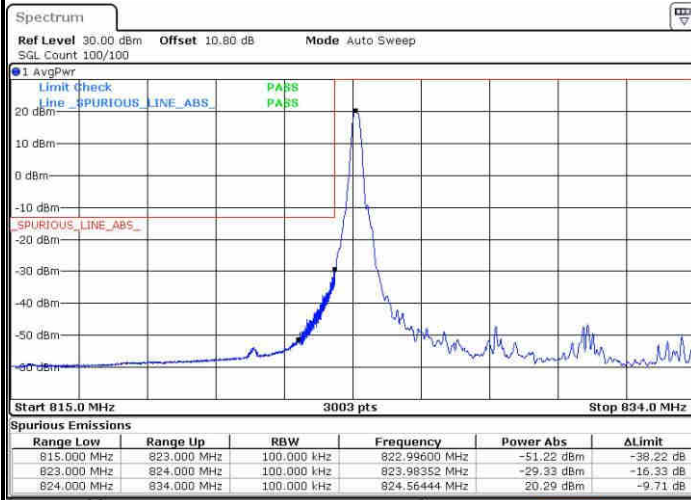


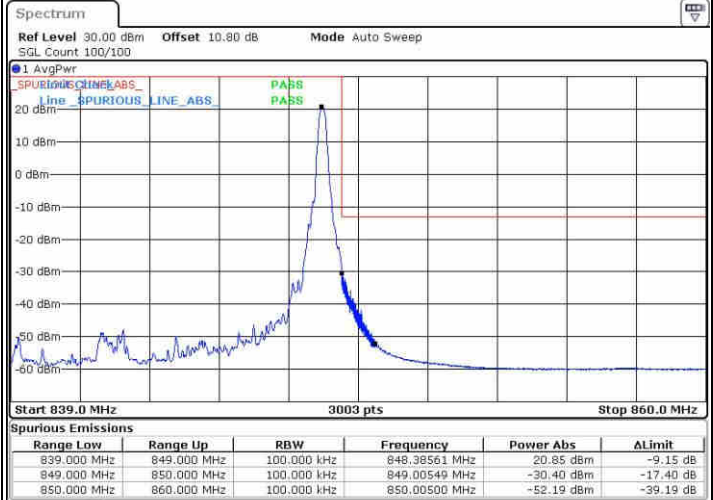


LTE Band 26 / 10MHz / 16QAM

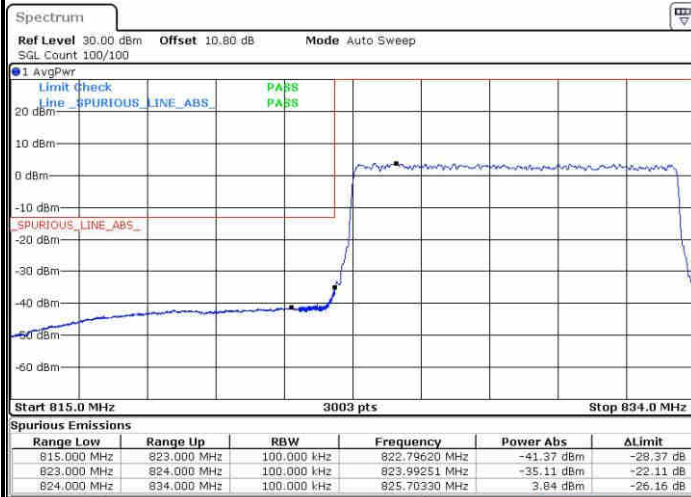
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



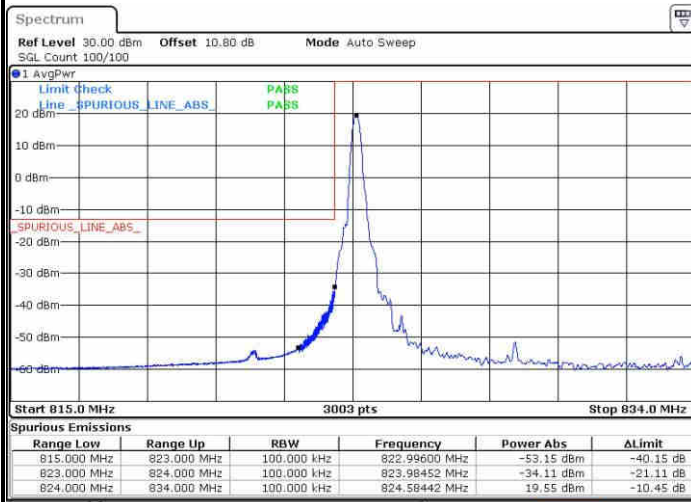
Highest Band Edge / Full RB



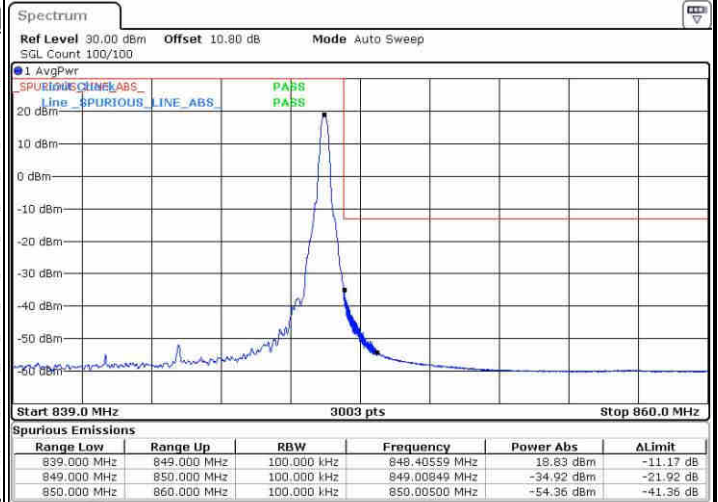


LTE Band 26 / 10MHz / 64QAM

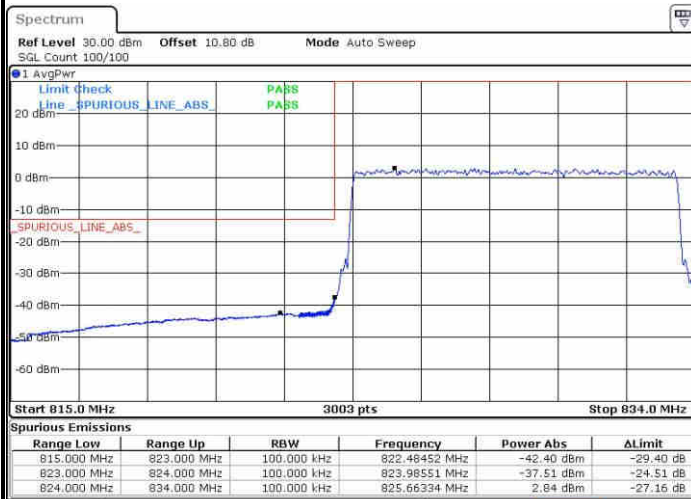
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



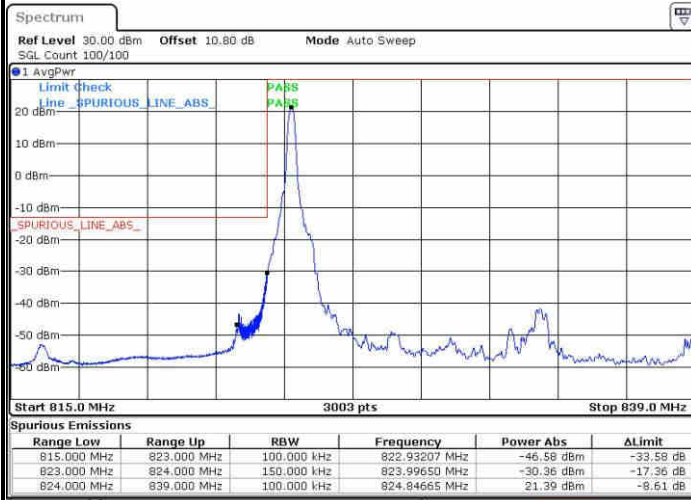
Highest Band Edge / Full RB



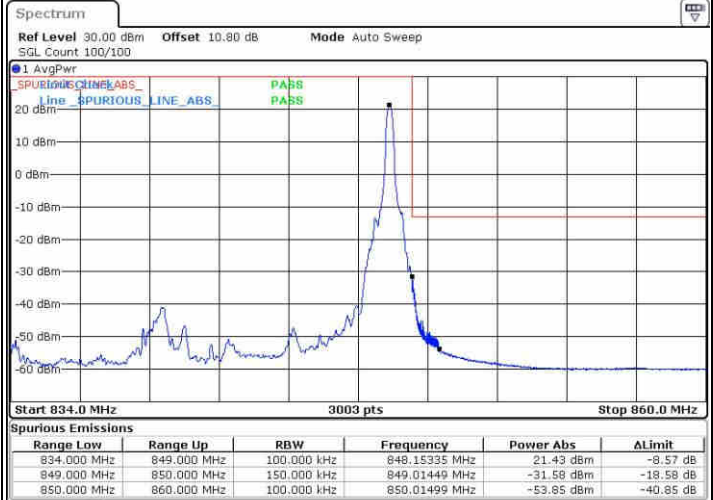


LTE Band 26 / 15MHz / QPSK

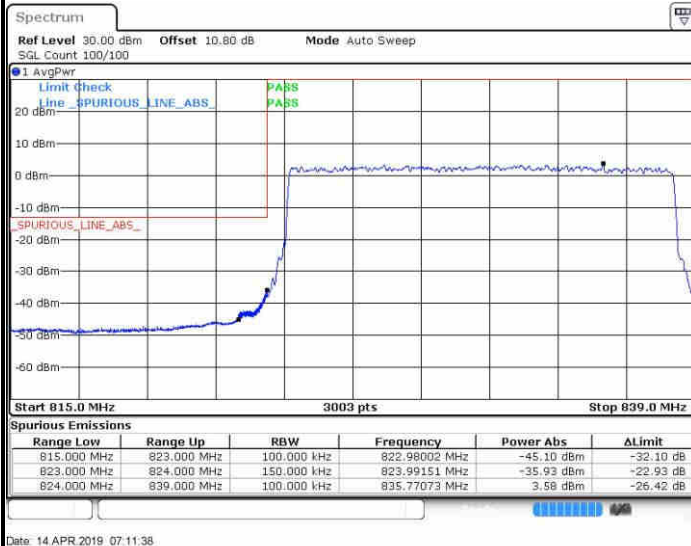
Lowest Band Edge / 1 RB



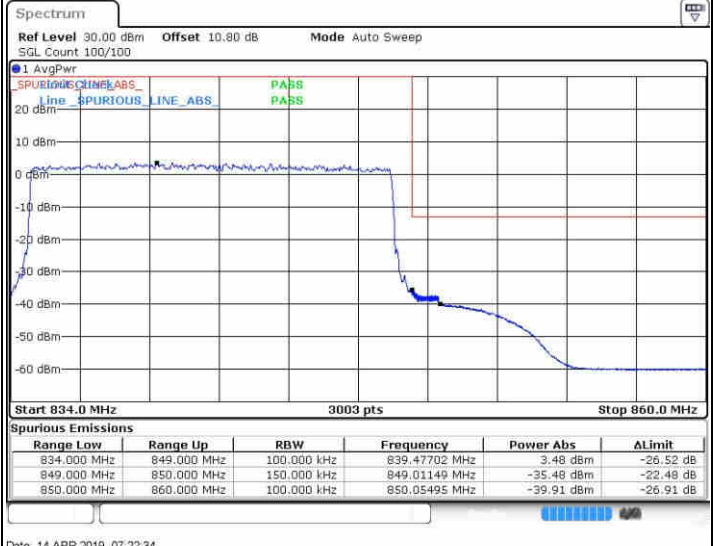
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



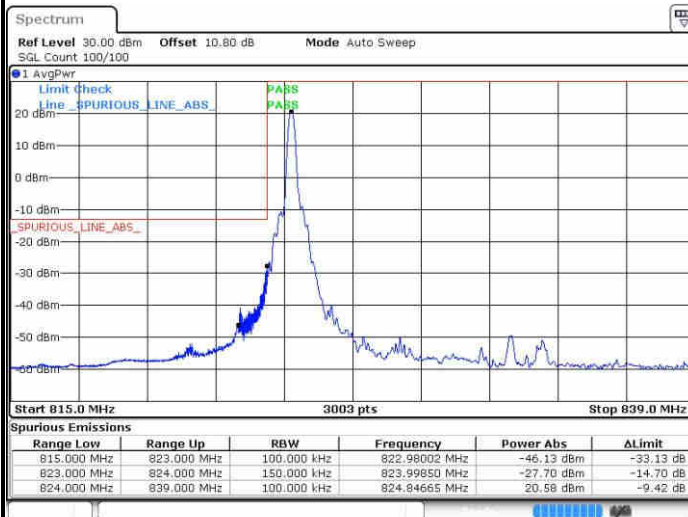
Highest Band Edge / Full RB



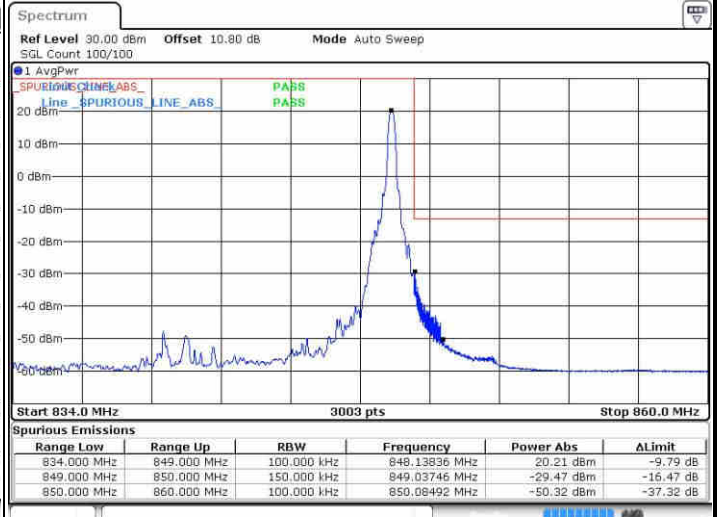


LTE Band 26 / 15MHz / 16QAM

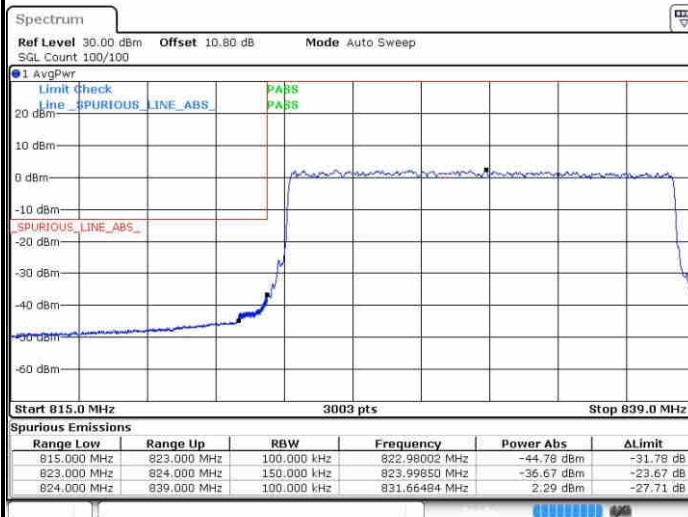
Lowest Band Edge / 1 RB



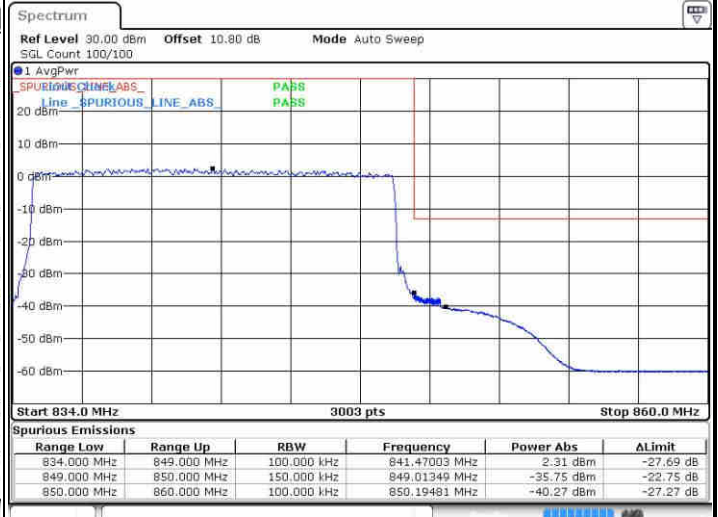
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



