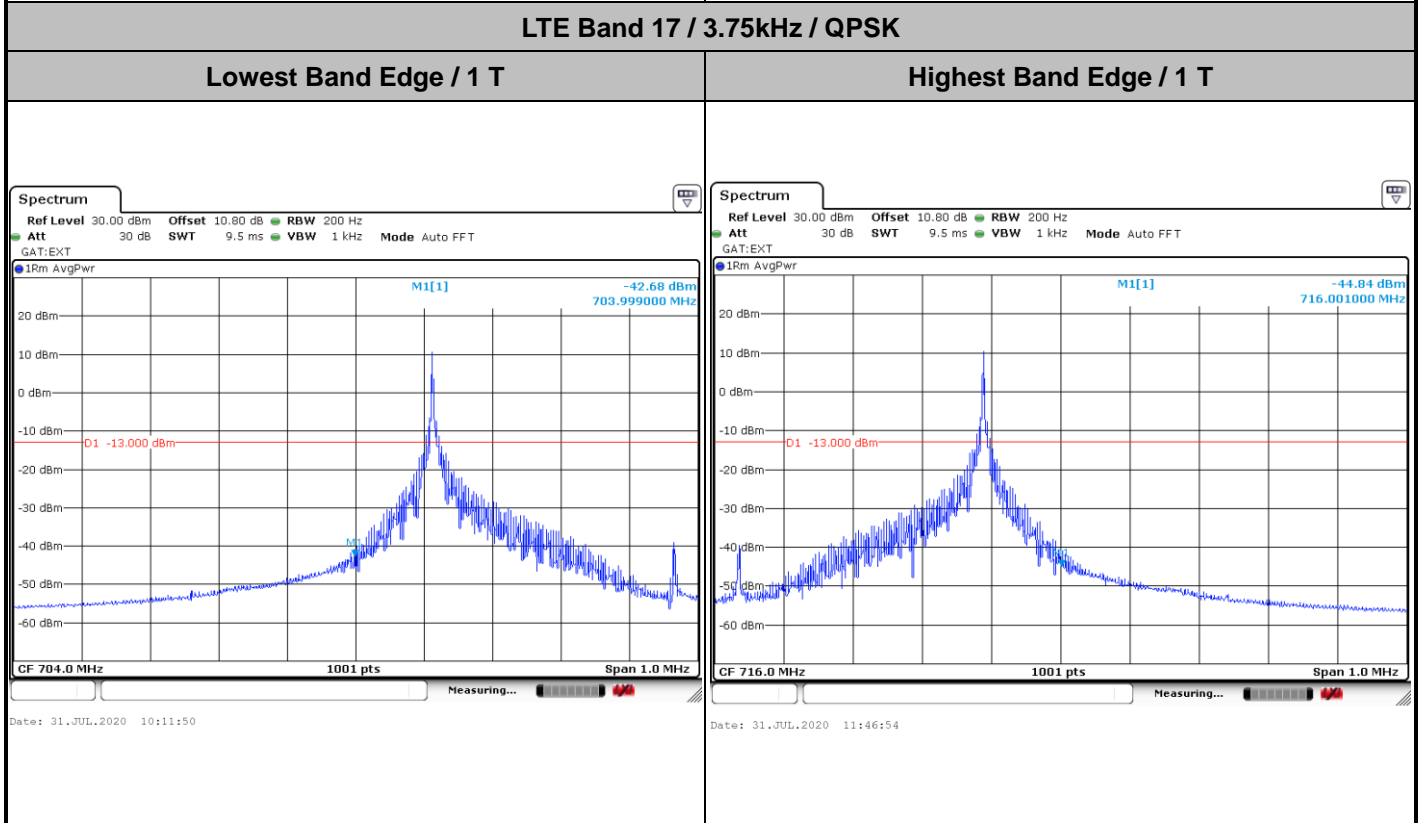
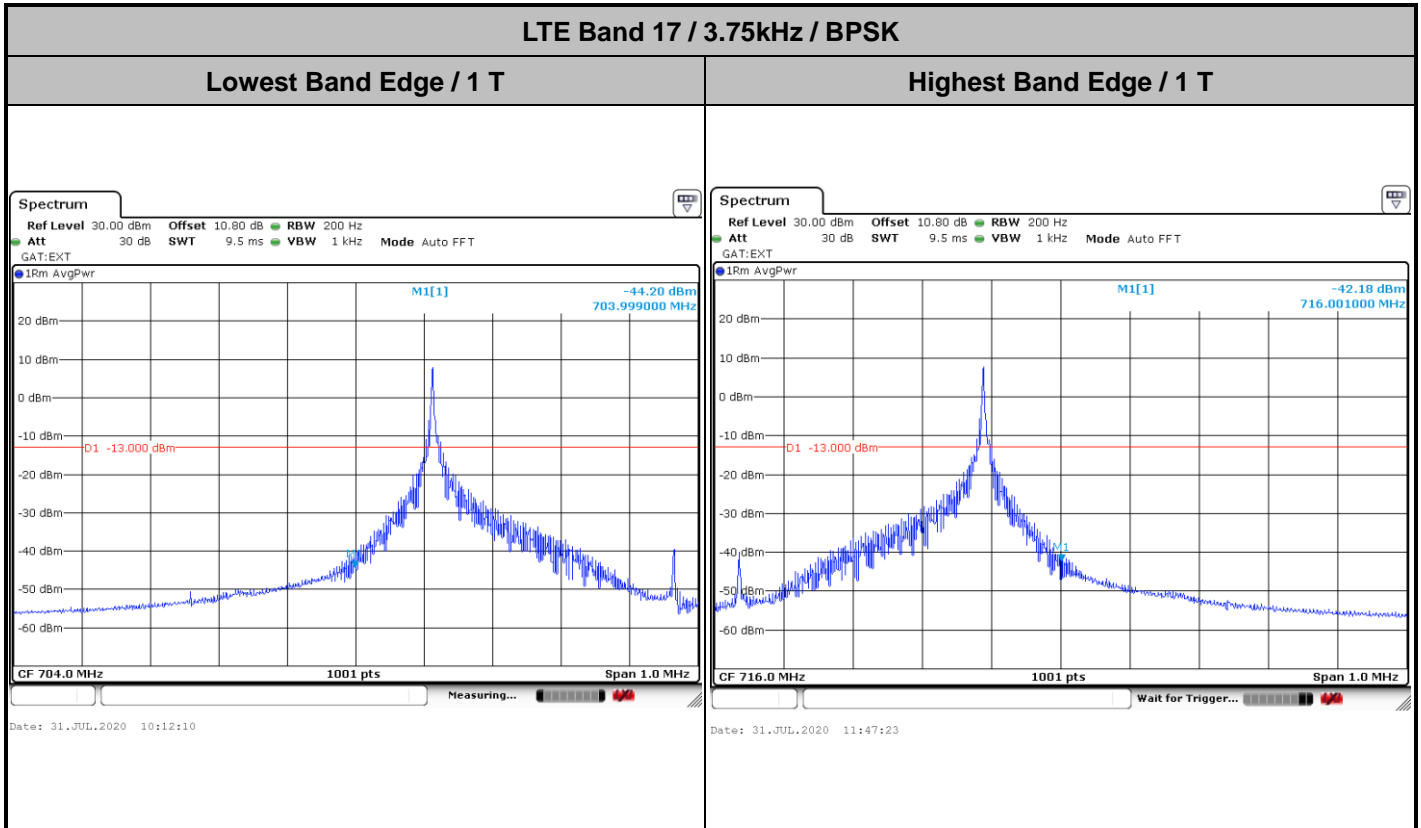
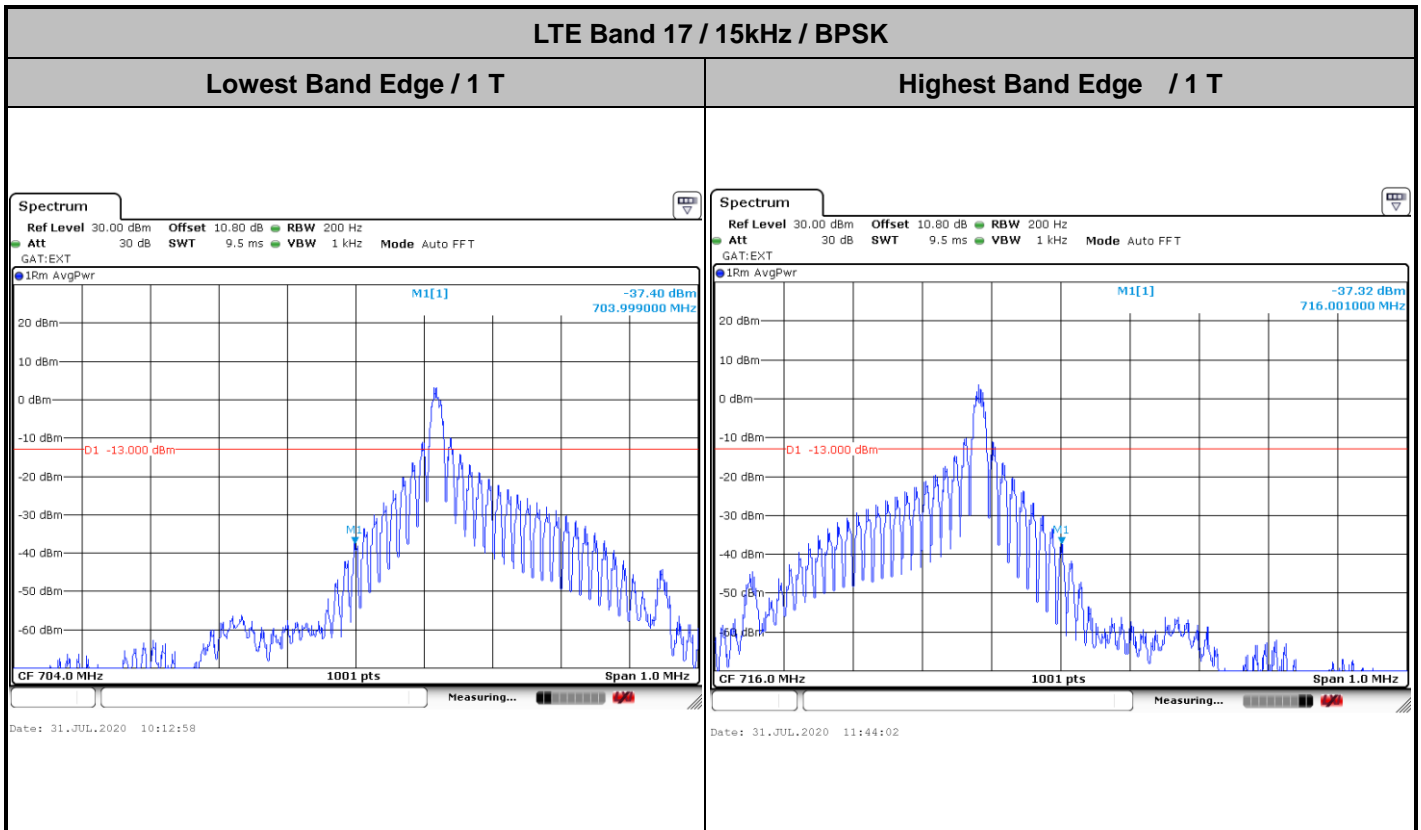




