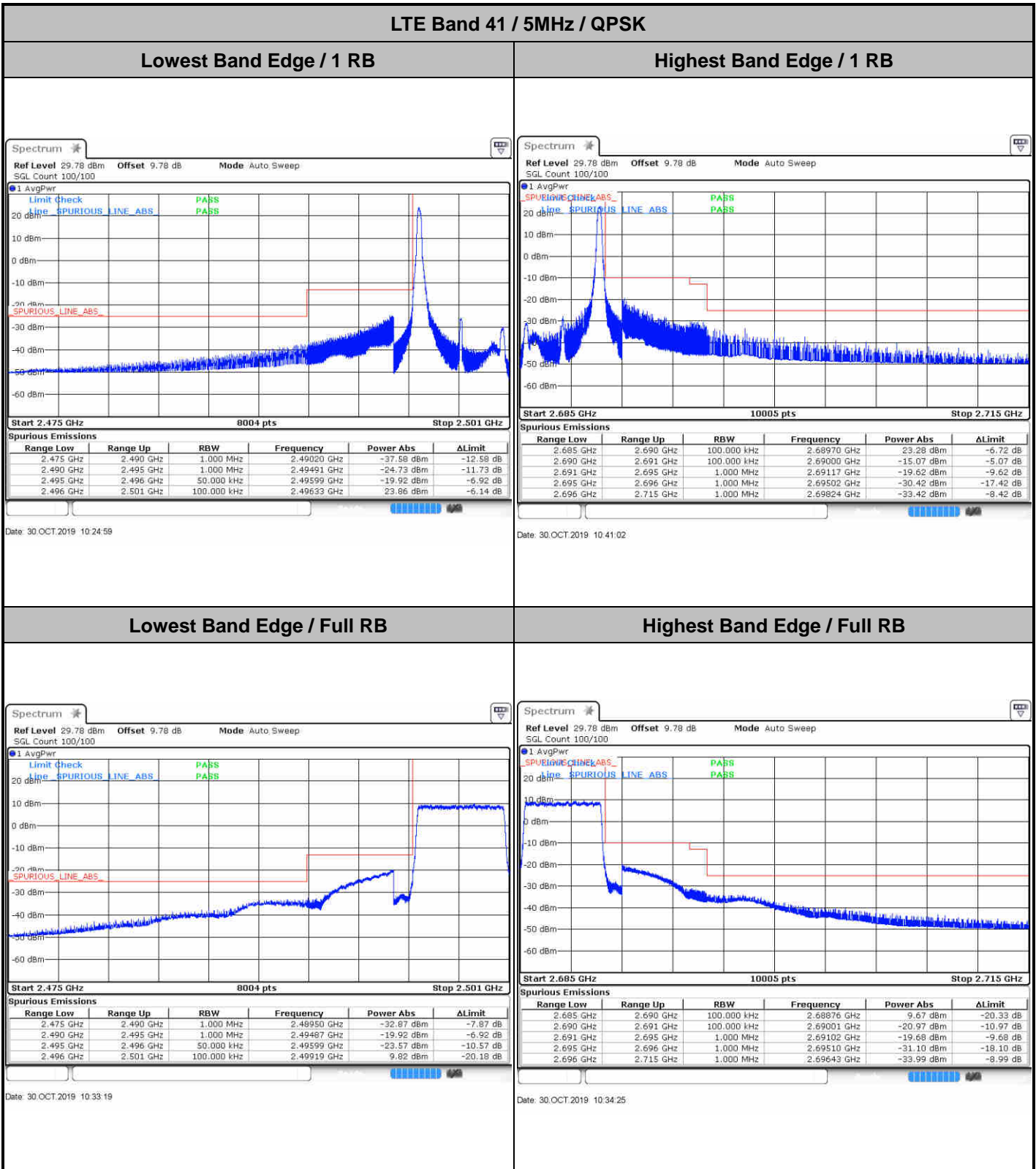




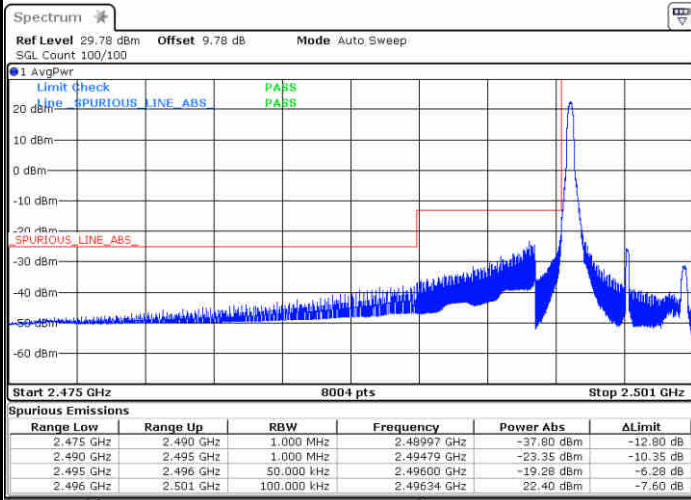
Conducted Band Edge





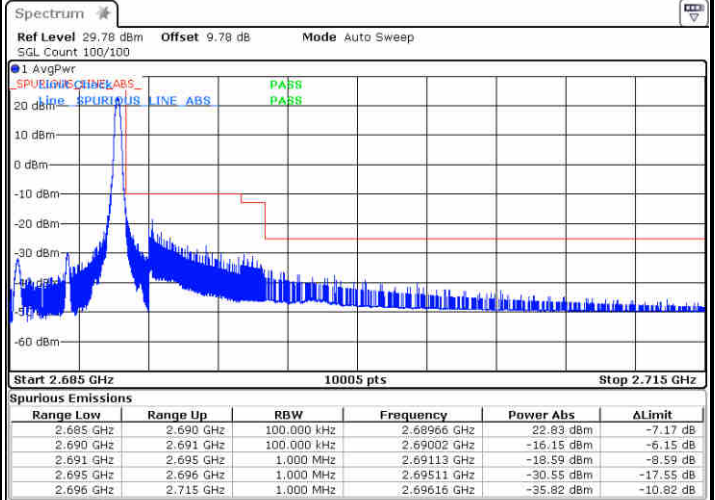
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



