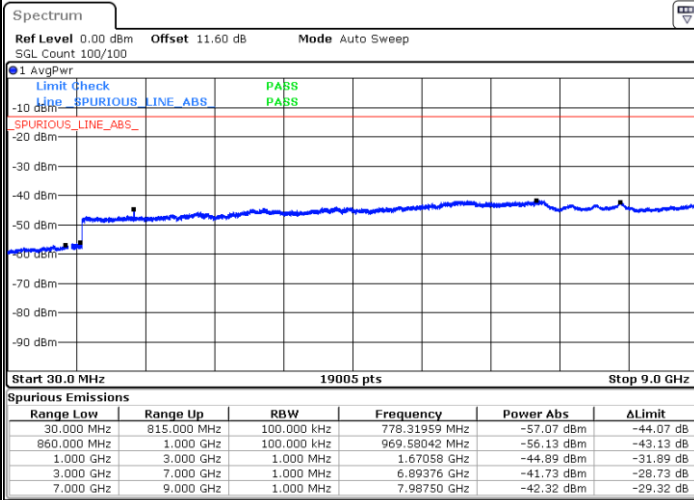




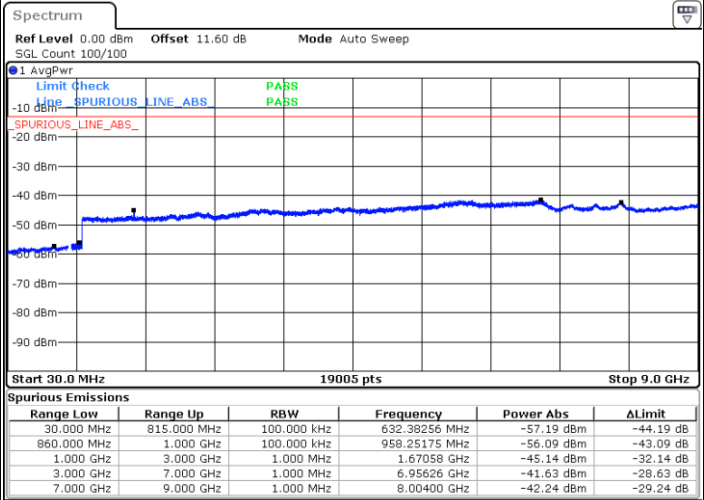
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



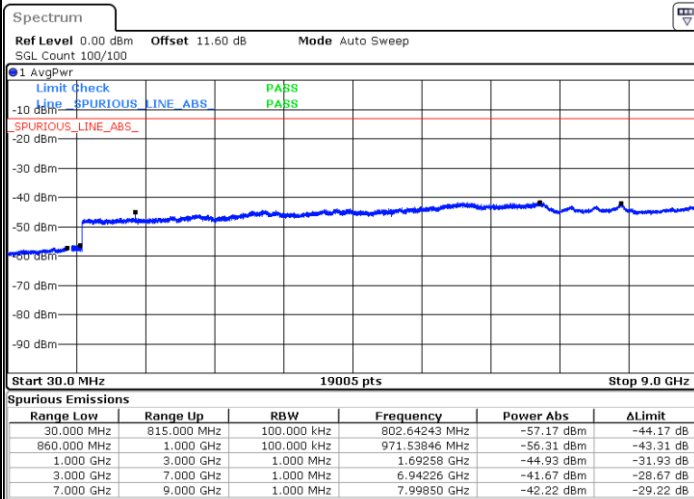
Date: 23.SEP.2020 00:34:31



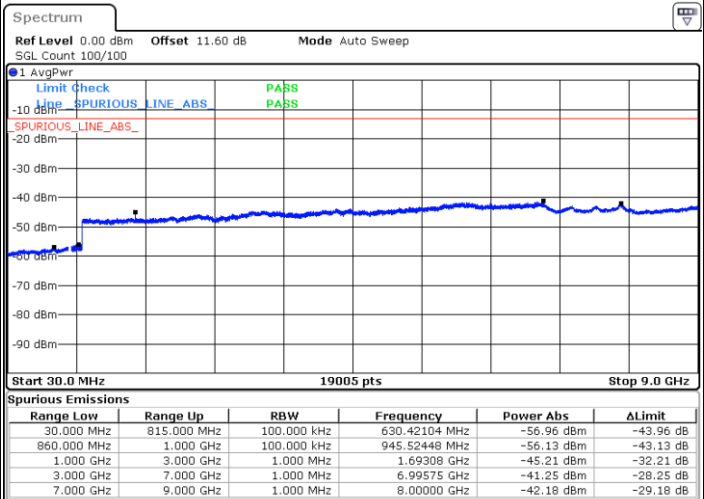
Date: 23.SEP.2020 00:35:15

Highest Channel / QPSK

Highest Channel / 16QAM



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



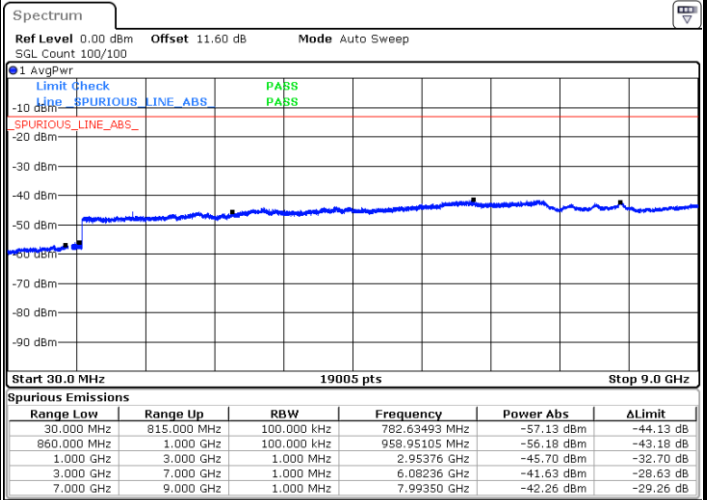
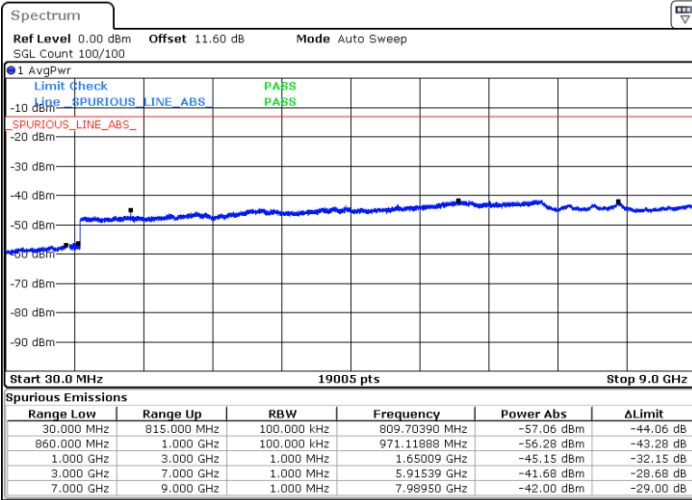
Date: 23.SEP.2020 00:44:13



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

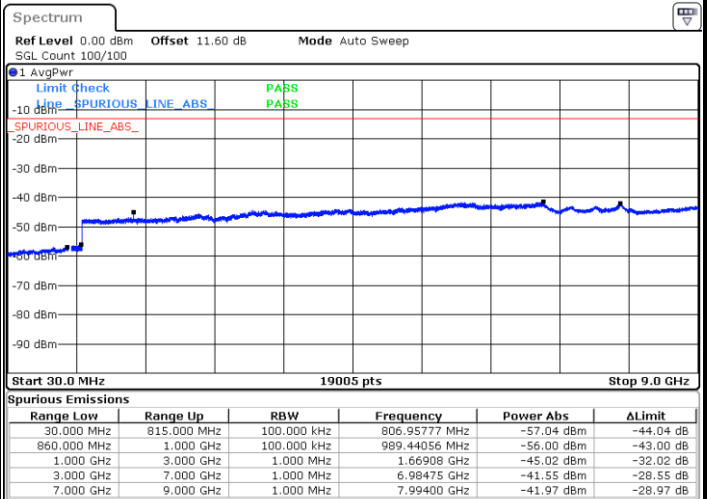
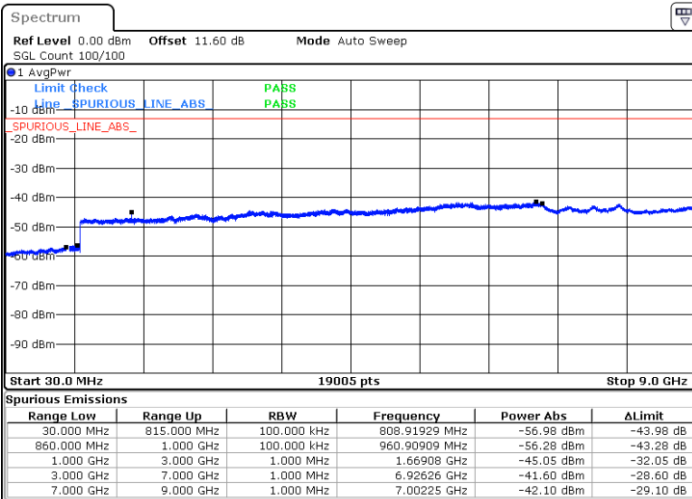


Date: 23.SEP.2020 01:00:59

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

Middle Channel / QPSK

Middle Channel / 16QAM



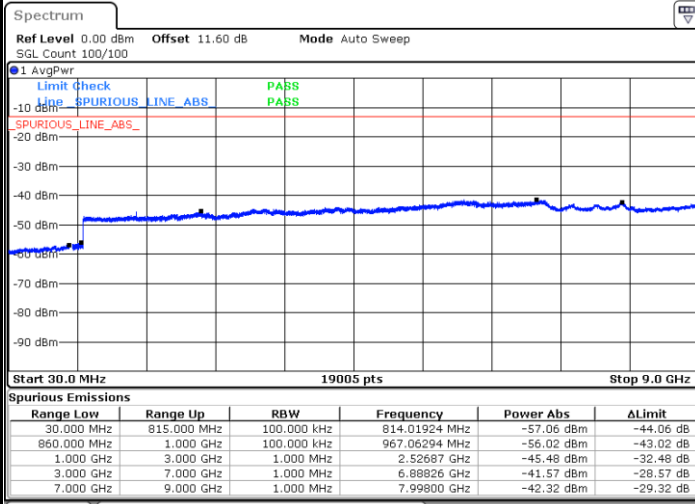
Date: 23.SEP.2020 01:03:14

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



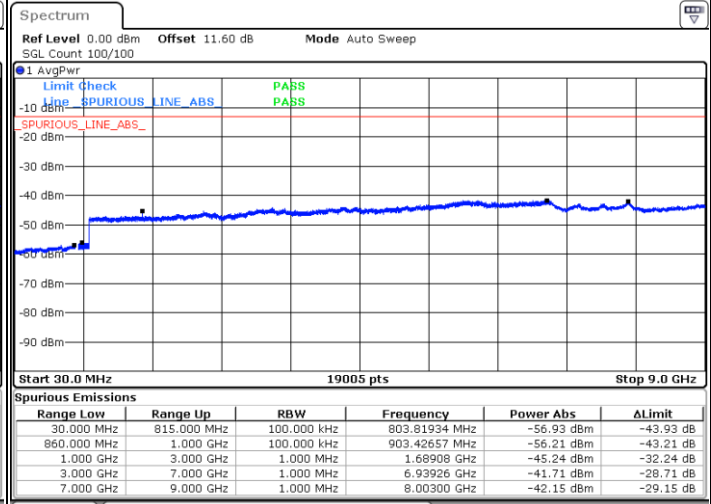
LTE Band 5 / 5MHz

Highest Channel / QPSK



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

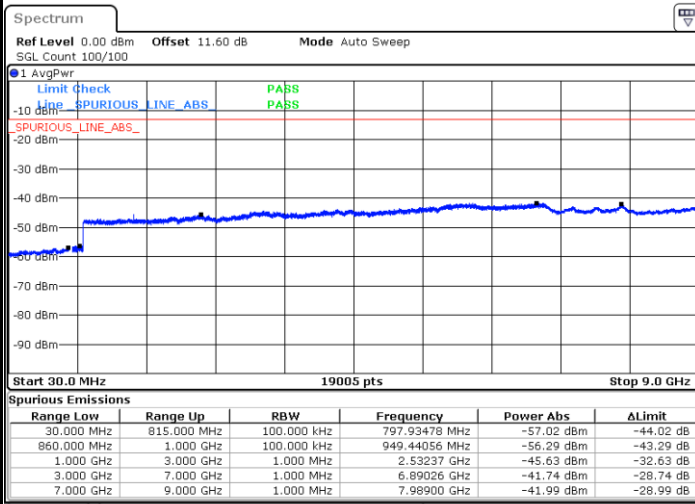
Highest Channel / 16QAM



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

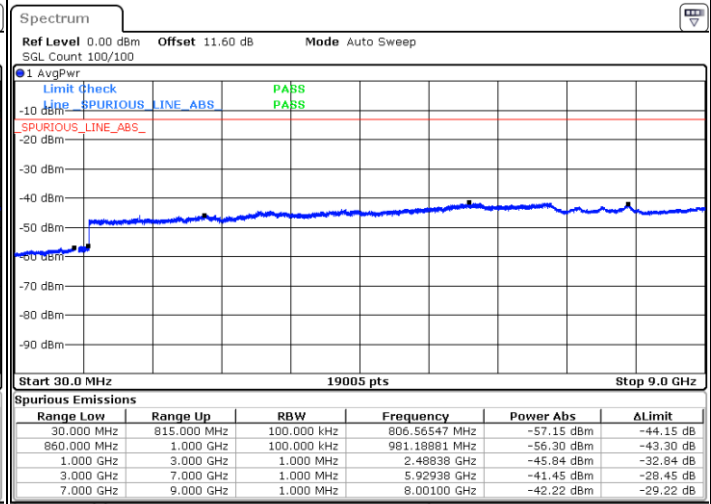
LTE Band 5 / 10MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM



