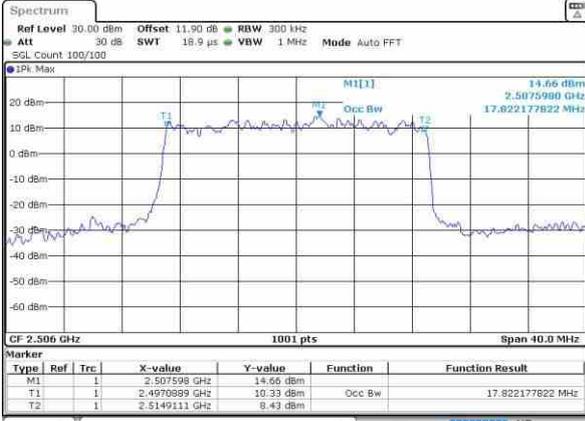




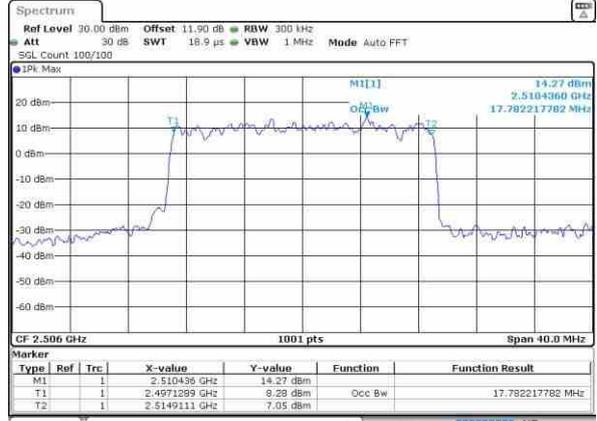
LTE Band 41

Lowest Channel / 20MHz / QPSK



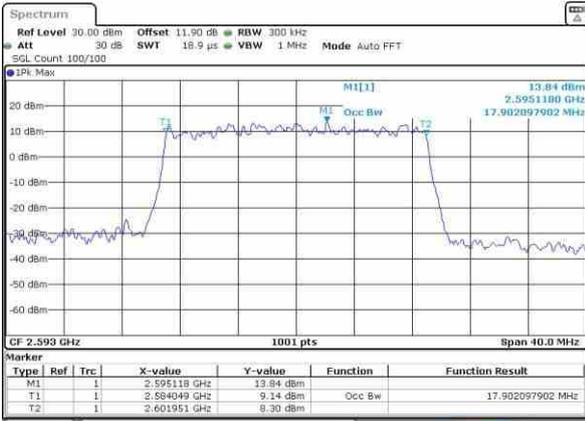
Date: 23 MAY 2019 03:29:26

Lowest Channel / 20MHz / 16QAM



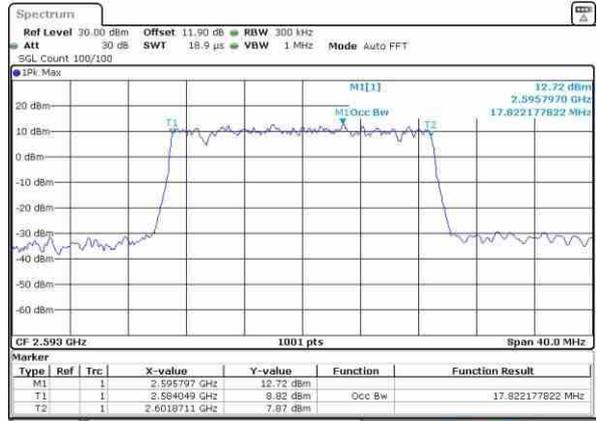
Date: 23 MAY 2019 03:29:39

Middle Channel / 20MHz / QPSK



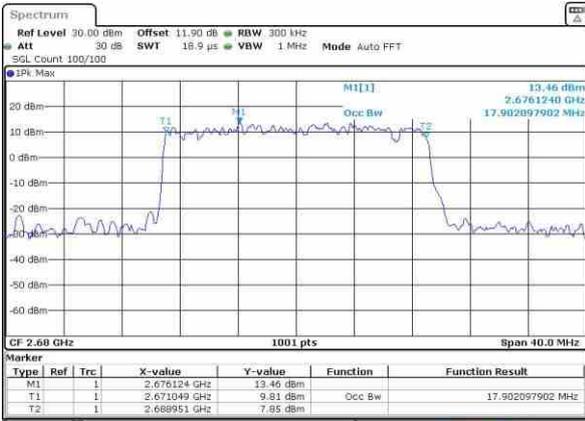
Date: 23 MAY 2019 03:30:15

Middle Channel / 20MHz / 16QAM



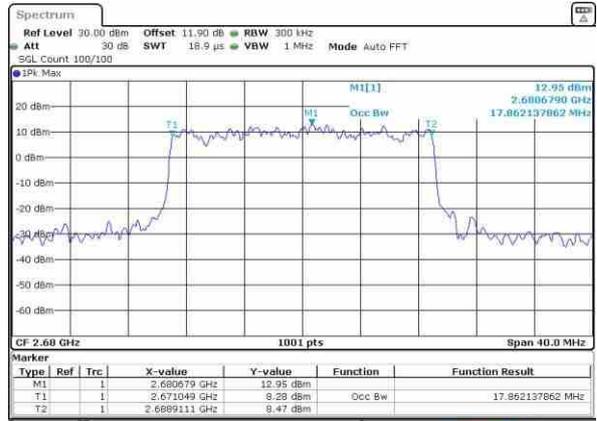
Date: 23 MAY 2019 03:30:27

Highest Channel / 20MHz / QPSK



Date: 23 MAY 2019 03:31:03

Highest Channel / 20MHz / 16QAM

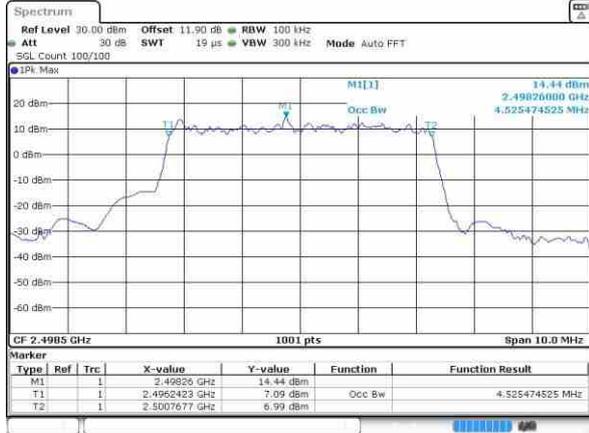


Date: 23 MAY 2019 03:31:15

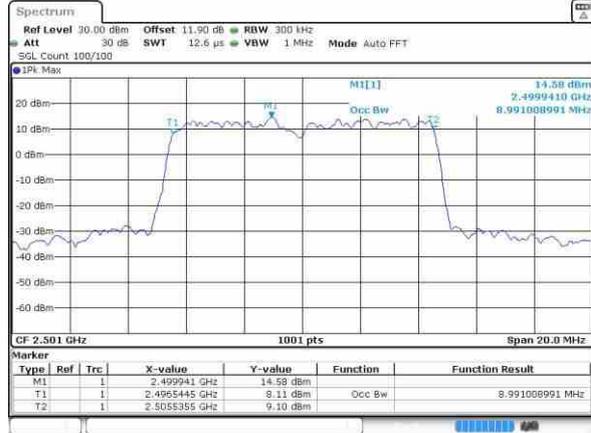


LTE Band 41

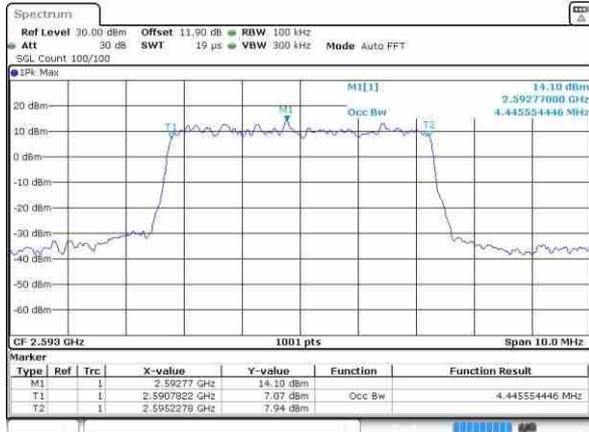
Lowest Channel / 5MHz / 64QAM



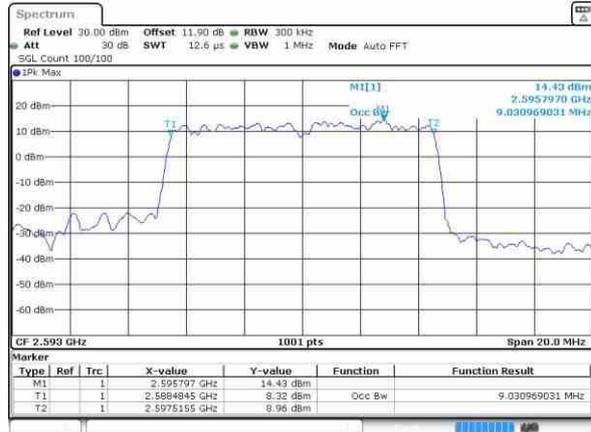
Lowest Channel / 10MHz / 64QAM



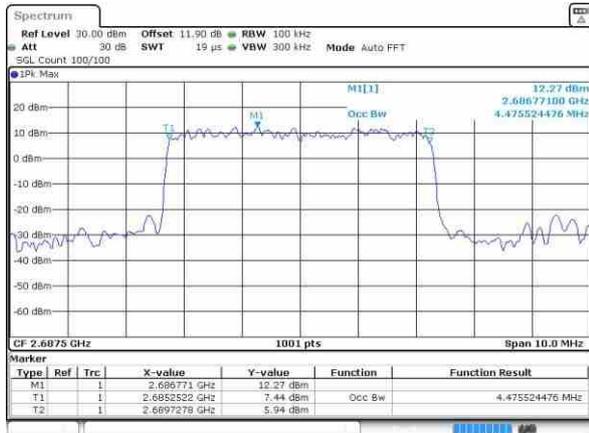
Middle Channel / 5MHz / 64QAM



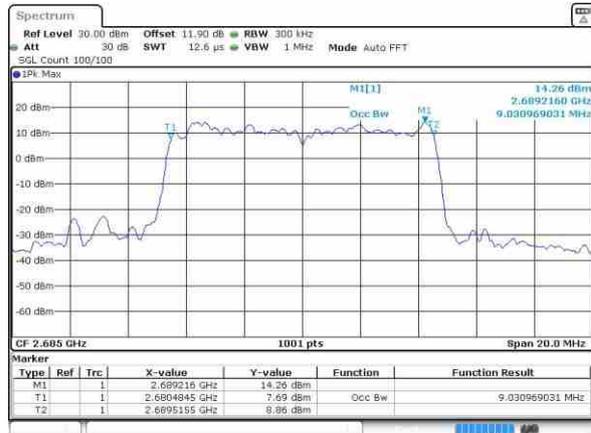
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



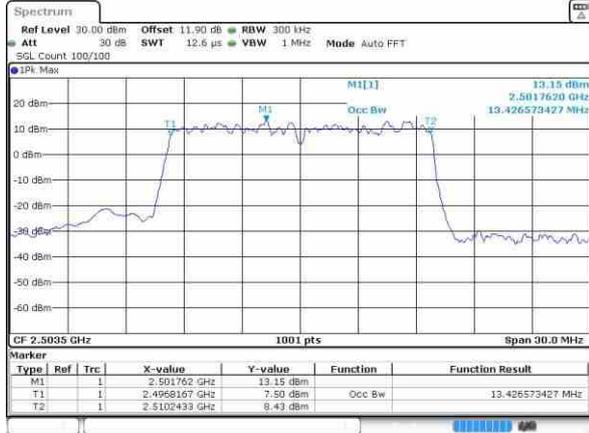
Highest Channel / 10MHz / 64QAM





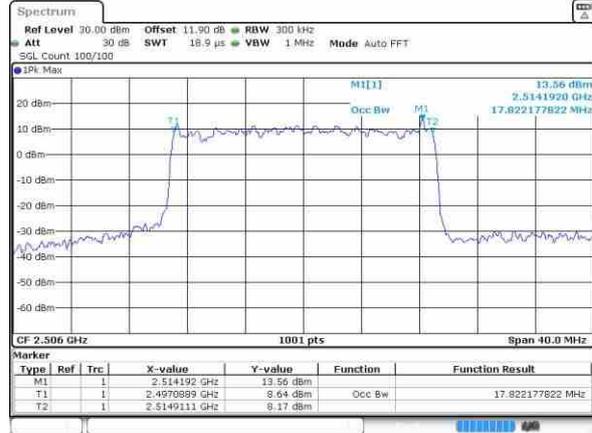
LTE Band 41

Lowest Channel / 15MHz / 64QAM



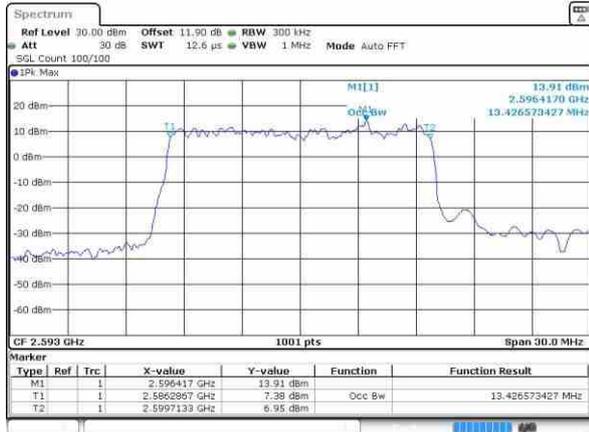
Date: 23 MAY 2019 03:34:22

Lowest Channel / 20MHz / 64QAM



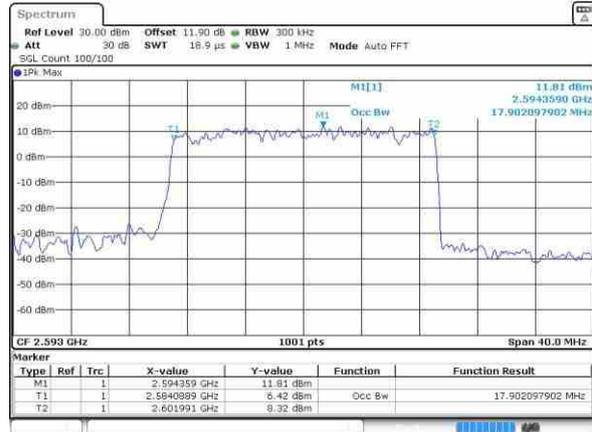
Date: 23 MAY 2019 03:35:36

Middle Channel / 15MHz / 64QAM



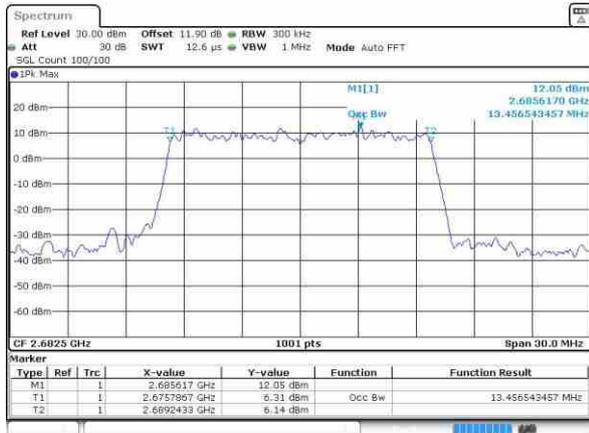
Date: 23 MAY 2019 03:34:46

Middle Channel / 20MHz / 64QAM



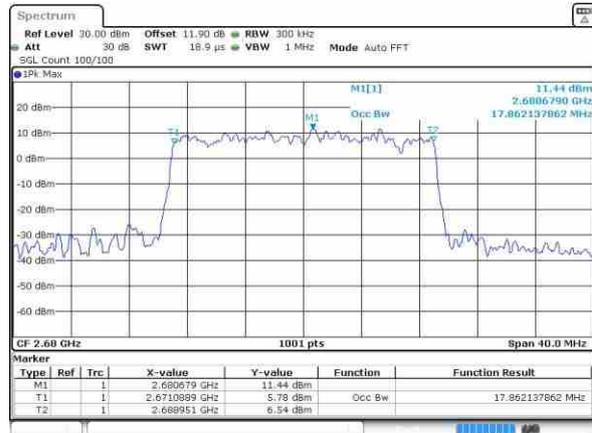
Date: 23 MAY 2019 03:36:00

Highest Channel / 15MHz / 64QAM



Date: 23 MAY 2019 03:35:10

Highest Channel / 20MHz / 64QAM



Date: 23 MAY 2019 03:36:24

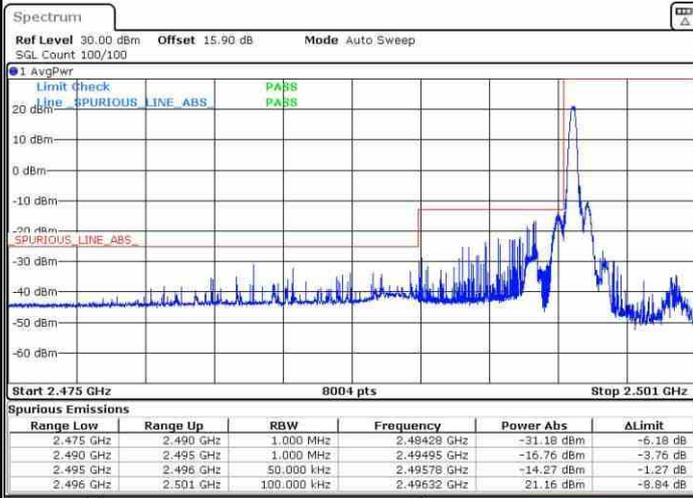


Conducted Band Edge



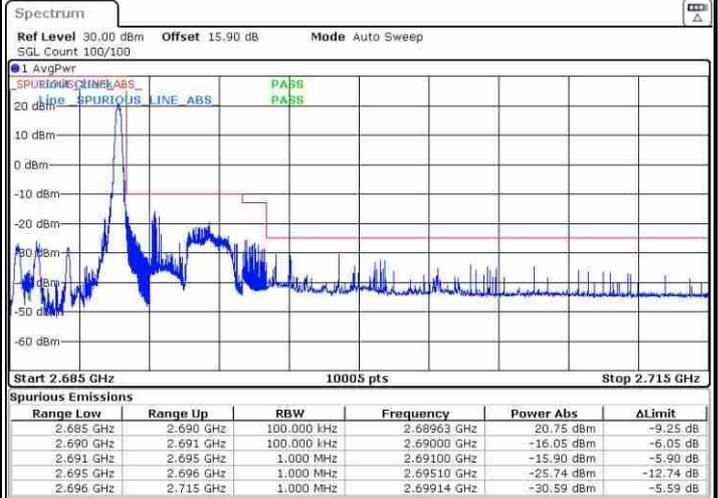
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



