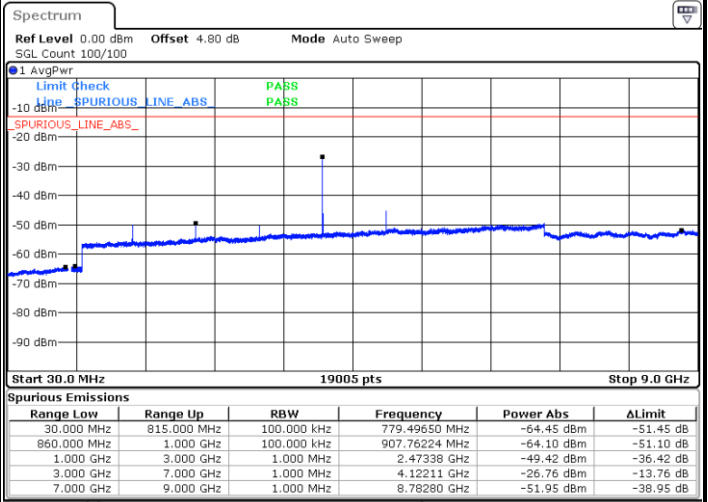
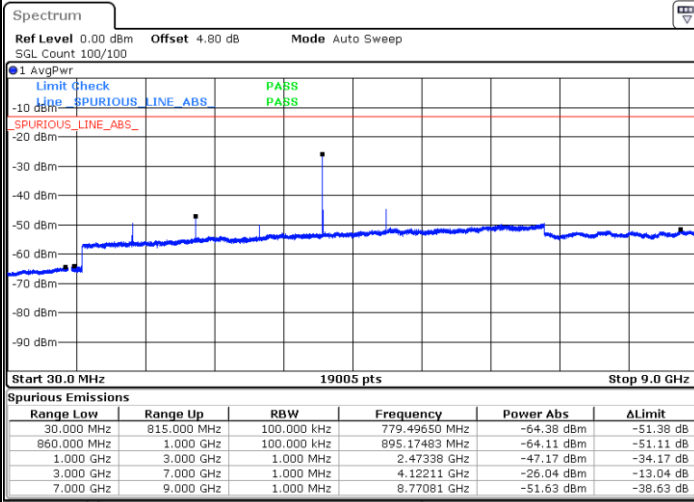




LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

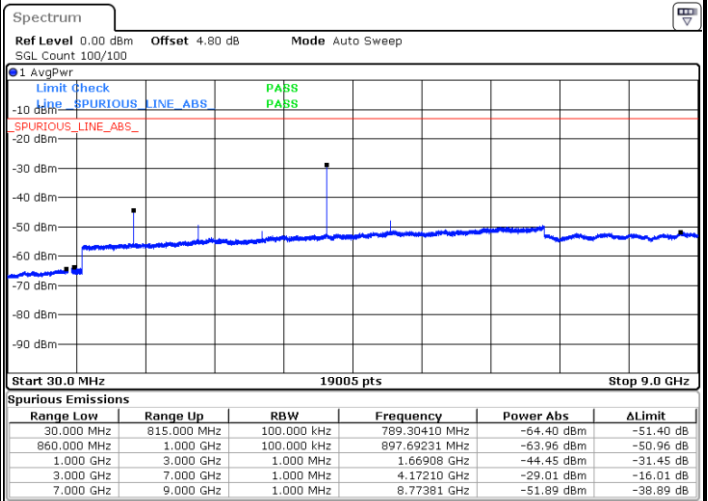
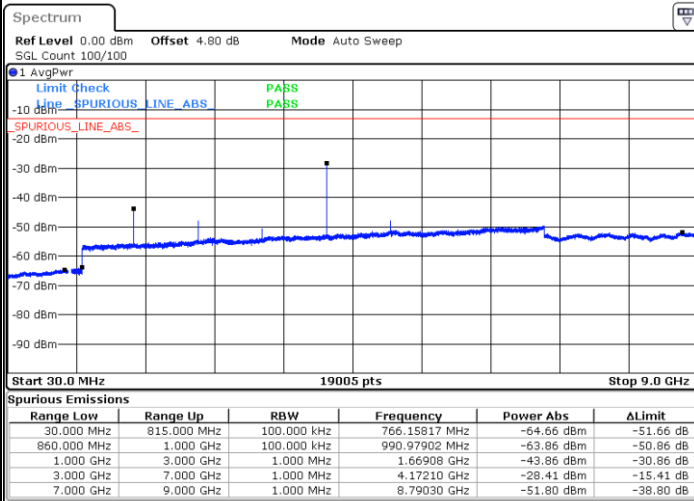


Date: 1.MAY.2020 16:42:00

Date: 1.MAY.2020 16:42:55

Middle Channel / QPSK

Middle Channel / 16QAM



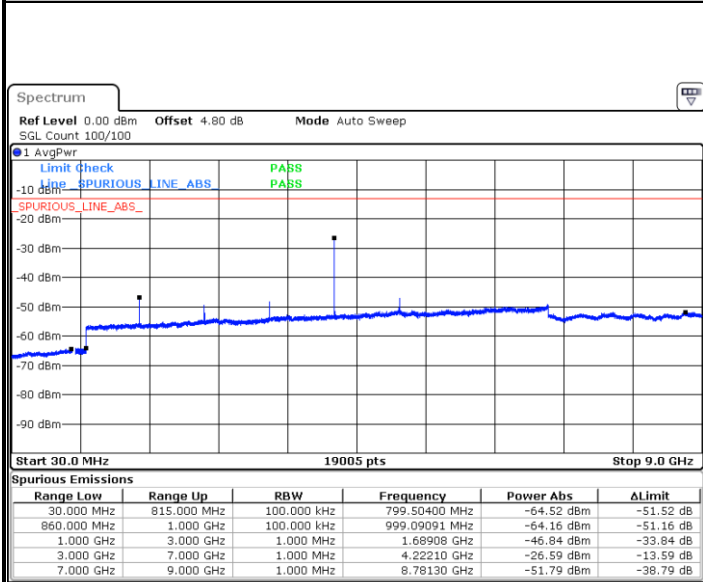
Date: 1.MAY.2020 16:44:30

Date: 1.MAY.2020 16:45:24



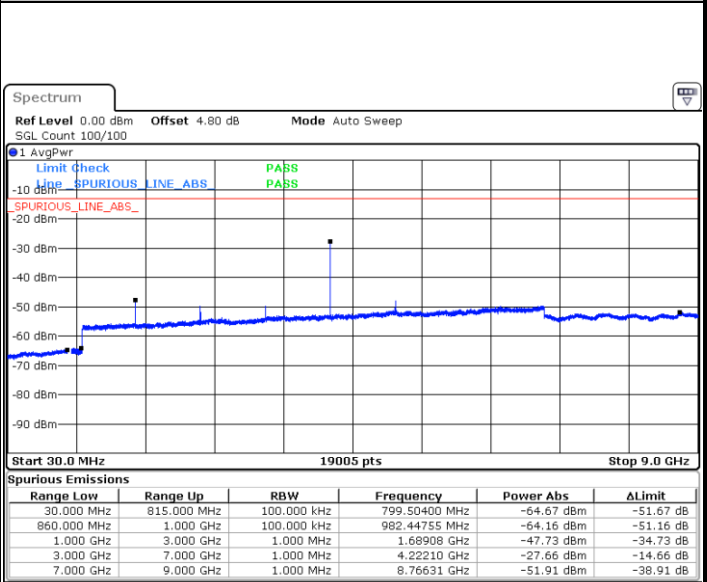
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 1.MAY.2020 16:53:29

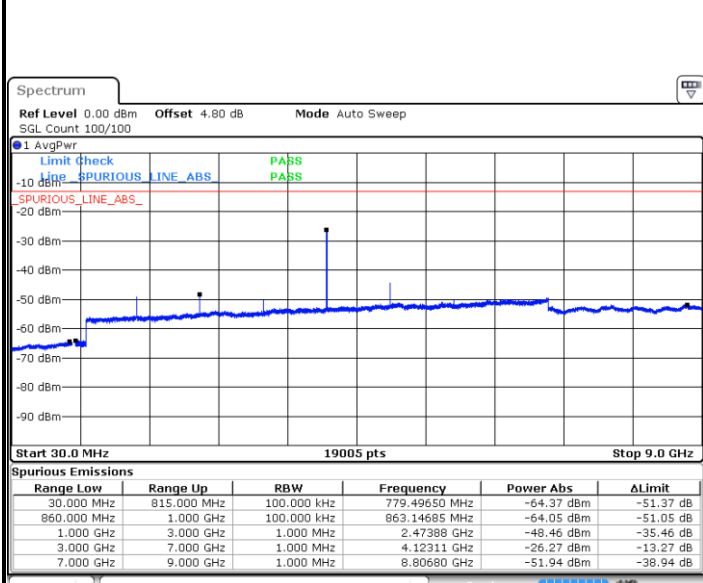
Highest Channel / 16QAM



Date: 1.MAY.2020 16:54:24

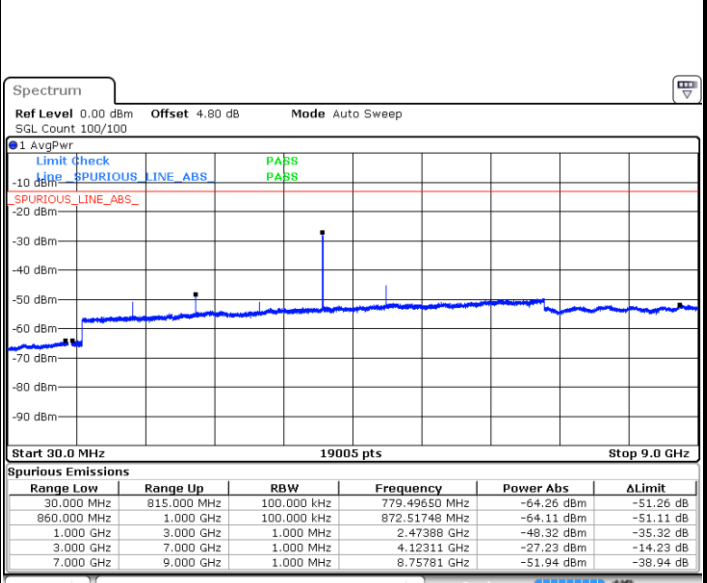
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 1.MAY.2020 17:02:29

Lowest Channel / 16QAM

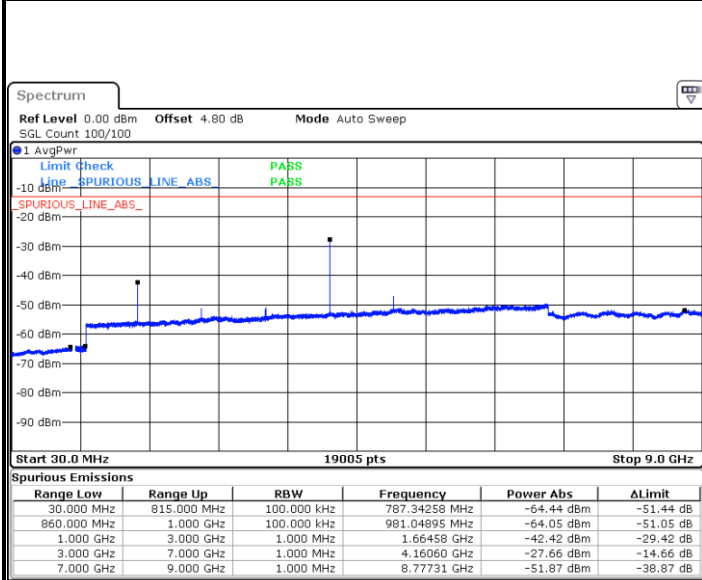


Date: 1.MAY.2020 17:03:23



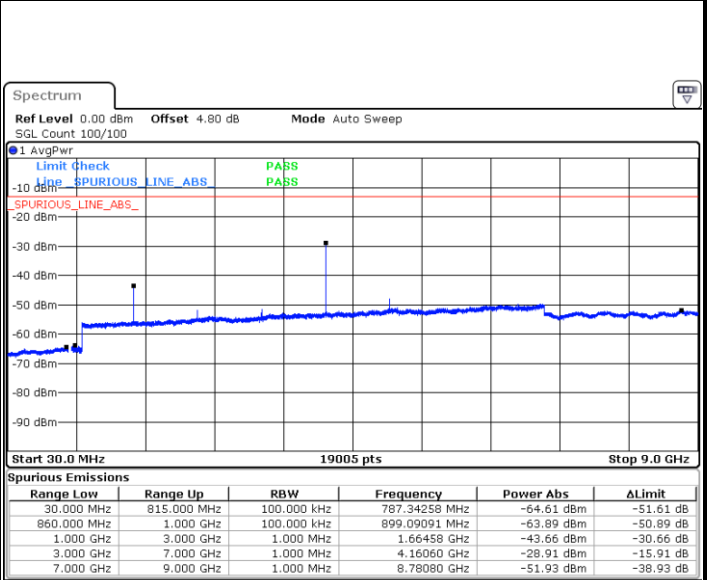
LTE Band 5 / 10MHz

Middle Channel / QPSK



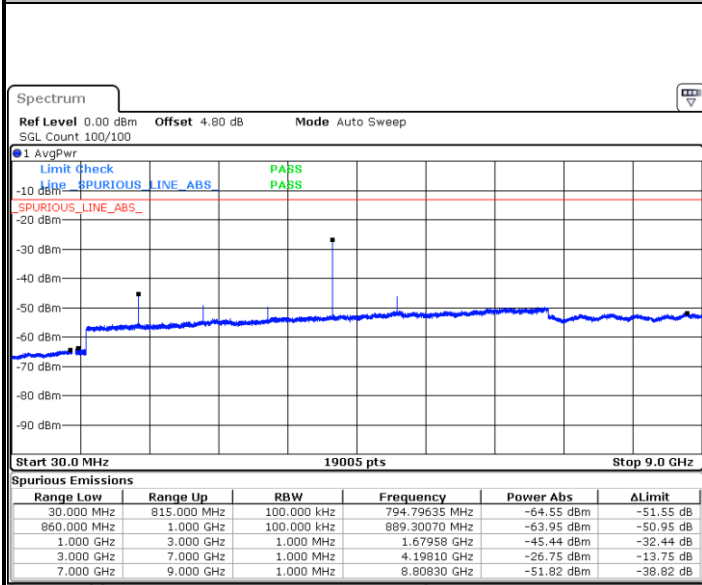
Date: 1.MAY.2020 17:04:58

Middle Channel / 16QAM



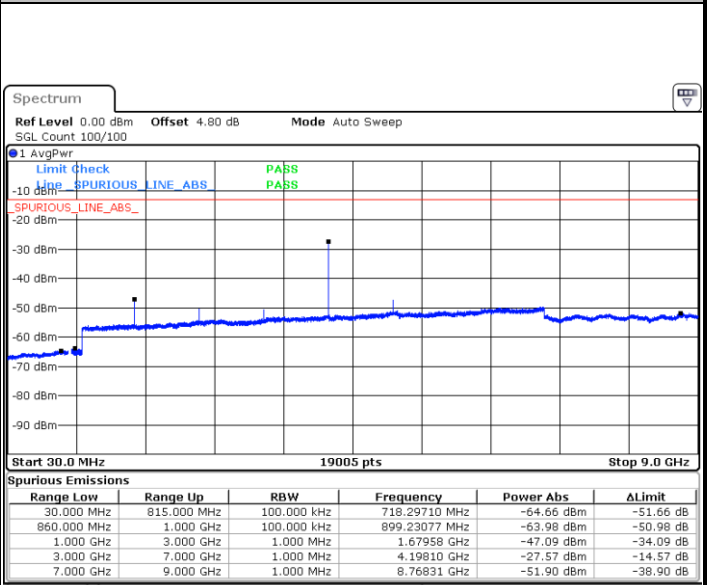
Date: 1.MAY.2020 17:05:53

Highest Channel / QPSK



Date: 1.MAY.2020 17:13:58

Highest Channel / 16QAM



Date: 1.MAY.2020 17:14:52



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	0.0029	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0074	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0078	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0061	
20	Battery End Point	0.0010	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.