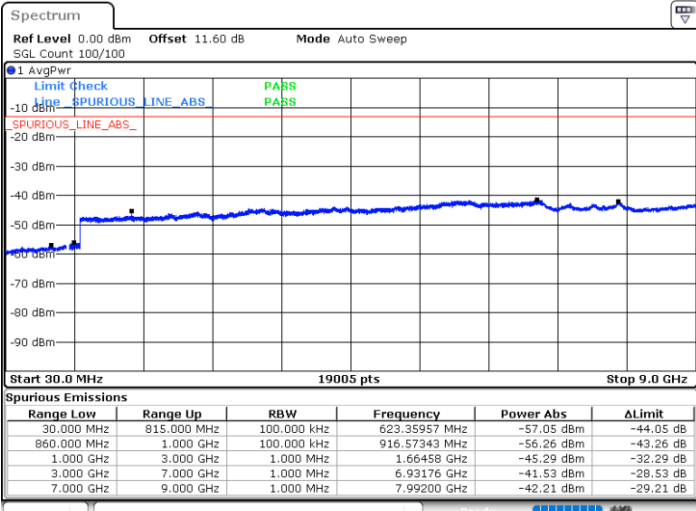
Date: 23.SEP.2020 01:21:54



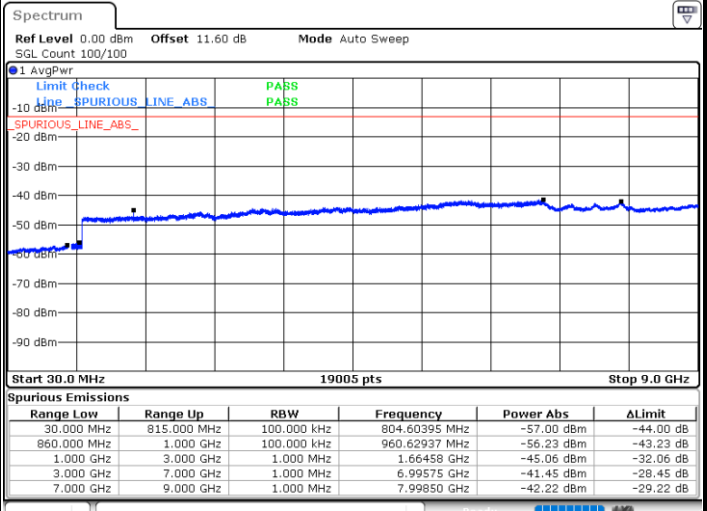
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



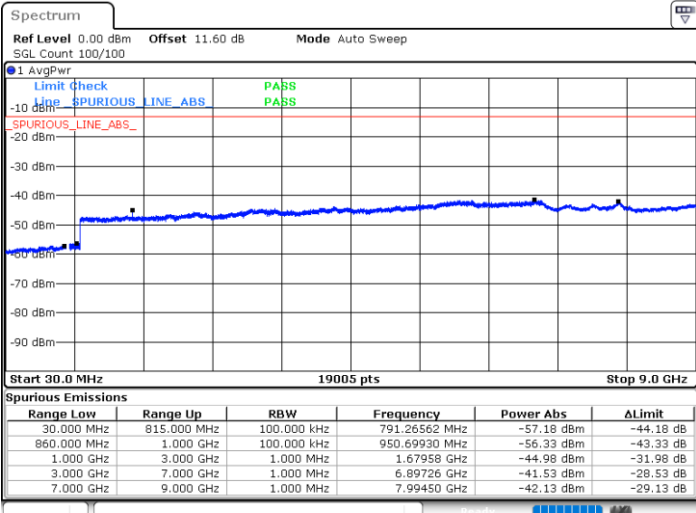
Date: 23.SEP.2020 01:23:24



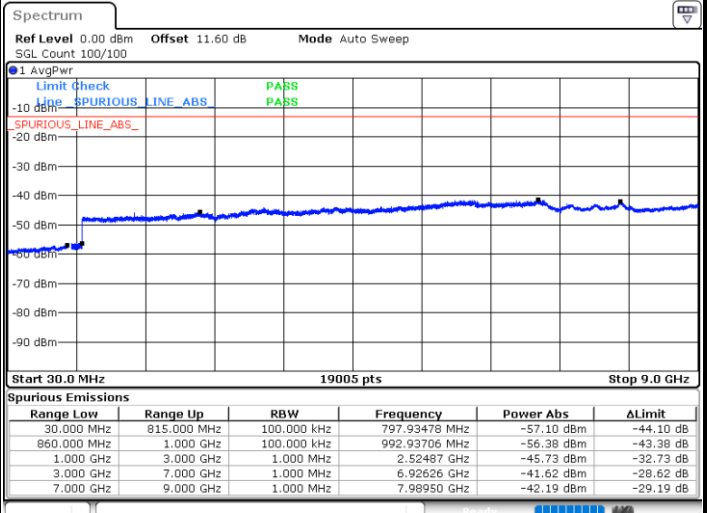
Date: 23.SEP.2020 01:24:08

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

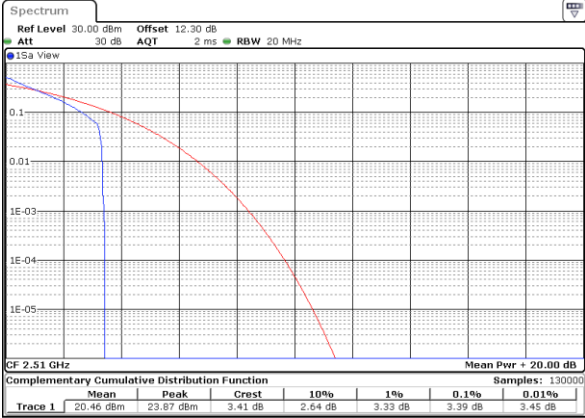
### Peak-to-Average Ratio

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	



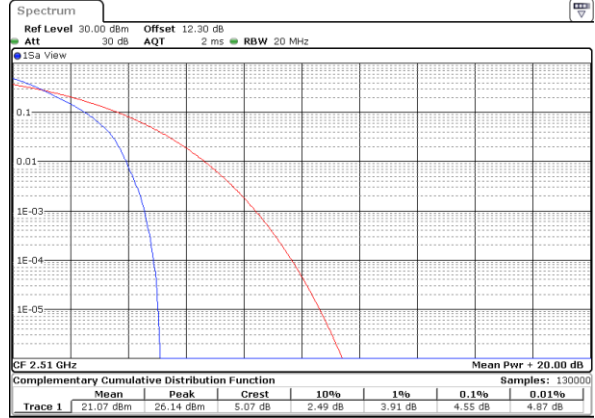
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



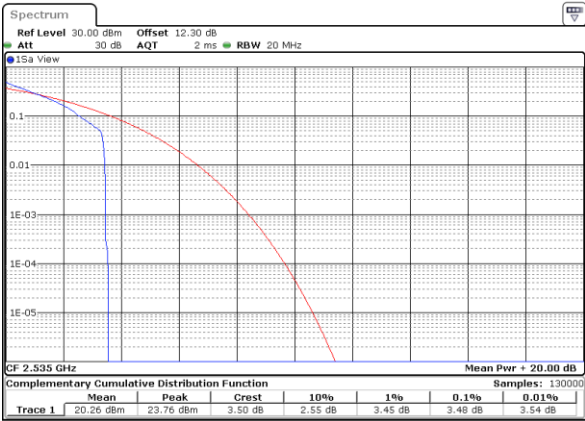
Date: 19\_SEP.2020 06:43:14

Lowest Channel / Full RB



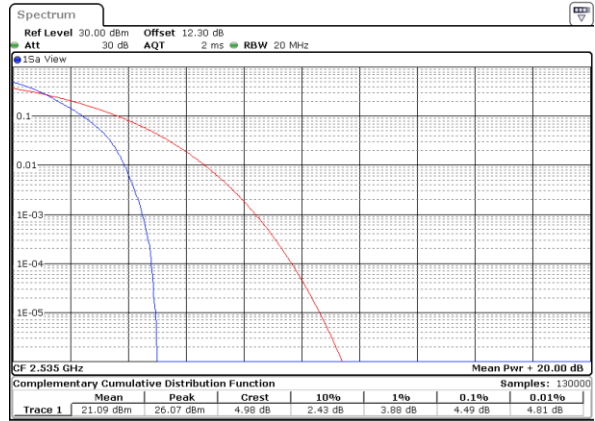
Date: 19\_SEP.2020 06:43:25

Middle Channel / 1RB



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

Middle Channel / Full RB



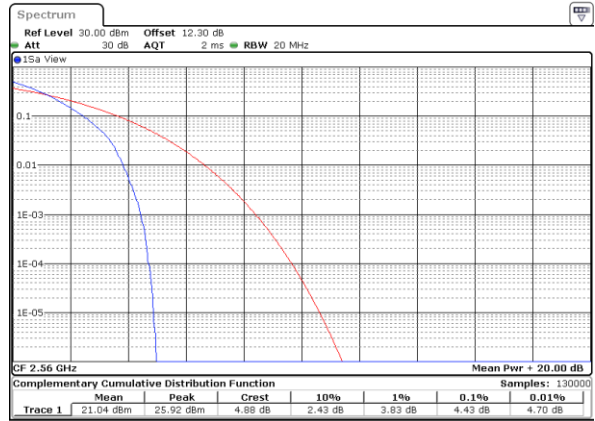
Date: 19\_SEP.2020 06:43:46

Highest Channel / 1RB



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

Highest Channel / Full RB

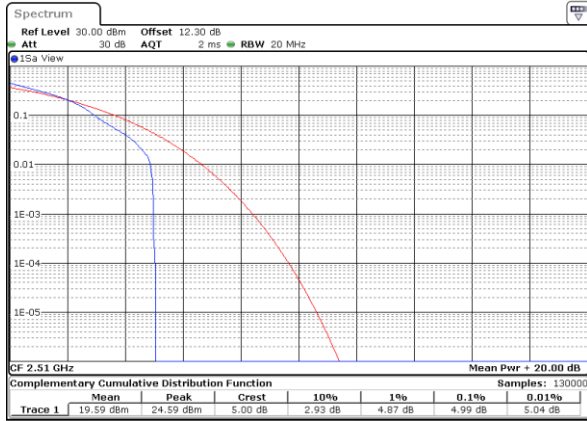


Date: 19\_SEP.2020 06:44:10



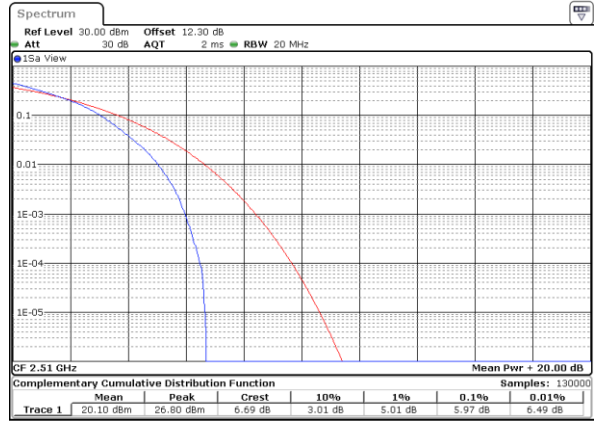
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



