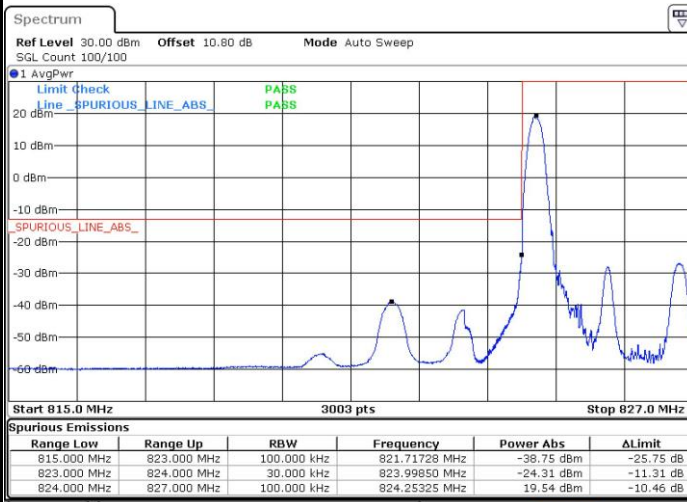




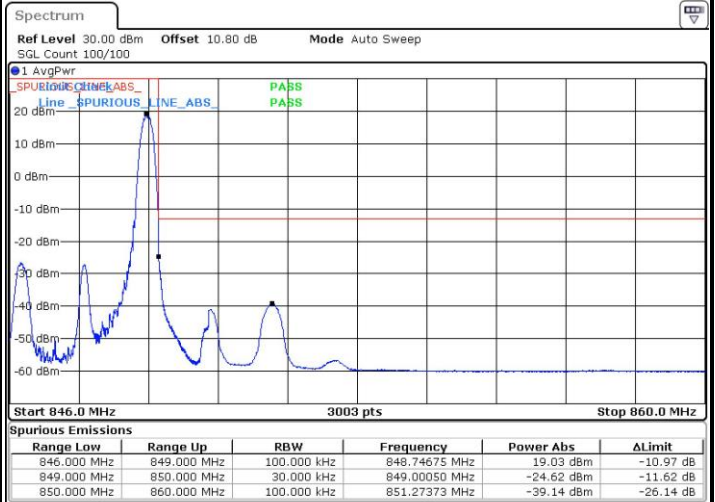
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



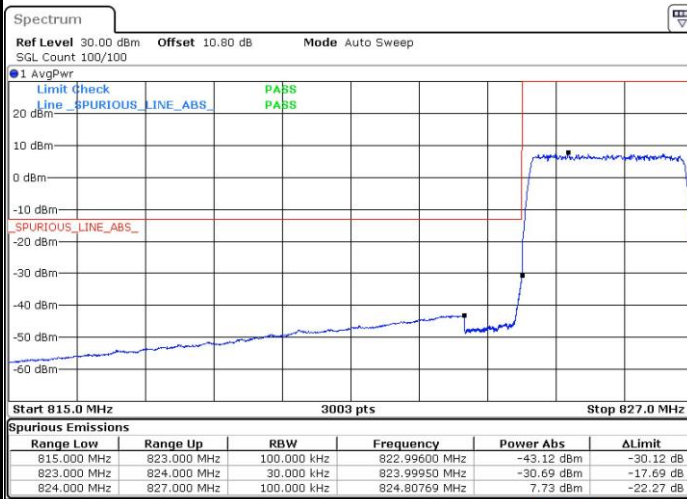
Date: 6 JUL 2018 16:58:08

Highest Band Edge / 1 RB



Date: 6 JUL 2018 17:05:03

Lowest Band Edge / Full RB



Date: 6 JUL 2018 17:00:48

Highest Band Edge / Full RB



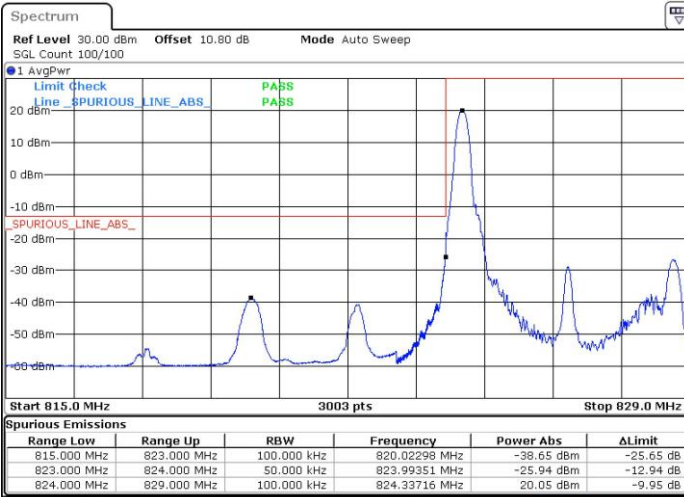
Date: 6 JUL 2018 17:06:43



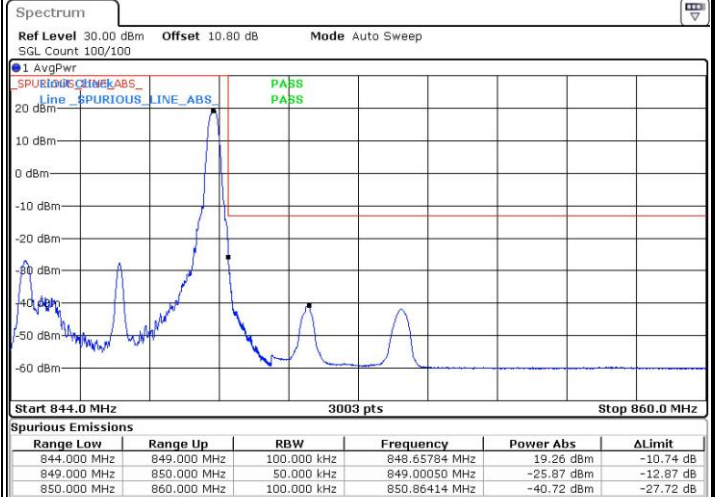
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



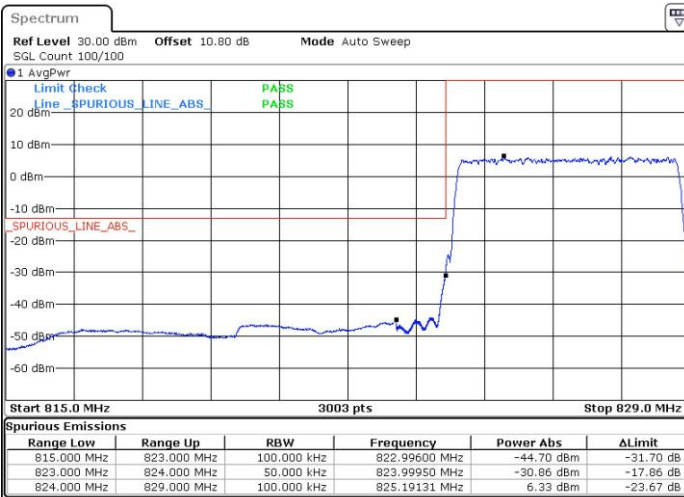
Date: 6 JUL 2018 16:17:13



Date: 6 JUL 2018 16:29:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6 JUL 2018 16:20:33

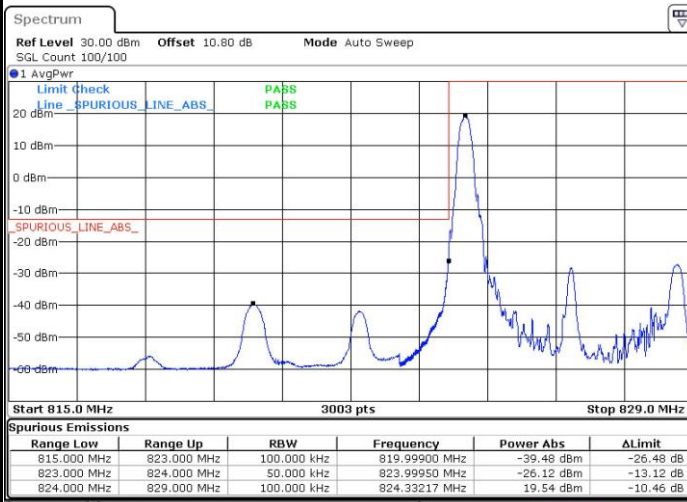


Date: 6 JUL 2018 16:32:26



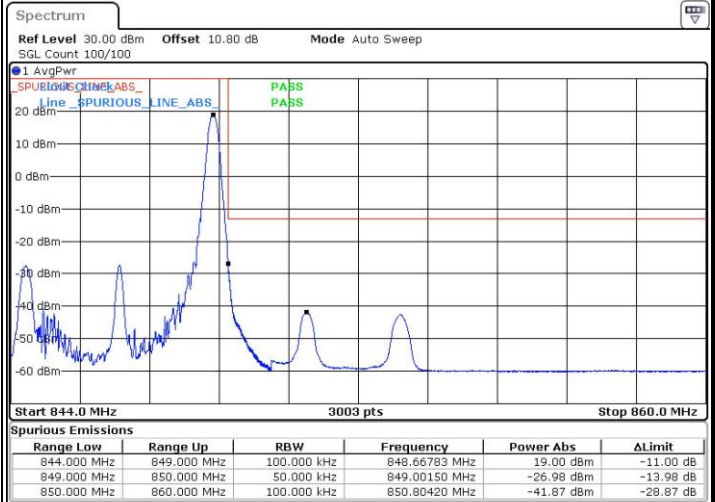
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