LTE Band 7

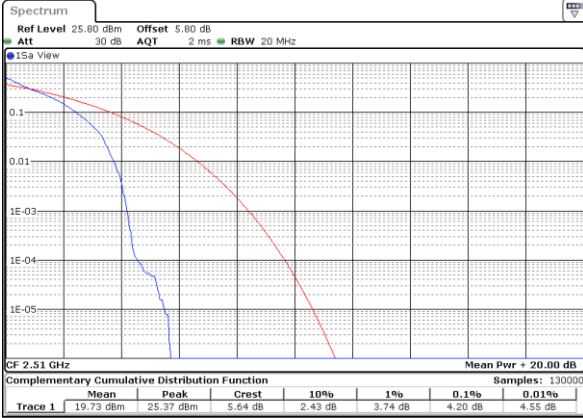
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.2	4.7	5.16	5.71	PASS
Middle CH	4.9	5.01	5.57	6.03	
Highest CH	4.49	4.72	5.13	5.86	



LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



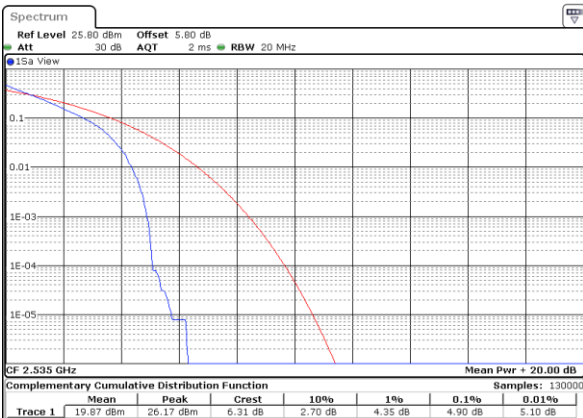
Date: 1 MAY 2020 15:45:45

Lowest Channel / Full RB



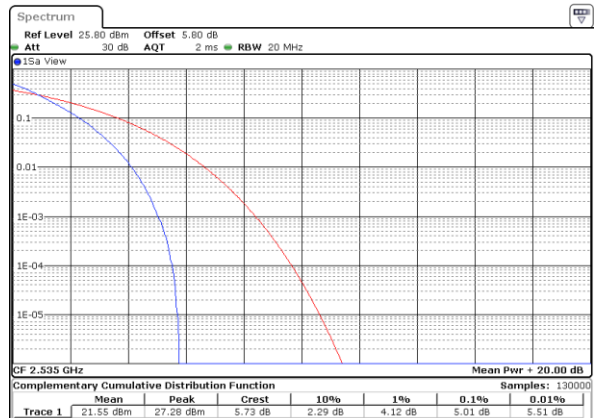
Date: 1 MAY 2020 15:45:54

Middle Channel / 1RB



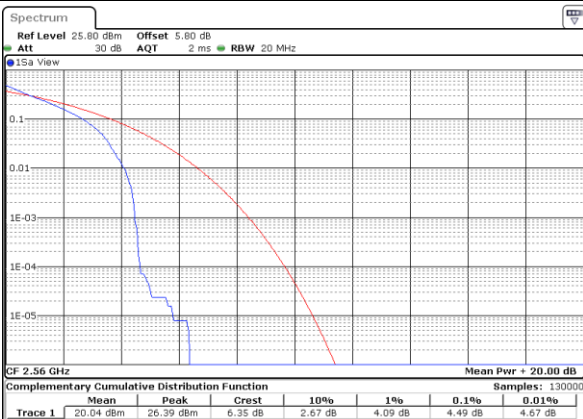
Date: 1 MAY 2020 15:46:32

Middle Channel / Full RB



Date: 1 MAY 2020 15:46:21

Highest Channel / 1RB



Date: 1 MAY 2020 15:47:02

Highest Channel / Full RB

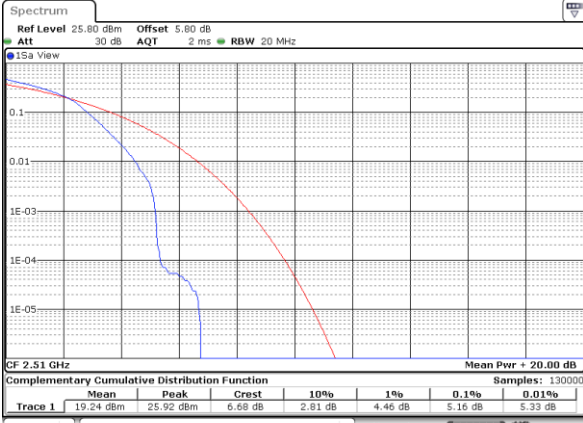


Date: 1 MAY 2020 15:47:11



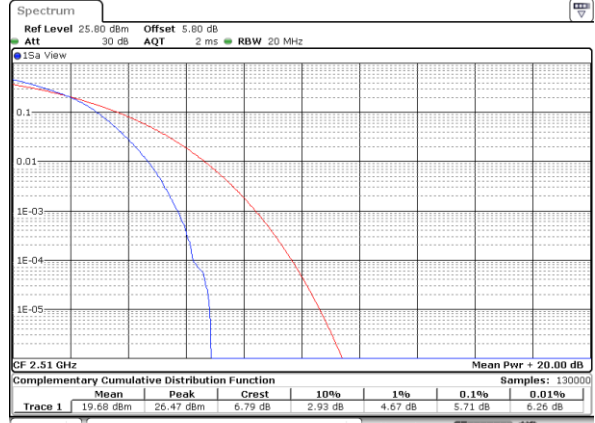
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



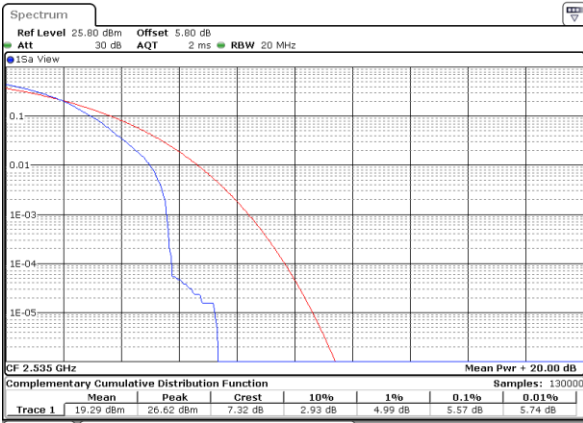
Date: 1 MAY 2020 15:45:36

Lowest Channel / Full RB



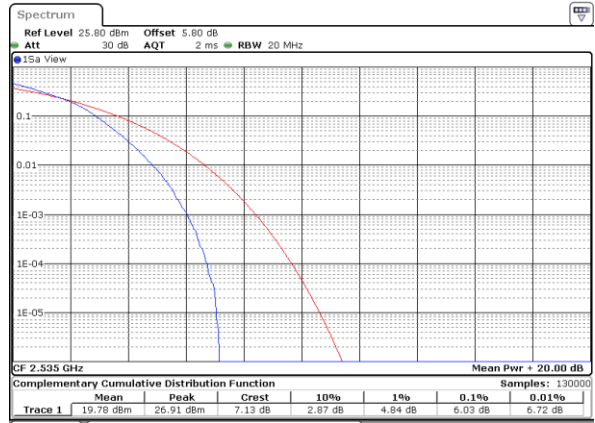
Date: 1 MAY 2020 15:46:03

Middle Channel / 1RB



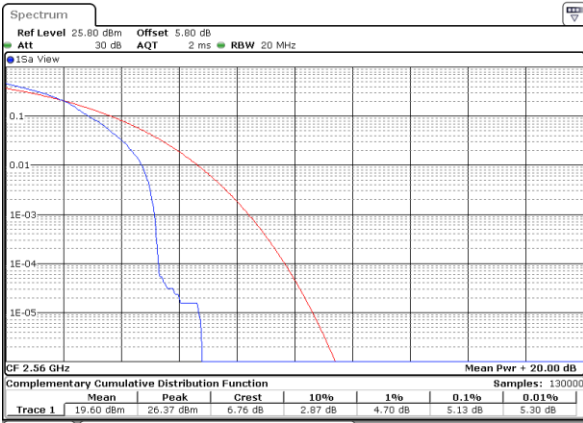
Date: 1 MAY 2020 15:46:44

Middle Channel / Full RB



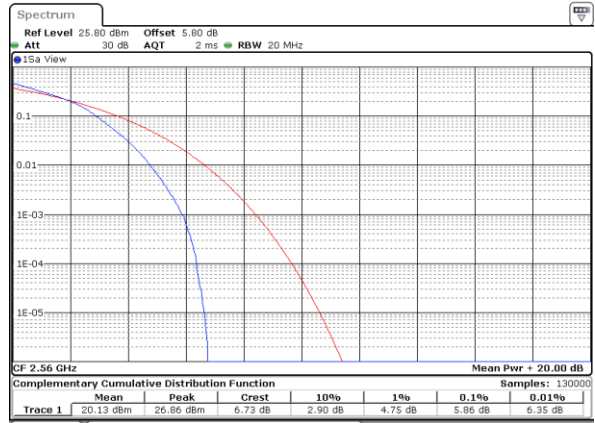
Date: 1 MAY 2020 15:46:11

Highest Channel / 1RB



Date: 1 MAY 2020 15:46:53

Highest Channel / Full RB



Date: 1 MAY 2020 15:47:21



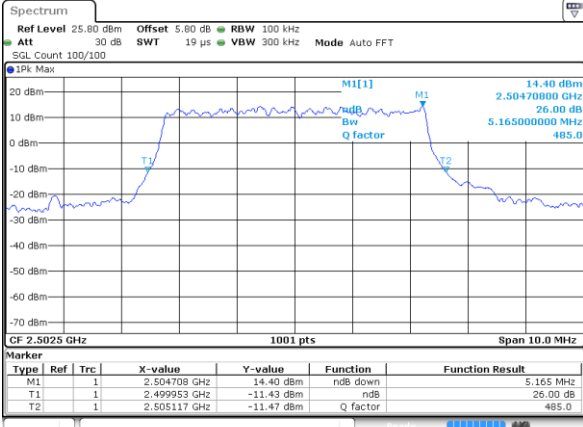
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.165	4.915	9.93	9.99	14.416	14.715	20.18	20.38
Middle CH	-	-	-	-	5.275	4.955	9.75	9.91	14.715	14.715	20.18	20.22
Highest CH	-	-	-	-	5.115	5.285	9.95	9.79	14.775	14.446	20.579	20.14



