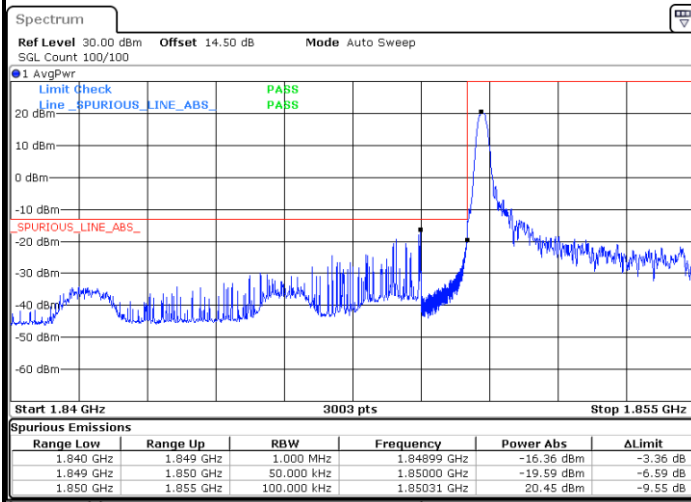


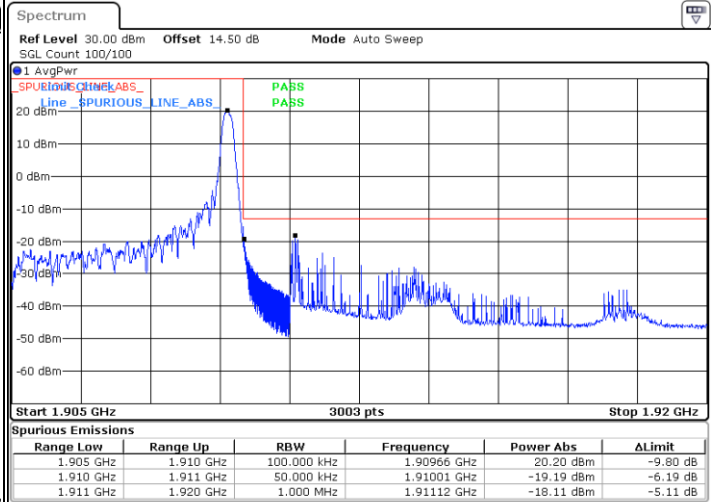


LTE Band 2 / 5MHz / 16QAM

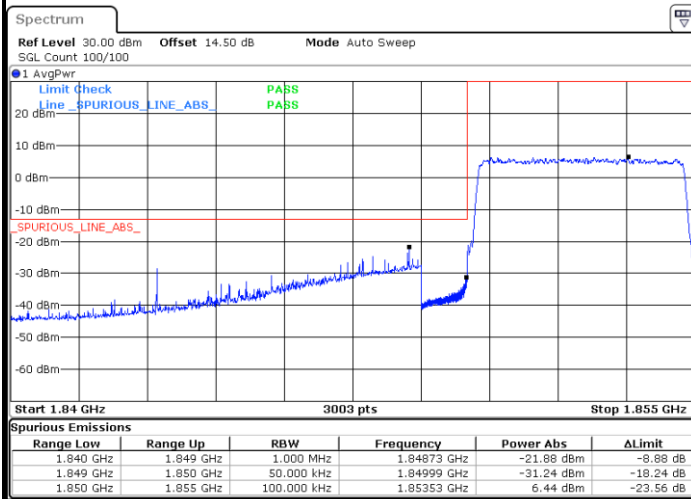
Lowest Band Edge / 1RB



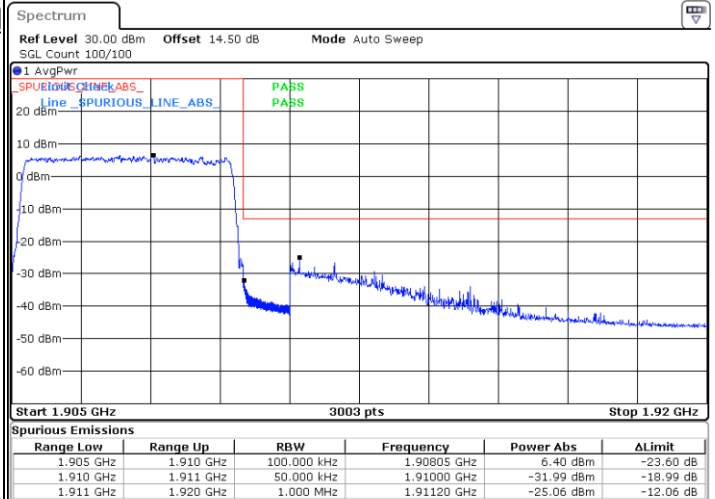
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



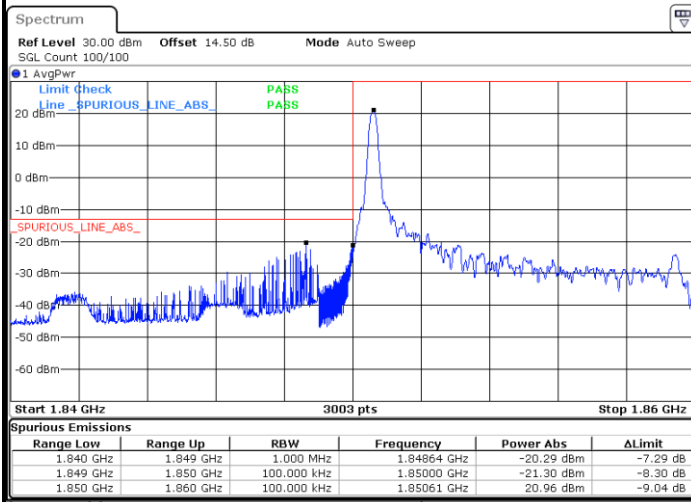
Highest Band Edge / Full RB



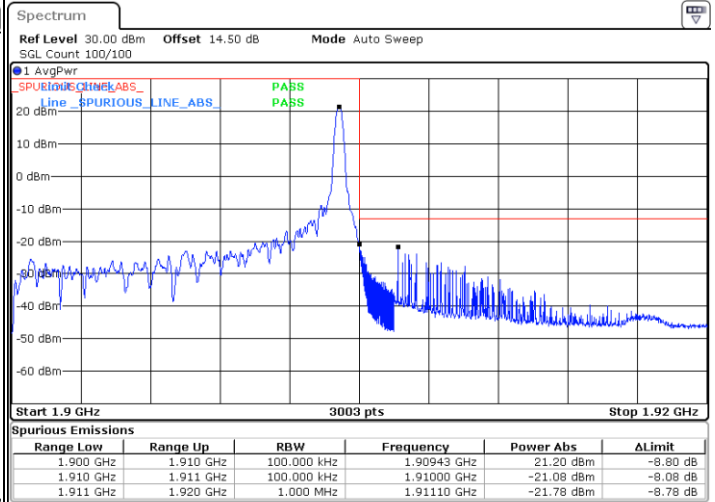


LTE Band 2 / 10MHz / QPSK

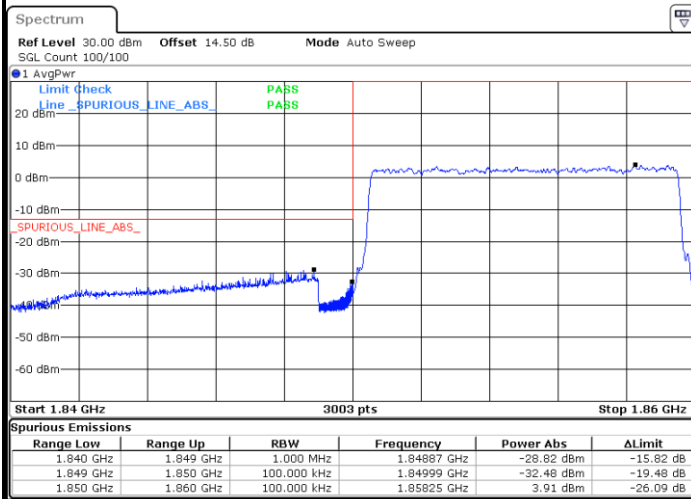
Lowest Band Edge / 1 RB



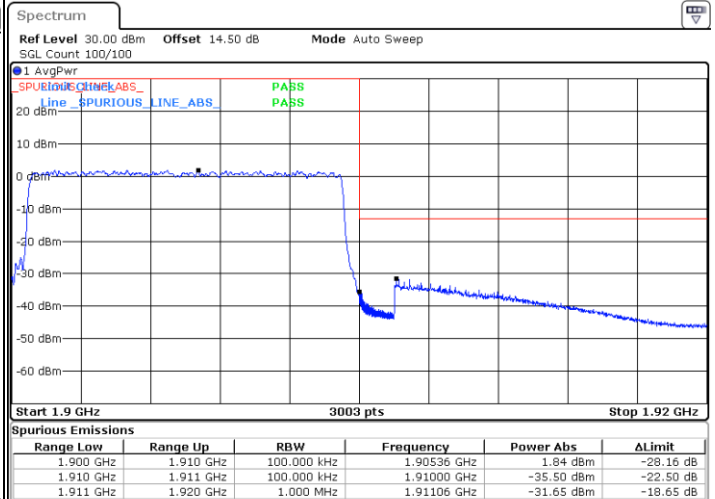
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



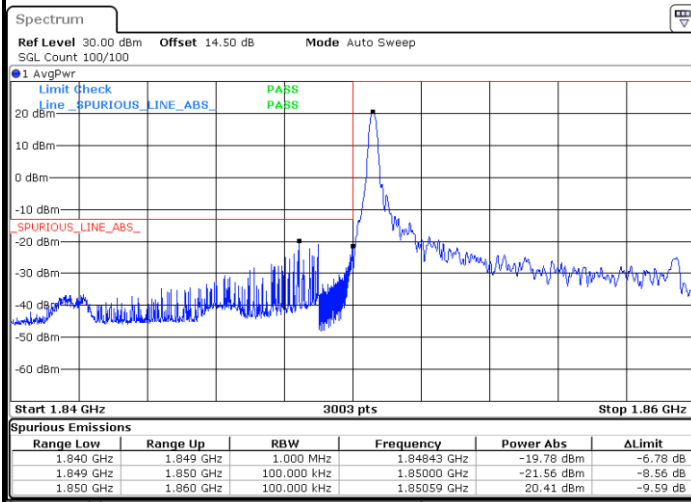
Highest Band Edge / Full RB



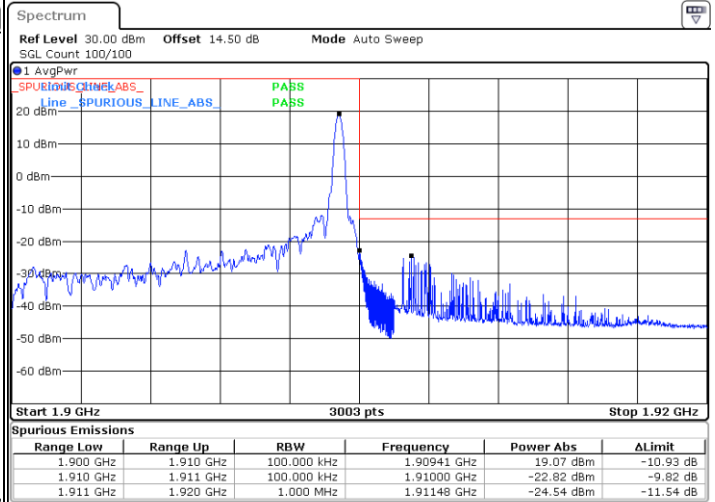


LTE Band 2 / 10MHz / 16QAM

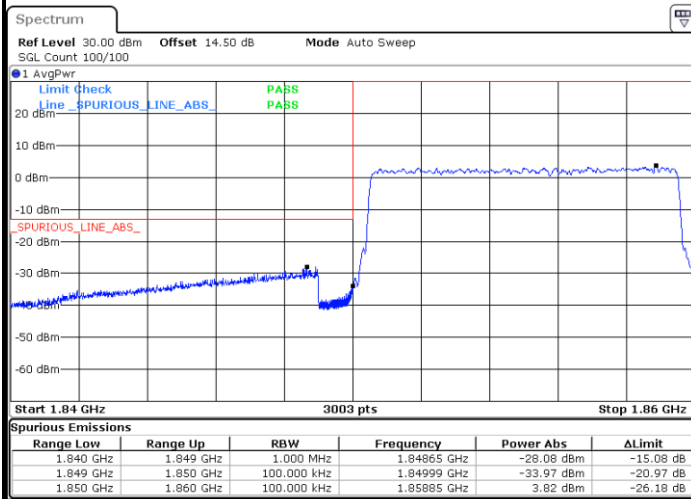
Lowest Band Edge / 1 RB



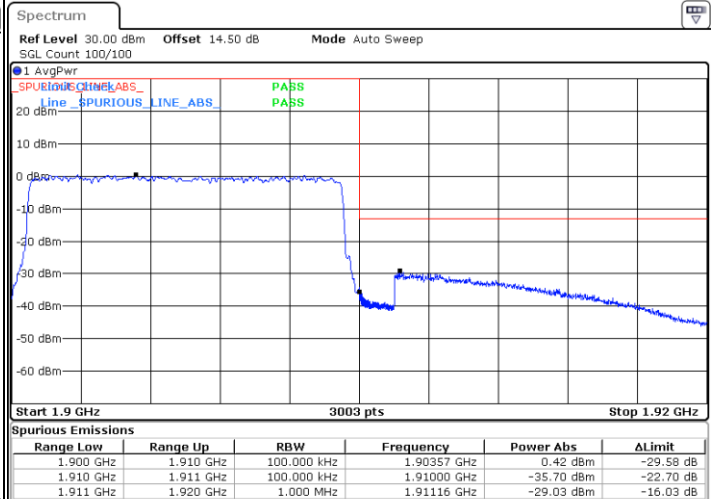
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