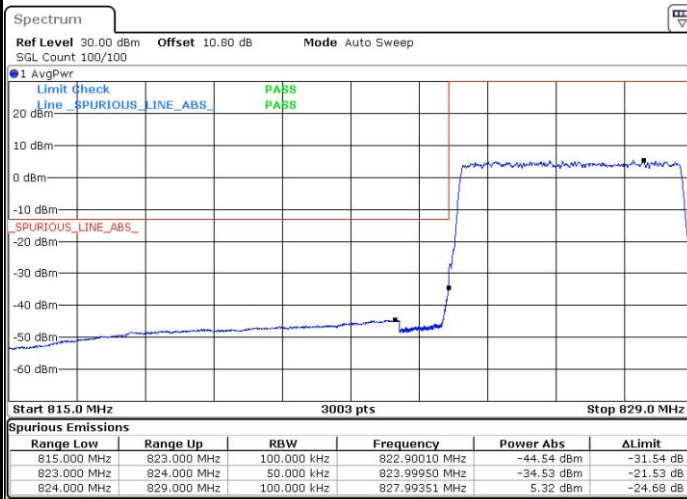
Date: 6 JUL 2018 16:18:53

Highest Band Edge / 1 RB



Date: 6 JUL 2018 16:30:46

Lowest Band Edge / Full RB



Date: 6 JUL 2018 16:22:14

Highest Band Edge / Full RB

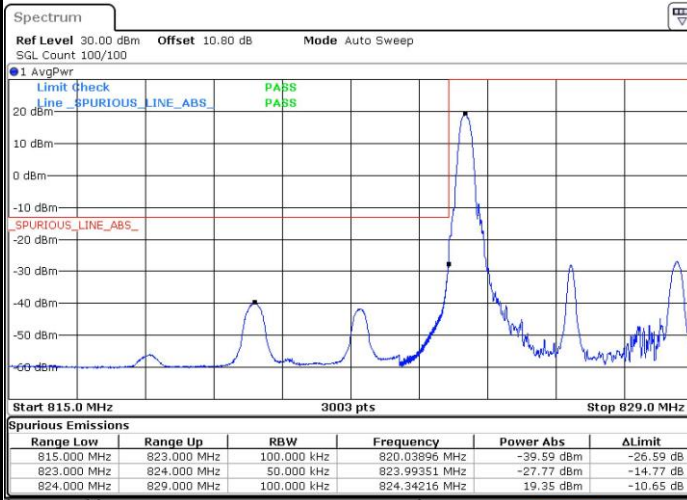


Date: 6 JUL 2018 16:34:06



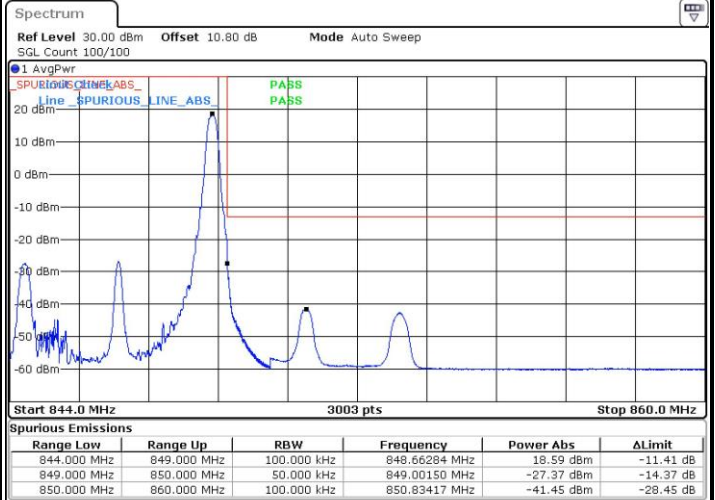
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



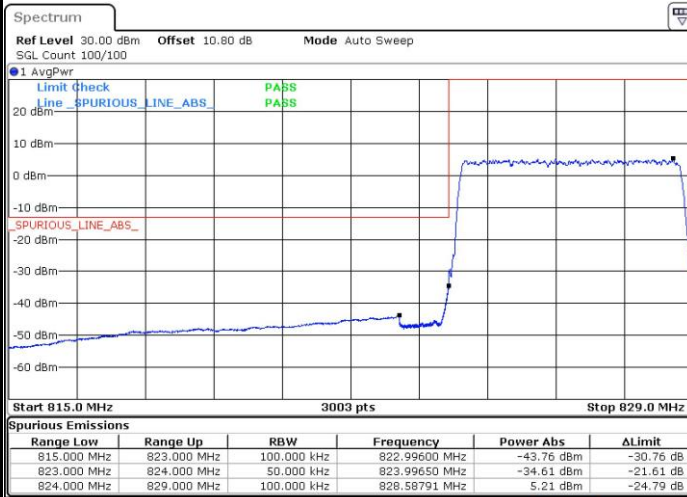
Date: 6 JUL 2018 17:09:41

Highest Band Edge / 1 RB



Date: 6 JUL 2018 17:15:37

Lowest Band Edge / Full RB



Date: 6 JUL 2018 17:11:22

Highest Band Edge / Full RB

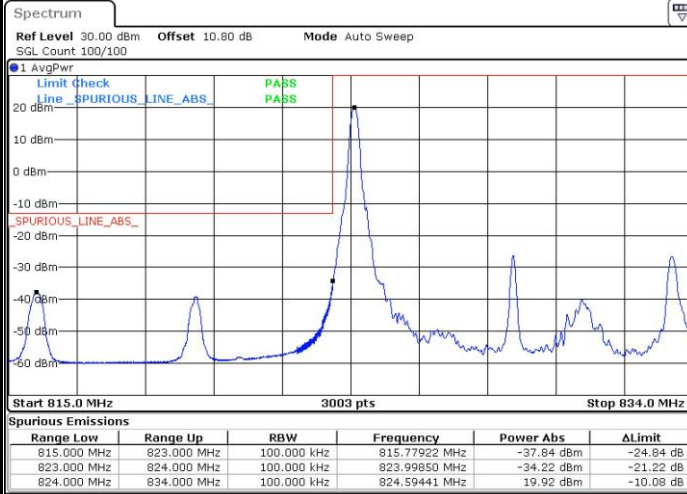


Date: 6 JUL 2018 17:17:17



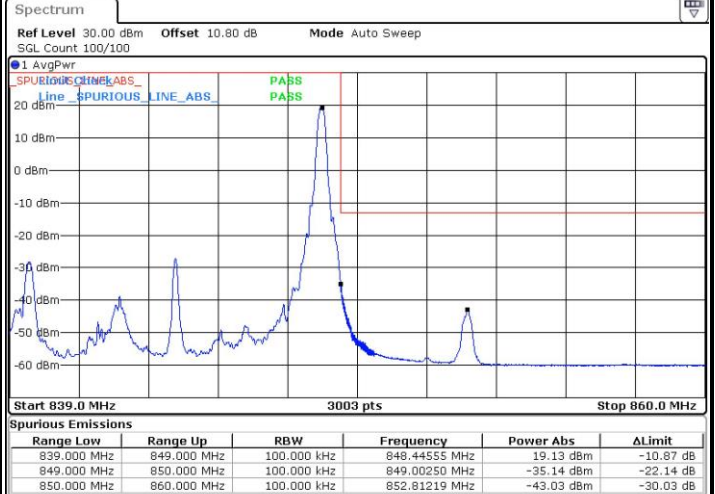
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



