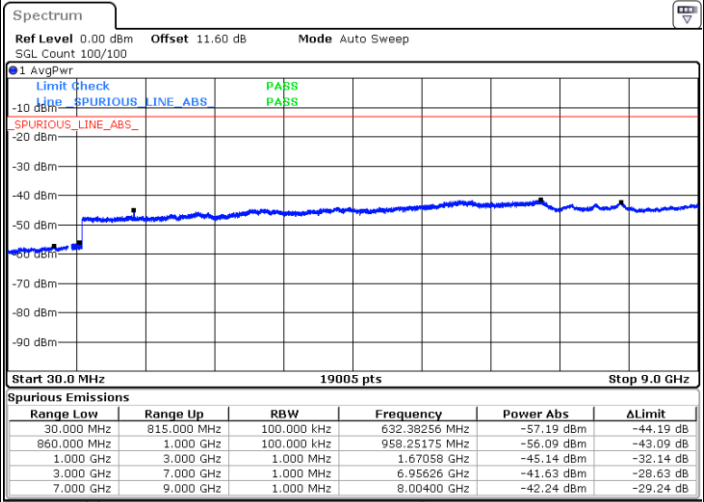
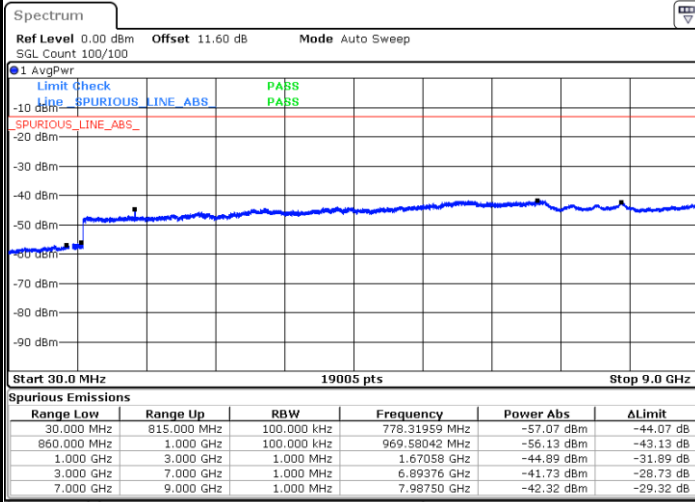




LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

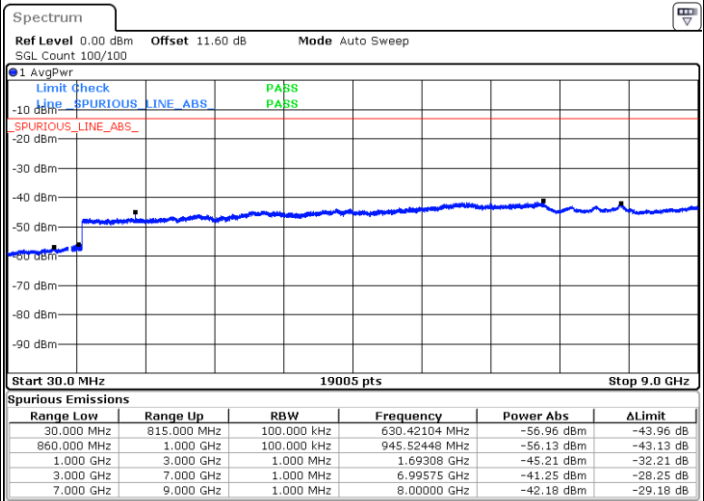
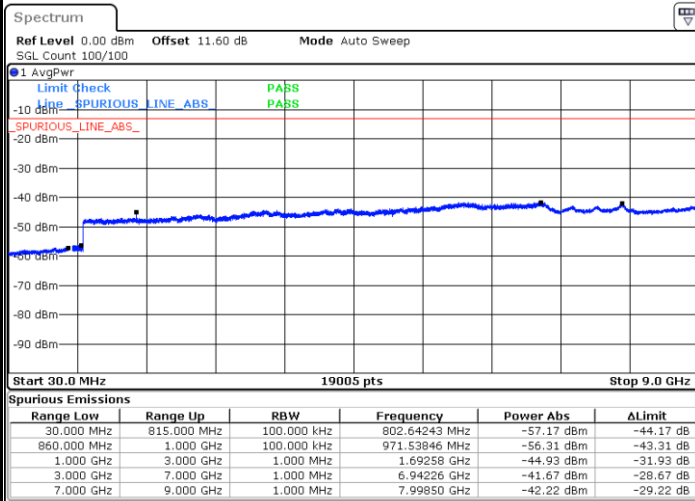


Date: 23.SEP.2020 00:34:31

Date: 23.SEP.2020 00:35:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23.SEP.2020 00:43:27

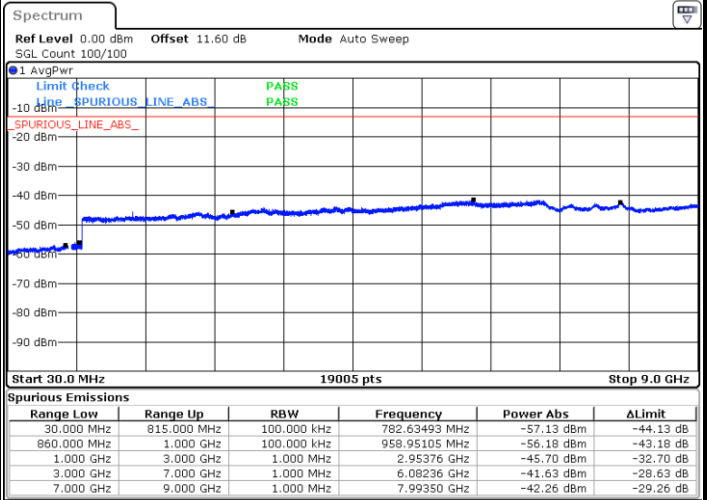
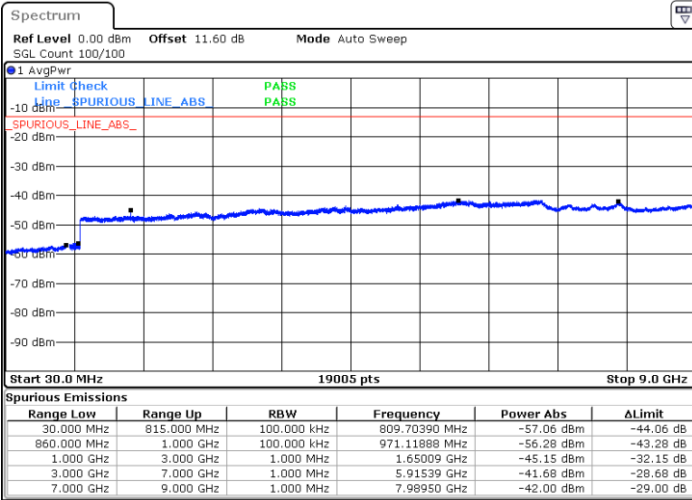
Date: 23.SEP.2020 00:44:13



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

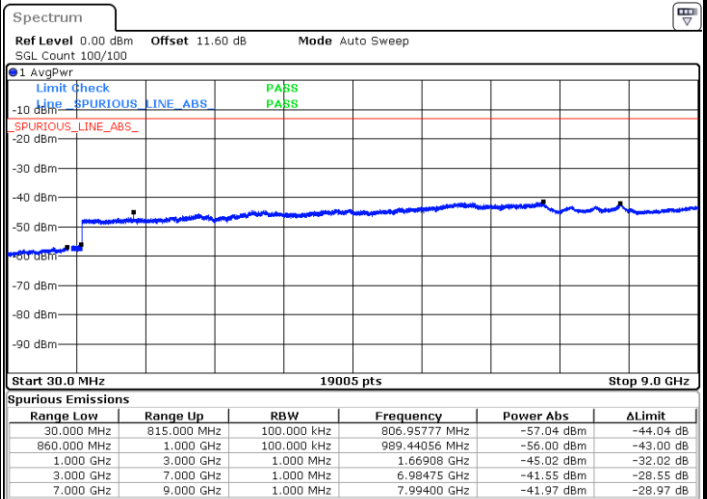
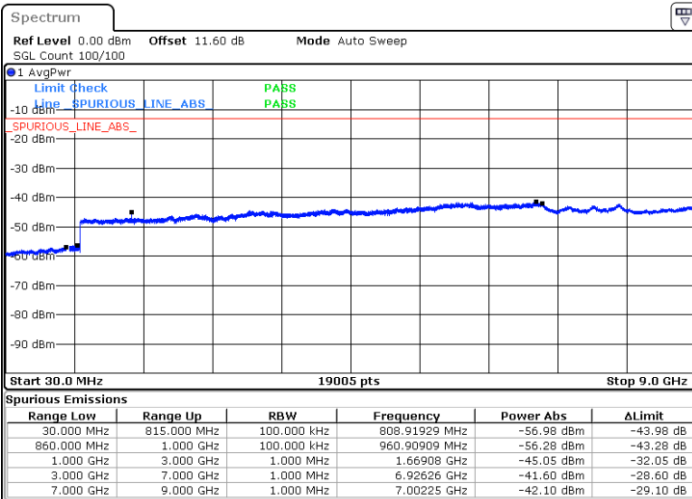


Date: 23.SEP.2020 01:00:59

Date: 23.SEP.2020 01:01:44

Middle Channel / QPSK

Middle Channel / 16QAM



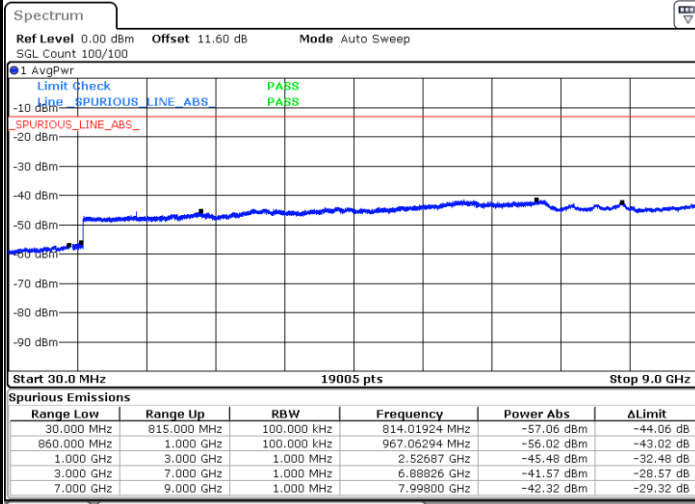
Date: 23.SEP.2020 01:03:14

Date: 23.SEP.2020 01:03:59



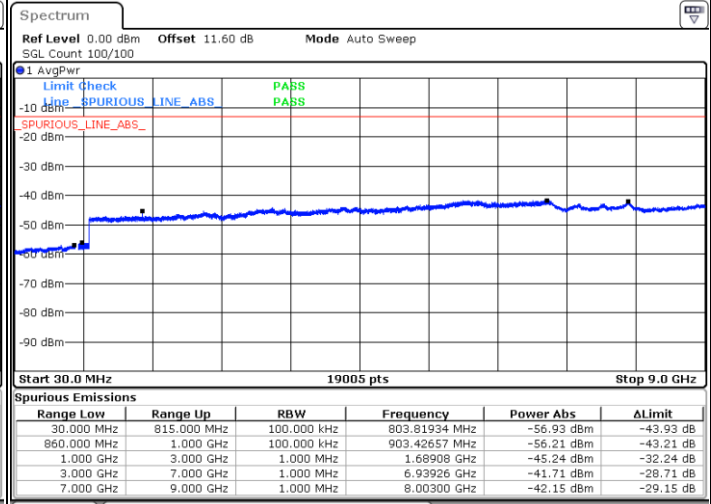
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 23.SEP.2020 01:12:11

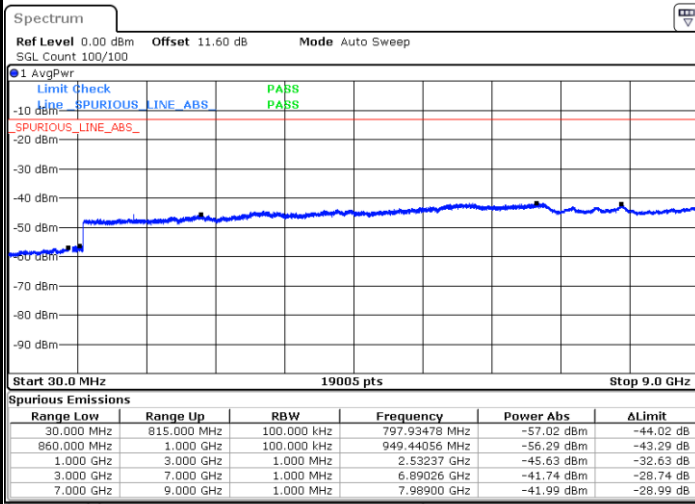
Highest Channel / 16QAM



Date: 23.SEP.2020 01:12:56

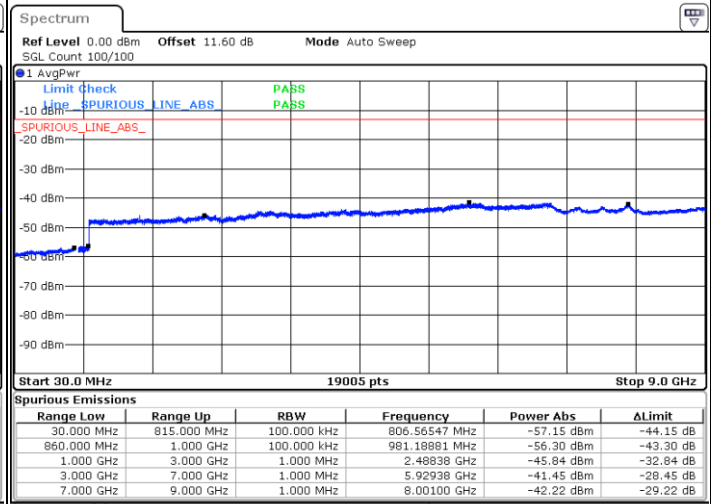
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 23.SEP.2020 01:21:09

