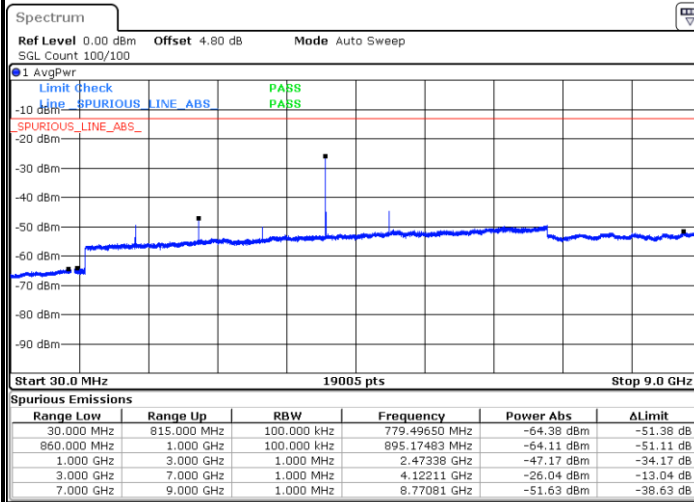




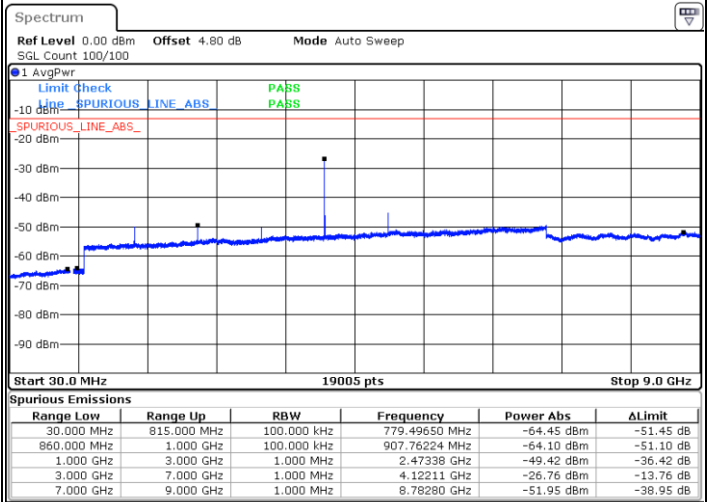
LTE Band 5 / 5MHz

Lowest Channel / QPSK



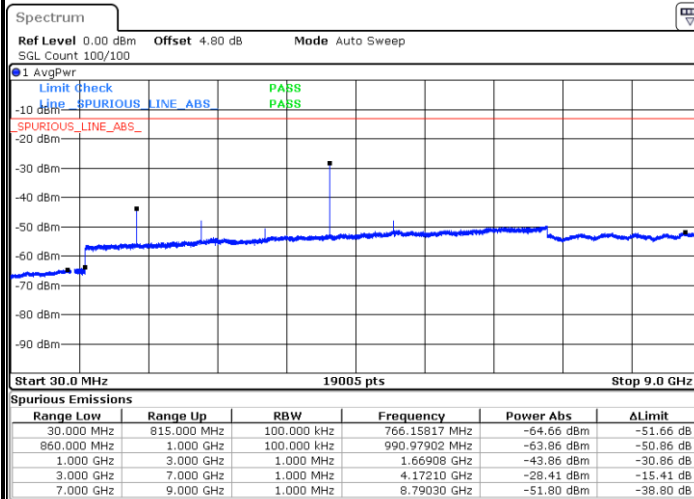
Date: 1.MAY.2020 16:42:00

Lowest Channel / 16QAM



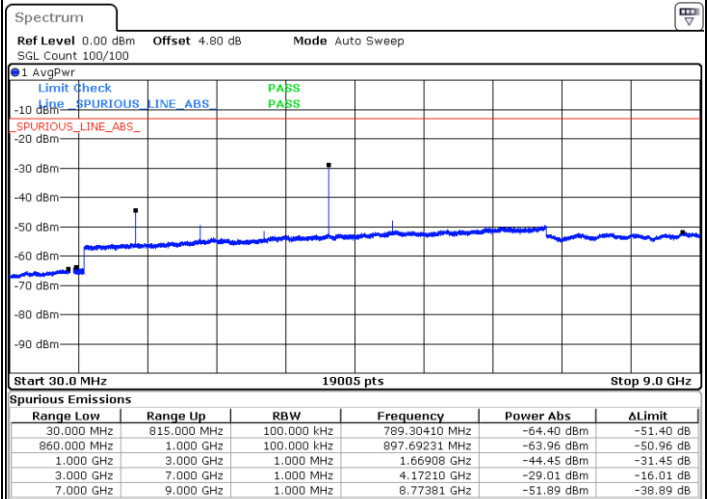
Date: 1.MAY.2020 16:42:55

Middle Channel / QPSK



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

Middle Channel / 16QAM

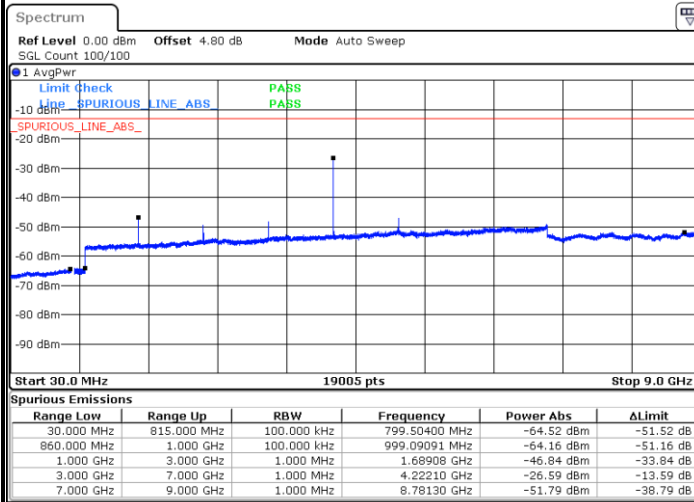


Date: 1.MAY.2020 16:45:24



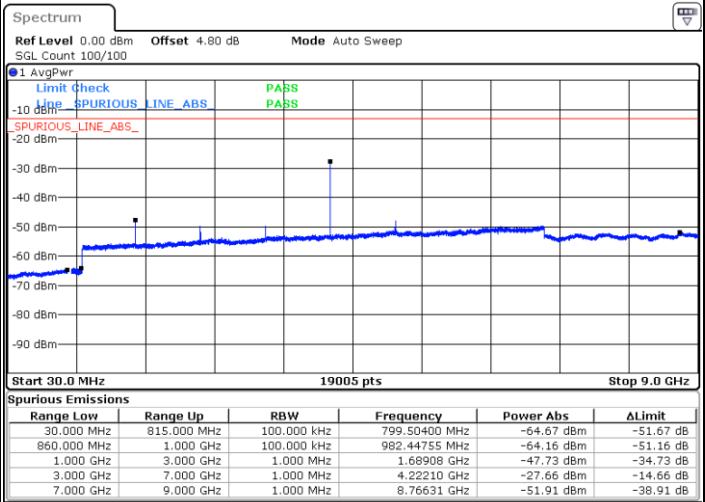
LTE Band 5 / 5MHz

Highest Channel / QPSK



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

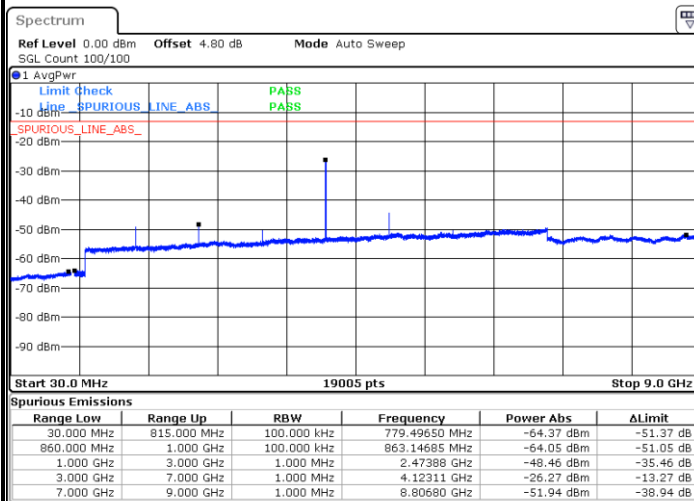
Highest Channel / 16QAM



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

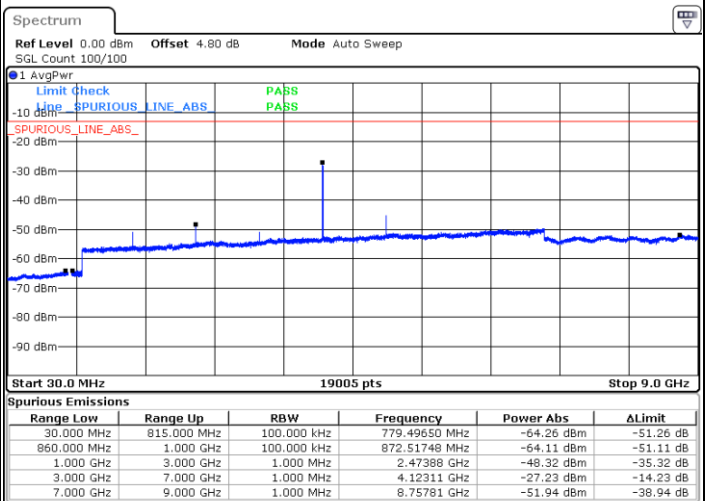
LTE Band 5 / 10MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM