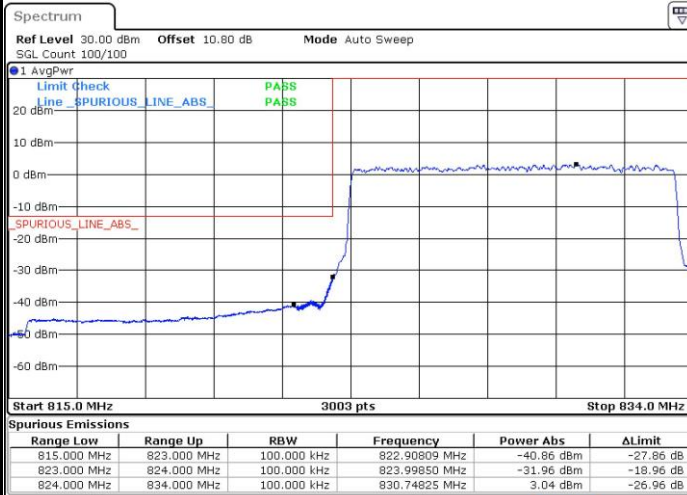
Date: 6 JUL 2018 16:38:22

Highest Band Edge / 1 RB



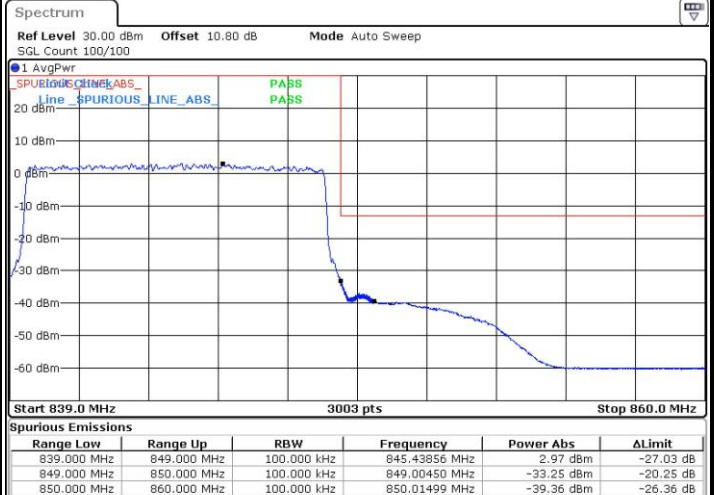
Date: 6 JUL 2018 16:50:14

Lowest Band Edge / Full RB



Date: 6 JUL 2018 16:41:42

Highest Band Edge / Full RB

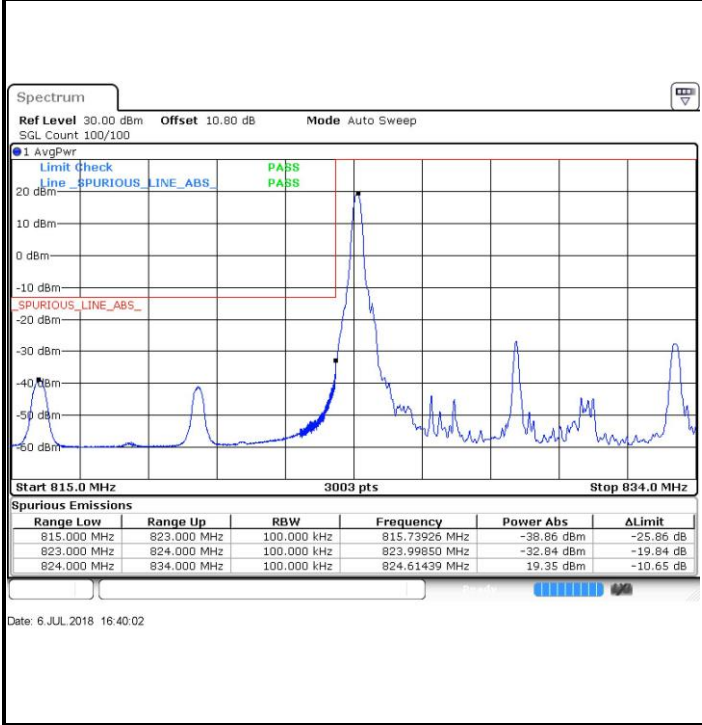


Date: 6 JUL 2018 16:53:34

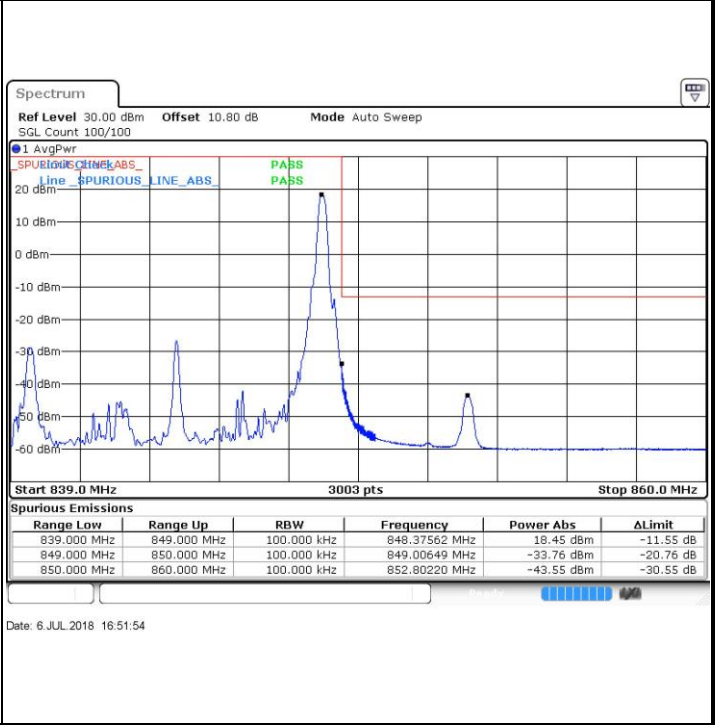


LTE Band 5 / 10MHz / 16QAM

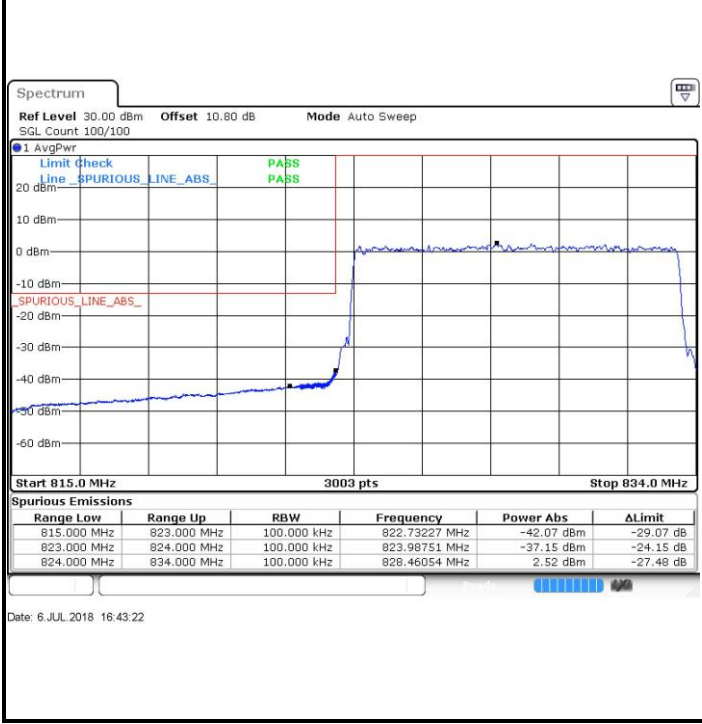
Lowest Band Edge / 1 RB



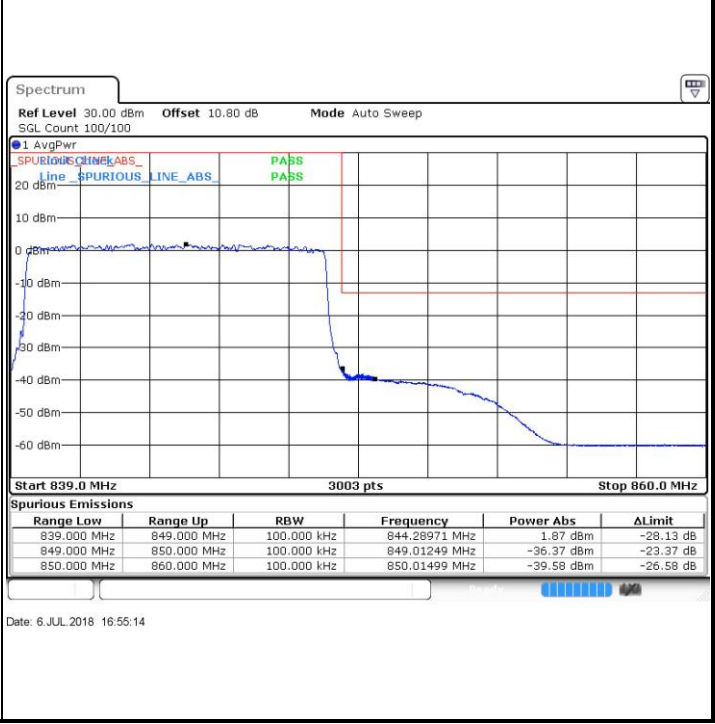
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



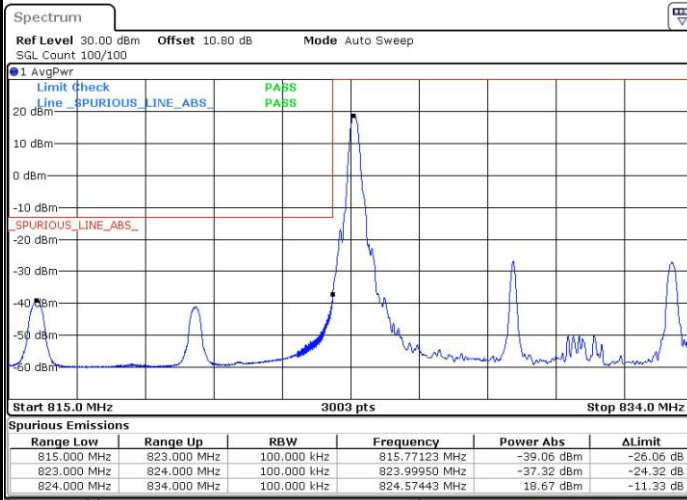
Highest Band Edge / Full RB





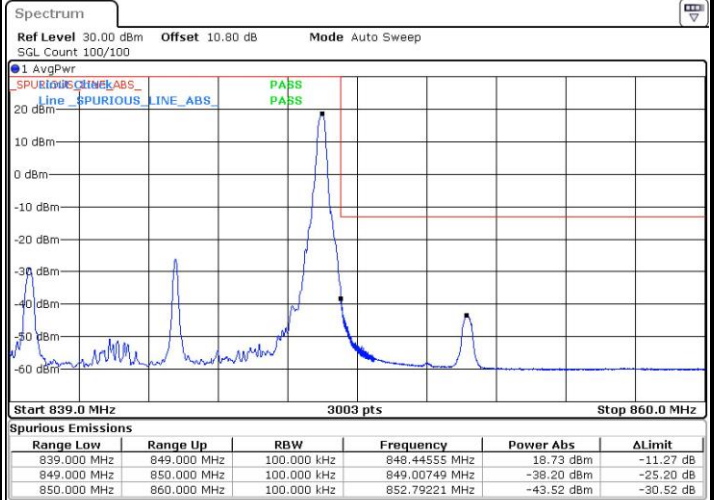
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