Lowest Channel / 16QAM



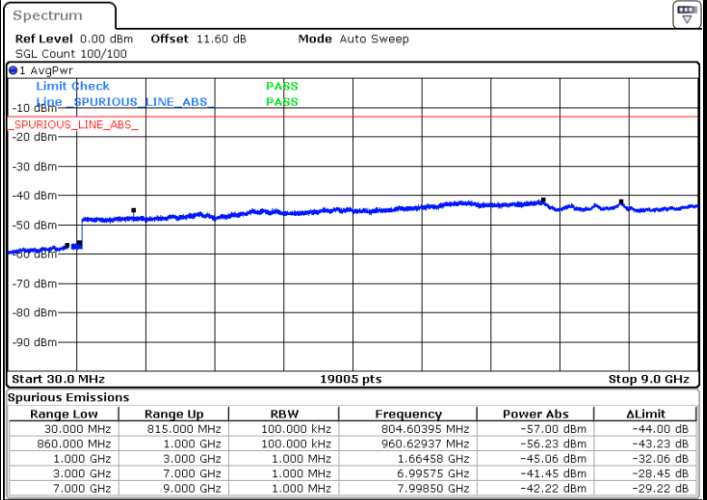
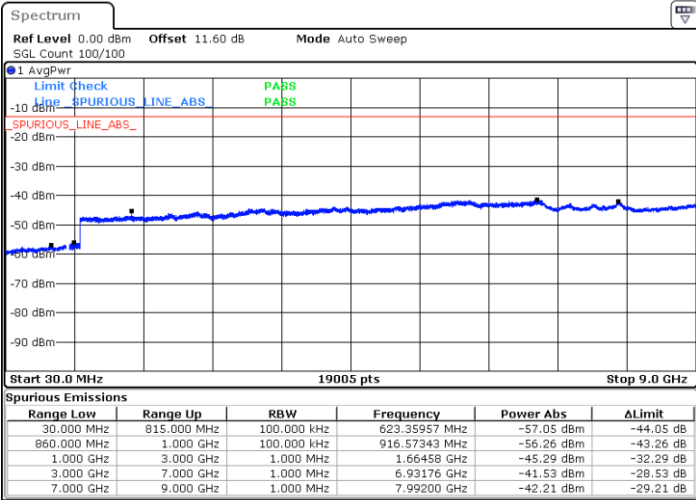
Date: 23.SEP.2020 01:21:54



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

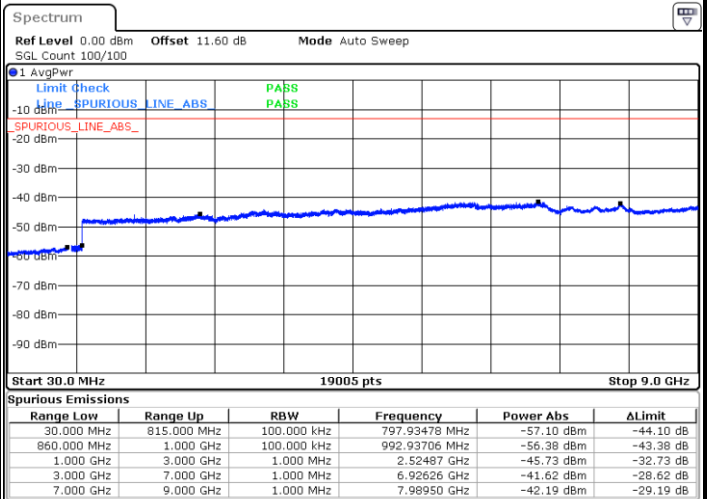
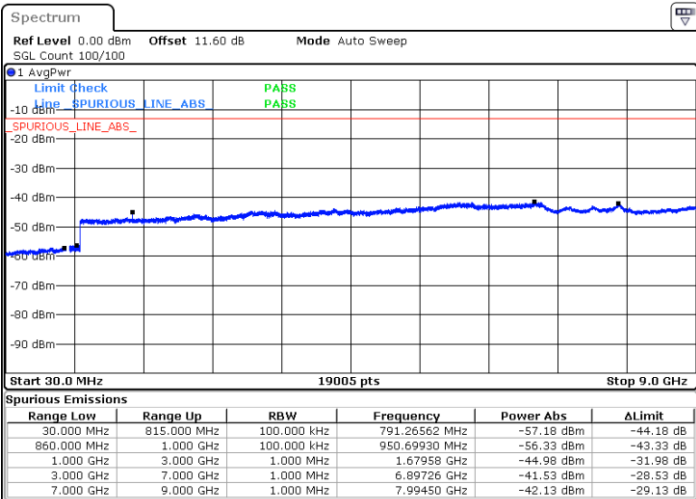


Date: 23.SEP.2020 01:23:24

Date: 23.SEP.2020 01:24:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23.SEP.2020 01:32:20

Date: 23.SEP.2020 01:33:05



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	0.0134	PASS
40	Normal Voltage	0.0112	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0134	
0	Normal Voltage	0.0175	
-10	Normal Voltage	0.0055	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0123	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0134	
20	Battery End Point	0.0099	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 7

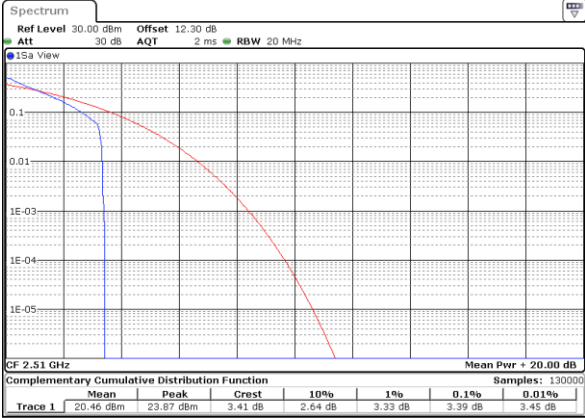
### Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.39	4.55	4.99	5.97	<b>PASS</b>
Middle CH	3.48	4.49	5.25	5.94	
Highest CH	3.54	4.43	4.96	5.91	



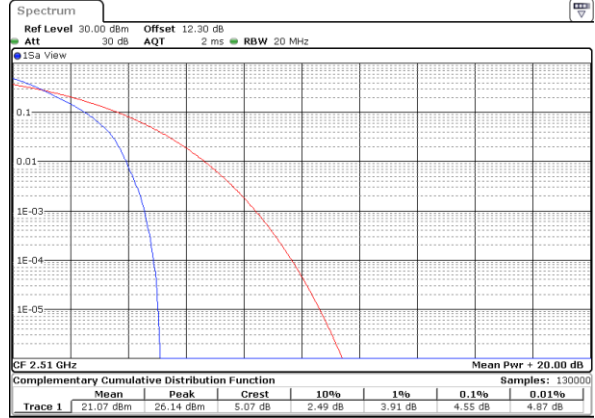
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



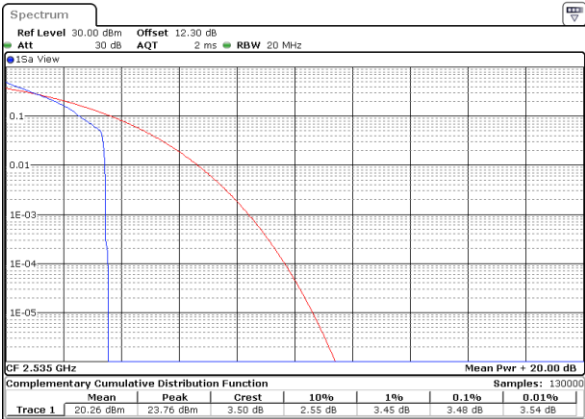
Date: 19\_SEP.2020 06:43:14

Lowest Channel / Full RB



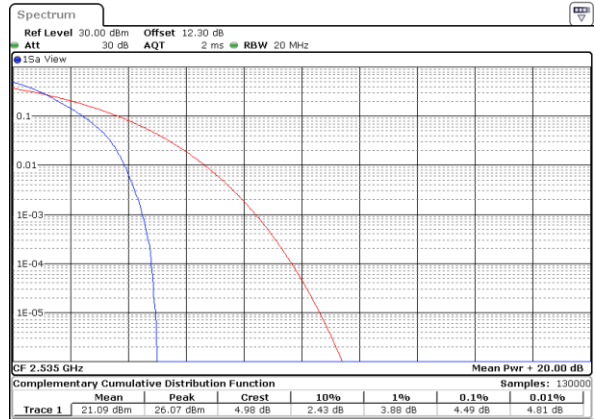
Date: 19\_SEP.2020 06:43:25

Middle Channel / 1RB



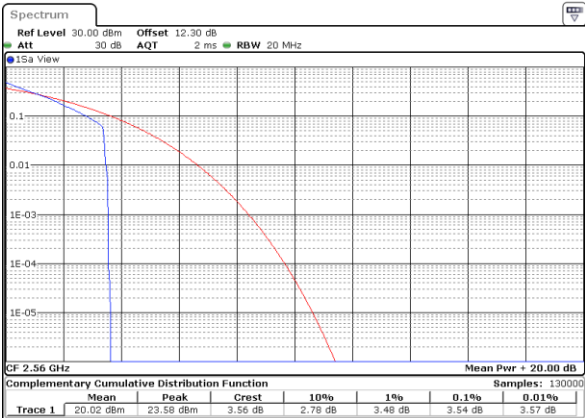
Date: 19\_SEP.2020 06:43:06

Middle Channel / Full RB



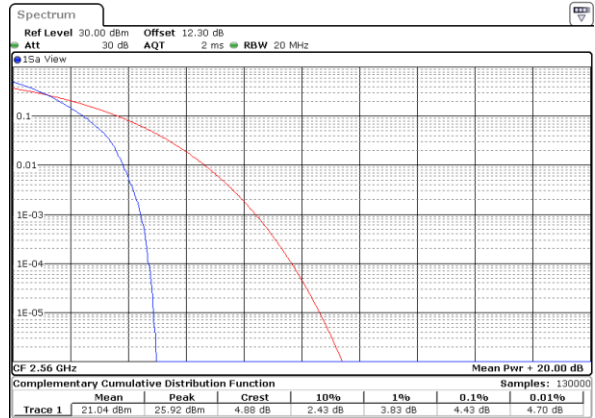
Date: 19\_SEP.2020 06:43:46

Highest Channel / 1RB



Date: 19\_SEP.2020 06:43:58

Highest Channel / Full RB



Date: 19\_SEP.2020 06:44:10



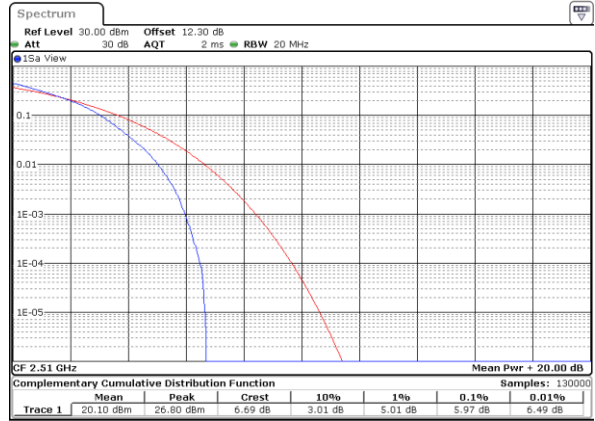
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 19\_SEP.2020 06:42:08

Lowest Channel / Full RB



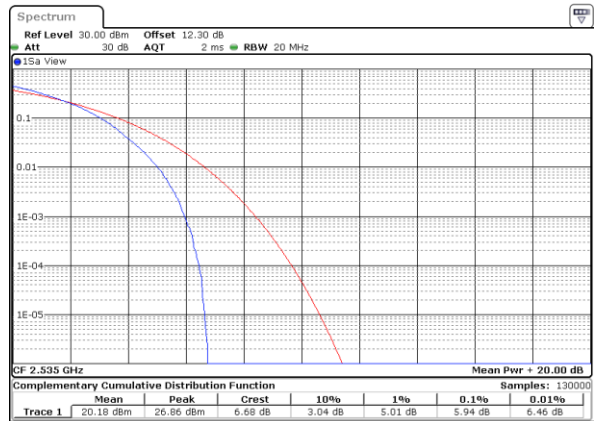
Date: 19\_SEP.2020 06:45:02

Middle Channel / 1RB



Date: 19\_SEP.2020 06:42:29

Middle Channel / Full RB



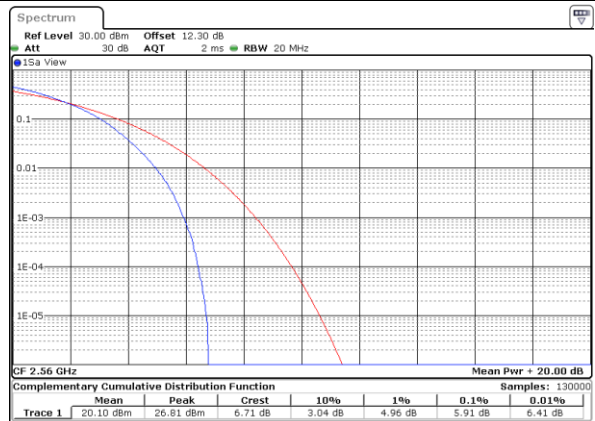
Date: 19\_SEP.2020 06:42:40

Highest Channel / 1RB



Date: 19\_SEP.2020 06:42:52

Highest Channel / Full RB



Date: 19\_SEP.2020 06:43:03





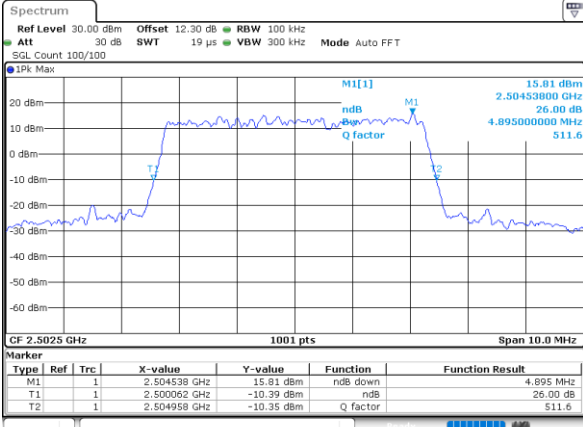
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.90	4.82	9.79	9.99	14.33	14.51	19.18	18.98
Middle CH	-	-	-	-	4.95	4.86	9.65	9.89	14.24	14.33	18.66	19.10
Highest CH	-	-	-	-	4.90	4.91	9.77	9.81	14.45	14.21	18.78	19.14