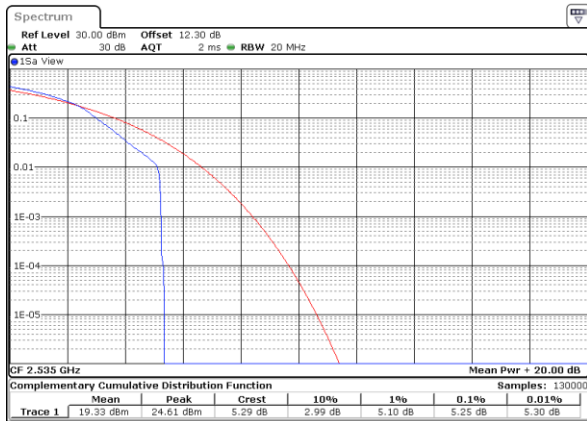
Date: 19\_SEP.2020 06:42:08

Lowest Channel / Full RB



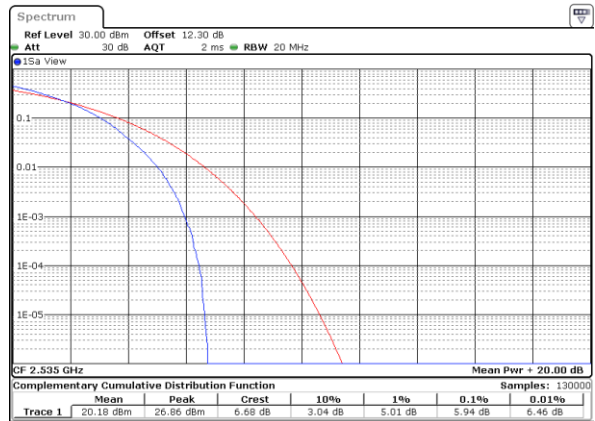
Date: 19\_SEP.2020 06:45:02

Middle Channel / 1RB



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

Middle Channel / Full RB



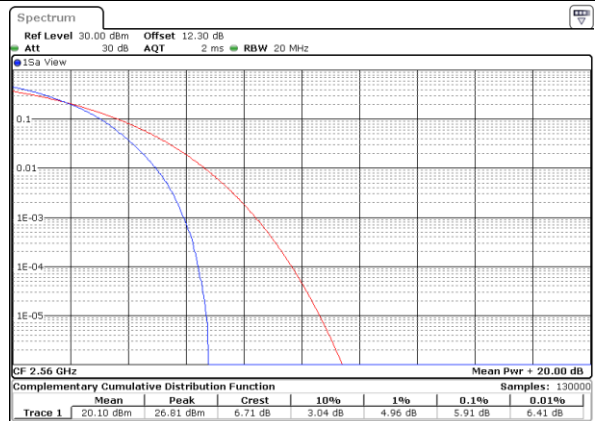
Date: 19\_SEP.2020 06:42:40

Highest Channel / 1RB



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

Highest Channel / Full RB



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





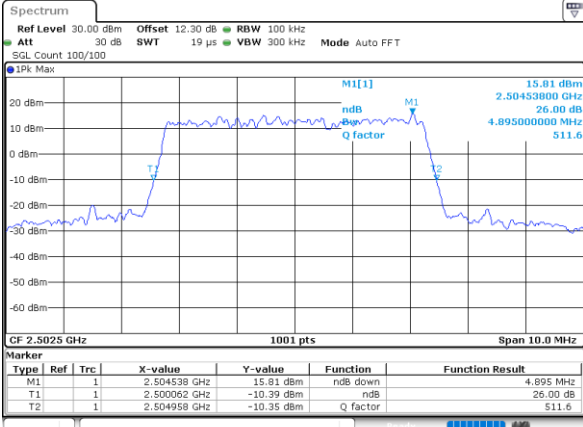
**26dB Bandwidth**

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



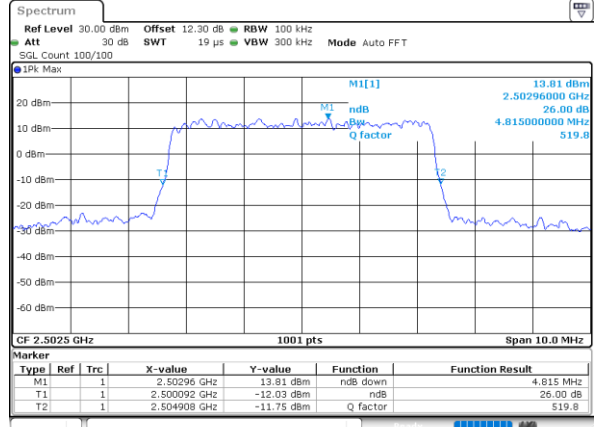
LTE Band 7

Lowest Channel / 5MHz / QPSK



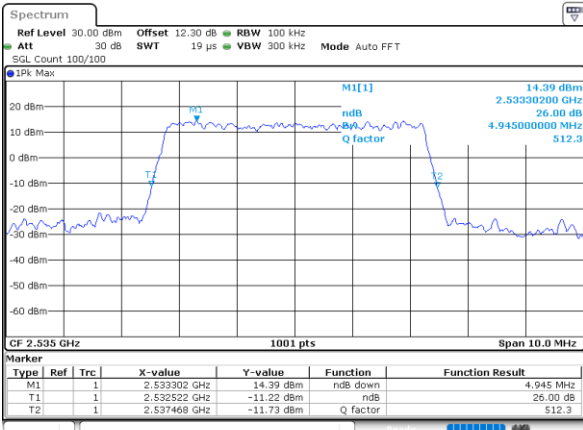
Date: 19\_SEP.2020 05:57:09

Lowest Channel / 5MHz / 16QAM



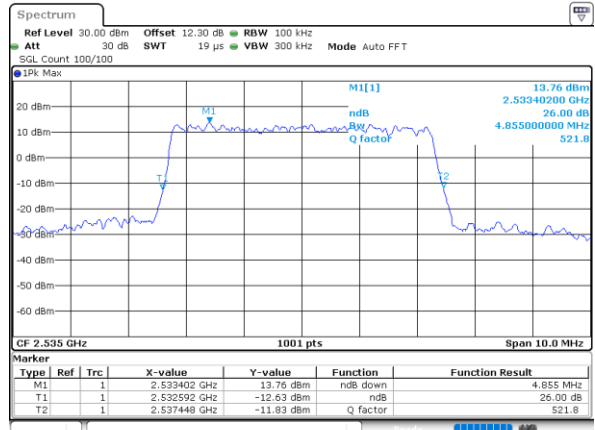
Date: 19\_SEP.2020 05:57:121

Middle Channel / 5MHz / QPSK



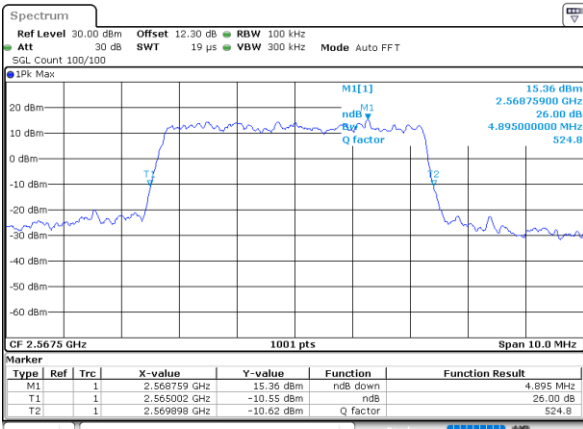
Date: 19\_SEP.2020 06:01:37

Middle Channel / 5MHz / 16QAM



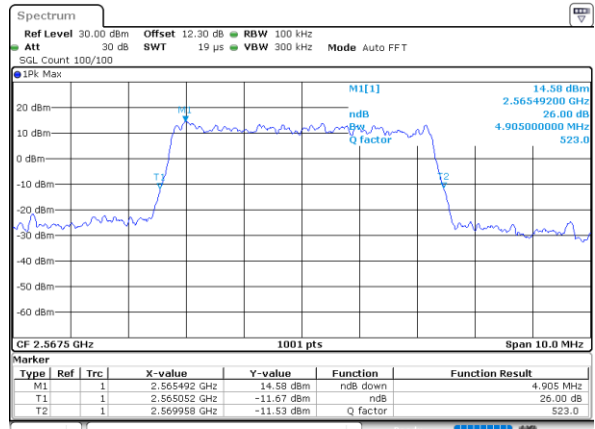
Date: 19\_SEP.2020 06:01:148

Highest Channel / 5MHz / QPSK



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

Highest Channel / 5MHz / 16QAM

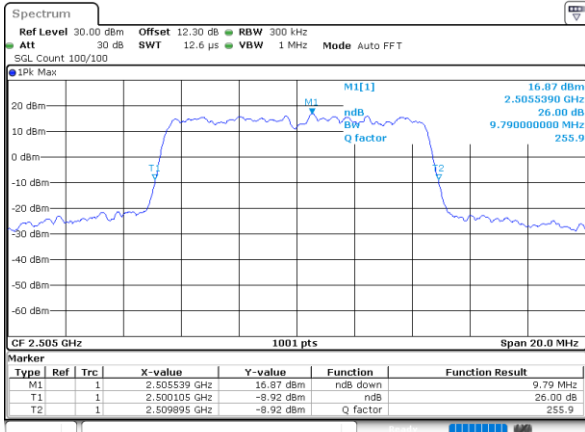


Date: 19\_SEP.2020 06:04:113



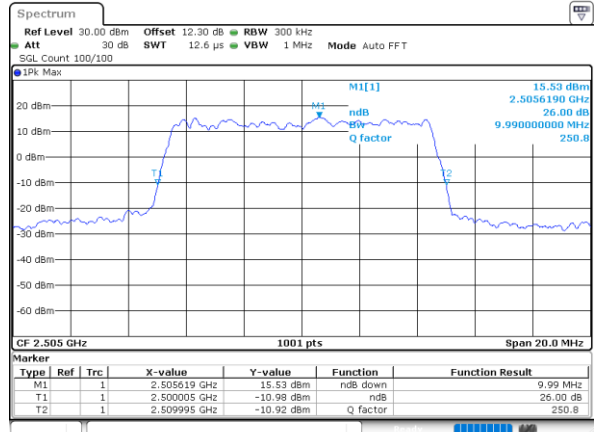
LTE Band 7

Lowest Channel / 10MHz / QPSK



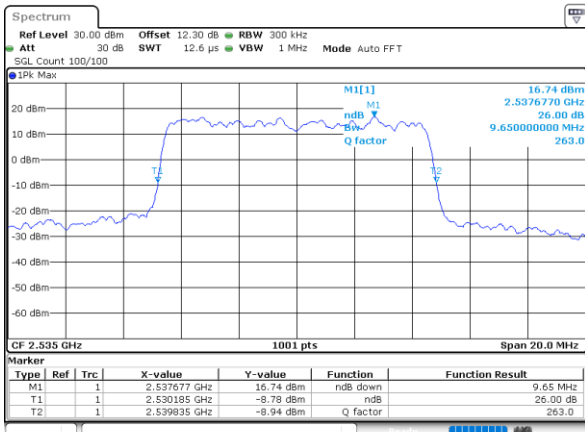
Date: 19\_SEP.2020 06:08:29

Lowest Channel / 10MHz / 16QAM



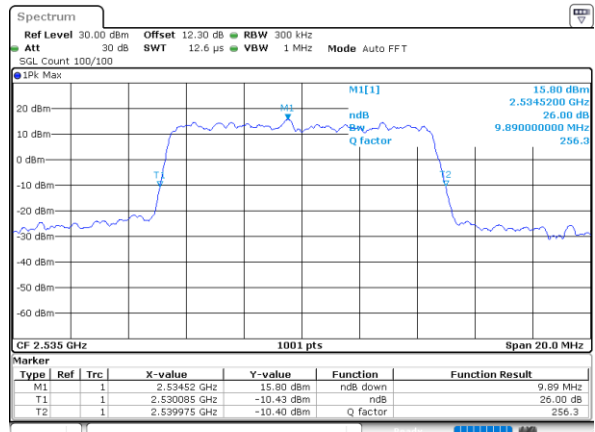
Date: 19\_SEP.2020 06:10:41

Middle Channel / 10MHz / QPSK



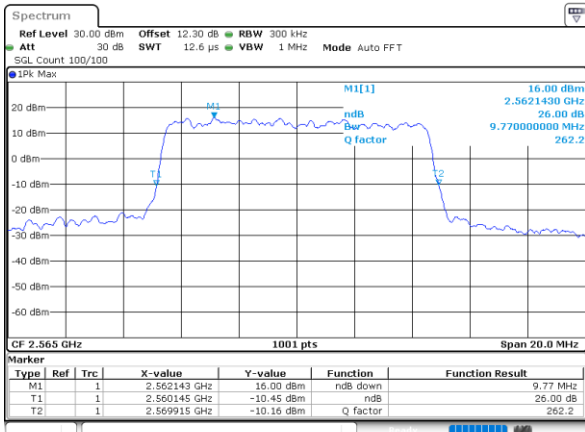
Date: 19\_SEP.2020 06:12:55

Middle Channel / 10MHz / 16QAM



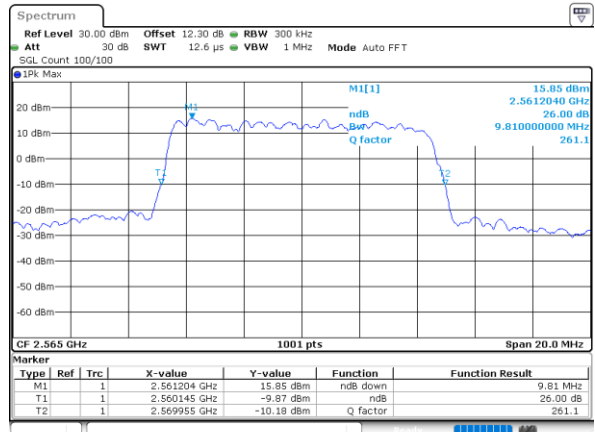