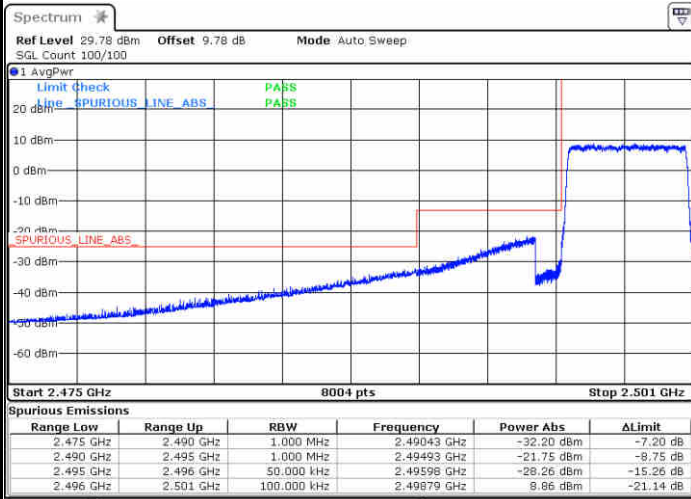
Date: 30.OCT.2019 10:28:39

Highest Band Edge / 1 RB



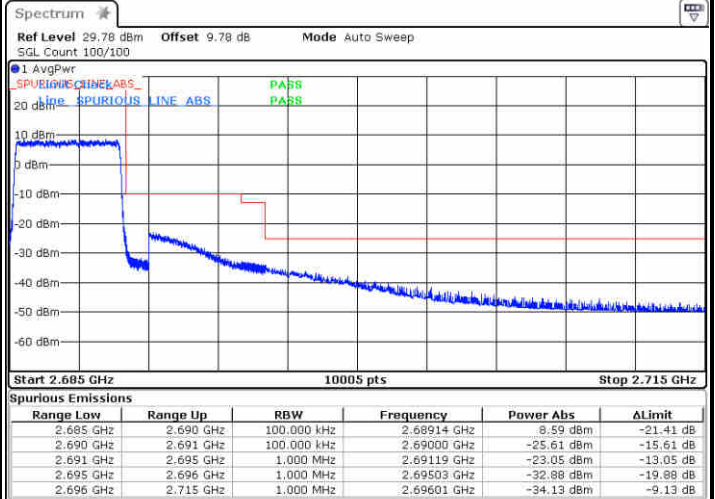
Date: 30.OCT.2019 10:38:53

Lowest Band Edge / Full RB



Date: 30.OCT.2019 10:32:11

Highest Band Edge / Full RB

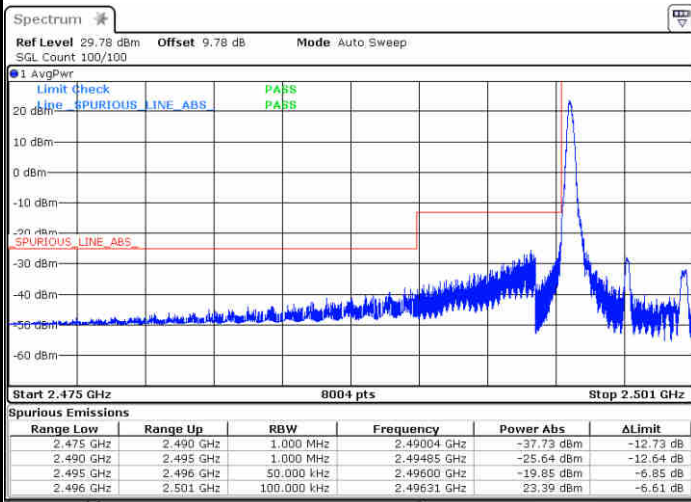


Date: 30.OCT.2019 10:35:26



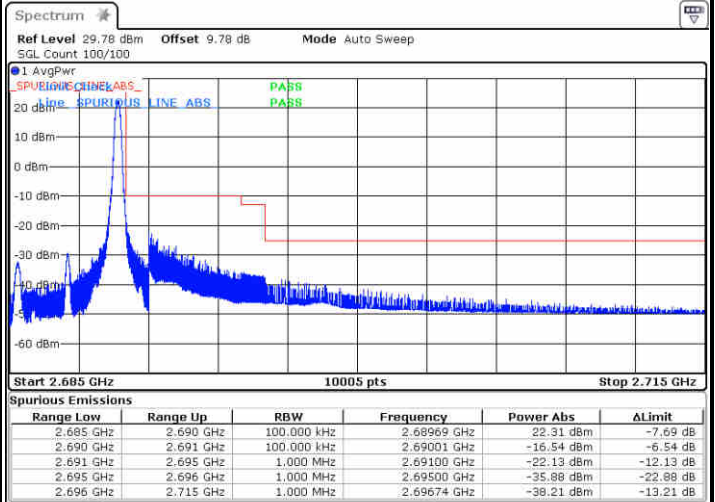
LTE Band 41 / 5MHz / 674QAM

Lowest Band Edge / 1RB



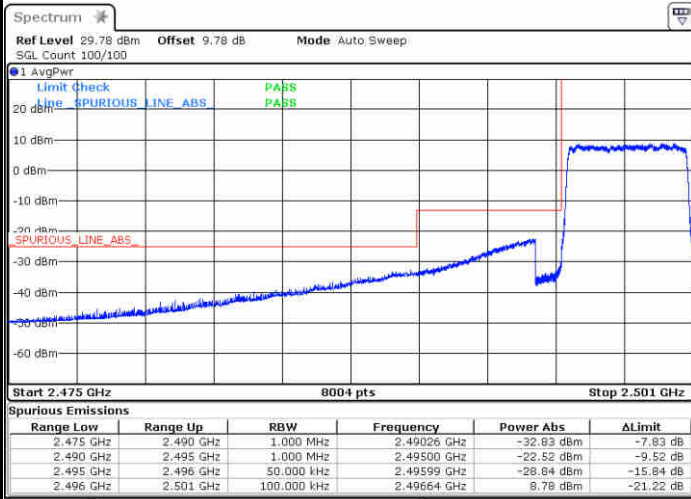
Date: 30.OCT.2019 10:29:49

Highest Band Edge / 1 RB



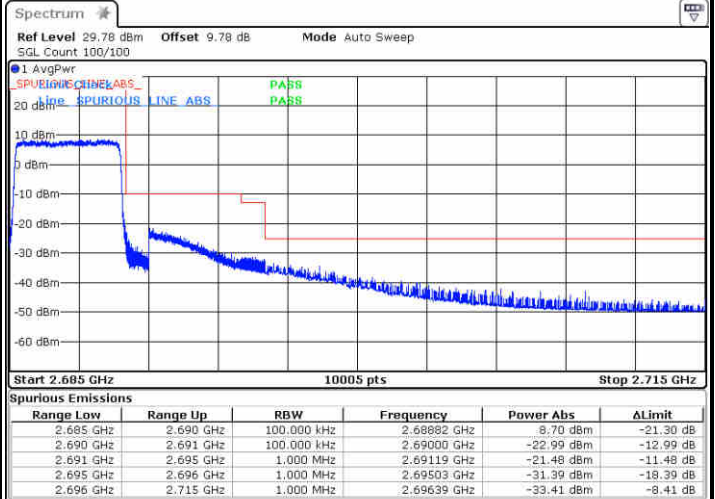
Date: 30.OCT.2019 10:39:50

Lowest Band Edge / Full RB



Date: 30.OCT.2019 10:31:15

Highest Band Edge / Full RB

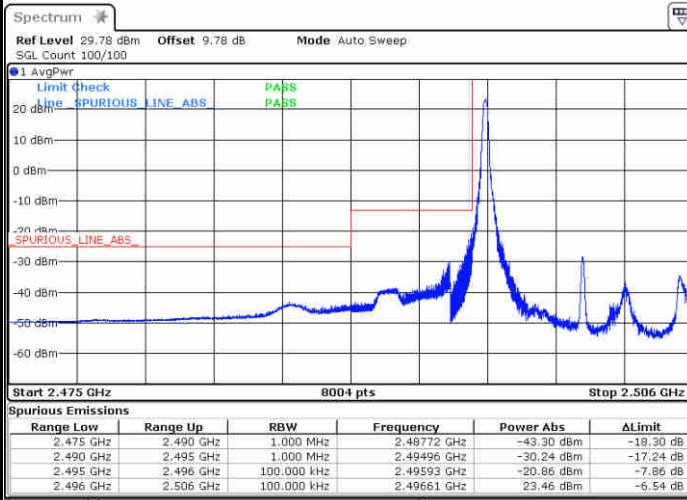


Date: 30.OCT.2019 10:37:01



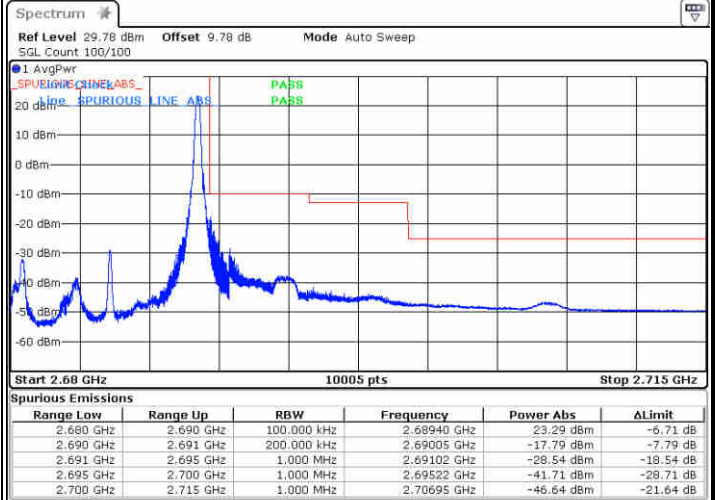
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