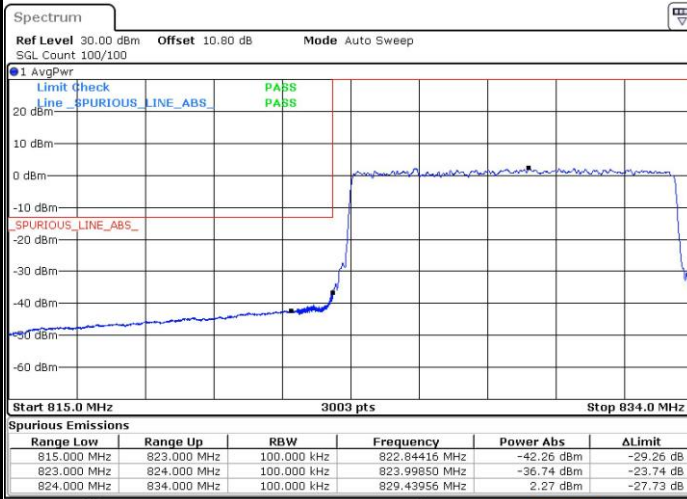
Date: 6 JUL 2018 17:20:15

Highest Band Edge / 1 RB



Date: 6 JUL 2018 17:26:12

Lowest Band Edge / Full RB



Date: 6 JUL 2018 17:21:56

Highest Band Edge / Full RB



Date: 6 JUL 2018 17:27:52



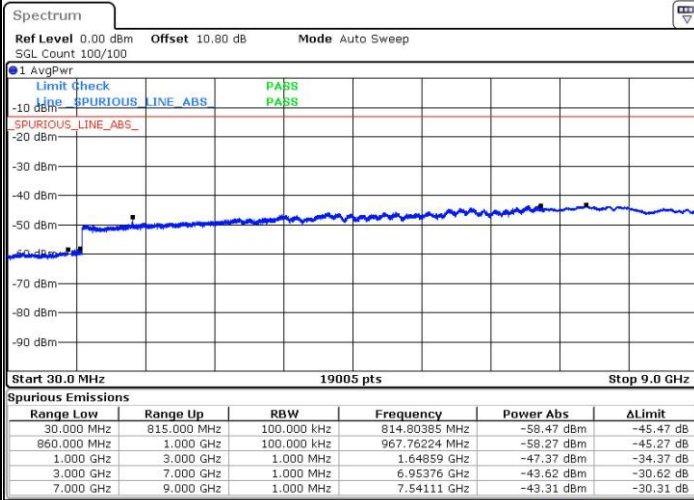
Conducted Spurious Emission



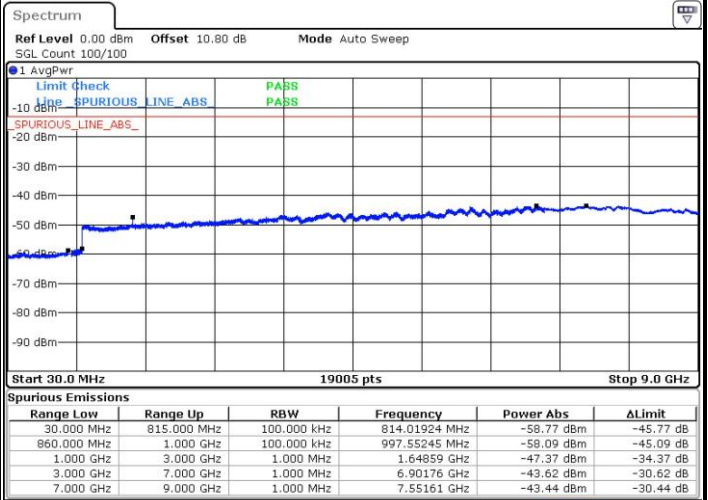
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



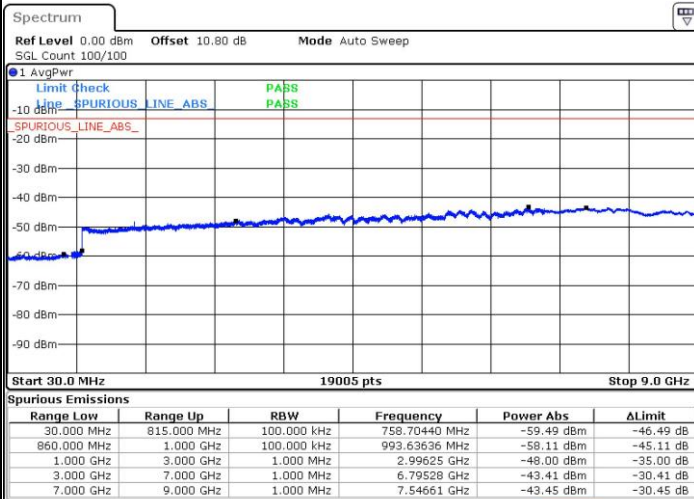
Date: 6 JUL 2018 17:47:42



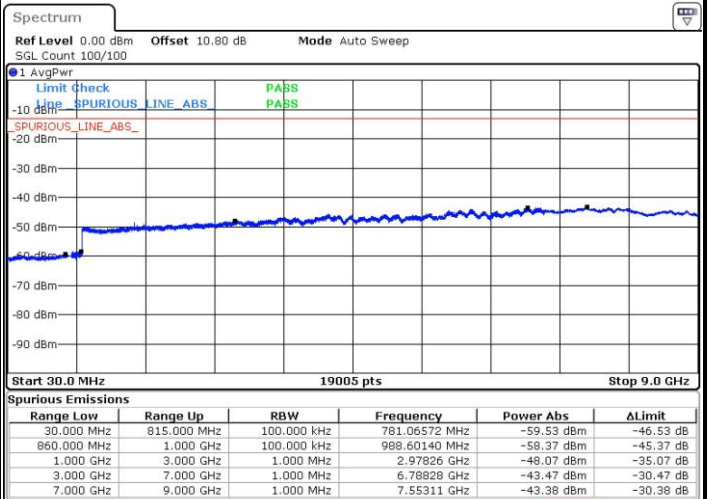
Date: 6 JUL 2018 17:48:38

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 JUL 2018 17:50:18

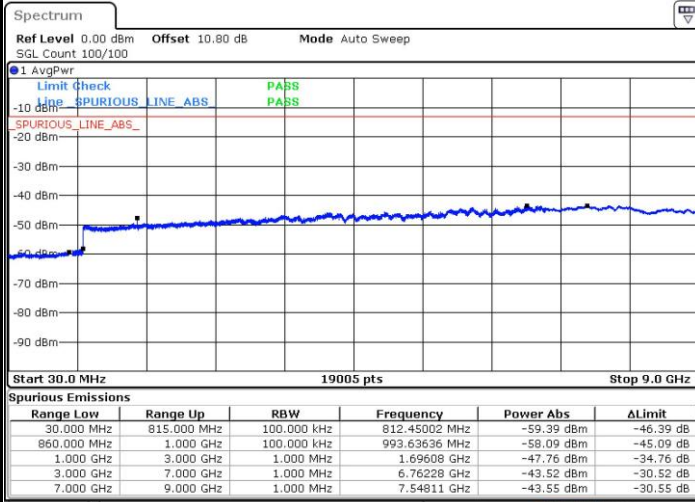


Date: 6 JUL 2018 17:51:13



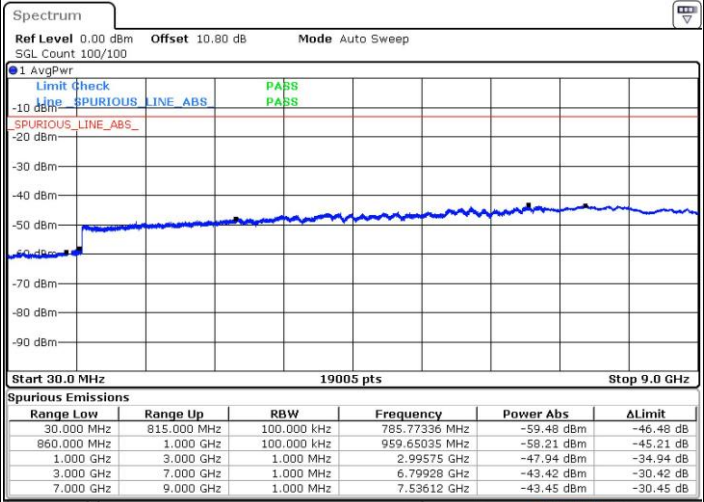
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 6 JUL 2018 17:59:34

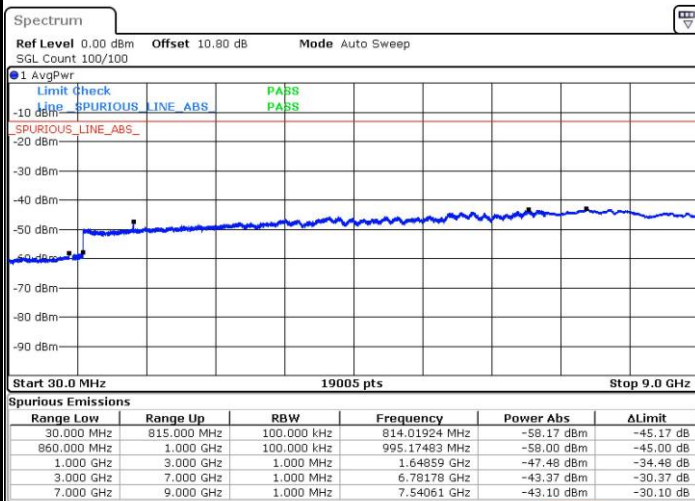
Highest Channel / 16QAM



Date: 6 JUL 2018 18:00:29

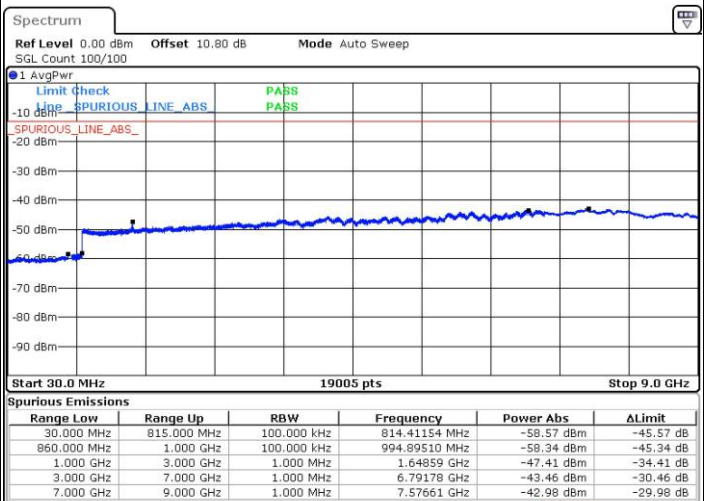
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 6 JUL 2018 13:48:55