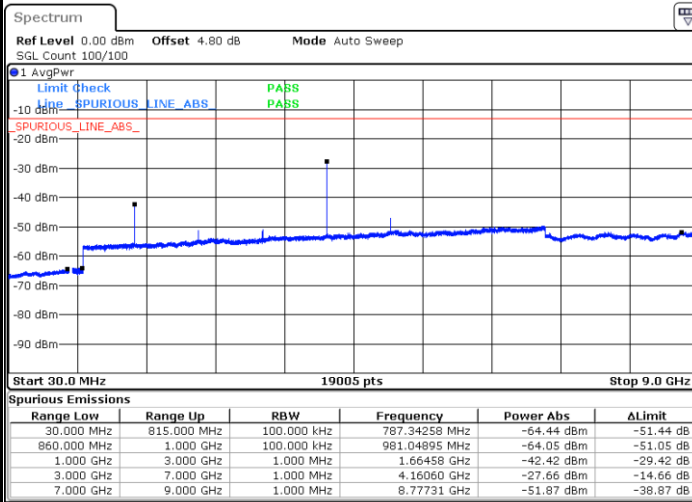


Date: 1.MAY.2020 17:03:23



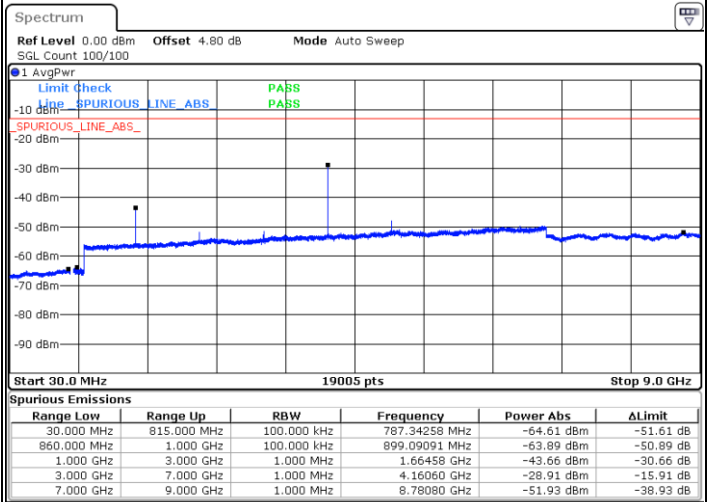
LTE Band 5 / 10MHz

Middle Channel / QPSK



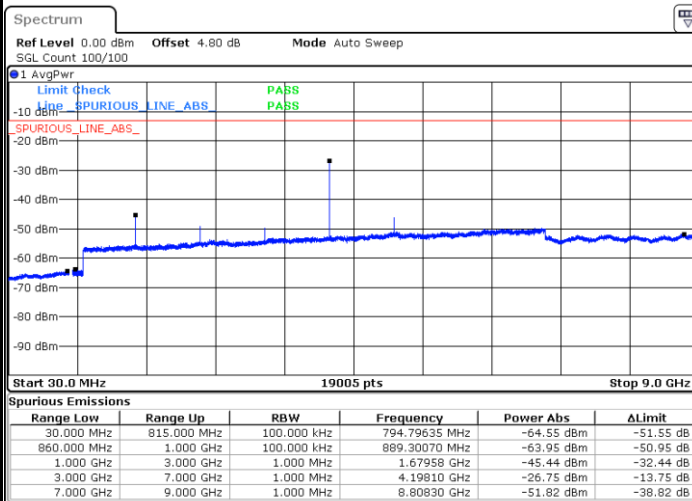
Date: 1.MAY.2020 17:04:58

Middle Channel / 16QAM



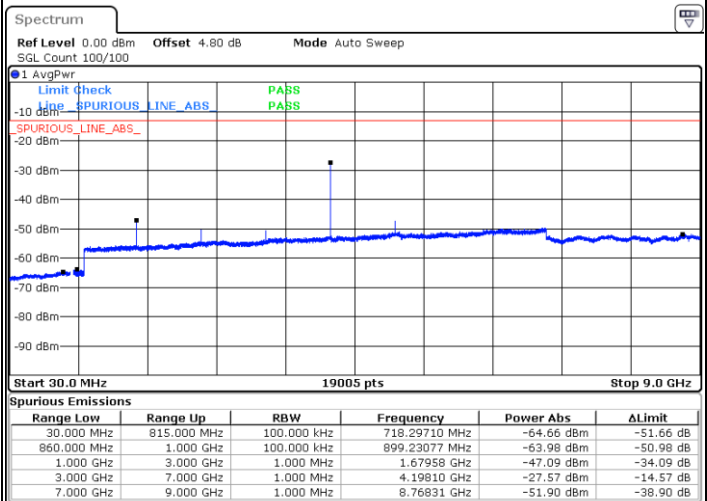
Date: 1.MAY.2020 17:05:53

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	

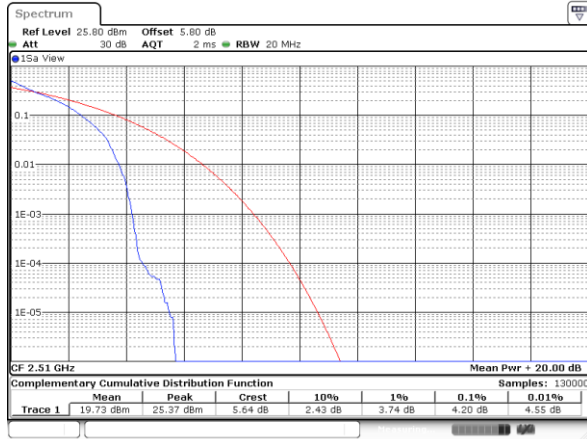
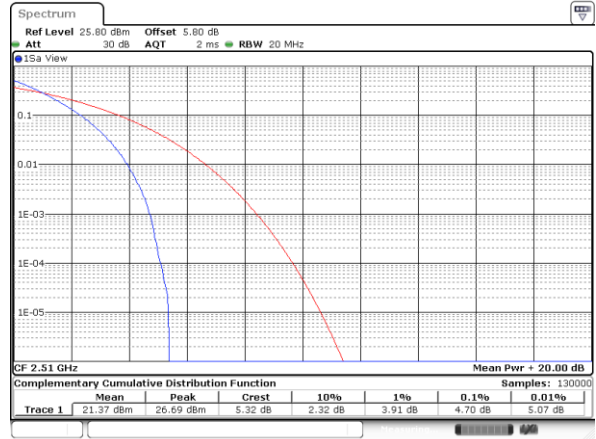
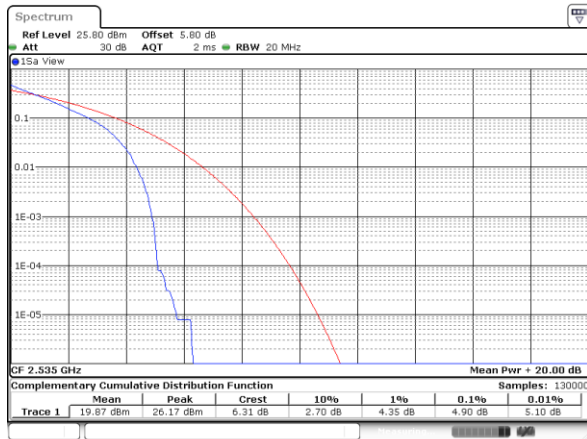
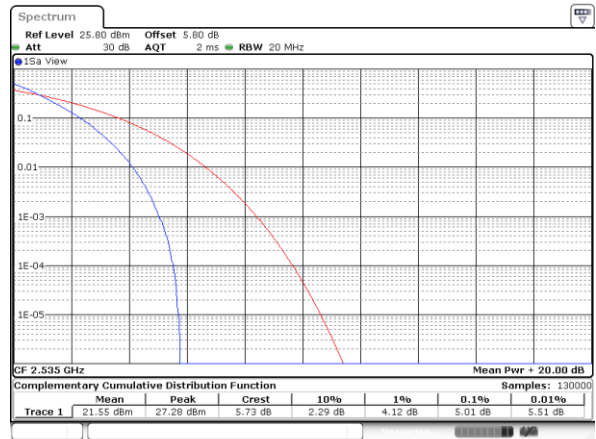
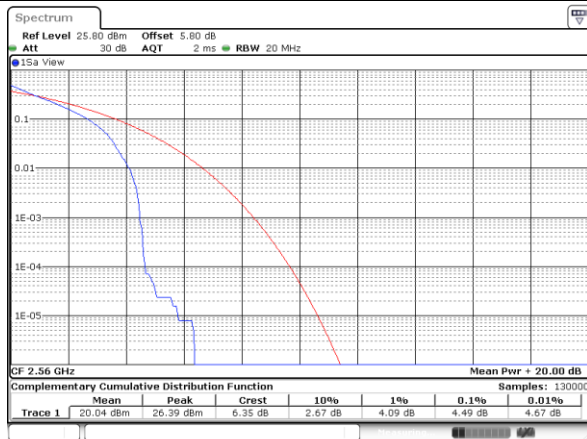
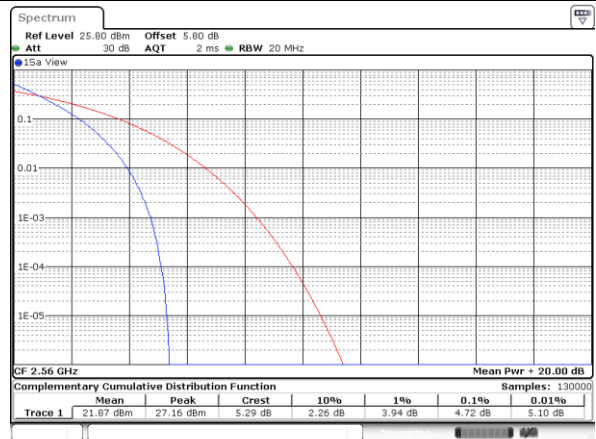
Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.



LTE Band 7

Peak-to-Average Ratio

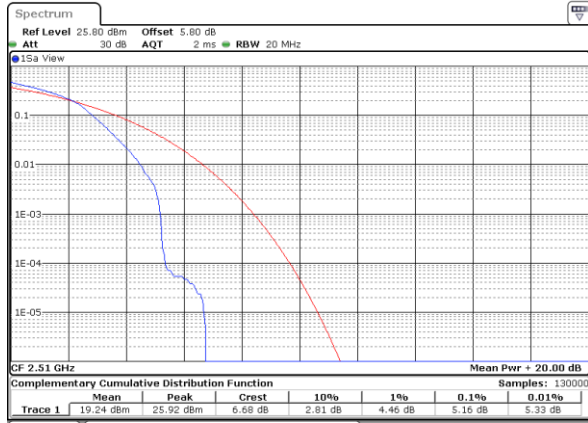
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.2	4.7	5.16	5.71	PASS
Middle CH	4.9	5.01	5.57	6.03	
Highest CH	4.49	4.72	5.13	5.86	

LTE Band 7 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB




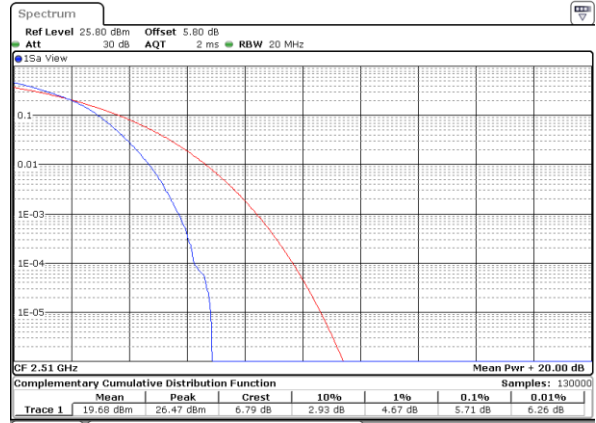
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



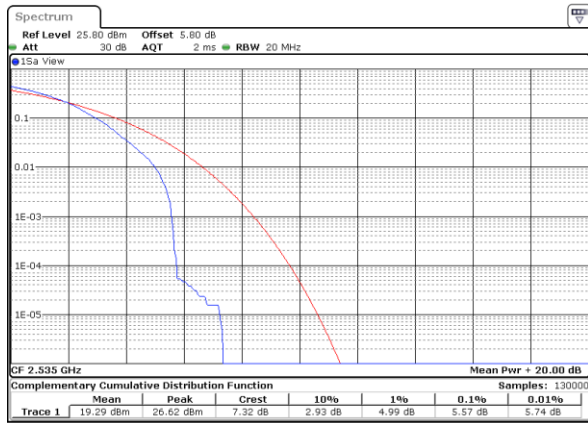
Date: 1 MAY 2020 15:45:36

Lowest Channel / Full RB



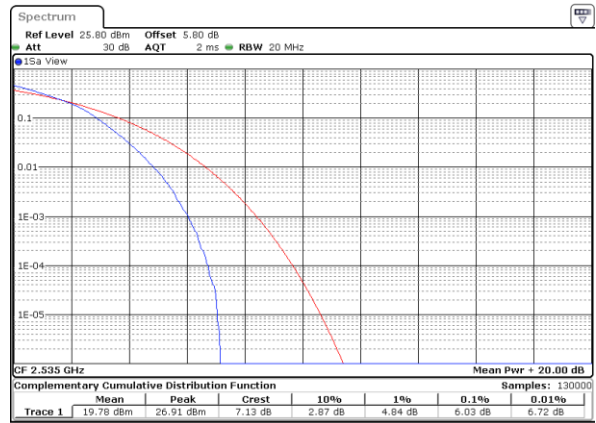
Date: 1 MAY 2020 15:46:03

Middle Channel / 1RB



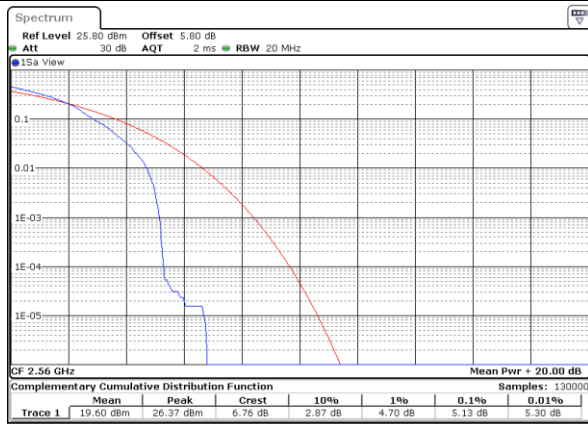
Date: 1 MAY 2020 15:46:44

Middle Channel / Full RB



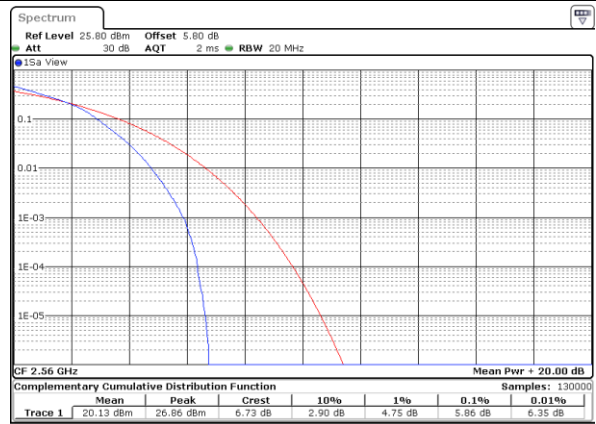
Date: 1 MAY 2020 15:46:11

Highest Channel / 1RB



Date: 1 MAY 2020 15:46:53

Highest Channel / Full RB



Date: 1 MAY 2020 15:47:21



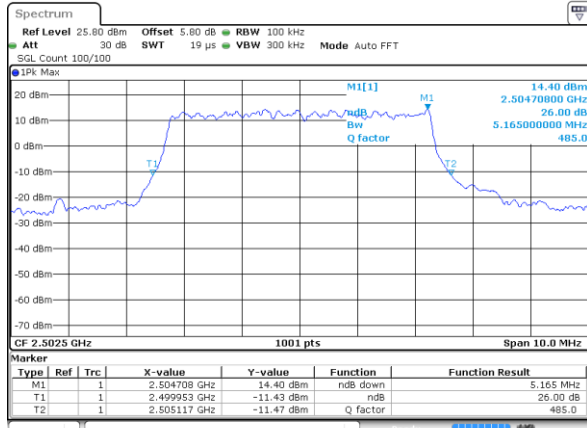
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	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