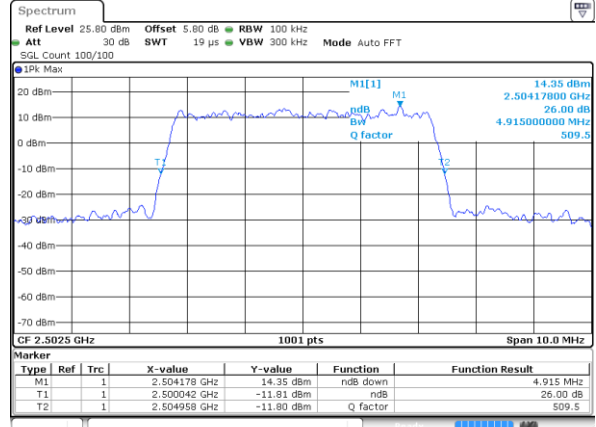
LTE Band 7

Lowest Channel / 5MHz / QPSK



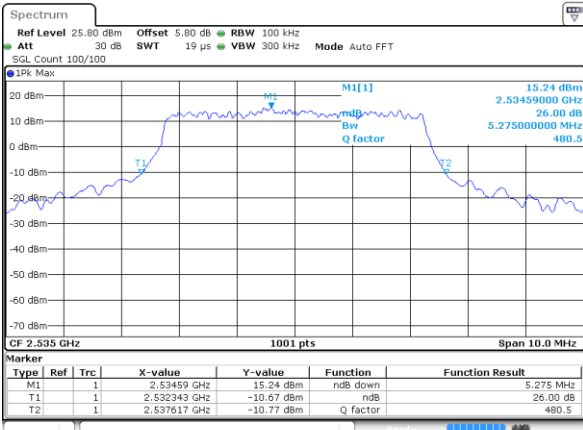
Date: 1 MAY 2020 14:28:35

Lowest Channel / 5MHz / 16QAM



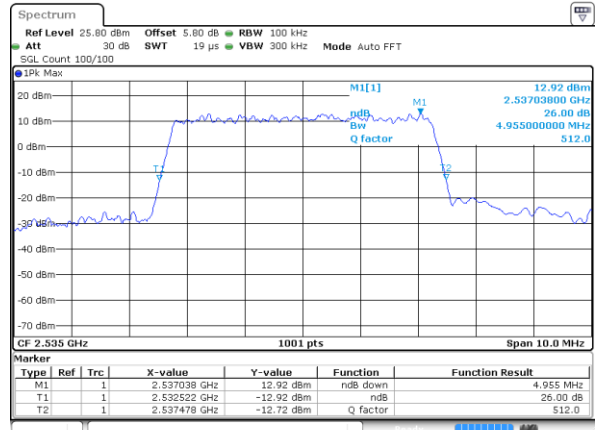
Date: 1 MAY 2020 14:28:55

Middle Channel / 5MHz / QPSK



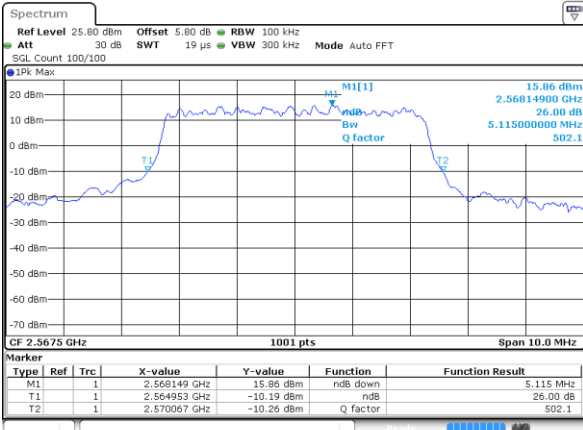
Date: 1 MAY 2020 15:50:50

Middle Channel / 5MHz / 16QAM



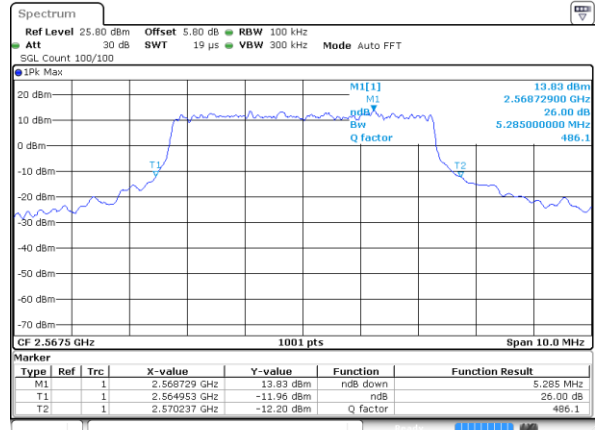
Date: 1 MAY 2020 14:29:15

Highest Channel / 5MHz / QPSK



Date: 1 MAY 2020 14:29:55

Highest Channel / 5MHz / 16QAM

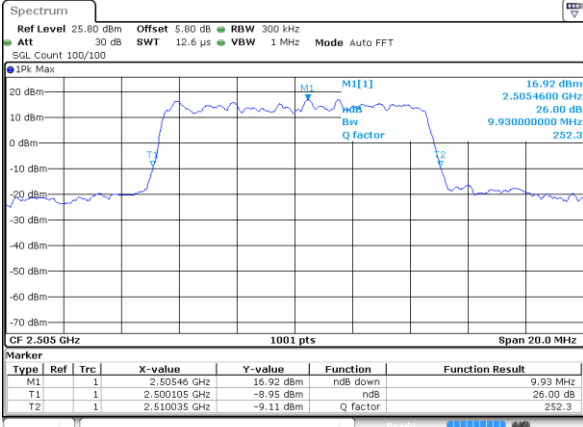


Date: 1 MAY 2020 14:30:15



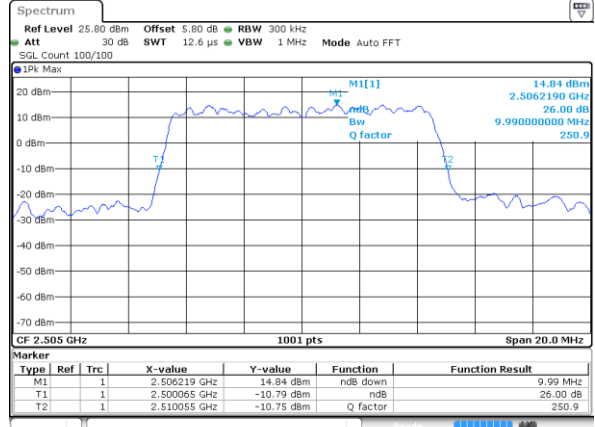
LTE Band 7

Lowest Channel / 10MHz / QPSK



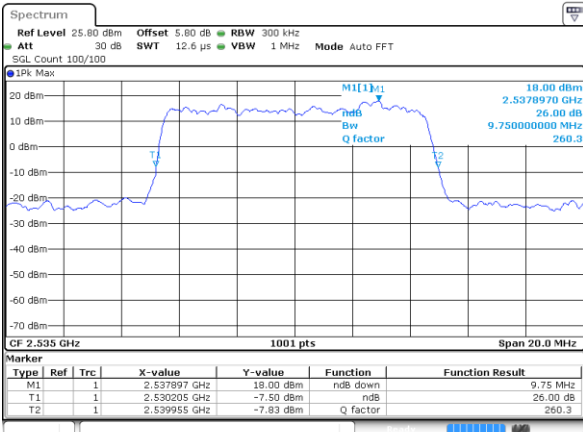
Date: 1 MAY 2020 14:45:06

Lowest Channel / 10MHz / 16QAM



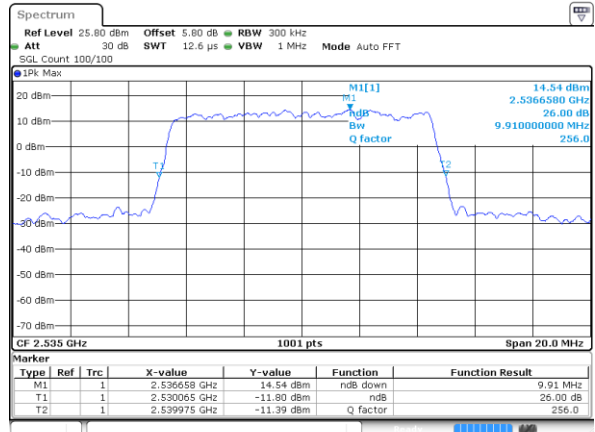
Date: 1 MAY 2020 14:45:27

Middle Channel / 10MHz / QPSK



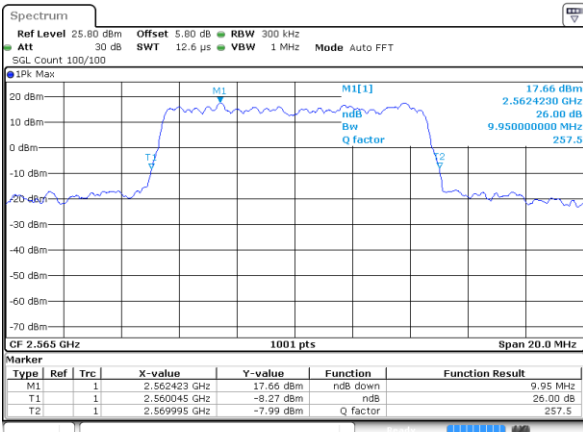
Date: 1 MAY 2020 14:46:07

Middle Channel / 10MHz / 16QAM



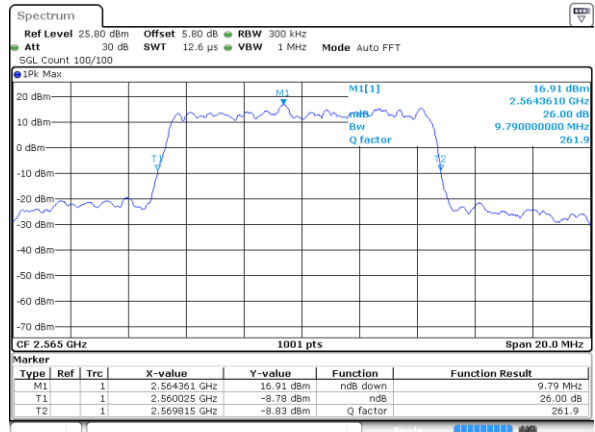
Date: 1 MAY 2020 14:45:47

Highest Channel / 10MHz / QPSK



Date: 1 MAY 2020 14:46:27

Highest Channel / 10MHz / 16QAM

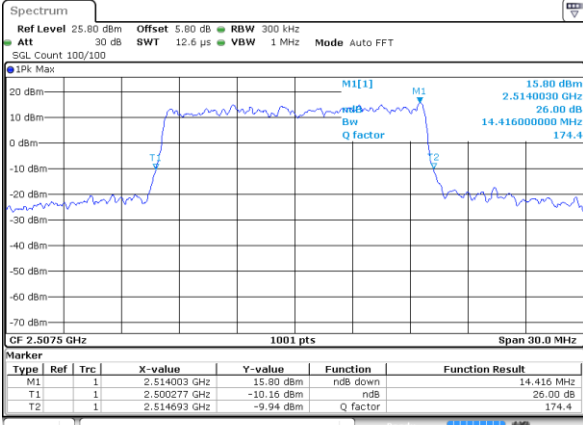


Date: 1 MAY 2020 14:46:47



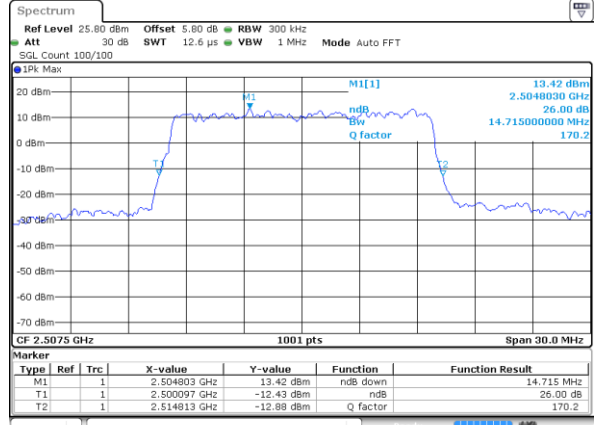
LTE Band 7

Lowest Channel / 15MHz / QPSK



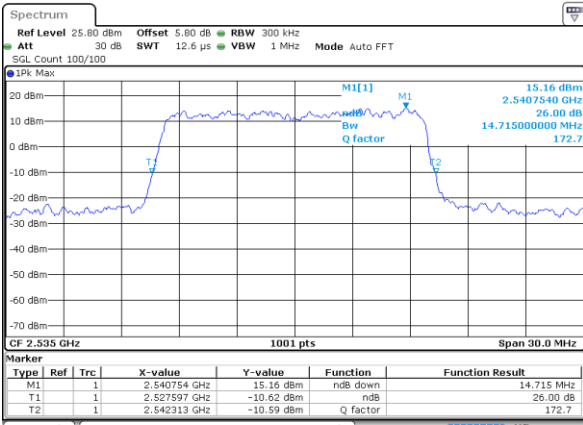