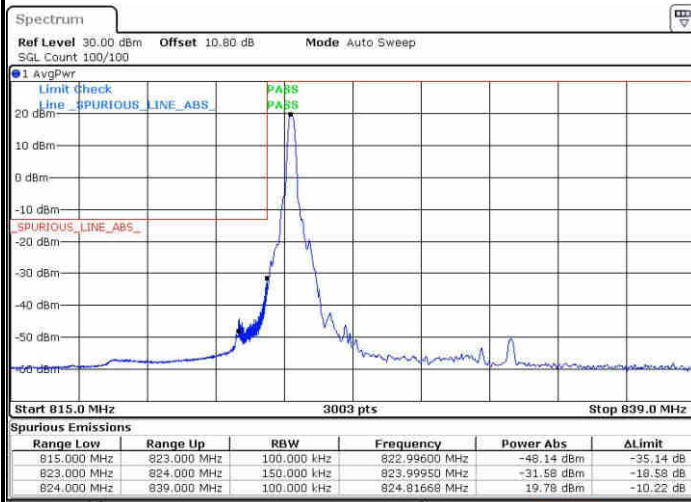
Highest Band Edge / Full RB



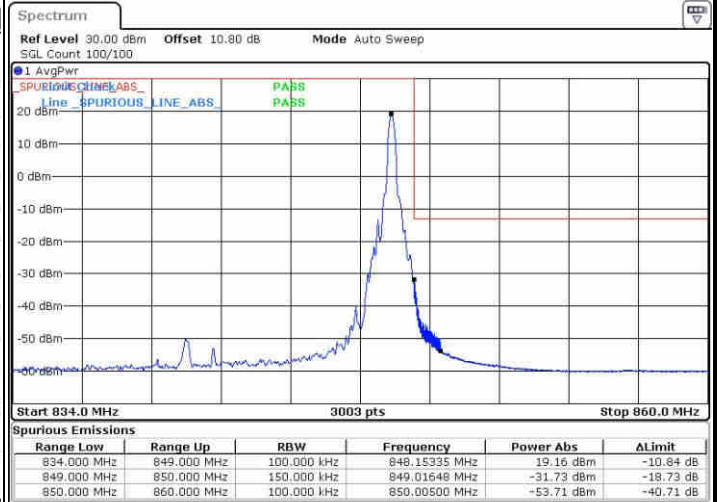


LTE Band 26 / 15MHz / 64QAM

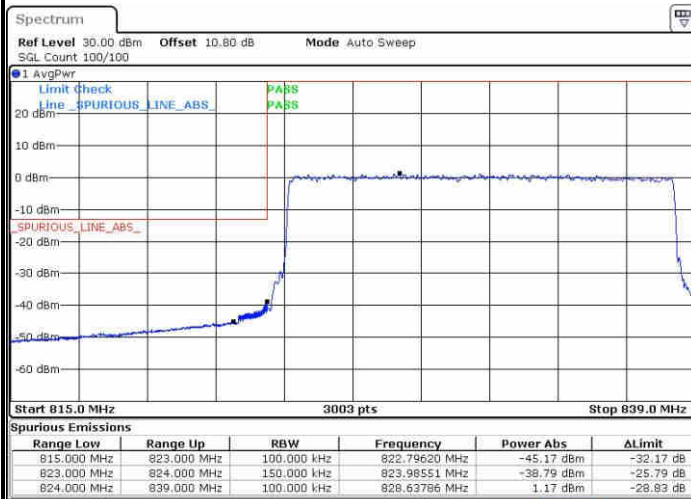
Lowest Band Edge / 1 RB



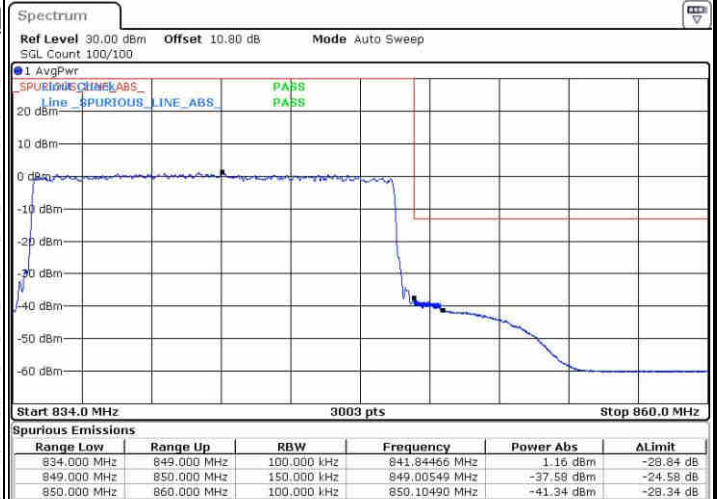
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

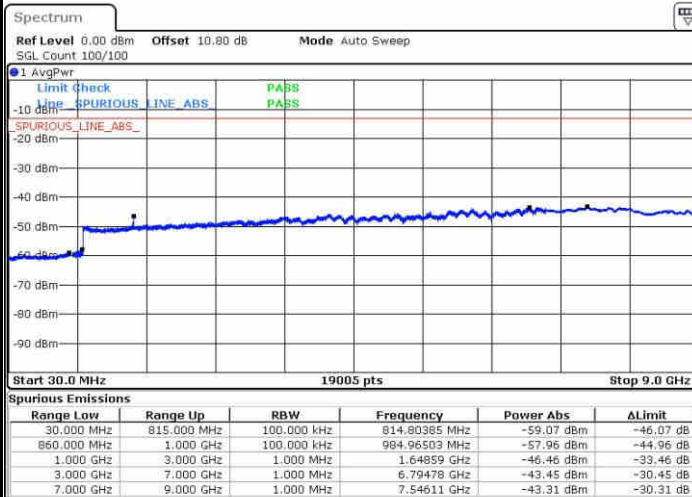




Conducted Spurious Emission

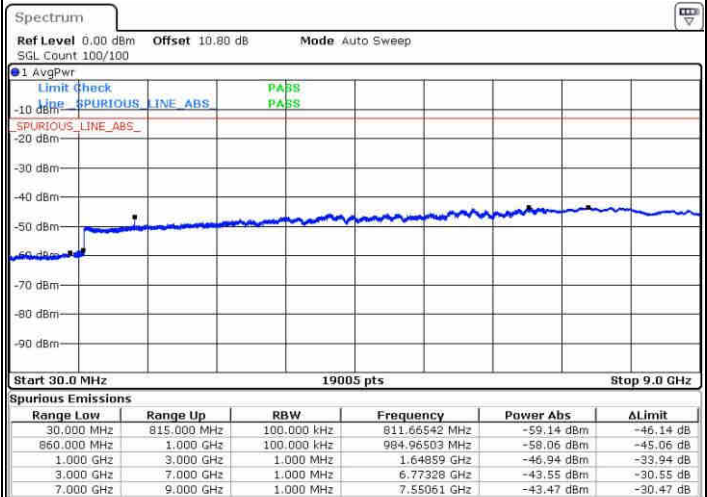
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



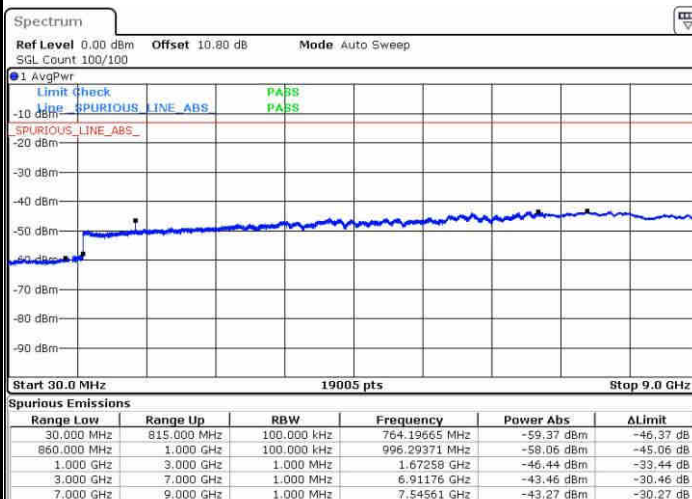
Date: 14 APR 2019 05:29:42

Lowest Channel / 16QAM



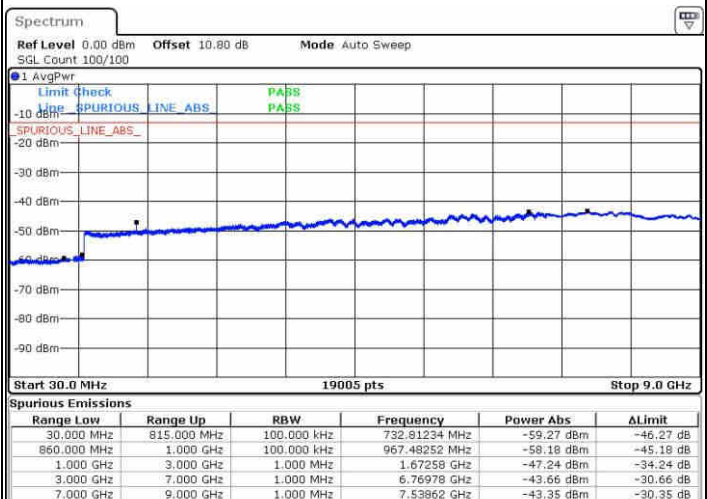
Date: 14 APR 2019 05:30:33

Middle Channel / QPSK



Date: 14 APR 2019 05:32:13

Middle Channel / 16QAM

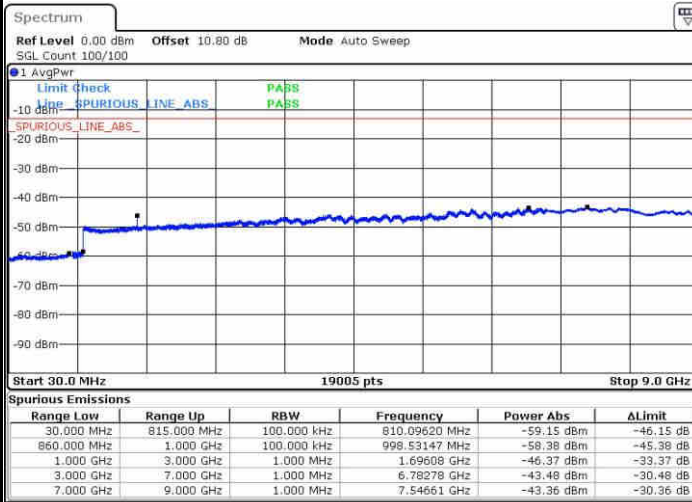


Date: 14 APR 2019 05:33:04



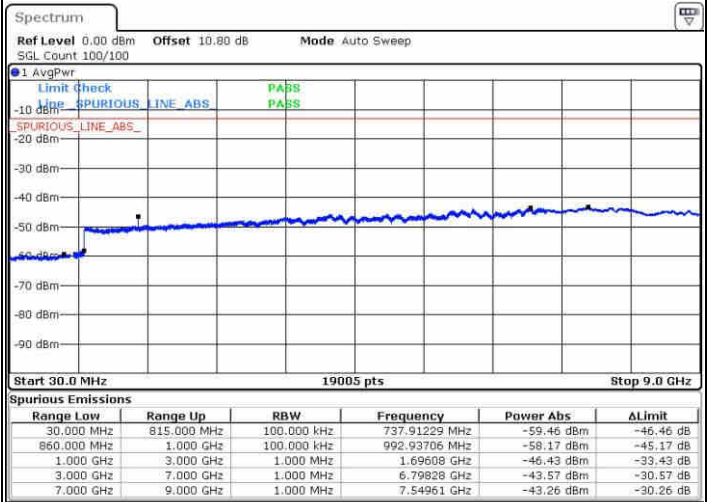
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 14 APR 2019 05:41:28

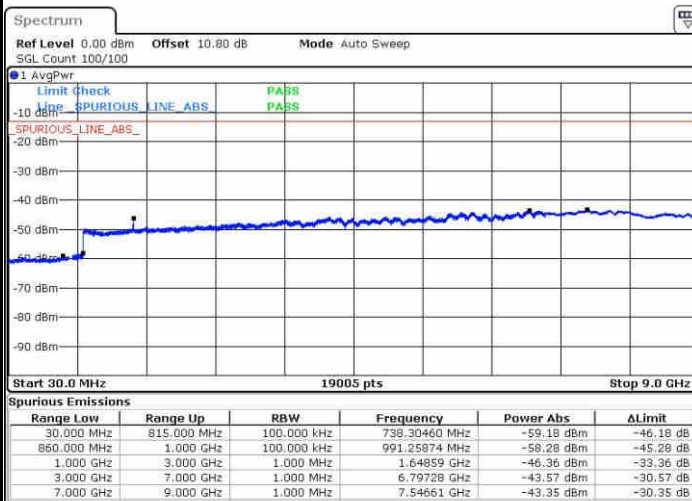
Highest Channel / 16QAM



Date: 14 APR 2019 05:42:20

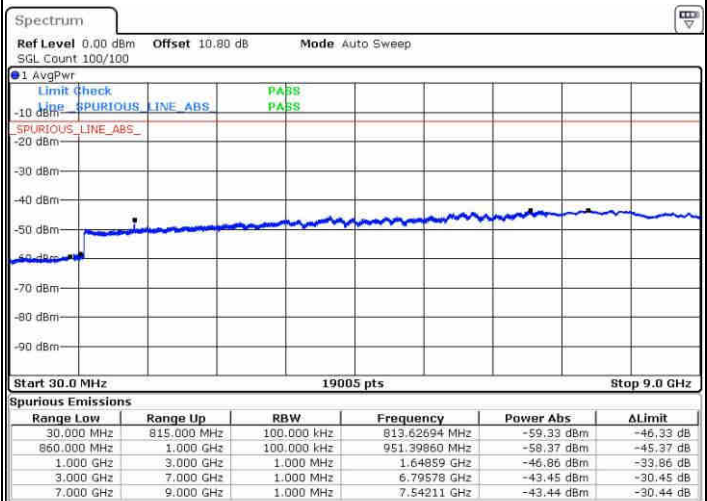
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 14 APR 2019 06:31:33