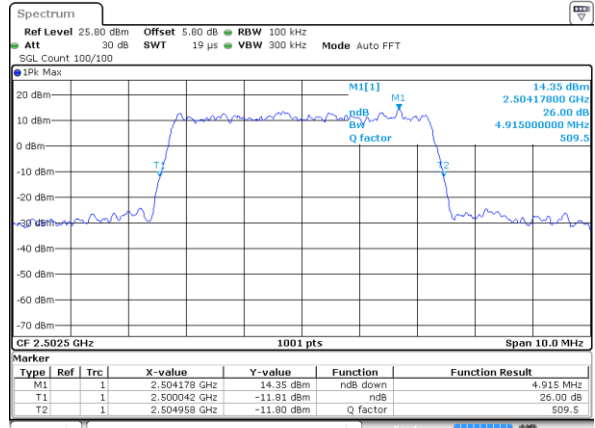
LTE Band 7

Lowest Channel / 5MHz / QPSK



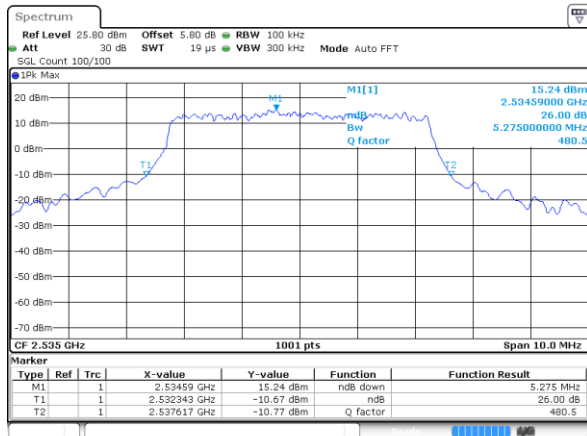
Date: 1 MAY 2020 14:28:35

Lowest Channel / 5MHz / 16QAM



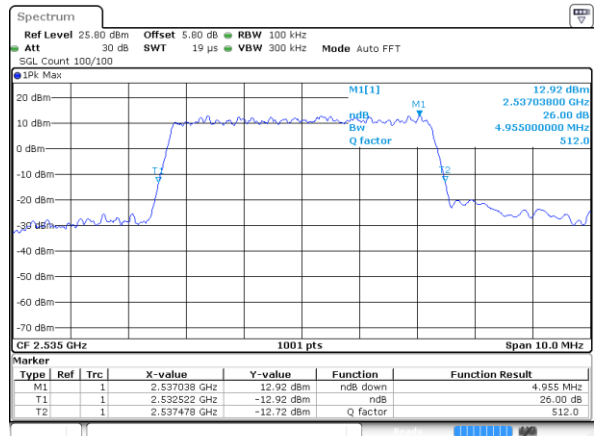
Date: 1 MAY 2020 14:28:55

Middle Channel / 5MHz / QPSK



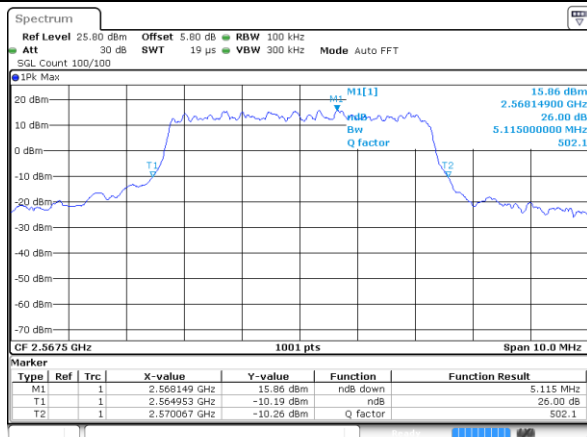
Date: 1 MAY 2020 15:50:50

Middle Channel / 5MHz / 16QAM



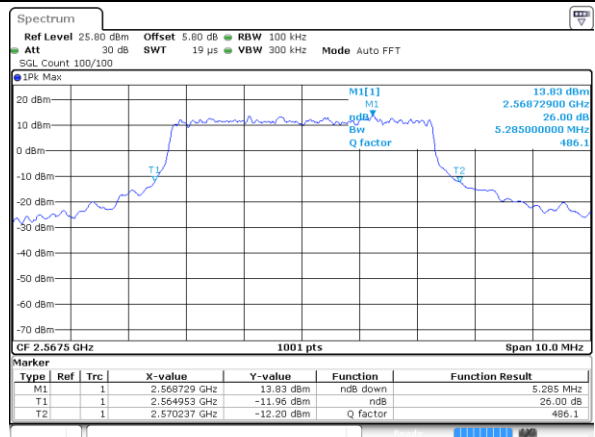
Date: 1 MAY 2020 14:29:15

Highest Channel / 5MHz / QPSK



Date: 1 MAY 2020 14:29:55

Highest Channel / 5MHz / 16QAM

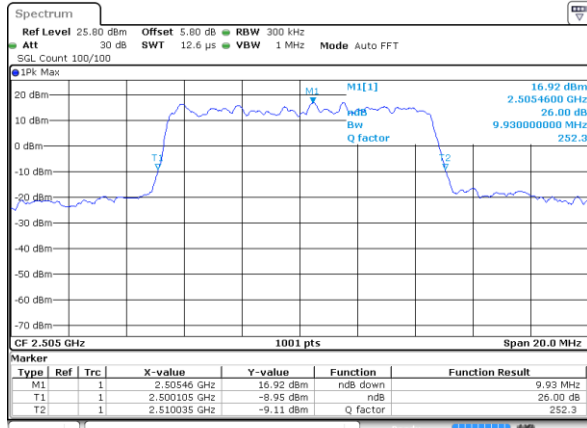


Date: 1 MAY 2020 14:30:15



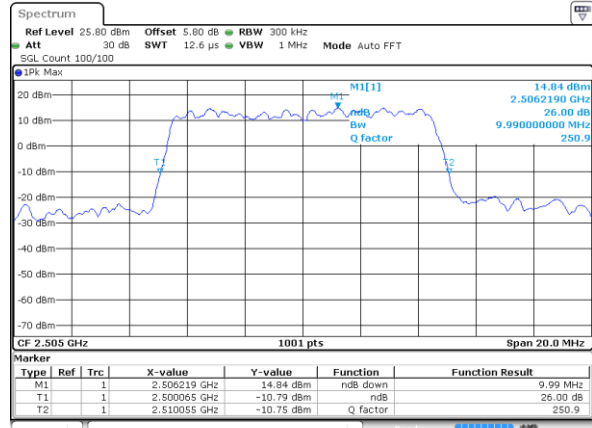
LTE Band 7

Lowest Channel / 10MHz / QPSK



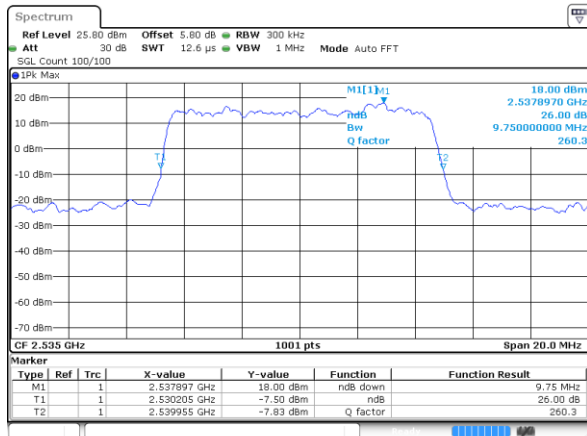
Date: 1 MAY 2020 14:45:06

Lowest Channel / 10MHz / 16QAM



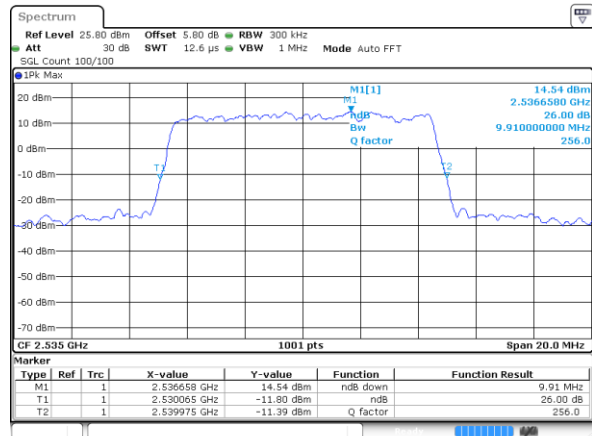
Date: 1 MAY 2020 14:45:27

Middle Channel / 10MHz / QPSK



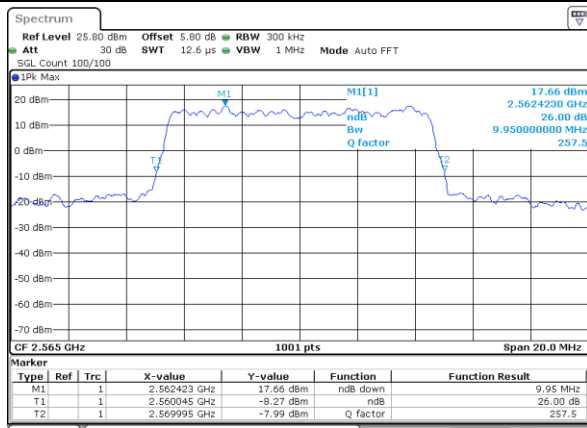
Date: 1 MAY 2020 14:46:07

Middle Channel / 10MHz / 16QAM



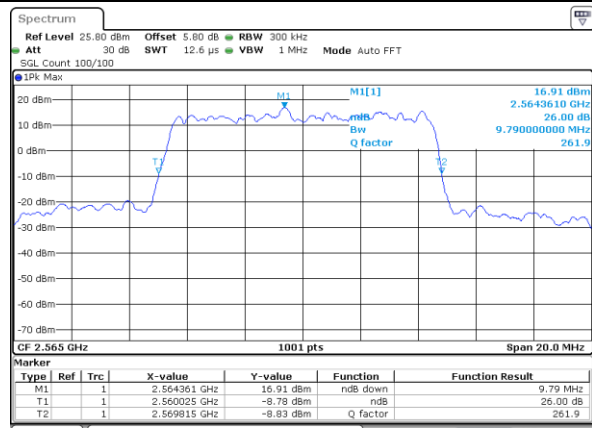
Date: 1 MAY 2020 14:45:47

Highest Channel / 10MHz / QPSK



Date: 1 MAY 2020 14:46:27

Highest Channel / 10MHz / 16QAM

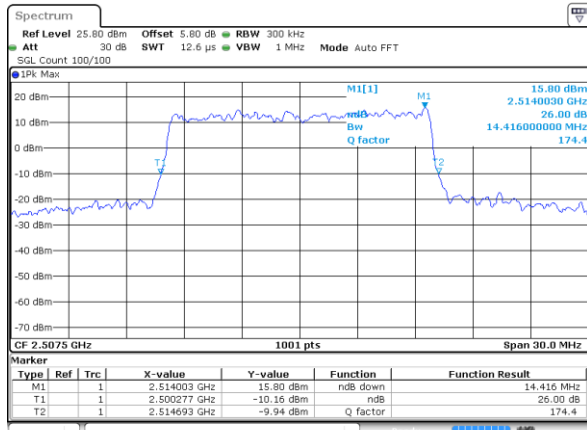


Date: 1 MAY 2020 14:46:47



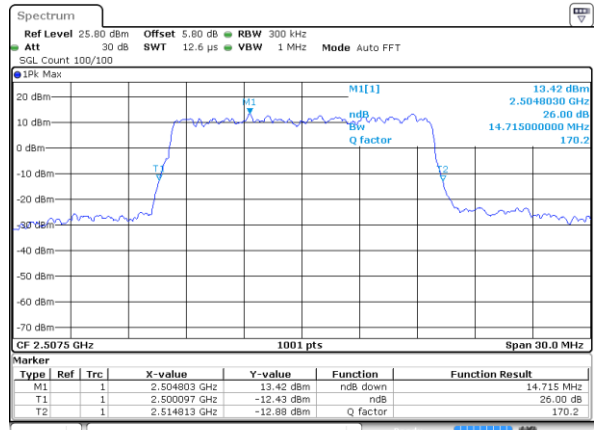
LTE Band 7

Lowest Channel / 15MHz / QPSK



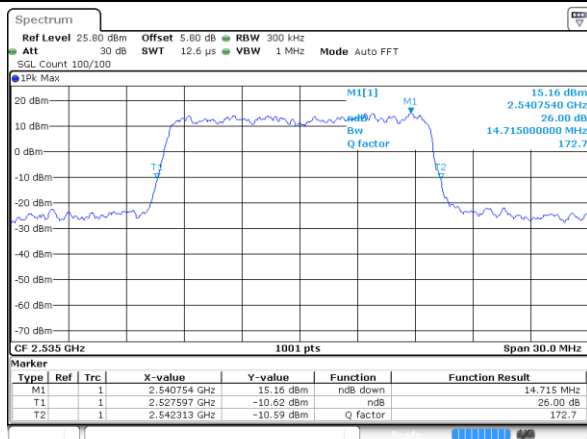
Date: 1 MAY 2020 15:01:56

Lowest Channel / 15MHz / 16QAM



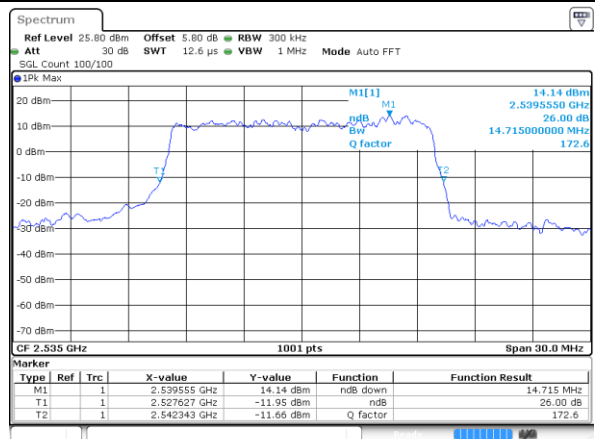
Date: 1 MAY 2020 15:01:36

