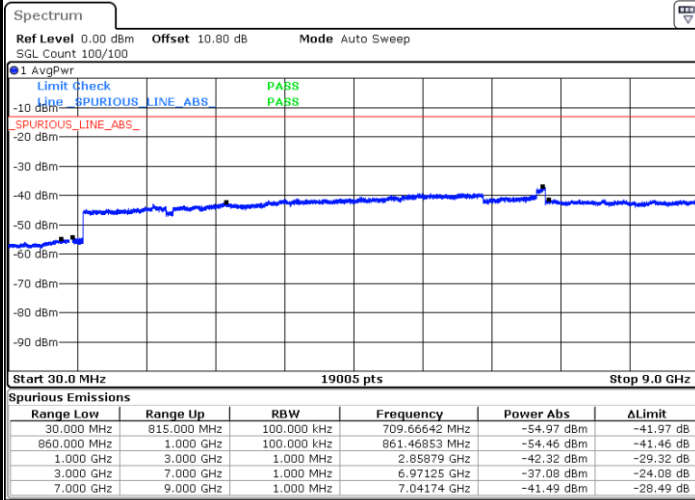




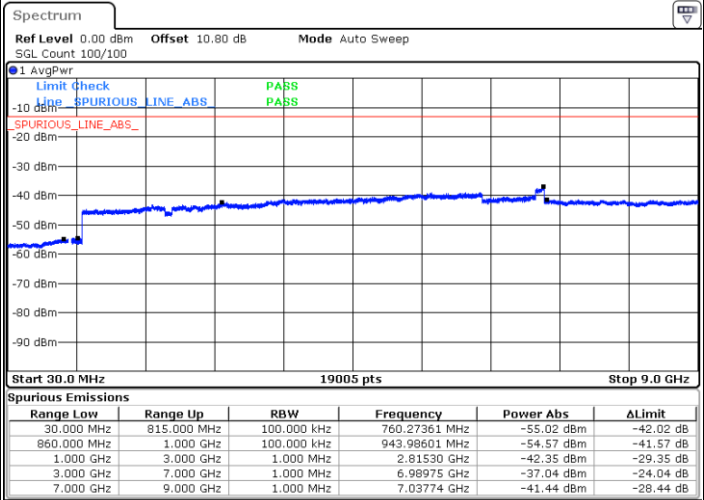
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 27.JAN.2020 05:12:46

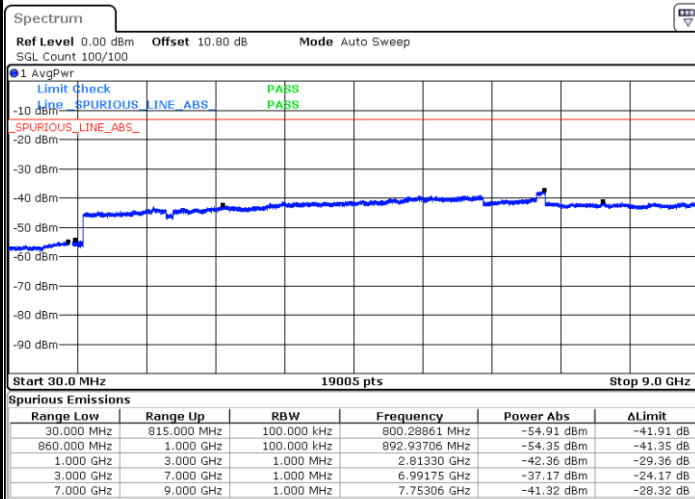
Highest Channel / 16QAM



Date: 27.JAN.2020 05:13:41

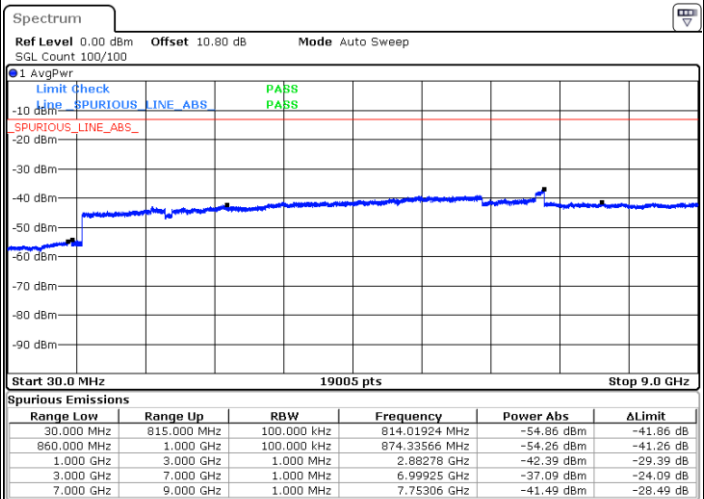
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 27.JAN.2020 06:13:53

Lowest Channel / 16QAM



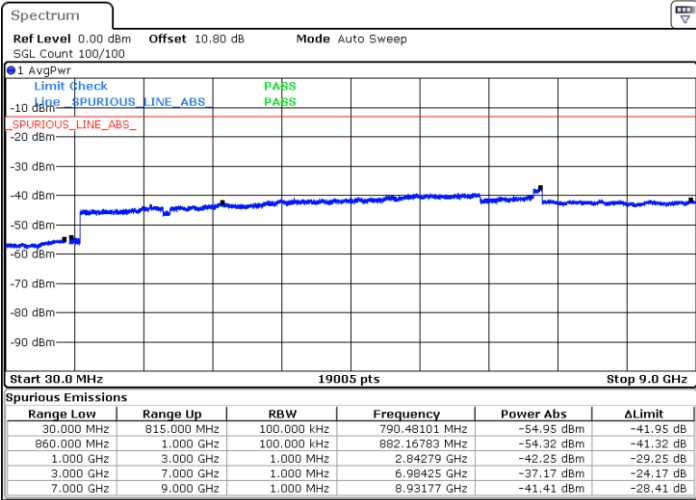
Date: 27.JAN.2020 06:14:47



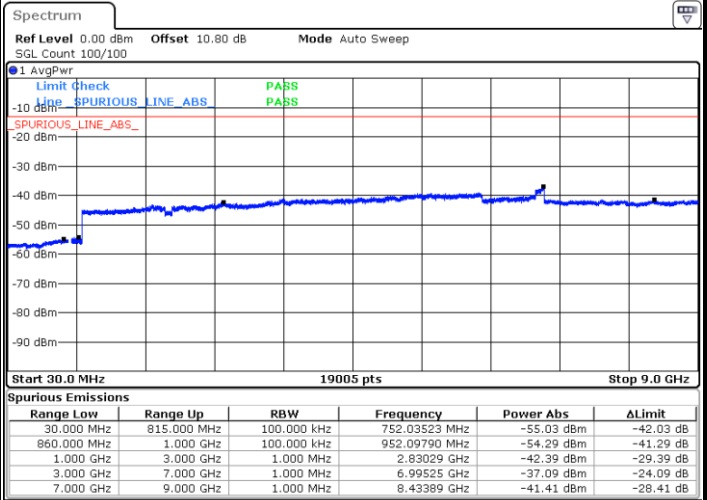
LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



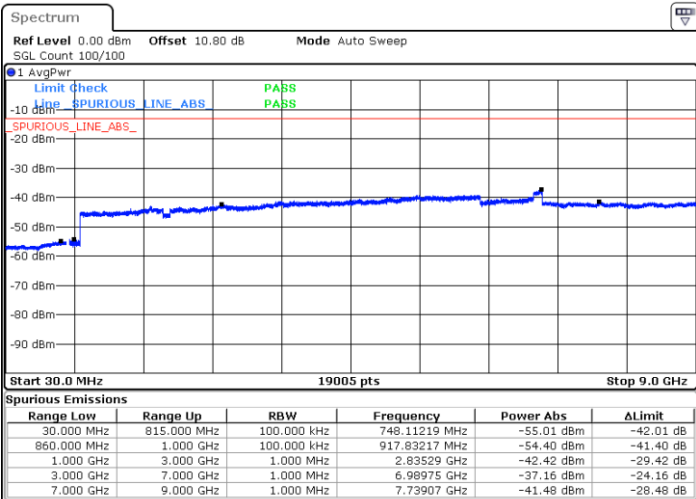
Date: 27.JAN.2020 06:16:37



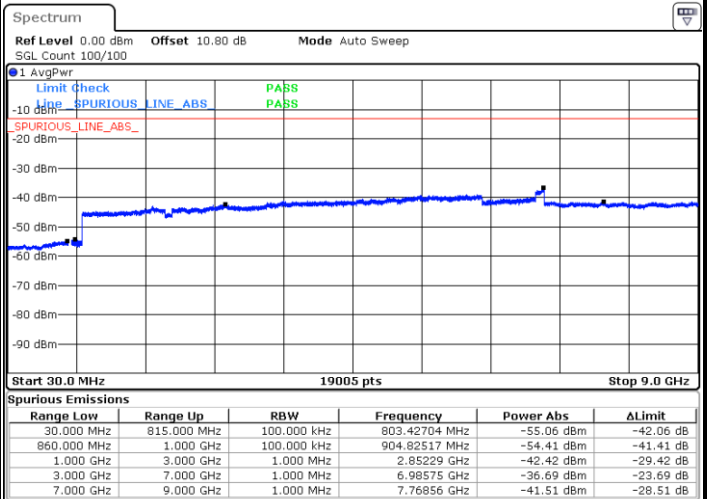
Date: 27.JAN.2020 06:17:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.JAN.2020 06:23:11



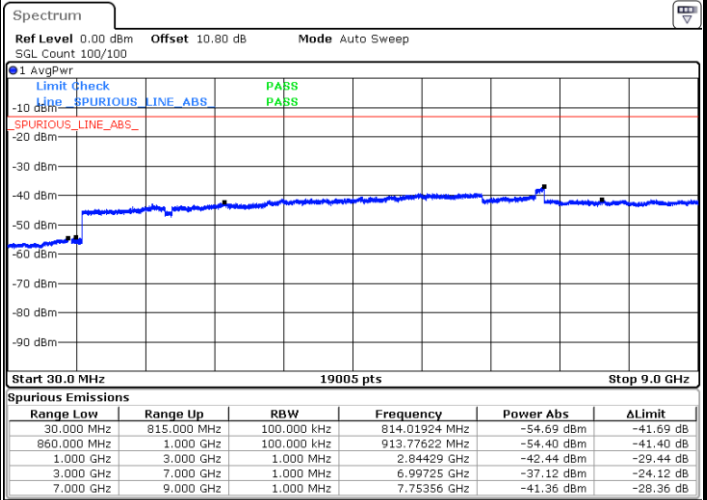
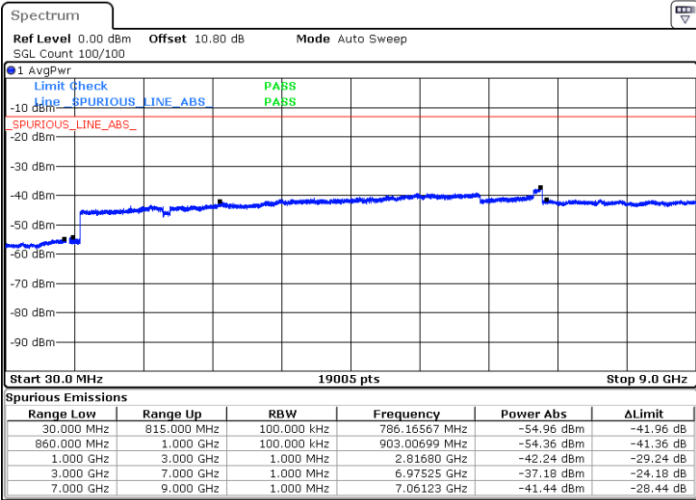
Date: 27.JAN.2020 06:24:05



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

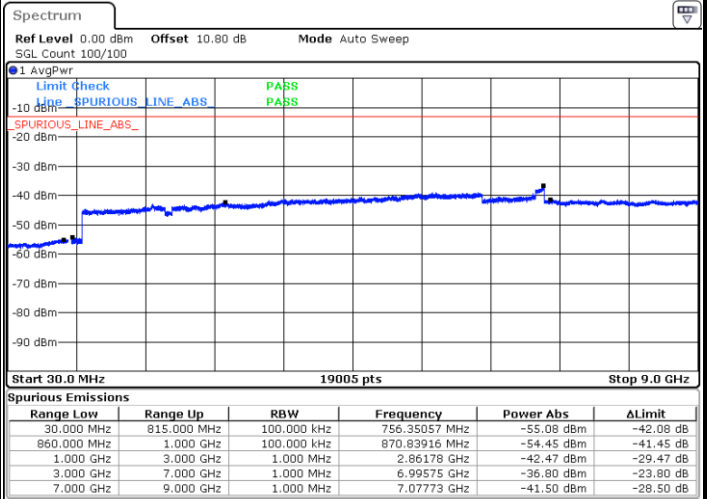
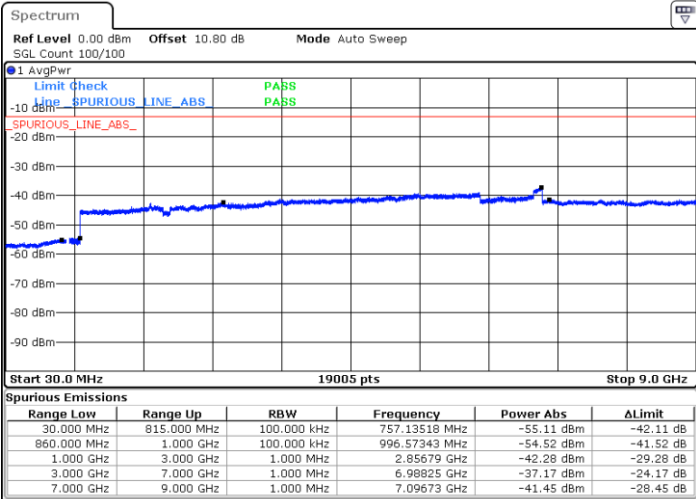