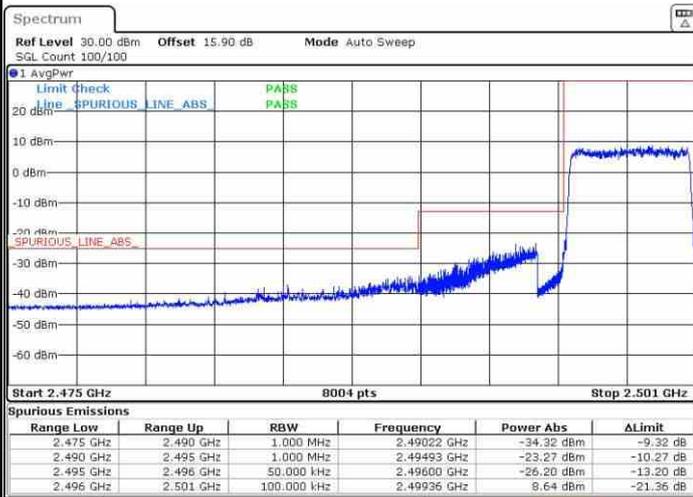
Date: 23 MAY 2019 04:04:37

Highest Band Edge / 1 RB



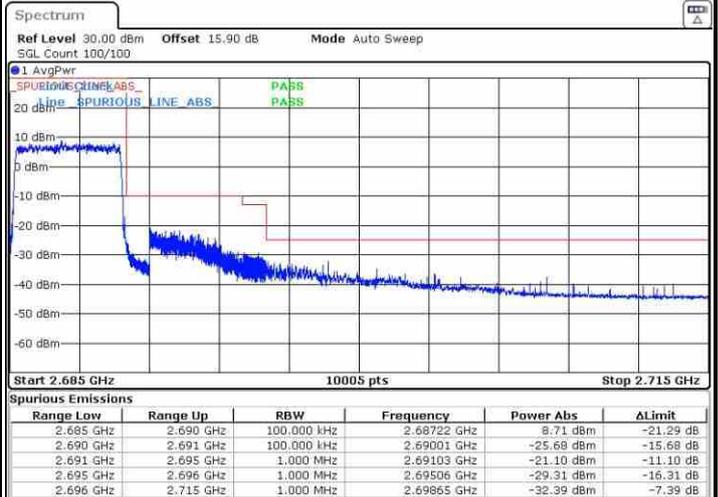
Date: 23 MAY 2019 02:14:46

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:13:43

Highest Band Edge / Full RB

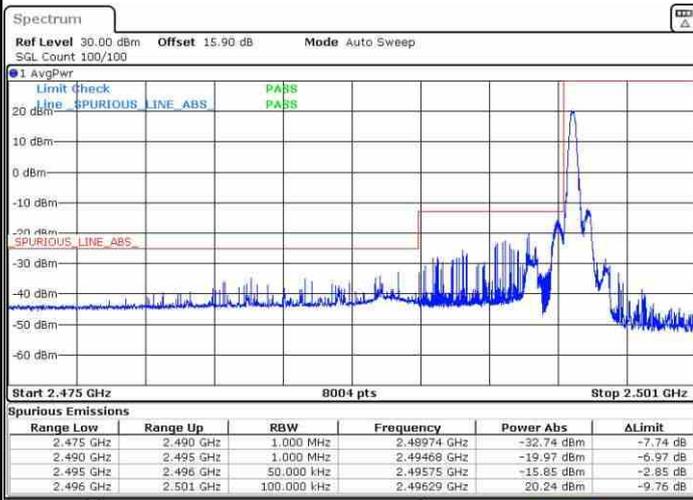


Date: 23 MAY 2019 02:15:49



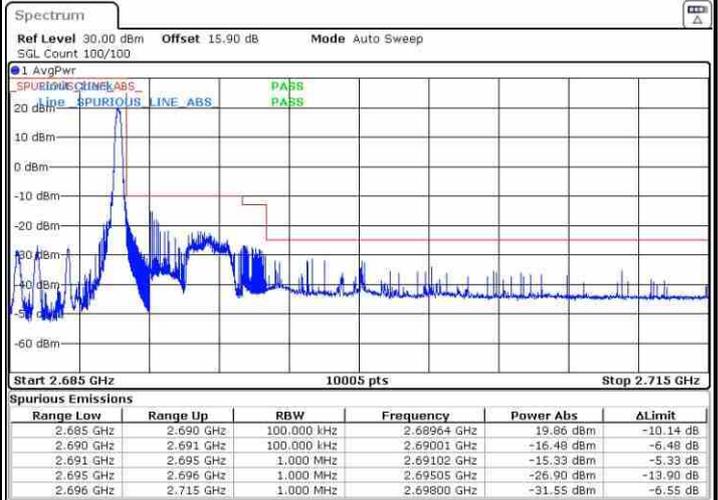
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



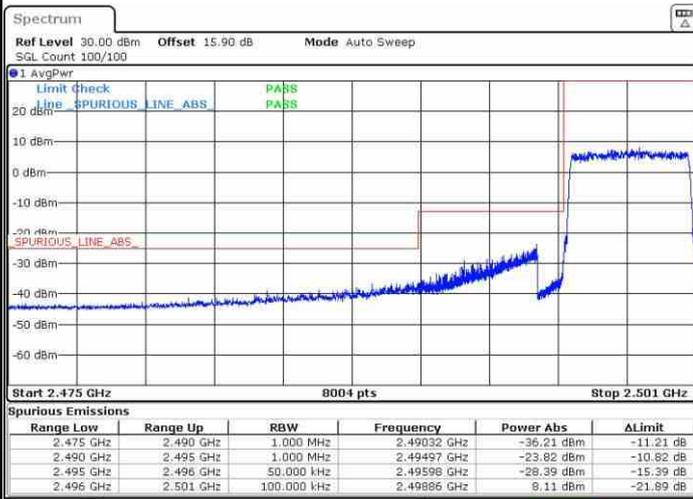
Date: 23 MAY 2019 04:05:09

Highest Band Edge / 1 RB



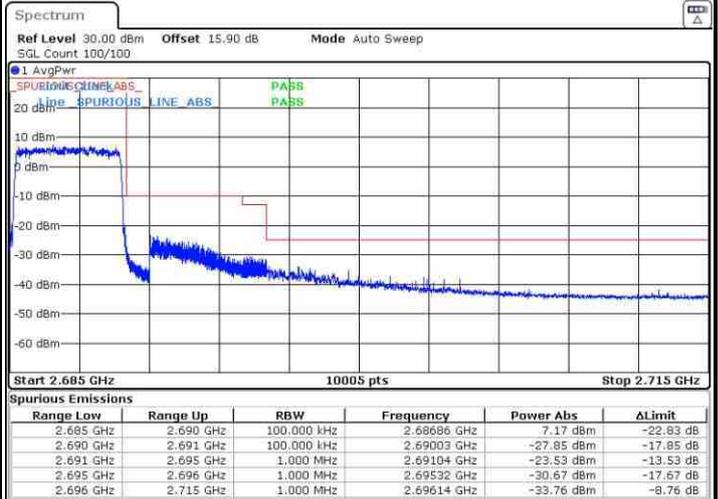
Date: 23 MAY 2019 02:15:17

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:14:15

Highest Band Edge / Full RB

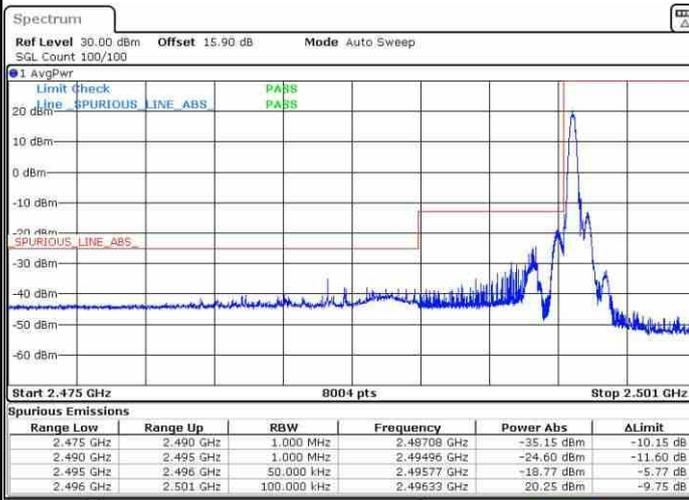


Date: 23 MAY 2019 02:16:20



LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



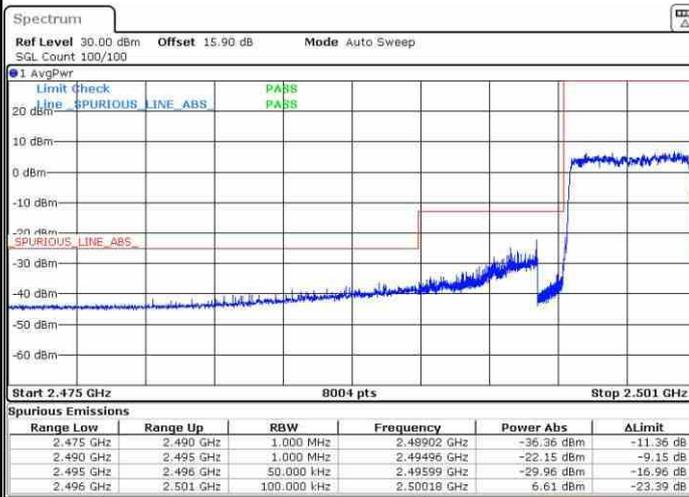
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Highest Band Edge / 1 RB



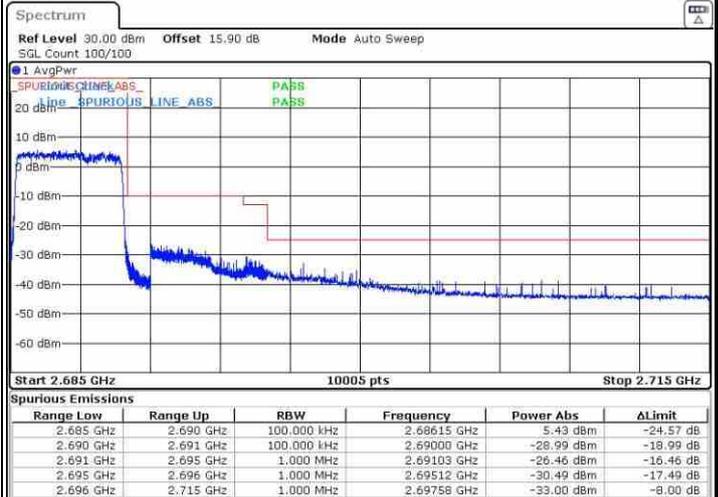
Date: 23 MAY 2019 02:30:38

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:30:06

Highest Band Edge / Full RB

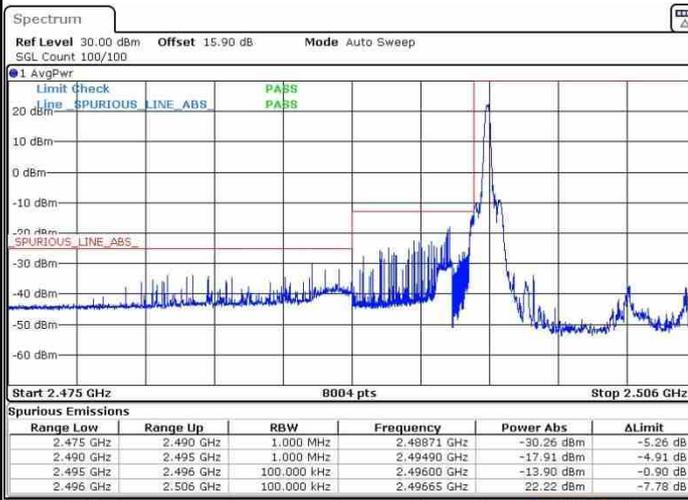


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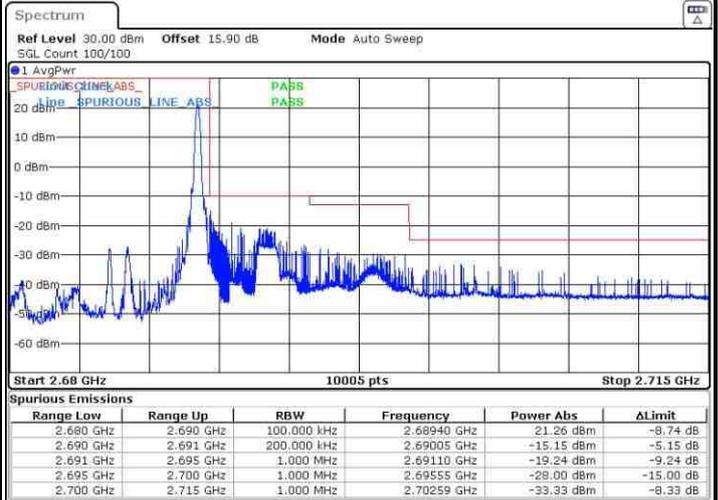
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



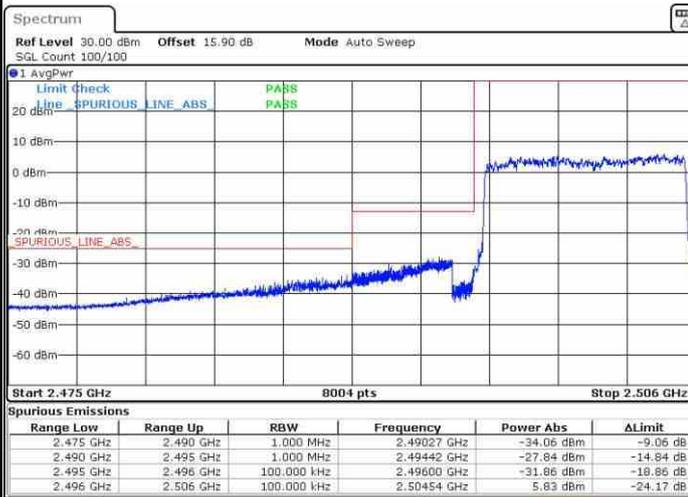
Date: 23 MAY 2019 04:07:27

Highest Band Edge / 1 RB



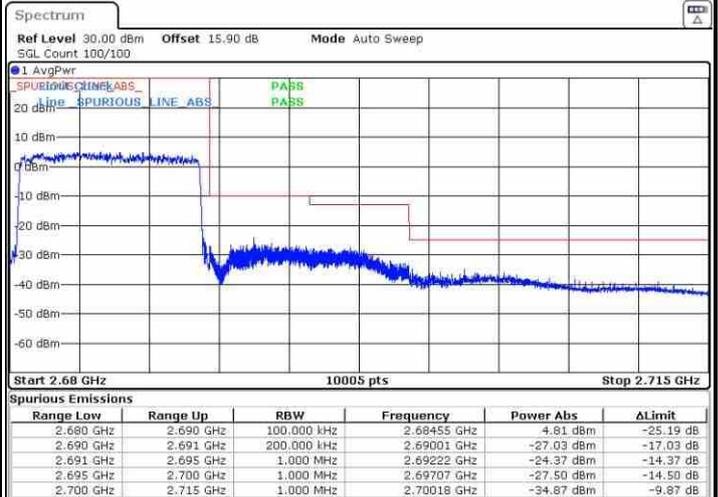
Date: 23 MAY 2019 02:19:00

Lowest Band Edge / Full RB



Date: 23 MAY 2019 03:12:33

Highest Band Edge / Full RB

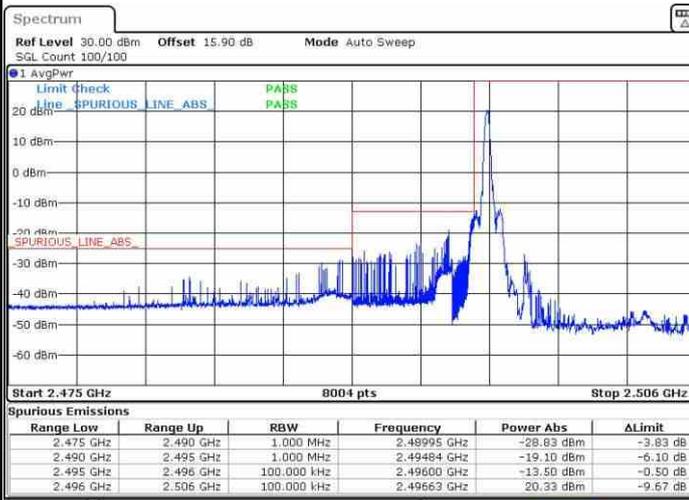


Date: 23 MAY 2019 02:20:03



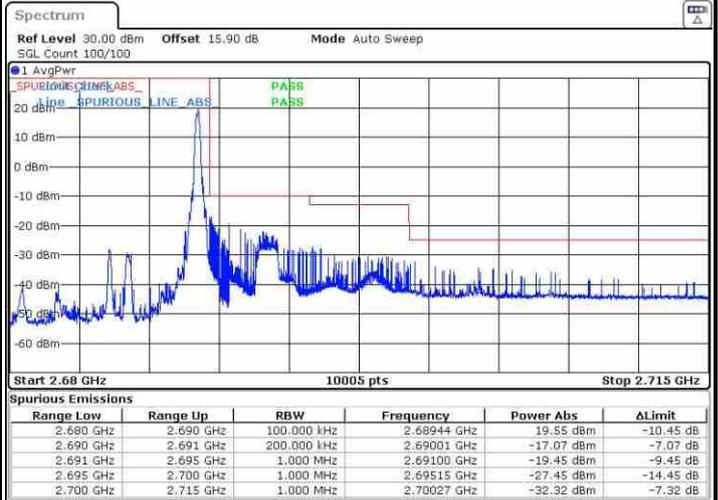
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