Middle Channel / 15MHz / QPSK



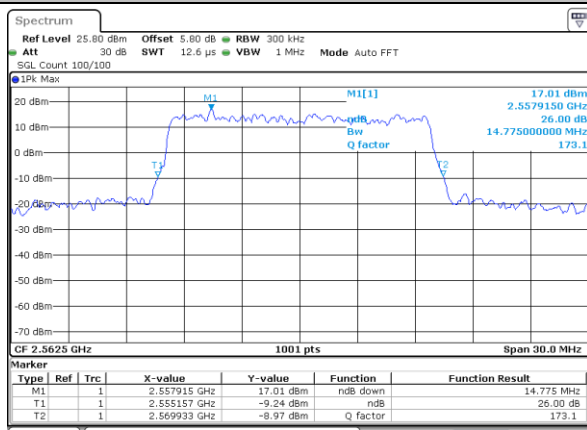
Date: 1 MAY 2020 15:02:17

Middle Channel / 15MHz / 16QAM



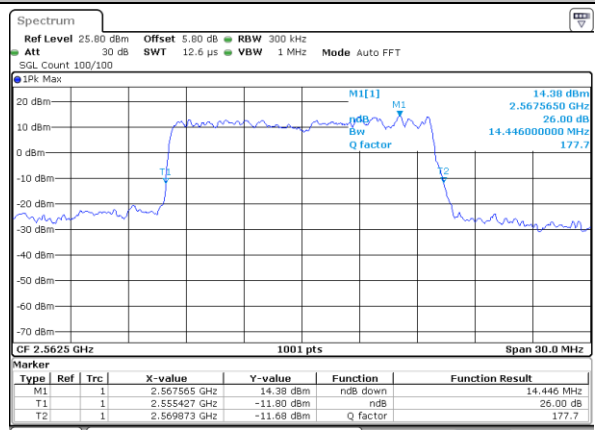
Date: 1 MAY 2020 15:02:37

Highest Channel / 15MHz / QPSK



Date: 1 MAY 2020 15:03:17

Highest Channel / 15MHz / 16QAM

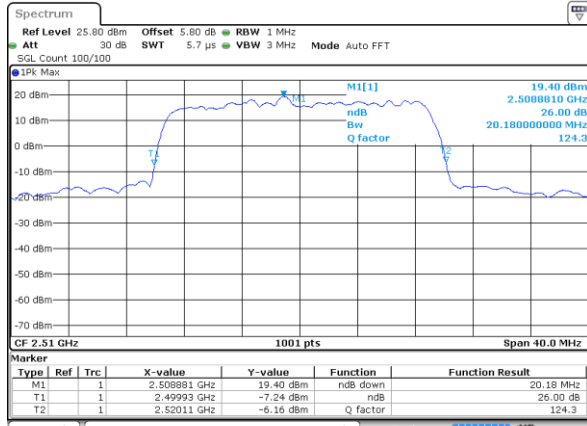


Date: 1 MAY 2020 15:02:57



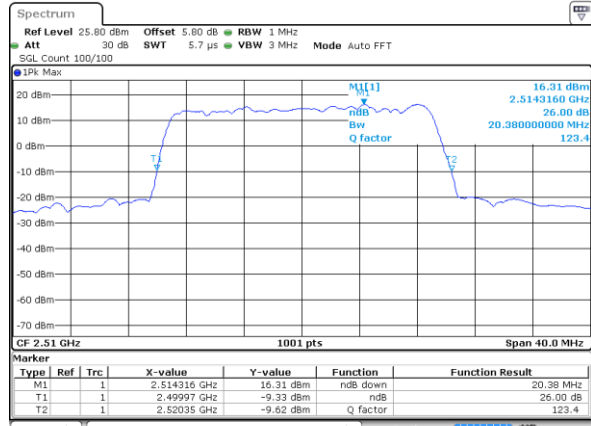
LTE Band 7

Lowest Channel / 20MHz / QPSK



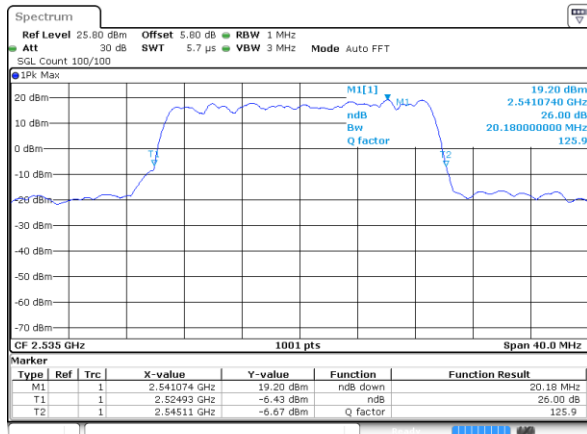
Date: 1 MAY 2020 15:18:28

Lowest Channel / 20MHz / 16QAM



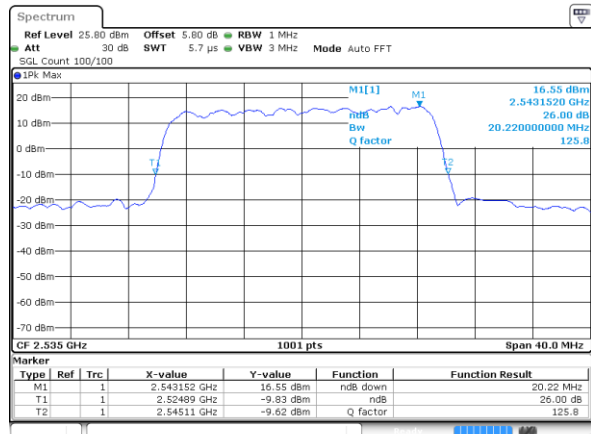
Date: 1 MAY 2020 15:18:08

Middle Channel / 20MHz / QPSK



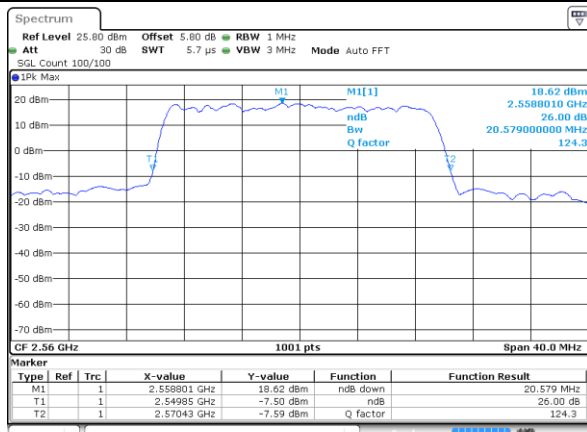
Date: 1 MAY 2020 15:18:48

Middle Channel / 20MHz / 16QAM



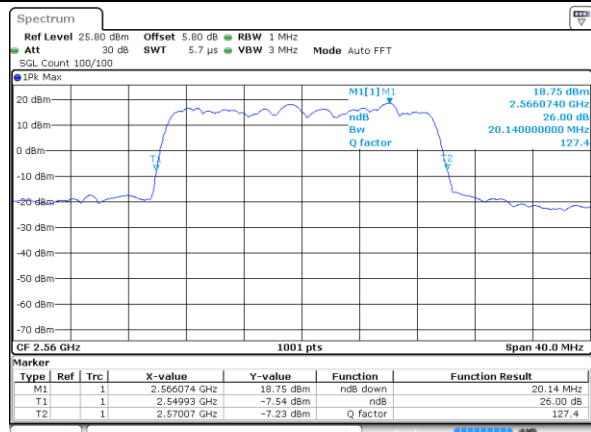
Date: 1 MAY 2020 15:50:23

Highest Channel / 20MHz / QPSK



Date: 1 MAY 2020 15:19:48

Highest Channel / 20MHz / 16QAM



Date: 1 MAY 2020 15:19:28



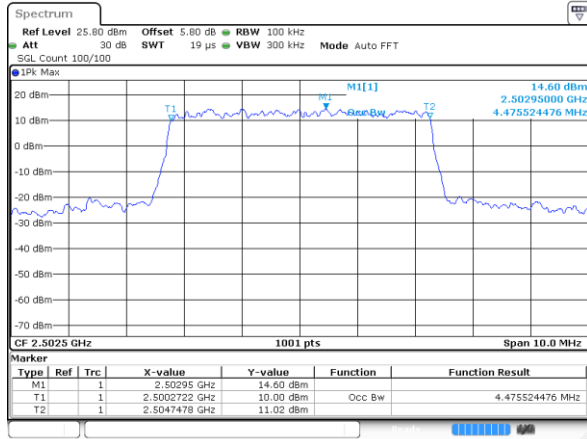
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
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

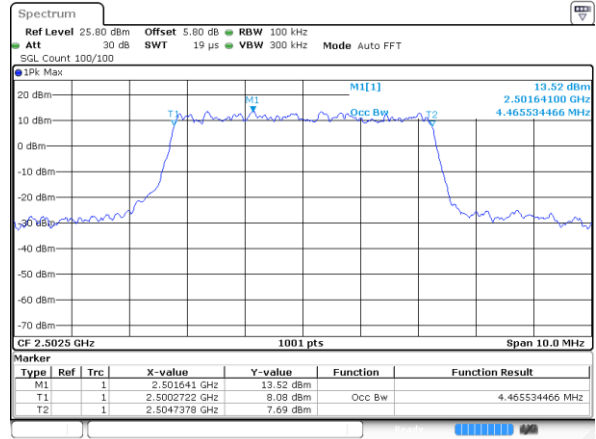


LTE Band 7

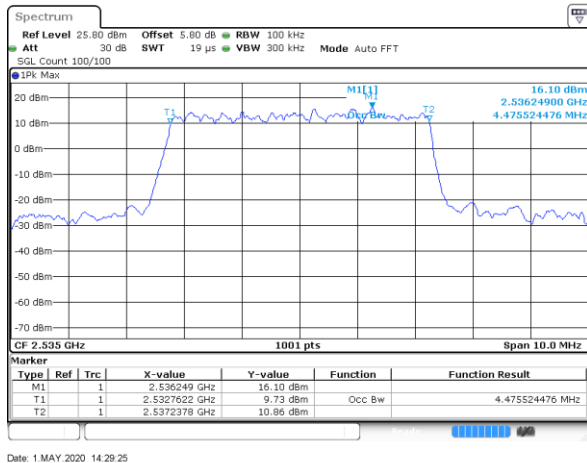
Lowest Channel / 5MHz / QPSK



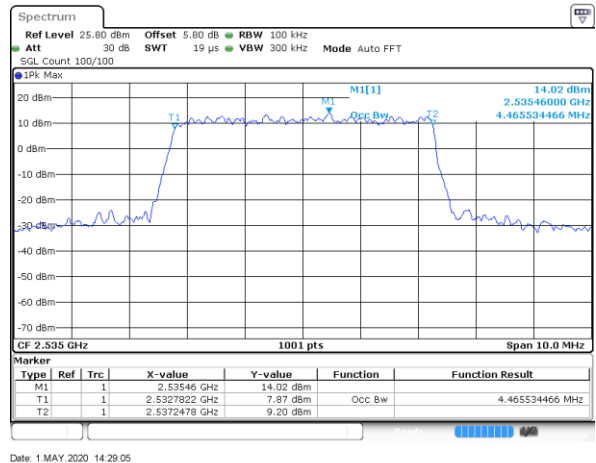
Lowest Channel / 5MHz / 16QAM



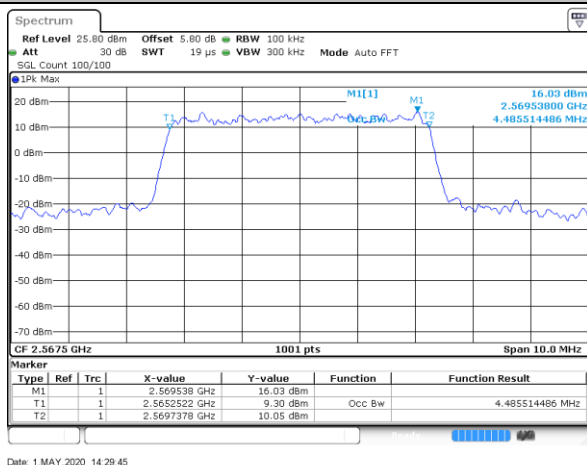
Middle Channel / 5MHz / QPSK



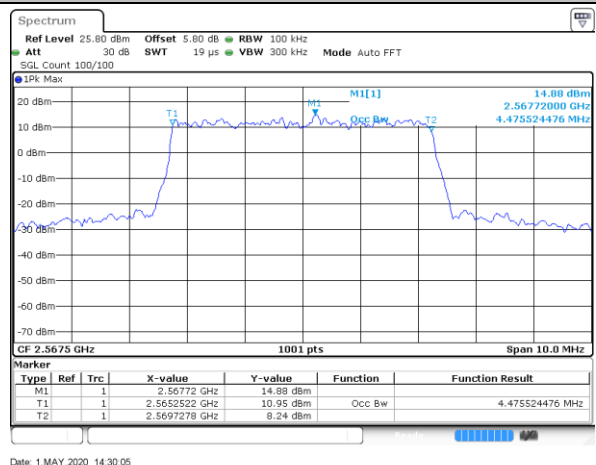
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