Date: 27. JAN. 2020 06:29:40

Date: 27. JAN. 2020 06:30:35

Middle Channel / QPSK

Middle Channel / 16QAM



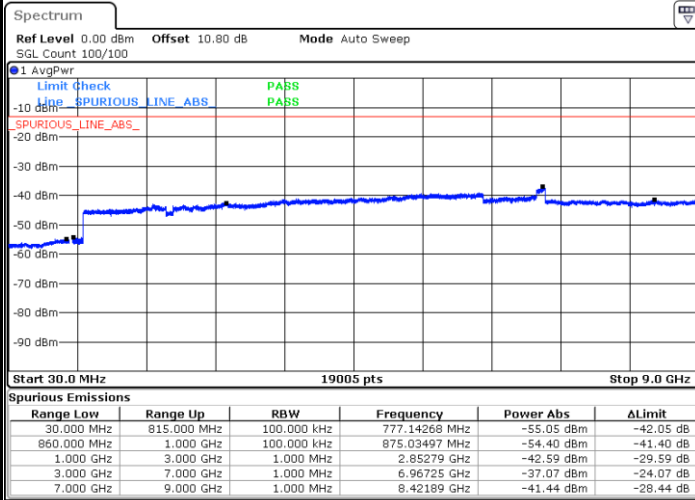
Date: 27. JAN. 2020 06:32:25

Date: 27. JAN. 2020 06:33:20



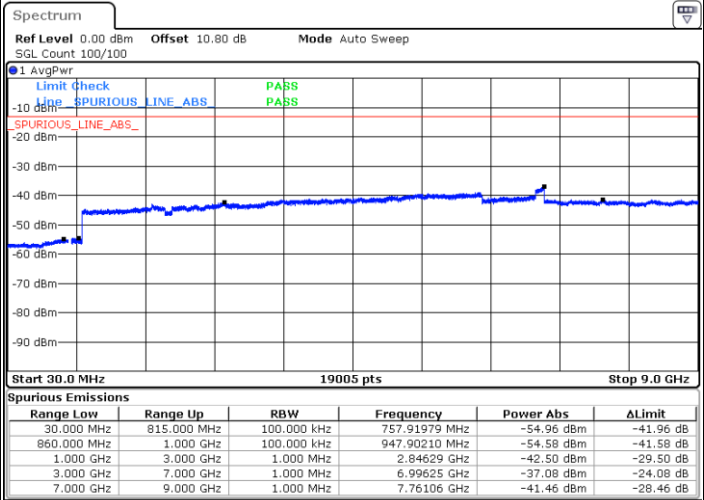
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 27.JAN.2020 06:38:55

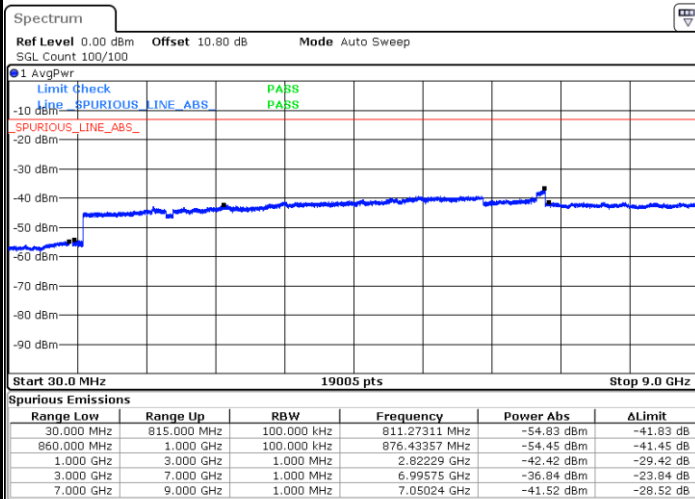
Highest Channel / 16QAM



Date: 27.JAN.2020 06:39:49

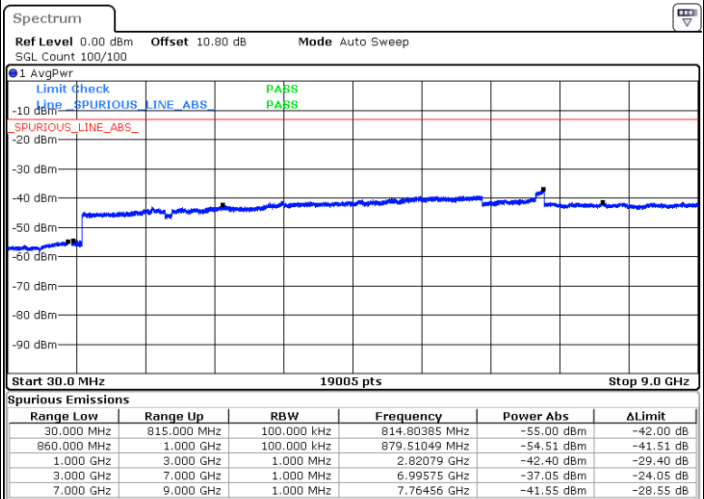
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 27.JAN.2020 06:45:25

Lowest Channel / 16QAM



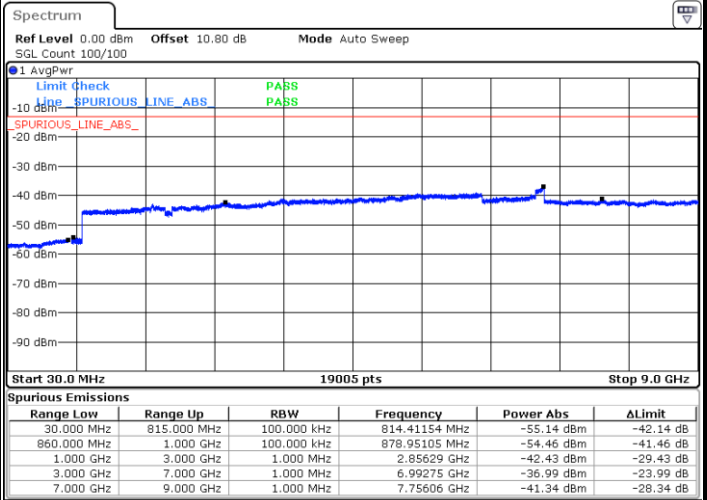
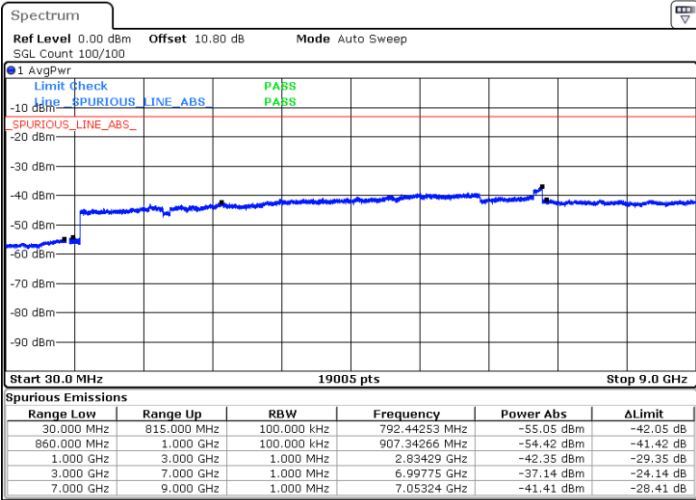
Date: 27.JAN.2020 06:46:20



LTE Band 26 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

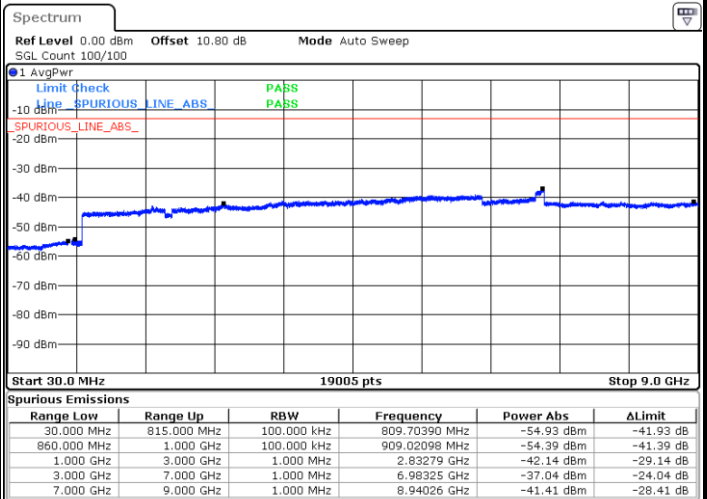
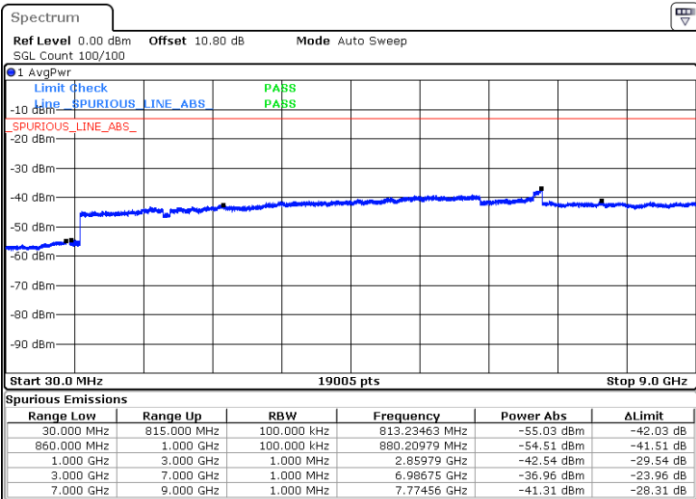


Date: 27.JAN.2020 06:48:10

Date: 27.JAN.2020 06:49:04

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.JAN.2020 06:54:41

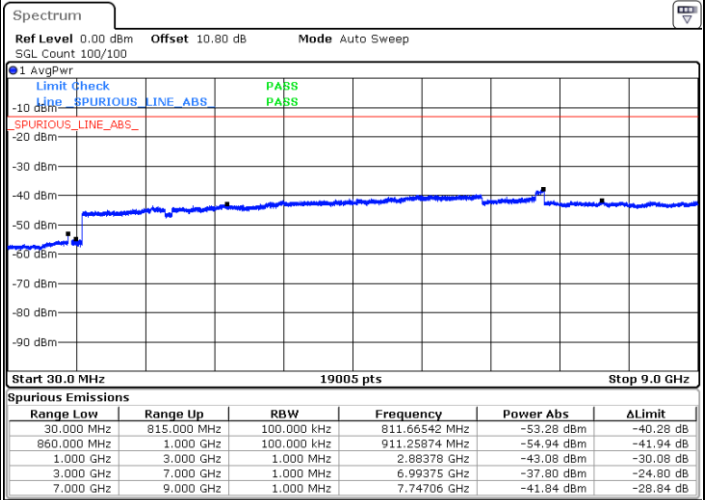
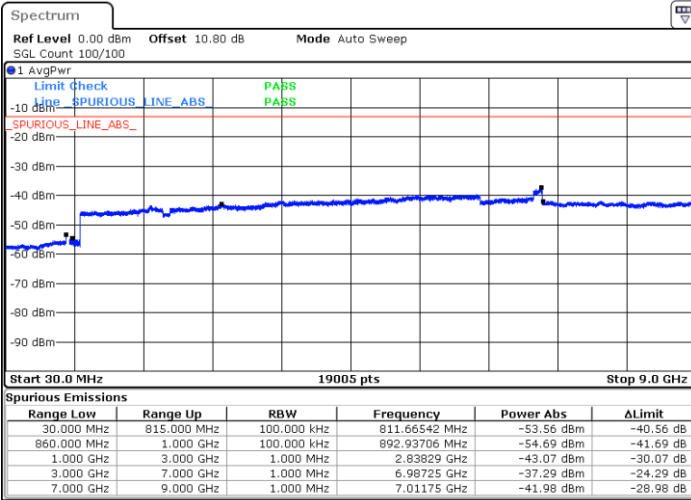
Date: 27.JAN.2020 06:55:36



LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

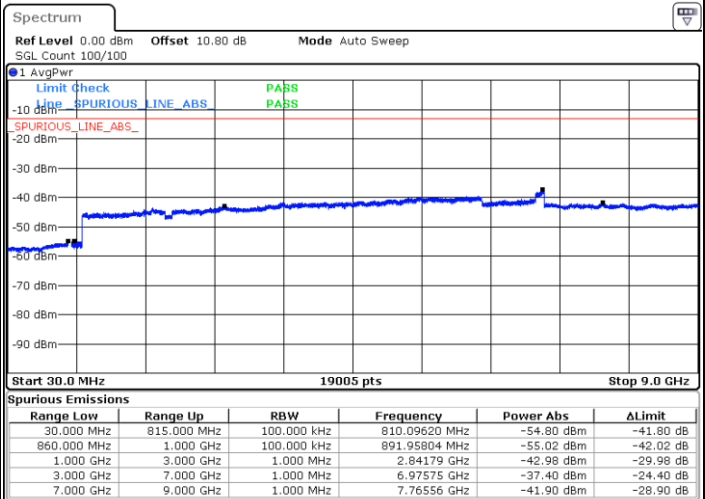
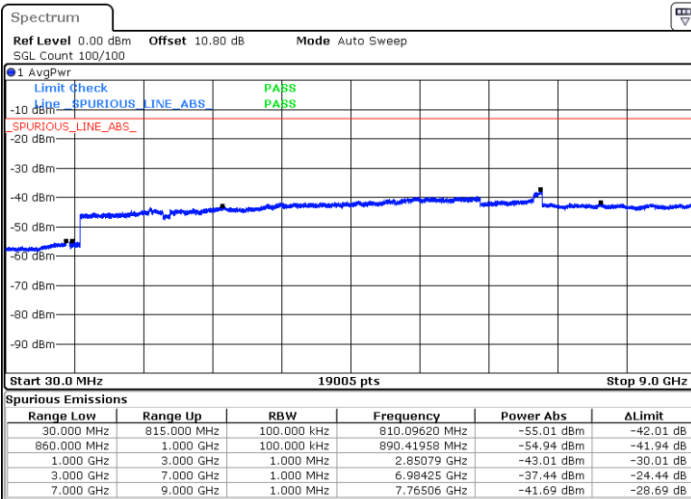


Date: 30.JAN.2020 05:20:03

Date: 30.JAN.2020 05:21:06

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 30.JAN.2020 05:23:04

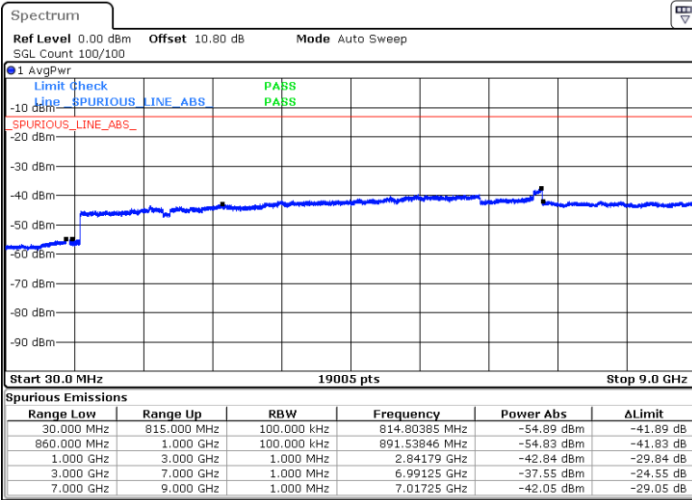
Date: 30.JAN.2020 05:24:08



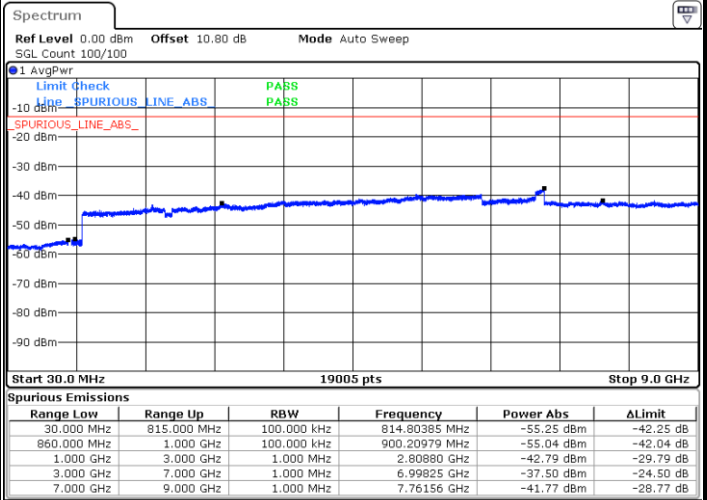
LTE Band 26 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.JAN.2020 05:30:22