Lowest Channel / 16QAM



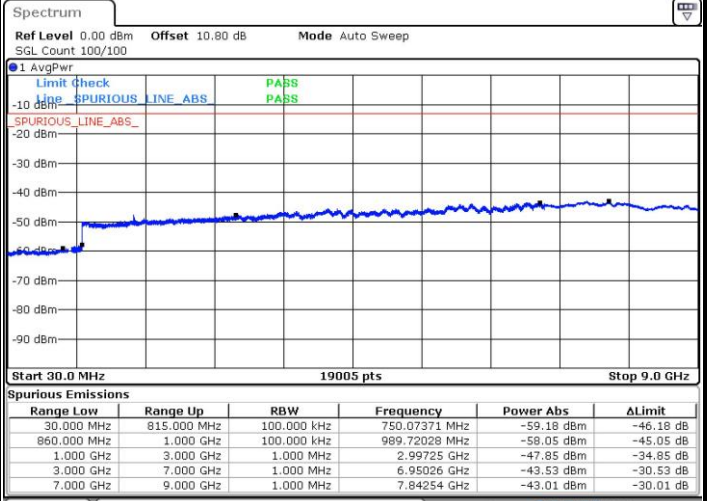
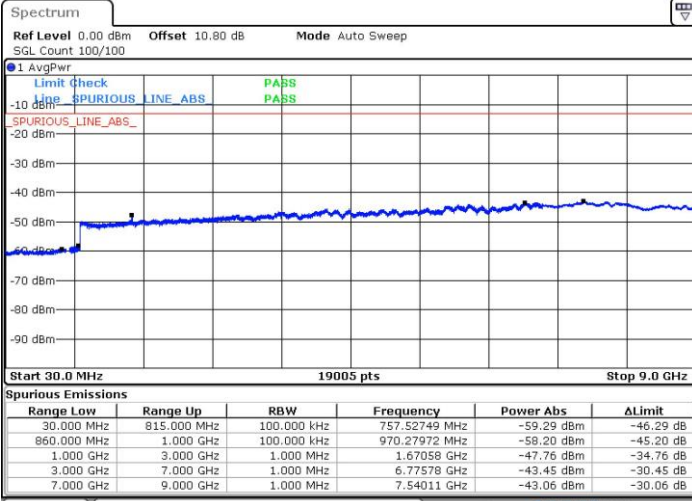
Date: 6 JUL 2018 13:49:50



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

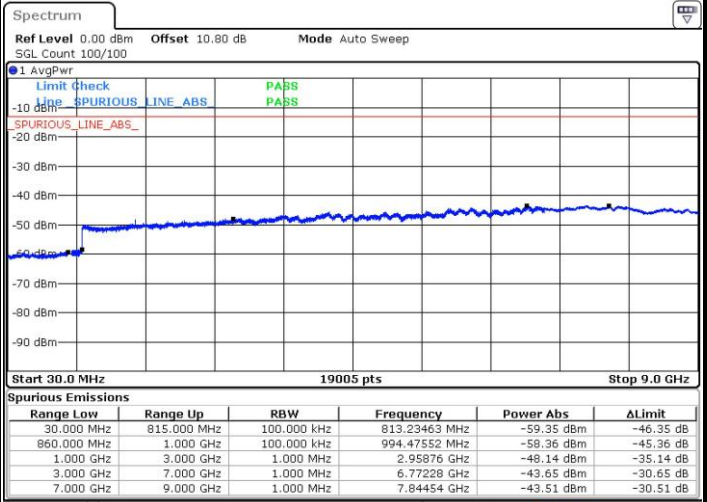
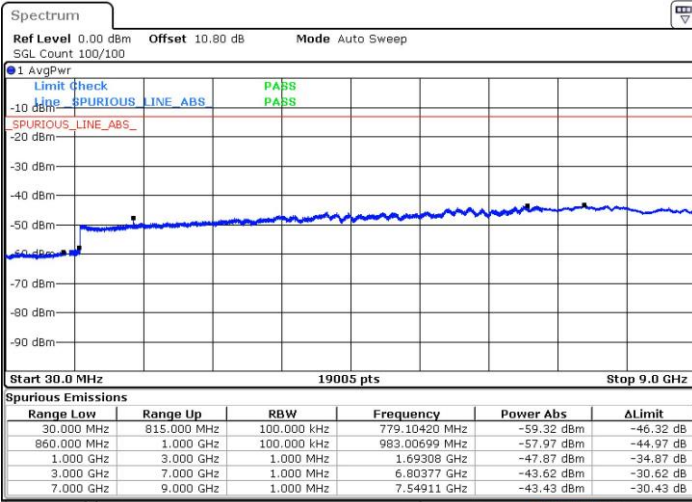


Date: 6 JUL 2018 13:51:31

Date: 6 JUL 2018 13:52:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JUL 2018 16:13:53

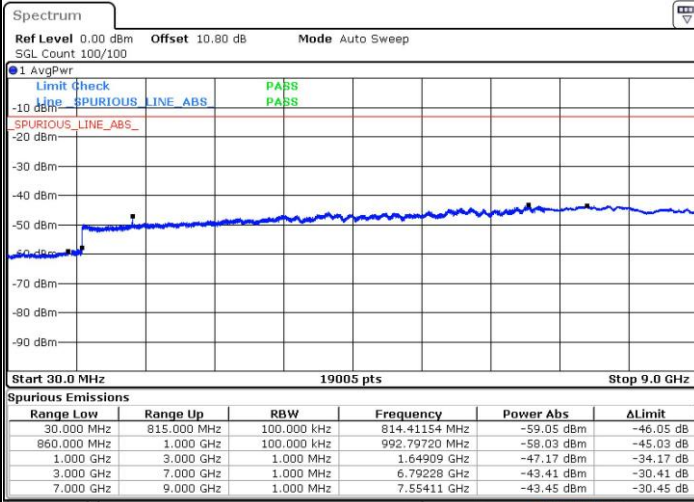
Date: 6 JUL 2018 16:14:48



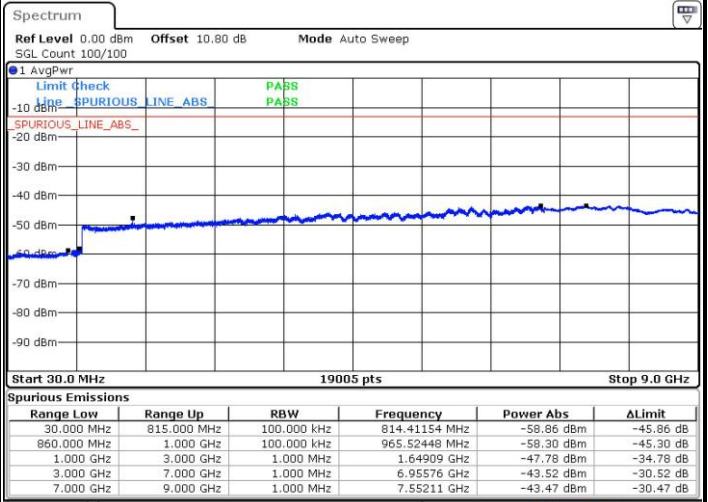
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