Date: 19\_SEP.2020 06:13:06

Highest Channel / 10MHz / QPSK



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

Highest Channel / 10MHz / 16QAM

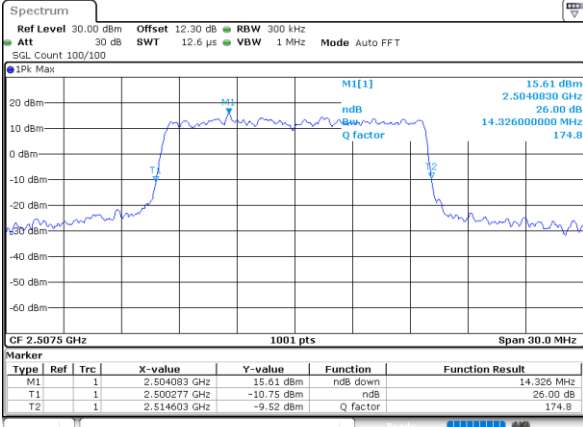


Date: 19\_SEP.2020 06:15:31



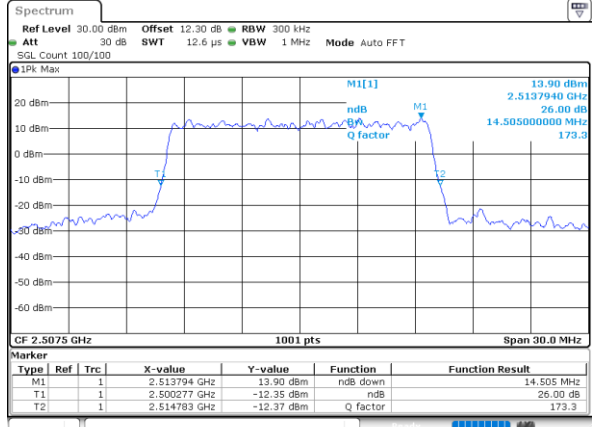
LTE Band 7

Lowest Channel / 15MHz / QPSK



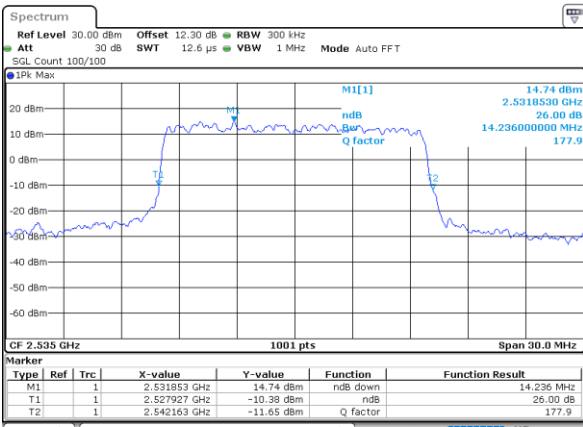
Date: 19\_SEP.2020 06:19:47

Lowest Channel / 15MHz / 16QAM



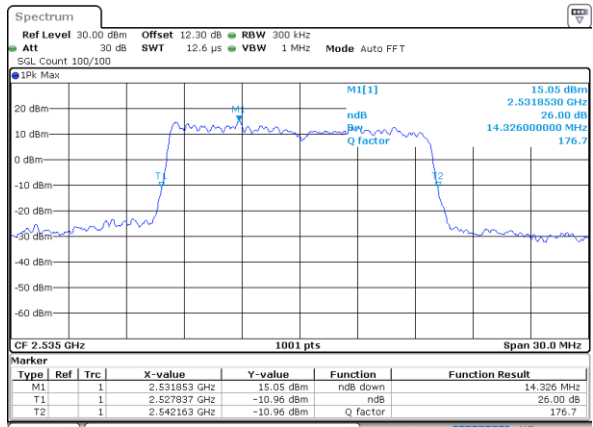
Date: 19\_SEP.2020 06:19:59

Middle Channel / 15MHz / QPSK



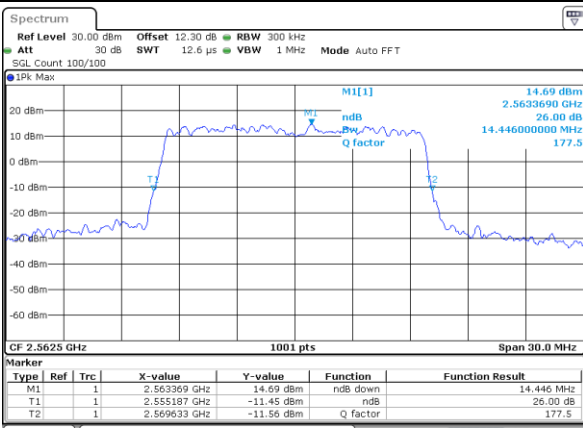
Date: 19\_SEP.2020 06:24:15

Middle Channel / 15MHz / 16QAM



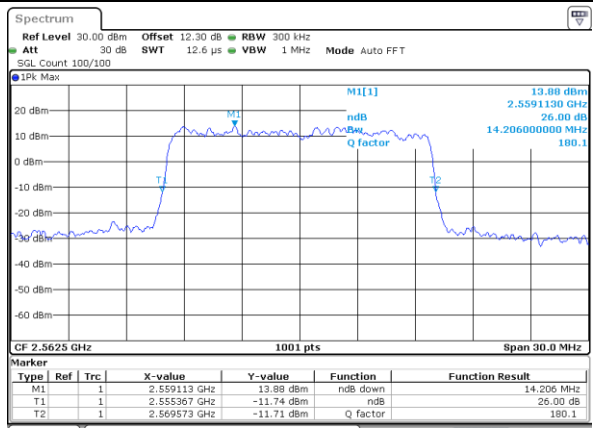
Date: 19\_SEP.2020 06:24:26

Highest Channel / 15MHz / QPSK



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

Highest Channel / 15MHz / 16QAM

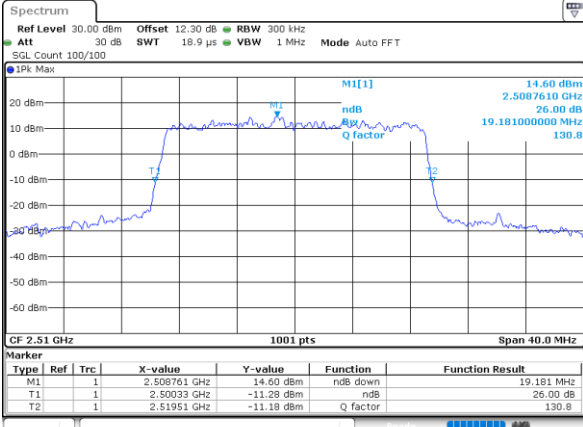


Date: 19\_SEP.2020 06:26:51



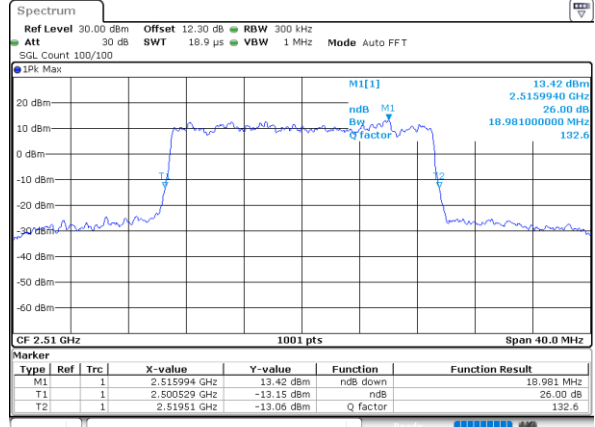
LTE Band 7

Lowest Channel / 20MHz / QPSK



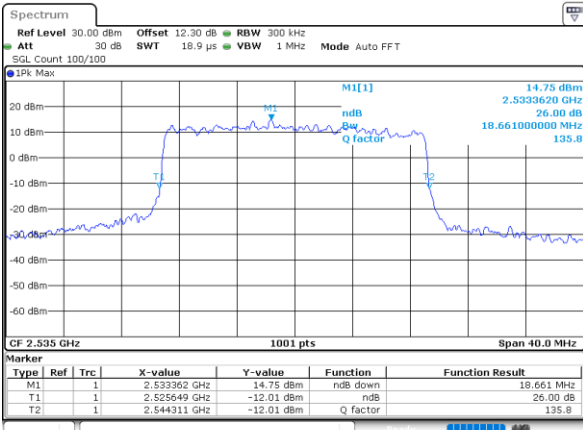
Date: 19\_SEP.2020 06:31:07

Lowest Channel / 20MHz / 16QAM



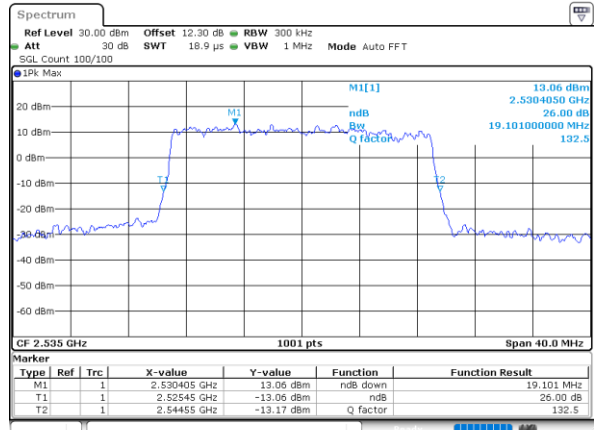
Date: 19\_SEP.2020 06:31:19

Middle Channel / 20MHz / QPSK



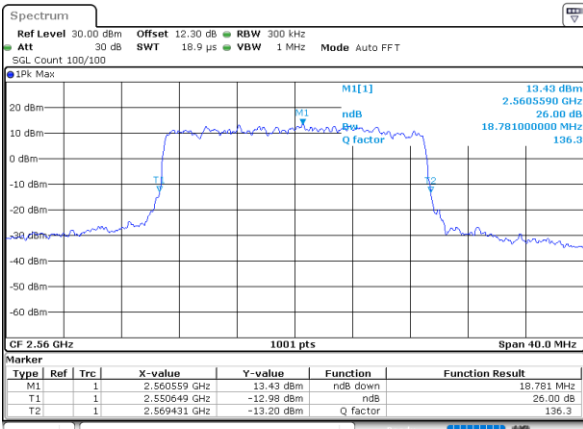
Date: 19\_SEP.2020 06:35:05

Middle Channel / 20MHz / 16QAM



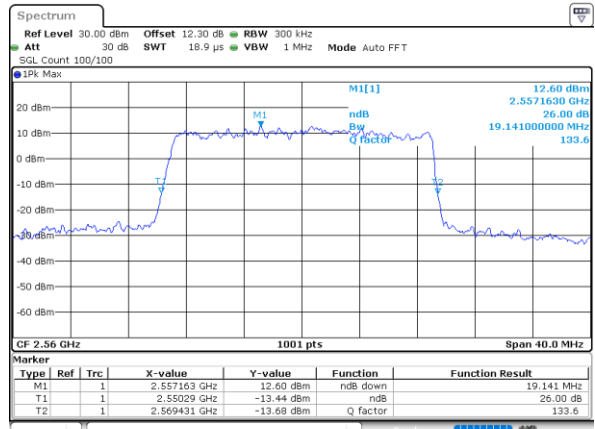
Date: 19\_SEP.2020 06:35:46

Highest Channel / 20MHz / QPSK



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

Highest Channel / 20MHz / 16QAM



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



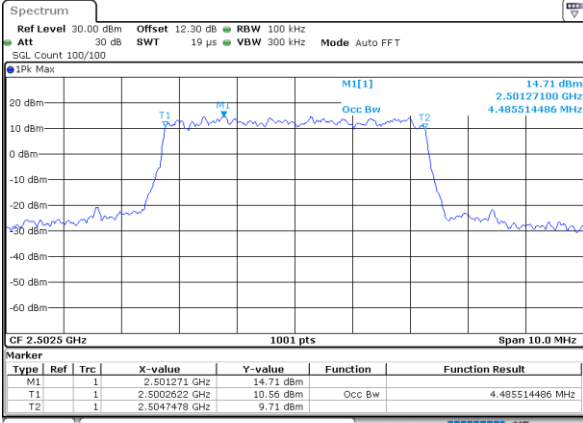
**Occupied Bandwidth**

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
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