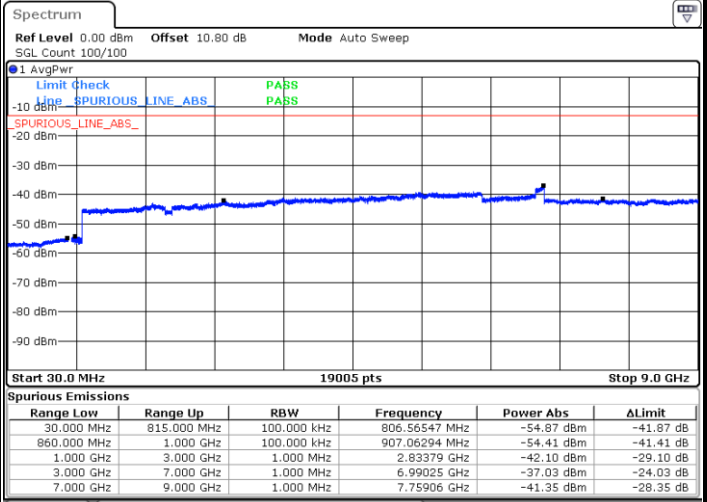
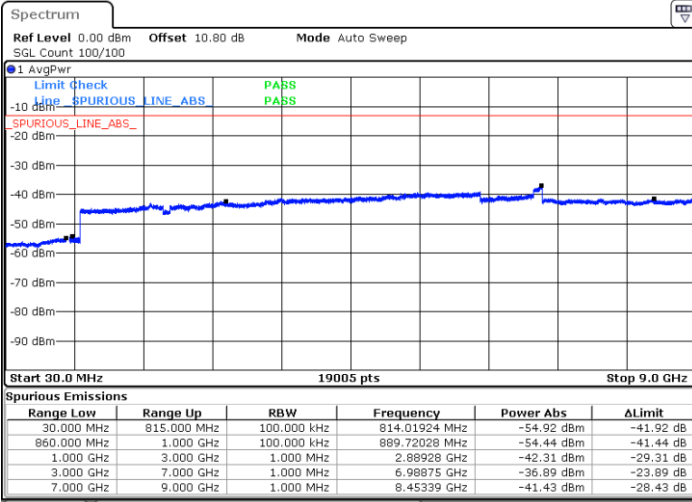
Date: 30.JAN.2020 05:31:26



LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

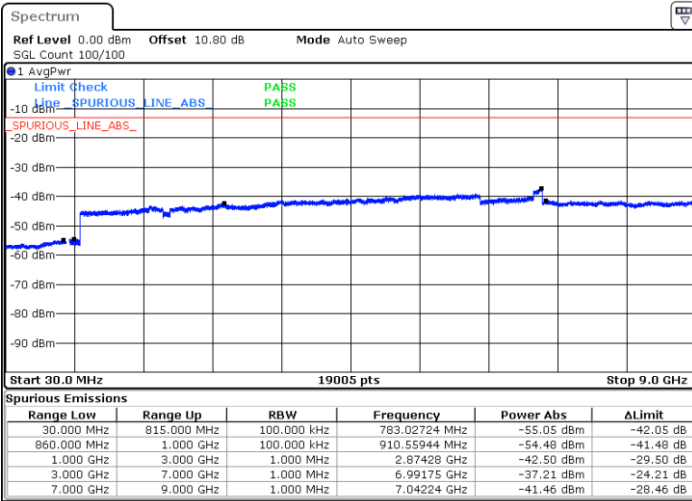
Middle Channel / 64QAM



Date: 27.JAN.2020 05:18:28

Date: 27.JAN.2020 05:19:51

Highest Channel / 64QAM



Date: 27.JAN.2020 05:24:35

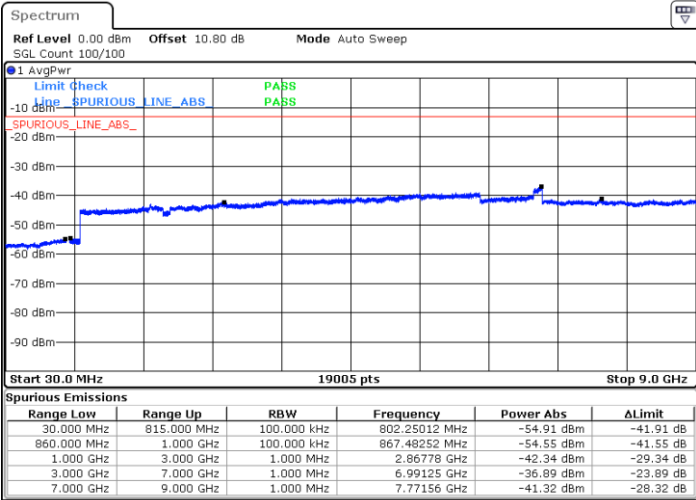




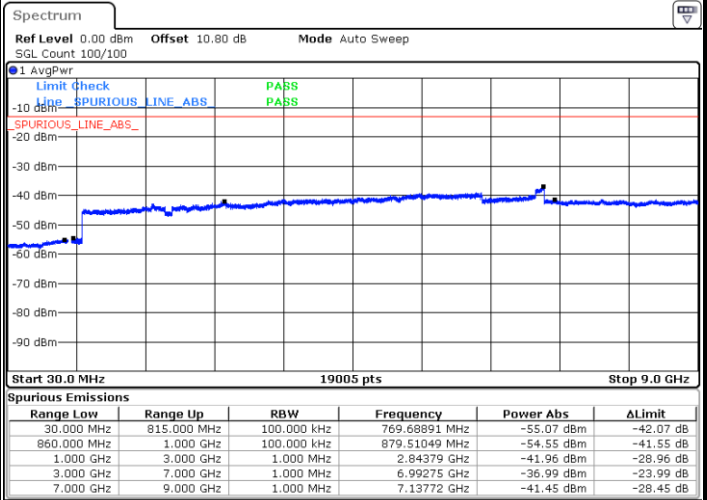
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

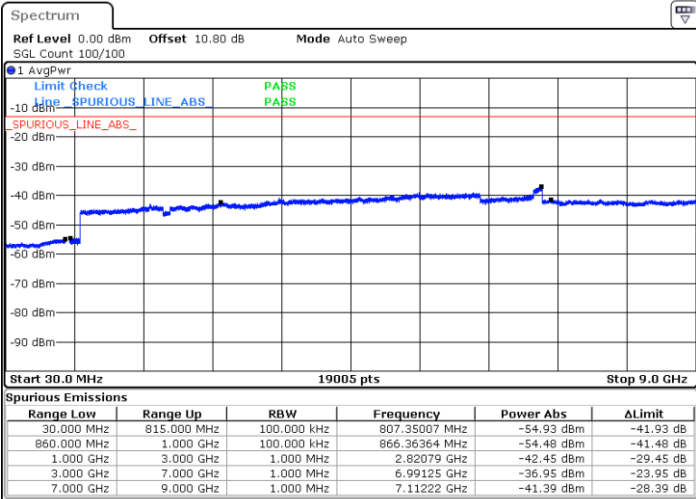


Date: 27.JAN.2020 05:39:55



Date: 27.JAN.2020 05:41:17

Highest Channel / 64QAM



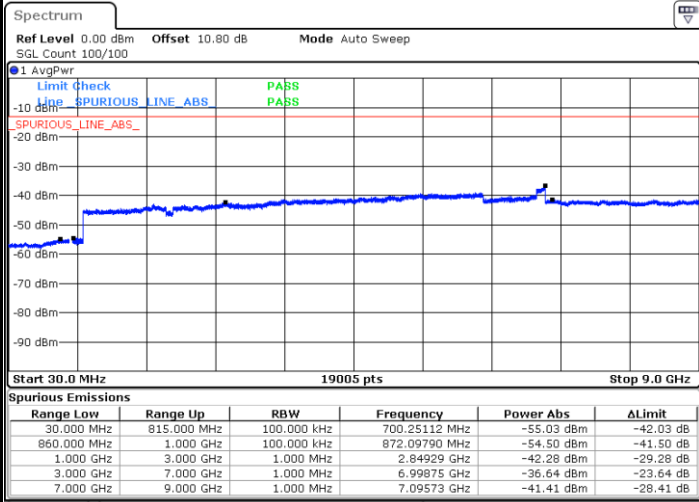
Date: 27.JAN.2020 05:44:34



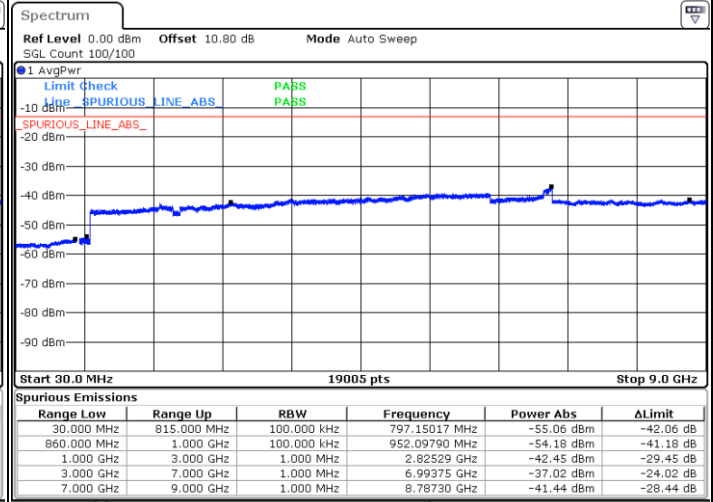
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

