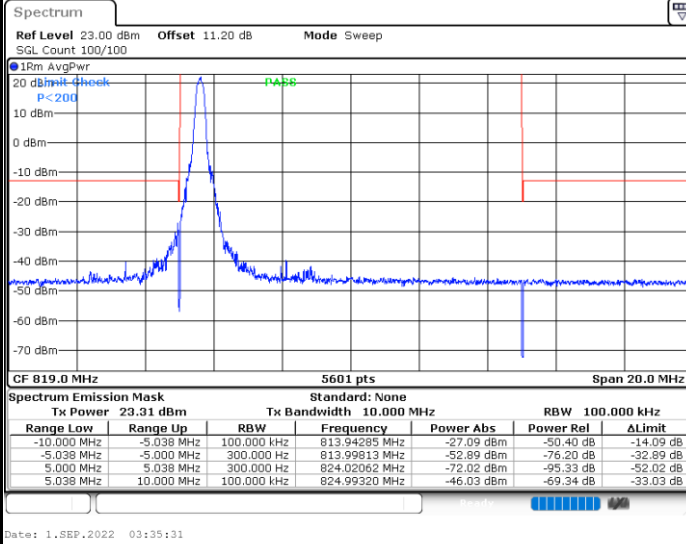


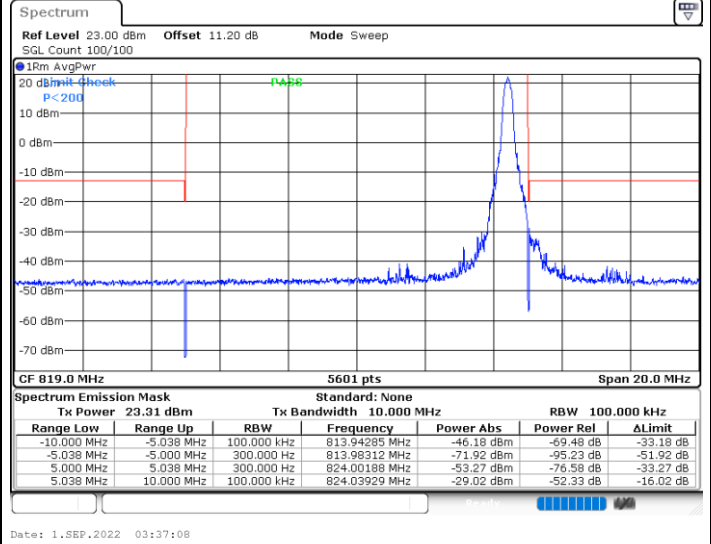


LTE Band 26 / 10MHz / 16QAM

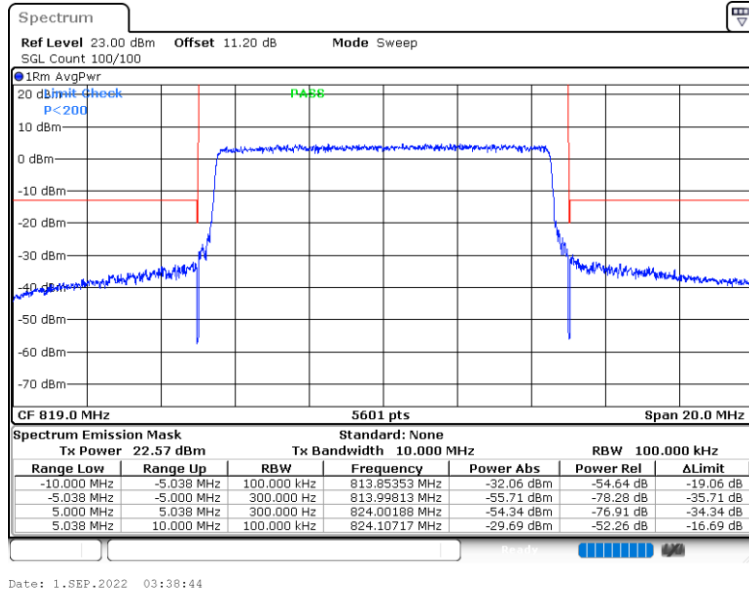
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



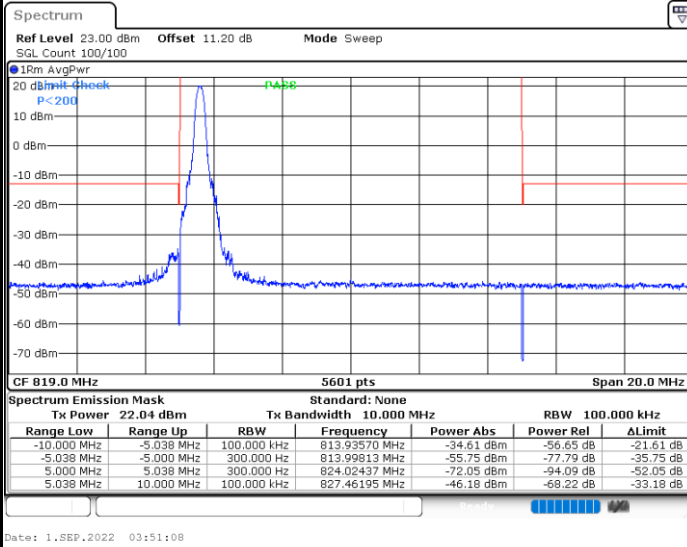
Lowest Band Edge / Full RB



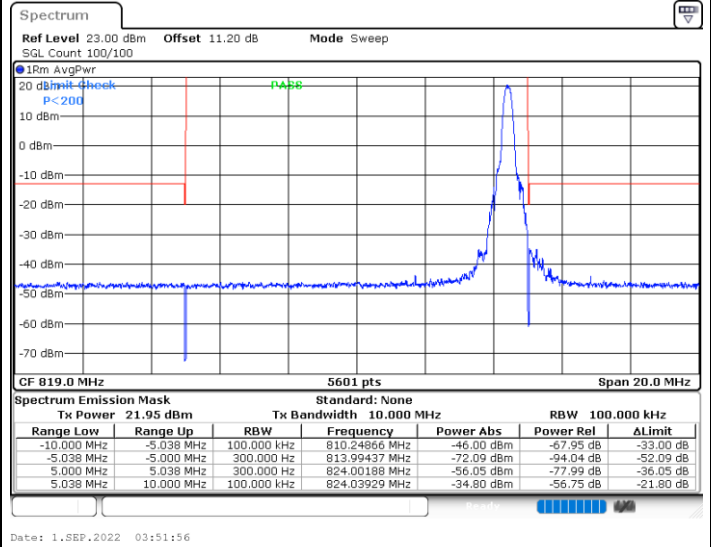


LTE Band 26 / 10MHz / 64QAM

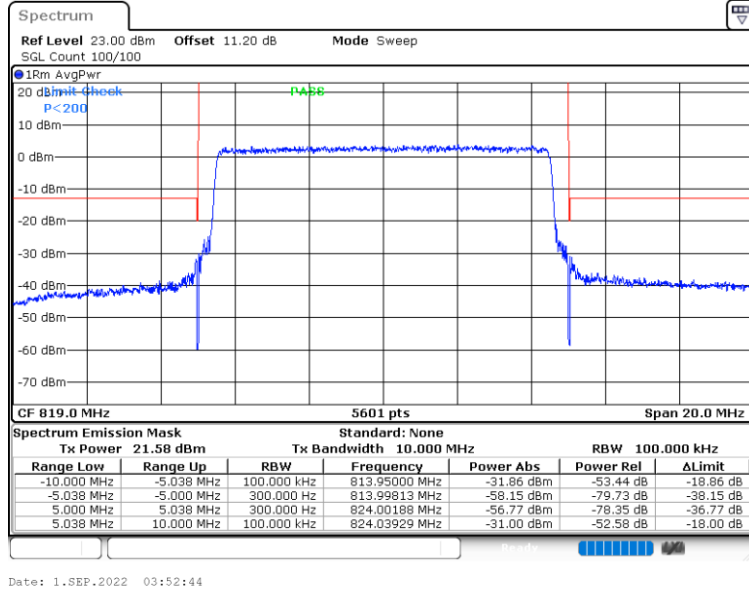
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



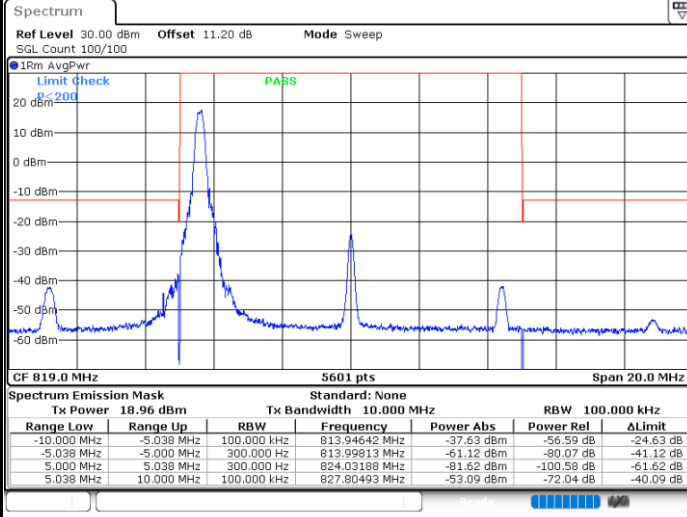
Lowest Band Edge / Full RB





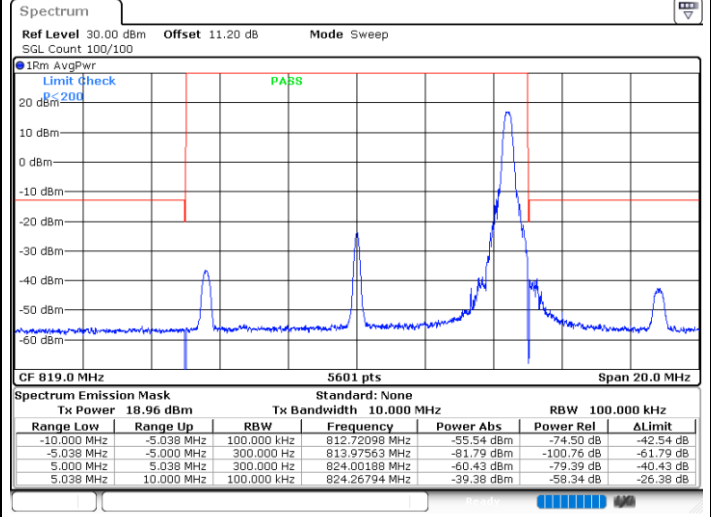
LTE Band 26 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



