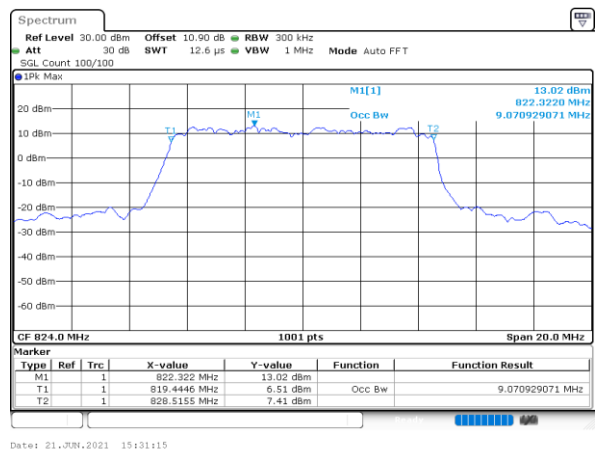
Middle Channel / 3MHz / 256QAM



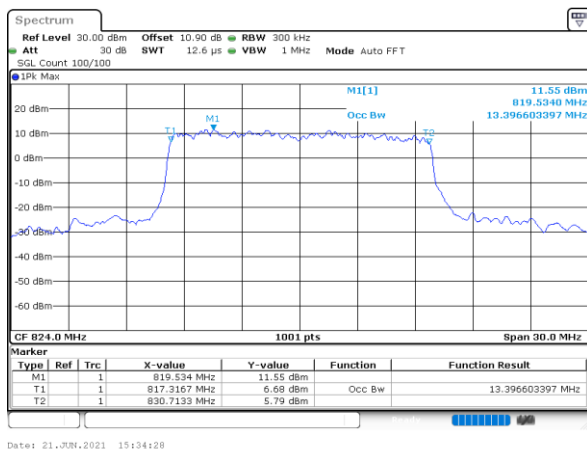
Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