Lowest Channel / 16QAM

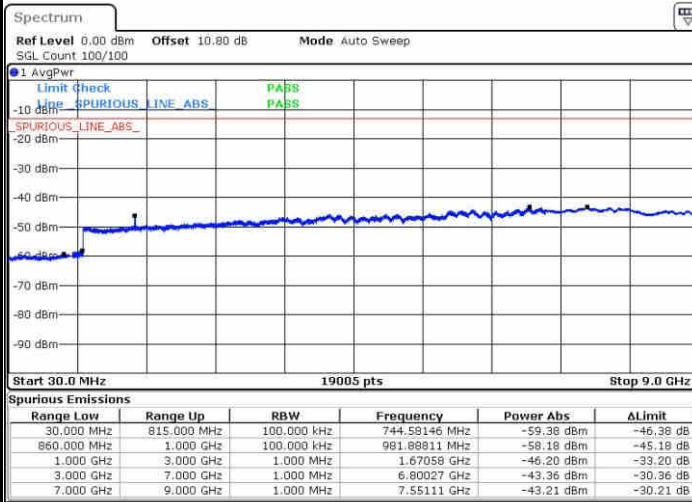


Date: 14 APR 2019 06:32:24



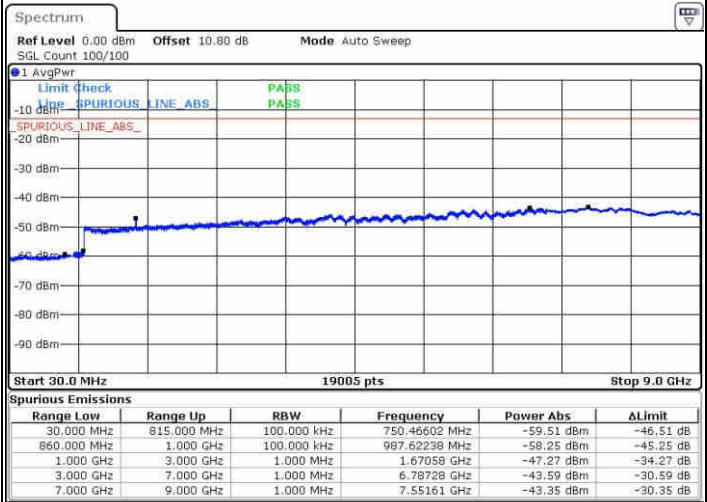
LTE Band 26 / 3MHz

Middle Channel / QPSK



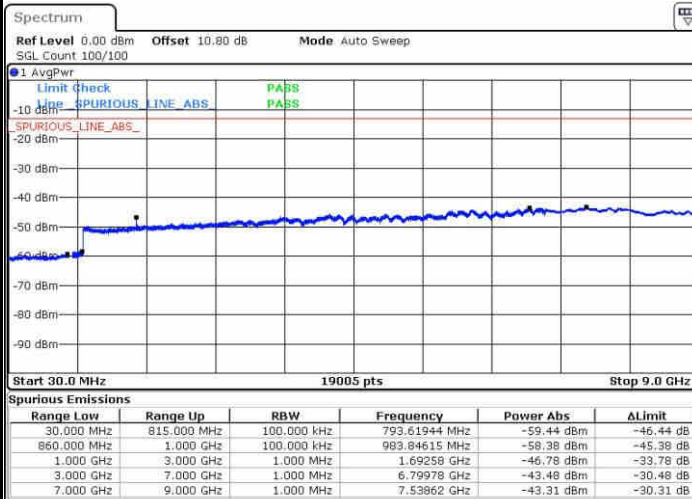
Date: 14 APR 2019 06:34:04

Middle Channel / 16QAM



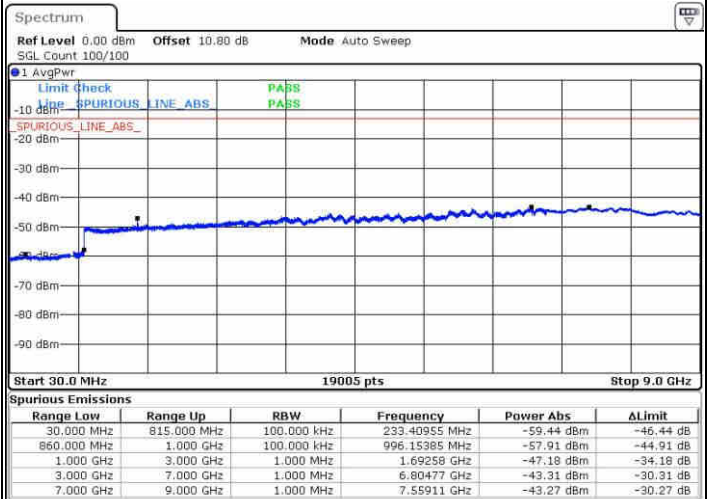
Date: 14 APR 2019 06:34:55

Highest Channel / QPSK



Date: 14 APR 2019 06:40:23

Highest Channel / 16QAM

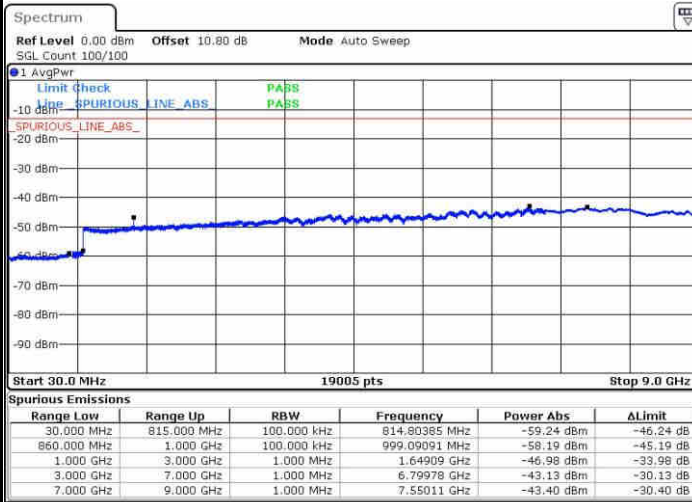


Date: 14 APR 2019 06:41:14



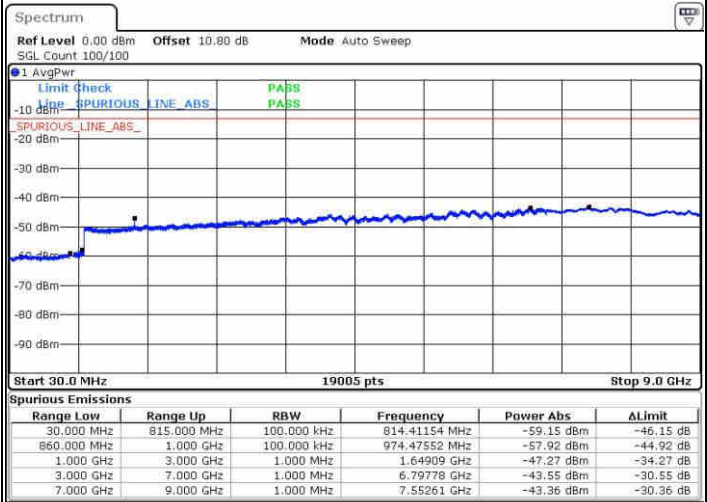
LTE Band 26 / 5MHz

Lowest Channel / QPSK



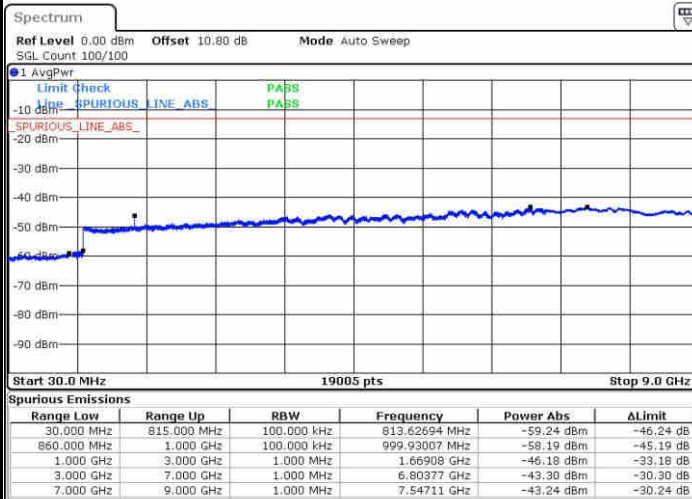
Date: 14 APR 2019 06:46:18

Lowest Channel / 16QAM



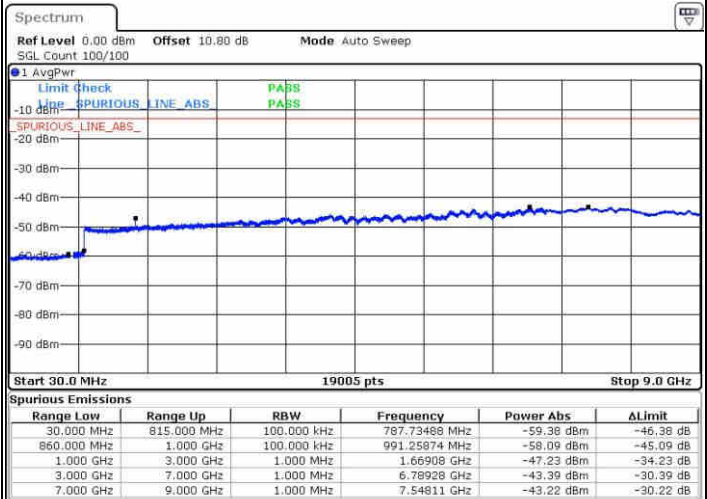
Date: 14 APR 2019 06:47:10

Middle Channel / QPSK



Date: 14 APR 2019 06:48:50

Middle Channel / 16QAM

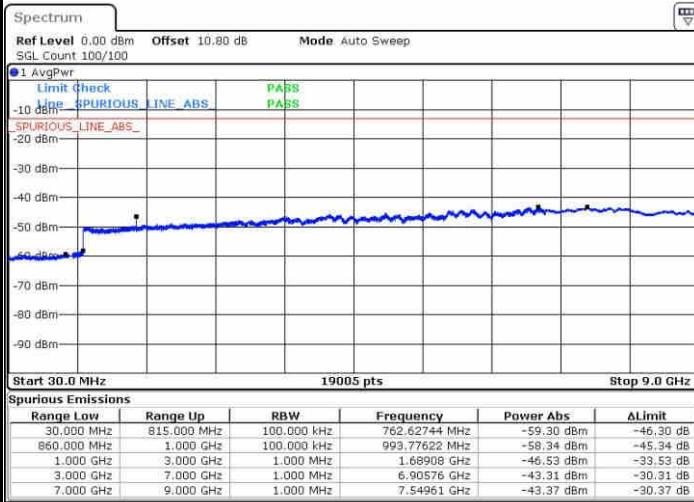


Date: 14 APR 2019 06:48:41



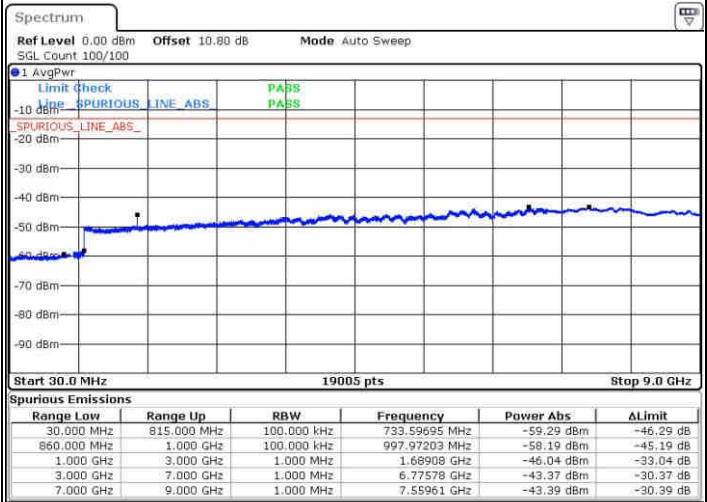
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 14 APR 2019 06:54:45

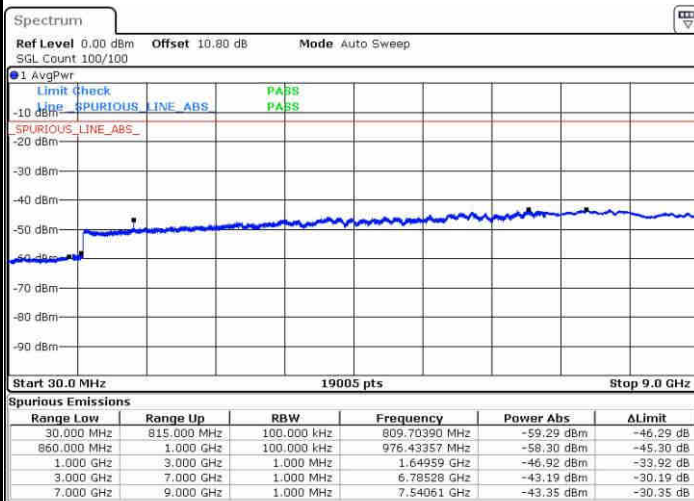
Highest Channel / 16QAM



Date: 14 APR 2019 06:55:37

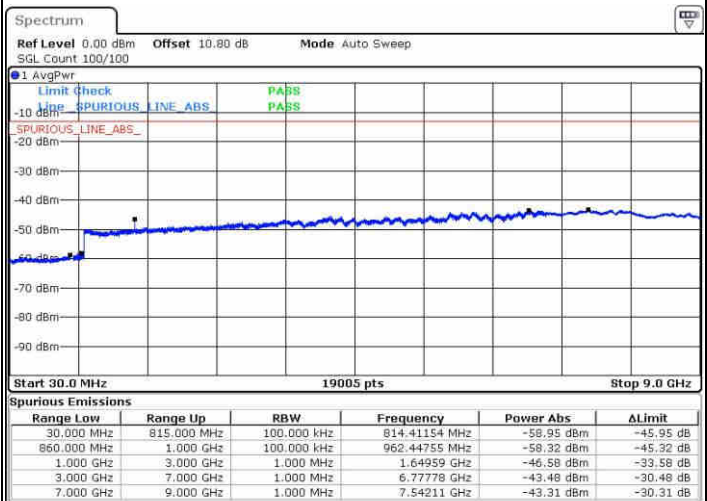
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 14 APR 2019 07:00:41

