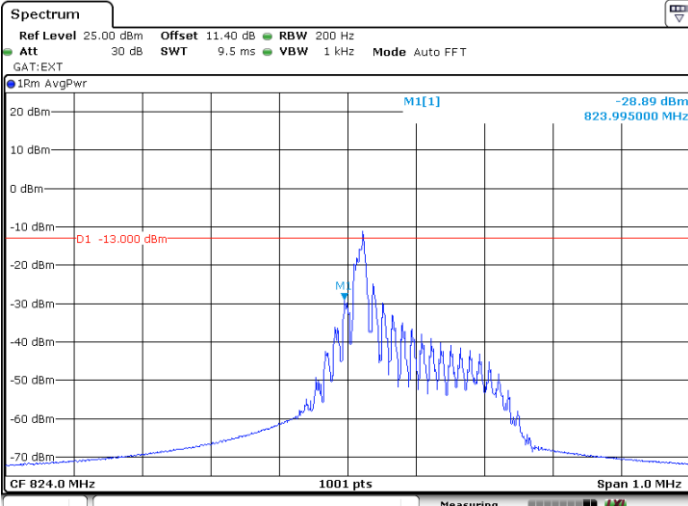




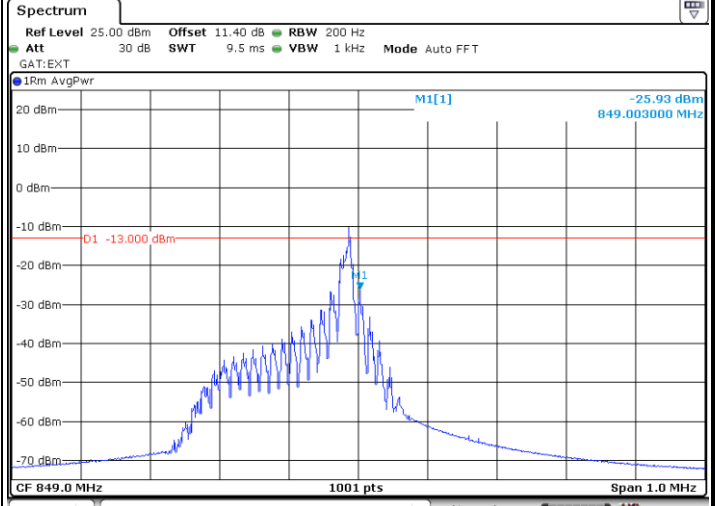
LTE Band 2 / 15kHz / BPSK

Lowest Band Edge / 1 T

Highest Band Edge / 1 T



Date: 9.AUG.2024 20:18:18

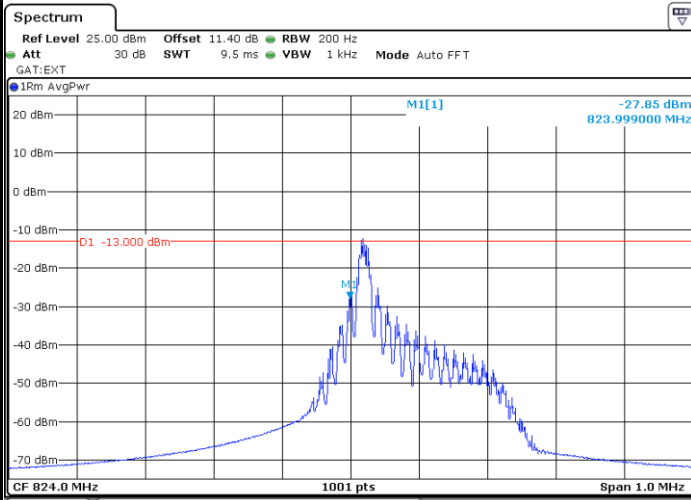


Date: 9.AUG.2024 20:25:34



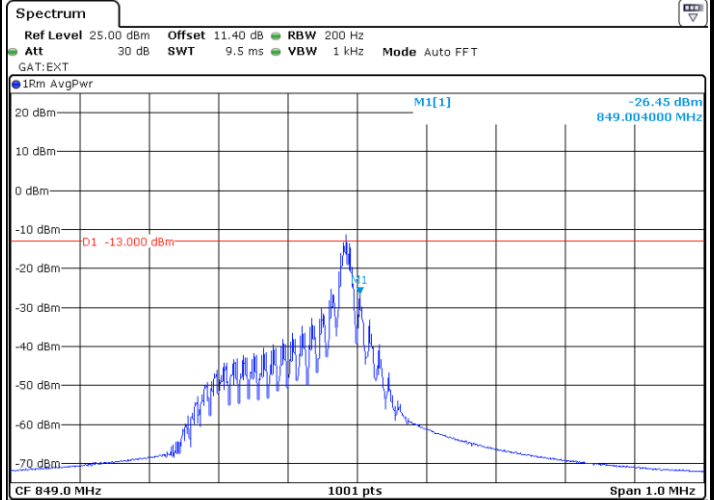
LTE Band 5 / 15kHz / QPSK

Lowest Band Edge / 1 T



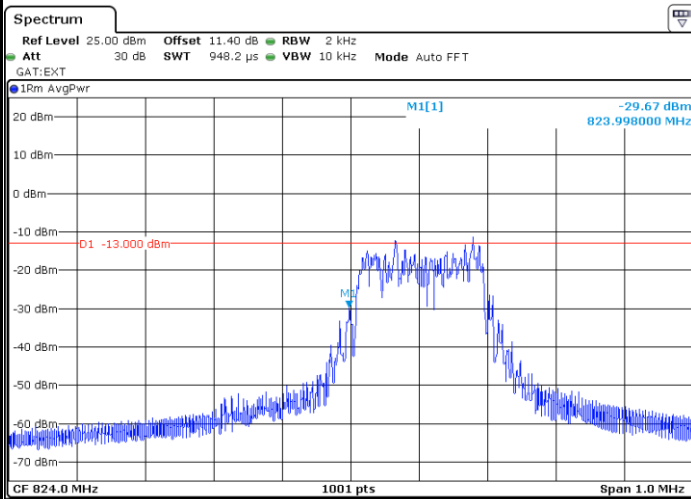
Date: 9.AUG.2024 20:20:42

Highest Band Edge / 1 T



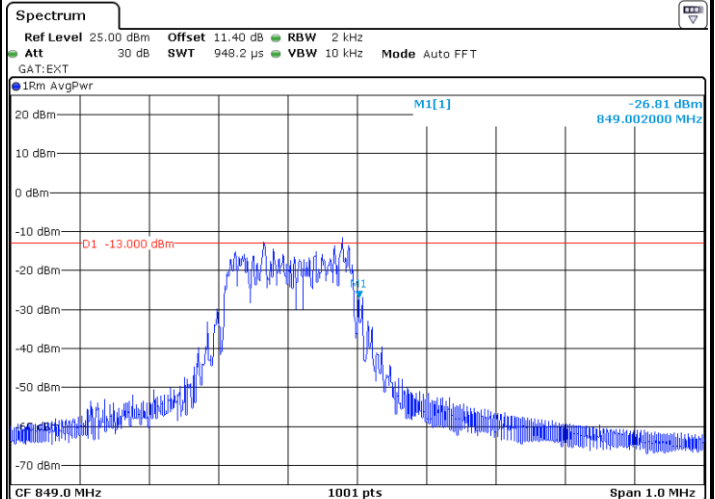
Date: 9.AUG.2024 20:22:49

Lowest Band Edge / Full T



Date: 9.AUG.2024 20:52:04

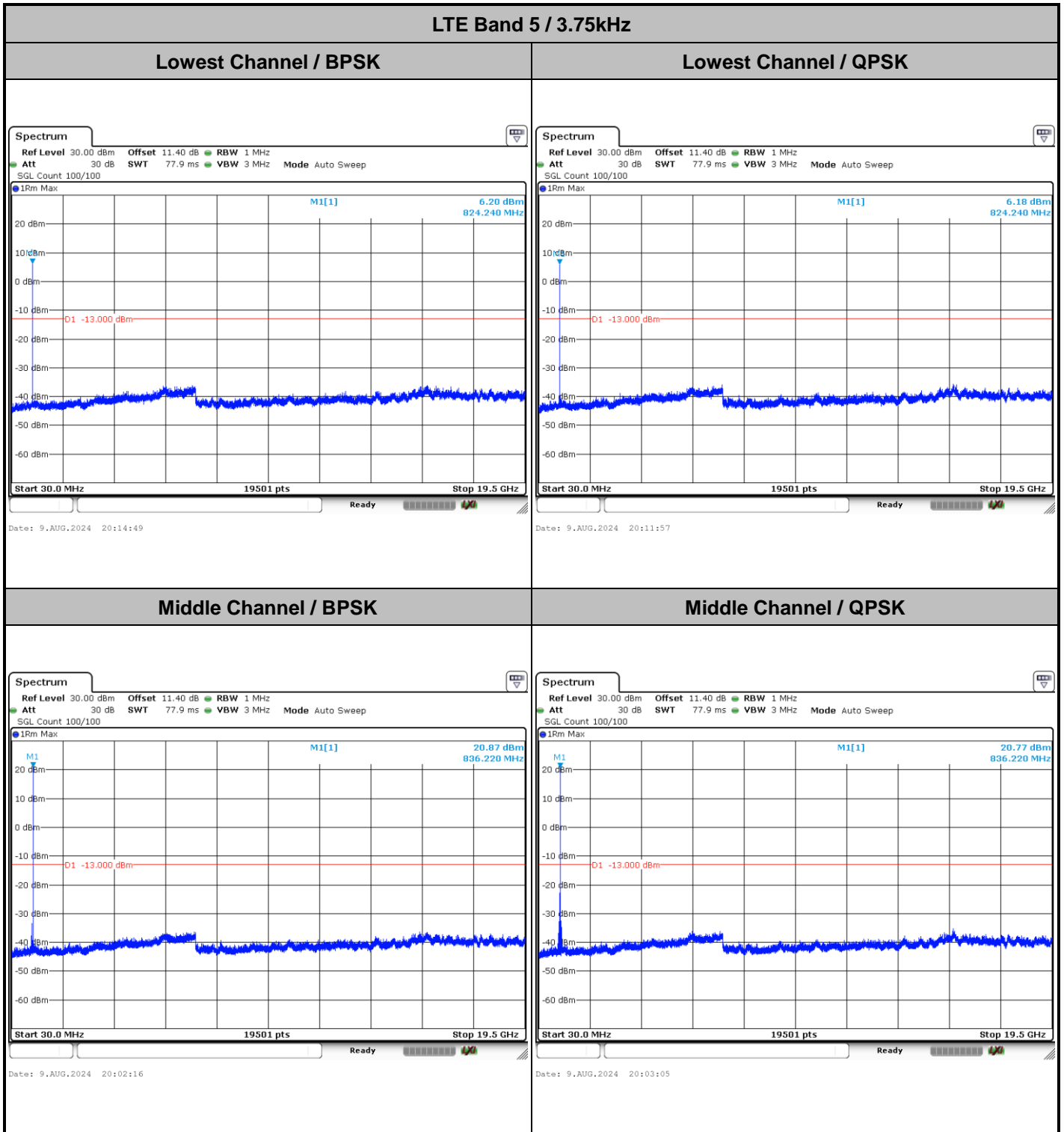
Highest Band Edge / Full T



Date: 9.AUG.2024 20:55:30



# Conducted Spurious Emission

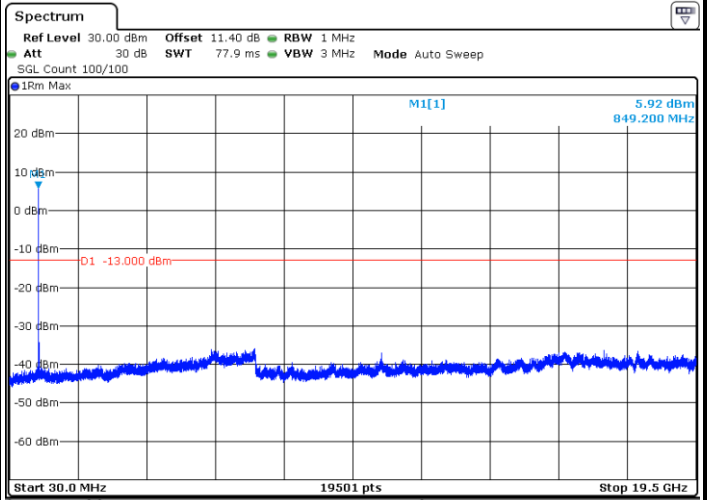
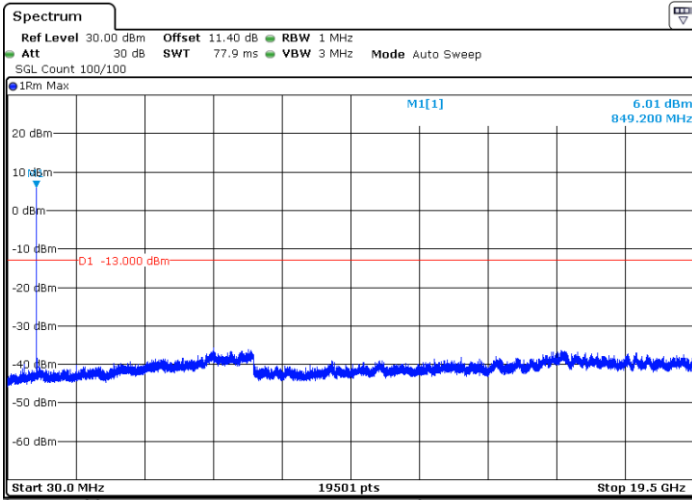




