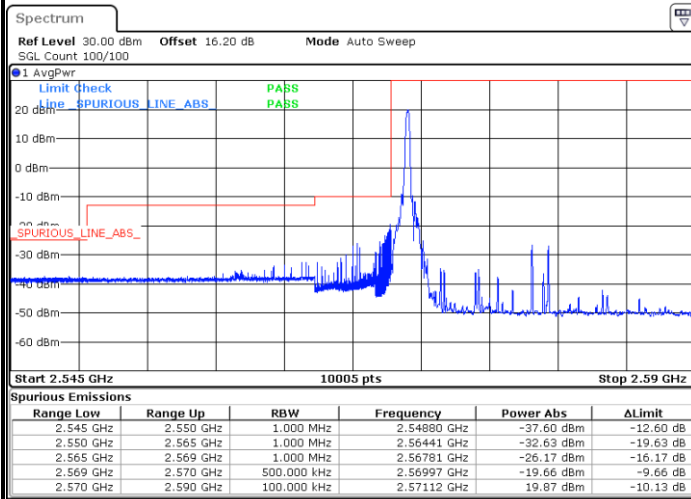


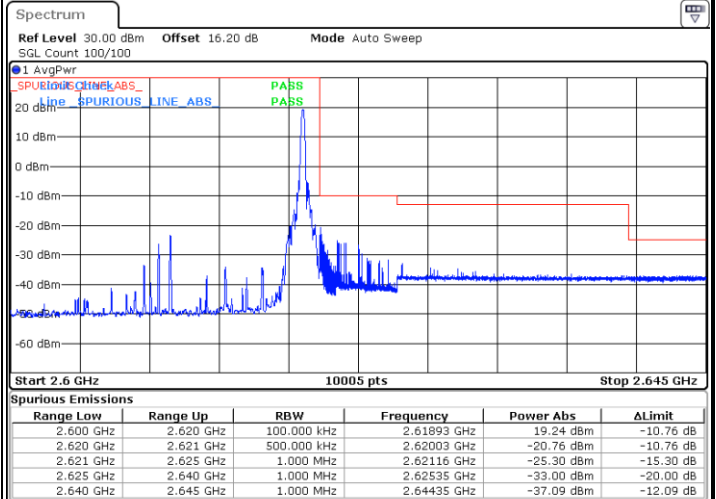


LTE Band 38 / 20MHz / 16QAM

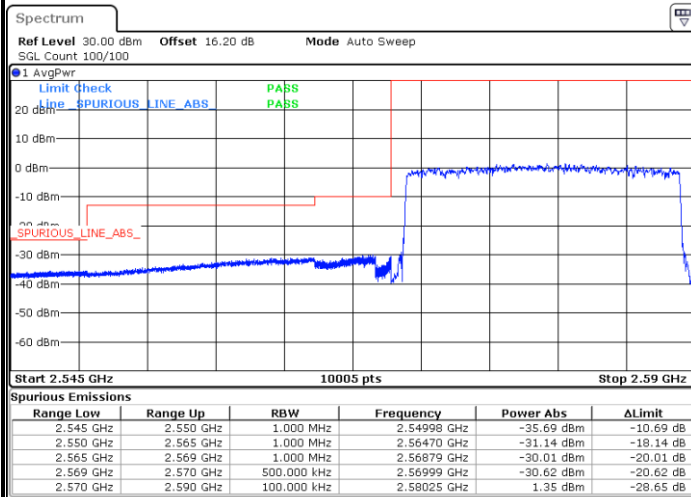
Lowest Band Edge / 1 RB



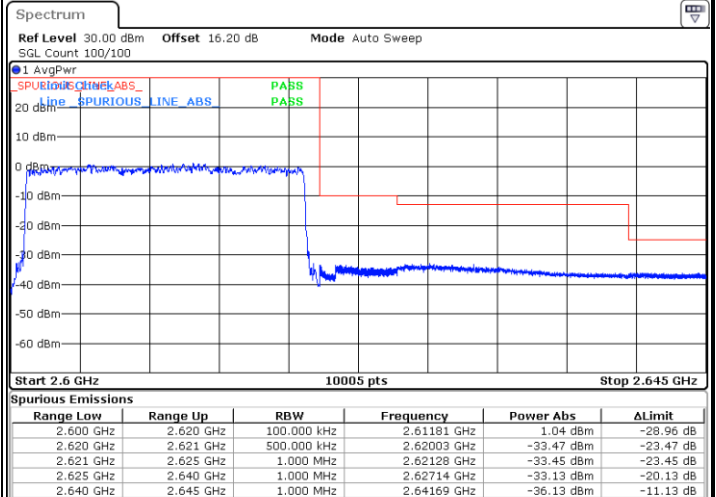
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



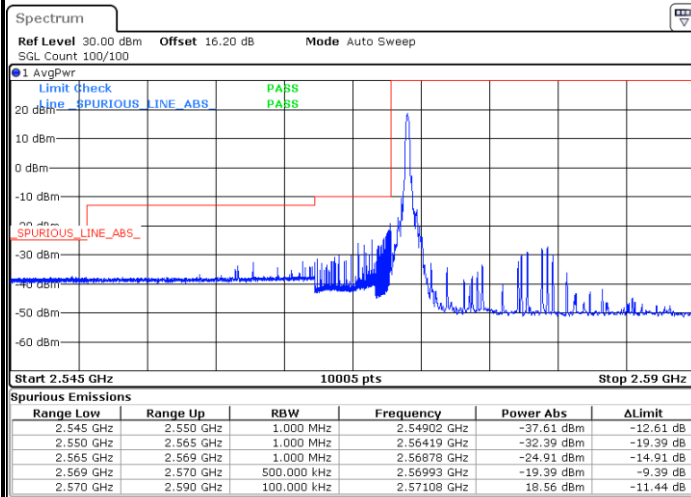
Highest Band Edge / Full RB



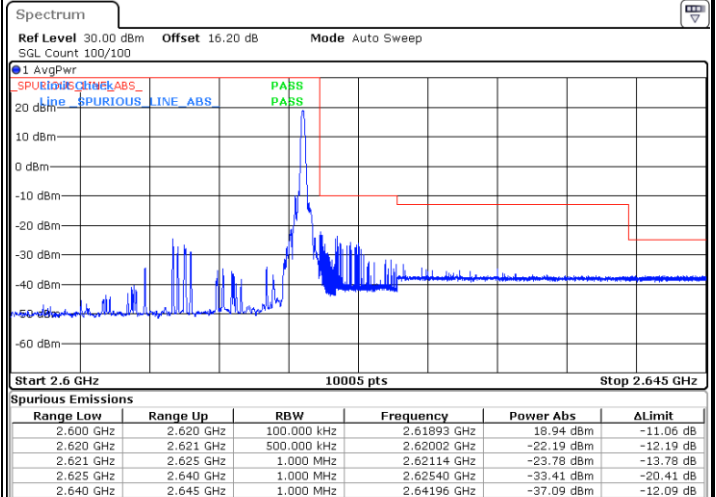


LTE Band 38 / 20MHz / 64QAM

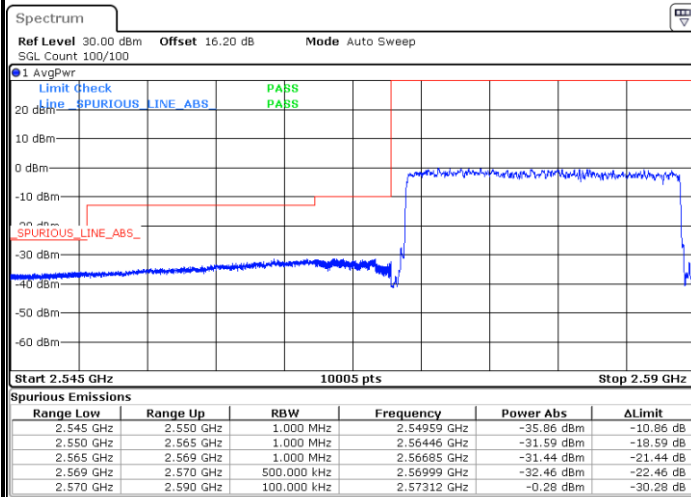
Lowest Band Edge / 1 RB



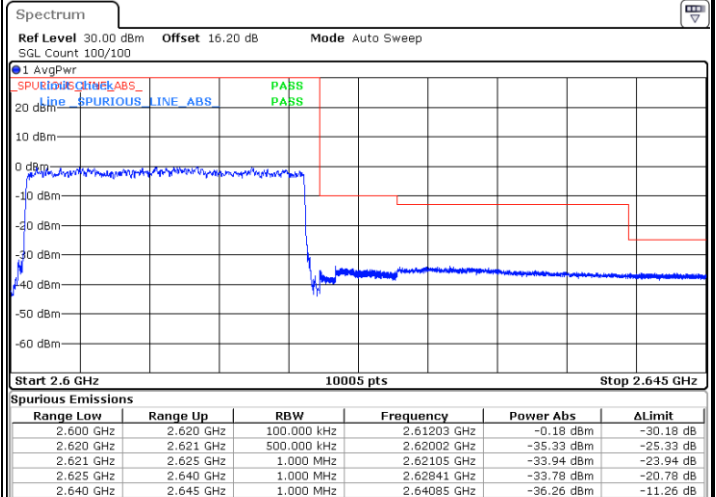
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