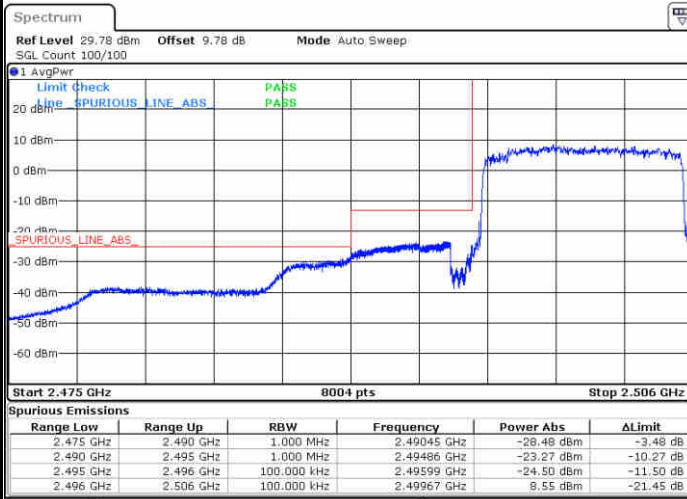
Date: 30.OCT.2019 10:51:03

Highest Band Edge / 1 RB



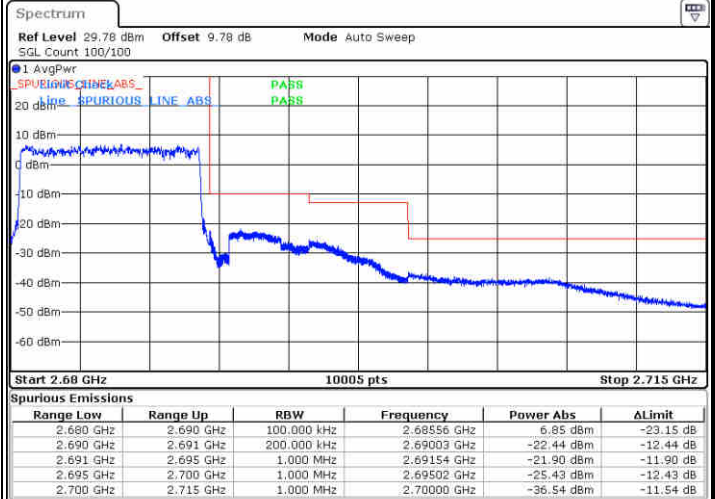
Date: 30.OCT.2019 14:31:40

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:27:58

Highest Band Edge / Full RB

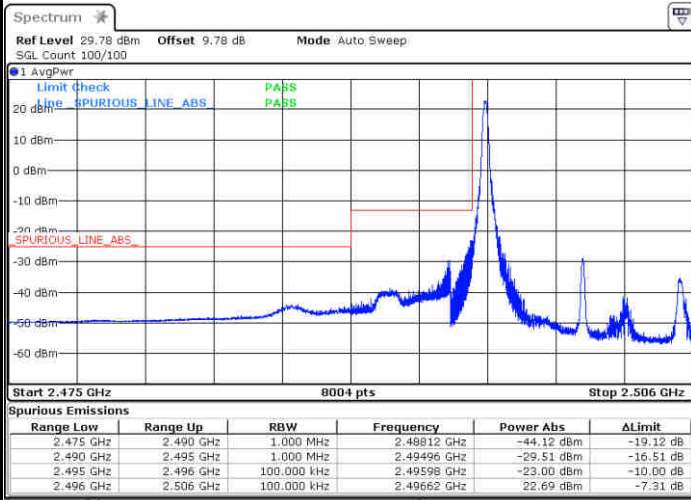


Date: 30.OCT.2019 14:30:41



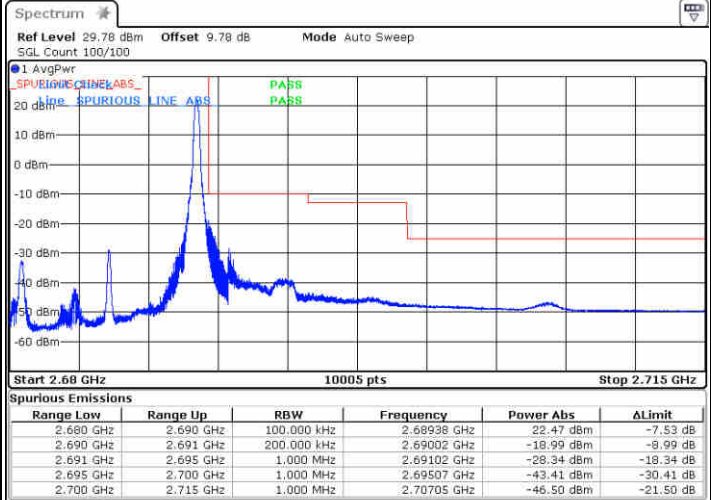
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