Date: 1 MAY 2020 15:01:56

Lowest Channel / 15MHz / 16QAM



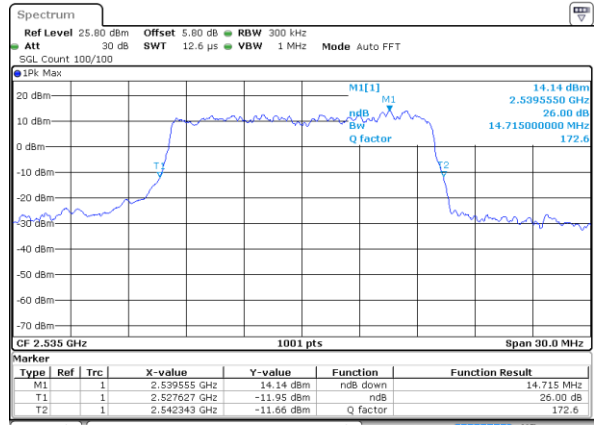
Date: 1 MAY 2020 15:01:36

Middle Channel / 15MHz / QPSK



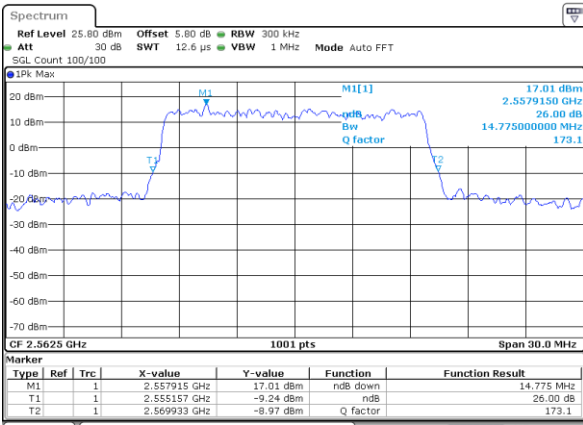
Date: 1 MAY 2020 15:02:17

Middle Channel / 15MHz / 16QAM



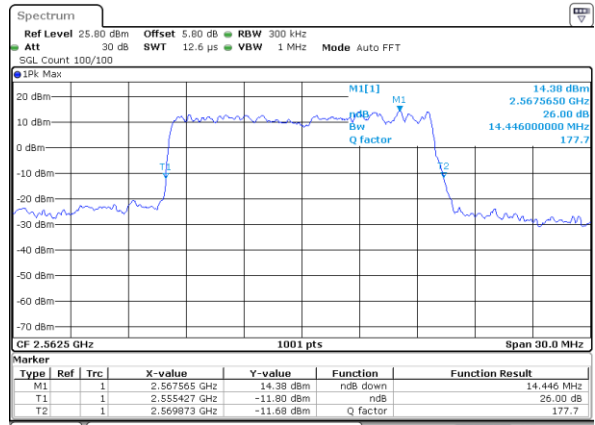
Date: 1 MAY 2020 15:02:37

Highest Channel / 15MHz / QPSK



Date: 1 MAY 2020 15:03:17

Highest Channel / 15MHz / 16QAM

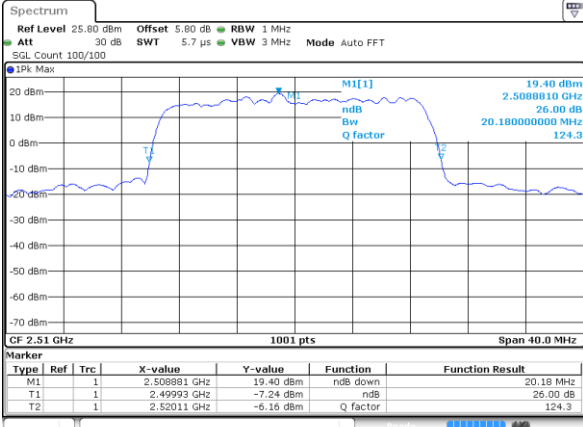


Date: 1 MAY 2020 15:02:57



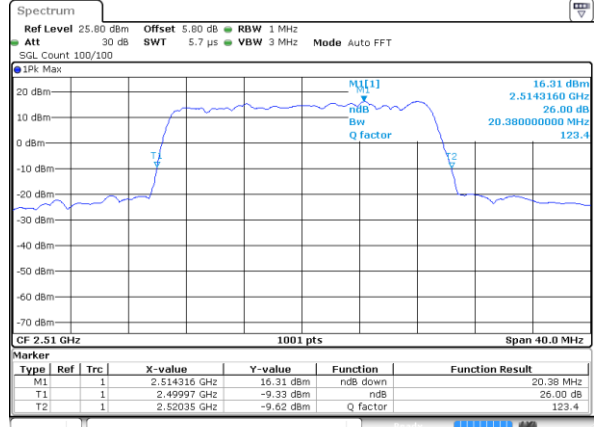
LTE Band 7

Lowest Channel / 20MHz / QPSK



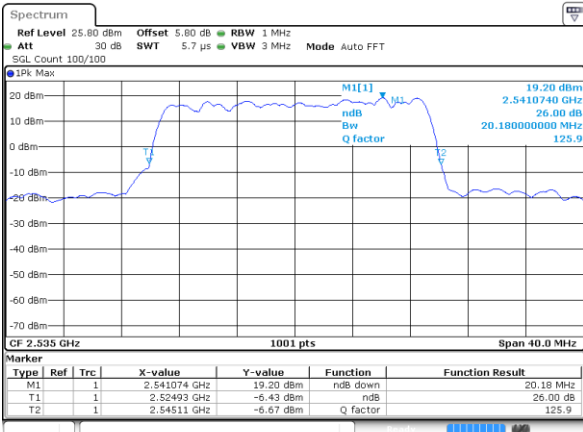
Date: 1 MAY 2020 15:18:28

Lowest Channel / 20MHz / 16QAM



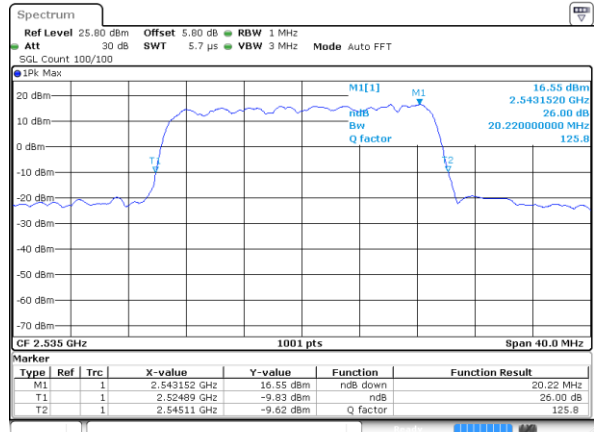
Date: 1 MAY 2020 15:18:08

Middle Channel / 20MHz / QPSK



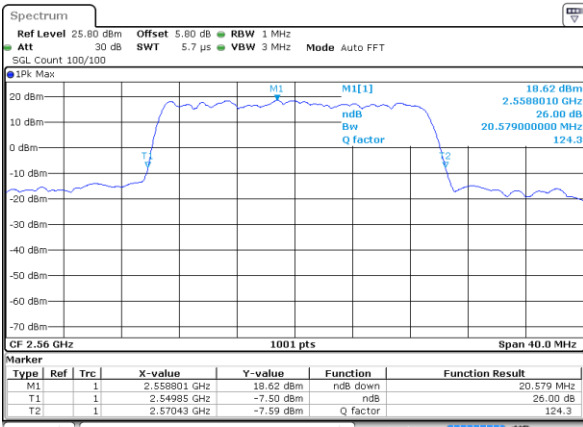
Date: 1 MAY 2020 15:18:48

Middle Channel / 20MHz / 16QAM



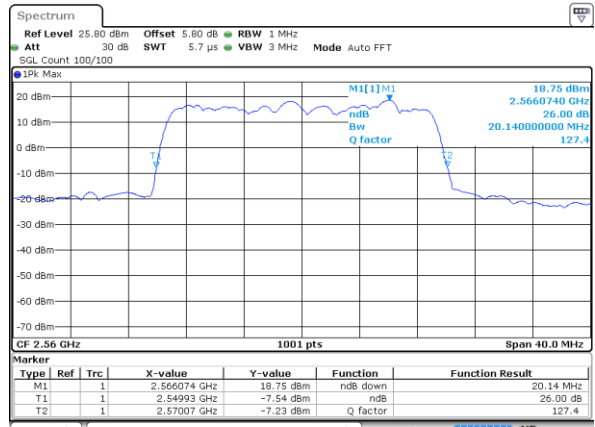
Date: 1 MAY 2020 15:50:23

Highest Channel / 20MHz / QPSK



Date: 1 MAY 2020 15:19:48

Highest Channel / 20MHz / 16QAM



Date: 1 MAY 2020 15:19:28



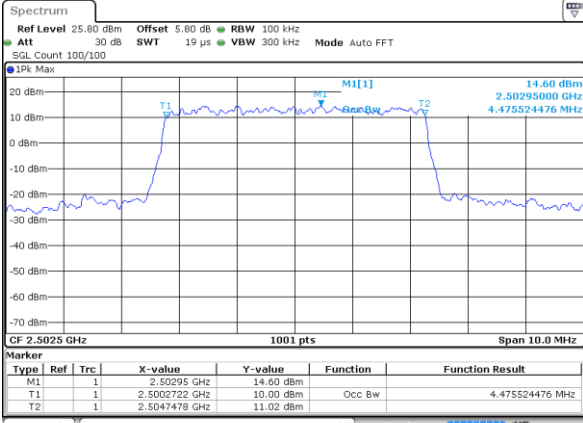
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.47	9.11	9.05	13.55	13.46	18.38	18.38
Middle CH	-	-	-	-	4.48	4.47	9.05	9.03	13.4	13.49	18.26	18.5
Highest CH	-	-	-	-	4.49	4.48	9.07	9.03	13.4	13.4	18.42	18.42