# Conducted Band Edge

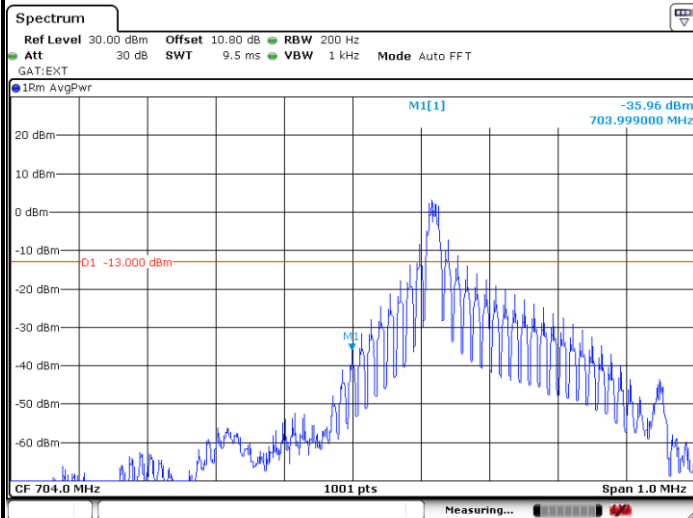




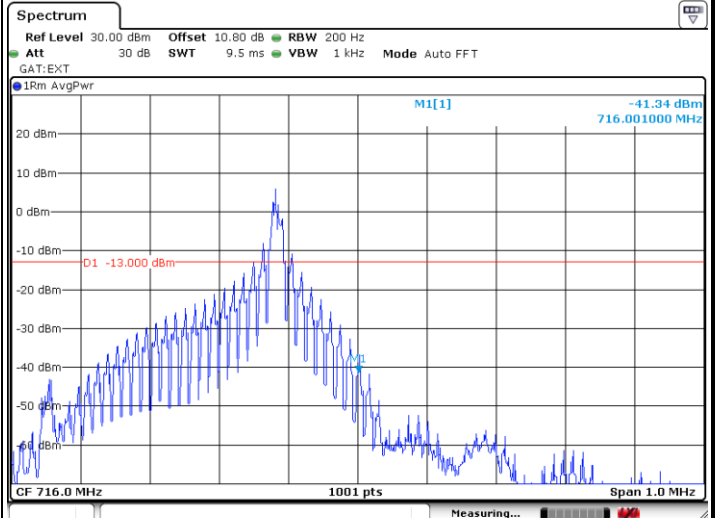


LTE Band 17 / 15kHz / QPSK

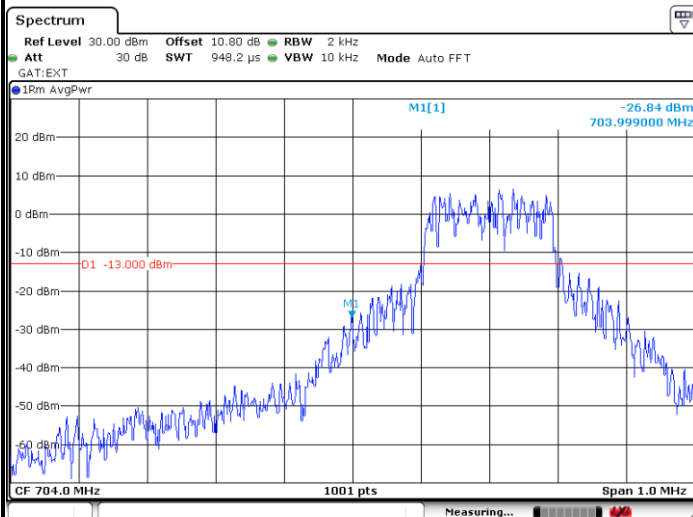
Lowest Band Edge / 1 T



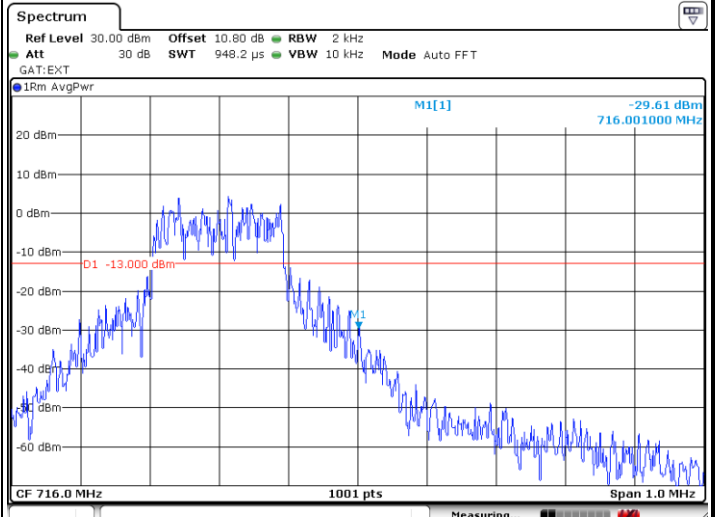
Highest Band Edge / 1 T



Lowest Band Edge / Full T



Highest Band Edge / Full T

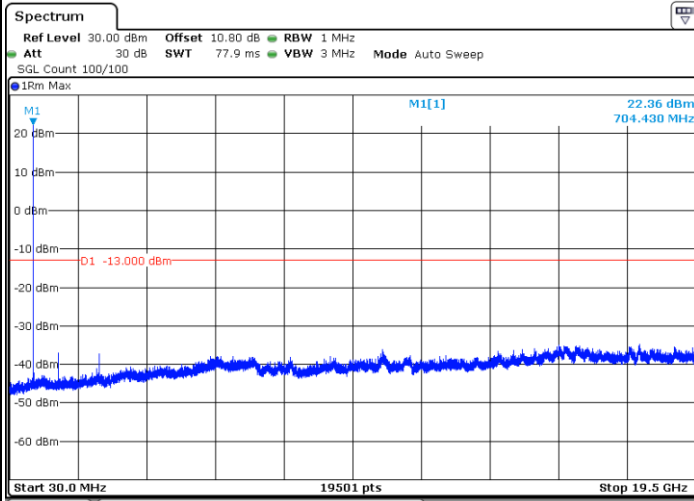




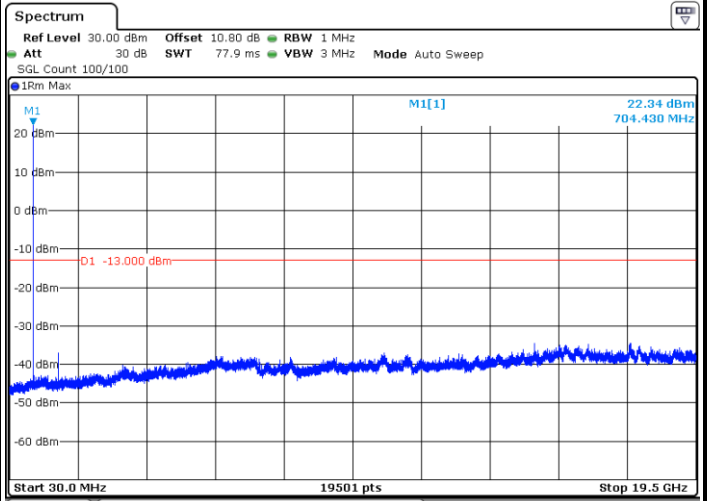
# Conducted Spurious Emission

## LTE Band 17 / 3.75kHz

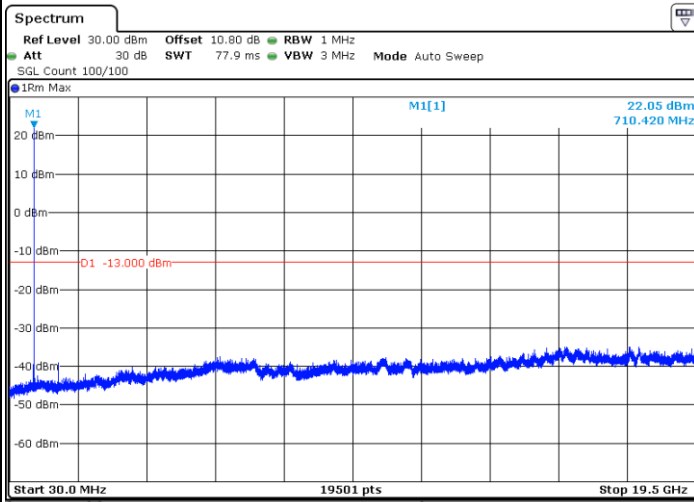
### Lowest Channel / BPSK



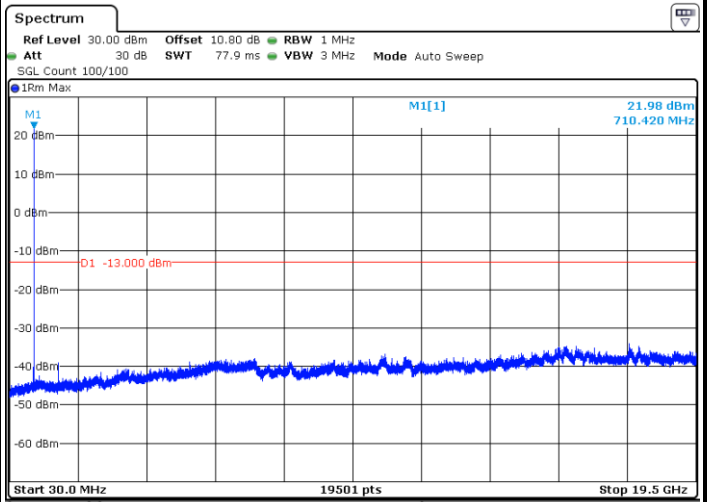
### Lowest Channel / QPSK



### Middle Channel / BPSK



### Middle Channel / QPSK

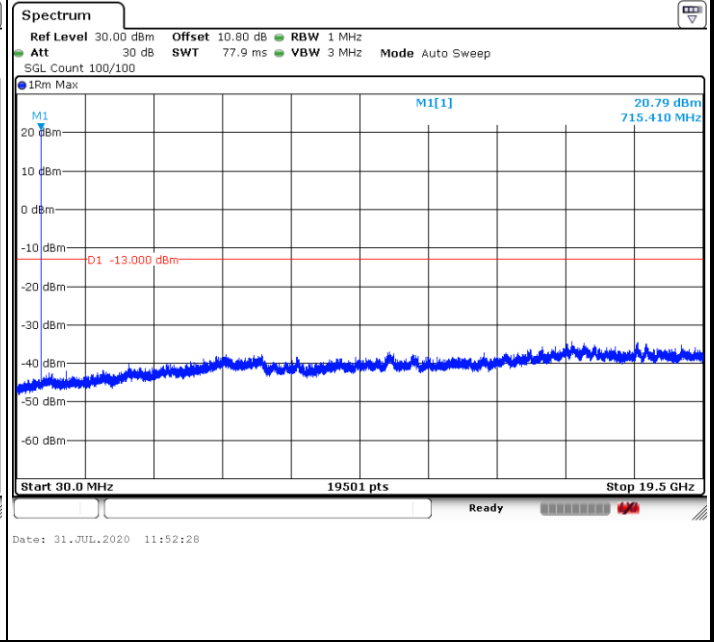
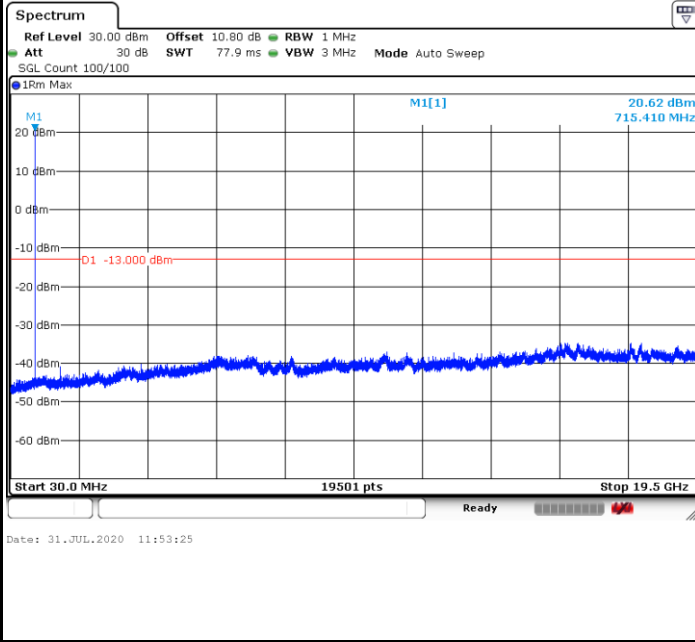




LTE Band 17 / 3.75kHz

Highest Channel / BPSK

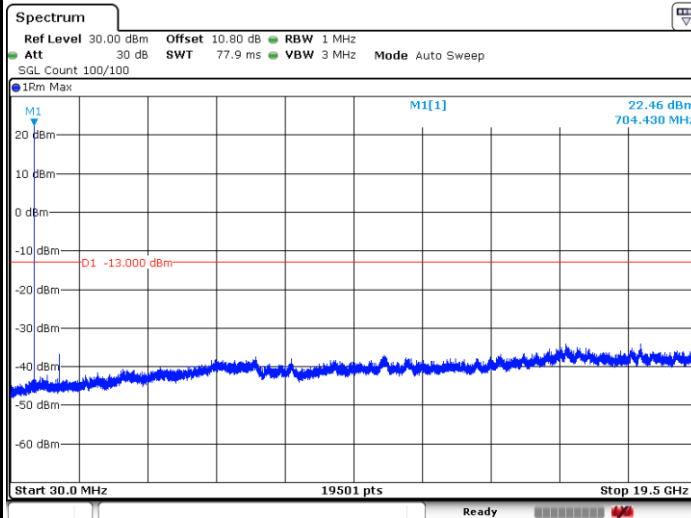
Highest Channel / QPSK



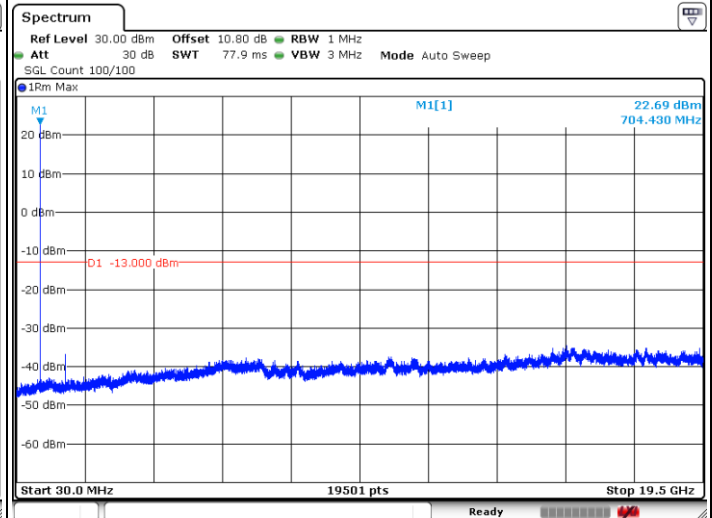


LTE Band 17 / 15kHz

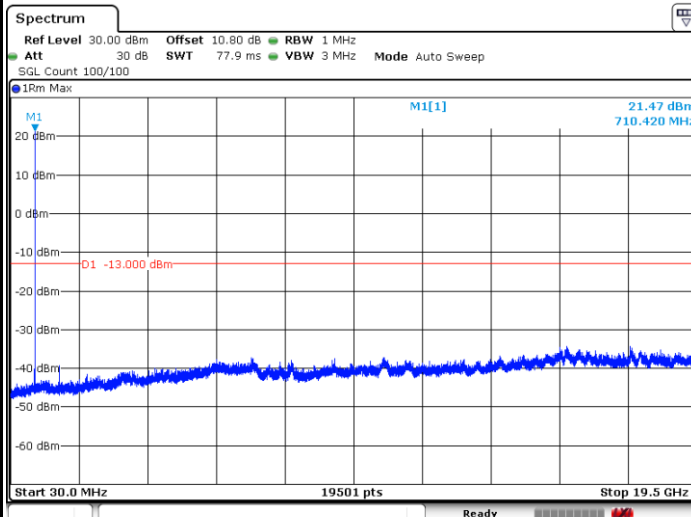
Lowest Channel / BPSK



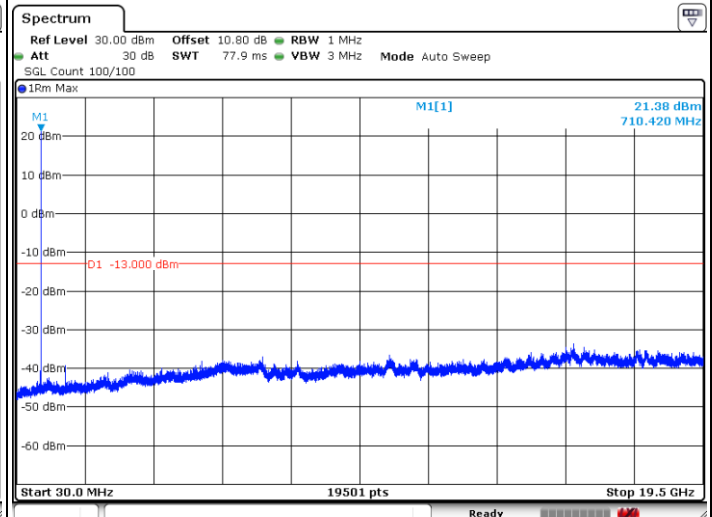
Lowest Channel / QPSK



Middle Channel / BPSK



Middle Channel / QPSK

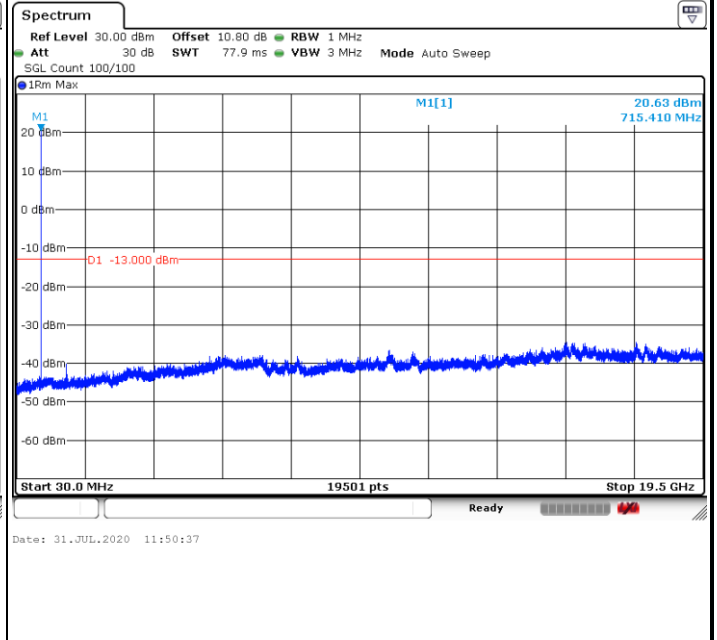
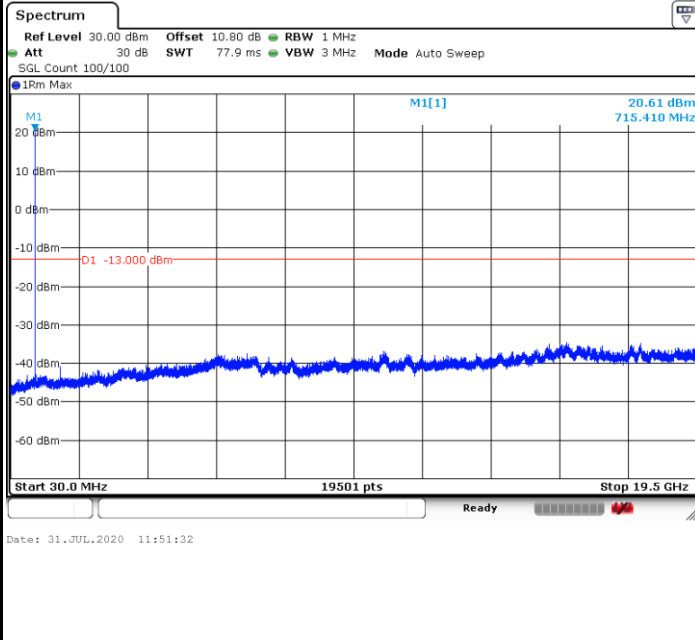




LTE Band 17 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK





### Frequency Stability

Test Conditions		LTE Band 17 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0214	
30	Normal Voltage	0.0077	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0068	
-10	Normal Voltage	0.0176	
-20	Normal Voltage	0.0197	
-30	Normal Voltage	0.0076	
20	Maximum Voltage	0.0244	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

**Note:**

1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.