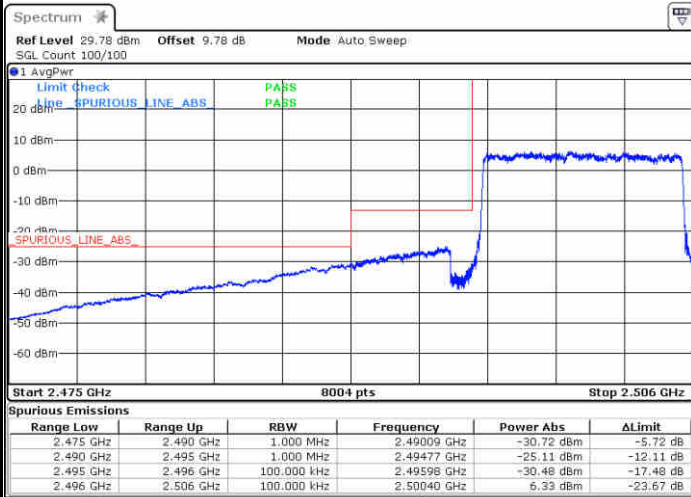
Date: 30.OCT.2019 10:52:05

Highest Band Edge / 1 RB



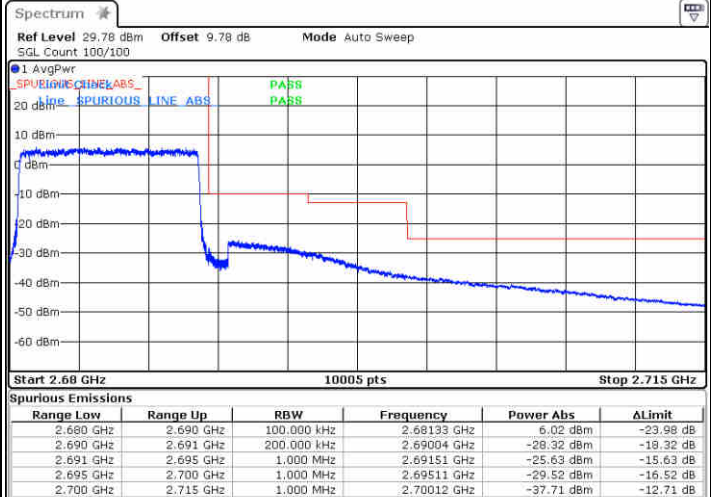
Date: 30.OCT.2019 14:32:41

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:28:38

Highest Band Edge / Full RB

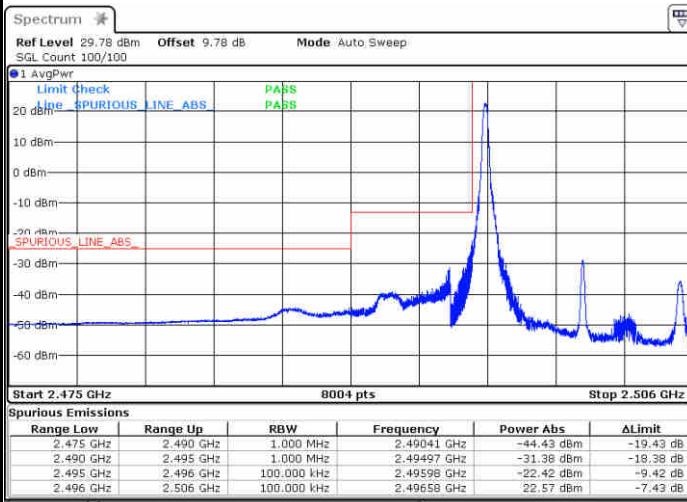


Date: 30.OCT.2019 14:30:24



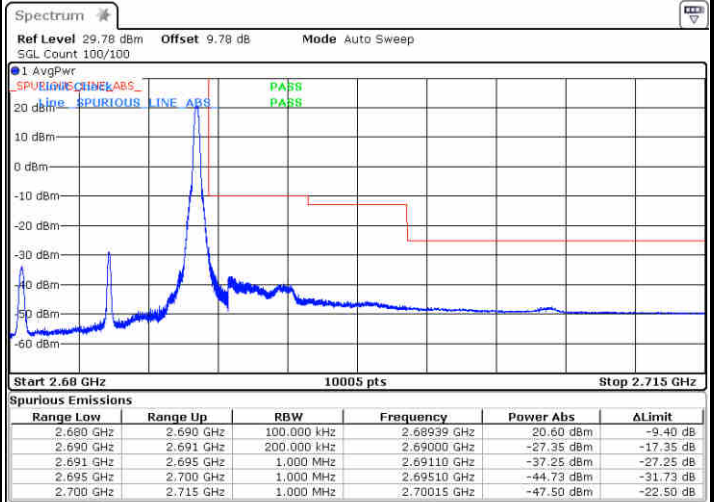
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



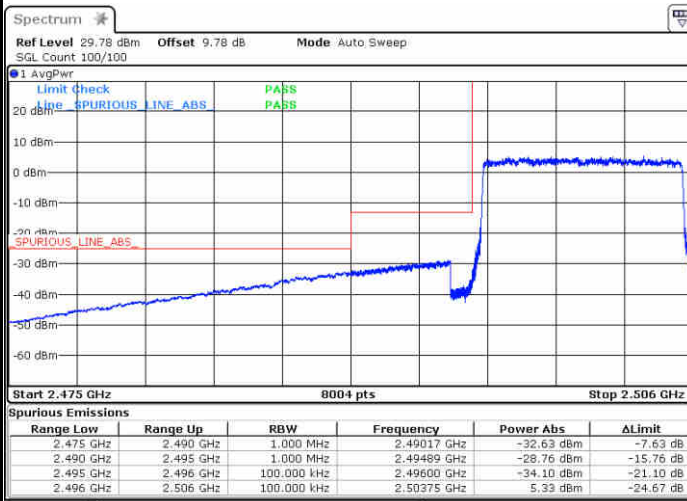
Date: 30.OCT.2019 10:55:18

Highest Band Edge / 1 RB



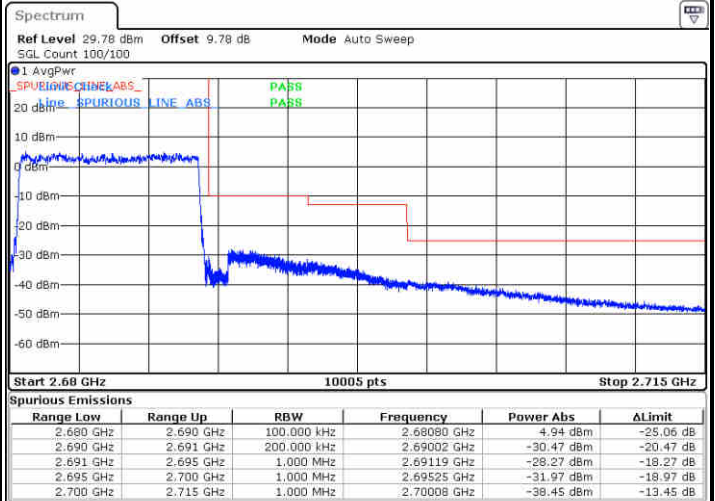
Date: 30.OCT.2019 14:33:49

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:29:19

Highest Band Edge / Full RB

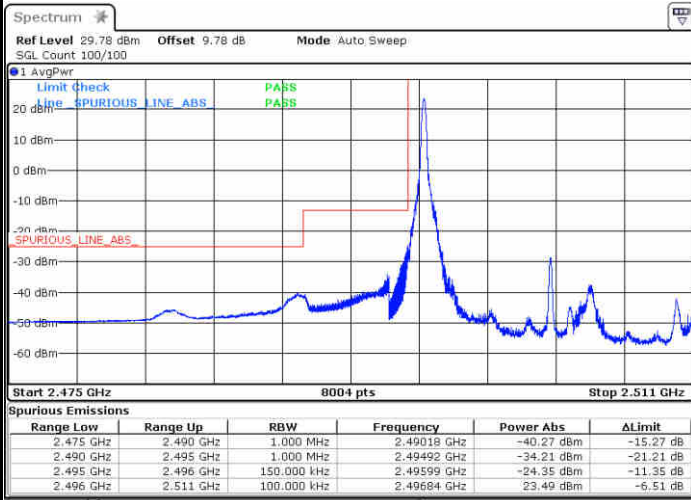


Date: 30.OCT.2019 14:29:41



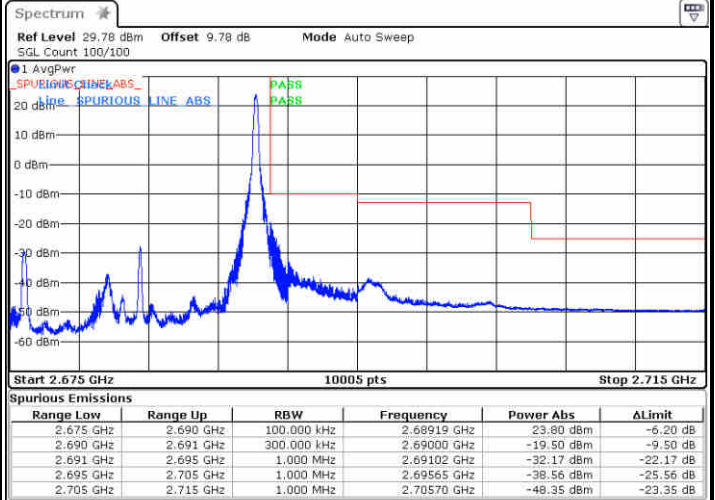
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



