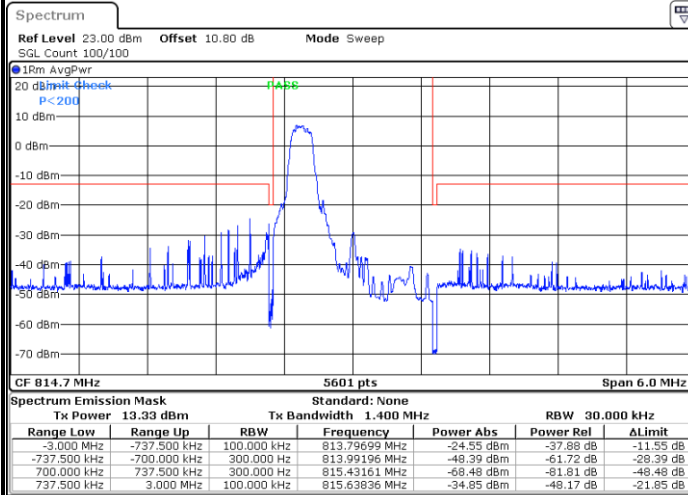




Emission masks – In-band emissions

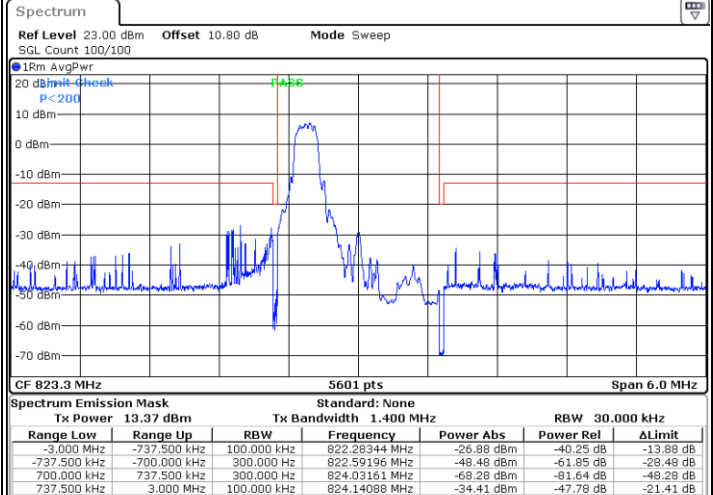
LTE Band 26 / 1.4MHz / QPSK

Lowest Channel / 1RB



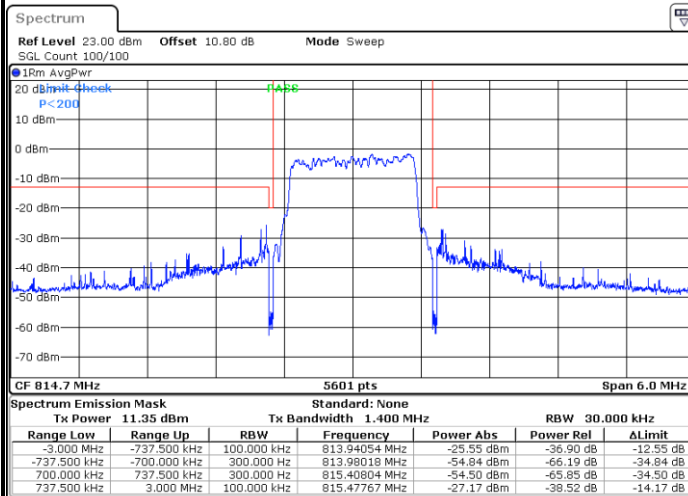
Date: 3.AUG.2024 00:13:26

Highest Channel / 1RB



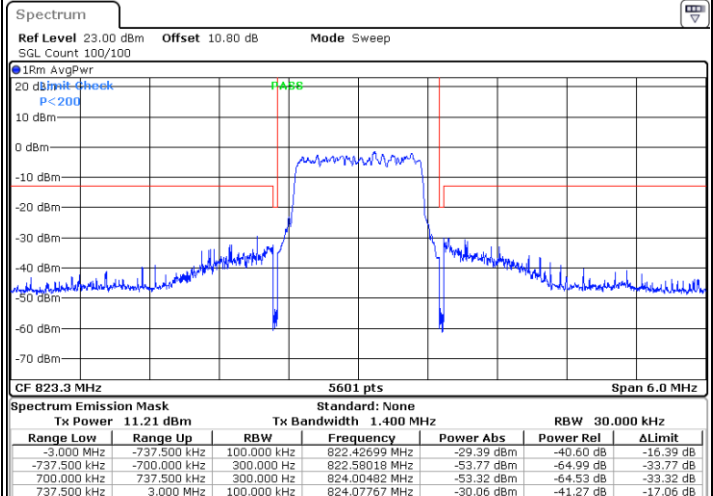
Date: 3.AUG.2024 00:46:45

Lowest Channel / Full RB



Date: 3.AUG.2024 00:38:42

Highest Channel / Full RB

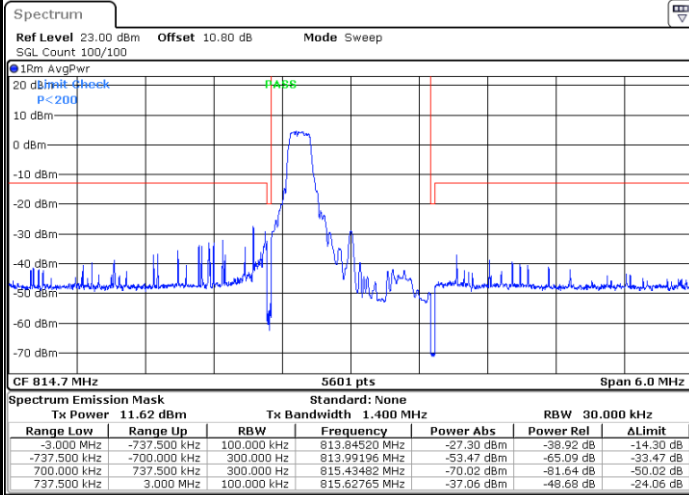


Date: 3.AUG.2024 00:39:39



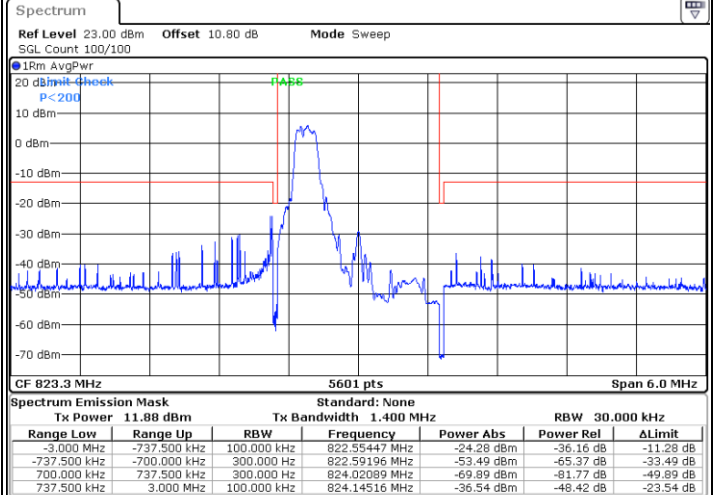
LTE Band 26 / 1.4MHz / 16QAM

Lowest Channel / 1 RB



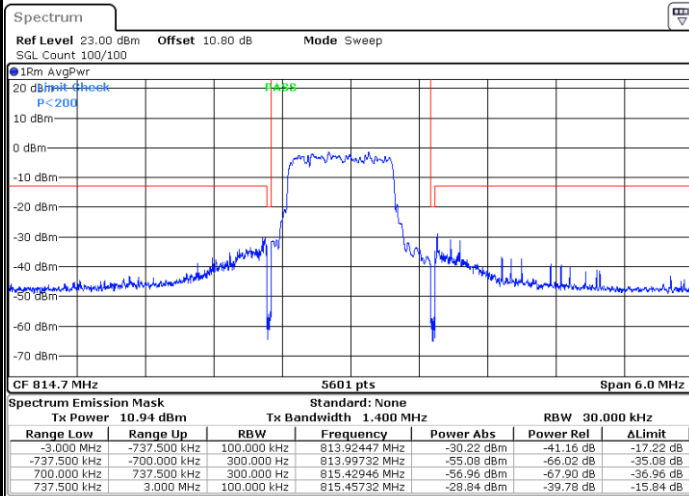
Date: 3.AUG.2024 00:37:05

Highest Channel / 1 RB



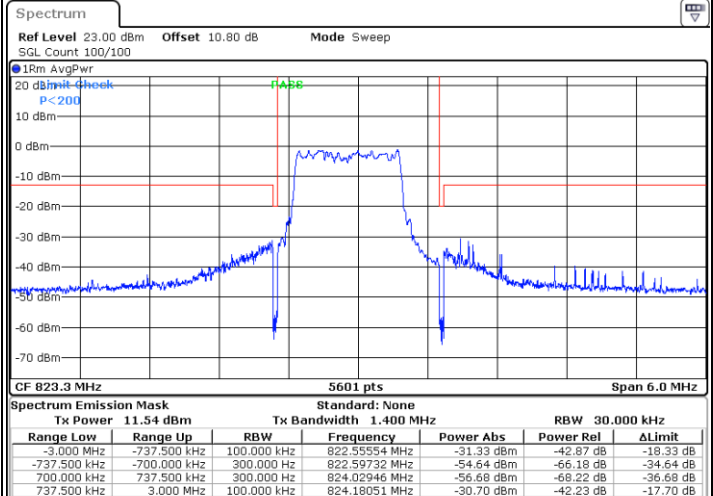
Date: 3.AUG.2024 00:41:16

Lowest Channel / Full RB



Date: 3.AUG.2024 00:37:51

Highest Channel / Full RB

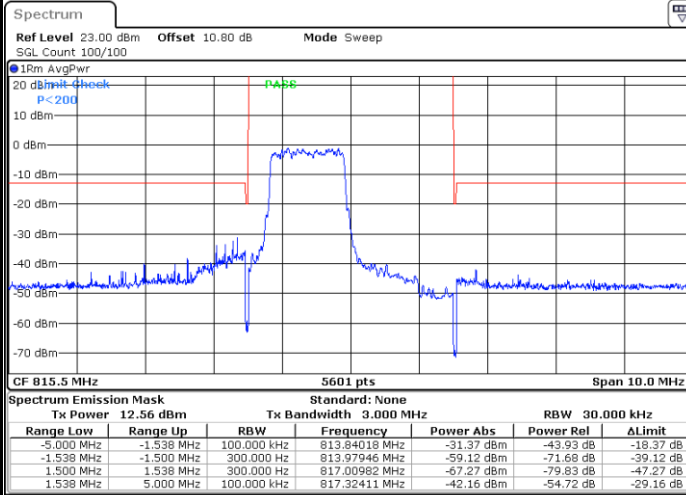


Date: 3.AUG.2024 00:40:31

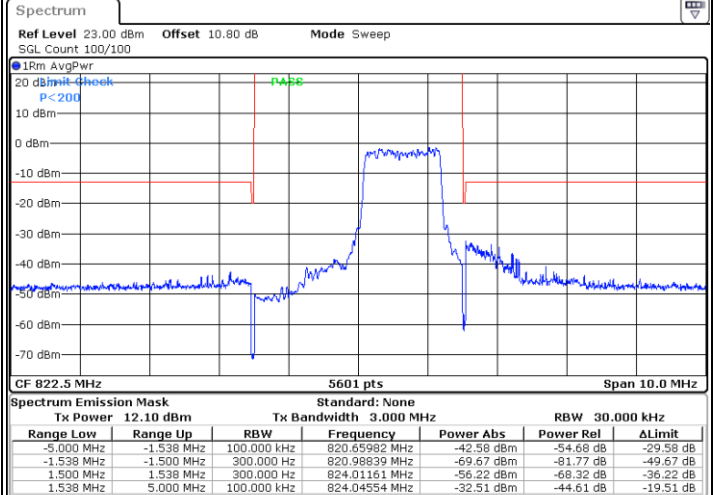


LTE Band 26 / 3MHz / QPSK

Lowest Channel / Full RB

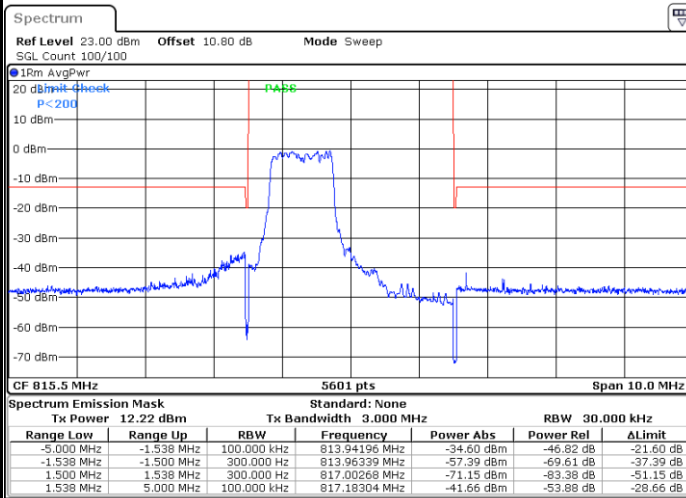


Highest Channel / Full RB

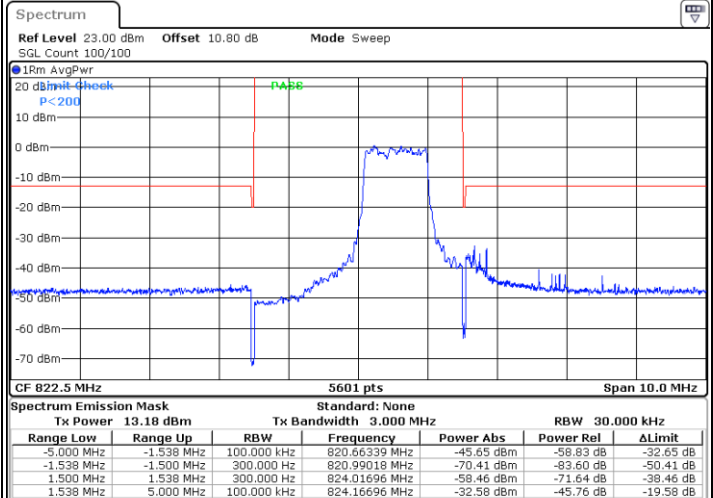


LTE Band 26 / 3MHz / 16QAM

Lowest Channel / Full RB



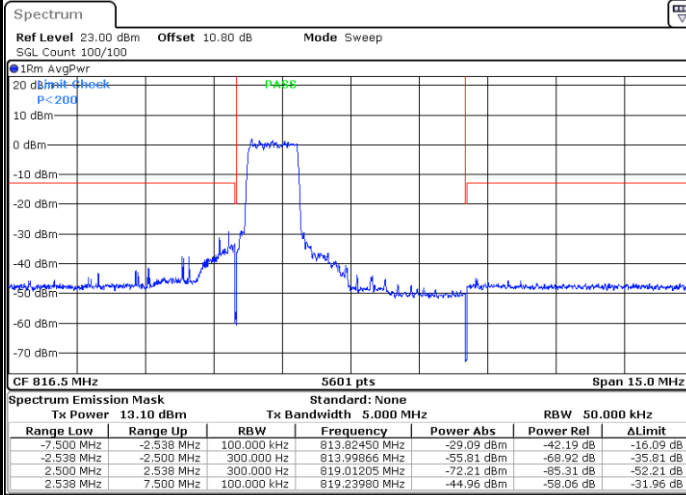
Highest Channel / Full RB



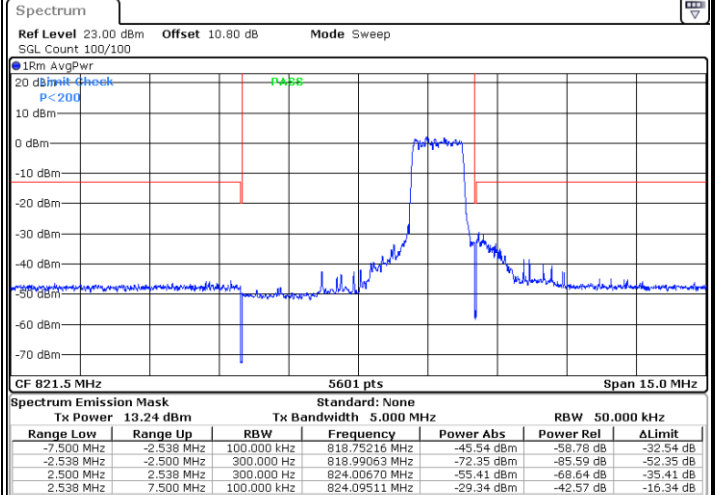


LTE Band 26 / 5MHz / QPSK

Lowest Channel / Full RB

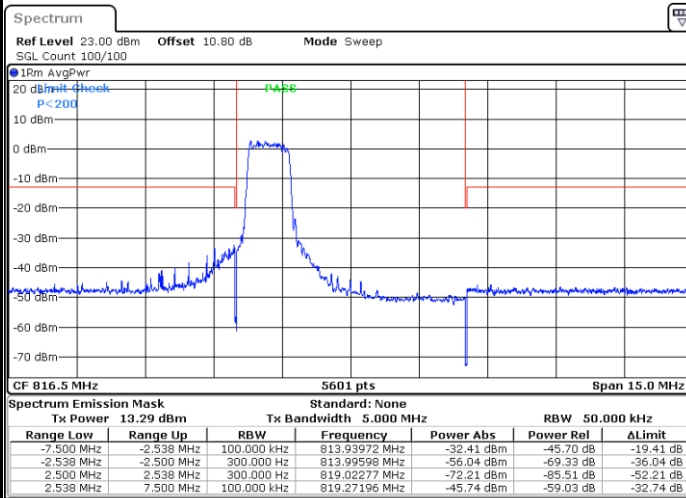


Highest Channel / Full RB

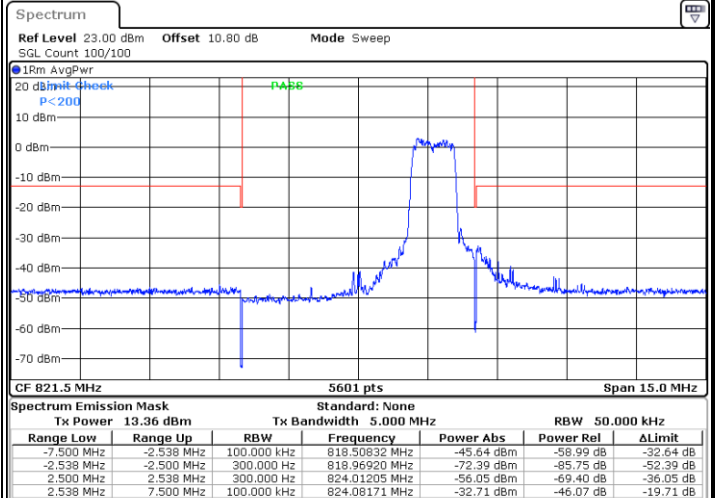


LTE Band 26 / 5MHz / 16QAM

Lowest Channel / Full RB



Highest Channel / Full RB

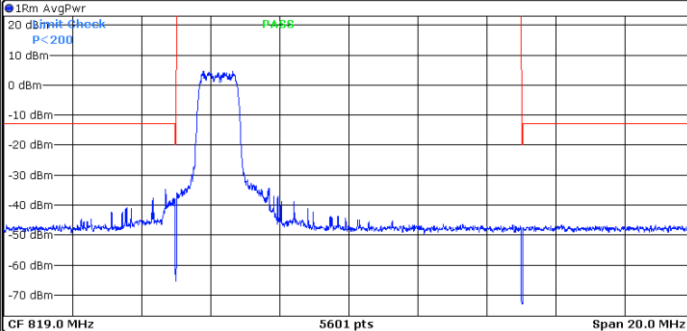




LTE Band 26 / 10MHz / QPSK

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 10.80 dB Mode Sweep
SGL Count 100/100

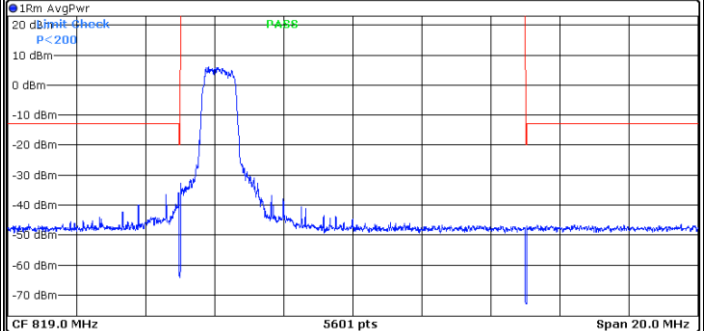
Spectrum Emission Mask			Standard: None			