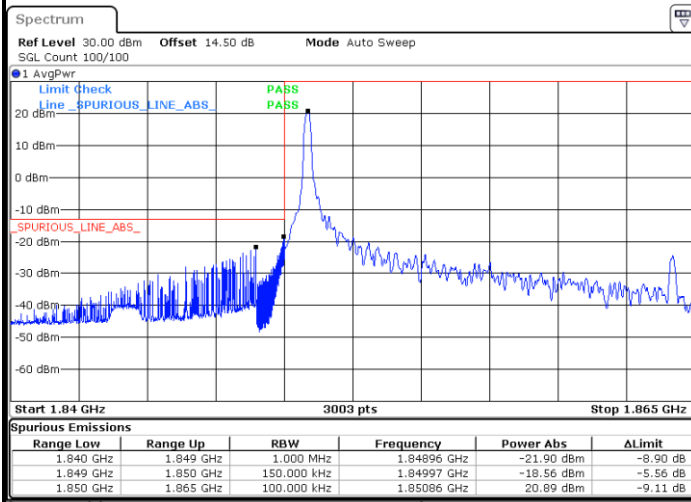
Highest Band Edge / Full RB



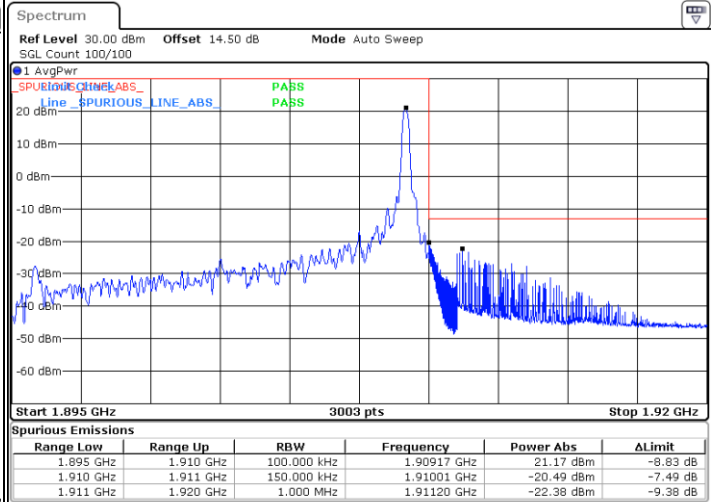


LTE Band 2 / 15MHz / QPSK

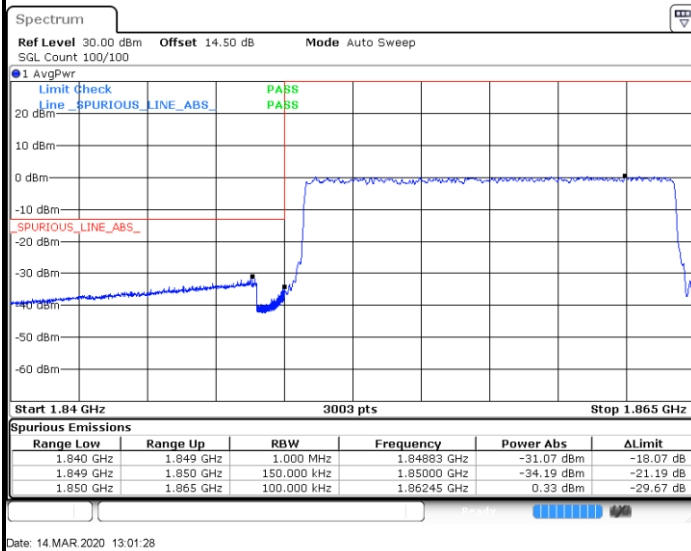
Lowest Band Edge / 1 RB



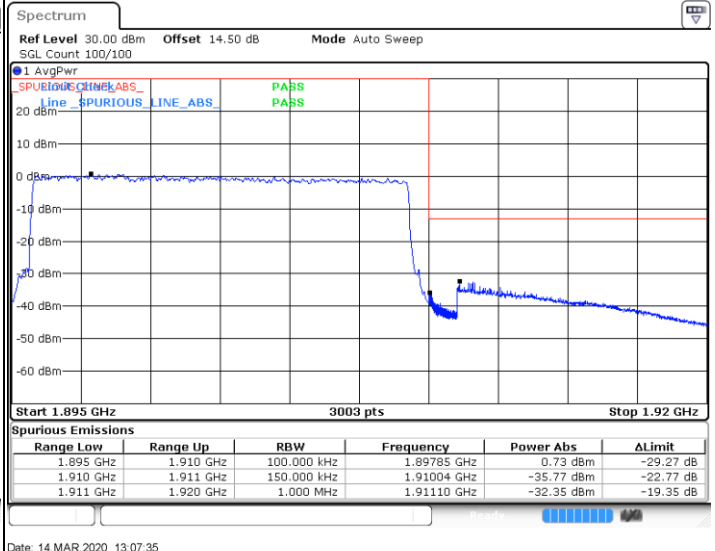
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



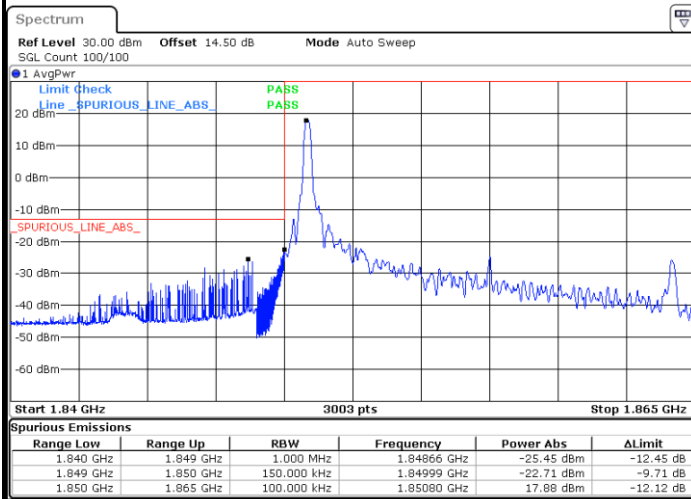
Highest Band Edge / Full RB



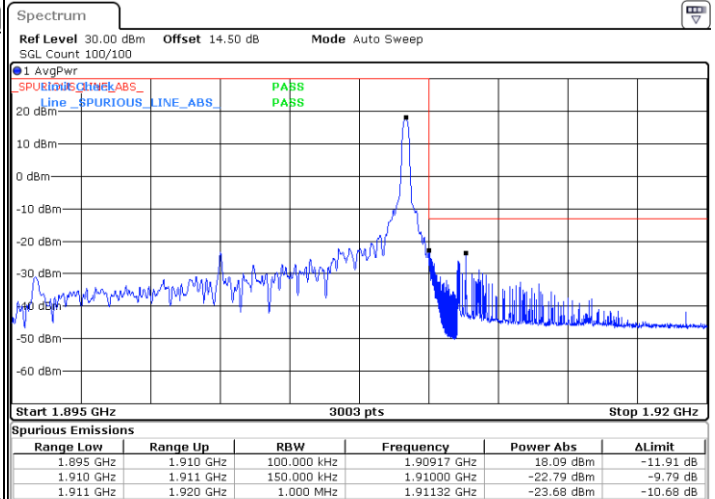


LTE Band 2 / 15MHz / 16QAM

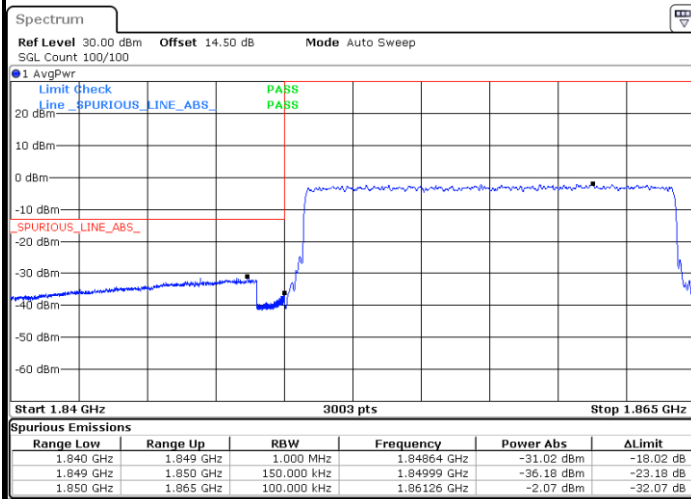
Lowest Band Edge / 1 RB



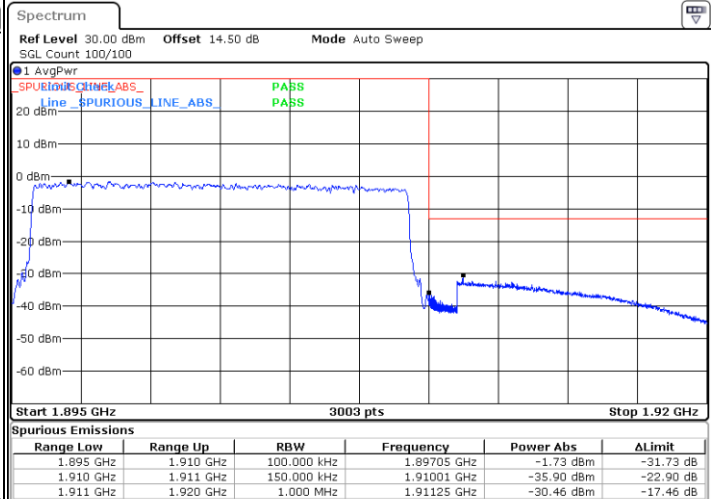
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



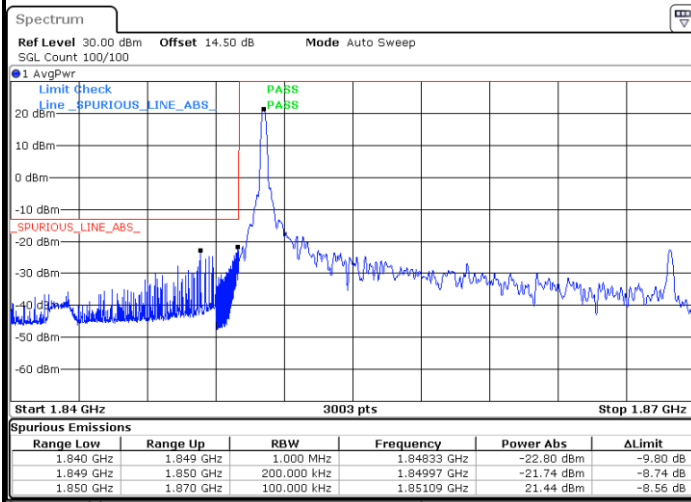
Highest Band Edge / Full RB



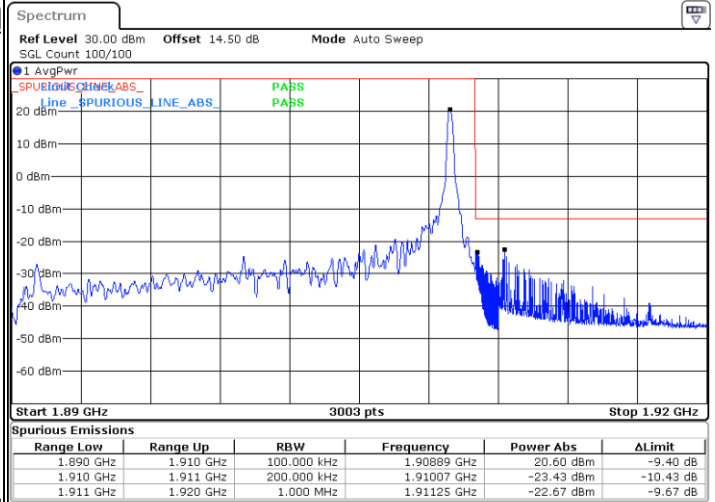


LTE Band 2 / 20MHz / QPSK

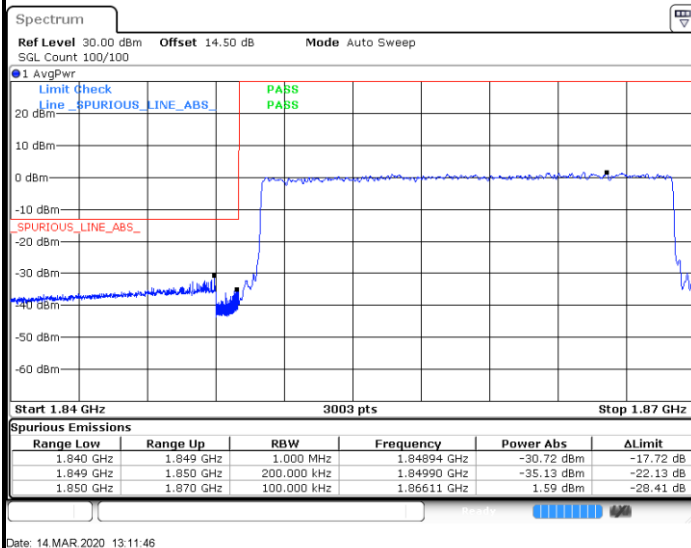
Lowest Band Edge / 1 RB



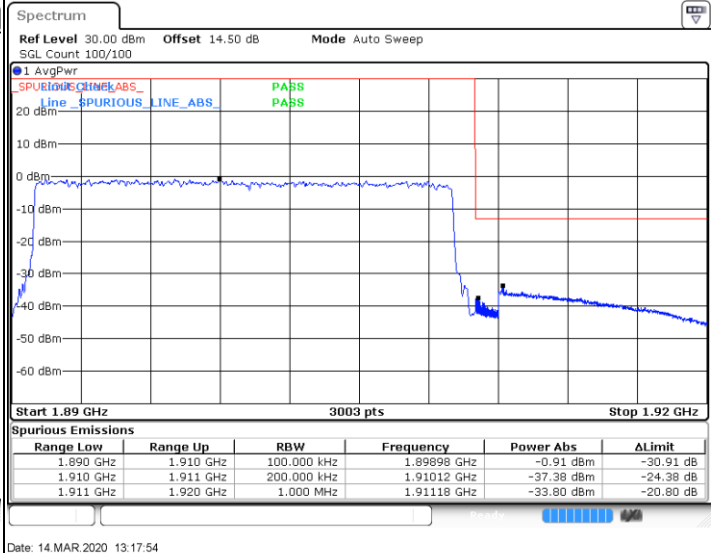
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