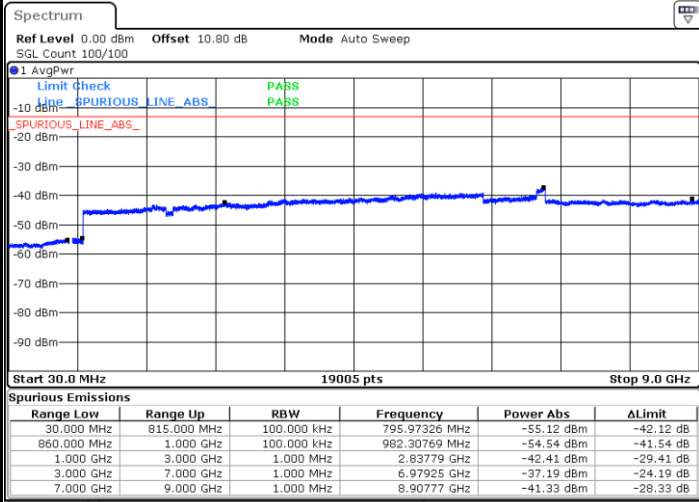


Date: 27.JAN.2020 05:47:48



Date: 27.JAN.2020 05:49:11

Highest Channel / 64QAM

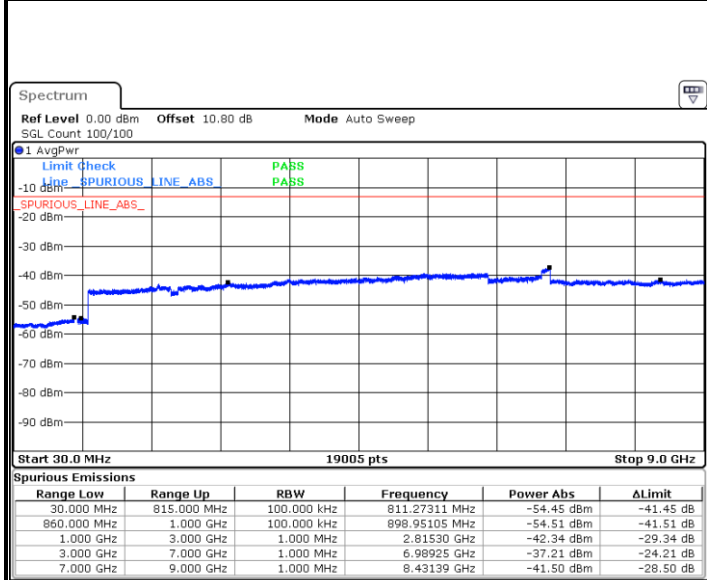


Date: 27.JAN.2020 05:52:25



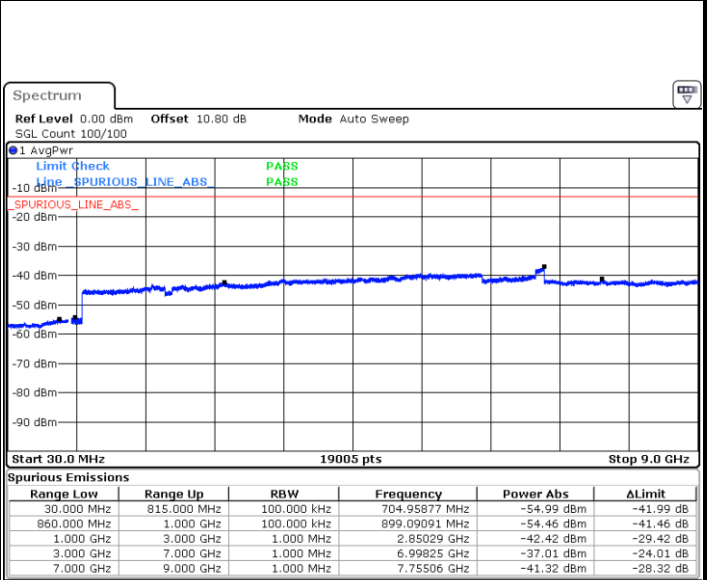
**LTE Band 26 / 10MHz**

**Lowest Channel / 64QAM**



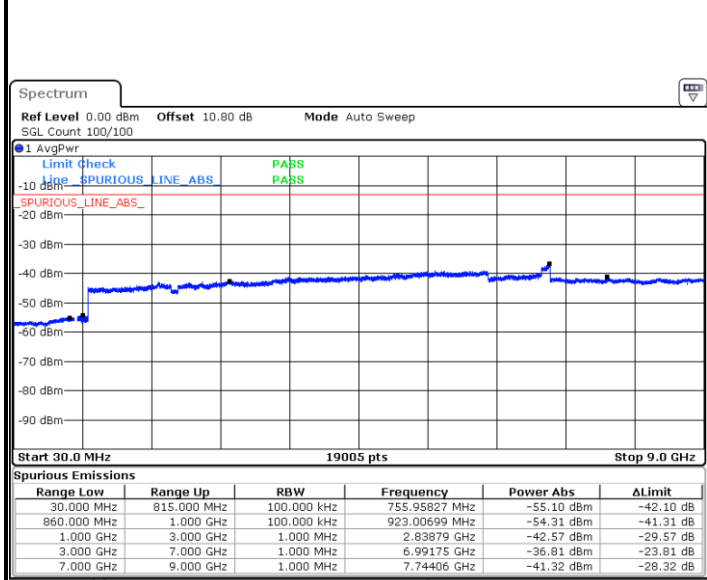
Date: 27.JAN.2020 05:55:40

**Middle Channel / 64QAM**



Date: 27.JAN.2020 05:57:03

**Highest Channel / 64QAM**

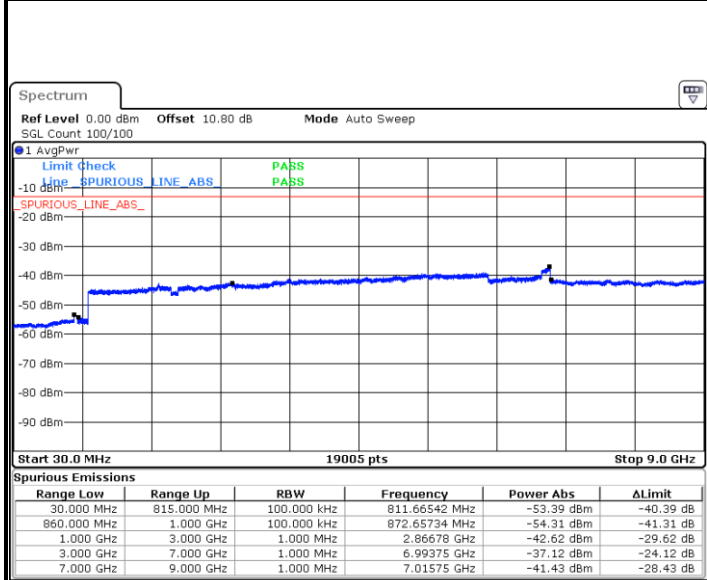


Date: 27.JAN.2020 06:00:17



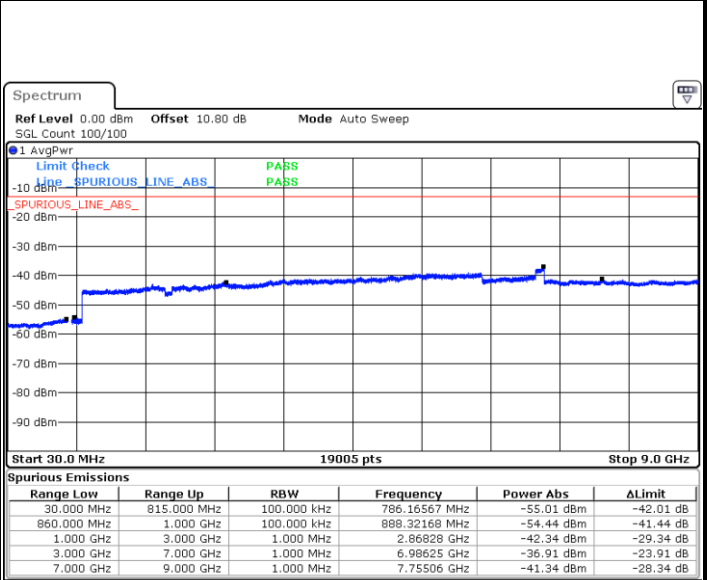
**LTE Band 26 / 15MHz**

**Lowest Channel / 64QAM**



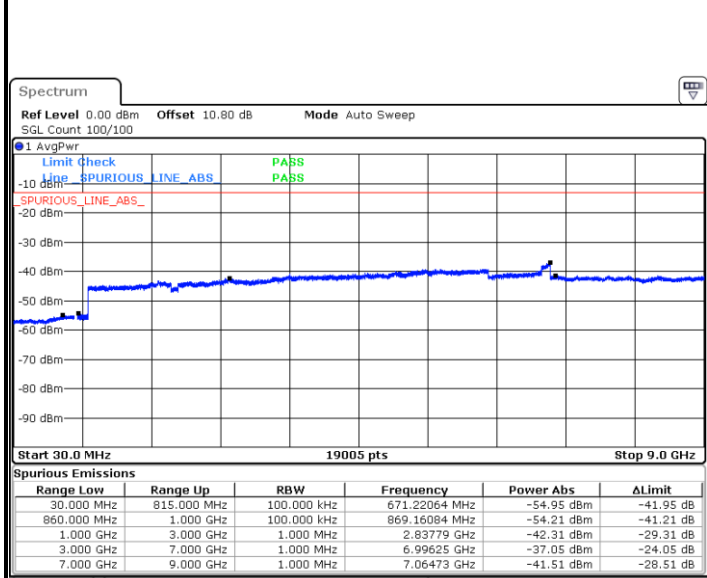
Date: 27.JAN.2020 06:03:36

**Middle Channel / 64QAM**



Date: 27.JAN.2020 06:04:58

**Highest Channel / 64QAM**



Date: 27.JAN.2020 06:08:18



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0065	PASS
40	Normal Voltage	0.0063	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0136	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0065	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 30

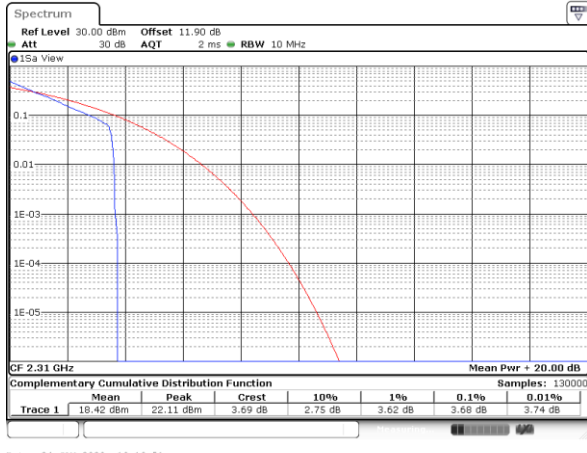
## Peak-to-Average Ratio

Mode	LTE Band 30 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.68	4.58	5.07	5.83	
Highest CH	-	-	-	-	
Mode	LTE Band 30 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	6.46	6.49	-	-	
Highest CH	-	-	-	-	



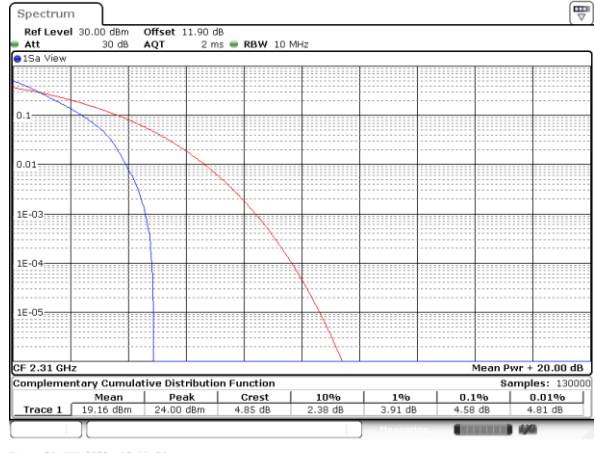
LTE Band 30 / 10MHz / QPSK

Middle Channel / 1RB



Date: 24.JAN.2020 10:10:51

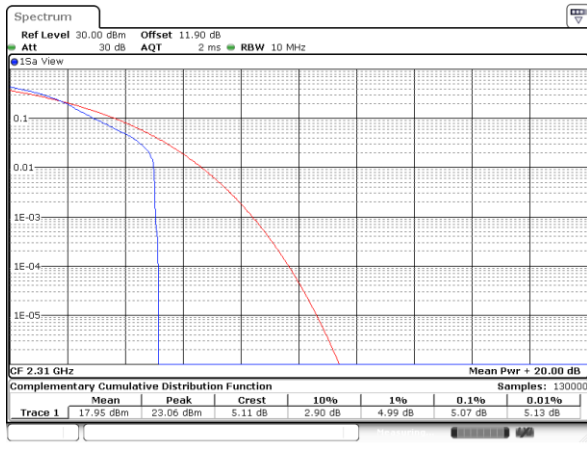
Middle Channel / Full RB



Date: 24.JAN.2020 10:11:04

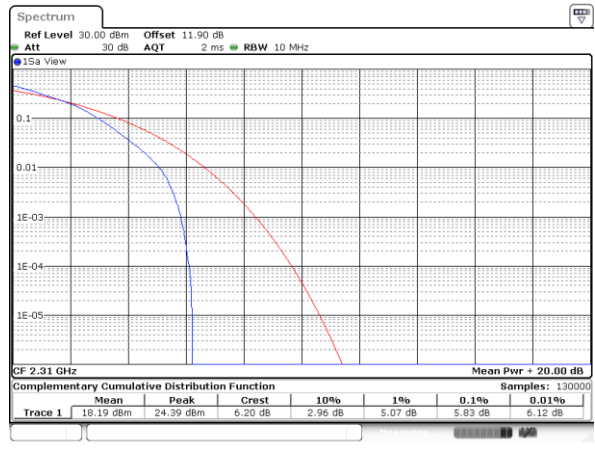
LTE Band 30 / 10MHz / 16QAM

Middle Channel / 1RB



Date: 24.JAN.2020 10:10:25

Middle Channel / Full RB

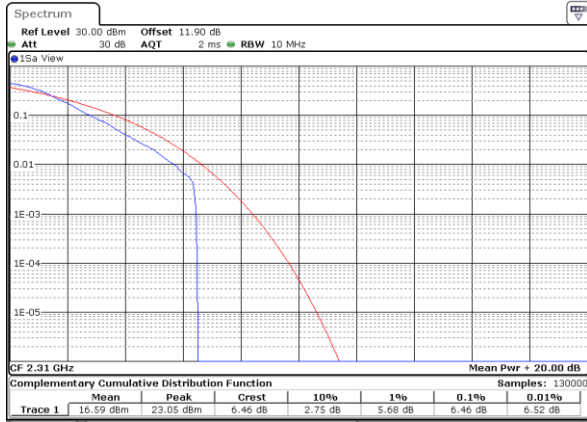


Date: 24.JAN.2020 10:10:38



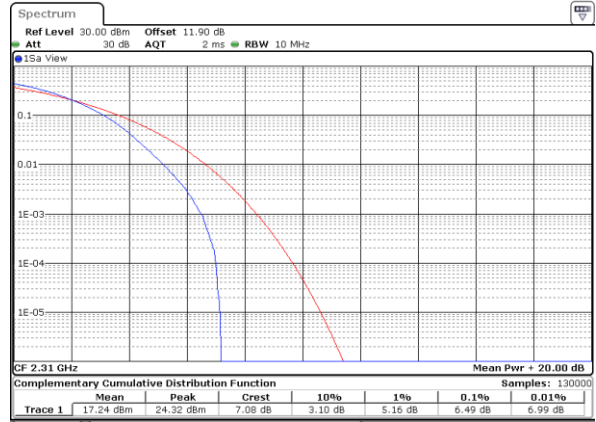
LTE Band 30 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 24\_JAN\_2020 10:09:59

Middle Channel / Full RB



Date: 24\_JAN\_2020 10:10:12





**EIRP Power Density**

Mode	LTE Band 30 : Conducted Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	21.19	20.52	-	-	-	-	-	-
Middle CH	-	-	-	-	21.33	20.66	21.21	20.71	-	-	-	-
Highest CH	-	-	-	-	21.42	20.73	-	-	-	-	-	-

Mode	LTE Band 30 : Conducted Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	19.45	-	-	-	-	-	-	-
Middle CH	-	-	-	-	19.40	-	19.29	-	-	-	-	-
Highest CH	-	-	-	-	19.57	-	-	-	-	-	-	-

Mode	LTE Band 30 : EIRP Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	19.49	18.82			-	-	-	-
Middle CH	-	-	-	-	19.63	18.96	19.51	19.01	-	-	-	-
Highest CH	-	-	-	-	19.72	19.03			-	-	-	-

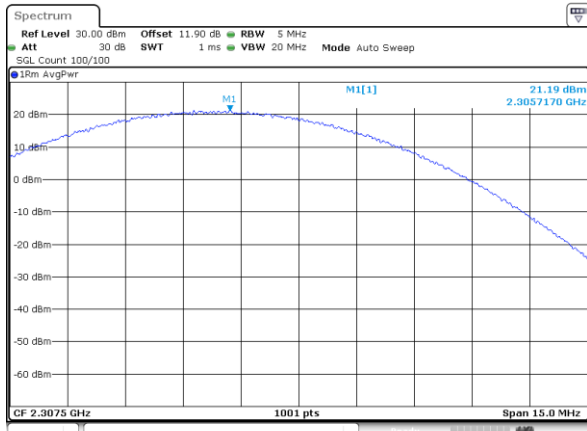
  

Mode	LTE Band 30 : EIRP Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	17.75			-	-	-	-	-
Middle CH	-	-	-	-	17.70		17.59	-	-	-	-	-
Highest CH	-	-	-	-	17.87			-	-	-	-	-
Antenna Gain	-1.7 dBi											
Limit	250mW / 5MHz = 24dBm / 5MHz											
Result	Pass											