LTE Band 5 / 3.75kHz

Highest Channel / BPSK

Highest Channel / QPSK



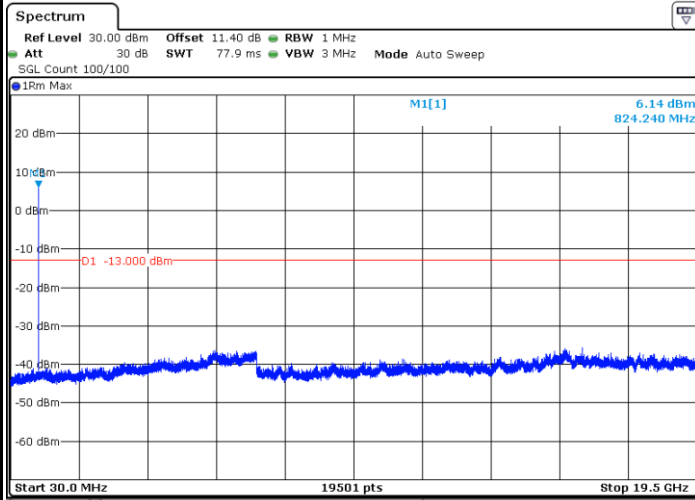
Date: 9.AUG.2024 20:00:46

Date: 9.AUG.2024 19:59:46



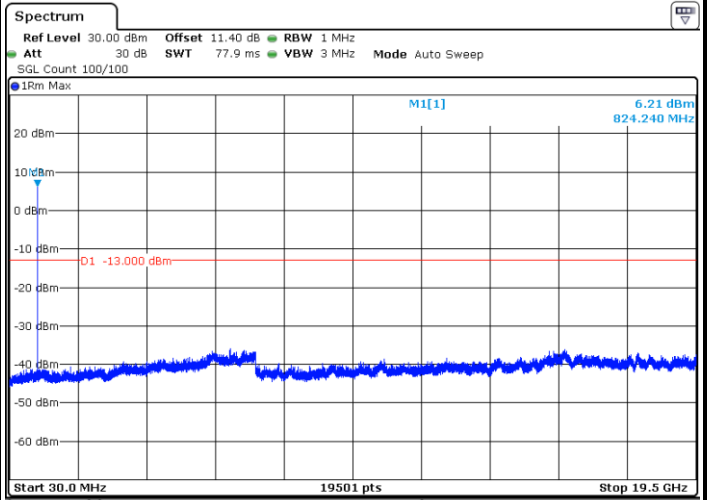
LTE Band 5 / 15kHz

Lowest Channel / BPSK



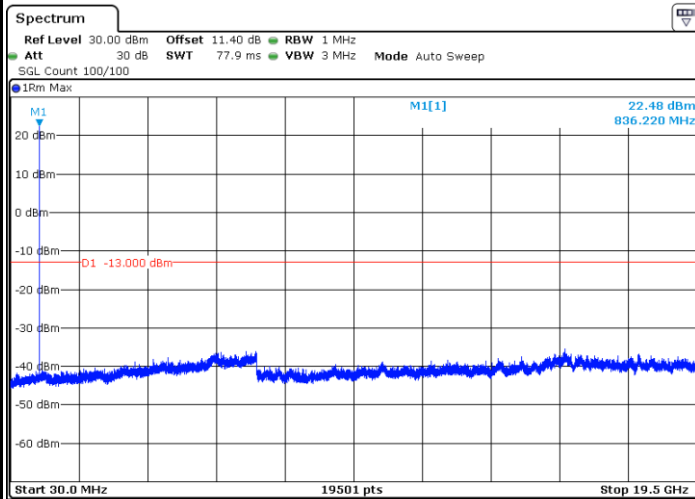
Date: 9.AUG.2024 20:34:18

Lowest Channel / QPSK



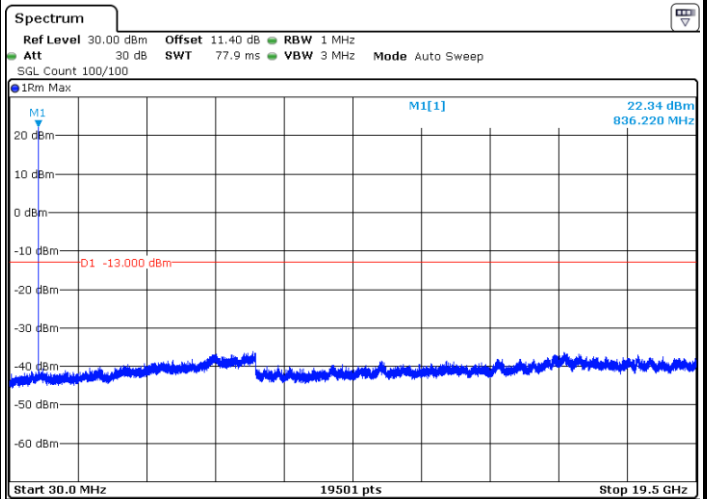
Date: 9.AUG.2024 20:35:55

Middle Channel / BPSK

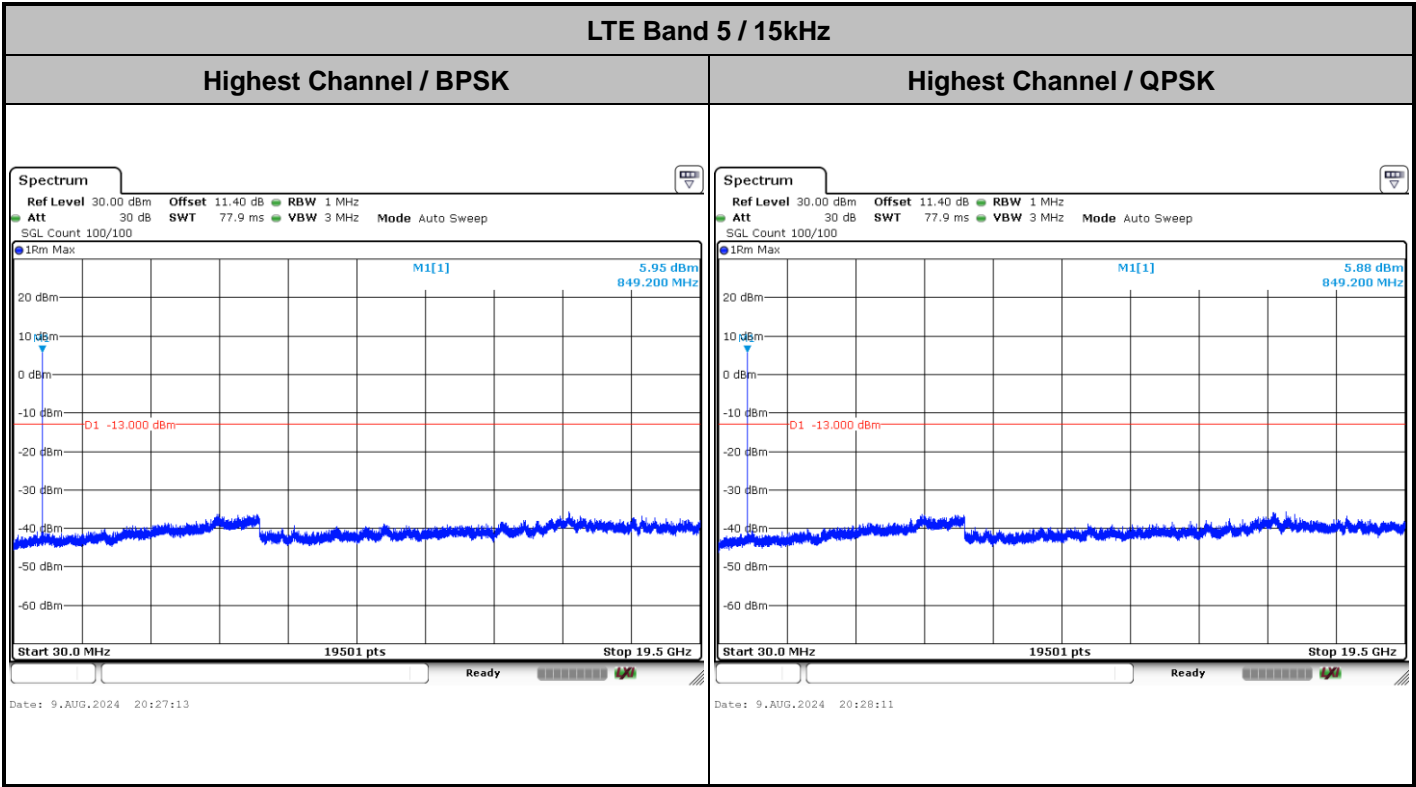


Date: 9.AUG.2024 20:32:46

Middle Channel / QPSK



Date: 9.AUG.2024 20:29:13





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0037	PASS
40	Normal Voltage	0.0145	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0115	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0130	
-20	Normal Voltage	0.0117	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0147	
20	Normal Voltage	0.0000	
20	Mimimum Voltage	0.0139	

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



## LTE Band 12

### Peak-to-Average Ratio

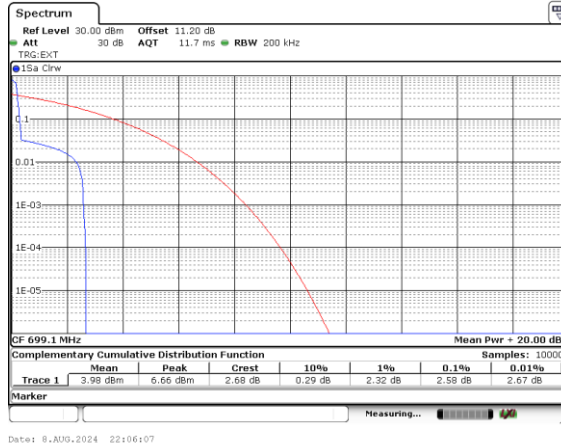
Mode	LTE Band 12 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Lowest CH	2.58	2.03	4.03	PASS
Middle CH	2.52	1.94	3.83	
Highest CH	2.52	1.97	3.86	





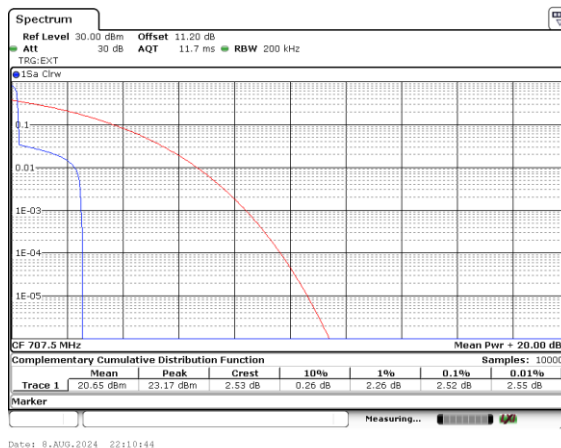
LTE Band 12 / 15kHz / BPSK

Lowest Channel / 1T



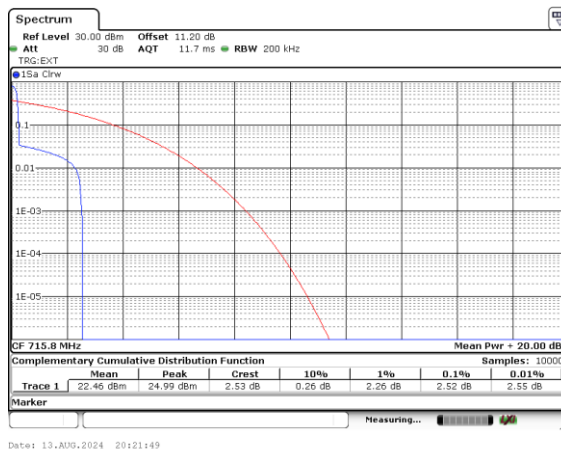
Date: 8.AUG.2024 22:06:07

Middle Channel / 1T



Date: 8.AUG.2024 22:10:44

Highest Channel / 1T

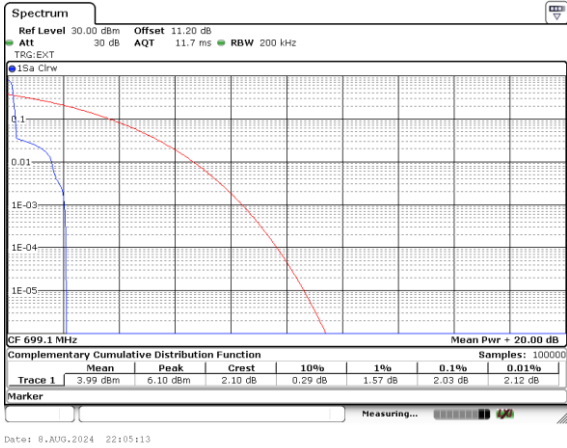


Date: 13.AUG.2024 20:21:49

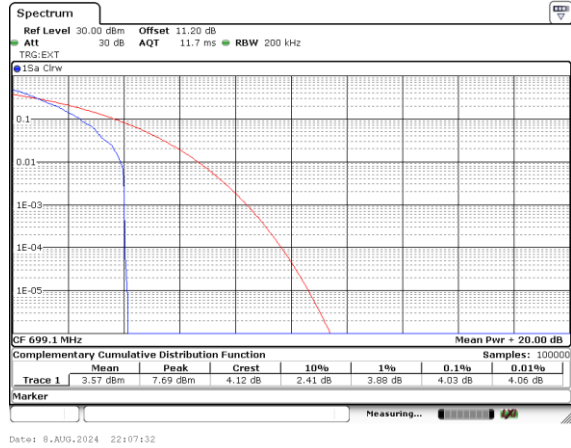


LTE Band 12 / 15kHz / QPSK

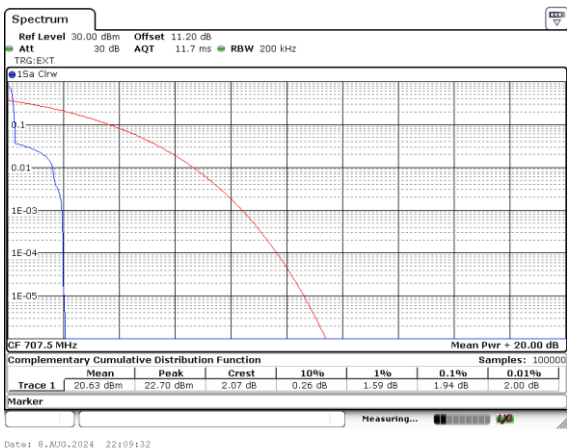
Lowest Channel / 1T



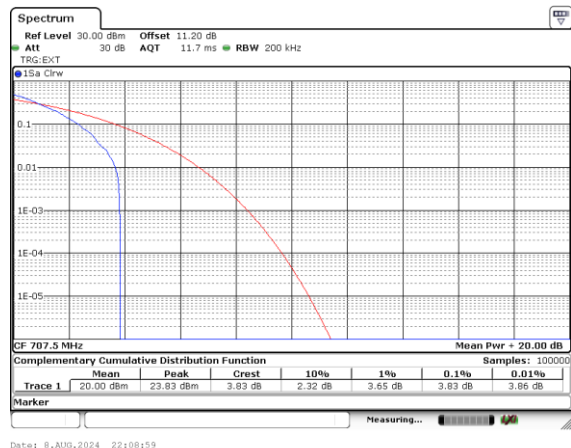
Lowest Channel / Full T



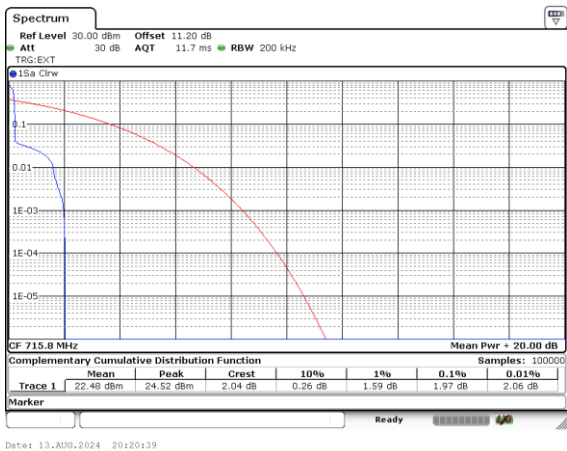
Middle Channel / 1T



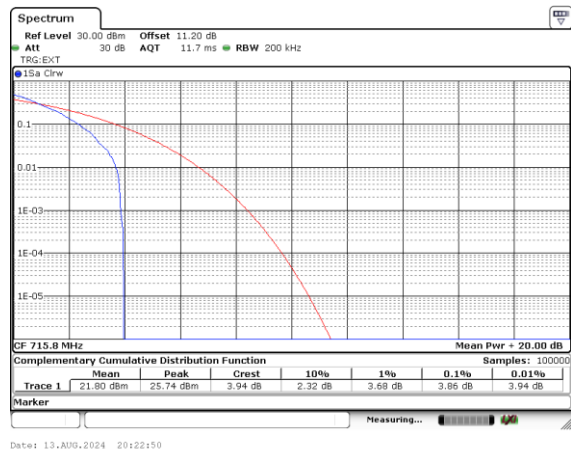
Middle Channel / Full T



Highest Channel / 1T



Highest Channel / Full T





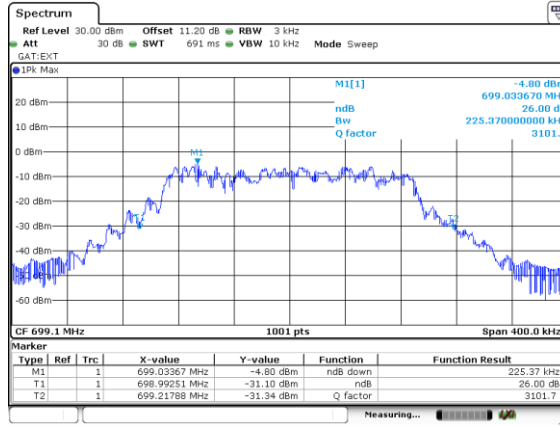
**26dB Bandwidth**

Mode	LTE Band 12 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	225.37
Middle CH	225.37
Highest CH	227.77