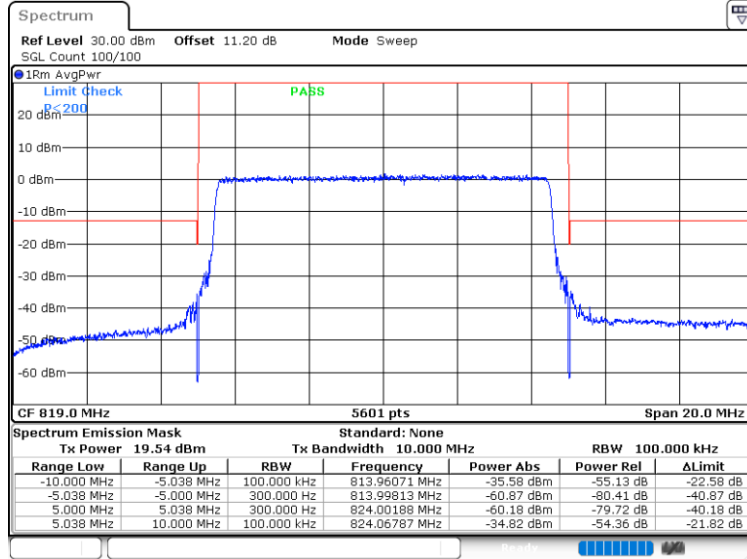
Date: 16.SEP.2022 19:26:35

Highest Band Edge / 1 RB



Date: 16.SEP.2022 19:27:30

Lowest Band Edge / Full RB

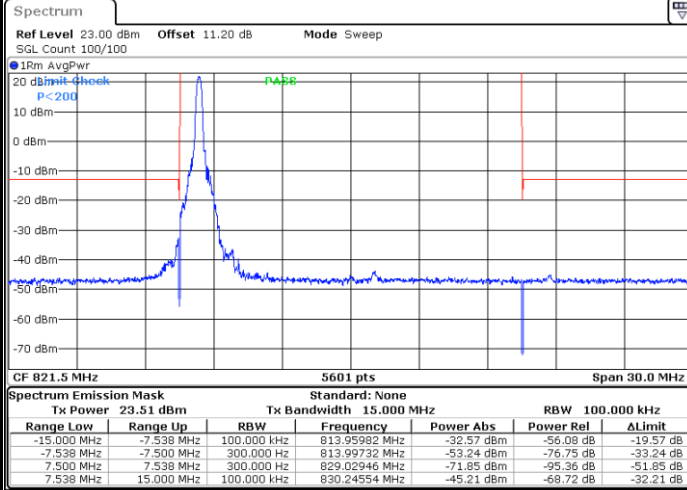


Date: 16.SEP.2022 19:28:26



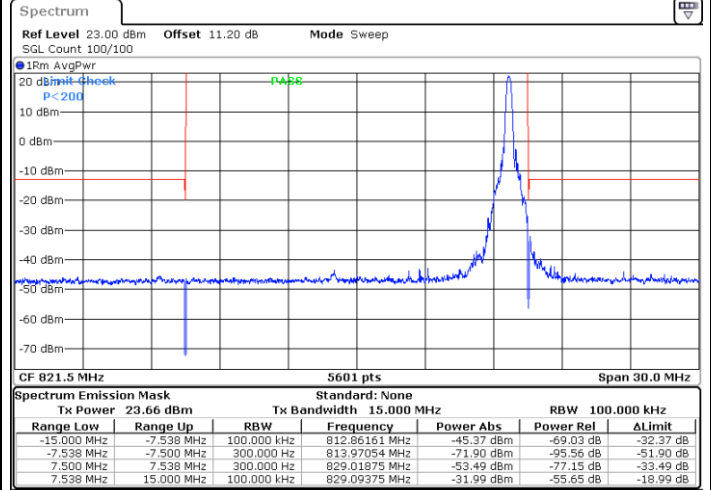
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



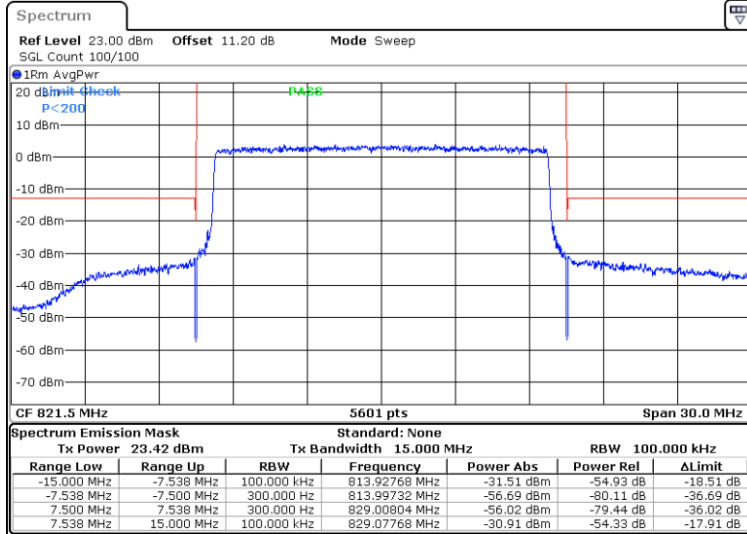
Date: 1.SEP.2022 03:39:37

Highest Band Edge / 1 RB



Date: 1.SEP.2022 03:41:13

Lowest Band Edge / Full RB

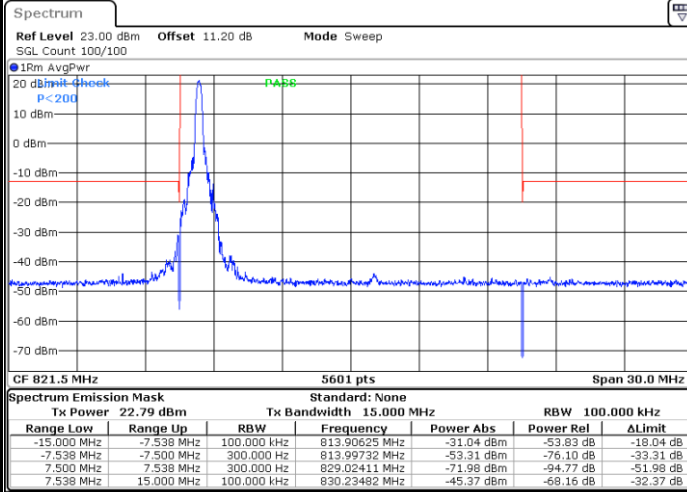


Date: 1.SEP.2022 03:42:50



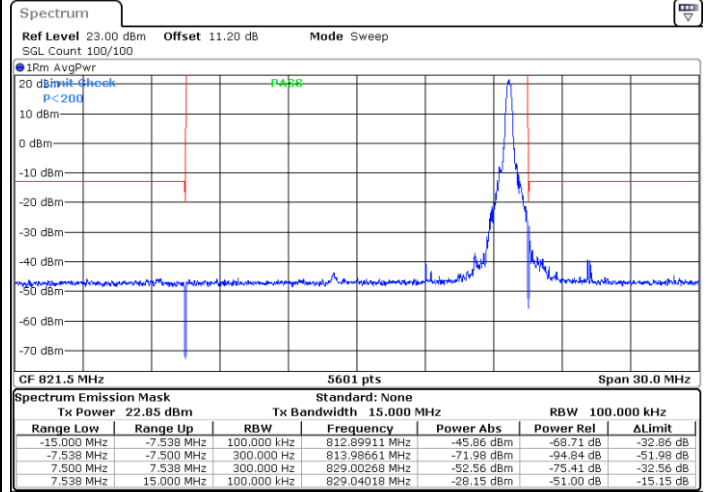
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



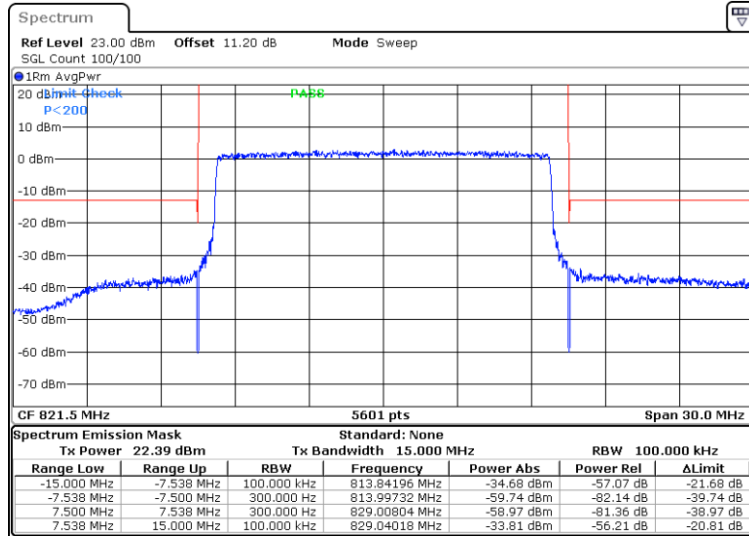
Date: 1.SEP.2022 03:40:25

Highest Band Edge / 1 RB



Date: 1.SEP.2022 03:42:01

Lowest Band Edge / Full RB

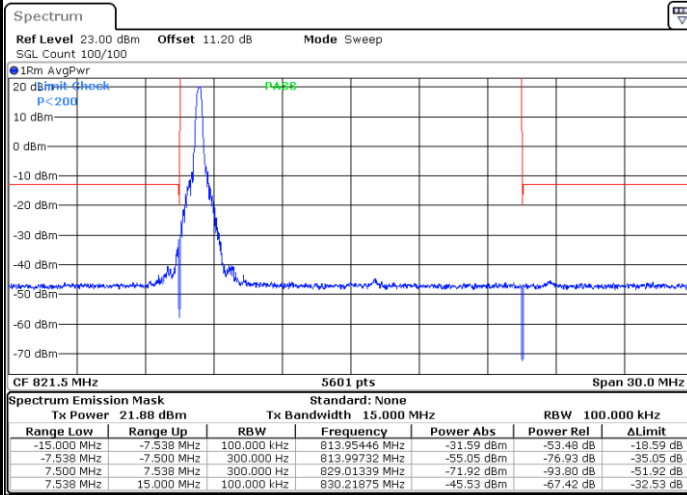


Date: 1.SEP.2022 03:43:38



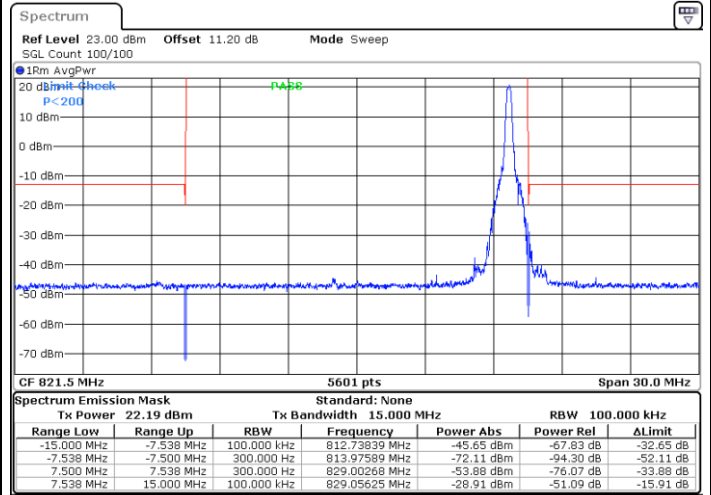
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



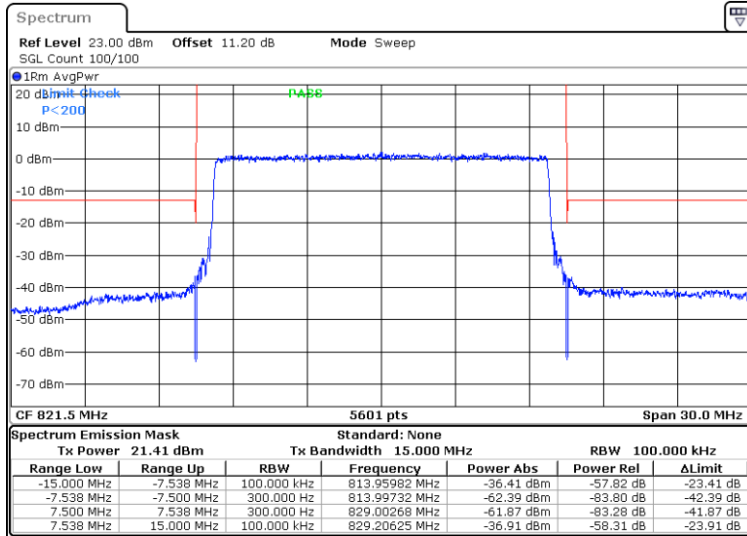
Date: 1.SEP.2022 03:53:38

Highest Band Edge / 1 RB



Date: 1.SEP.2022 03:54:25

Lowest Band Edge / Full RB

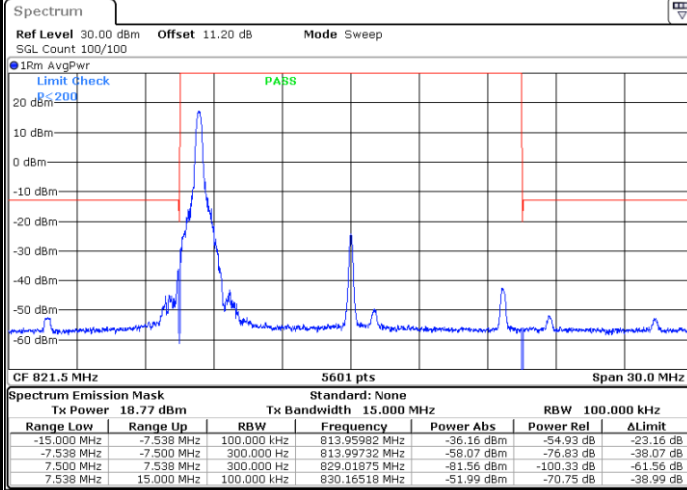


Date: 1.SEP.2022 03:55:14



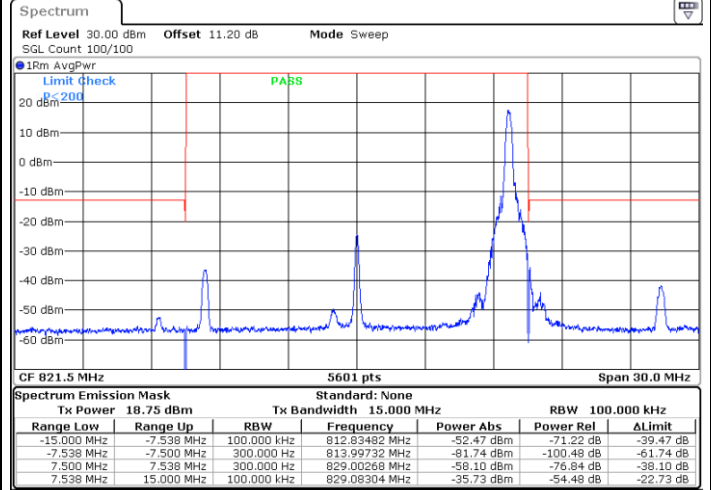
LTE Band 26 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