## LTE Band 25

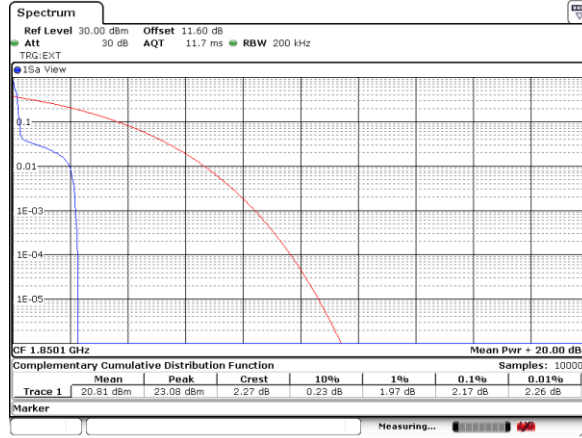
### Peak-to-Average Ratio

Mode	LTE Band 25 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Lowest CH	2.17	1.74	4.00	<b>PASS</b>
Middle CH	2.20	1.71	3.88	
Highest CH	2.17	1.71	3.83	



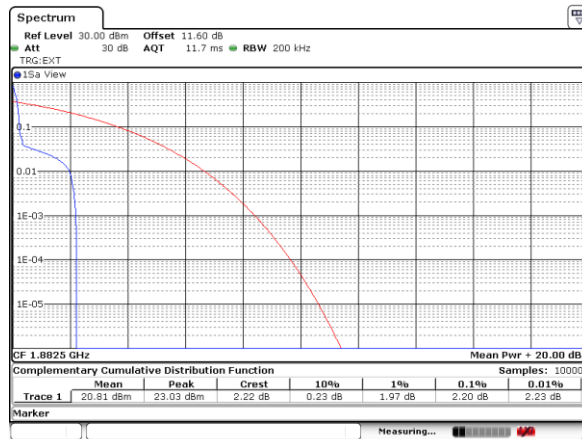
LTE Band 25 / 15kHz / BPSK

Lowest Channel / 1T



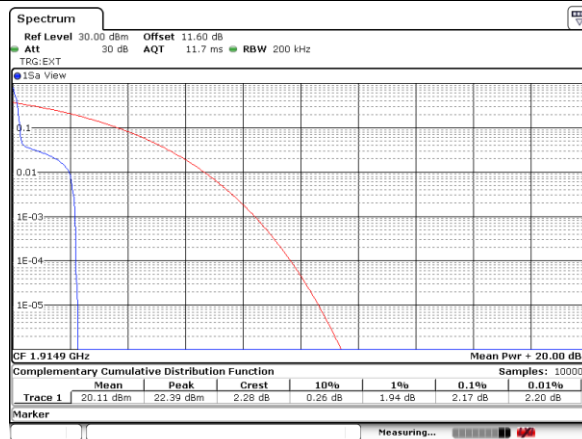
Date: 23.JUL.2020 14:15:36

Middle Channel/ 1T



Date: 23.JUL.2020 12:58:54

Highest Channel/ 1T

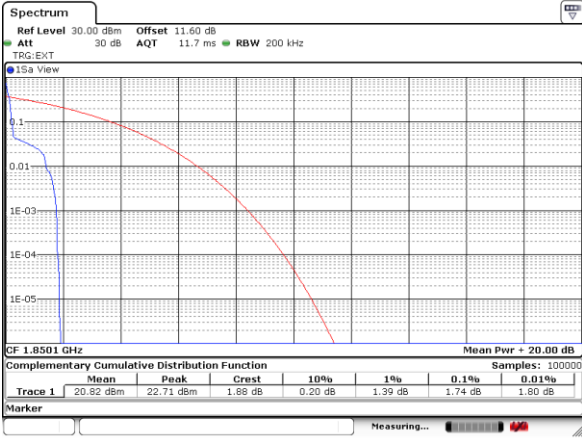


Date: 27.JUL.2020 10:48:34



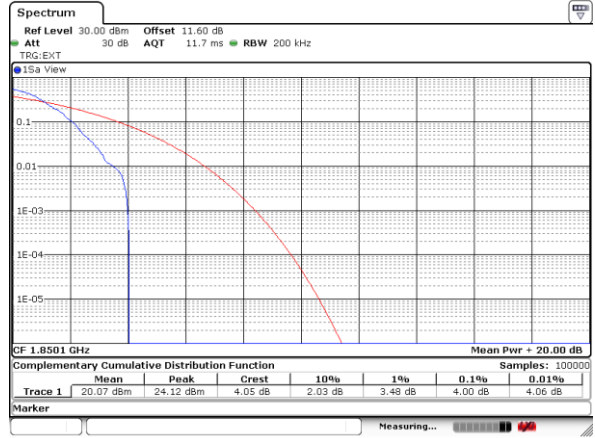
LTE Band 25 / 15kHz / QPSK

Lowest Channel / 1T



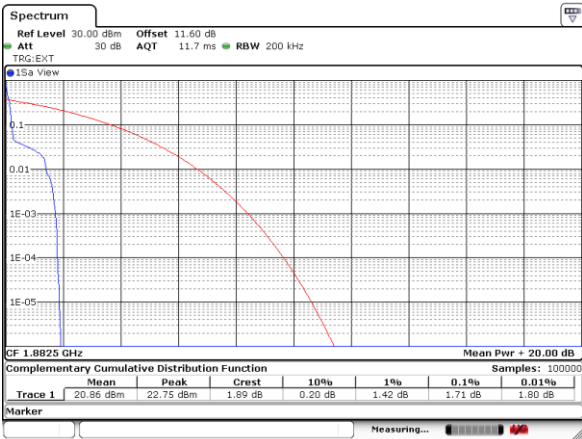
Date: 23\_JUL\_2020 14:15:08

Lowest Channel / Full T



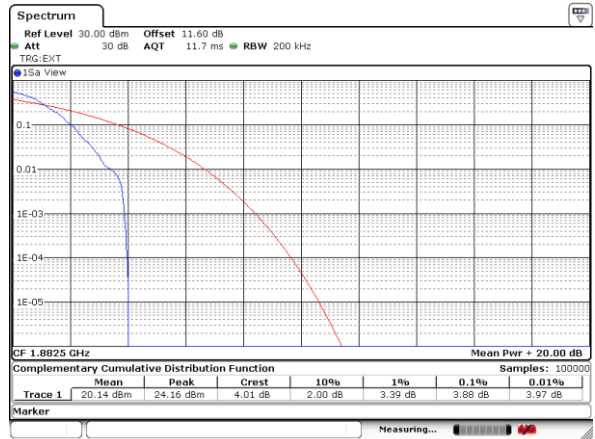
Date: 23\_JUL\_2020 14:11:37

Middle Channel / 1T



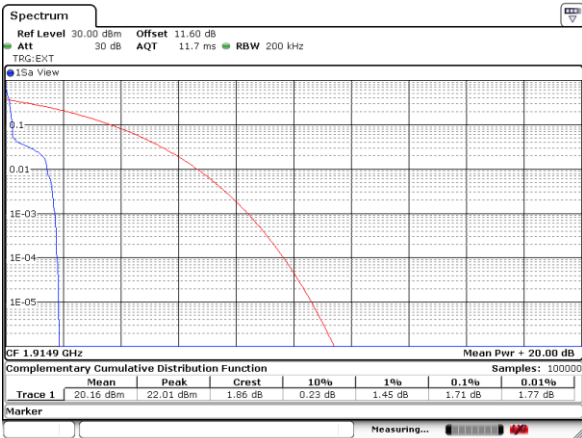
Date: 23\_JUL\_2020 13:58:29

Middle Channel / Full T



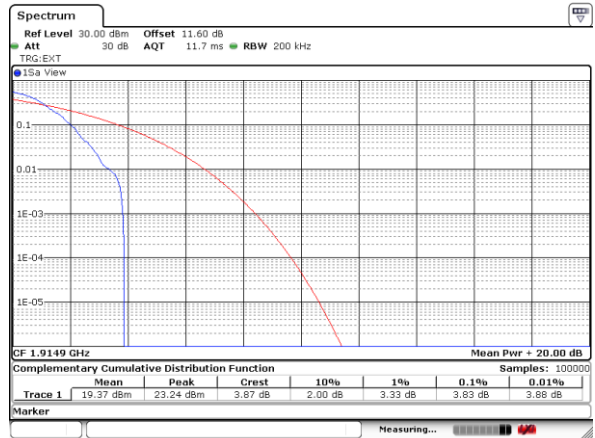
Date: 23\_JUL\_2020 13:57:36

Highest Channel / 1T



Date: 27\_JUL\_2020 10:48:05

Highest Channel / Full T



Date: 27\_JUL\_2020 10:47:34



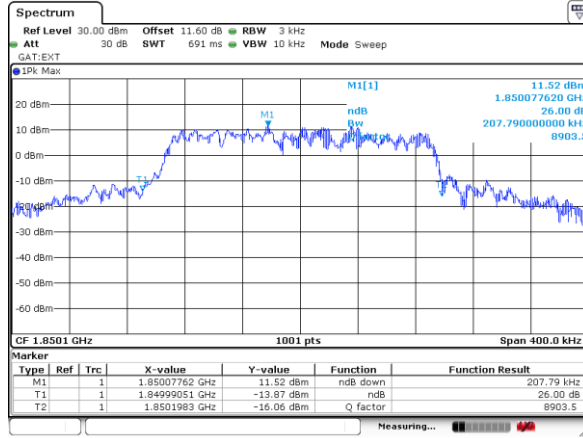
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	207.79
Middle CH	209.39
Highest CH	209.39



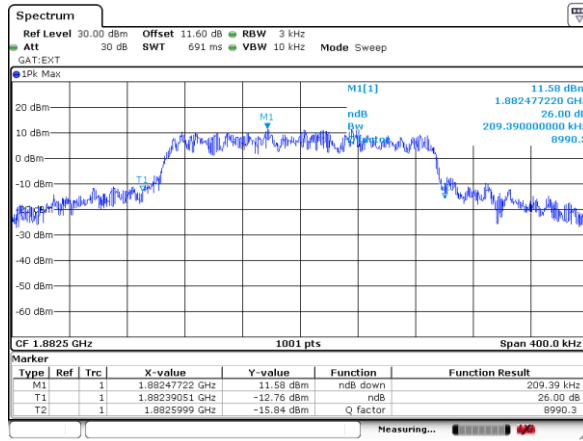
LTE Band 25

Lowest Channel / 15kHz / QPSK



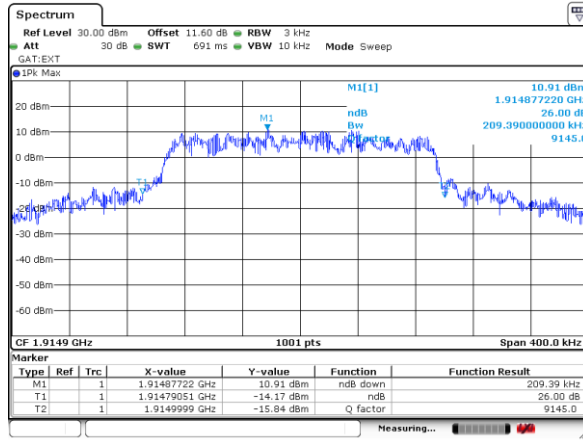
Date: 23.JUL.2020 14:14:08

Middle Channel / 15kHz / QPSK



Date: 23.JUL.2020 14:05:44

Highest Channel / 15kHz / QPSK



Date: 27.JUL.2020 10:45:14



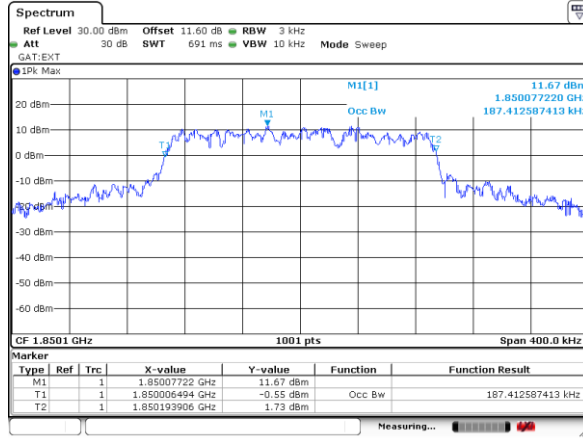
**Occupied Bandwidth**

Mode	LTE Band 25 : OB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	187.41
Middle CH	187.81
Highest CH	187.81