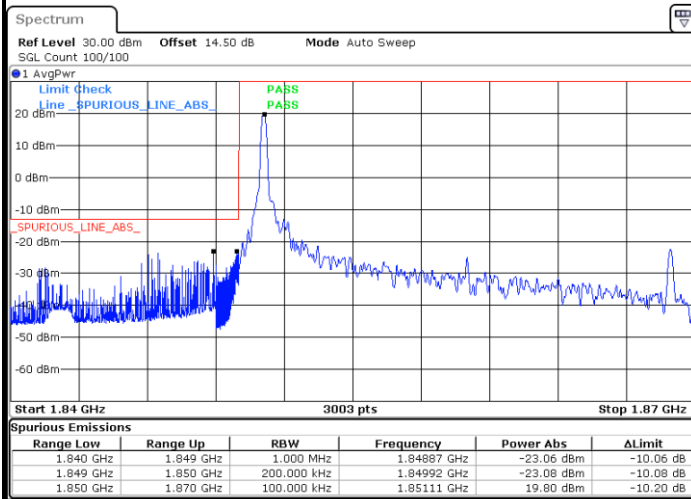
Highest Band Edge / Full RB



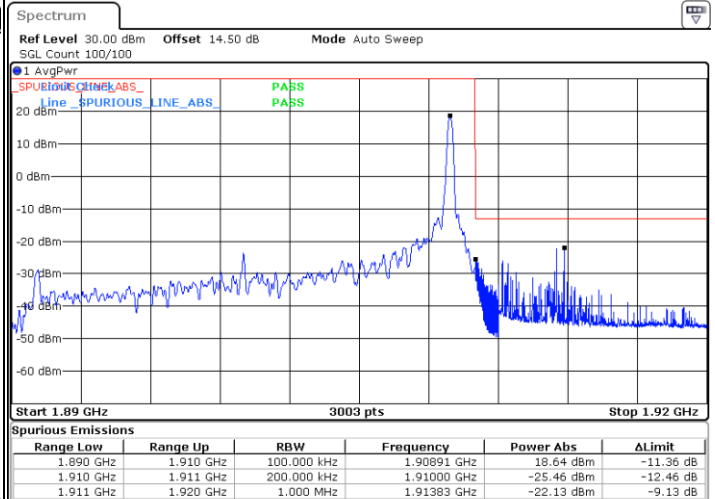


LTE Band 2 / 20MHz / 16QAM

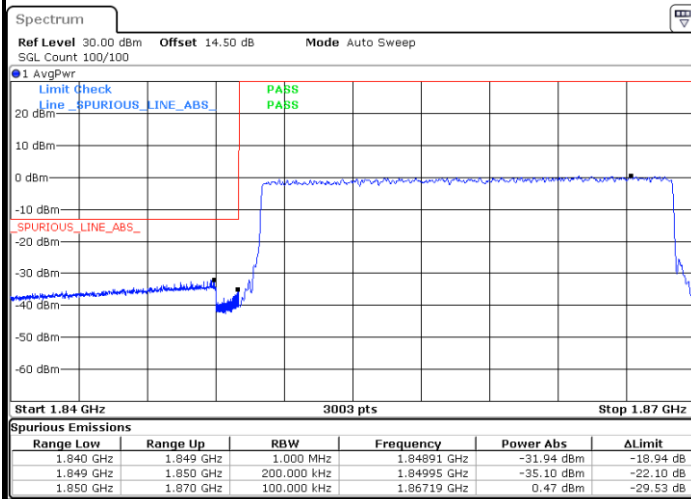
Lowest Band Edge / 1 RB



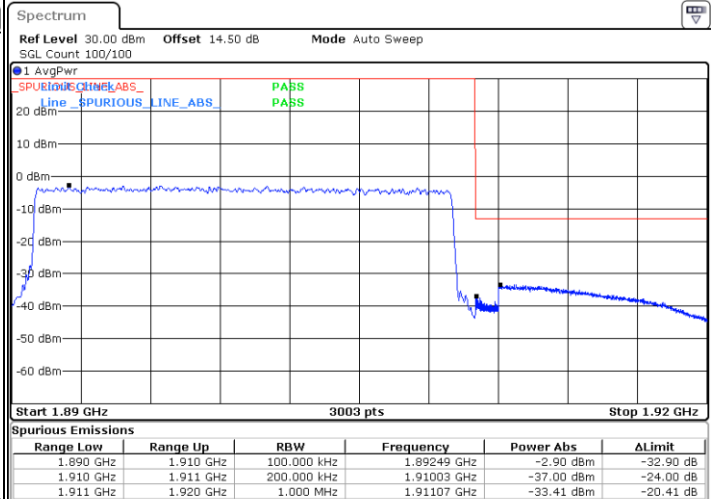
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

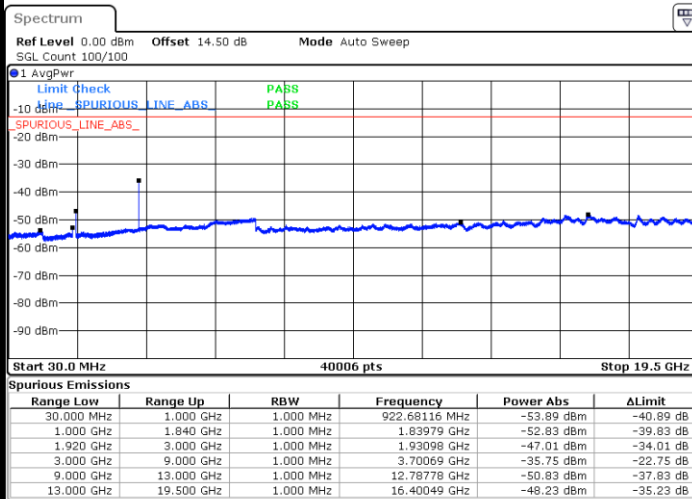




Conducted Spurious Emission

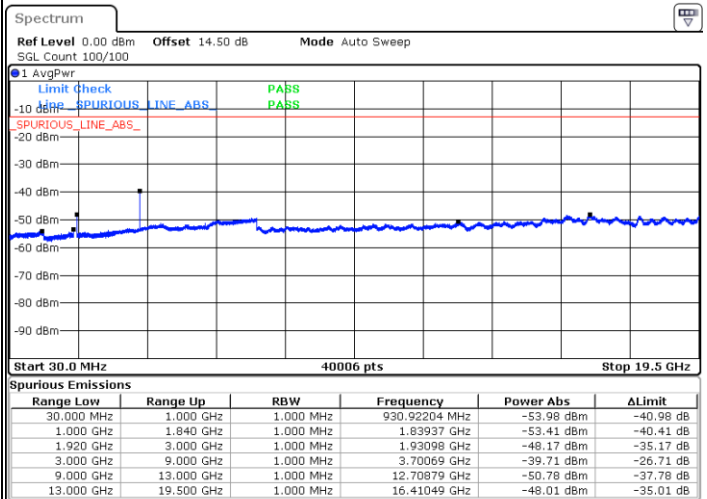
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



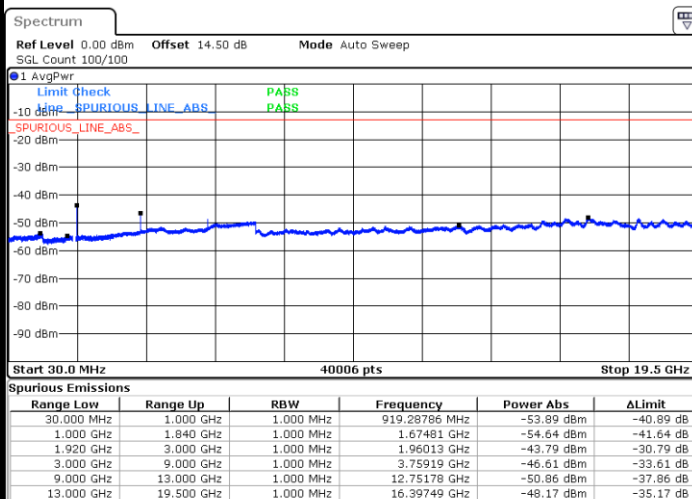
Date: 14 MAR 2020 13:41:54

Lowest Channel / 16QAM



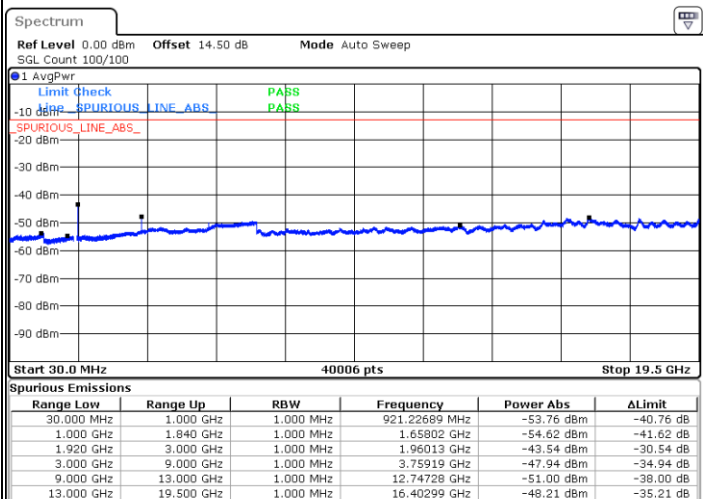
Date: 14 MAR 2020 13:42:30

Middle Channel / QPSK



Date: 14 MAR 2020 13:43:50

Middle Channel / 16QAM

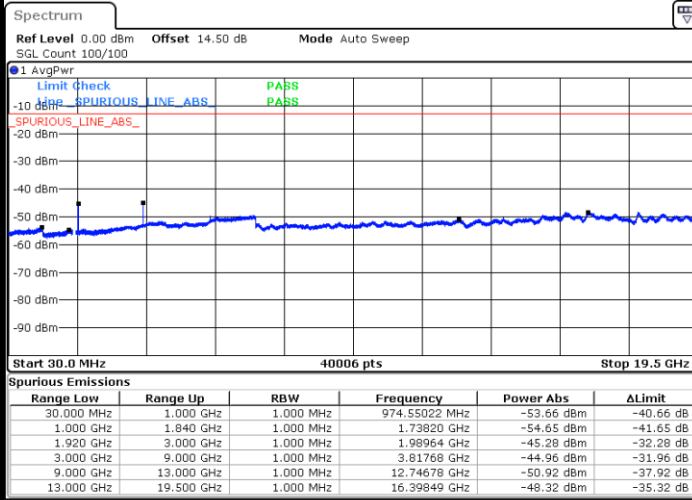


Date: 14 MAR 2020 13:44:26



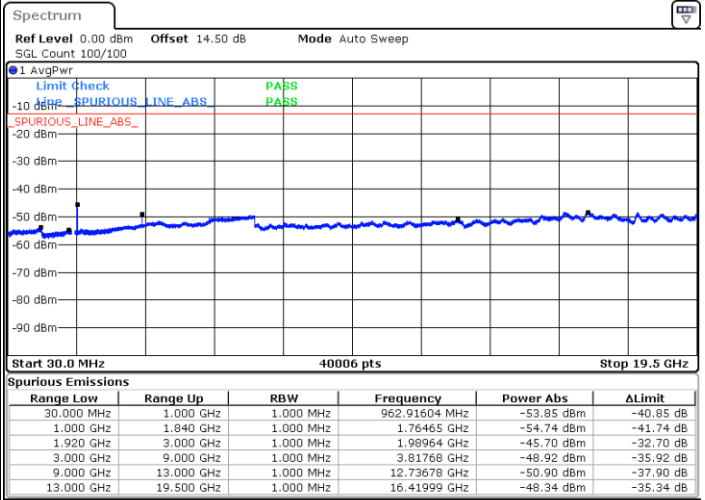
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 14.MAR.2020 13:51:44

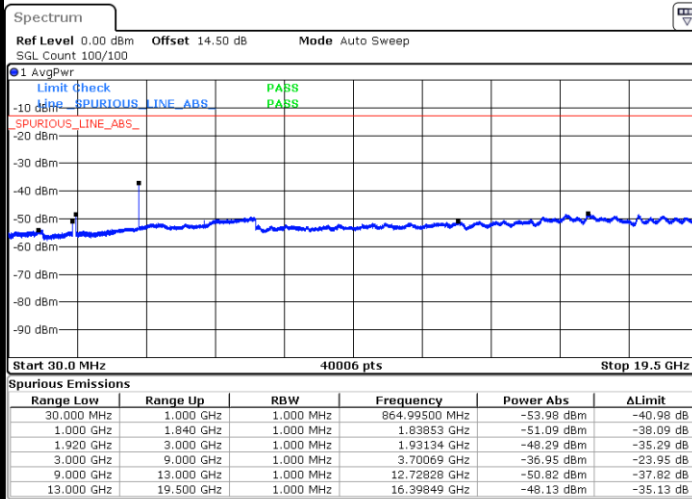
Highest Channel / 16QAM



Date: 14.MAR.2020 13:52:20

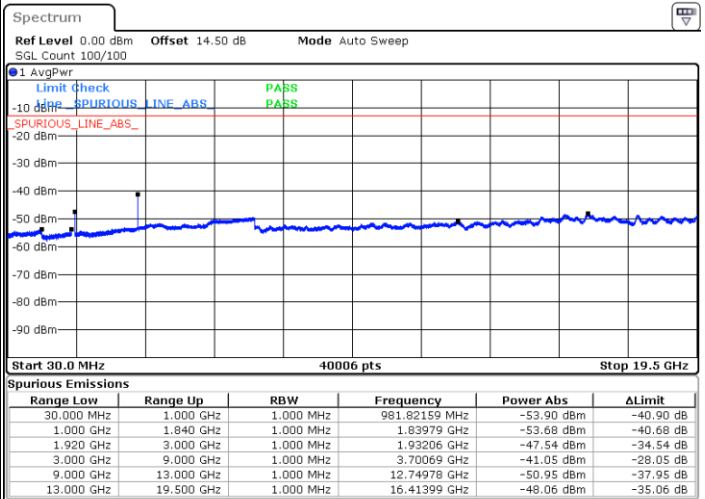
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 14.MAR.2020 11:32:40