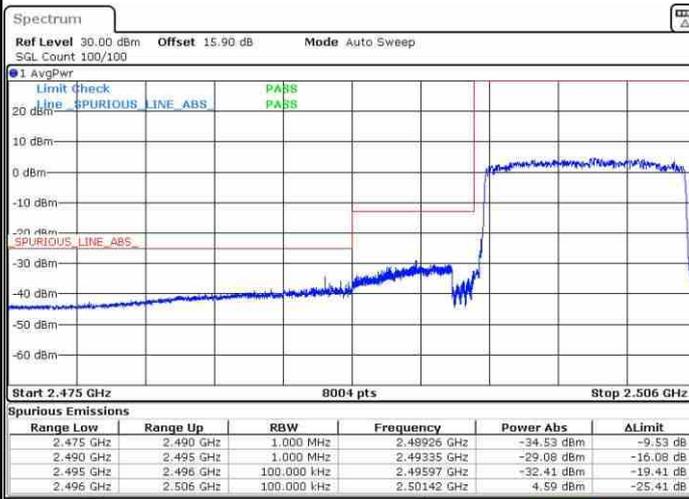
Date: 23 MAY 2019 04:08:35

Highest Band Edge / 1 RB



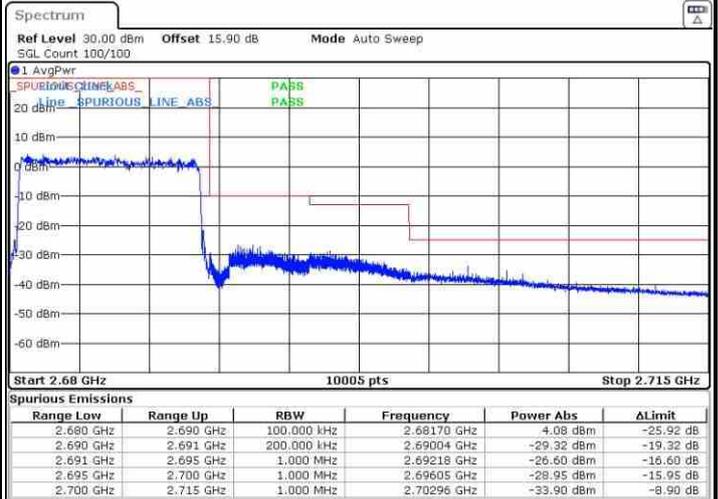
Date: 23 MAY 2019 02:19:31

Lowest Band Edge / Full RB



Date: 23 MAY 2019 03:13:08

Highest Band Edge / Full RB

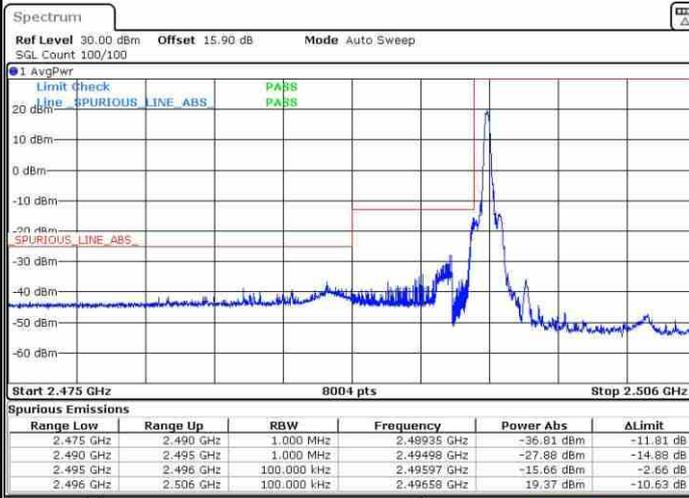


Date: 23 MAY 2019 02:20:34



LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



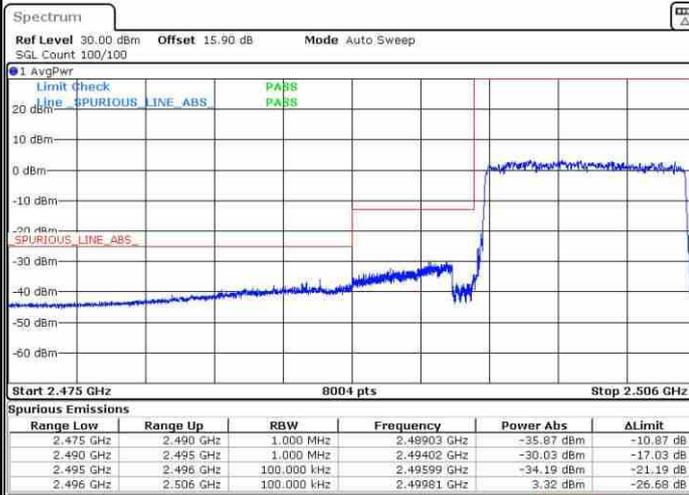
Date: 23 MAY 2019 04:09:10

Highest Band Edge / 1 RB



Date: 23 MAY 2019 02:32:45

Lowest Band Edge / Full RB



Date: 23 MAY 2019 03:12:07

Highest Band Edge / Full RB

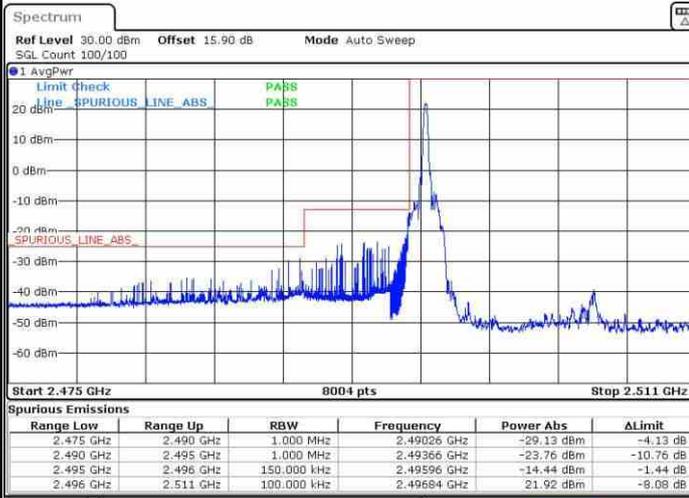


Date: 23 MAY 2019 03:13:52



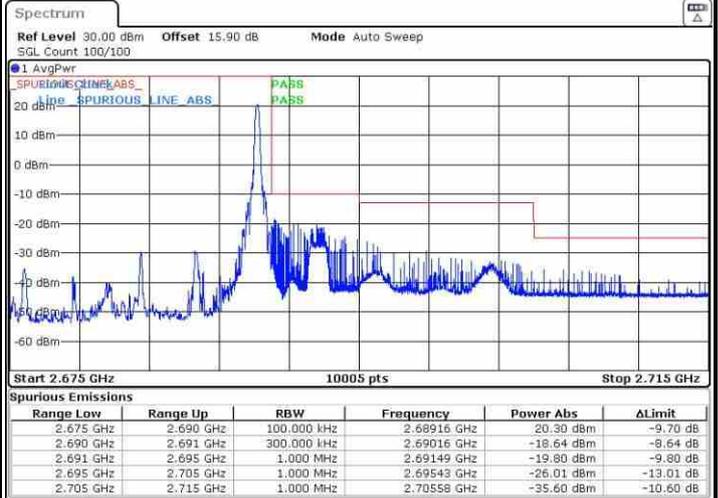
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



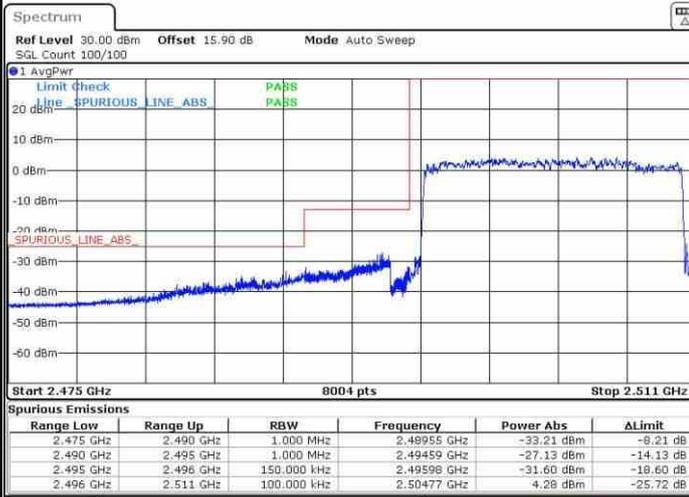
Date: 23 MAY 2019 03:15:41

Highest Band Edge / 1 RB



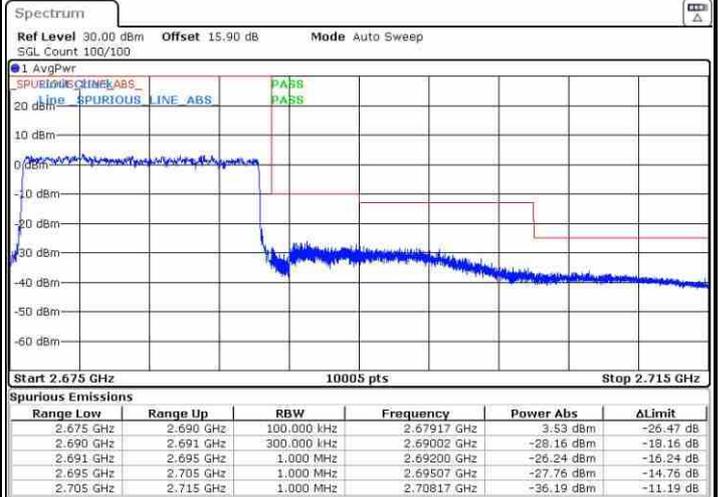
Date: 23 MAY 2019 02:23:14

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:22:11

Highest Band Edge / Full RB

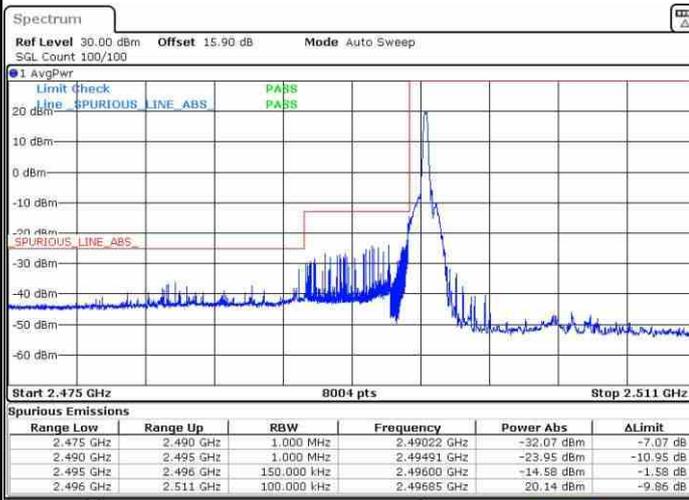


Date: 23 MAY 2019 02:24:16



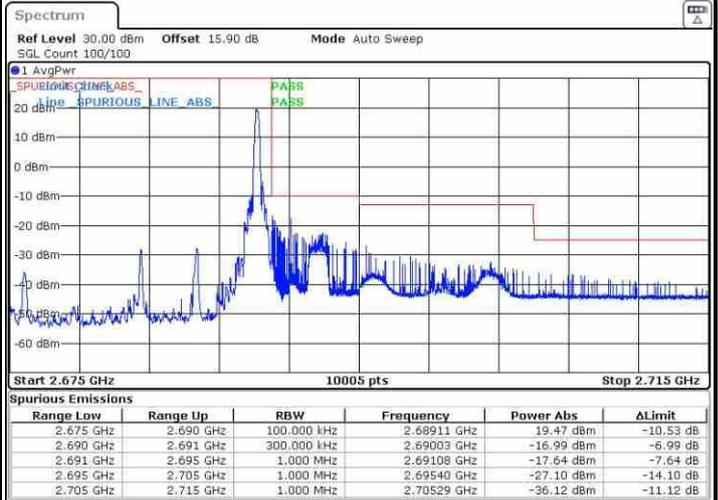
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



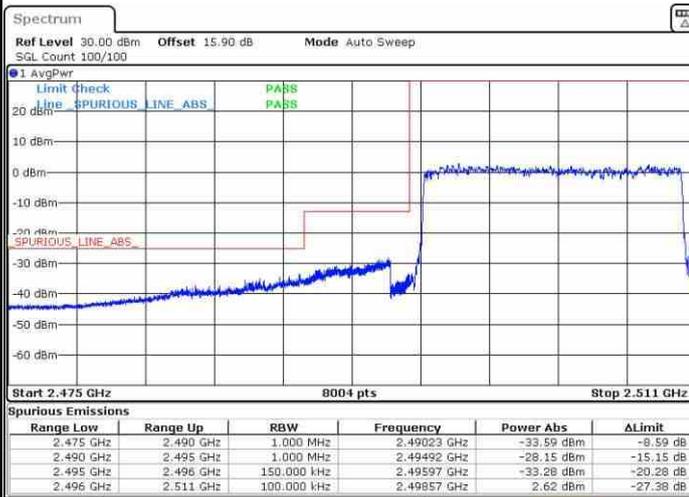
Date: 23 MAY 2019 03:16:03

Highest Band Edge / 1 RB



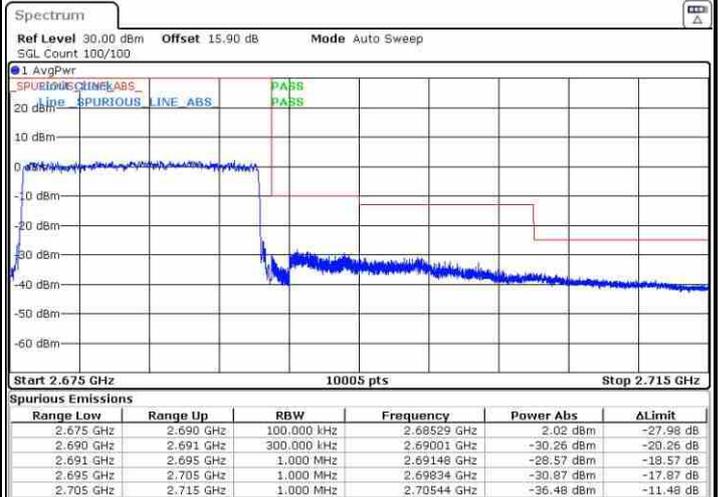
Date: 23 MAY 2019 02:23:45

Lowest Band Edge / Full RB



Date: 23 MAY 2019 03:16:35

Highest Band Edge / Full RB

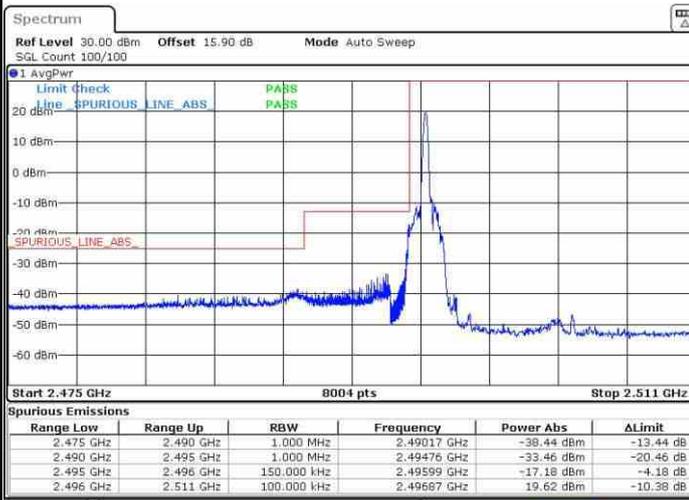


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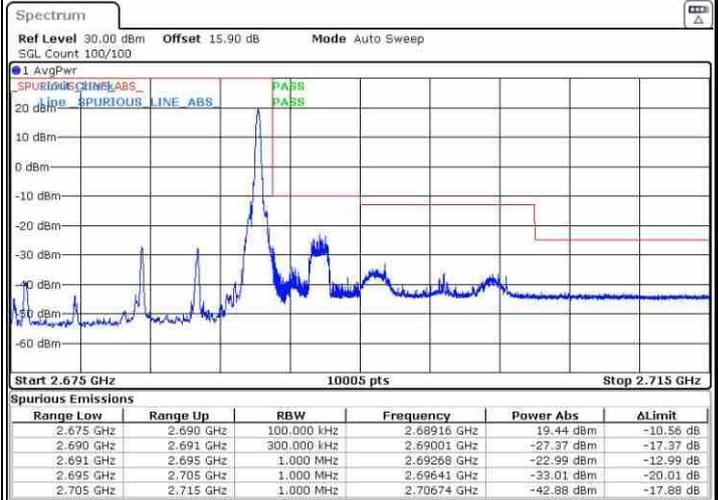
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