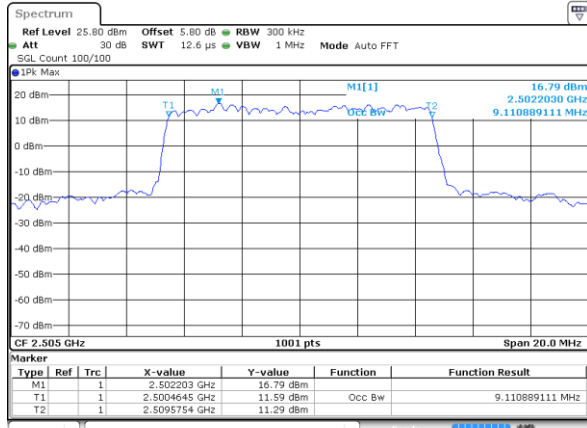
Highest Channel / 5MHz / 16QAM





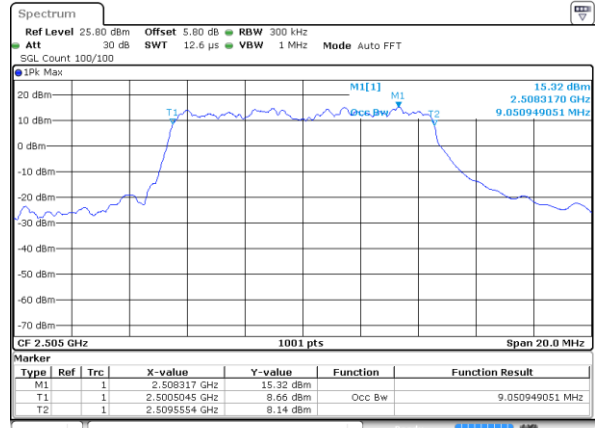
LTE Band 7

Lowest Channel / 10MHz / QPSK



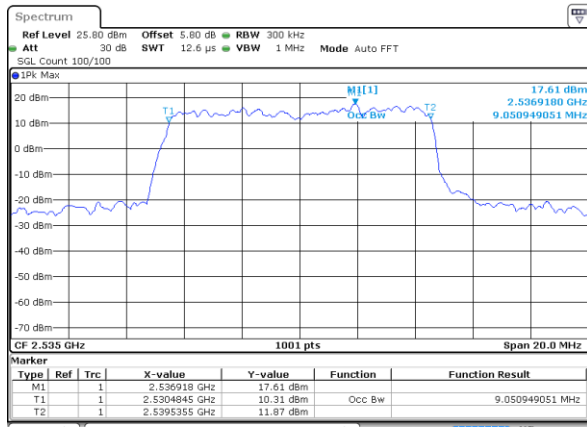
Date: 1 MAY 2020 14:44:56

Lowest Channel / 10MHz / 16QAM



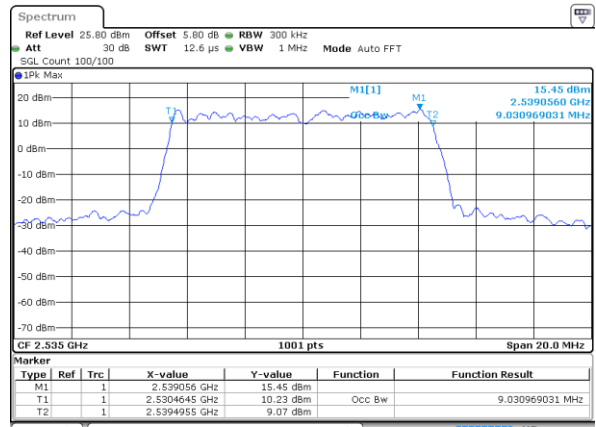
Date: 1 MAY 2020 14:45:17

Middle Channel / 10MHz / QPSK



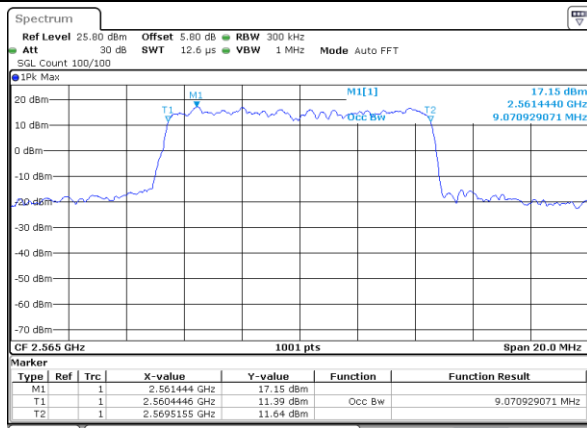
Date: 1 MAY 2020 14:45:57

Middle Channel / 10MHz / 16QAM



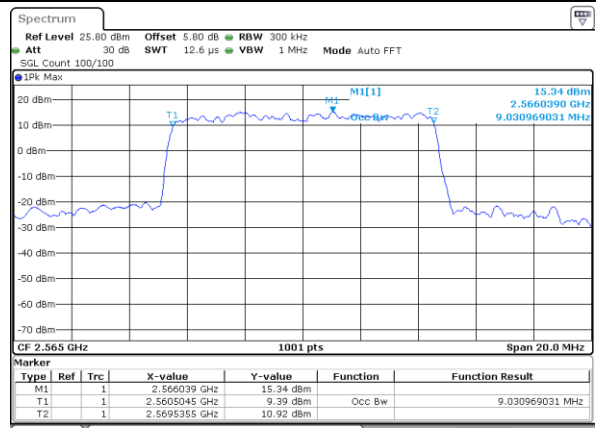
Date: 1 MAY 2020 14:45:37

Highest Channel / 10MHz / QPSK



Date: 1 MAY 2020 14:46:17

Highest Channel / 10MHz / 16QAM

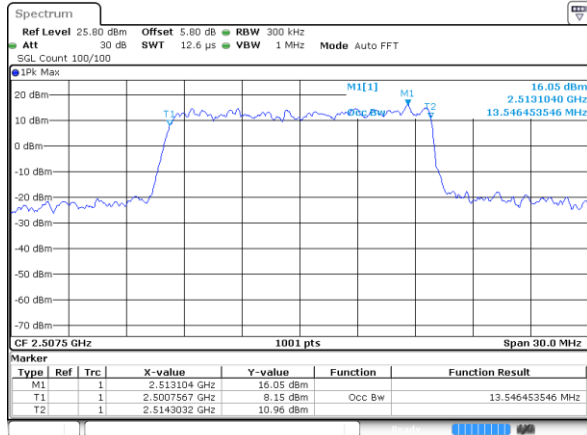


Date: 1 MAY 2020 14:46:37

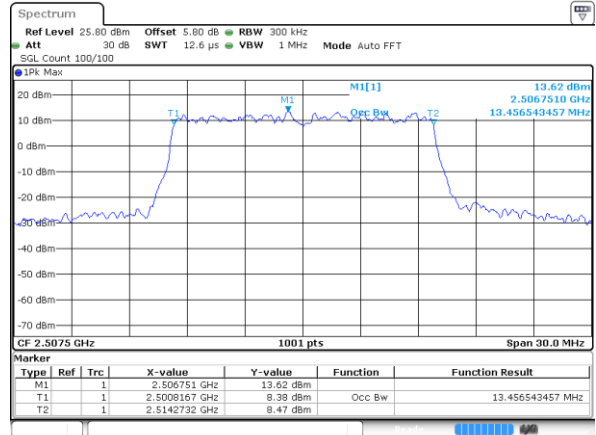


LTE Band 7

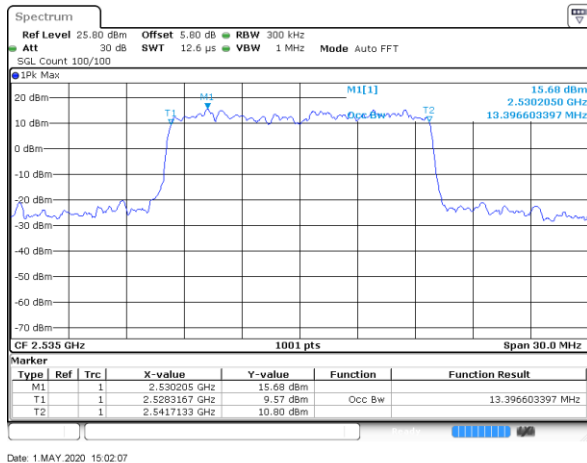
Lowest Channel / 15MHz / QPSK



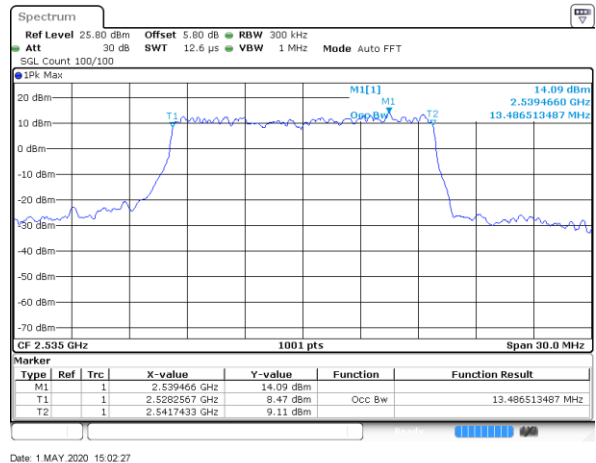
Lowest Channel / 15MHz / 16QAM



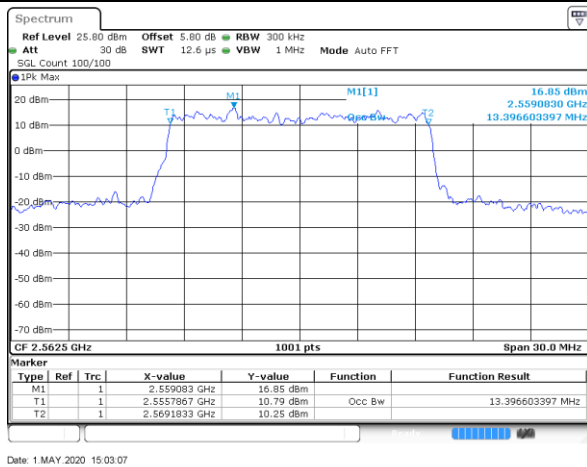
Middle Channel / 15MHz / QPSK



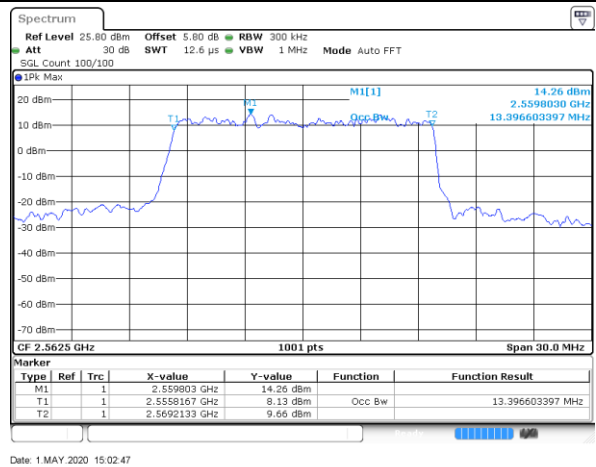
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



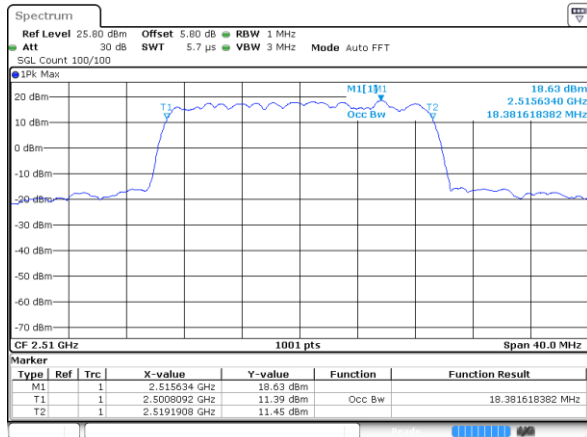
Highest Channel / 15MHz / 16QAM





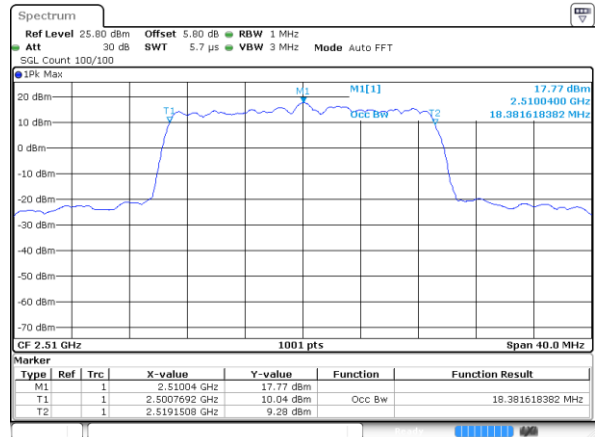
LTE Band 7

Lowest Channel / 20MHz / QPSK



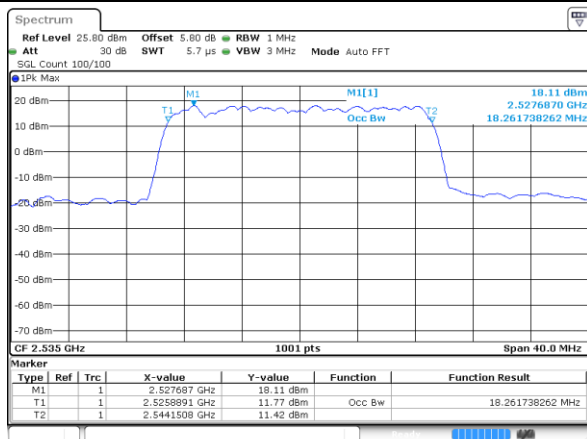
Date: 1 MAY 2020 15:18:18

Lowest Channel / 20MHz / 16QAM



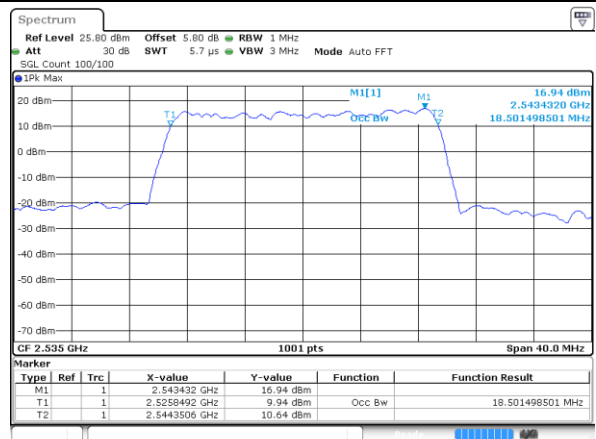
Date: 1 MAY 2020 15:17:58

Middle Channel / 20MHz / QPSK



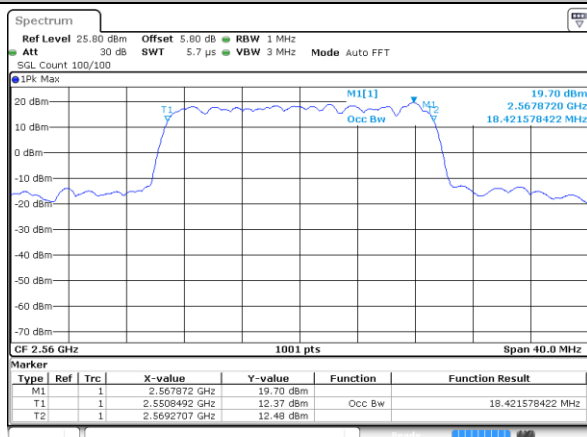
Date: 1 MAY 2020 15:18:38

Middle Channel / 20MHz / 16QAM



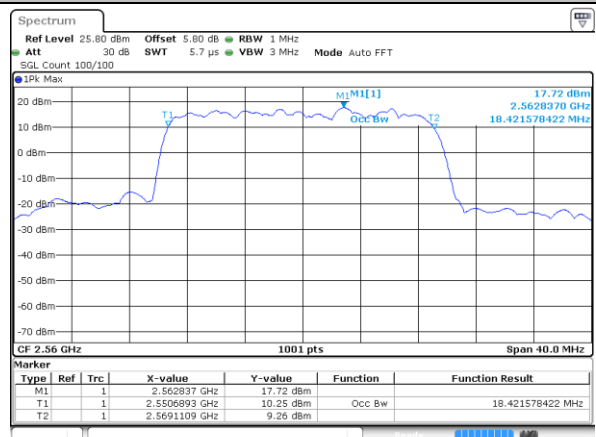
Date: 1 MAY 2020 15:18:58

Highest Channel / 20MHz / QPSK



Date: 1 MAY 2020 15:19:38

Highest Channel / 20MHz / 16QAM



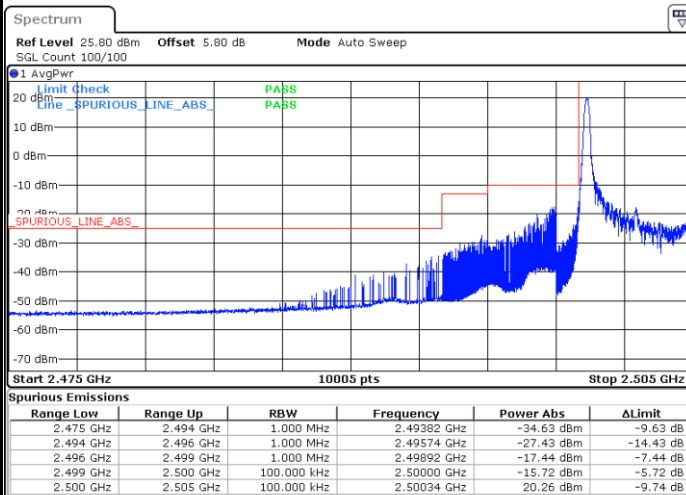
Date: 1 MAY 2020 15:19:18



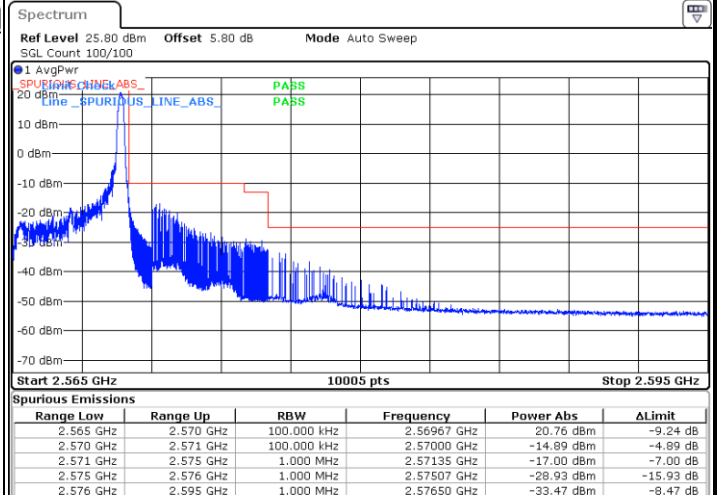
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