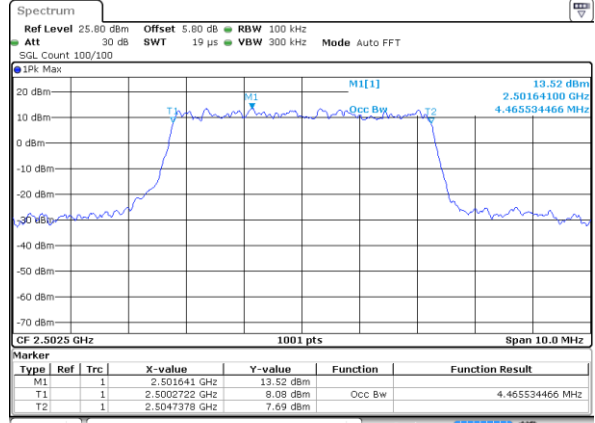
LTE Band 7

Lowest Channel / 5MHz / QPSK



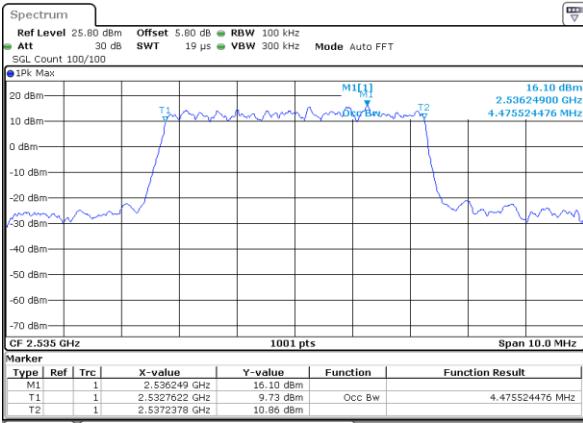
Date: 1 MAY 2020 14:28:25

Lowest Channel / 5MHz / 16QAM



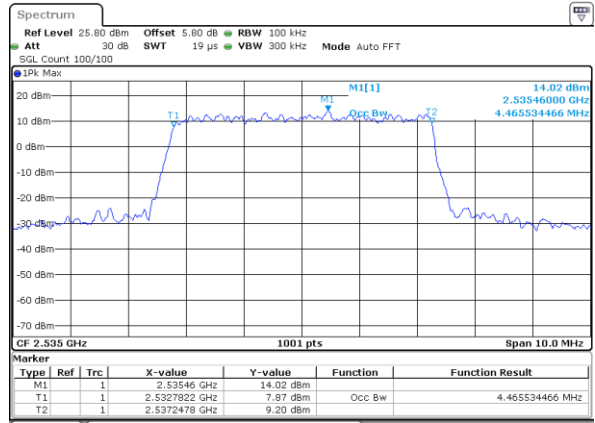
Date: 1 MAY 2020 14:28:45

Middle Channel / 5MHz / QPSK



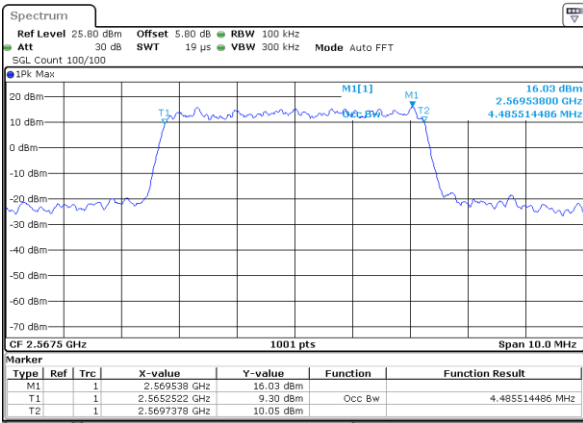
Date: 1 MAY 2020 14:29:25

Middle Channel / 5MHz / 16QAM



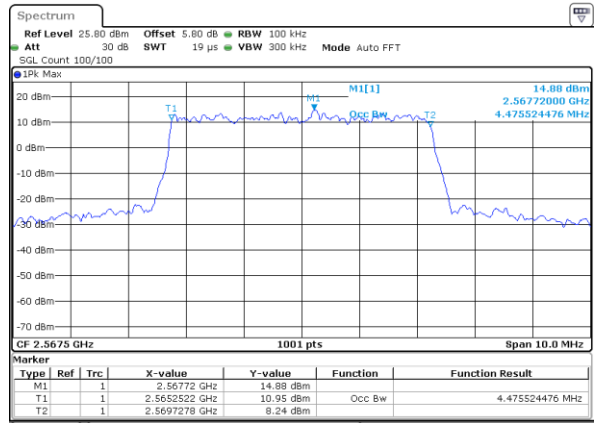
Date: 1 MAY 2020 14:29:05

Highest Channel / 5MHz / QPSK



Date: 1 MAY 2020 14:29:45

Highest Channel / 5MHz / 16QAM

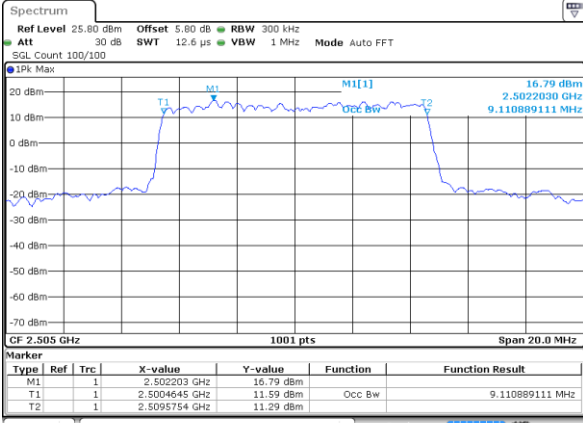


Date: 1 MAY 2020 14:30:05



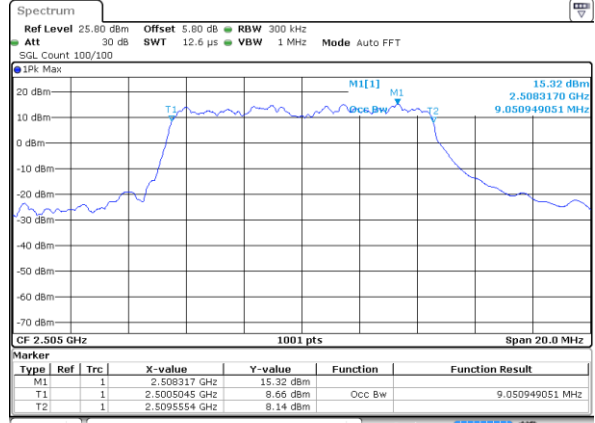
LTE Band 7

Lowest Channel / 10MHz / QPSK



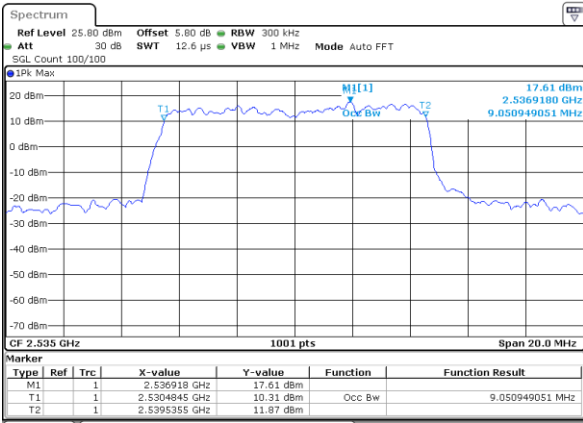
Date: 1 MAY 2020 14:44:56

Lowest Channel / 10MHz / 16QAM



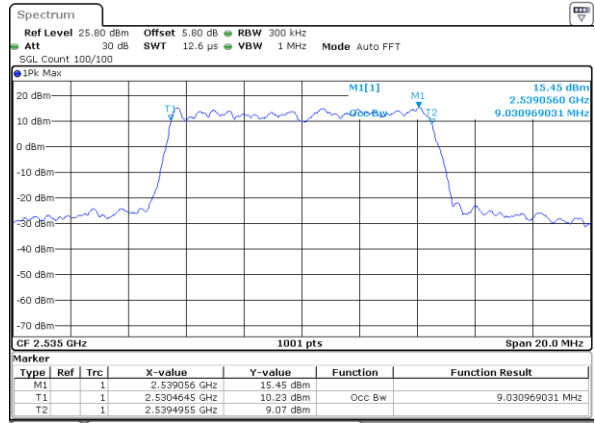
Date: 1 MAY 2020 14:45:17

Middle Channel / 10MHz / QPSK



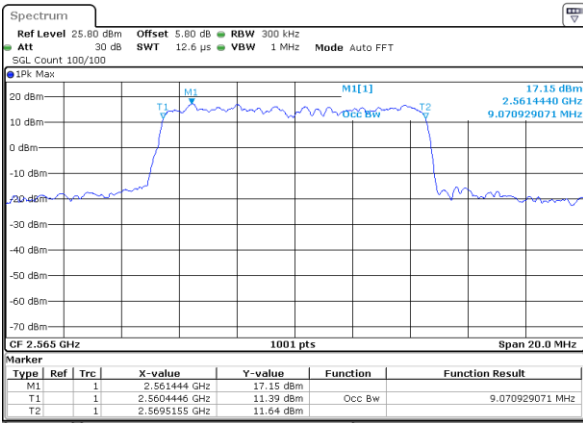
Date: 1 MAY 2020 14:45:17

Middle Channel / 10MHz / 16QAM



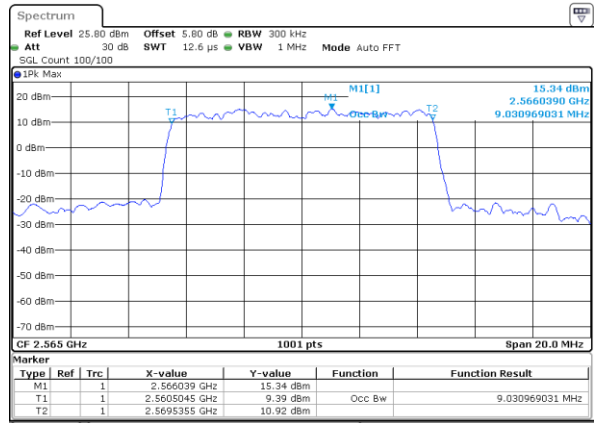
Date: 1 MAY 2020 14:45:17

Highest Channel / 10MHz / QPSK



Date: 1 MAY 2020 14:46:17

Highest Channel / 10MHz / 16QAM

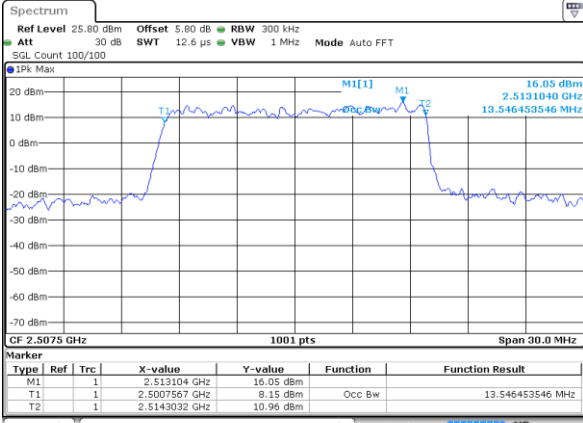


Date: 1 MAY 2020 14:46:17



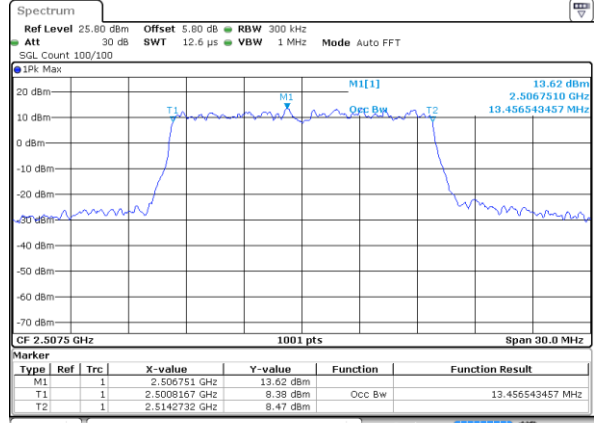
LTE Band 7

Lowest Channel / 15MHz / QPSK



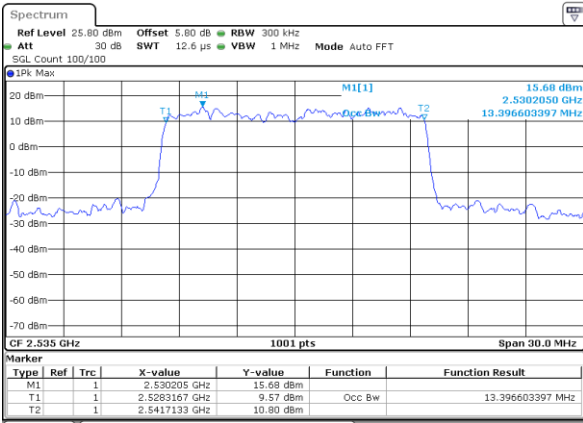
Date: 1 MAY 2020 15:01:46

Lowest Channel / 15MHz / 16QAM



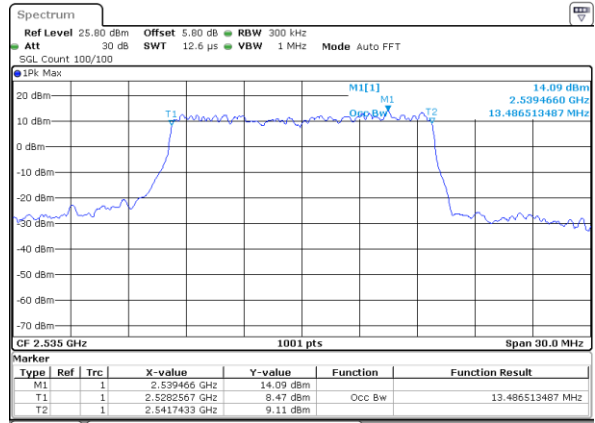
Date: 1 MAY 2020 15:01:26

Middle Channel / 15MHz / QPSK



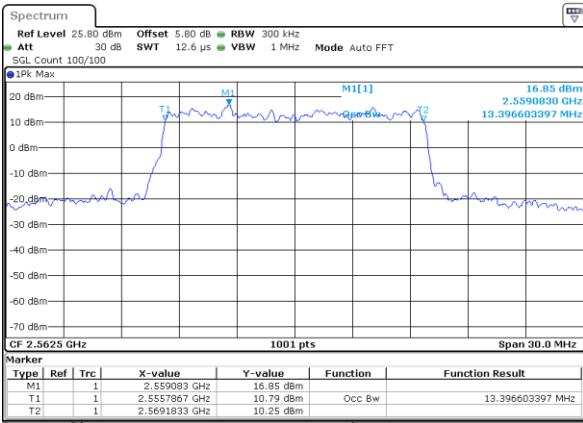
Date: 1 MAY 2020 15:02:07

Middle Channel / 15MHz / 16QAM



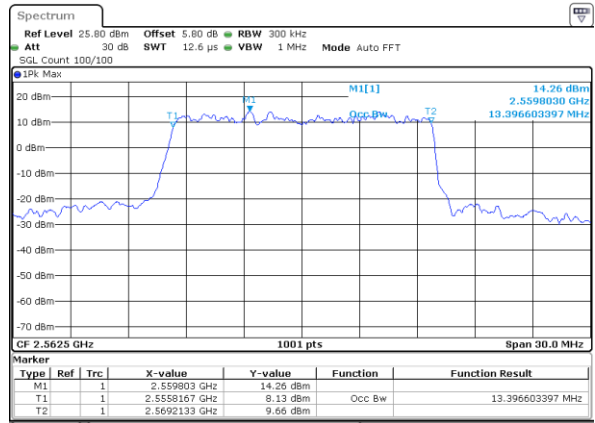
Date: 1 MAY 2020 15:02:27

Highest Channel / 15MHz / QPSK