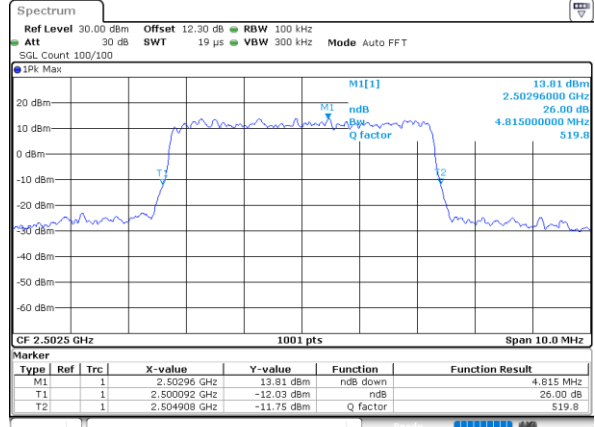
LTE Band 7

Lowest Channel / 5MHz / QPSK



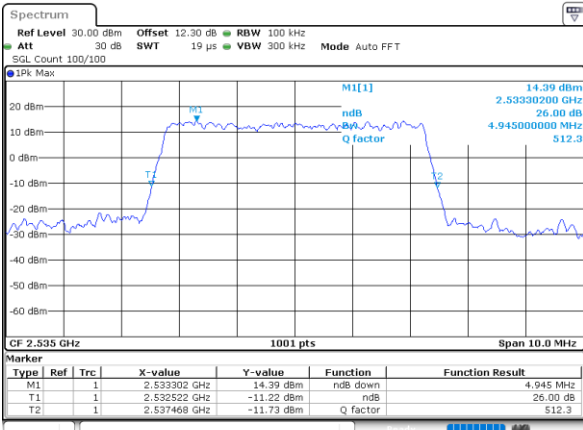
Date: 19\_SEP.2020 05:57:09

Lowest Channel / 5MHz / 16QAM



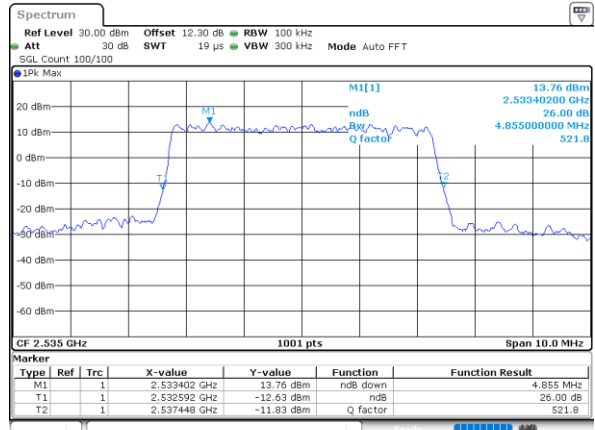
Date: 19\_SEP.2020 05:57:121

Middle Channel / 5MHz / QPSK



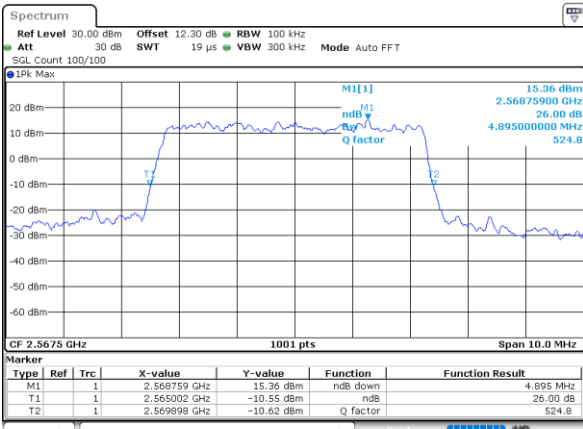
Date: 19\_SEP.2020 06:01:37

Middle Channel / 5MHz / 16QAM



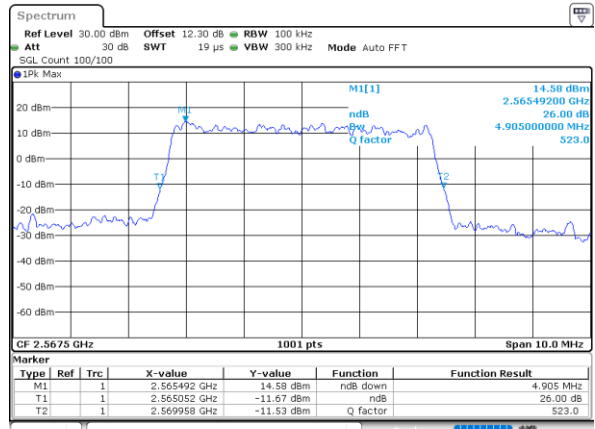
Date: 19\_SEP.2020 06:01:148

Highest Channel / 5MHz / QPSK



Date: 19\_SEP.2020 06:04:01

Highest Channel / 5MHz / 16QAM

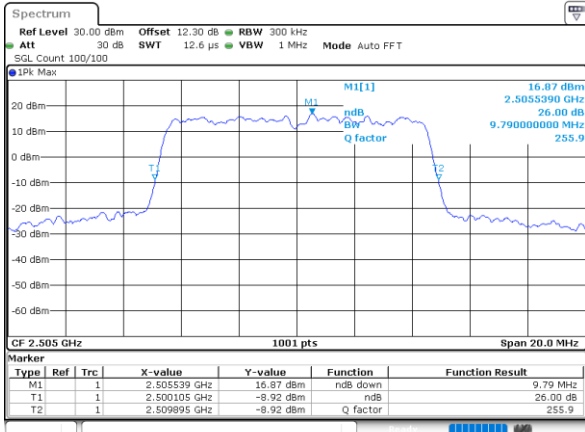


Date: 19\_SEP.2020 06:04:113



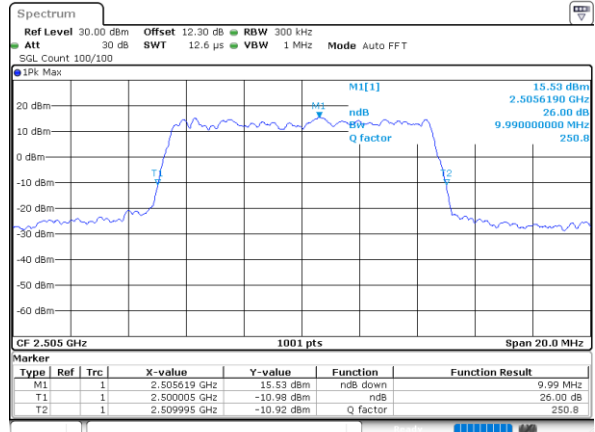
LTE Band 7

Lowest Channel / 10MHz / QPSK



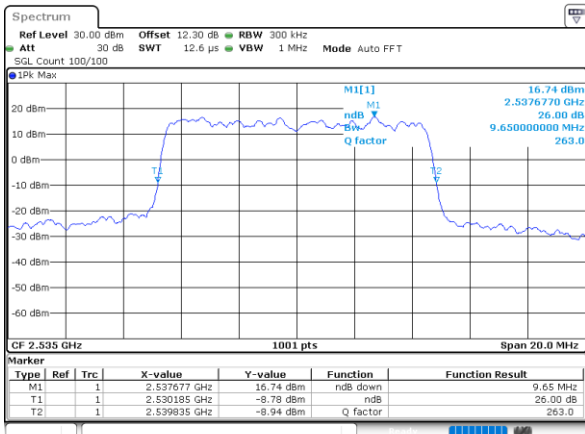
Date: 19\_SEP.2020 06:08:29

Lowest Channel / 10MHz / 16QAM



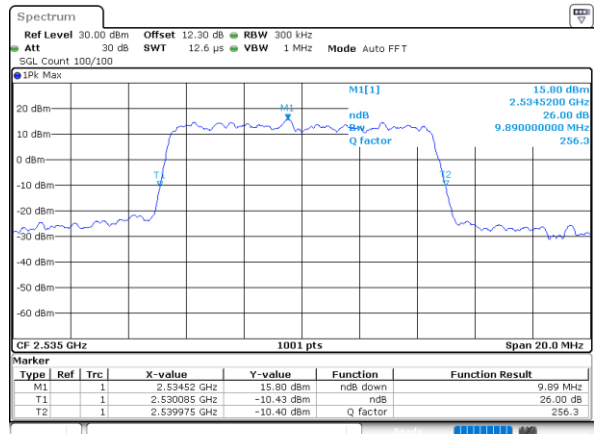
Date: 19\_SEP.2020 06:10:41

Middle Channel / 10MHz / QPSK



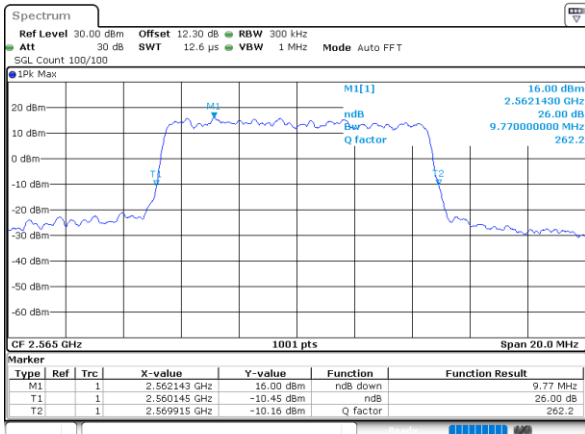
Date: 19\_SEP.2020 06:12:55

Middle Channel / 10MHz / 16QAM



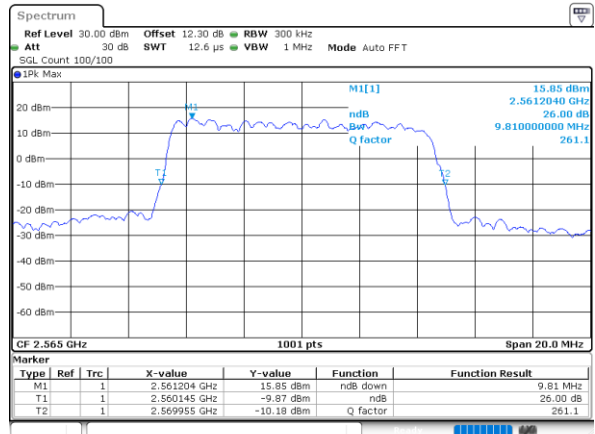
Date: 19\_SEP.2020 06:13:06

Highest Channel / 10MHz / QPSK



Date: 19\_SEP.2020 06:15:19

Highest Channel / 10MHz / 16QAM

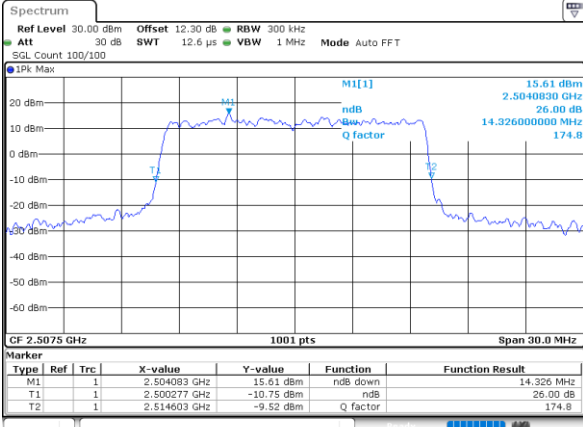


Date: 19\_SEP.2020 06:15:31



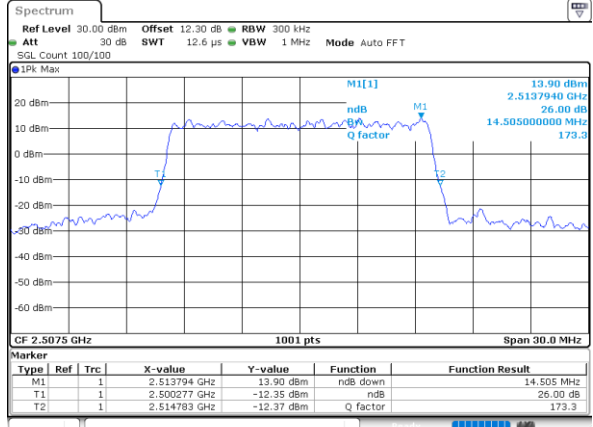
LTE Band 7

Lowest Channel / 15MHz / QPSK



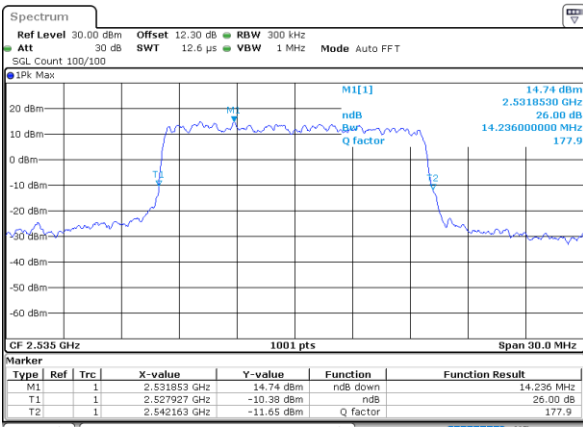