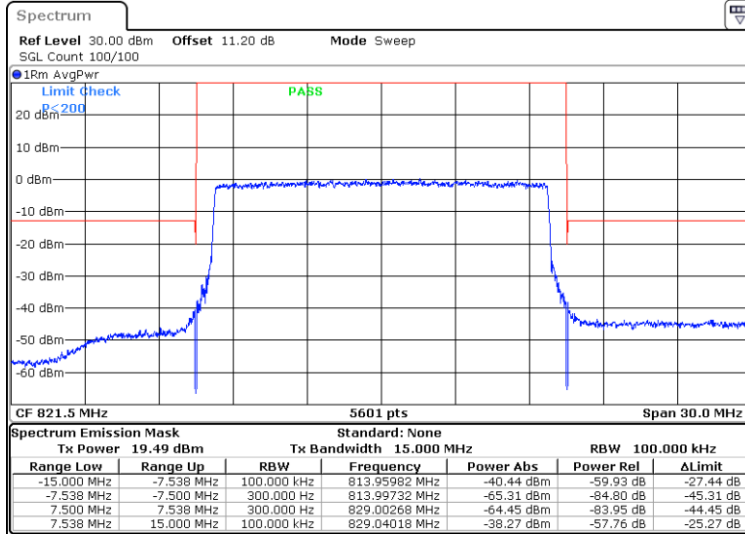
Date: 16.SEP.2022 19:48:15

Highest Band Edge / 1 RB



Date: 16.SEP.2022 19:49:10

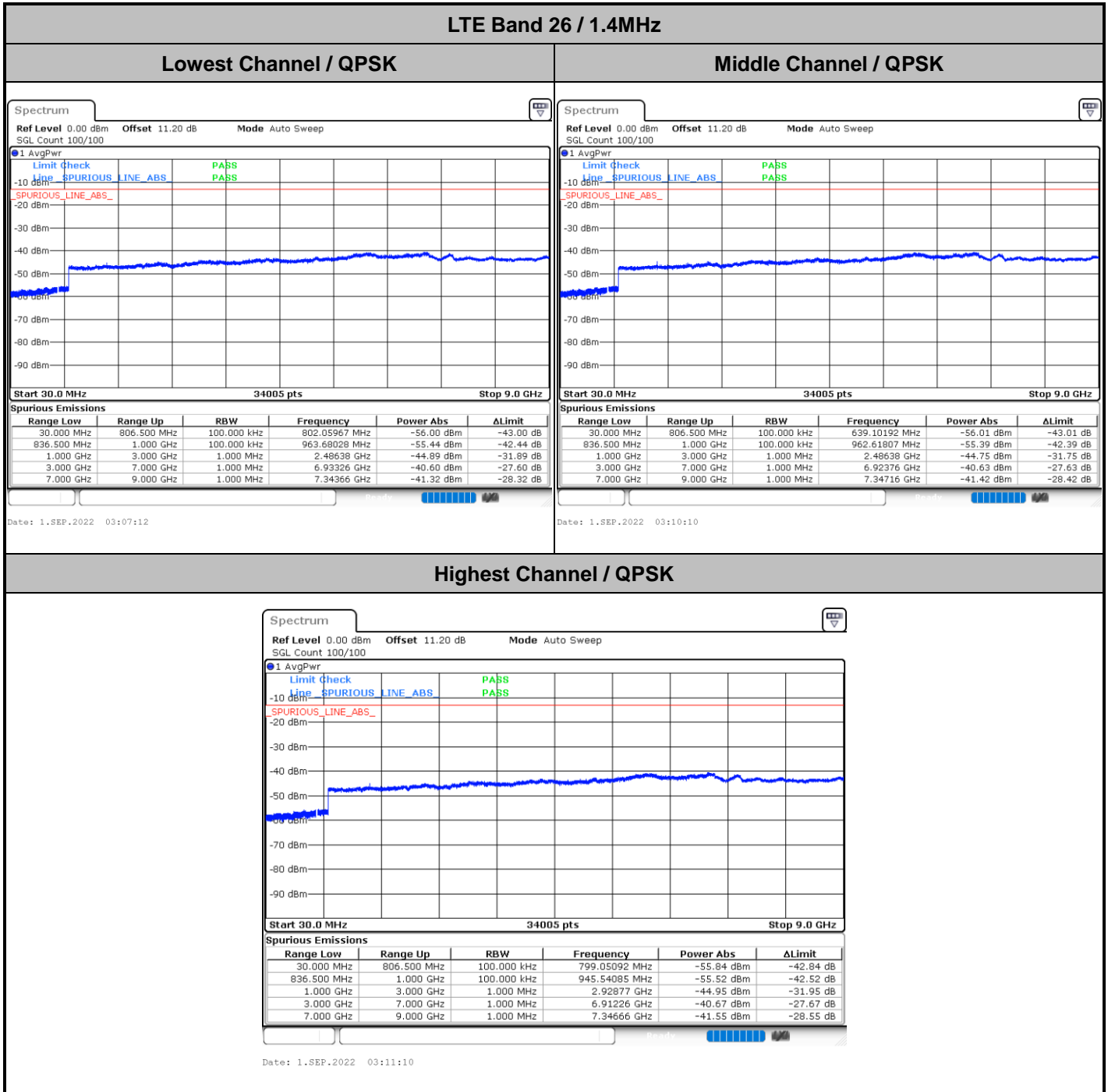
Lowest Band Edge / Full RB



Date: 16.SEP.2022 19:50:06



Emission masks – Out of band emissions



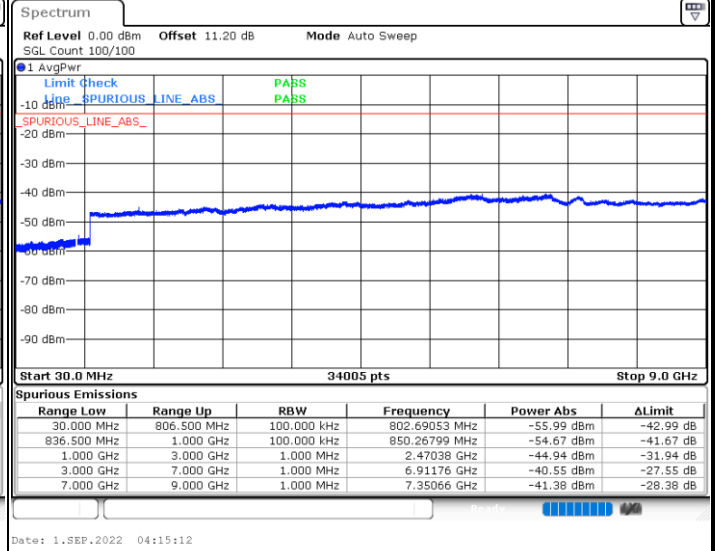
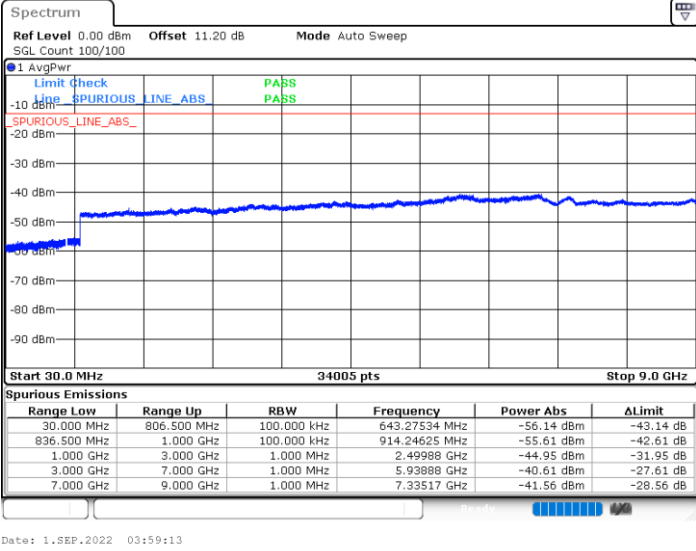




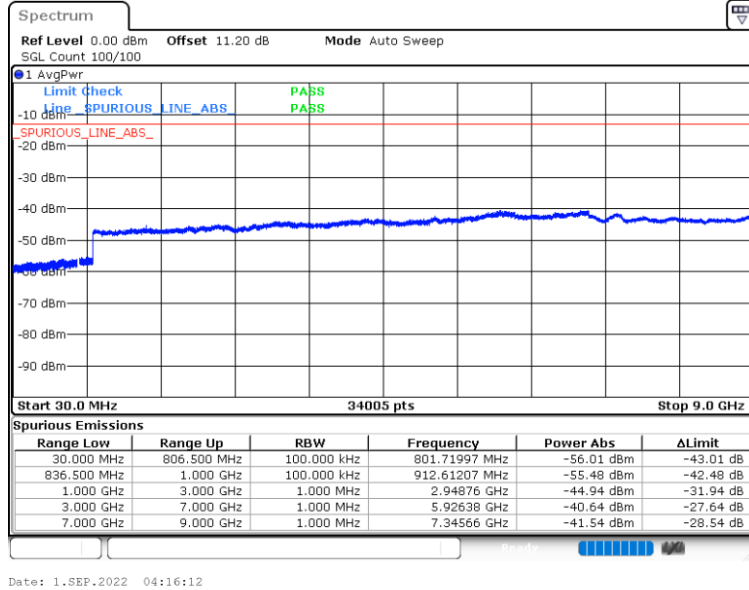
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

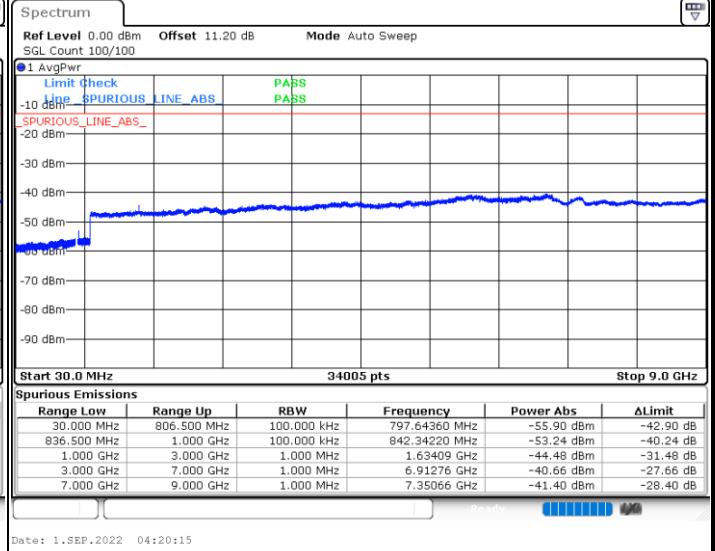
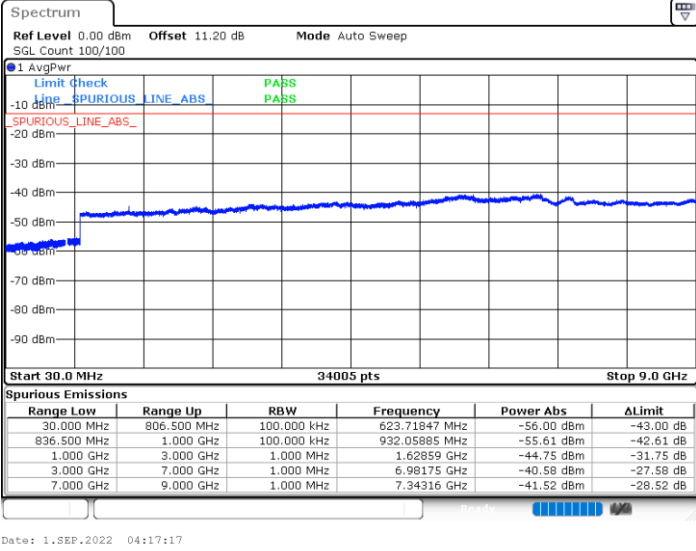