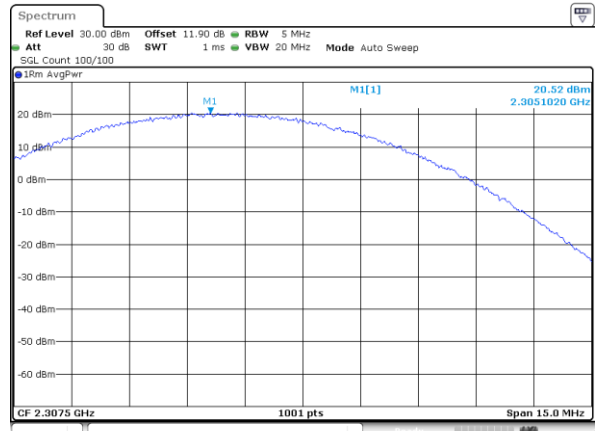
LTE Band 30 / 5MHz

Lowest Channel / 5MHz / 1RB0 / QPSK



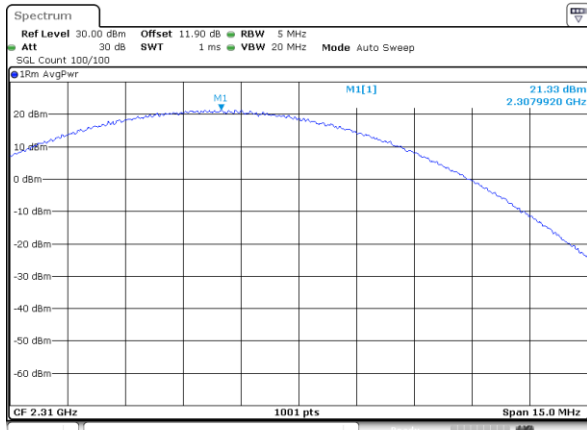
Date: 24\_JAN\_2020 10:11:52

Lowest Channel / 5MHz / 1RB0 / 16QAM



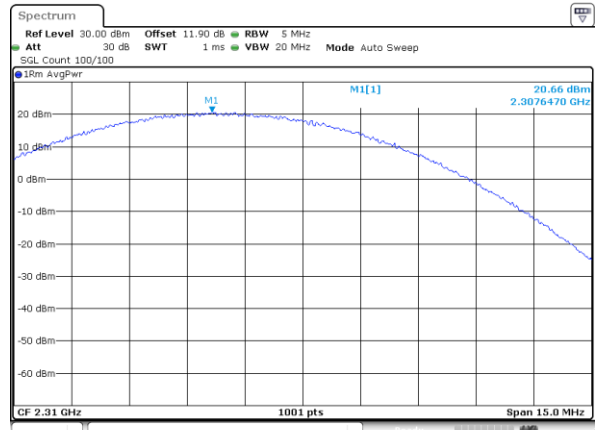
Date: 24\_JAN\_2020 10:11:13

Middle Channel / 5MHz / 1RB0 / QPSK



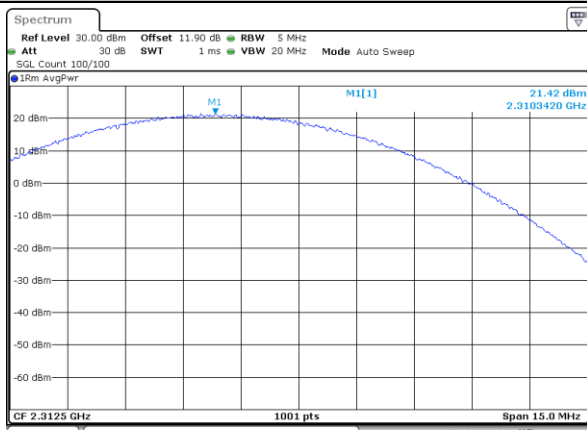
Date: 24\_JAN\_2020 10:12:54

Middle Channel / 5MHz / 1RB0 / 16QAM



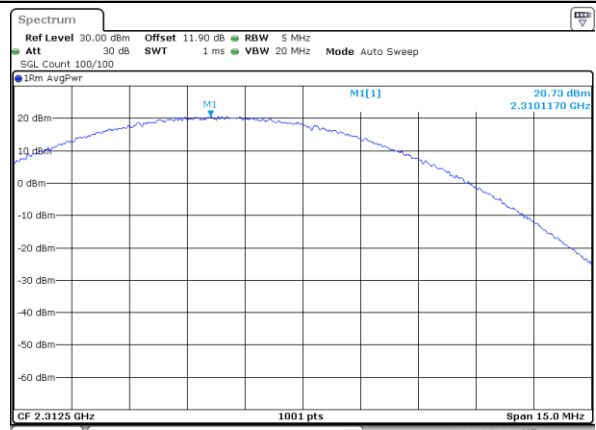
Date: 24\_JAN\_2020 10:13:14

Highest Channel / 5MHz / 1RB0 / QPSK



Date: 24\_JAN\_2020 10:13:55

Highest Channel / 5MHz / 1RB0 / 16QAM

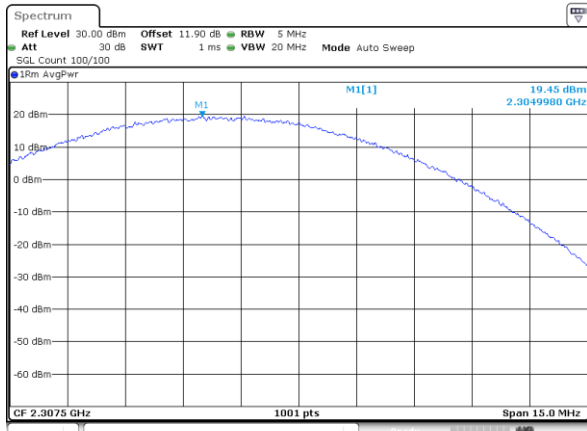


Date: 24\_JAN\_2020 10:14:16



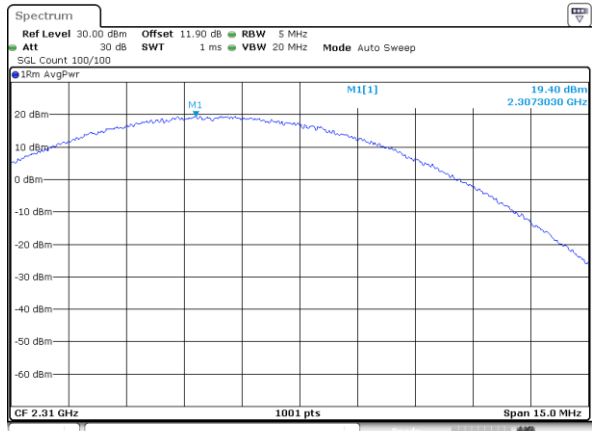
LTE Band 30 / 5MHz

Lowest Channel / 5MHz / 1RB0 / 64QAM



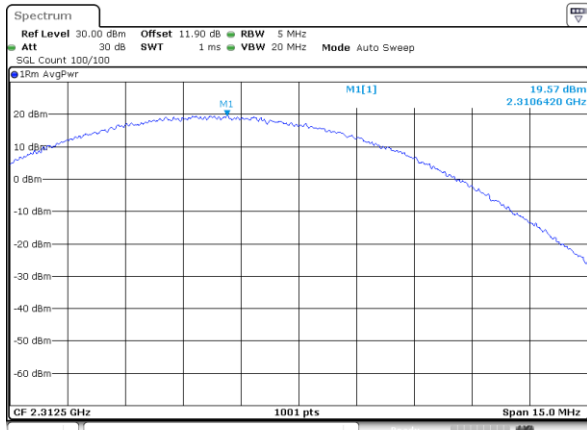
Date: 24.JAN.2020 10:12:34

Middle Channel / 5MHz / 1RB0 / 64QAM



Date: 24.JAN.2020 10:13:33

Highest Channel / 5MHz / 1RB0 / 64QAM

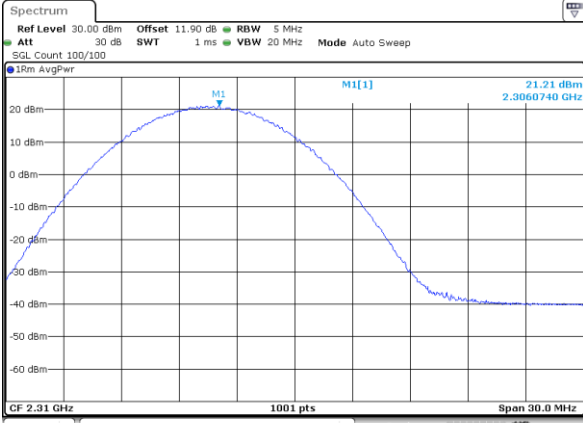


Date: 24.JAN.2020 10:14:06



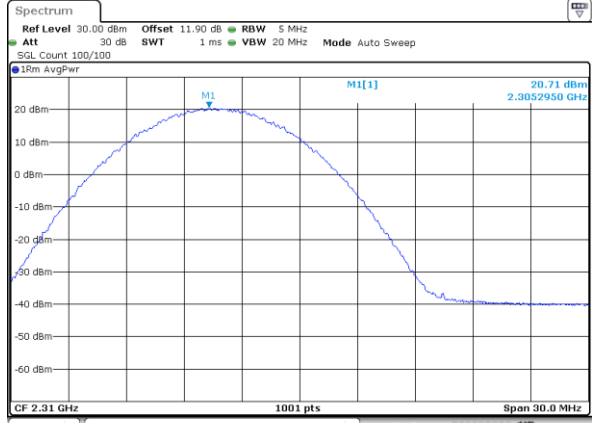
LTE Band 30 / 10MHz

Lowest Channel / 10MHz / 1RB0 / QPSK



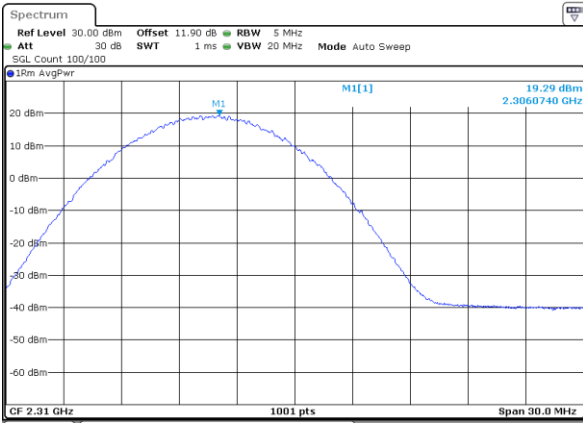
Date: 24.JAN.2020 10:14:57

Lowest Channel / 10MHz / 1RB0 / 16QAM



Date: 24.JAN.2020 10:15:16

Lowest Channel / 10MHz / 1RB0 / 64QAM



Date: 24.JAN.2020 10:15:06



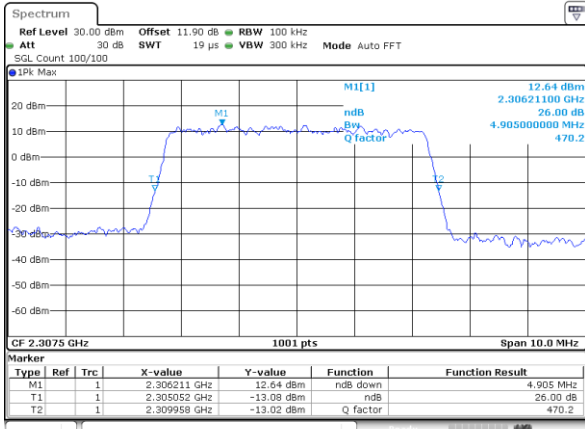
**26dB Bandwidth**

Mode	LTE Band 30 : 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	-	-	-	-	4.91	4.93	-	-	-	-	-	-
Middle CH	-	-	-	-	4.85	4.88	9.77	9.71	-	-	-	-
Highest CH	-	-	-	-	4.87	4.91	-	-	-	-	-	-
Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.93	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.94	-	9.73	-	-	-	-	-
Highest CH	-	-	-	-	4.88	-	-	-	-	-	-	-