Tx Power 13.08 dBm		Tx Bandwidth 10.000 MHz		RBW 100.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.69276 MHz	-34.79 dBm	-47.88 dB	-21.79 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.98312 MHz	-61.33 dBm	-74.41 dB	-41.33 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.00937 MHz	-72.41 dBm	-85.50 dB	-52.41 dB
5.038 MHz	10.000 MHz	100.000 kHz	828.91247 MHz	-46.59 dBm	-59.67 dB	-33.59 dB

Date: 6.AUG.2024 00:08:50

LTE Band 26 / 10MHz / 16QAM

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 10.80 dB Mode Sweep
SGL Count 100/100

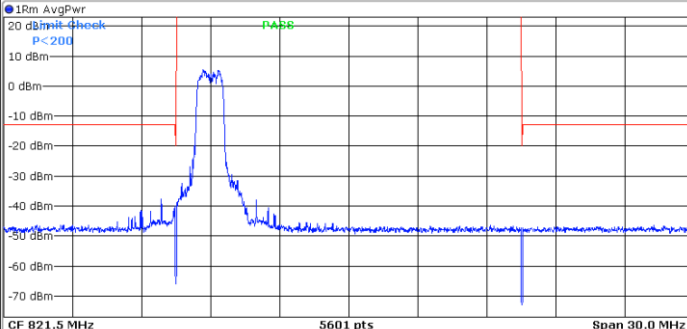
Spectrum Emission Mask			Standard: None			
Tx Power 13.80 dBm		Tx Bandwidth 10.000 MHz		RBW 100.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-10.000 MHz	-5.038 MHz	100.000 kHz	813.95000 MHz	-35.88 dBm	-49.69 dB	-22.88 dB
-5.038 MHz	-5.000 MHz	300.000 Hz	813.96812 MHz	-60.99 dBm	-74.79 dB	-40.99 dB
5.000 MHz	5.038 MHz	300.000 Hz	824.02813 MHz	-72.56 dBm	-86.36 dB	-52.56 dB
5.038 MHz	10.000 MHz	100.000 kHz	828.50518 MHz	-46.50 dBm	-60.30 dB	-33.50 dB

Date: 6.AUG.2024 00:06:59

LTE Band 26 / 15MHz / QPSK

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 10.80 dB Mode Sweep
SGL Count 100/100

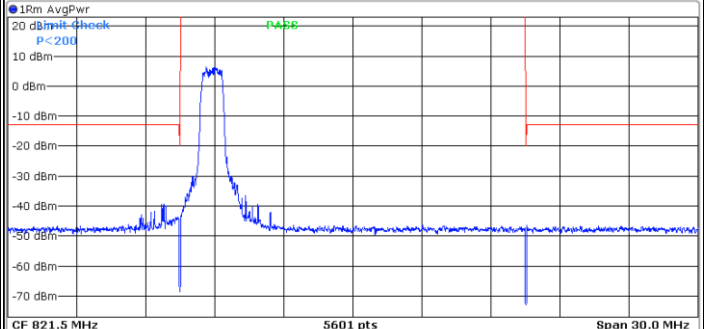
Spectrum Emission Mask			Standard: None			
Tx Power 13.51 dBm		Tx Bandwidth 15.000 MHz		RBW 100.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.34911 MHz	-37.68 dBm	-51.19 dB	-24.68 dB
-7.538 MHz	7.500 MHz	300.000 Hz	813.99196 MHz	-63.71 dBm	-77.22 dB	-43.71 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01339 MHz	-72.46 dBm	-85.98 dB	-52.46 dB
7.538 MHz	15.000 MHz	100.000 kHz	834.75625 MHz	-46.48 dBm	-59.99 dB	-33.48 dB

Date: 6.AUG.2024 00:17:10

LTE Band 26 / 15MHz / 16QAM

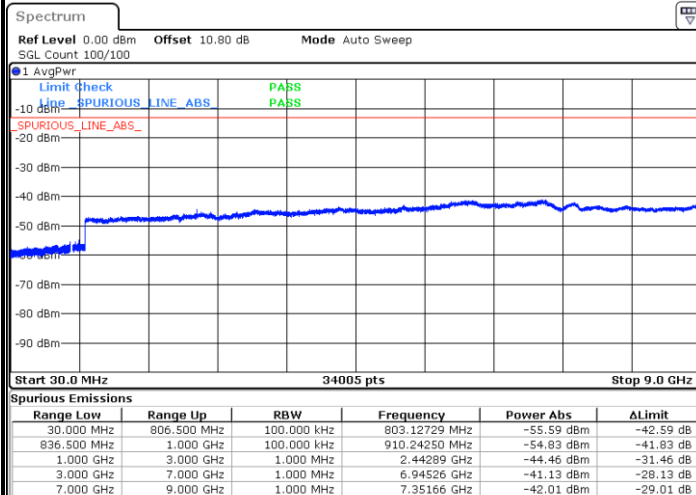
Lowest Channel / Full RB

Spectrum

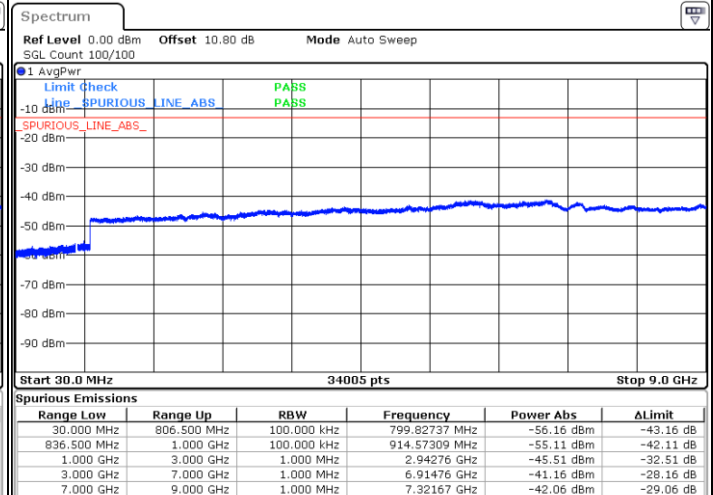
Ref Level 23.00 dBm Offset 10.80 dB Mode Sweep
SGL Count 100/100