Lowest Channel / 16QAM

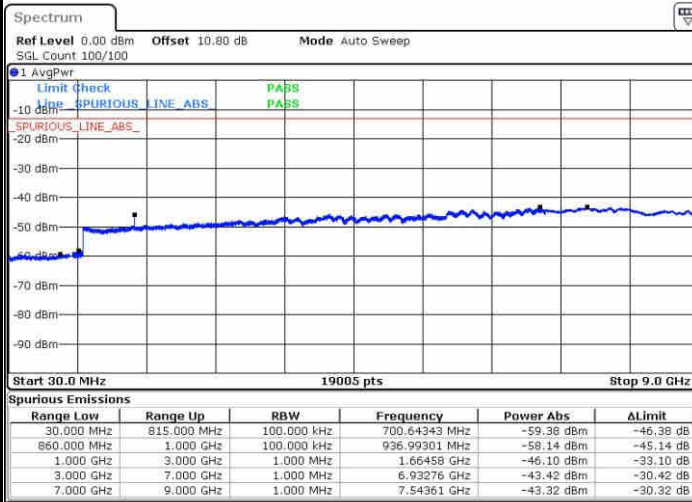


Date: 14 APR 2019 07:01:33



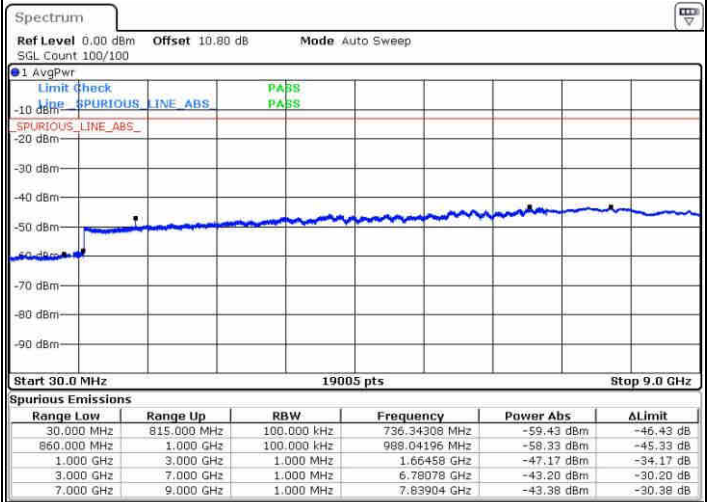
LTE Band 26 / 10MHz

Middle Channel / QPSK



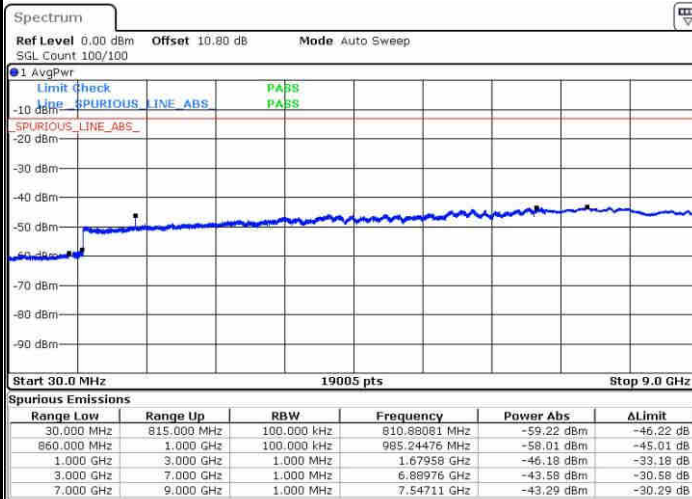
Date: 14 APR 2019 07:03:13

Middle Channel / 16QAM



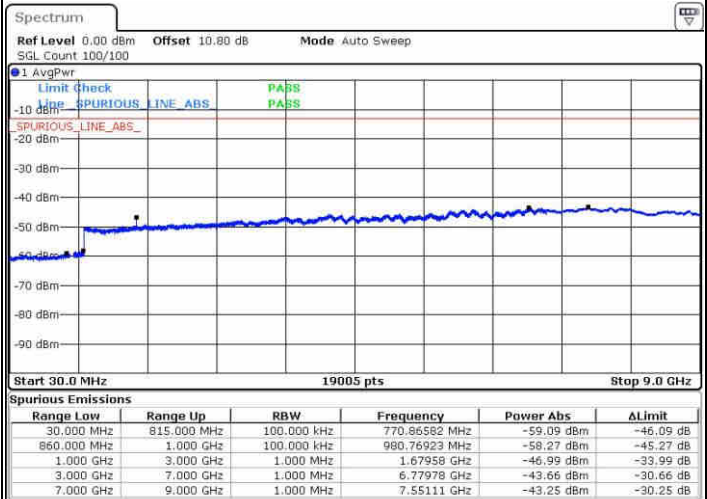
Date: 14 APR 2019 07:04:04

Highest Channel / QPSK



Date: 14 APR 2019 07:09:08

Highest Channel / 16QAM

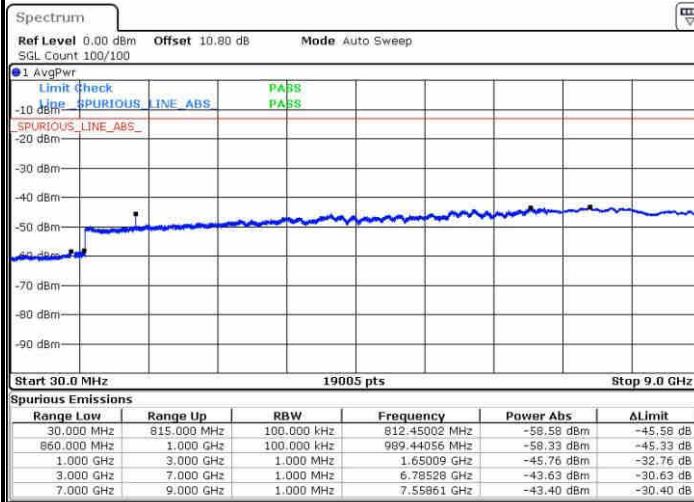


Date: 14 APR 2019 07:09:59



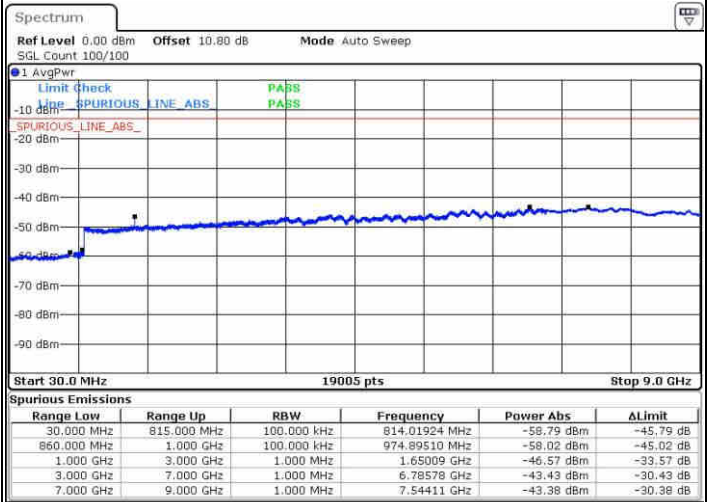
LTE Band 26 / 15MHz

Lowest Channel / QPSK



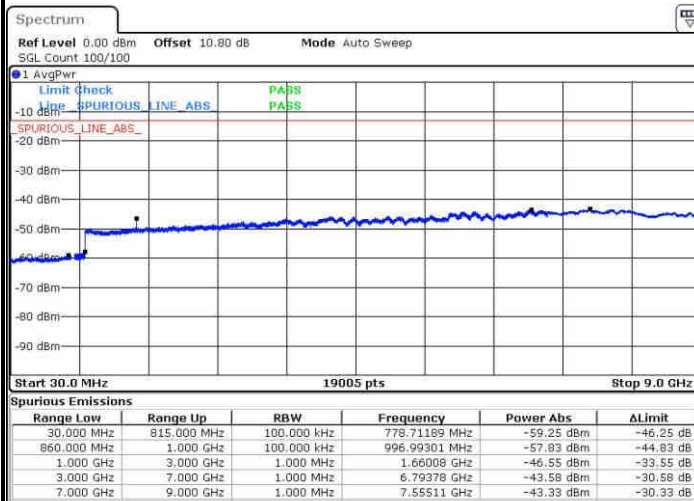
Date: 14 APR 2019 07:14:59

Lowest Channel / 16QAM



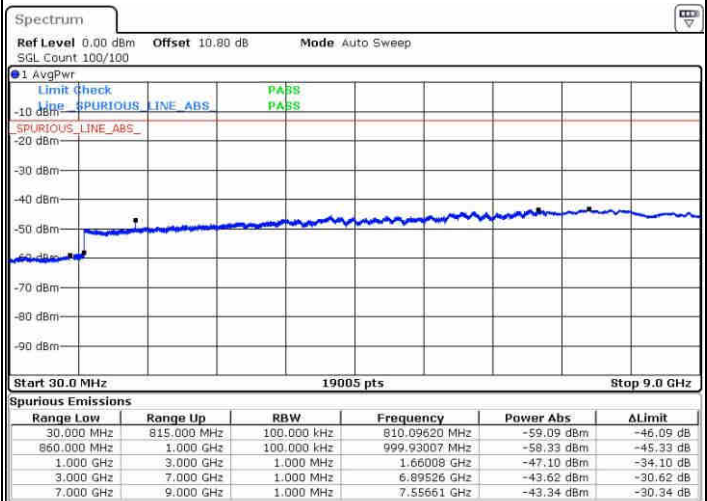
Date: 14 APR 2019 07:15:49

Middle Channel / QPSK



Date: 14 APR 2019 07:17:29

Middle Channel / 16QAM

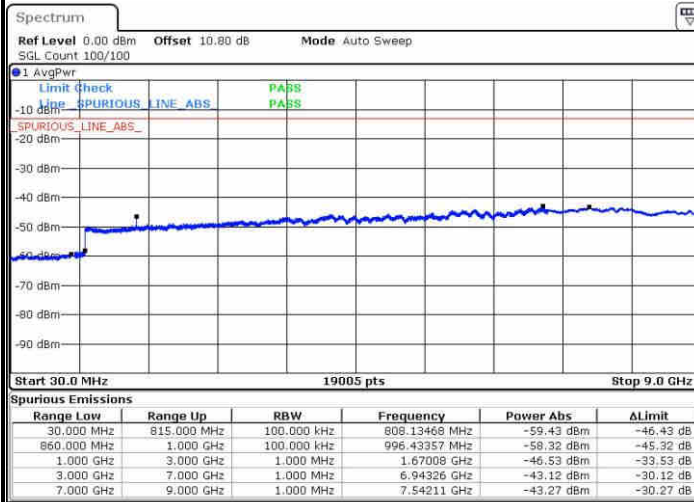


Date: 14 APR 2019 07:18:21



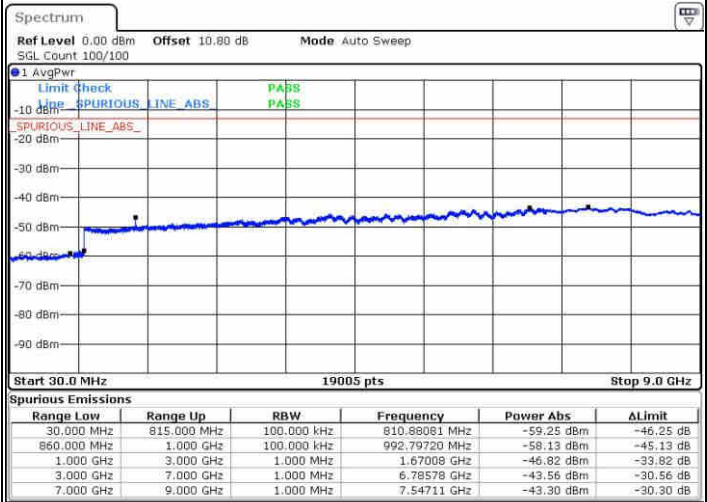
LTE Band 26 / 15MHz

Highest Channel / QPSK



Date: 14 APR 2019 07:23:25

Highest Channel / 16QAM

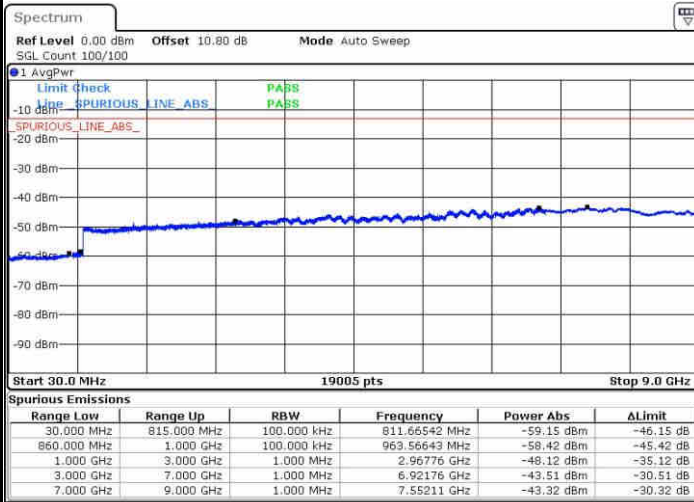


Date: 14 APR 2019 07:24:16



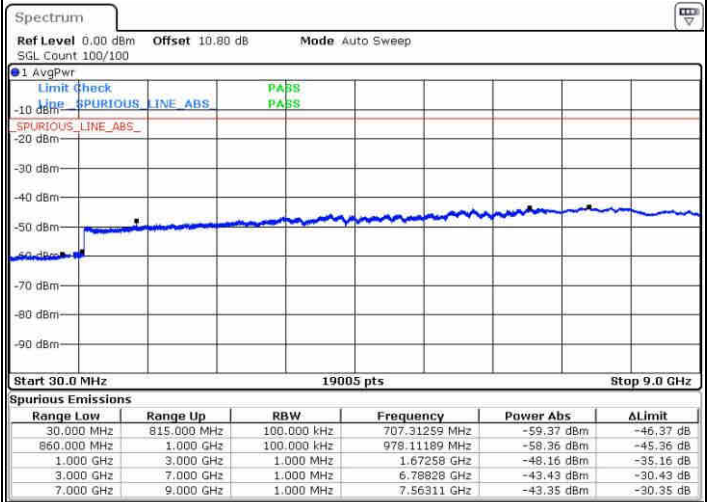
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



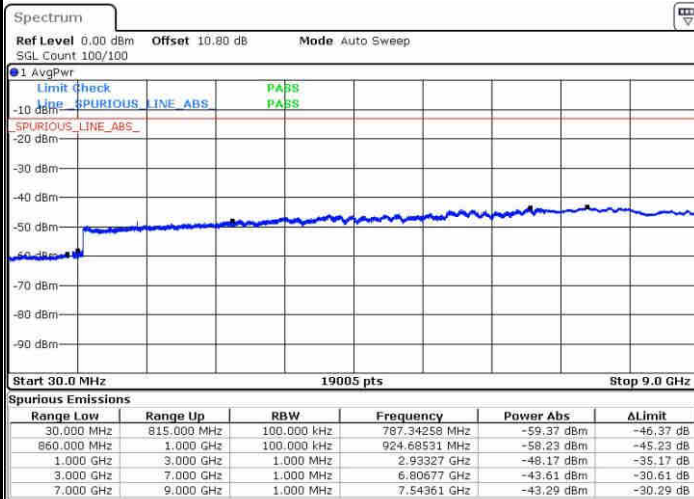
Date: 14 APR 2019 05:46:57

Middle Channel / 64QAM



Date: 14 APR 2019 05:48:13

Highest Channel / 64QAM

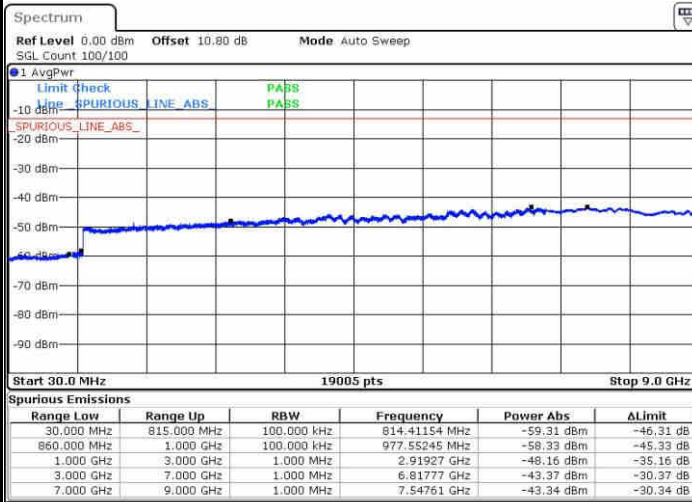


Date: 14 APR 2019 05:52:50



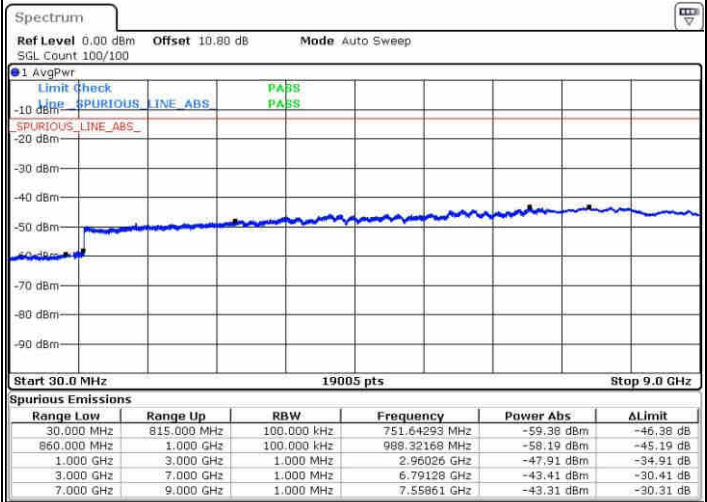
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



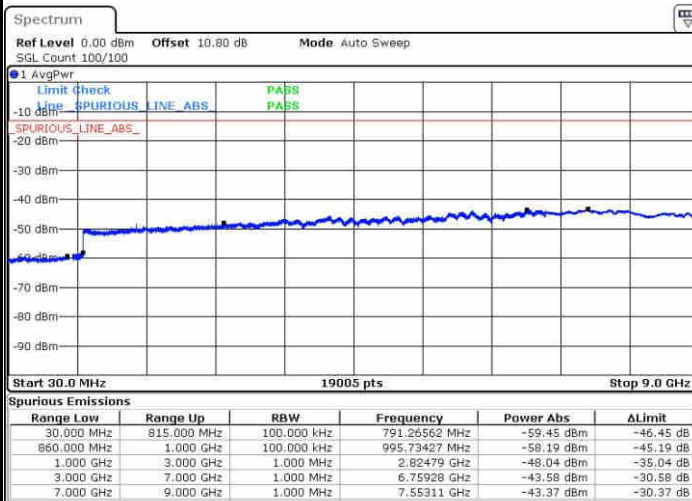
Date: 14 APR 2019 05:56:28

Middle Channel / 64QAM



Date: 14 APR 2019 05:57:44

Highest Channel / 64QAM

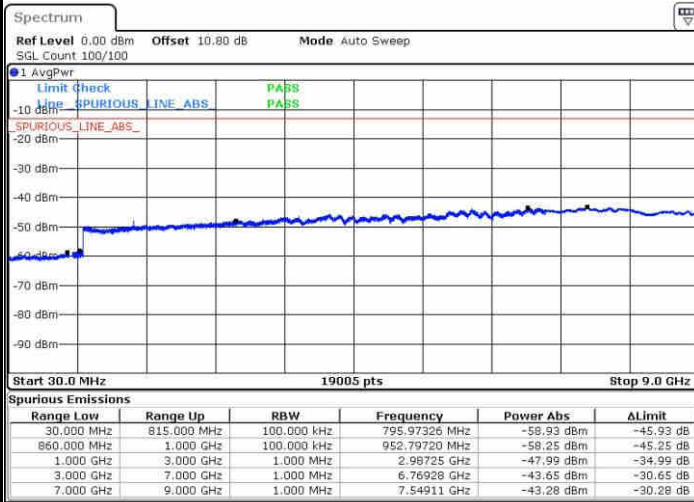


Date: 14 APR 2019 06:00:54



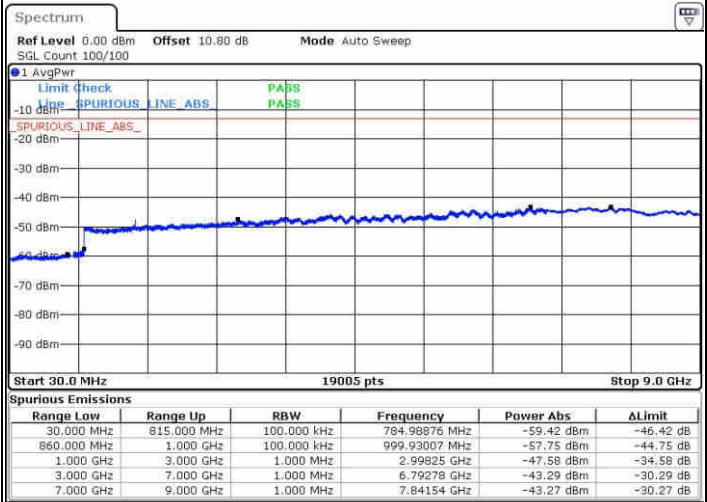
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