Lowest Channel / 16QAM

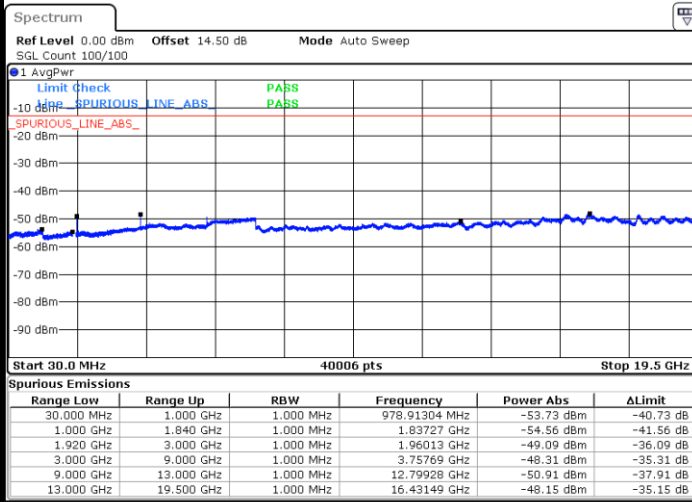


Date: 14.MAR.2020 11:33:16



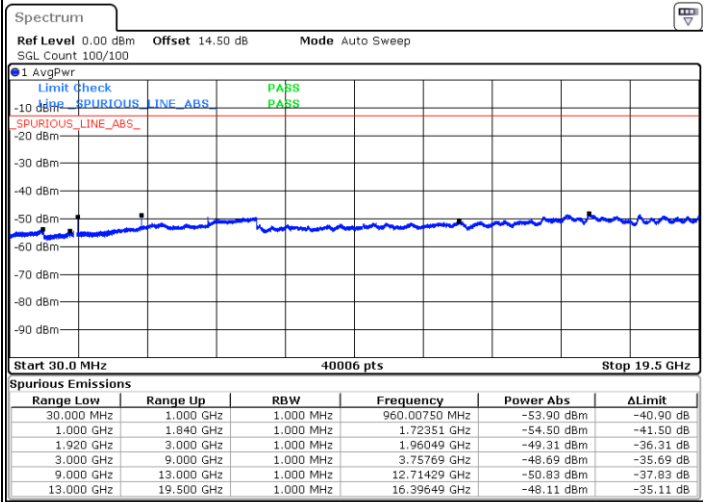
LTE Band 2 / 3MHz

Middle Channel / QPSK



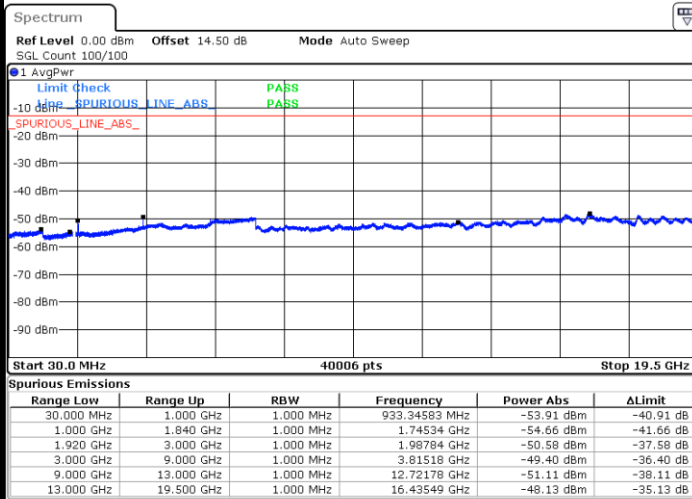
Date: 14.MAR.2020 11:34:36

Middle Channel / 16QAM



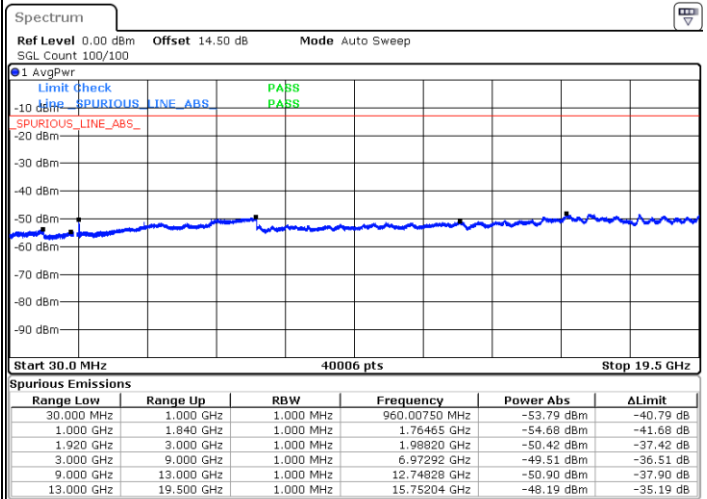
Date: 14.MAR.2020 11:35:12

Highest Channel / QPSK



Date: 14.MAR.2020 11:42:46

Highest Channel / 16QAM

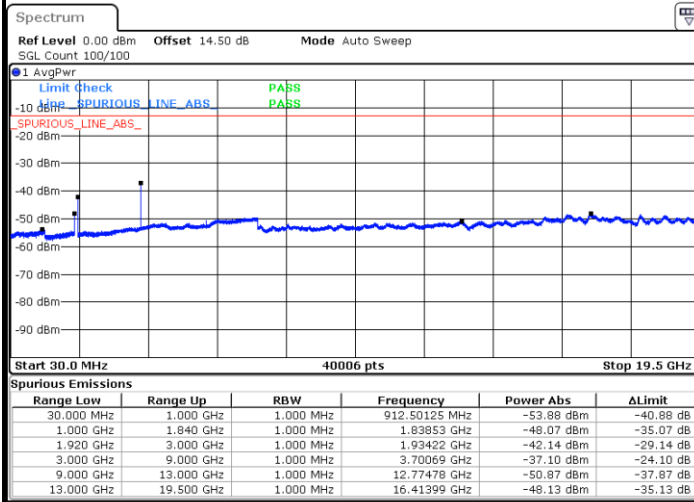


Date: 14.MAR.2020 11:43:22



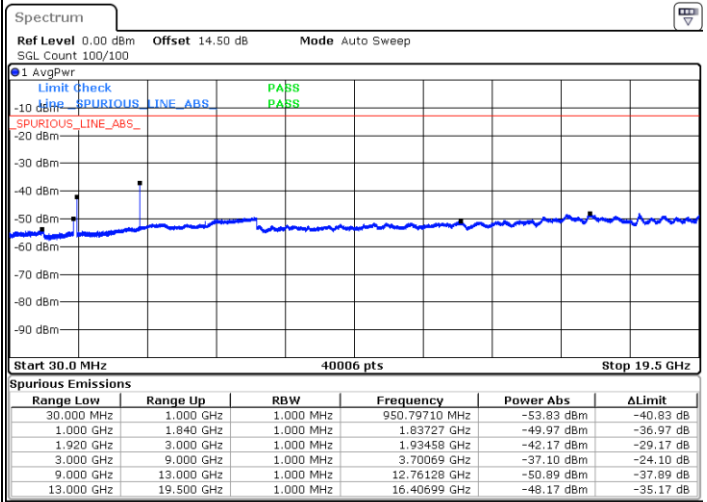
LTE Band 2 / 5MHz

Lowest Channel / QPSK



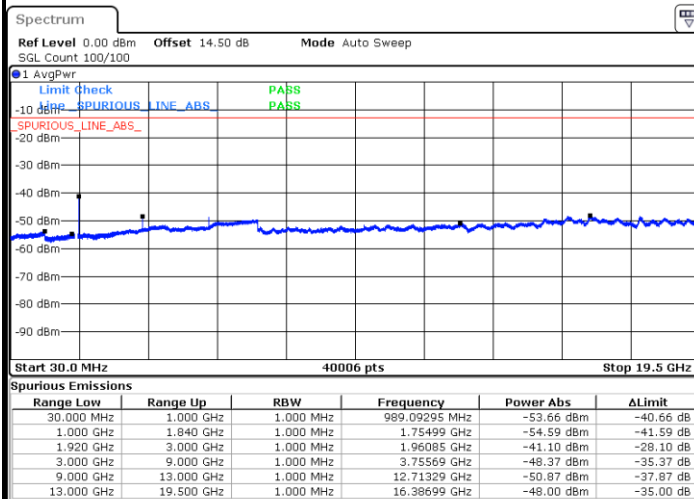
Date: 14.MAR.2020 11:47:42

Lowest Channel / 16QAM



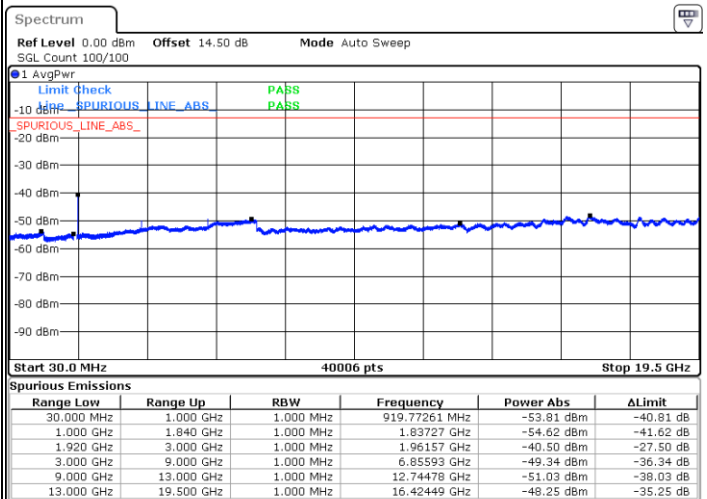
Date: 14.MAR.2020 11:48:18

Middle Channel / QPSK



Date: 14.MAR.2020 11:49:38

Middle Channel / 16QAM

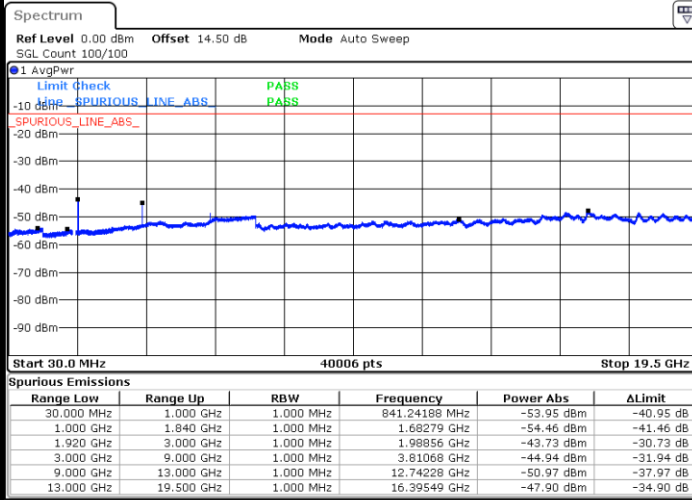


Date: 14.MAR.2020 11:50:14



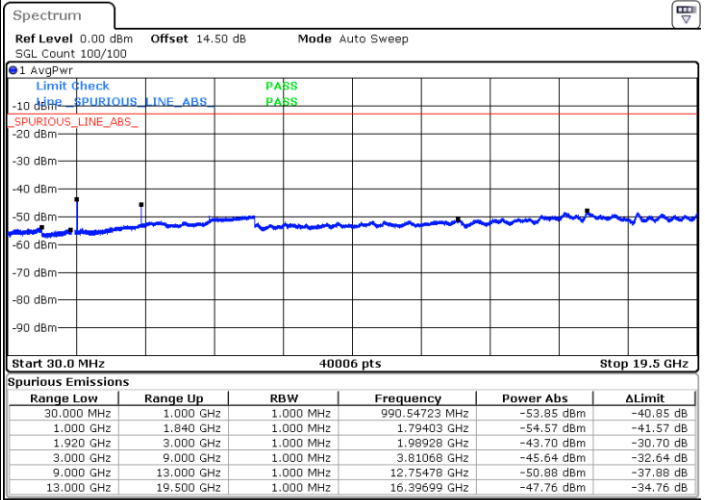
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 14.MAR.2020 11:56:13

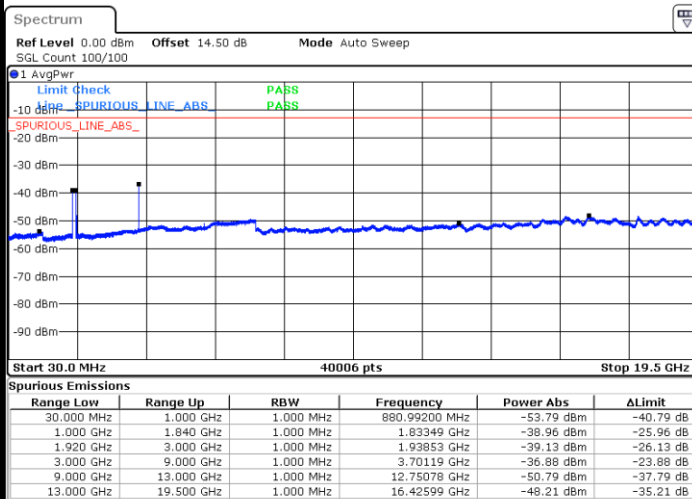
Highest Channel / 16QAM



Date: 14.MAR.2020 11:56:49

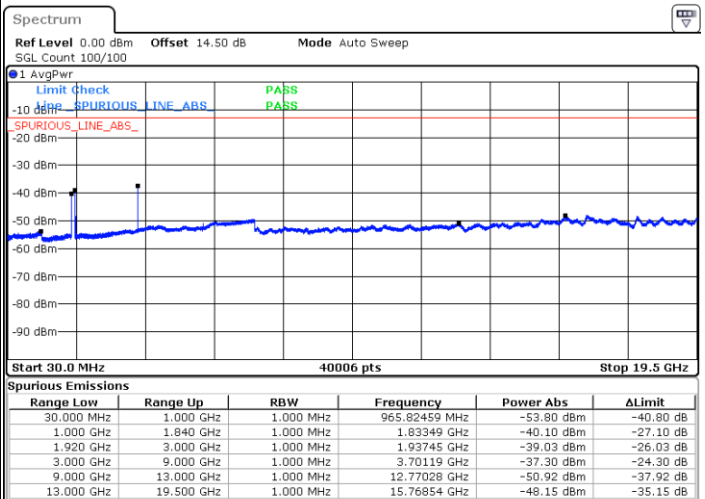
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 14.MAR.2020 12:42:35