Date: 1 MAY 2020 15:03:07

Highest Channel / 15MHz / 16QAM

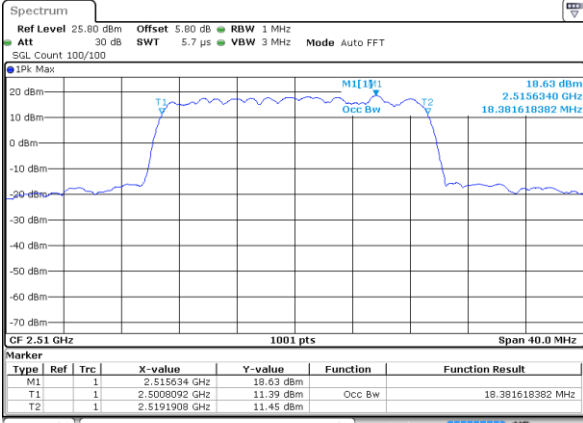


Date: 1 MAY 2020 15:02:47



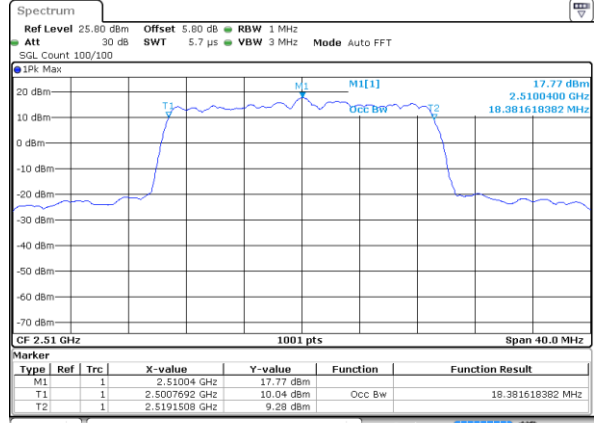
LTE Band 7

Lowest Channel / 20MHz / QPSK



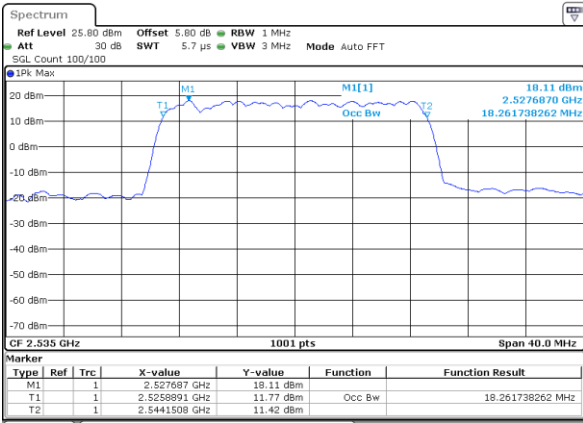
Date: 1 MAY 2020 15:18:18

Lowest Channel / 20MHz / 16QAM



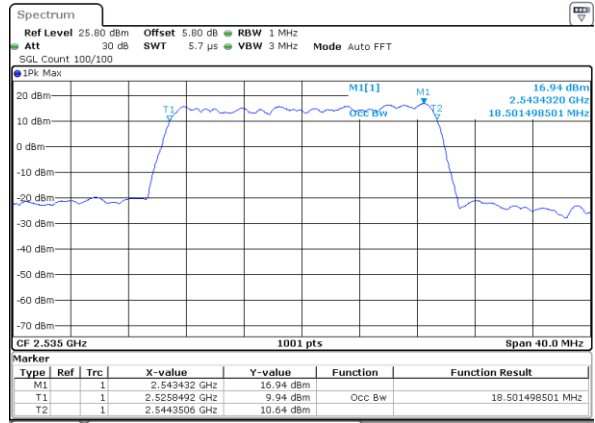
Date: 1 MAY 2020 15:17:58

Middle Channel / 20MHz / QPSK



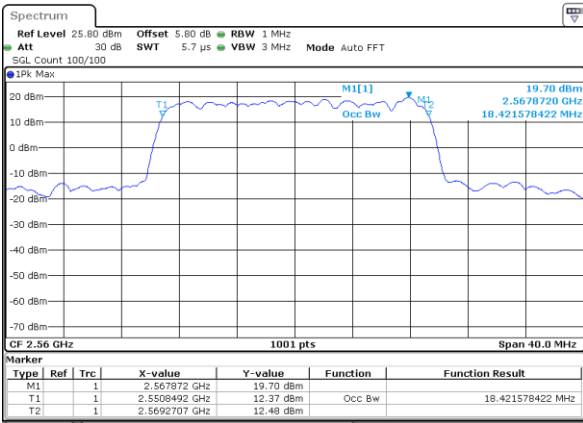
Date: 1 MAY 2020 15:18:38

Middle Channel / 20MHz / 16QAM



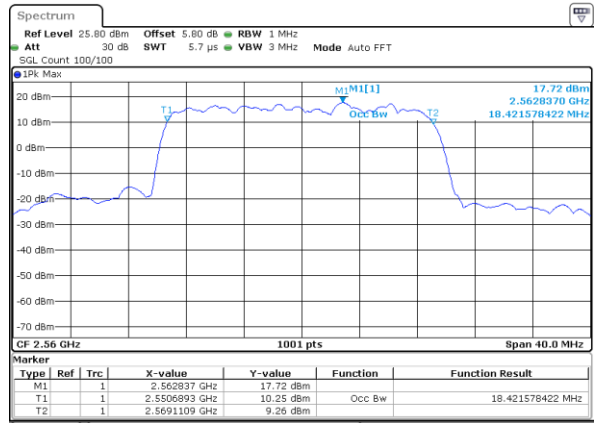
Date: 1 MAY 2020 15:18:58

Highest Channel / 20MHz / QPSK



Date: 1 MAY 2020 15:19:38

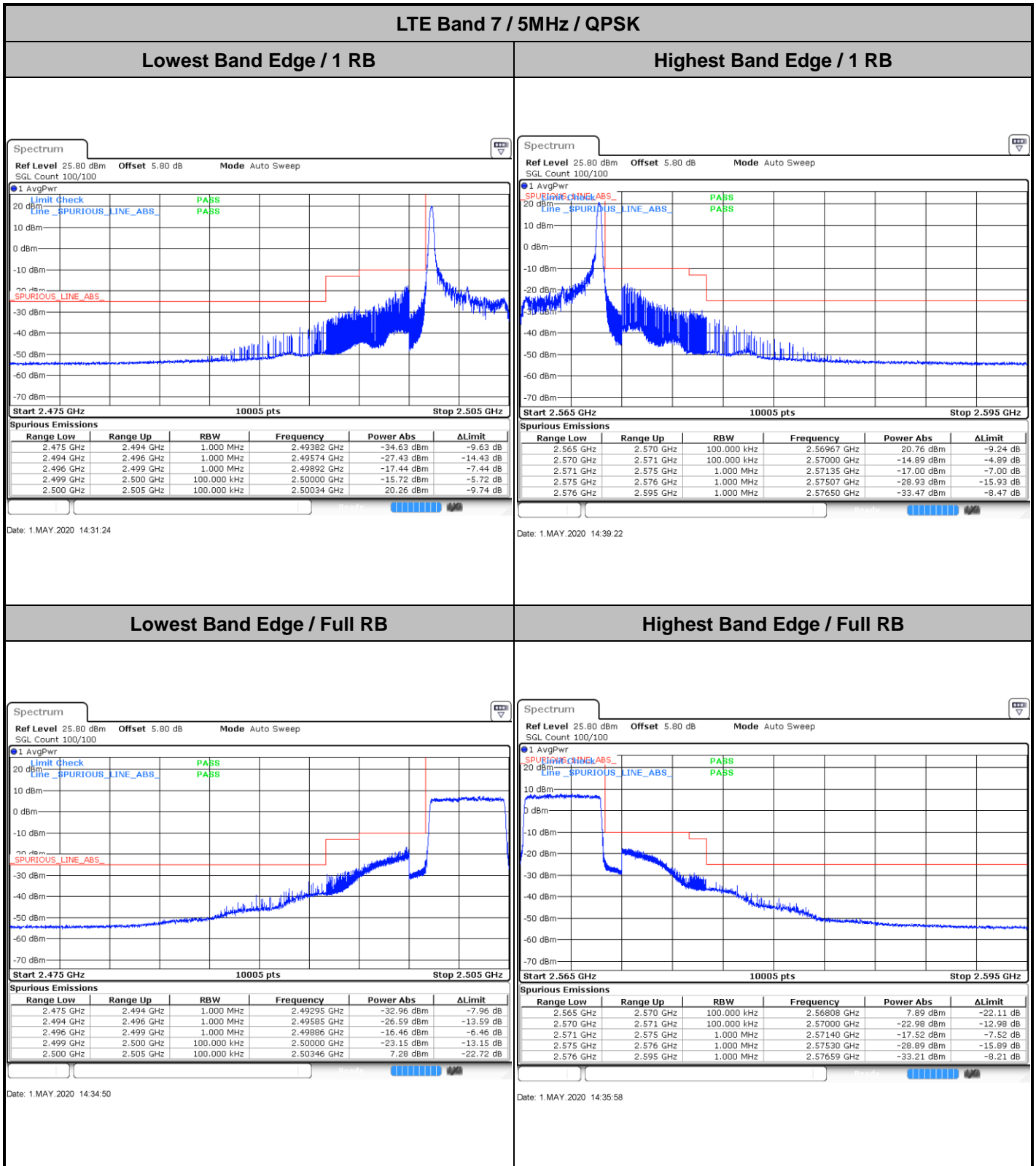
Highest Channel / 20MHz / 16QAM



Date: 1 MAY 2020 15:19:18



Conducted Band Edge

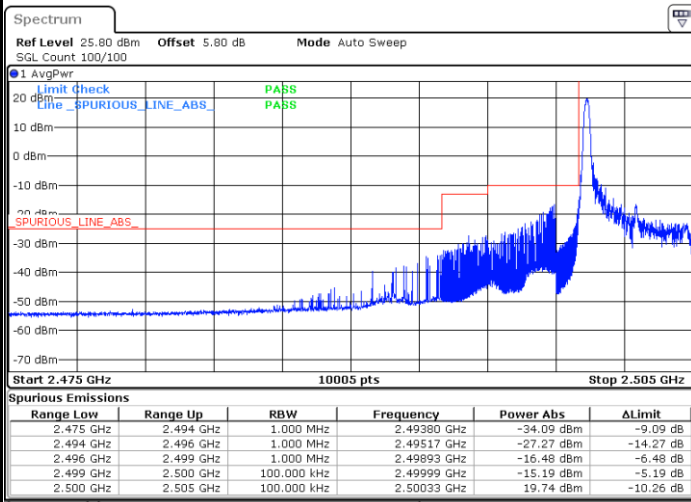




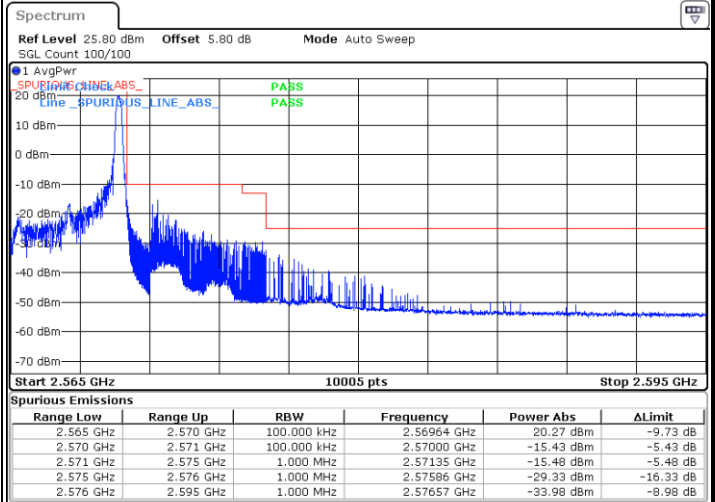
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



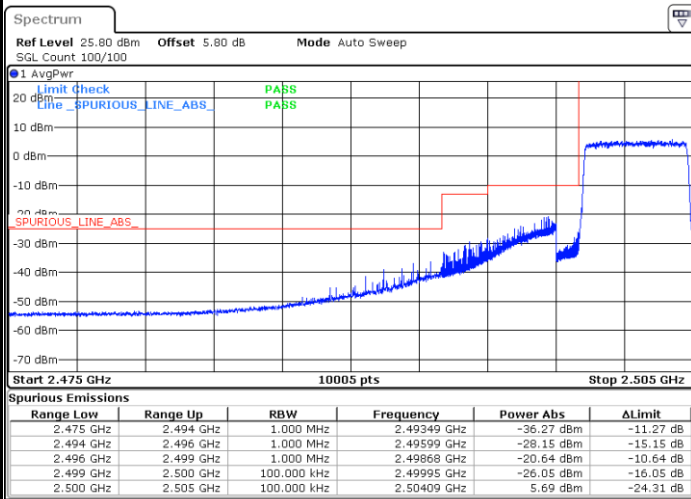
Date: 1 MAY 2020 14:32:33



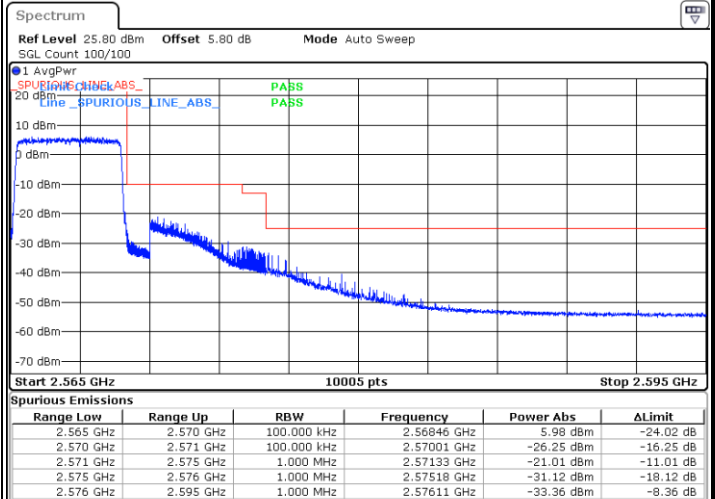
Date: 1 MAY 2020 14:38:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 MAY 2020 14:33:41

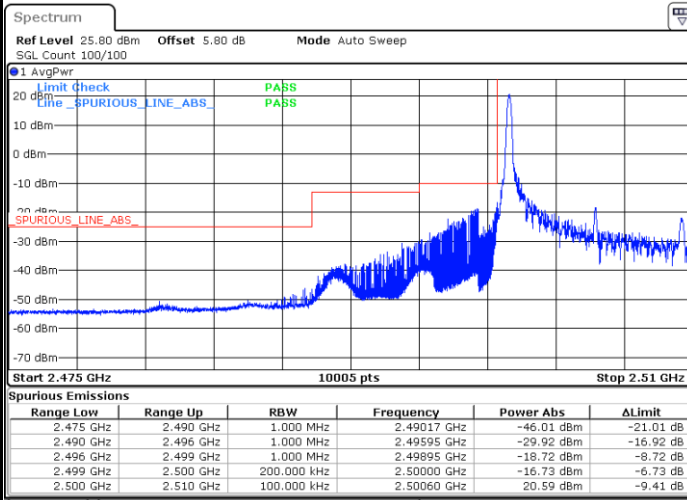


Date: 1 MAY 2020 14:37:06



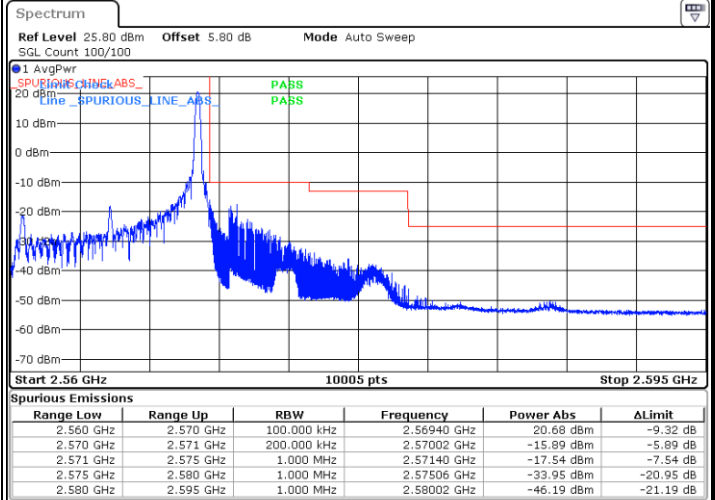
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



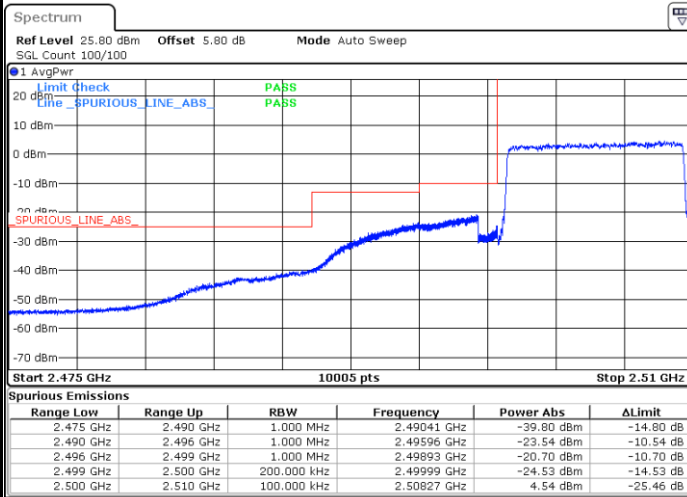
Date: 1 MAY 2020 14:47:55

Highest Band Edge / 1 RB



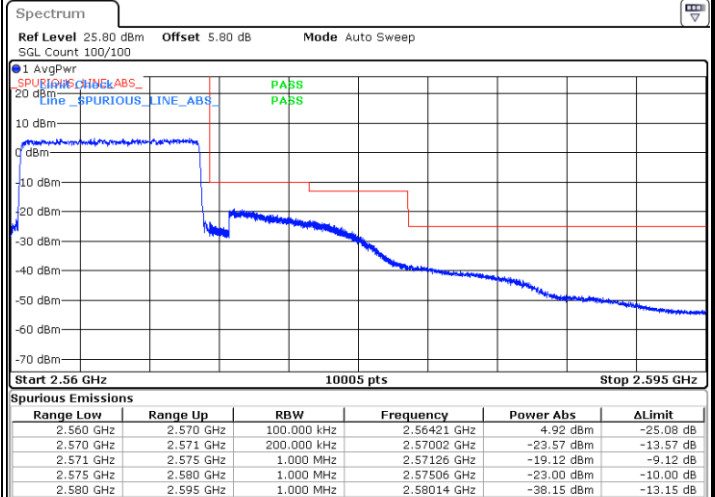
Date: 1 MAY 2020 14:55:52

Lowest Band Edge / Full RB



Date: 1 MAY 2020 14:51:20

Highest Band Edge / Full RB

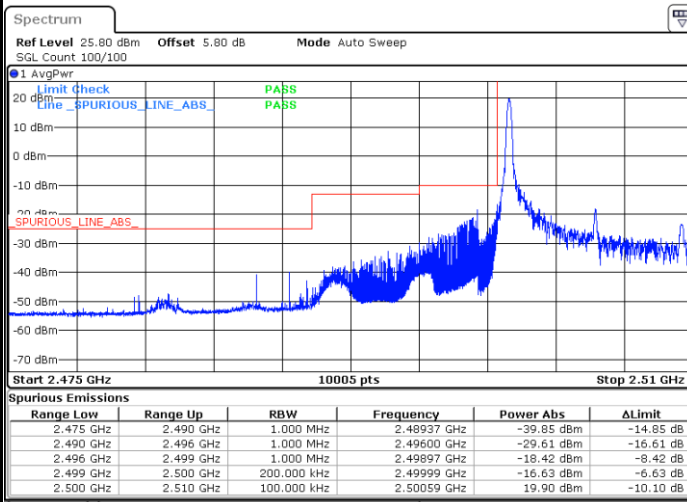


Date: 1 MAY 2020 14:52:28



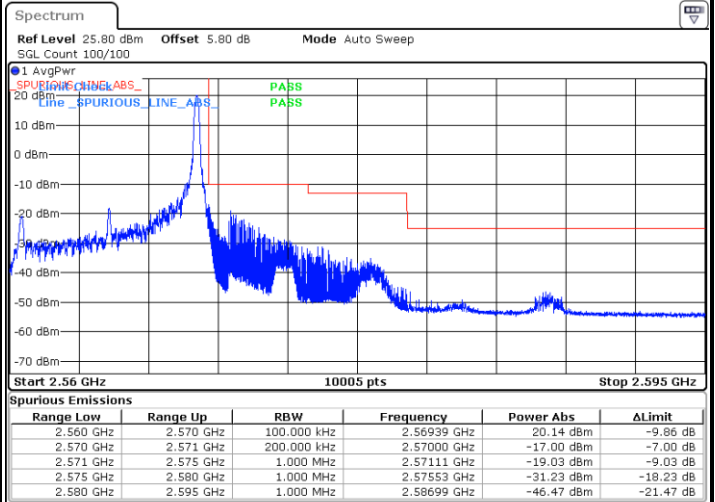
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



