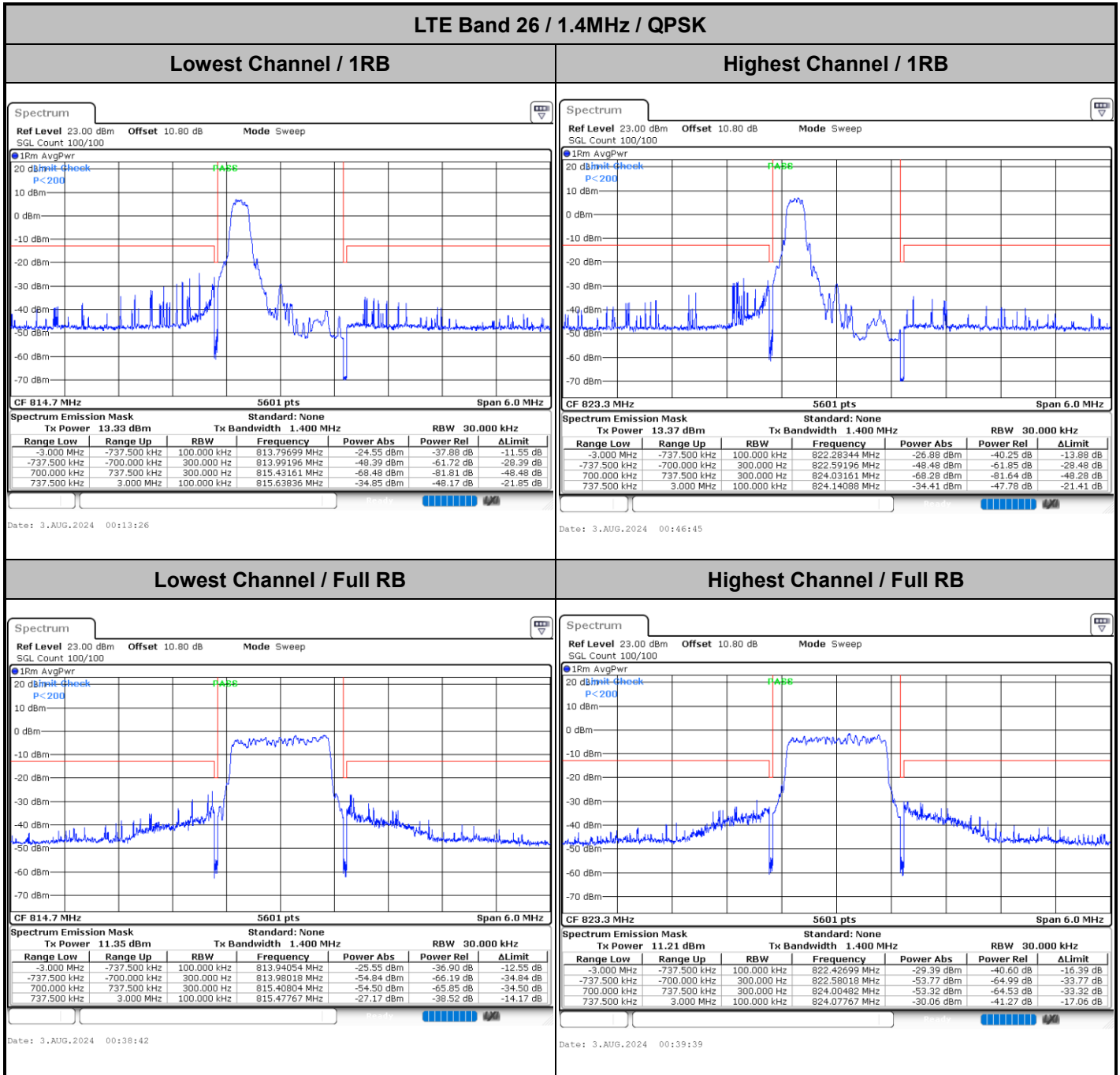




Emission masks – In-band emissions

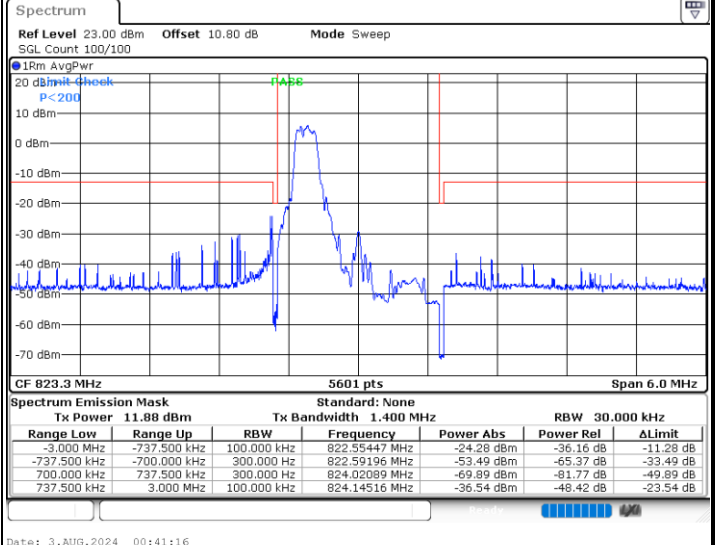
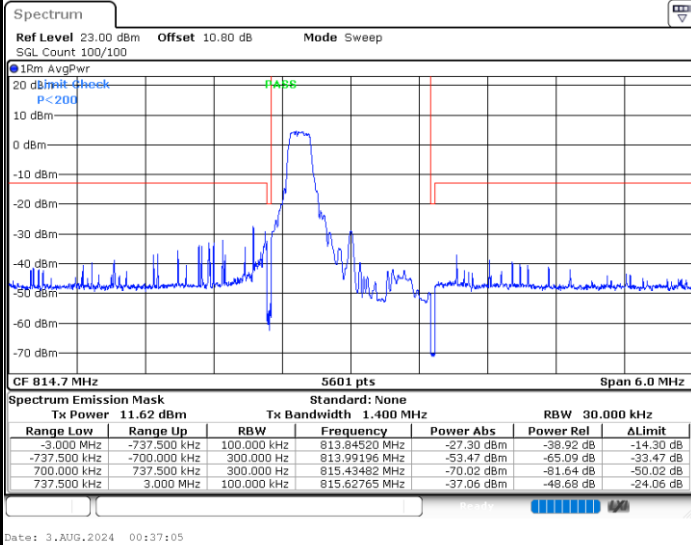




LTE Band 26 / 1.4MHz / 16QAM

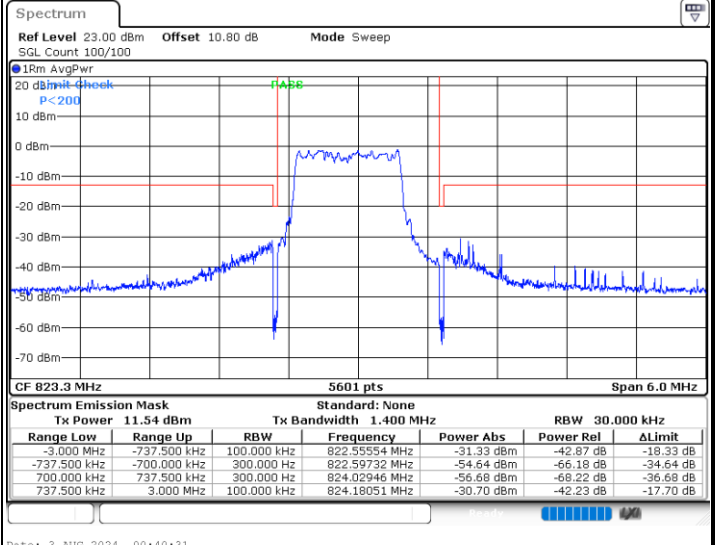
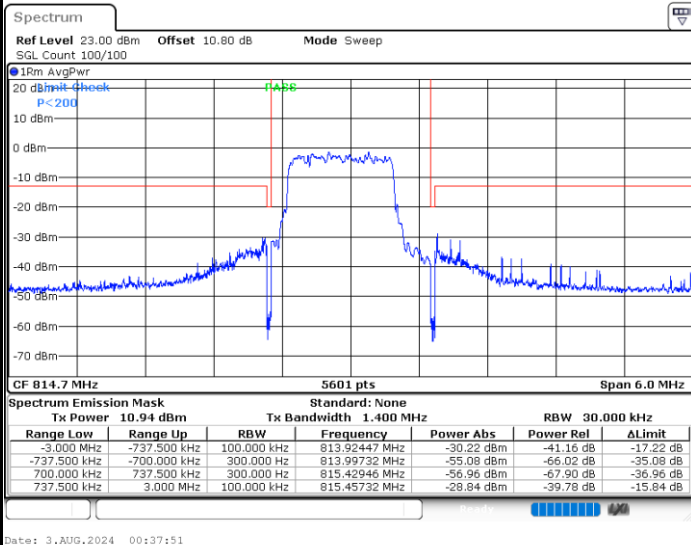
Lowest Channel / 1 RB

Highest Channel / 1 RB



Lowest Channel / Full RB

Highest Channel / Full RB

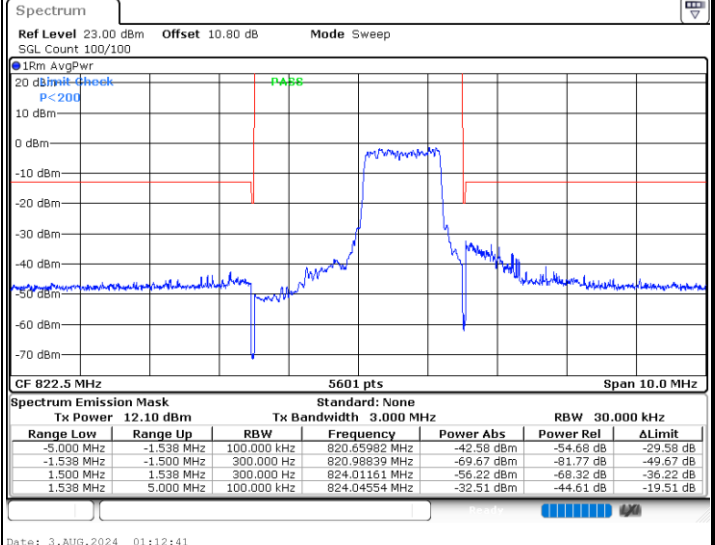
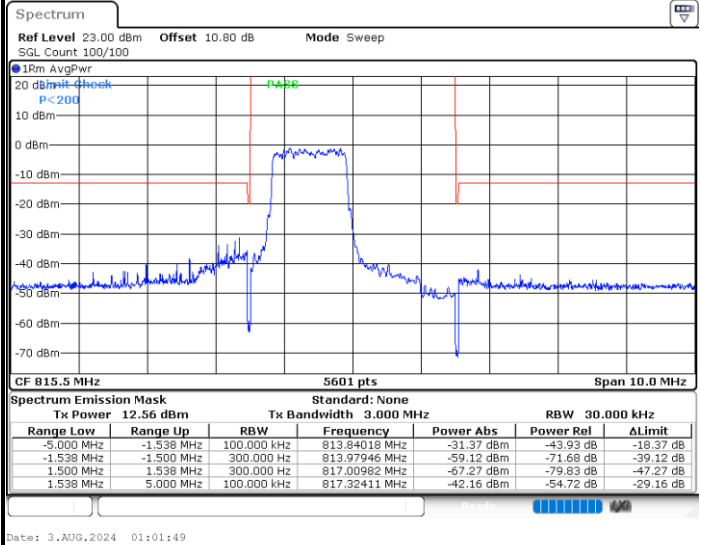




LTE Band 26 / 3MHz / QPSK

Lowest Channel / Full RB

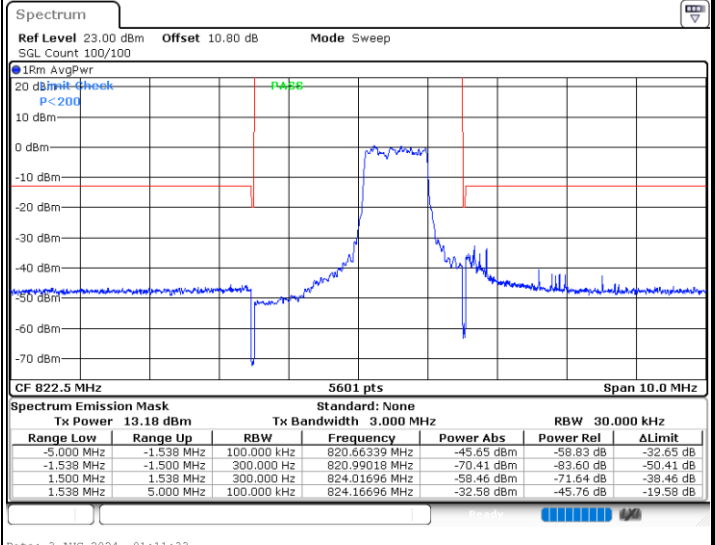
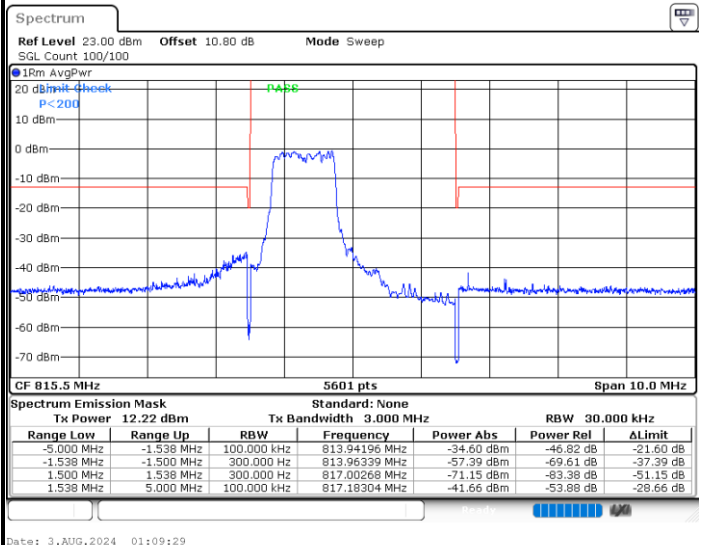
Highest Channel / Full RB