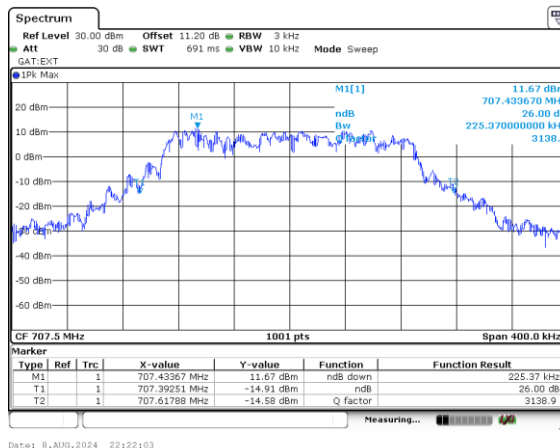


LTE Band 12

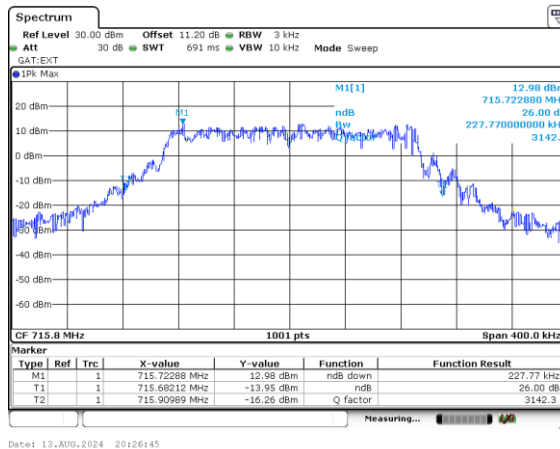
Lowest Channel / 15kHz / QPSK



Middle Channel / 15kHz / QPSK



Highest Channel / 15kHz / QPSK





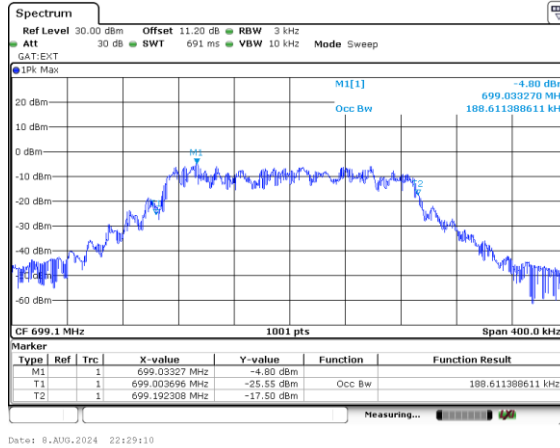
**Occupied Bandwidth**

Mode	LTE Band 12 : OB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	188.61
Middle CH	185.01
Highest CH	190.21