Lowest Channel / 16QAM

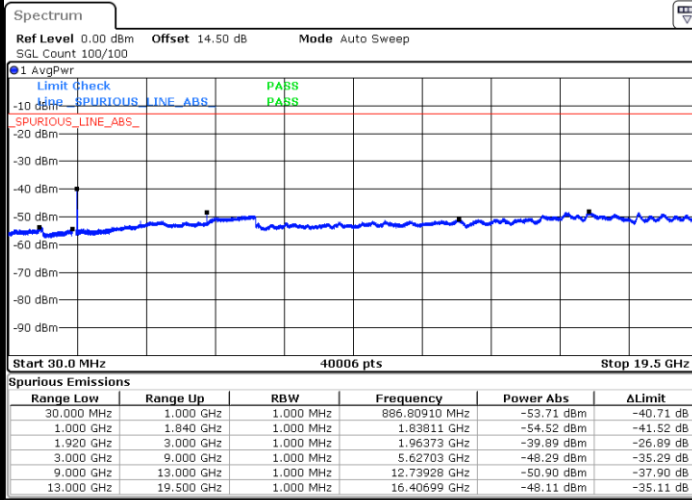


Date: 14.MAR.2020 12:43:12



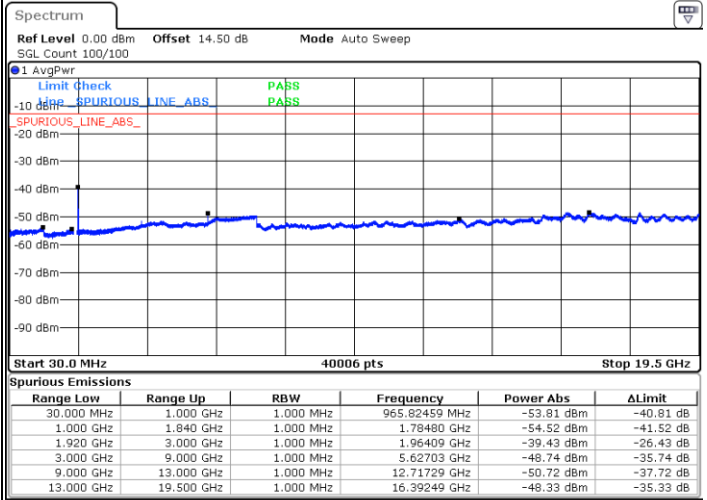
LTE Band 2 / 10MHz

Middle Channel / QPSK



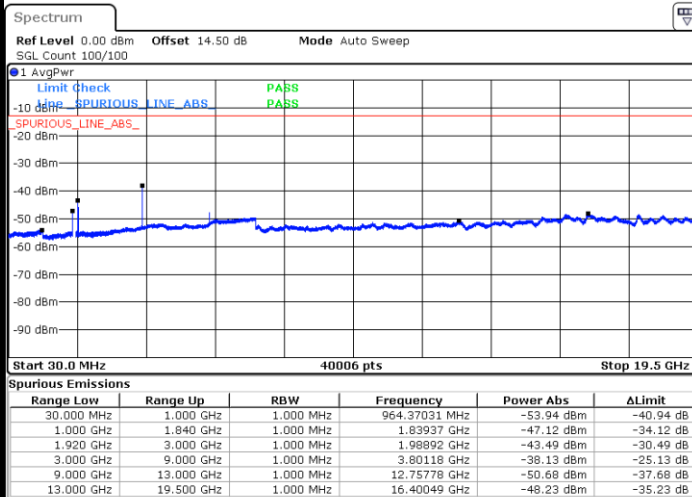
Date: 14.MAR.2020 12:44:31

Middle Channel / 16QAM



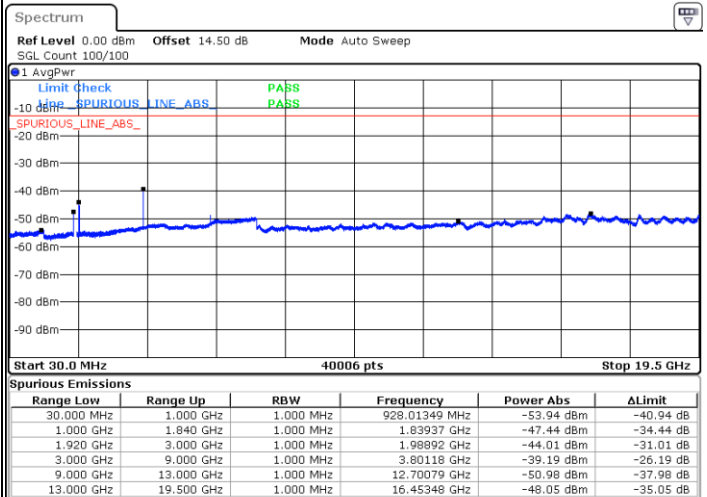
Date: 14.MAR.2020 12:45:07

Highest Channel / QPSK



Date: 14.MAR.2020 12:48:43

Highest Channel / 16QAM

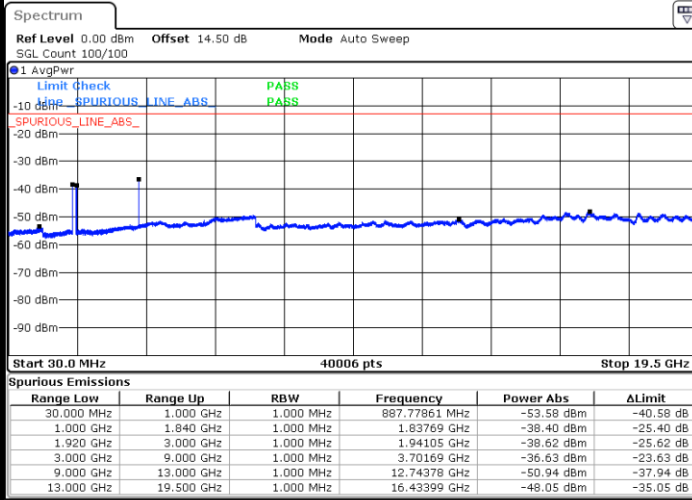


Date: 14.MAR.2020 12:49:19



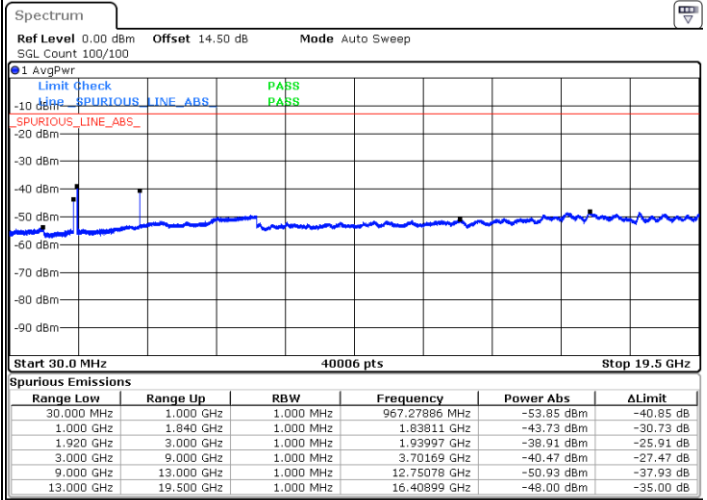
LTE Band 2 / 15MHz

Lowest Channel / QPSK



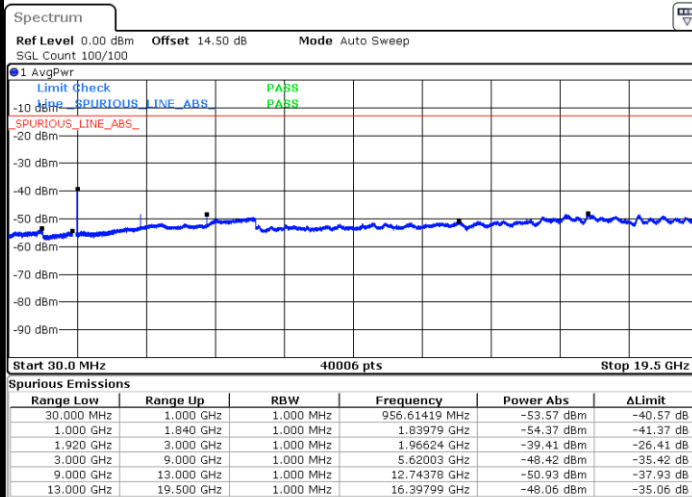
Date: 14.MAR.2020 13:02:38

Lowest Channel / 16QAM



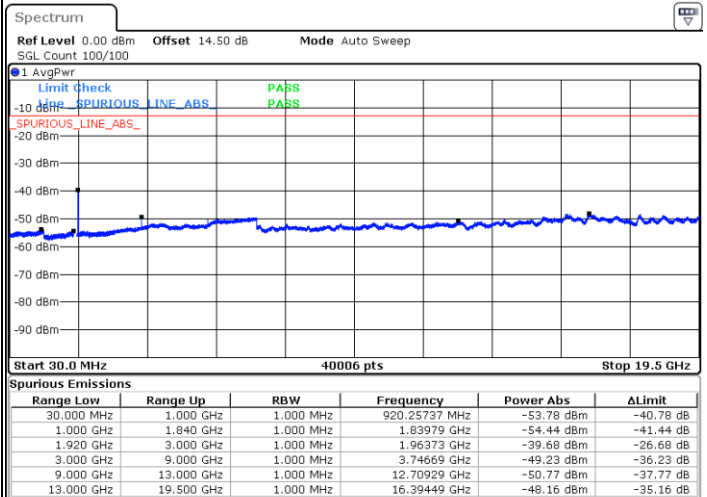
Date: 14.MAR.2020 13:03:14

Middle Channel / QPSK



Date: 14.MAR.2020 13:04:34

Middle Channel / 16QAM

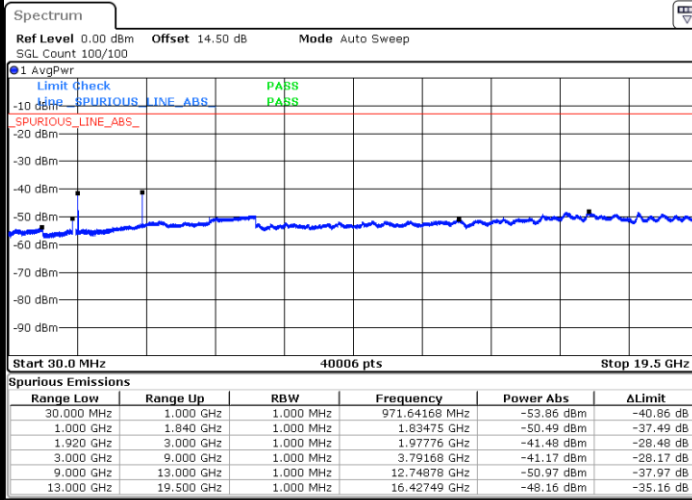


Date: 14.MAR.2020 13:05:10



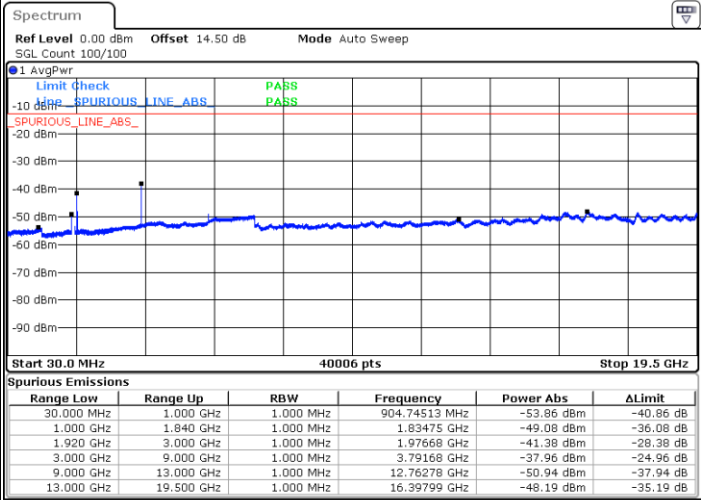
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 14 MAR 2020 13:08:45

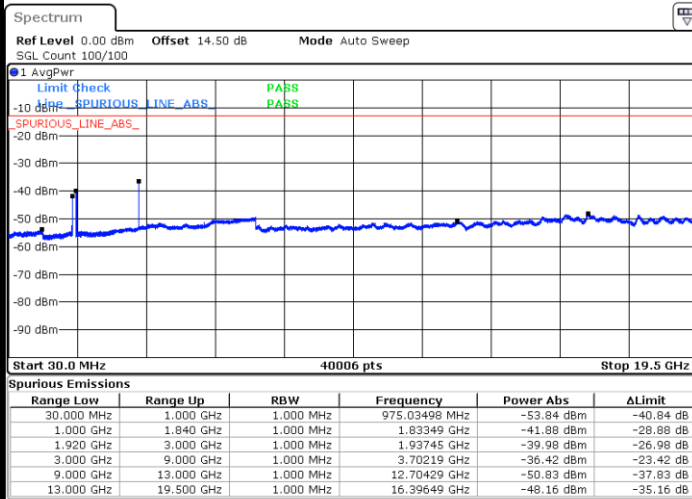
Highest Channel / 16QAM



Date: 14 MAR 2020 13:09:21

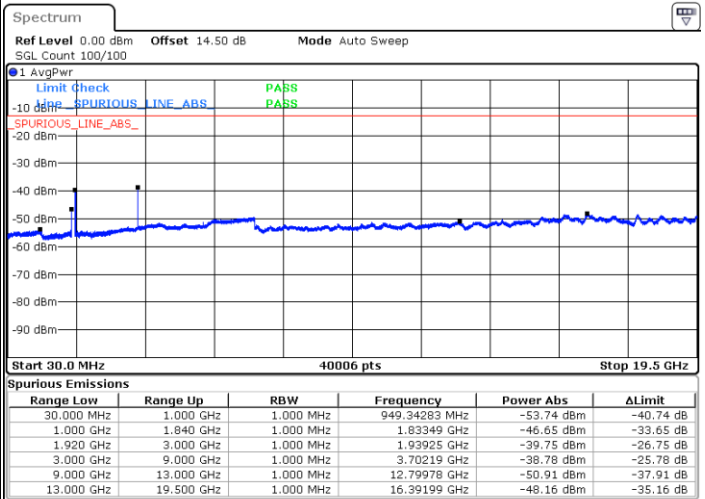
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 14 MAR 2020 13:12:57

Lowest Channel / 16QAM

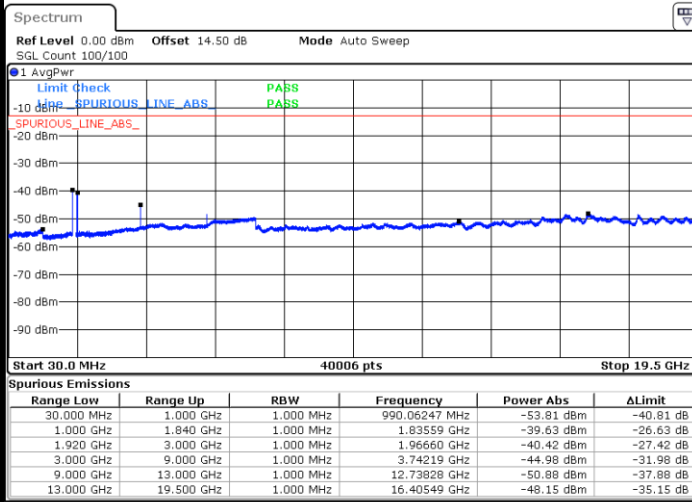


Date: 14 MAR 2020 13:13:33



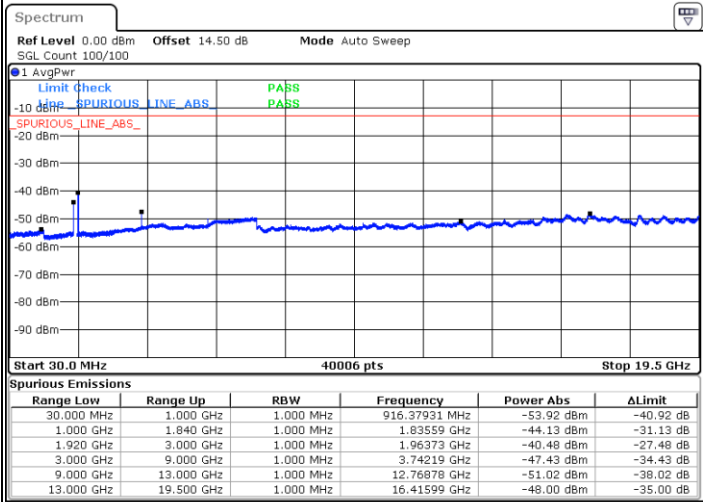
LTE Band 2 / 20MHz

Middle Channel / QPSK



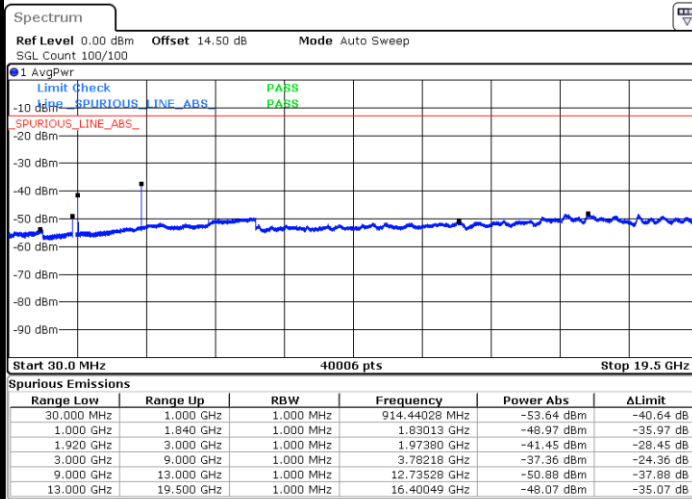
Date: 14.MAR.2020 13:14:53

Middle Channel / 16QAM



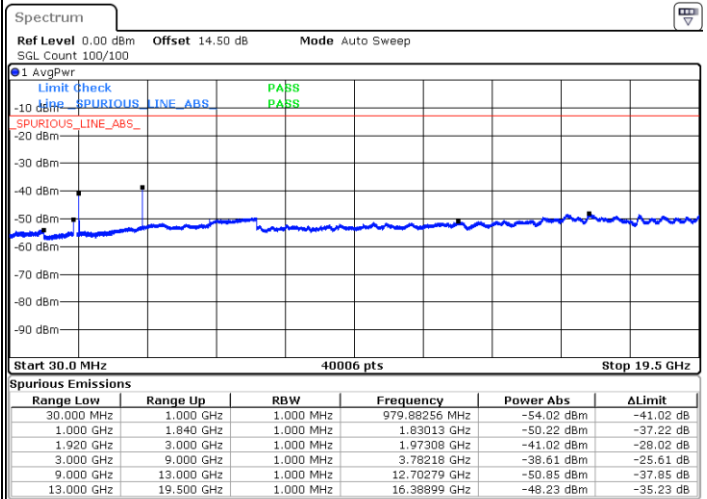
Date: 14.MAR.2020 13:15:29

Highest Channel / QPSK



Date: 14.MAR.2020 13:19:04

Highest Channel / 16QAM



Date: 14.MAR.2020 13:19:40

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0093	PASS
40	Normal Voltage	0.0062	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0151	
0	Normal Voltage	0.0137	
-10	Normal Voltage	0.0184	
-20	Normal Voltage	0.0133	
-30	Normal Voltage	0.0160	
20	Maximum Voltage	0.0126	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0148	