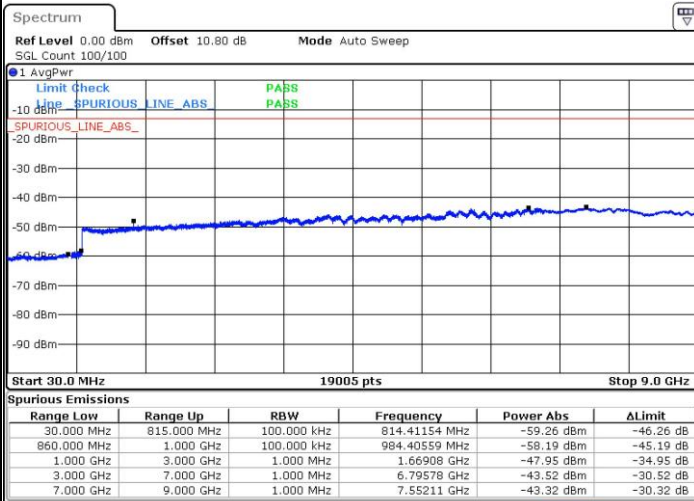
Date: 6 JUL 2018 16:23:09



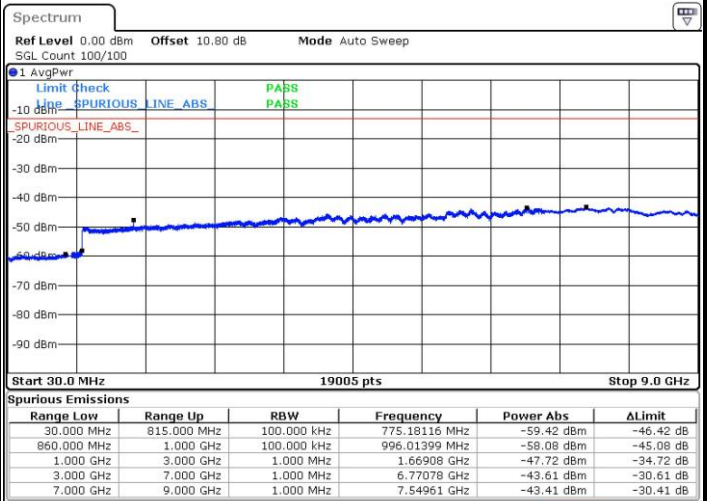
Date: 6 JUL 2018 16:24:04

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 JUL 2018 16:25:45

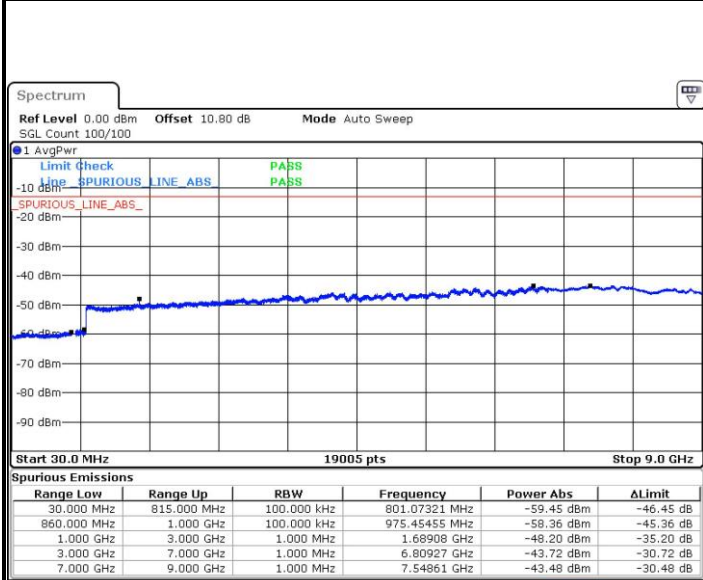


Date: 6 JUL 2018 16:26:41



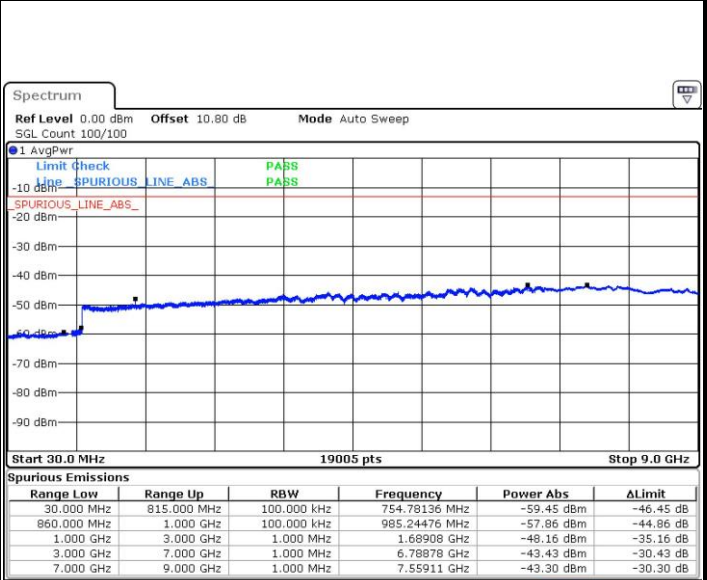
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 6 JUL 2018 16:35:02

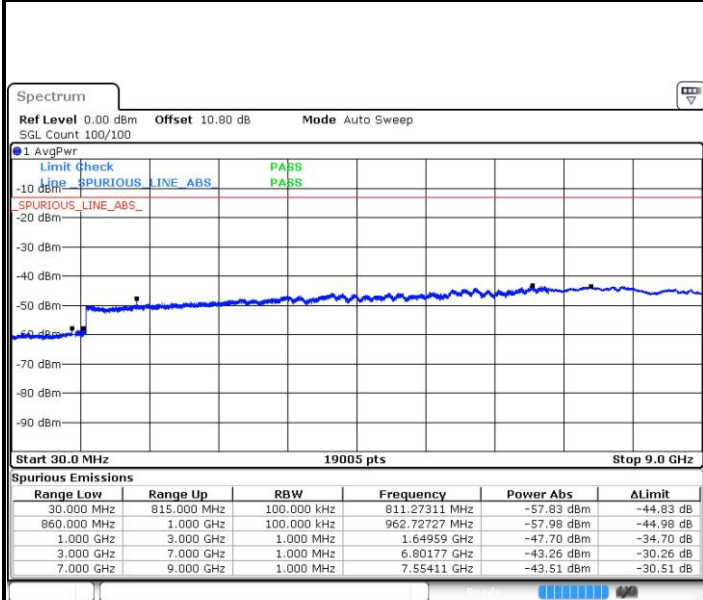
Highest Channel / 16QAM



Date: 6 JUL 2018 16:35:57

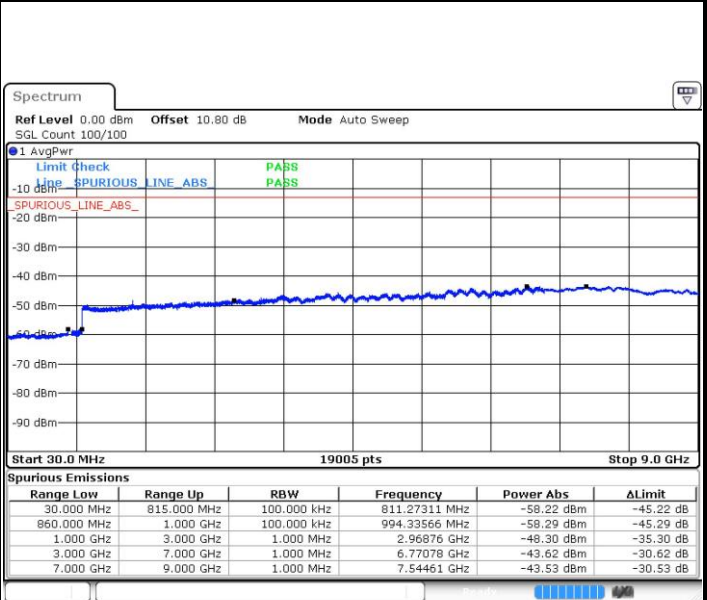
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 6 JUL 2018 16:44:18

Lowest Channel / 16QAM



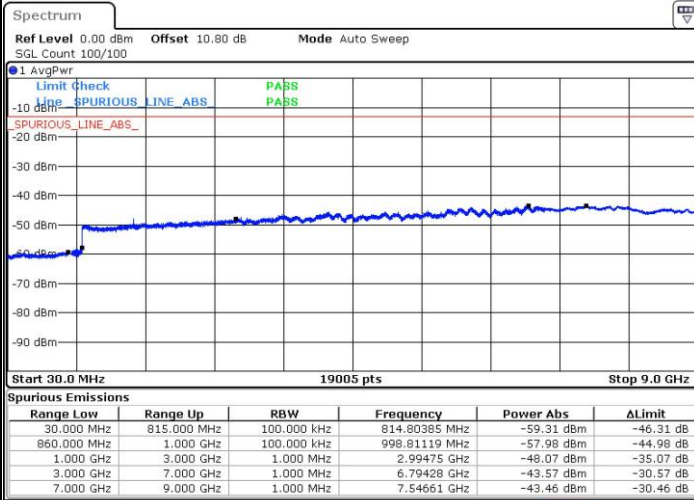
Date: 6 JUL 2018 16:45:13



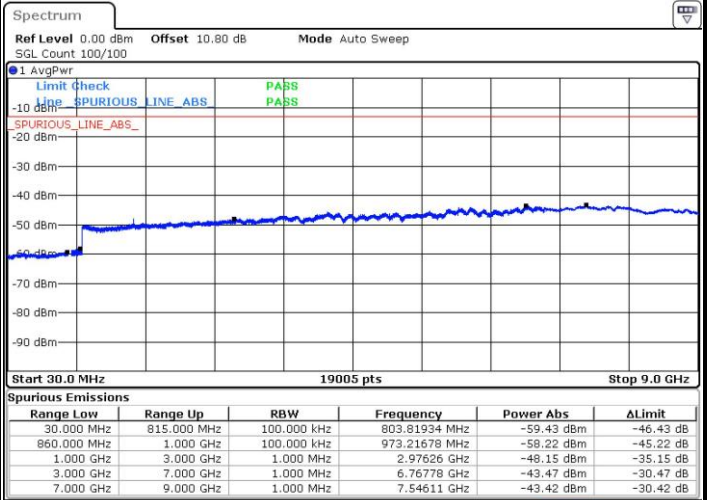
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