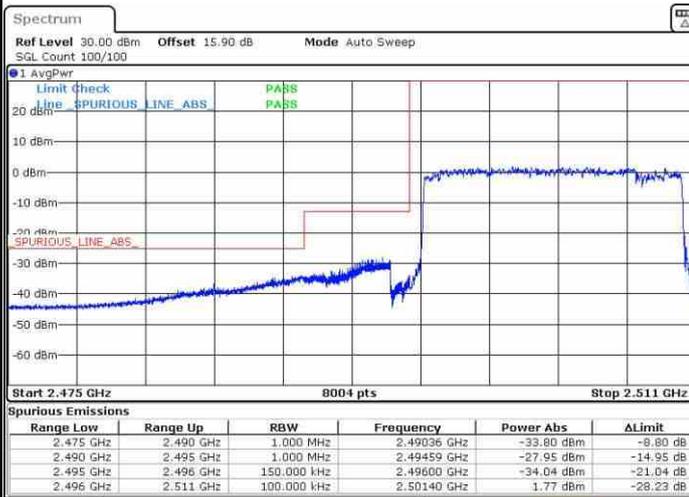
Date: 23 MAY 2019 02:33:50

Highest Band Edge / 1 RB



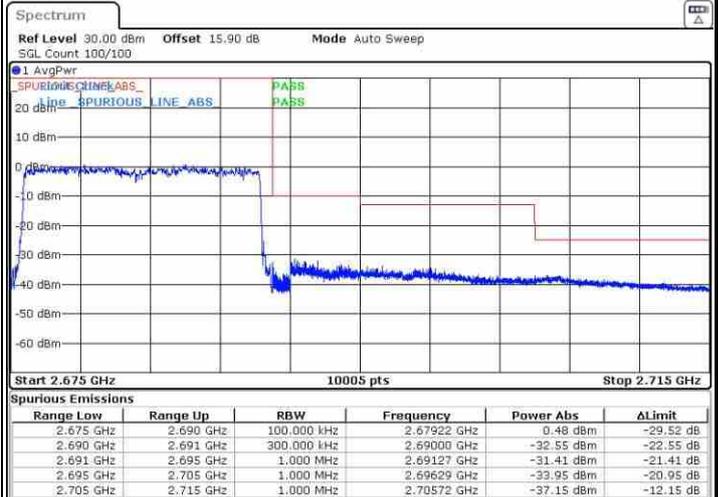
Date: 23 MAY 2019 02:34:53

Lowest Band Edge / Full RB



Date: 23 MAY 2019 03:17:30

Highest Band Edge / Full RB

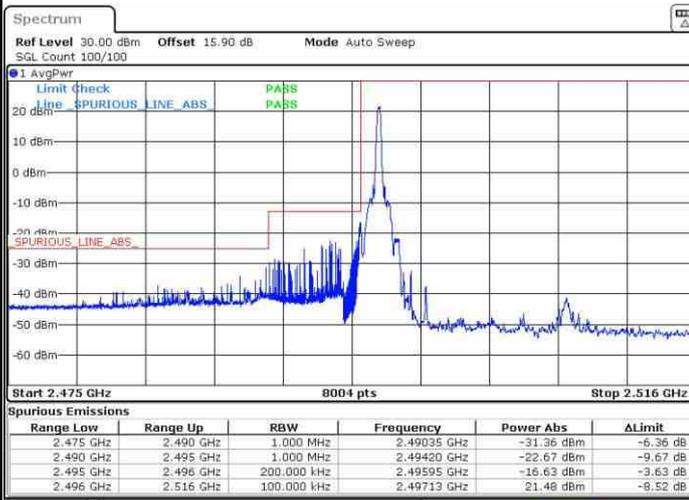


Date: 23 MAY 2019 02:35:24



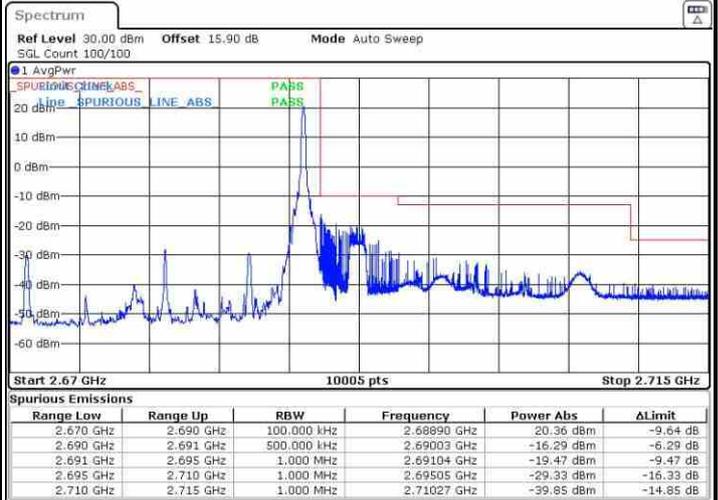
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



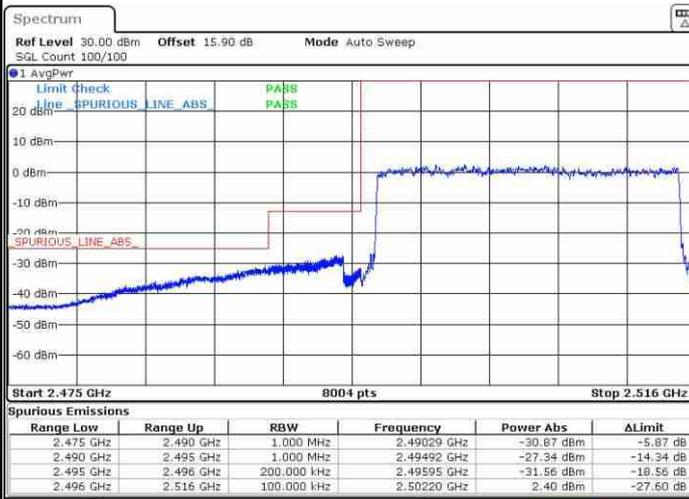
Date: 23 MAY 2019 02:25:21

Highest Band Edge / 1 RB



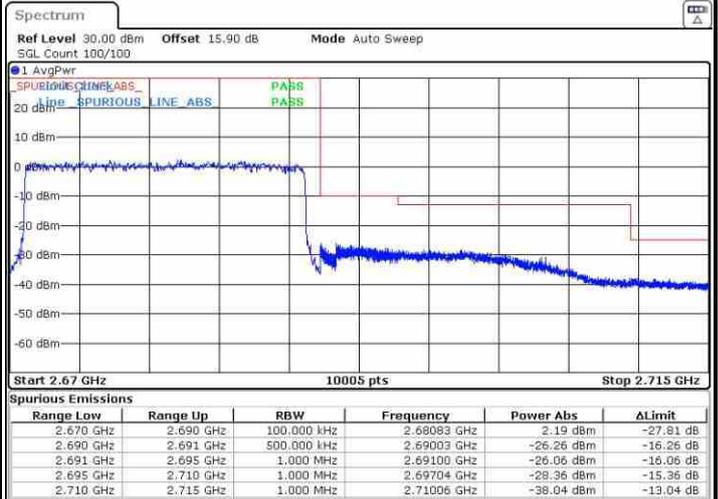
Date: 23 MAY 2019 02:27:27

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:26:25

Highest Band Edge / Full RB

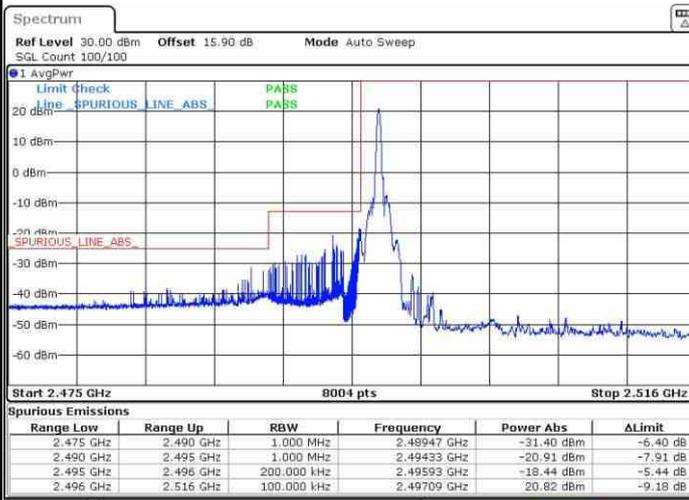


Date: 23 MAY 2019 02:28:01



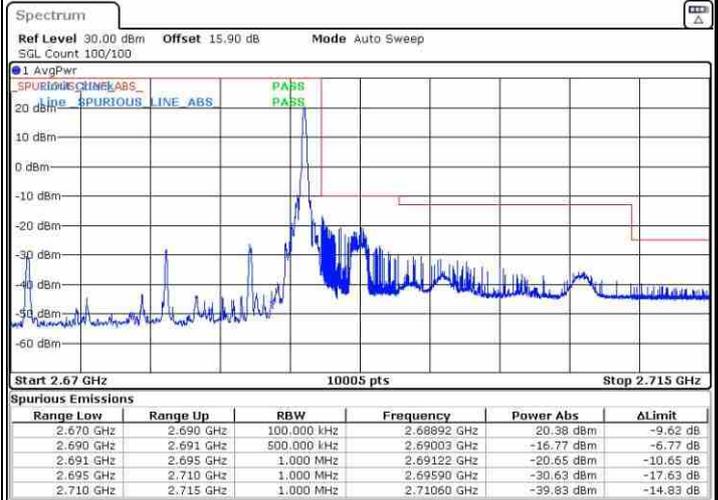
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



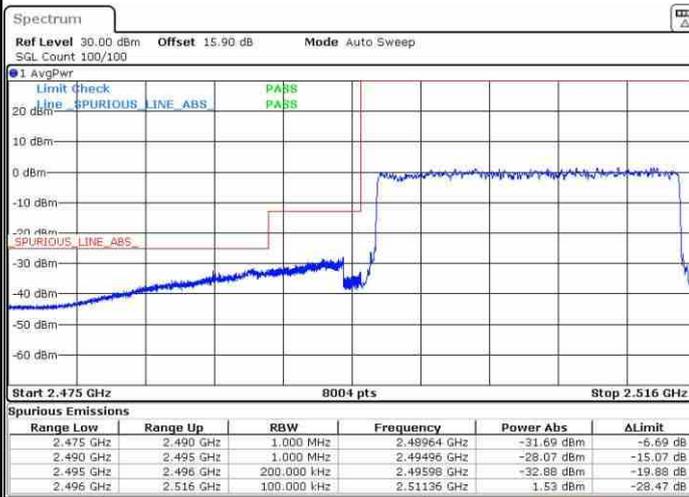
Date: 23 MAY 2019 02:25:53

Highest Band Edge / 1 RB



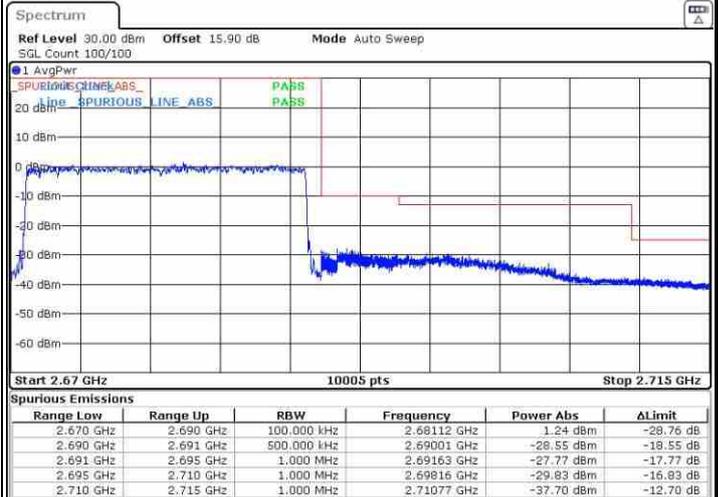
Date: 23 MAY 2019 03:19:38

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:26:56

Highest Band Edge / Full RB

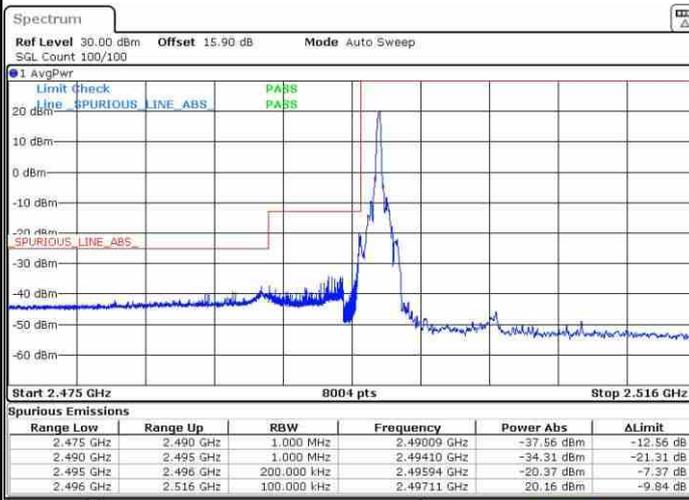


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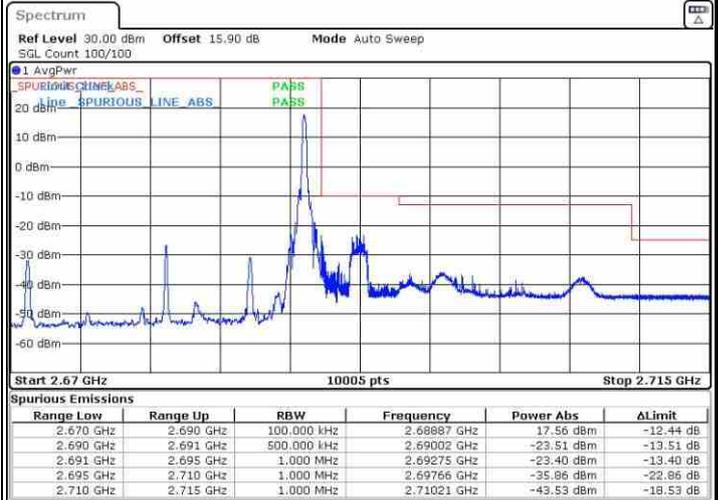
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



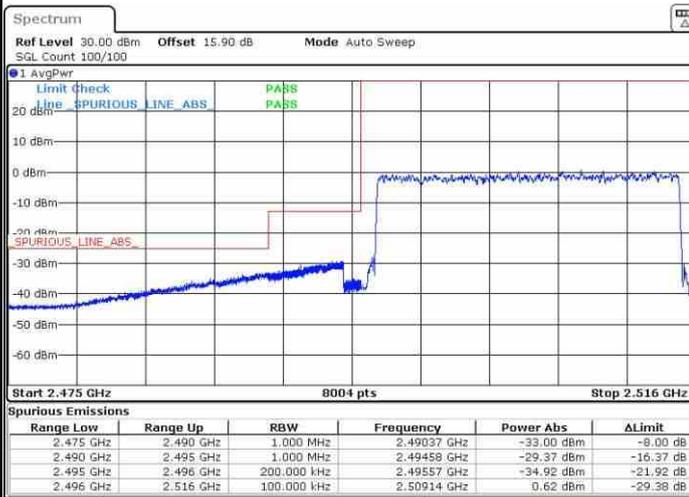
Date: 23 MAY 2019 02:35:57

Highest Band Edge / 1 RB



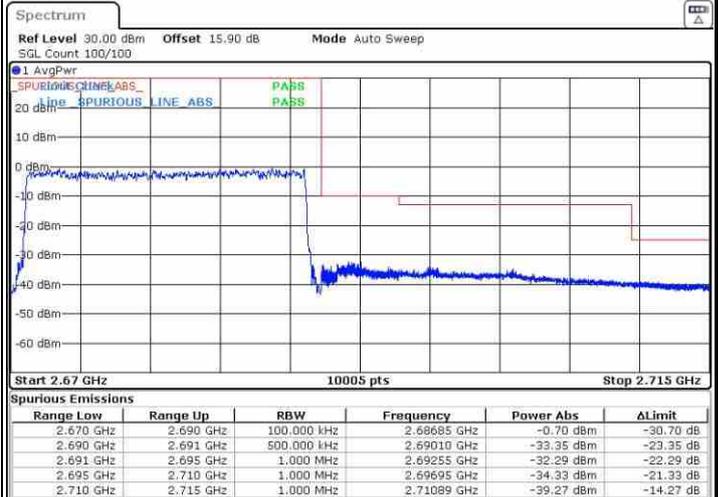
Date: 23 MAY 2019 03:18:43

Lowest Band Edge / Full RB



Date: 23 MAY 2019 02:36:29

Highest Band Edge / Full RB



Date: 23 MAY 2019 02:37:32



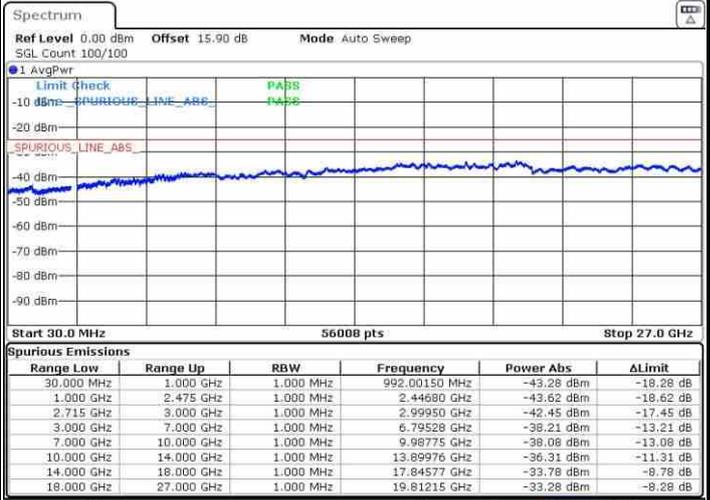
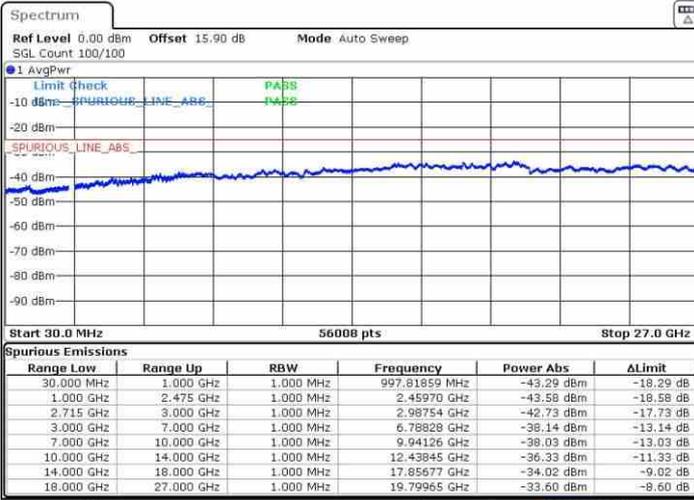
Conducted Spurious Emission