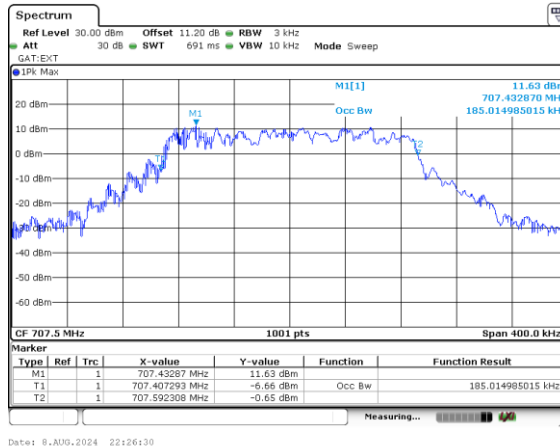
LTE Band 12

Lowest Channel / 15kHz / QPSK



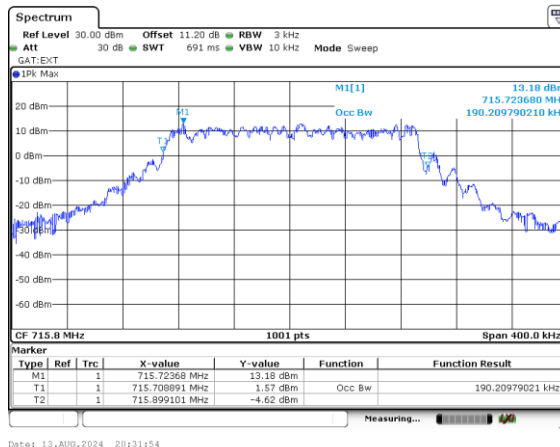
Date: 8.AUG.2024 22:29:10

Middle Channel / 15kHz / QPSK



Date: 8.AUG.2024 22:26:30

Highest Channel / 15kHz / QPSK



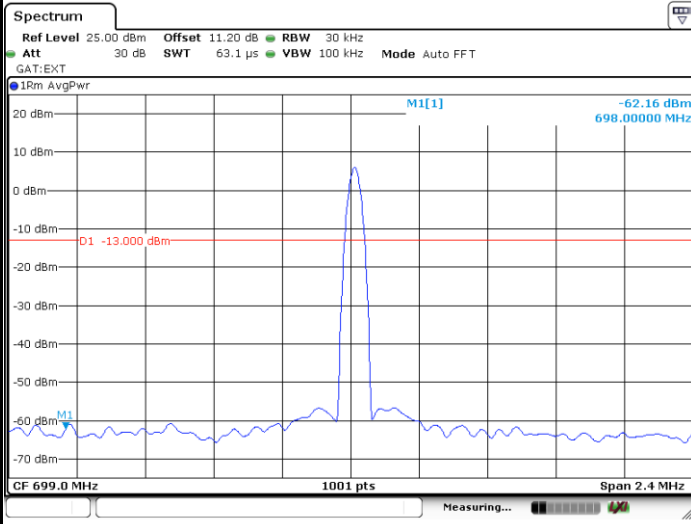
Date: 13.AUG.2024 20:31:54



# Conducted Band Edge

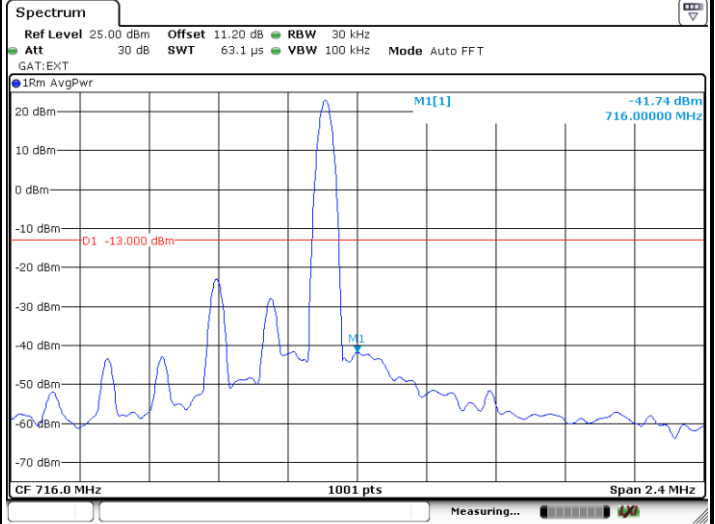
## LTE Band 12 / 3.75kHz / BPSK

### Lowest Band Edge / 1 T



Date: 8.AUG.2024 21:37:14

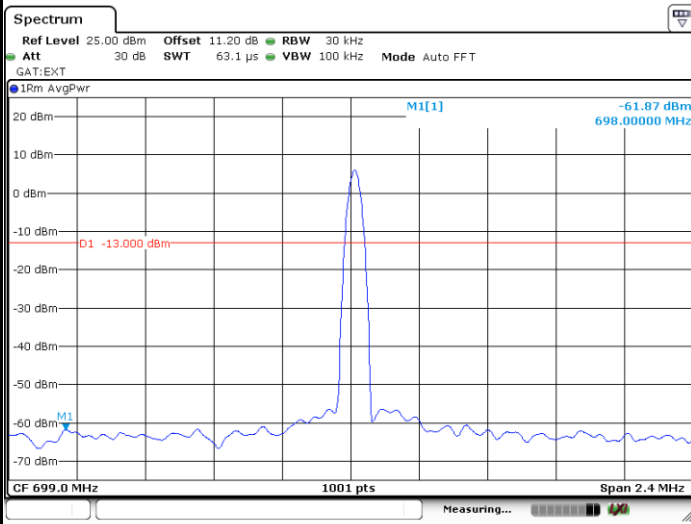
### Highest Band Edge / 1 T



Date: 13.AUG.2024 20:07:29

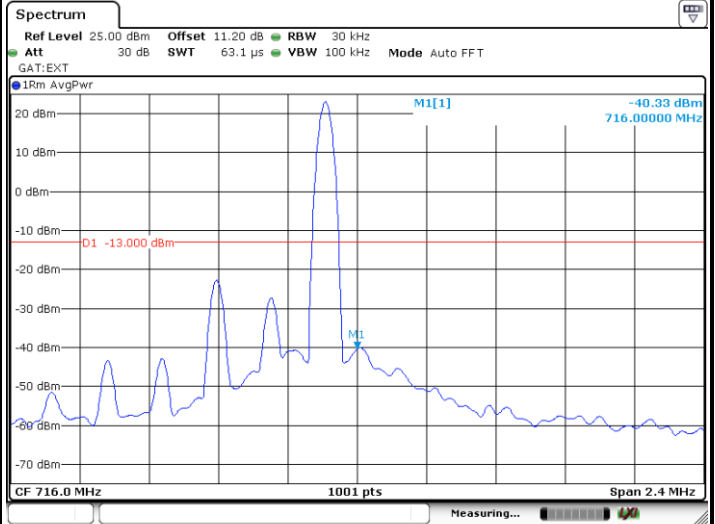
## LTE Band 12 / 3.75kHz / QPSK

### Lowest Band Edge / 1 T



Date: 8.AUG.2024 21:36:00

### Highest Band Edge / 1 T



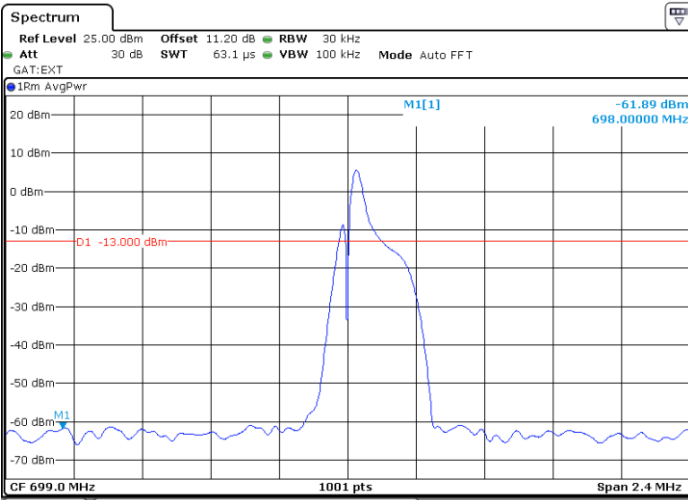
Date: 13.AUG.2024 20:05:51



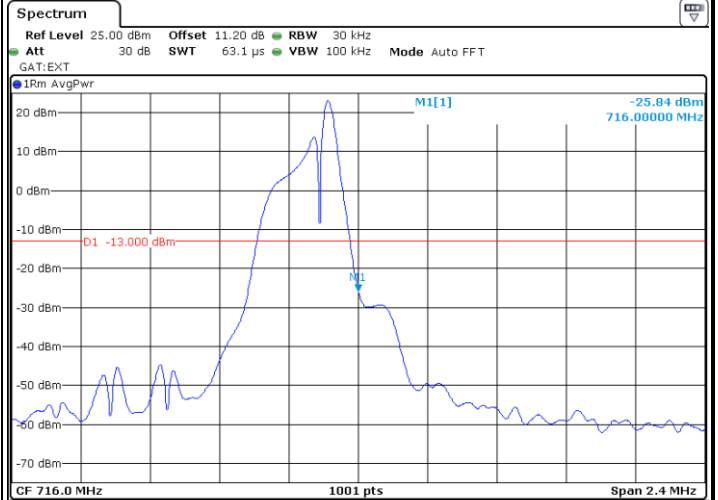
LTE Band 2 / 15kHz / BPSK

Lowest Band Edge / 1 T

Highest Band Edge / 1 T



Date: 8.AUG.2024 22:00:50



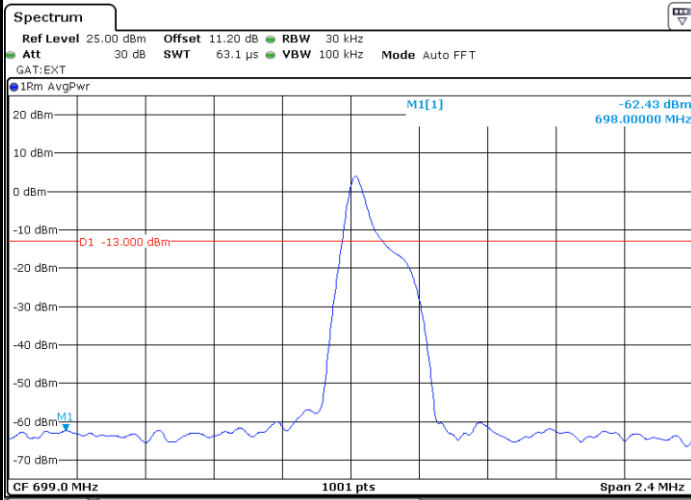
Date: 13.AUG.2024 20:17:12



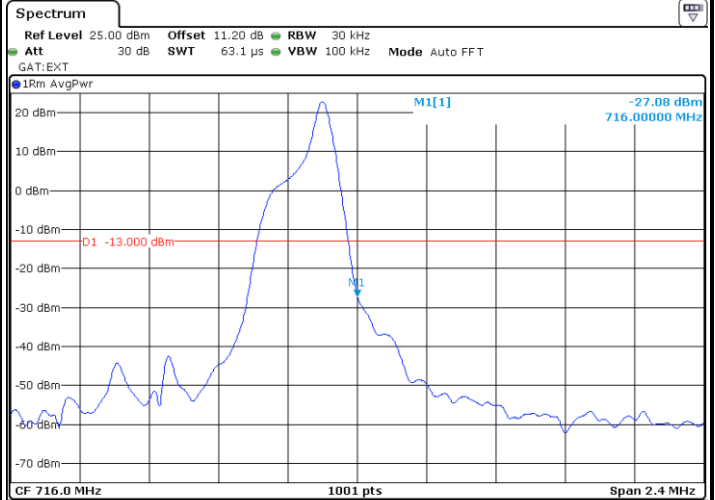


LTE Band 2 / 15kHz / QPSK

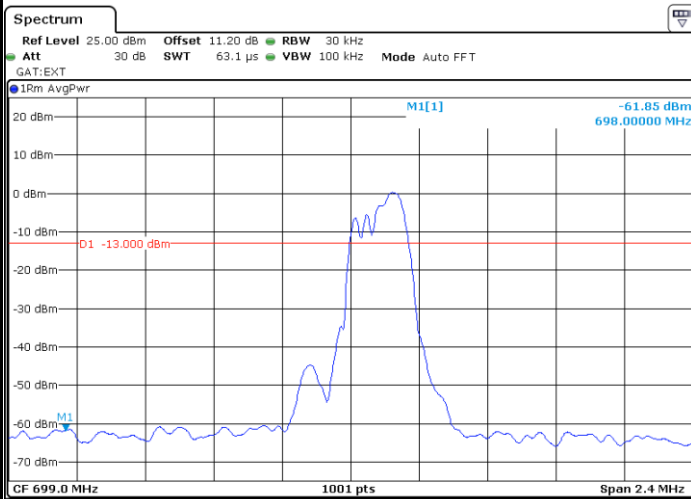
Lowest Band Edge / 1 T



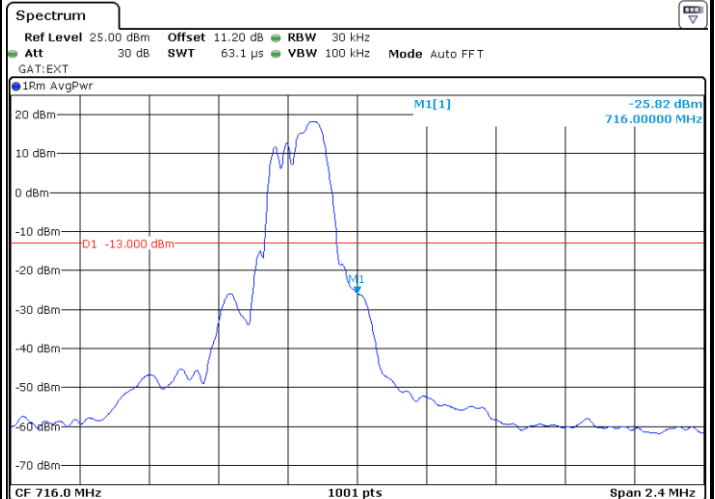
Highest Band Edge / 1 T



Lowest Band Edge / Full T

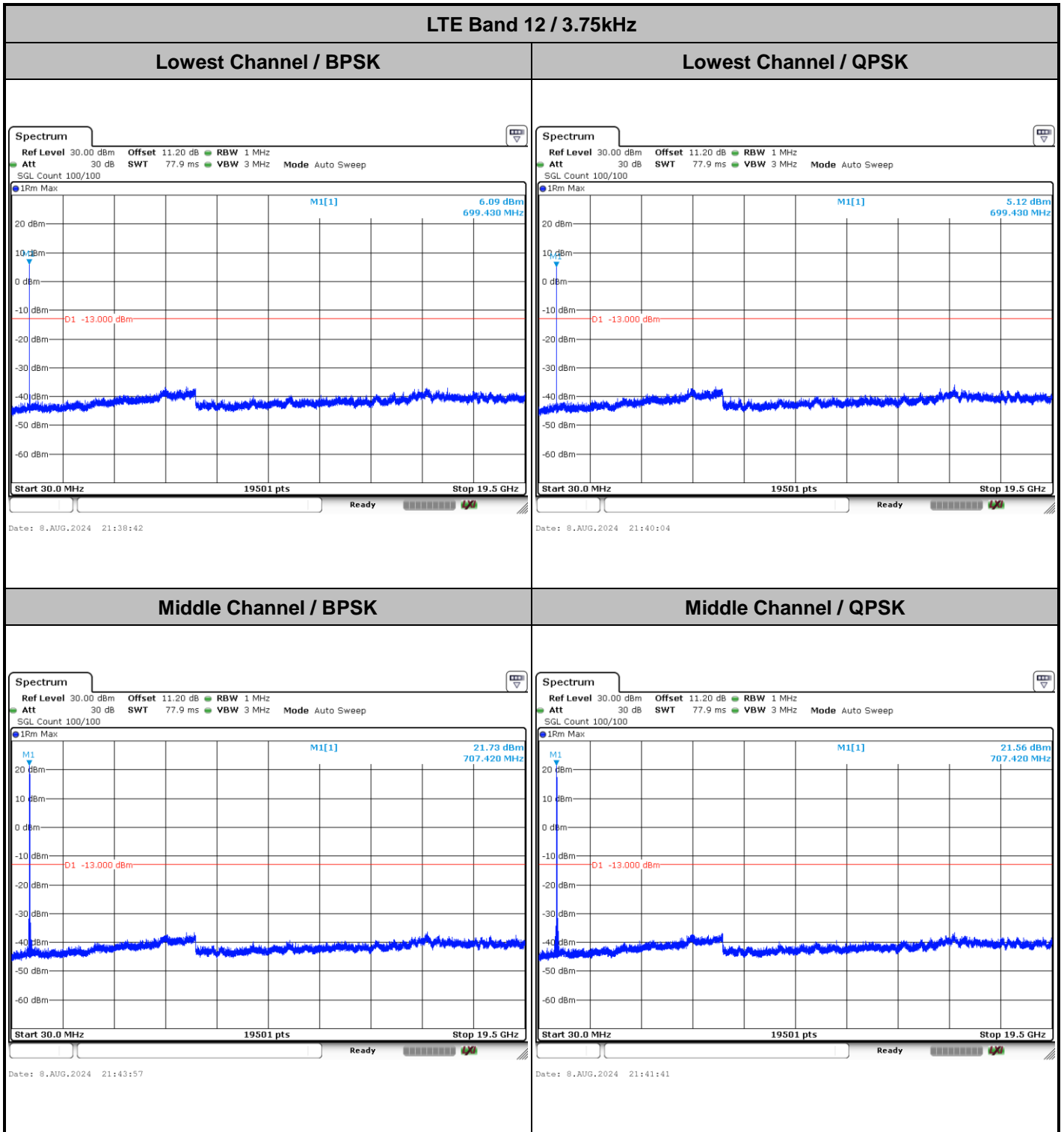


Highest Band Edge / Full T





# Conducted Spurious Emission

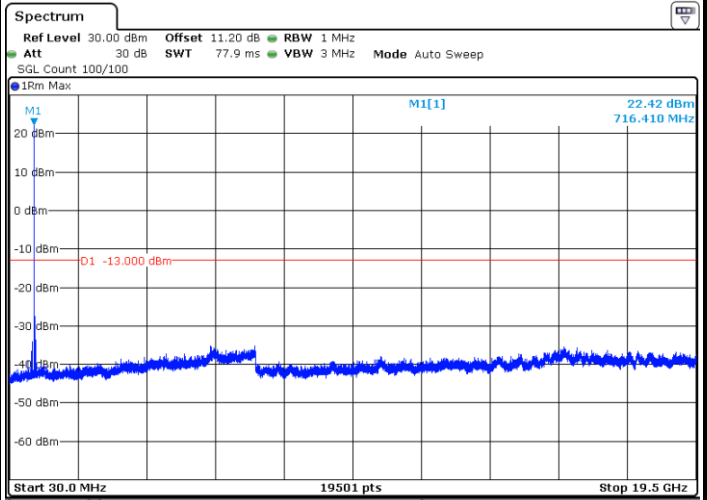
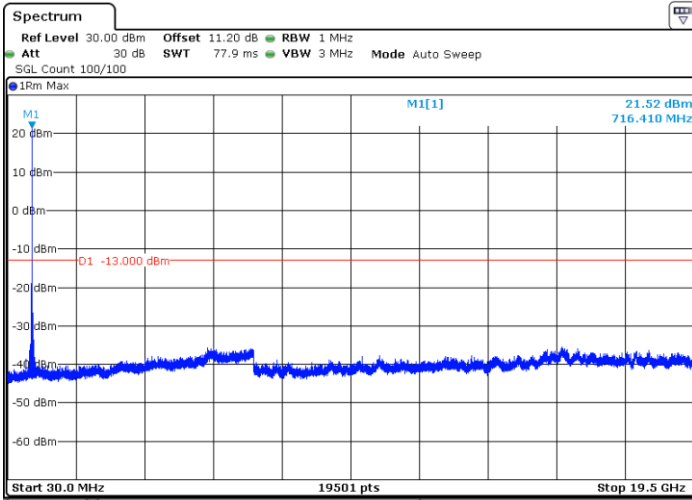




LTE Band 12 / 3.75kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 13.AUG.2024 20:09:12

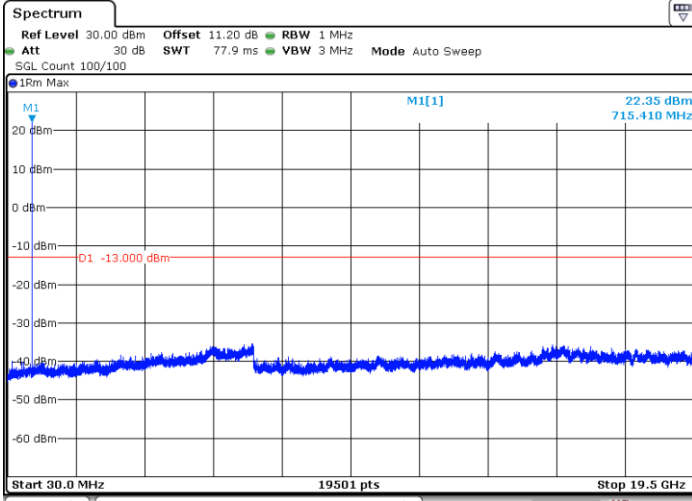
Date: 13.AUG.2024 20:10:37



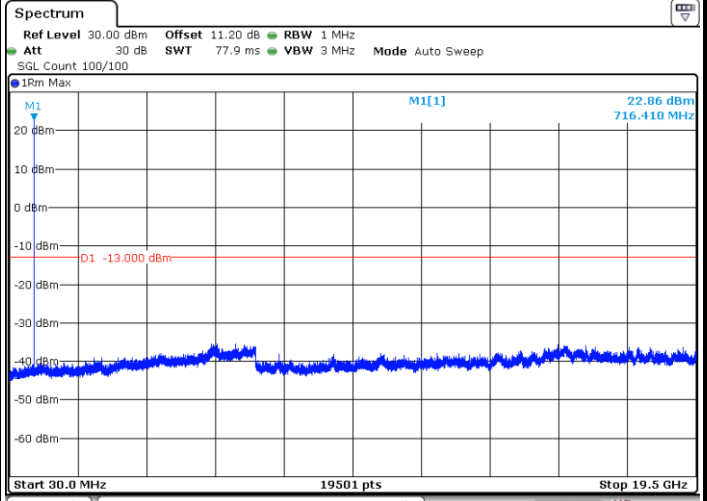
LTE Band 12 / 15kHz

Lowest Channel / BPSK

Lowest Channel / QPSK



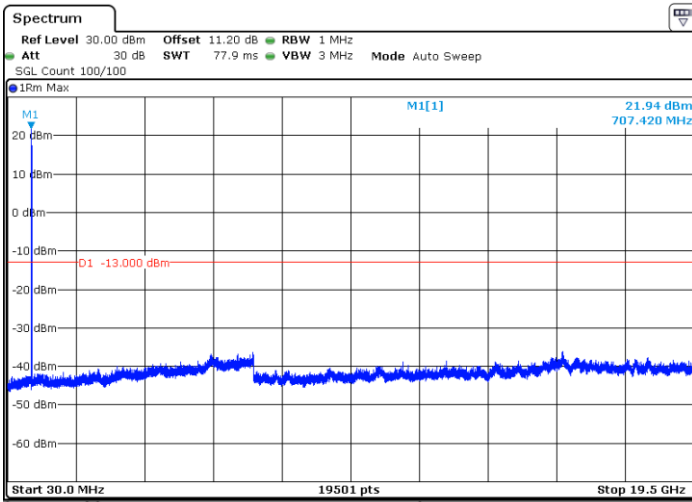
Date: 13.AUG.2024 20:14:53



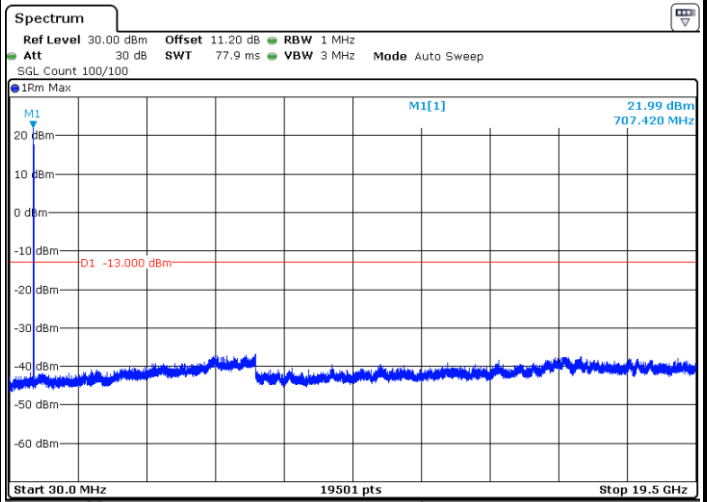
Date: 13.AUG.2024 20:13:28

Middle Channel / BPSK

Middle Channel / QPSK



Date: 8.AUG.2024 21:58:57



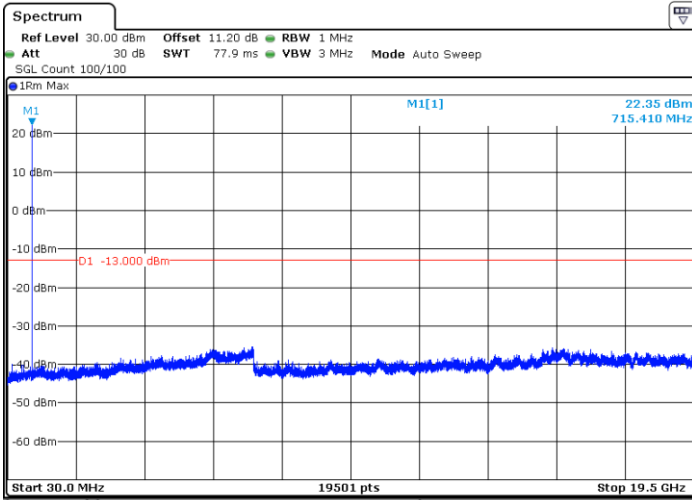
Date: 8.AUG.2024 21:57:12



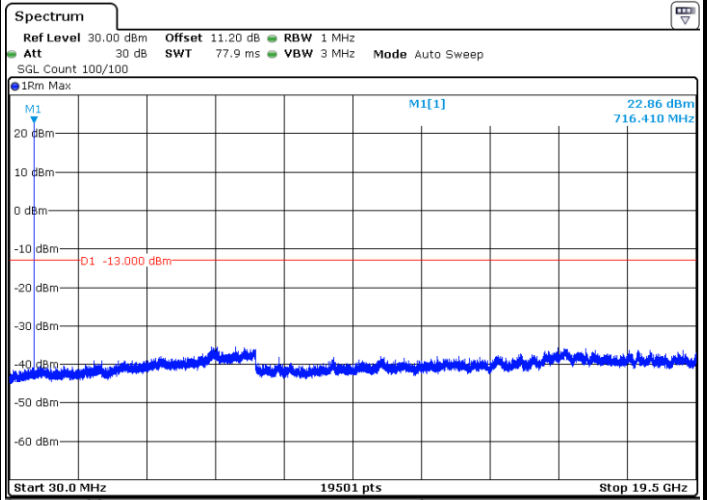
LTE Band 12 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 13.AUG.2024 20:14:53