Spectrum Emission Mask			Standard: None			
Tx Power 13.91 dBm		Tx Bandwidth 15.000 MHz		RBW 100.000 kHz		
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.29018 MHz	-39.28 dBm	-53.19 dB	-26.28 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.99732 MHz	-67.02 dBm	-80.93 dB	-47.02 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.00268 MHz	-72.58 dBm	-86.49 dB	-52.58 dB
7.538 MHz	15.000 MHz	100.000 kHz	829.05625 MHz	-46.47 dBm	-60.38 dB	-33.47 dB

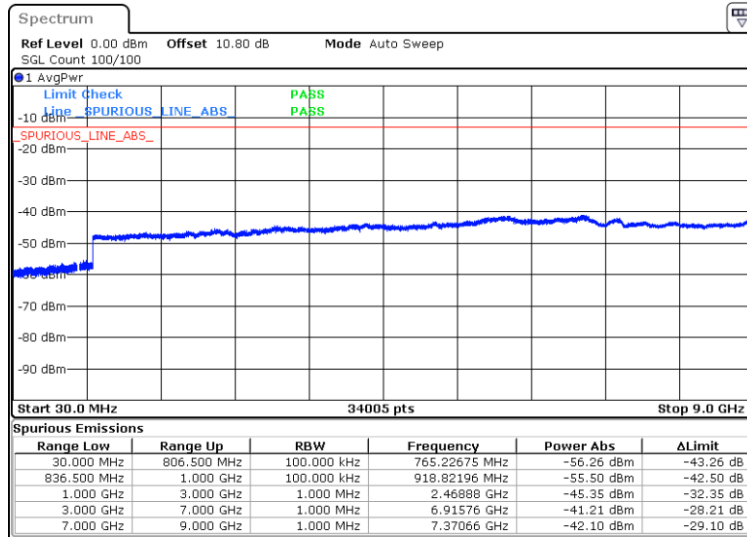
Date: 6.AUG.2024 00:15:51

**Emission masks – Out of band emissions****LTE Band 26 / 1.4MHz****Lowest Channel / QPSK**

Date: 3.AUG.2024 00:12:21

Middle Channel / QPSK

Date: 3.AUG.2024 00:11:03

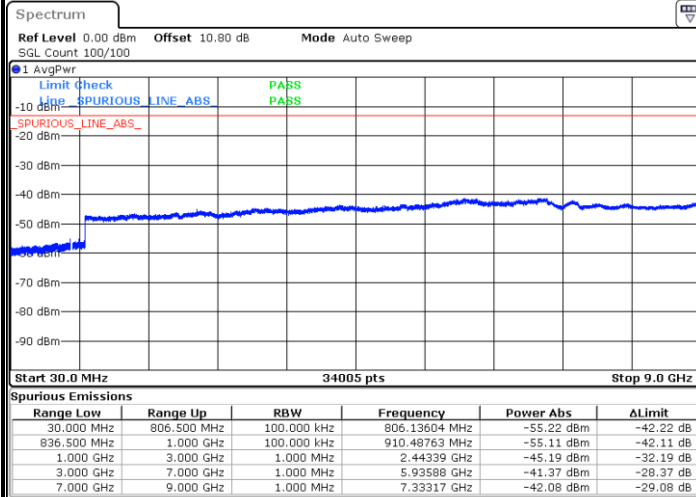
Highest Channel / QPSK

Date: 3.AUG.2024 00:47:13



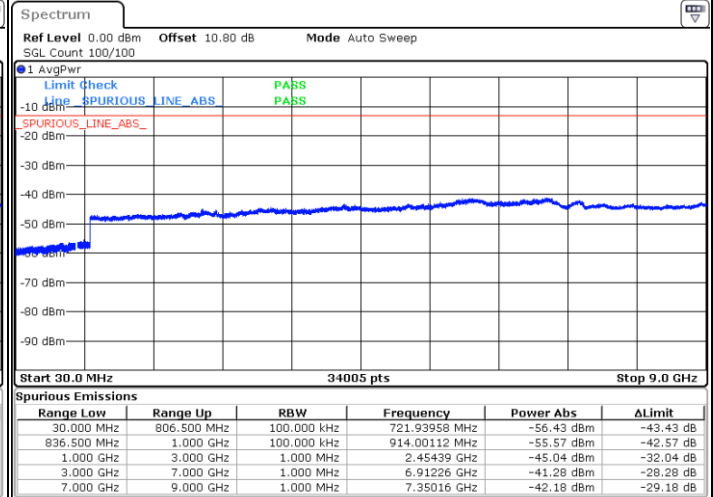
LTE Band 26 / 3MHz

Lowest Channel / QPSK



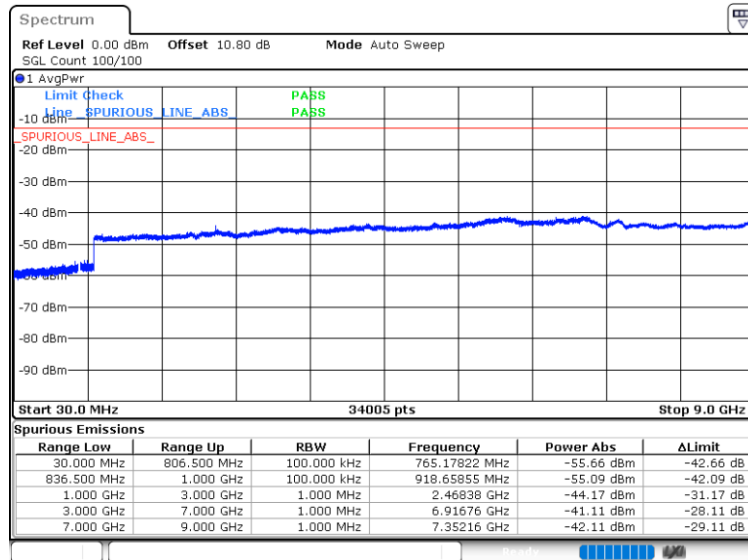
Date: 3.AUG.2024 01:00:45

Middle Channel / QPSK



Date: 3.AUG.2024 00:59:44

Highest Channel / QPSK

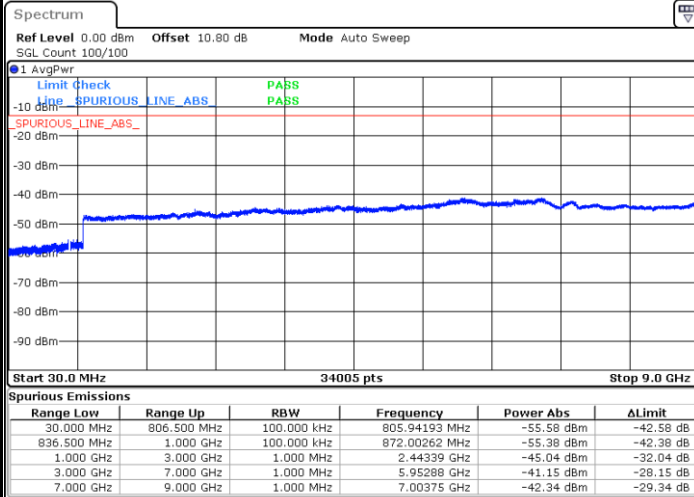


Date: 3.AUG.2024 01:13:19



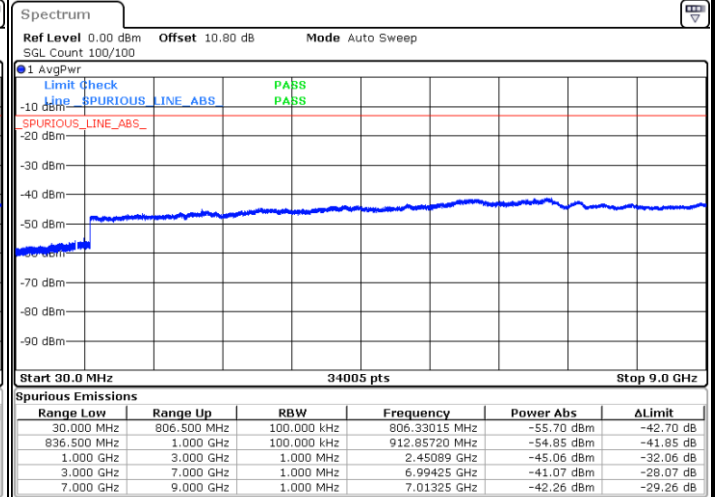
LTE Band 26 / 5MHz

Lowest Channel / QPSK



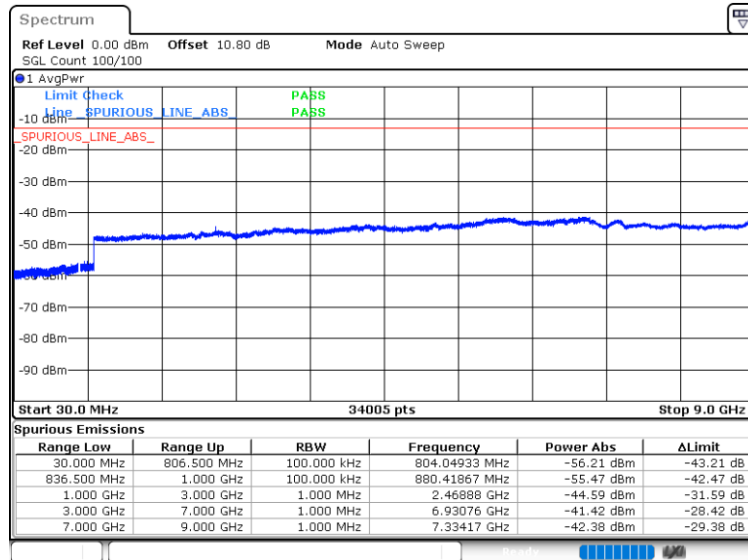
Date: 5.AUG.2024 23:32:07

Middle Channel / QPSK



Date: 5.AUG.2024 23:31:27

Highest Channel / QPSK

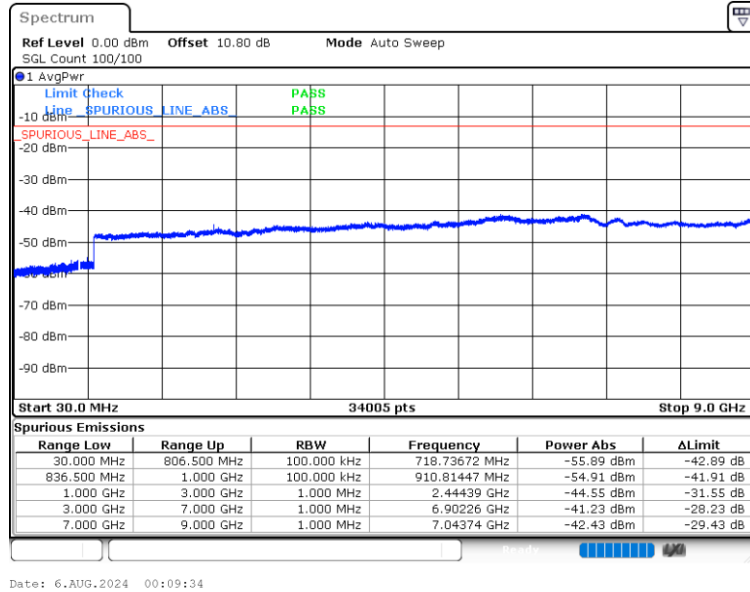


Date: 6.AUG.2024 00:01:35



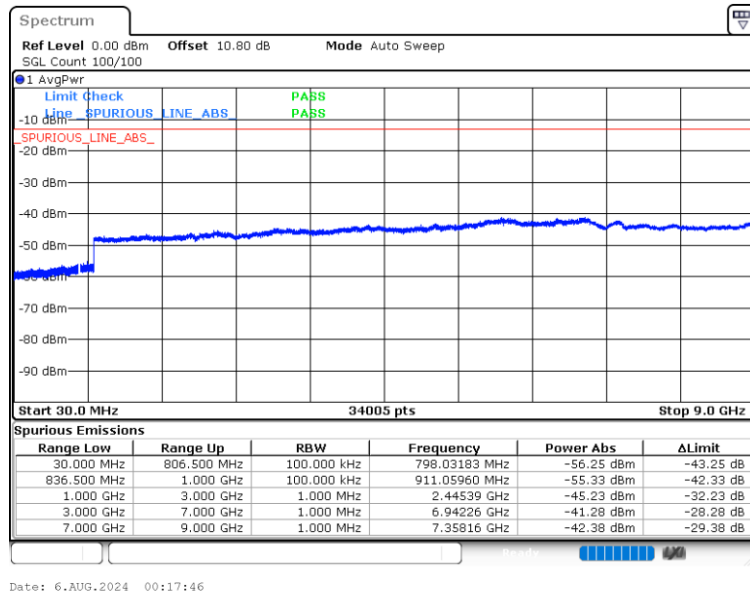
LTE Band 26 / 10MHz

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.