LTE Band 41 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

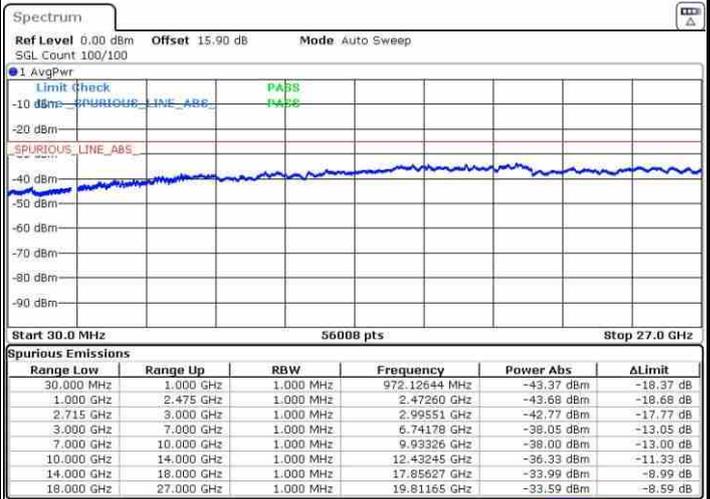
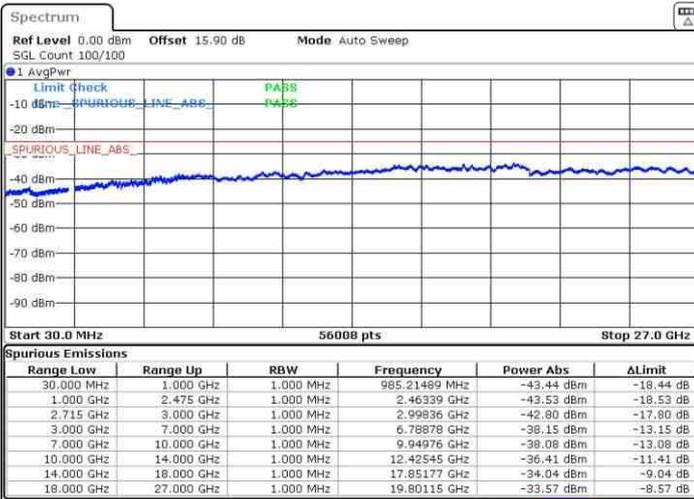


Date: 23 MAY.2019 02:47:30

Date: 23 MAY.2019 02:48:16

Middle Channel / QPSK

Middle Channel / 16QAM



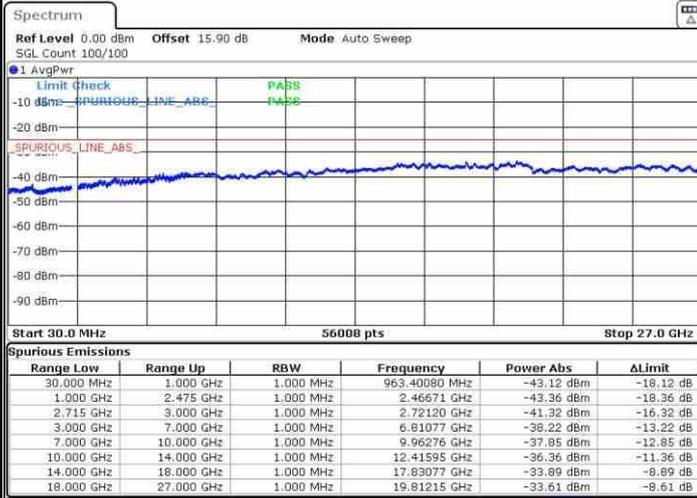
Date: 23 MAY.2019 02:49:01

Date: 23 MAY.2019 02:49:47



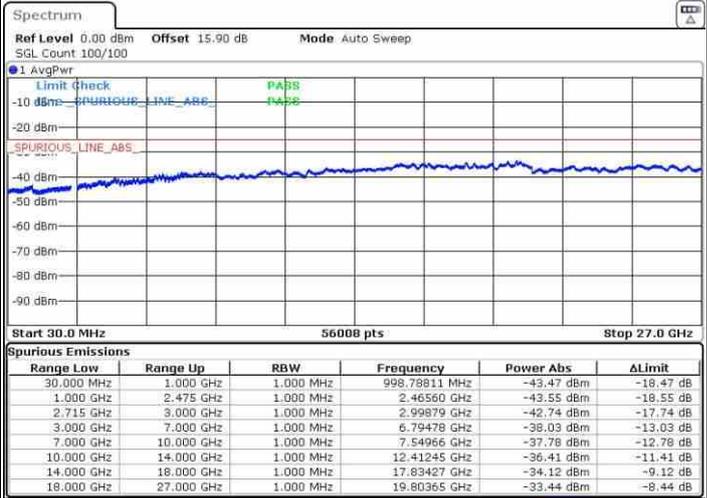
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 23 MAY 2019 02:50:32

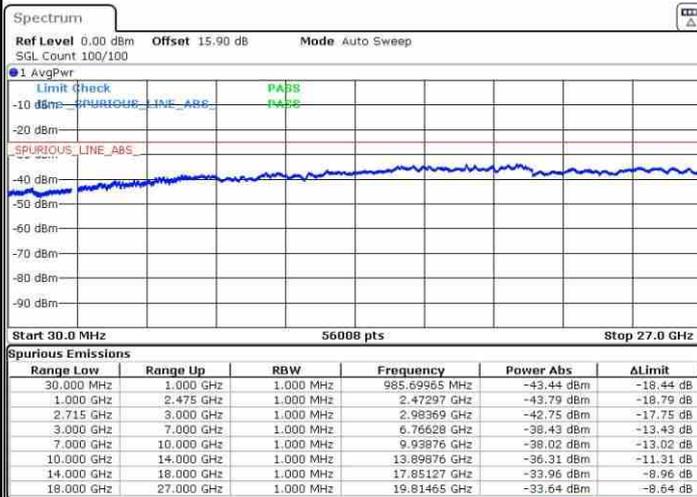
Highest Channel / 16QAM



Date: 23 MAY 2019 02:51:18

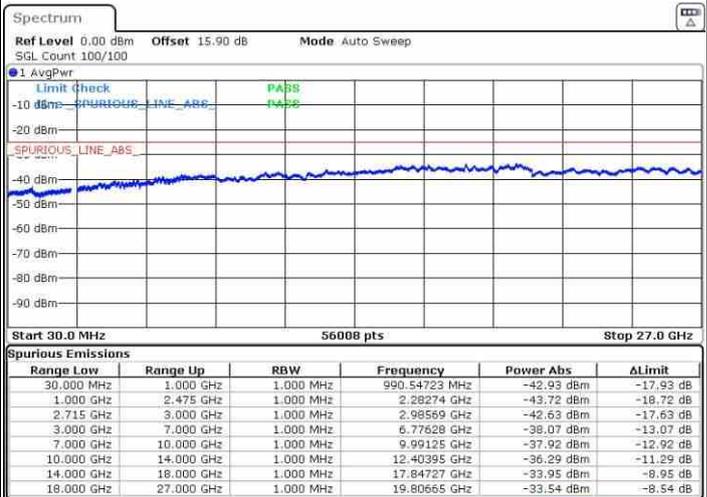
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 23 MAY 2019 02:52:05

Lowest Channel / 16QAM



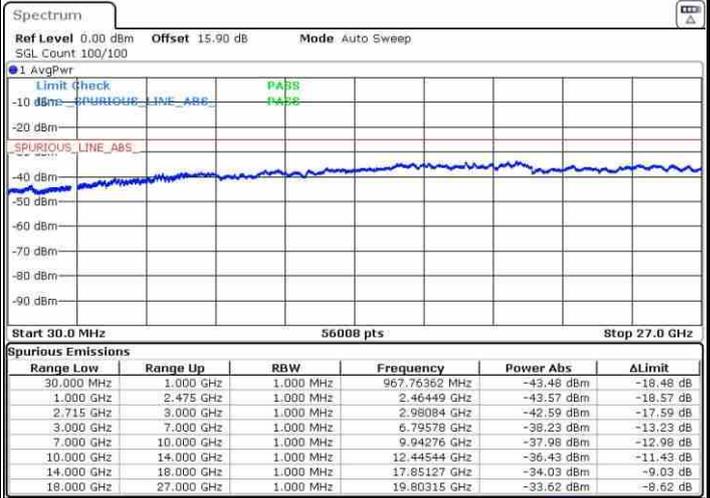
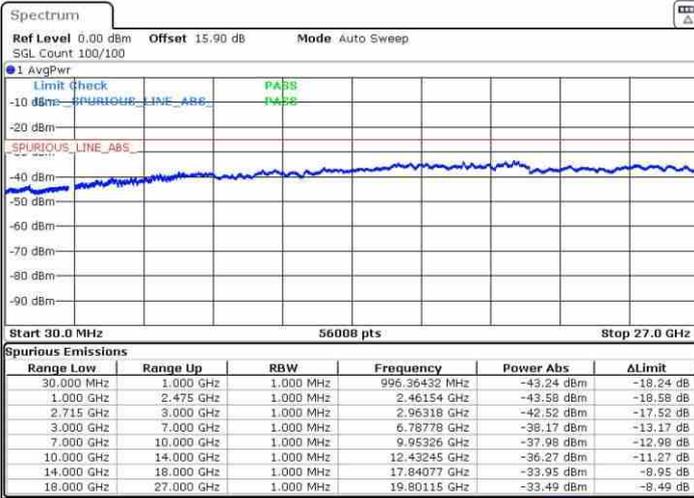
Date: 23 MAY 2019 02:52:01



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

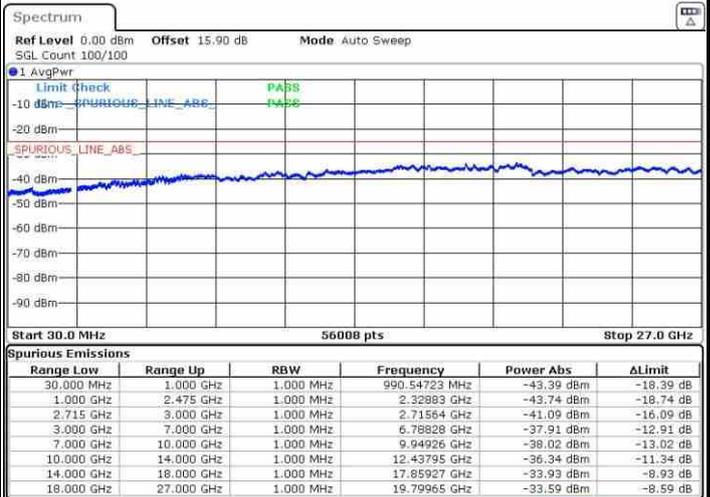
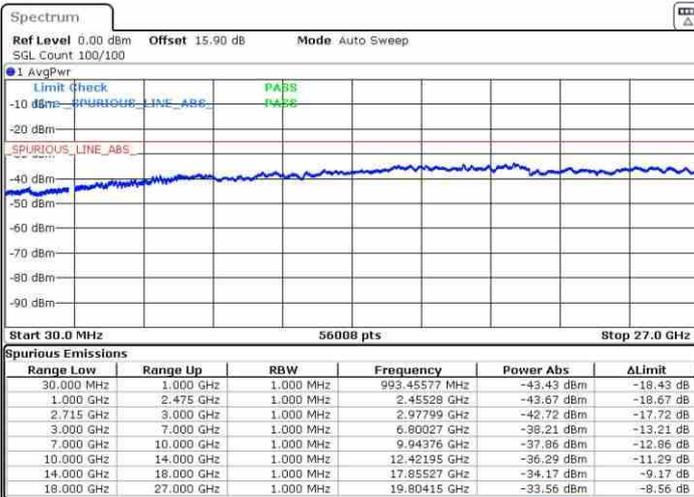


Date: 23 MAY.2019 02:53:36

Date: 23 MAY.2019 02:54:21

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23 MAY.2019 02:55:06

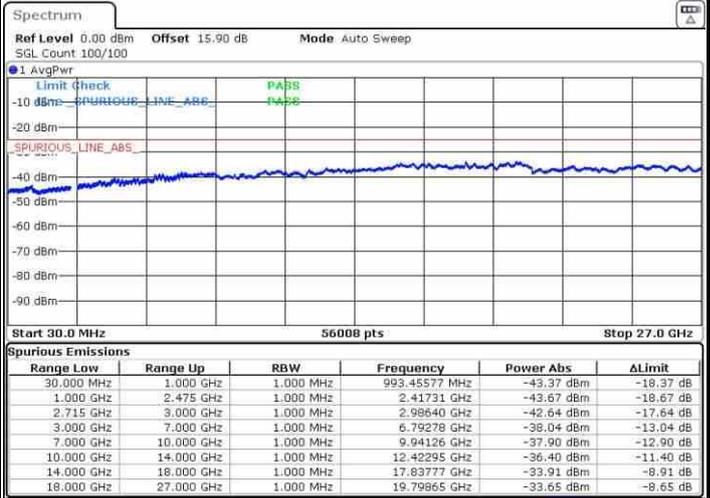
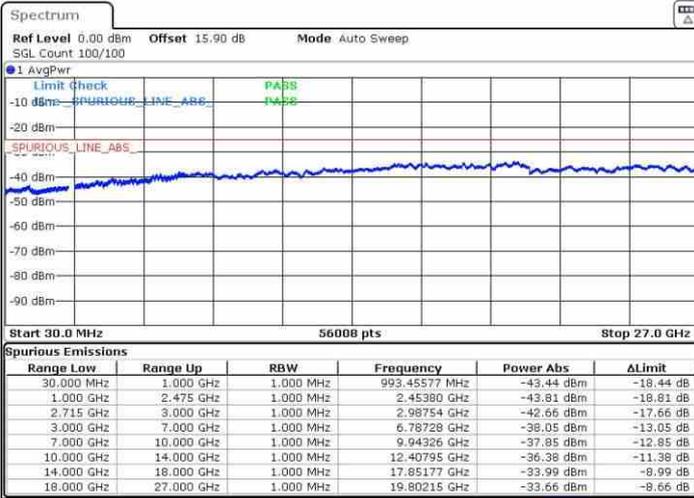
Date: 23 MAY.2019 02:55:52



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

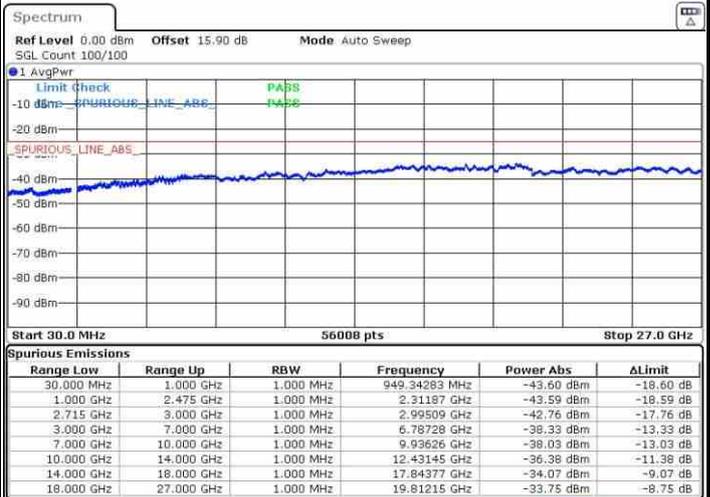
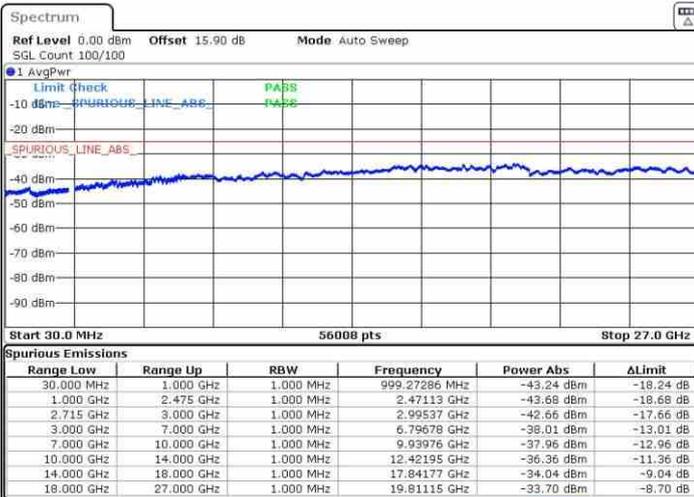


Date: 23 MAY.2019 02:56:39

Date: 23 MAY.2019 02:57:25

Middle Channel / QPSK

Middle Channel / 16QAM



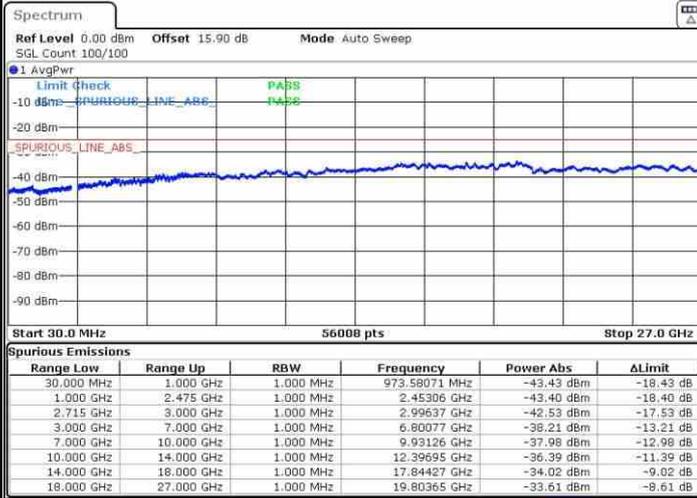
Date: 23 MAY.2019 02:58:10

Date: 23 MAY.2019 02:58:55



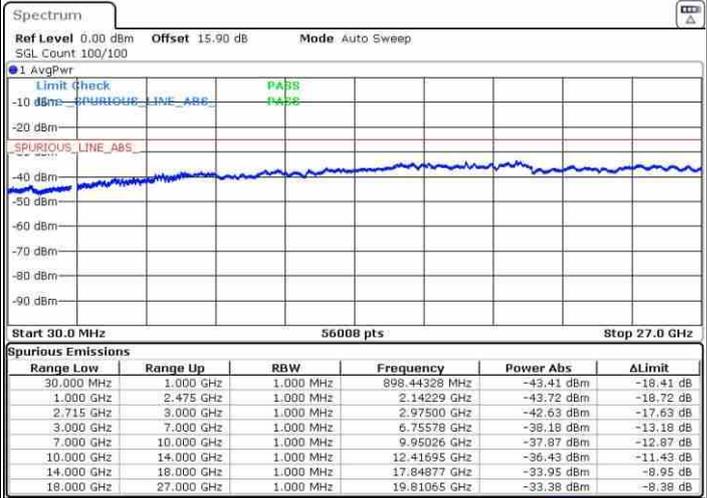
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 23 MAY 2019 02:59:41