LTE Band 26 / 3MHz / 16QAM

Lowest Channel / Full RB

Highest Channel / Full RB

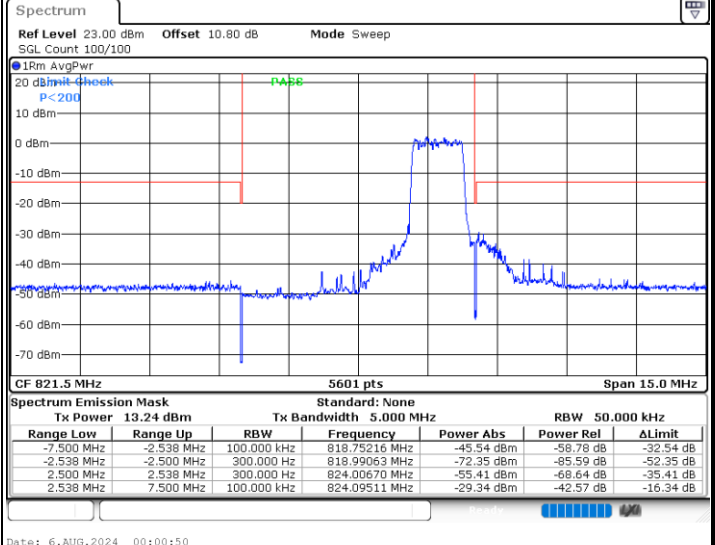
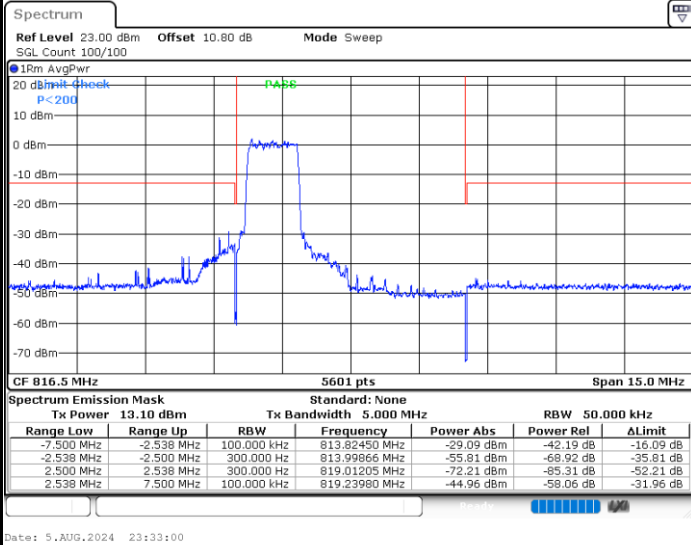




LTE Band 26 / 5MHz / QPSK

Lowest Channel / Full RB

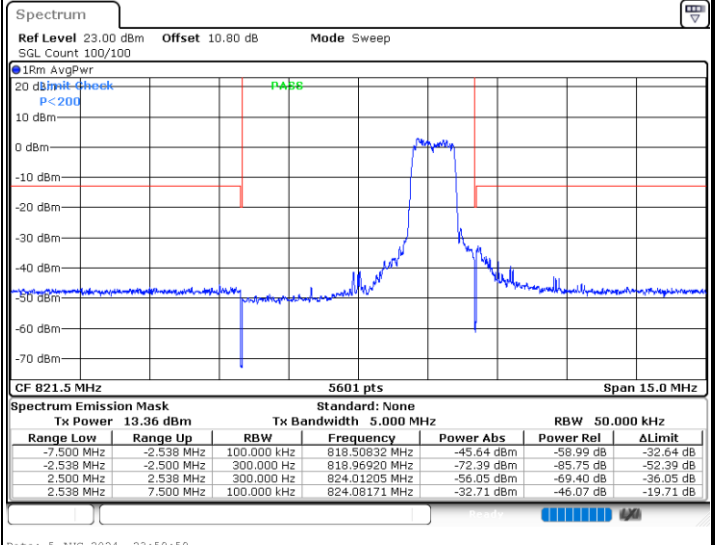
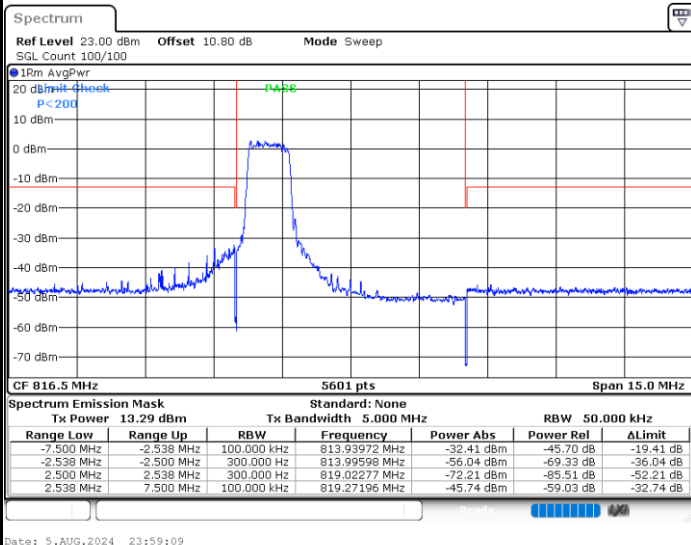
Highest Channel / Full RB

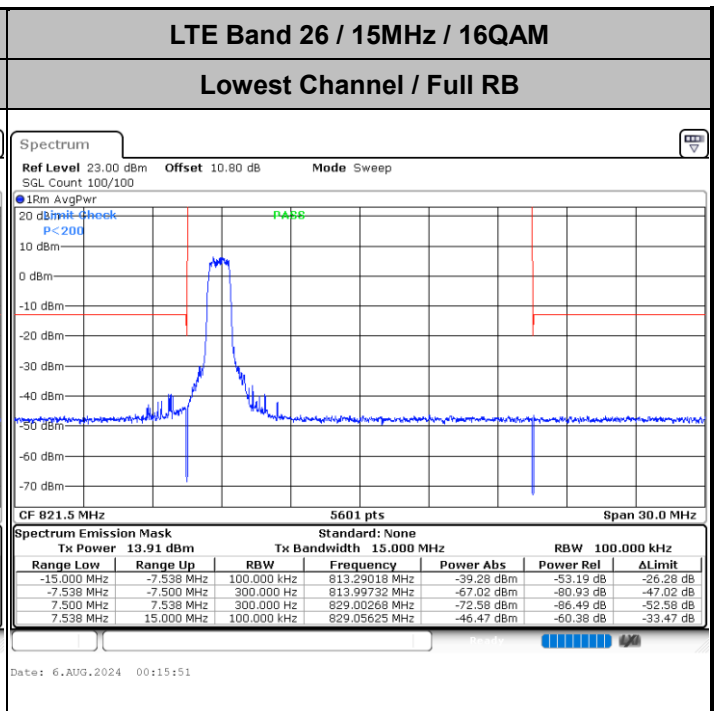
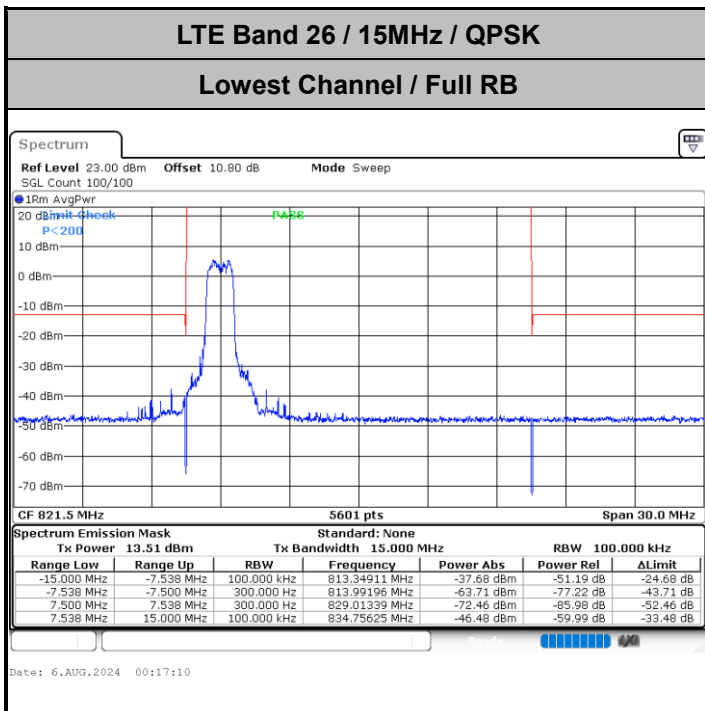
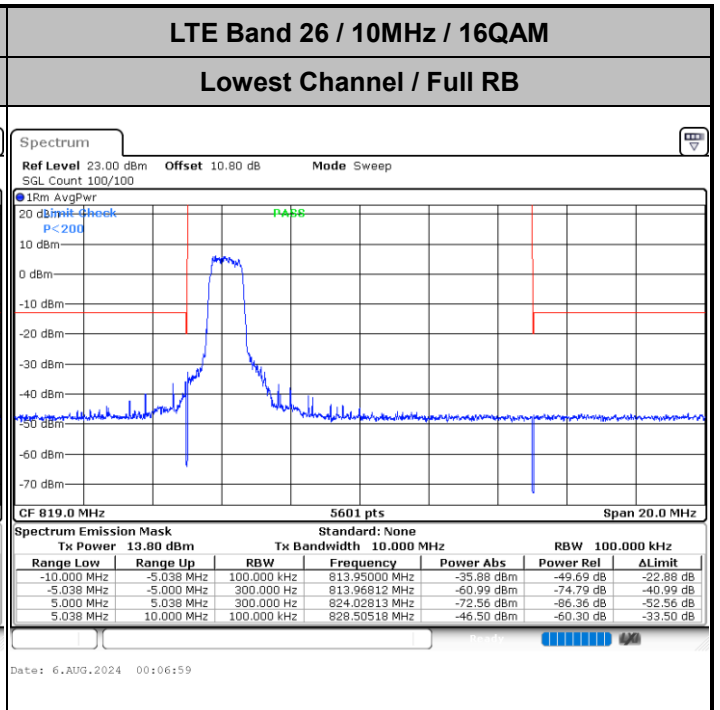
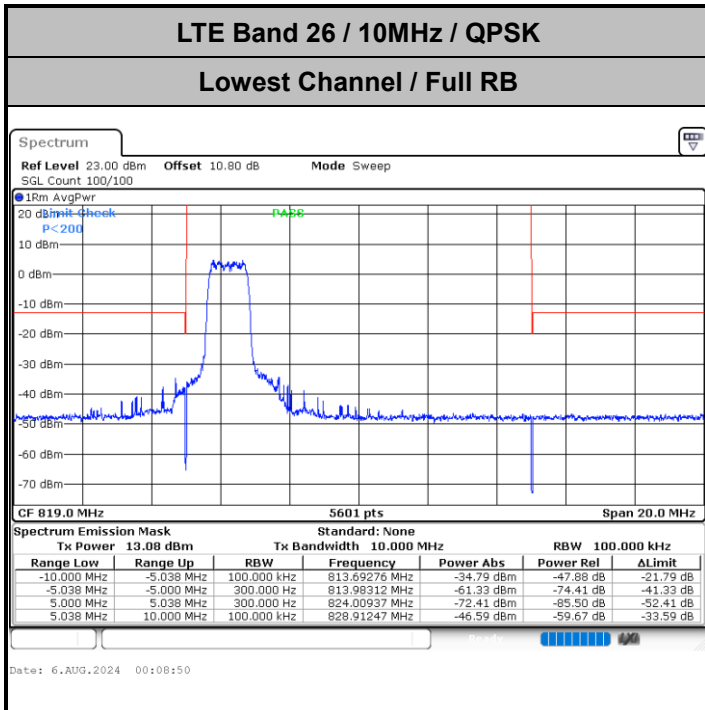


LTE Band 26 / 5MHz / 16QAM

Lowest Channel / Full RB

Highest Channel / Full RB







Emission masks – Out of band emissions

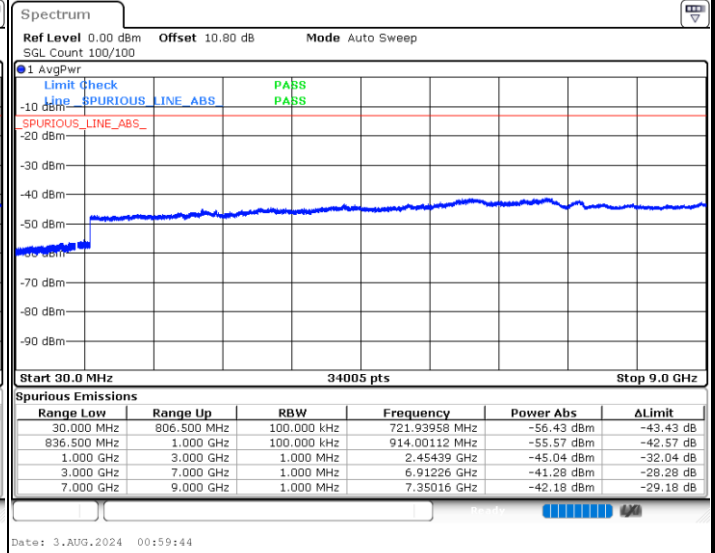
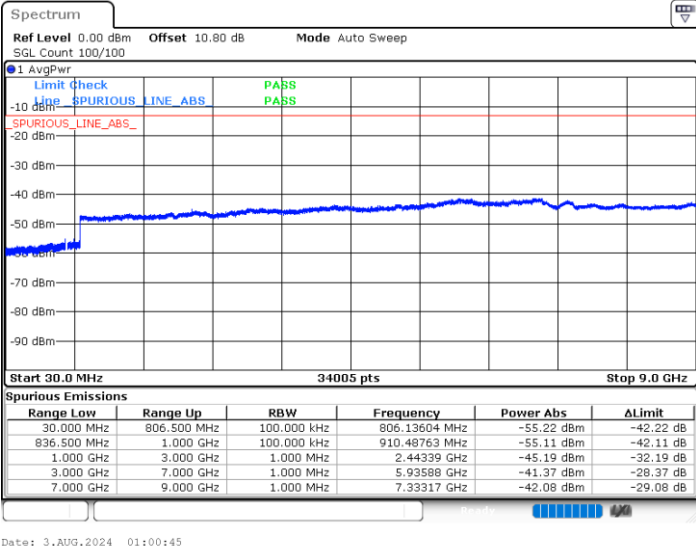