Date: 19\_SEP.2020 06:19:47

Lowest Channel / 15MHz / 16QAM



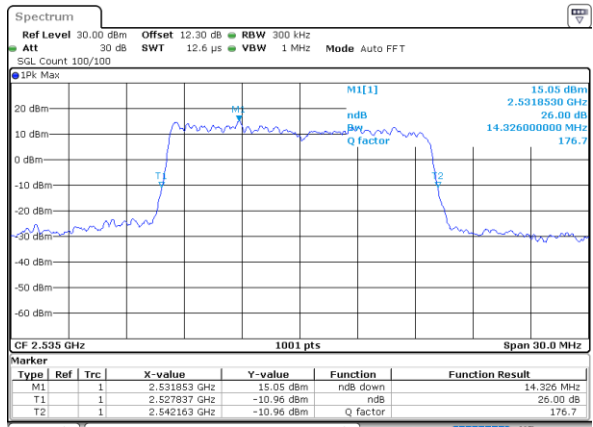
Date: 19\_SEP.2020 06:19:59

Middle Channel / 15MHz / QPSK



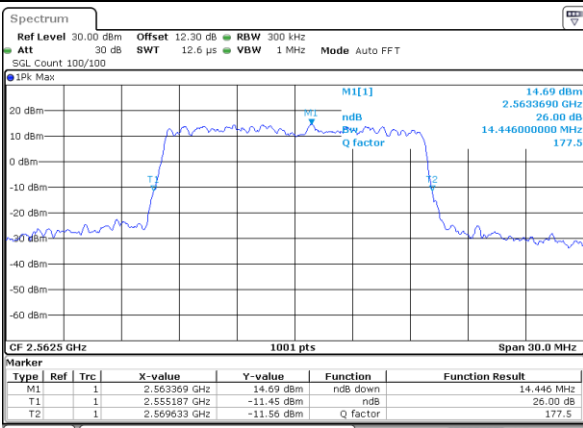
Date: 19\_SEP.2020 06:24:15

Middle Channel / 15MHz / 16QAM



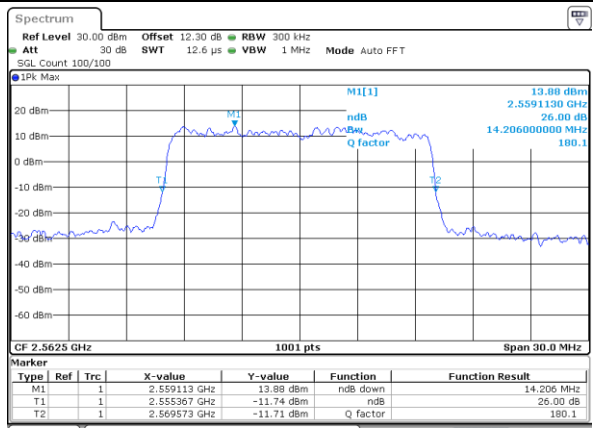
Date: 19\_SEP.2020 06:24:26

Highest Channel / 15MHz / QPSK



Date: 19\_SEP.2020 06:26:39

Highest Channel / 15MHz / 16QAM

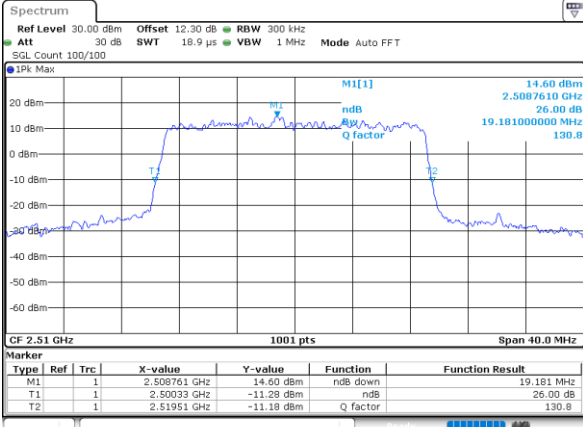


Date: 19\_SEP.2020 06:26:51



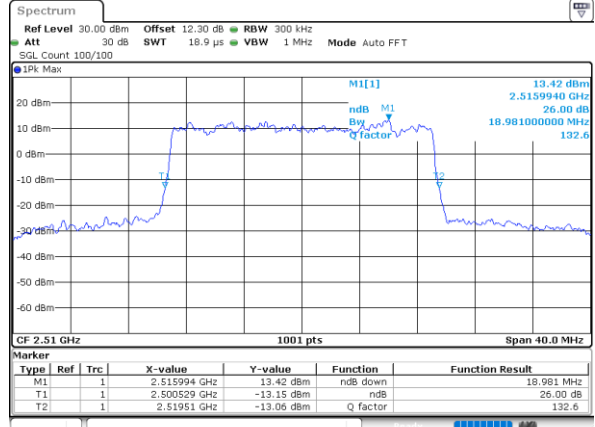
LTE Band 7

Lowest Channel / 20MHz / QPSK



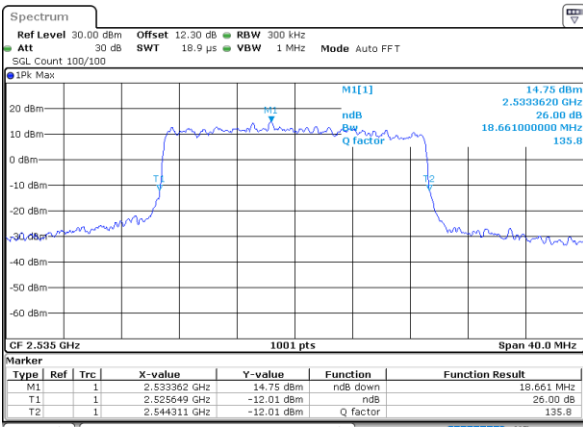
Date: 19\_SEP.2020 06:31:07

Lowest Channel / 20MHz / 16QAM



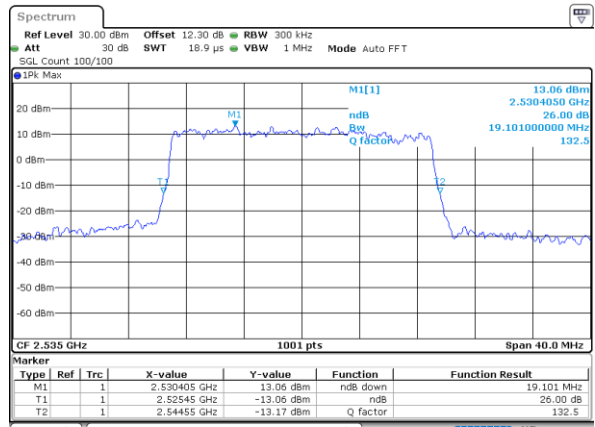
Date: 19\_SEP.2020 06:31:19

Middle Channel / 20MHz / QPSK



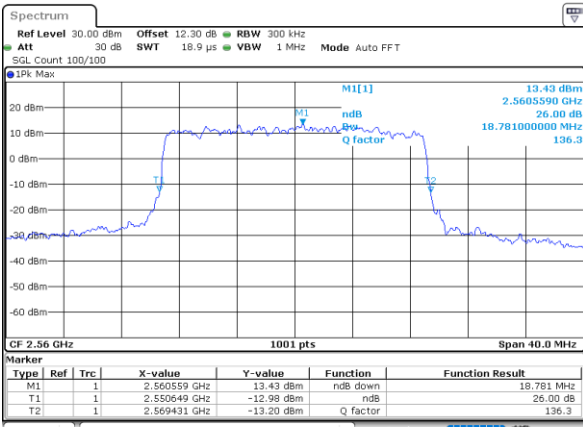
Date: 19\_SEP.2020 06:35:05

Middle Channel / 20MHz / 16QAM



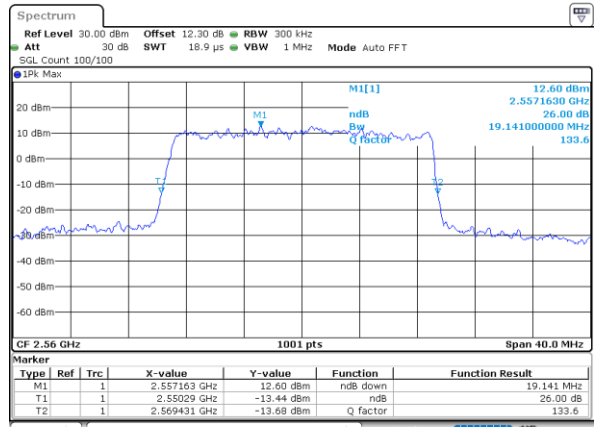
Date: 19\_SEP.2020 06:35:46

Highest Channel / 20MHz / QPSK



Date: 19\_SEP.2020 06:37:59

Highest Channel / 20MHz / 16QAM



Date: 19\_SEP.2020 06:38:11



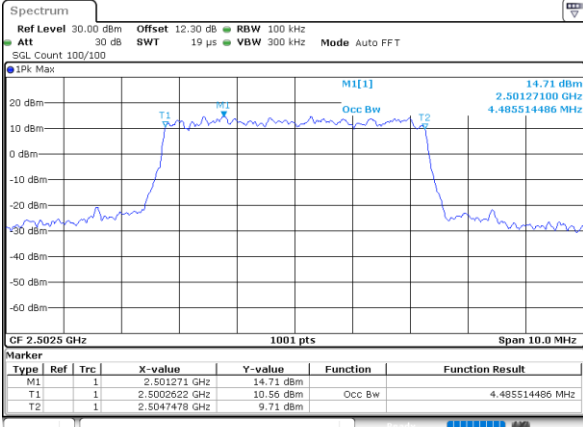
**Occupied Bandwidth**

Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.48	9.03	8.97	13.43	13.49	17.86	17.78
Middle CH	-	-	-	-	4.51	4.50	9.05	9.03	13.43	13.49	17.90	17.90
Highest CH	-	-	-	-	4.49	4.47	9.05	8.99	13.43	13.34	17.82	17.74