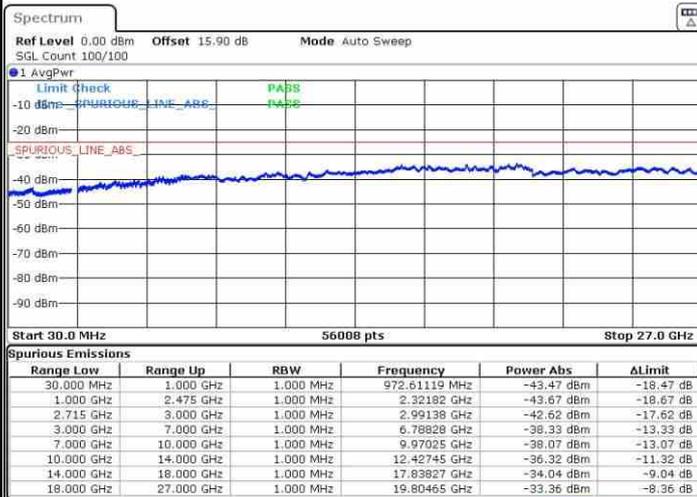
Highest Channel / 16QAM



Date: 23 MAY 2019 03:00:27

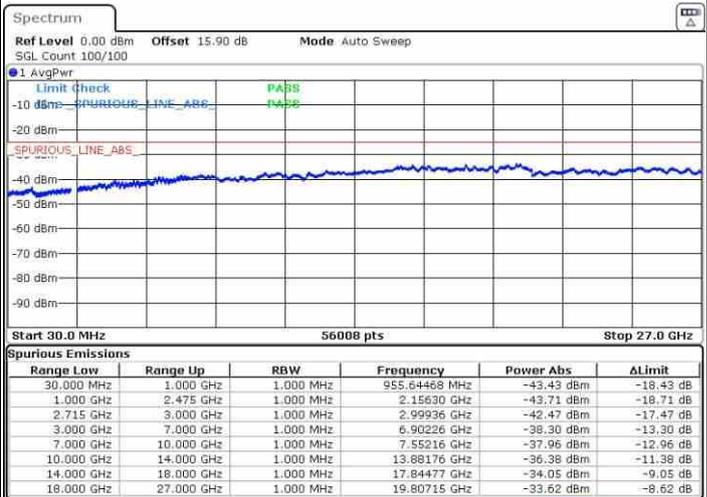
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 23 MAY 2019 03:01:14

Lowest Channel / 16QAM



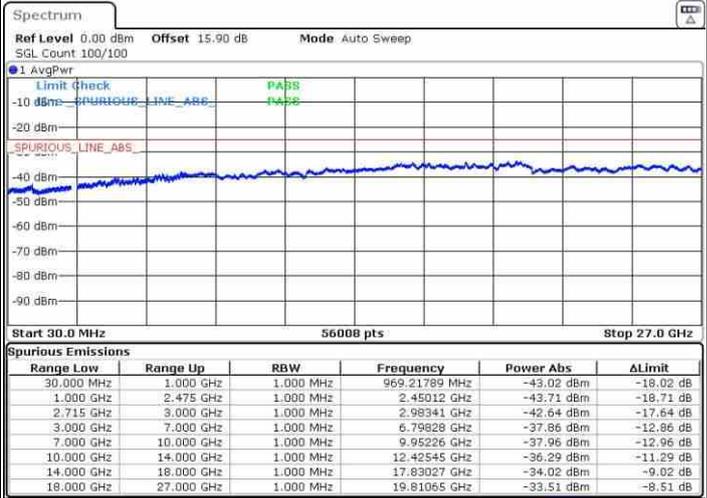
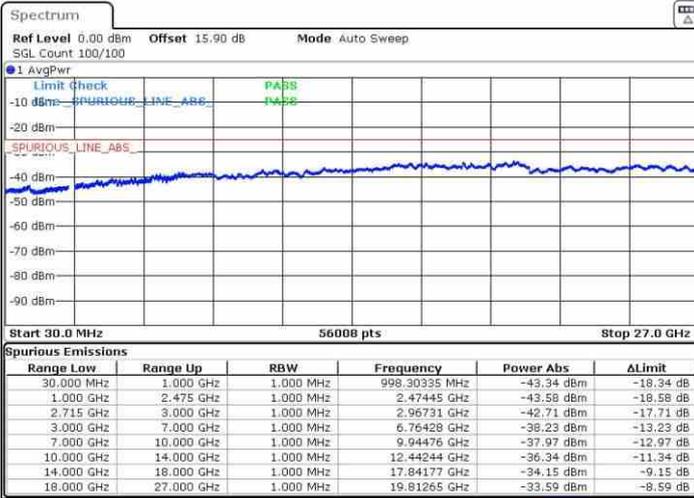
Date: 23 MAY 2019 03:02:00



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

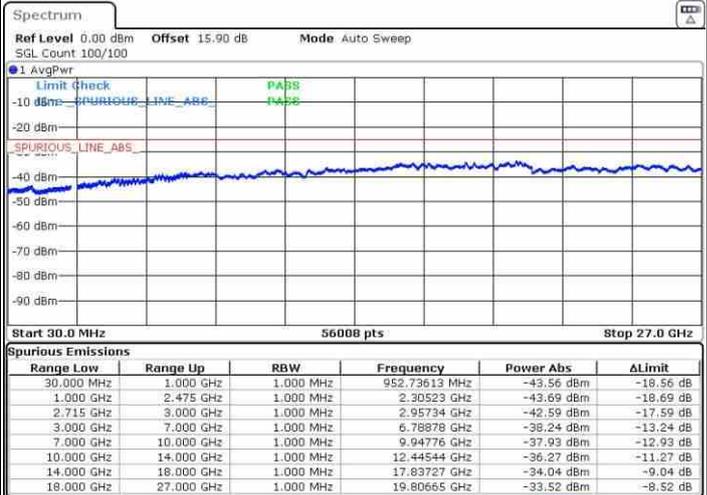
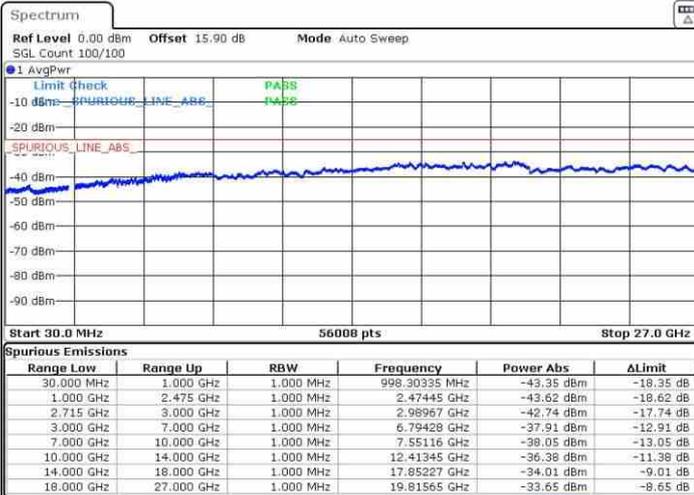


Date: 23 MAY.2019 03:02:45

Date: 23 MAY.2019 03:03:30

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23 MAY.2019 03:04:15

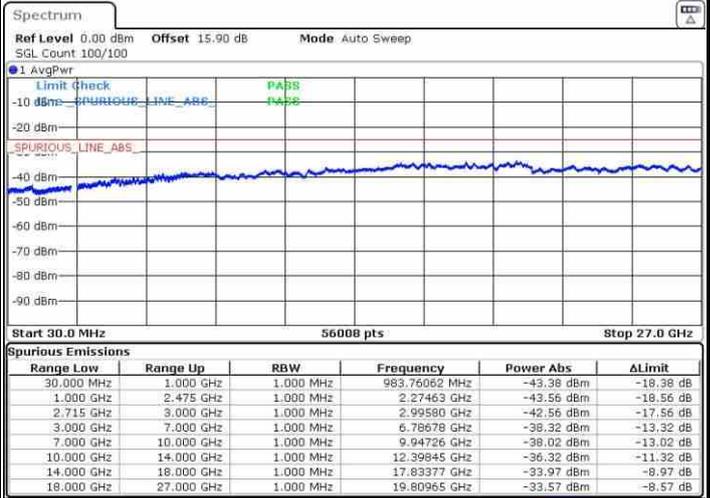
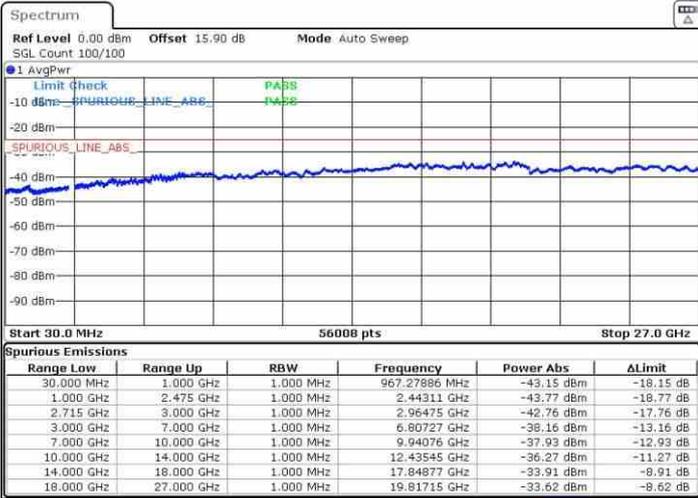
Date: 23 MAY.2019 03:05:01



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

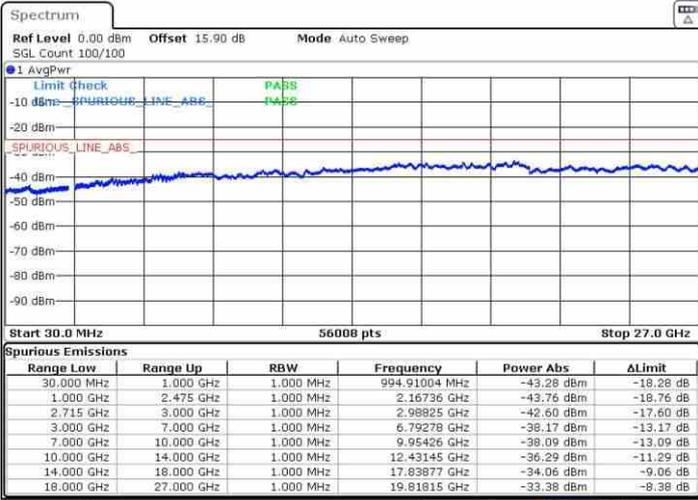
Middle Channel / 64QAM



Date: 23 MAY 2019 02:38:19

Date: 23 MAY 2019 02:38:04

Highest Channel / 64QAM



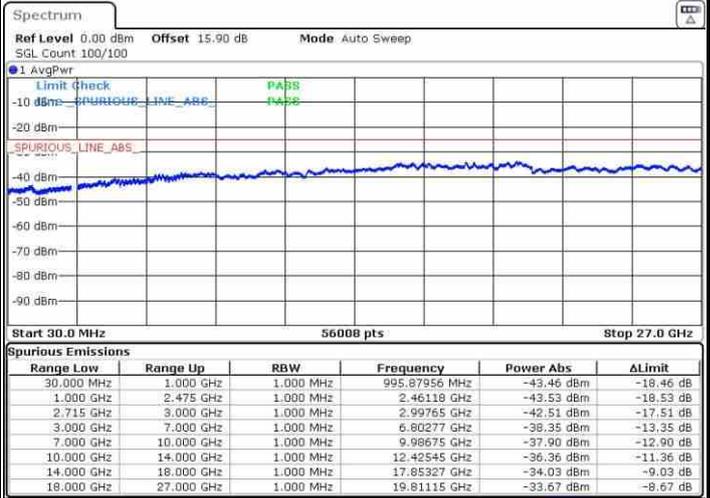
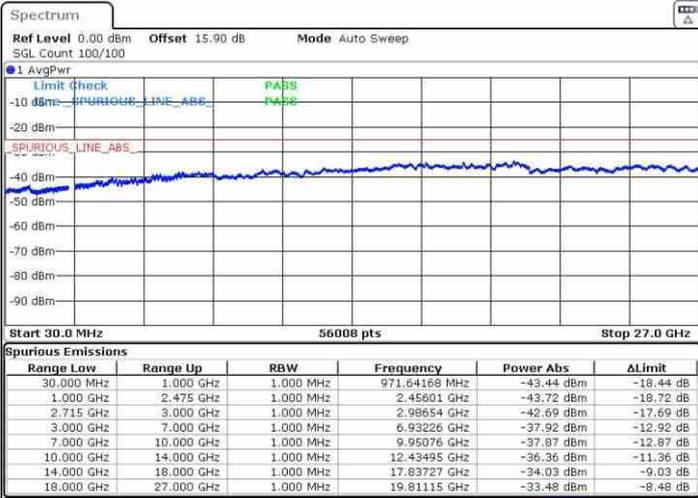
Date: 23 MAY 2019 02:38:50



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

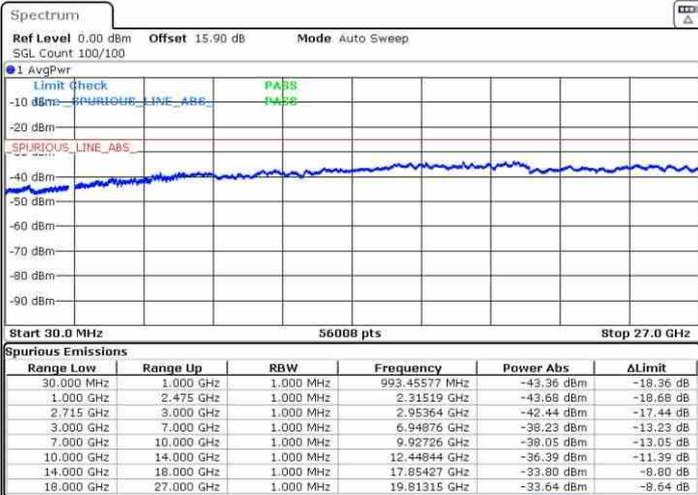
Middle Channel / 64QAM



Date: 23 MAY 2019 02:40:37

Date: 23 MAY 2019 02:41:22

Highest Channel / 64QAM



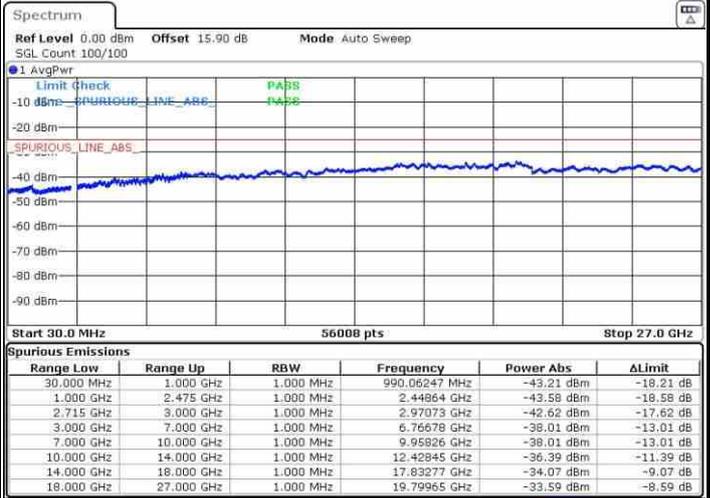
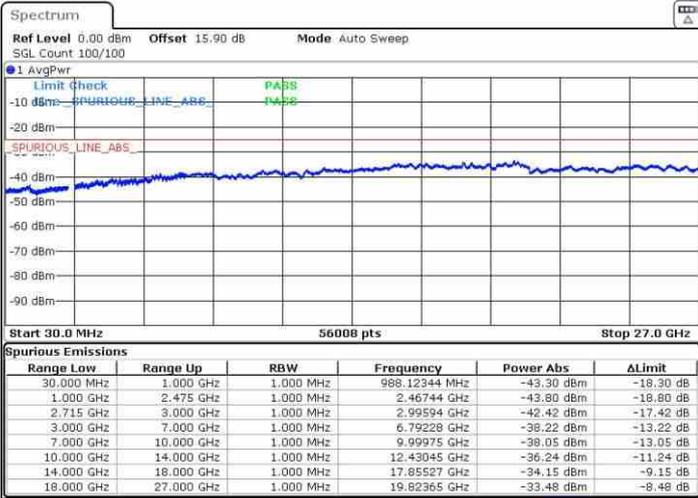
Date: 23 MAY 2019 02:42:08