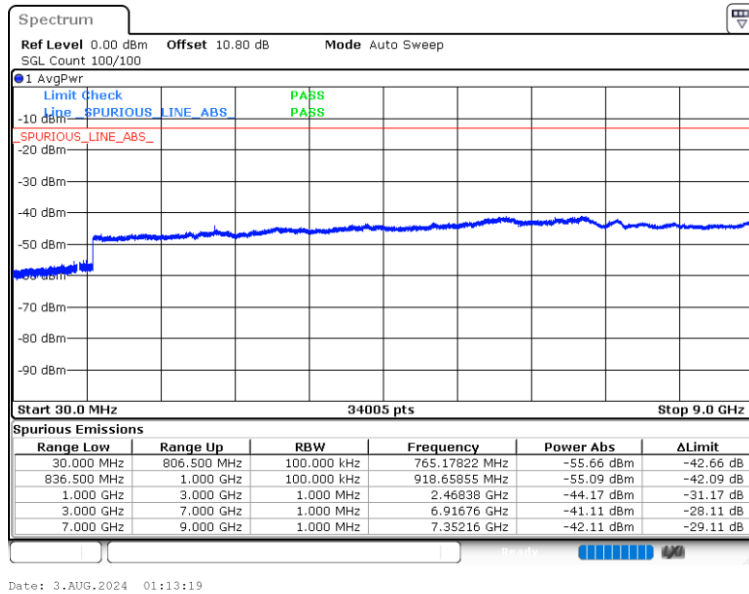
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

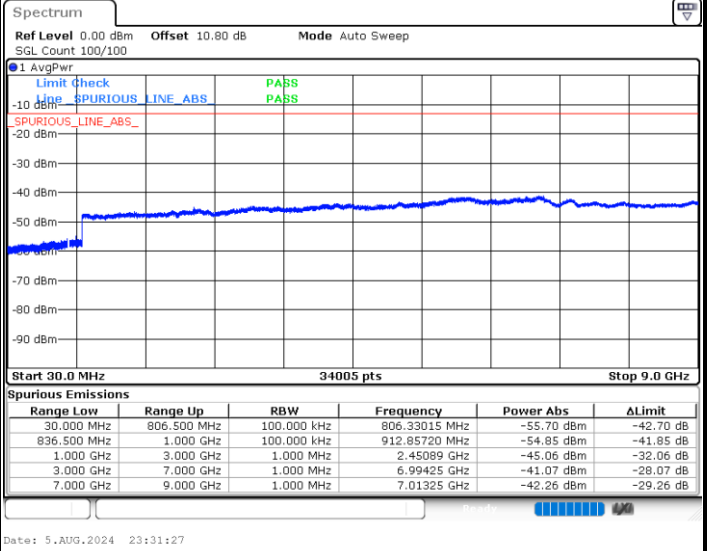
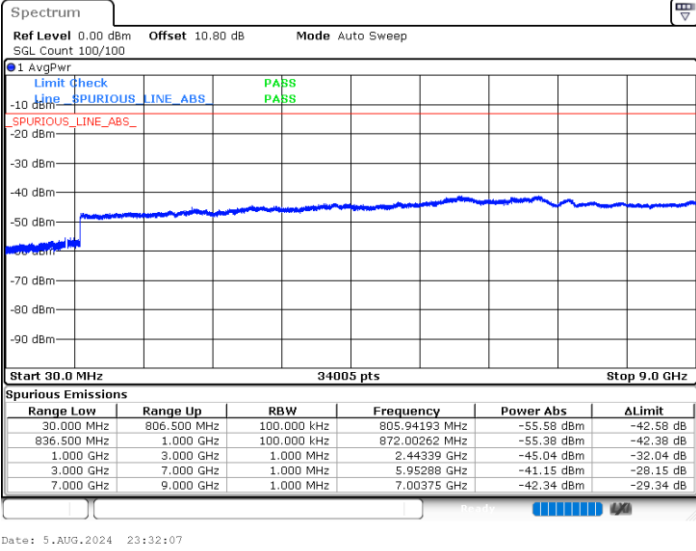




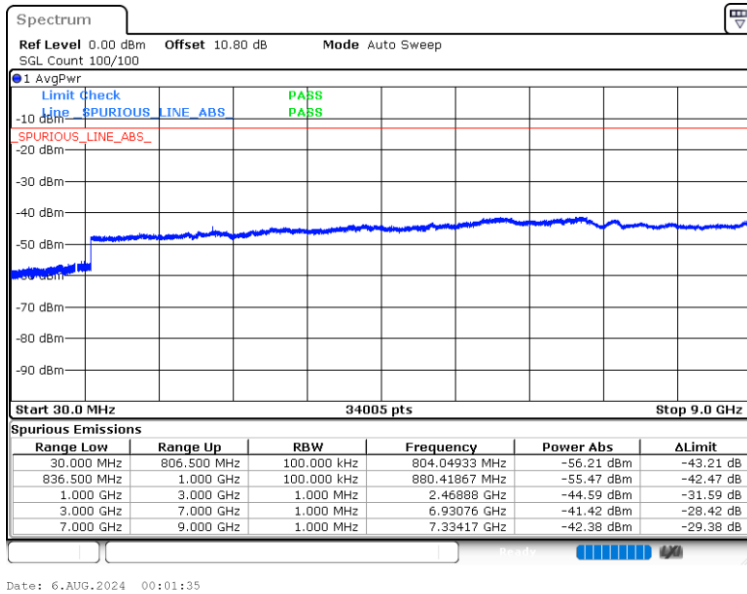
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



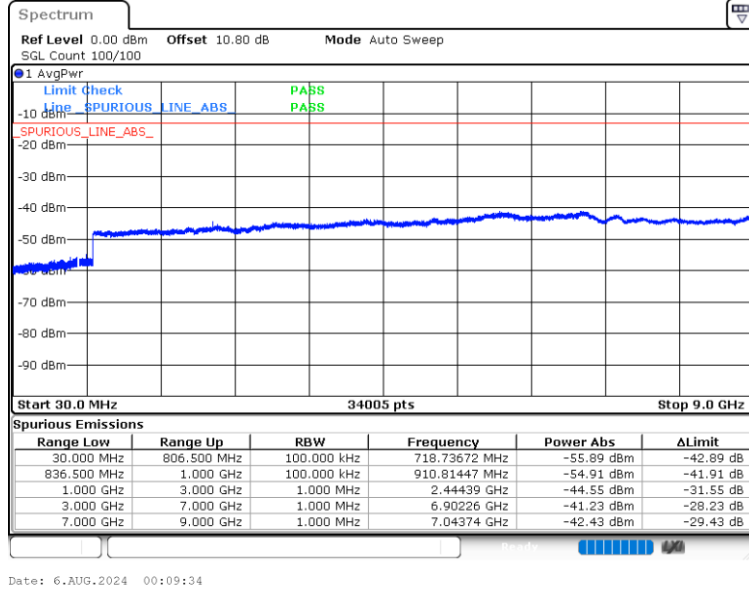
Highest Channel / QPSK





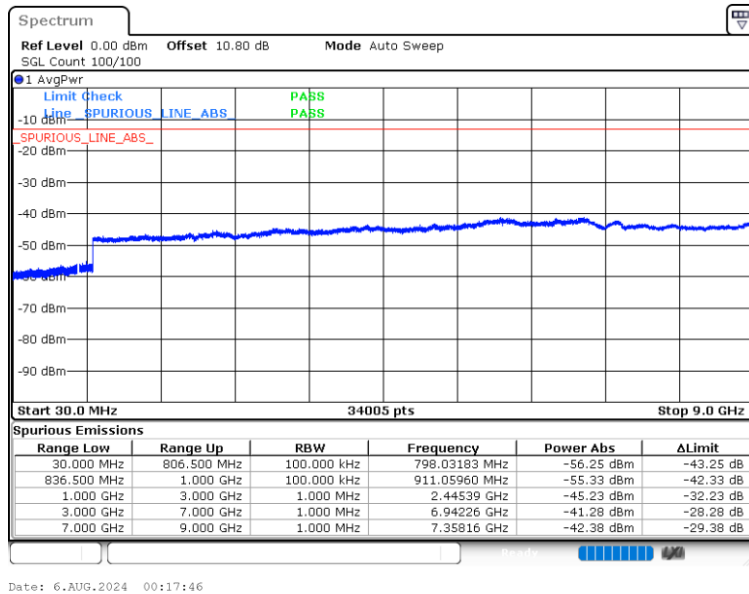
LTE Band 26 / 10MHz

Middle Channel / QPSK



LTE Band 26 / 15MHz

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	0.0027	PASS
40	Normal Voltage	0.0078	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0054	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0040	

Note:

- 1. Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 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	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0101	
0	Normal Voltage	0.0033	
-10	Normal Voltage	0.0052	
-20	Normal Voltage	0.0100	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0101	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0016	

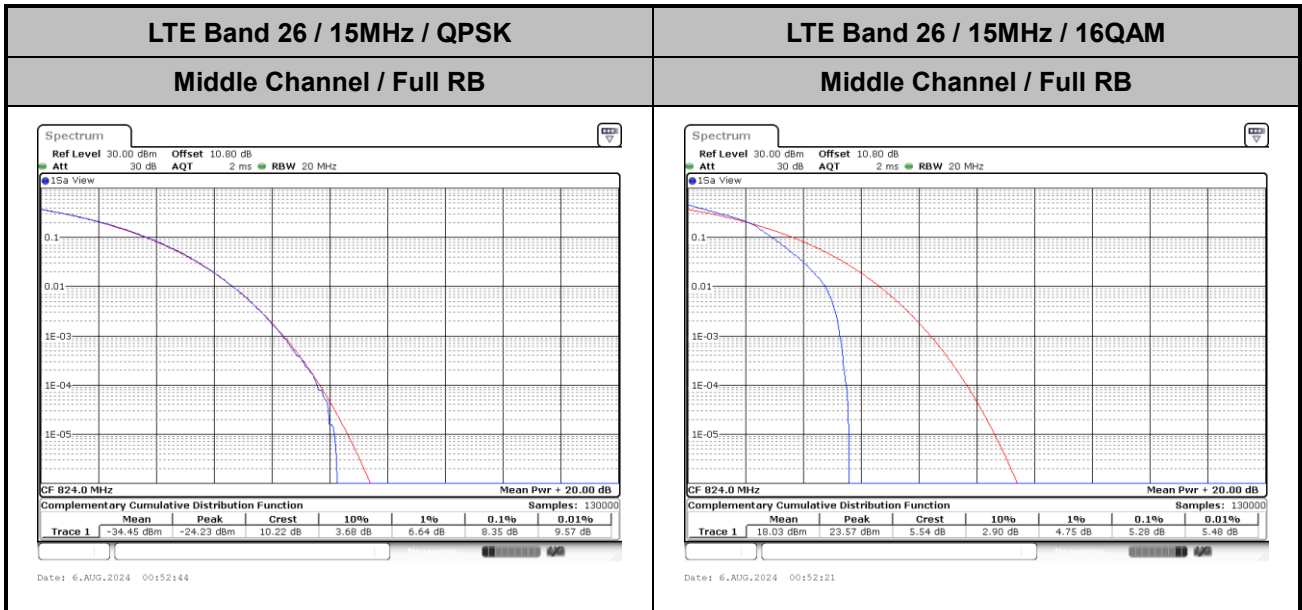
Note: Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.