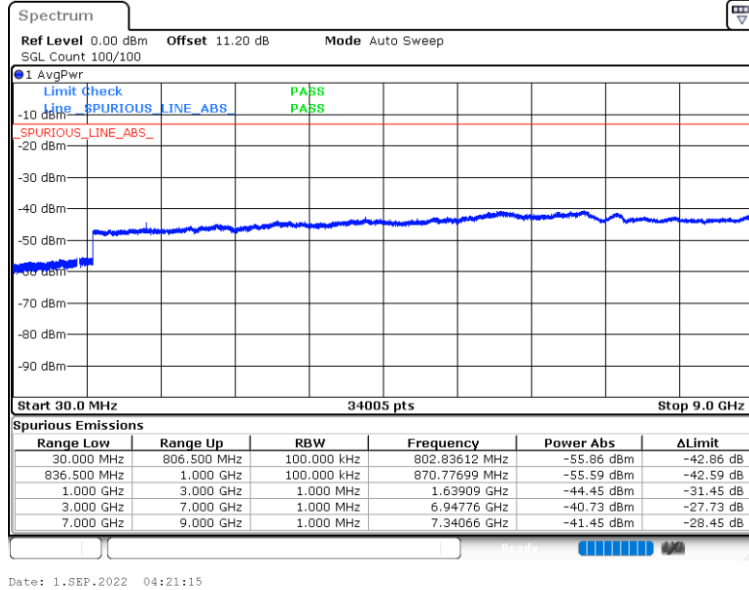
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



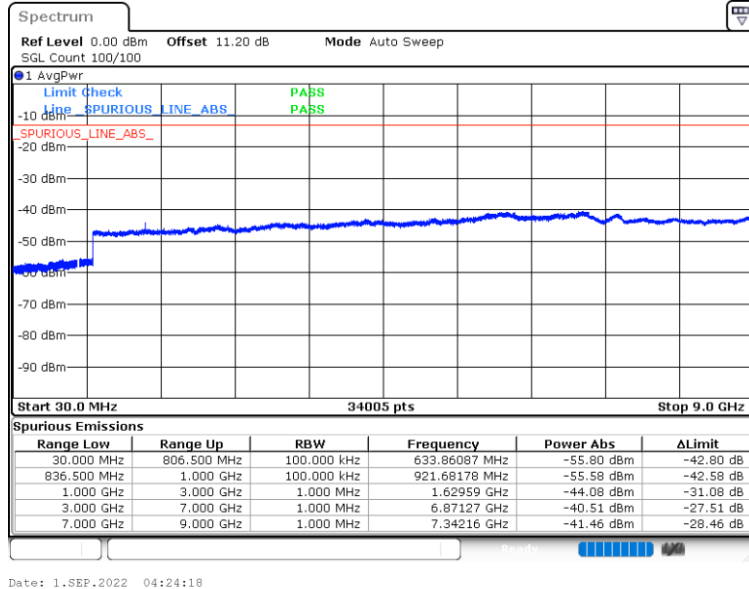
Highest Channel / QPSK





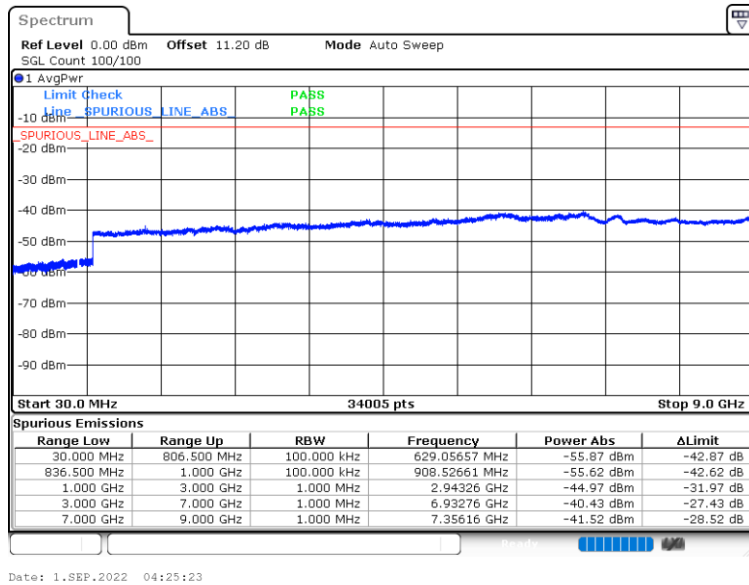
LTE Band 26 / 10MHz

Middle Channel / QPSK



LTE Band 26 / 15MHz

Middle 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	0.0013	PASS
40	Normal Voltage	0.0134	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0068	
-10	Normal Voltage	0.0110	
-20	Normal Voltage	0.0089	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0094	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0083	

**Note:**

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.3 V. ; Maximum Voltage = 4.25 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	0.0108	PASS
40	Normal Voltage	0.0039	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0108	
0	Normal Voltage	0.0065	
-10	Normal Voltage	0.0077	
-20	Normal Voltage	0.0083	
-30	Normal Voltage	0.0156	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0108	
20	Battery End Point	0.0071	

**Note:**

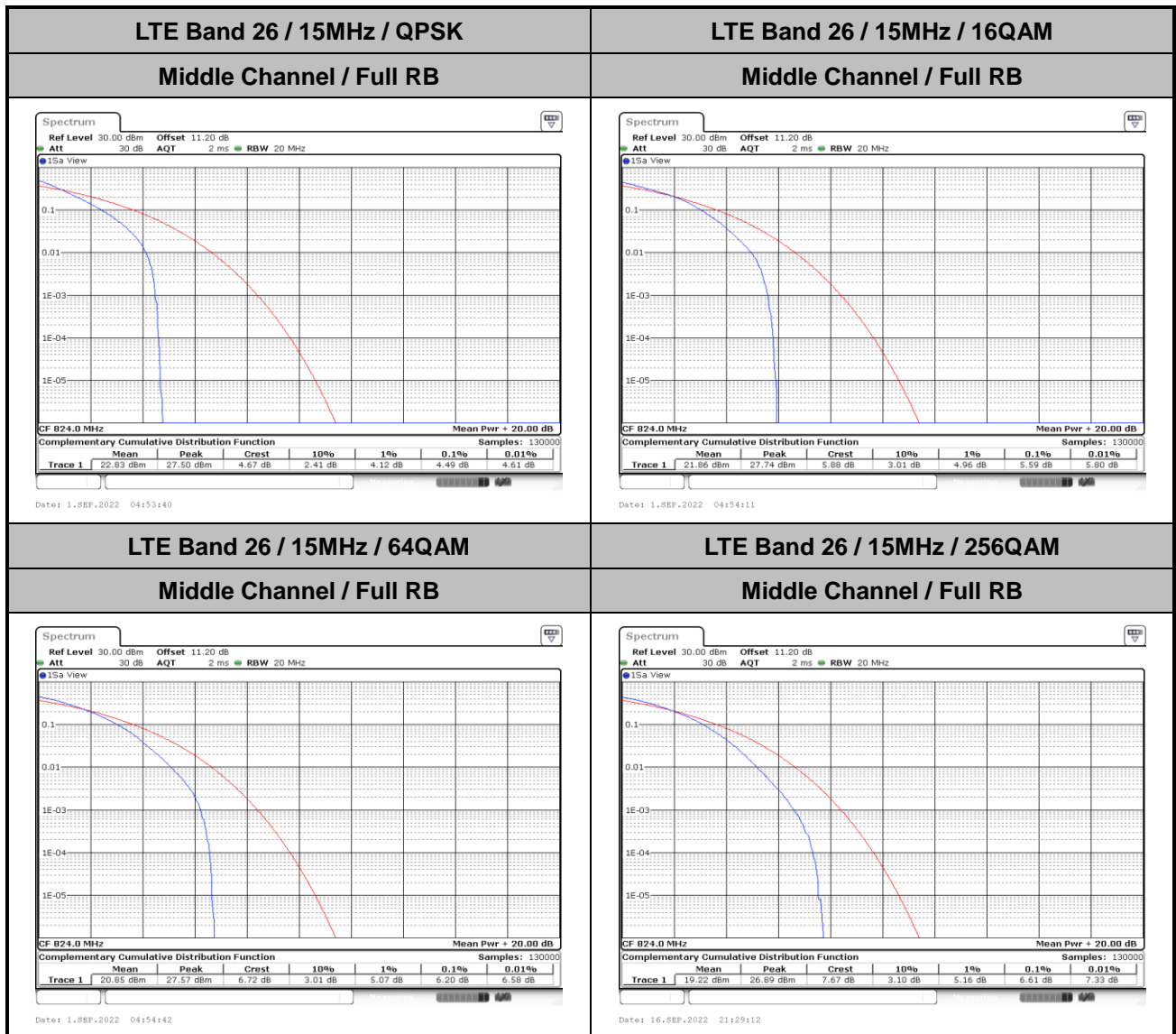
- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.3 V. ; Maximum Voltage = 4.25 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# 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	4.49	5.59	6.20	6.61	PASS





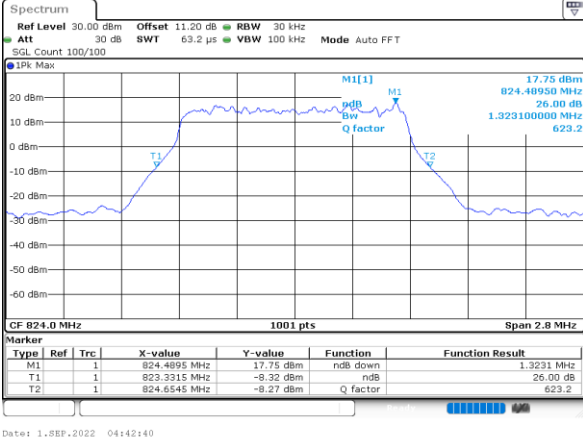
**26dB Bandwidth**

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	1.32	1.33	3.01	3.09	4.96	5.04	10.01	9.95	14.78	14.45	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.30	1.33	3.07	3.09	5.01	5.03	10.15	9.91	14.72	14.24	-	-