Note:

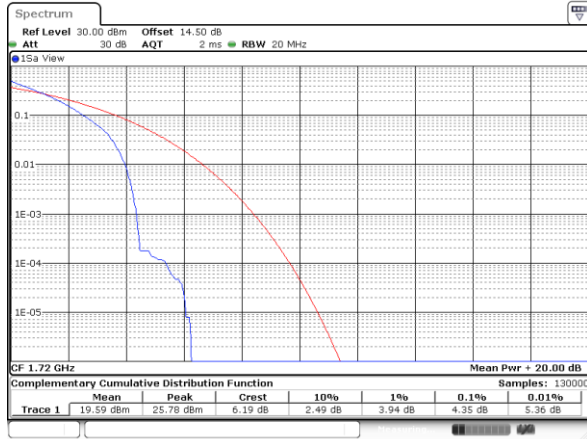
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



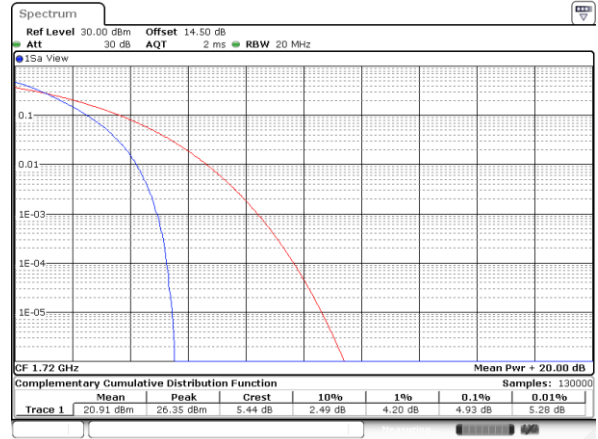
LTE Band 4

Peak-to-Average Ratio

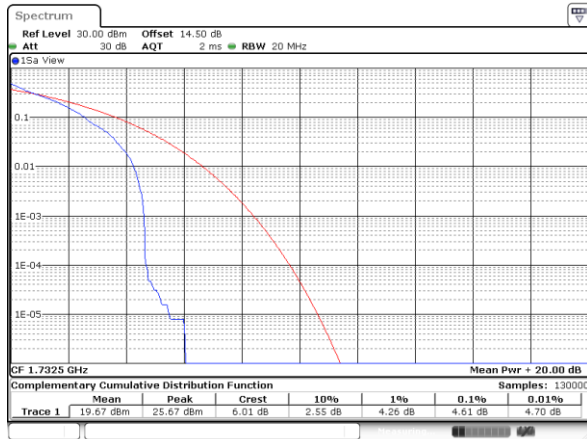
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.35	4.93	5.74	6.06	PASS
Middle CH	4.61	4.78	6.00	5.94	
Highest CH	4.67	5.01	5.65	6.14	

LTE Band 4 / 20MHz / QPSK
Lowest Channel / 1RB


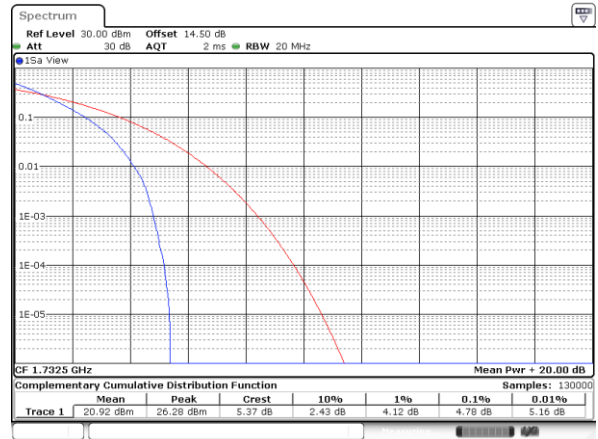
Date: 21.MAR.2020 02:27:23

Lowest Channel / Full RB


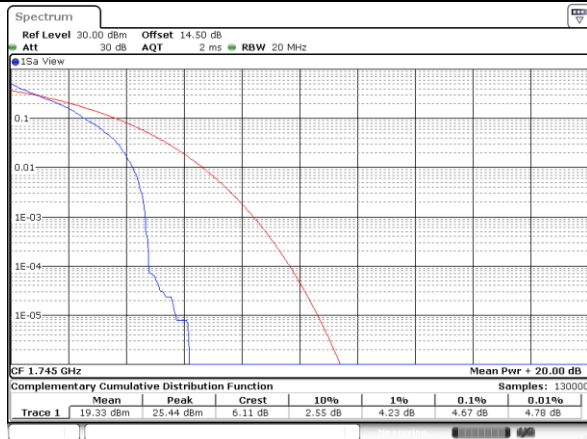
Date: 21.MAR.2020 02:29:47

Middle Channel / 1RB


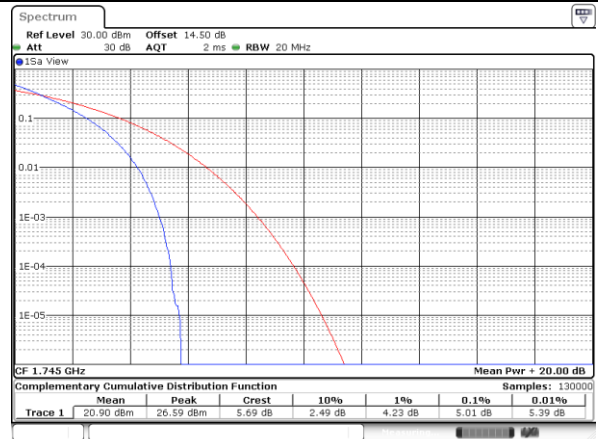
Date: 21.MAR.2020 02:26:56

Middle Channel / Full RB


Date: 21.MAR.2020 02:25:55

Highest Channel / 1RB


Date: 21.MAR.2020 02:31:17

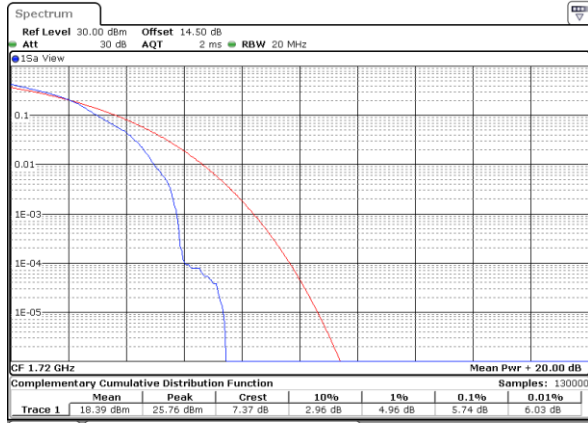
Highest Channel / Full RB


Date: 21.MAR.2020 02:30:13

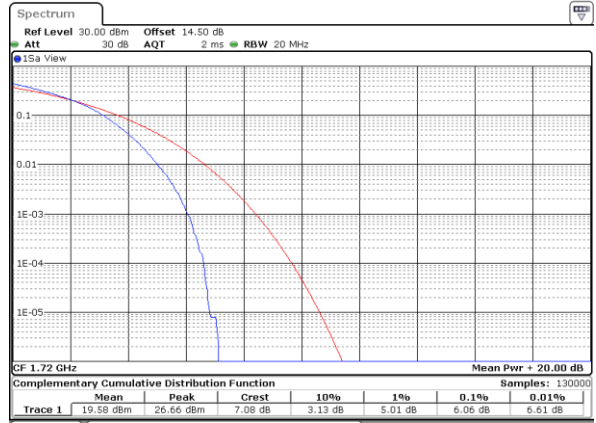


LTE Band 4 / 20MHz / 16QAM

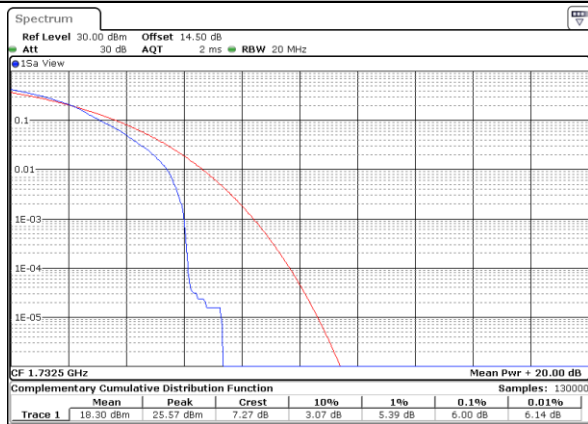
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



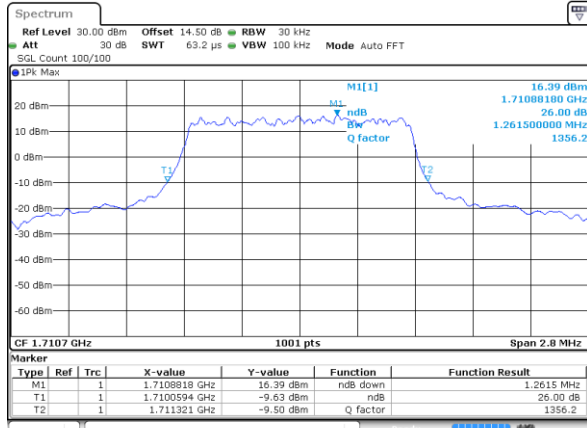
**26dB Bandwidth**

Mode	LTE Band 4 : 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	1.26	1.27	3.14	3.05	4.95	4.91	9.75	10.33	14.54	14.45	19.22	19.02
Middle CH	1.27	1.24	3.12	3.03	5.14	5.33	9.71	10.05	14.6	14.45	19.42	19.06
Highest CH	1.24	1.31	3.06	3.15	5.16	4.84	9.81	9.93	14.51	14.21	19.02	19.18



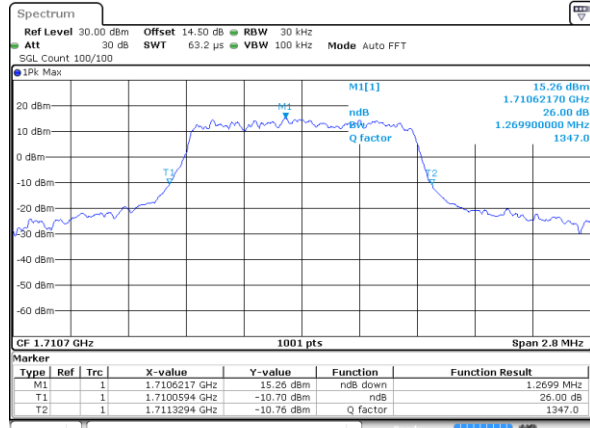
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