LTE Band 26 (Part 90S_824MHz)

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	8.35	5.28	PASS





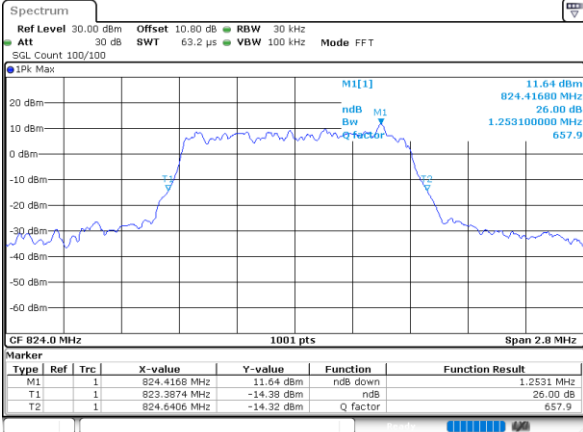
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.25	1.05	1.30	1.18	1.33	1.16	1.75	1.57	1.79	1.61	-	-



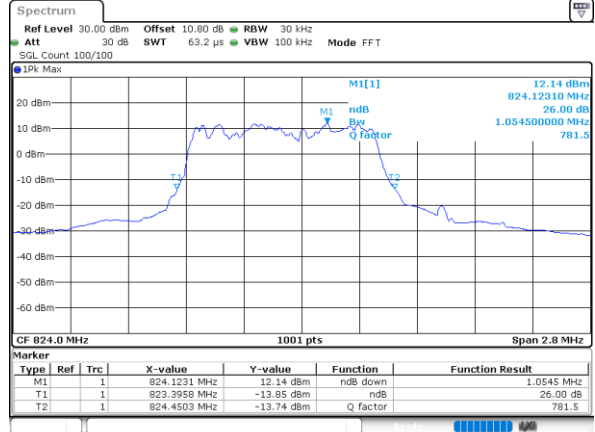
LTE Band 26

Middle Channel / 1.4MHz / QPSK



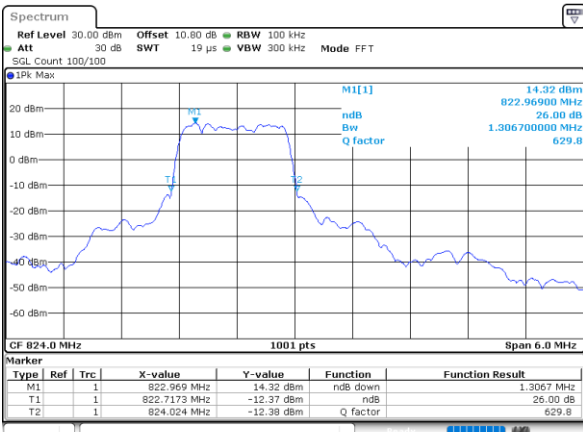
Date: 6.AUG.2024 00:25:06

Middle Channel / 1.4MHz / 16QAM



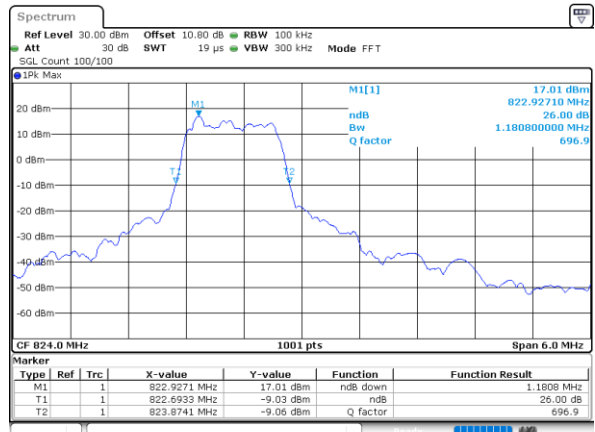
Date: 6.AUG.2024 00:24:35

Middle Channel / 3MHz / QPSK



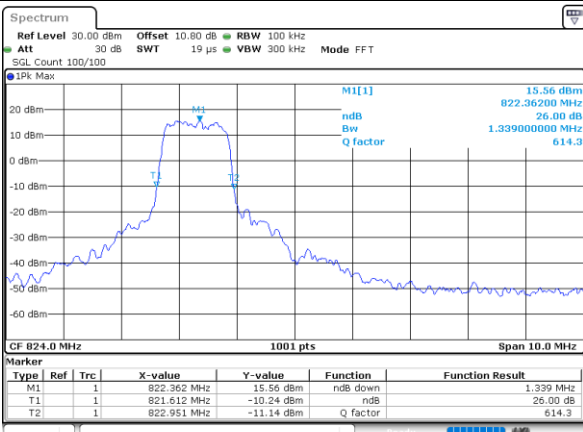
Date: 6.AUG.2024 00:26:20

Middle Channel / 3MHz / 16QAM



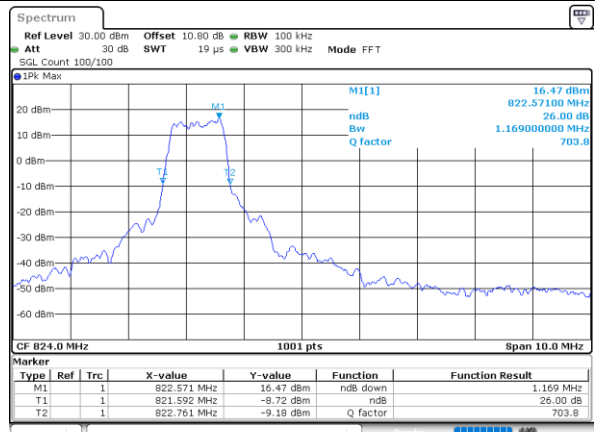
Date: 6.AUG.2024 00:28:33

Middle Channel / 5MHz / QPSK



Date: 6.AUG.2024 00:35:13

Middle Channel / 5MHz / 16QAM

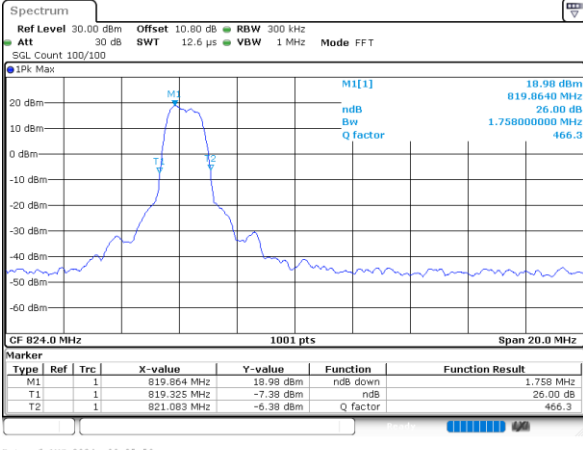


Date: 6.AUG.2024 00:33:13

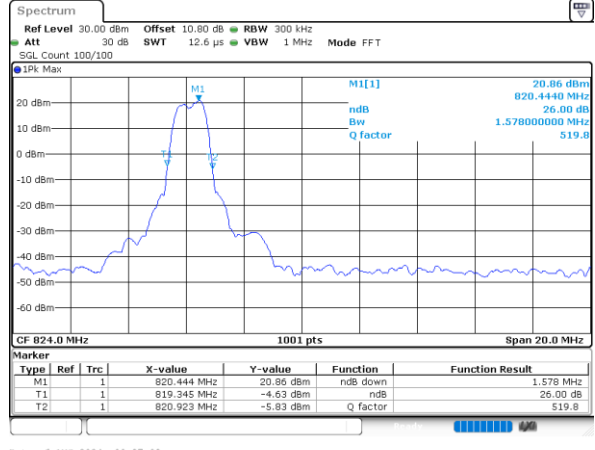


LTE Band 26

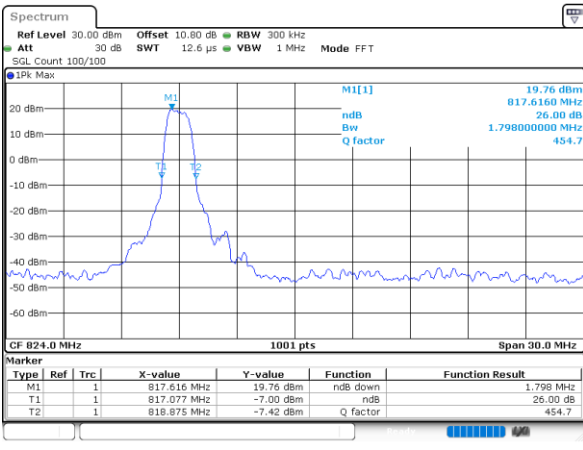
Middle Channel / 10MHz / QPSK



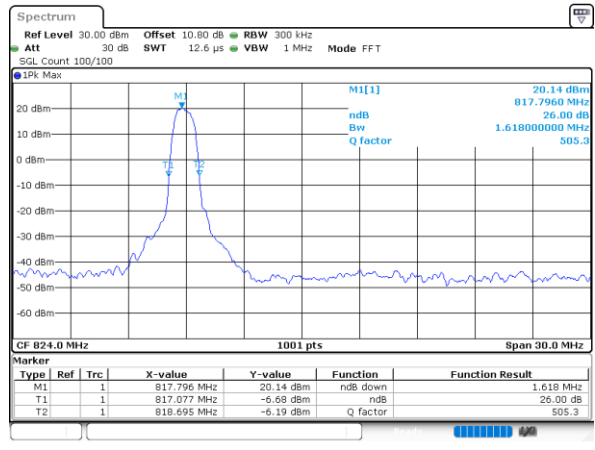
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM





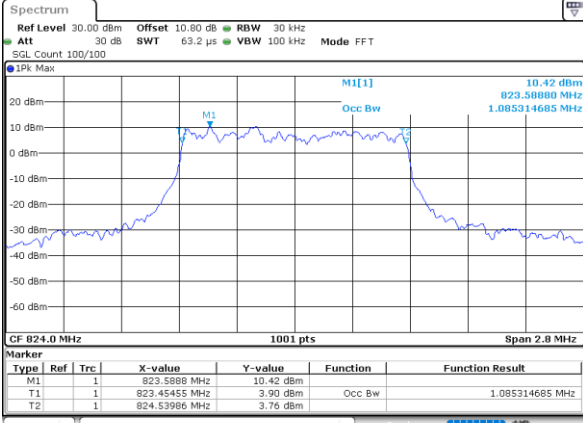
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	0.89	1.15	1.01	1.16	0.99	1.43	1.23	1.43	1.22	-	-