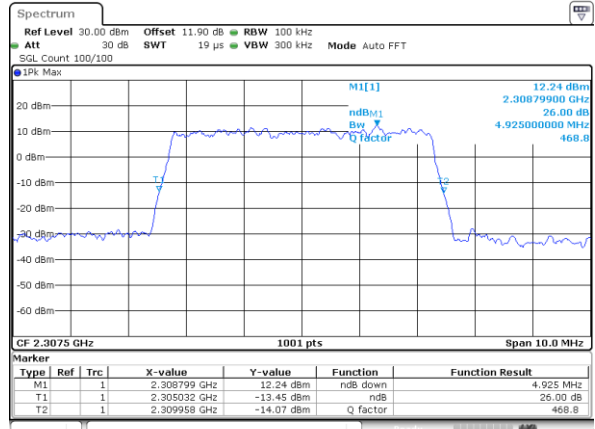
LTE Band 30

Lowest Channel / 5MHz / QPSK



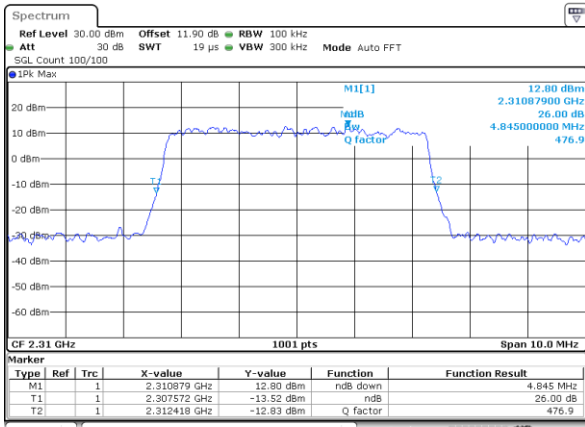
Date: 24\_JAN,2020 10:01:32

Lowest Channel / 5MHz / 16QAM



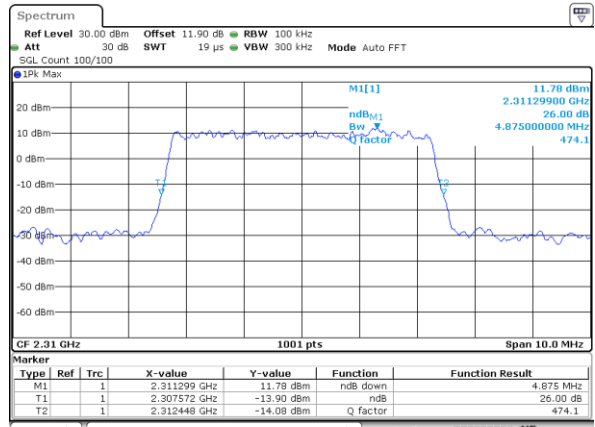
Date: 24\_JAN,2020 10:01:46

Middle Channel / 5MHz / QPSK



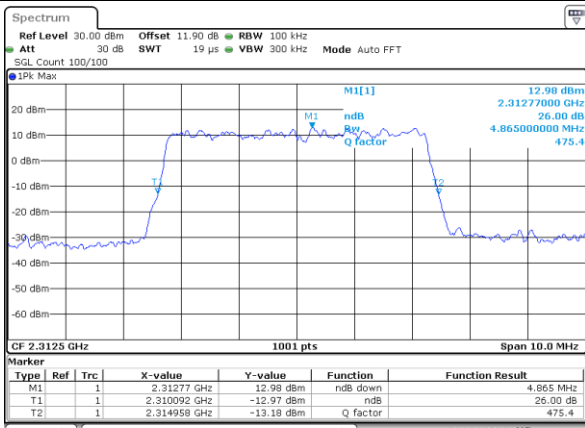
Date: 24\_JAN,2020 10:05:54

Middle Channel / 5MHz / 16QAM



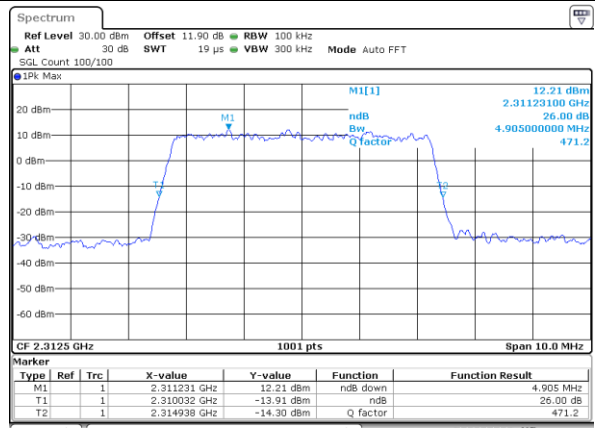
Date: 24\_JAN,2020 10:06:07

Highest Channel / 5MHz / QPSK



Date: 24\_JAN,2020 10:06:48

Highest Channel / 5MHz / 16QAM

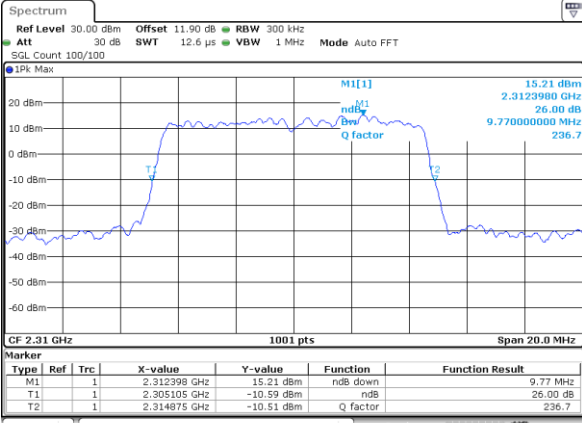


Date: 24\_JAN,2020 10:07:02



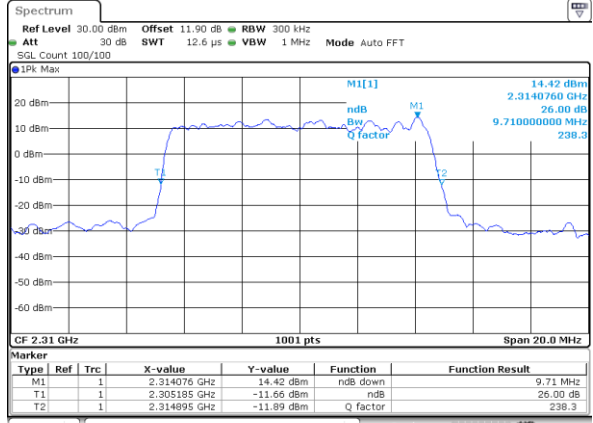
LTE Band 30

Middle Channel / 10MHz / QPSK



Date: 24\_JAN\_2020 10:07:42

Middle Channel / 10MHz / 16QAM

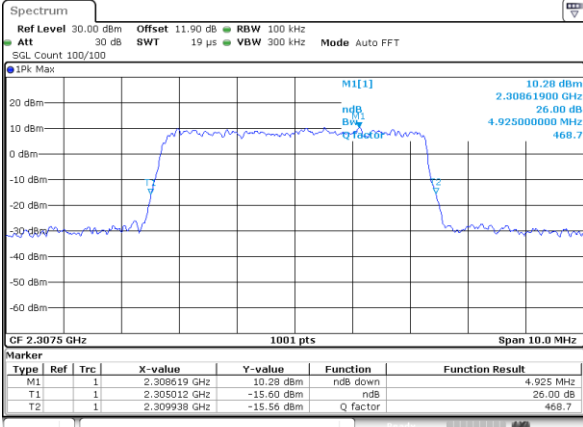


Date: 24\_JAN\_2020 10:07:55



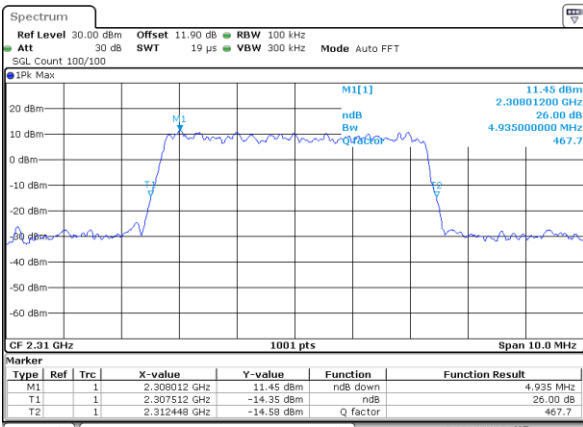
LTE Band 30

Lowest Channel / 5MHz / 64QAM



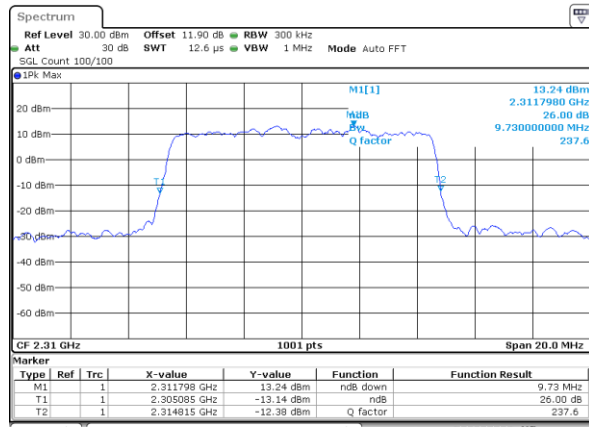
Date: 24\_JAN\_2020 10:08:23

Middle Channel / 5MHz / 64QAM



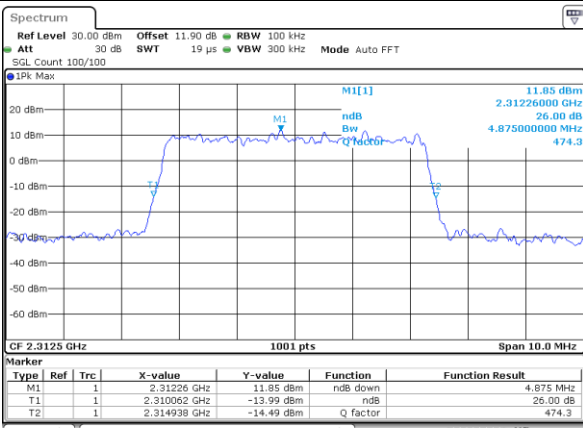
Date: 24\_JAN\_2020 10:08:50

Middle Channel / 10MHz / 64QAM



Date: 24\_JAN\_2020 10:09:44

Highest Channel / 5MHz / 64QAM



Date: 24\_JAN\_2020 10:09:17





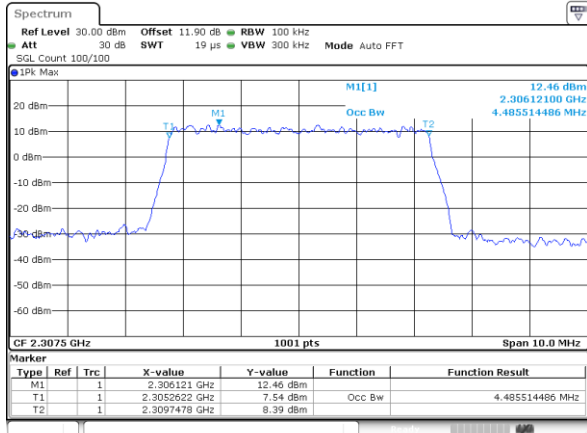
**Occupied Bandwidth**

Mode	LTE Band 30 : 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	-	-	-	-	4.49	4.50	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.50	8.99	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.51	-	-	-	-	-	-
Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.50	-	8.95	-	-	-	-	-
Highest CH	-	-	-	-	4.49	-	-	-	-	-	-	-