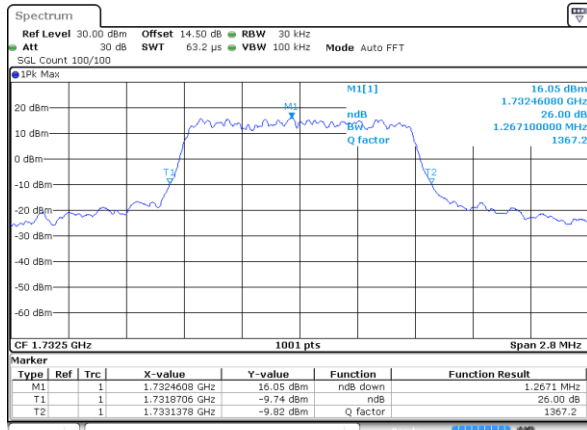
Date: 14 MAR 2020 18:34:17

Lowest Channel / 1.4MHz / 16QAM



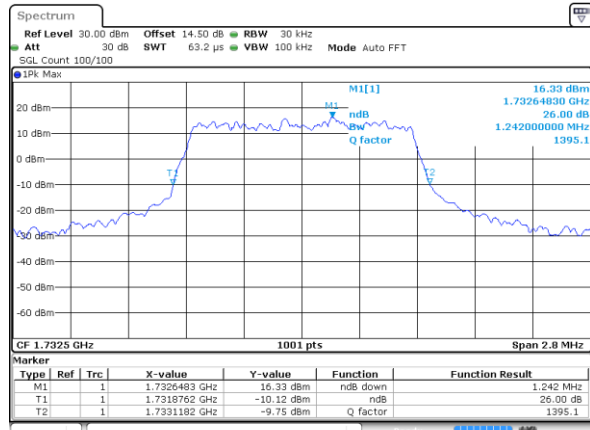
Date: 14 MAR 2020 18:34:28

Middle Channel / 1.4MHz / QPSK



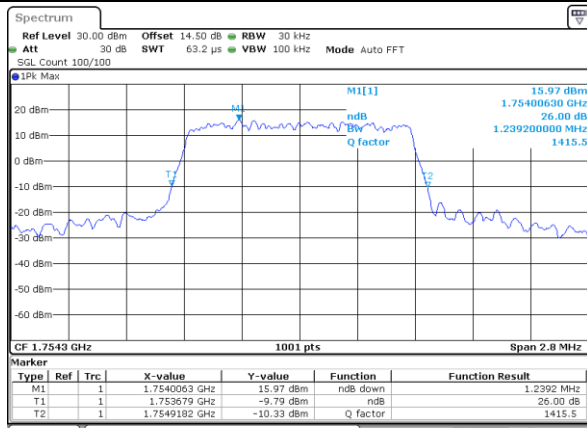
Date: 14 MAR 2020 18:40:18

Middle Channel / 1.4MHz / 16QAM



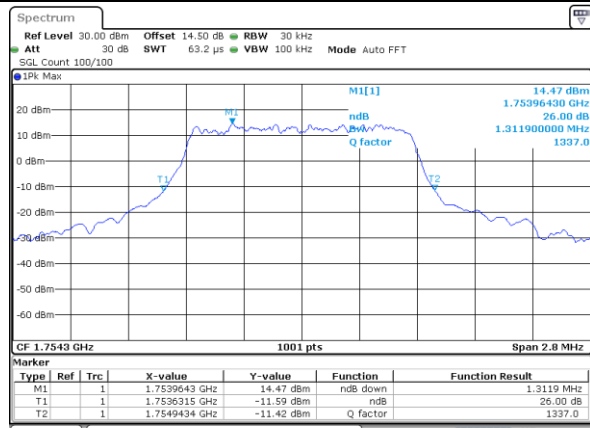
Date: 14 MAR 2020 18:40:29

Highest Channel / 1.4MHz / QPSK



Date: 14 MAR 2020 18:42:10

Highest Channel / 1.4MHz / 16QAM

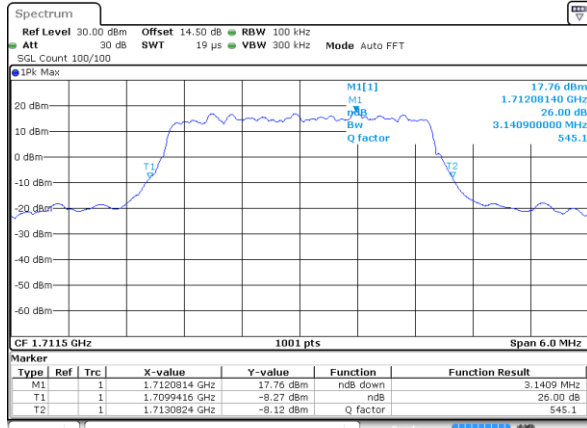


Date: 14 MAR 2020 18:42:21



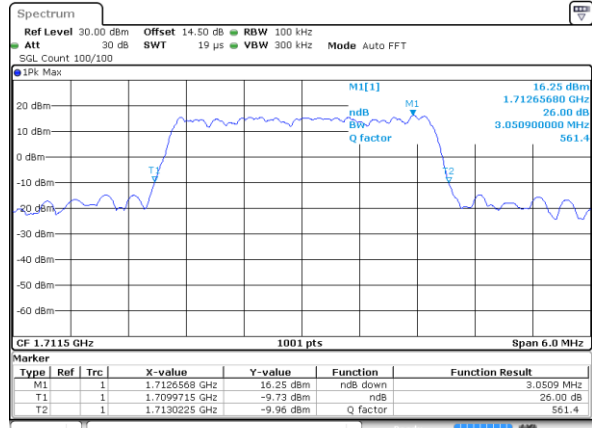
LTE Band 4

Lowest Channel / 3MHz / QPSK



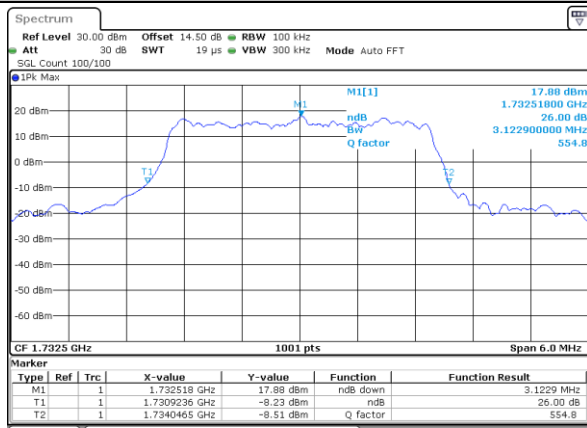
Date: 14 MAR 2020 17:04:52

Lowest Channel / 3MHz / 16QAM



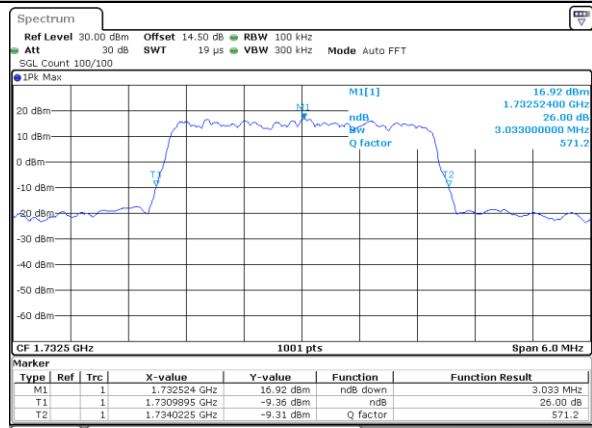
Date: 14 MAR 2020 17:05:04

Middle Channel / 3MHz / QPSK



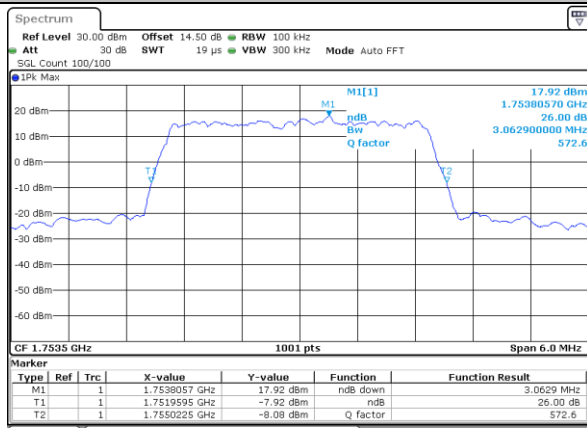
Date: 14 MAR 2020 17:10:41

Middle Channel / 3MHz / 16QAM



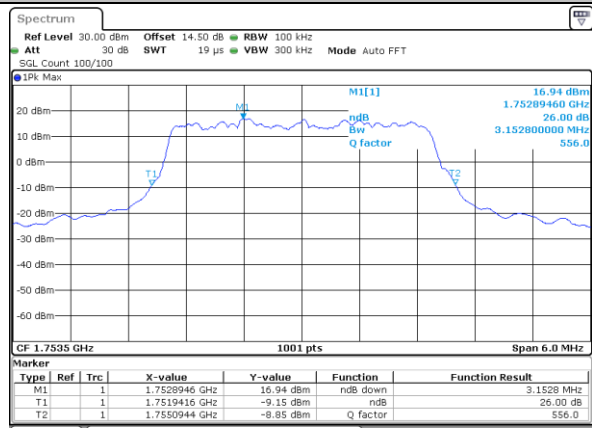
Date: 14 MAR 2020 17:10:52

Highest Channel / 3MHz / QPSK



Date: 14 MAR 2020 17:12:34

Highest Channel / 3MHz / 16QAM

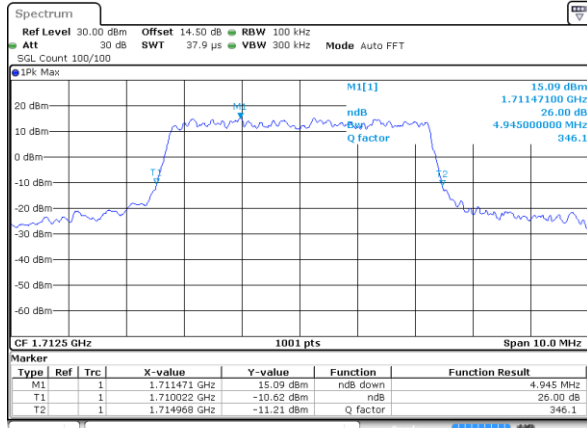


Date: 14 MAR 2020 17:12:45



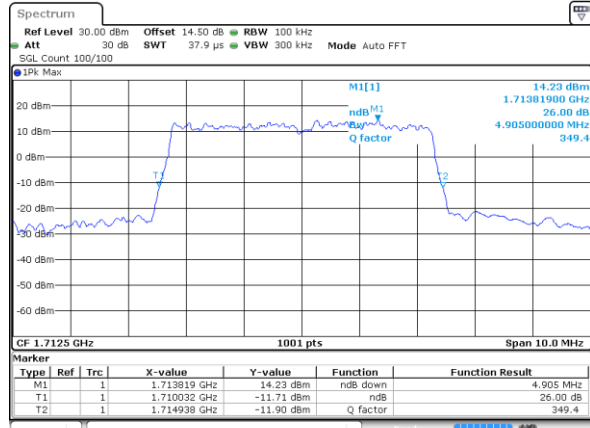
LTE Band 4

Lowest Channel / 5MHz / QPSK



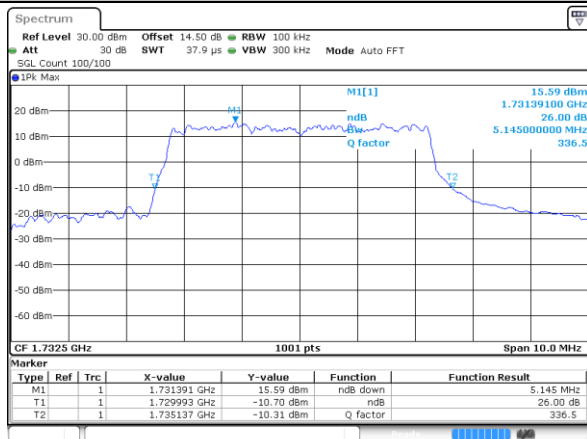
Date: 14 MAR 2020 17:18:22

Lowest Channel / 5MHz / 16QAM



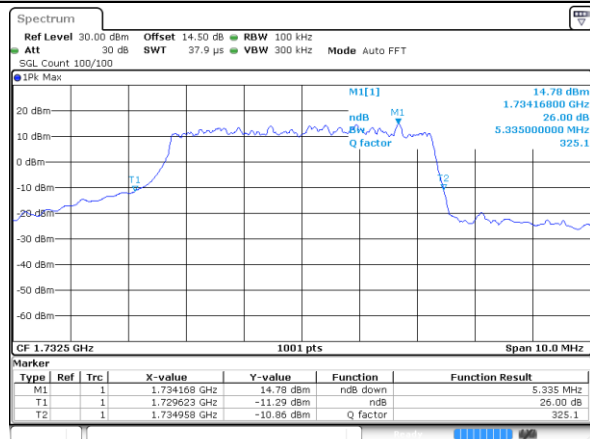
Date: 14 MAR 2020 17:18:33

Middle Channel / 5MHz / QPSK



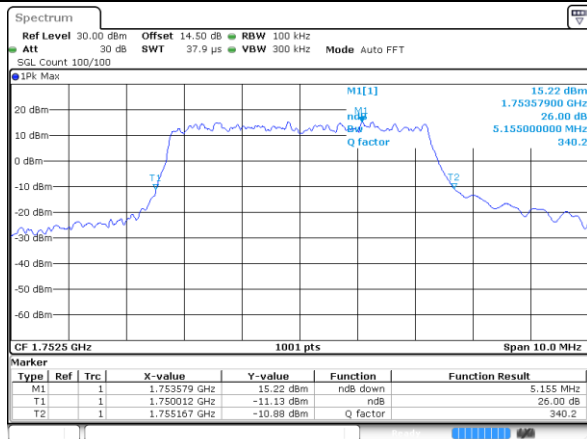
Date: 14 MAR 2020 17:24:10

Middle Channel / 5MHz / 16QAM



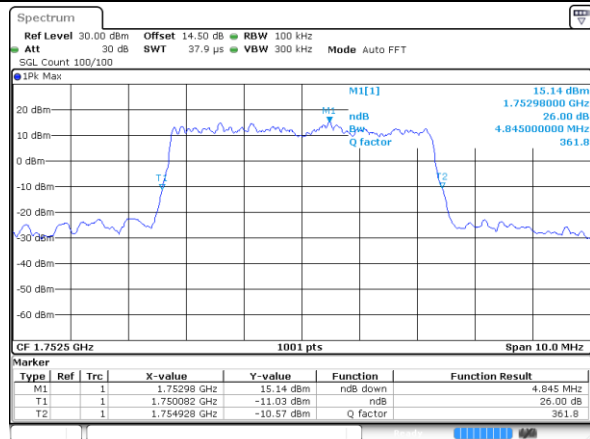
Date: 14 MAR 2020 17:24:21

Highest Channel / 5MHz / QPSK



Date: 14 MAR 2020 17:26:03

Highest Channel / 5MHz / 16QAM

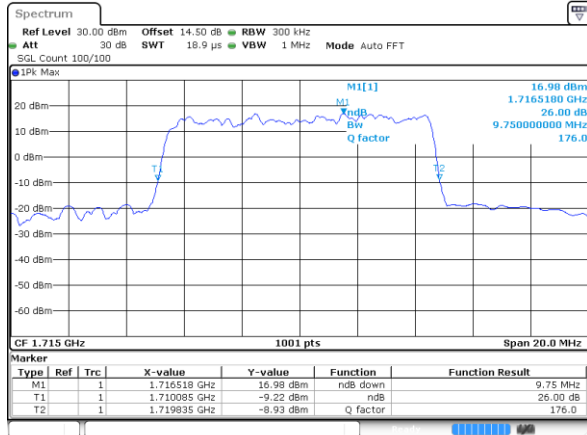


Date: 14 MAR 2020 17:26:14



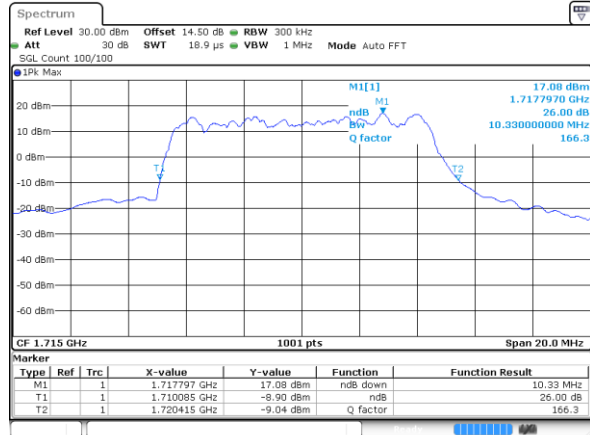