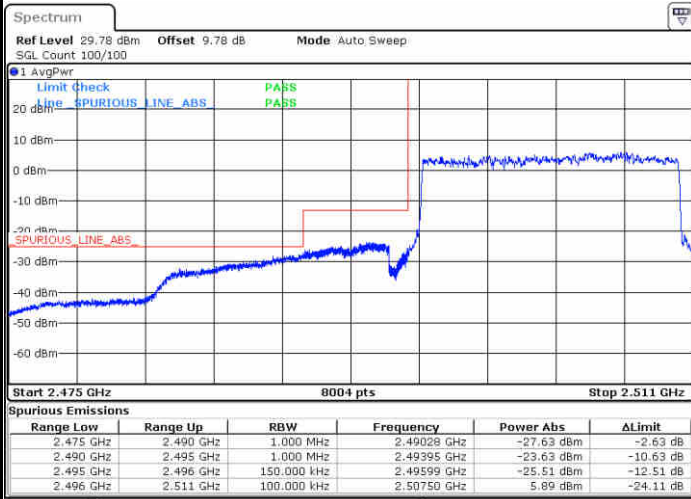
Date: 30.OCT.2019 14:42:50

Highest Band Edge / 1 RB



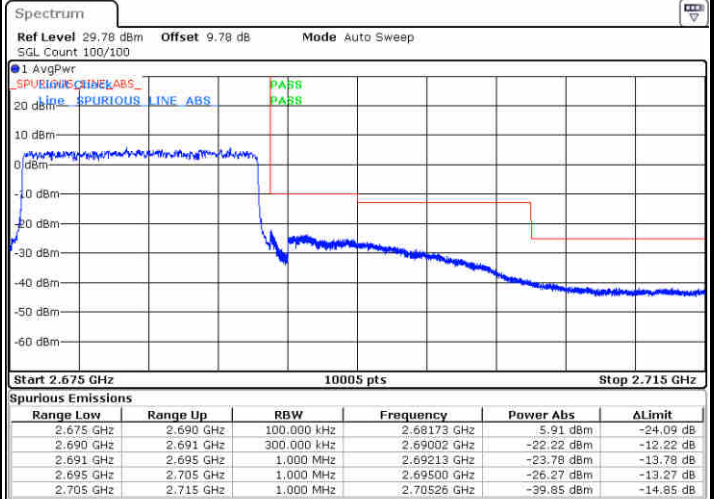
Date: 30.OCT.2019 14:47:52

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:45:05

Highest Band Edge / Full RB

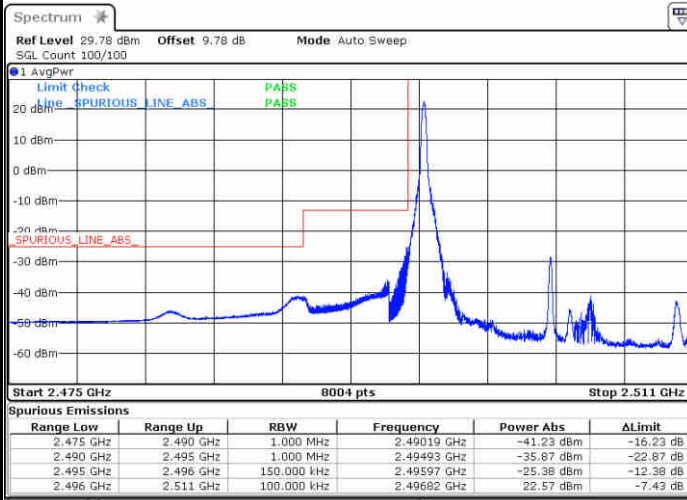


Date: 30.OCT.2019 14:45:28



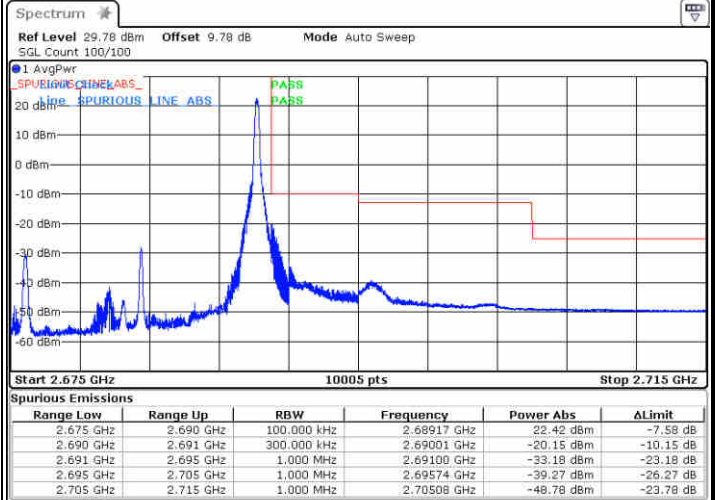
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