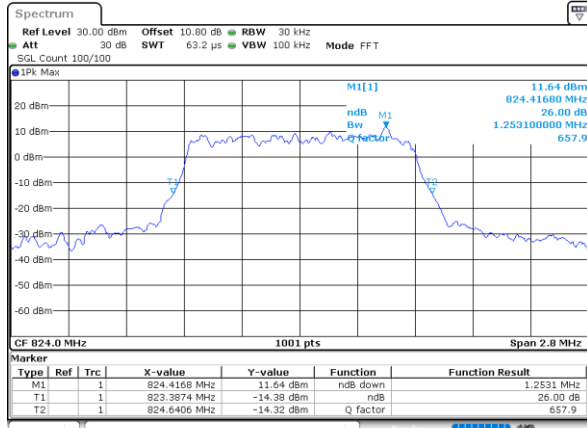
**26dB Bandwidth**

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	1.25	1.05	1.30	1.18	1.33	1.16	1.75	1.57	1.79	1.61	-	-



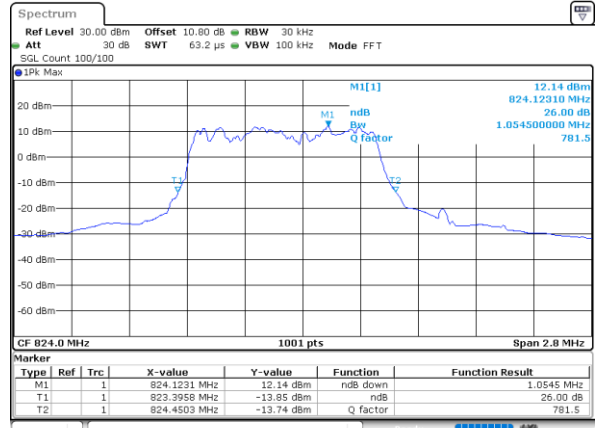
LTE Band 26

Middle Channel / 1.4MHz / QPSK



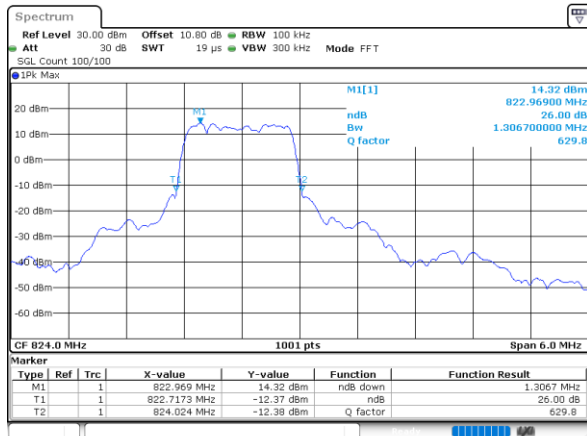
Date: 6.AUG.2024 00:25:06

Middle Channel / 1.4MHz / 16QAM



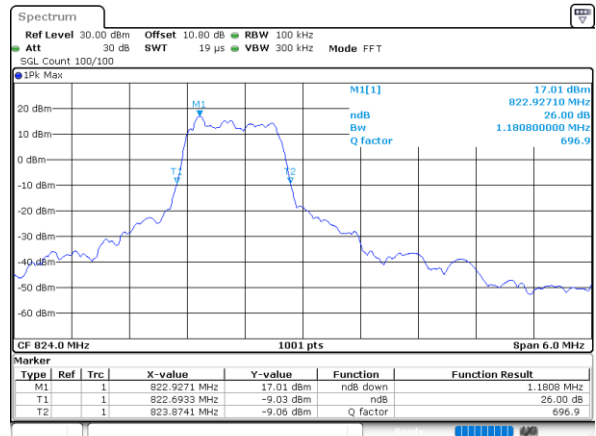
Date: 6.AUG.2024 00:24:35

Middle Channel / 3MHz / QPSK



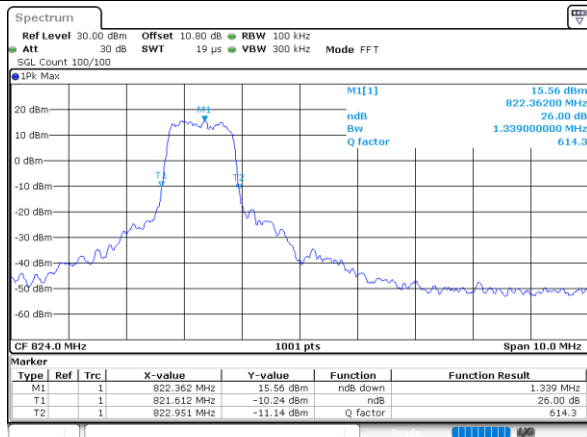
Date: 6.AUG.2024 00:26:20

Middle Channel / 3MHz / 16QAM



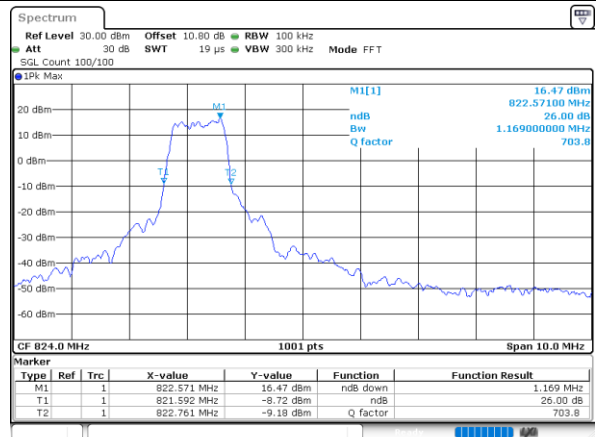
Date: 6.AUG.2024 00:28:33

Middle Channel / 5MHz / QPSK



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

Middle Channel / 5MHz / 16QAM

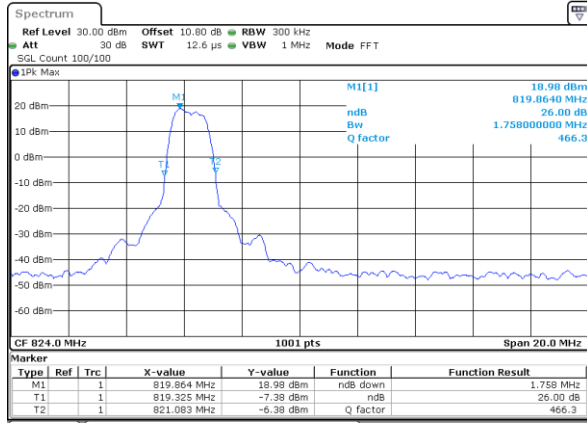


Date: 6.AUG.2024 00:33:13



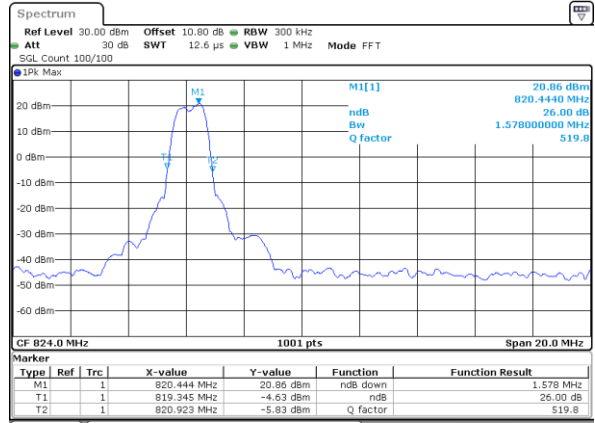
LTE Band 26

Middle Channel / 10MHz / QPSK



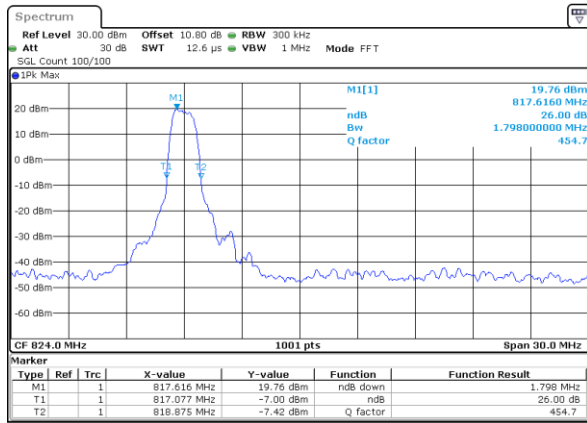
Date: 6,AUG,2024 00:35:50

Middle Channel / 10MHz / 16QAM



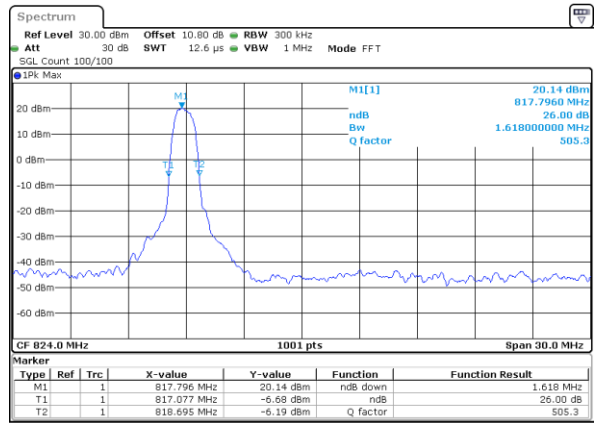
Date: 6,AUG,2024 00:37:09

Middle Channel / 15MHz / QPSK



Date: 6,AUG,2024 00:52:58

Middle Channel / 15MHz / 16QAM



Date: 6,AUG,2024 00:37:54



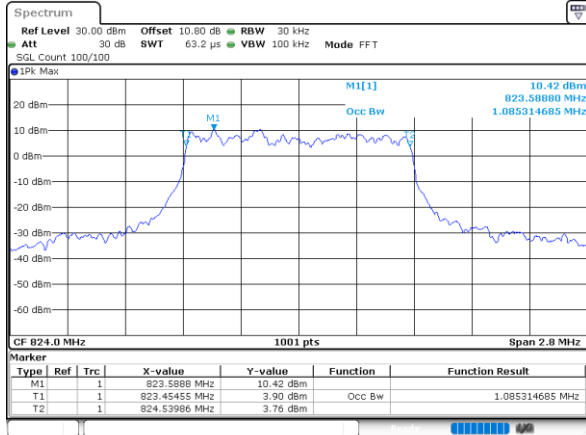
Occupied Bandwidth

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	1.08	0.89	1.15	1.01	1.16	0.99	1.43	1.23	1.43	1.22	-	-

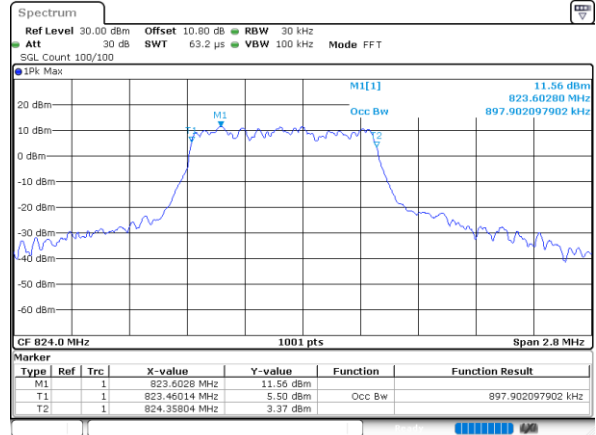


LTE Band 26

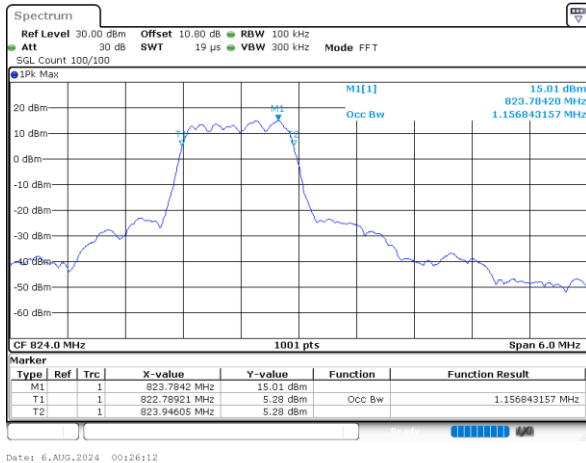
Middle Channel / 1.4MHz / QPSK



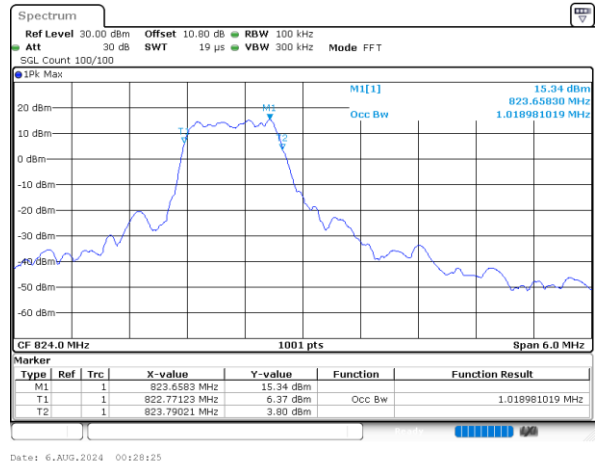
Middle Channel / 1.4MHz / 16QAM



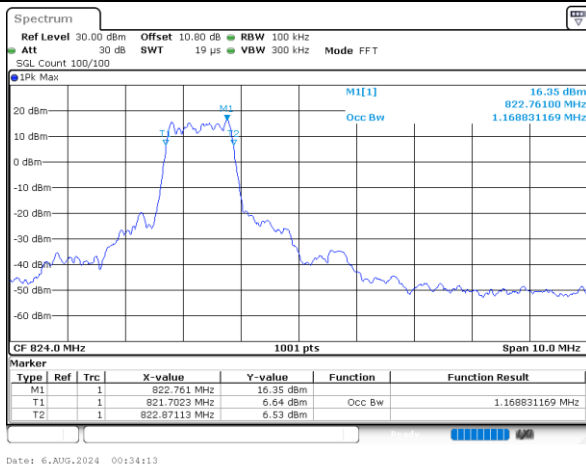
Middle Channel / 3MHz / QPSK



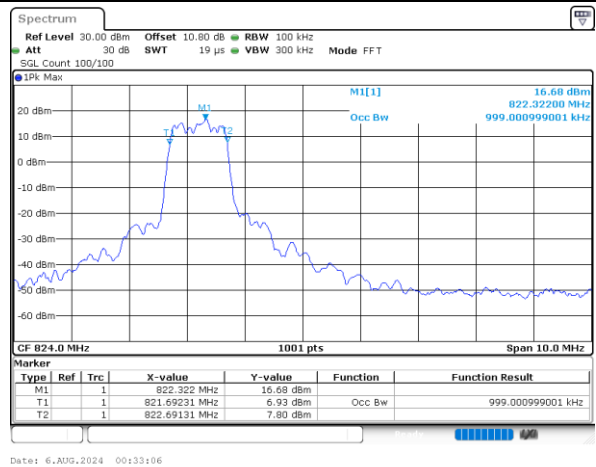
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