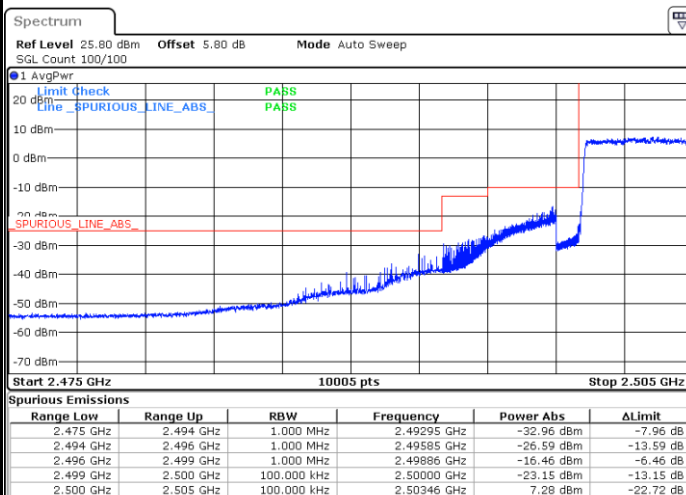
Lowest Band Edge / 1 RB



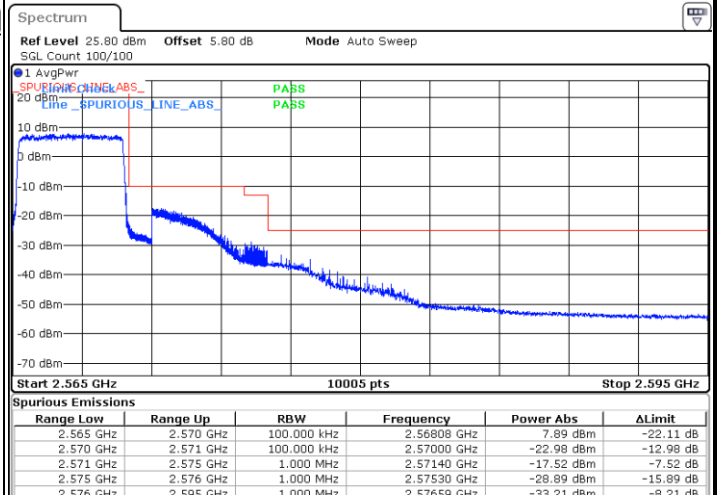
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



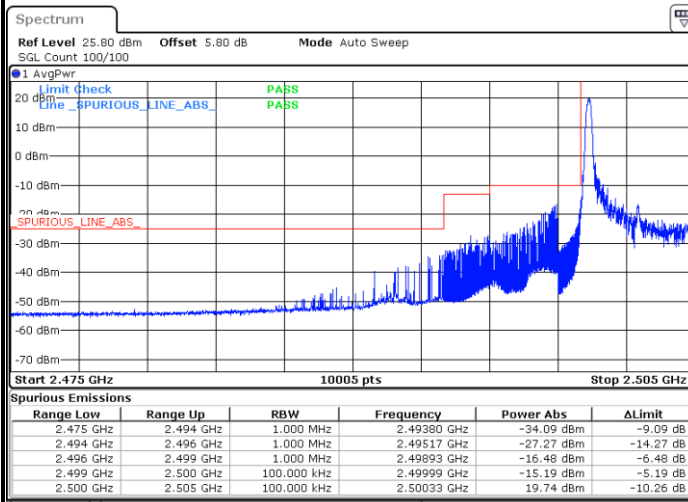
Highest Band Edge / Full RB



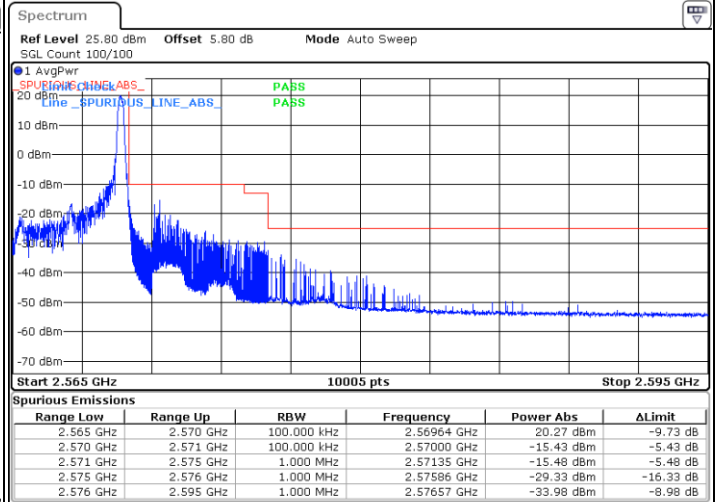


LTE Band 7 / 5MHz / 16QAM

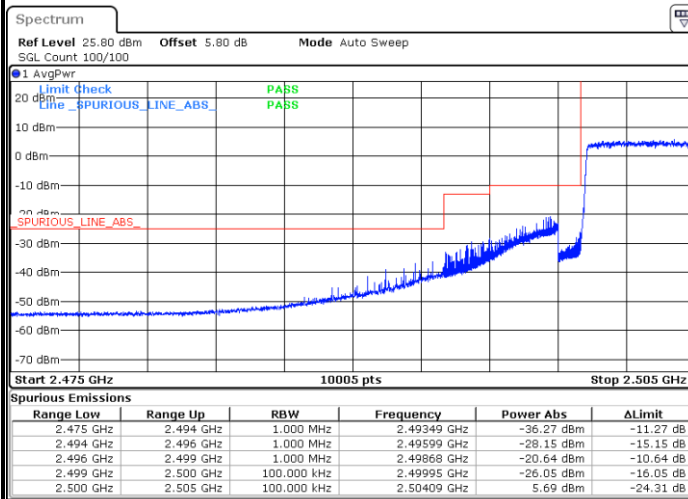
Lowest Band Edge / 1 RB



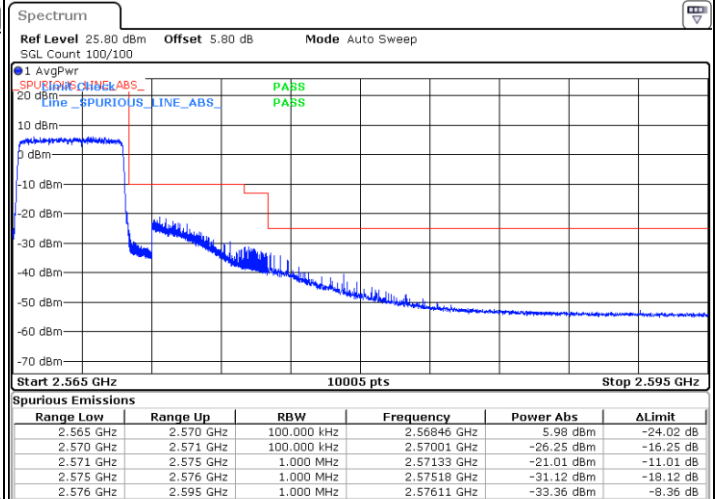
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



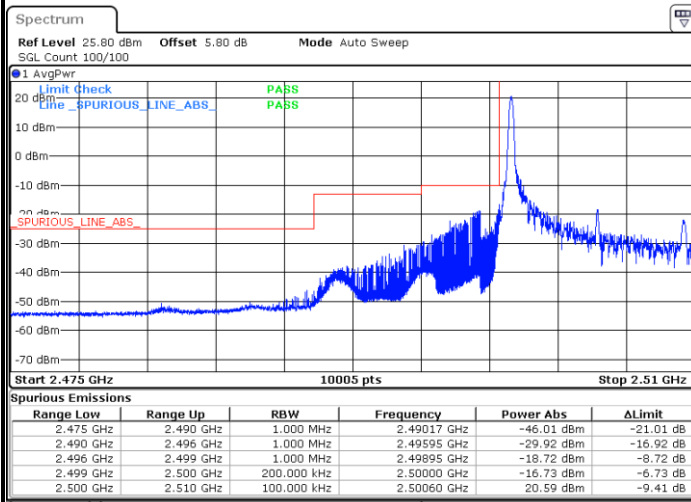
Highest Band Edge / Full RB



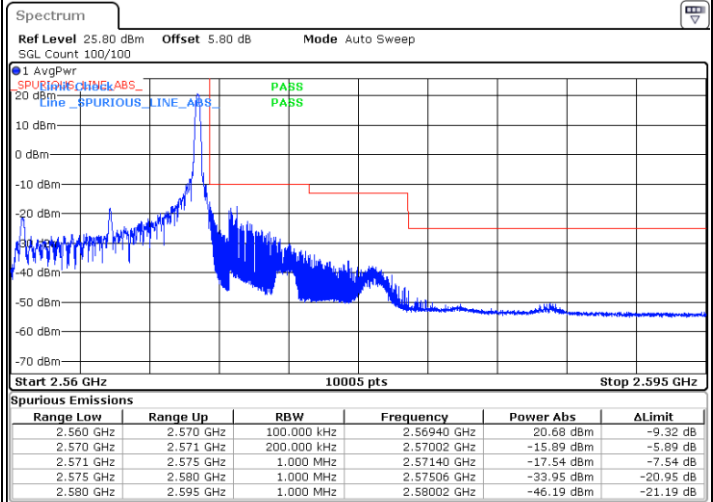


LTE Band 7 / 10MHz / QPSK

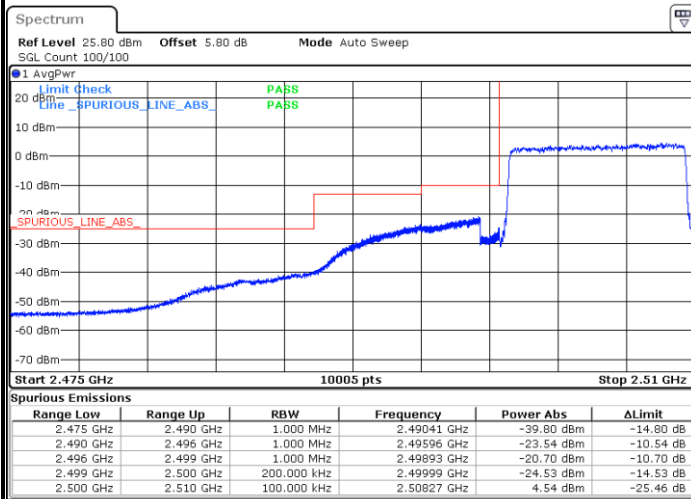
Lowest Band Edge / 1 RB



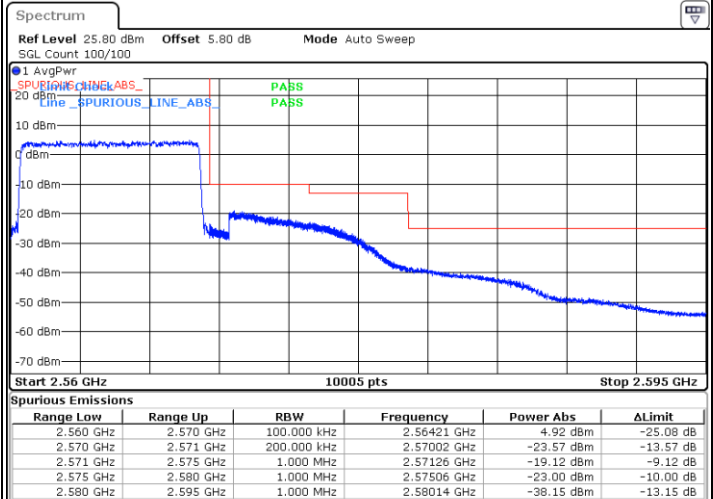
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



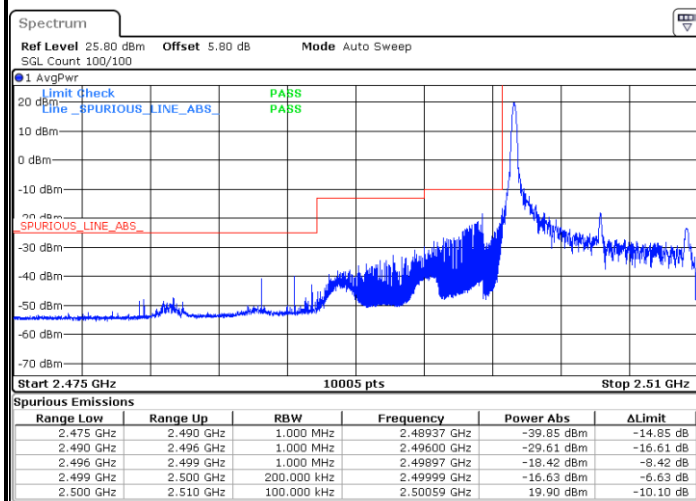
Highest Band Edge / Full RB



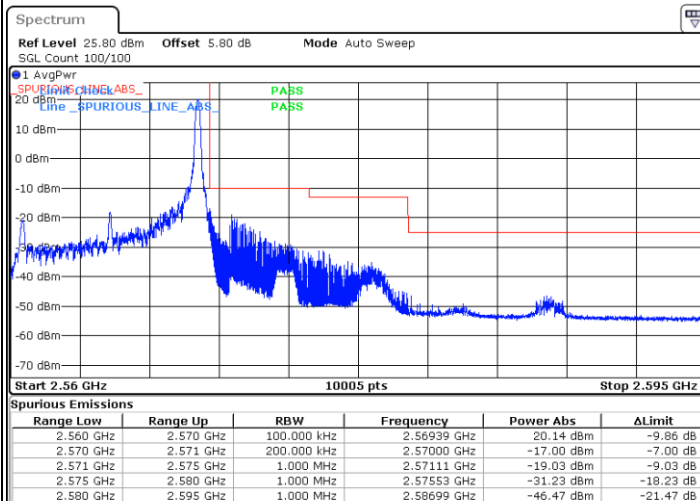


LTE Band 7 / 10MHz / 16QAM

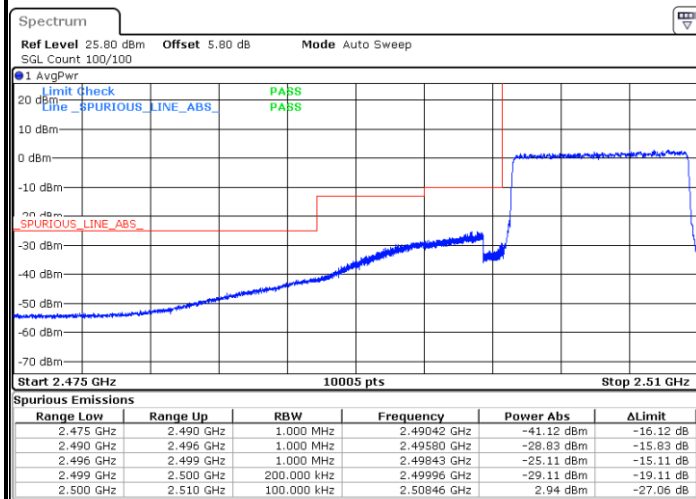
Lowest Band Edge / 1 RB



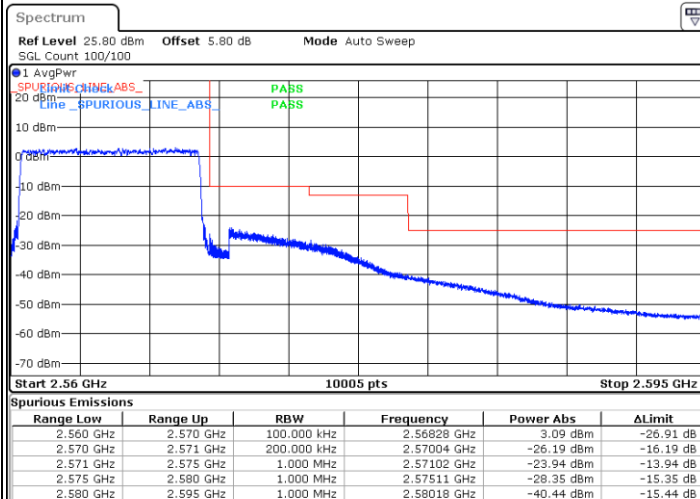
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