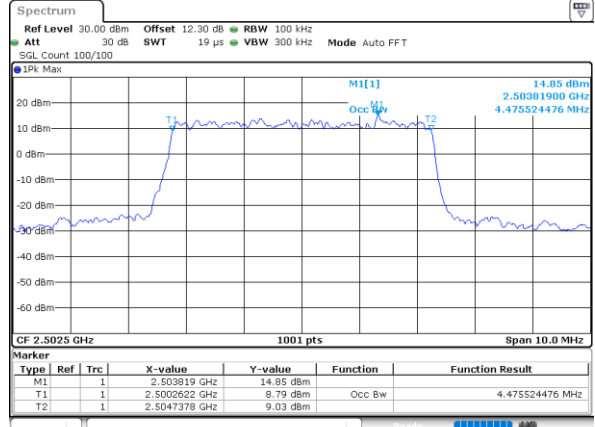
LTE Band 7

Lowest Channel / 5MHz / QPSK



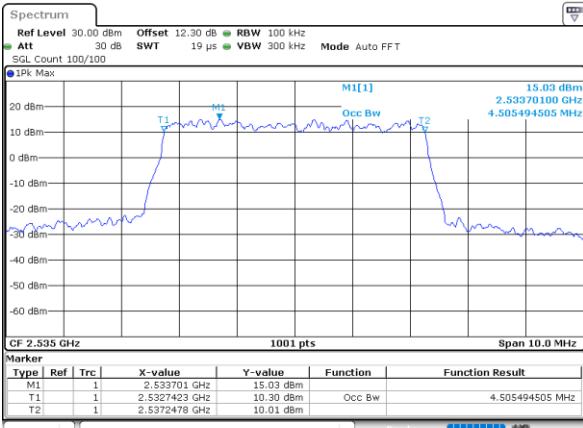
Date: 19\_SEP.2020 05:56:45

Lowest Channel / 5MHz / 16QAM



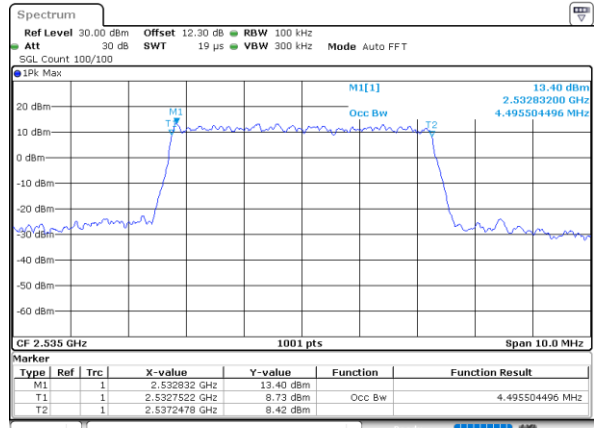
Date: 19\_SEP.2020 05:56:57

Middle Channel / 5MHz / QPSK



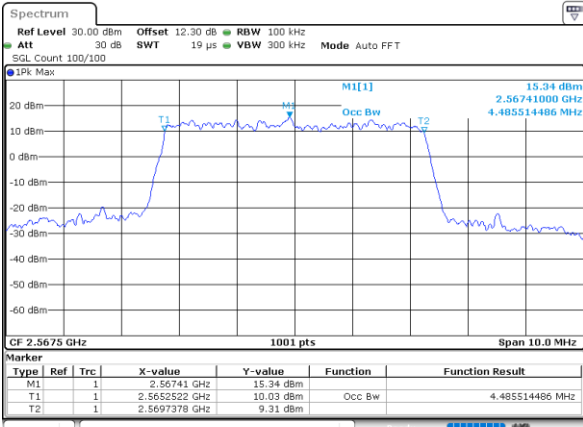
Date: 19\_SEP.2020 06:01:14

Middle Channel / 5MHz / 16QAM



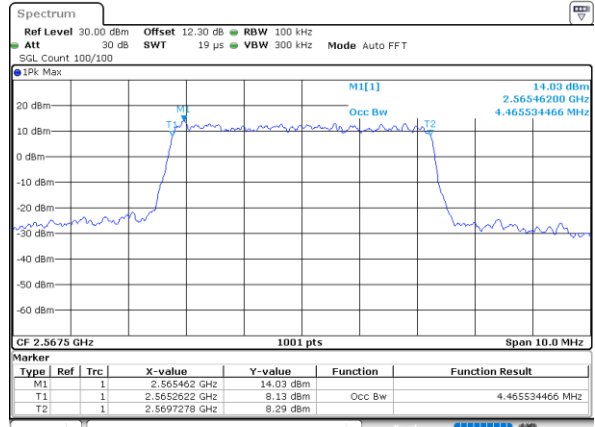
Date: 19\_SEP.2020 06:01:25

Highest Channel / 5MHz / QPSK



Date: 19\_SEP.2020 06:03:37

Highest Channel / 5MHz / 16QAM

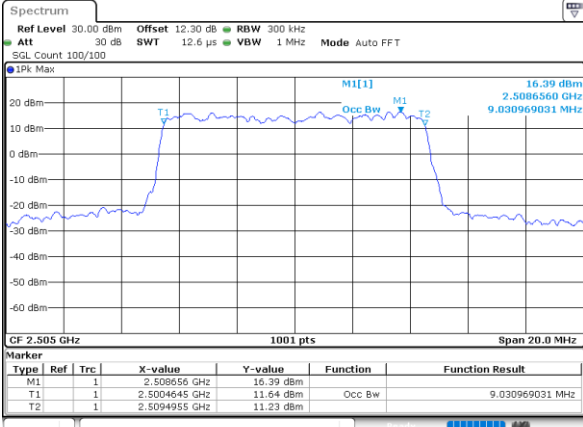


Date: 19\_SEP.2020 06:03:49



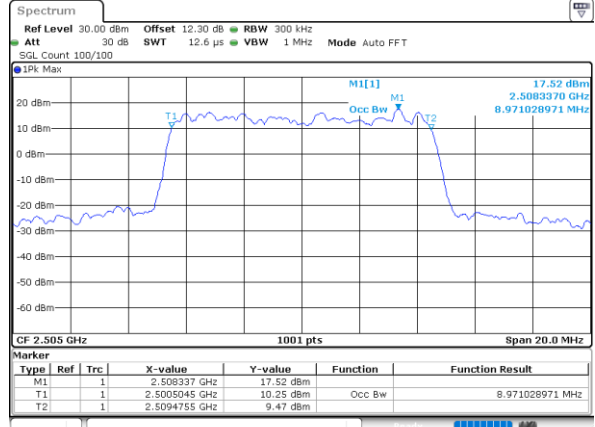
LTE Band 7

Lowest Channel / 10MHz / QPSK



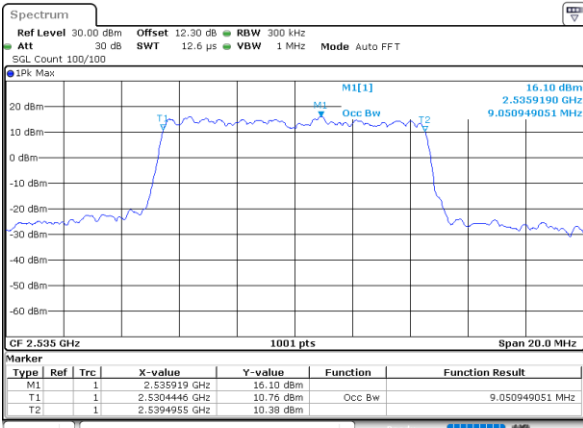
Date: 19\_SEP.2020 06:08:05

Lowest Channel / 10MHz / 16QAM



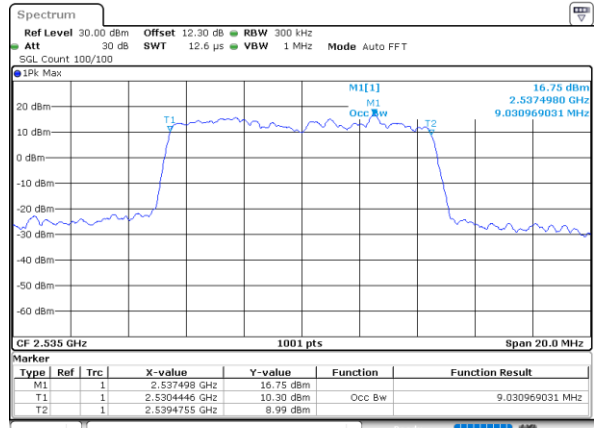
Date: 19\_SEP.2020 06:10:17

Middle Channel / 10MHz / QPSK



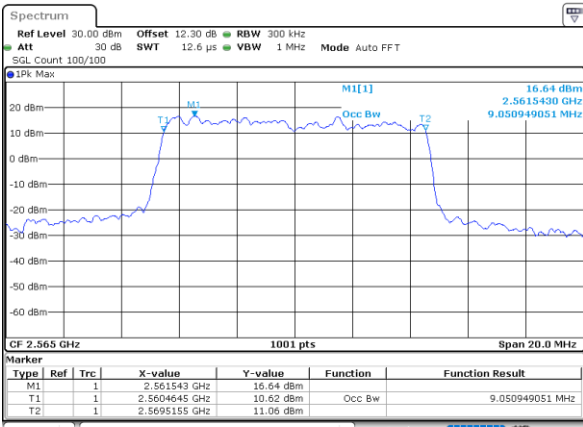
Date: 19\_SEP.2020 06:12:32

Middle Channel / 10MHz / 16QAM



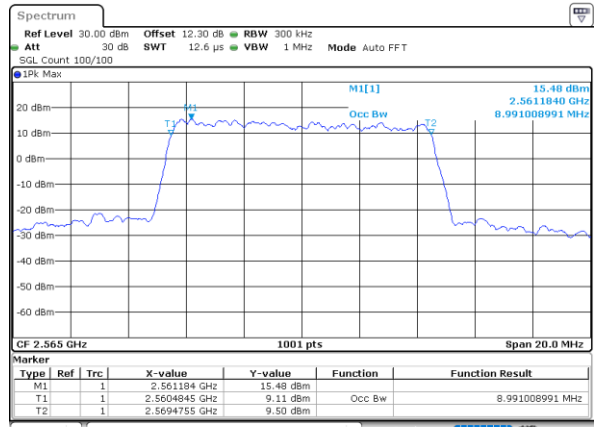
Date: 19\_SEP.2020 06:12:44

Highest Channel / 10MHz / QPSK



Date: 19\_SEP.2020 06:14:56

Highest Channel / 10MHz / 16QAM



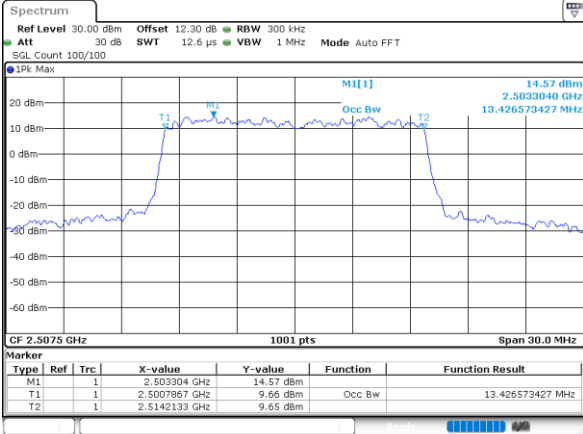
Date: 19\_SEP.2020 06:15:07





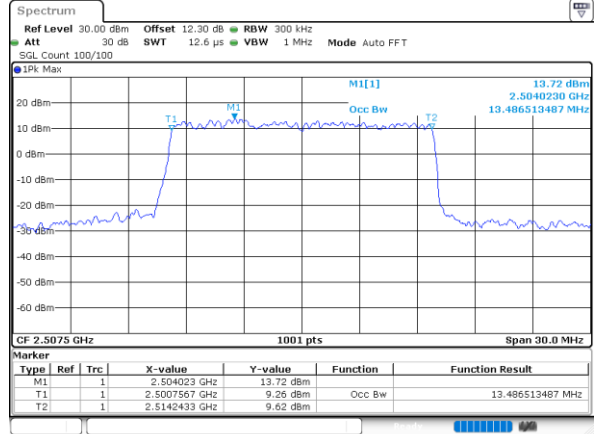
LTE Band 7

Lowest Channel / 15MHz / QPSK



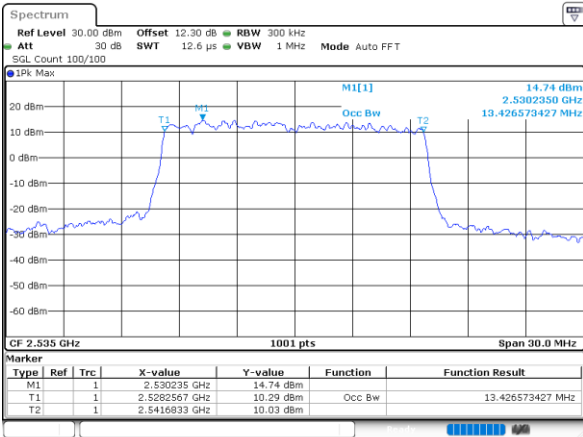
Date: 19\_SEP.2020 06:19:24

Lowest Channel / 15MHz / 16QAM



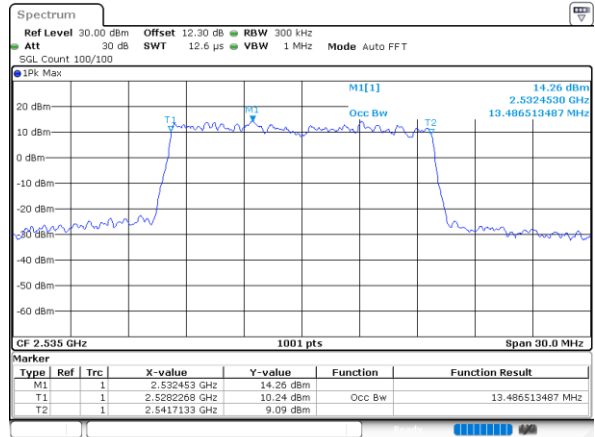