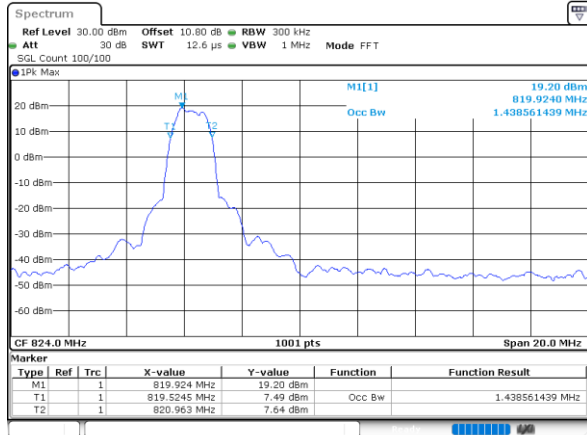
Middle Channel / 5MHz / 16QAM



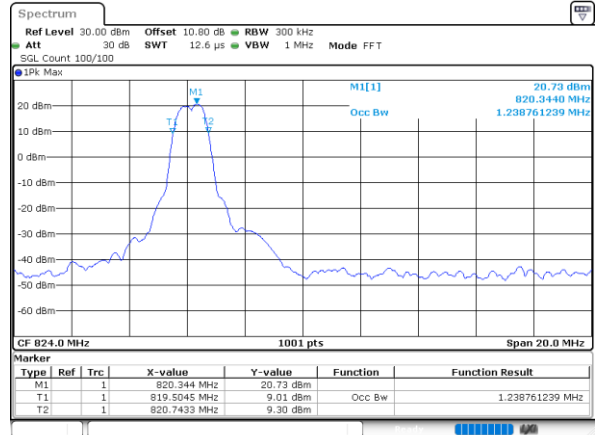


LTE Band 26

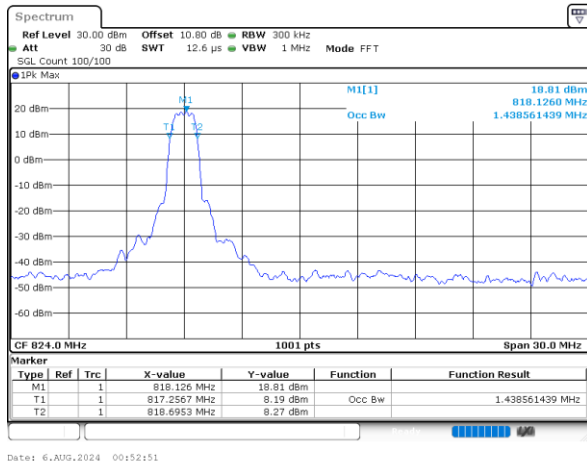
Middle Channel / 10MHz / QPSK



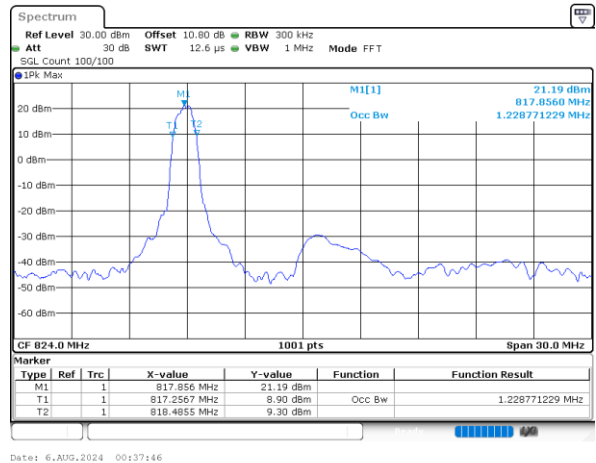
Middle Channel / 10MHz / 16QAM

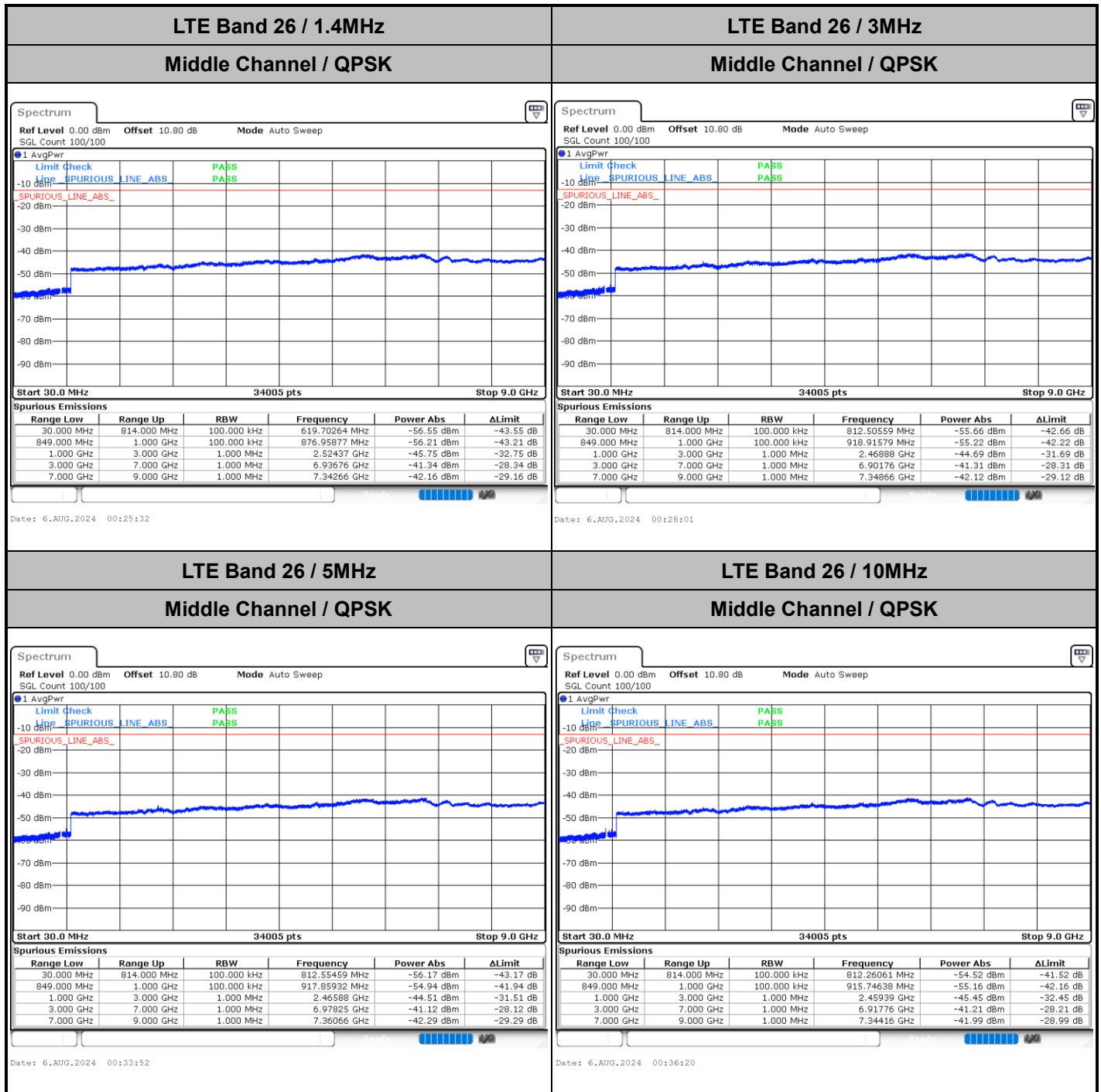


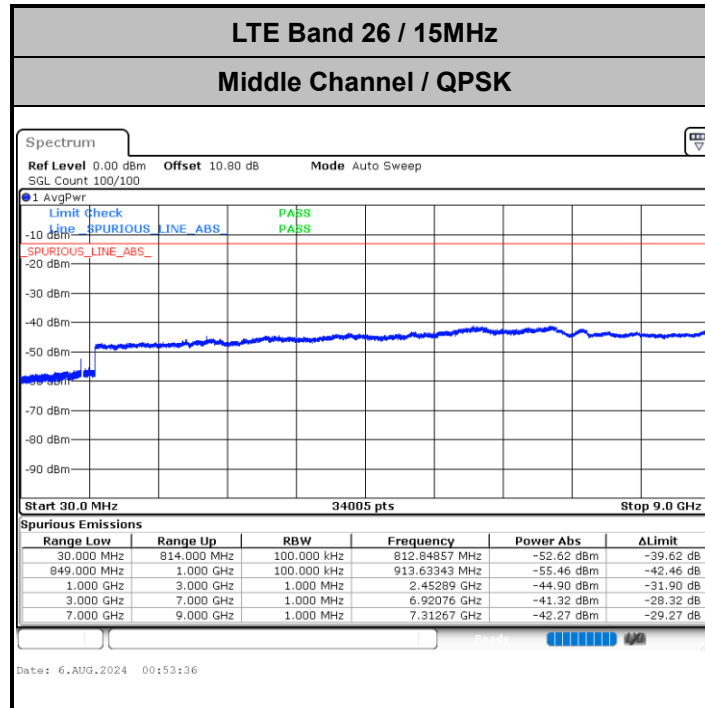
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



**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

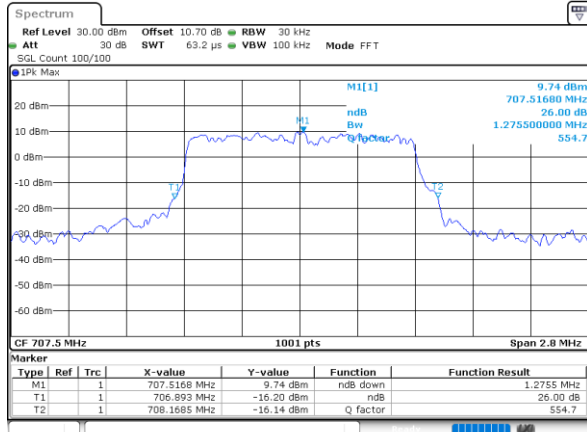
26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)											
BW	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	-	-	-	-