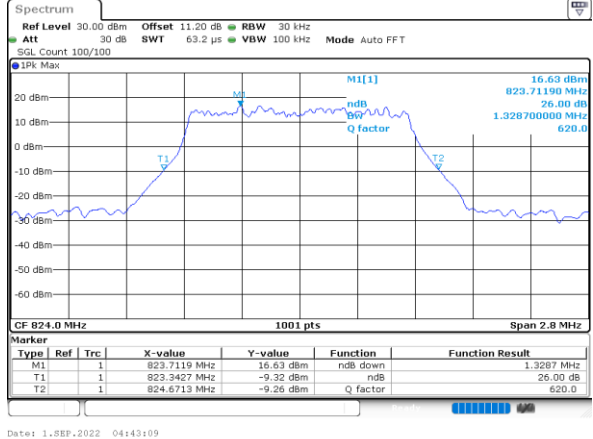
LTE Band 26

Middle Channel / 1.4MHz / QPSK



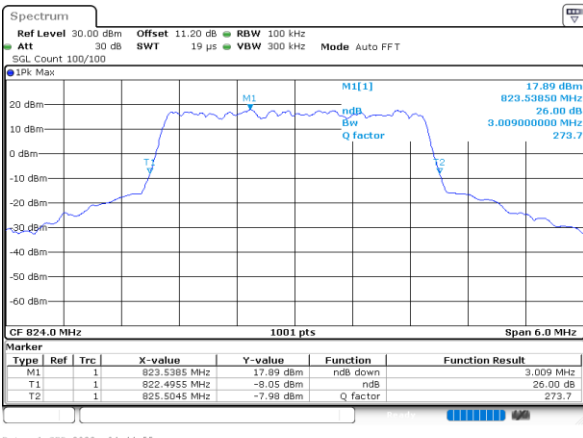
Date: 1.SEP.2022 04:42:40

Middle Channel / 1.4MHz / 16QAM



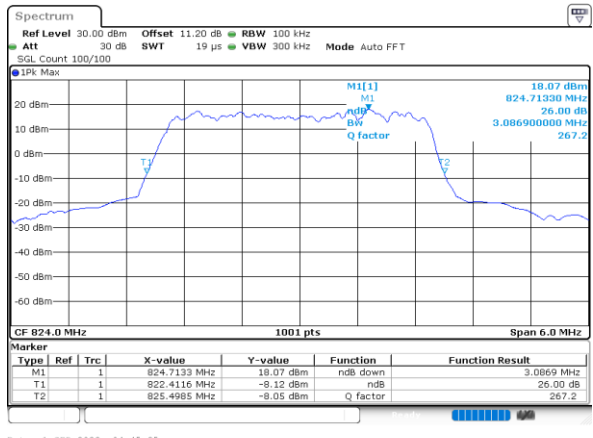
Date: 1.SEP.2022 04:43:09

Middle Channel / 3MHz / QPSK



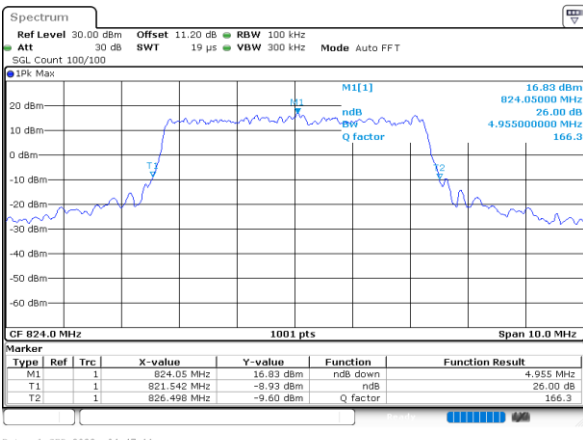
Date: 1.SEP.2022 04:44:55

Middle Channel / 3MHz / 16QAM



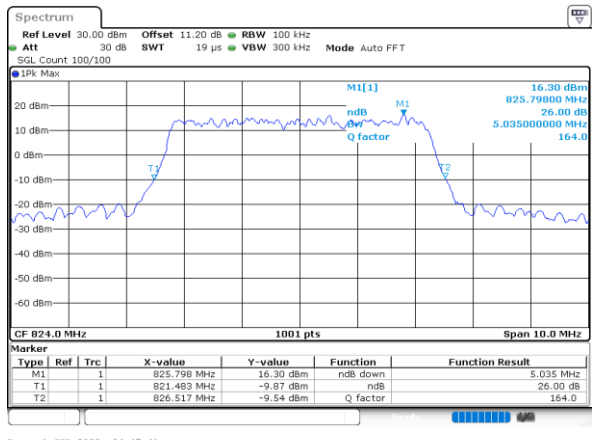
Date: 1.SEP.2022 04:45:25

Middle Channel / 5MHz / QPSK



Date: 1.SEP.2022 04:47:11

Middle Channel / 5MHz / 16QAM



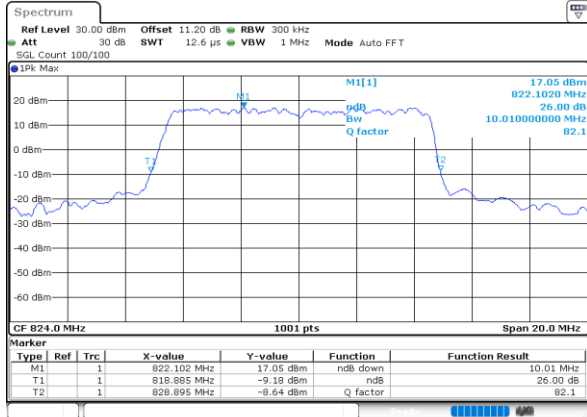
Date: 1.SEP.2022 04:47:41





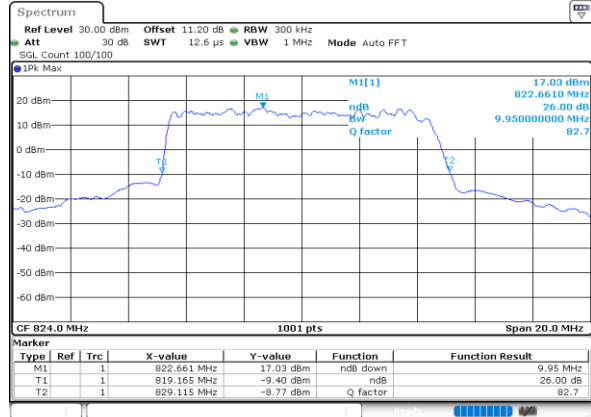
LTE Band 26

Middle Channel / 10MHz / QPSK



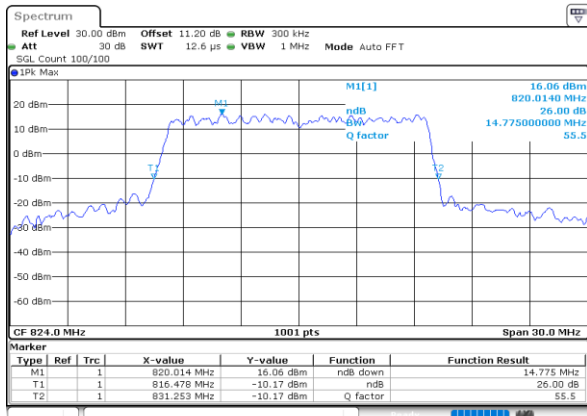
Date: 1.SEP.2022 04:49:27

Middle Channel / 10MHz / 16QAM



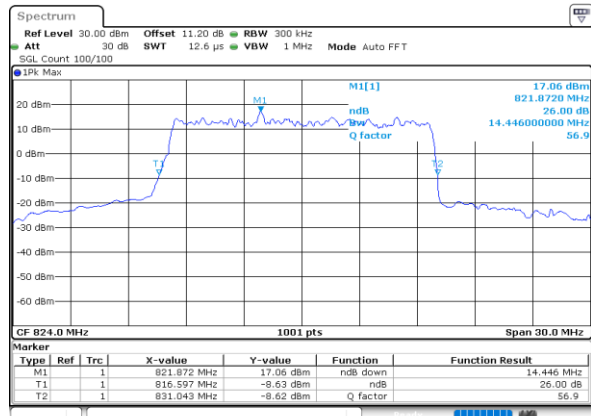
Date: 1.SEP.2022 04:49:56

Middle Channel / 15MHz / QPSK



Date: 1.SEP.2022 04:51:42

Middle Channel / 15MHz / 16QAM

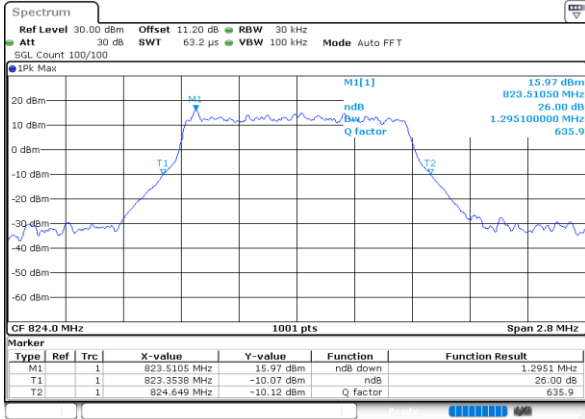


Date: 1.SEP.2022 04:52:12



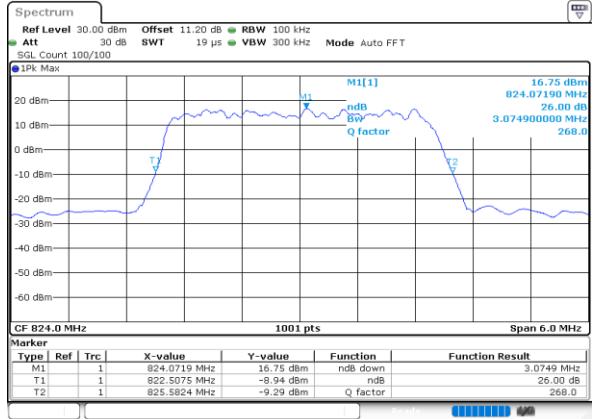
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