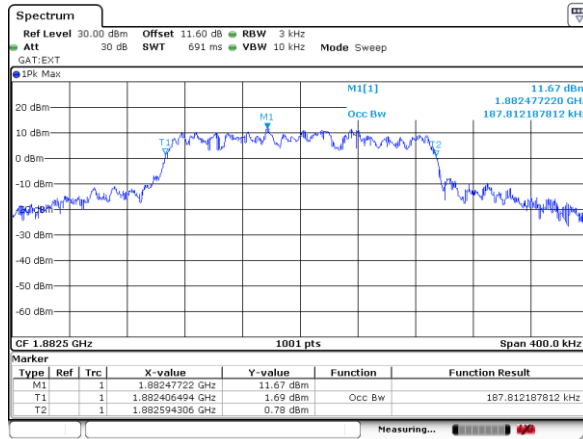
LTE Band 25

Lowest Channel / 15kHz / QPSK



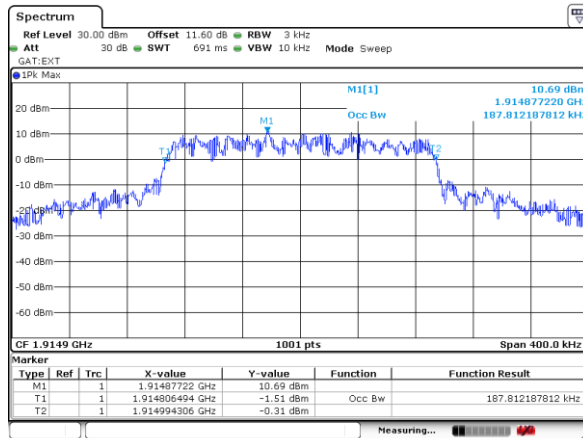
Date: 23.JUL.2020 14:12:38

Middle Channel / 15kHz / QPSK



Date: 23.JUL.2020 14:07:57

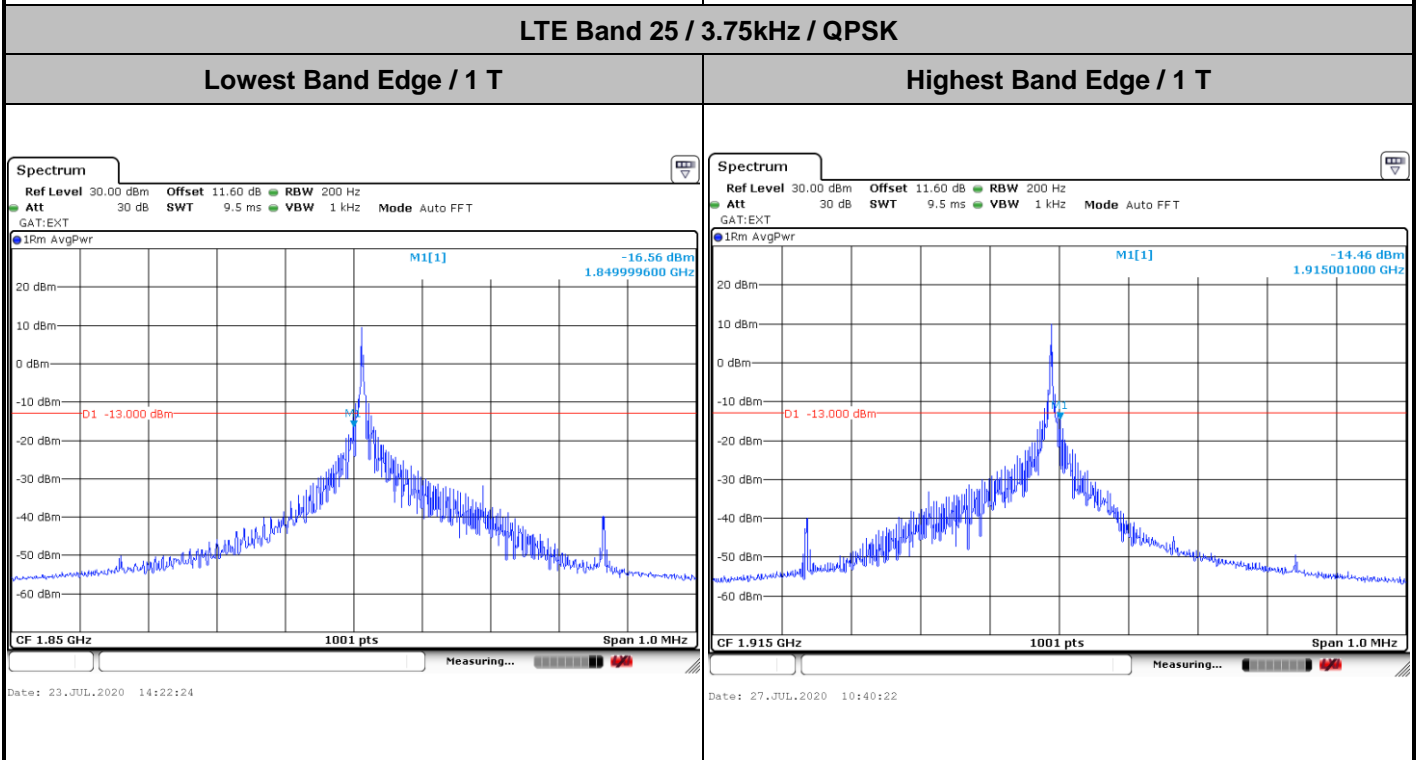
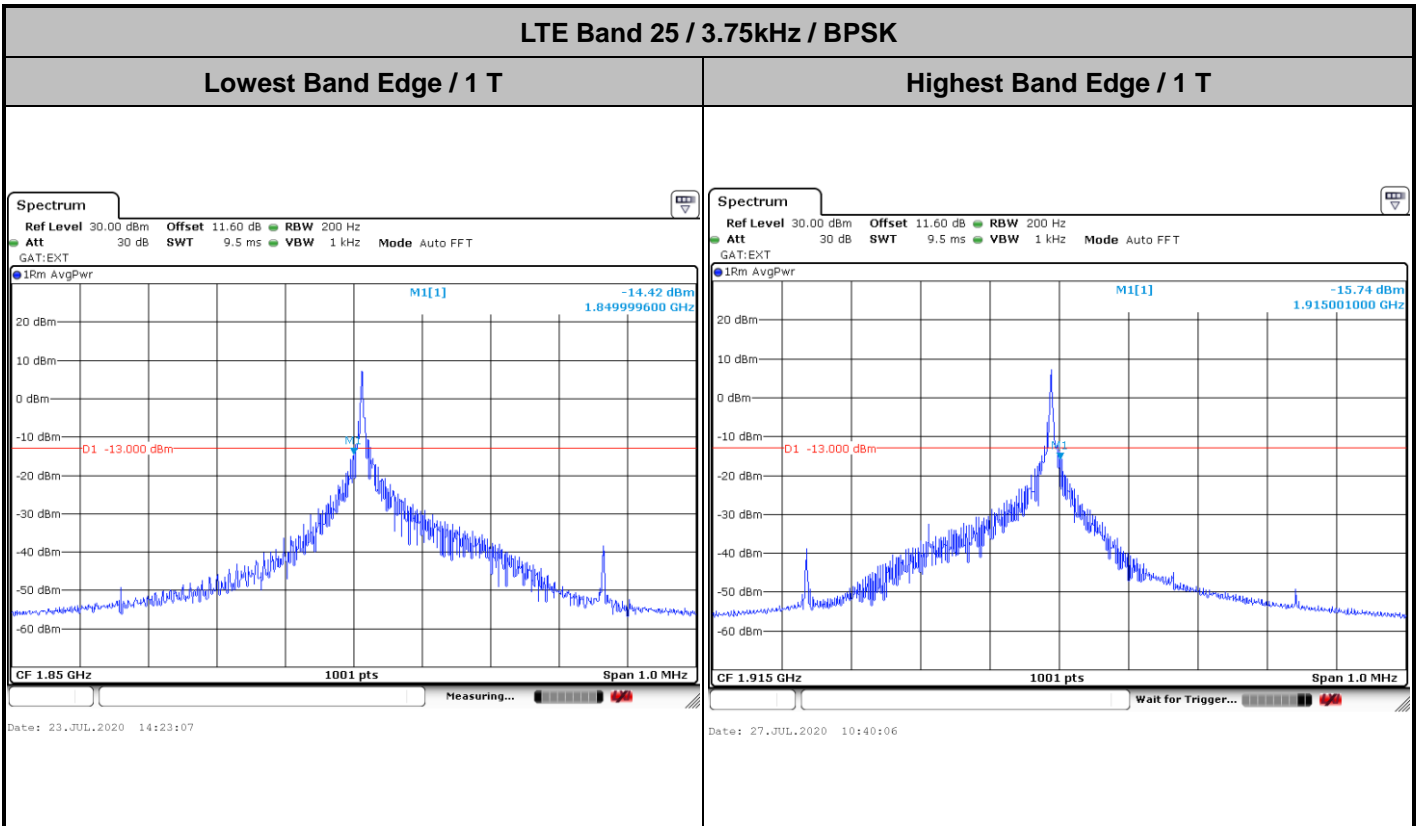
Highest Channel / 15kHz / QPSK



Date: 27.JUL.2020 10:47:02



# Conducted Band Edge



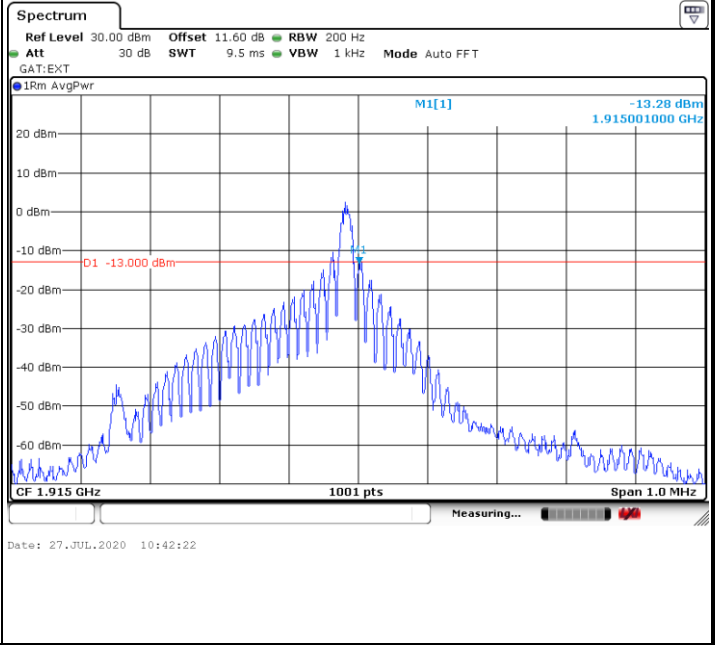
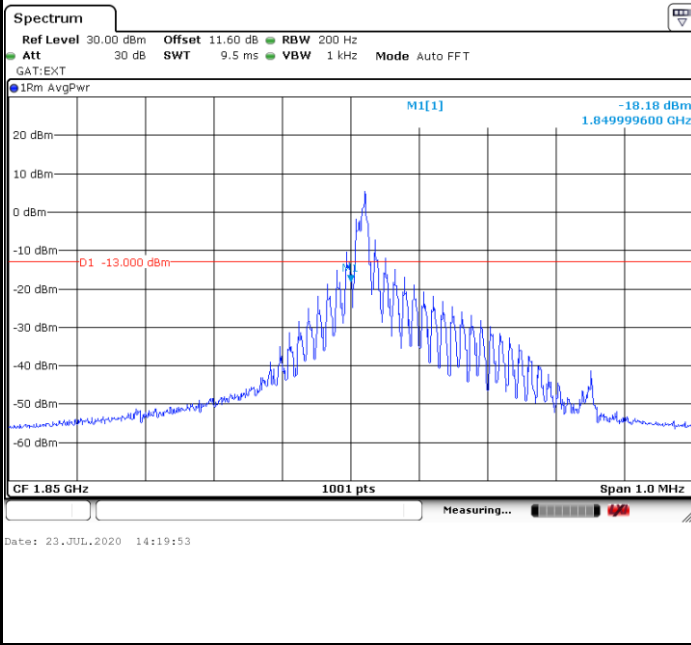