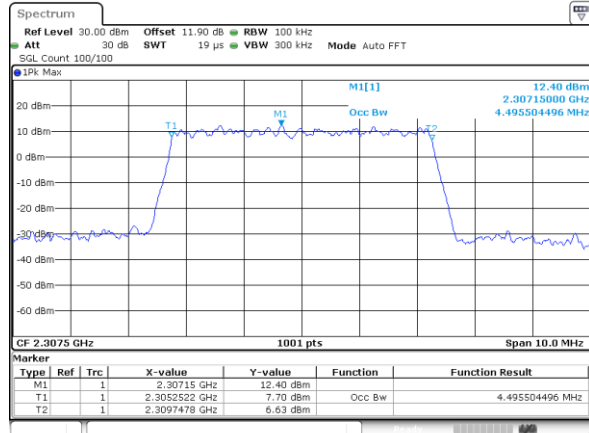
LTE Band 30

Lowest Channel / 5MHz / QPSK



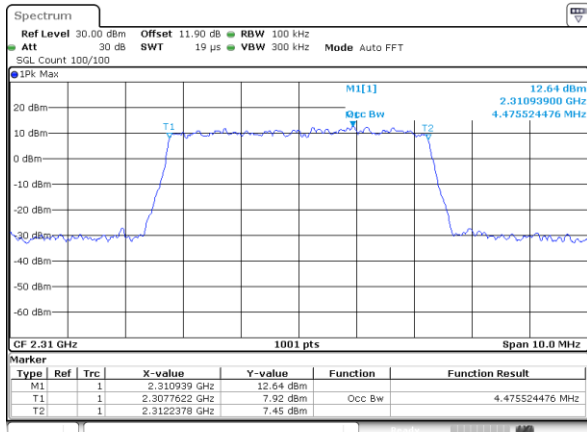
Date: 24\_JAN\_2020 10:01:04

Lowest Channel / 5MHz / 16QAM



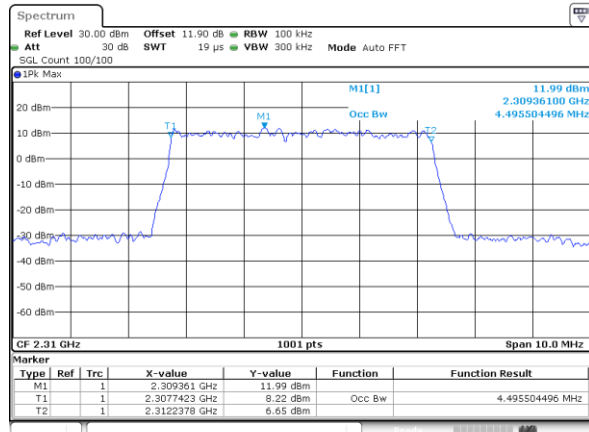
Date: 24\_JAN\_2020 10:01:18

Middle Channel / 5MHz / QPSK



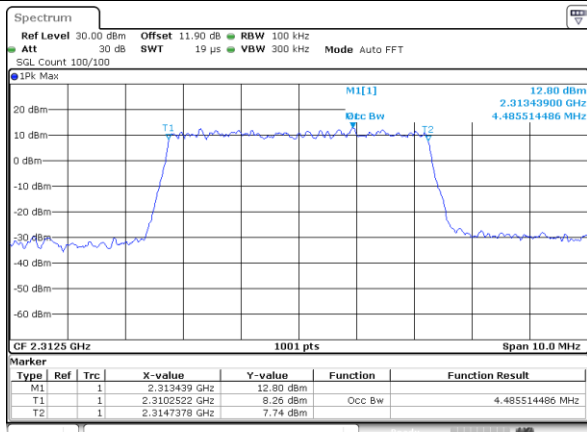
Date: 24\_JAN\_2020 10:05:27

Middle Channel / 5MHz / 16QAM



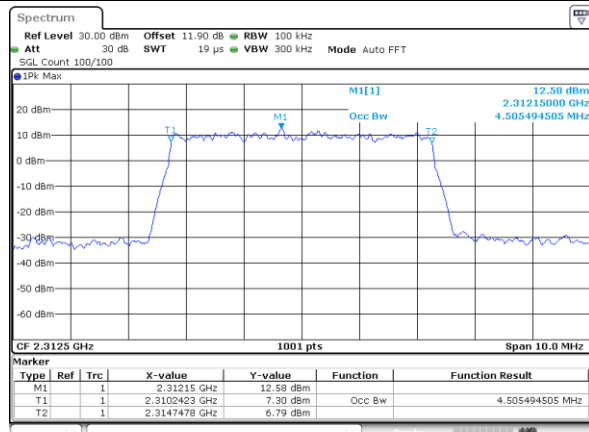
Date: 24\_JAN\_2020 10:05:41

Highest Channel / 5MHz / QPSK



Date: 24\_JAN\_2020 10:06:20

Highest Channel / 5MHz / 16QAM



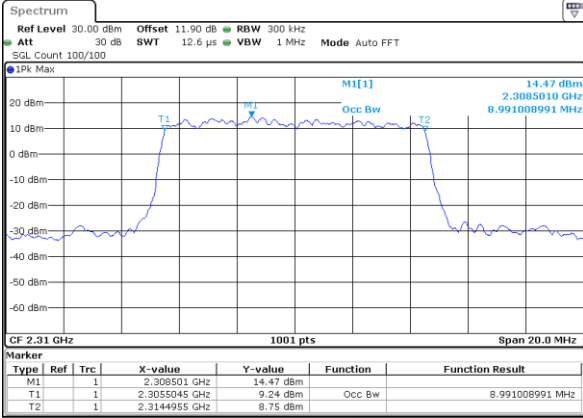
Date: 24\_JAN\_2020 10:06:34



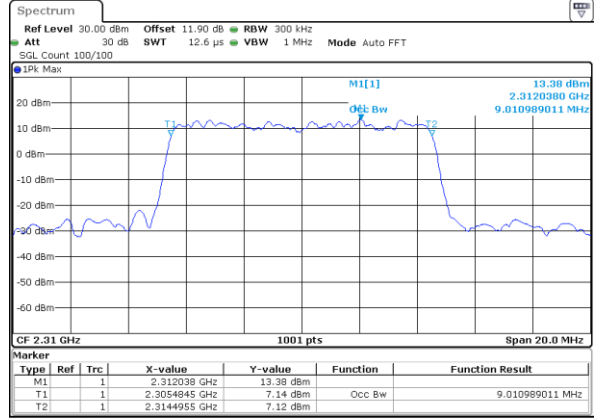
LTE Band 30

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM



Date: 24.JAN.2020 10:07:16

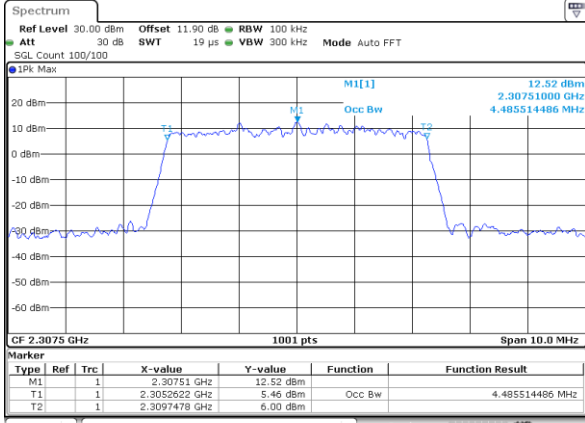


Date: 24.JAN.2020 10:07:29



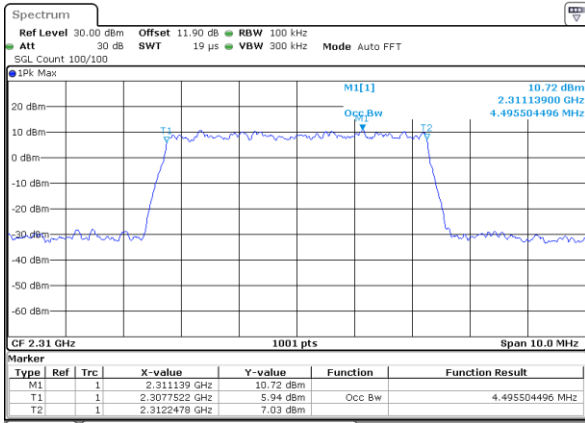
LTE Band 30

Lowest Channel / 5MHz / 64QAM



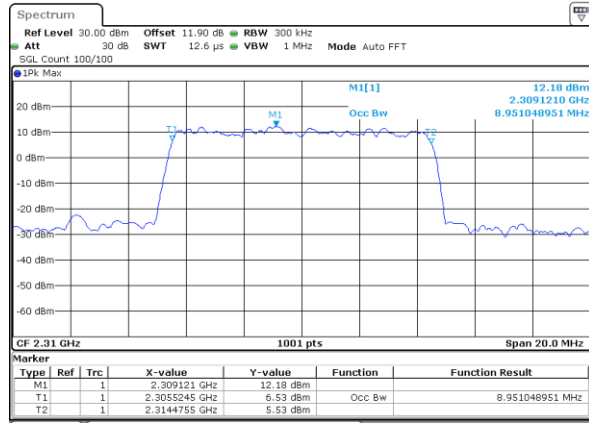
Date: 24\_JAN\_2020 10:08:09

Middle Channel / 5MHz / 64QAM



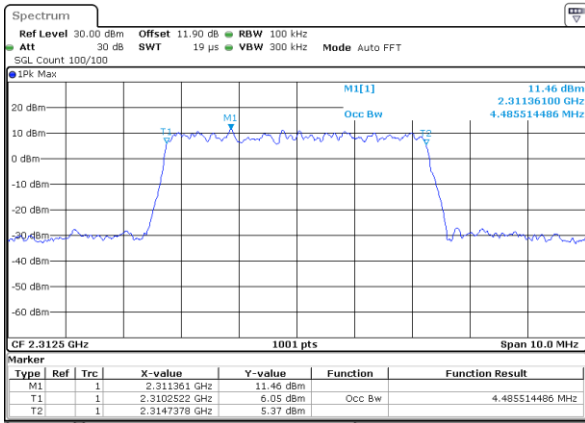
Date: 24\_JAN\_2020 10:08:37

Middle Channel / 10MHz / 64QAM



Date: 24\_JAN\_2020 10:09:31

Highest Channel / 5MHz / 64QAM



Date: 24\_JAN\_2020 10:09:03

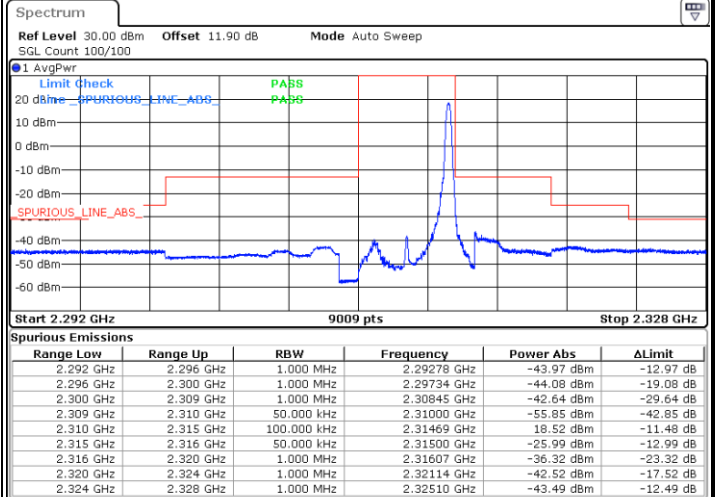
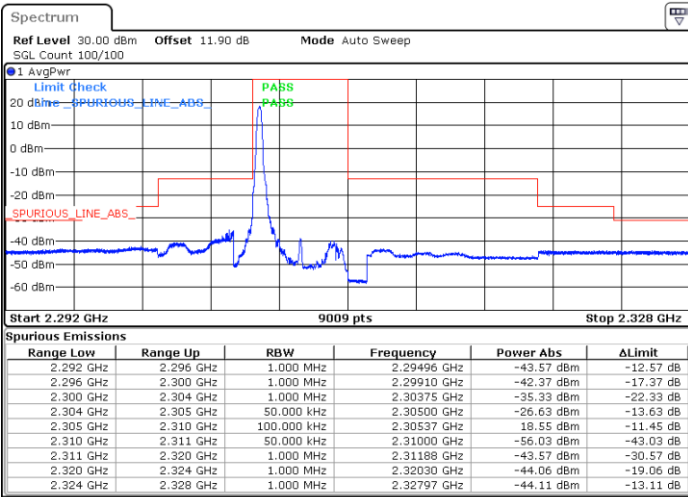


Conducted Band Edge

LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

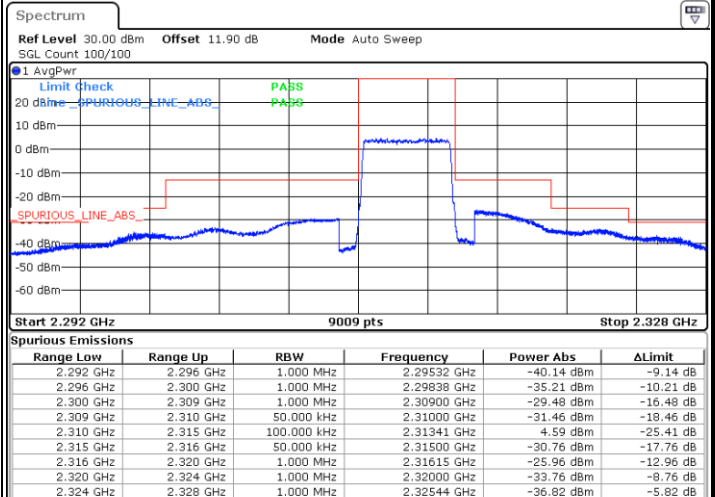
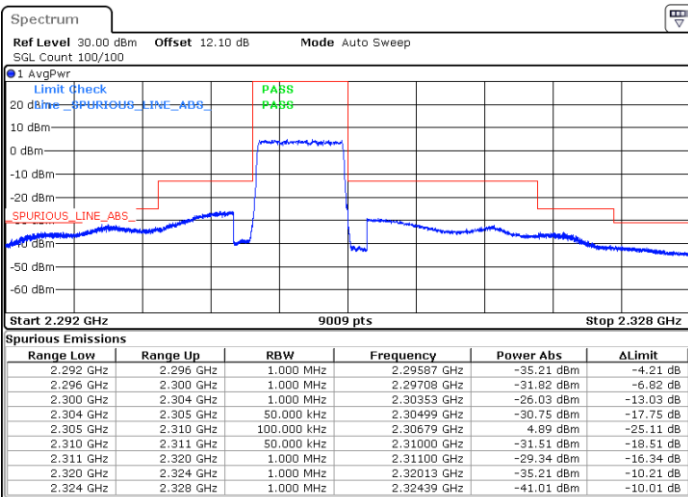


Date: 24.JAN.2020 09:06:08

Date: 24.JAN.2020 09:14:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.JAN.2020 09:10:23

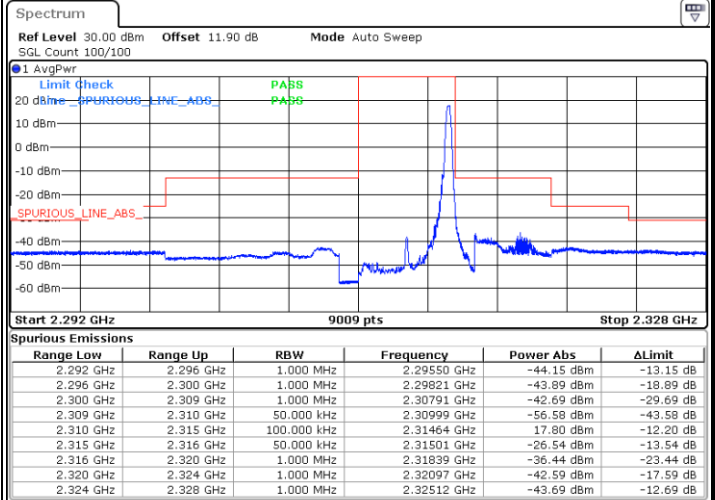
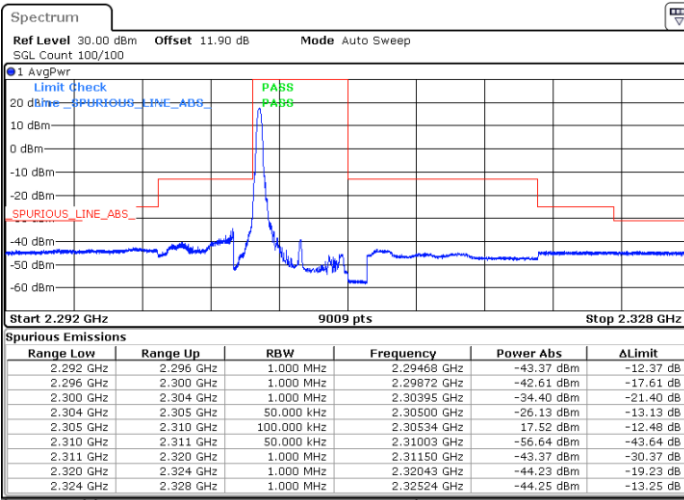
Date: 24.JAN.2020 09:18:45



LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

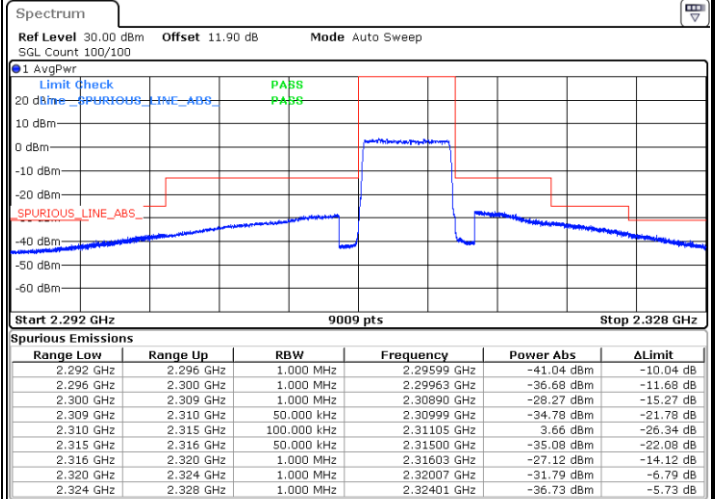
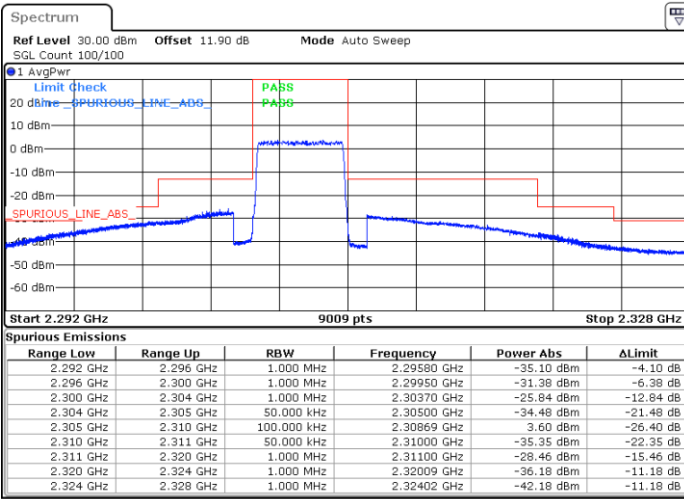


Date: 24.JAN.2020 09:07:33

Date: 24.JAN.2020 09:15:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



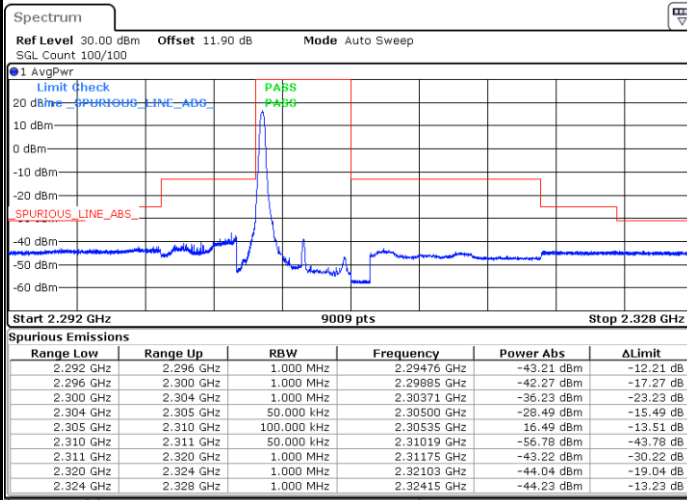
Date: 24.JAN.2020 09:11:47

Date: 24.JAN.2020 09:20:09



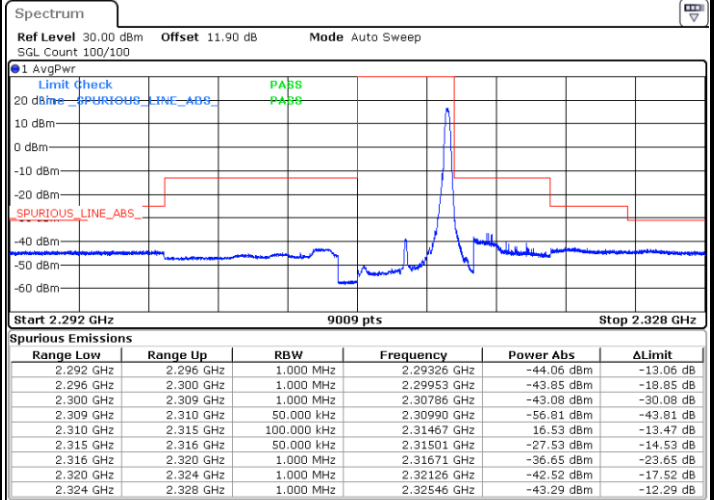
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1RB