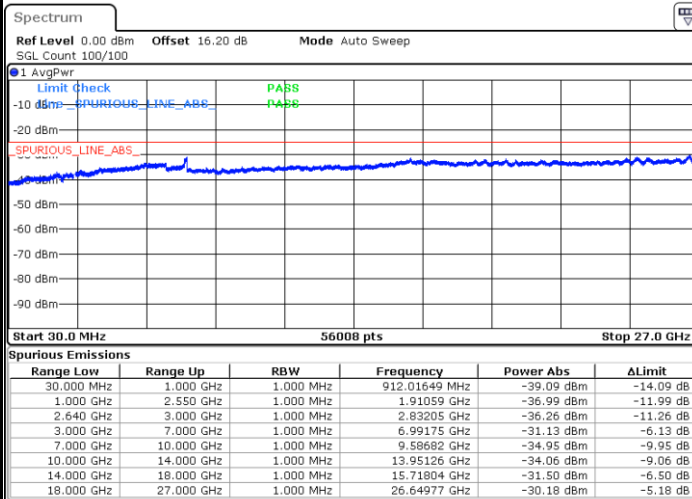




Conducted Spurious Emission

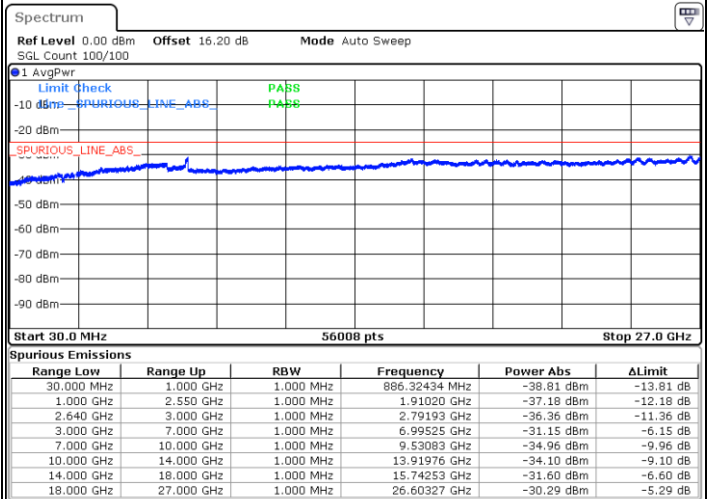
LTE Band 38 / 5MHz

Lowest Channel / QPSK



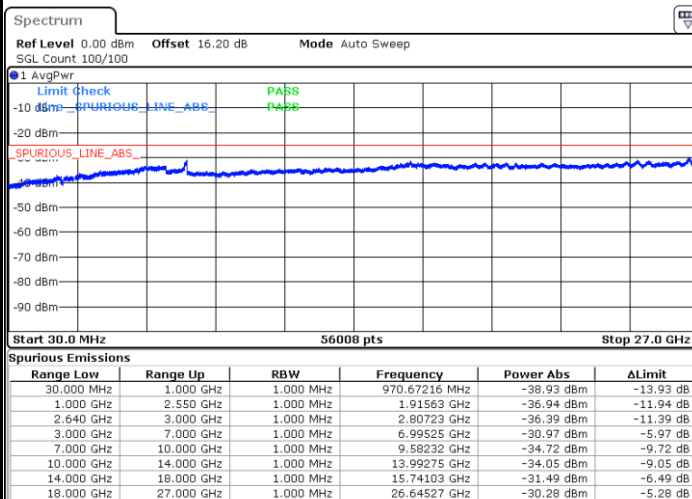
Date: 20.APR.2020 18:45:38

Lowest Channel / 16QAM



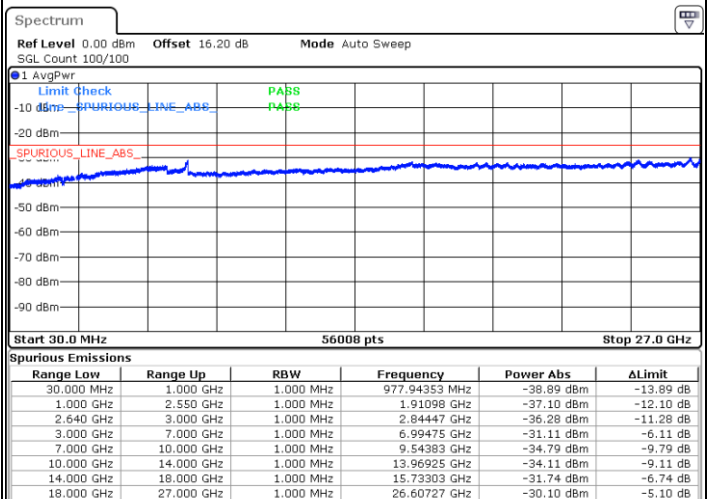
Date: 20.APR.2020 18:46:30

Middle Channel / QPSK



Date: 20.APR.2020 18:47:22

Middle Channel / 16QAM

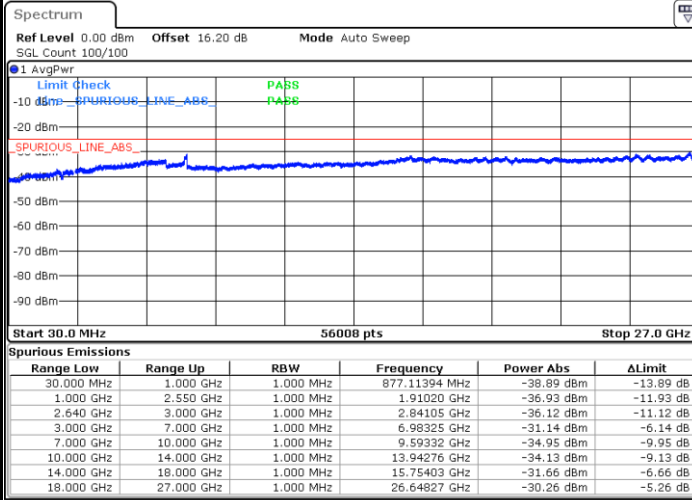


Date: 20.APR.2020 18:55:23



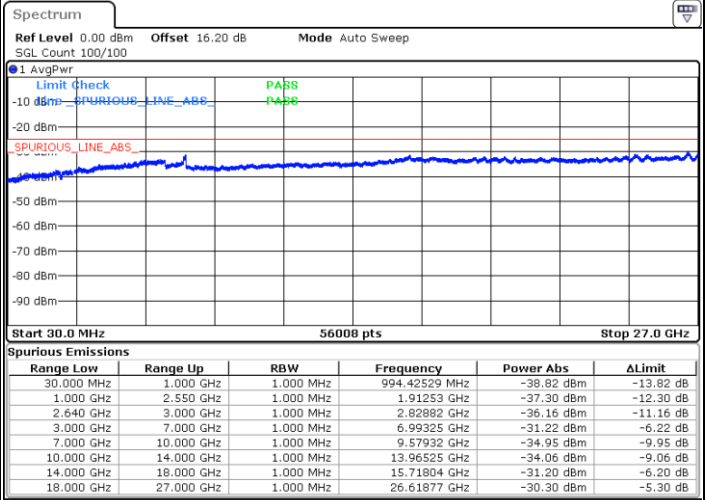
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 20.APR.2020 18:56:14

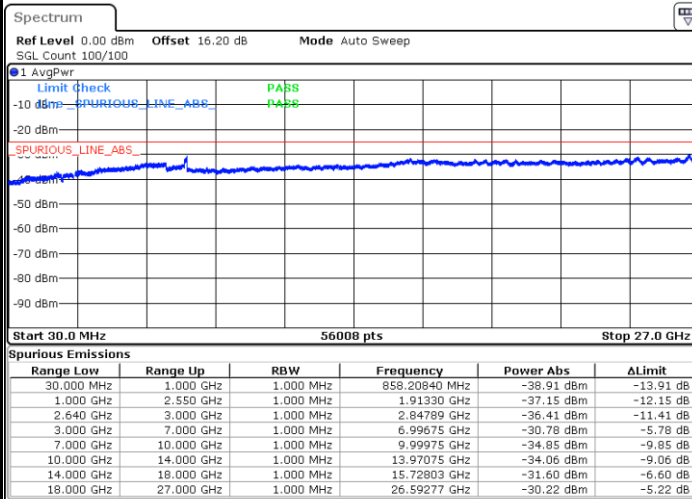
Highest Channel / 16QAM



Date: 20.APR.2020 18:57:06

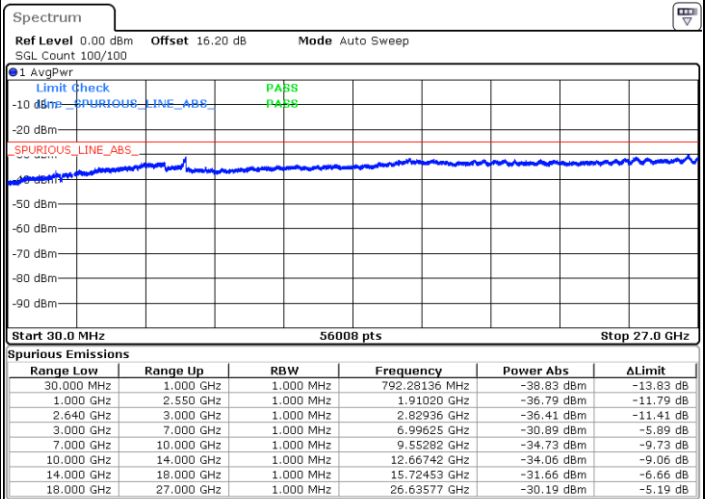
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 20.APR.2020 19:00:34