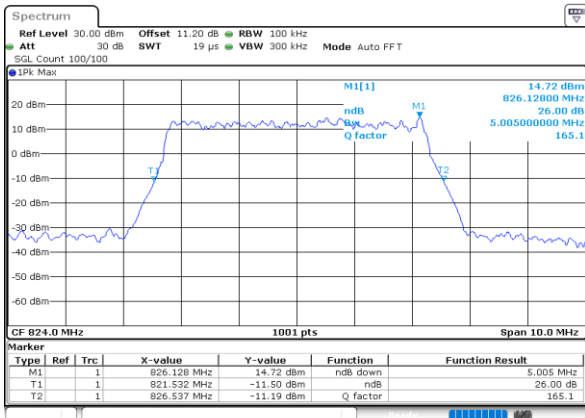
Date: 1.8EP.2022 04:44:07

Middle Channel / 3MHz / 64QAM



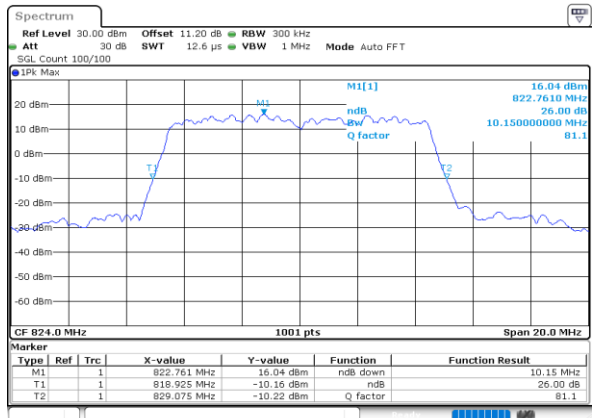
Date: 1.8EP.2022 04:46:22

Middle Channel / 5MHz / 64QAM



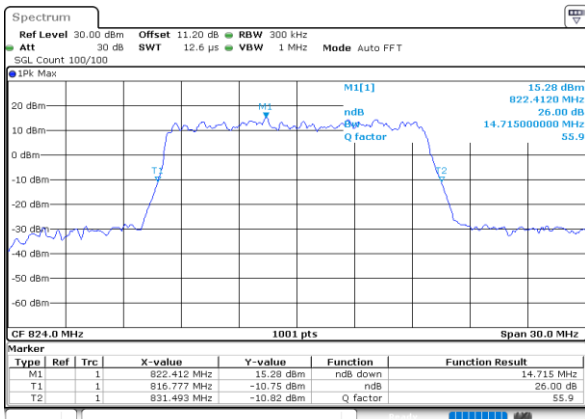
Date: 1.8EP.2022 04:48:38

Middle Channel / 10MHz / 64QAM



Date: 1.8EP.2022 04:50:54

Middle Channel / 15MHz / 64QAM



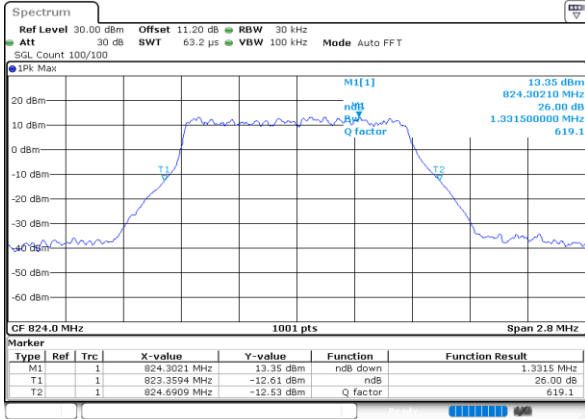
Date: 1.8EP.2022 04:53:09

N/A

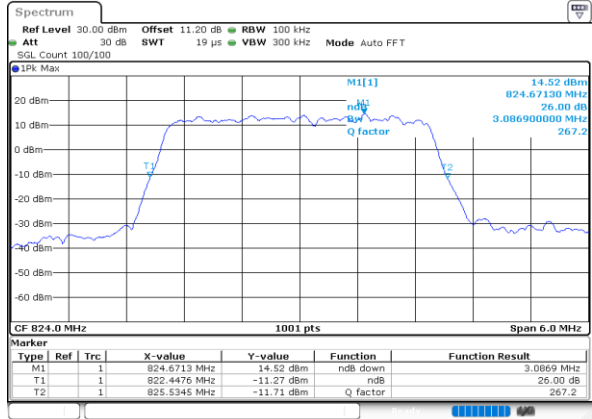


LTE Band 26

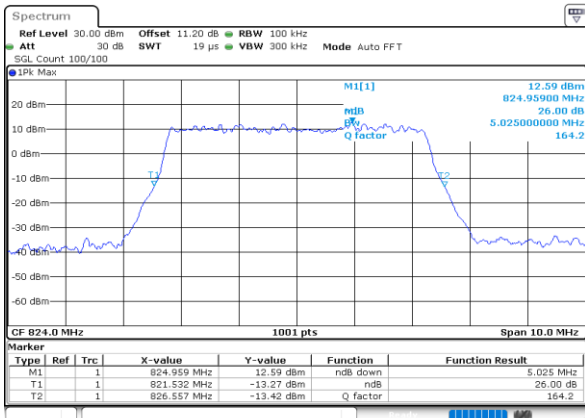
Middle Channel / 1.4MHz / 256QAM



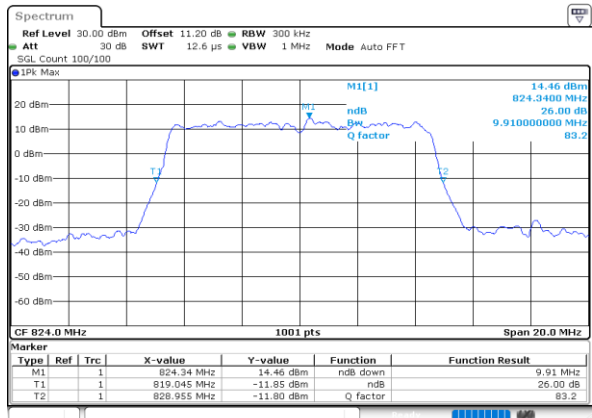
Middle Channel / 3MHz / 256QAM



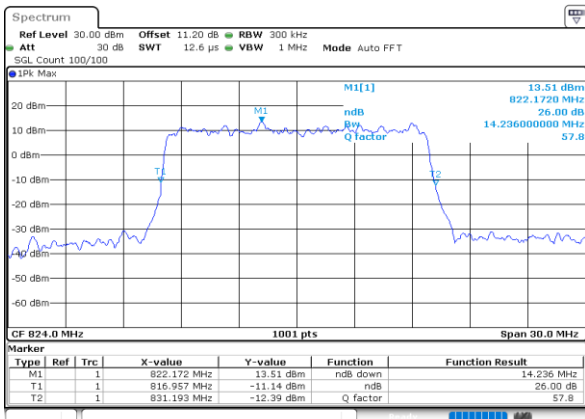
Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



N/A



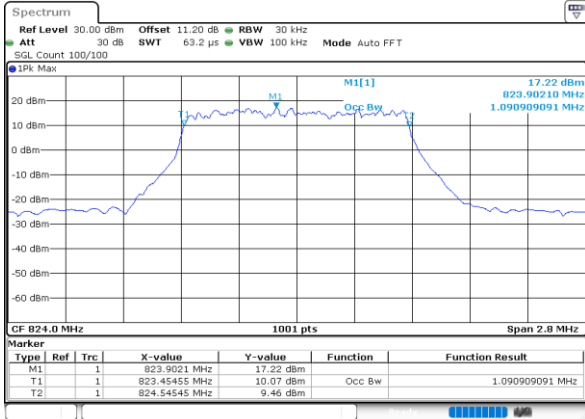
**Occupied Bandwidth**

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	2.72	2.74	4.50	4.52	9.03	9.03	13.46	13.43	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.10	1.10	2.73	2.75	4.56	4.49	8.99	9.03	13.43	13.43	-	-



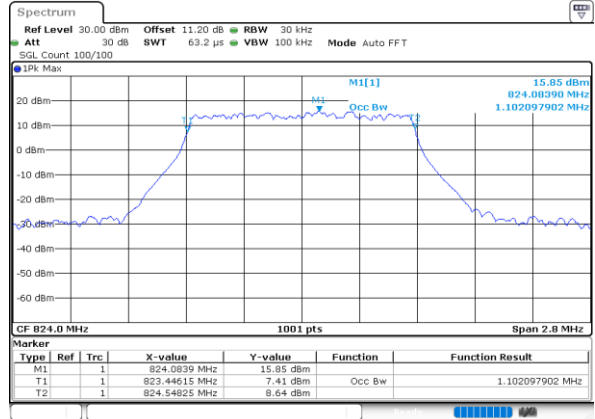
LTE Band 26

Middle Channel / 1.4MHz / QPSK



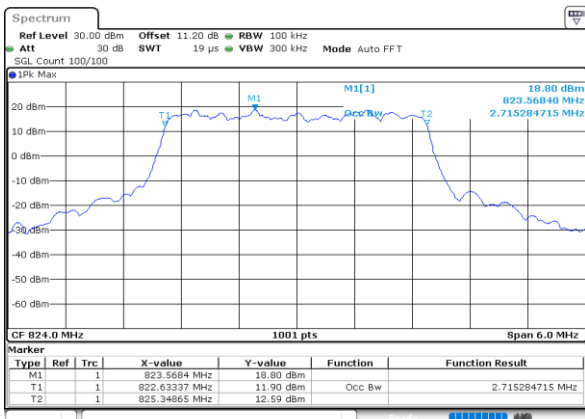
Date: 1.8EP.2022 04:41:07

Middle Channel / 1.4MHz / 16QAM



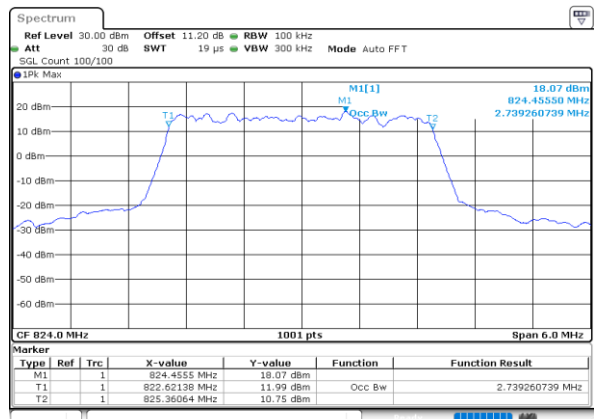
Date: 1.8EP.2022 04:43:23

Middle Channel / 3MHz / QPSK



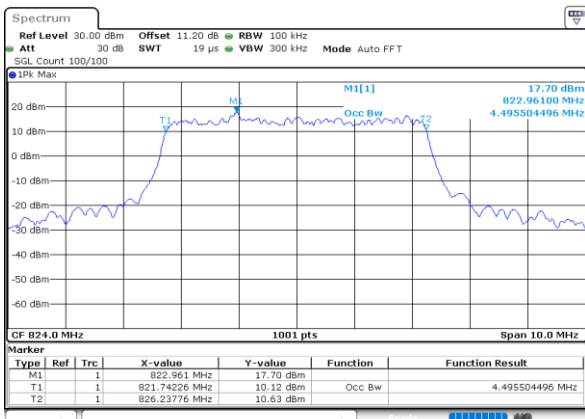
Date: 1.8EP.2022 04:44:41

Middle Channel / 3MHz / 16QAM



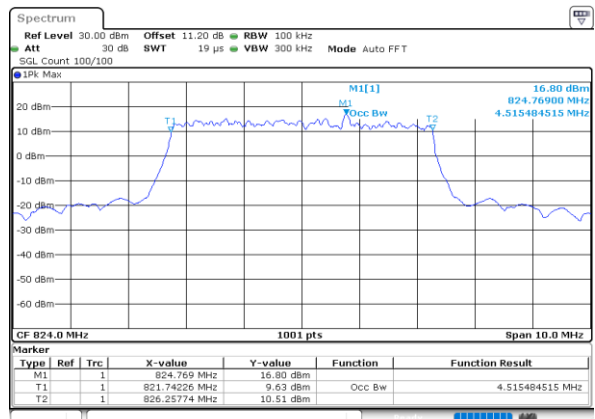
Date: 1.8EP.2022 04:45:39

Middle Channel / 5MHz / QPSK



Date: 1.8EP.2022 04:46:57

Middle Channel / 5MHz / 16QAM

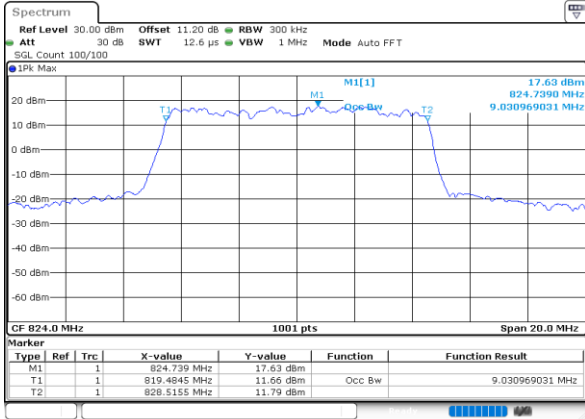


Date: 1.8EP.2022 04:47:55



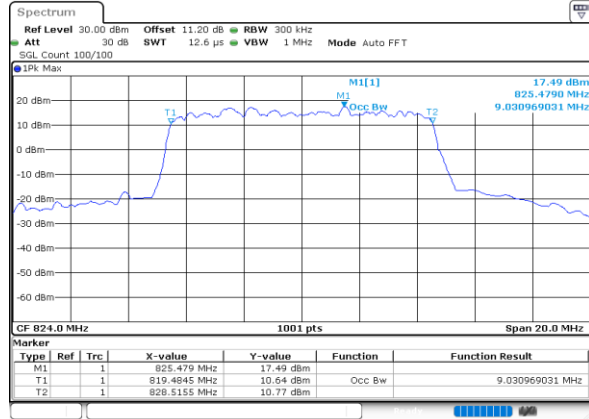
LTE Band 26

Middle Channel / 10MHz / QPSK



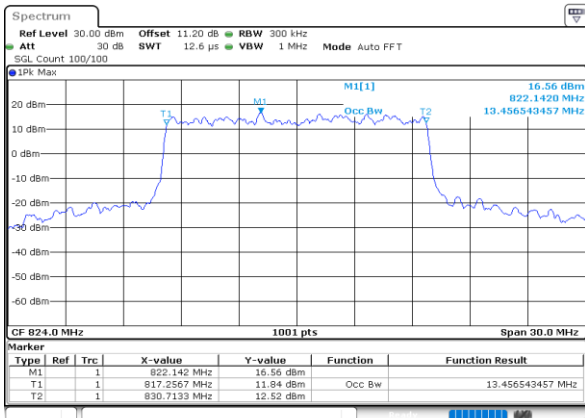
Date: 1.SEP.2022 04:49:13

Middle Channel / 10MHz / 16QAM



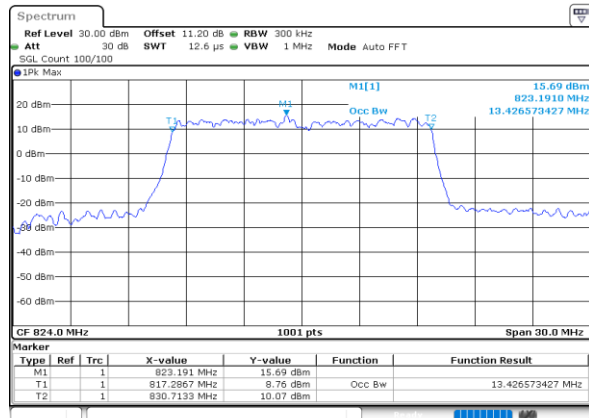
Date: 1.SEP.2022 04:50:10

Middle Channel / 15MHz / QPSK



Date: 1.SEP.2022 04:51:28

Middle Channel / 15MHz / 16QAM

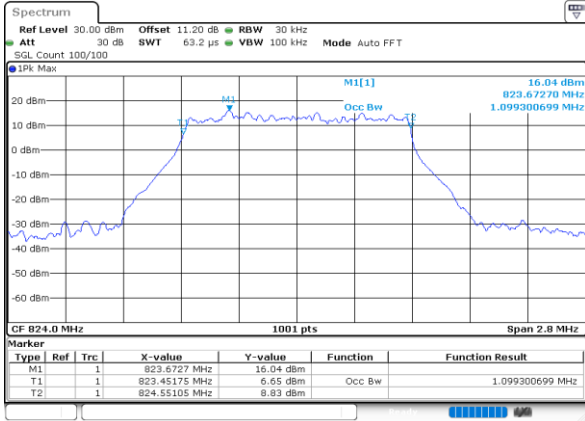


Date: 1.SEP.2022 04:52:26



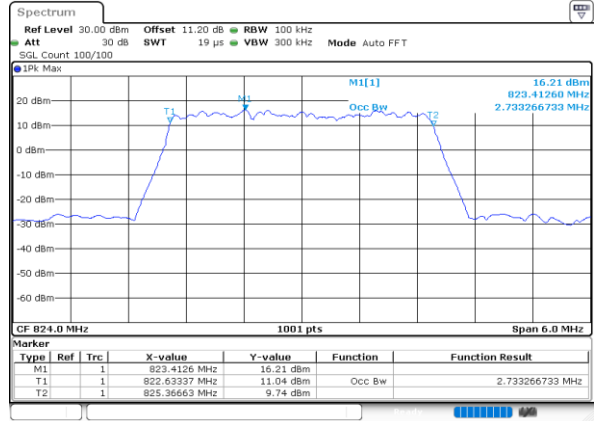
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