Date: 19\_SEP.2020 06:19:35

Middle Channel / 15MHz / QPSK



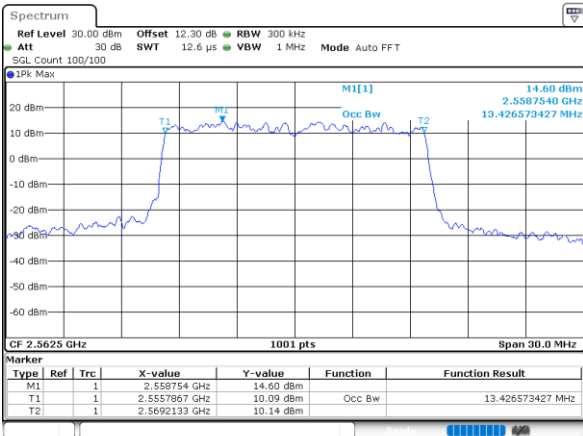
Date: 19\_SEP.2020 06:23:52

Middle Channel / 15MHz / 16QAM



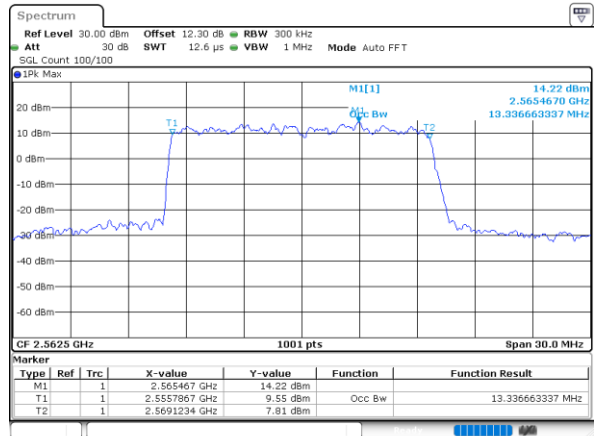
Date: 19\_SEP.2020 06:24:04

Highest Channel / 15MHz / QPSK



Date: 19\_SEP.2020 06:26:15

Highest Channel / 15MHz / 16QAM

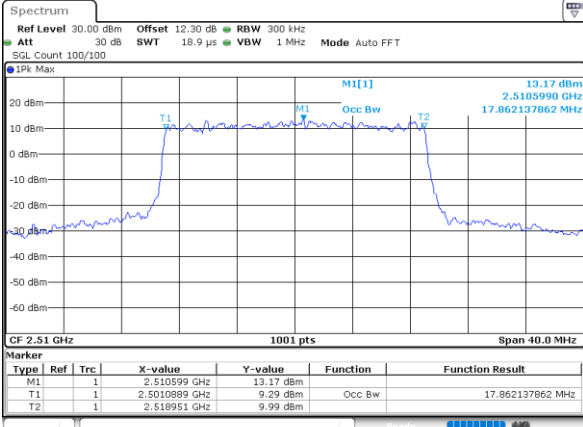


Date: 19\_SEP.2020 06:26:27



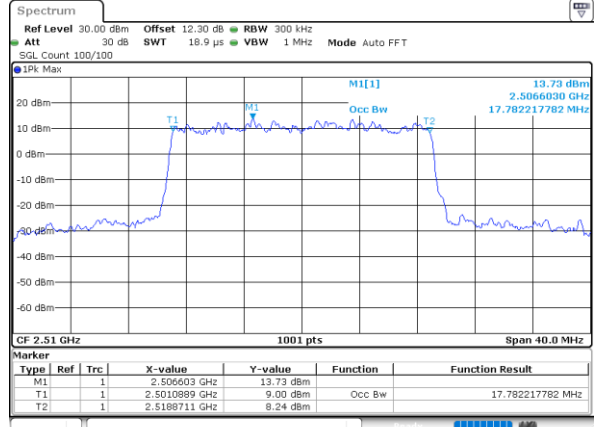
LTE Band 7

Lowest Channel / 20MHz / QPSK



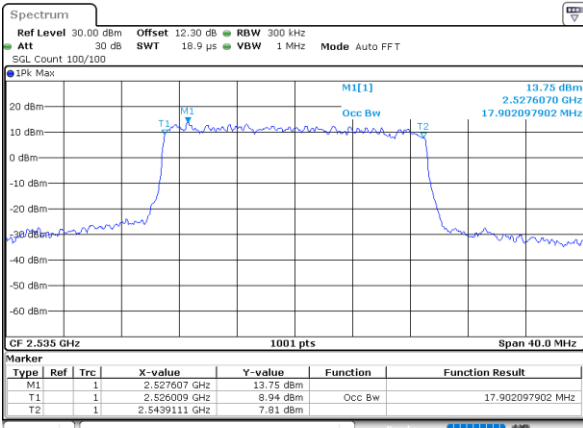
Date: 19\_SEP.2020 06:30:43

Lowest Channel / 20MHz / 16QAM



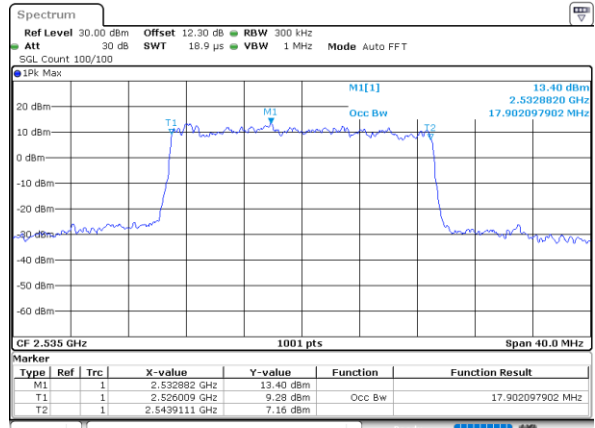
Date: 19\_SEP.2020 06:30:55

Middle Channel / 20MHz / QPSK



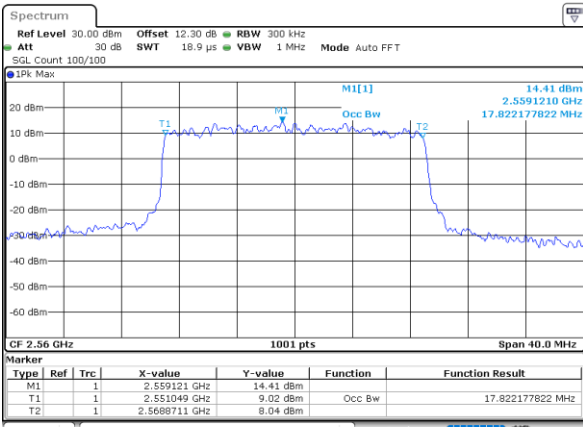
Date: 19\_SEP.2020 06:35:12

Middle Channel / 20MHz / 16QAM



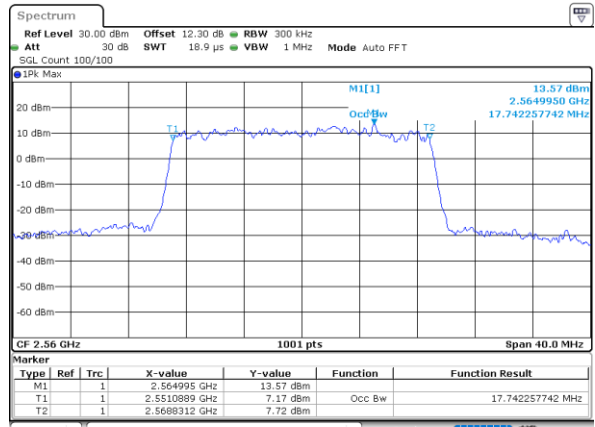
Date: 19\_SEP.2020 06:35:23

Highest Channel / 20MHz / QPSK



Date: 19\_SEP.2020 06:37:35

Highest Channel / 20MHz / 16QAM



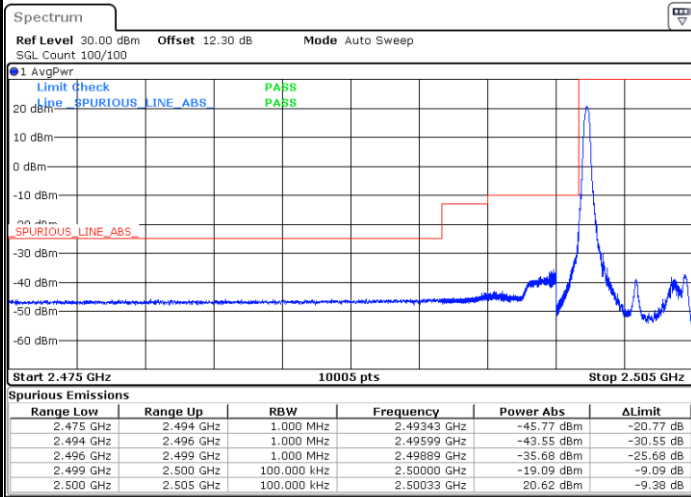
Date: 19\_SEP.2020 06:37:47



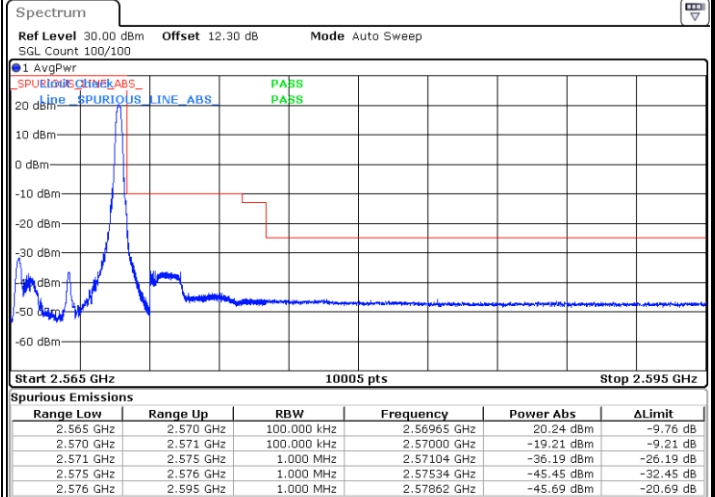
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

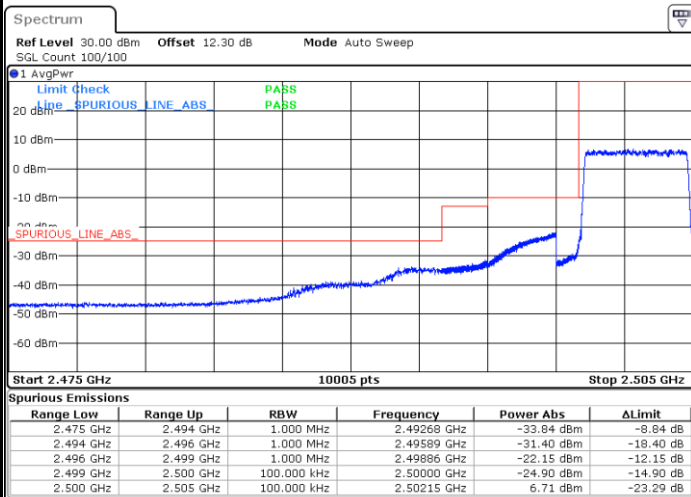
### Lowest Band Edge / 1 RB



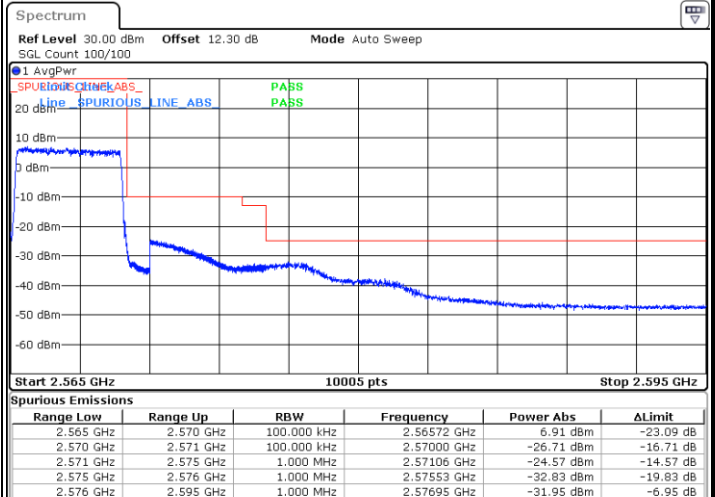
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB

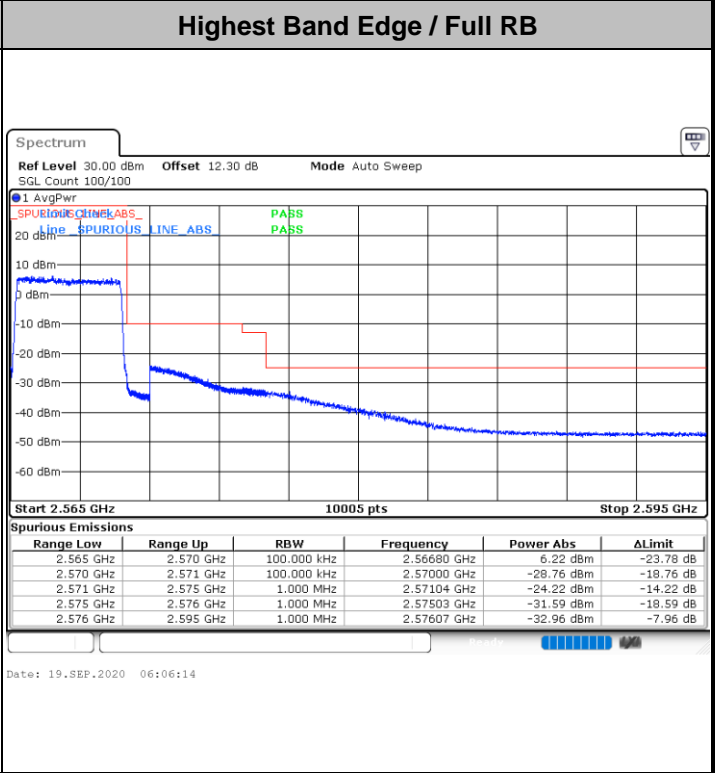
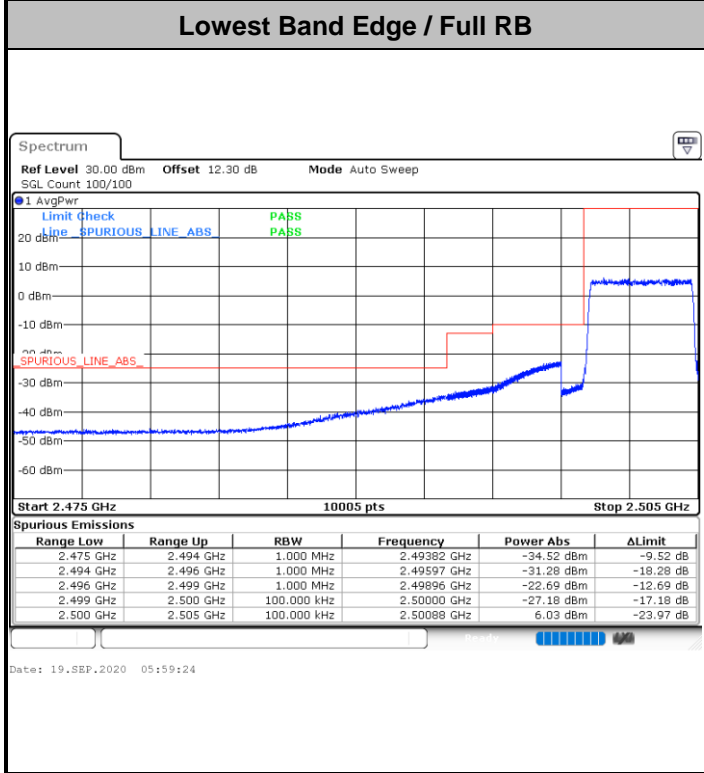
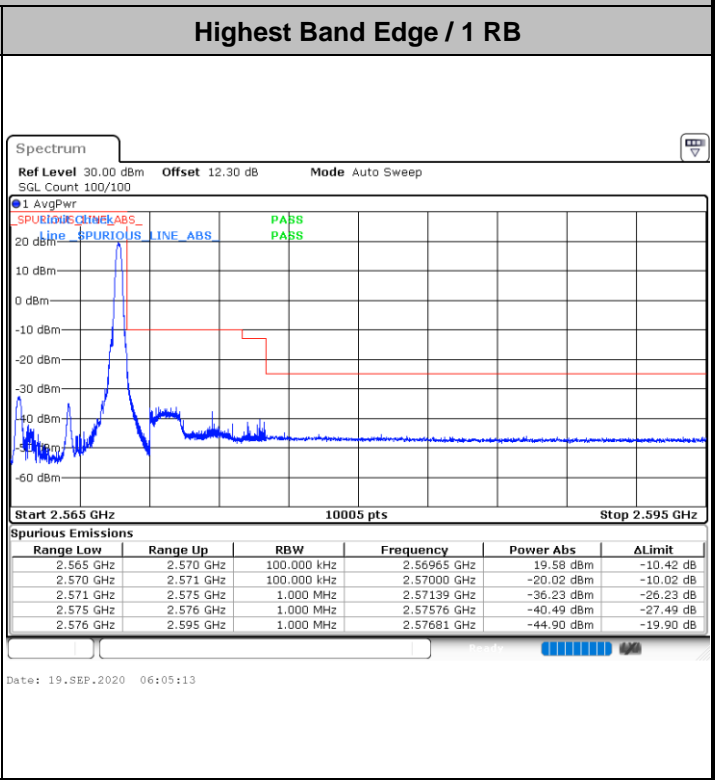
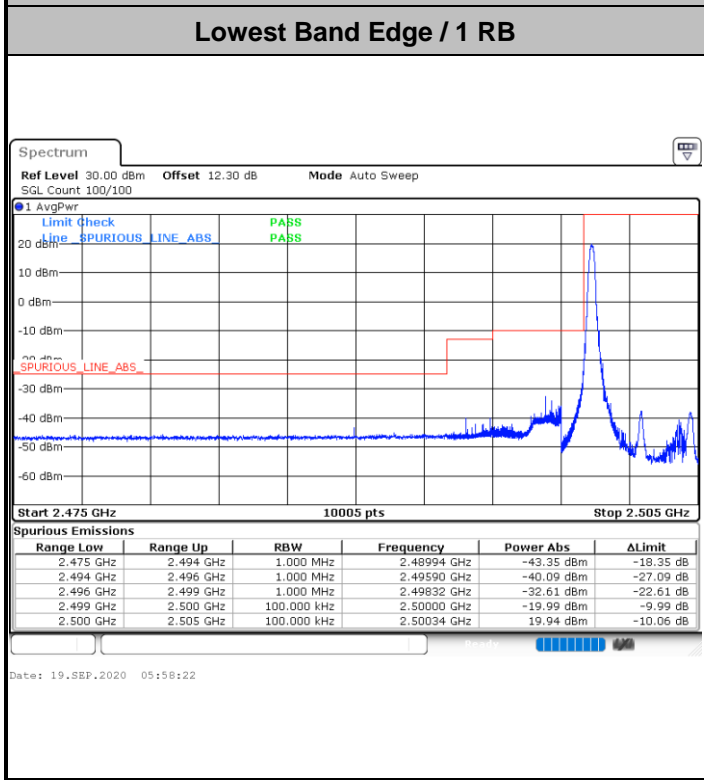