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

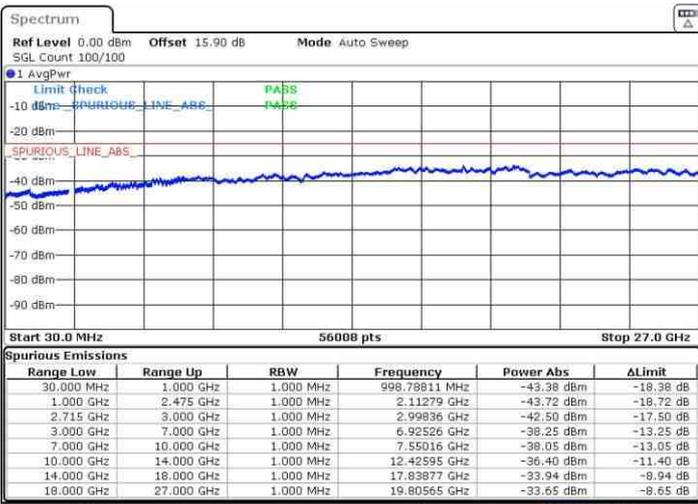
Middle Channel / 64QAM



Date: 23 MAY 2019 02:42:55

Date: 23 MAY 2019 02:43:40

Highest Channel / 64QAM



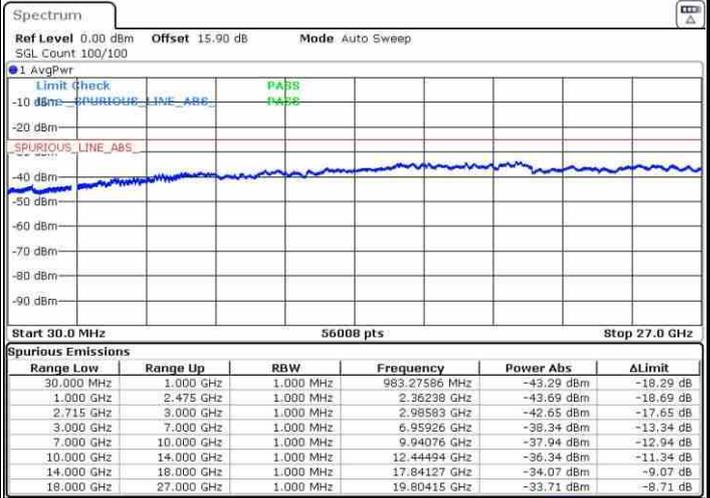
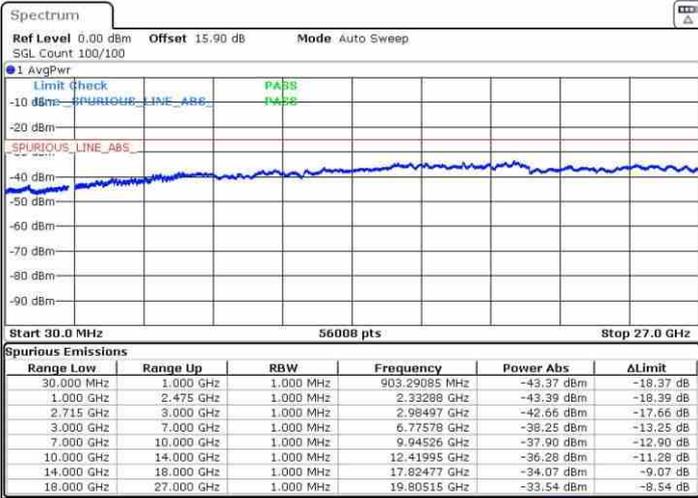
Date: 23 MAY 2019 02:44:25



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

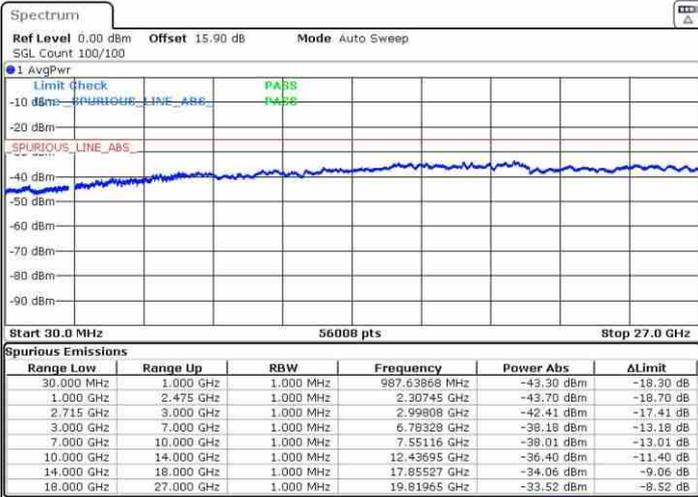
Middle Channel / 64QAM



Date: 23 MAY 2019 02:45:12

Date: 23 MAY 2019 02:45:58

Highest Channel / 64QAM



Date: 23 MAY 2019 02:46:43



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.49	4.26	5.59	PASS
Middle CH	3.45	5.01	4.23	5.57	
Highest CH	3.59	4.61	4.17	5.65	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.36	6.64	-	-	PASS
Middle CH	5.51	6.52	-	-	
Highest CH	5.42	6.64	-	-	



LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 25 MAY 2019 02:55:41

Lowest Channel / Full RB



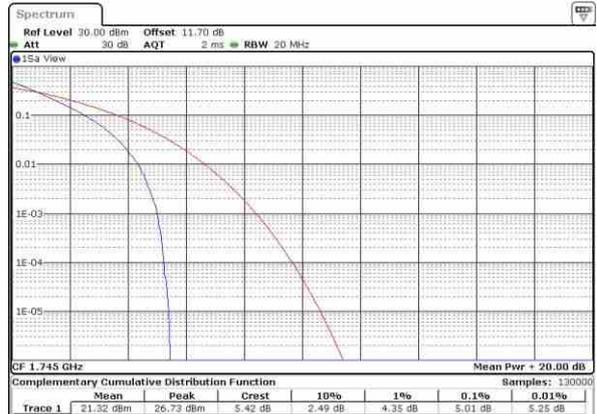
Date: 25 MAY 2019 02:55:53

Middle Channel / 1RB



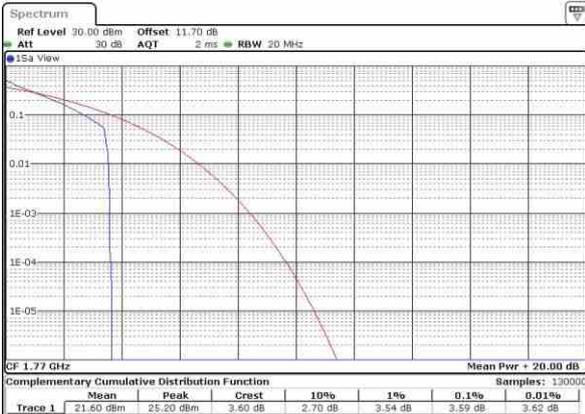
Date: 25 MAY 2019 02:56:04

Middle Channel / Full RB



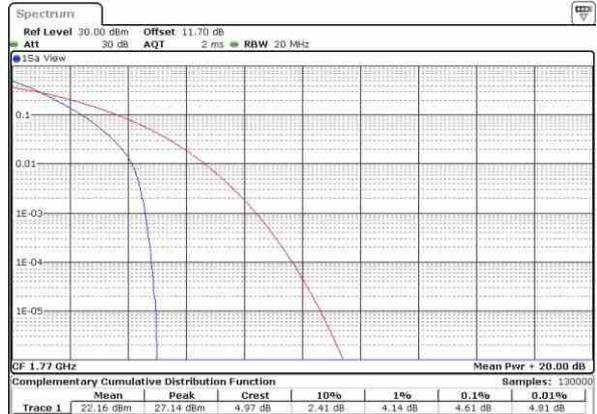
Date: 25 MAY 2019 02:56:16

Highest Channel / 1RB



Date: 25 MAY 2019 02:56:28

Highest Channel / Full RB

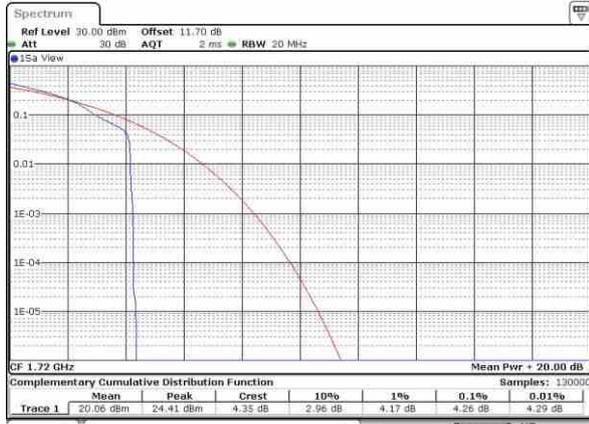


Date: 25 MAY 2019 02:56:40



LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



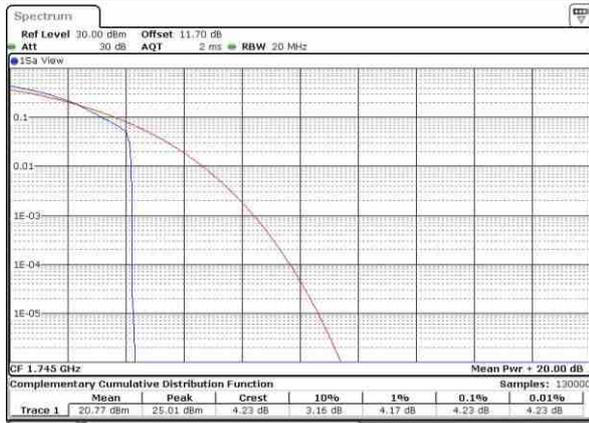
Date: 25 MAY 2019 02:54:29

Lowest Channel / Full RB



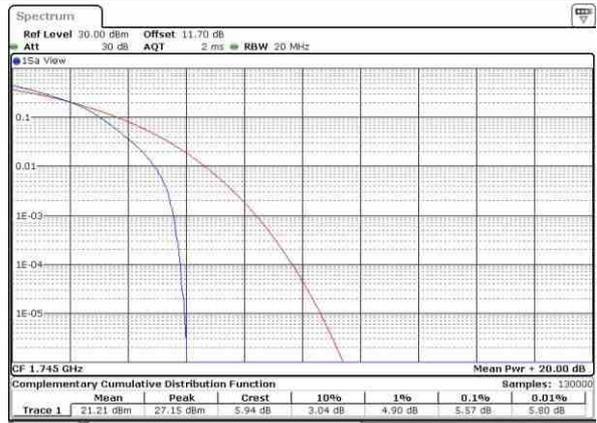
Date: 25 MAY 2019 02:54:43

Middle Channel / 1RB



Date: 25 MAY 2019 02:54:54

Middle Channel / Full RB



Date: 25 MAY 2019 02:55:06

Highest Channel / 1RB



Date: 25 MAY 2019 02:55:17

Highest Channel / Full RB

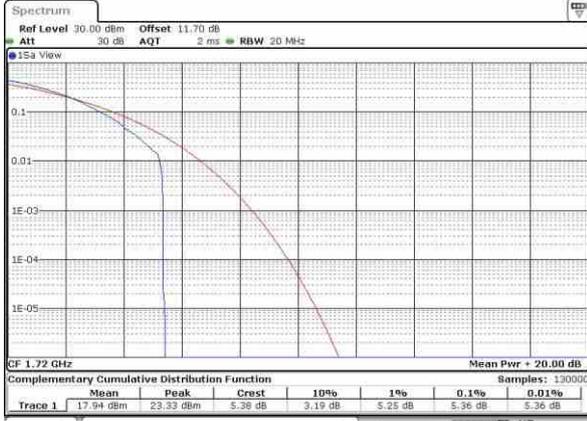


Date: 25 MAY 2019 02:55:29



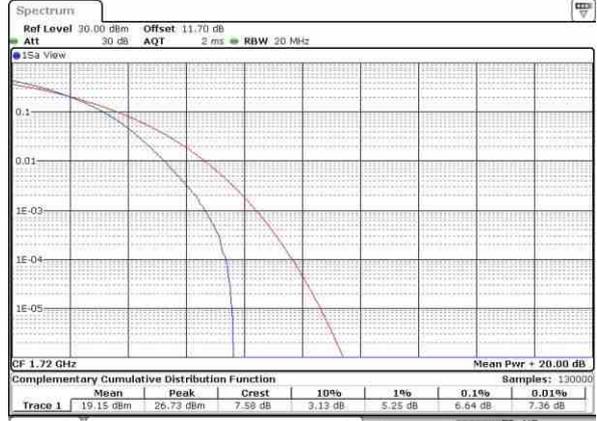
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



Date: 25 MAY 2019 02:56:52

Lowest Channel / Full RB



Date: 25 MAY 2019 02:57:51

Middle Channel / 1RB



Date: 25 MAY 2019 02:58:47

Middle Channel / Full RB



Date: 25 MAY 2019 02:58:58

Highest Channel / 1RB



Date: 25 MAY 2019 02:59:42

Highest Channel / Full RB



Date: 25 MAY 2019 02:59:53



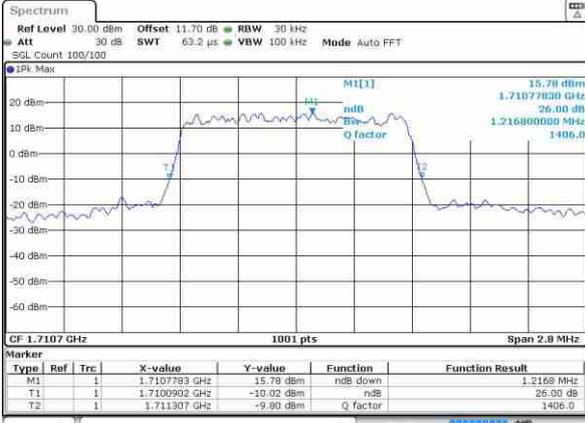
26dB Bandwidth

Mode	LTE Band 66 : 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	1.22	1.23	3.03	2.97	4.97	4.86	9.85	9.89	14.27	14.45	18.74	19.22
Middle CH	1.24	1.23	3.05	3.04	4.91	4.91	9.67	9.79	14.36	14.60	19.26	18.94
Highest CH	1.23	1.23	3.04	3.00	4.93	4.86	9.75	9.77	14.45	14.18	19.02	19.02
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24	-	3.03	-	4.83	-	9.81	-	14.27	-	18.86	-
Middle CH	1.23	-	3.06	-	4.91	-	9.87	-	14.48	-	19.02	-
Highest CH	1.24	-	3.02	-	4.88	-	9.89	-	14.30	-	18.82	-



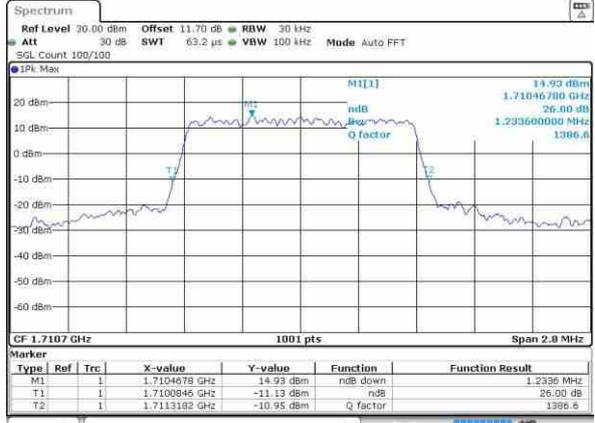
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