LTE Band 25 / 15kHz / BPSK

Lowest Band Edge / 1 T

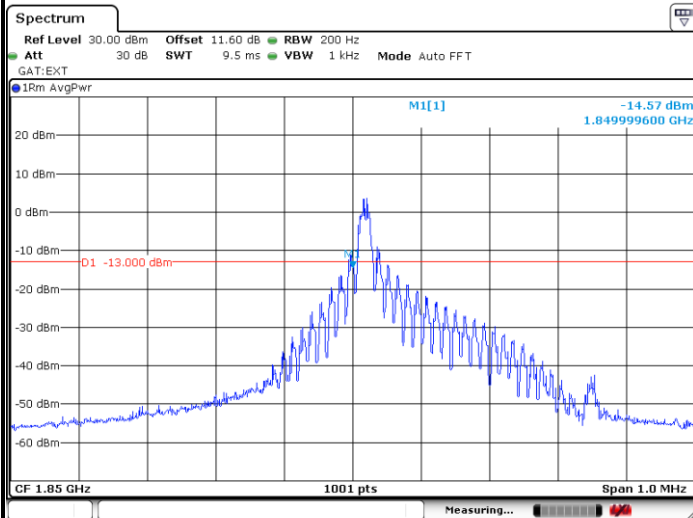
Highest Band Edge / 1 T





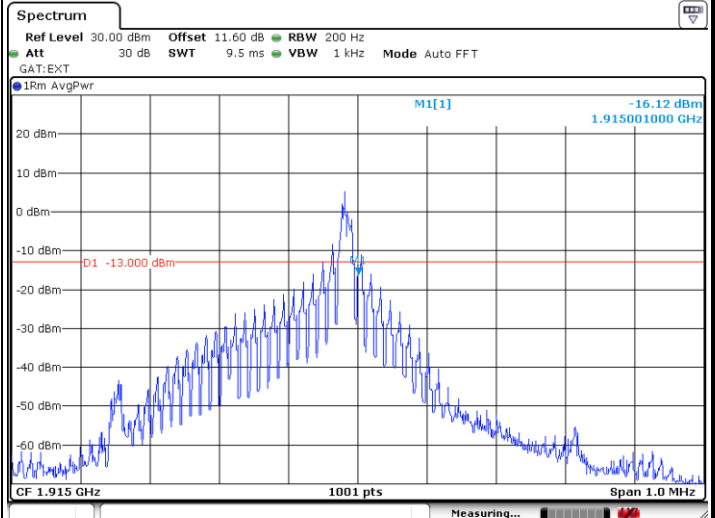
LTE Band 25 / 15kHz / QPSK

Lowest Band Edge / 1 T



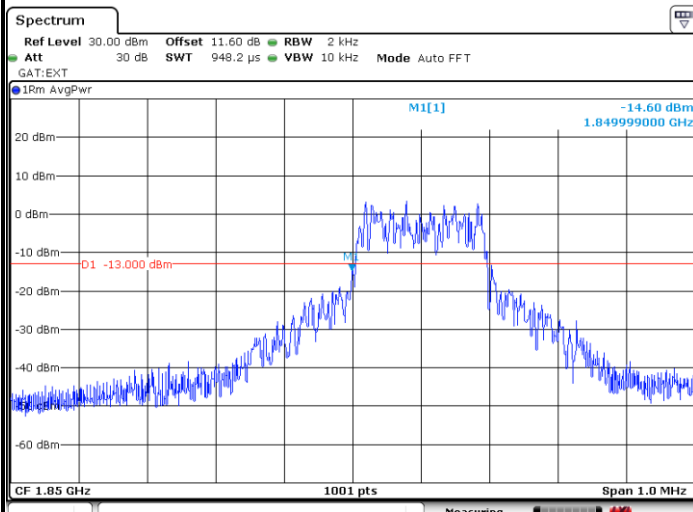
Date: 23.JUL.2020 14:19:30

Highest Band Edge / 1 T



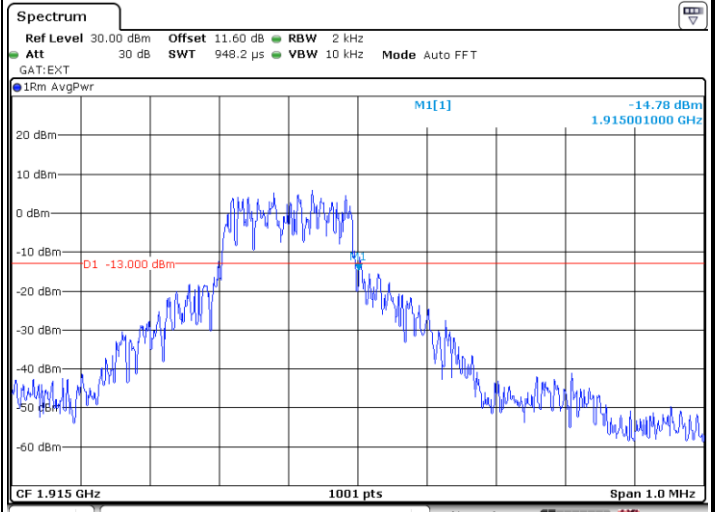
Date: 27.JUL.2020 10:41:18

Lowest Band Edge / Full T



Date: 23.JUL.2020 14:20:25

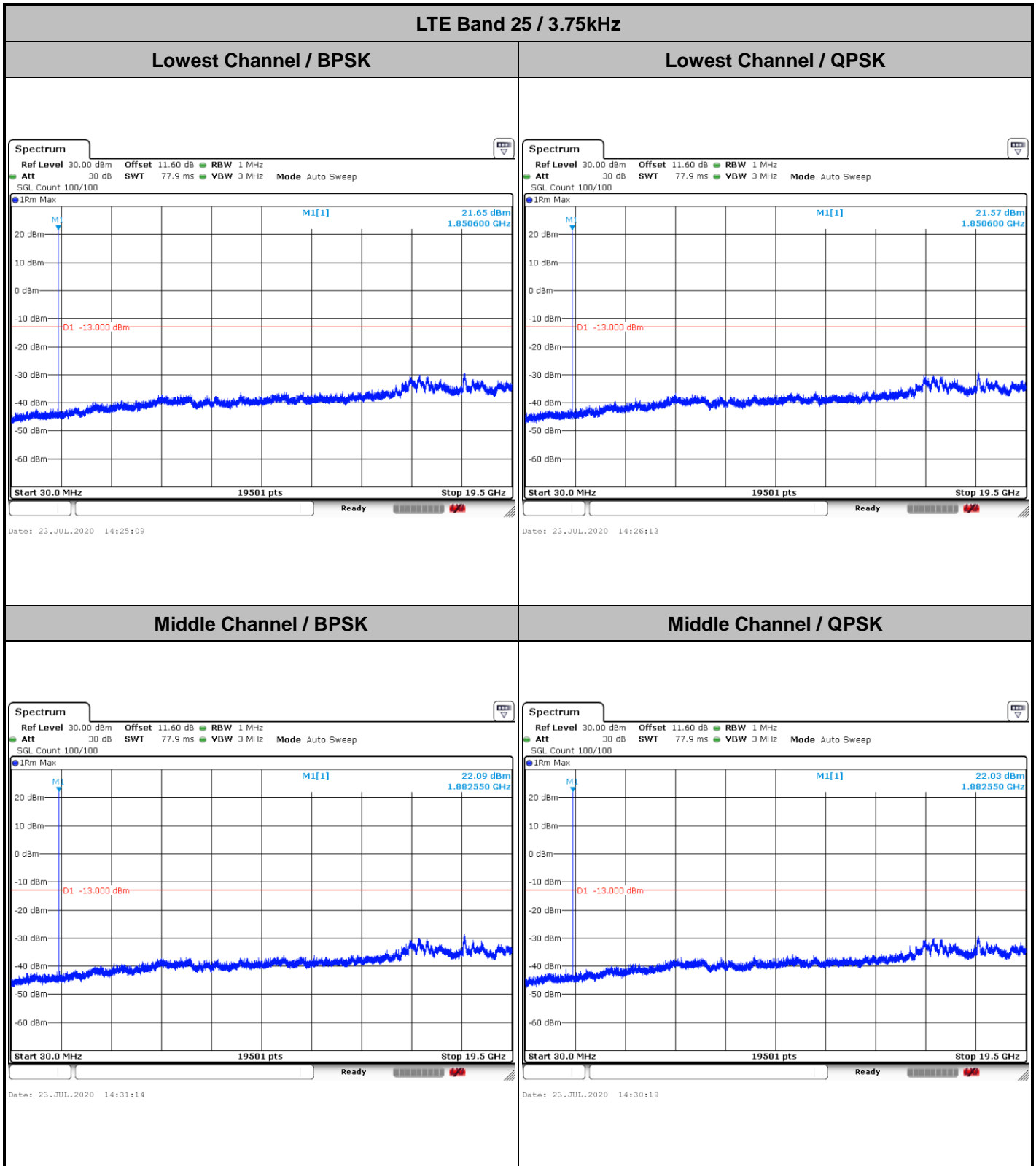
Highest Band Edge / Full T



Date: 27.JUL.2020 10:43:32



# Conducted Spurious Emission

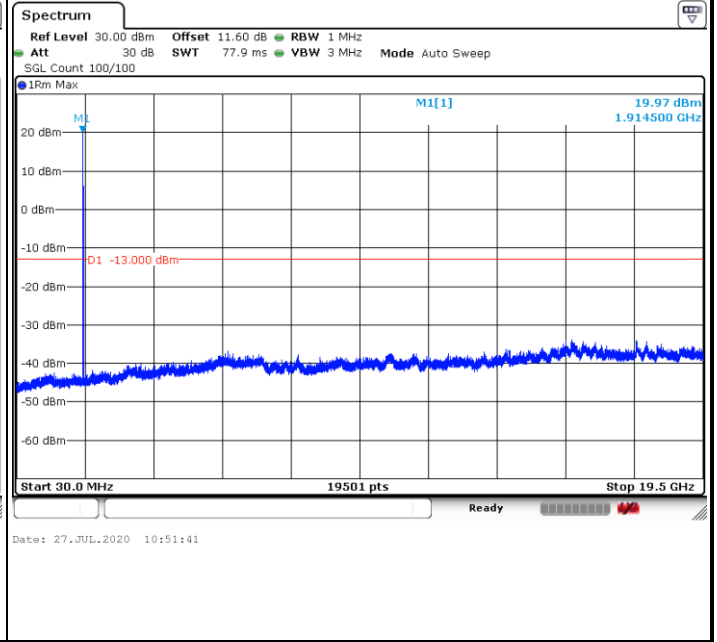
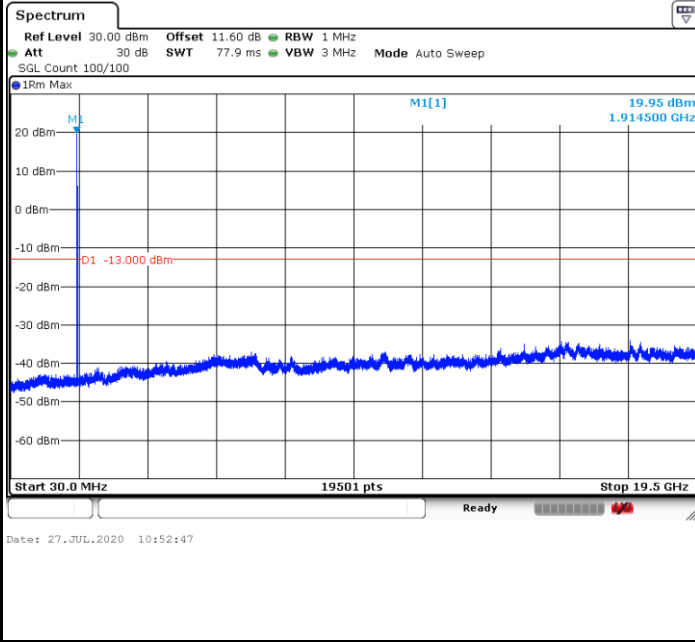




LTE Band 25 / 3.75kHz

Highest Channel / BPSK

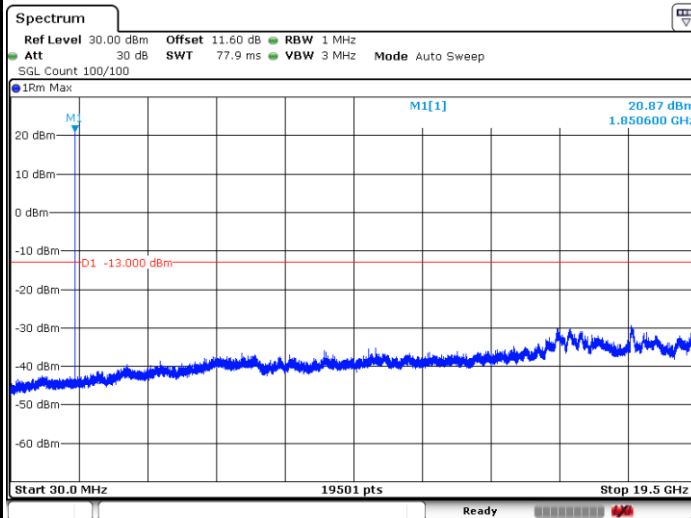
Highest Channel / QPSK



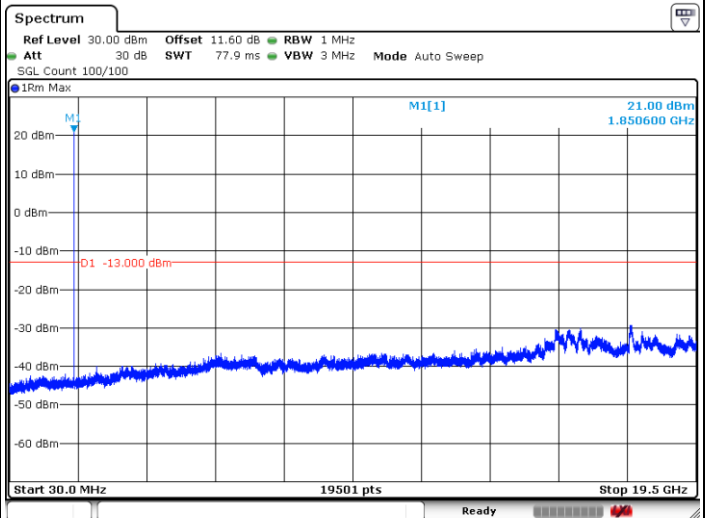


LTE Band 25 / 15kHz

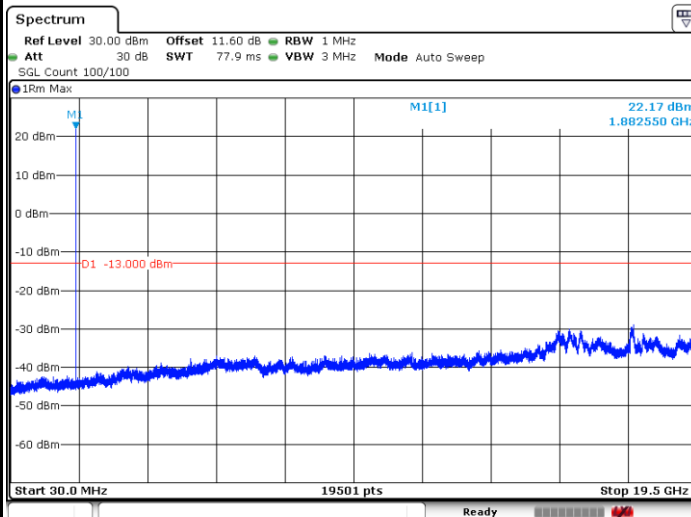
Lowest Channel / BPSK



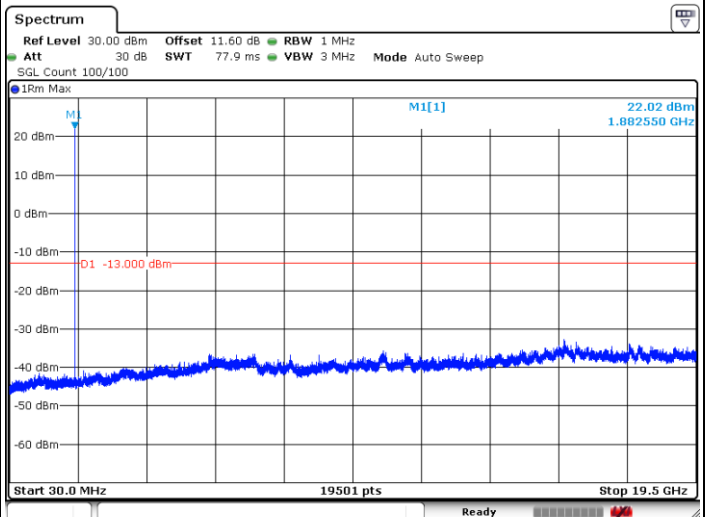
Lowest Channel / QPSK



Middle Channel / BPSK



Middle Channel / QPSK

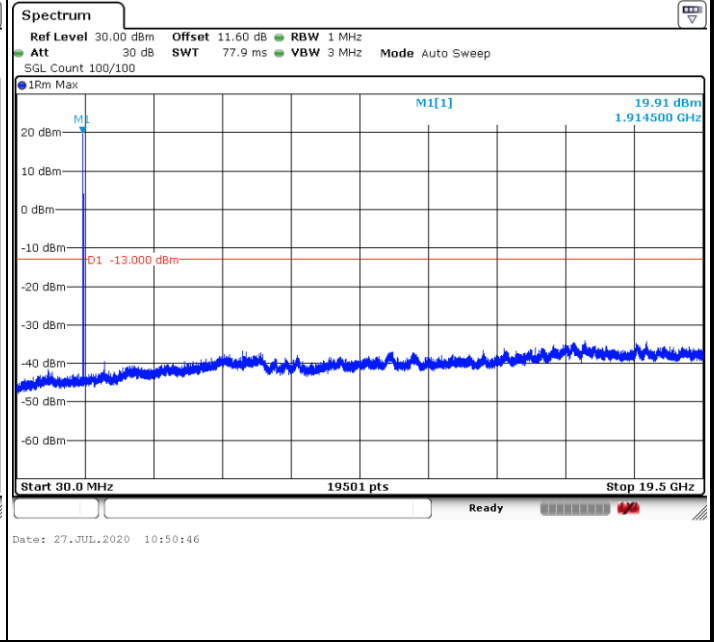
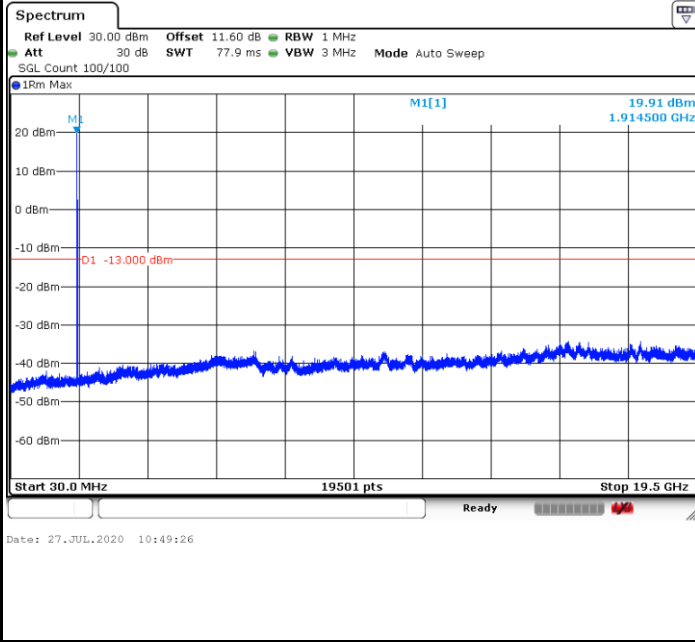




LTE Band 25 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK





**Frequency Stability**

Test Conditions		LTE Band 25 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0092	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0100	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0096	

**Note:**

- 1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 26

### Peak-to-Average Ratio

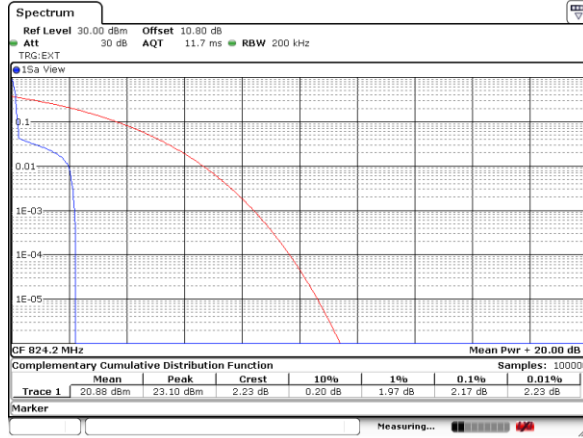
Mode	LTE Band 26 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Lowest CH	2.17	1.68	3.74	PASS
Middle CH	2.17	1.71	3.86	
Highest CH	2.14	1.74	3.94	