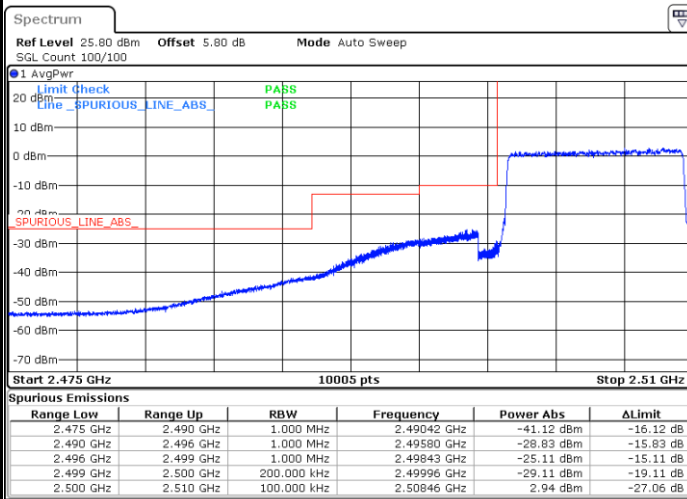
Date: 1 MAY 2020 14:49:03

Highest Band Edge / 1 RB



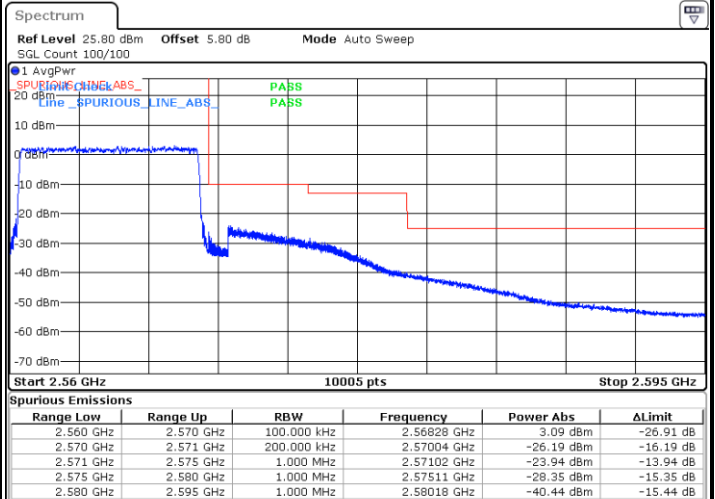
Date: 1 MAY 2020 14:54:44

Lowest Band Edge / Full RB



Date: 1 MAY 2020 14:50:12

Highest Band Edge / Full RB

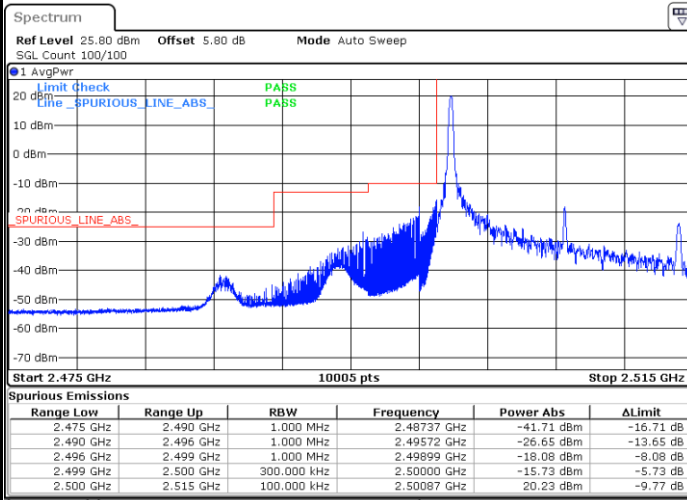


Date: 1 MAY 2020 14:53:36



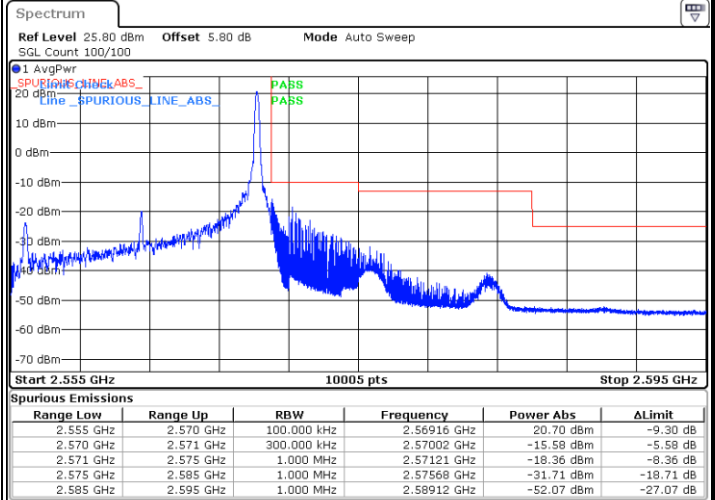
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



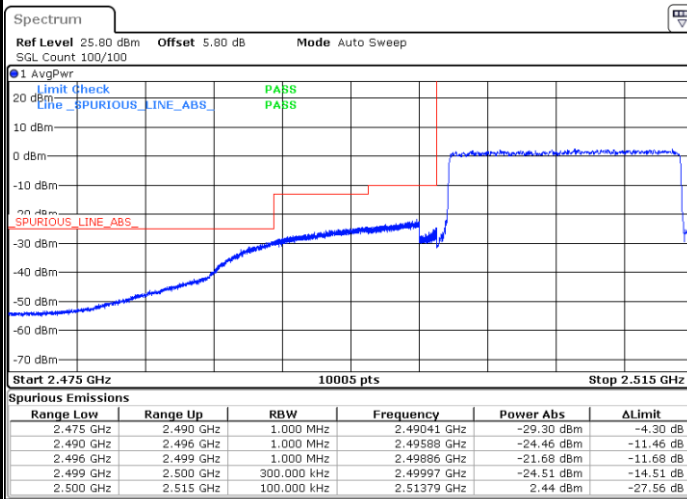
Date: 1 MAY 2020 15:04:26

Highest Band Edge / 1 RB



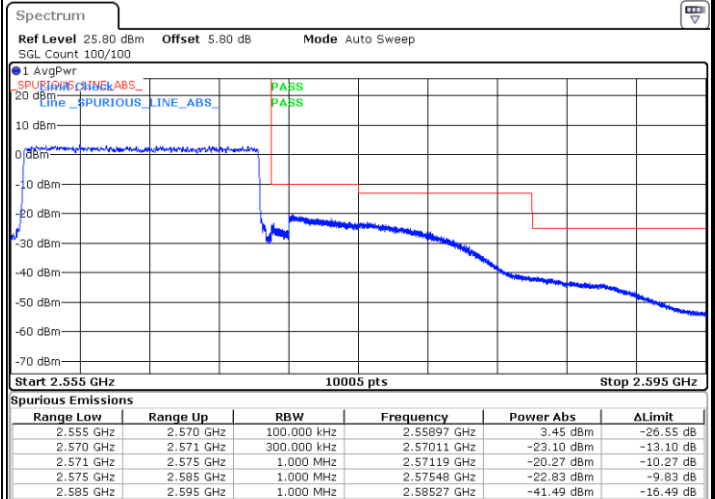
Date: 1 MAY 2020 15:12:24

Lowest Band Edge / Full RB



Date: 1 MAY 2020 15:07:51

Highest Band Edge / Full RB

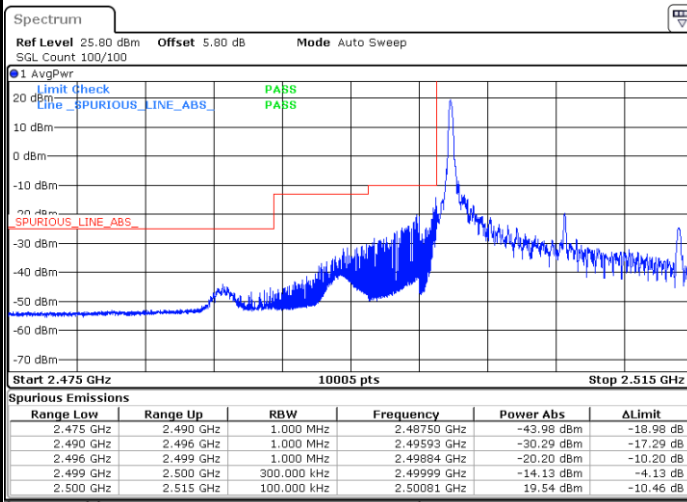


Date: 1 MAY 2020 15:08:59



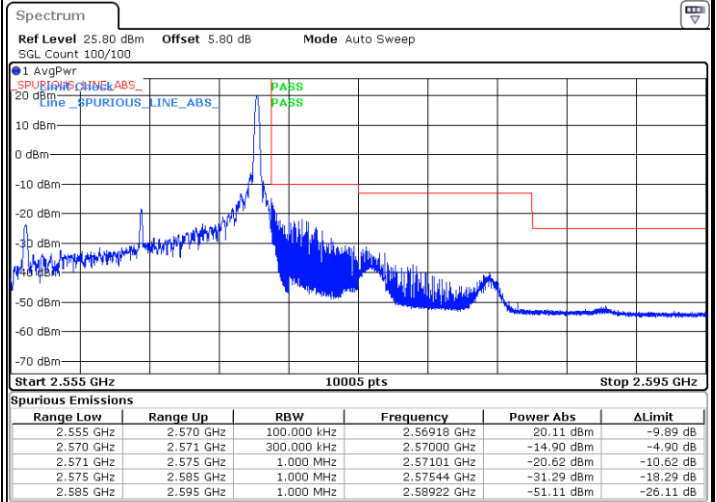
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



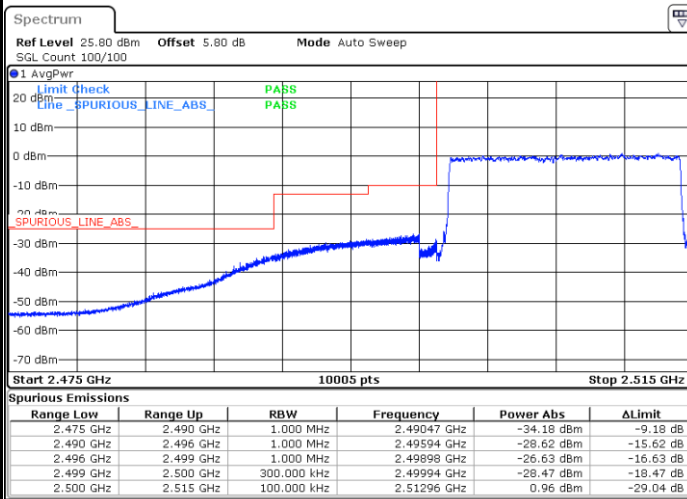
Date: 1 MAY 2020 15:05:34

Highest Band Edge / 1 RB



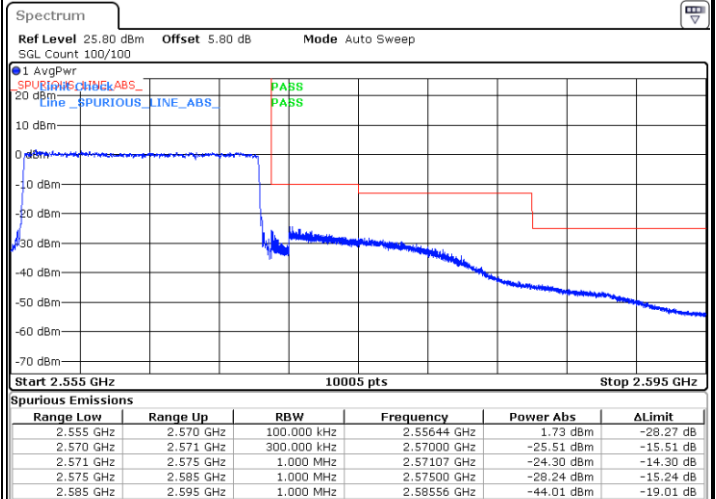
Date: 1 MAY 2020 15:11:16

Lowest Band Edge / Full RB



Date: 1 MAY 2020 15:06:43

Highest Band Edge / Full RB



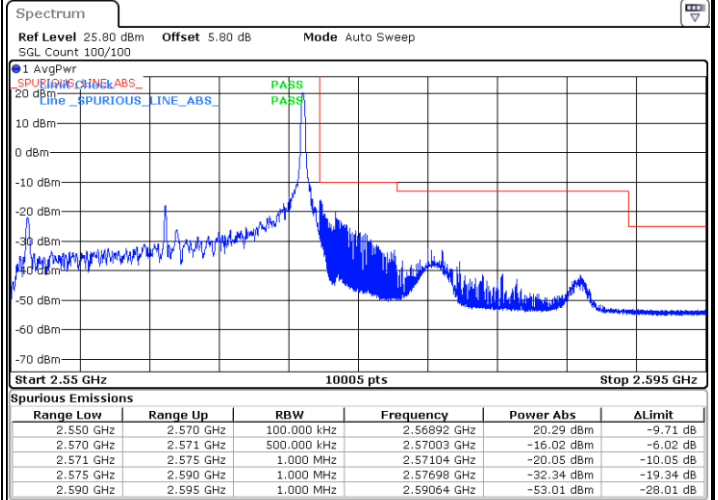
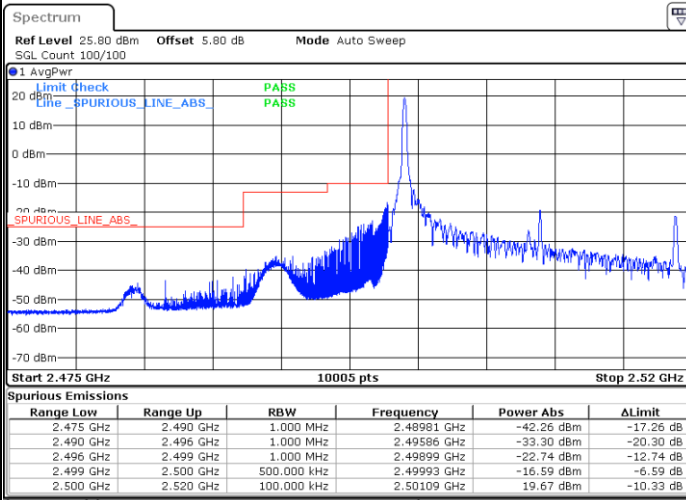
Date: 1 MAY 2020 15:10:07



LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

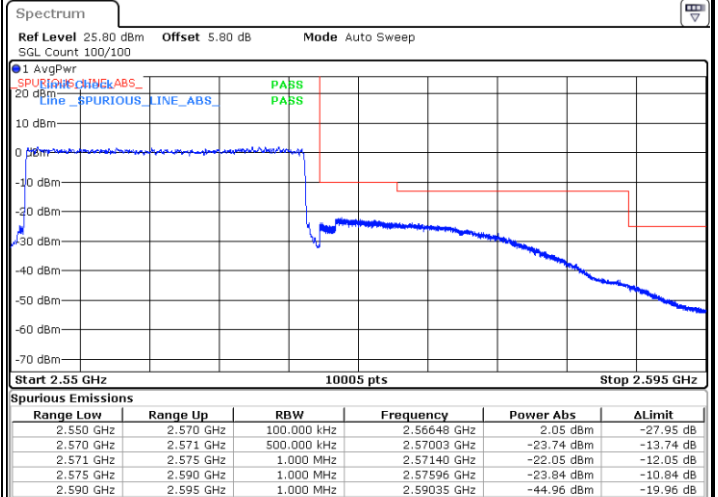
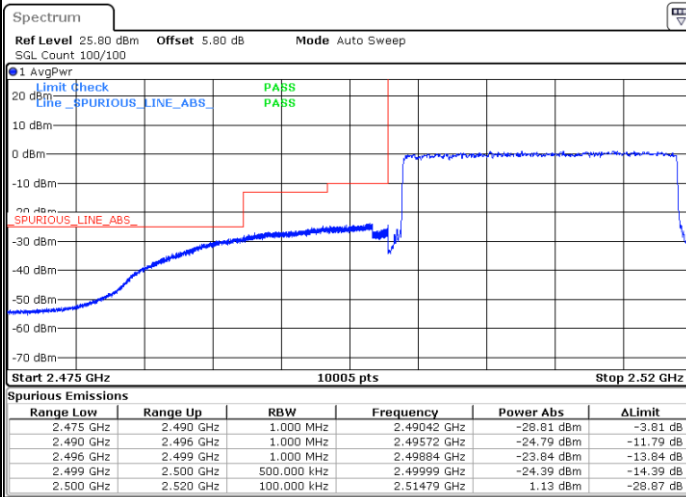