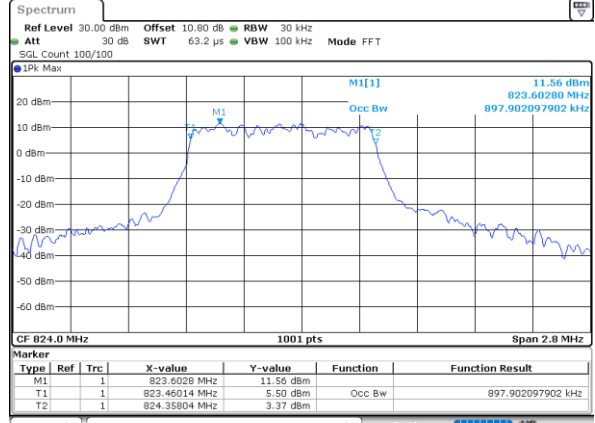
LTE Band 26

Middle Channel / 1.4MHz / QPSK



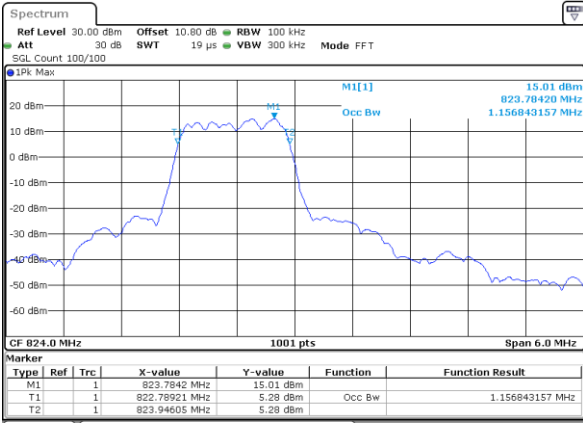
Date: 6.AUG.2024 00:24:59

Middle Channel / 1.4MHz / 16QAM



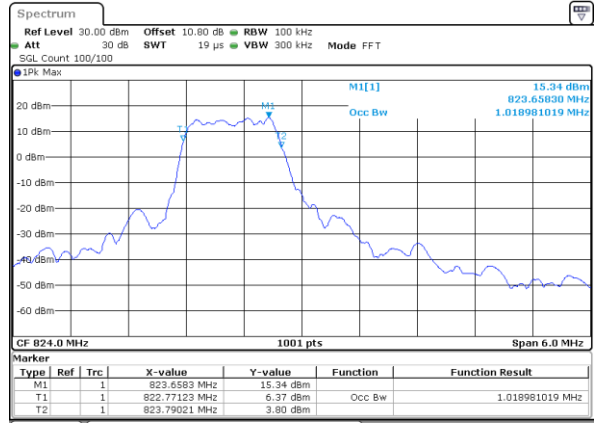
Date: 6.AUG.2024 00:24:23

Middle Channel / 3MHz / QPSK



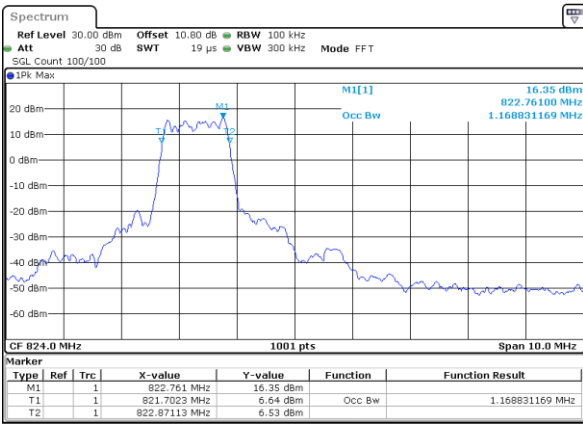
Date: 6.AUG.2024 00:26:12

Middle Channel / 3MHz / 16QAM



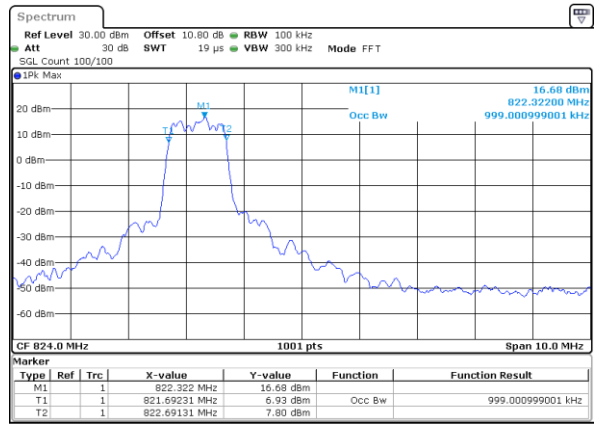
Date: 6.AUG.2024 00:28:25

Middle Channel / 5MHz / QPSK



Date: 6.AUG.2024 00:34:13

Middle Channel / 5MHz / 16QAM

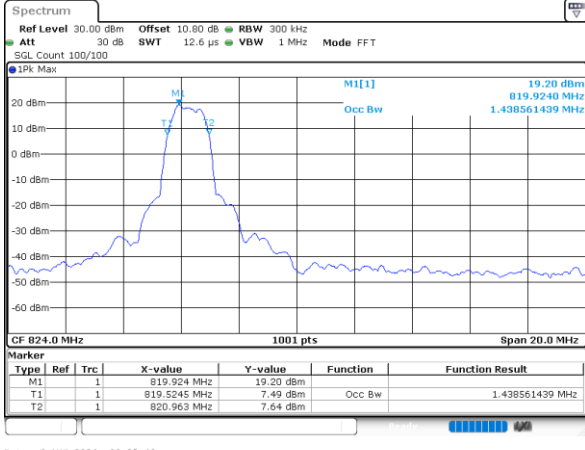


Date: 6.AUG.2024 00:33:06



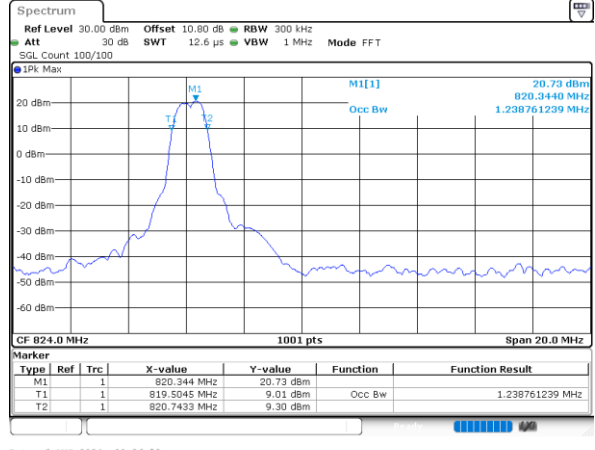
LTE Band 26

Middle Channel / 10MHz / QPSK



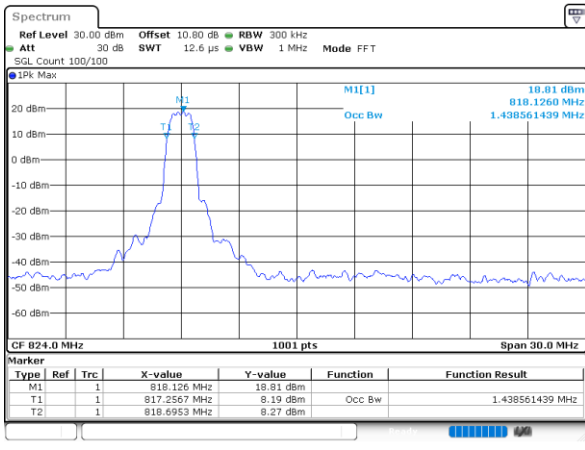
Date: 6.AUG.2024 00:35:43

Middle Channel / 10MHz / 16QAM



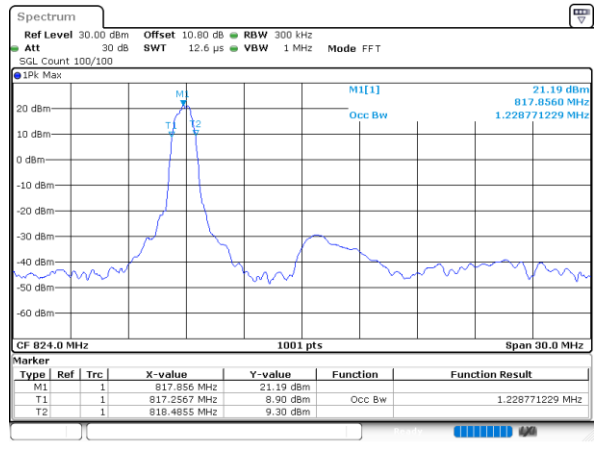
Date: 6.AUG.2024 00:36:53

Middle Channel / 15MHz / QPSK



Date: 6.AUG.2024 00:52:51

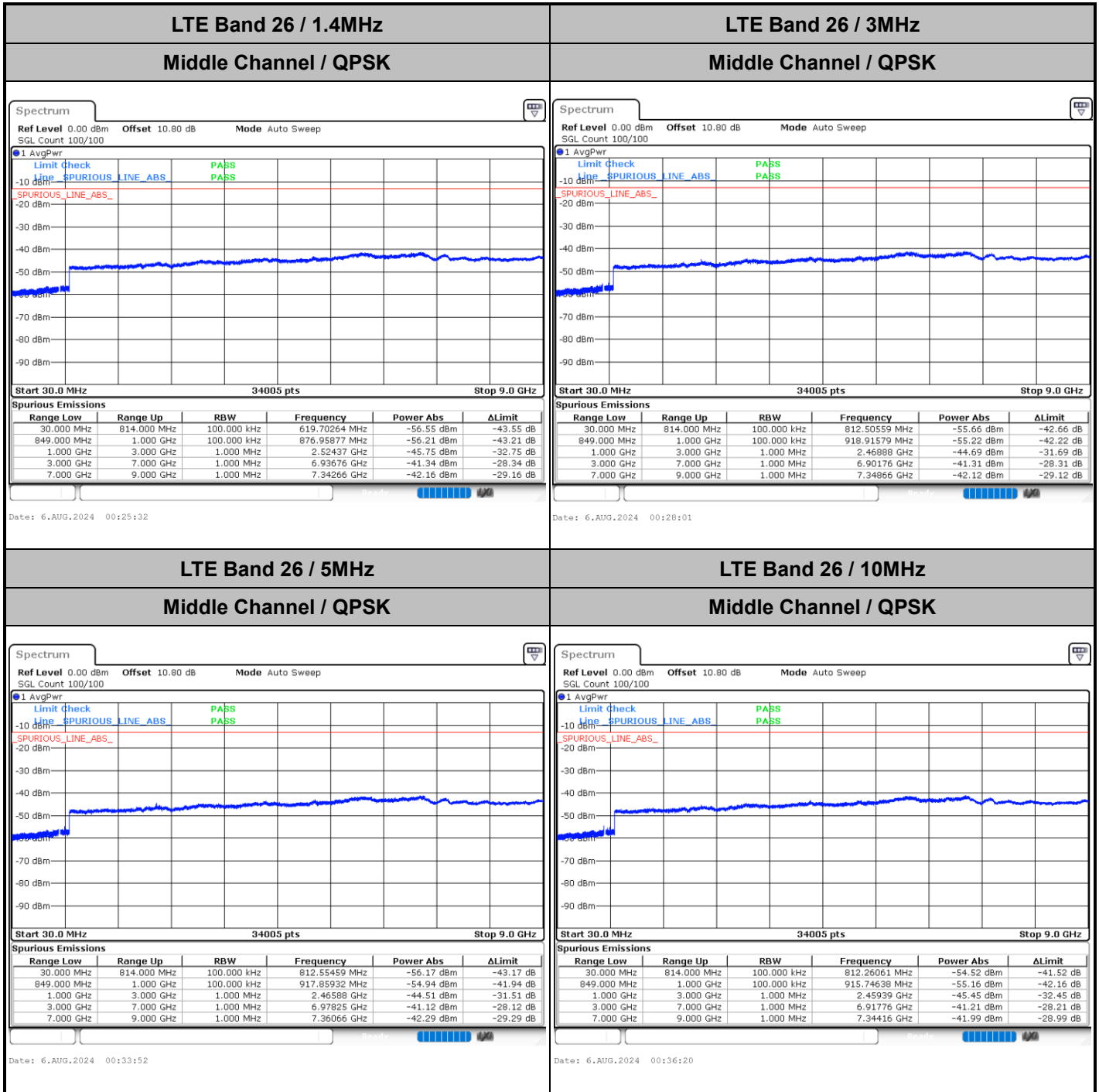
Middle Channel / 15MHz / 16QAM

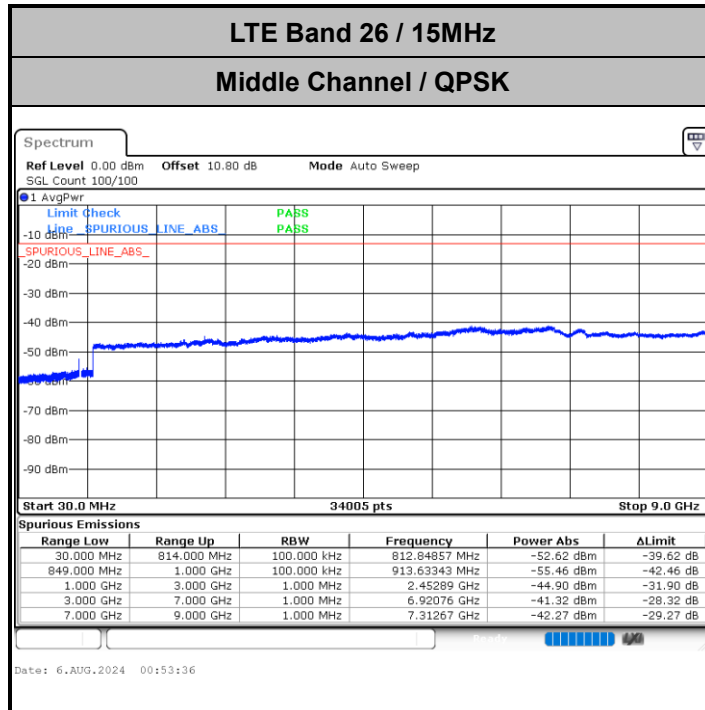


Date: 6.AUG.2024 00:37:46



Emission masks – In-band emissions







Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0078	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0054	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0040	

Note: Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.



LTE Band 12

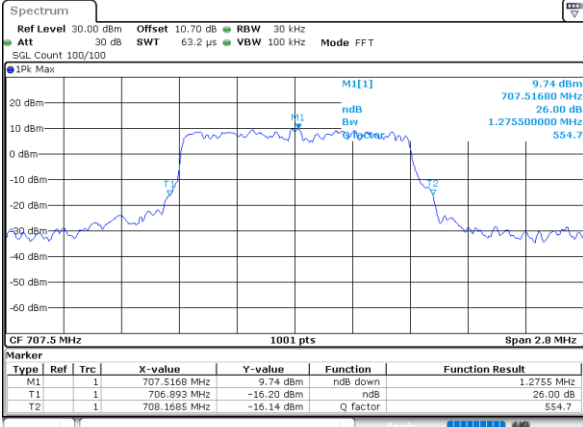
26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.12	1.37	1.14	1.33	1.13	1.77	1.65	-	-	-	-