### Highest Band Edge / Full RB





LTE Band 7 / 5MHz / 16QAM

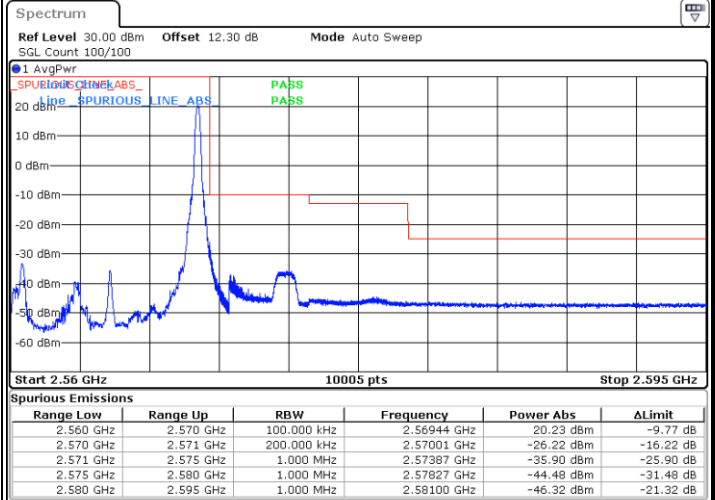
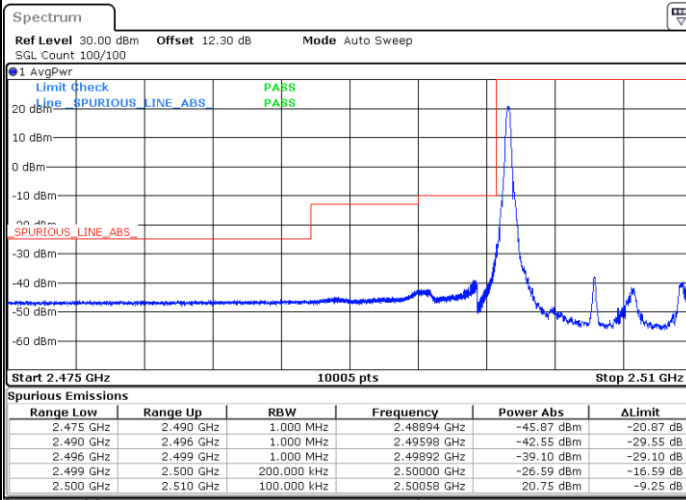




LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

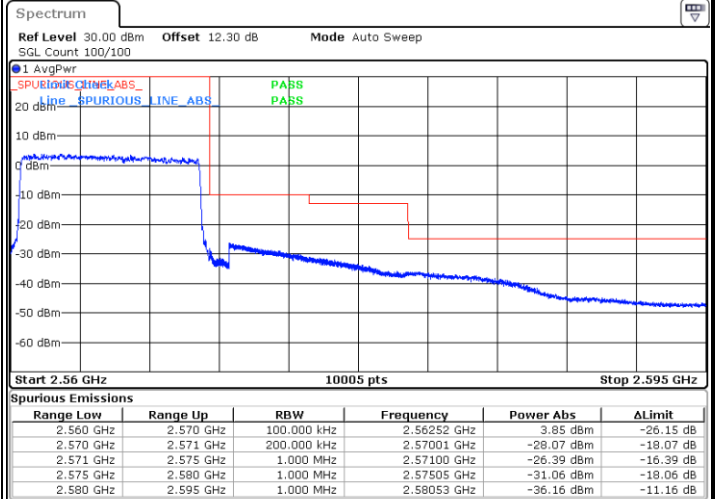
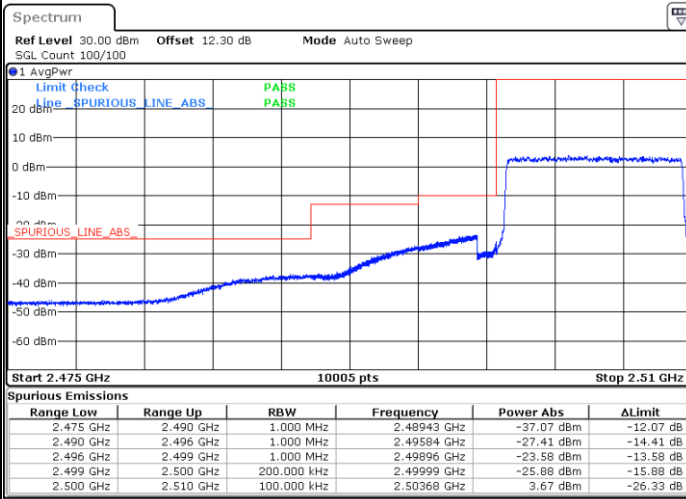


Date: 19.SEP.2020 06:09:11

Date: 19.SEP.2020 06:16:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.SEP.2020 06:10:12

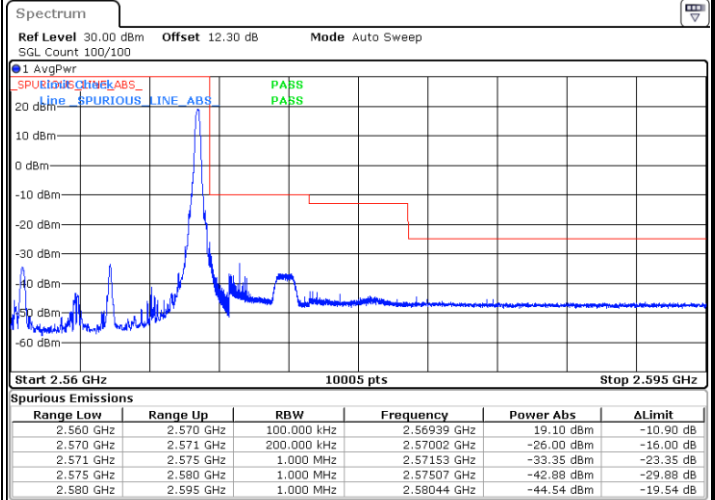
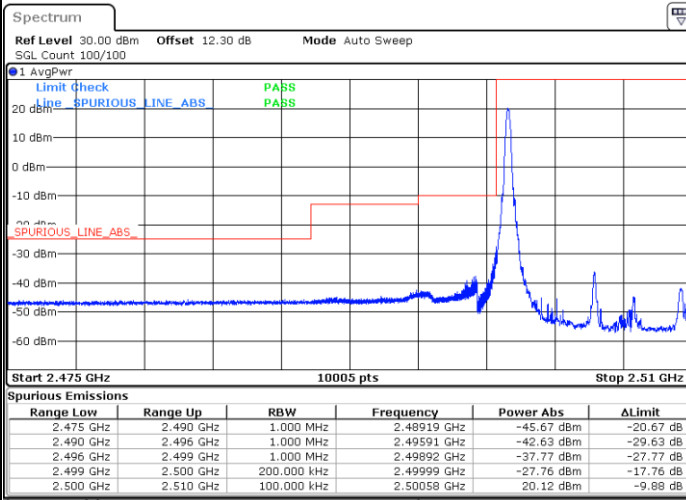
Date: 19.SEP.2020 06:17:02



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

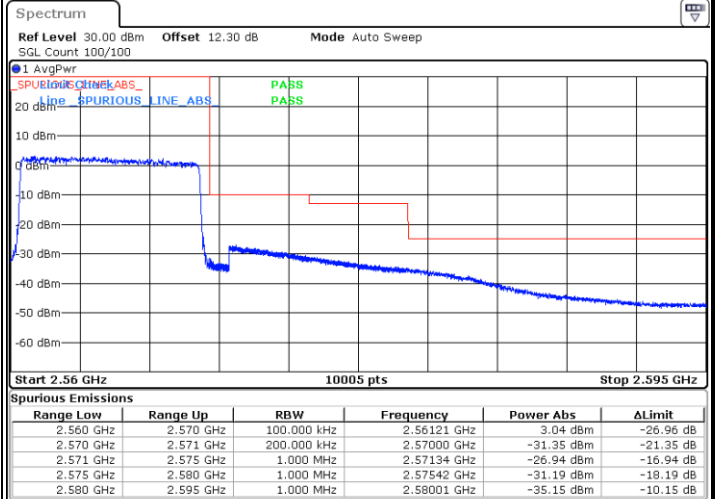
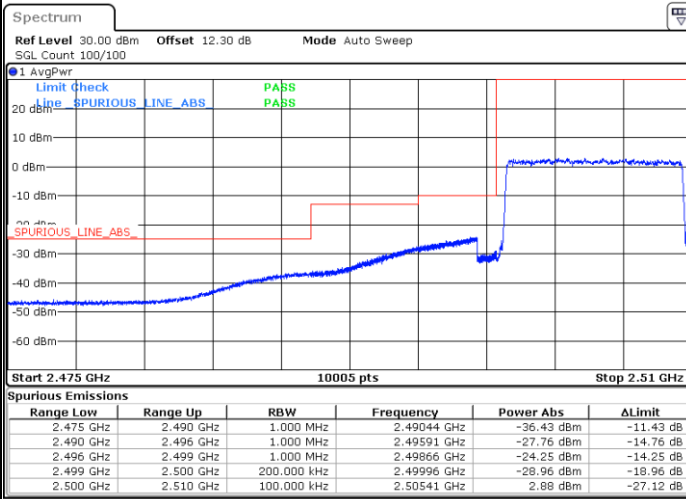


Date: 19\_SEP.2020 06:09:41

Date: 19\_SEP.2020 06:16:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19\_SEP.2020 06:10:42

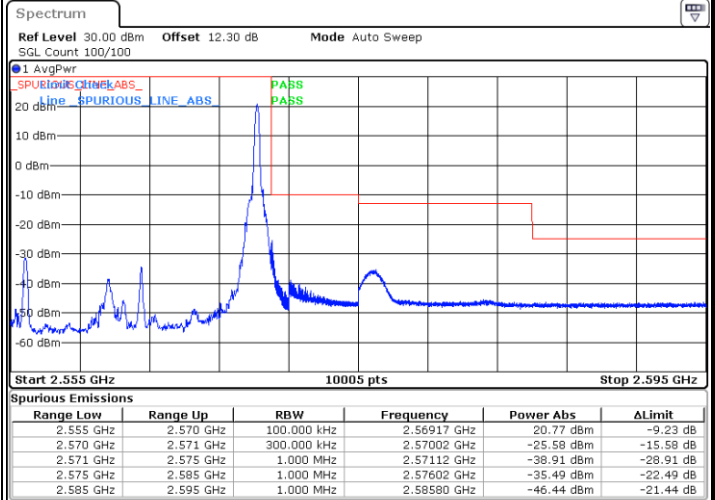
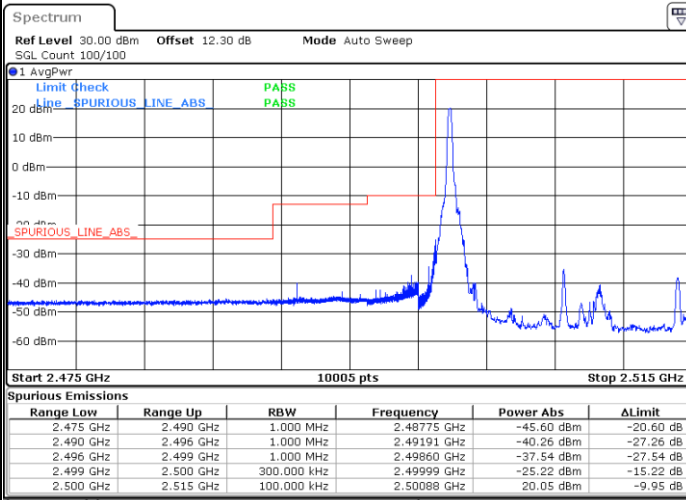
Date: 19\_SEP.2020 06:17:32



LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

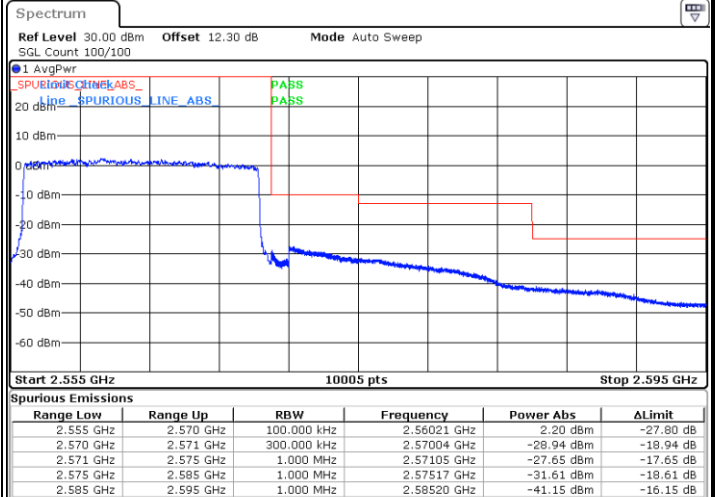
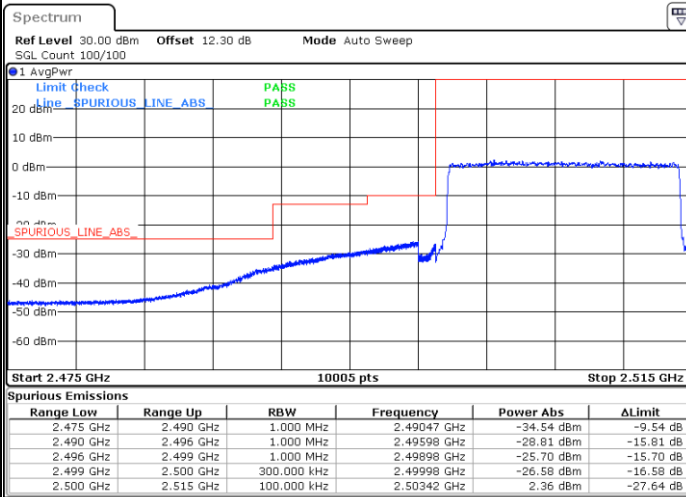