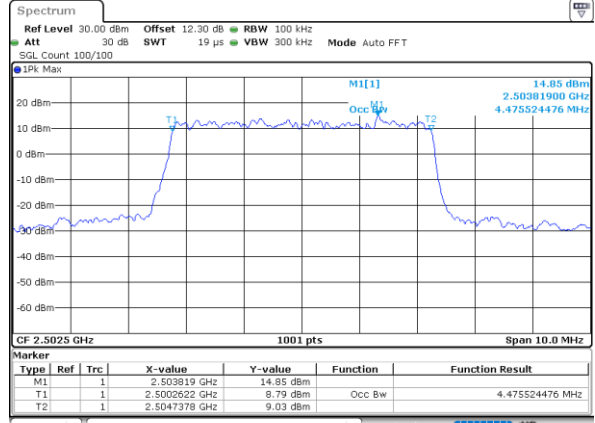
LTE Band 7

Lowest Channel / 5MHz / QPSK



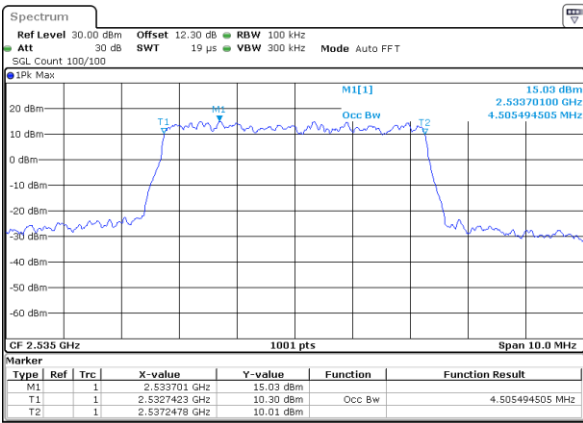
Date: 19\_SEP.2020 05:56:45

Lowest Channel / 5MHz / 16QAM



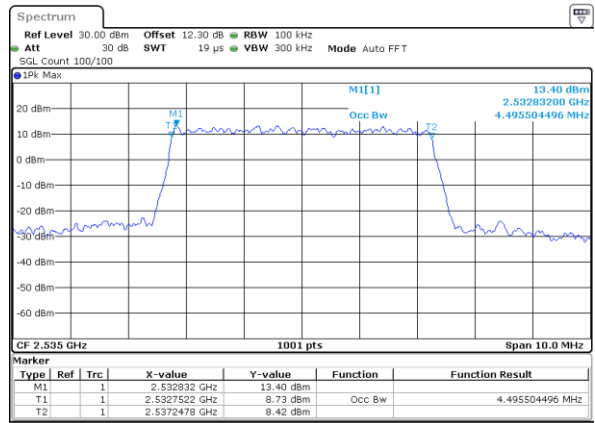
Date: 19\_SEP.2020 05:56:57

Middle Channel / 5MHz / QPSK



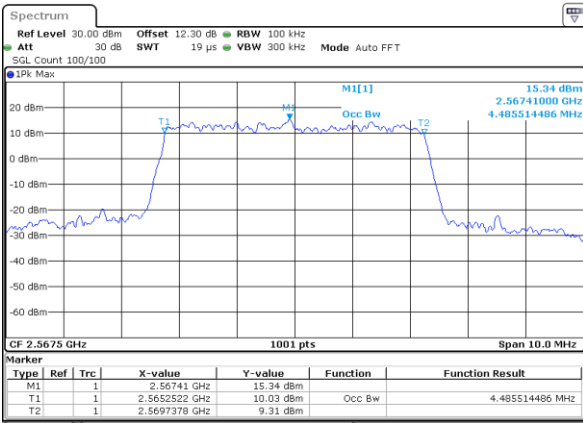
Date: 19\_SEP.2020 06:01:14

Middle Channel / 5MHz / 16QAM



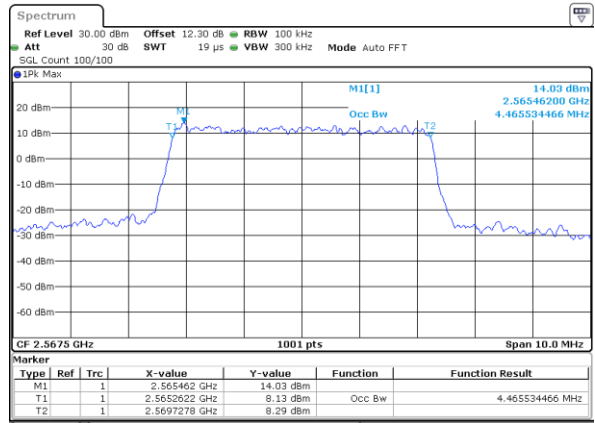
Date: 19\_SEP.2020 06:01:25

Highest Channel / 5MHz / QPSK



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

Highest Channel / 5MHz / 16QAM

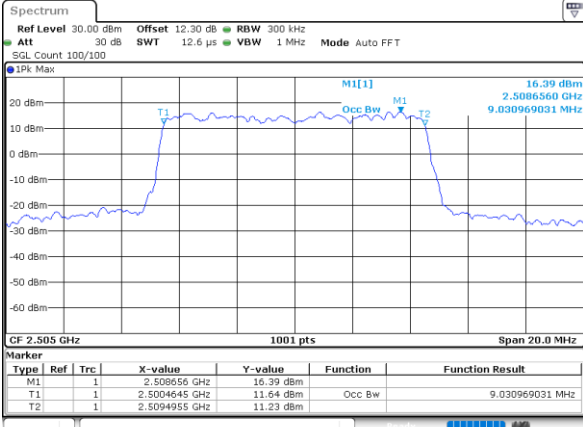


Date: 19\_SEP.2020 06:03:49



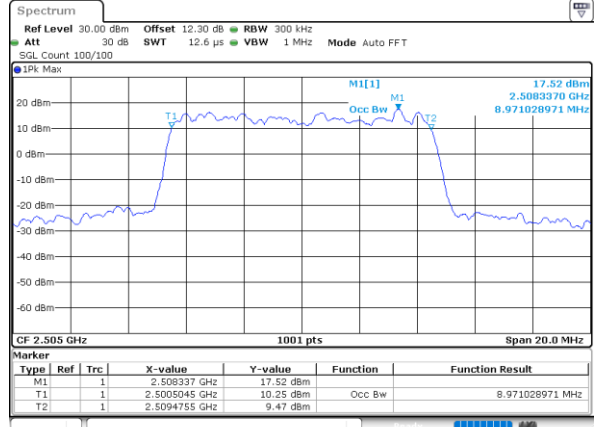
LTE Band 7

Lowest Channel / 10MHz / QPSK



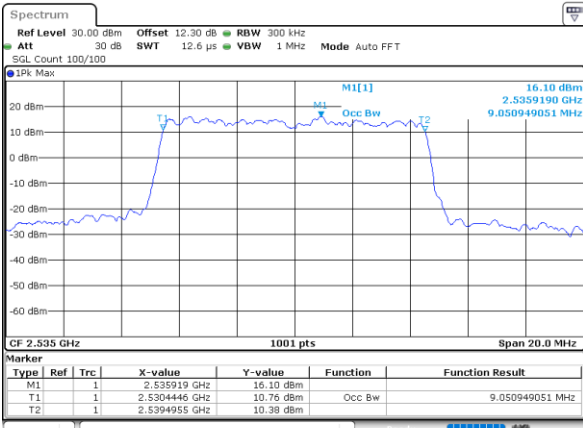
Date: 19\_SEP.2020 06:08:05

Lowest Channel / 10MHz / 16QAM



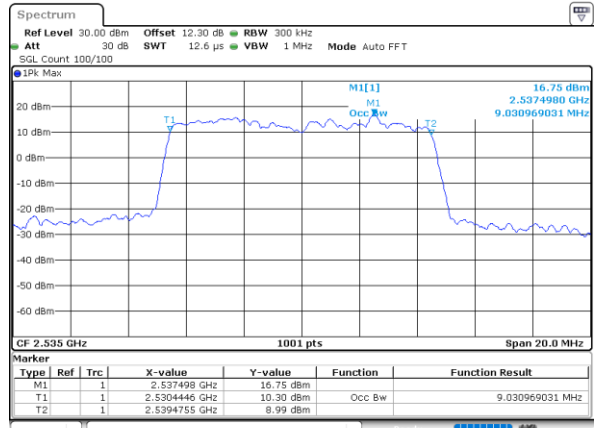
Date: 19\_SEP.2020 06:10:17

Middle Channel / 10MHz / QPSK



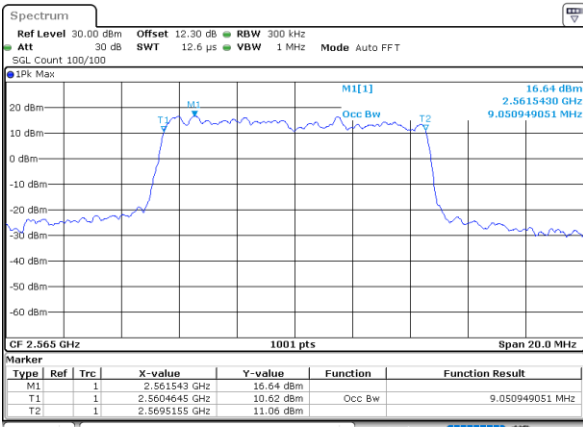
Date: 19\_SEP.2020 06:12:32

Middle Channel / 10MHz / 16QAM



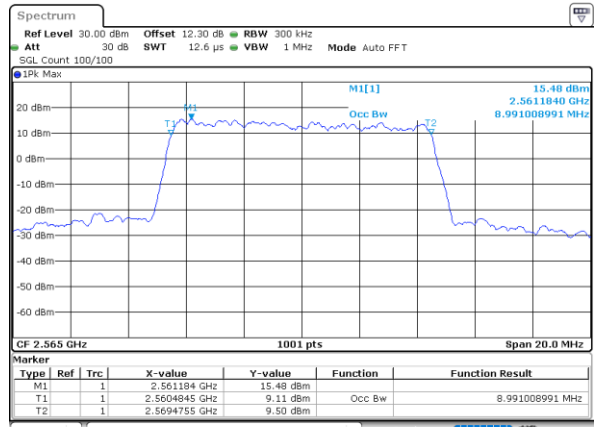
Date: 19\_SEP.2020 06:12:44

Highest Channel / 10MHz / QPSK



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

Highest Channel / 10MHz / 16QAM



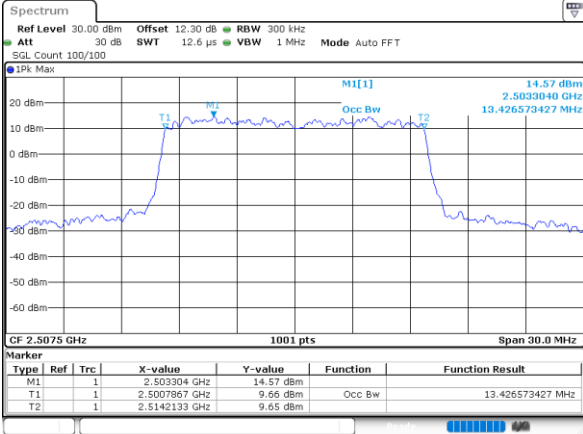
Date: 19\_SEP.2020 06:15:07





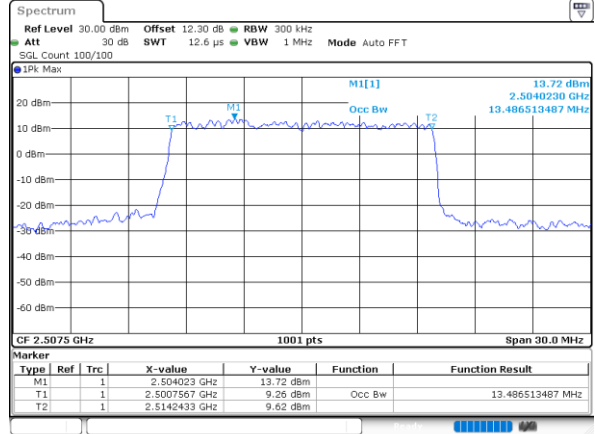
LTE Band 7

Lowest Channel / 15MHz / QPSK



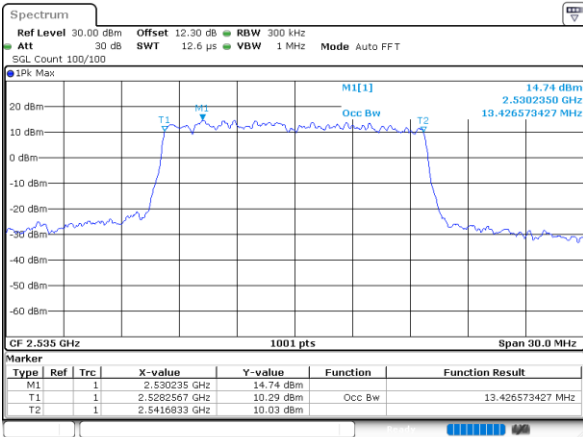
Date: 19\_SEP.2020 06:19:24

Lowest Channel / 15MHz / 16QAM



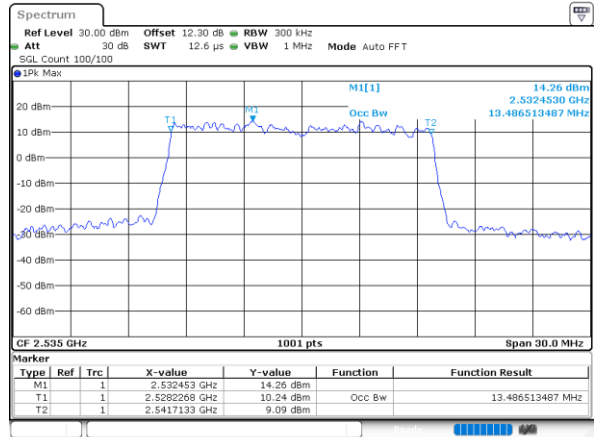
Date: 19\_SEP.2020 06:19:35

Middle Channel / 15MHz / QPSK



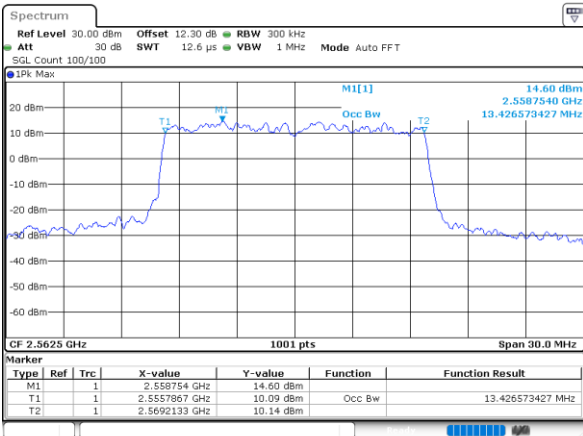