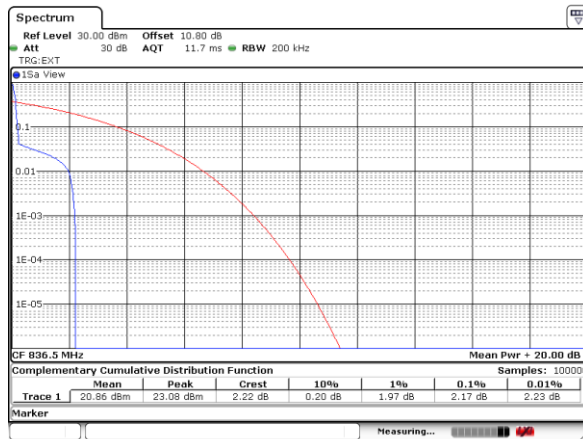


LTE Band 26 / 15kHz / BPSK

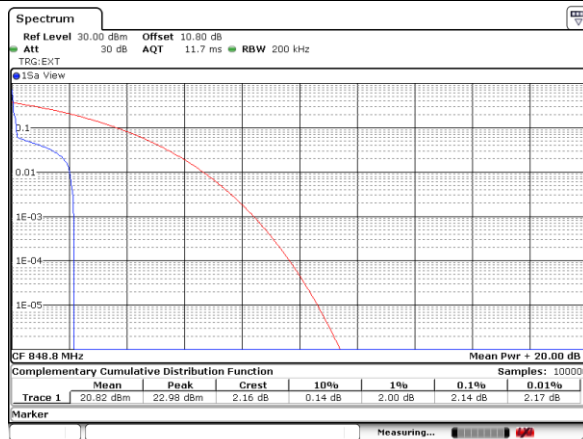
Lowest Channel / 1T



Middle Channel/ 1T



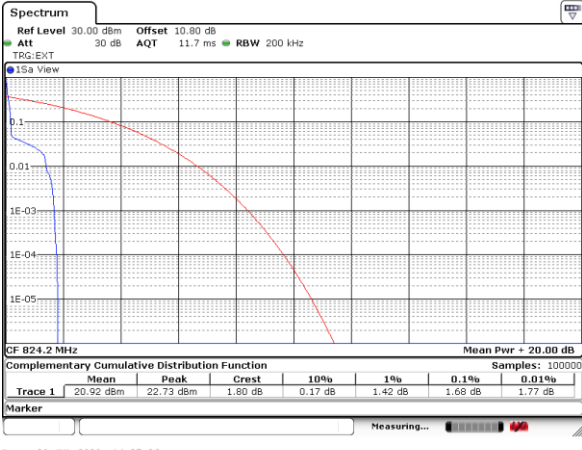
Highest Channel/ 1T



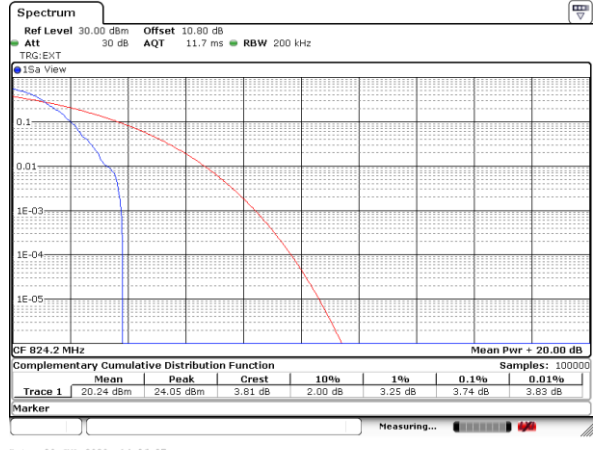


LTE Band 26 / 15kHz / QPSK

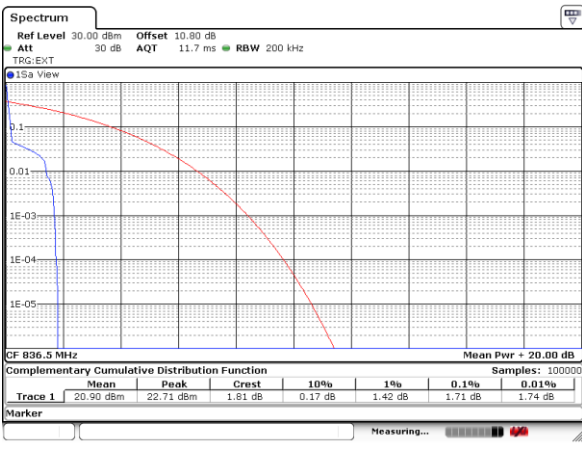
Lowest Channel / 1T



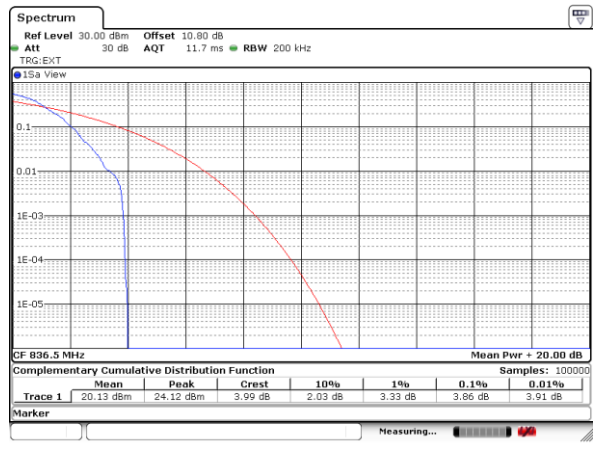
Lowest Channel / Full T



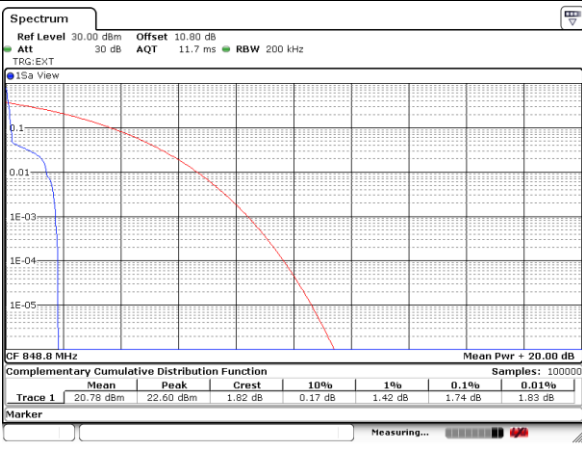
Middle Channel / 1T



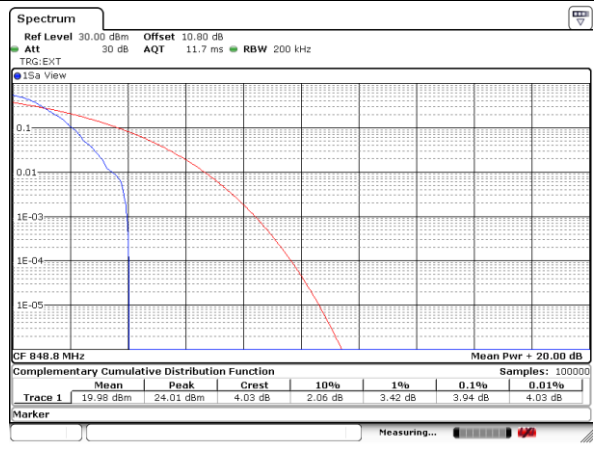
Middle Channel / Full T



Highest Channel / 1T



Highest Channel / Full T





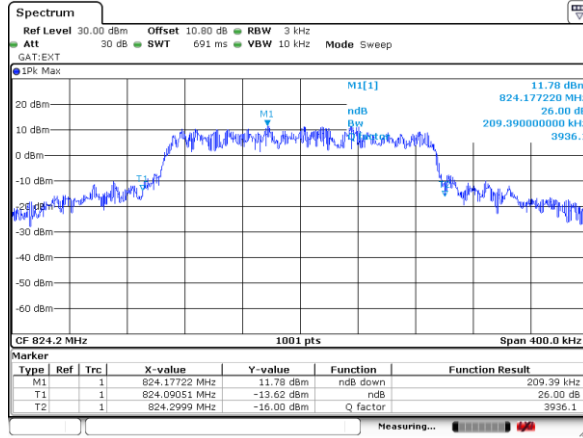
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	209.39
Middle CH	198.20
Highest CH	209.79



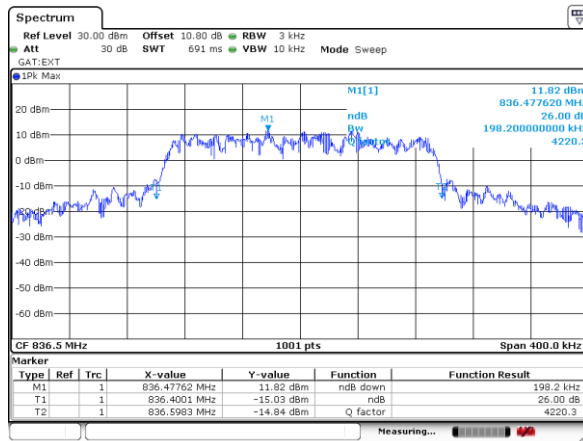
LTE Band 26

Lowest Channel / 15kHz / QPSK



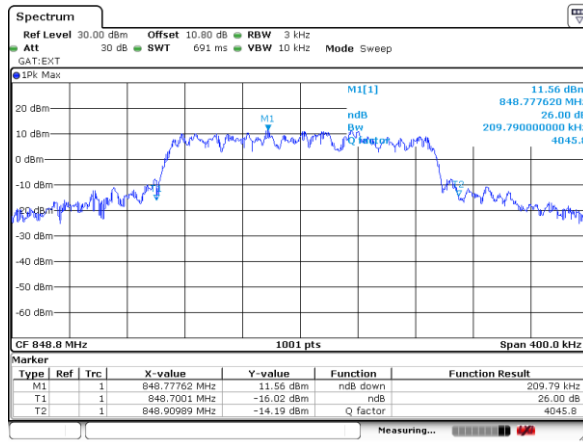
Date: 30.JUL.2020 14:34:40

Middle Channel / 15kHz / QPSK



Date: 25.JUL.2020 14:57:55

Highest Channel / 15kHz / QPSK



Date: 30.JUL.2020 14:43:27



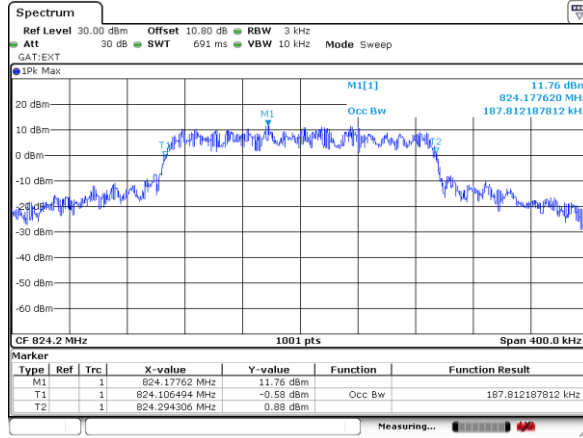
### Occupied Bandwidth

Mode	LTE Band 26 : OB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	187.81
Middle CH	187.01
Highest CH	188.21

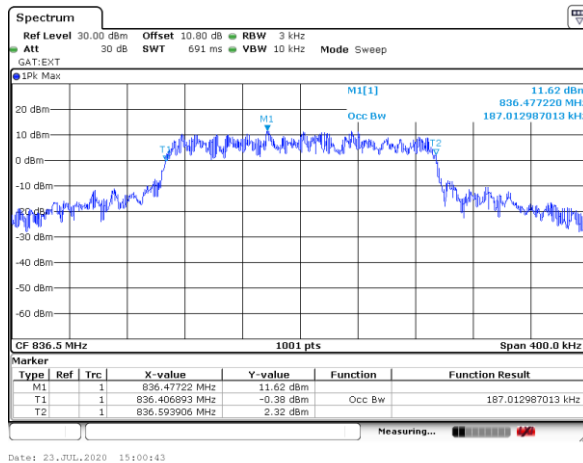


LTE Band 26

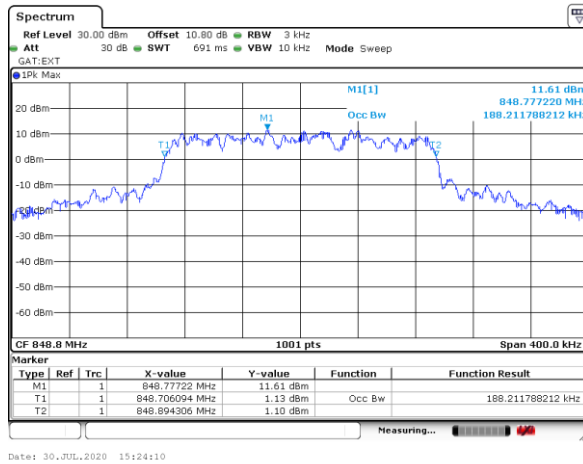
Lowest Channel / 15kHz / QPSK



Middle Channel / 15kHz / QPSK

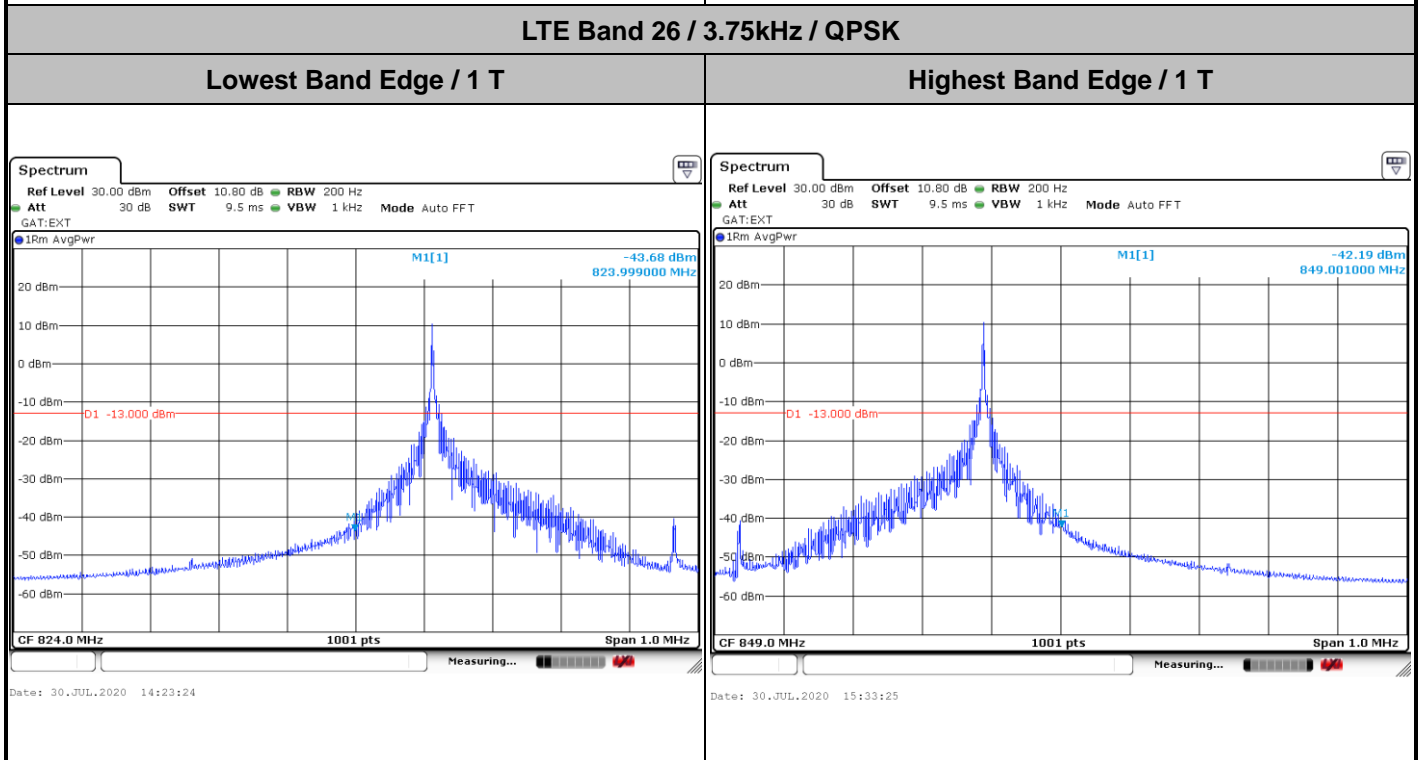
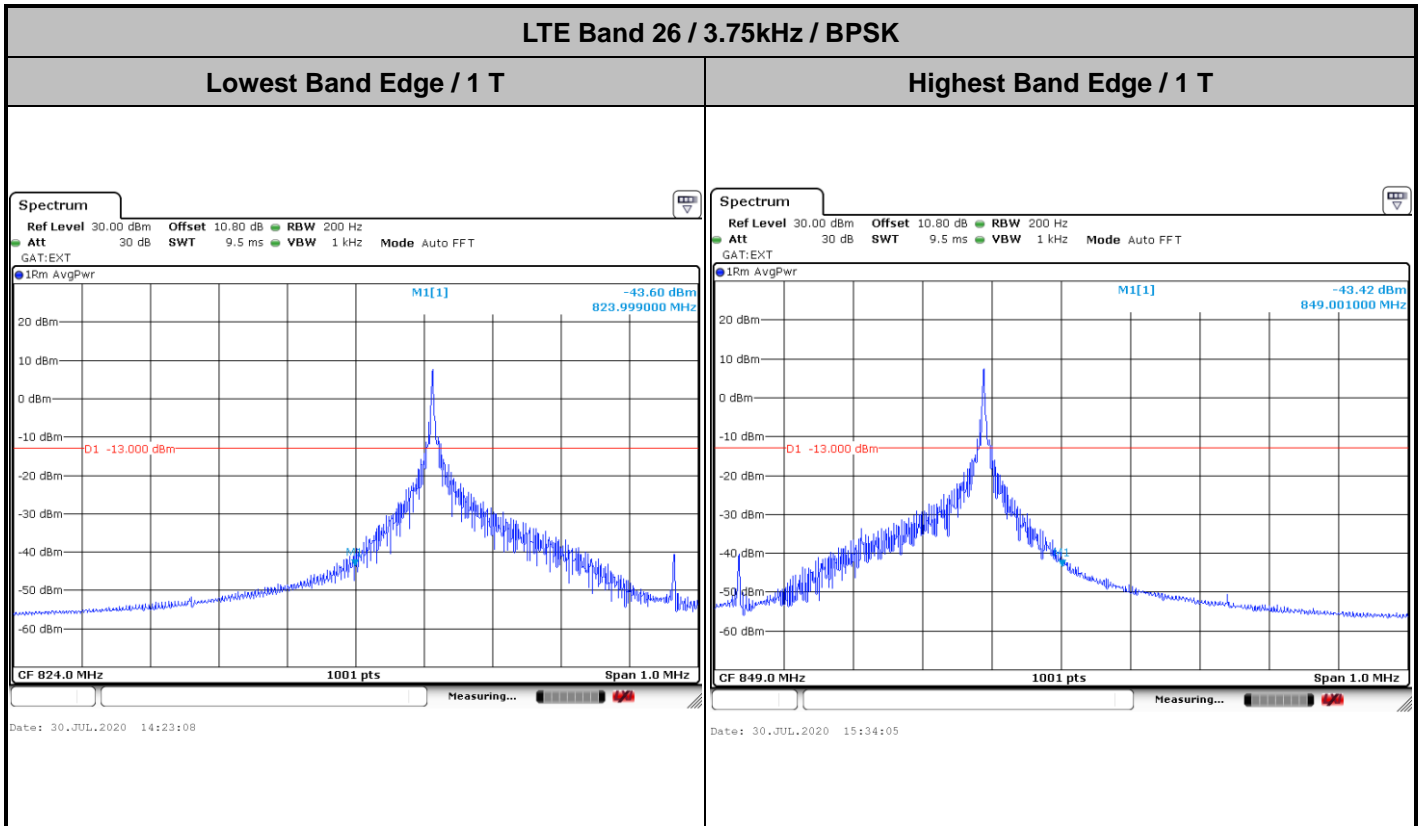