Lowest Channel / 16QAM

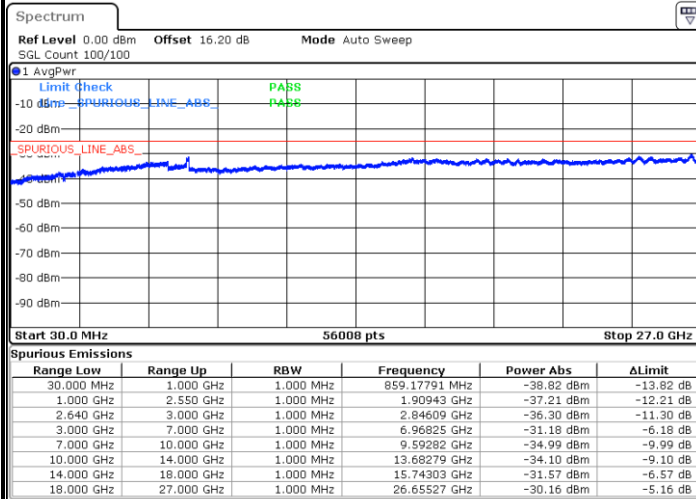


Date: 20.APR.2020 19:01:26



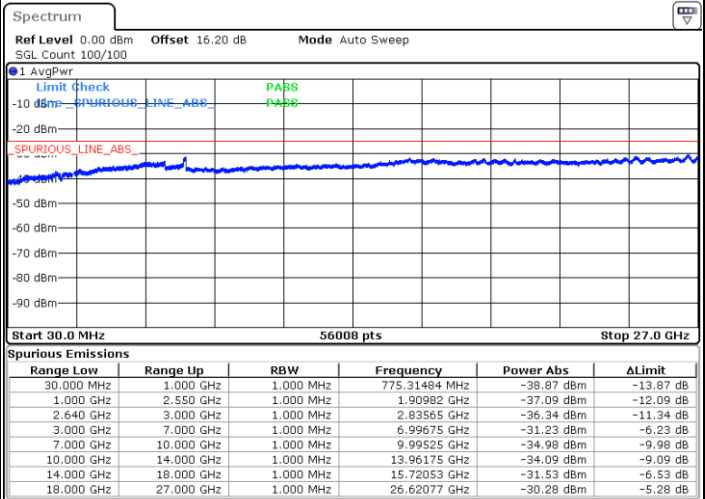
LTE Band 38 / 10MHz

Middle Channel / QPSK



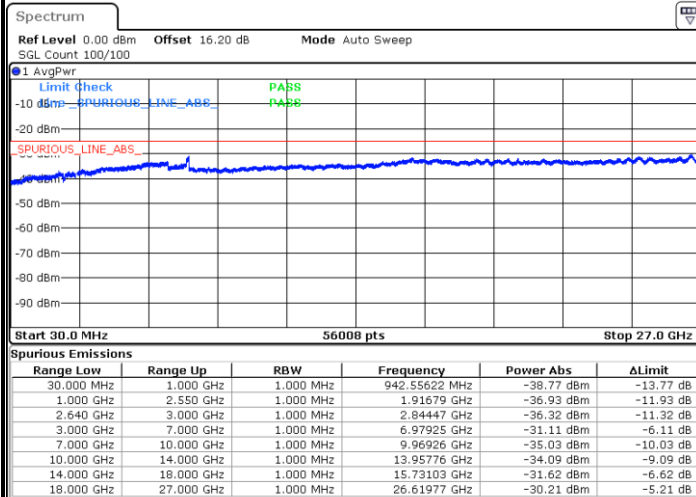
Date: 20.APR.2020 19:02:18

Middle Channel / 16QAM



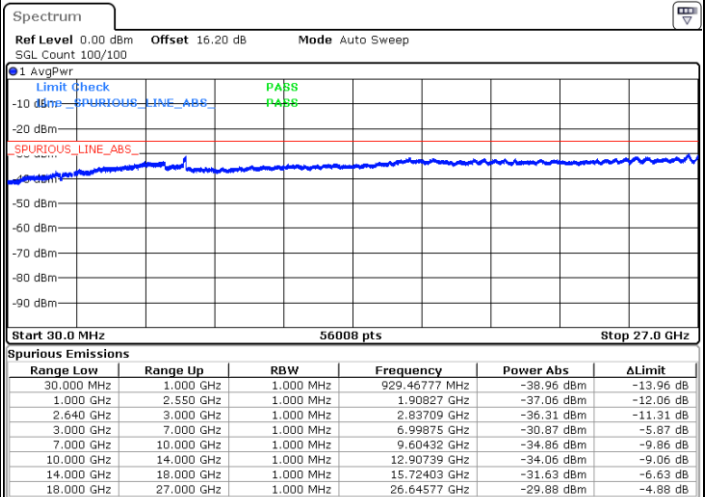
Date: 20.APR.2020 19:03:09

Highest Channel / QPSK



Date: 20.APR.2020 19:04:00

Highest Channel / 16QAM

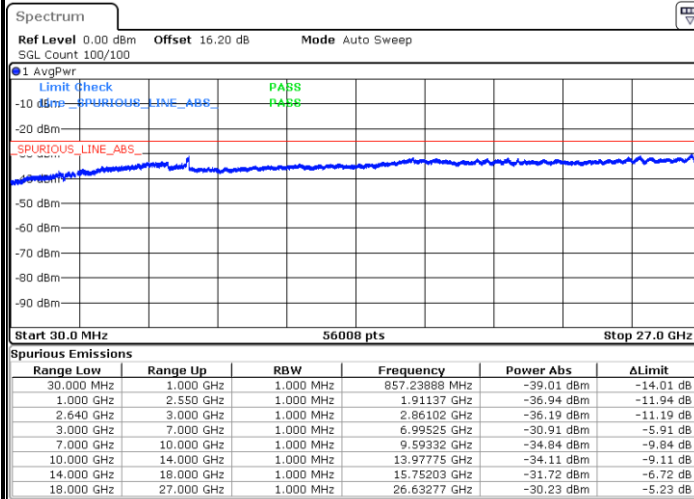


Date: 20.APR.2020 19:04:53



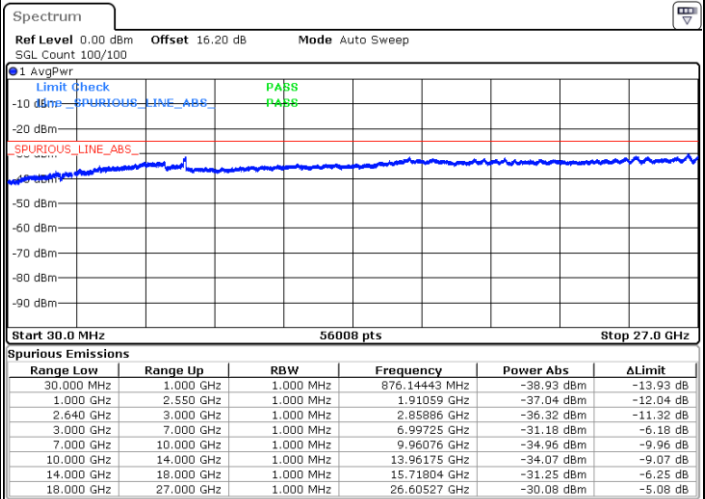
LTE Band 38 / 15MHz

Lowest Channel / QPSK



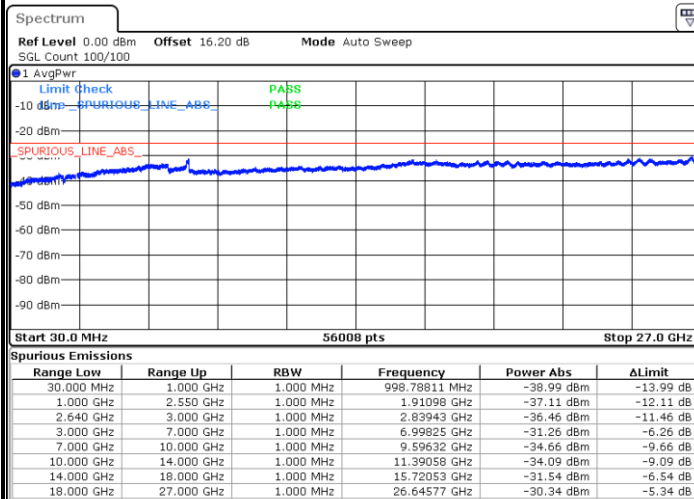
Date: 20.APR.2020 19:05:45

Lowest Channel / 16QAM



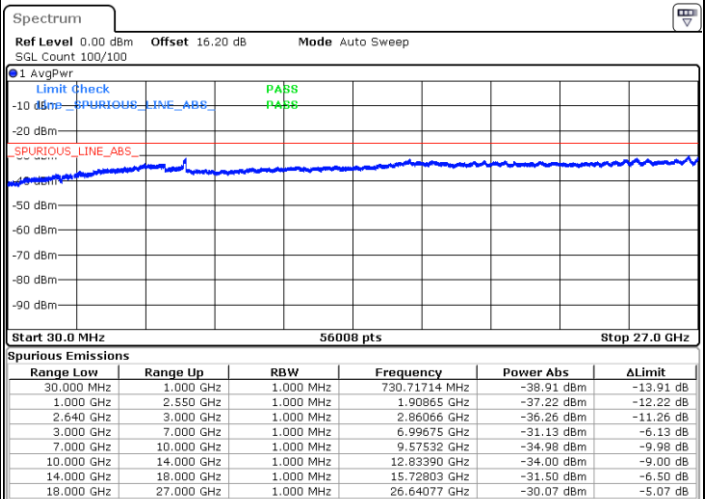
Date: 20.APR.2020 19:06:37

Middle Channel / QPSK



Date: 20.APR.2020 19:07:28

Middle Channel / 16QAM

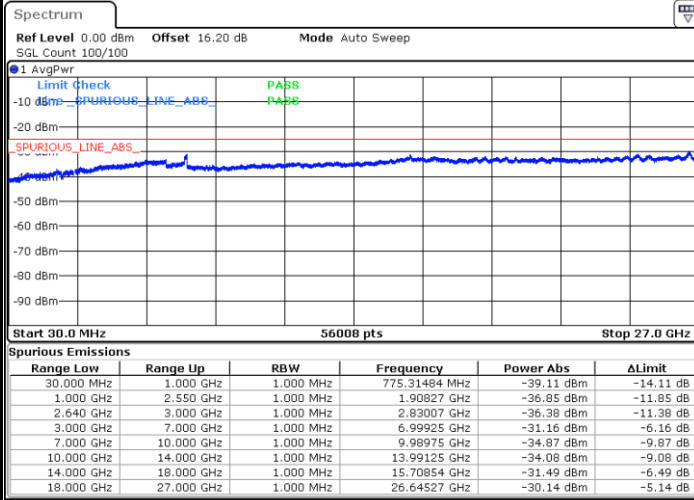


Date: 20.APR.2020 19:08:19



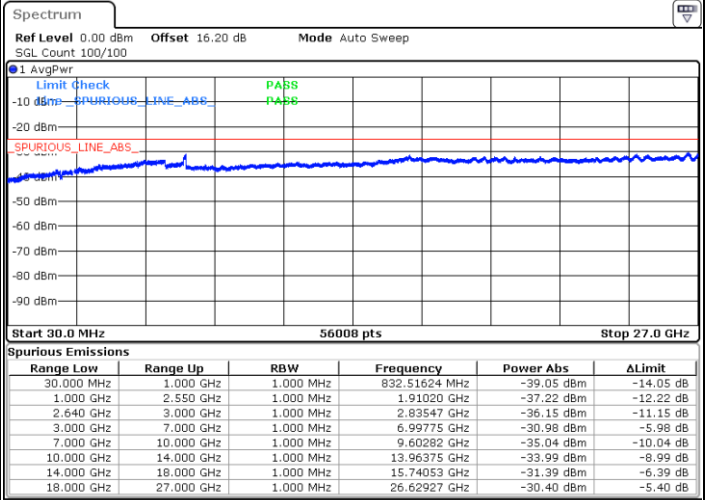
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 20.APR.2020 19:09:11

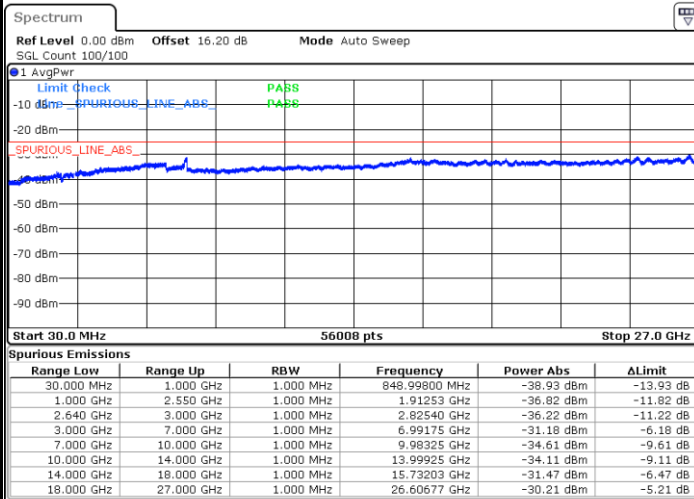
Highest Channel / 16QAM



Date: 20.APR.2020 19:10:03

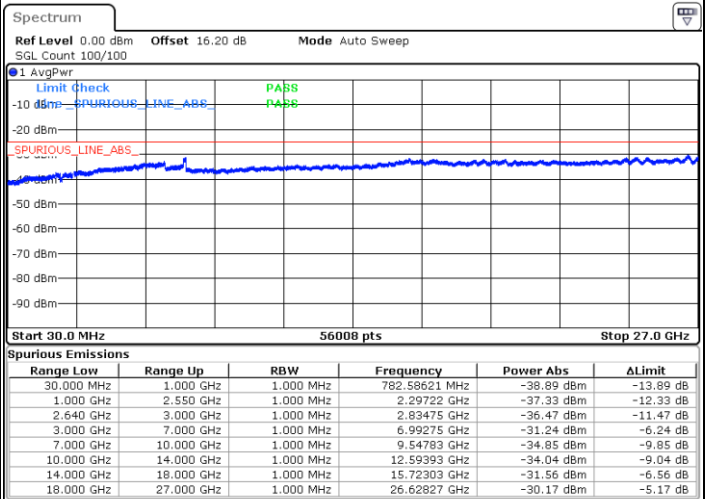
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 20.APR.2020 19:13:30