Date: 13.AUG.2024 20:13:28



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0114	
30	Normal Voltage	0.0204	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0201	
-10	Normal Voltage	0.0064	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0127	
20	Normal Voltage	0.0000	
20	Mimimum Voltage	0.0134	

Note:

1. Normal Voltage = 110 V. ; Mimimum Voltage = 90 V. ; Maximum Voltage = 264 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 13

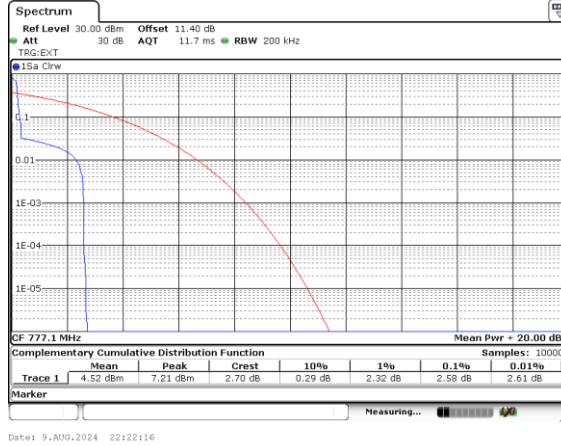
## Peak-to-Average Ratio

Mode	LTE Band 13 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Lowest CH	2.58	2.03	4.52	<b>PASS</b>
Middle CH	2.52	2.00	4.26	
Highest CH	2.61	2.03	4.52	

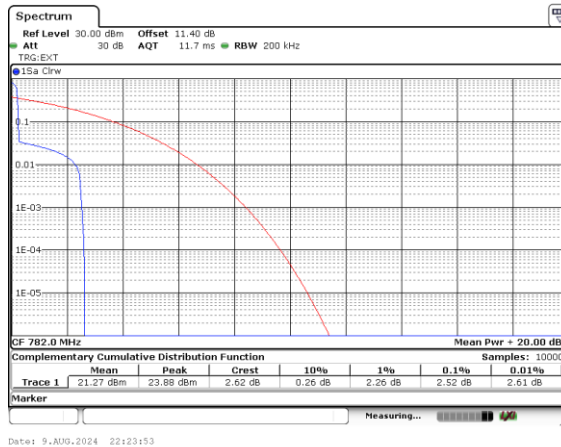


LTE Band 13 / 15kHz / BPSK

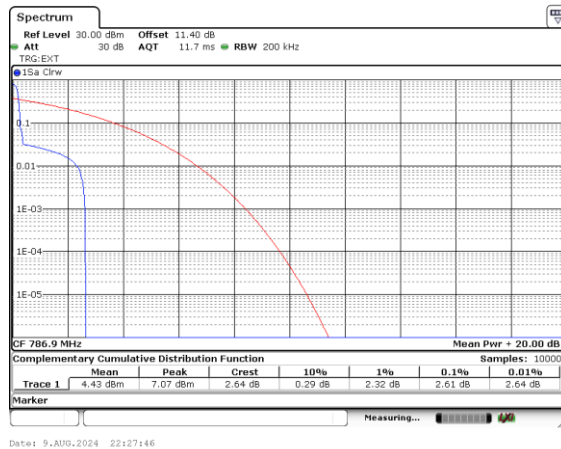
Lowest Channel / 1T



Middle Channel / 1T



Highest Channel / 1T

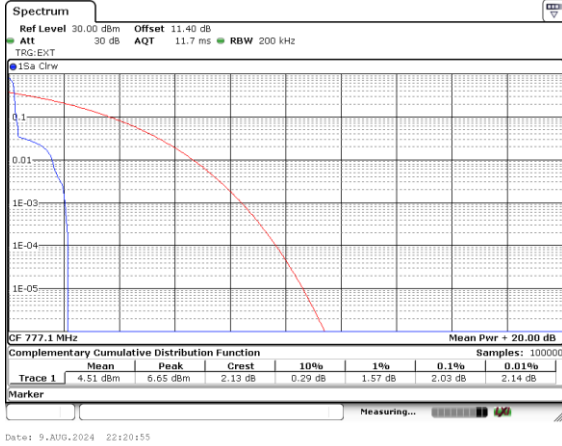




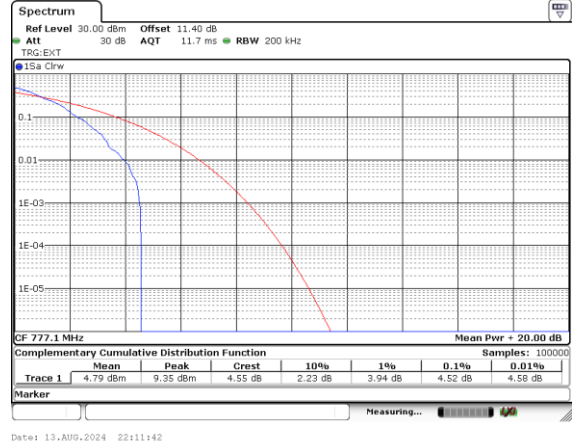


LTE Band 13 / 10MHz / QPSK

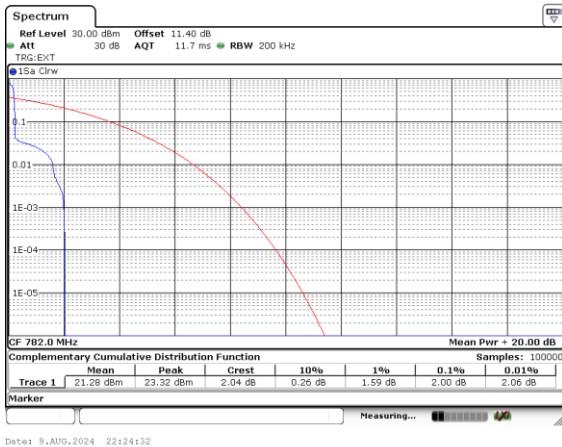
Lowest Channel / 1T



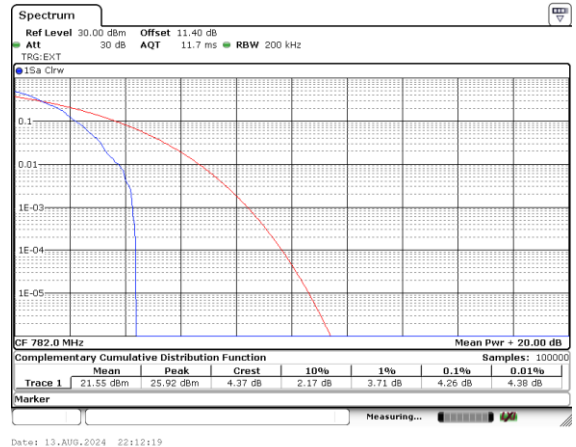
Lowest Channel / Full T



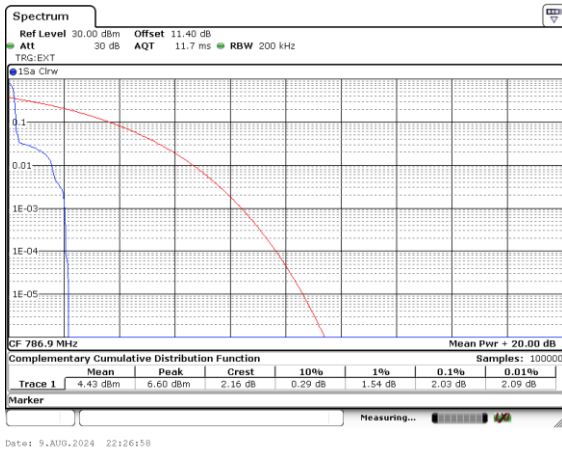
Middle Channel/ 1T



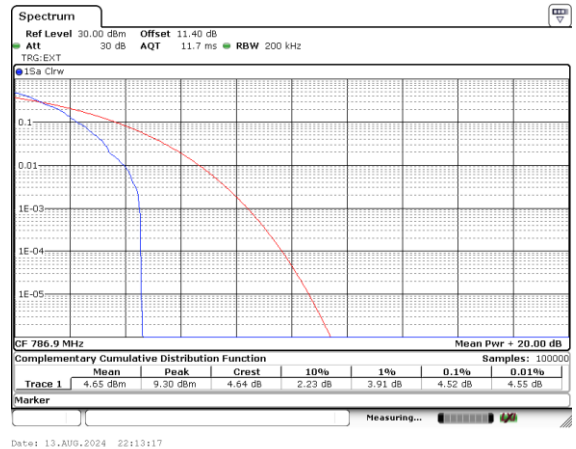
Middle Channel / Full T



Highest Channel/ 1T



Highest Channel / Full T





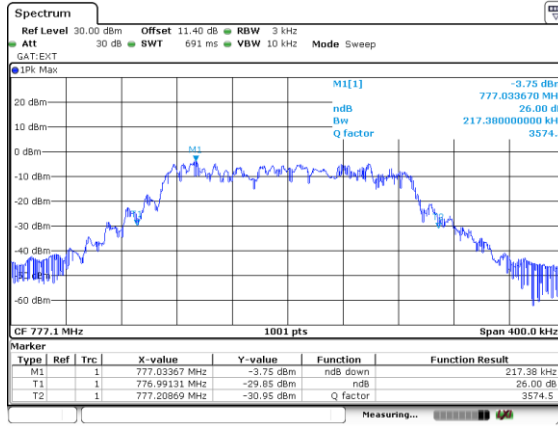
**26dB Bandwidth**

Mode	LTE Band 13 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	217.38
Middle CH	219.38
Highest CH	228.57



LTE Band 13

Lowest Channel / 15kHz / QPSK



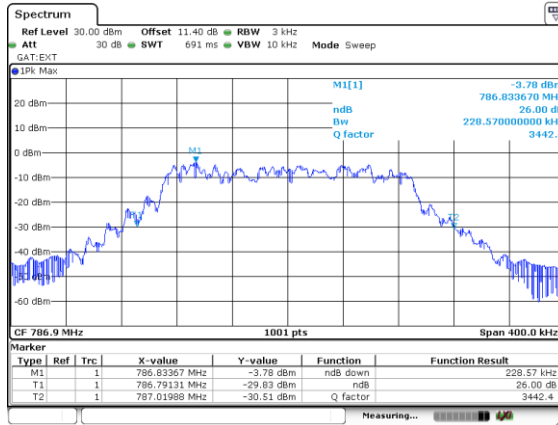
Date: 13.AUG.2024 21:22:20

Middle Channel / 15kHz / QPSK



Date: 13.AUG.2024 21:19:20

Highest Channel / 15kHz / QPSK



Date: 13.AUG.2024 21:14:20



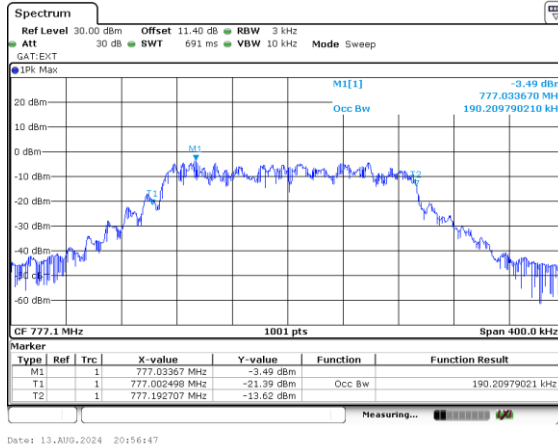
**Occupied Bandwidth**

Mode	LTE Band 13 : OB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	190.21
Middle CH	189.01
Highest CH	189.01