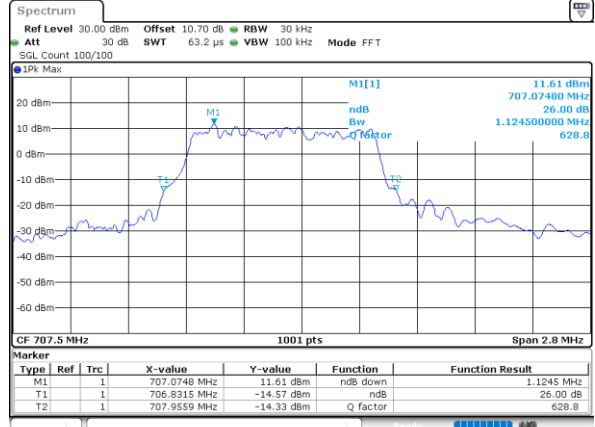
LTE Band 12

Middle Channel / 1.4MHz / QPSK



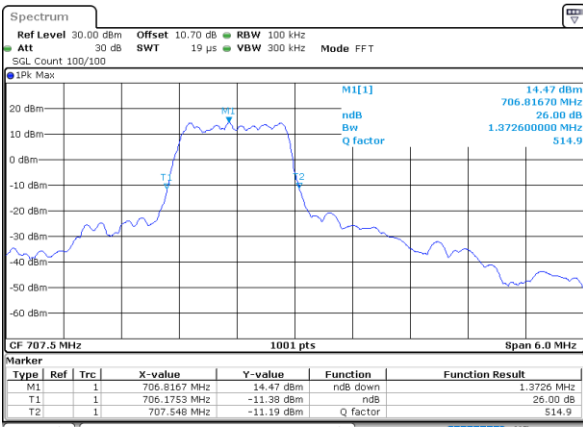
Date: 1.AUG.2024 21:31:43

Middle Channel / 1.4MHz / 16QAM



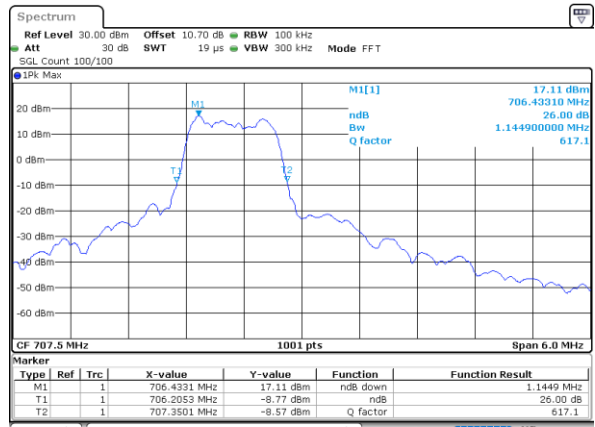
Date: 1.AUG.2024 21:30:21

Middle Channel / 3MHz / QPSK



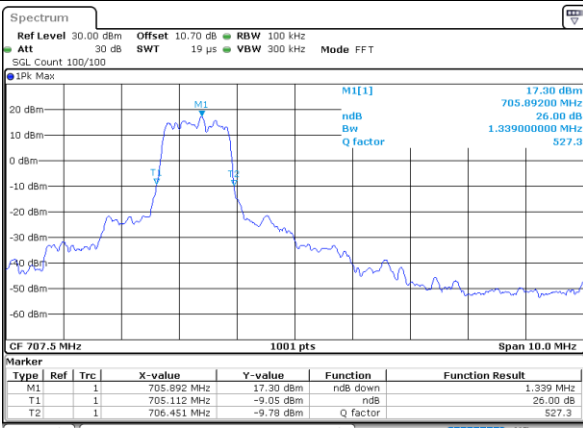
Date: 1.AUG.2024 23:11:32

Middle Channel / 3MHz / 16QAM



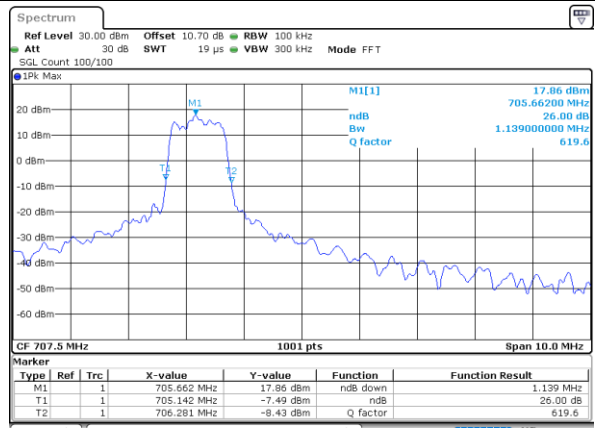
Date: 1.AUG.2024 23:10:56

Middle Channel / 5MHz / QPSK



Date: 1.AUG.2024 23:41:13

Middle Channel / 5MHz / 16QAM



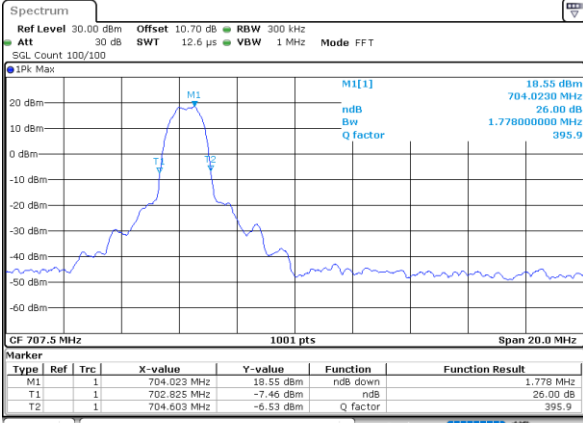
Date: 1.AUG.2024 23:40:41



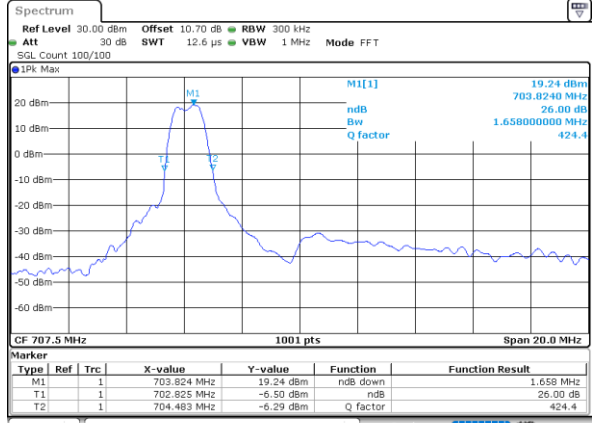
LTE Band 12

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM



Date: 2.AUG.2024 00:13:08



Date: 2.AUG.2024 00:13:08



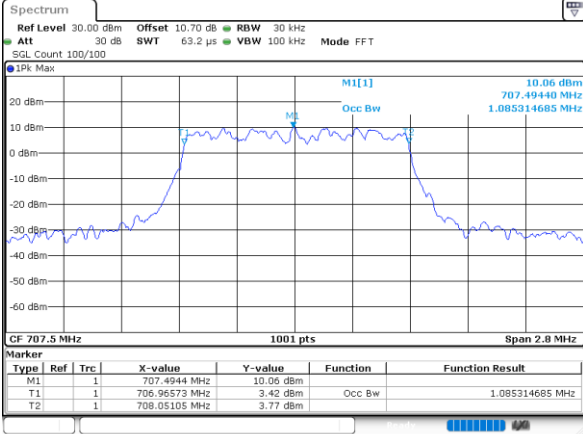
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	0.91	1.16	0.99	1.13	0.98	1.39	1.27	-	-	-	-



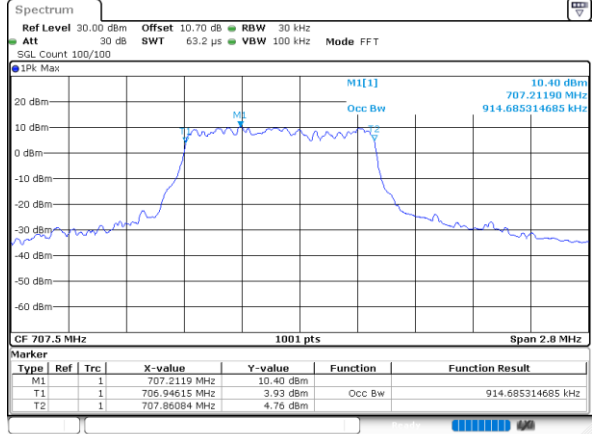
LTE Band 12

Middle Channel / 1.4MHz / QPSK



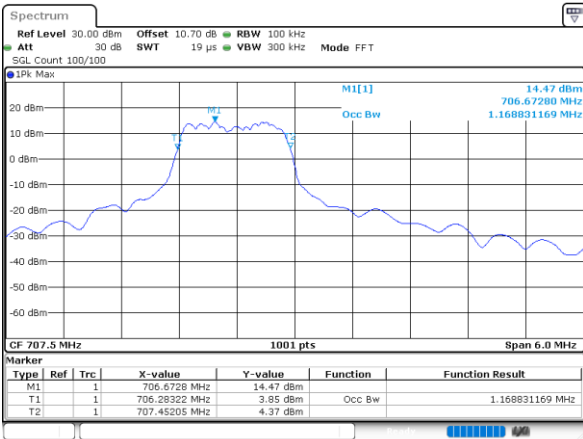
Date: 1.AUG.2024 21:31:35

Middle Channel / 1.4MHz / 16QAM



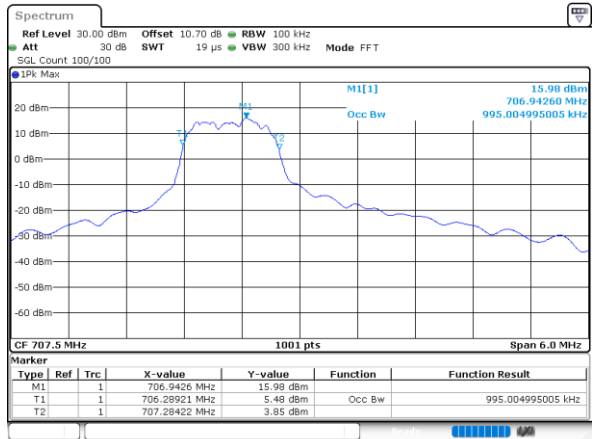
Date: 1.AUG.2024 21:30:08

Middle Channel / 3MHz / QPSK



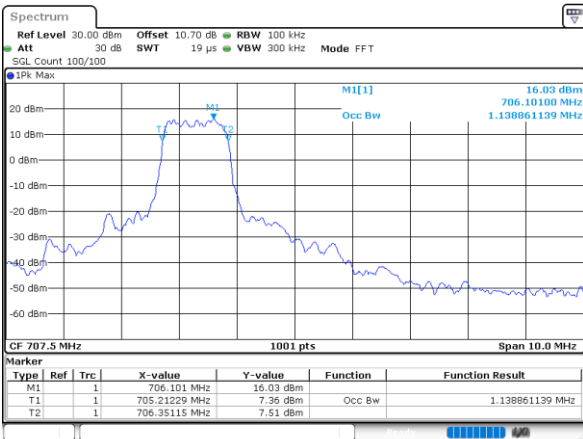
Date: 1.AUG.2024 23:11:21

Middle Channel / 3MHz / 16QAM



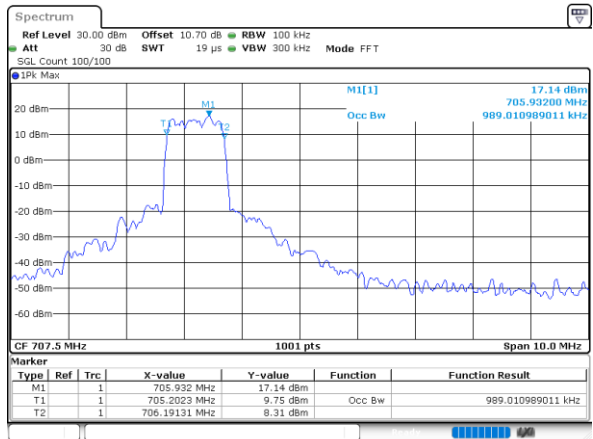
Date: 1.AUG.2024 23:10:47

Middle Channel / 5MHz / QPSK



Date: 1.AUG.2024 23:41:05

Middle Channel / 5MHz / 16QAM

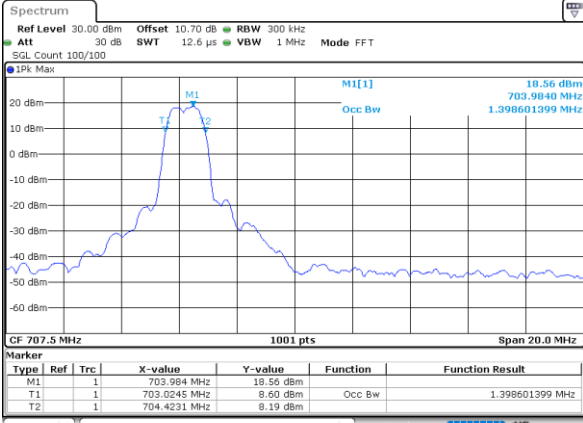


Date: 1.AUG.2024 23:40:32



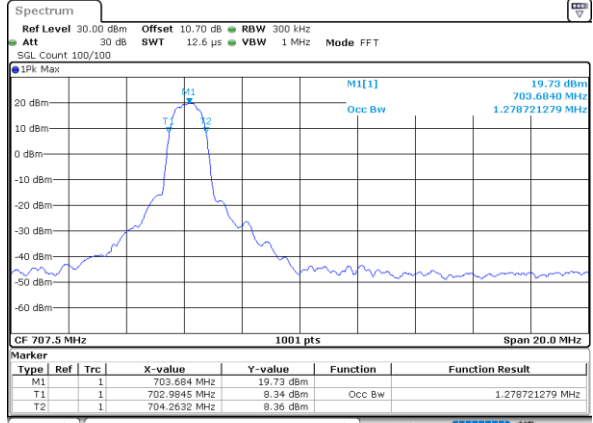
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 2.AUG.2024 00:32:16