Date: 19\_SEP.2020 06:20:30

Date: 19\_SEP.2020 06:27:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



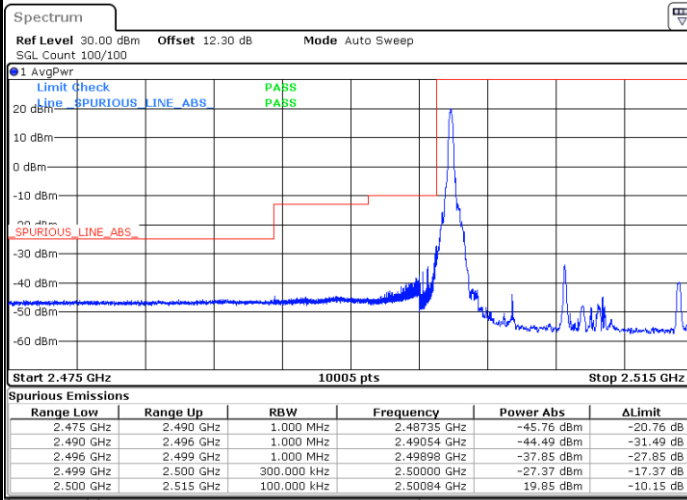
Date: 19\_SEP.2020 06:21:31

Date: 19\_SEP.2020 06:28:22



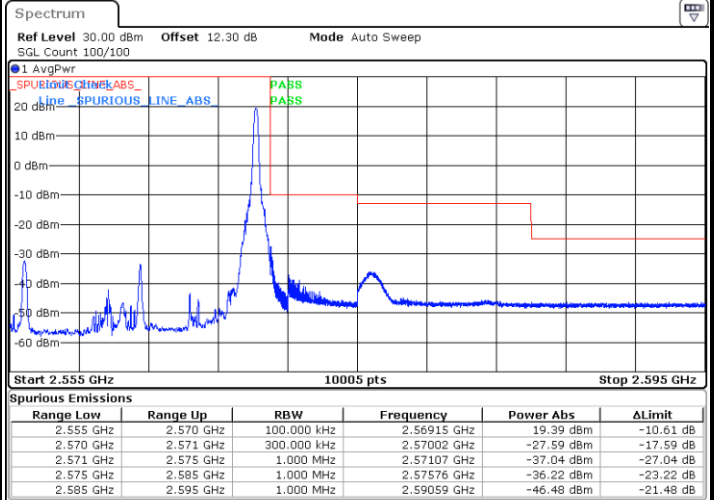
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



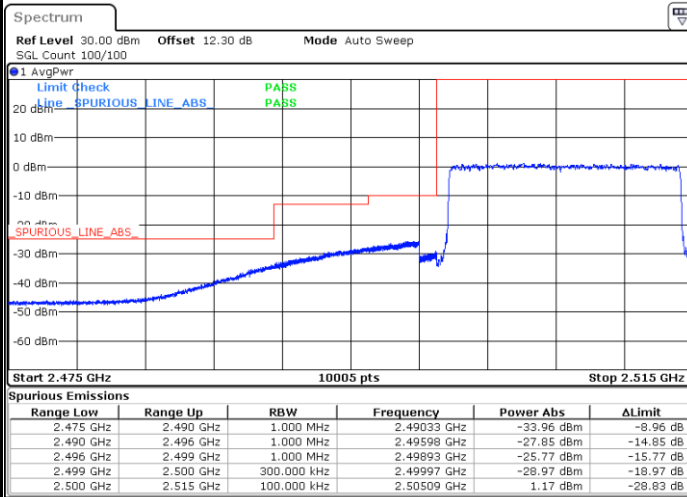
Date: 19\_SEP.2020 06:21:00

Highest Band Edge / 1 RB



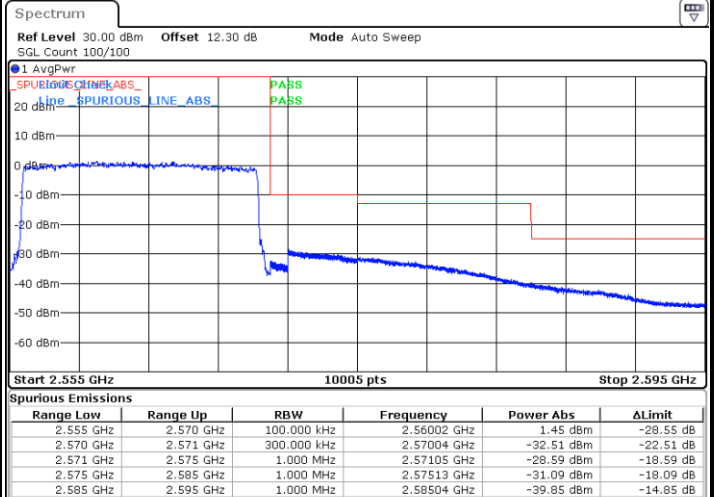
Date: 19\_SEP.2020 06:27:51

Lowest Band Edge / Full RB



Date: 19\_SEP.2020 06:22:02

Highest Band Edge / Full RB



Date: 19\_SEP.2020 06:28:52

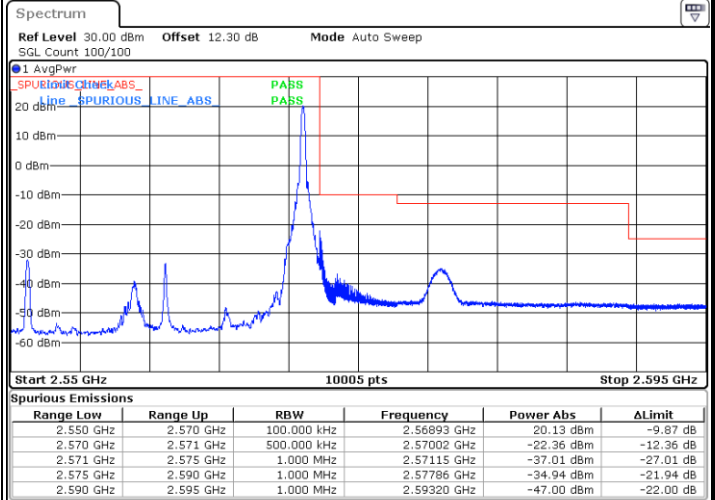
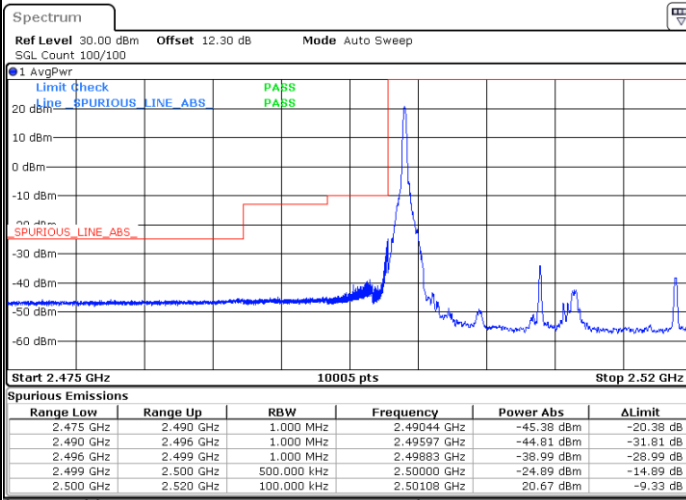




LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

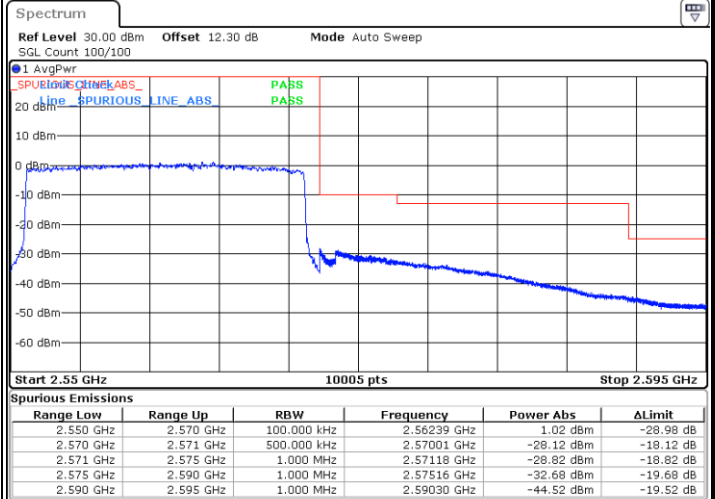
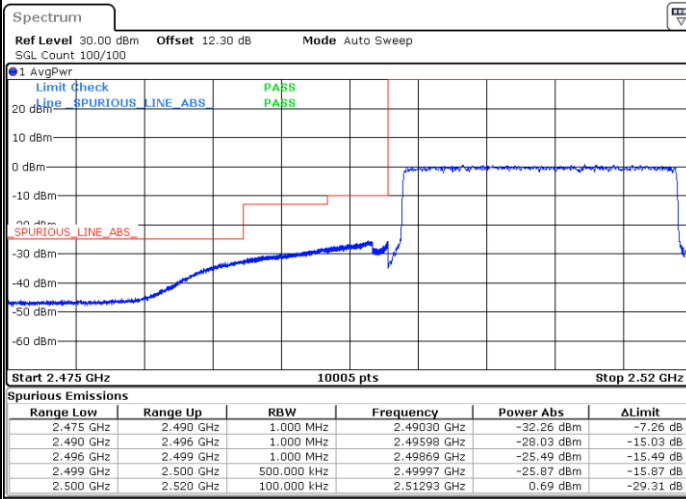


Date: 19\_SEP.2020 06:31:49

Date: 19\_SEP.2020 06:38:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



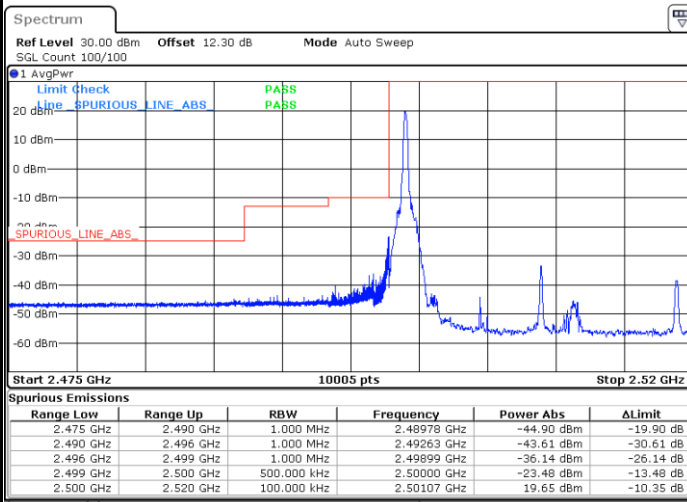
Date: 19\_SEP.2020 06:32:51

Date: 19\_SEP.2020 06:40:12



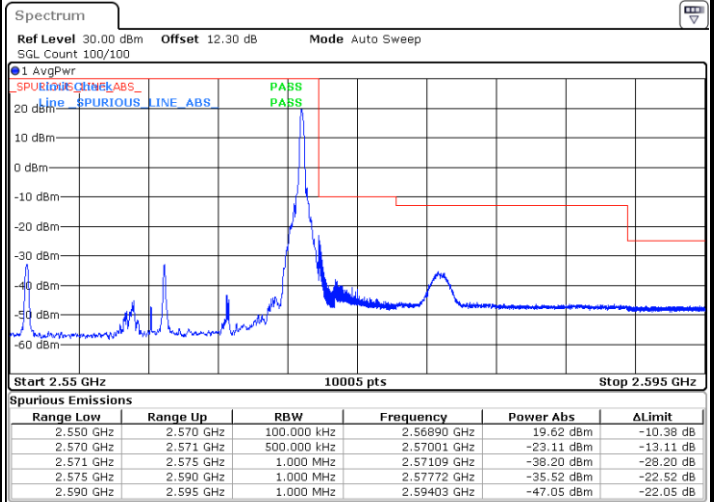
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



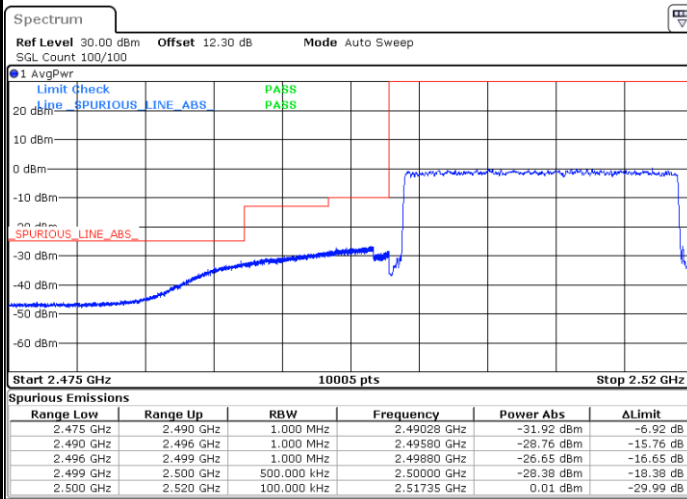
Date: 19\_SEP.2020 06:32:20

Highest Band Edge / 1RB



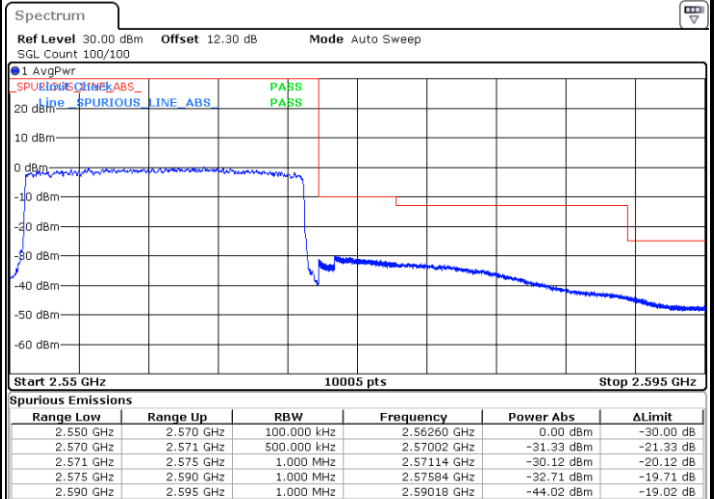
Date: 19\_SEP.2020 06:39:11

Lowest Band Edge / Full RB



Date: 19\_SEP.2020 06:33:21

Highest Band Edge / Full RB



Date: 19\_SEP.2020 06:39:42



# Conducted Spurious Emission