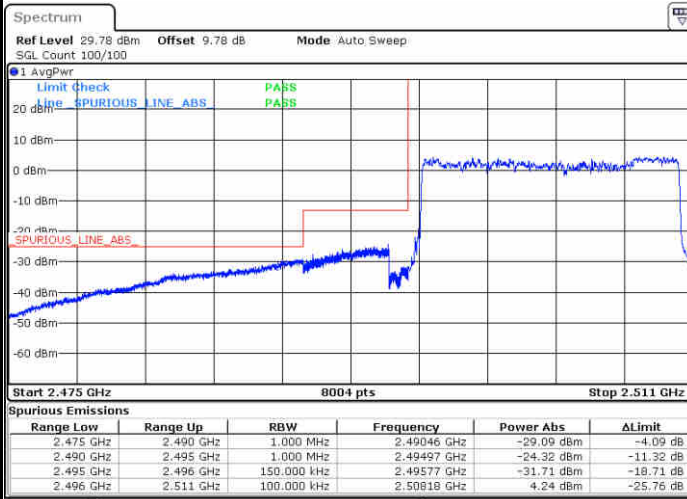
Date: 30.OCT.2019 14:43:49

Highest Band Edge / 1 RB



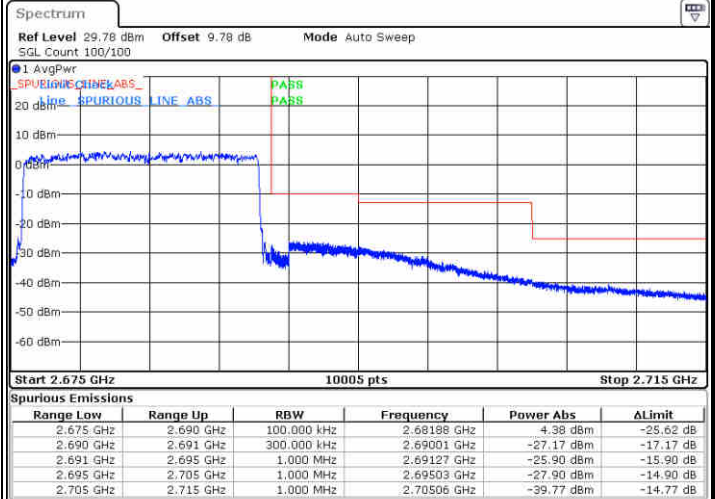
Date: 30.OCT.2019 14:47:07

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:44:48

Highest Band Edge / Full RB

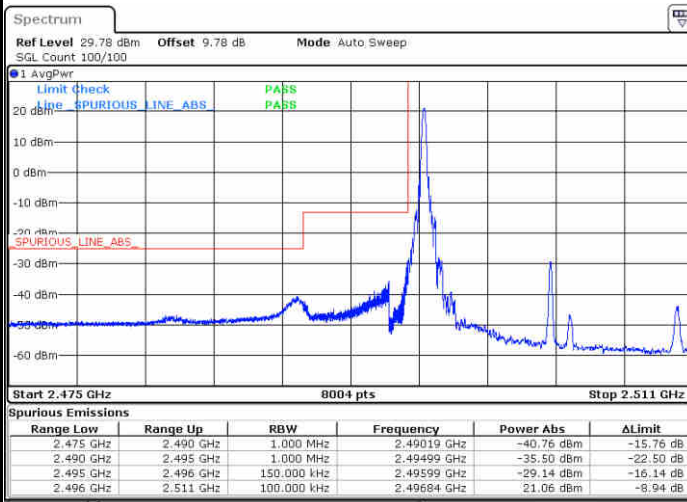


Date: 30.OCT.2019 14:45:45



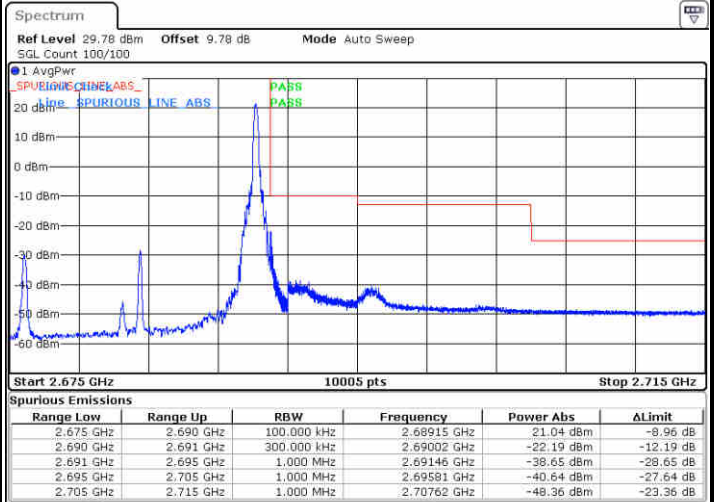
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



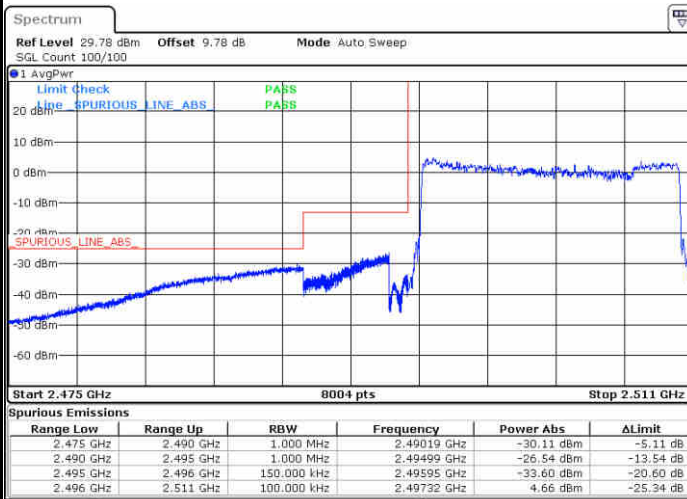
Date: 30.OCT.2019 14:44:11

Highest Band Edge / 1 RB



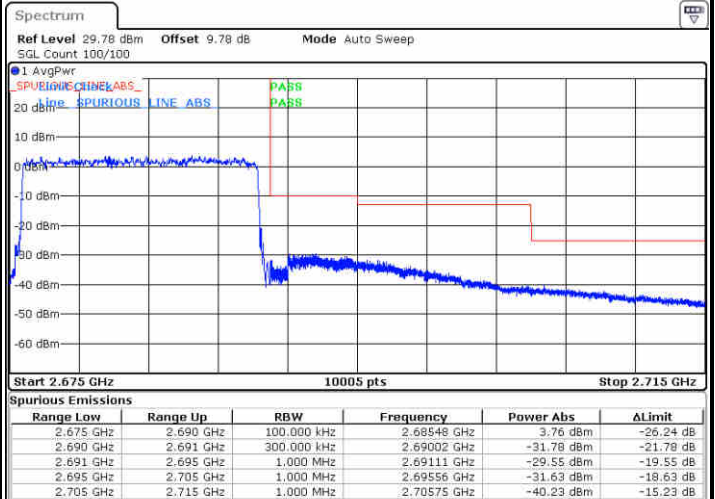
Date: 30.OCT.2019 14:46:23

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:44:32

Highest Band Edge / Full RB

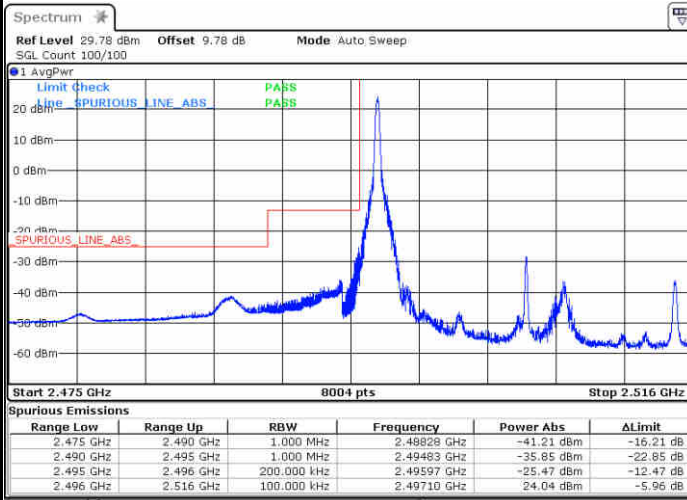


Date: 30.OCT.2019 14:46:07



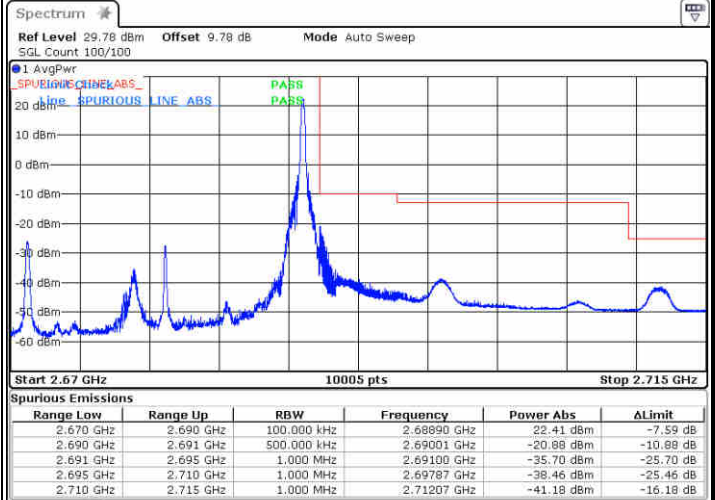
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