Date: 19\_SEP.2020 06:23:52

Middle Channel / 15MHz / 16QAM



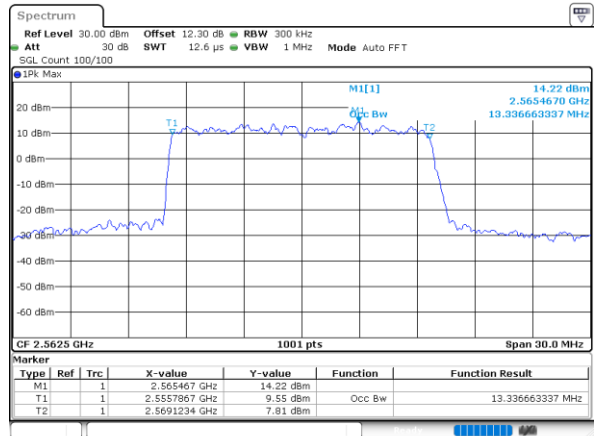
Date: 19\_SEP.2020 06:24:04

Highest Channel / 15MHz / QPSK



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

Highest Channel / 15MHz / 16QAM

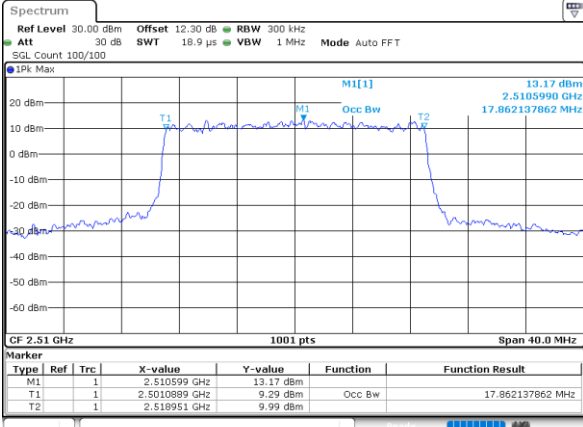


Date: 19\_SEP.2020 06:26:27



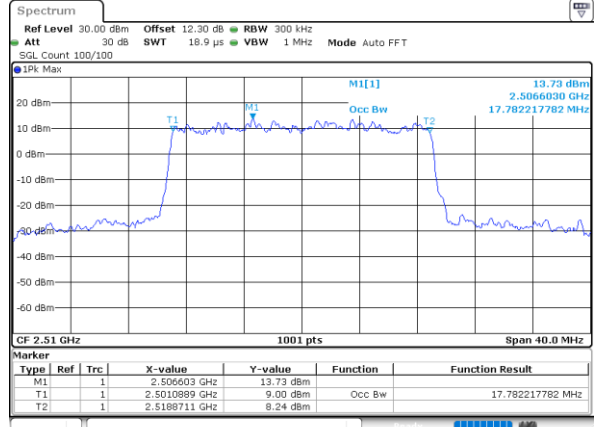
LTE Band 7

Lowest Channel / 20MHz / QPSK



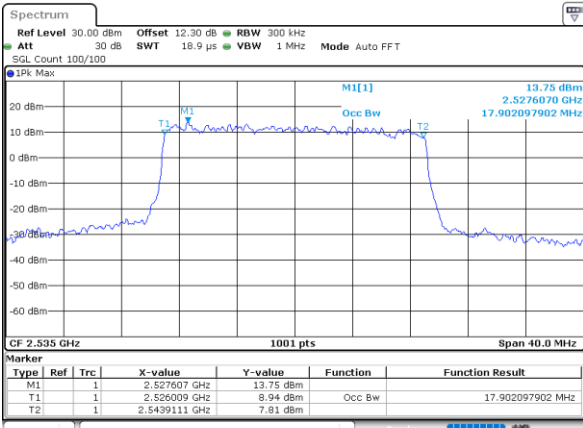
Date: 19\_SEP.2020 06:30:43

Lowest Channel / 20MHz / 16QAM



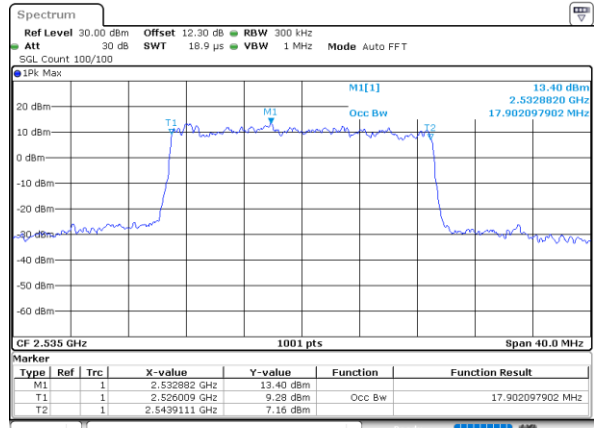
Date: 19\_SEP.2020 06:30:55

Middle Channel / 20MHz / QPSK



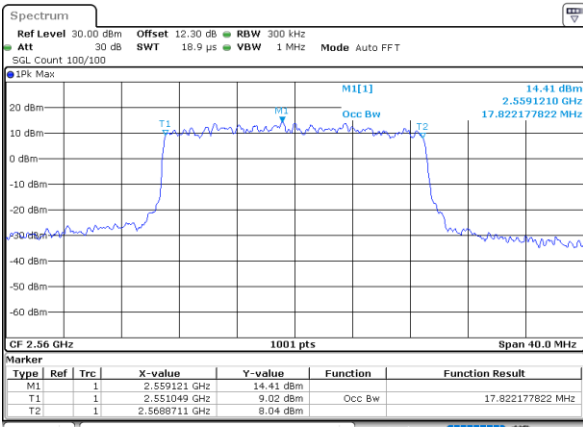
Date: 19\_SEP.2020 06:35:12

Middle Channel / 20MHz / 16QAM



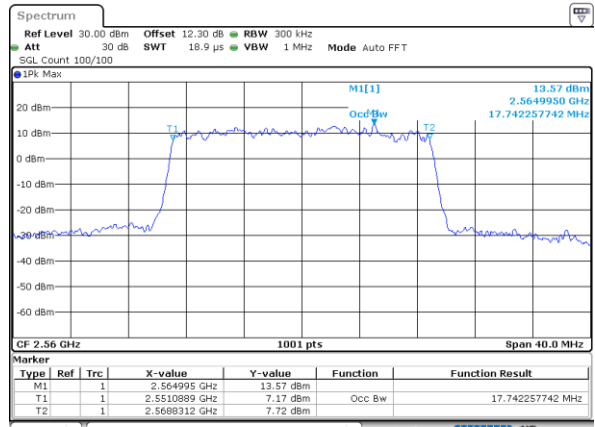
Date: 19\_SEP.2020 06:35:23

Highest Channel / 20MHz / QPSK



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

Highest Channel / 20MHz / 16QAM



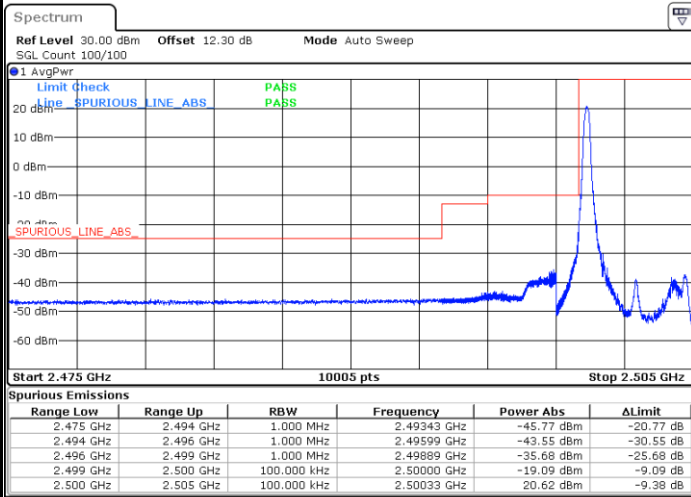
Date: 19\_SEP.2020 06:37:47



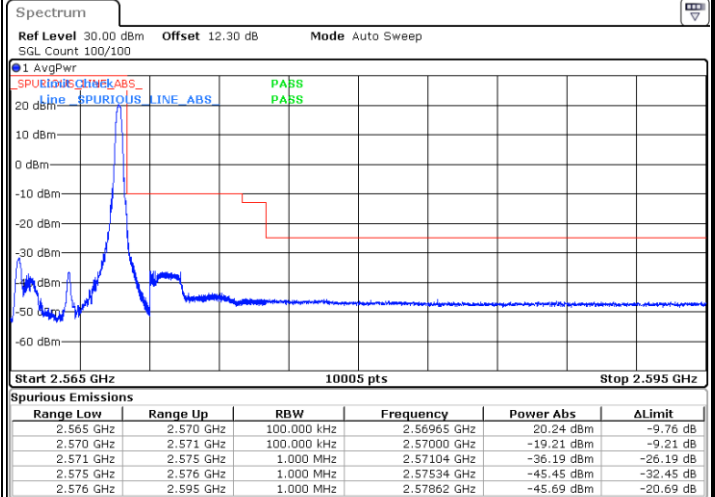
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

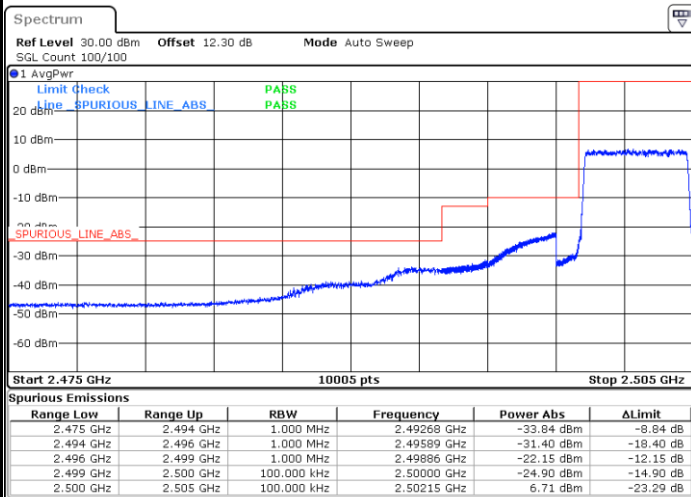
### Lowest Band Edge / 1 RB



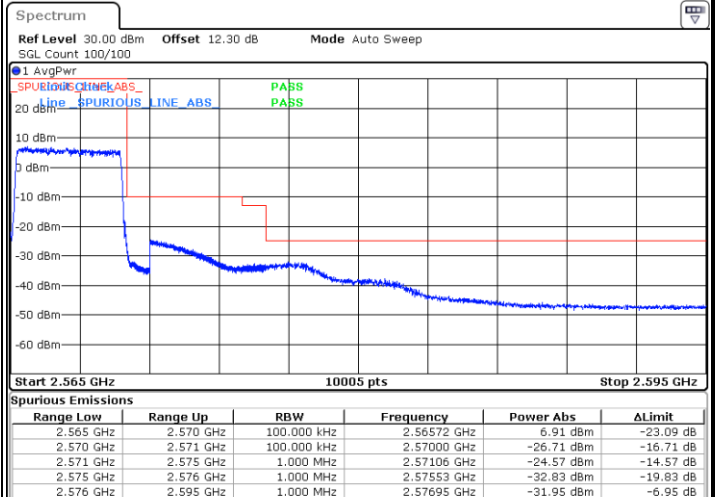
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB

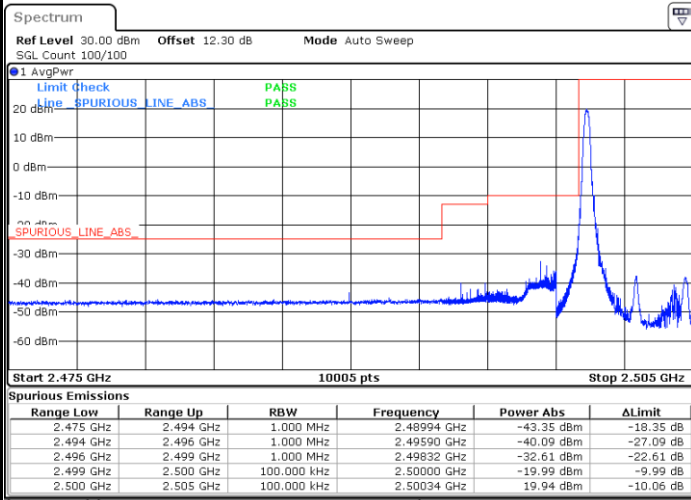




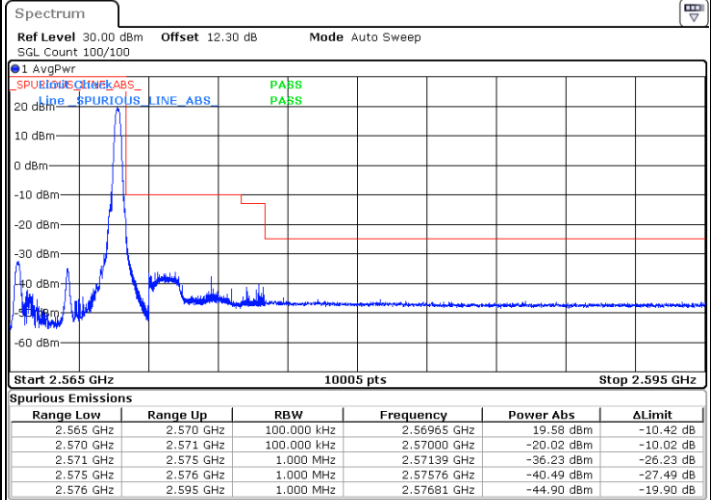
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



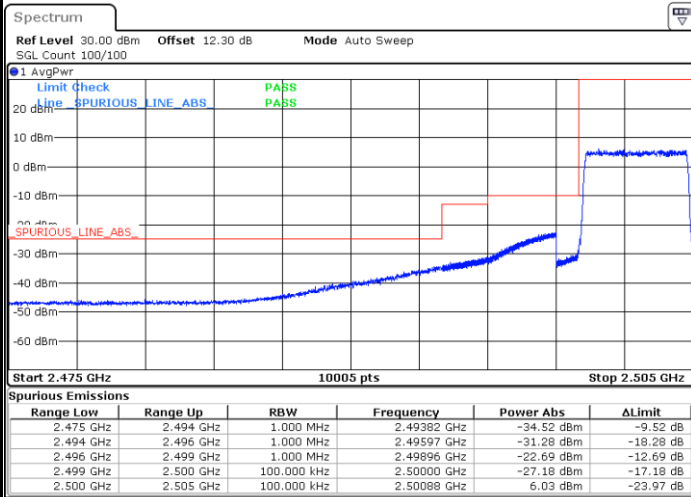
Date: 19\_SEP.2020 05:58:22



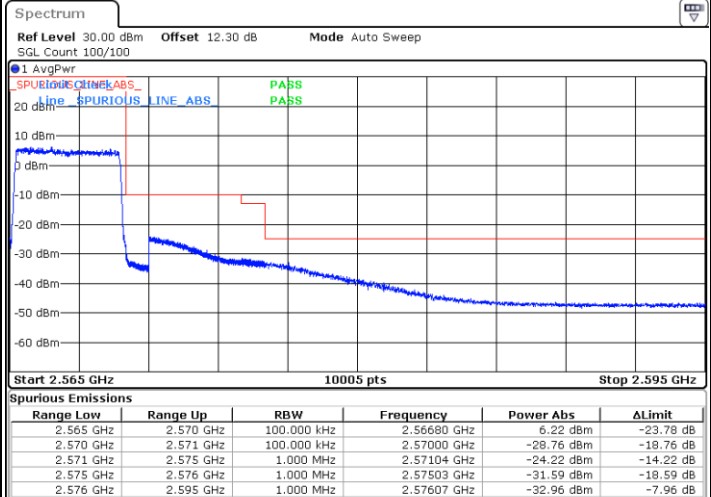
Date: 19\_SEP.2020 06:05:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19\_SEP.2020 05:59:24