Middle Channel /15MHz / 256QAM

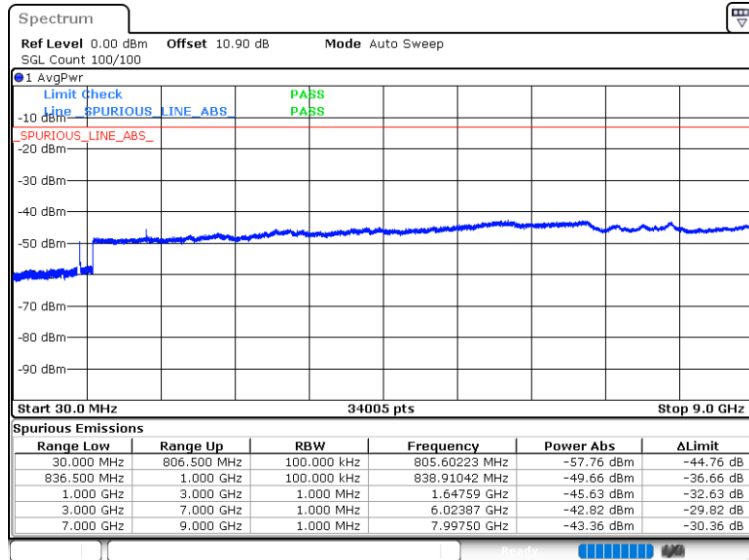


N/A

Emission masks – Out of band emissions

LTE Band 26 / 1.4MHz

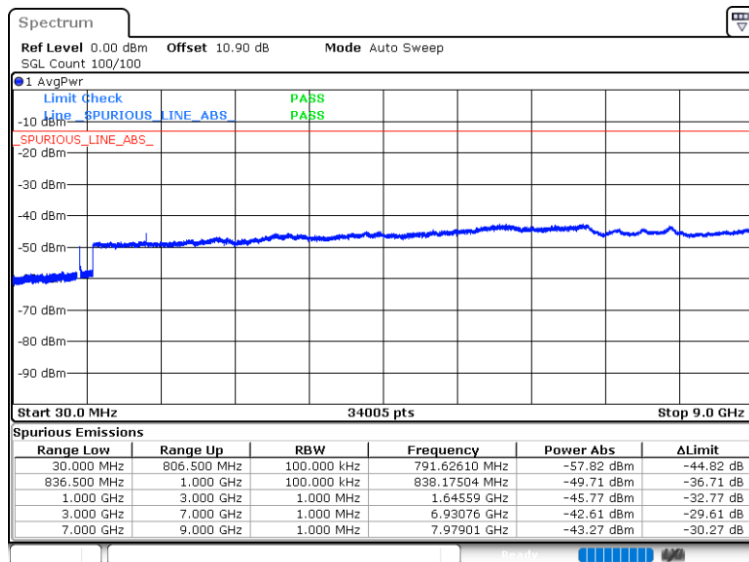
Middle Channel / QPSK



Date: 21.JUN.2021 15:36:50

LTE Band 26 / 3MHz

Middle Channel / QPSK

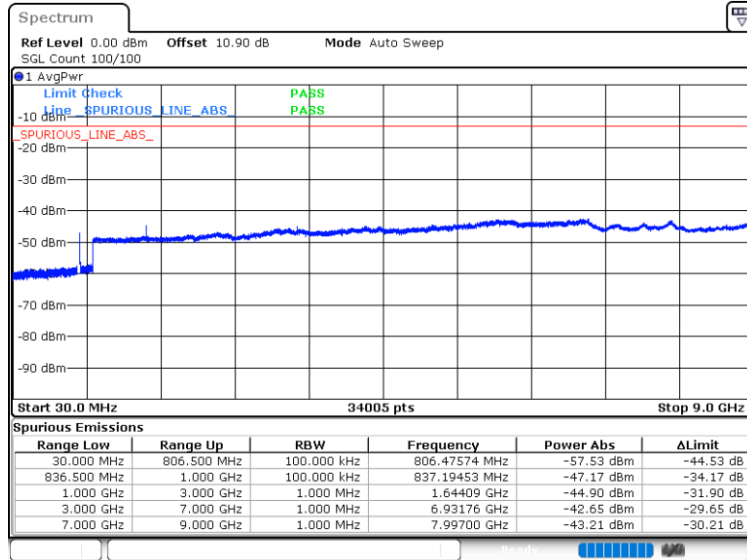


Date: 21.JUN.2021 15:38:14



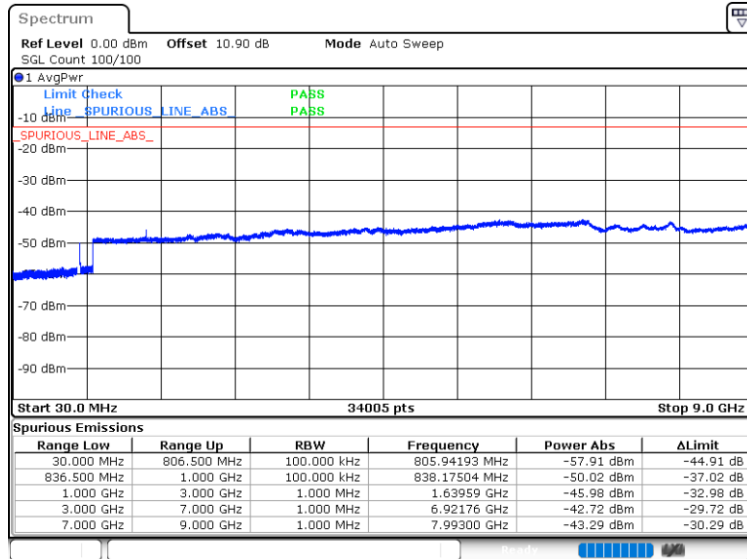
LTE Band 26 / 5MHz

Middle Channel / QPSK



LTE Band 26 / 10MHz

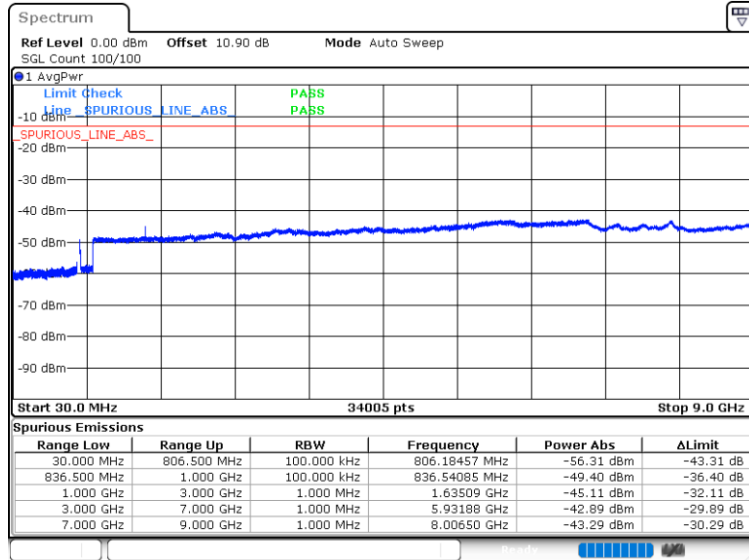
Middle Channel / QPSK





LTE Band 26 / 15MHz

Middle Channel / QPSK



Date: 21.JUN.2021 15:40:16



Appendix B. Test Results of Radiated Test

<Primary Antenna>

<Ant. 0>

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	1628	-57.12	-13	-44.12	-68.86	-58.94	0.97	4.94	H
	2448	-31.32	-13	-18.32	-48.42	-33.14	1.27	5.24	H
	3256	-57.37	-13	-44.37	-76.53	-60.62	1.53	6.93	H
									H
									H
									H
									H
	1628	-57.47	-13	-44.47	-69.69	-59.29	0.97	4.94	V
	2448	-35.25	-13	-22.25	-52.79	-37.07	1.27	5.24	V
	3256	-56.89	-13	-43.89	-76.45	-60.14	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	-61.30	-13	-48.30	-73.02	-63.14	0.97	4.95	H
	2440	-48.41	-13	-35.41	-65.54	-50.21	1.27	5.22	H
	3256	-57.47	-13	-44.47	-76.63	-60.72	1.53	6.93	H
									H
									H
									H
									H
	1624	-60.57	-13	-47.57	-72.77	-62.41	0.97	4.95	V