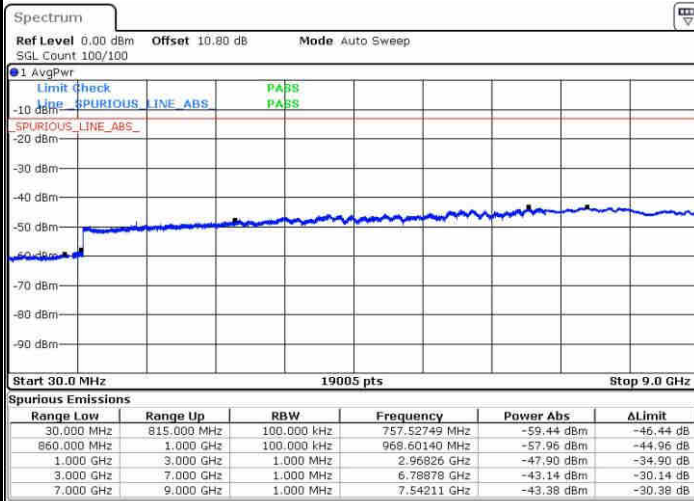
Date: 14 APR 2019 06:03:52

Middle Channel / 64QAM



Date: 14 APR 2019 06:05:07

Highest Channel / 64QAM

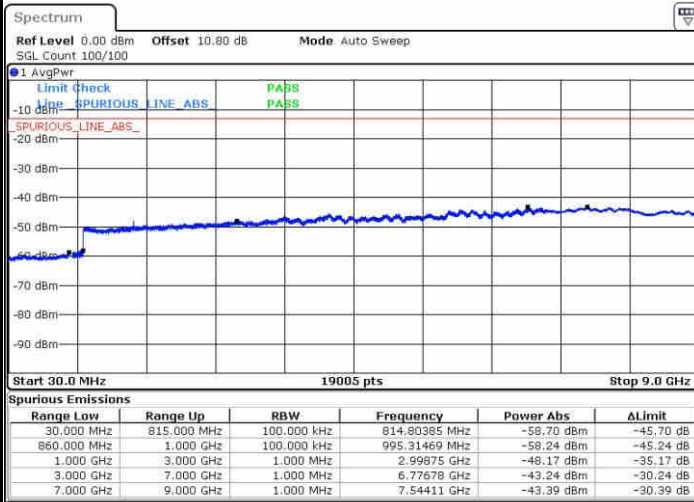


Date: 14 APR 2019 06:08:05



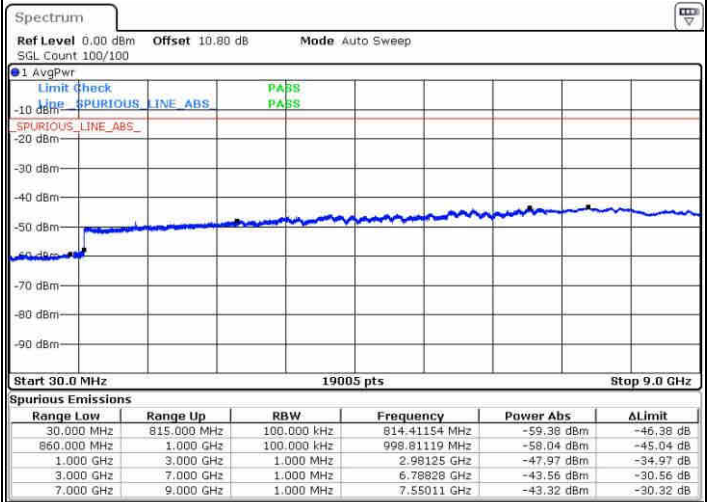
LTE Band 26 / 10MHz

Lowest Channel / 64QAM



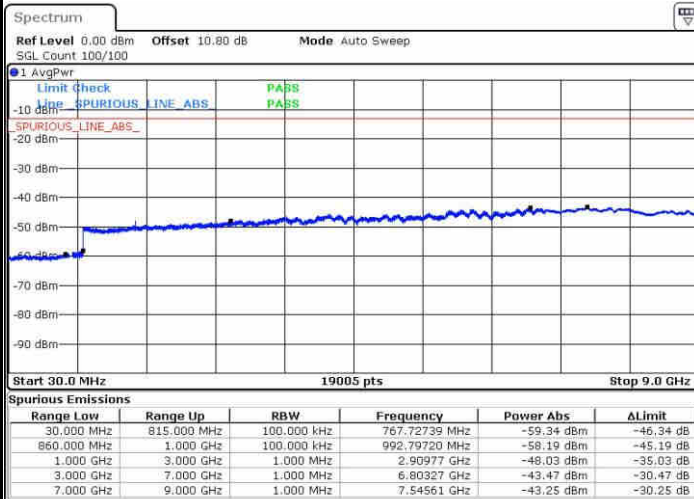
Date: 14 APR 2019 06:11:03

Middle Channel / 64QAM



Date: 14 APR 2019 06:12:19

Highest Channel / 64QAM

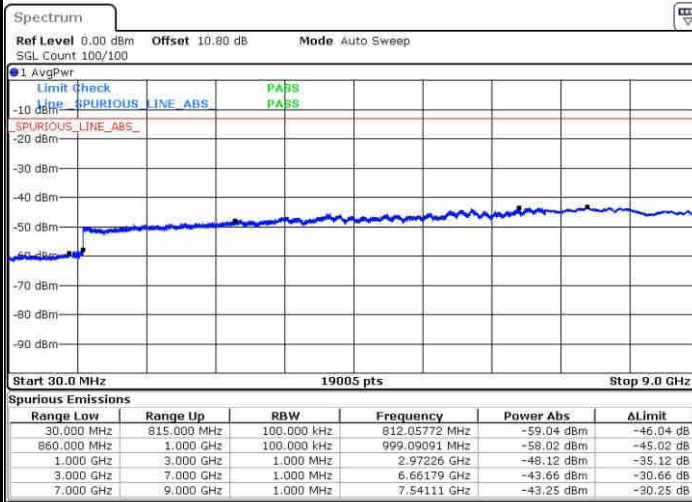


Date: 14 APR 2019 06:15:16



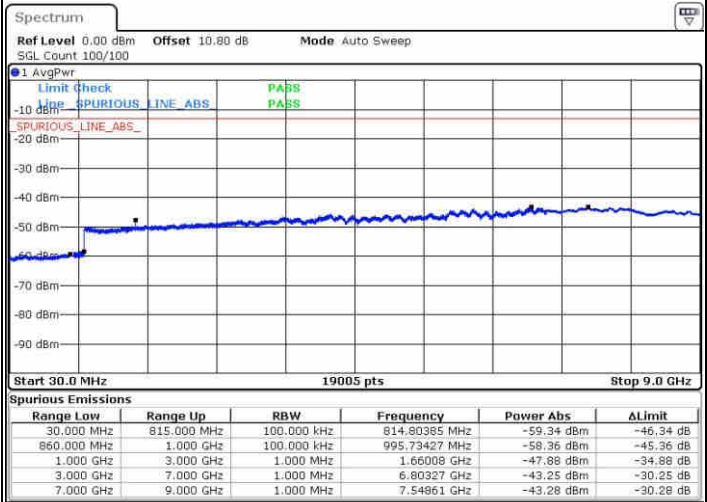
LTE Band 26 / 15MHz

Lowest Channel / 64QAM



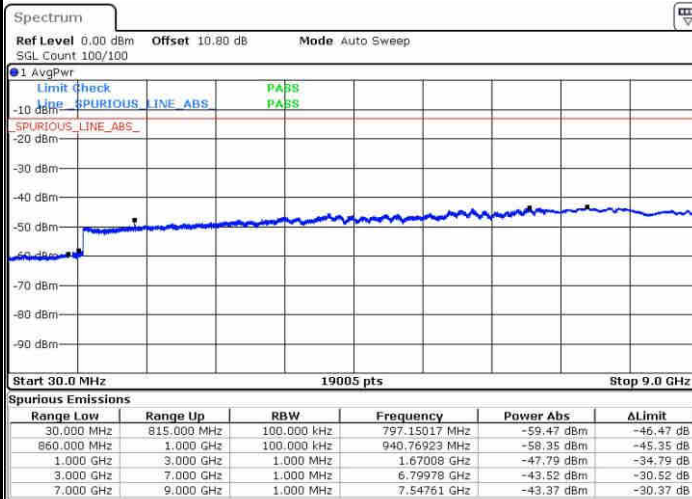
Date: 14 APR 2019 07:27:11

Middle Channel / 64QAM



Date: 14 APR 2019 07:28:26

Highest Channel / 64QAM



Date: 14 APR 2019 08:25:39

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	0.0018	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0045	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0091	
-30	Normal Voltage	0.0102	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

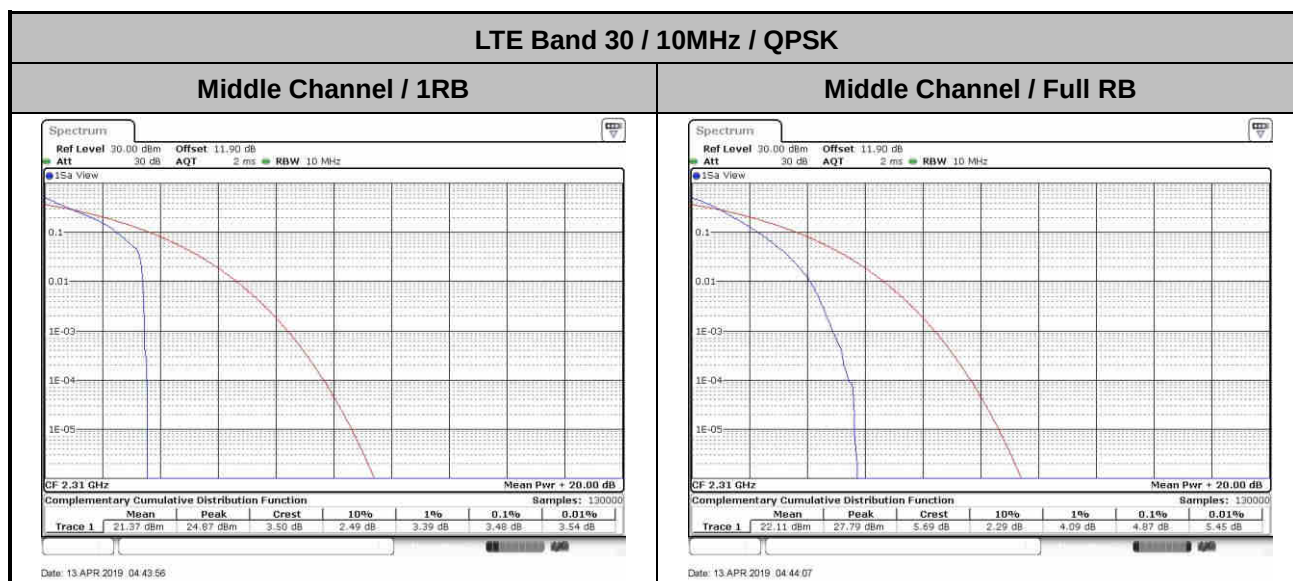
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 30

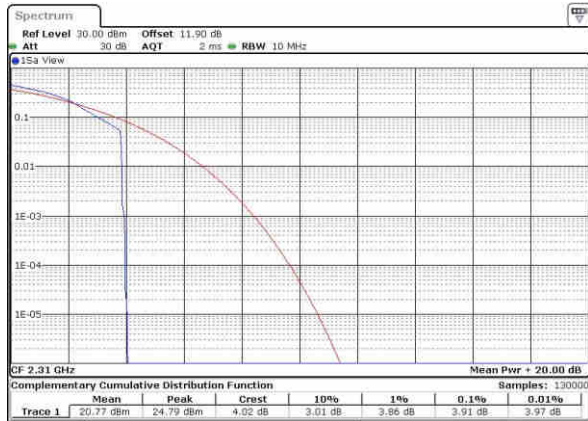
Peak-to-Average Ratio

Mode	LTE Band 30 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.48	4.87	3.91	5.68	
Highest CH	-	-	-	-	
Mode	LTE Band 30 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.01	6.23	-	-	
Highest CH	-	-	-	-	



LTE Band 30 / 10MHz / 16QAM

Middle Channel / 1RB



Date: 13 APR 2019 04:43:34

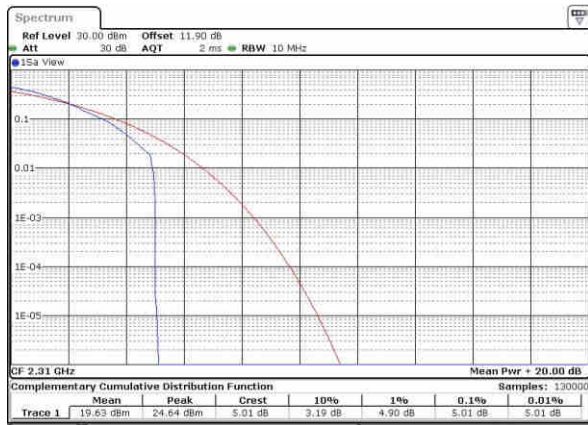
Middle Channel / Full RB



Date: 13 APR 2019 04:43:44

LTE Band 30 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 13 APR 2019 04:43:12

Middle Channel / Full RB



Date: 13 APR 2019 04:43:23

**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	-	-	-	-	24.02	23.36	-	-	-	-	-	-
Middle CH	-	-	-	-	24.06	23.41	24.06	23.15	-	-	-	-
Highest CH	-	-	-	-	24.27	23.38	-	-	-	-	-	-
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	-	-	-	-	22.30	-	-	-	-	-	-	-
Middle CH	-	-	-	-	22.35	-	22.34	-	-	-	-	-
Highest CH	-	-	-	-	22.52	-	-	-	-	-	-	-

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	-	-	-	-	22.02	21.36			-	-	-	-
Middle CH	-	-	-	-	22.06	21.41	22.06	21.15	-	-	-	-
Highest CH	-	-	-	-	22.27	21.38			-	-	-	-
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	-	-	-	-	20.30	-	-	-	-	-	-	-
Middle CH	-	-	-	-	20.35	-	20.34	-	-	-	-	-
Highest CH	-	-	-	-	20.52	-	-	-	-	-	-	-
Antenna Gain	-2.0 dBi											
Limit	250mW / 5MHz = 24dBm / 5MHz											
Result	Pass											



LTE Band 30 / 5MHz

Lowest Channel / 5MHz / 1RB0 / QPSK



Date: 13 APR 2019 05:05:31

Lowest Channel / 5MHz / 1RB0 / 16QAM



Date: 13 APR 2019 05:05:50

Middle Channel / 5MHz / 1RB0 / QPSK



Date: 13 APR 2019 05:06:27

Middle Channel / 5MHz / 1RB0 / 16QAM



Date: 13 APR 2019 05:06:45

Highest Channel / 5MHz / 1RB0 / QPSK



Date: 13 APR 2019 05:07:22

Highest Channel / 5MHz / 1RB0 / 16QAM



Date: 13 APR 2019 05:07:41



LTE Band 30 / 5MHz

Lowest Channel / 5MHz / 1RB0 / 64QAM



Date: 13 APR 2019 05 06 09

Middle Channel / 5MHz / 1RB0 / 64QAM



Date: 13 APR 2019 05 07 03

Highest Channel / 5MHz / 1RB0 / 64QAM

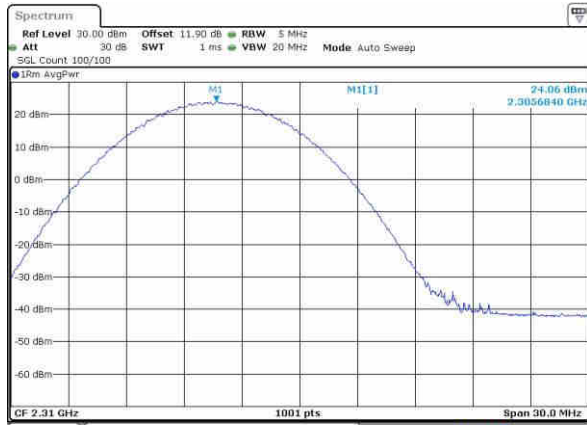


Date: 13 APR 2019 05 07 59



LTE Band 30 / 10MHz

Lowest Channel / 10MHz / 1RB0 / QPSK



Date: 13 APR 2019 05:08:18

Lowest Channel / 10MHz / 1RB0 / 16QAM



Date: 13 APR 2019 05:08:37

Lowest Channel / 10MHz / 1RB0 / 64QAM



Date: 13 APR 2019 05:08:55

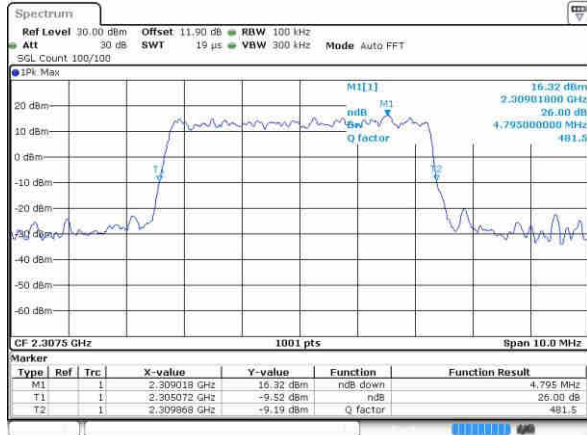
**26dB Bandwidth**

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	-	-	-	-	4.80	4.89	-	-	-	-	-	-
Middle CH	-	-	-	-	4.87	4.92	9.83	9.87	-	-	-	-
Highest CH	-	-	-	-	4.89	4.87	-	-	-	-	-	-
Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.81	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.98	-	9.67	-	-	-	-	-
Highest CH	-	-	-	-	4.91	-	-	-	-	-	-	-