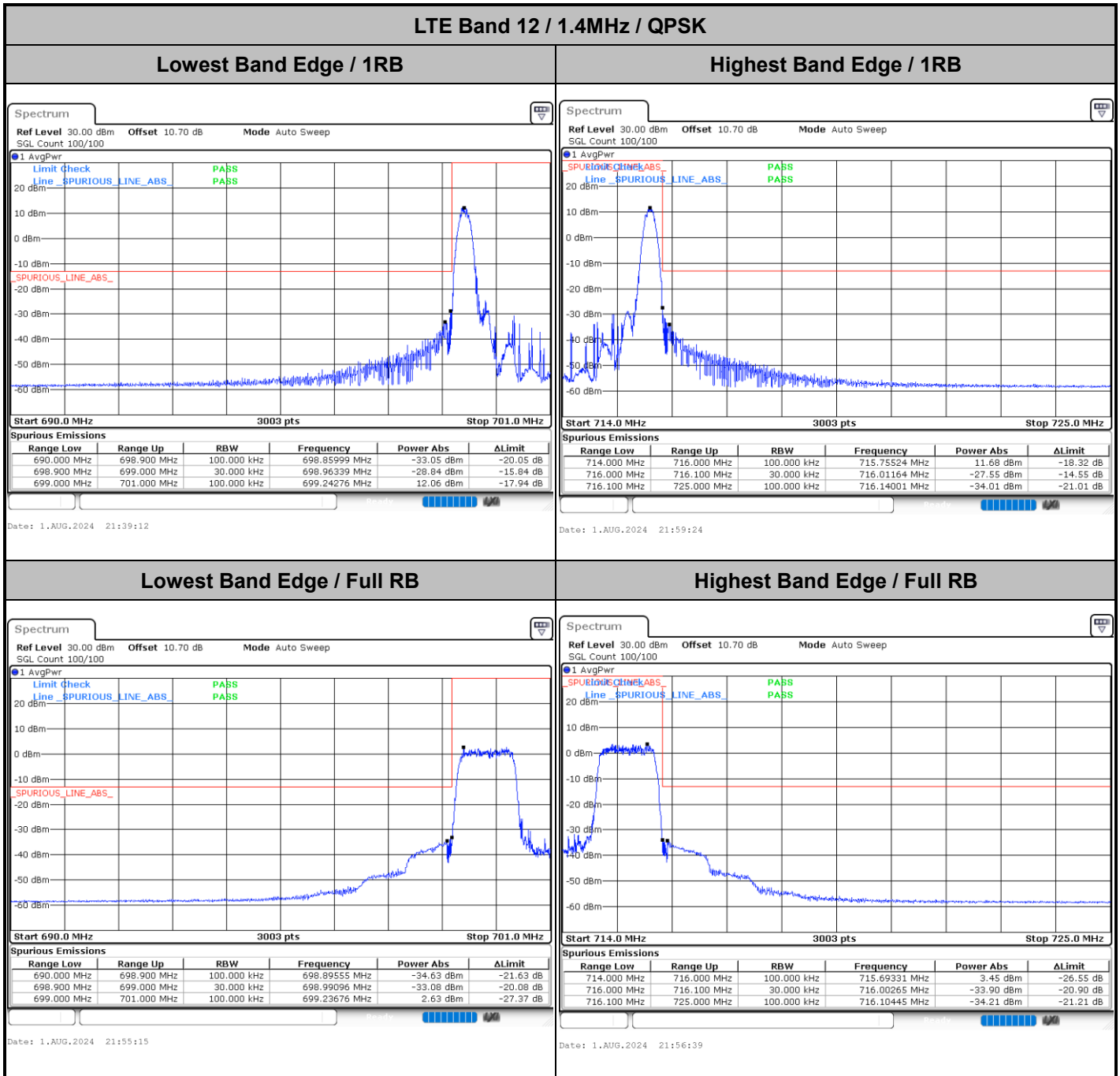
Middle Channel / 10MHz / 16QAM



Date: 2.AUG.2024 00:31:49



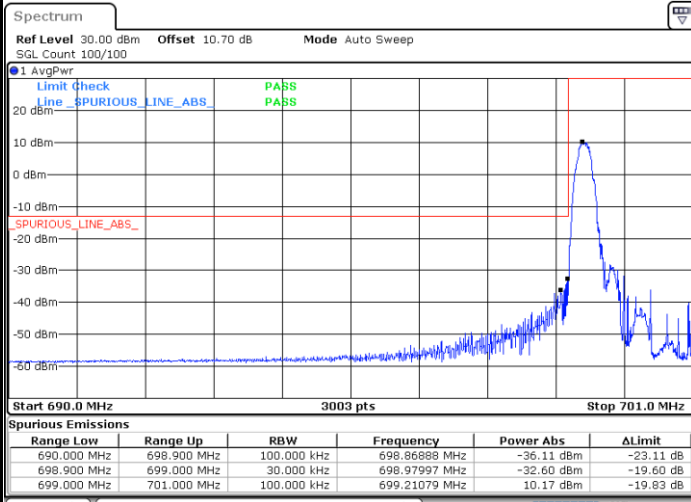
Conducted Band Edge





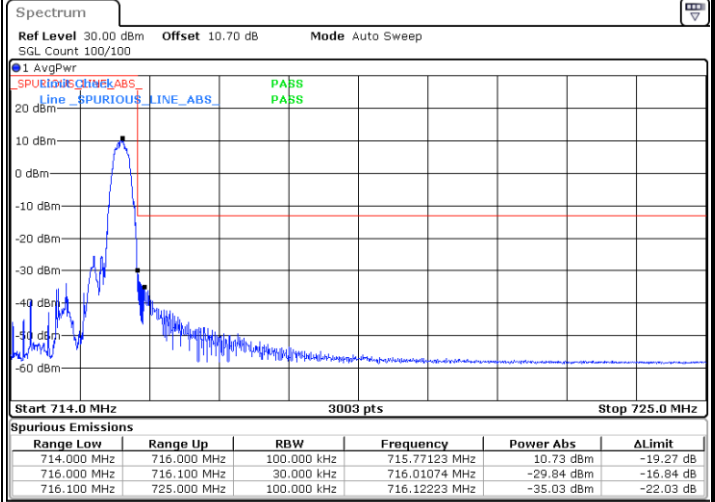
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



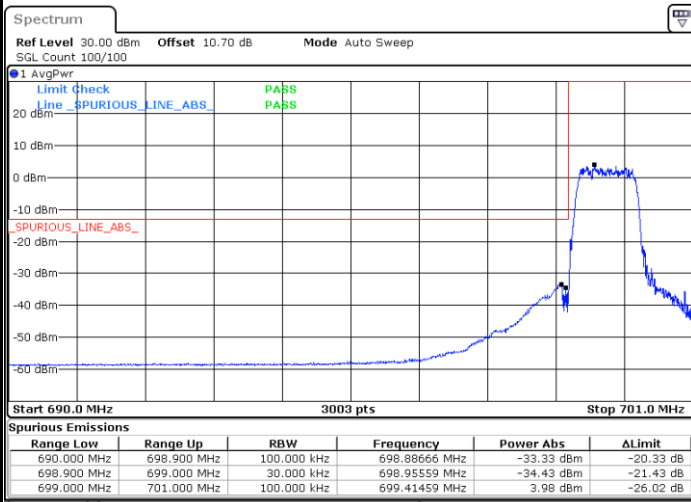
Date: 1.AUG.2024 21:40:10

Highest Band Edge / 1 RB



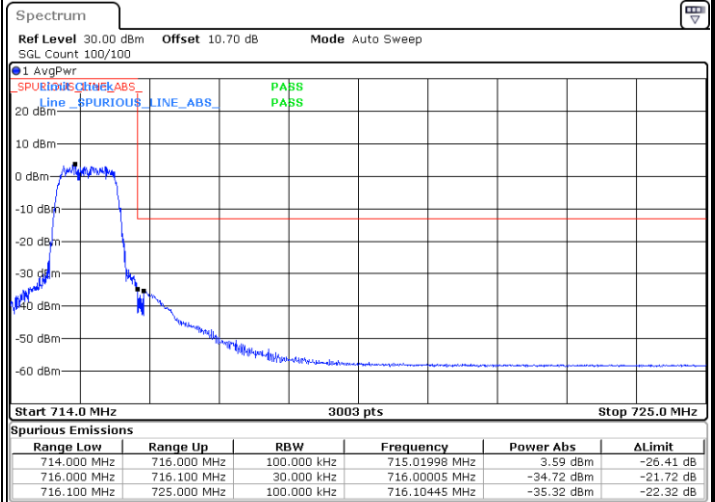
Date: 1.AUG.2024 21:58:39

Lowest Band Edge / Full RB



Date: 1.AUG.2024 21:41:10

Highest Band Edge / Full RB

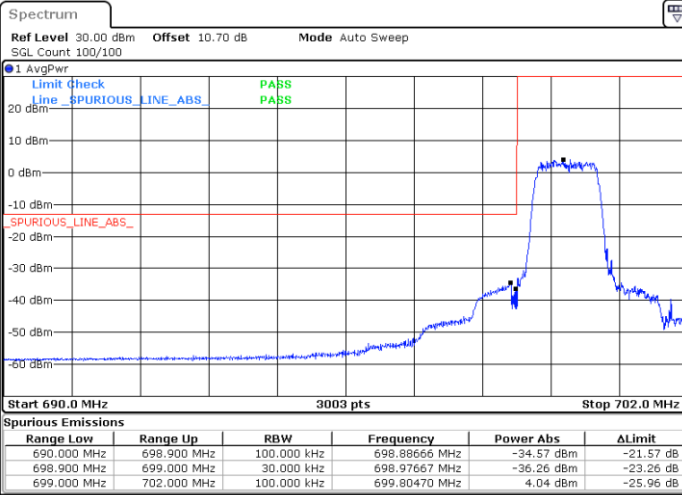


Date: 1.AUG.2024 21:57:39



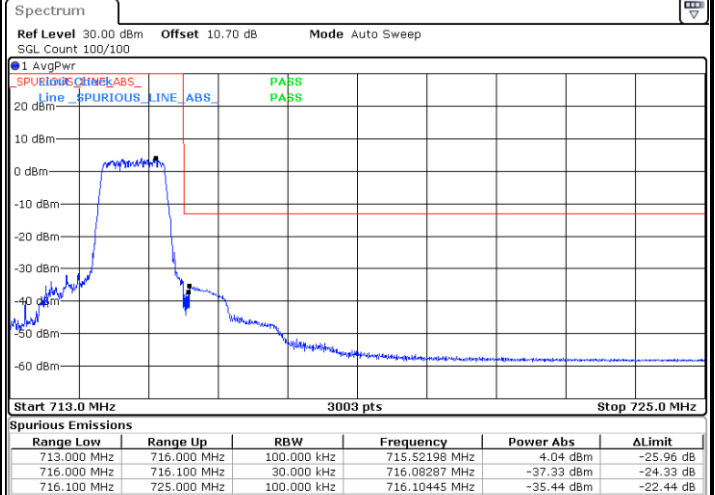
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 1.AUG.2024 23:13:39

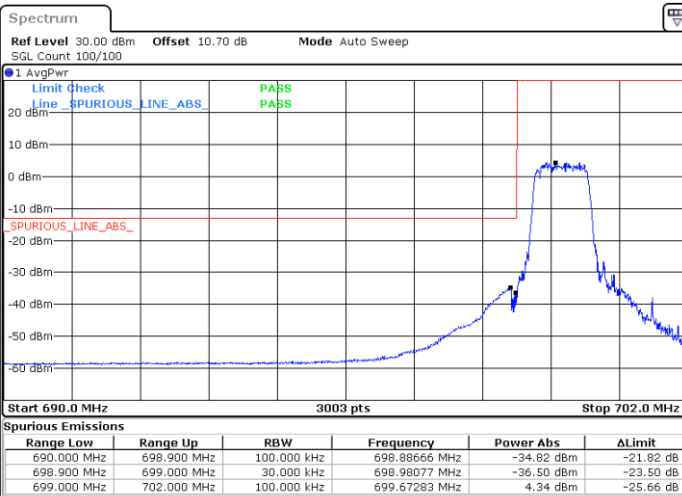
Highest Band Edge / Full RB



Date: 1.AUG.2024 23:21:21

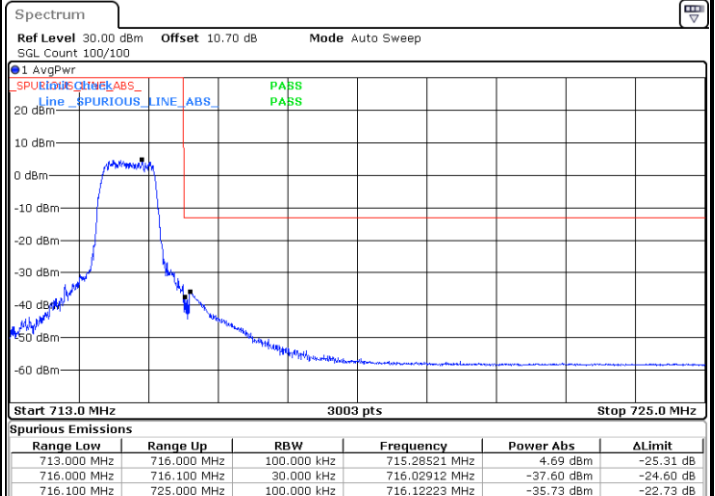
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 1.AUG.2024 23:14:42

Highest Band Edge / Full RB

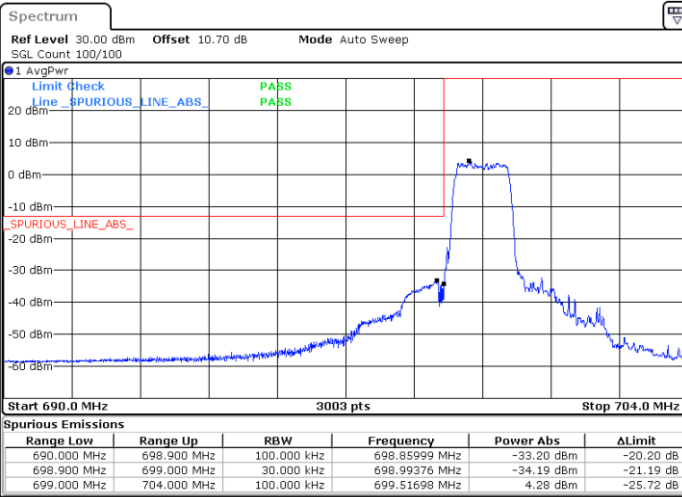


Date: 1.AUG.2024 23:20:33



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 1.AUG.2024 23:43:47

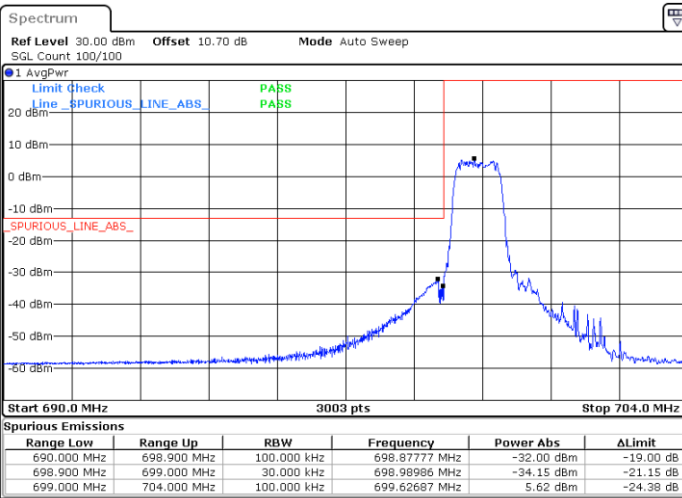
Highest Band Edge / Full RB



Date: 2.AUG.2024 00:30:04

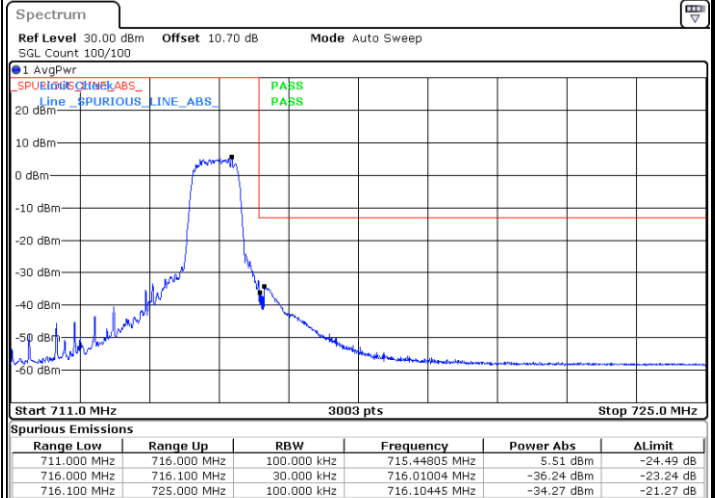
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 2.AUG.2024 00:28:08