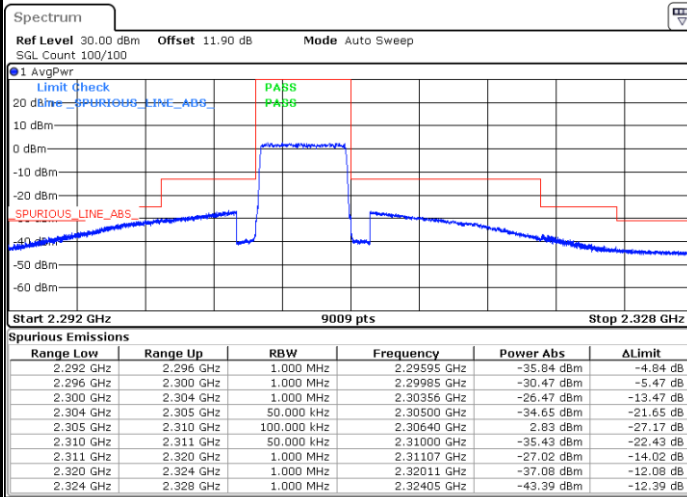
Date: 24.JAN.2020 09:08:56

Highest Band Edge / 1 RB



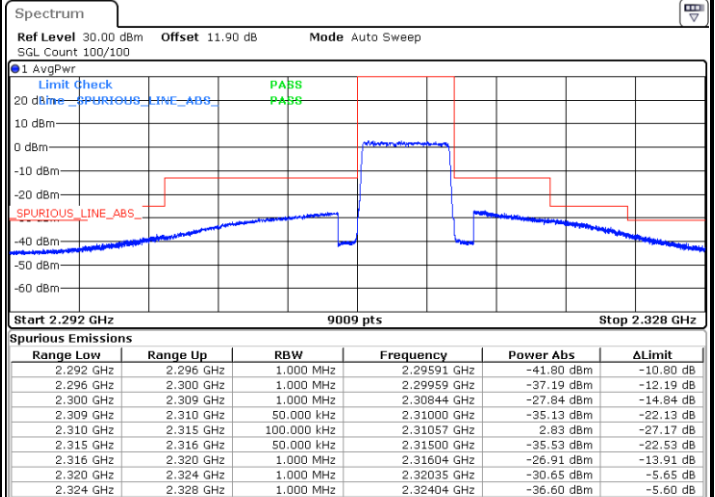
Date: 24.JAN.2020 09:17:22

Lowest Band Edge / Full RB



Date: 24.JAN.2020 09:13:10

Highest Band Edge / Full RB



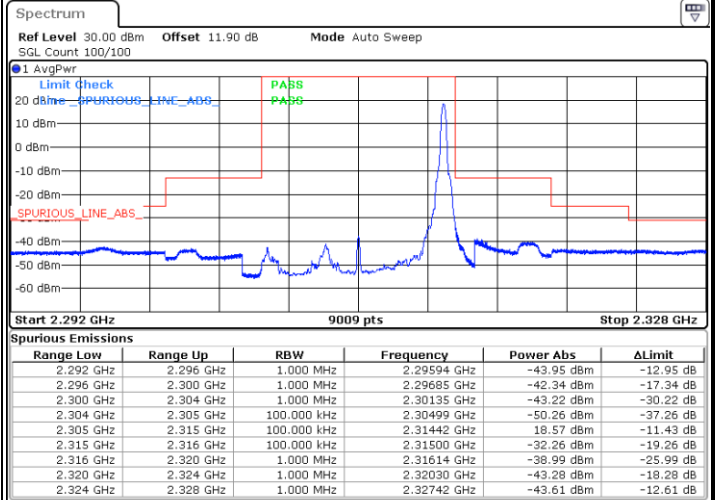
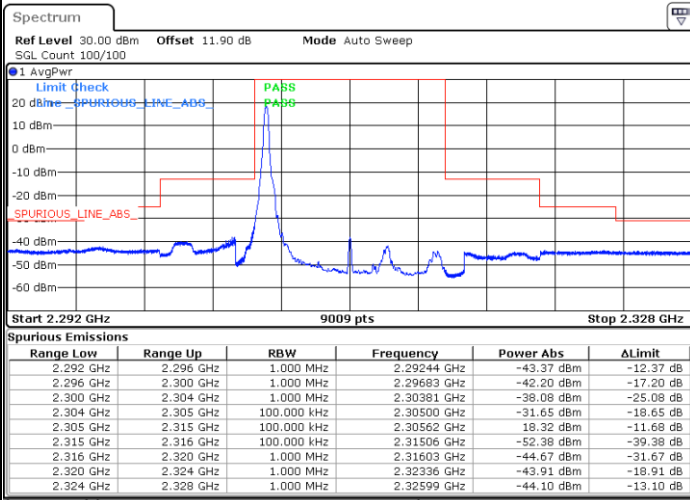
Date: 24.JAN.2020 09:21:33



LTE Band 30 / 10MHz / QPSK

Lowest Band Edge / 1 RB

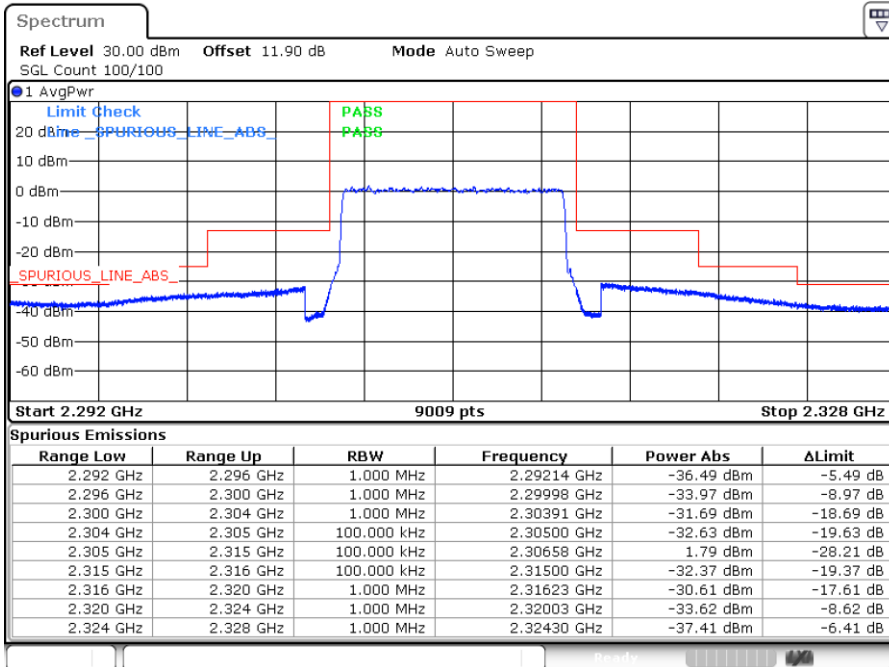
Highest Band Edge / 1 RB



Date: 24. JAN. 2020 09:22:57

Date: 24. JAN. 2020 09:27:06

Band Edge / Full RB



Date: 24. JAN. 2020 09:31:16

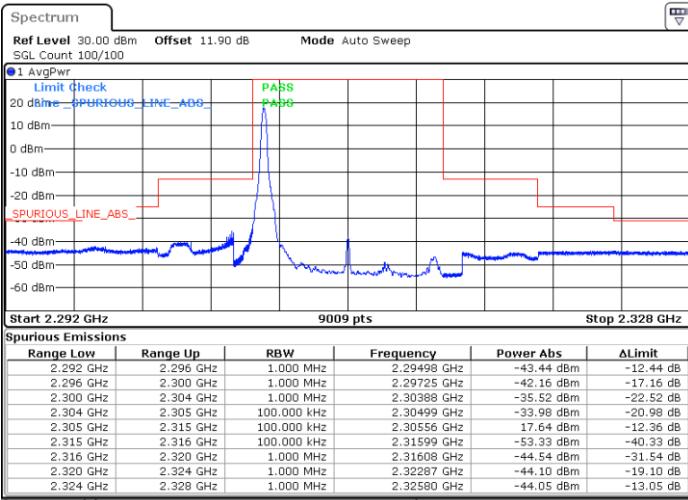




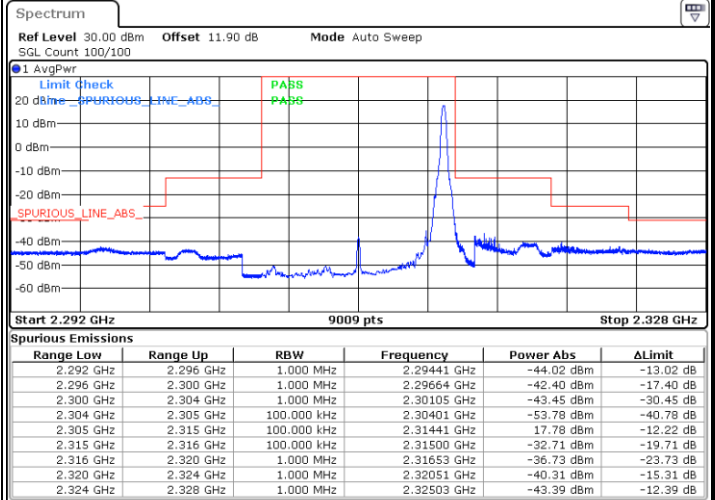
LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

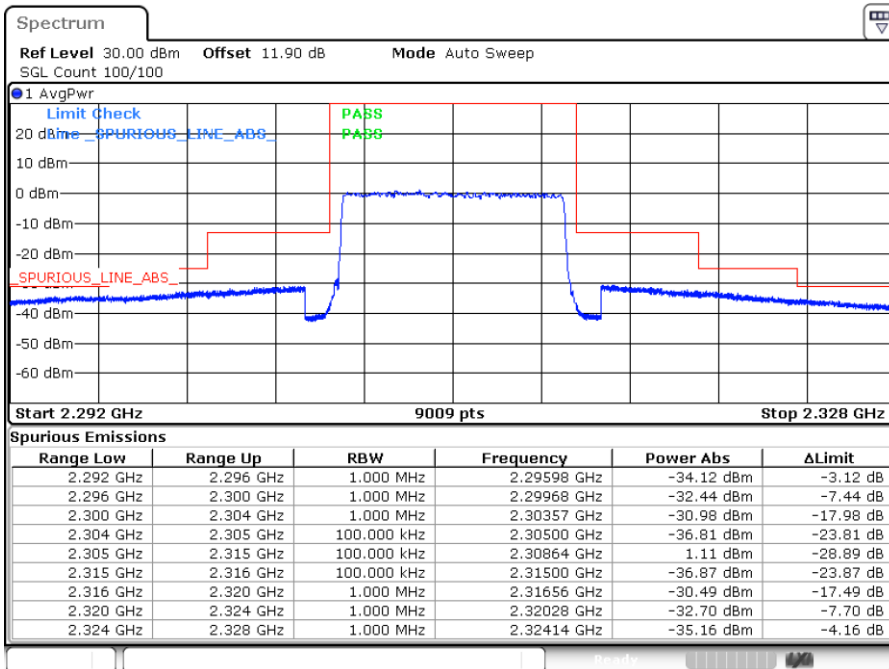


Date: 24. JAN. 2020 09:24:20



Date: 24. JAN. 2020 09:28:29

Band Edge / Full RB



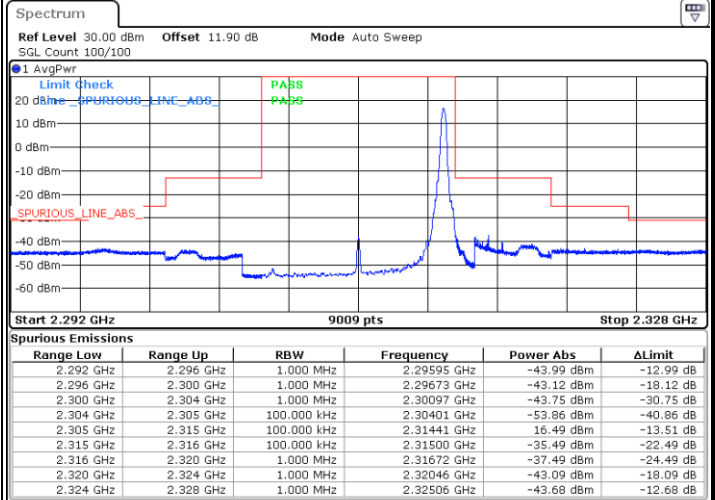
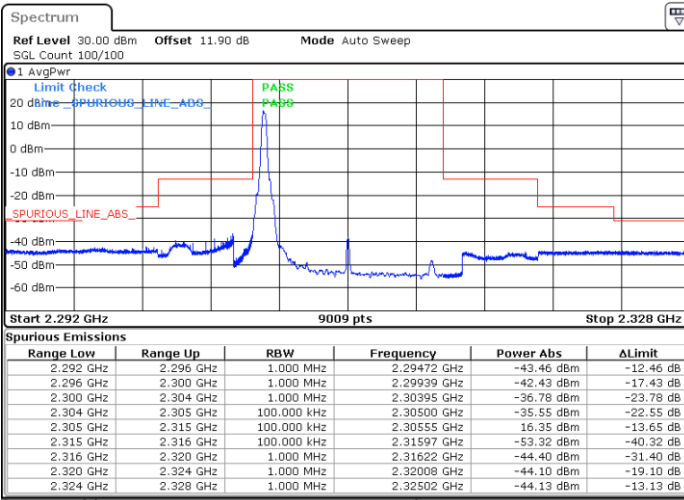
Date: 24. JAN. 2020 09:32:39



LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

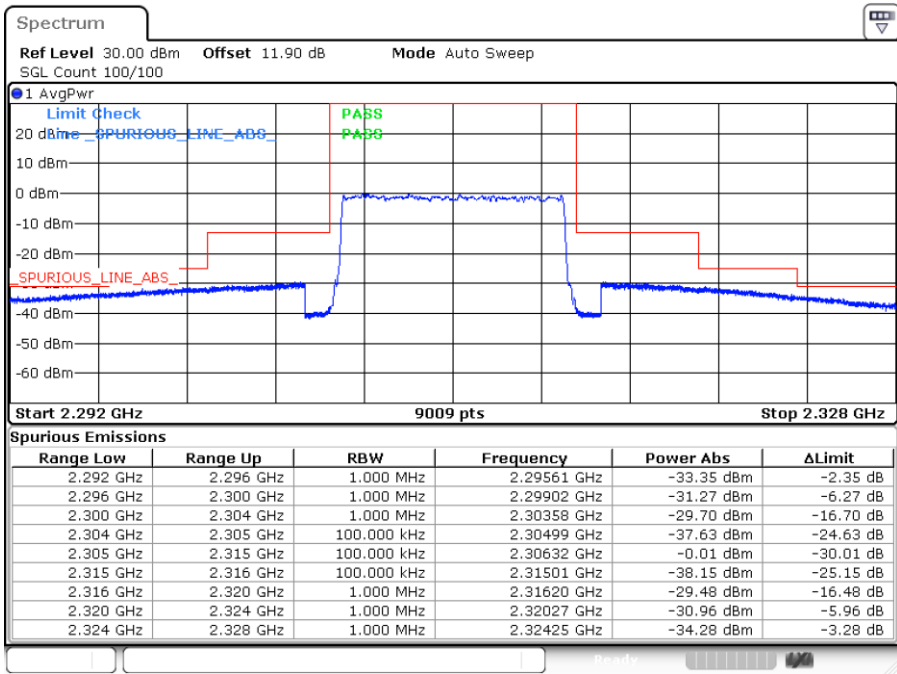
Highest Band Edge / 1 RB



Date: 24. JAN. 2020 09:25:43

Date: 24. JAN. 2020 09:29:52

Band Edge / Full RB



Date: 24. JAN. 2020 09:34:02