Lowest Channel / 16QAM

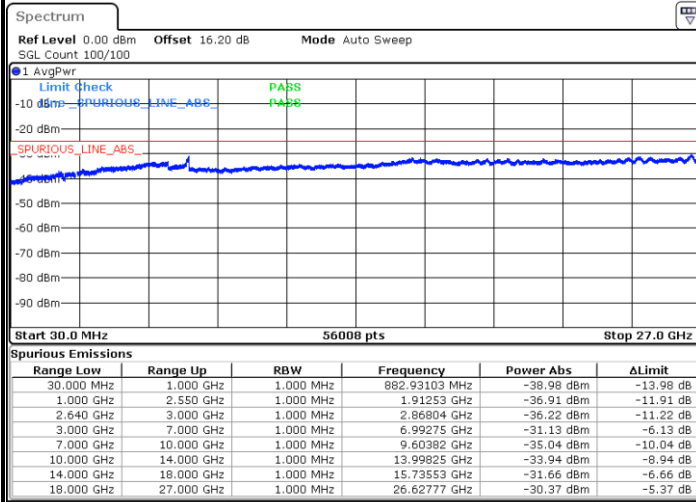


Date: 20.APR.2020 19:14:23



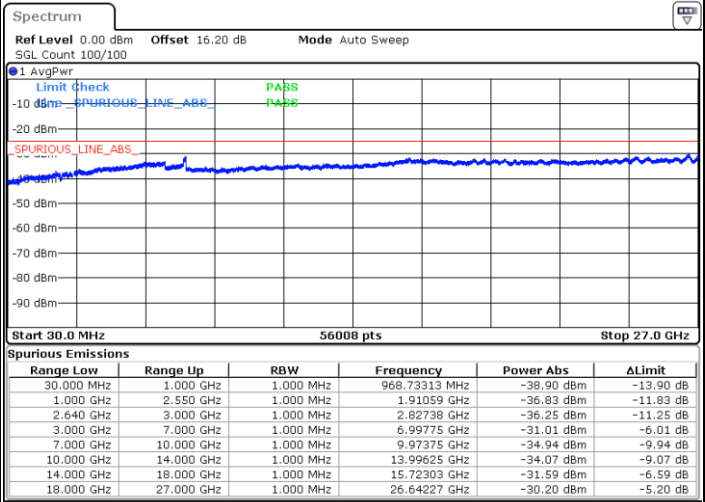
LTE Band 38 / 20MHz

Middle Channel / QPSK



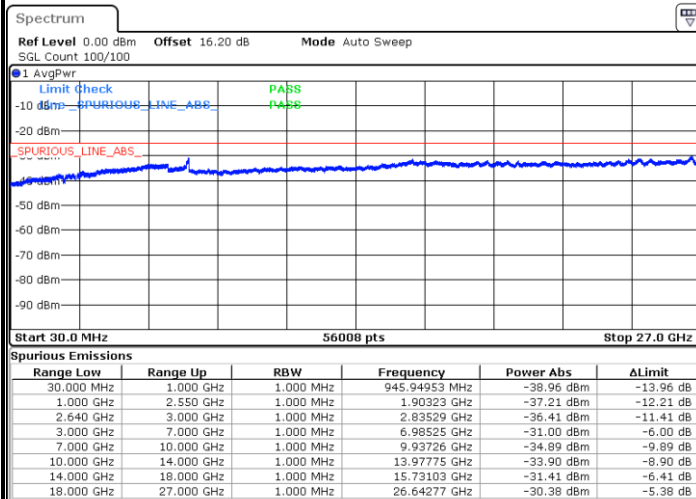
Date: 20.APR.2020 19:15:15

Middle Channel / 16QAM



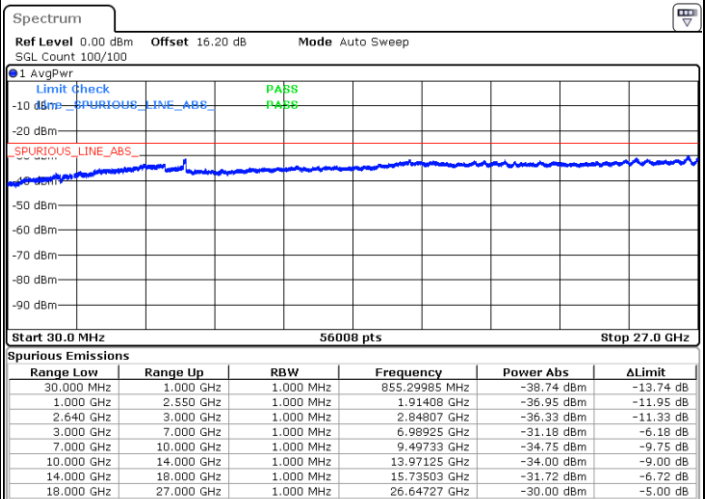
Date: 20.APR.2020 19:16:06

Highest Channel / QPSK



Date: 20.APR.2020 19:16:58

Highest Channel / 16QAM

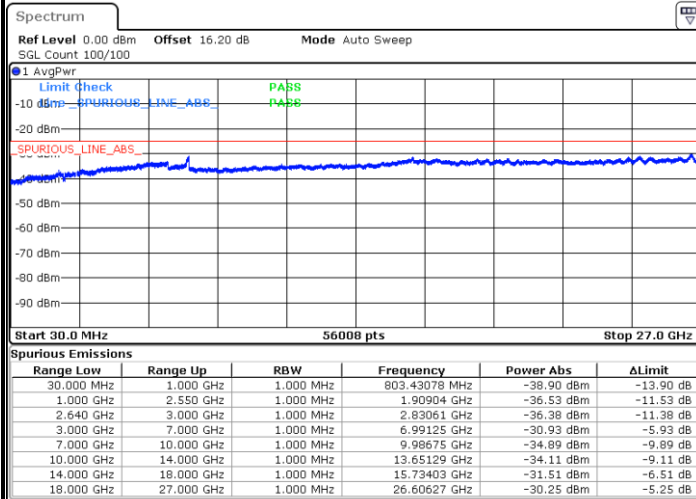


Date: 20.APR.2020 19:17:50



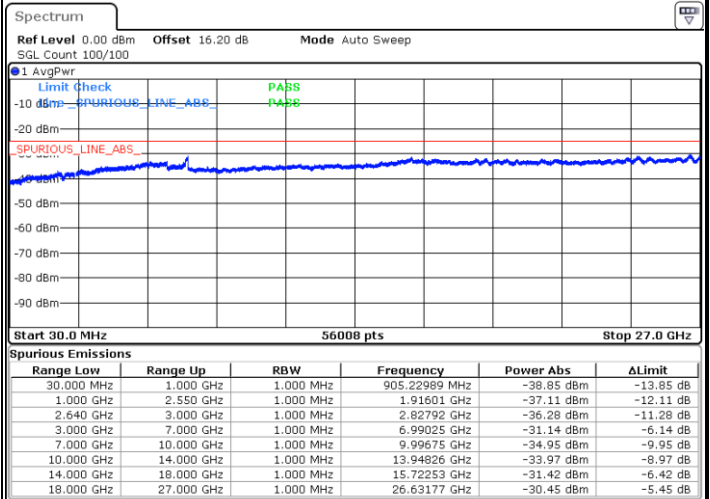
LTE Band 38 / 5MHz

Lowest Channel / 64QAM



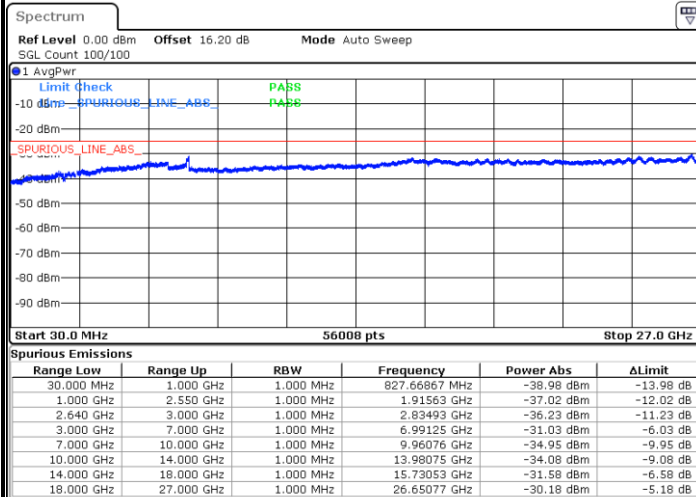
Date: 20.APR.2020 18:43:04

Middle Channel / 64QAM



Date: 20.APR.2020 18:43:55

Highest Channel / 64QAM

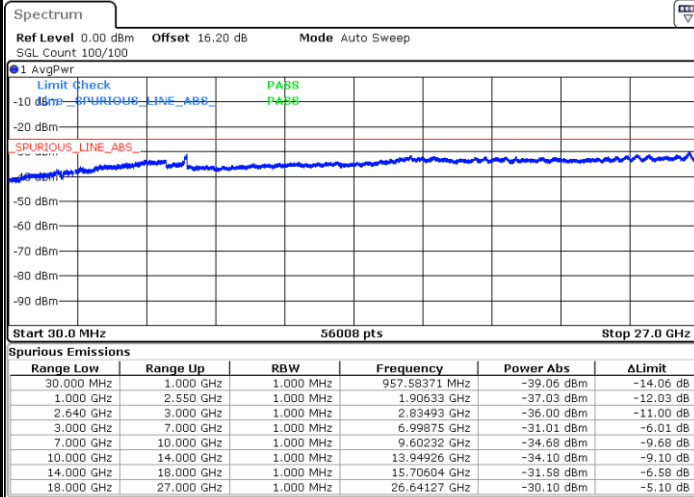


Date: 20.APR.2020 18:44:46



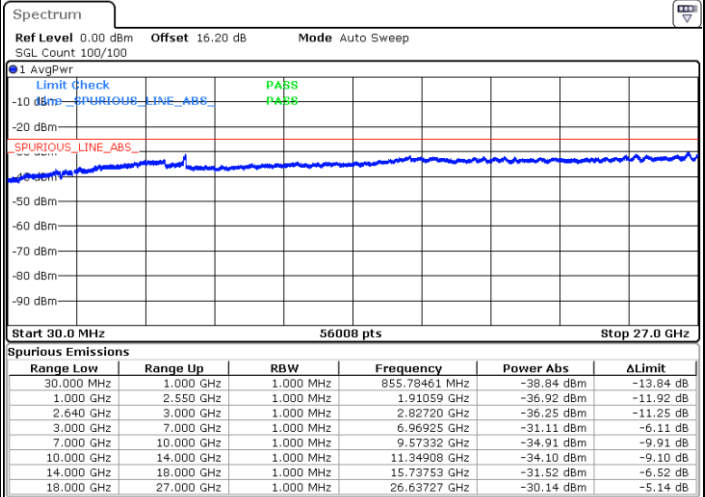
LTE Band 38 / 10MHz

Lowest Channel / 64QAM



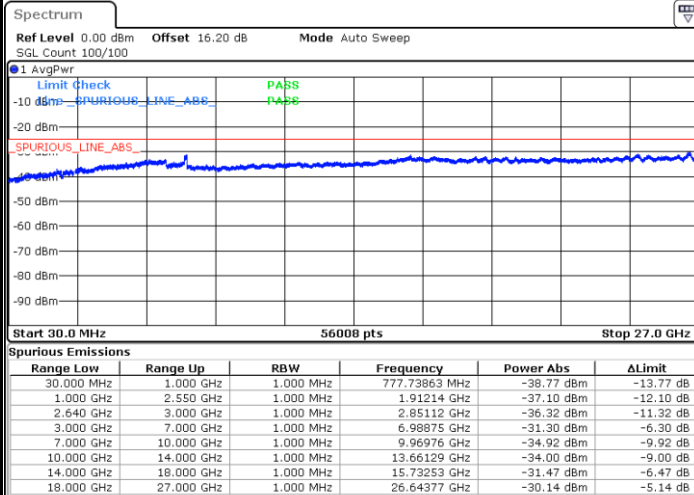
Date: 20.APR.2020 18:57:59

Middle Channel / 64QAM



Date: 20.APR.2020 18:58:50

Highest Channel / 64QAM

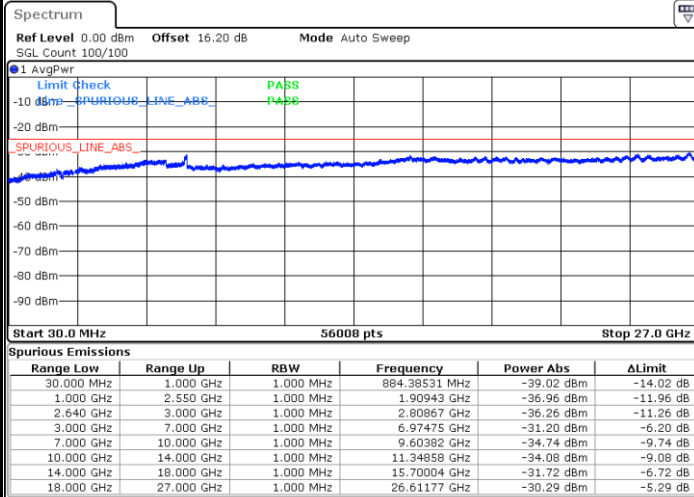


Date: 20.APR.2020 18:59:42



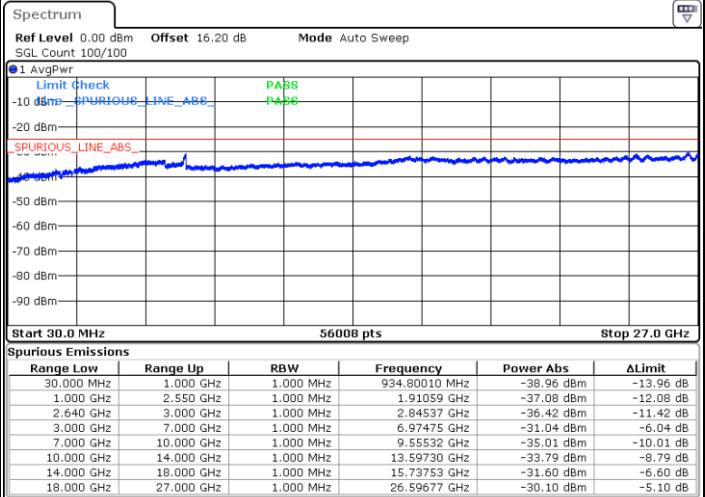
LTE Band 38 / 15MHz

Lowest Channel / 64QAM



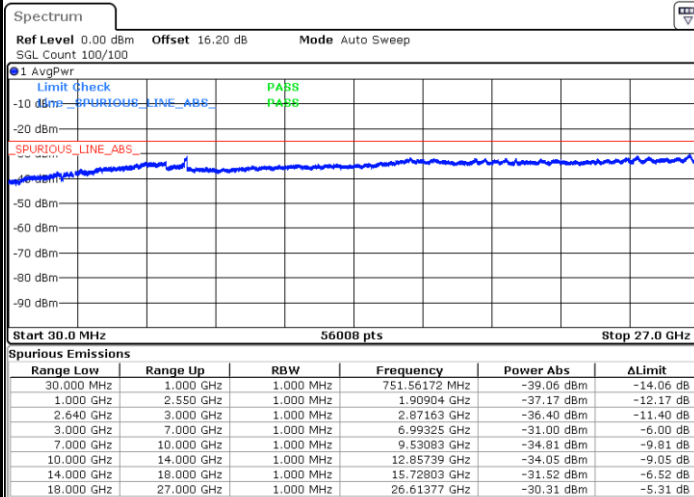
Date: 20.APR.2020 19:10:55

Middle Channel / 64QAM



Date: 20.APR.2020 19:11:46

Highest Channel / 64QAM

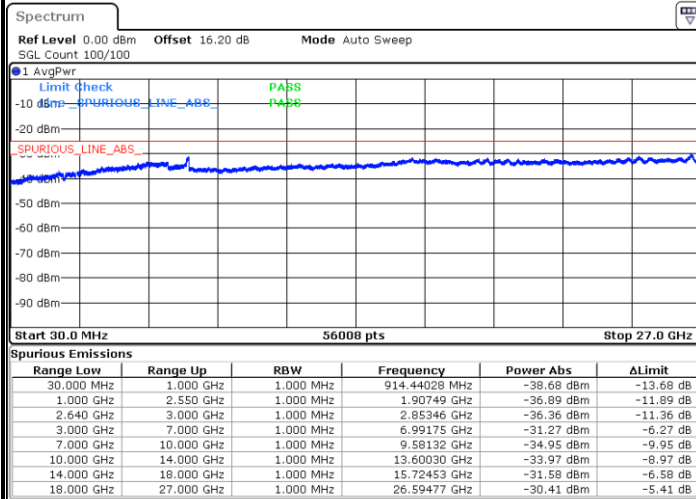


Date: 20.APR.2020 19:12:38



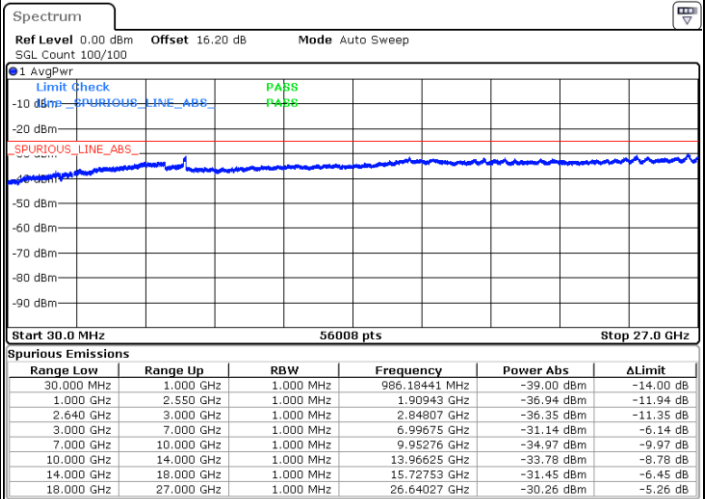
LTE Band 38 / 20MHz

Lowest Channel / 64QAM



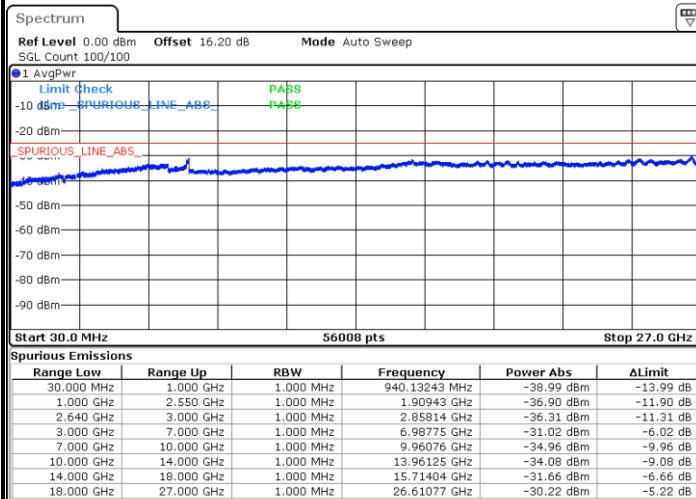
Date: 20.APR.2020 19:18:41

Middle Channel / 64QAM



Date: 20.APR.2020 19:19:33

Highest Channel / 64QAM



Date: 20.APR.2020 19:20:25

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0047	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38C

26dB Bandwidth

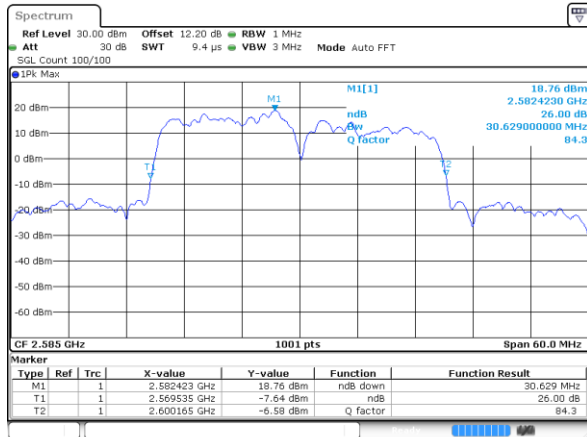
Mode	LTE Band 38C : 26dB BW(MHz)		
	QPSK	16QAM	64QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Lowest CH	30.63	30.57	30.51
Middle CH	30.63	30.57	30.51
Highest CH	30.39	30.51	30.39
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	39.80	39.80	39.72
Middle CH	39.80	39.80	39.88
Highest CH	39.80	39.72	39.64