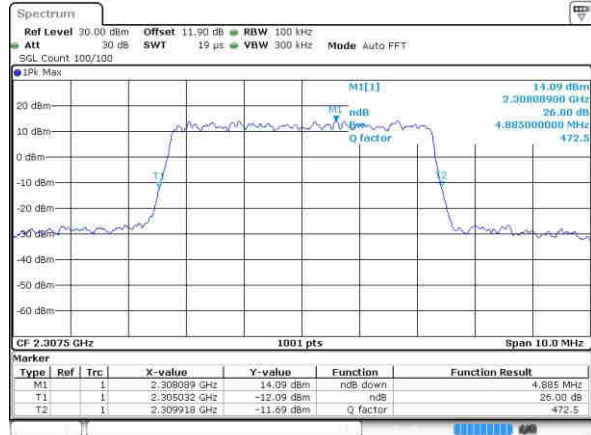
LTE Band 30

Lowest Channel / 5MHz / QPSK



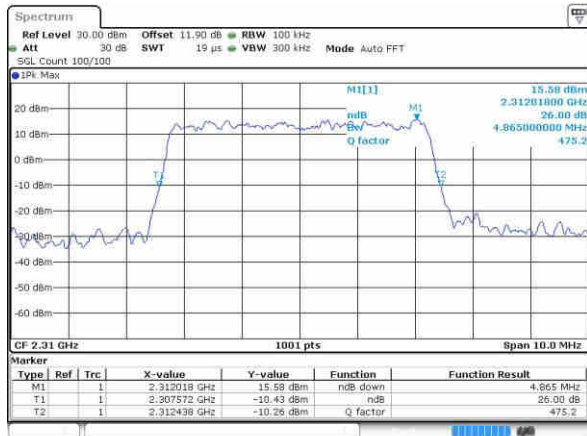
Date: 13 APR 2019 04:16:06

Lowest Channel / 5MHz / 16QAM



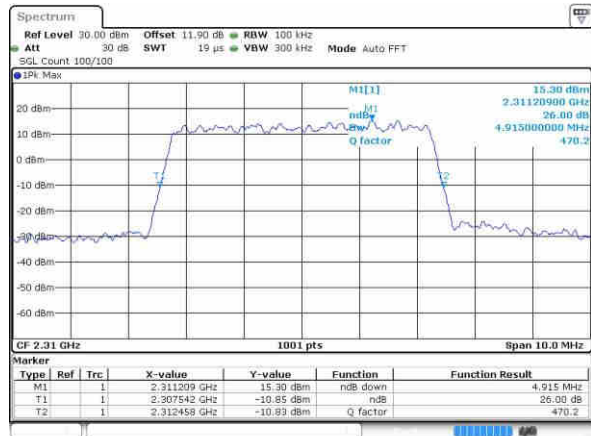
Date: 13 APR 2019 04:16:16

Middle Channel / 5MHz / QPSK



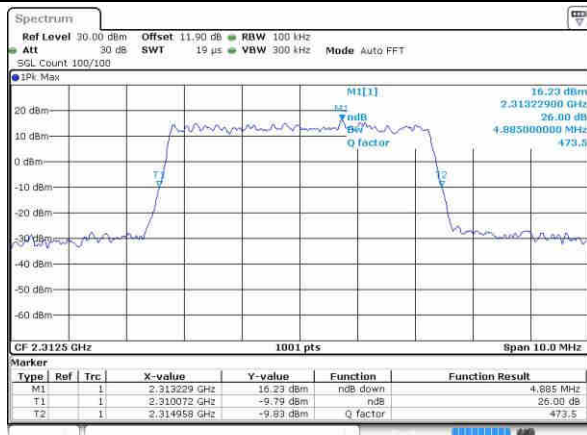
Date: 13 APR 2019 04:20:21

Middle Channel / 5MHz / 16QAM



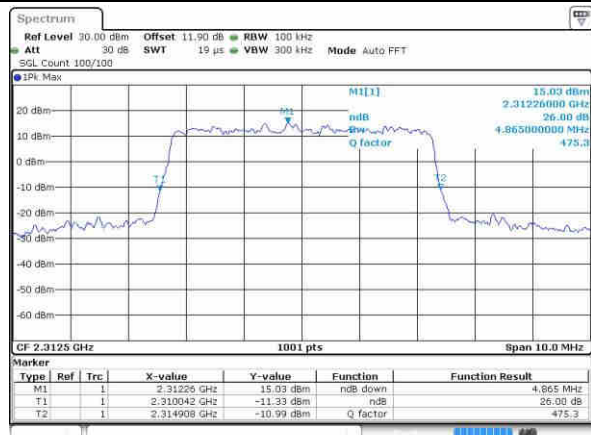
Date: 13 APR 2019 04:20:33

Highest Channel / 5MHz / QPSK



Date: 13 APR 2019 04:21:09

Highest Channel / 5MHz / 16QAM

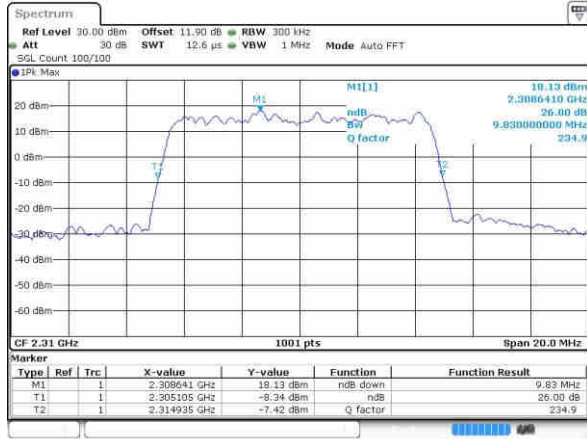


Date: 13 APR 2019 04:21:21



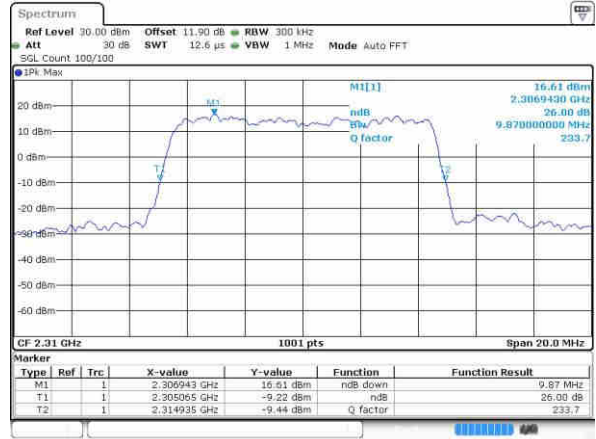
LTE Band 30

Middle Channel / 10MHz / QPSK



Date: 13 APR 2019 04:25:25

Middle Channel / 10MHz / 16QAM

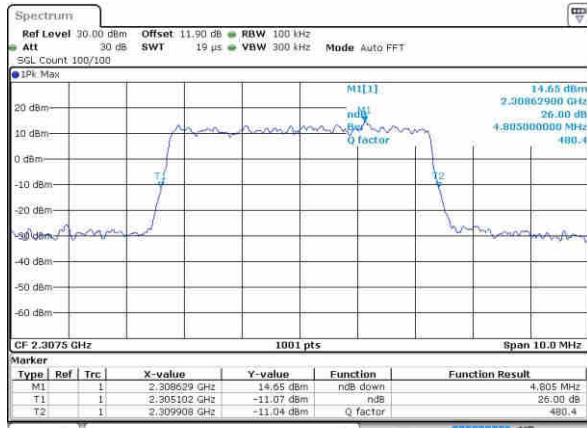


Date: 13 APR 2019 04:25:36



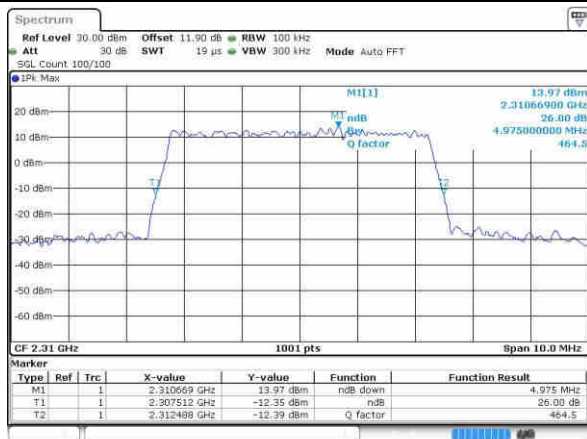
LTE Band 30

Lowest Channel / 5MHz / 64QAM



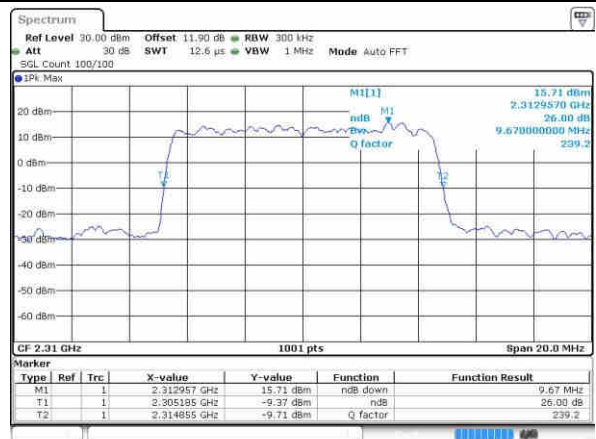
Date: 13 APR 2019 04:31:09

Middle Channel / 5MHz / 64QAM



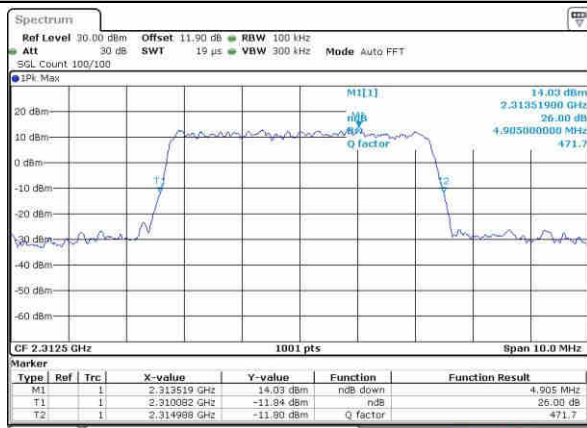
Date: 13 APR 2019 04:33:16

Middle Channel / 10MHz / 64QAM



Date: 13 APR 2019 04:35:47

Highest Channel / 5MHz / 64QAM



Date: 13 APR 2019 04:33:40

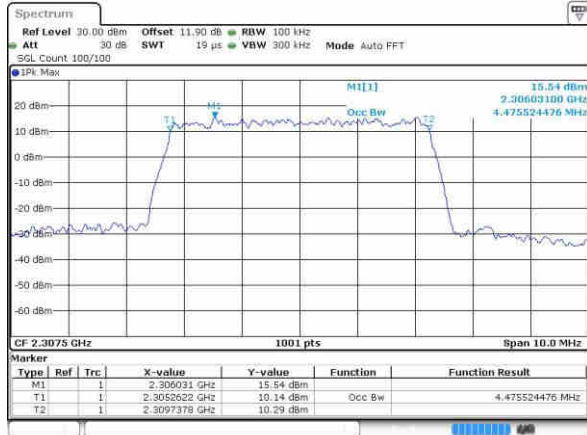
**Occupied Bandwidth**

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	-	-	-	-	4.48	4.52	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.46	9.03	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.47	-	-	-	-	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.54	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.52	-	9.03	-	-	-	-	-
Highest CH	-	-	-	-	4.50	-	-	-	-	-	-	-