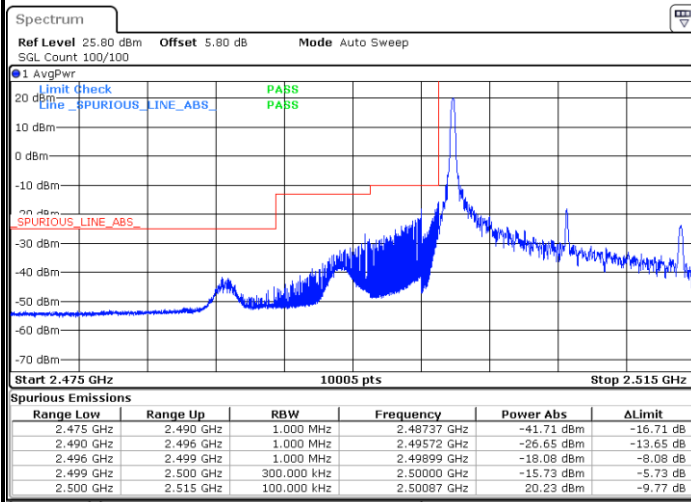
Highest Band Edge / Full RB



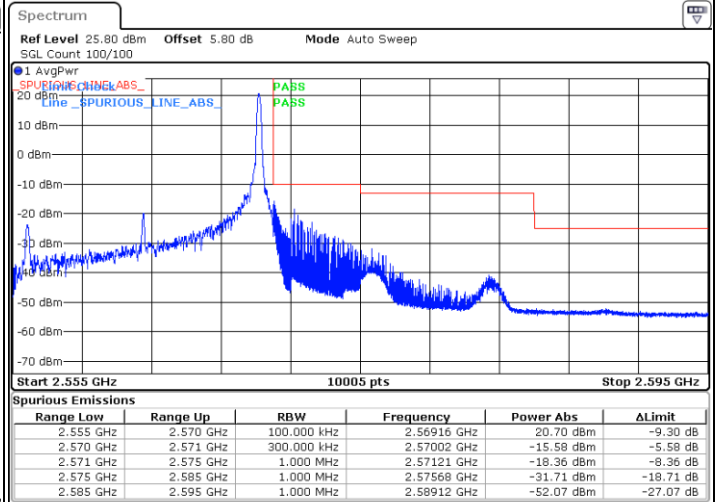


LTE Band 7 / 15MHz / QPSK

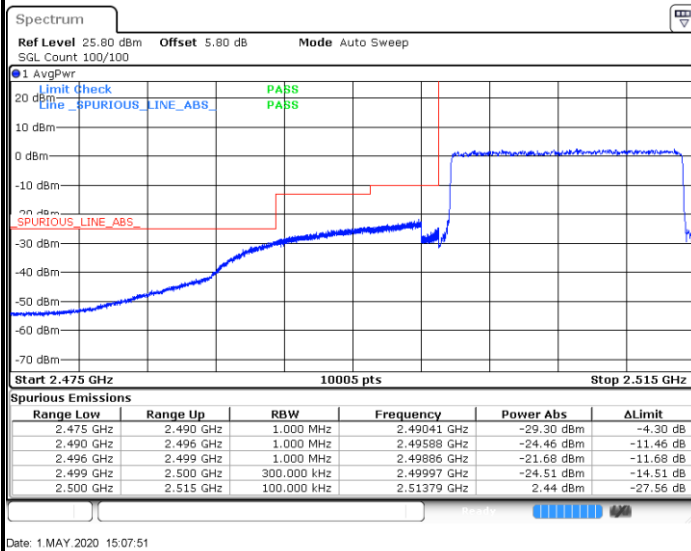
Lowest Band Edge / 1 RB



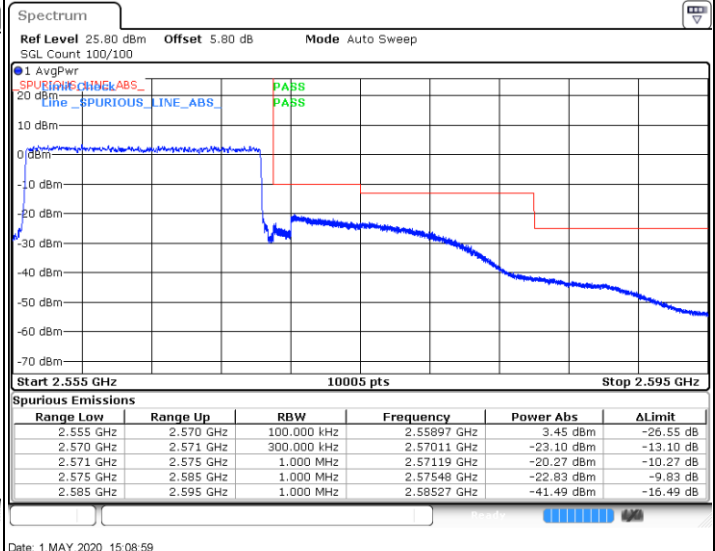
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



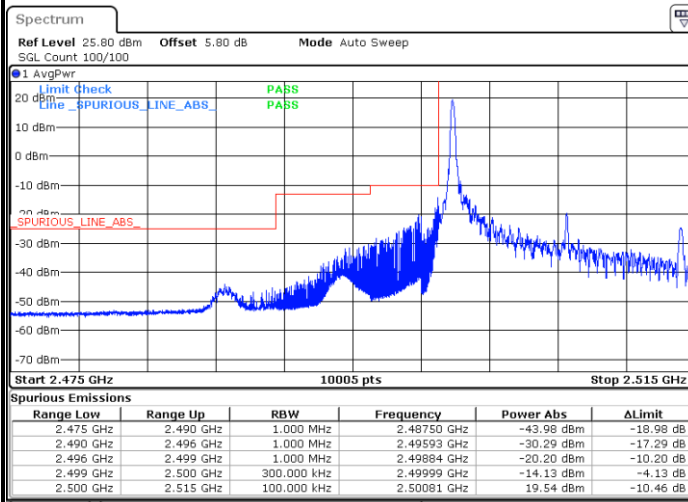
Highest Band Edge / Full RB



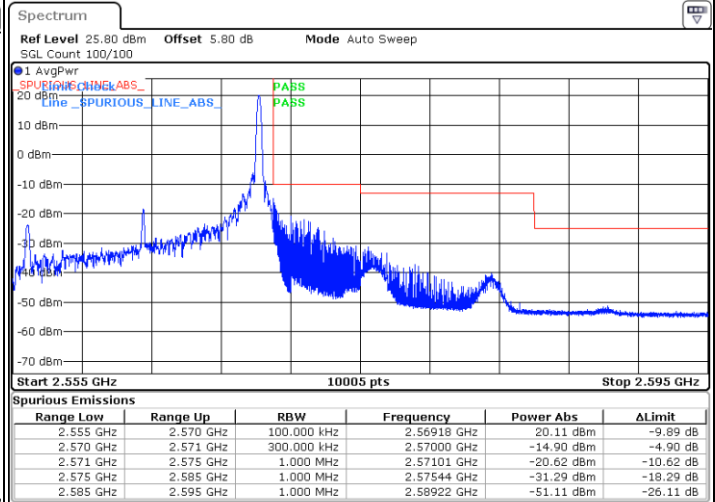


LTE Band 7 / 15MHz / 16QAM

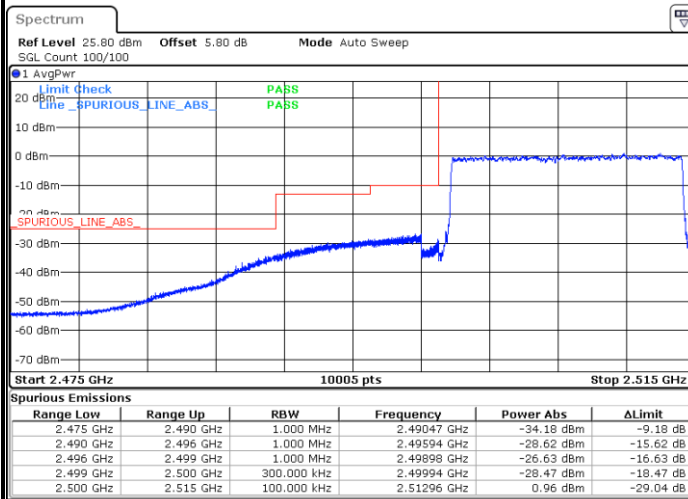
Lowest Band Edge / 1 RB



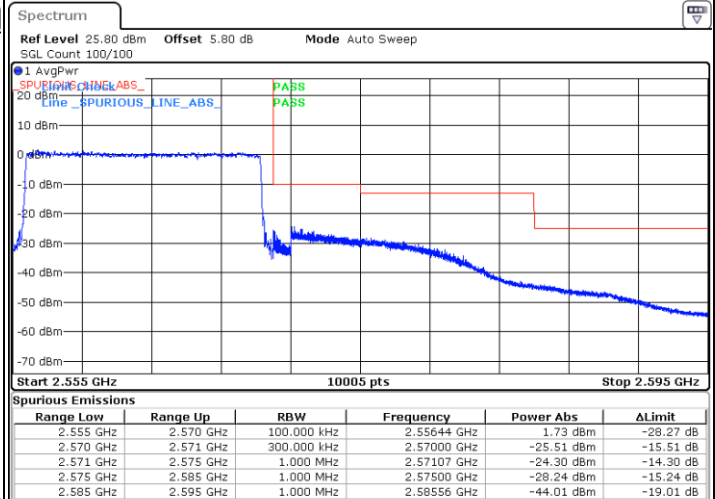
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



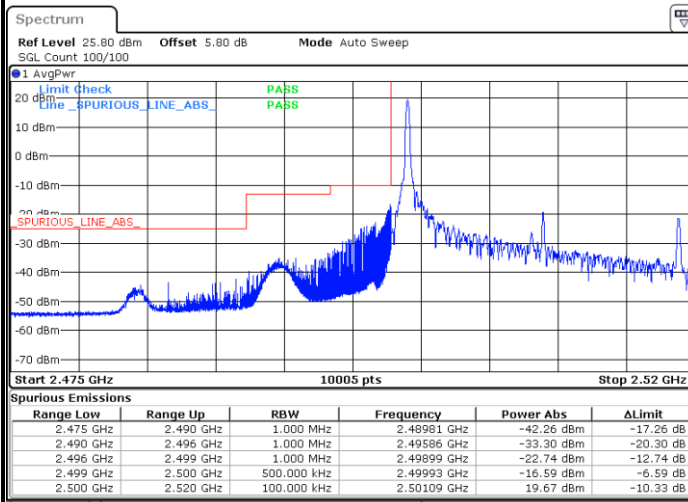
Highest Band Edge / Full RB



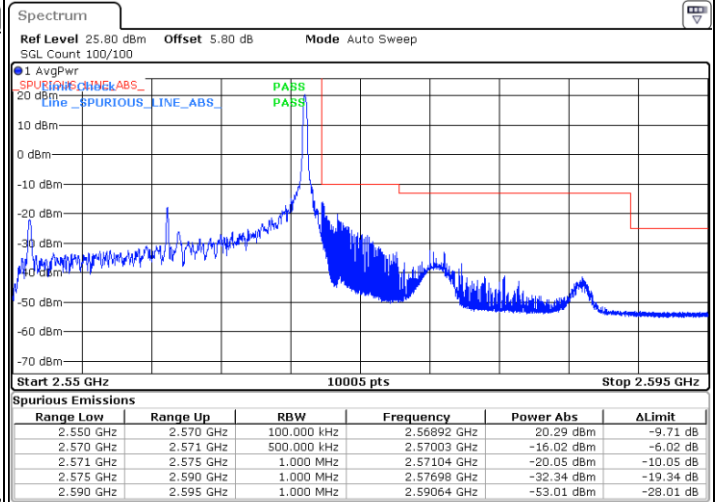


LTE Band 7 / 20MHz / QPSK

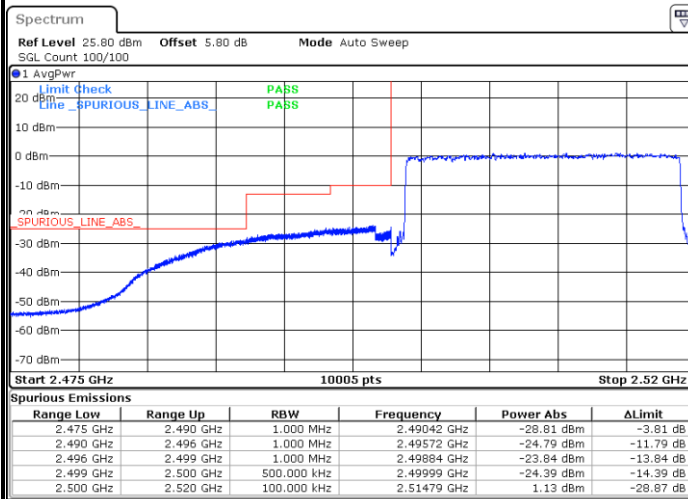
Lowest Band Edge / 1 RB



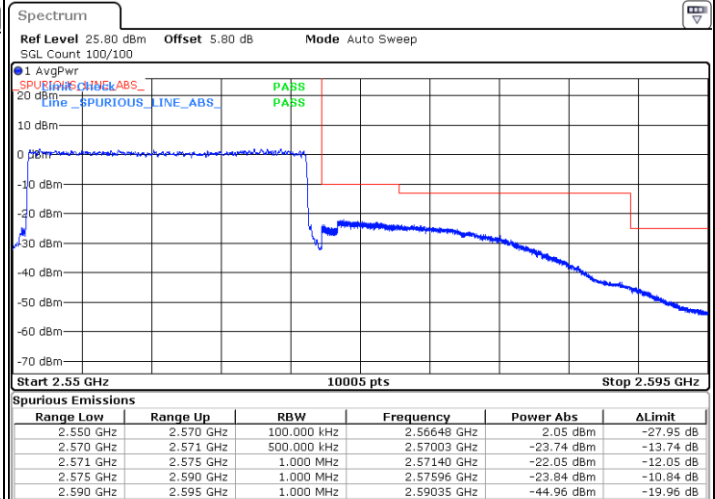
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