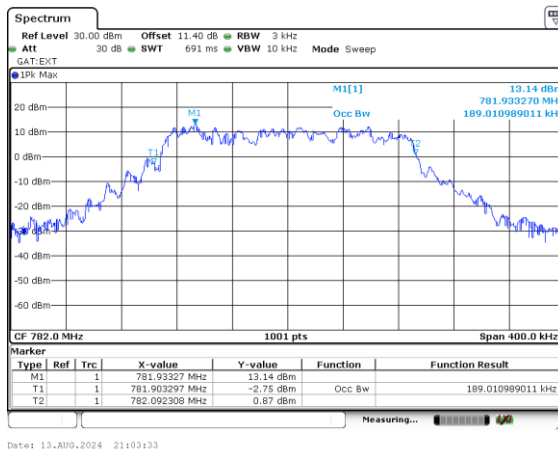


LTE Band 13

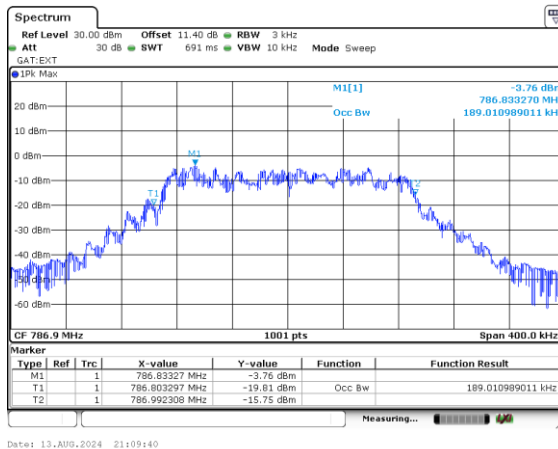
Lowest Channel / 15kHz / QPSK



Middle Channel / 15kHz / QPSK

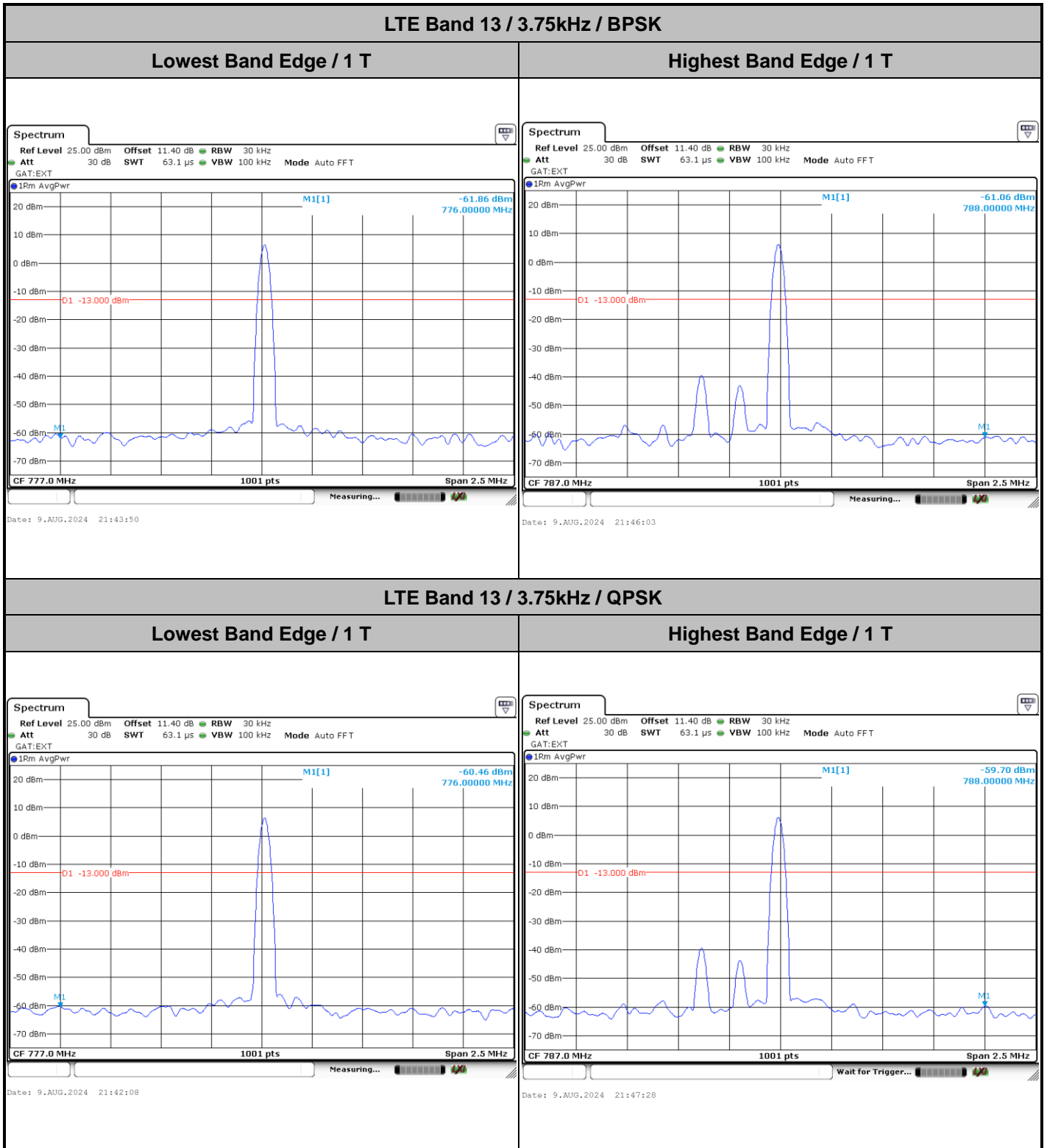


Highest Channel / 15kHz / QPSK





# Conducted Band Edge

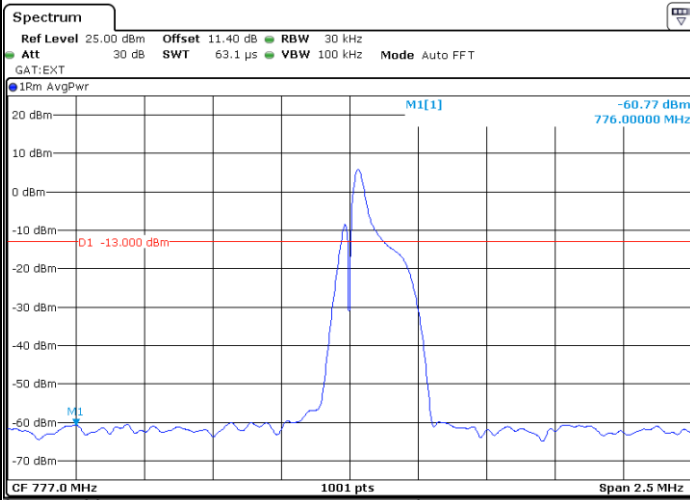




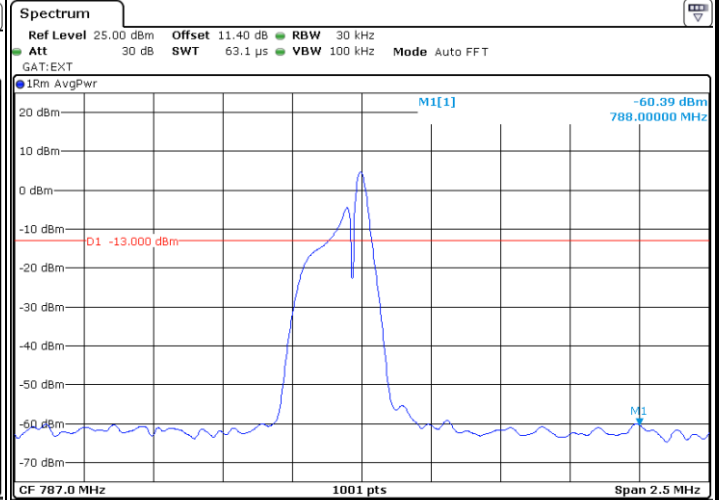
LTE Band 13 / 15kHz / BPSK

Lowest Band Edge / 1 T

Highest Band Edge / 1 T



Date: 9.AUG.2024 21:57:48

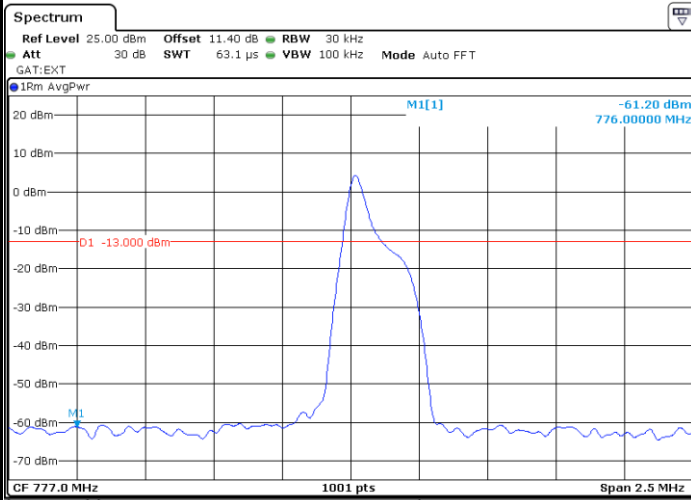


Date: 9.AUG.2024 22:02:08



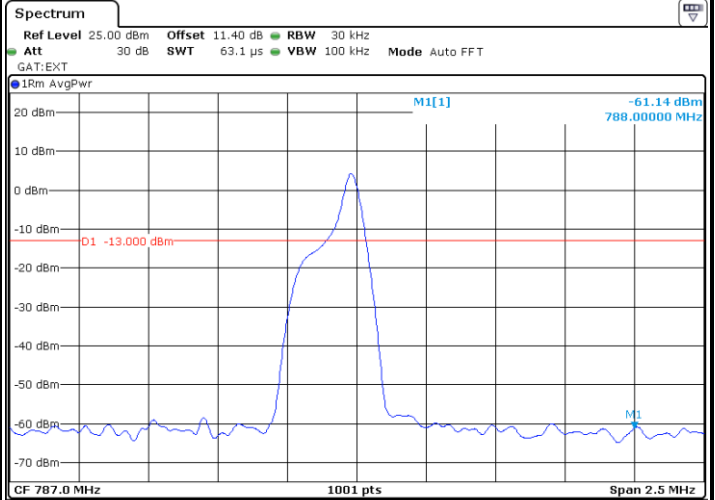
LTE Band 13 / 15kHz / QPSK

Lowest Band Edge / 1 T



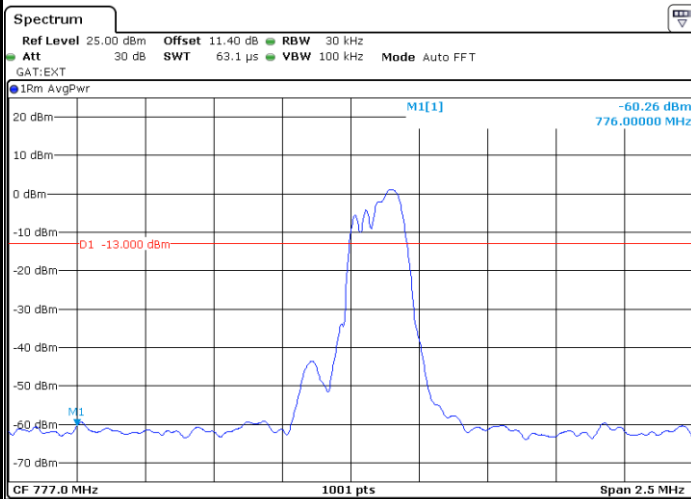
Date: 9.AUG.2024 21:58:59

Highest Band Edge / 1 T



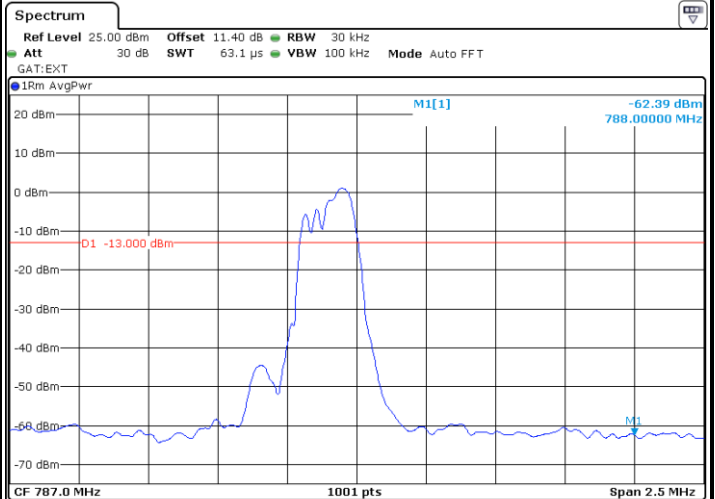
Date: 9.AUG.2024 22:01:15

Lowest Band Edge / Full T



Date: 13.AUG.2024 22:30:29

Highest Band Edge / Full T

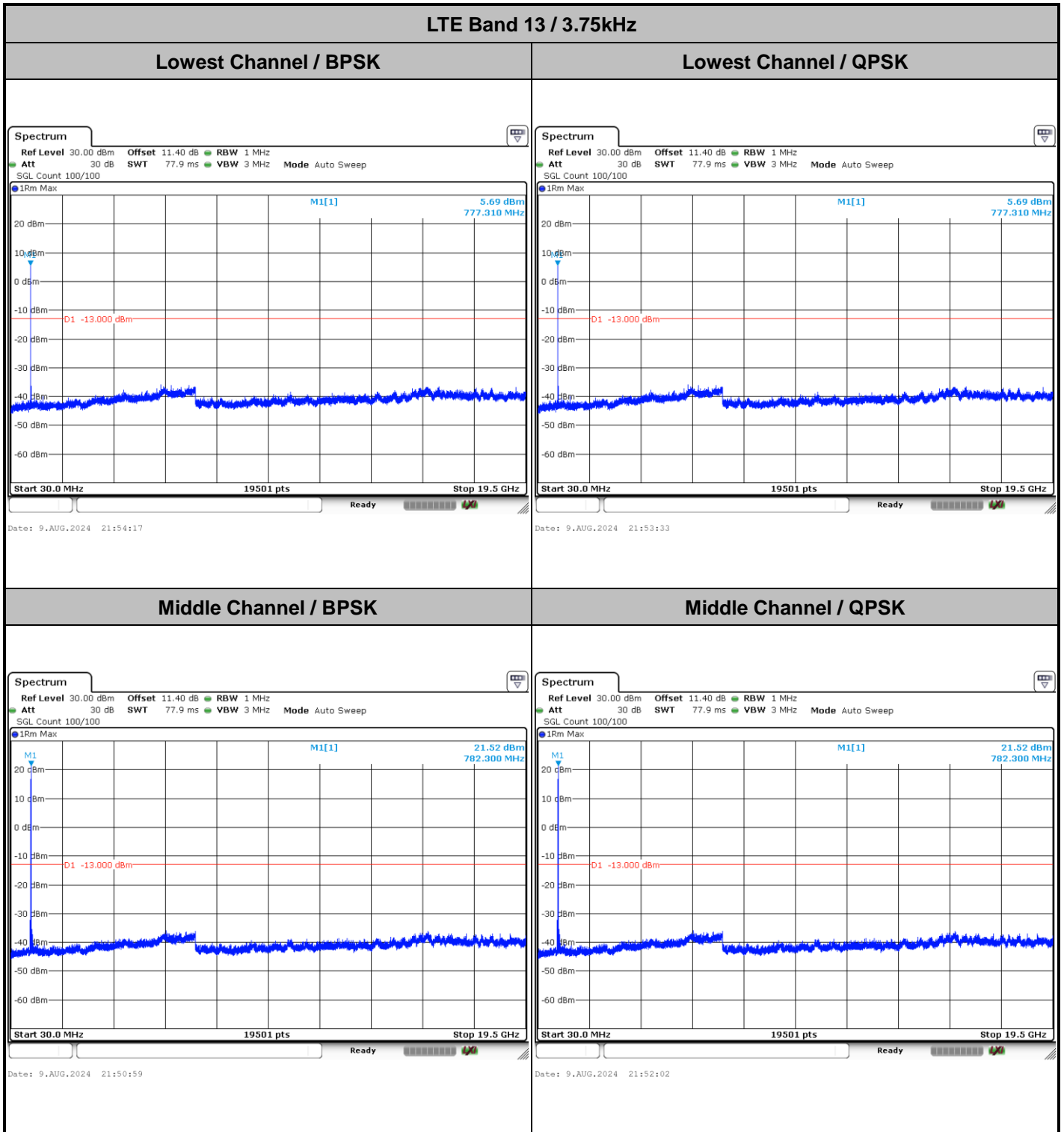


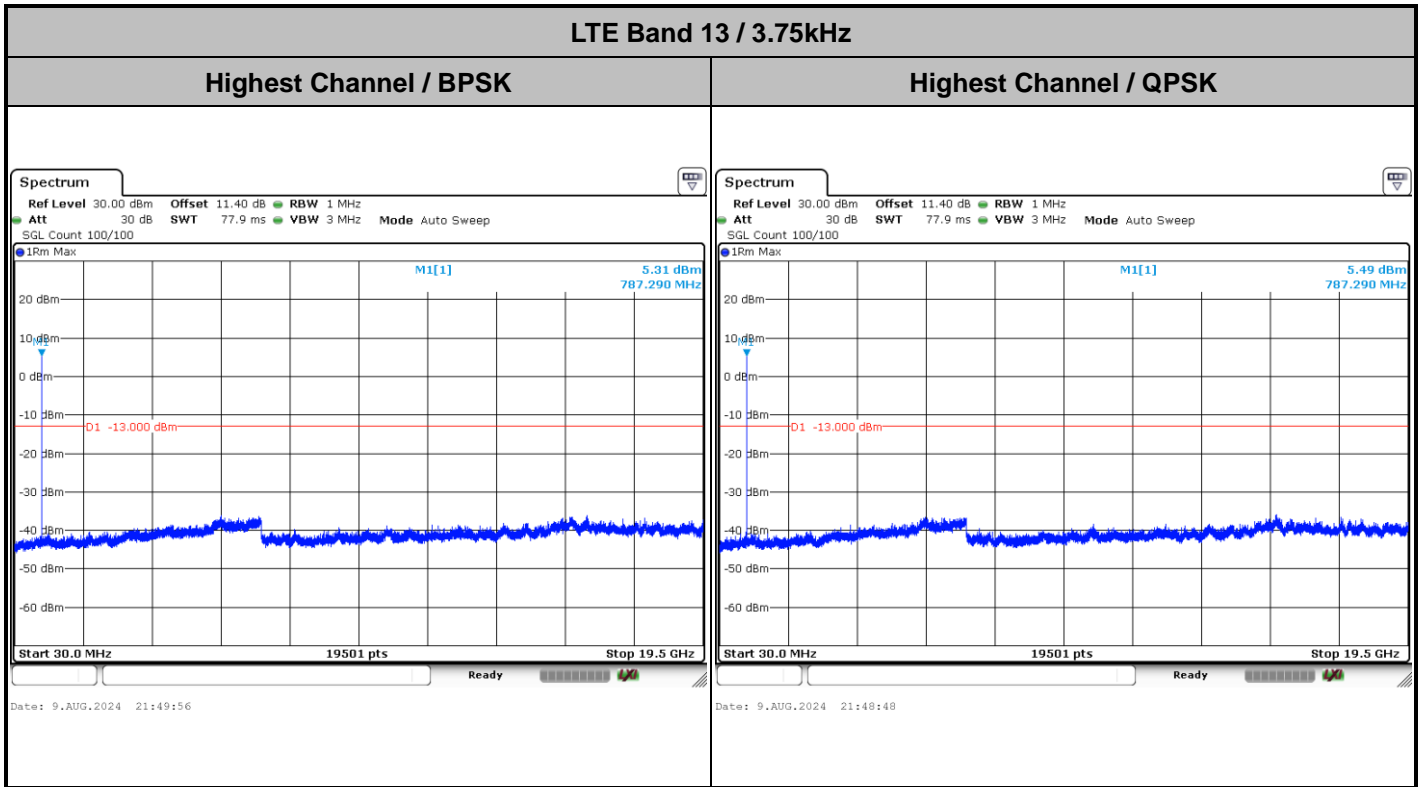
Date: 13.AUG.2024 22:28:15





# Conducted Spurious Emission

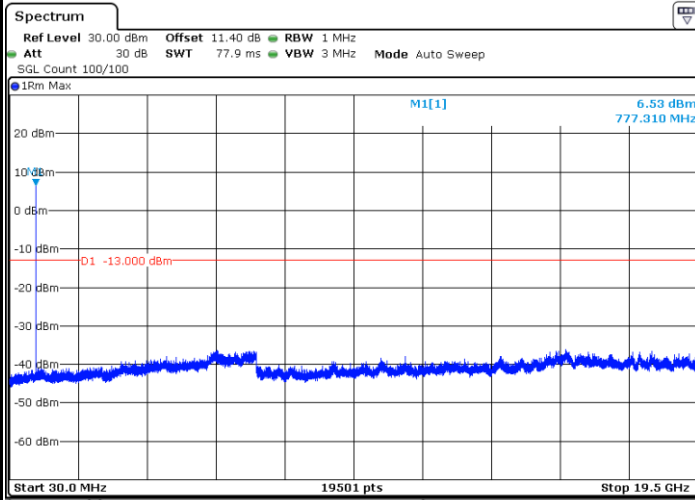




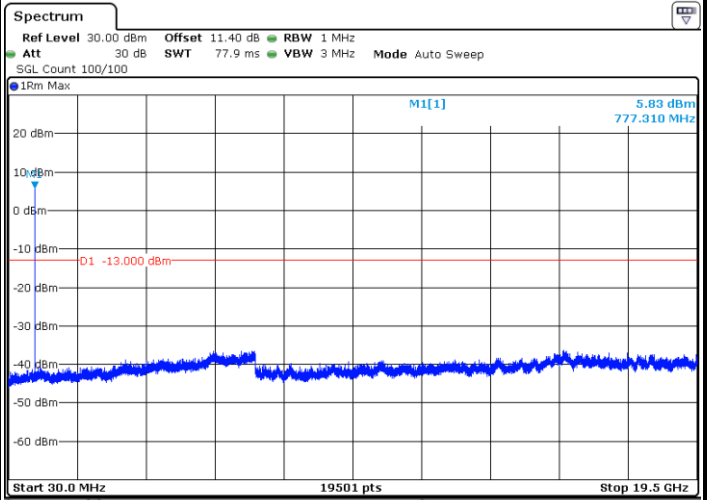


LTE Band 13 / 15kHz