LTE Band 38C

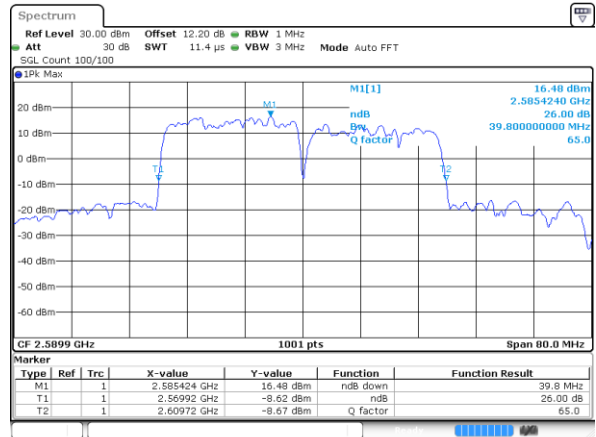
QPSK

Lowest Channel / 15MHz+15MHz



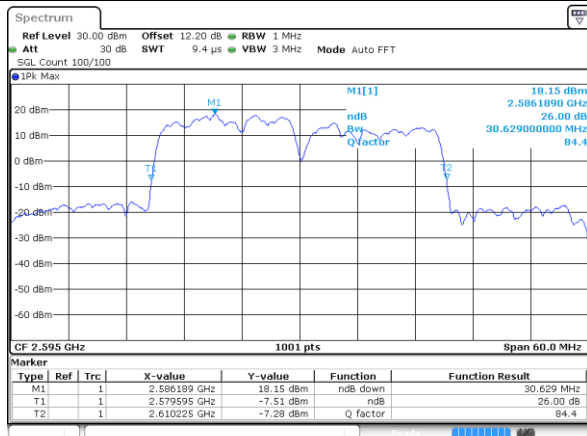
Date: 20 MAY 2020 04:16:44

Lowest Channel / 20MHz+20MHz



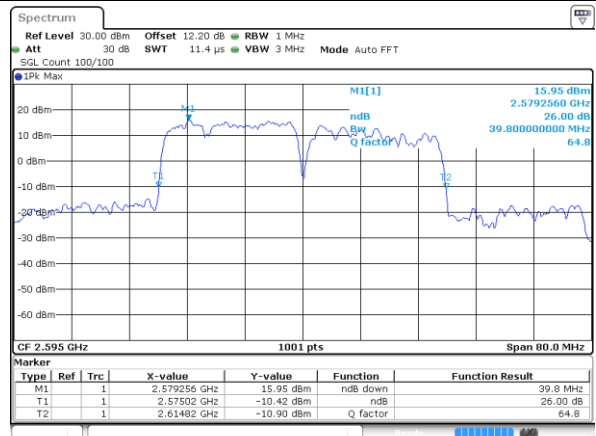
Date: 20 MAY 2020 05:03:25

Middle Channel / 15MHz+15MHz



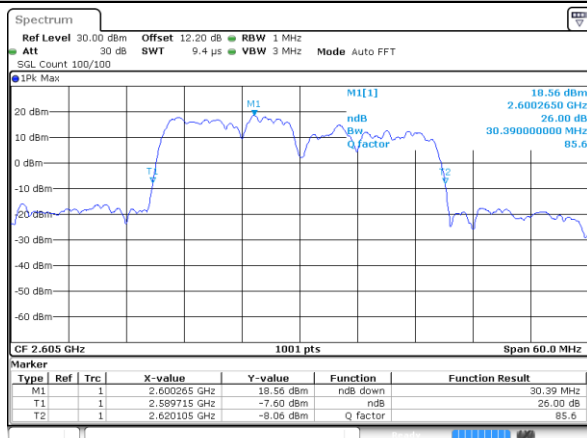
Date: 20 MAY 2020 04:22:55

Middle Channel / 20MHz+20MHz



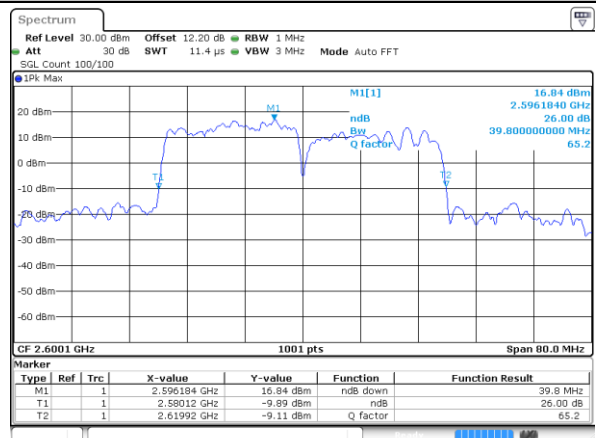
Date: 20 MAY 2020 05:50:52

Highest Channel / 15MHz+15MHz



Date: 20 MAY 2020 04:58:01

Highest Channel / 20MHz+20MHz



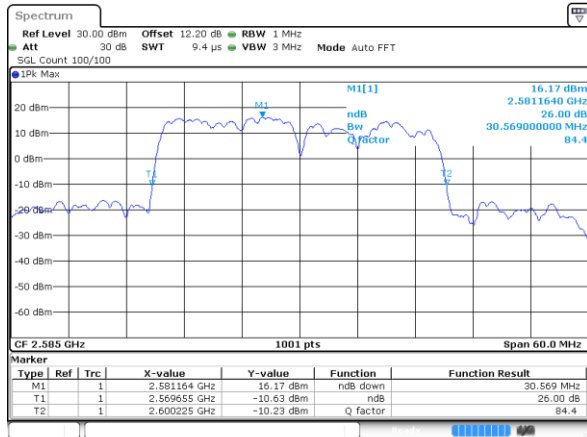
Date: 20 MAY 2020 05:54:40



LTE Band 38C

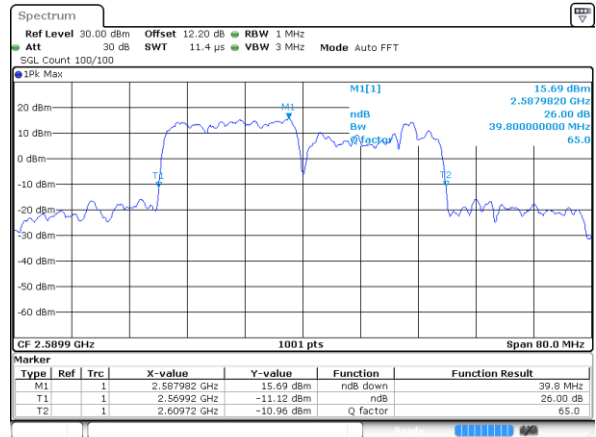
16QAM

Lowest Channel / 15MHz+15MHz



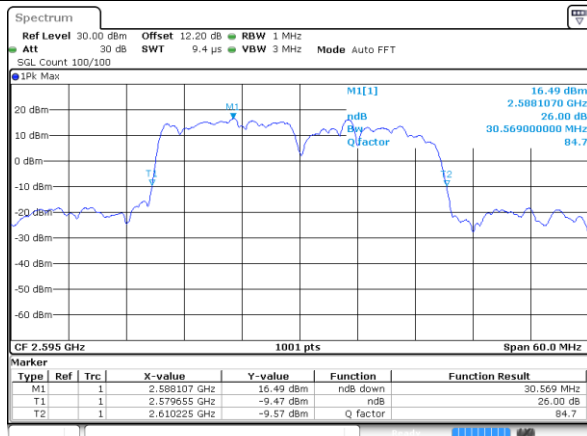
Date: 20 MAY 2020 04:16:21

Lowest Channel / 20MHz+20MHz



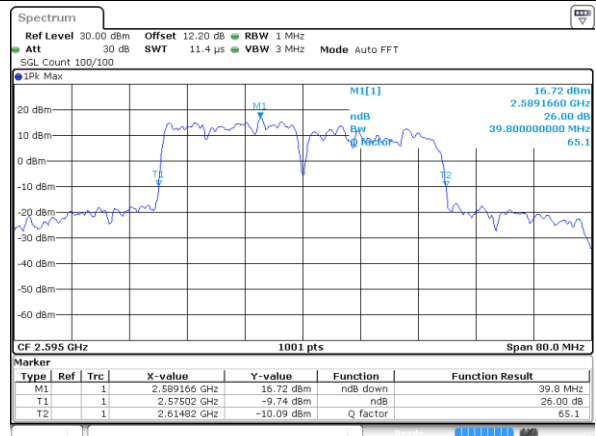
Date: 20 MAY 2020 05:03:02

Middle Channel / 15MHz+15MHz



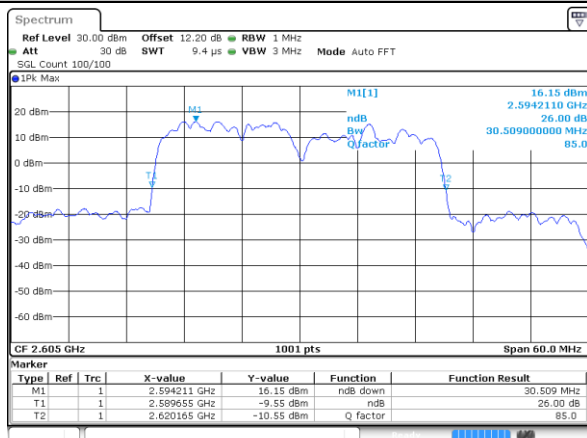
Date: 20 MAY 2020 04:22:31

Middle Channel / 20MHz+20MHz



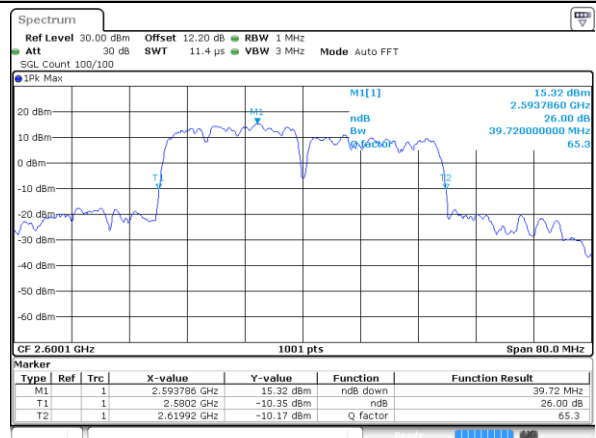
Date: 20 MAY 2020 05:05:29

Highest Channel / 15MHz+15MHz



Date: 20 MAY 2020 04:58:24

Highest Channel / 20MHz+20MHz



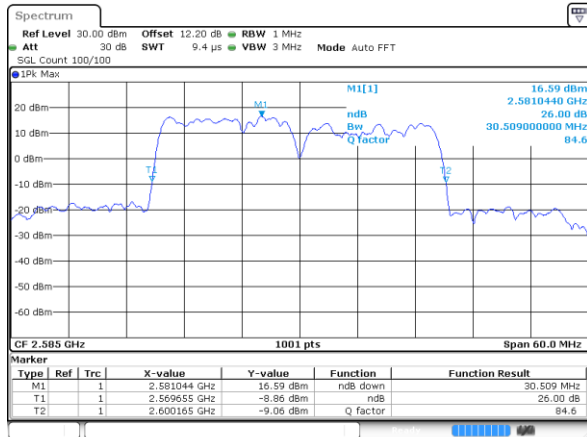
Date: 20 MAY 2020 05:55:03



LTE Band 38C

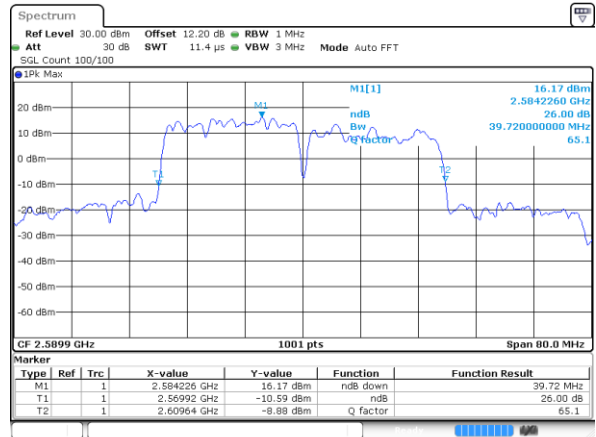
64QAM

Lowest Channel / 15MHz+15MHz



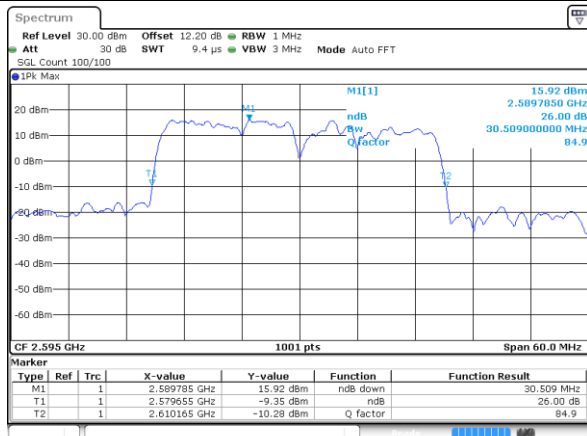
Date: 20 MAY 2020 04:15:58

Lowest Channel / 20MHz+20MHz



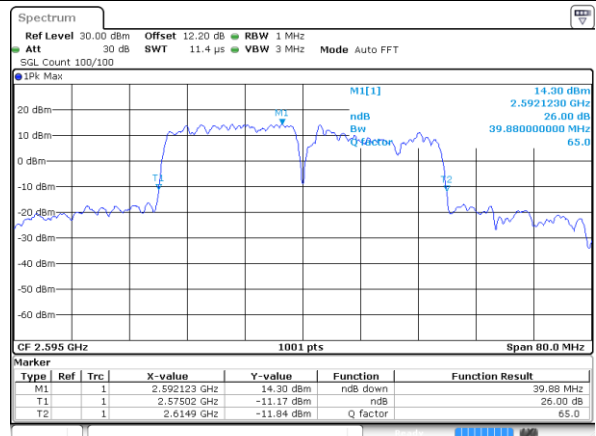
Date: 20 MAY 2020 05:02:38