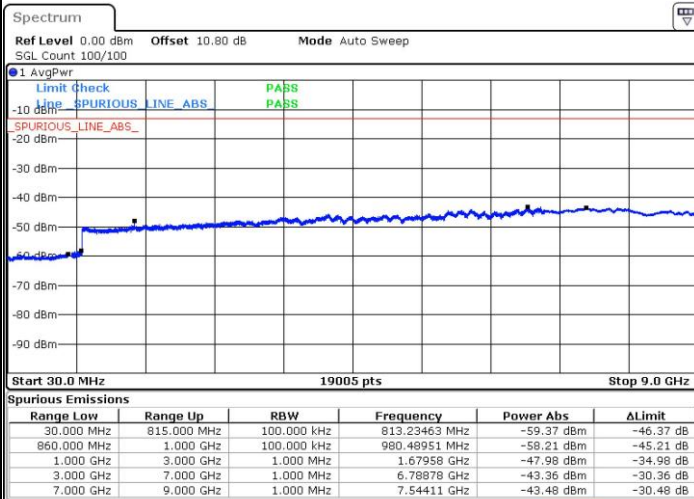
Date: 6 JUL 2018 16:46:54



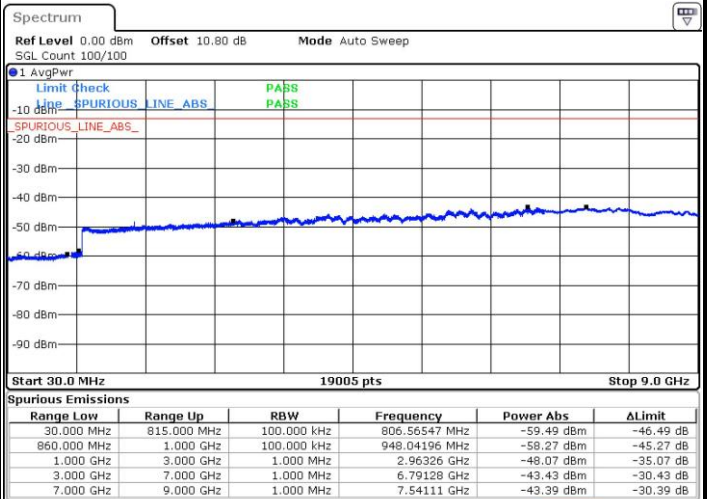
Date: 6 JUL 2018 16:47:49

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JUL 2018 16:56:10



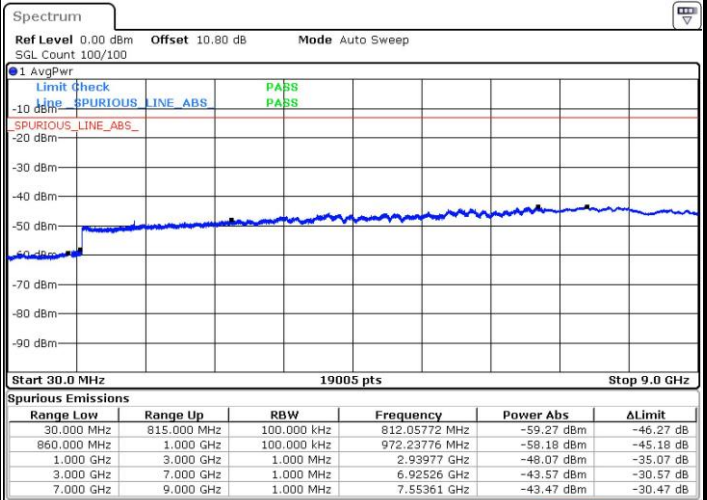
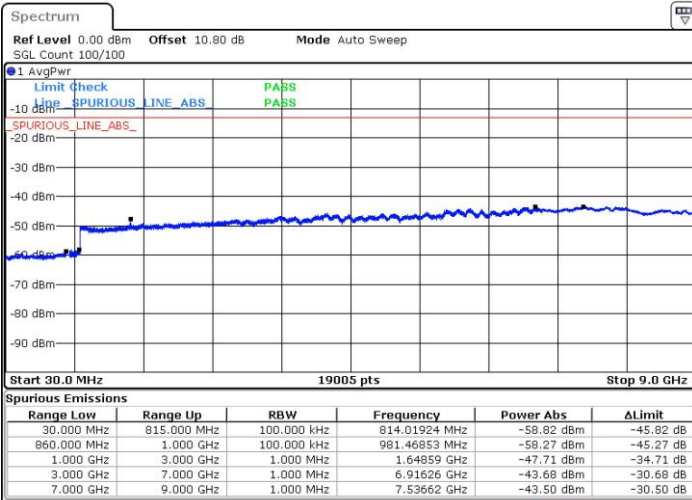
Date: 6 JUL 2018 16:57:05



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

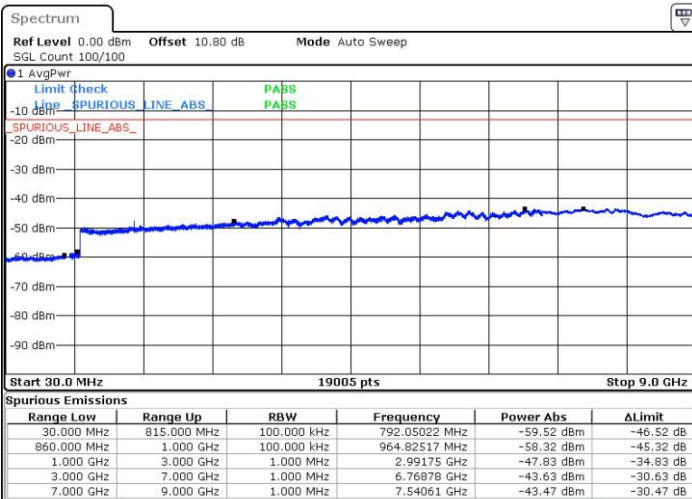
Middle Channel / 64QAM



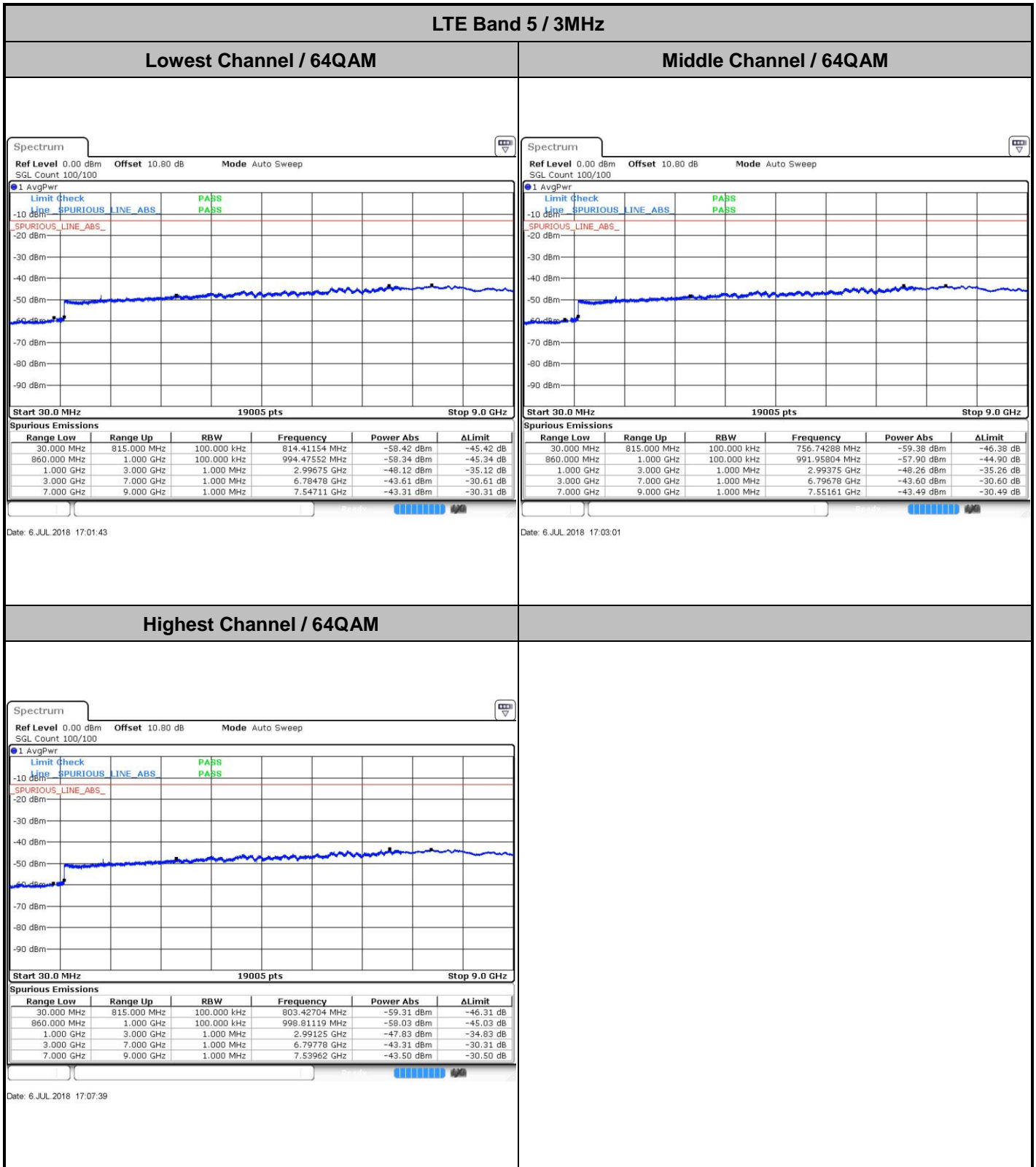
Date: 6 JUL 2018 17:33:26

Date: 6 JUL 2018 17:34:44

Highest Channel / 64QAM



Date: 6 JUL 2018 17:39:22

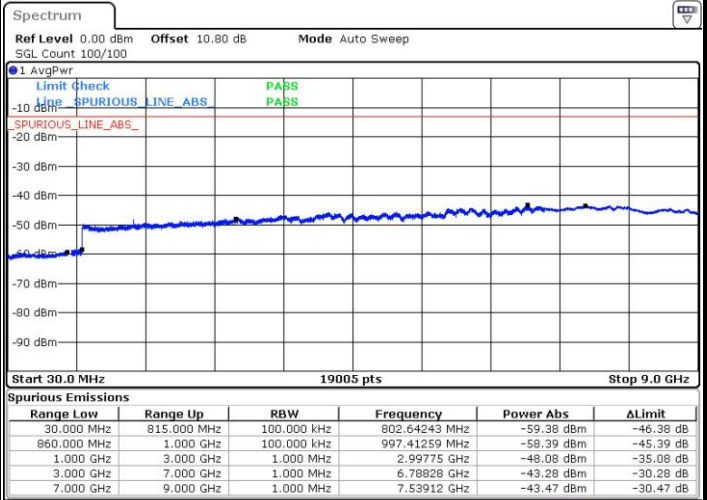
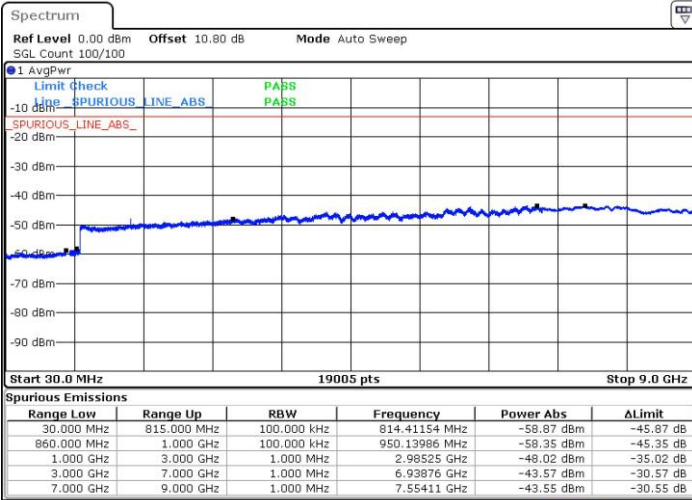