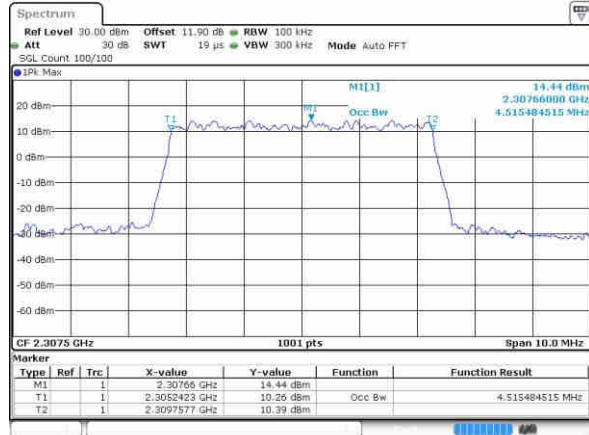
LTE Band 30

Lowest Channel / 5MHz / QPSK



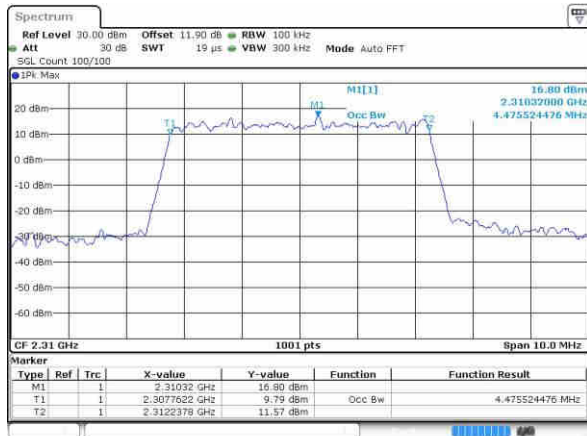
Date: 13 APR 2019 04:15:41

Lowest Channel / 5MHz / 16QAM



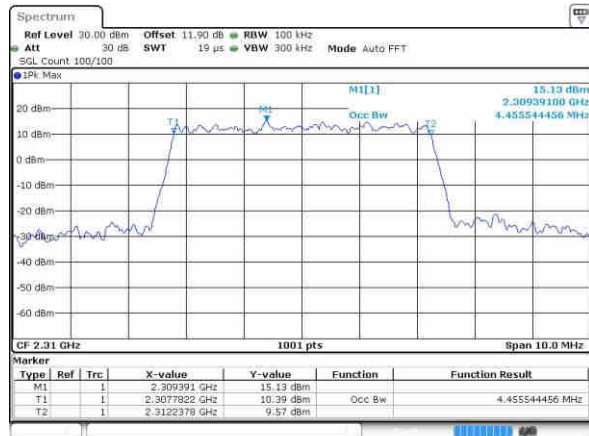
Date: 13 APR 2019 04:15:53

Middle Channel / 5MHz / QPSK



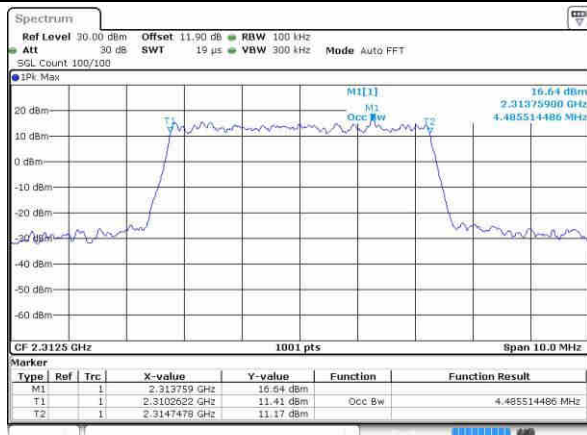
Date: 13 APR 2019 04:19:57

Middle Channel / 5MHz / 16QAM



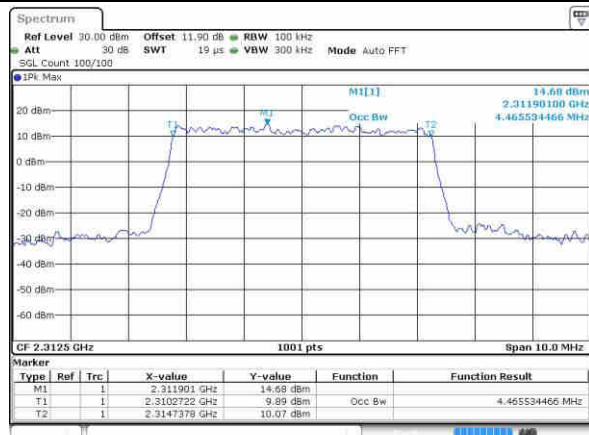
Date: 13 APR 2019 04:20:09

Highest Channel / 5MHz / QPSK



Date: 13 APR 2019 04:20:45

Highest Channel / 5MHz / 16QAM

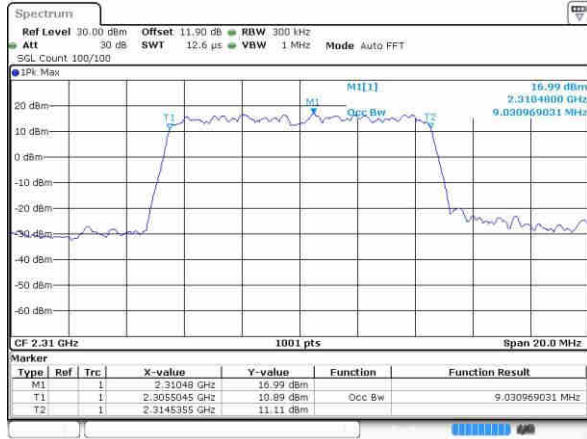


Date: 13 APR 2019 04:20:57

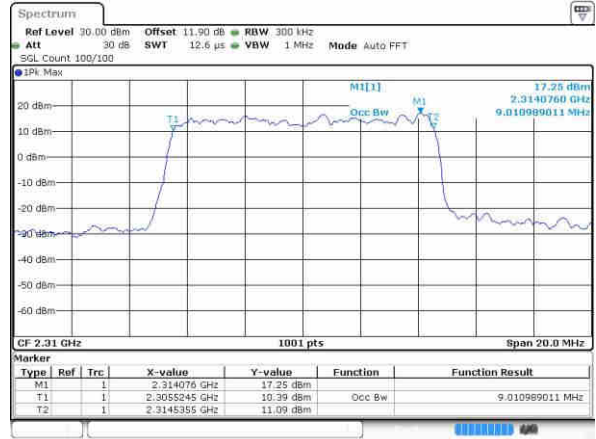


LTE Band 30

Middle Channel / 10MHz / QPSK



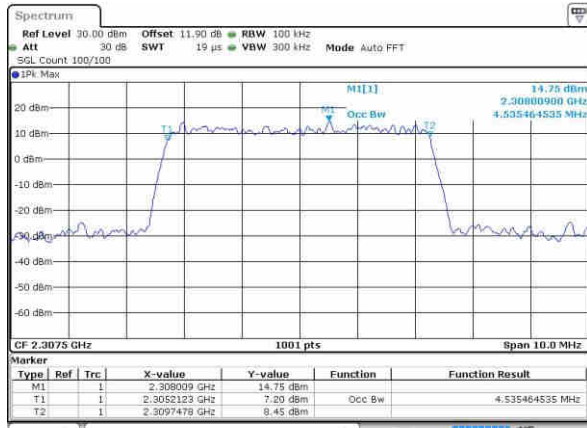
Middle Channel / 10MHz / 16QAM





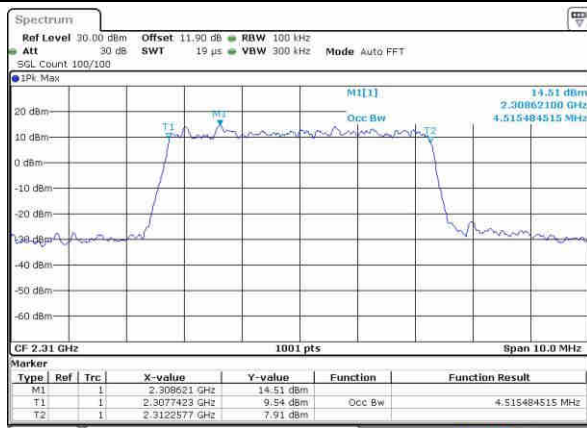
LTE Band 30

Lowest Channel / 5MHz / 64QAM



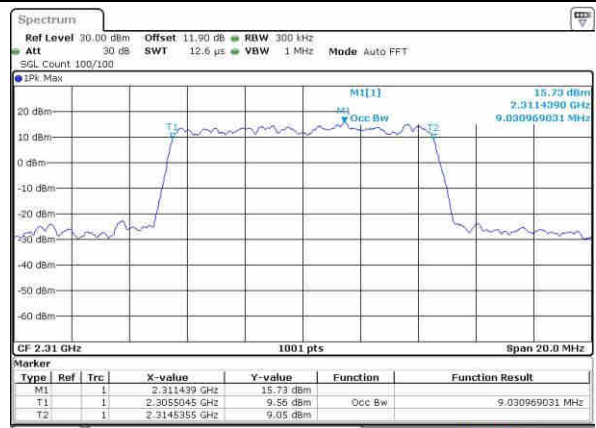
Date: 13 APR 2019 04:30:56

Middle Channel / 5MHz / 64QAM



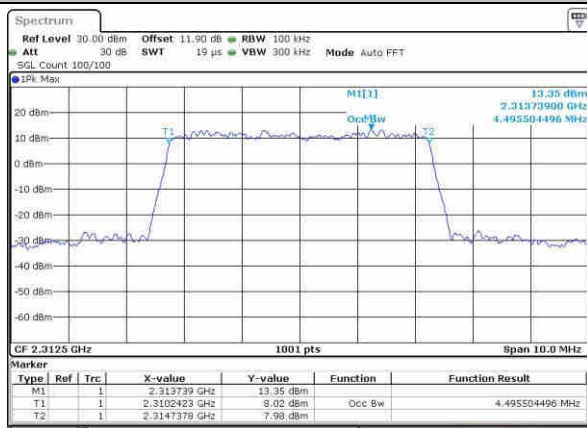
Date: 13 APR 2019 04:33:04

Middle Channel / 10MHz / 64QAM



Date: 13 APR 2019 04:35:36

Highest Channel / 5MHz / 64QAM



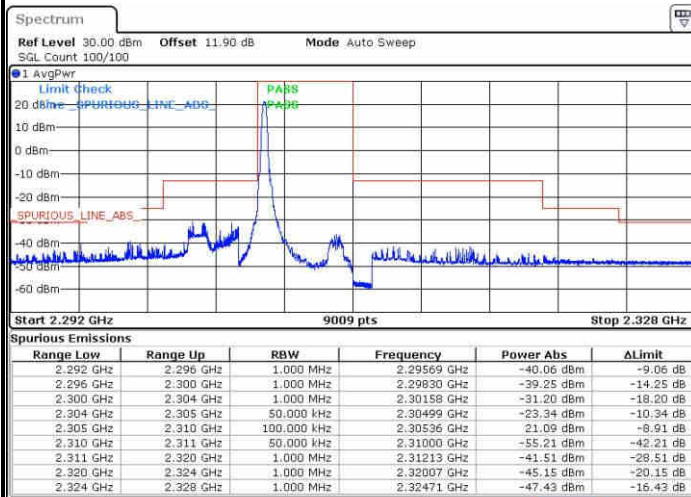
Date: 13 APR 2019 04:33:27



Conducted Band Edge

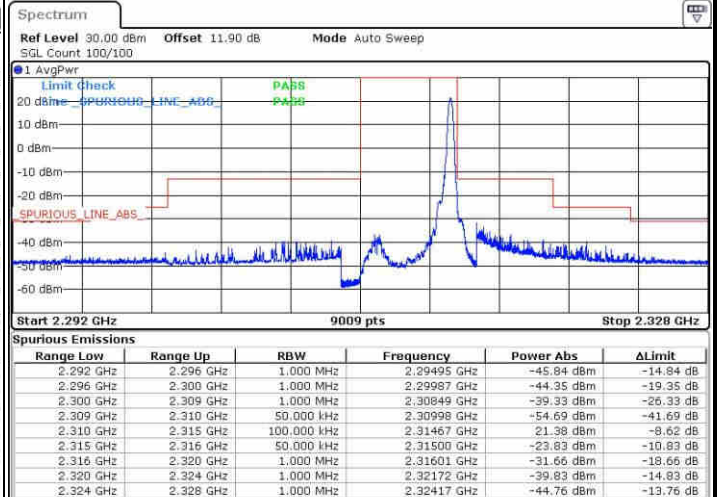
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / 1 RB



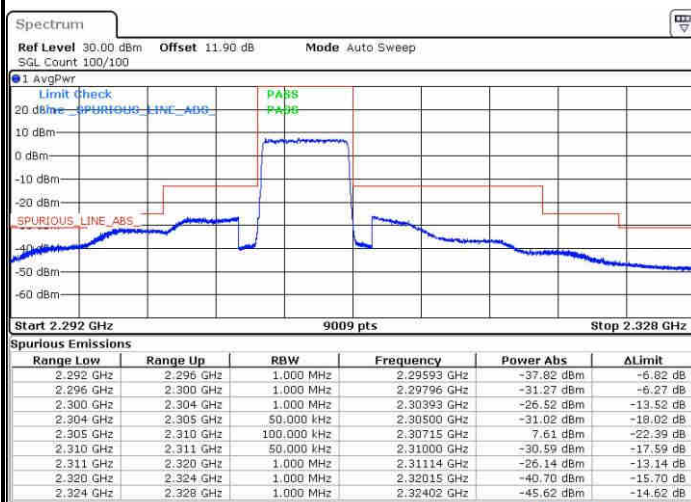
Date: 13 APR 2019 04:17:09

Highest Band Edge / 1 RB



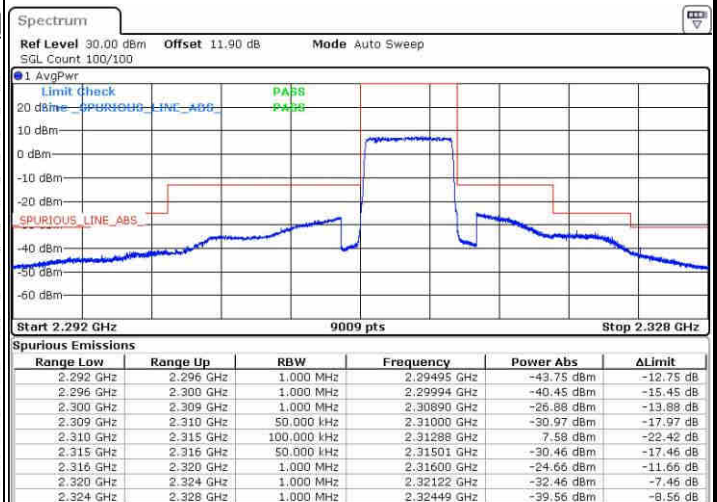
Date: 13 APR 2019 04:22:13

Lowest Band Edge / Full RB



Date: 13 APR 2019 04:18:53

Highest Band Edge / Full RB

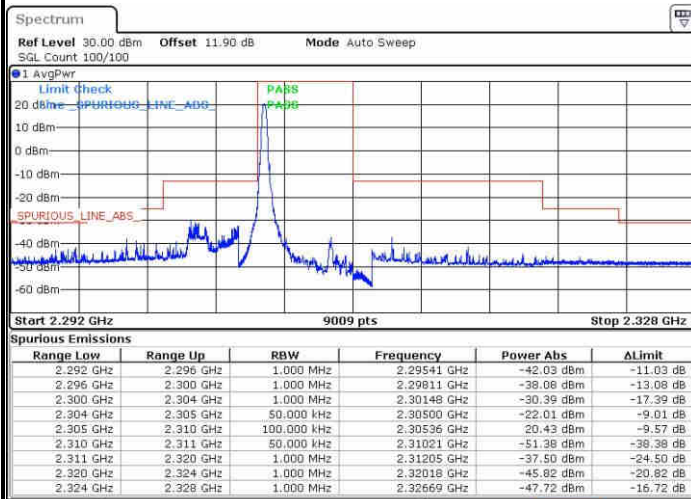


Date: 13 APR 2019 04:23:57



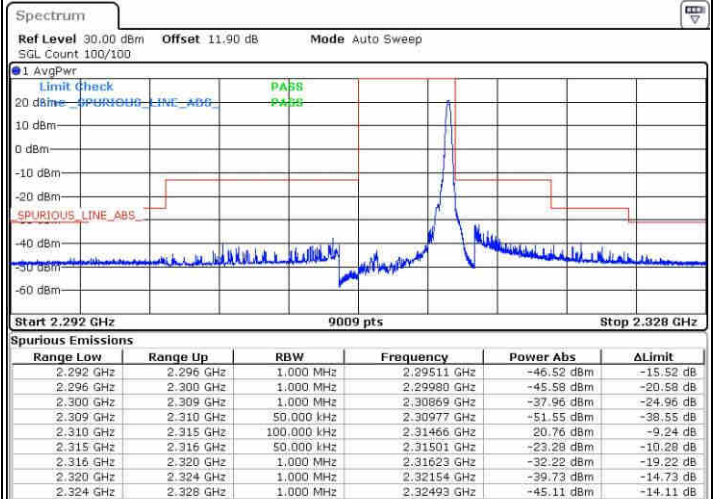
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1RB



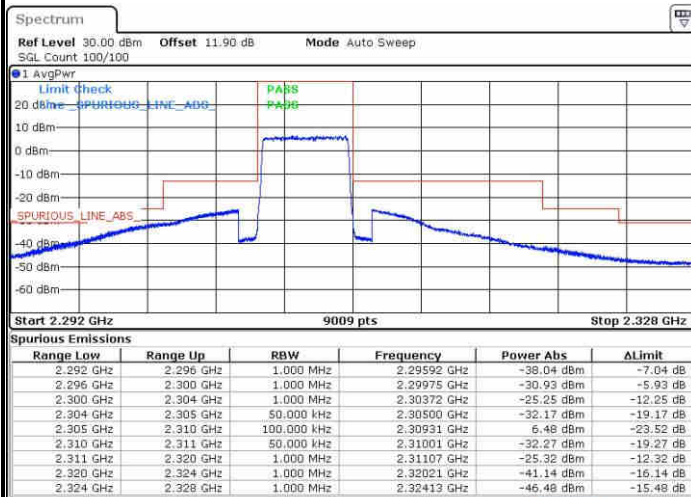
Date: 13 APR 2019 04:18:01

Highest Band Edge / 1 RB



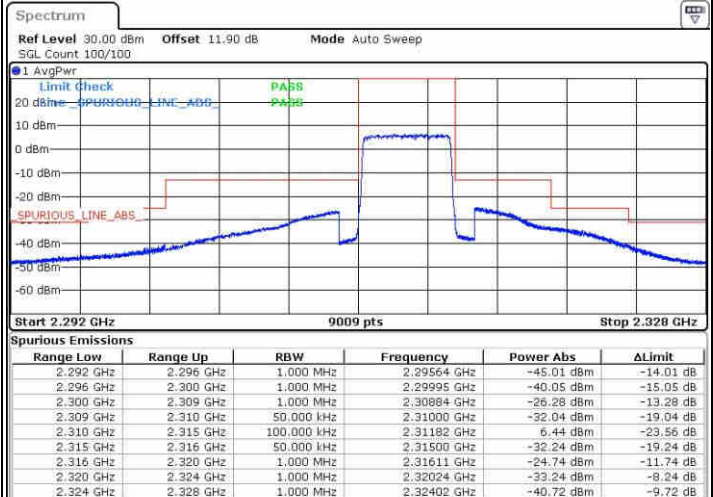
Date: 13 APR 2019 04:23:05

Lowest Band Edge / Full RB



Date: 13 APR 2019 04:19:45

Highest Band Edge / Full RB

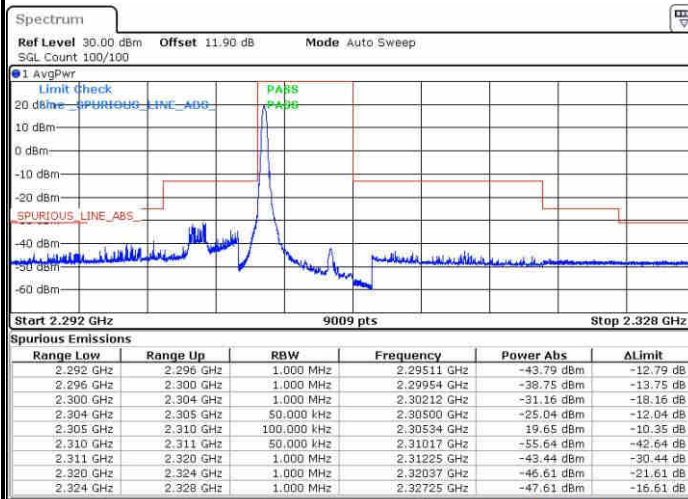


Date: 13 APR 2019 04:24:48



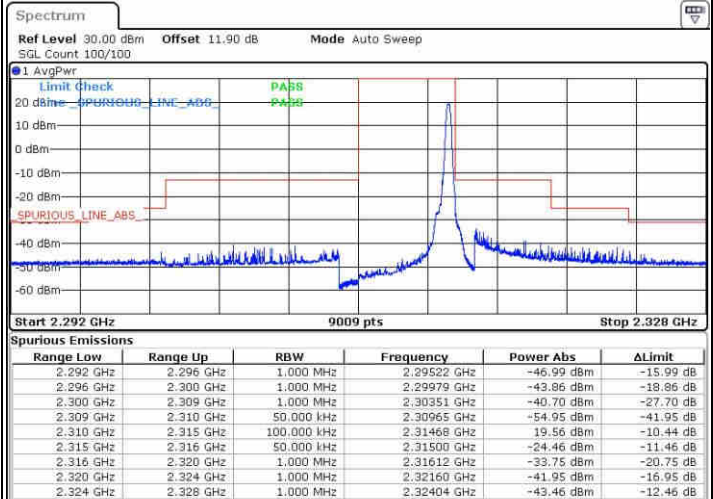
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1RB