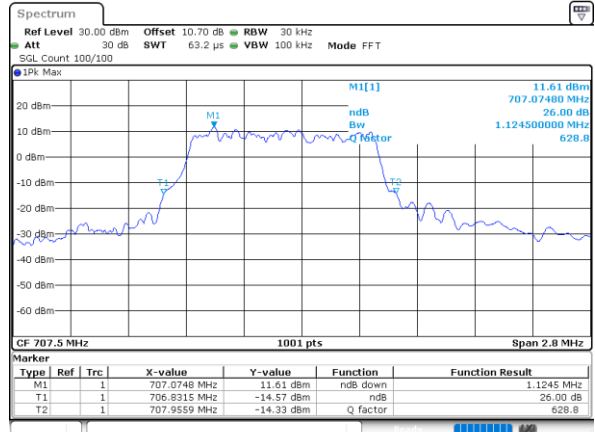
LTE Band 12

Middle Channel / 1.4MHz / QPSK



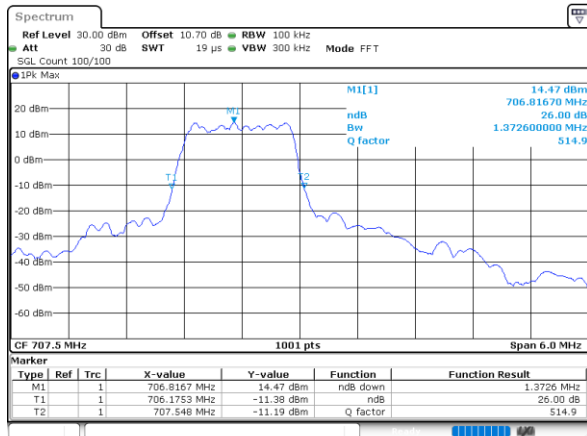
Date: 1.AUG.2024 21:31:43

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



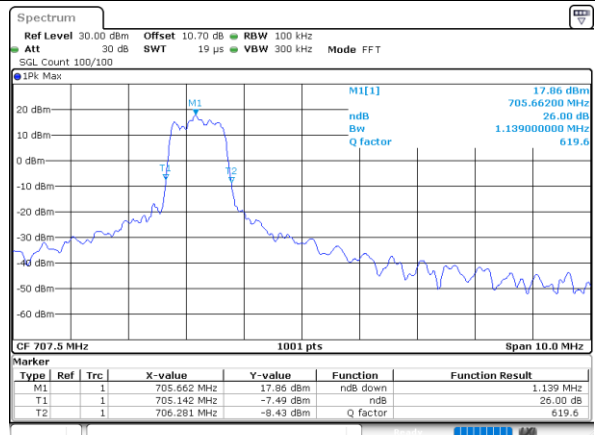
Date: 1.AUG.2024 23:10:56

Middle Channel / 5MHz / QPSK



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

Middle Channel / 5MHz / 16QAM

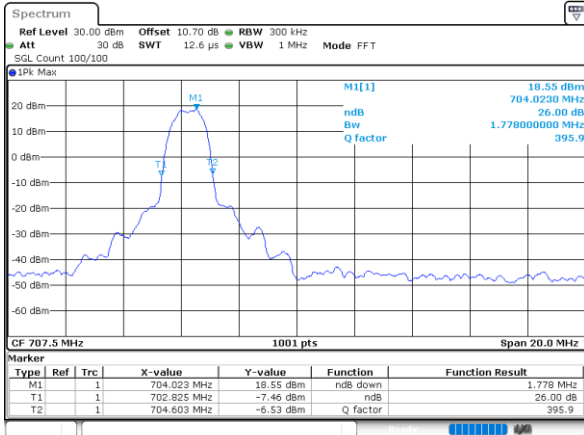


Date: 1.AUG.2024 23:40:41



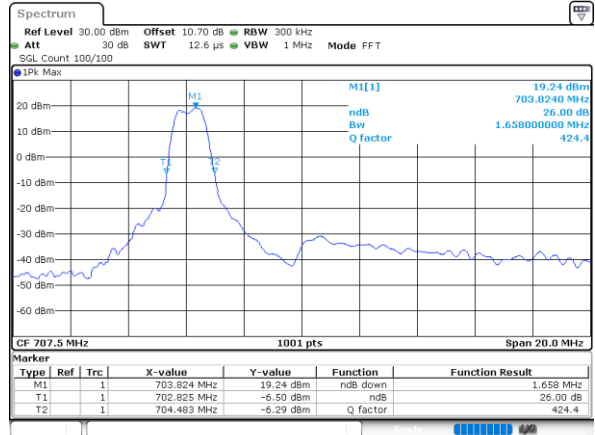
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 2.AUG.2024 00:37:08

Middle Channel / 10MHz / 16QAM



Date: 2.AUG.2024 00:32:08



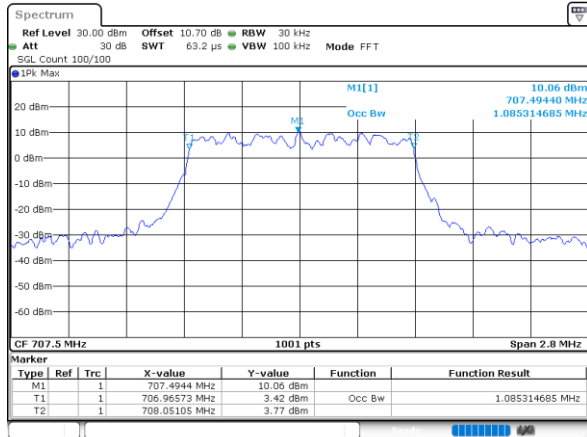
Occupied Bandwidth

Mode	LTE Band 12 : 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	1.08	0.91	1.16	0.99	1.13	0.98	1.39	1.27	-	-	-	-

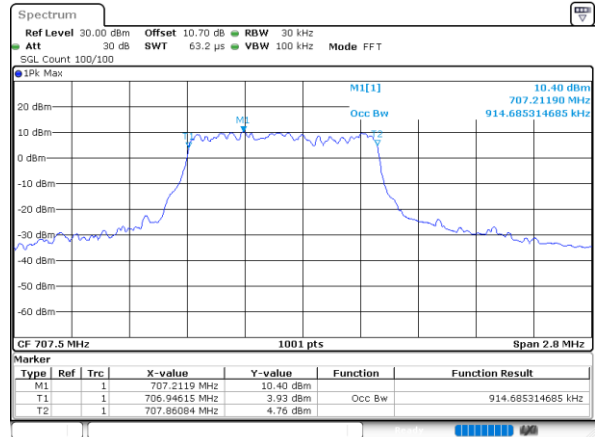


LTE Band 12

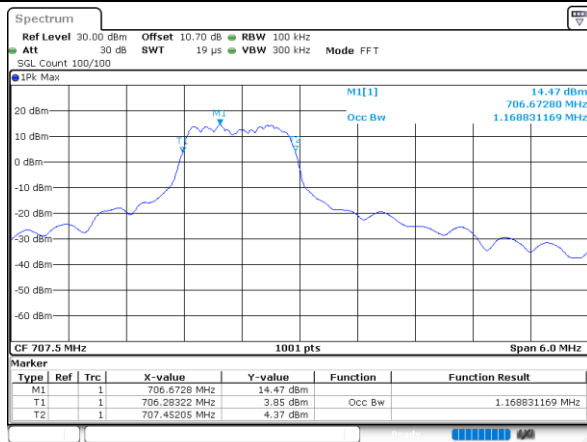
Middle Channel / 1.4MHz / QPSK



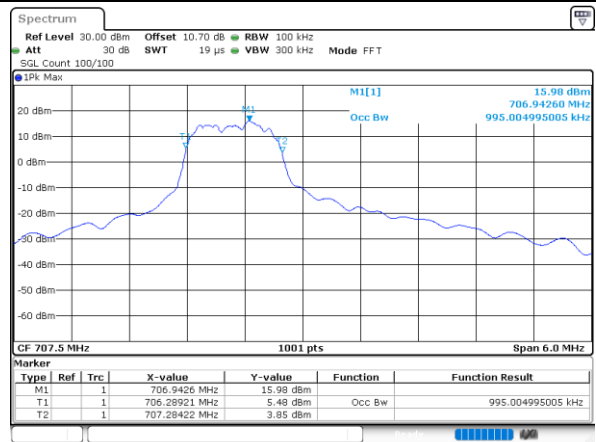
Middle Channel / 1.4MHz / 16QAM



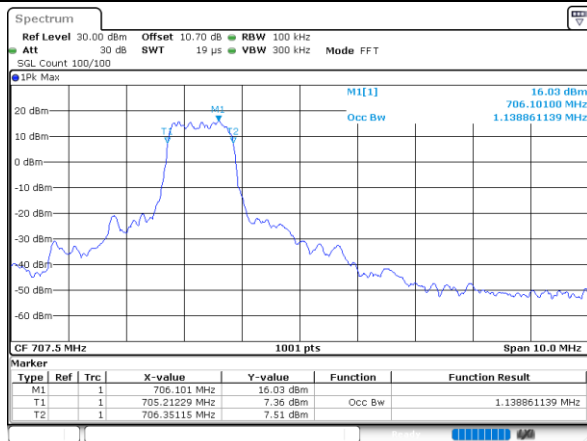
Middle Channel / 3MHz / QPSK



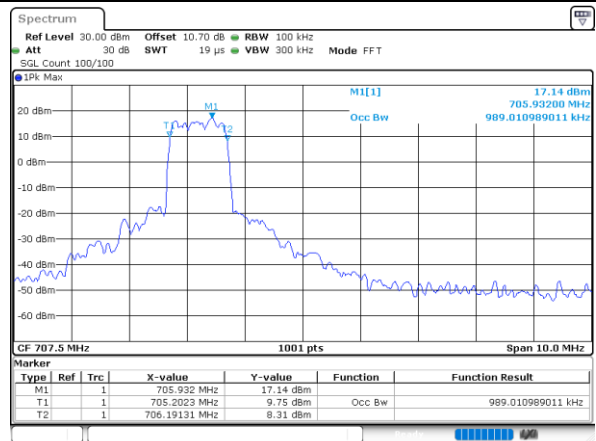
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



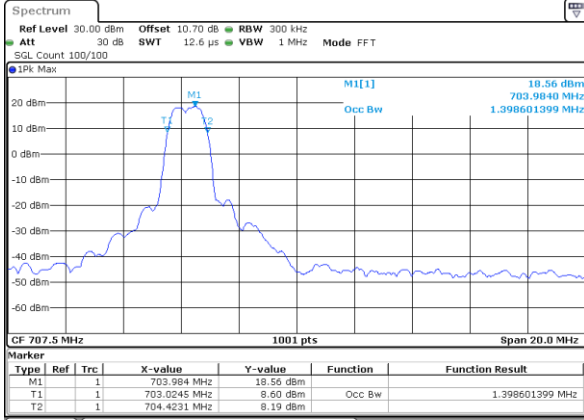
Middle Channel / 5MHz / 16QAM





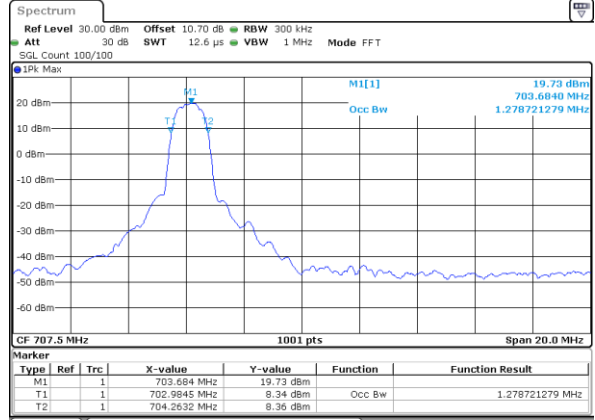
LTE Band 12

Middle Channel / 10MHz / QPSK

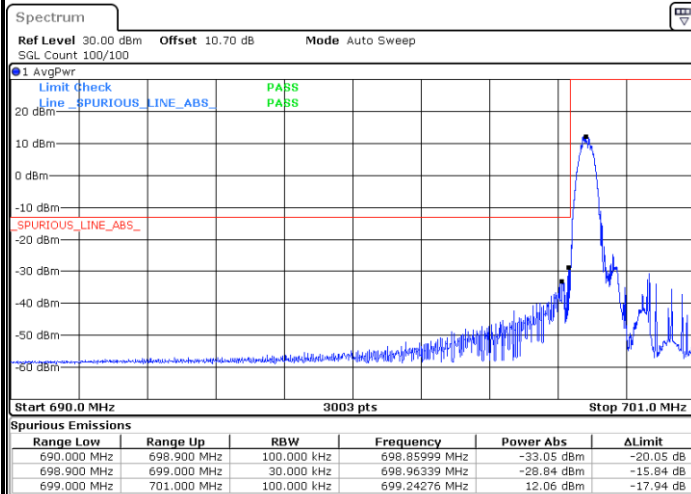
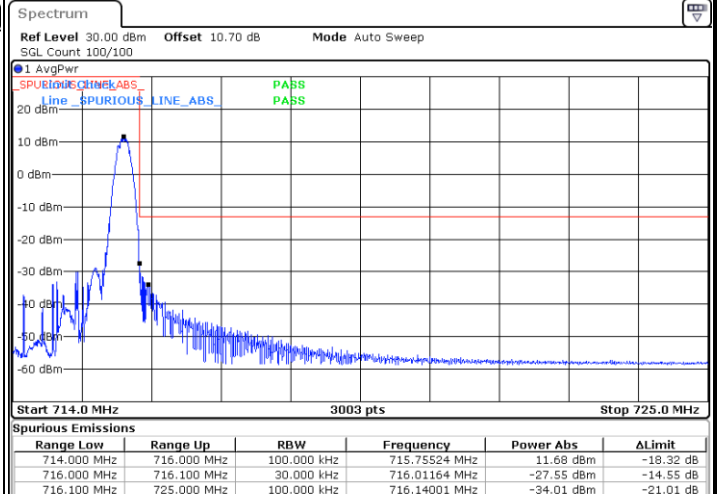
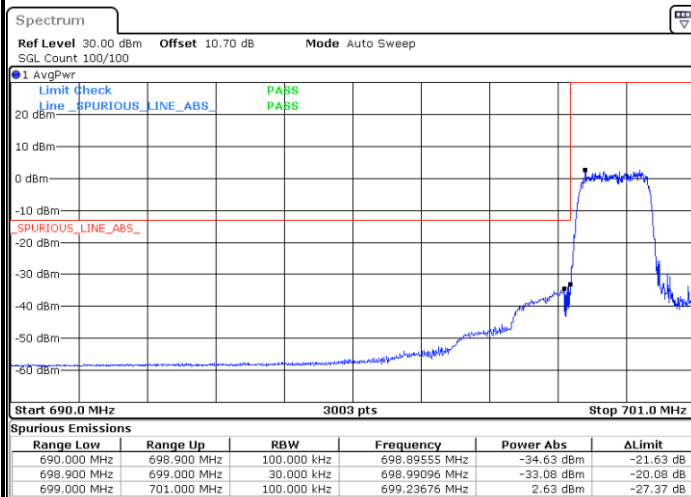