Date: 1 MAY 2020 15:20:57

Date: 1 MAY 2020 15:28:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



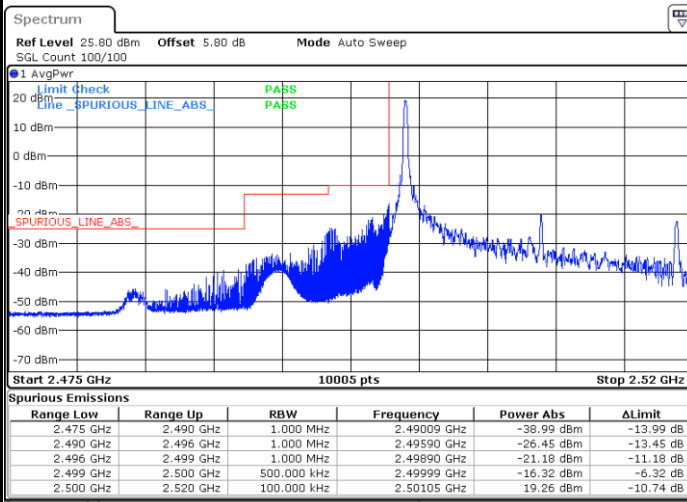
Date: 1 MAY 2020 15:24:23

Date: 1 MAY 2020 15:25:31



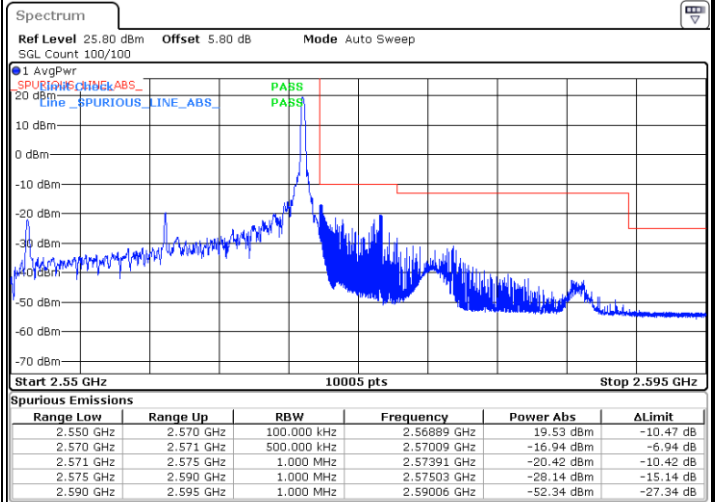
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



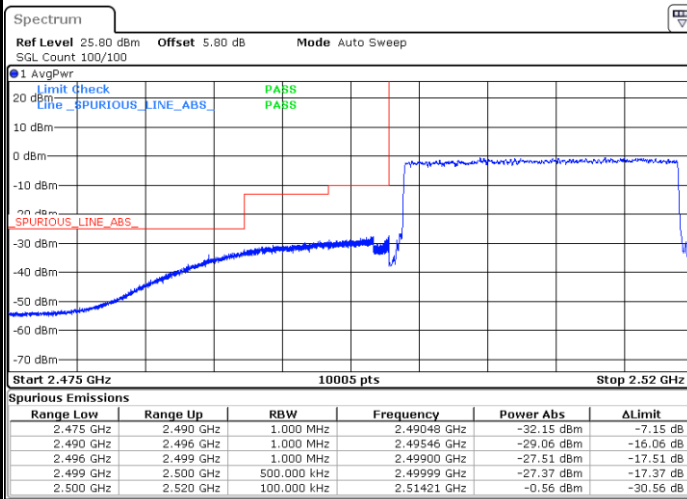
Date: 1 MAY 2020 15:22:06

Highest Band Edge / 1RB



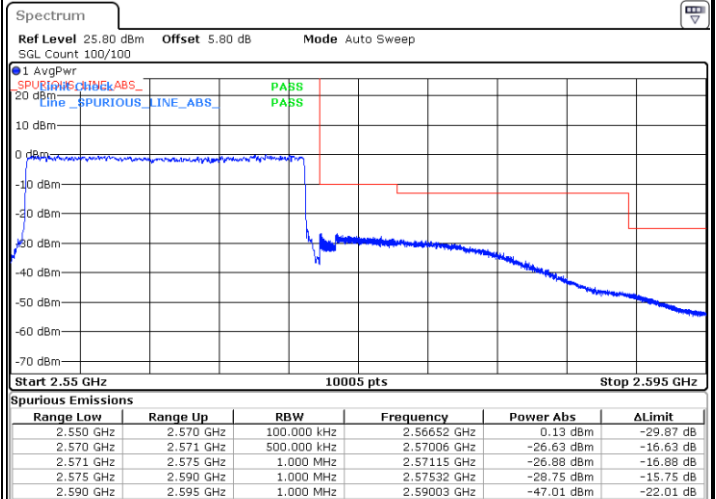
Date: 1 MAY 2020 15:27:47

Lowest Band Edge / Full RB



Date: 1 MAY 2020 15:23:14

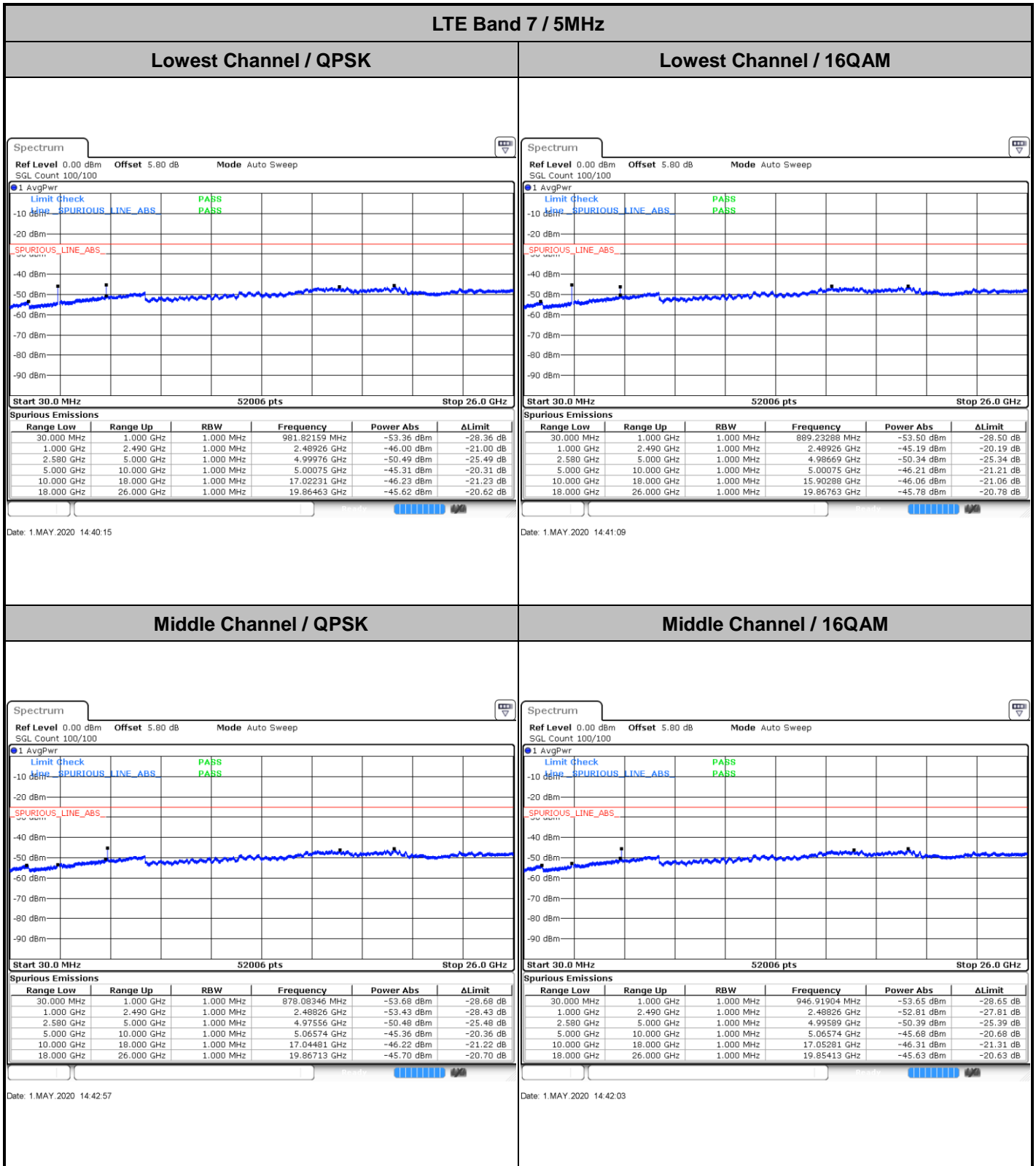
Highest Band Edge / Full RB



Date: 1 MAY 2020 15:26:39



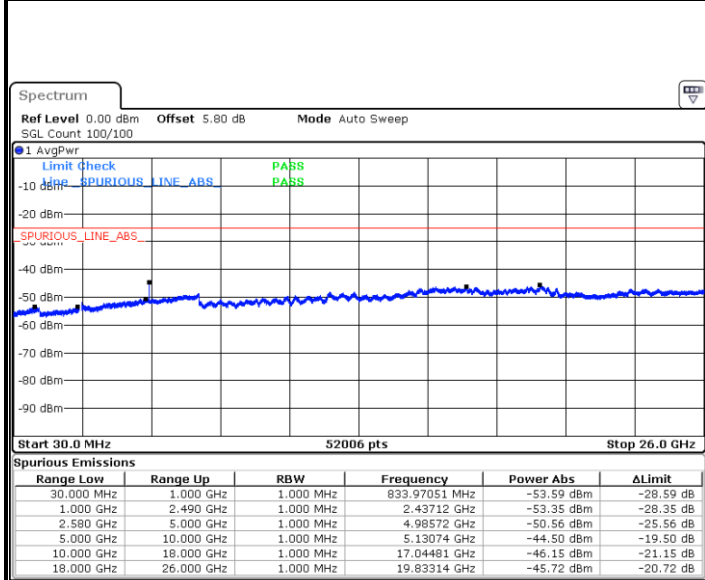
Conducted Spurious Emission





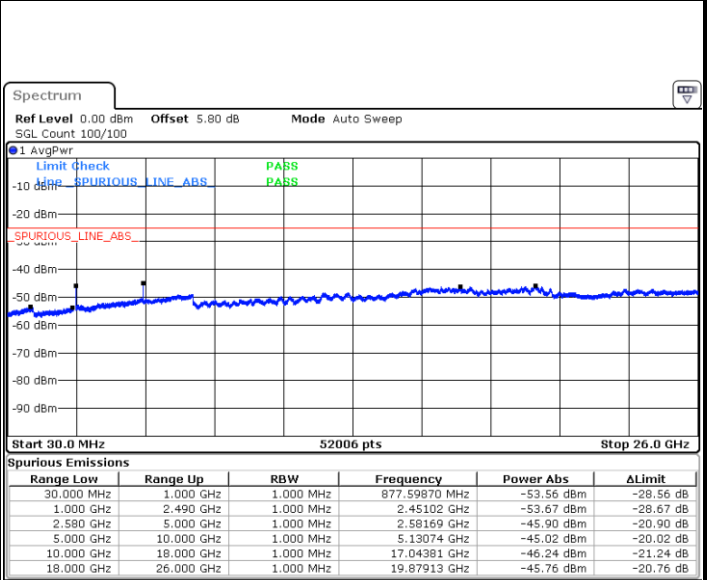
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 1.MAY.2020 14:43:52

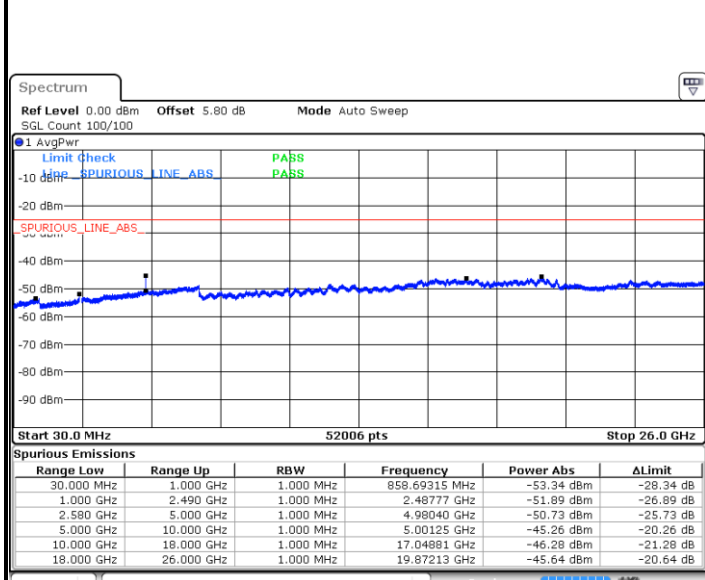
Highest Channel / 16QAM



Date: 1.MAY.2020 14:44:46

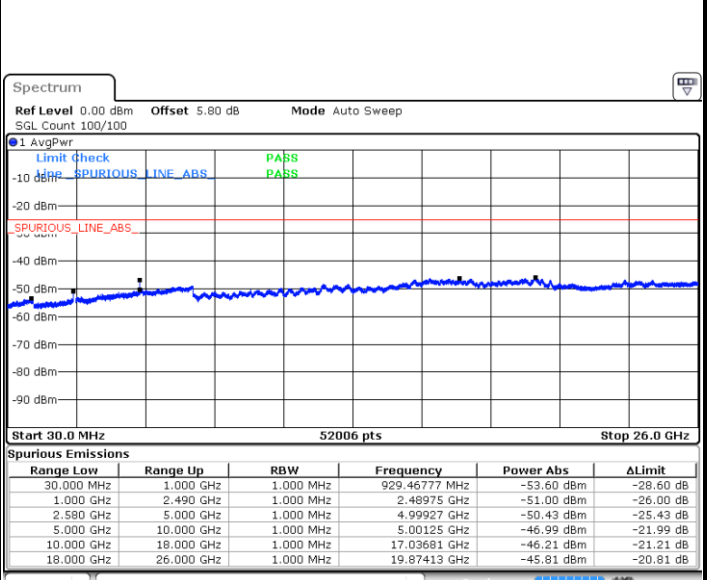
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 1.MAY.2020 14:56:45

Lowest Channel / 16QAM



Date: 1.MAY.2020 14:57:39