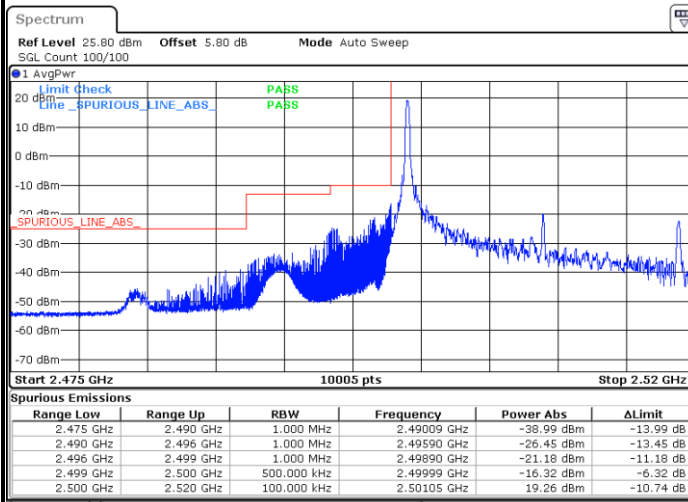
Highest Band Edge / Full RB



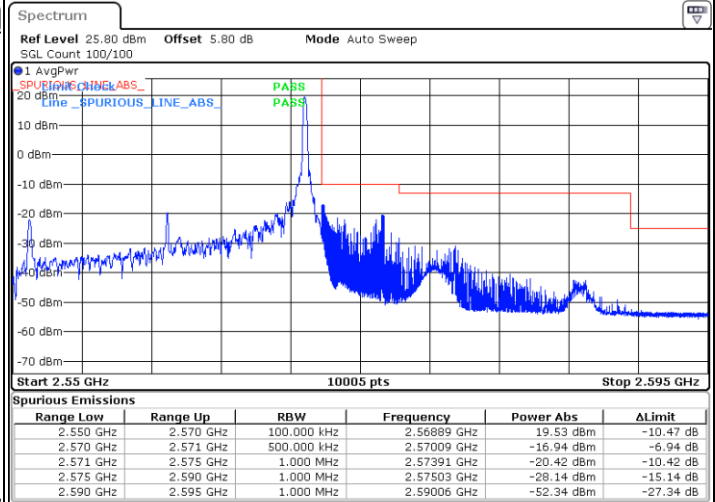


LTE Band 7 / 20MHz / 16QAM

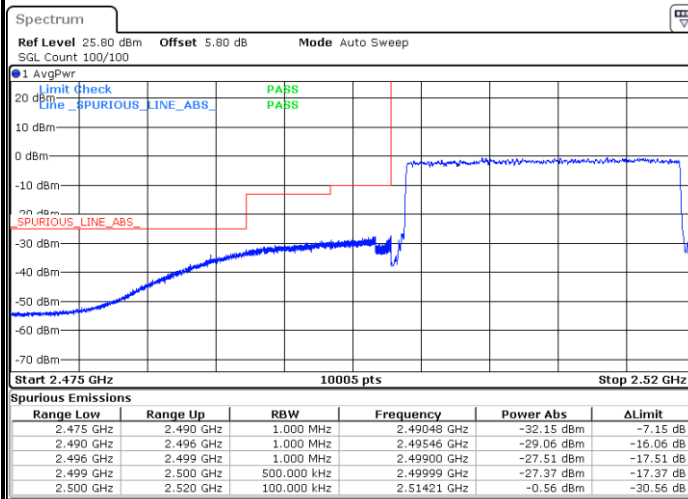
Lowest Band Edge / 1 RB



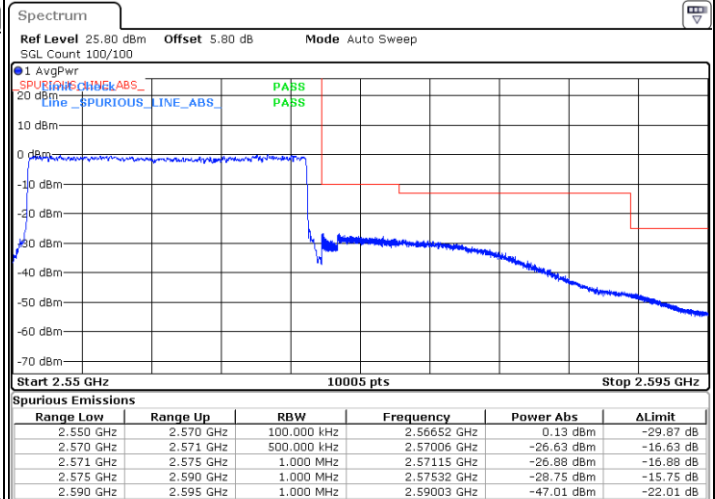
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

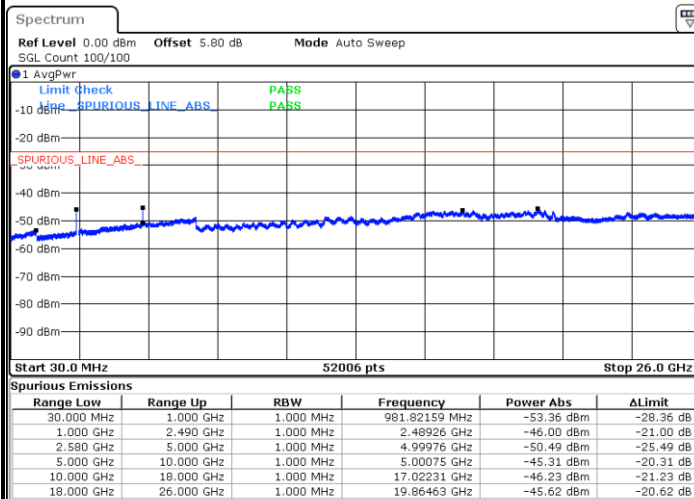




Conducted Spurious Emission

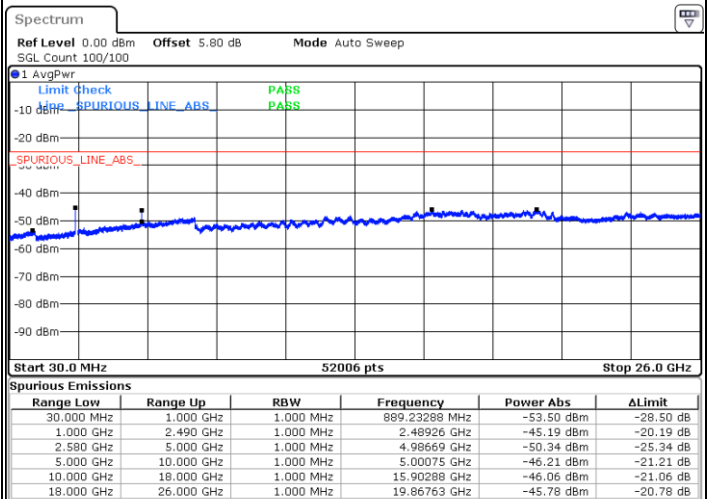
LTE Band 7 / 5MHz

Lowest Channel / QPSK



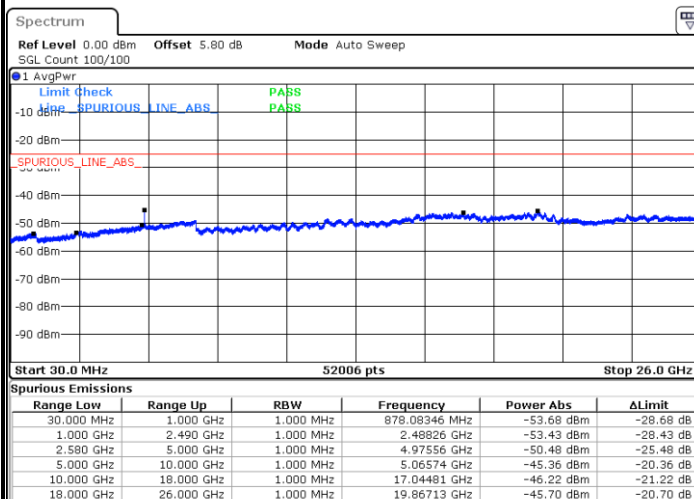
Date: 1.MAY.2020 14:40:15

Lowest Channel / 16QAM



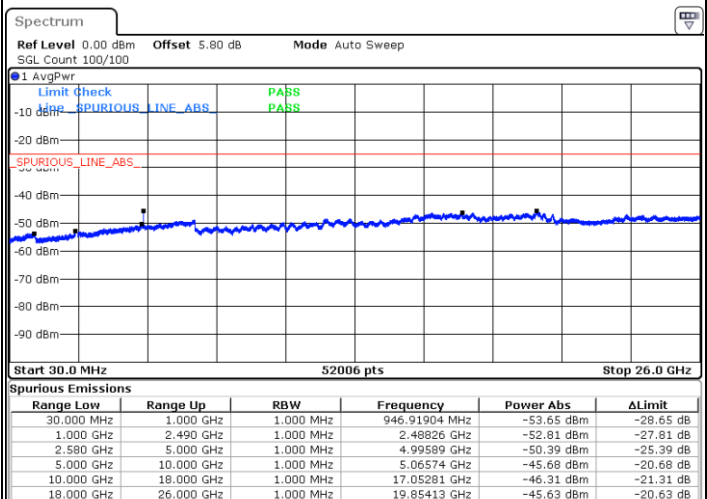
Date: 1.MAY.2020 14:41:09

Middle Channel / QPSK



Date: 1.MAY.2020 14:42:57

Middle Channel / 16QAM

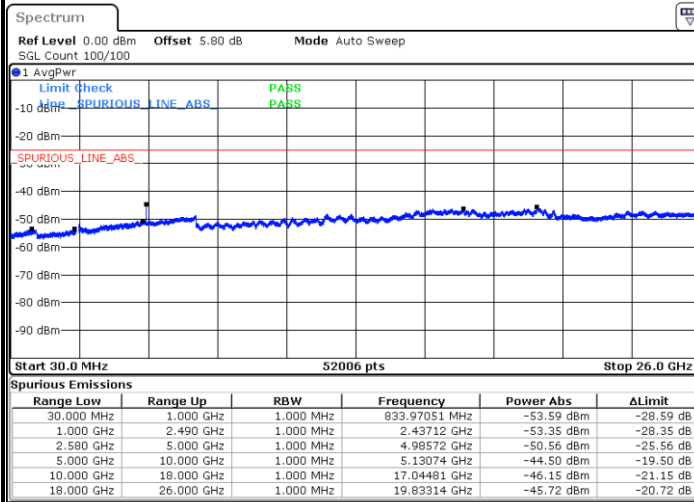


Date: 1.MAY.2020 14:42:03



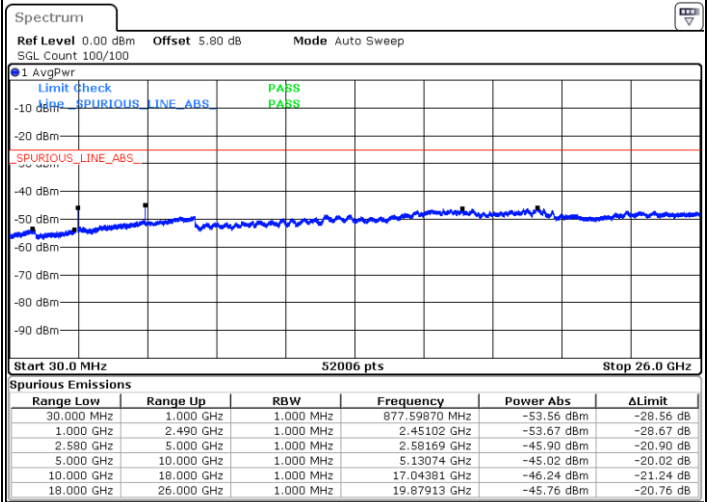
LTE Band 7 / 5MHz

Highest Channel / QPSK



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

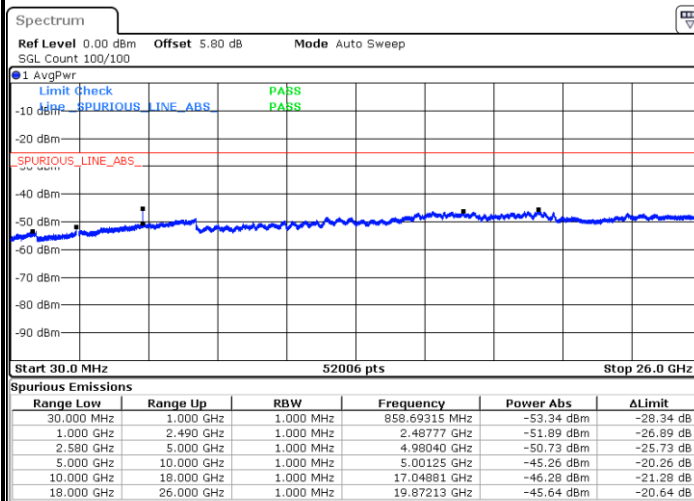
Highest Channel / 16QAM



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

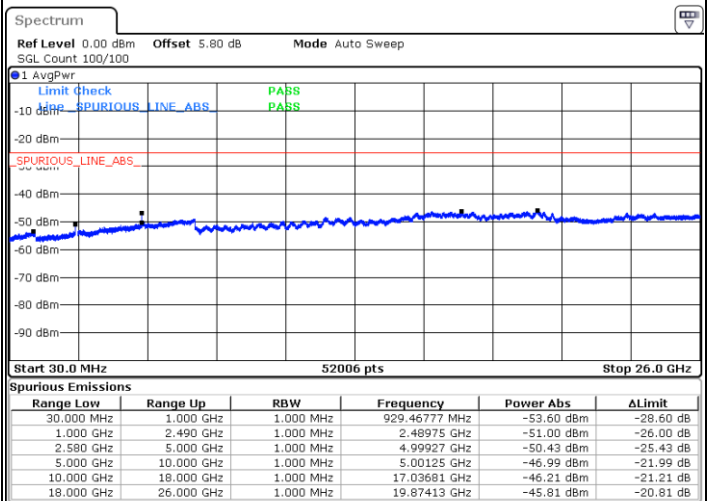
LTE Band 7 / 10MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM



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