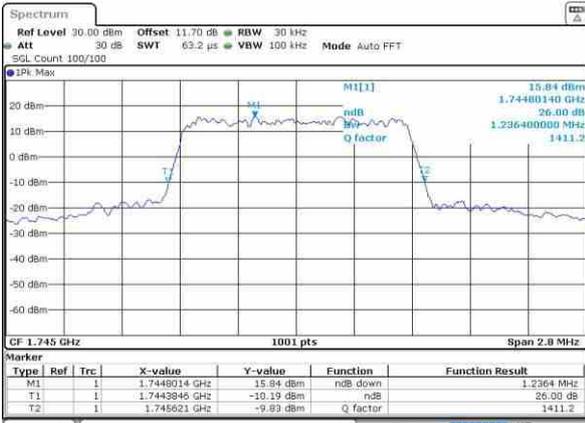
Date: 24 MAY 2019 01:44:01

Lowest Channel / 1.4MHz / 16QAM



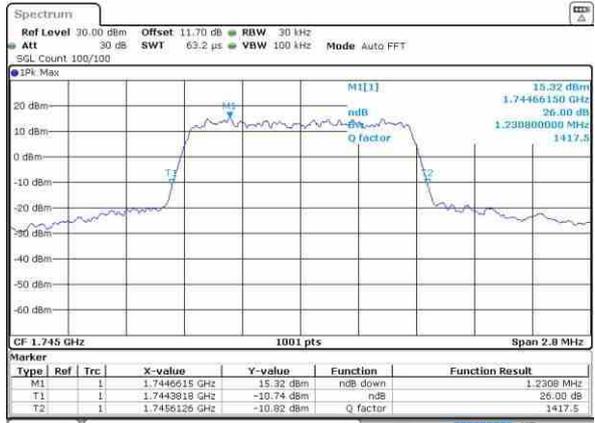
Date: 24 MAY 2019 01:44:13

Middle Channel / 1.4MHz / QPSK



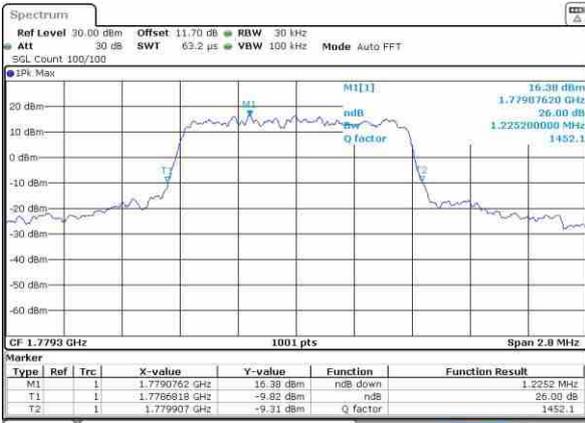
Date: 24 MAY 2019 01:50:31

Middle Channel / 1.4MHz / 16QAM



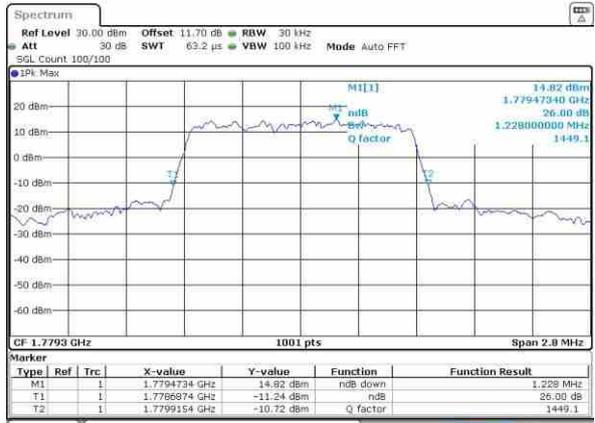
Date: 24 MAY 2019 01:50:44

Highest Channel / 1.4MHz / QPSK



Date: 24 MAY 2019 01:52:45

Highest Channel / 1.4MHz / 16QAM

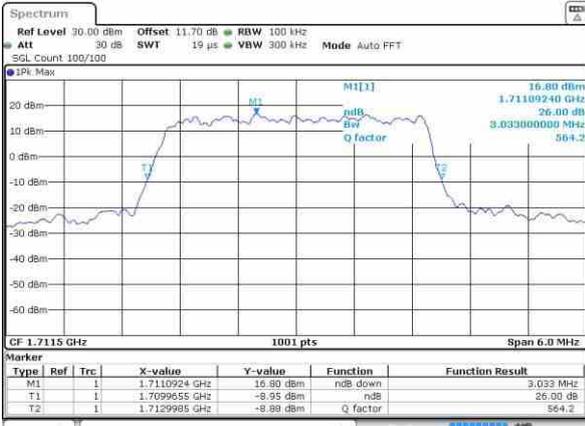


Date: 24 MAY 2019 01:52:57



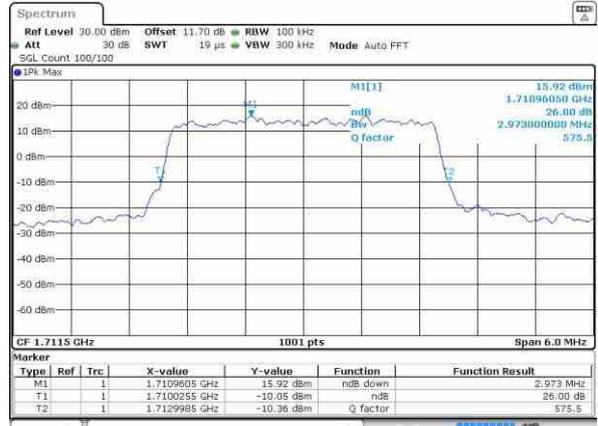
LTE Band 66

Lowest Channel / 3MHz / QPSK



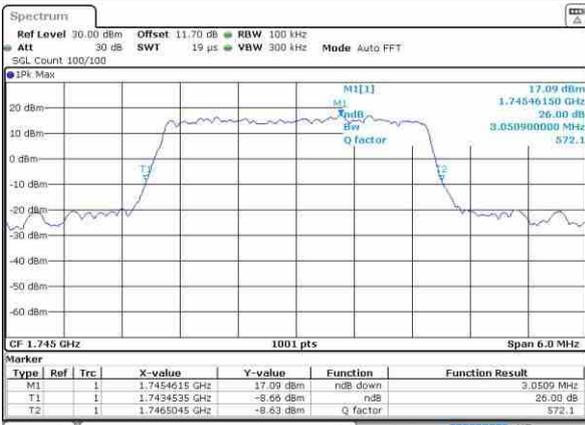
Date: 24 MAY 2019 02:06:53

Lowest Channel / 3MHz / 16QAM



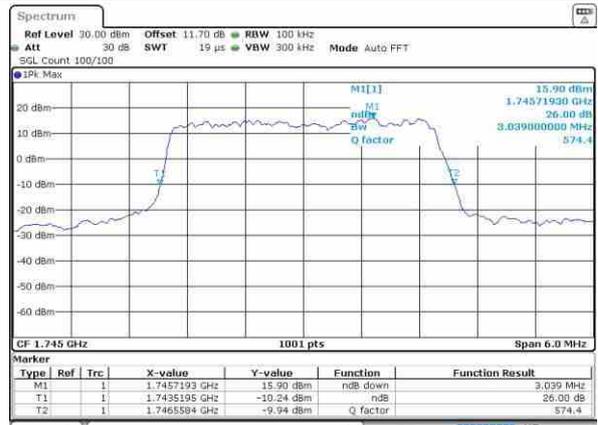
Date: 24 MAY 2019 02:07:05

Middle Channel / 3MHz / QPSK



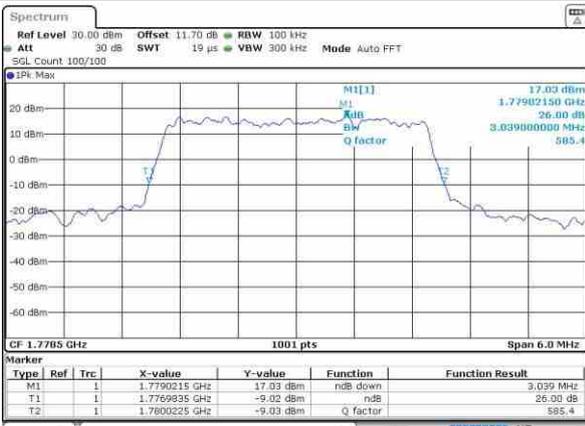
Date: 24 MAY 2019 02:13:14

Middle Channel / 3MHz / 16QAM



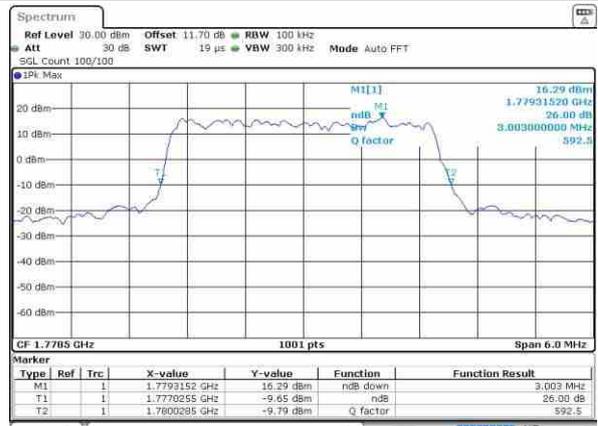
Date: 24 MAY 2019 02:13:26

Highest Channel / 3MHz / QPSK



Date: 24 MAY 2019 02:15:28

Highest Channel / 3MHz / 16QAM

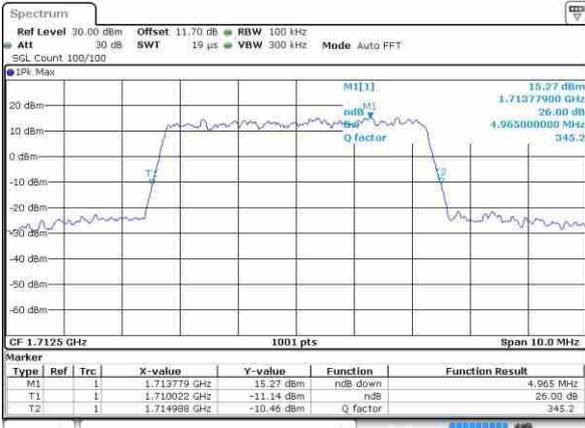


Date: 24 MAY 2019 02:15:40



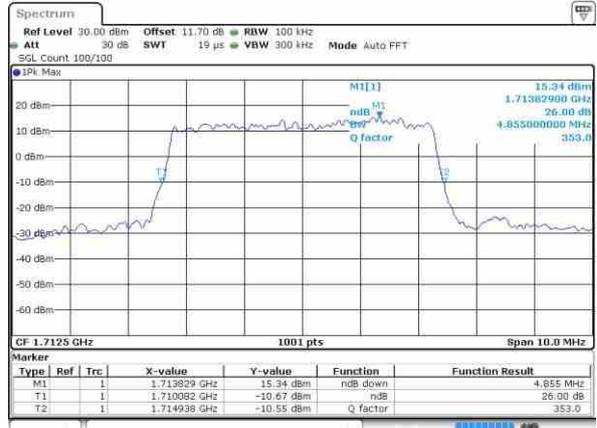
LTE Band 66

Lowest Channel / 5MHz / QPSK



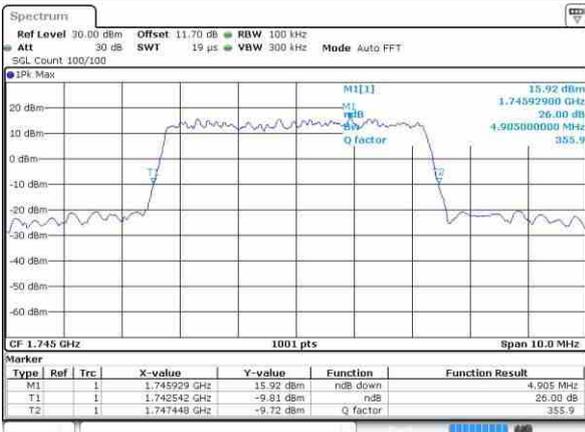
Date: 25 MAY 2019 01:24:48

Lowest Channel / 5MHz / 16QAM



Date: 25 MAY 2019 01:25:00

Middle Channel / 5MHz / QPSK



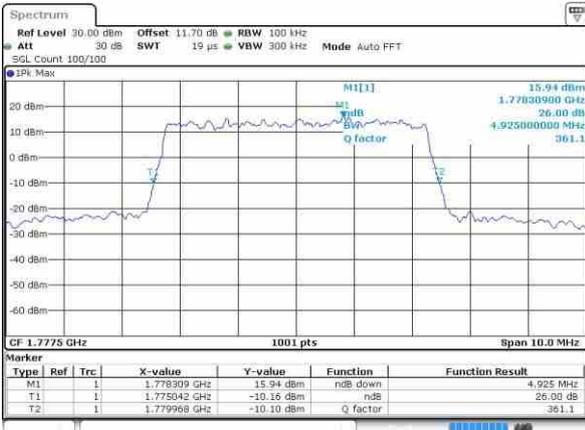
Date: 25 MAY 2019 01:31:06

Middle Channel / 5MHz / 16QAM



Date: 25 MAY 2019 01:31:18

Highest Channel / 5MHz / QPSK



Date: 25 MAY 2019 01:33:19

Highest Channel / 5MHz / 16QAM

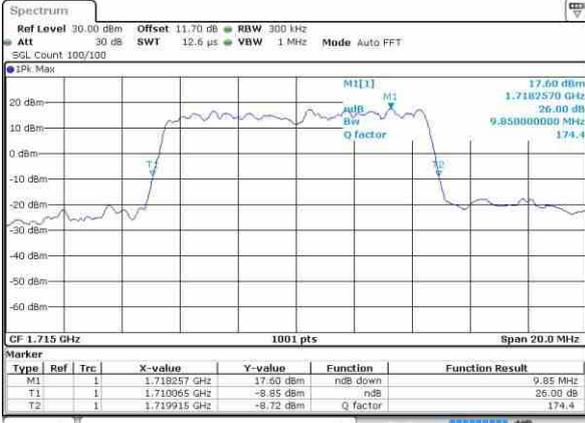


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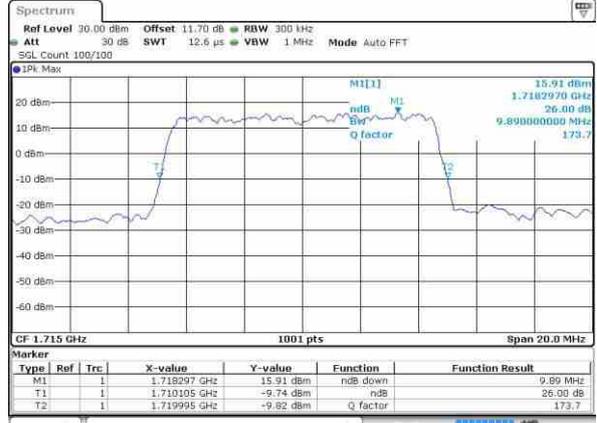
LTE Band 66

Lowest Channel / 10MHz / QPSK



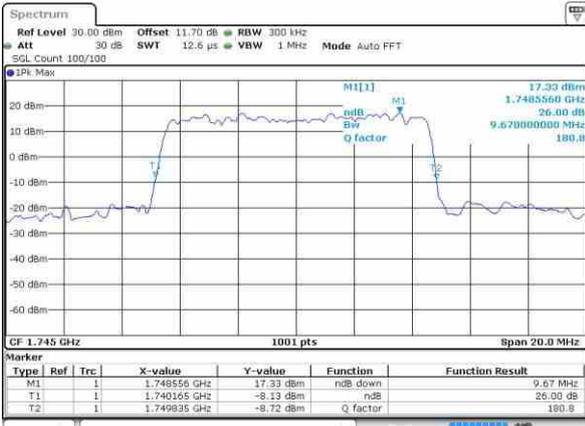
Date: 25 MAY 2019 01:39:37

Lowest Channel / 10MHz / 16QAM



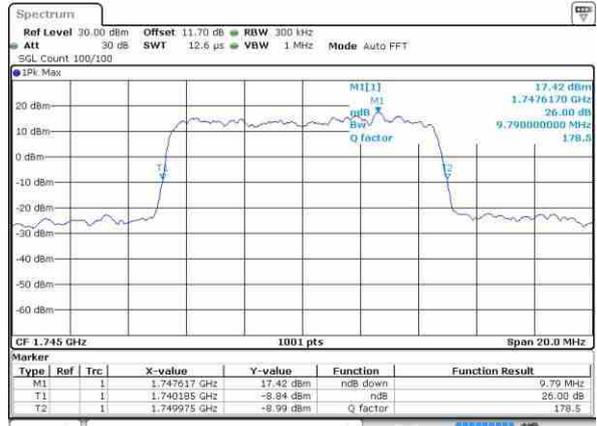
Date: 25 MAY 2019 01:39:50

Middle Channel / 10MHz / QPSK



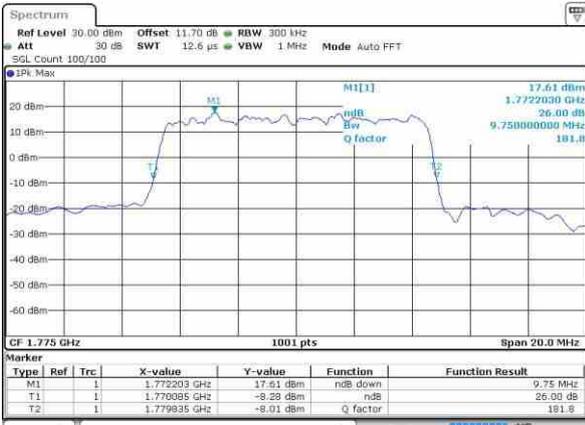
Date: 25 MAY 2019 01:45:55

Middle Channel / 10MHz / 16QAM



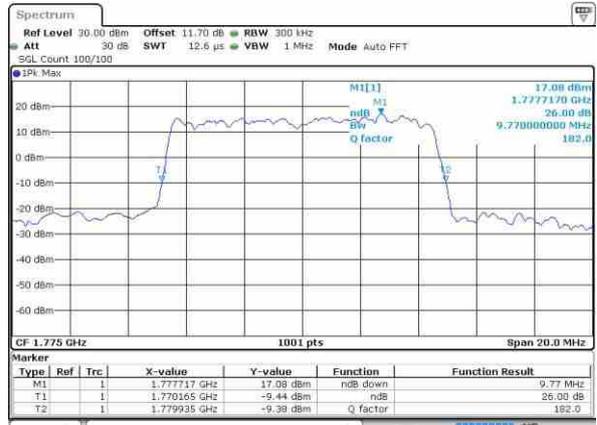
Date: 25 MAY 2019 01:46:08

Highest Channel / 10MHz / QPSK



Date: 25 MAY 2019 01:48:10

Highest Channel / 10MHz / 16QAM

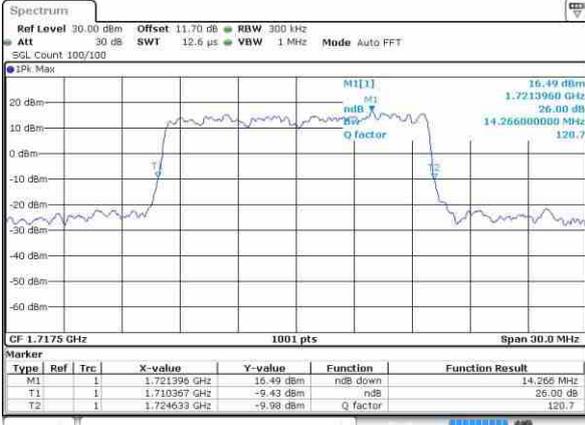


Date: 25 MAY 2019 01:48:22



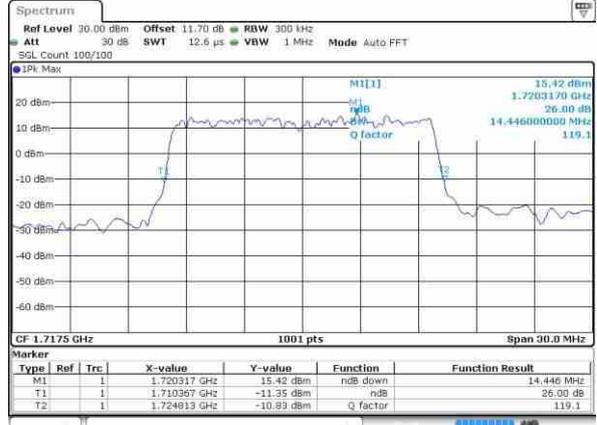
LTE Band 66

Lowest Channel / 15MHz / QPSK



Date: 25 MAY 2019 02:09:23

Lowest Channel / 15MHz / 16QAM



Date: 25 MAY 2019 02:09:35

Middle Channel / 15MHz / QPSK



Date: 25 MAY 2019 02:15:43

Middle Channel / 15MHz / 16QAM



Date: 25 MAY 2019 02:15:56

Highest Channel / 15MHz / QPSK



Date: 25 MAY 2019 02:17:57

Highest Channel / 15MHz / 16QAM



Date: 25 MAY 2019 02:18:09