LTE Band 5 / 5MHz

Lowest Channel / 64QAM

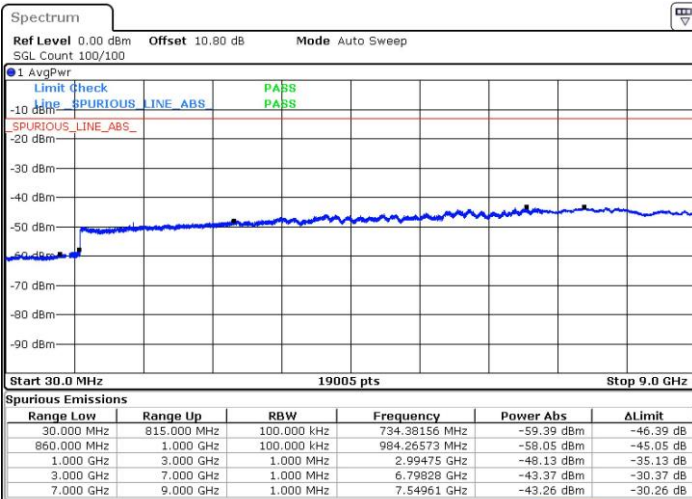
Middle Channel / 64QAM



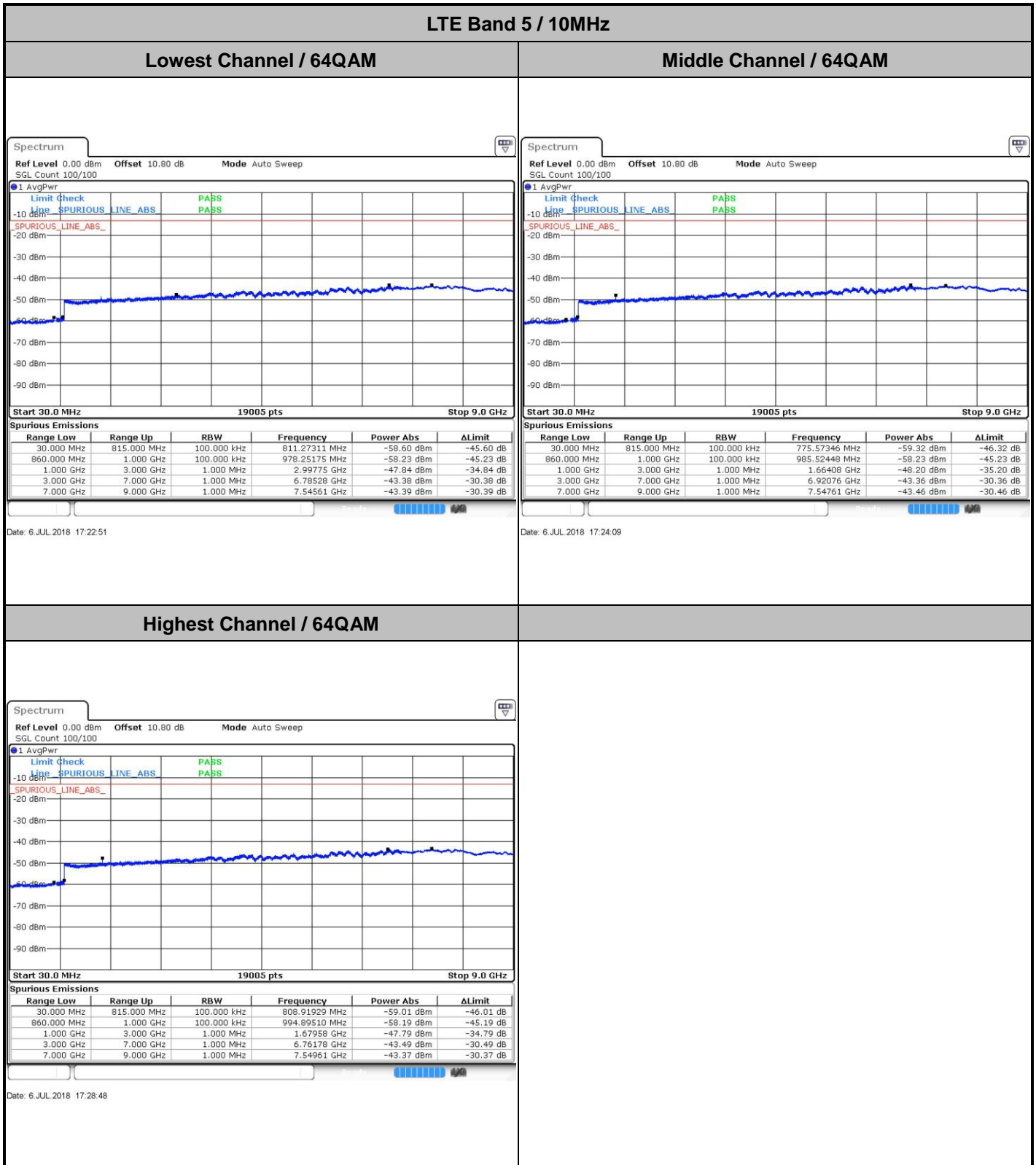
Date: 6 JUL 2018 17:12:17

Date: 6 JUL 2018 17:13:35

Highest Channel / 64QAM



Date: 6 JUL 2018 17:18:13





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0075	
0	Normal Voltage	0.0050	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0079	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			16.00
Middle CH			16.00
Highest CH			16.12
BW	10MHz+5MHz	10MHz+10MHz	
Lowest CH	16.09	20.94	
Middle CH	16.09	20.94	
Highest CH	16.15	20.82	

Mode	LTE Band 5 : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			15.91
Middle CH			15.97
Highest CH			16.00
BW	10MHz+5MHz	10MHz+10MHz	
Lowest CH	16.00	20.94	
Middle CH	16.06	20.90	
Highest CH	15.97	20.86	

Mode	LTE Band 5 : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH			15.94
Middle CH			15.88
Highest CH			15.91
BW	10MHz+5MHz	10MHz+10MHz	
Lowest CH	16.00	20.94	
Middle CH	16.15	20.78	
Highest CH	16.06	20.74	



LTE Band 5

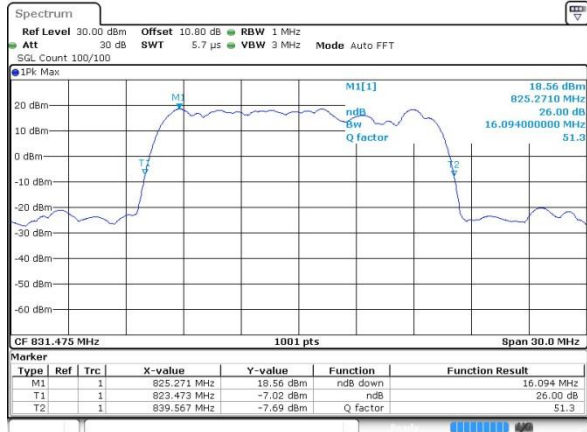
QPSK

Lowest Channel / 5MHz+10MHz



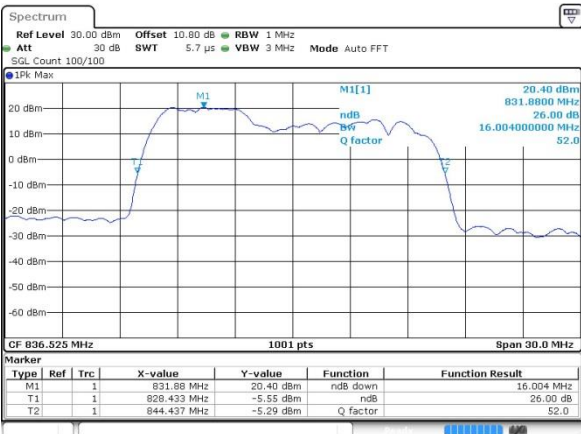
Date: 25 JUL 2018 19:11:35

Lowest Channel / 10MHz+5MHz



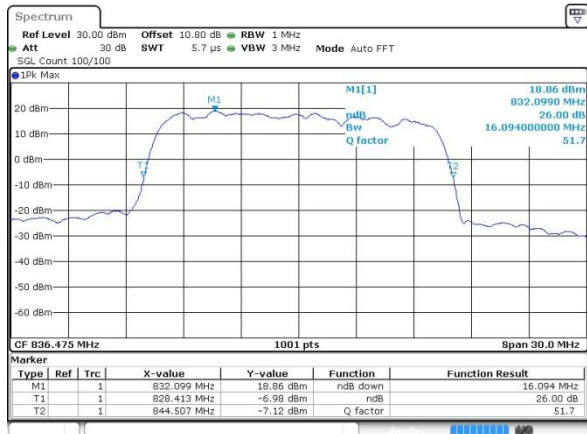
Date: 25 JUL 2018 18:14:41

Middle Channel / 5MHz+10MHz



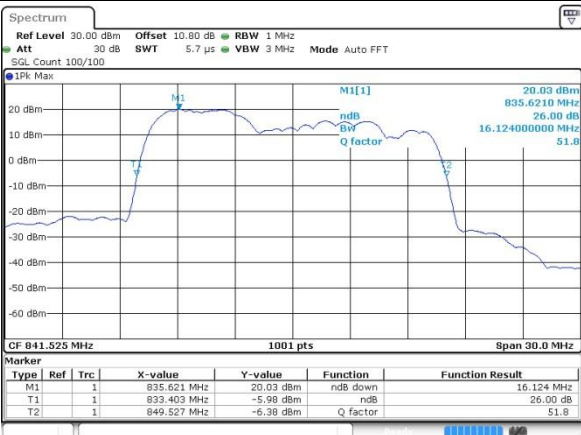
Date: 25 JUL 2018 19:38:46

Middle Channel / 10MHz+5MHz



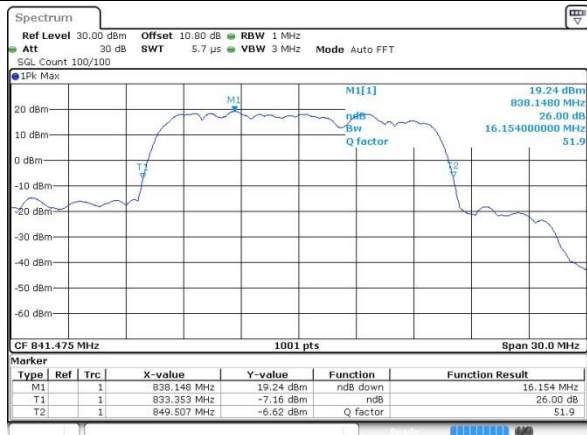
Date: 25 JUL 2018 18:41:45

Highest Channel / 5MHz+10MHz



Date: 25 JUL 2018 20:02:33

Highest Channel / 10MHz+5MHz



Date: 25 JUL 2018 18:43:26