Date: 2.AUG.2024 00:32:36

Middle Channel / 10MHz / 16QAM



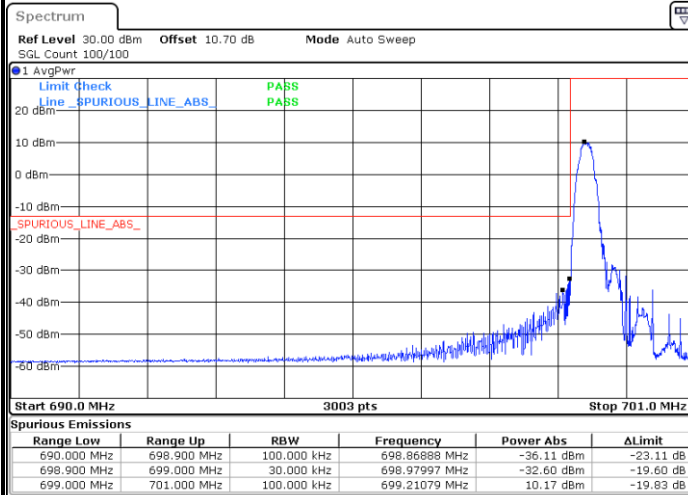
Date: 2.AUG.2024 00:31:49

**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

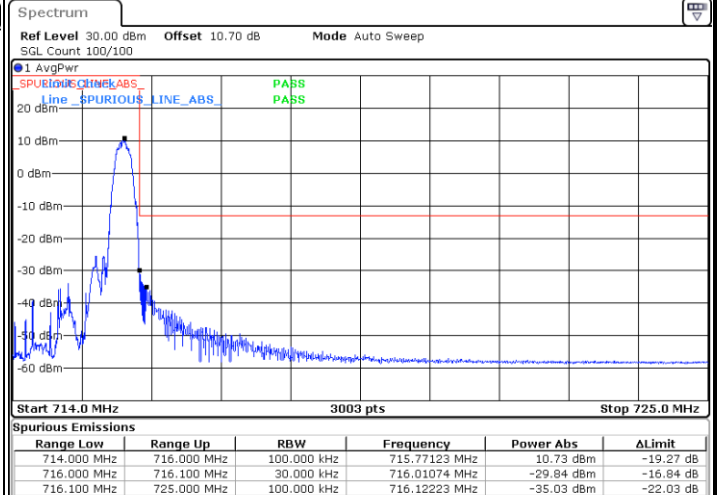


LTE Band 12 / 1.4MHz / 16QAM

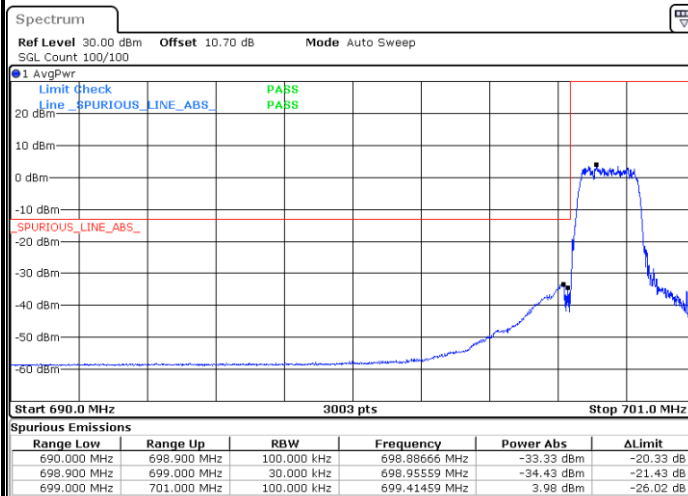
Lowest Band Edge / 1 RB



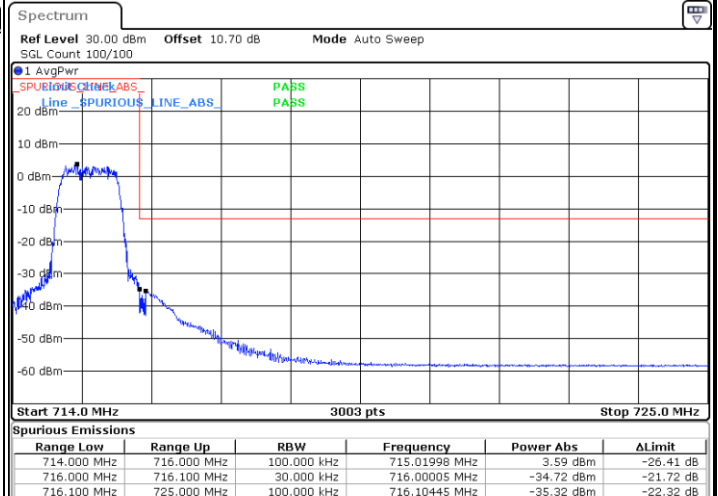
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



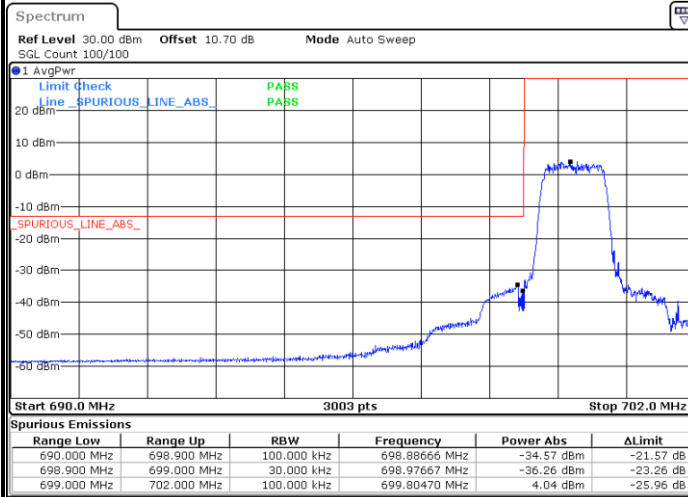
Highest Band Edge / Full RB



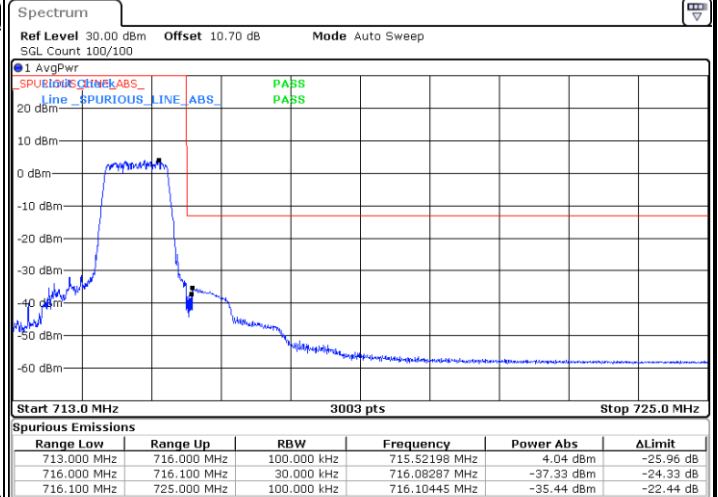


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

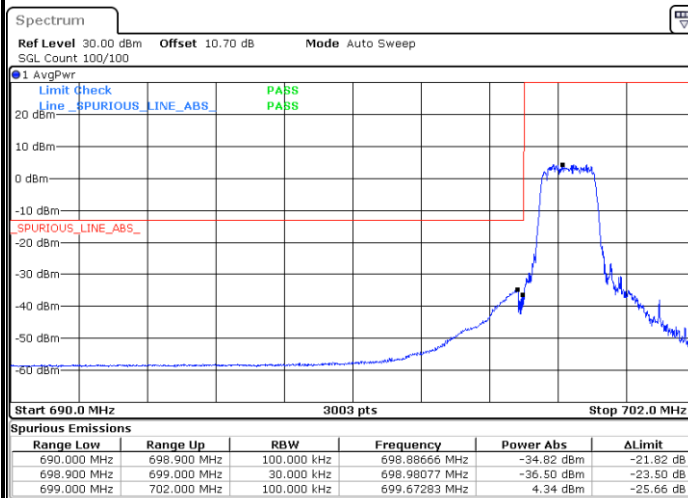


Highest Band Edge / Full RB

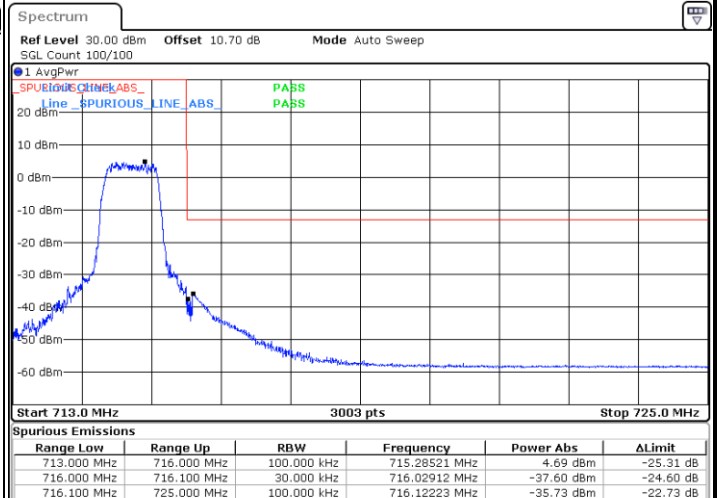


LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



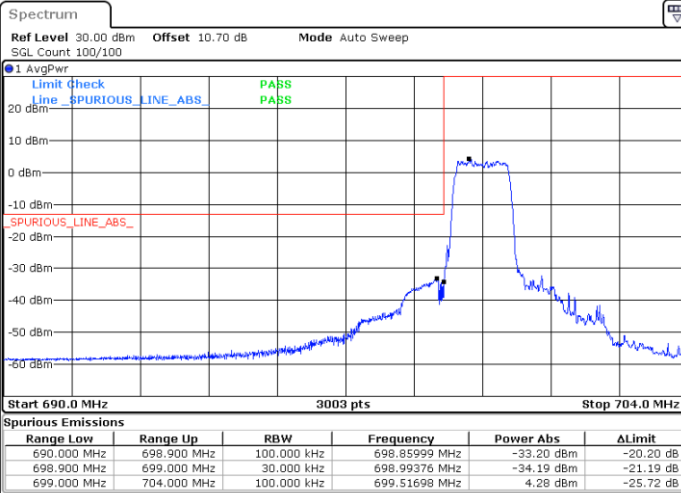
Highest Band Edge / Full RB





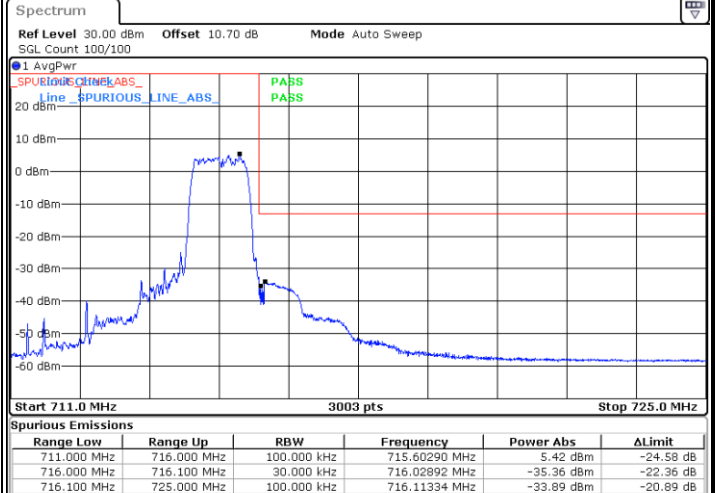
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



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

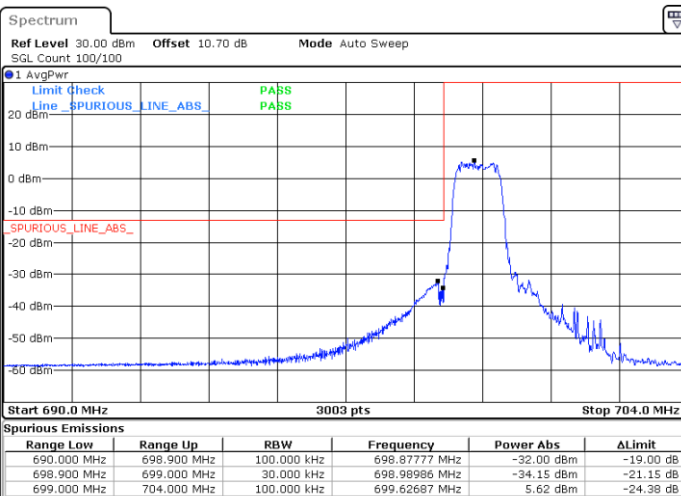
Highest Band Edge / Full RB



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

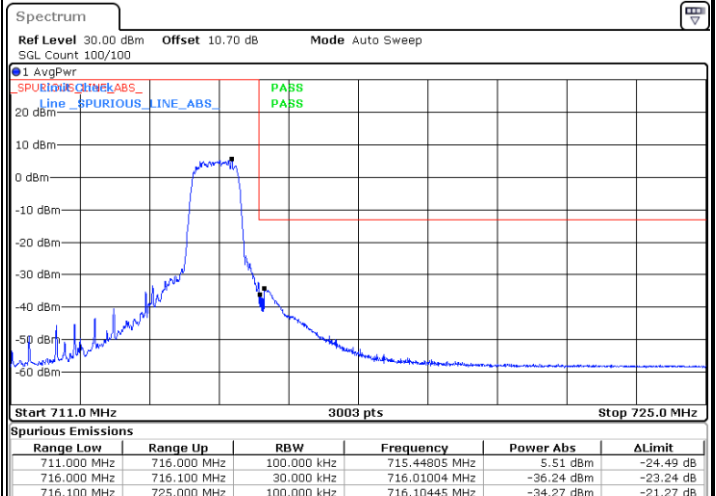
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