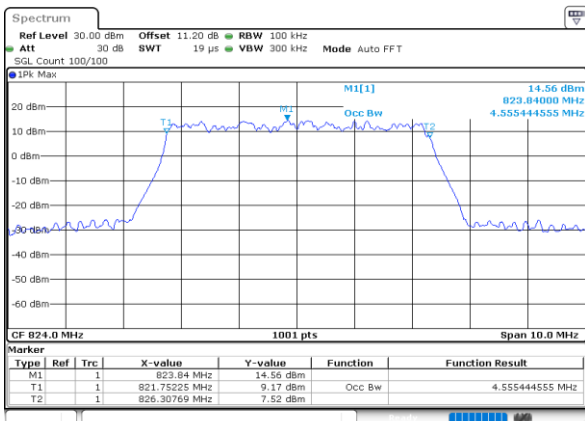
Date: 1.SEP.2022 04:43:53

Middle Channel / 3MHz / 64QAM



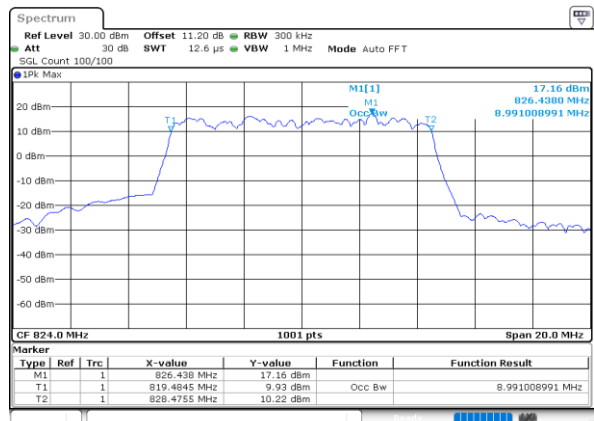
Date: 1.SEP.2022 04:46:08

Middle Channel / 5MHz / 64QAM



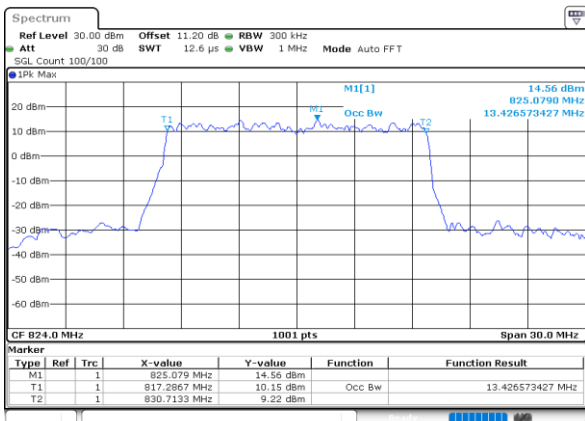
Date: 1.SEP.2022 04:48:24

Middle Channel / 10MHz / 64QAM



Date: 1.SEP.2022 04:50:40

Middle Channel / 15MHz / 64QAM



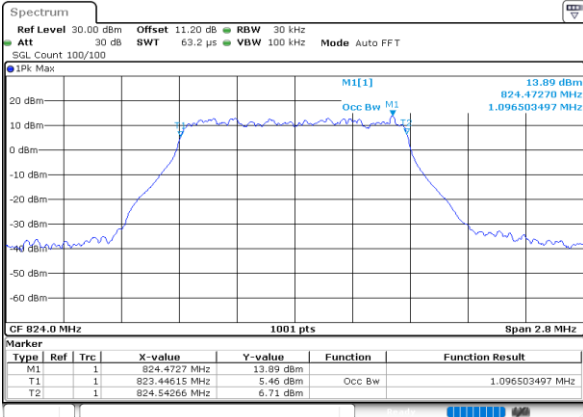
Date: 1.SEP.2022 04:52:55

N/A



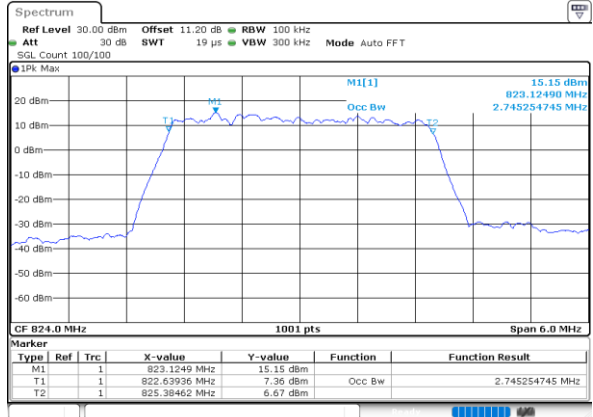
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



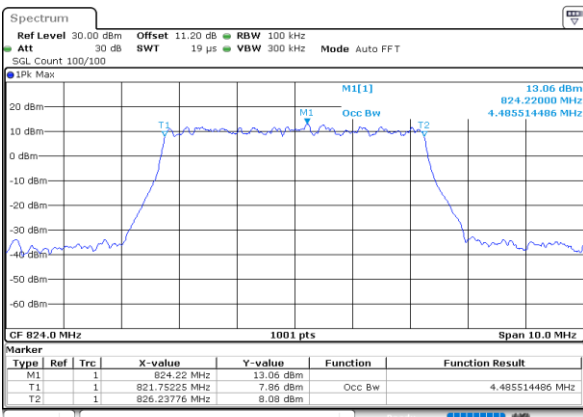
Date: 16.SEP.2022 20:53:23

Middle Channel / 3MHz / 256QAM



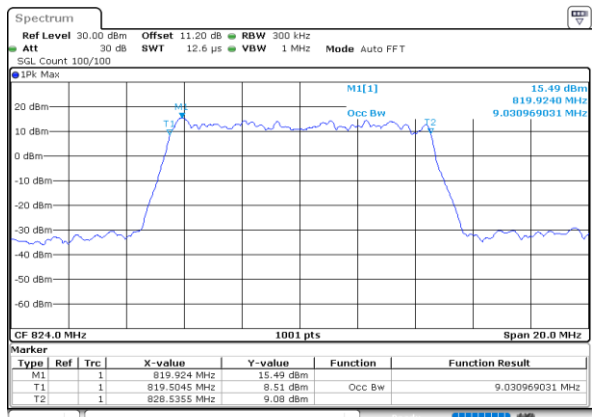
Date: 16.SEP.2022 20:54:17

Middle Channel / 5MHz / 256QAM



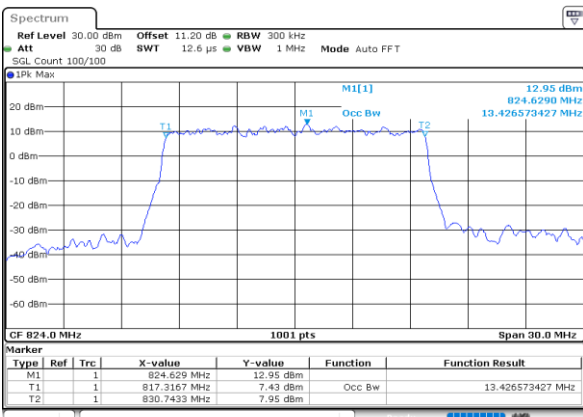
Date: 16.SEP.2022 21:14:37

Middle Channel / 10MHz / 256QAM



Date: 16.SEP.2022 21:27:23

Middle Channel /15MHz / 256QAM



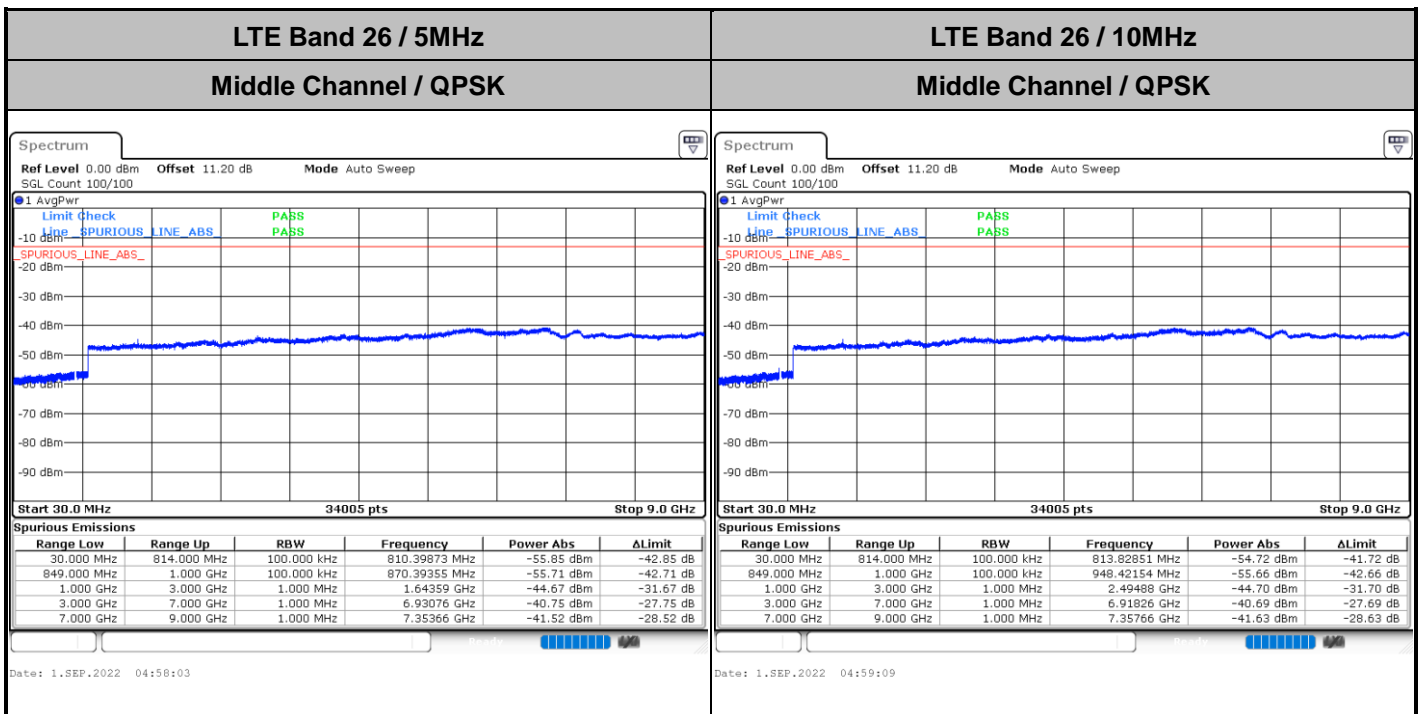
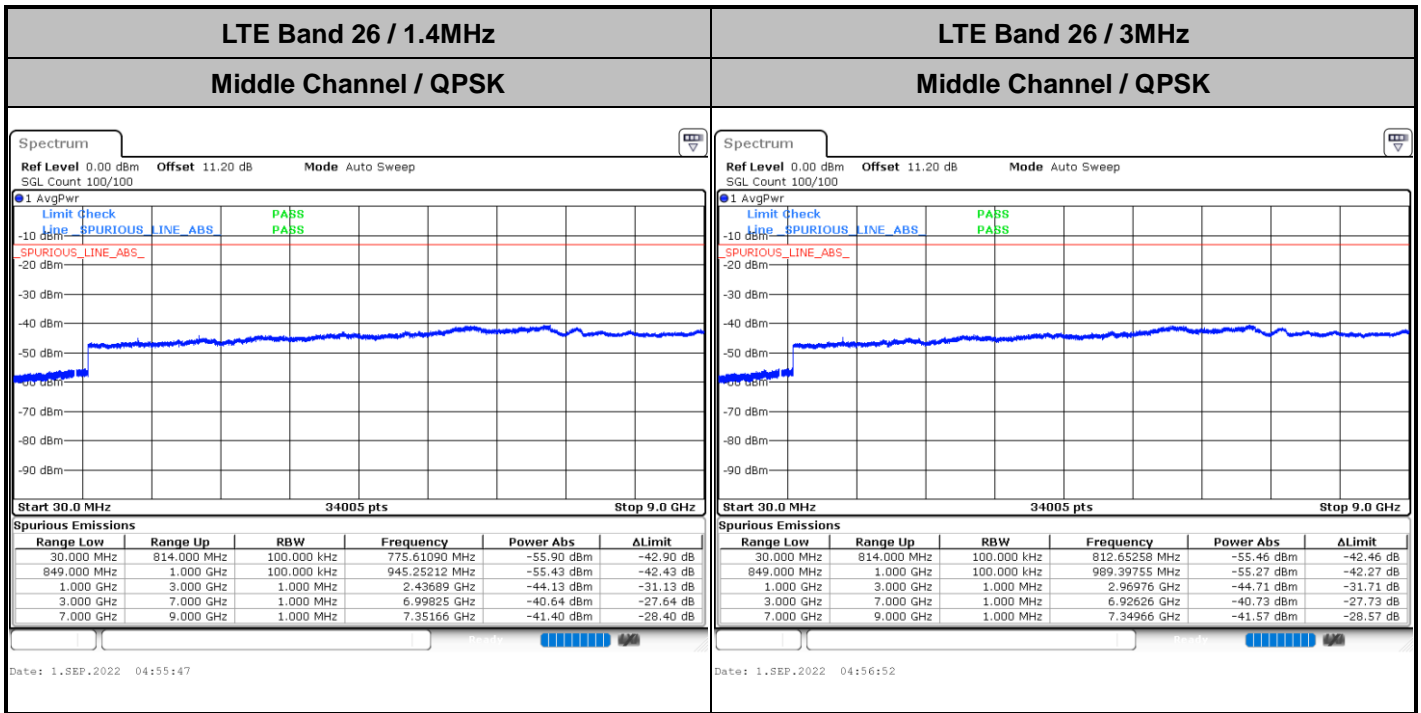
Date: 16.SEP.2022 21:28:17