	2440	-51.49	-13	-38.49	-69.06	-53.29	1.27	5.22	V
	3256	-57.08	-13	-44.08	-76.64	-60.33	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	-63.49	-13	-50.49	-75.21	-65.33	0.97	4.95	H
	2440	-44.47	-13	-31.47	-61.6	-46.27	1.27	5.22	H
	3256	-57.53	-13	-44.53	-76.69	-60.78	1.53	6.93	H
									H
									H
									H
									H
	1624	-63.18	-13	-50.18	-75.38	-65.02	0.97	4.95	V
	2440	-46.11	-13	-33.11	-63.68	-47.91	1.27	5.22	V
	3256	-56.53	-13	-43.53	-76.09	-59.78	1.53	6.93	V
									V
									V
									V
									V
Middle	1632	-60.62	-13	-47.62	-72.36	-62.43	0.97	4.93	H
	2448	-41.26	-13	-28.26	-58.36	-43.08	1.27	5.24	H
	3264	-57.49	-13	-44.49	-76.66	-60.77	1.53	6.96	H
									H
									H
									H
									H
	1632	-61.12	-13	-48.12	-73.34	-62.93	0.97	4.93	V
	2448	-46.82	-13	-33.82	-64.36	-48.64	1.27	5.24	V
	3264	-57.21	-13	-44.21	-76.78	-60.49	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	-60.49	-13	-47.49	-72.37	-62.27	0.97	4.91	H
	2456	-41.72	-13	-28.72	-58.9	-43.56	1.28	5.27	H
	3272	-57.58	-13	-44.58	-76.83	-60.89	1.53	7.00	H
									H
									H
									H
									H
	1640	-60.96	-13	-47.96	-73.31	-62.74	0.97	4.91	V
	2456	-46.28	-13	-33.28	-63.9	-48.12	1.28	5.27	V
	3272	-57.01	-13	-44.01	-76.63	-60.32	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 824MHz**