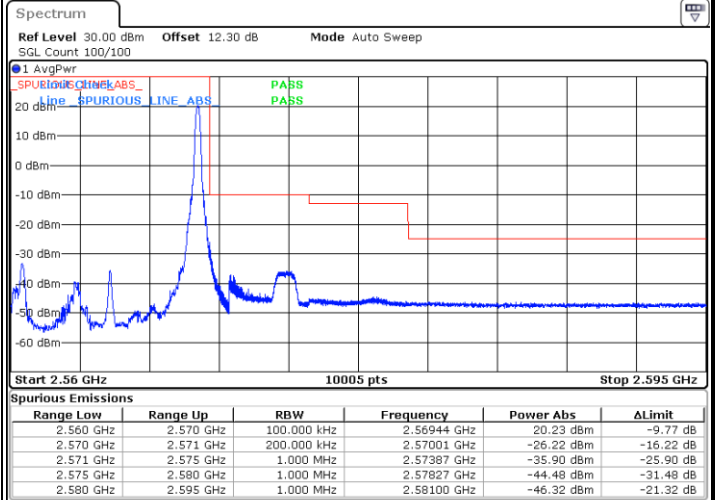
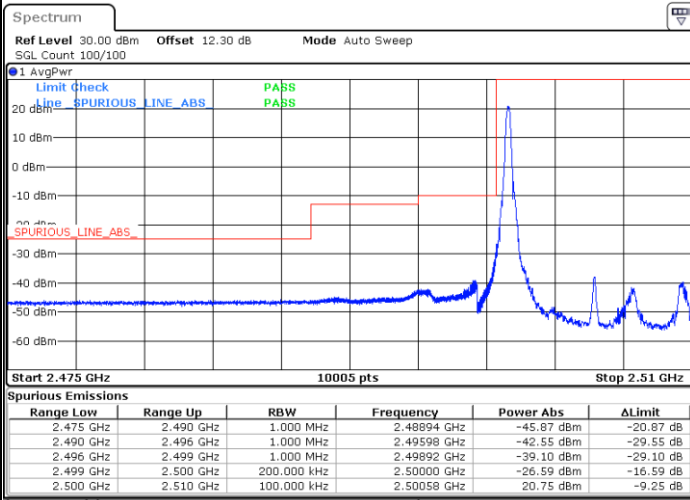
Date: 19\_SEP.2020 06:06:14



LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

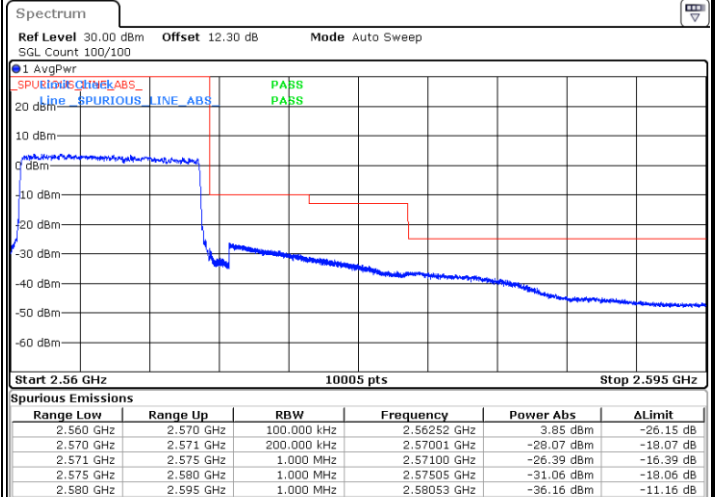
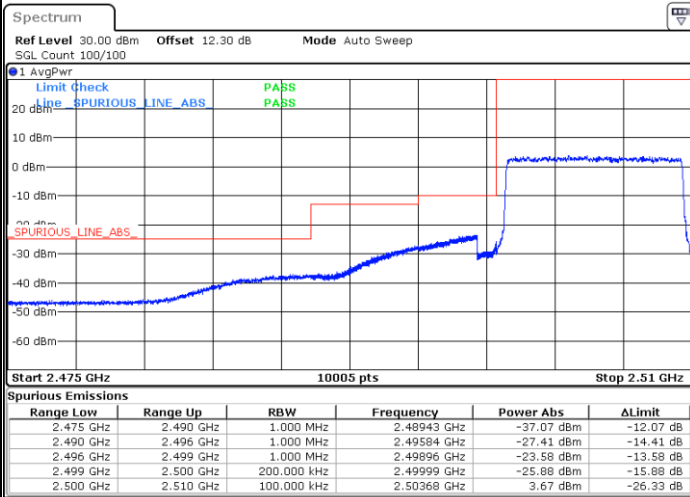


Date: 19\_SEP.2020 06:09:11

Date: 19\_SEP.2020 06:16:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



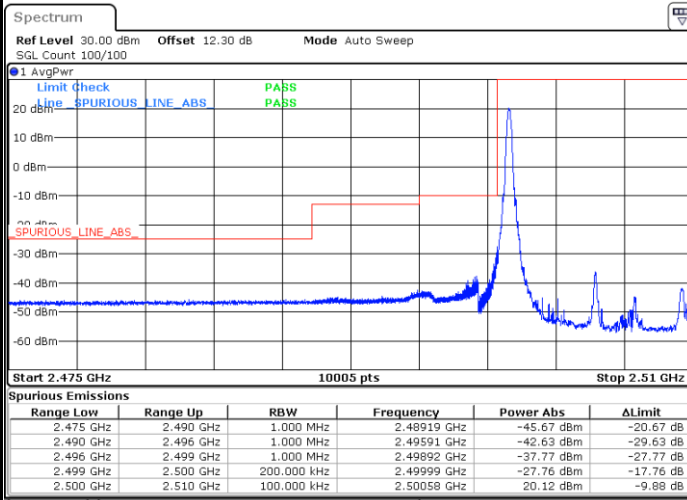
Date: 19\_SEP.2020 06:10:12

Date: 19\_SEP.2020 06:17:02



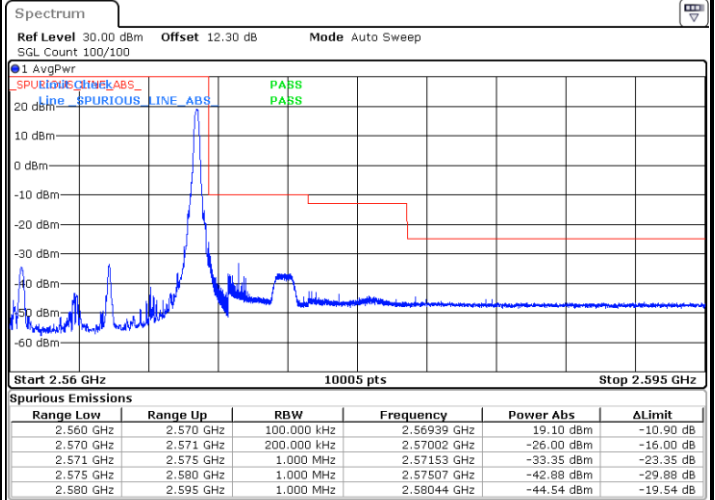
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



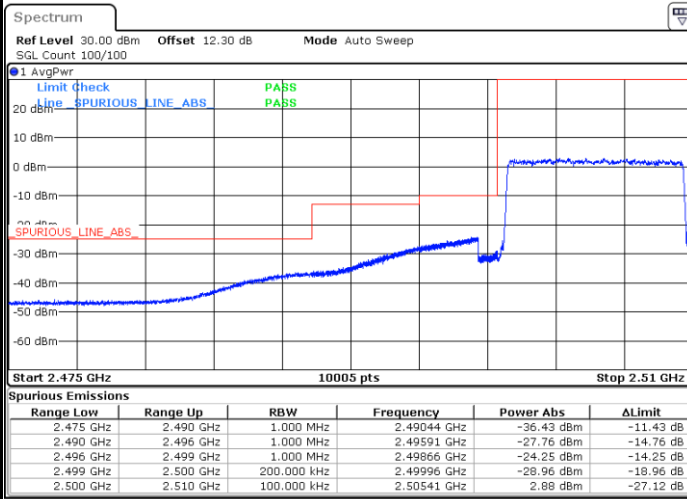
Date: 19\_SEP.2020 06:09:41

Highest Band Edge / 1 RB



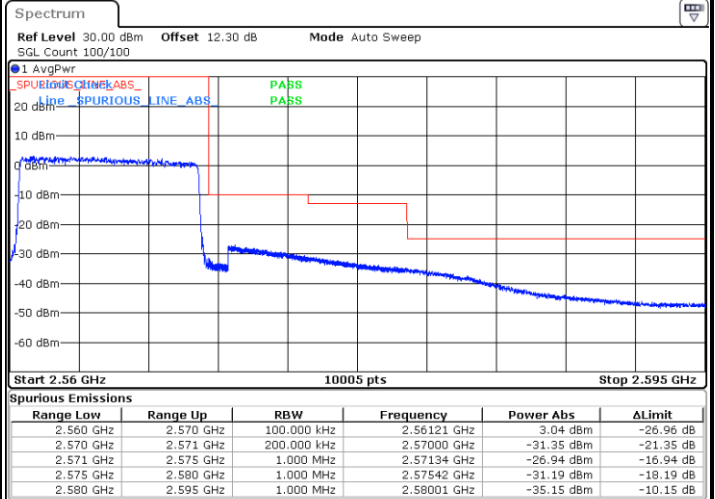
Date: 19\_SEP.2020 06:16:32

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB



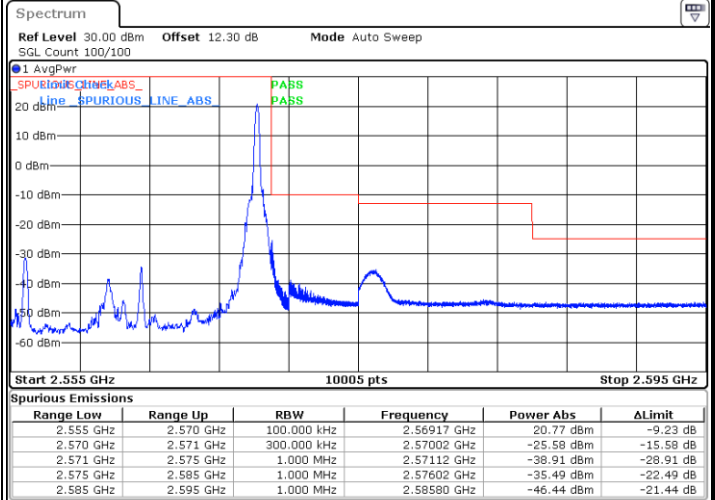
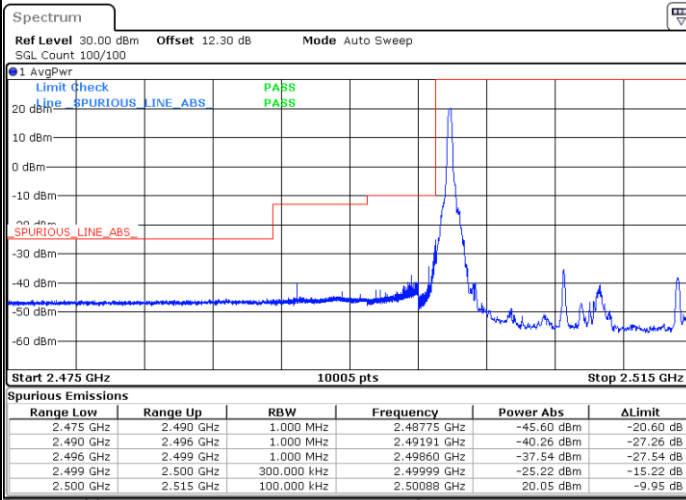
Date: 19\_SEP.2020 06:17:32



LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

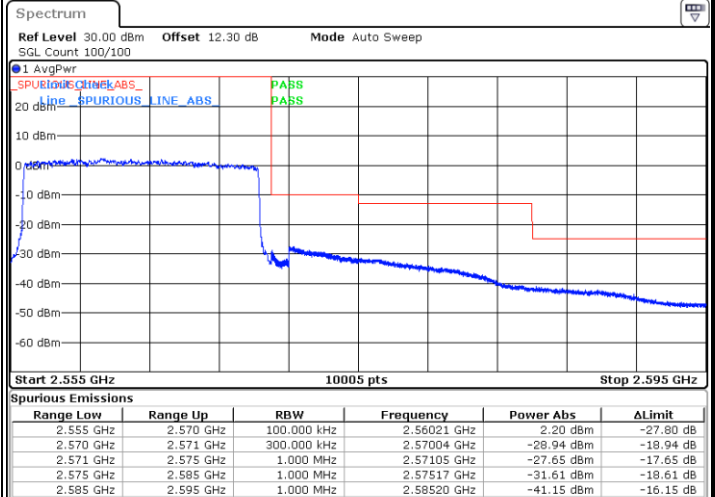
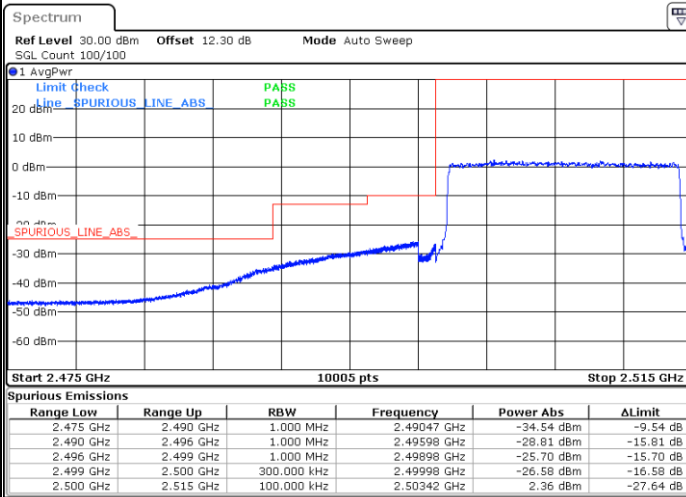


Date: 19\_SEP.2020 06:20:30

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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