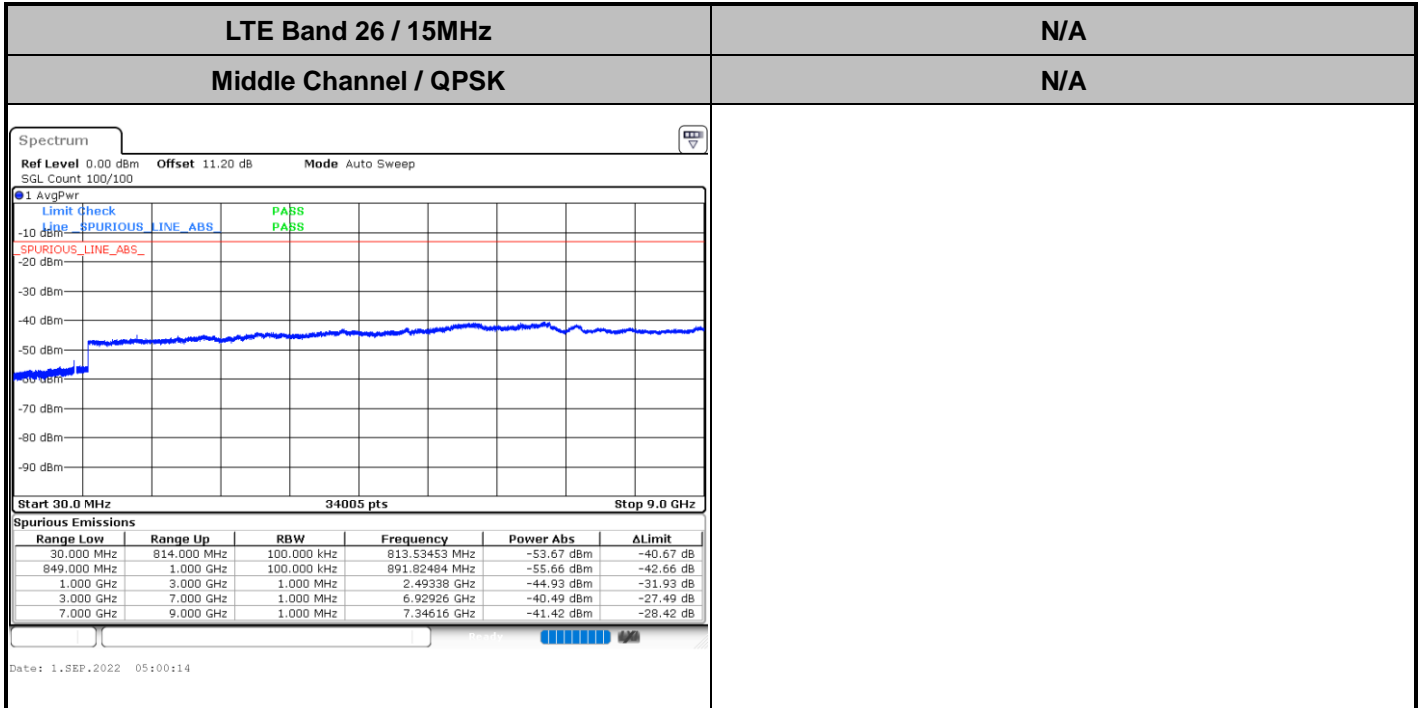
N/A





# Emission masks – Out of band emissions







## Appendix B. Test Results of Radiated Test

### LTE Band 26

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-62.21	-13	-49.21	-73.94	-64.02	0.97	4.93	H
	2440	-60.55	-13	-47.55	-77.65	-62.35	1.27	5.22	H
	3256	-58.71	-13	-45.71	-77.8	-61.96	1.53	6.93	H
									H
									H
									H
	1632	-60.63	-13	-47.63	-72.83	-62.44	0.97	4.93	V
	2440	-59.88	-13	-46.88	-77.48	-61.68	1.27	5.22	V
	3256	-58.72	-13	-45.72	-78.21	-61.97	1.53	6.93	V
									V
									V
									V
Middle	1632	-62.21	-13	-49.21	-73.96	-64.02	0.97	4.93	H
	2448	-60.66	-13	-47.66	-77.72	-62.48	1.27	5.24	H
	3264	-59.27	-13	-46.27	-78.42	-62.55	1.53	6.96	H
									H
									H
									H
									V
	1632	-59.83	-13	-46.83	-72.06	-61.64	0.97	4.93	V
	2448	-59.79	-13	-46.79	-77.36	-61.61	1.27	5.24	V
	3264	-58.83	-13	-45.83	-78.39	-62.11	1.53	6.96	V
									V
									V
								V	



LTE Band 26 / 5MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	1640	-61.75	-13	-48.75	-73.62	-63.53	0.97	4.91	H
	2456	-60.32	-13	-47.32	-77.58	-62.16	1.28	5.27	H
	3272	-59.43	-13	-46.43	-78.68	-62.74	1.53	7.00	H
									H
									H
									H
									H
	1640	-59.85	-13	-46.85	-72.17	-61.63	0.97	4.91	V
	2456	-59.41	-13	-46.41	-77.05	-61.25	1.28	5.27	V
	3272	-58.82	-13	-45.82	-78.34	-62.13	1.53	7.00	V
									V
									V
									V
									V

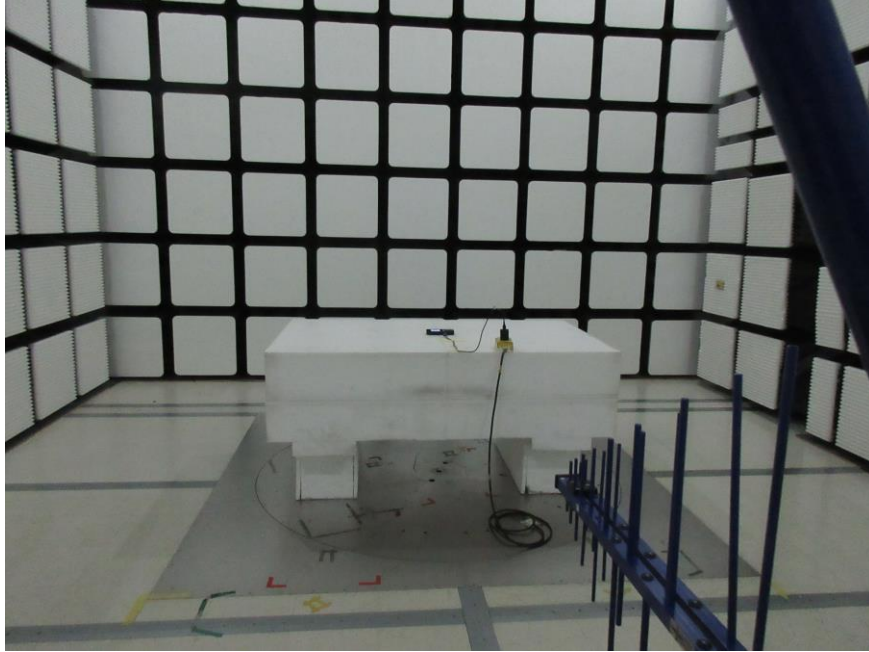
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

## Appendix C. Setup Photographs

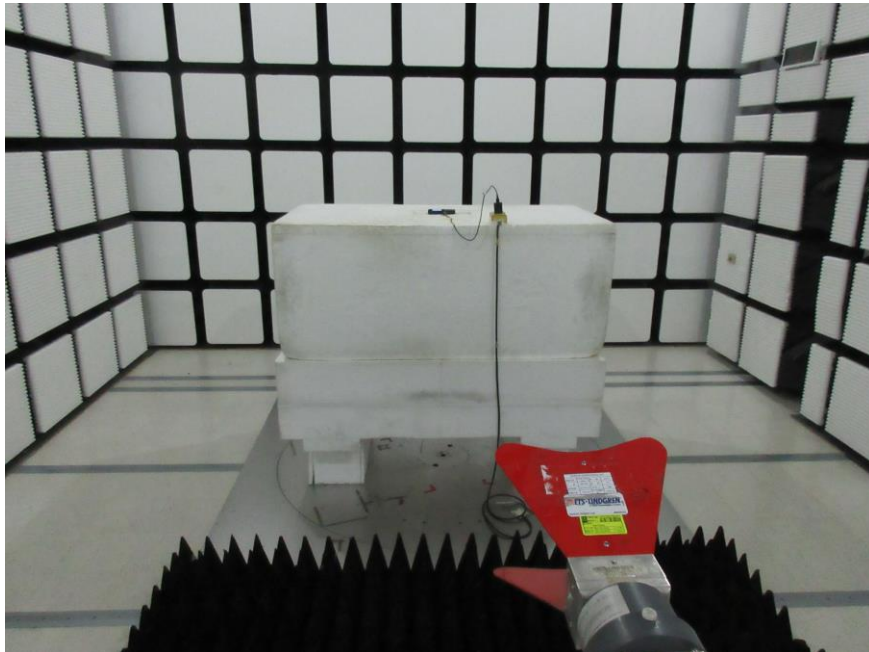
<Radiated Emission>

X Plane

LF



HF



—————THE END—————