Middle Channel / 15MHz+15MHz



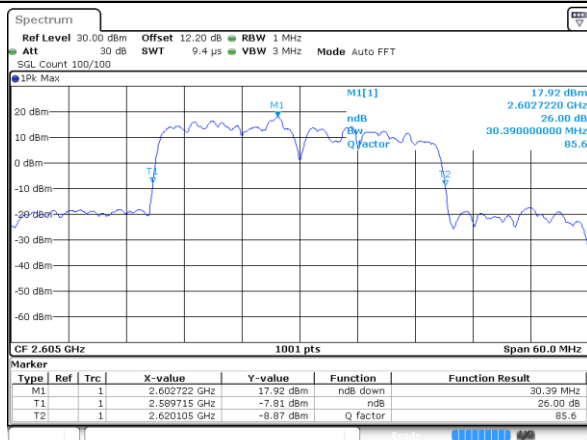
Date: 20 MAY 2020 04:22:08

Middle Channel / 20MHz+20MHz



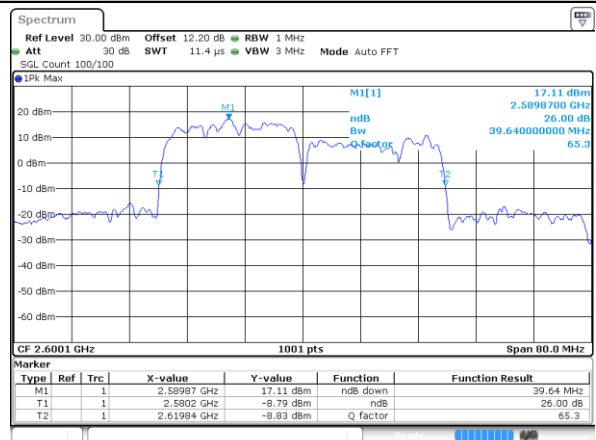
Date: 20 MAY 2020 05:05:06

Highest Channel / 15MHz+15MHz



Date: 20 MAY 2020 04:58:48

Highest Channel / 20MHz+20MHz



Date: 20 MAY 2020 05:56:25

**Occupied Bandwidth**

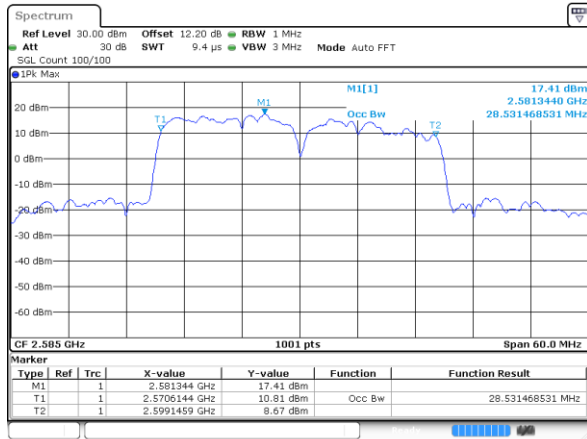
Mode	LTE Band 38C : 99%OBW(MHz)		
	QPSK	16QAM	64QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Lowest CH	28.53	28.35	28.29
Middle CH	28.53	28.65	28.41
Highest CH	28.53	28.23	28.29
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	37.72	37.16	37.72
Middle CH	37.72	37.32	37.40
Highest CH	37.32	37.56	37.48



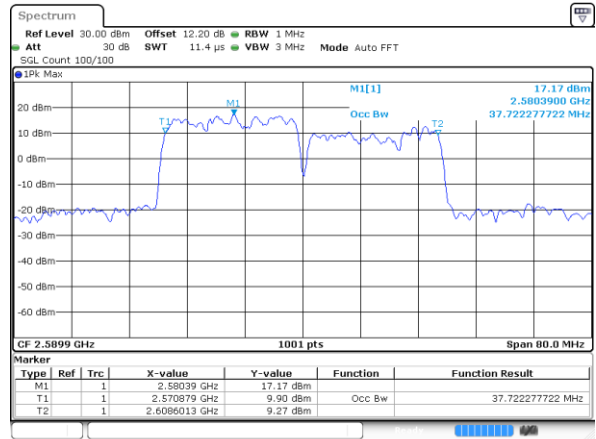
LTE Band 38C

QPSK

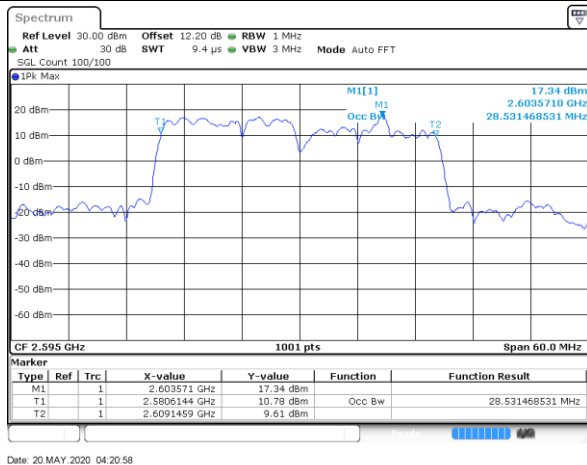
Lowest Channel / 15MHz+15MHz



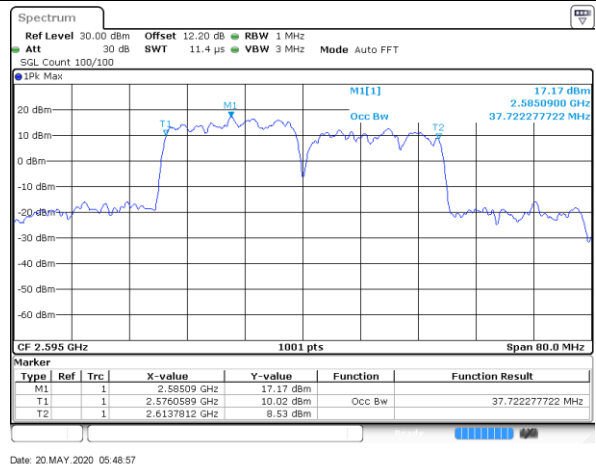
Lowest Channel / 20MHz+20MHz



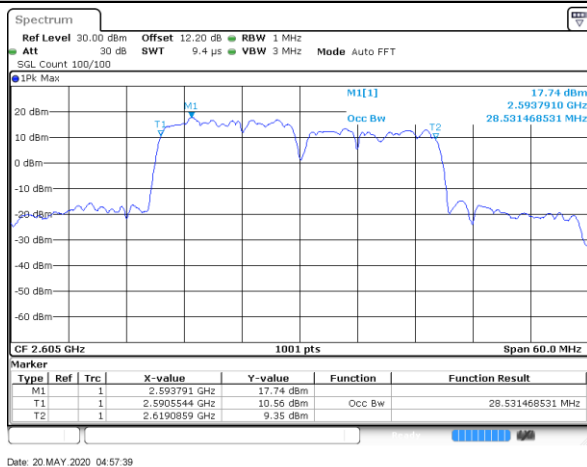
Middle Channel / 15MHz+15MHz



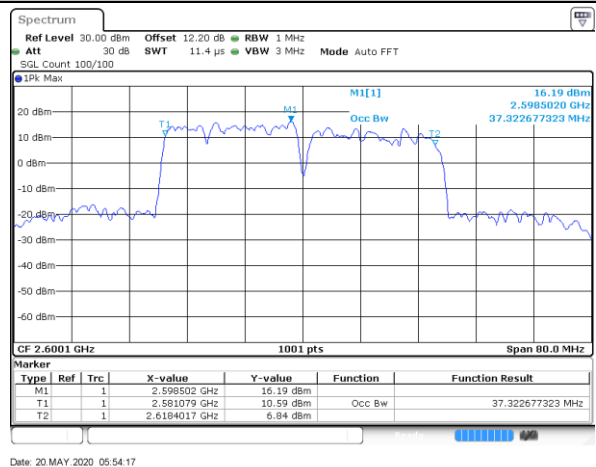
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz

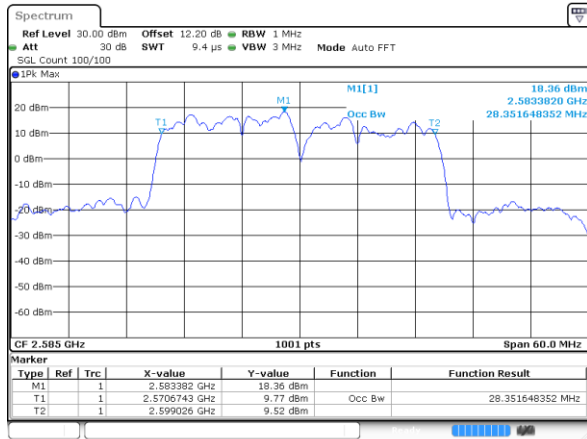




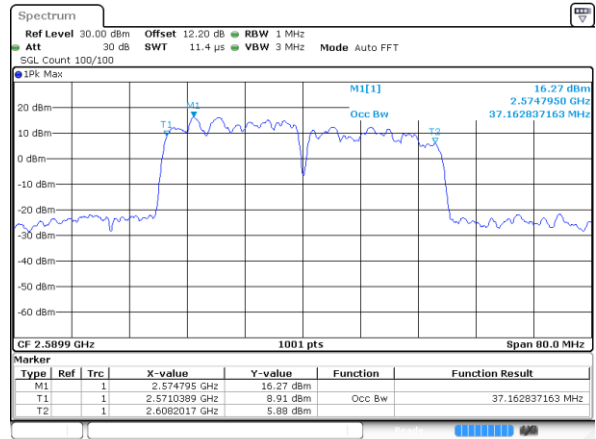
LTE Band 38C

16QAM

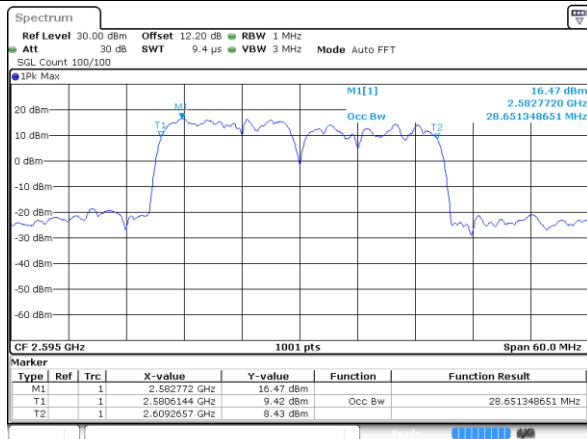
Lowest Channel / 15MHz+15MHz



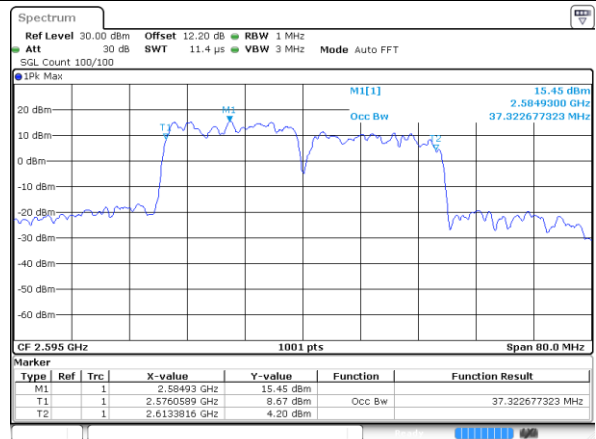
Lowest Channel / 20MHz+20MHz



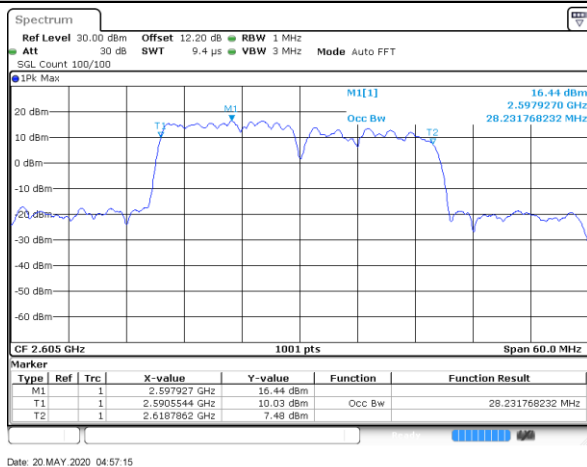
Middle Channel / 15MHz+15MHz



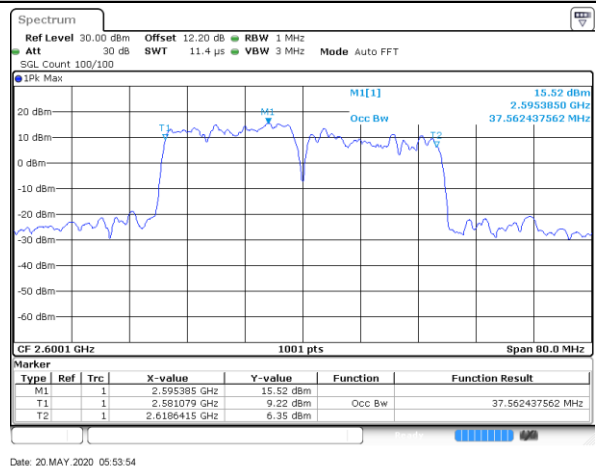
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz