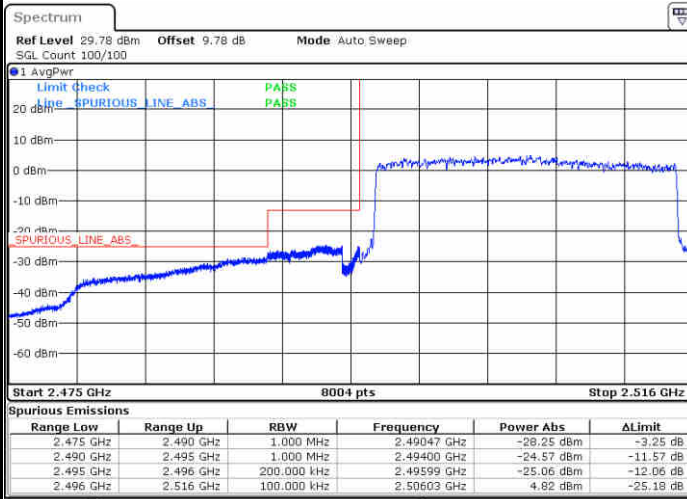
Date: 30.OCT.2019 14:56:20

Highest Band Edge / 1 RB



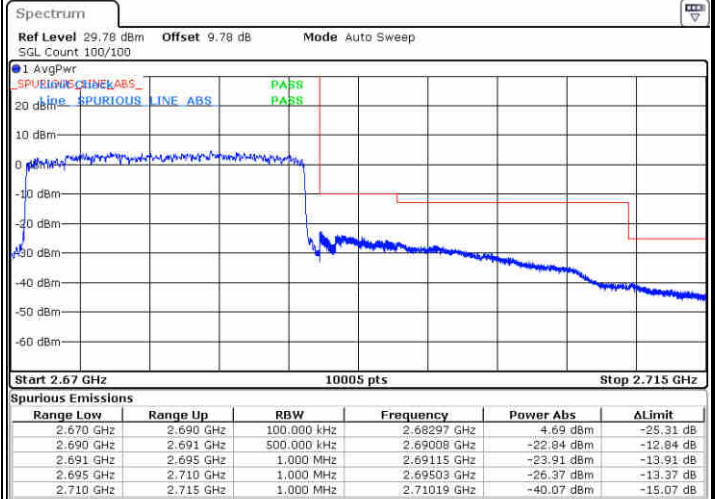
Date: 30.OCT.2019 15:00:59

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:58:15

Highest Band Edge / Full RB

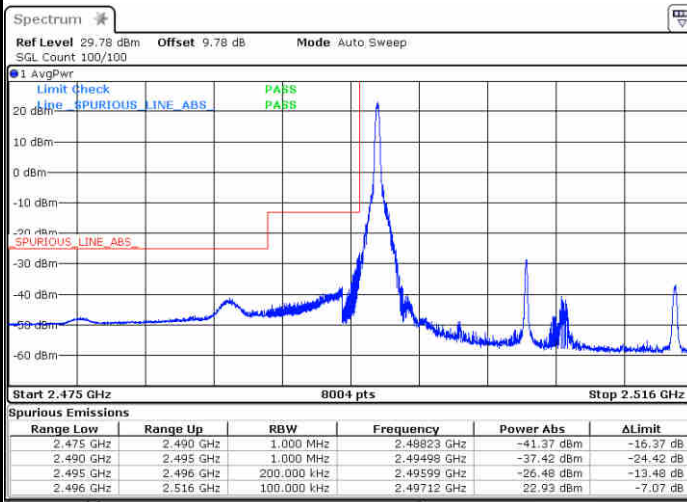


Date: 30.OCT.2019 14:58:43



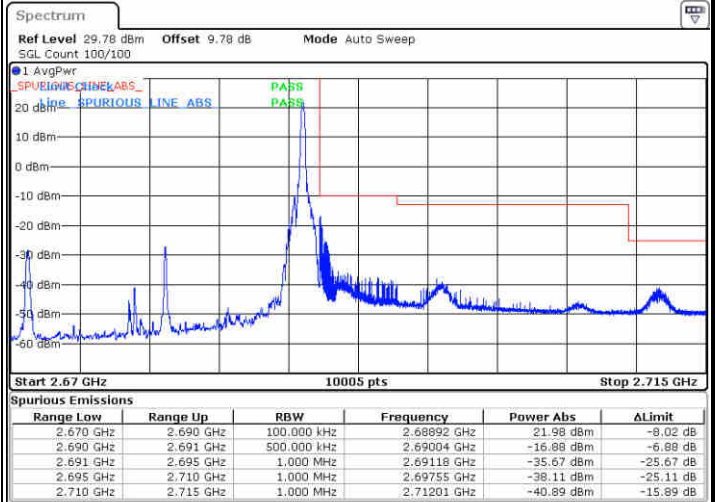
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