Highest Band Edge / Full RB

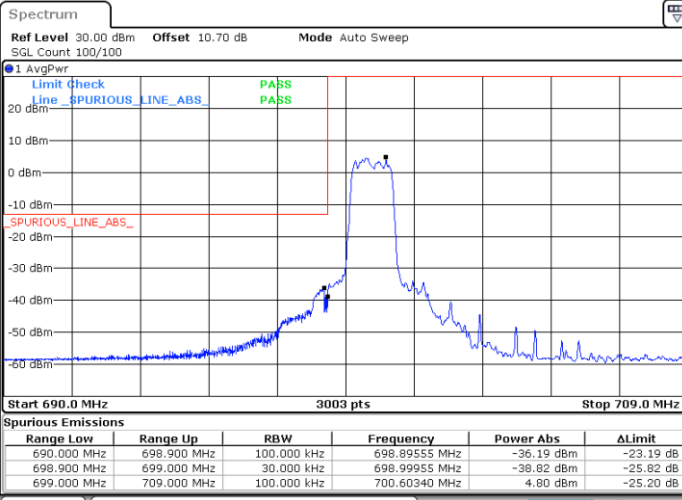


Date: 2.AUG.2024 00:29:09



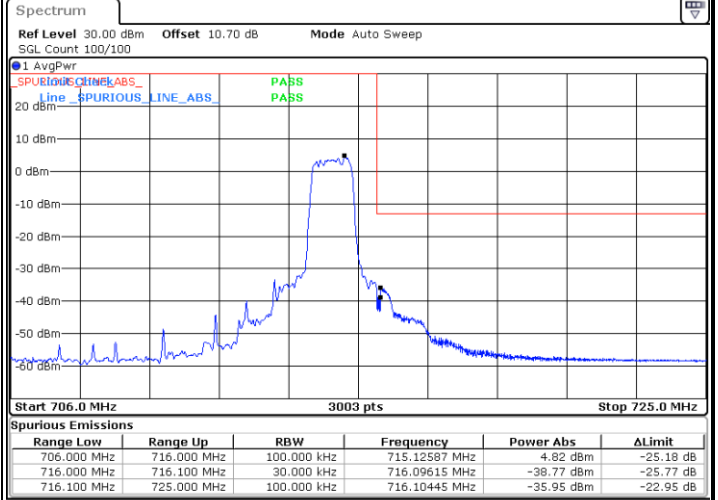
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 2.AUG.2024 00:39:40

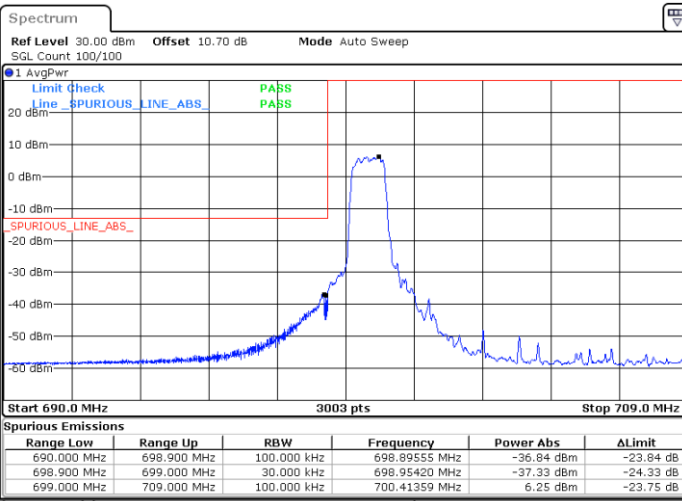
Highest Band Edge / Full RB



Date: 2.AUG.2024 00:47:09

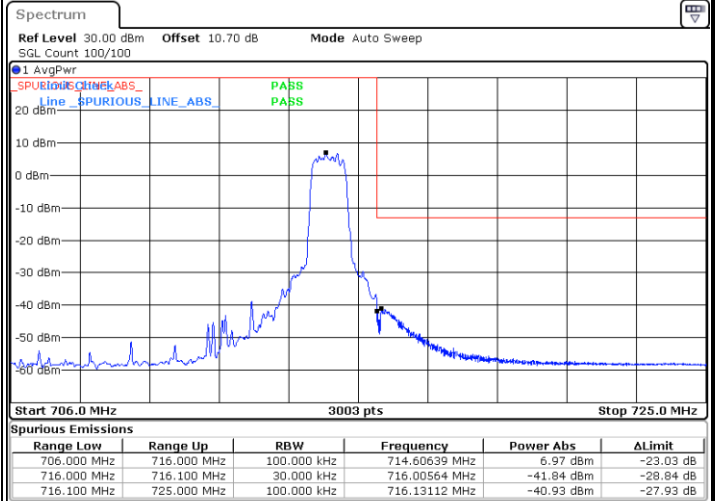
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 2.AUG.2024 00:40:47

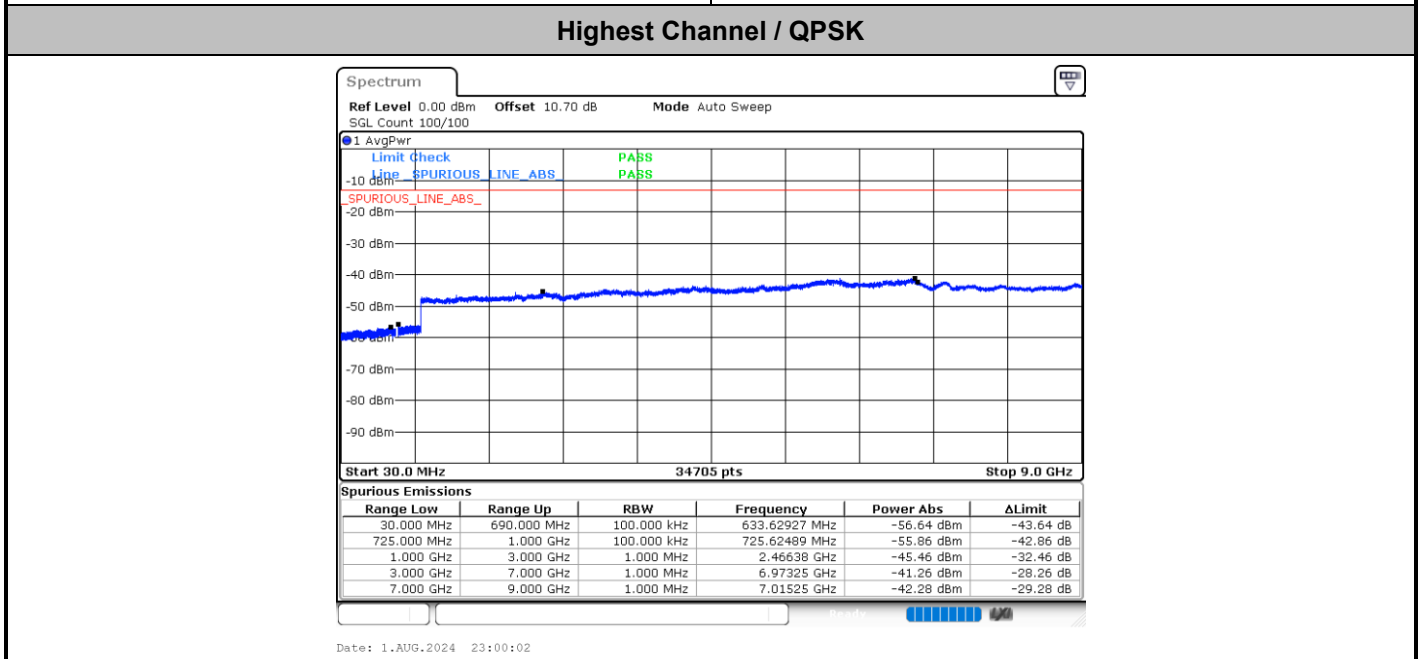
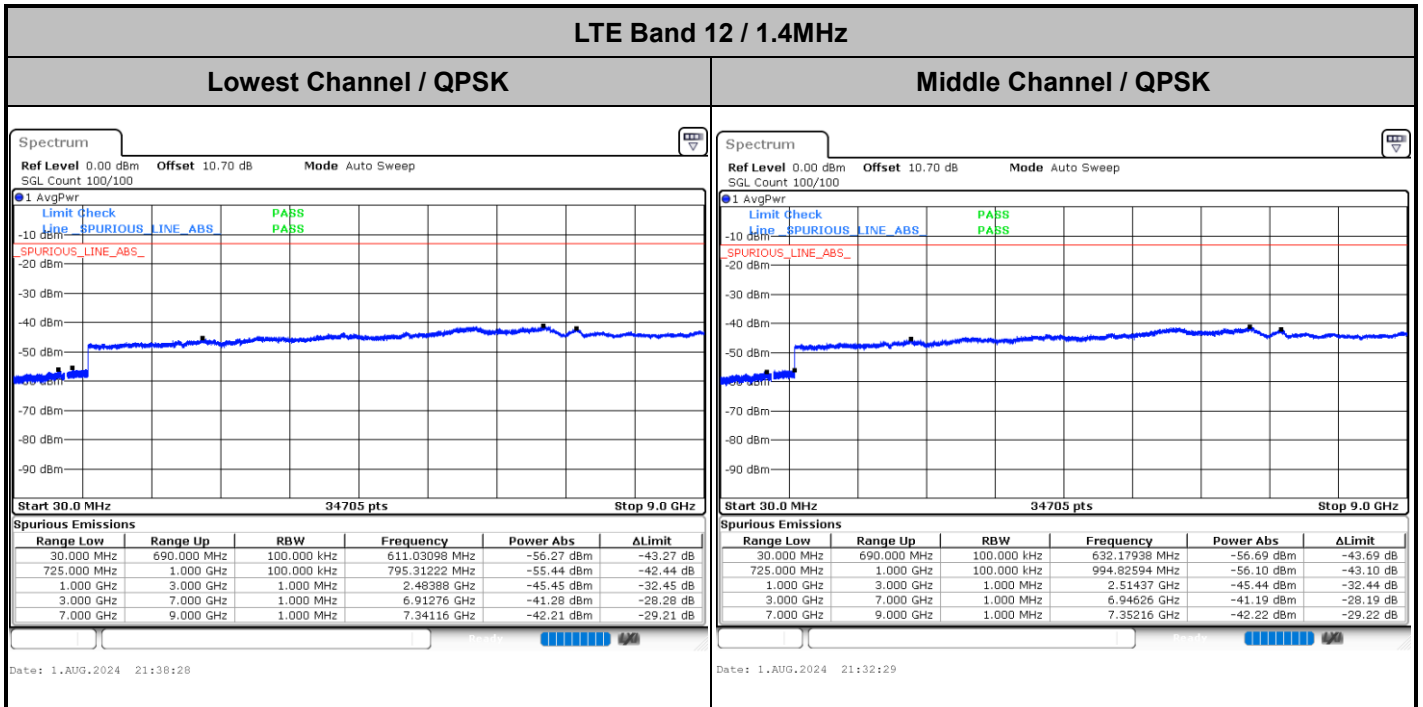
Highest Band Edge / Full RB



Date: 2.AUG.2024 00:46:11



Conducted Spurious Emission

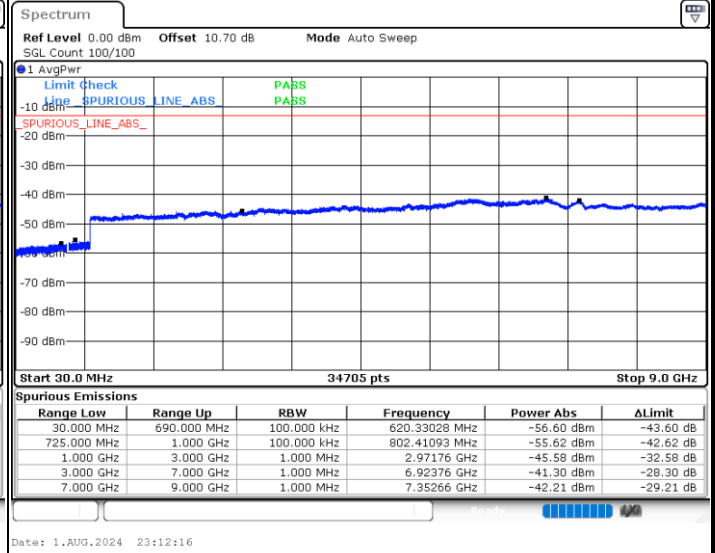
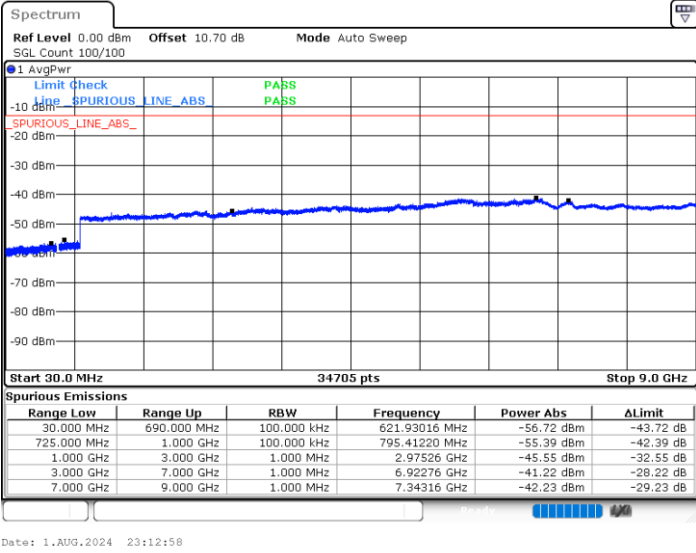




LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