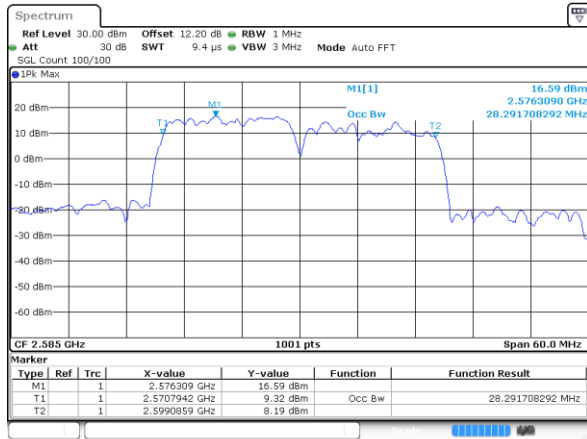




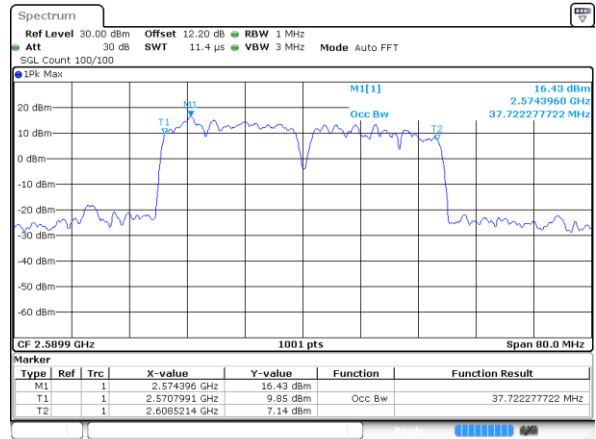
LTE Band 38C

64QAM

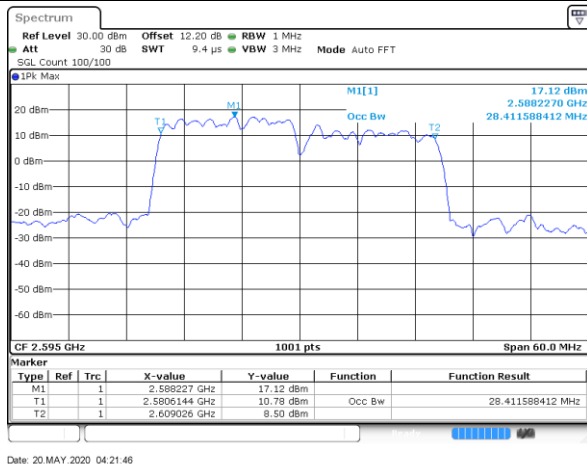
Lowest Channel / 15MHz+15MHz



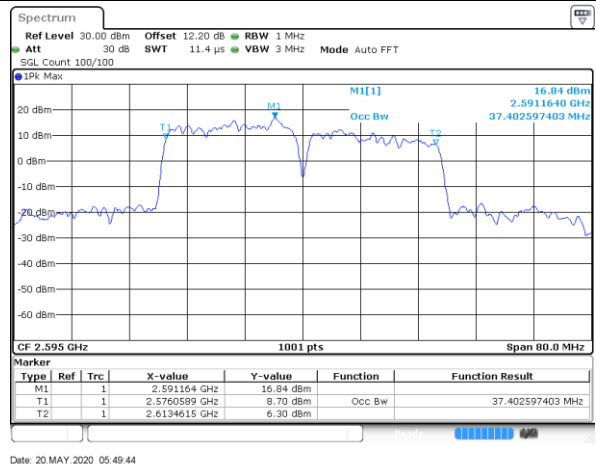
Lowest Channel / 20MHz+20MHz



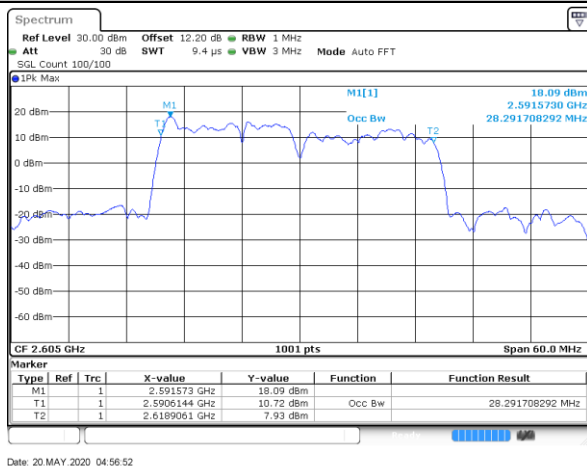
Middle Channel / 15MHz+15MHz



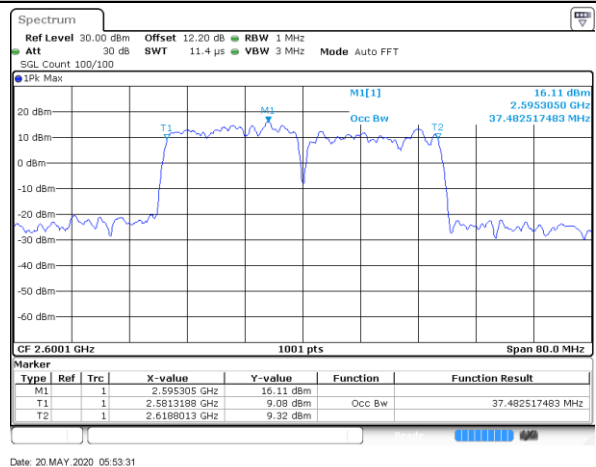
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz



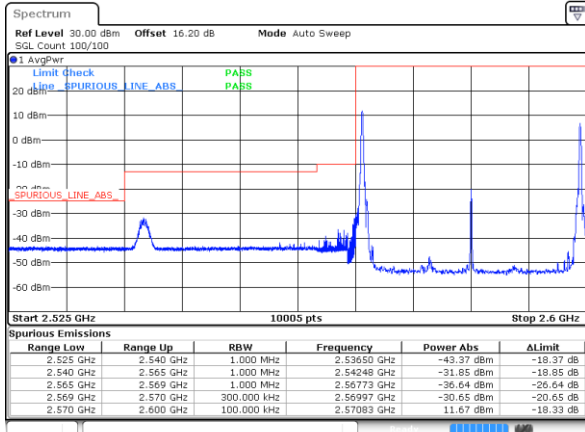


Conducted Band Edge

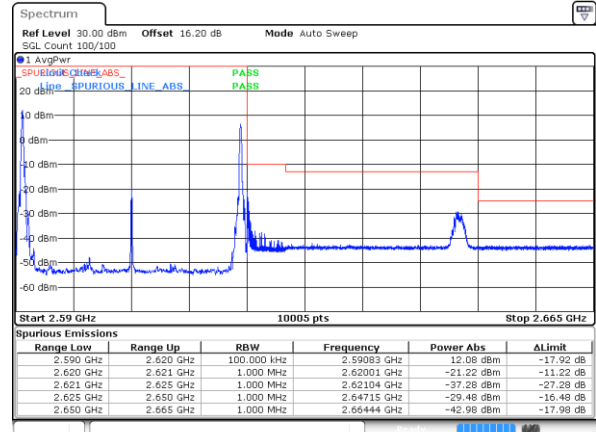
LTE Band 38C / 15MHz+15MHz

QPSK

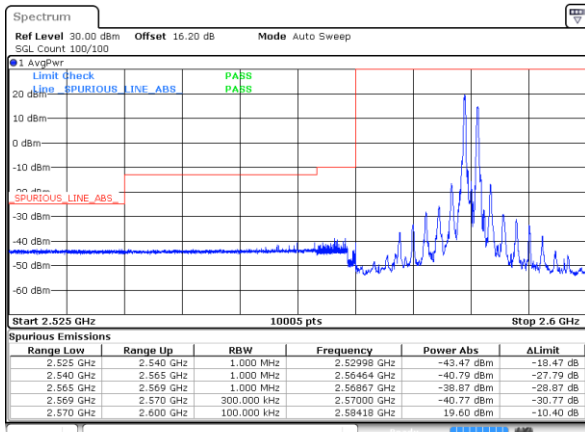
Lowest Band Edge / 1RB0 and 1RB74



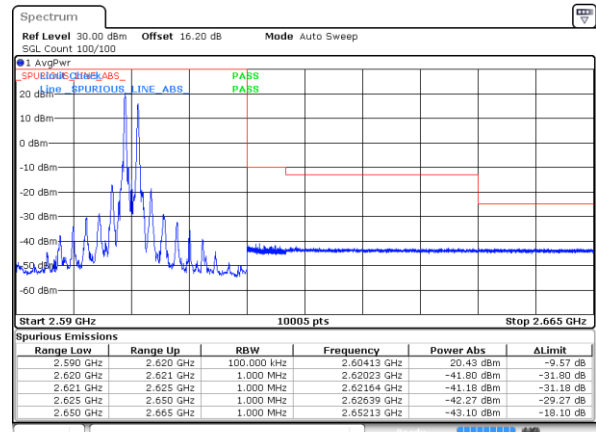
Highest Band Edge / 1RB0 and 1RB74



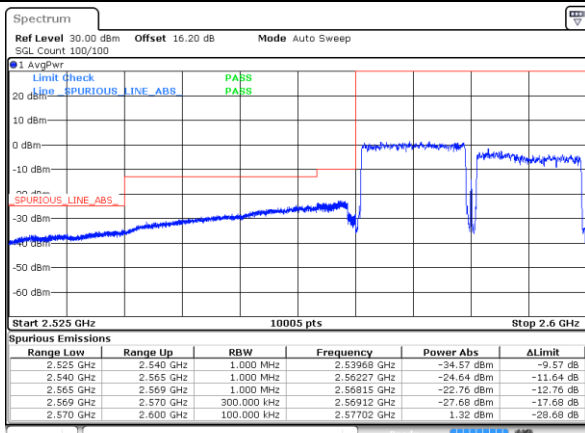
Lowest Band Edge / 1RB74 and 1RB0



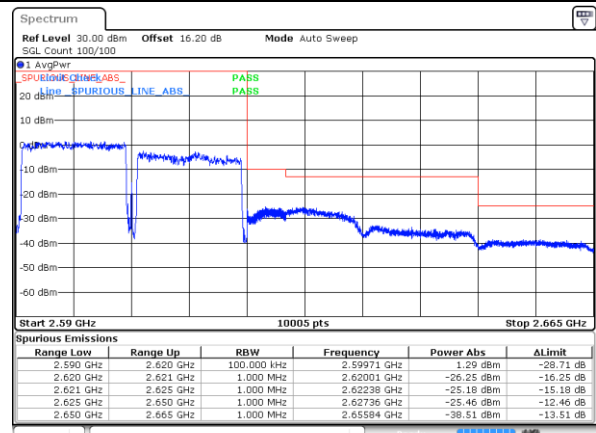
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