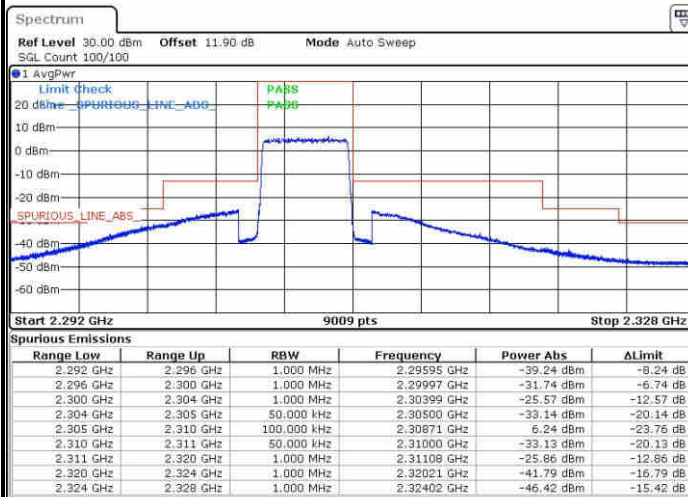
Date: 13 APR 2019 04:32:00

Highest Band Edge / 1 RB



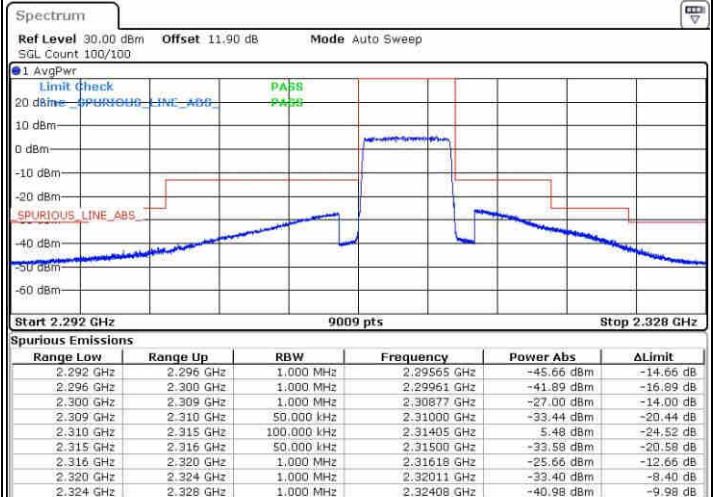
Date: 13 APR 2019 04:34:31

Lowest Band Edge / Full RB



Date: 13 APR 2019 04:32:51

Highest Band Edge / Full RB

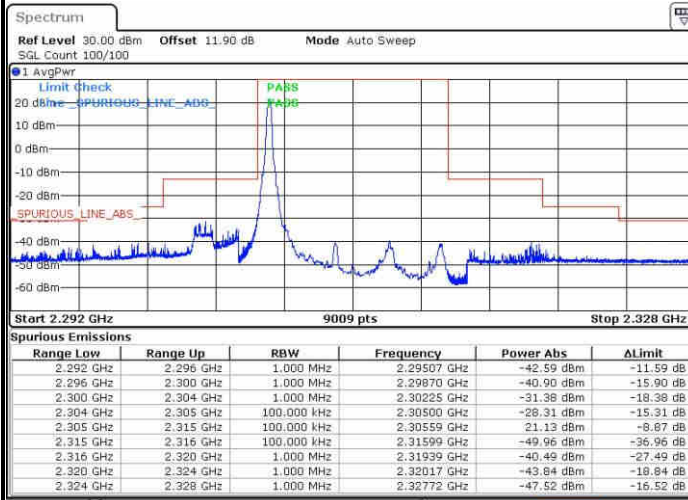


Date: 13 APR 2019 04:35:22



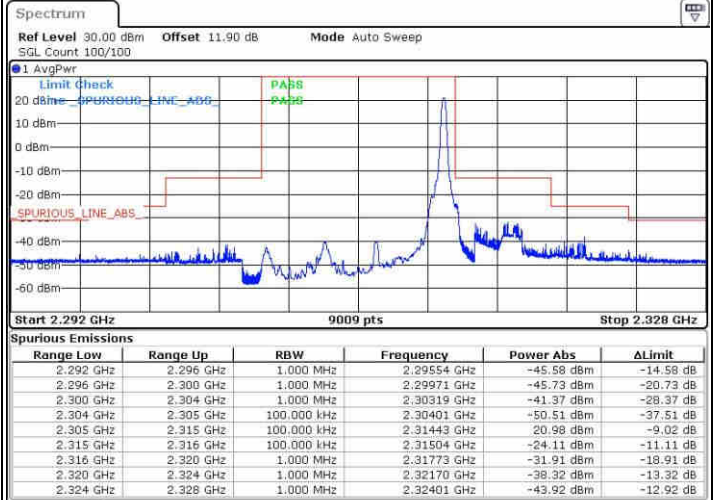
LTE Band 30 / 10MHz / QPSK

Lowest Band Edge / 1 RB



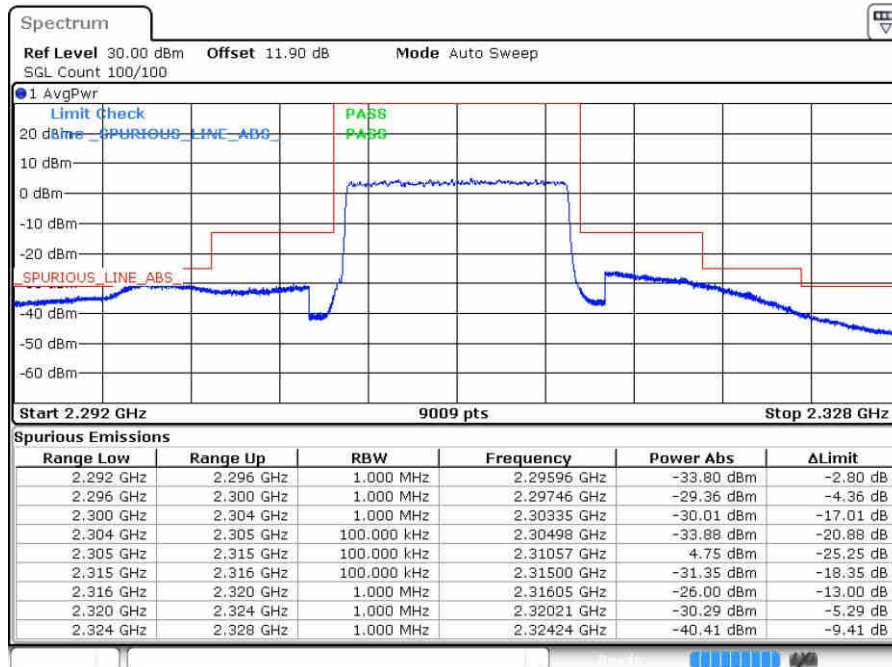
Date: 13 APR 2019 04:26:27

Highest Band Edge / 1 RB



Date: 13 APR 2019 04:28:09

Band Edge / Full RB

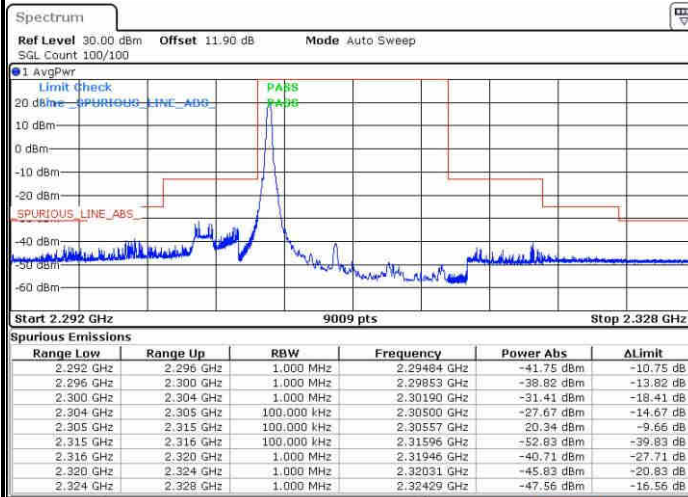


Date: 13 APR 2019 04:29:52



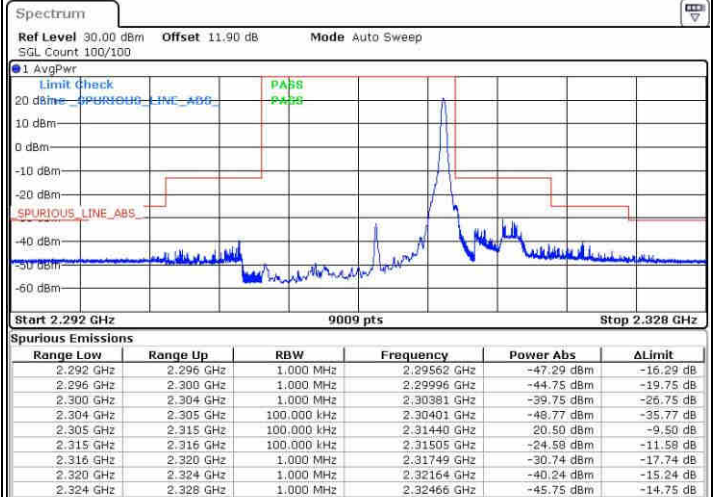
LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



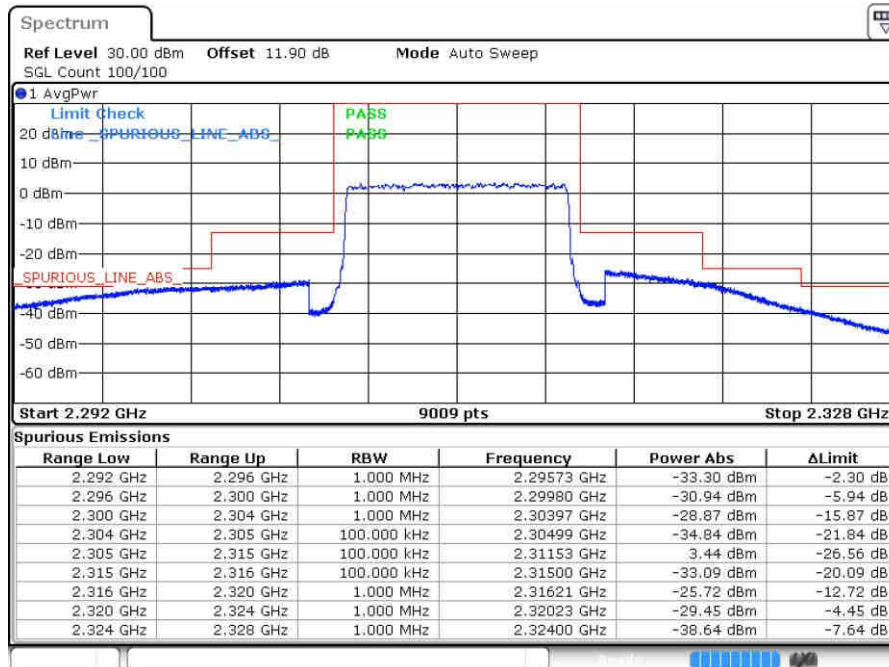
Date: 13 APR 2019 04:27:18

Highest Band Edge / 1 RB



Date: 13 APR 2019 04:29:01

Band Edge / Full RB

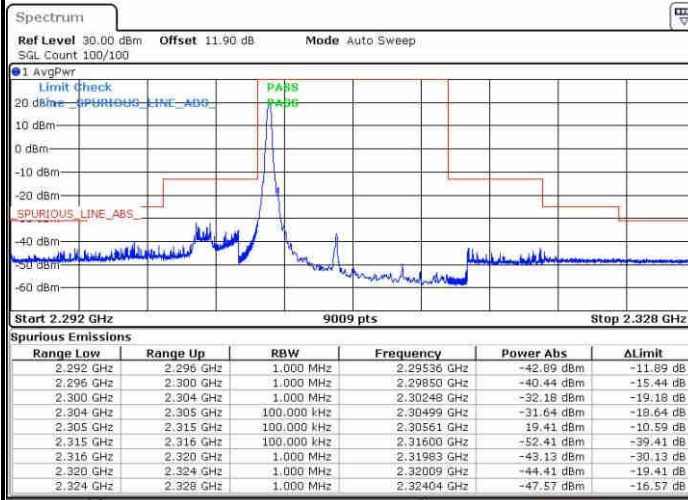


Date: 13 APR 2019 04:30:43



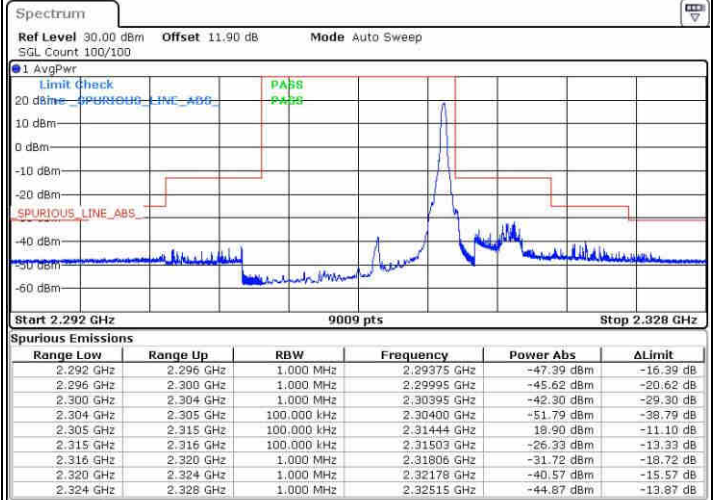
LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



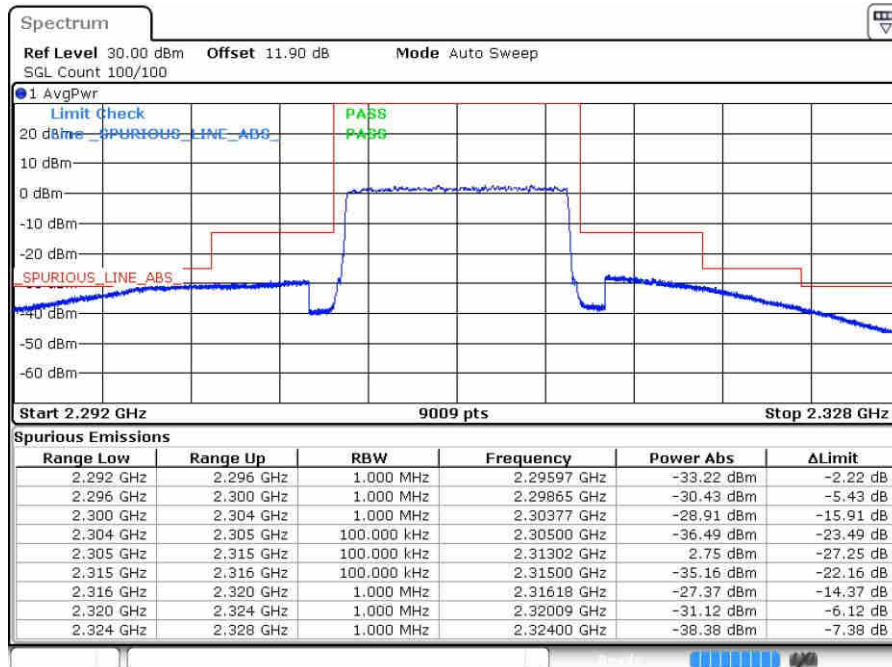
Date: 13 APR 2019 04:36:38

Highest Band Edge / 1 RB



Date: 13 APR 2019 04:37:29

Band Edge / Full RB



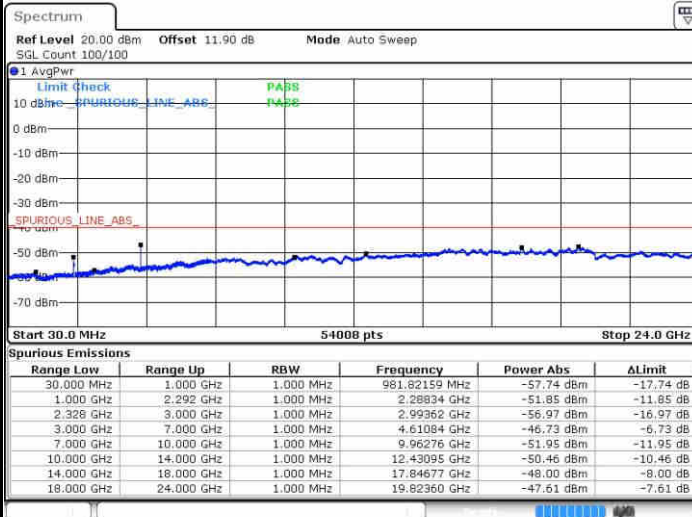
Date: 13 APR 2019 04:38:20



Conducted Spurious Emission

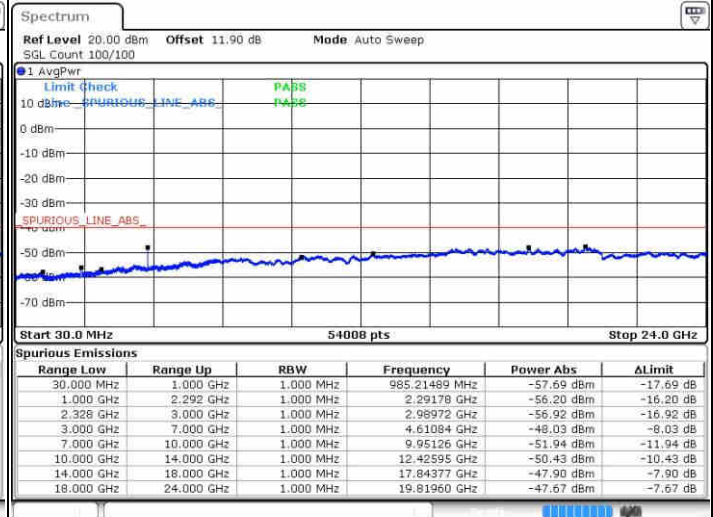
LTE Band 30 / 5MHz

Lowest Channel / QPSK



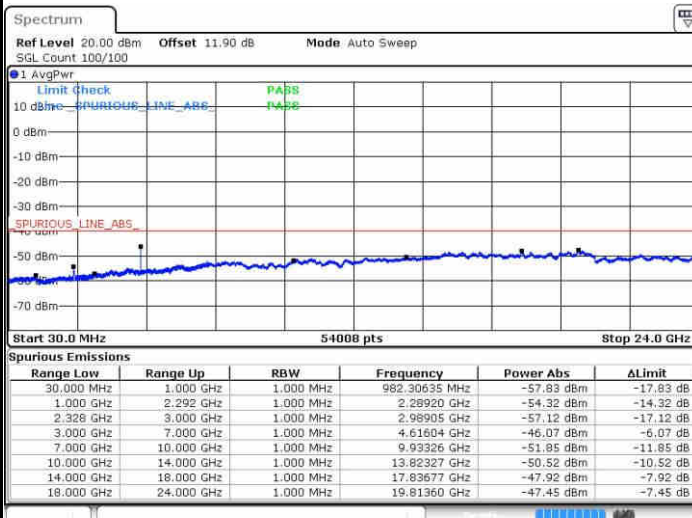
Date: 13 APR 2019 04:47:58

Lowest Channel / 16QAM



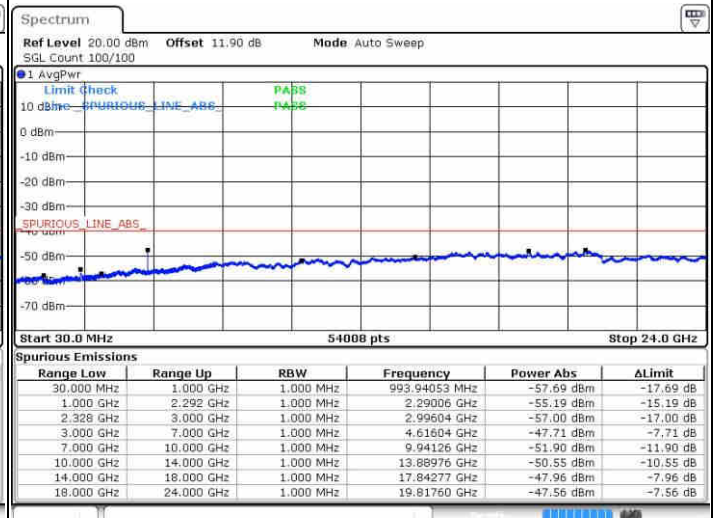
Date: 13 APR 2019 04:48:00

Middle Channel / QPSK



Date: 13 APR 2019 04:50:01

Middle Channel / 16QAM



Date: 13 APR 2019 04:51:02