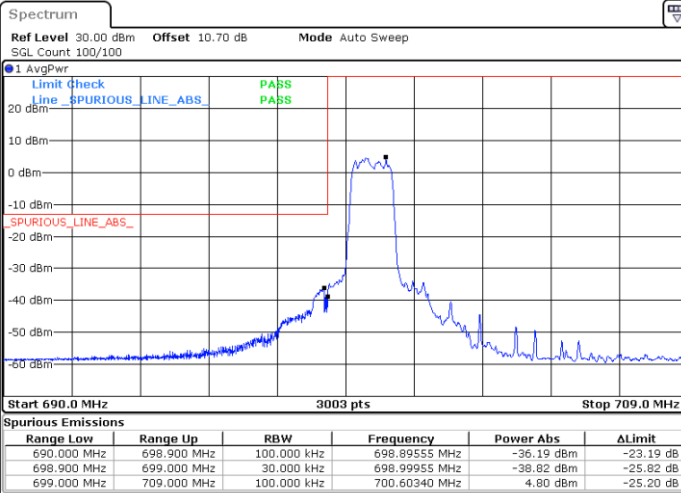


Date: 2.AUG.2024 00:29:09

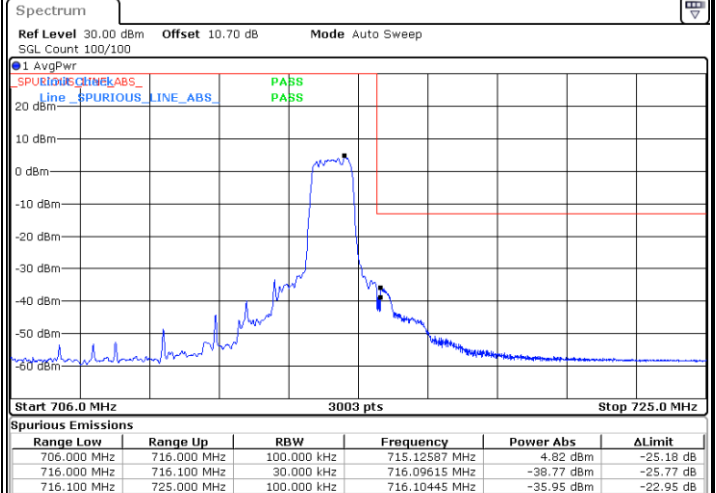


LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

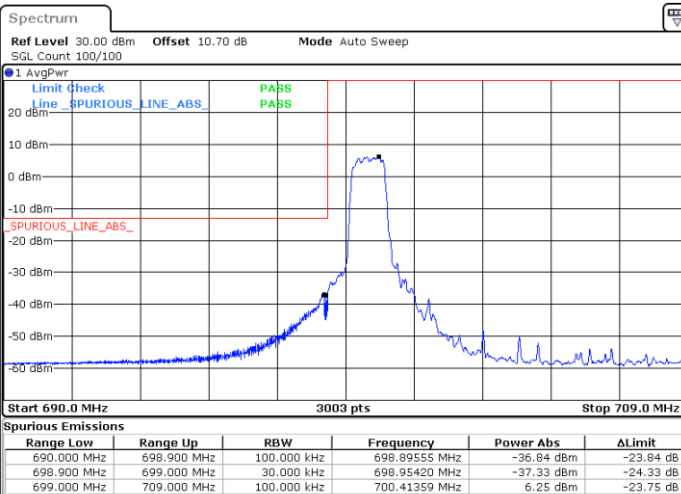


Highest Band Edge / Full RB

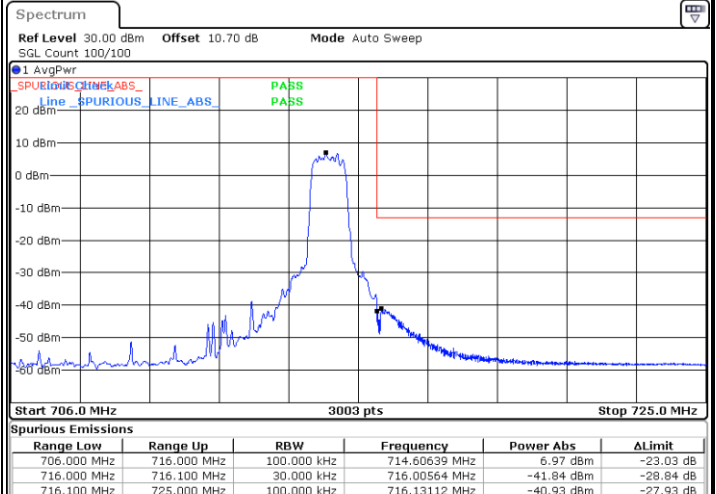


LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

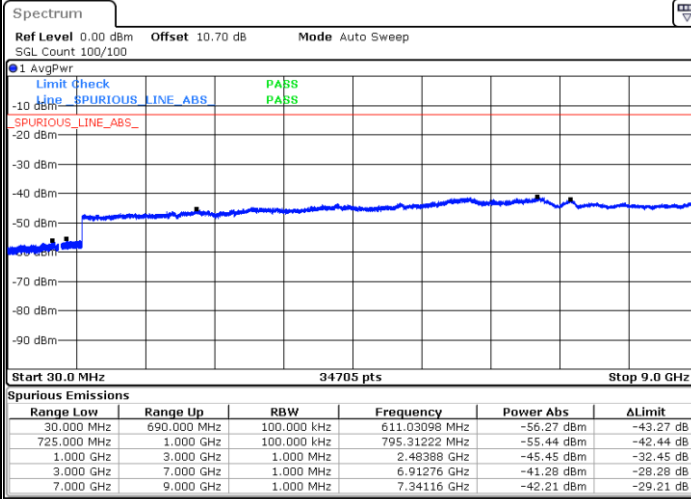




Conducted Spurious Emission

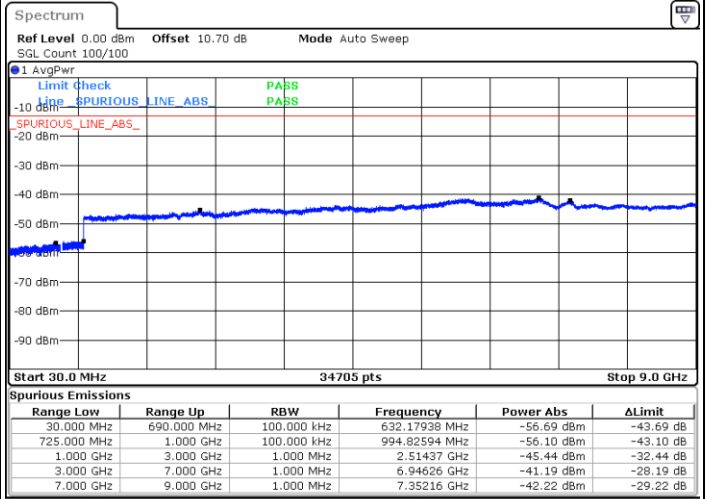
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



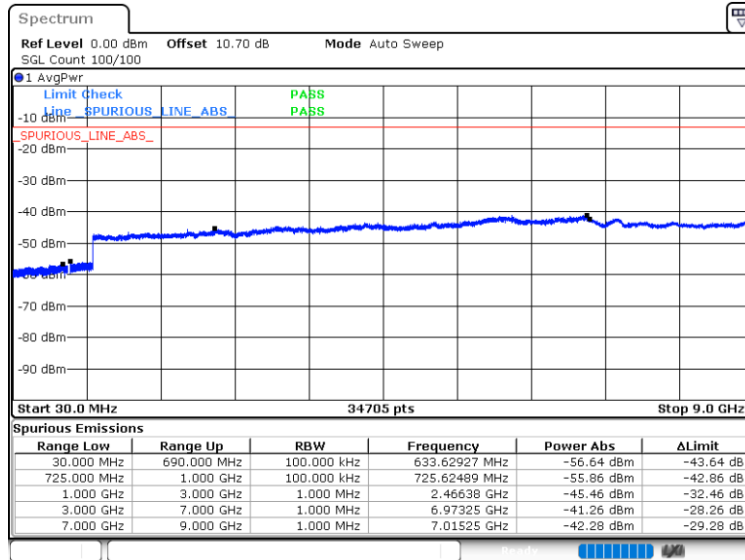
Date: 1.AUG.2024 21:38:28

Middle Channel / QPSK



Date: 1.AUG.2024 21:32:29

Highest Channel / QPSK

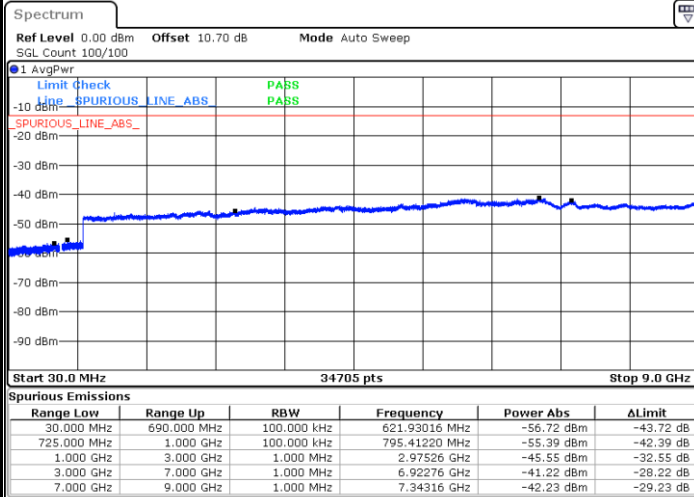


Date: 1.AUG.2024 23:00:02



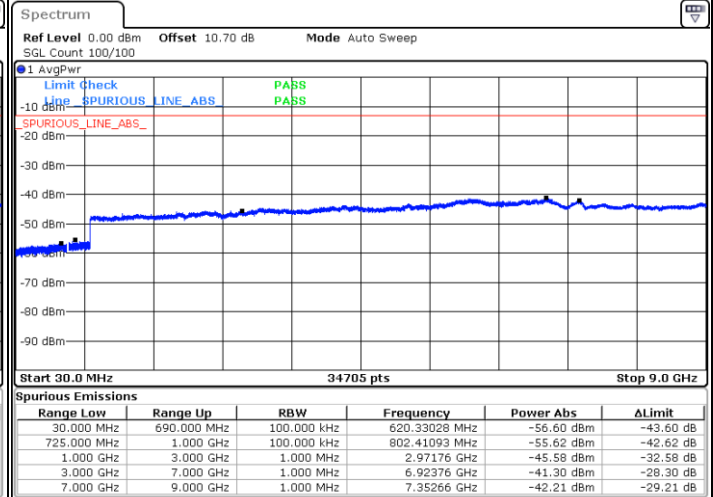
LTE Band 12 / 3MHz

Lowest Channel / QPSK



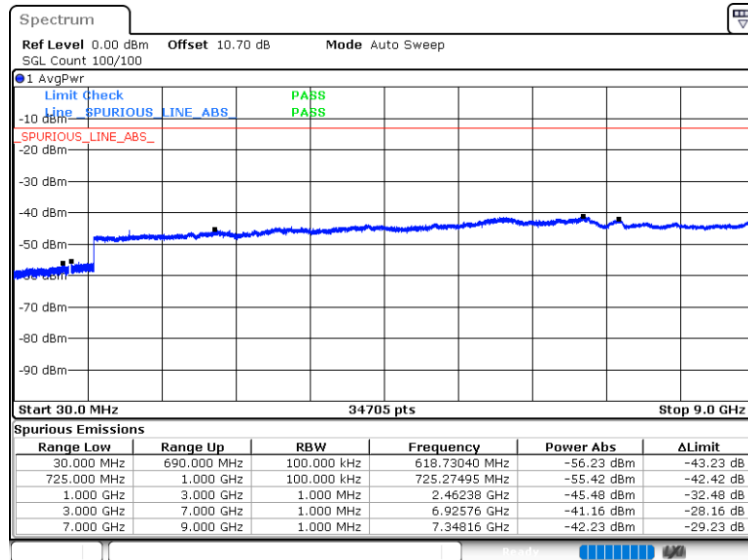
Date: 1.AUG.2024 23:12:58

Middle Channel / QPSK



Date: 1.AUG.2024 23:12:16

Highest Channel / QPSK



Date: 1.AUG.2024 23:22:14