Highest Channel / 15kHz / QPSK





# Conducted Band Edge

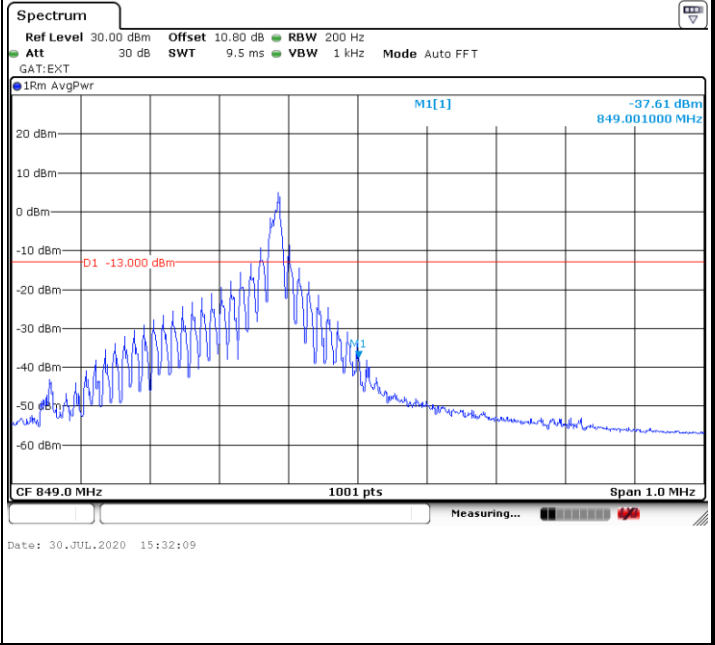
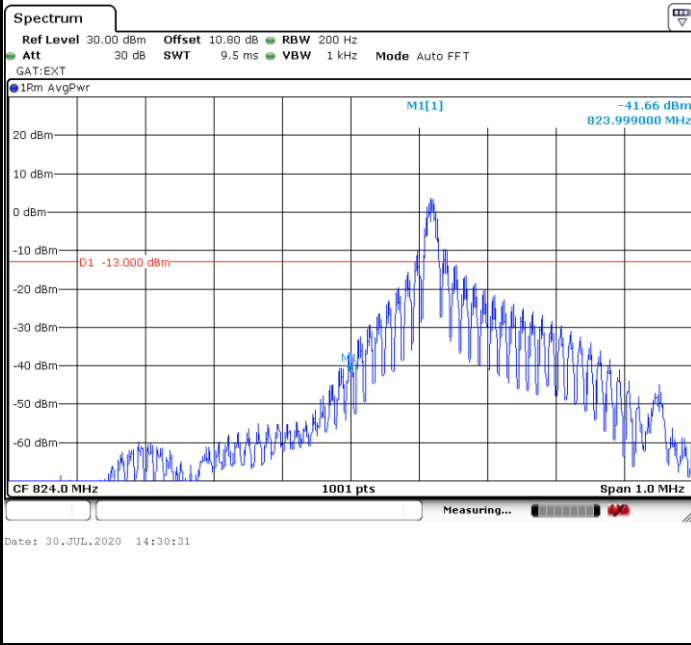