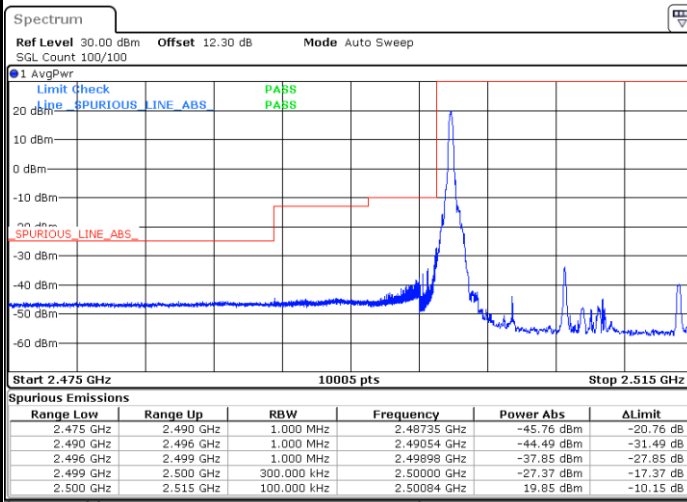
Date: 19\_SEP.2020 06:21:31

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



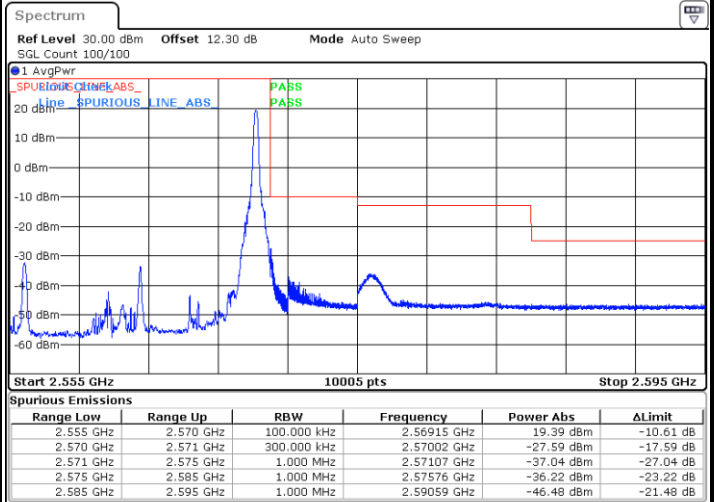
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



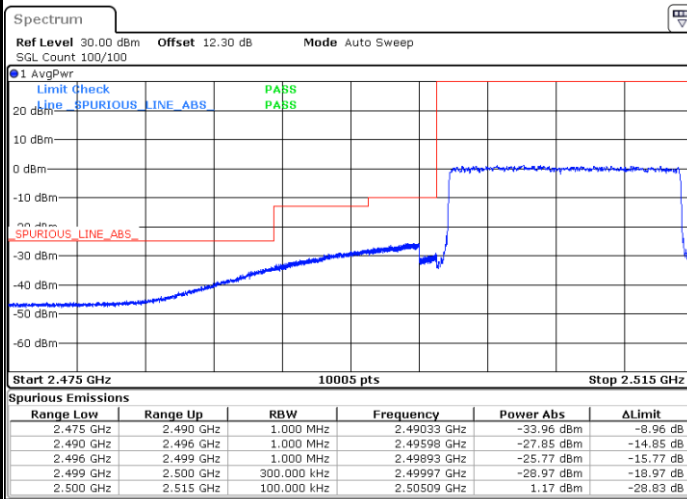
Date: 19\_SEP.2020 06:21:00

Highest Band Edge / 1 RB



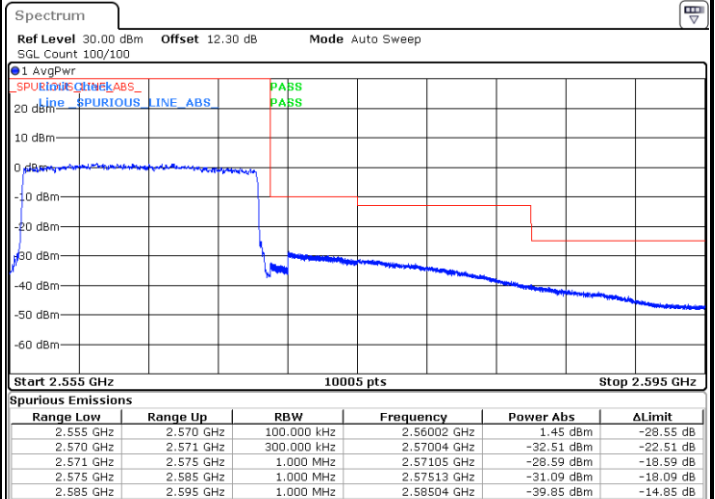
Date: 19\_SEP.2020 06:27:51

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB



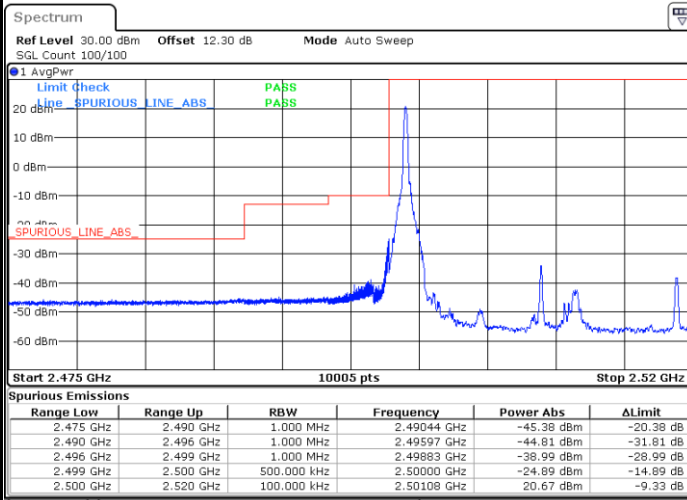
Date: 19\_SEP.2020 06:28:52





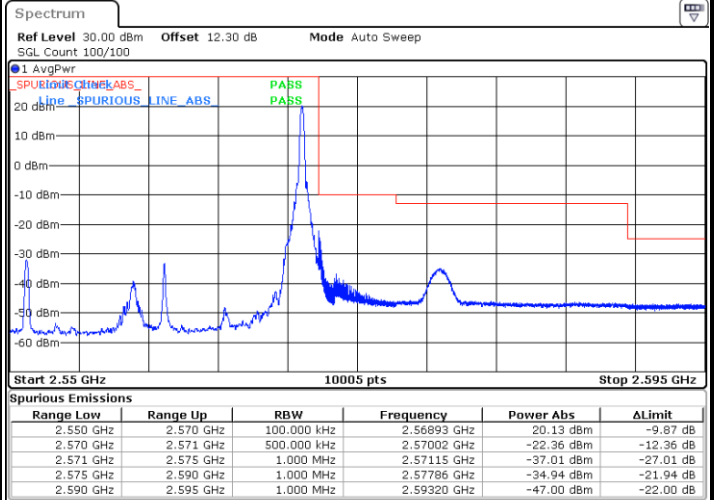
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



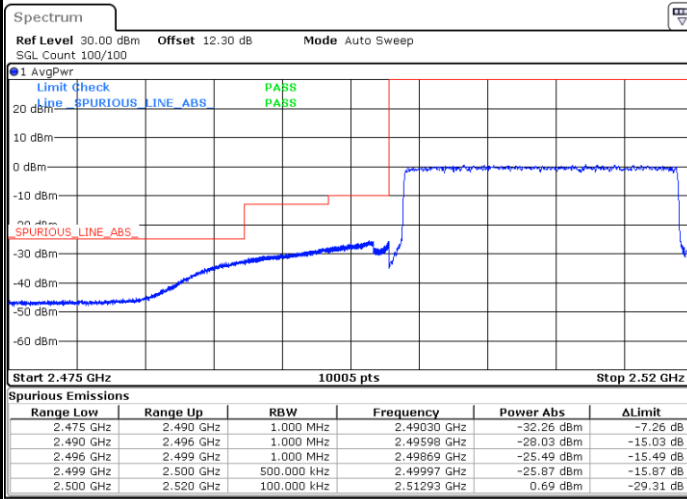
Date: 19\_SEP.2020 06:31:49

Highest Band Edge / 1 RB



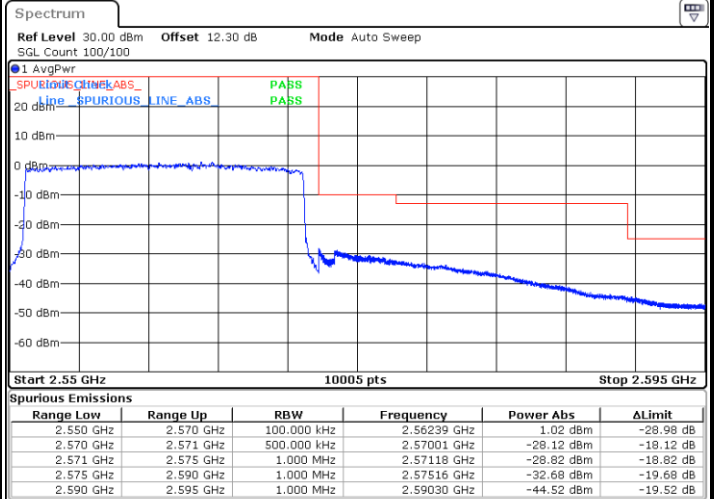
Date: 19\_SEP.2020 06:38:41

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

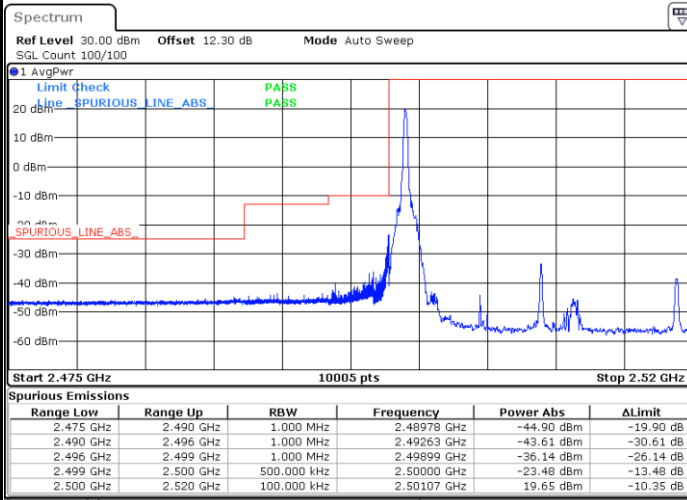


Date: 19\_SEP.2020 06:40:12



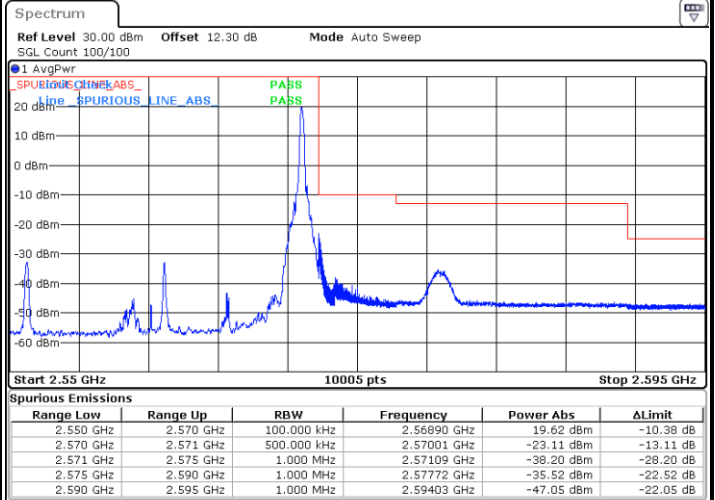
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



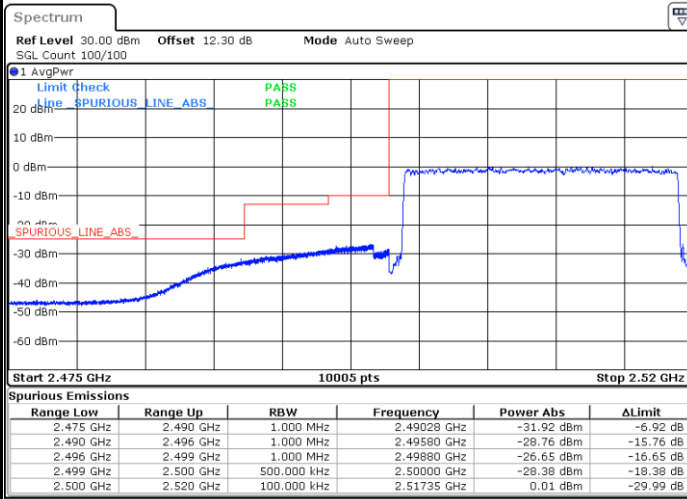
Date: 19\_SEP.2020 06:32:20

Highest Band Edge / 1RB



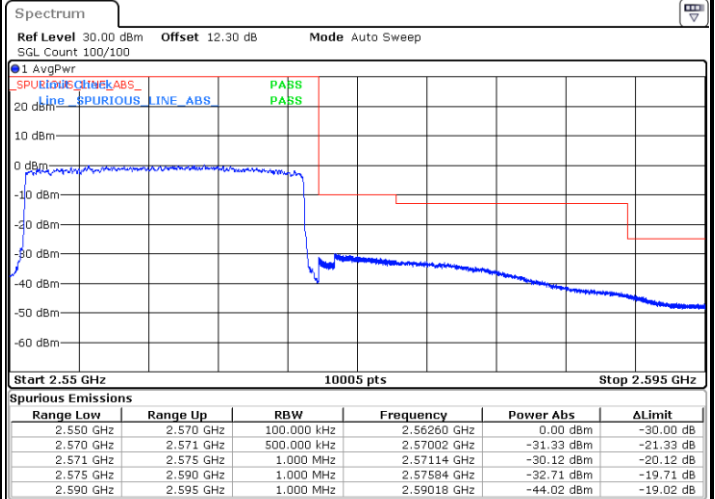
Date: 19\_SEP.2020 06:39:11

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