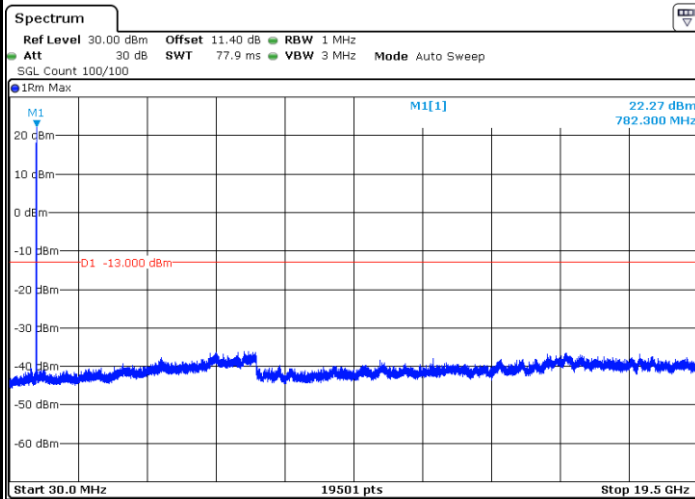
Lowest Channel / BPSK



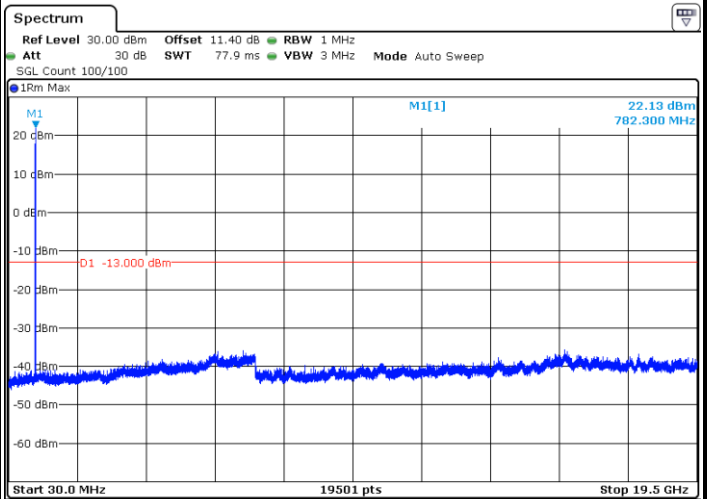
Lowest Channel / QPSK



Middle Channel / BPSK



Middle Channel / QPSK

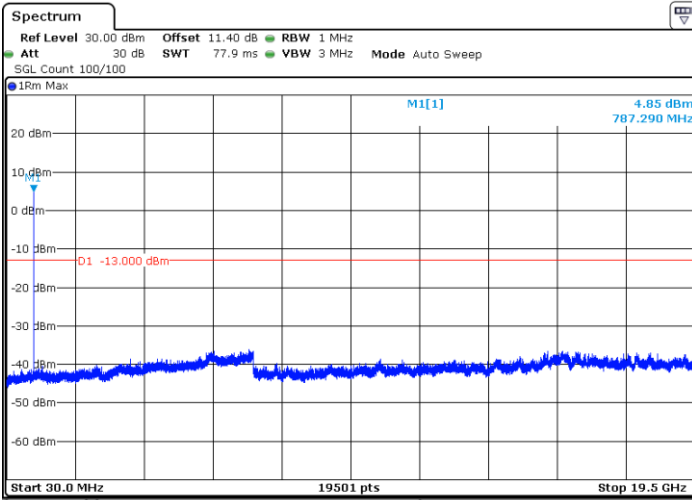




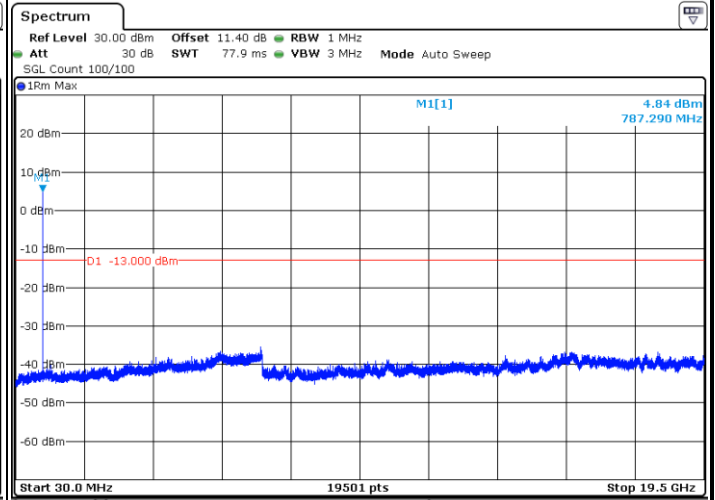
LTE Band 13 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 9.AUG.2024 22:03:24



Date: 9.AUG.2024 22:04:38



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0205	PASS
40	Normal Voltage	0.0125	
30	Normal Voltage	0.0147	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0211	
0	Normal Voltage	0.0188	
-10	Normal Voltage	0.0092	
-20	Normal Voltage	0.0155	
-30	Normal Voltage	0.0155	
20	Maximum Voltage	0.0114	
20	Normal Voltage	0.0000	
20	Mimimum Voltage	0.0114	

Note:

1. Normal Voltage = 110 V. ; Mimimum Voltage = 90 V. ; Maximum Voltage = 264 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 26 (Part 22H)

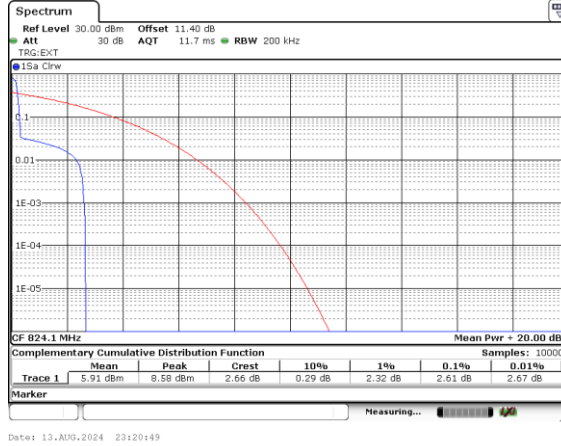
### Peak-to-Average Ratio

Mode	LTE Band 26 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Lowest CH	2.61	2.06	4.06	<b>PASS</b>
Middle CH	2.52	1.97	3.88	
Highest CH	2.58	2.06	4.09	