LTE Band 26 / 15kHz / BPSK

Lowest Band Edge / 1 T

Highest Band Edge / 1 T

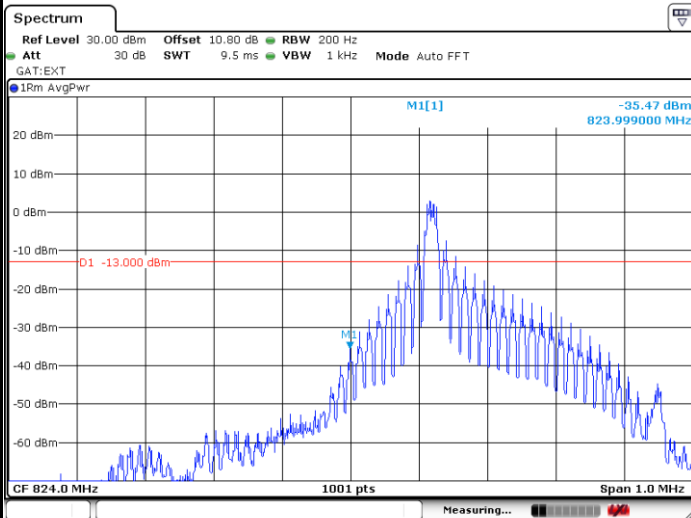




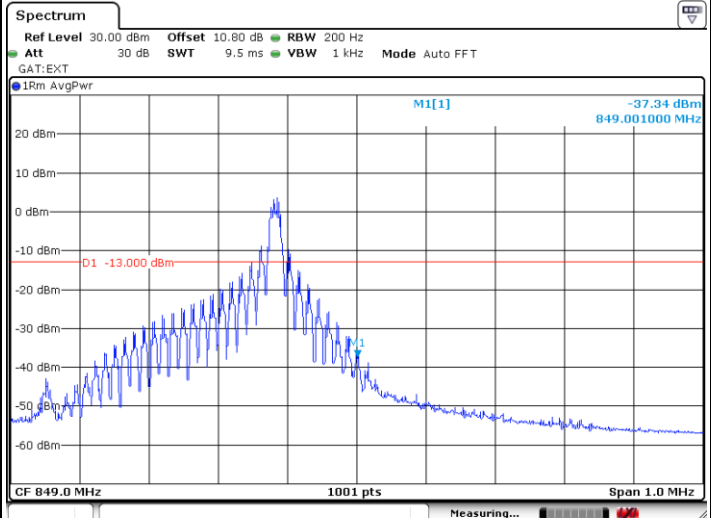


LTE Band 26 / 15kHz / QPSK

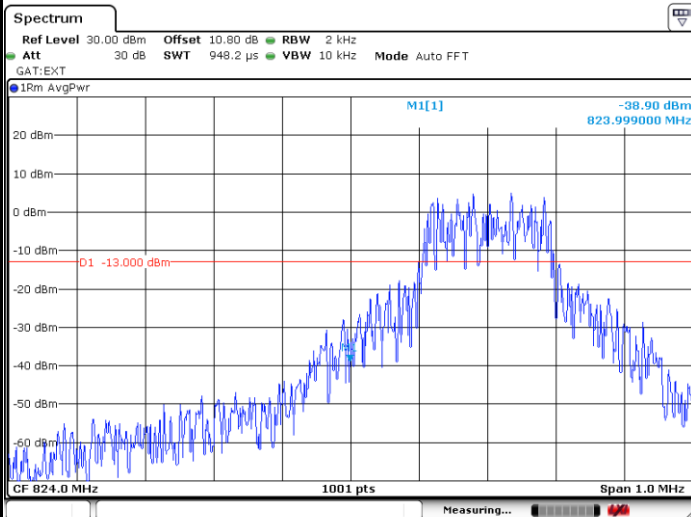
Lowest Band Edge / 1 T



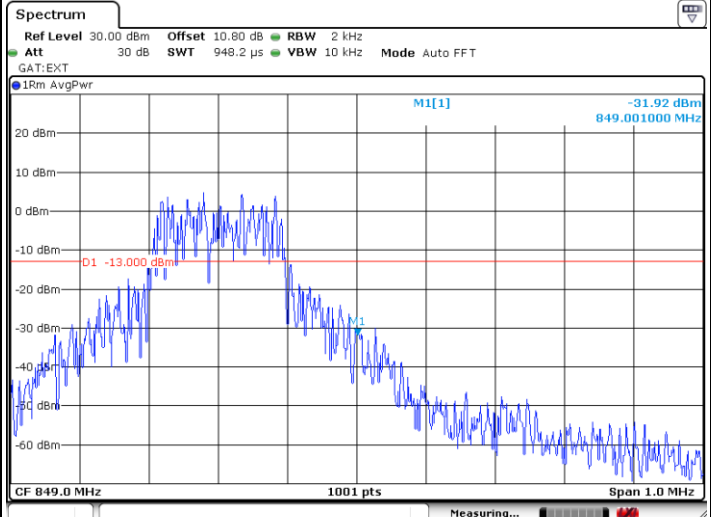
Highest Band Edge / 1 T



Lowest Band Edge / Full T

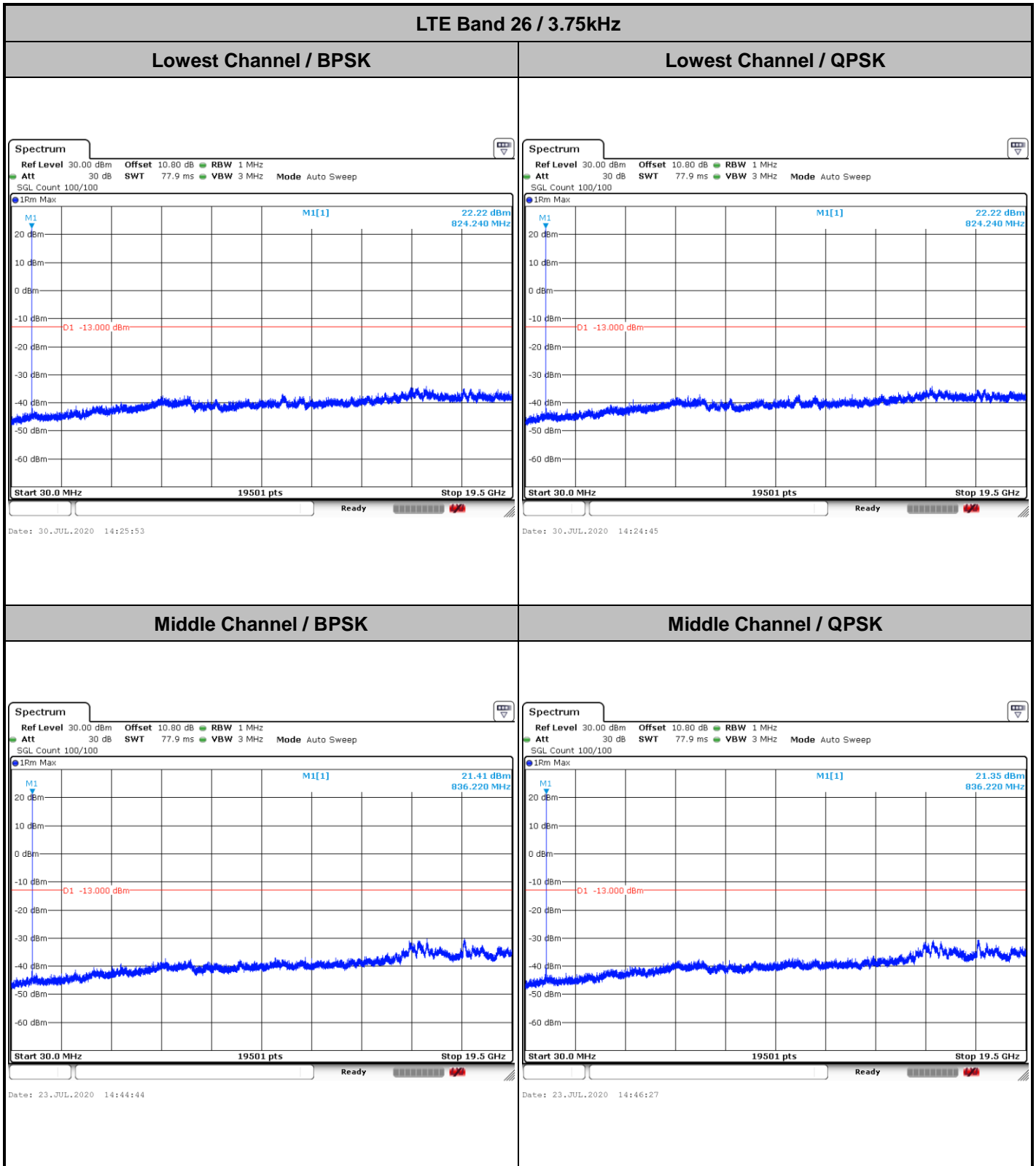


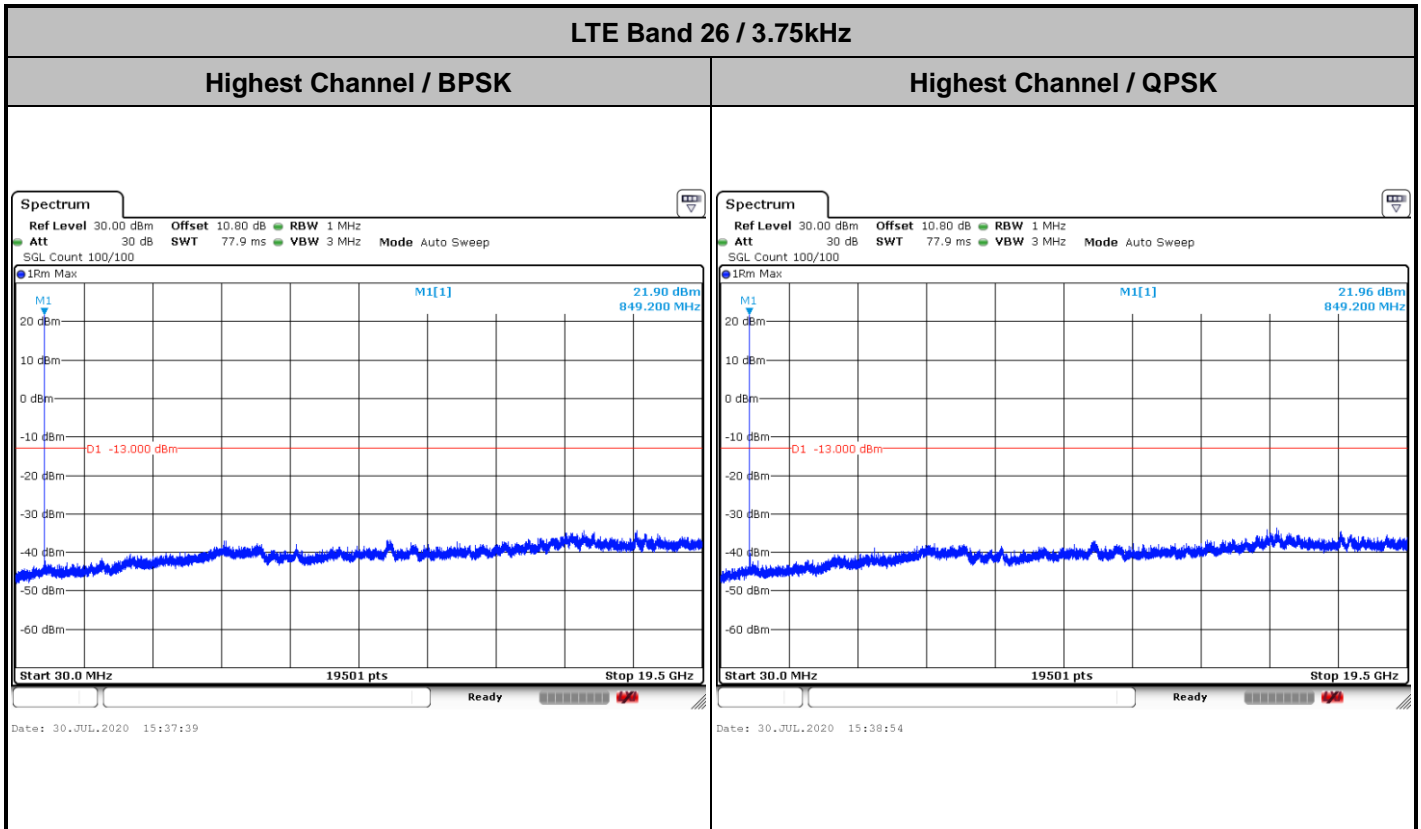
Highest Band Edge / Full T





# Conducted Spurious Emission

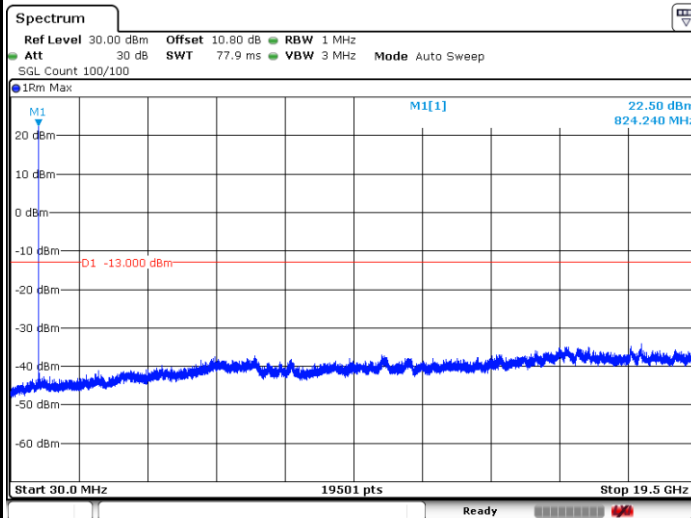




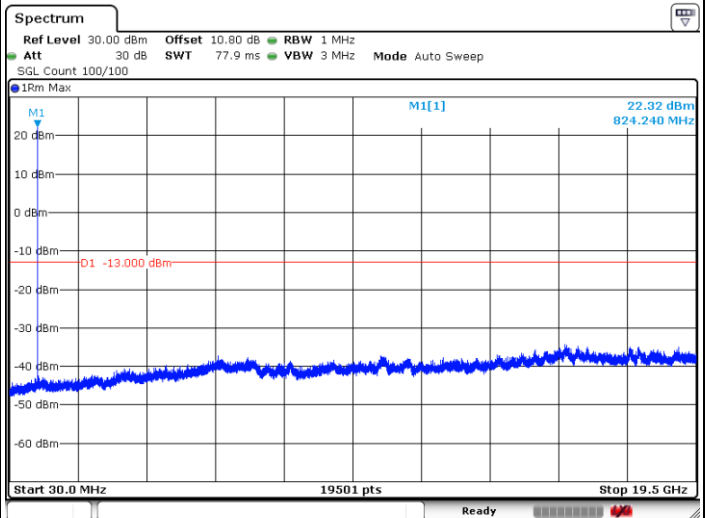


LTE Band 26 / 15kHz

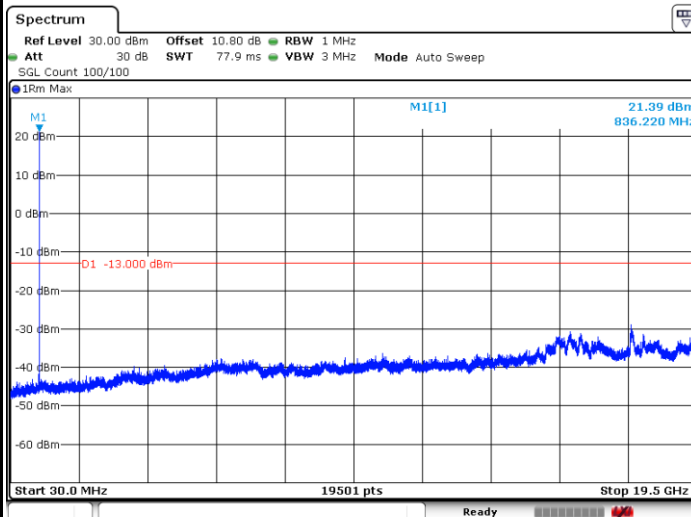
Lowest Channel / BPSK



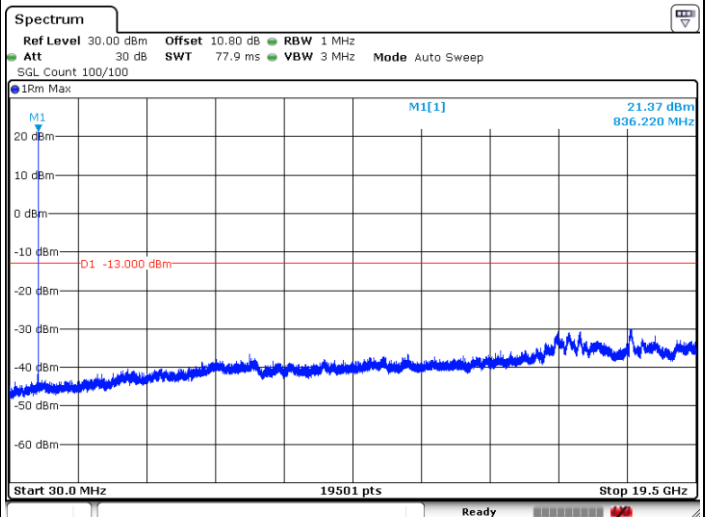
Lowest Channel / QPSK



Middle Channel / BPSK



Middle Channel / QPSK

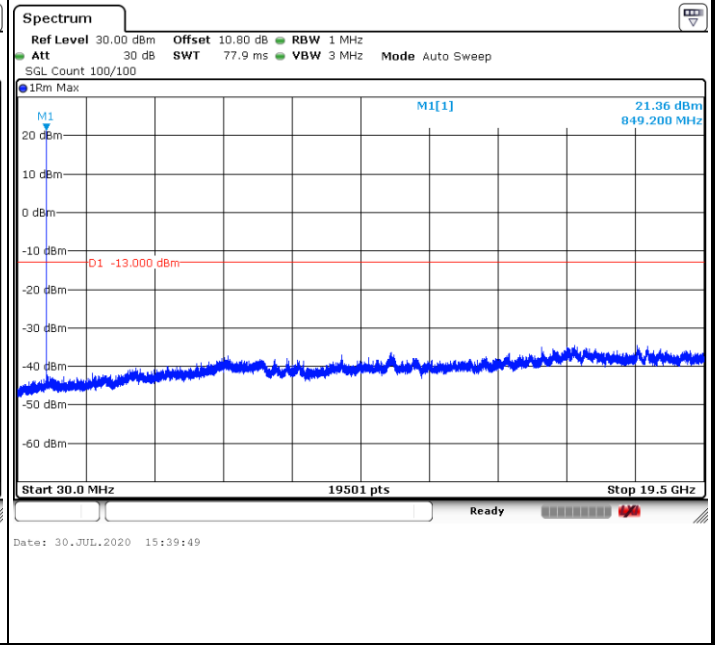
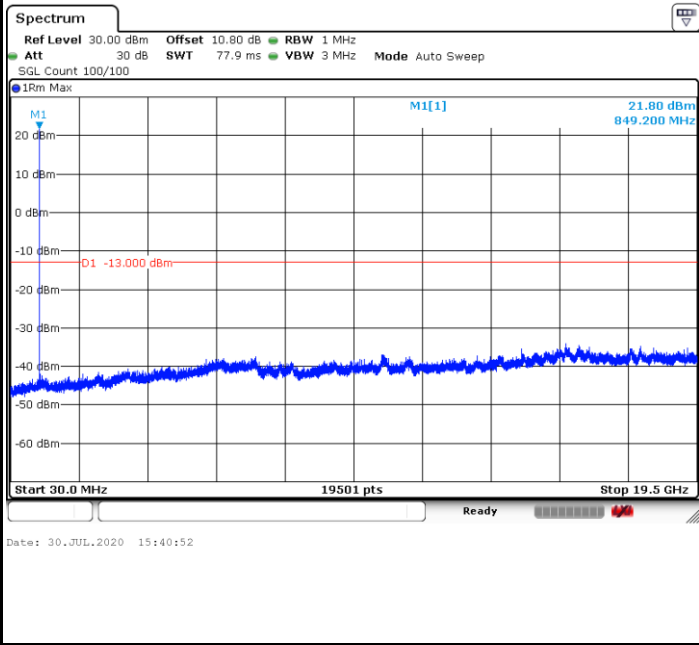




LTE Band 26 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK





**Frequency Stability**

Test Conditions		LTE Band 26 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0137	
30	Normal Voltage	0.0136	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0054	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0075	
-30	Normal Voltage	0.0077	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0179	

**Note:**

- 1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 66

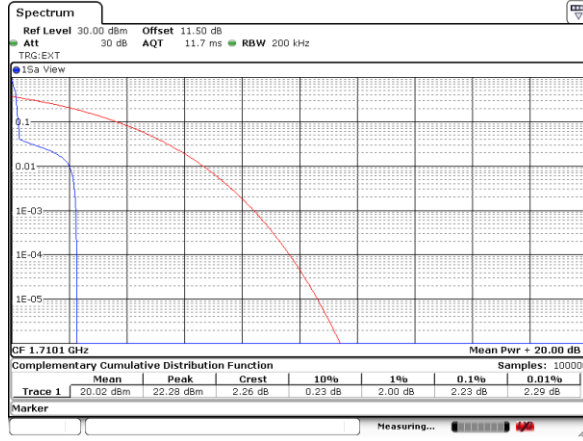
### Peak-to-Average Ratio

Mode	LTE Band 66 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Lowest CH	2.23	1.83	4.38	PASS
Middle CH	2.23	1.83	4.31	
Highest CH	2.23	1.83	4.32	



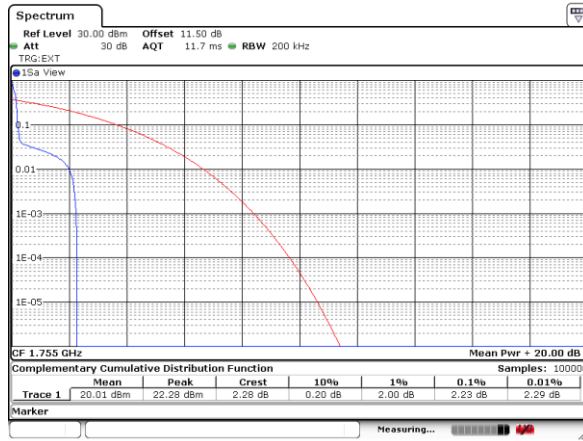
LTE Band 66 / 15kHz / BPSK

Lowest Channel / 1T



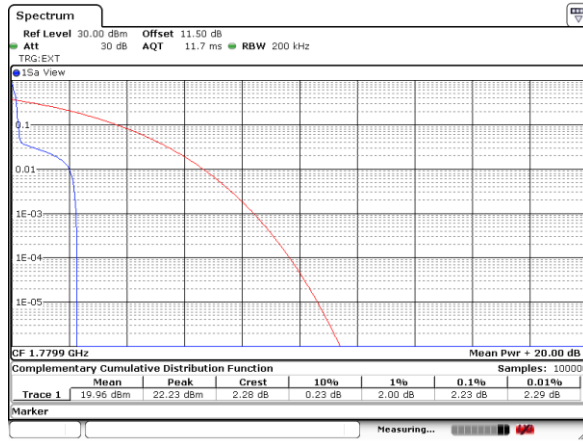
Date: 25.JUL.2020 09:19:42

Middle Channel/ 1T



Date: 25.JUL.2020 09:17:16

Highest Channel/ 1T



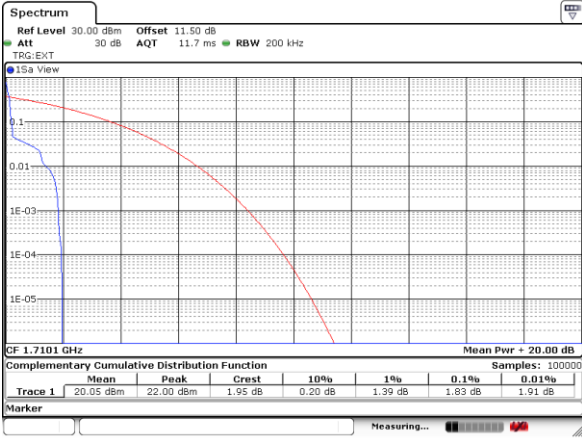
Date: 25.JUL.2020 09:47:08





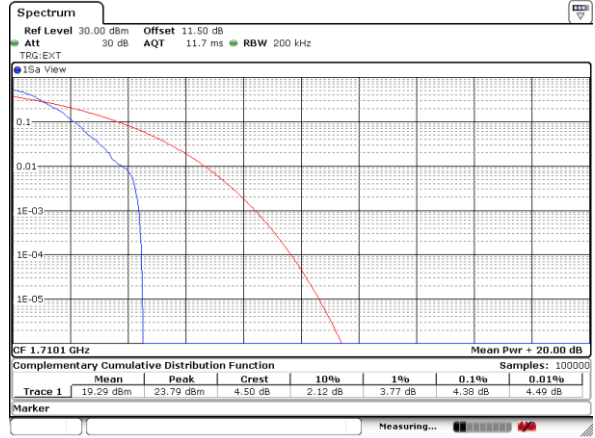
LTE Band 66 / 15kHz / QPSK

Lowest Channel / 1T



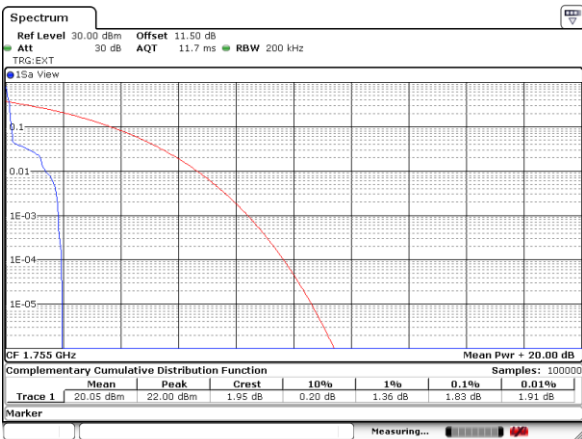
Date: 25\_JUL\_2020 09:20:07

Lowest Channel / Full T



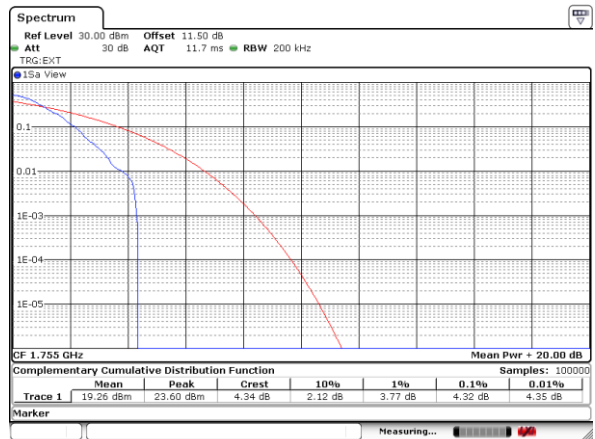
Date: 25\_JUL\_2020 09:20:24

Middle Channel / 1T



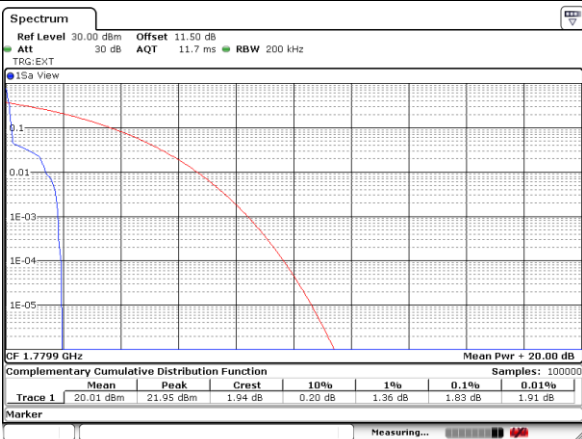
Date: 25\_JUL\_2020 09:16:53

Middle Channel / Full T



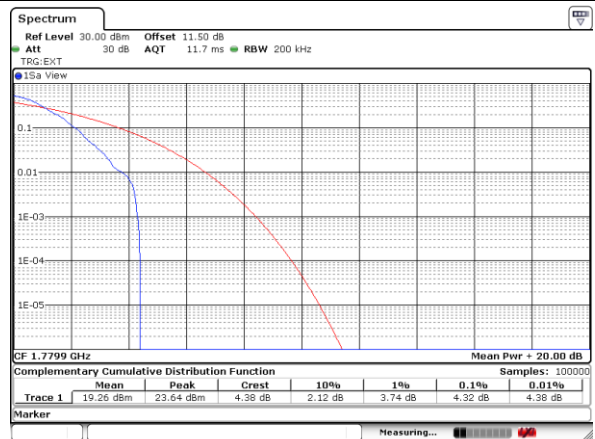
Date: 25\_JUL\_2020 09:16:08

Highest Channel / 1T



Date: 25\_JUL\_2020 09:16:38

Highest Channel / Full T



Date: 25\_JUL\_2020 09:16:10



**26dB Bandwidth**

Mode	LTE Band 66 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	198.20
Middle CH	206.59
Highest CH	208.99