LTE Band 4

Lowest Channel / 10MHz / QPSK



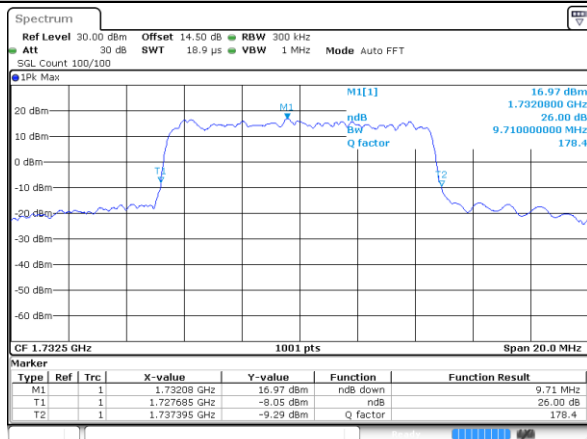
Date: 14 MAR 2020 17:31:51

Lowest Channel / 10MHz / 16QAM



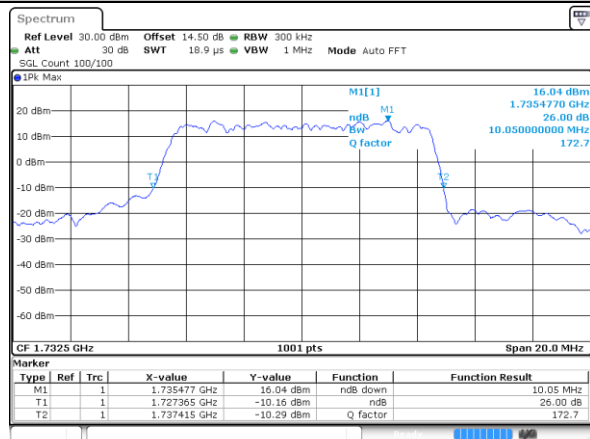
Date: 14 MAR 2020 17:32:02

Middle Channel / 10MHz / QPSK



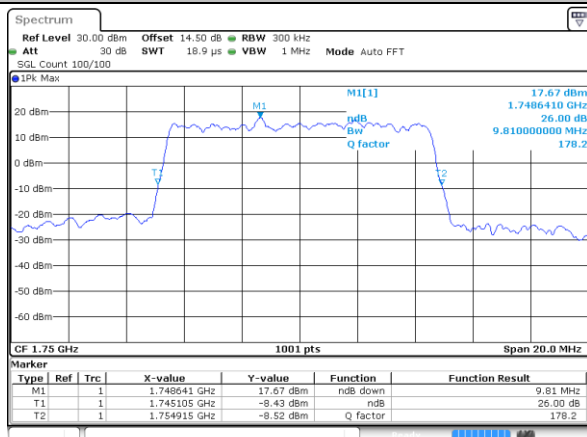
Date: 14 MAR 2020 17:37:39

Middle Channel / 10MHz / 16QAM



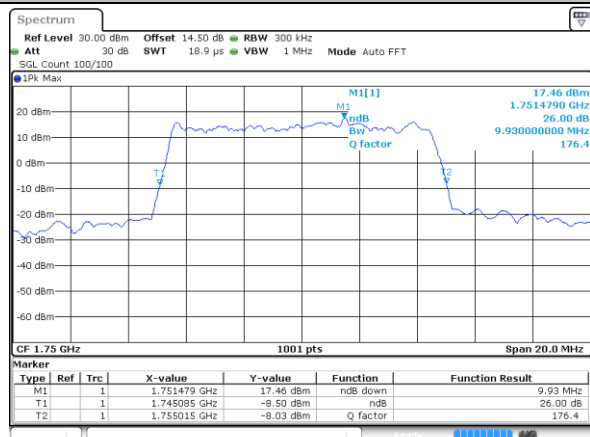
Date: 14 MAR 2020 17:37:50

Highest Channel / 10MHz / QPSK



Date: 14 MAR 2020 17:39:32

Highest Channel / 10MHz / 16QAM

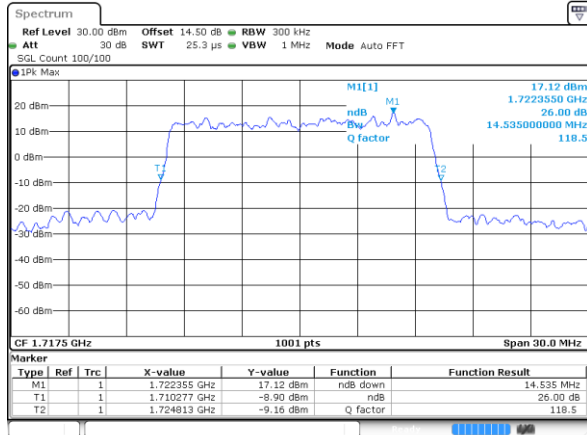


Date: 14 MAR 2020 17:39:43



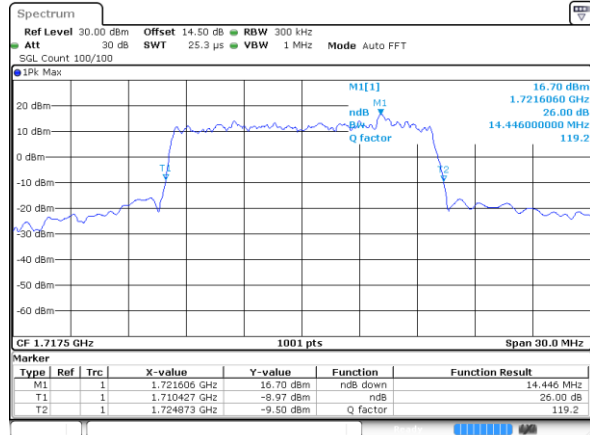
LTE Band 4

Lowest Channel / 15MHz / QPSK



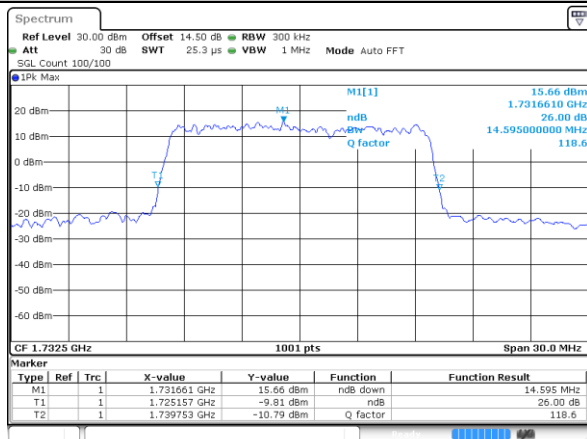
Date: 14 MAR 2020 17:45:20

Lowest Channel / 15MHz / 16QAM



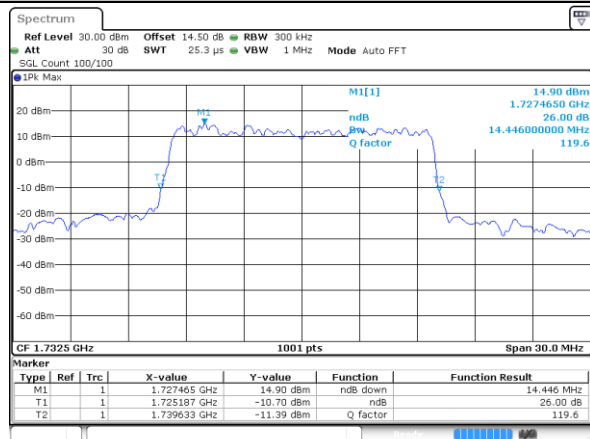
Date: 14 MAR 2020 17:45:31

Middle Channel / 15MHz / QPSK



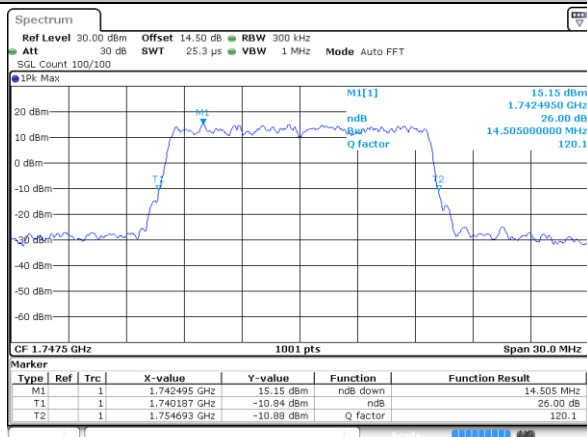
Date: 14 MAR 2020 17:51:08

Middle Channel / 15MHz / 16QAM



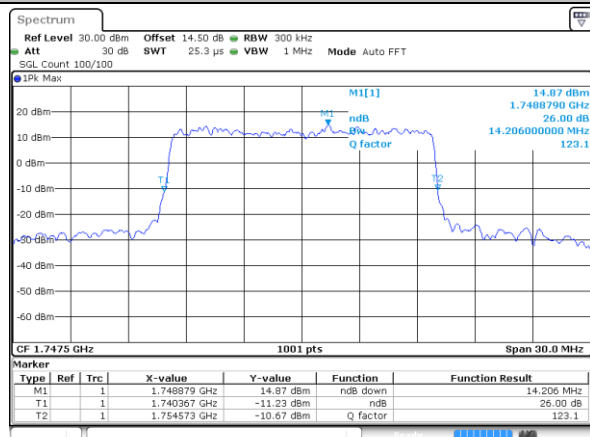
Date: 14 MAR 2020 17:51:19

Highest Channel / 15MHz / QPSK



Date: 14 MAR 2020 17:53:01

Highest Channel / 15MHz / 16QAM

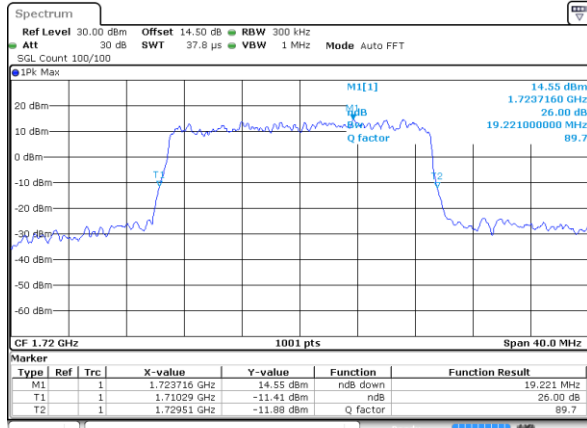


Date: 14 MAR 2020 17:53:12



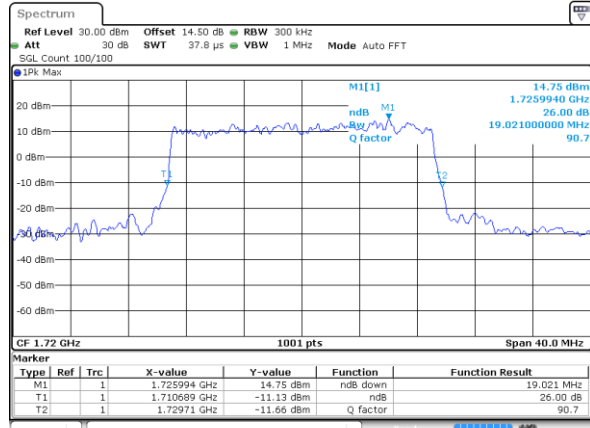
LTE Band 4

Lowest Channel / 20MHz / QPSK



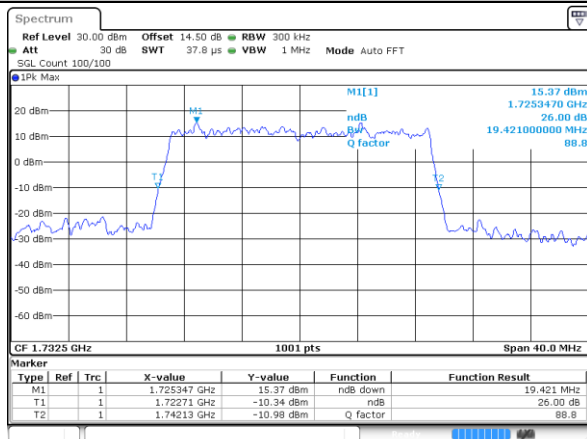
Date: 14 MAR 2020 17:58:49

Lowest Channel / 20MHz / 16QAM



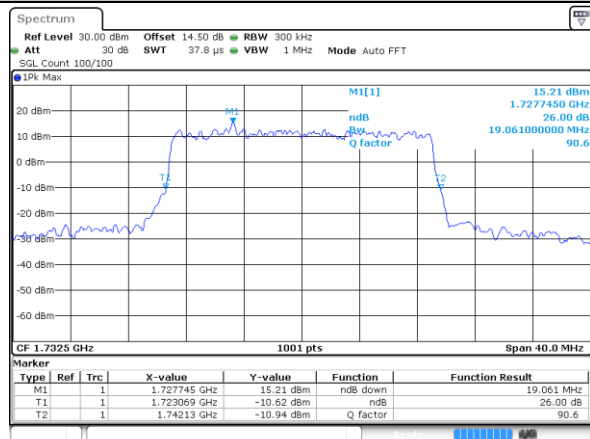
Date: 14 MAR 2020 17:59:00

Middle Channel / 20MHz / QPSK



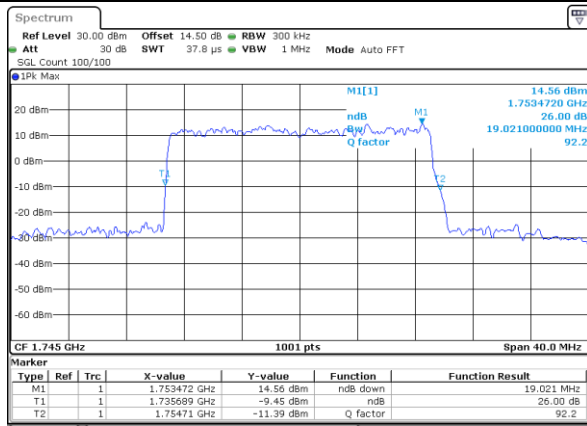
Date: 14 MAR 2020 18:04:37

Middle Channel / 20MHz / 16QAM



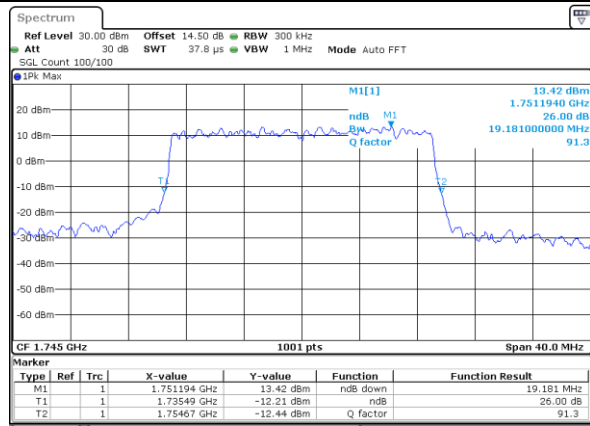
Date: 14 MAR 2020 18:04:48

Highest Channel / 20MHz / QPSK



Date: 14 MAR 2020 18:06:30

Highest Channel / 20MHz / 16QAM



Date: 14 MAR 2020 18:06:41