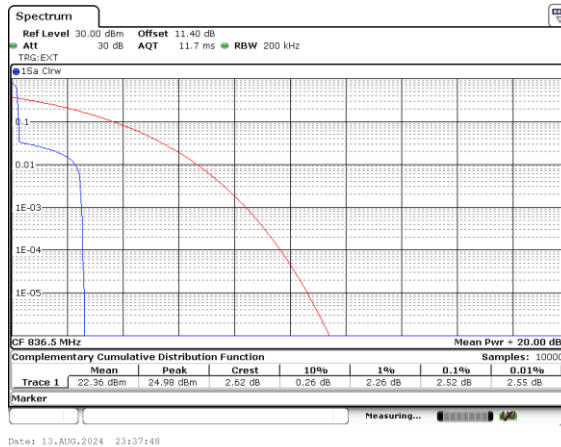


LTE Band 26 / 15kHz / BPSK

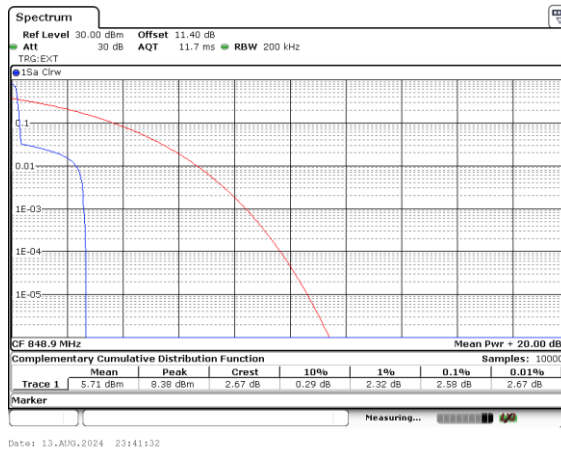
Lowest Channel / 1T



Middle Channel / 1T



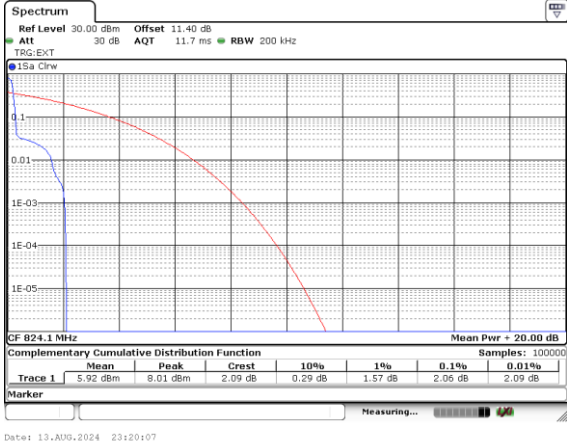
Highest Channel / 1T





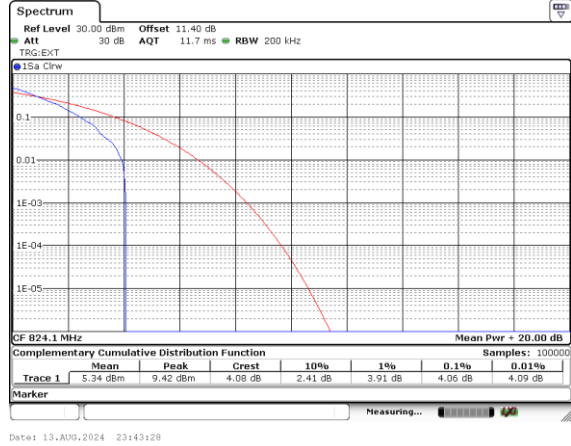
LTE Band 26 / 15kHz / QPSK

Lowest Channel / 1T



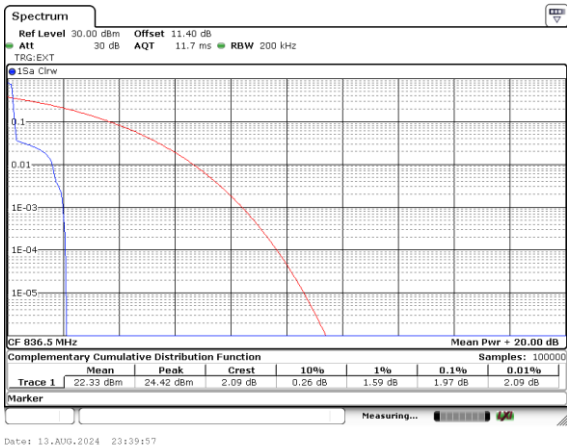
Date: 13.AUG.2024 23:20:07

Lowest Channel / Full T



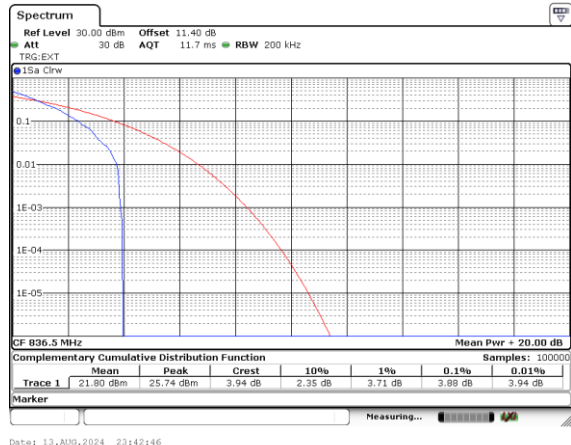
Date: 13.AUG.2024 23:43:28

Middle Channel/ 1T



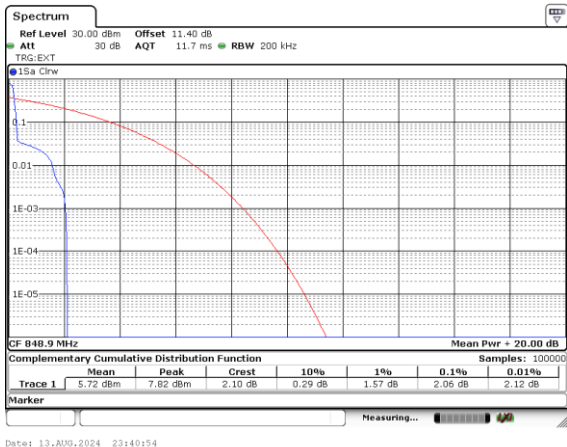
Date: 13.AUG.2024 23:39:57

Middle Channel / Full T



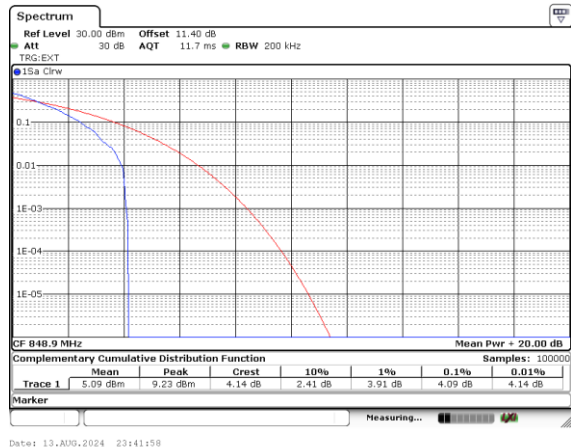
Date: 13.AUG.2024 23:42:46

Highest Channel/ 1T



Date: 13.AUG.2024 23:40:54

Highest Channel / Full T



Date: 13.AUG.2024 23:41:58





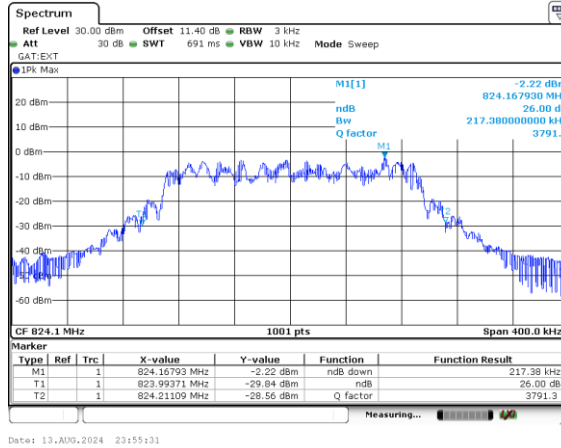
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	217.38
Middle CH	216.58
Highest CH	204.2

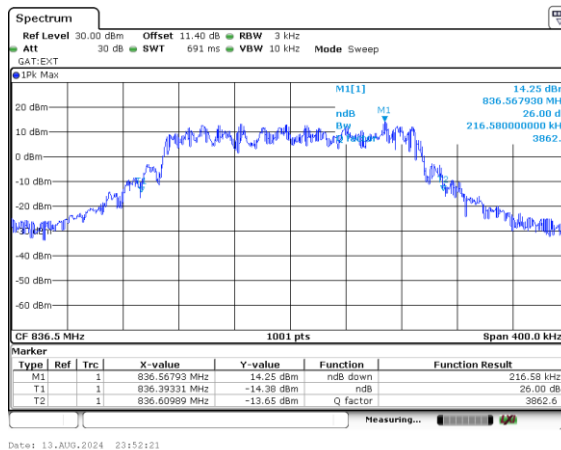


LTE Band 26

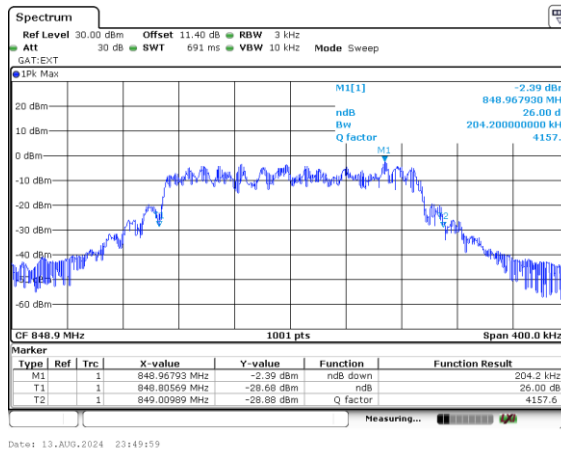
Lowest Channel / 15kHz / QPSK



Middle Channel / 15kHz / QPSK



Highest Channel / 15kHz / QPSK





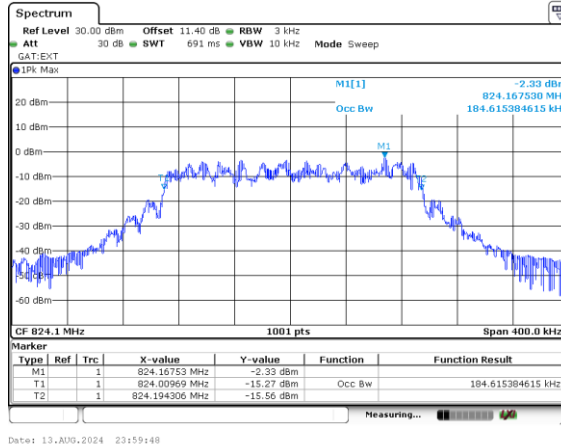
**Occupied Bandwidth**

Mode	LTE Band 26 : OB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	184.62
Middle CH	184.62
Highest CH	184.62



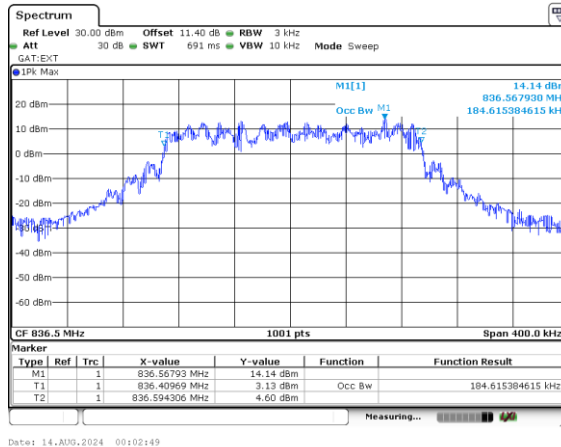
LTE Band 26

Lowest Channel / 15kHz / QPSK



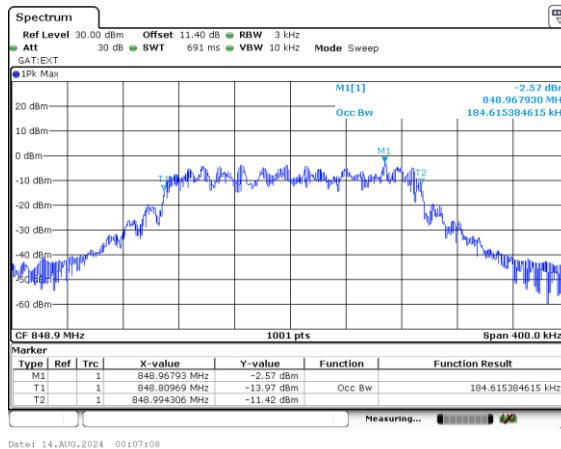
Date: 13.AUG.2024 23:59:48

Middle Channel / 15kHz / QPSK



Date: 14.AUG.2024 00:02:49

Highest Channel / 15kHz / QPSK



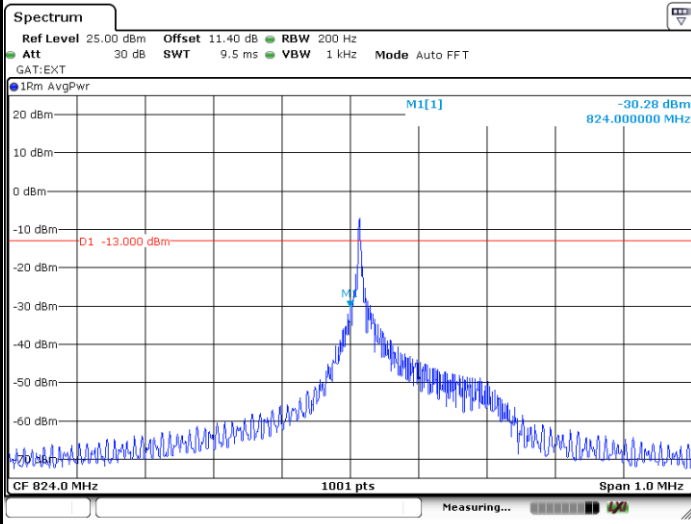
Date: 14.AUG.2024 00:07:08



# Conducted Band Edge

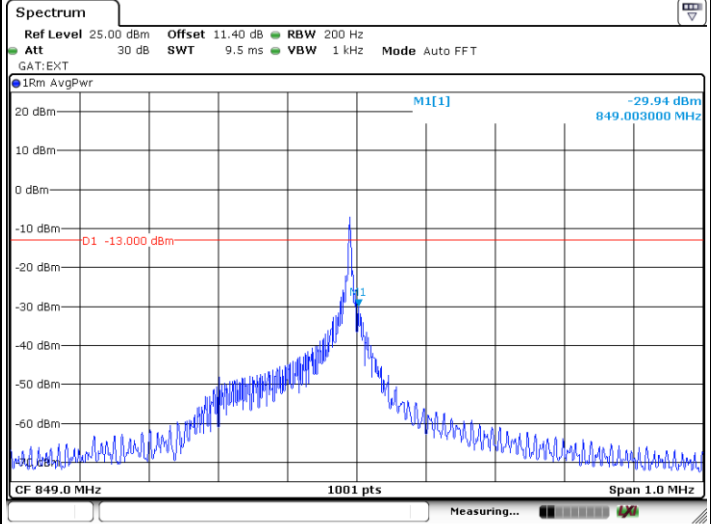
## LTE Band 26 / 3.75kHz / BPSK

### Lowest Band Edge / 1 T



Date: 13.AUG.2024 22:41:16

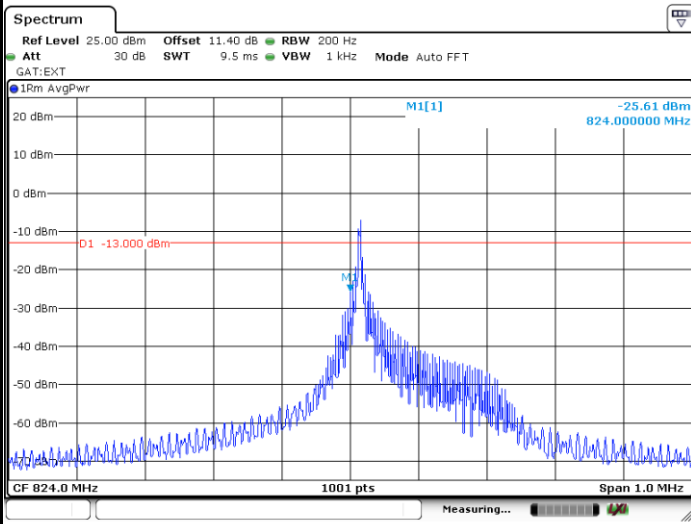
### Highest Band Edge / 1 T



Date: 13.AUG.2024 22:48:36

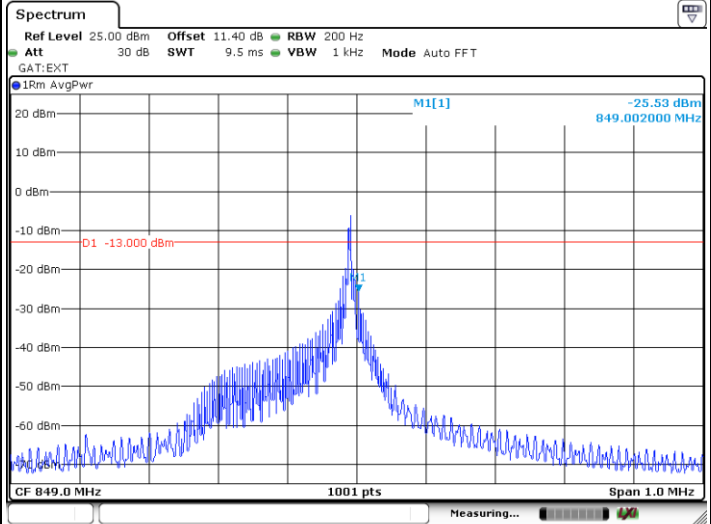
## LTE Band 26 / 3.75kHz / QPSK

### Lowest Band Edge / 1 T



Date: 13.AUG.2024 22:38:48

### Highest Band Edge / 1 T



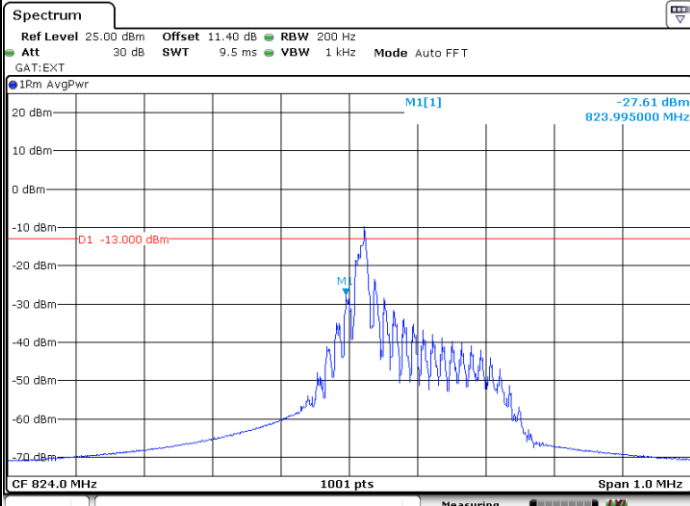
Date: 13.AUG.2024 22:53:16



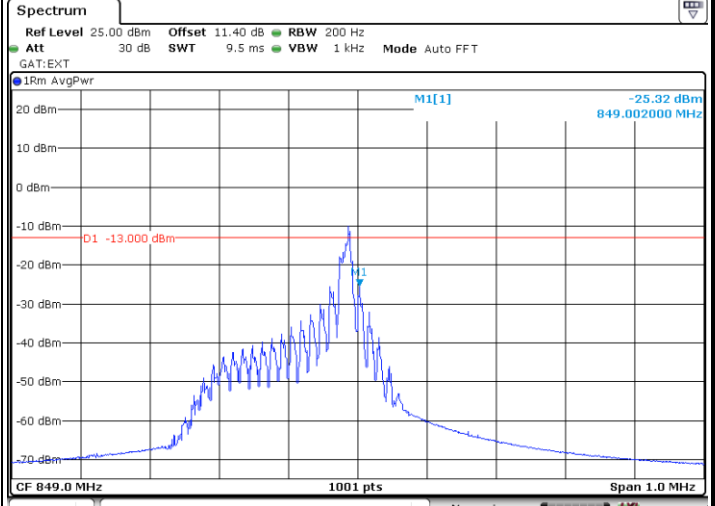
LTE Band 26 / 15kHz / BPSK

Lowest Band Edge / 1 T

Highest Band Edge / 1 T



Date: 13.AUG.2024 23:17:59



Date: 13.AUG.2024 23:15:38