LTE Band 26 824MHz / 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	-56.49	-13	-43.49	-68.23	-58.3	0.97	4.93	H
	2456	-39.36	-13	-26.36	-56.54	-41.2	1.28	5.27	H
	3272	-56.83	-13	-43.83	-76.08	-60.14	1.53	7.00	H
									H
									H
									H
									H
	1632	-53.69	-13	-40.69	-65.91	-55.5	0.97	4.93	V
	2456	-42.42	-13	-29.42	-60.04	-44.26	1.28	5.27	V
	3272	-57.21	-13	-44.21	-76.83	-60.52	1.53	7.00	V
									V
									V
									V
									V

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



<ASDIV Antenna>

<Ant. 1>

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	1628	-63.44	-13	-50.44	-75.18	-65.26	0.97	4.94	H
	2448	-59.11	-13	-46.11	-76.21	-60.93	1.27	5.24	H
	3256	-57.68	-13	-44.68	-76.84	-60.93	1.53	6.93	H
									H
									H
									H
									H
	1628	-62.99	-13	-49.99	-75.21	-64.81	0.97	4.94	V
	2448	-58.35	-13	-45.35	-75.89	-60.17	1.27	5.24	V
	3256	-57.04	-13	-44.04	-76.6	-60.29	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	-63.69	-13	-50.69	-75.36	-65.53	0.97	4.95	H
	2440	-59.52	-13	-46.52	-76.65	-61.32	1.27	5.22	H
	3256	-57.54	-13	-44.54	-76.73	-60.79	1.53	6.93	H
									H
									H
									H
									H
	1624	-62.88	-13	-49.88	-75.16	-64.72	0.97	4.95	V
	2440	-58.62	-13	-45.62	-76.22	-60.42	1.27	5.22	V
	3256	-57.28	-13	-44.28	-76.78	-60.53	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	-63.75	-13	-50.75	-75.49	-65.59	0.97	4.95	H
	2440	-59.46	-13	-46.46	-76.59	-61.26	1.27	5.22	H
	3256	-57.54	-13	-44.54	-76.56	-60.79	1.53	6.93	H
									H
									H
									H
									H
	1624	-63.32	-13	-50.32	-75.5	-65.16	0.97	4.95	V
	2440	-59.02	-13	-46.02	-76.61	-60.82	1.27	5.22	V
	3256	-57.38	-13	-44.38	-76.93	-60.63	1.53	6.93	V
									V
									V
									V
									V
Middle	1632	-63.54	-13	-50.54	-75.28	-65.35	0.97	4.93	H
	2448	-59.43	-13	-46.43	-76.52	-61.25	1.27	5.24	H
	3264	-57.94	-13	-44.94	-77.08	-61.22	1.53	6.96	H
									H
									H
									H
									H
	1632	-63.22	-13	-50.22	-75.45	-65.03	0.97	4.93	V
	2448	-59.11	-13	-46.11	-76.65	-60.93	1.27	5.24	V
	3264	-57.61	-13	-44.61	-77.19	-60.89	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	-63.79	-13	-50.79	-75.64	-65.57	0.97	4.91	H
	2456	-59.32	-13	-46.32	-76.5	-61.16	1.28	5.27	H
	3272	-57.97	-13	-44.97	-77.2	-61.28	1.53	7.00	H
									H
									H
									H
									H
	1640	-63.21	-13	-50.21	-75.53	-64.99	0.97	4.91	V
	2456	-58.71	-13	-45.71	-76.28	-60.55	1.28	5.27	V
	3272	-57.38	-13	-44.38	-77.07	-60.69	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 824MHz**

LTE Band 26 824MHz / 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	-63.22	-13	-50.22	-74.97	-65.03	0.97	4.93	H
	2456	-57.91	-13	-44.91	-75.11	-59.75	1.28	5.27	H
	3272	-57.74	-13	-44.74	-77.02	-61.05	1.53	7.00	H
									H
									H
									H
									H
	1632	-62.71	-13	-49.71	-74.86	-64.52	0.97	4.93	V
	2456	-58.78	-13	-45.78	-76.34	-60.62	1.28	5.27	V
	3272	-57.38	-13	-44.38	-77.11	-60.69	1.53	7.00	V
									V
									V
									V
									V

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

————THE END————