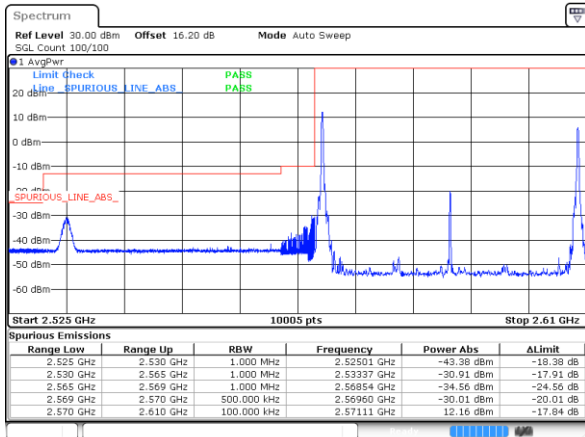




LTE Band 38C / 20MHz+20MHz

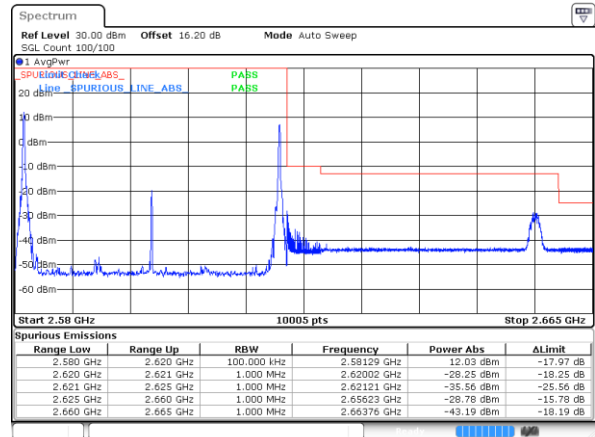
QPSK

Lowest Band Edge / 1RB0 and 1RB99



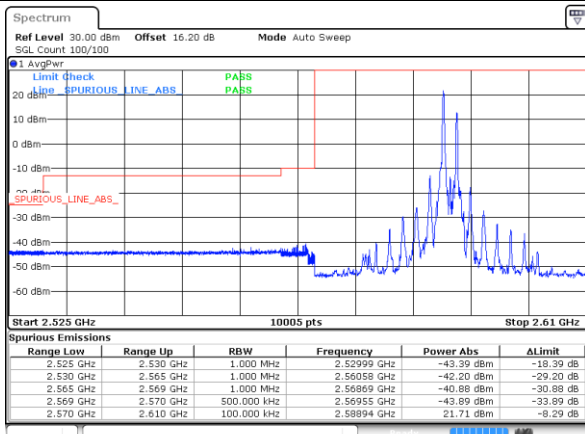
Date: 20 MAY 2020 05:09:04

Highest Band Edge / 1RB0 and 1RB99



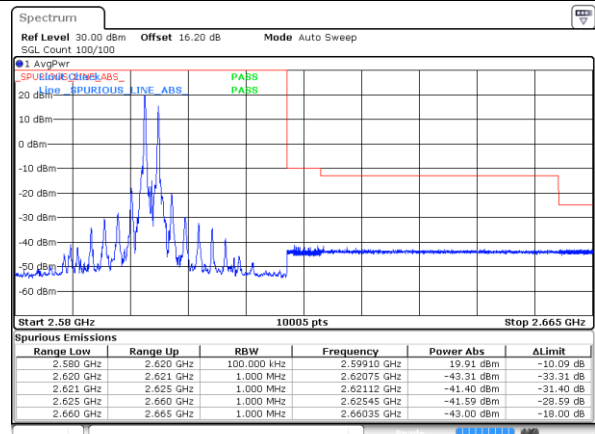
Date: 20 MAY 2020 06:00:03

Lowest Band Edge / 1RB99 and 1RB0



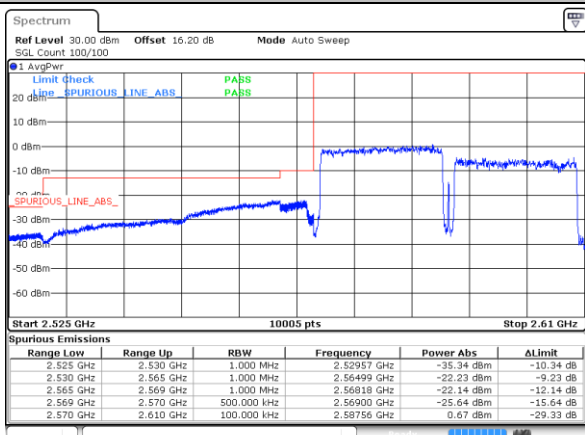
Date: 20 MAY 2020 05:09:55

Highest Band Edge / 1RB99 and 1RB0



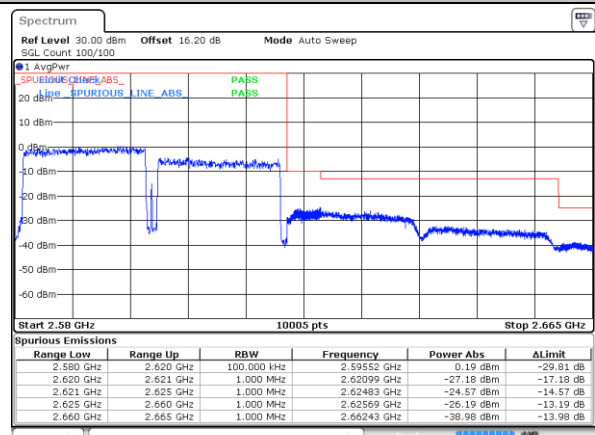
Date: 20 MAY 2020 06:04:23

Lowest Band Edge / Full RB



Date: 20 MAY 2020 05:28:11

Highest Band Edge / Full RB



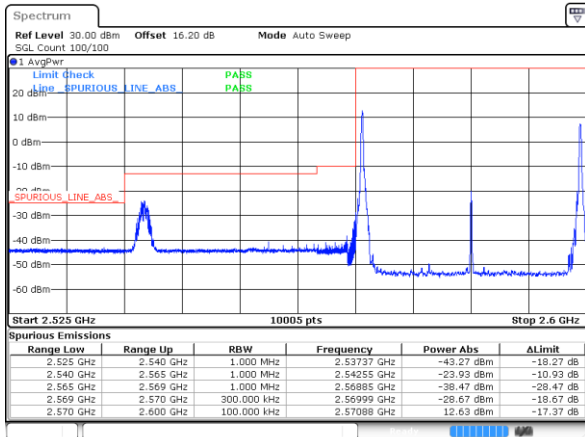
Date: 20 MAY 2020 05:59:11



LTE Band 38C / 15MHz+15MHz

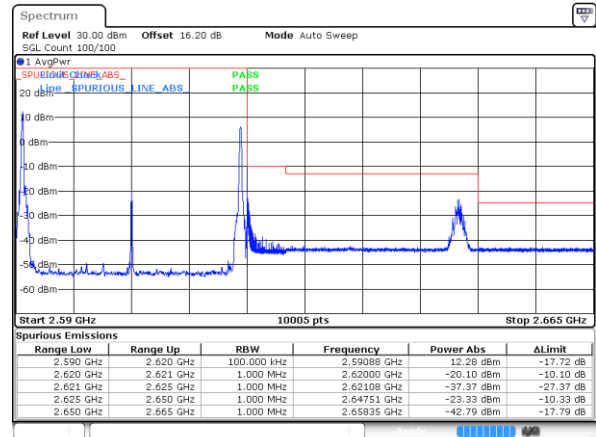
16QAM

Lowest Band Edge / 1RB0 and 1RB74



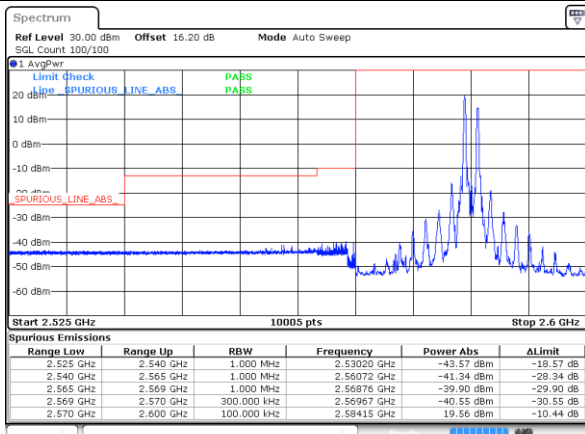
Date: 20 MAY 2020 03:55:55

Highest Band Edge / 1RB0 and 1RB74



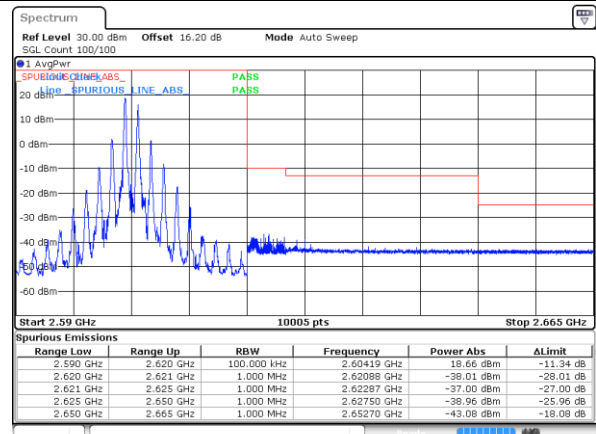
Date: 20 MAY 2020 04:40:43

Lowest Band Edge / 1RB74 and 1RB0



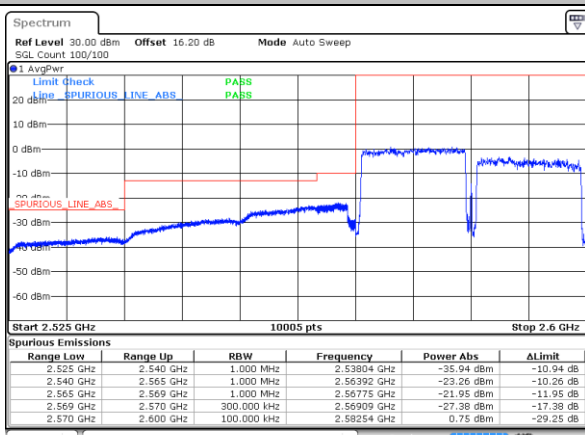
Date: 20 MAY 2020 03:58:31

Highest Band Edge / 1RB74 and 1RB0



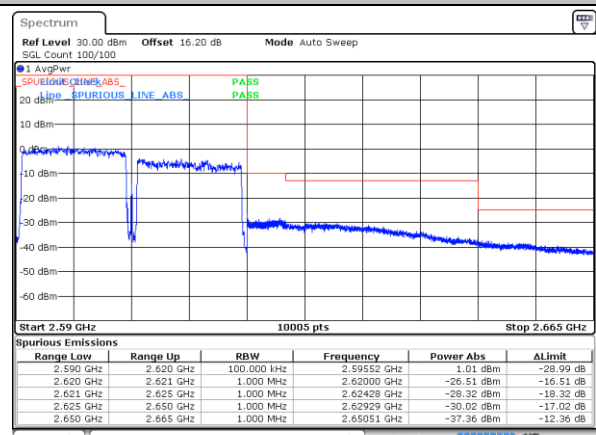
Date: 20 MAY 2020 04:43:17

Lowest Band Edge / Full RB



Date: 20 MAY 2020 03:53:18

Highest Band Edge / Full RB



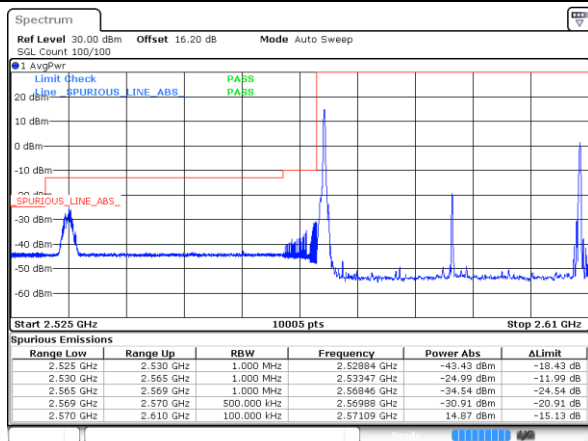
Date: 20 MAY 2020 04:38:06



LTE Band 38C / 20MHz+20MHz

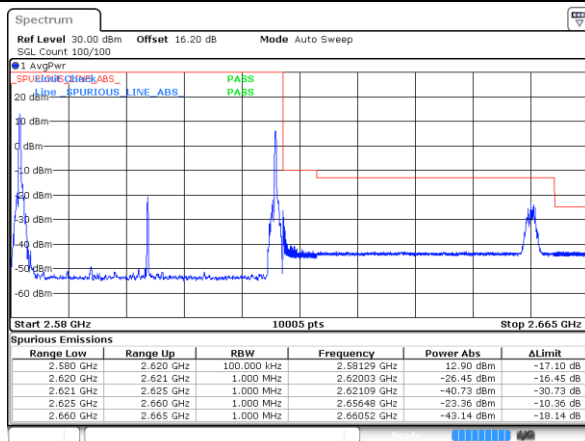
16QAM

Lowest Band Edge / 1RB0 and 1RB99



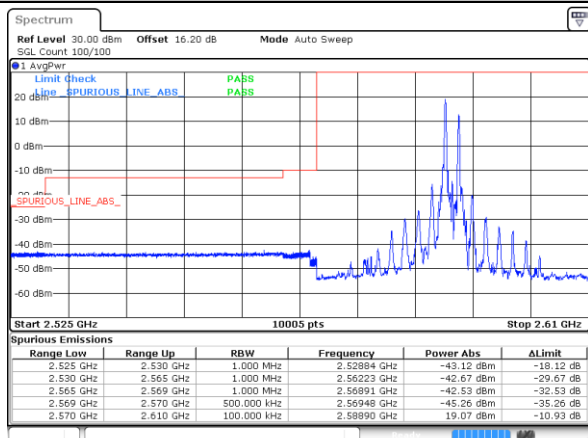
Date: 20 MAY 2020 05:08:12

Highest Band Edge / 1RB0 and 1RB99



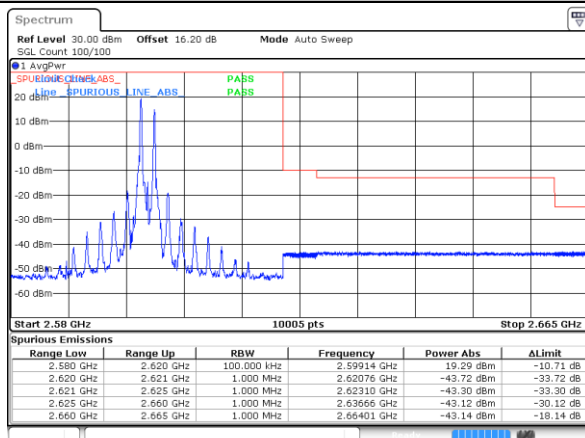
Date: 20 MAY 2020 06:00:56

Lowest Band Edge / 1RB99 and 1RB0



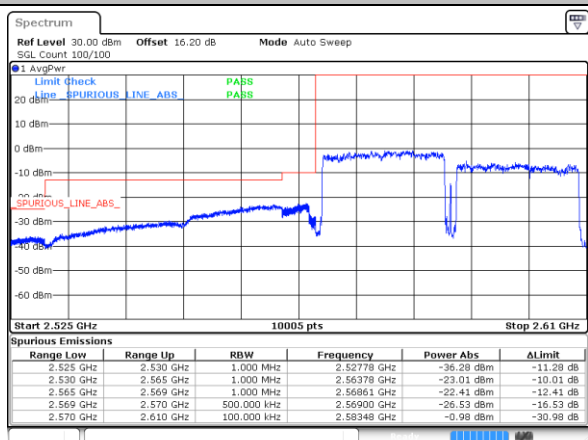
Date: 20 MAY 2020 05:10:47

Highest Band Edge / 1RB99 and 1RB0



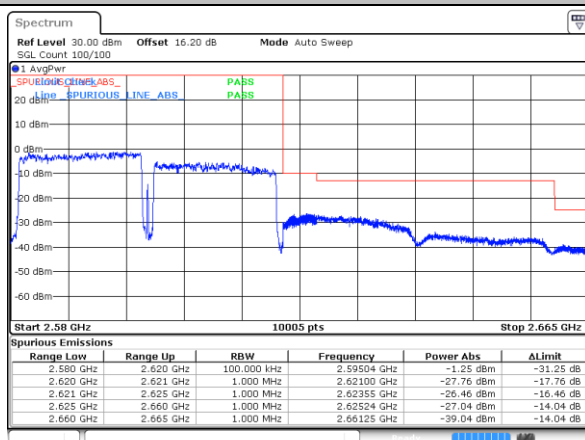
Date: 20 MAY 2020 06:03:31

Lowest Band Edge / Full RB



Date: 20 MAY 2020 05:30:10

Highest Band Edge / Full RB



Date: 20 MAY 2020 05:58:20