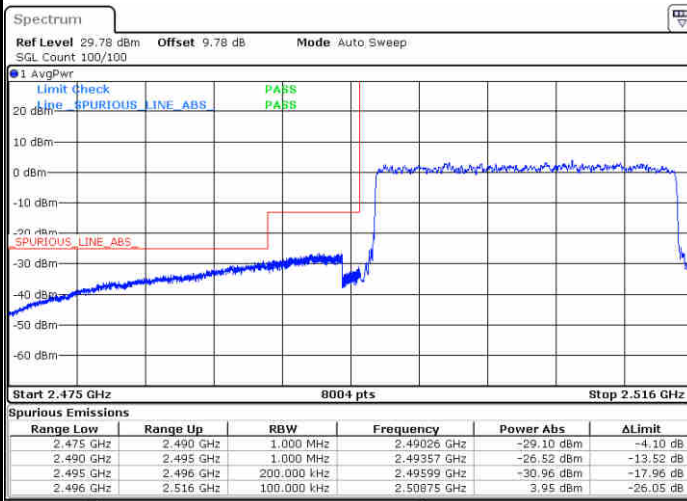
Date: 30.OCT.2019 14:56:58

Highest Band Edge / 1 RB



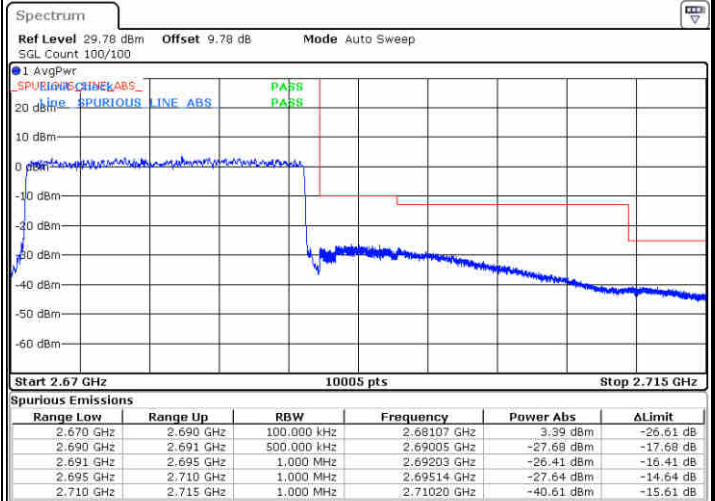
Date: 30.OCT.2019 14:59:57

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:57:51

Highest Band Edge / Full RB

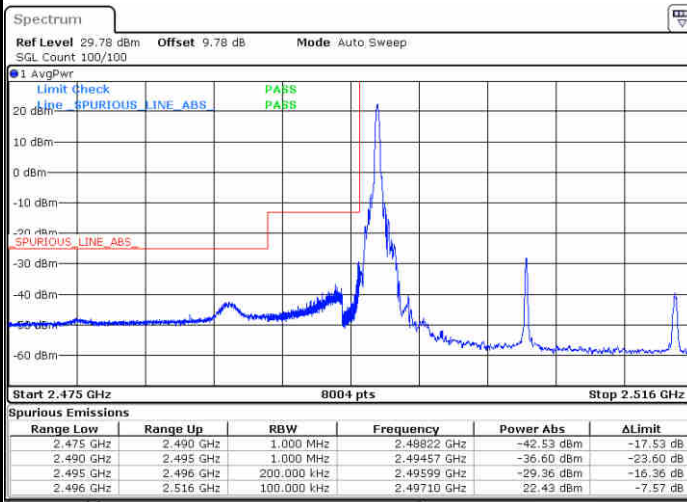


Date: 30.OCT.2019 14:59:02



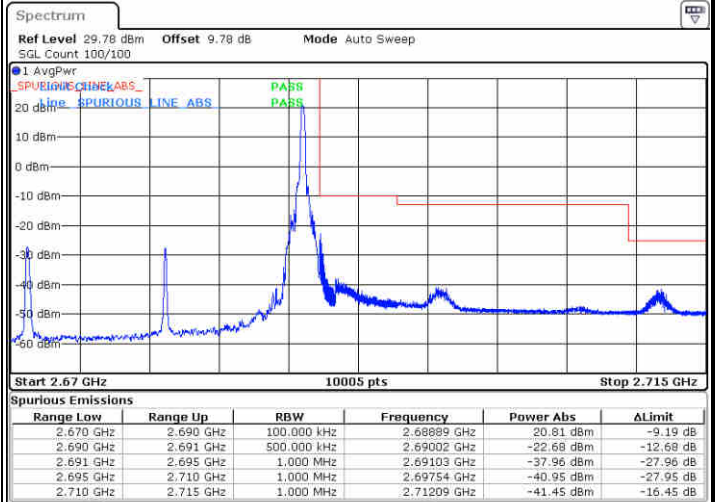
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



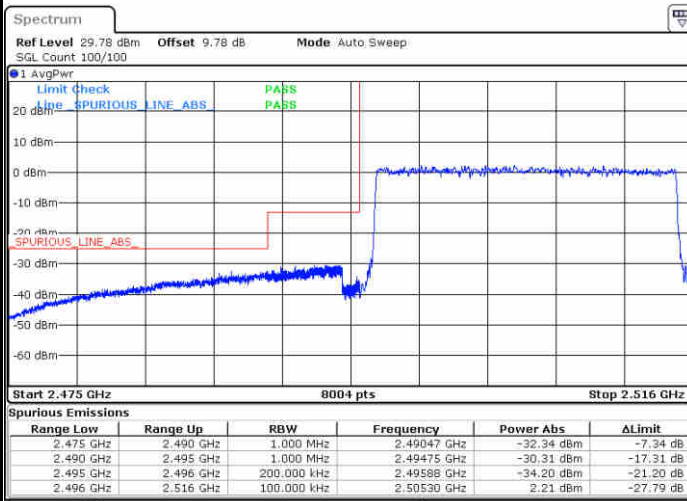
Date: 30.OCT.2019 14:57:14

Highest Band Edge / 1 RB



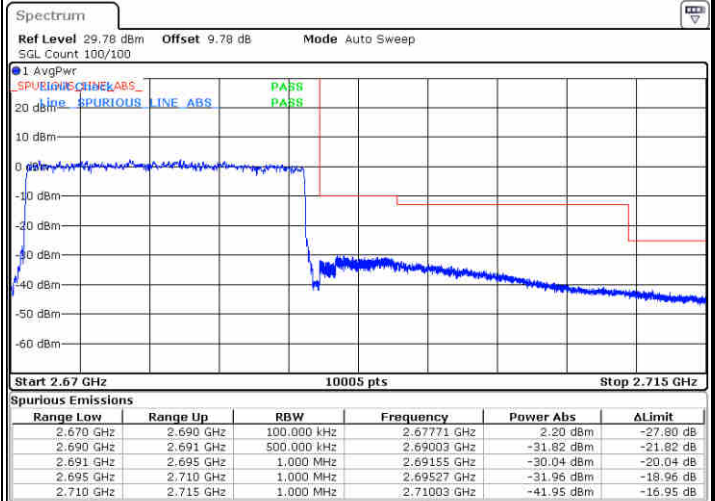
Date: 30.OCT.2019 14:59:37

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:57:36

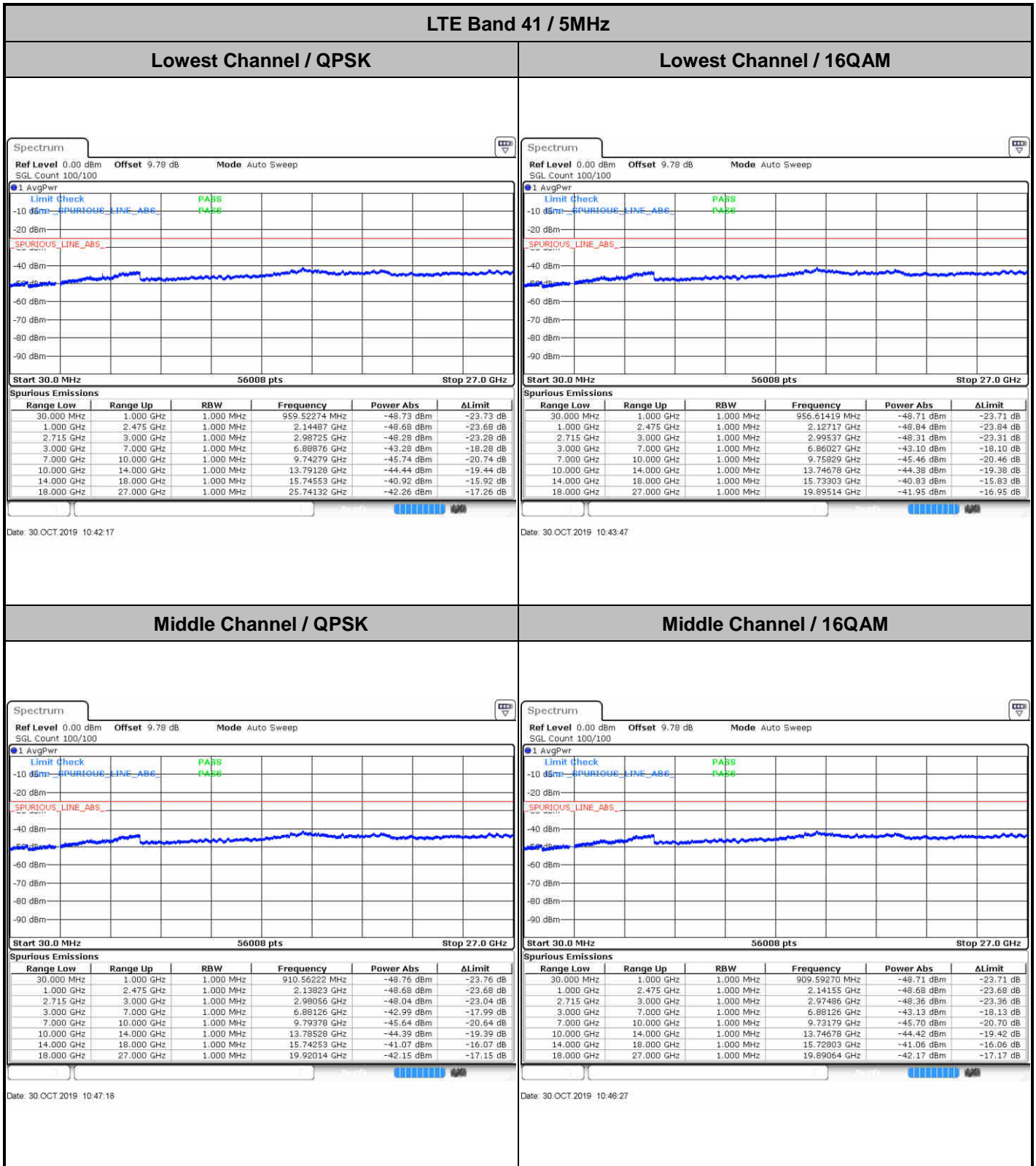
Highest Band Edge / Full RB



Date: 30.OCT.2019 14:59:18



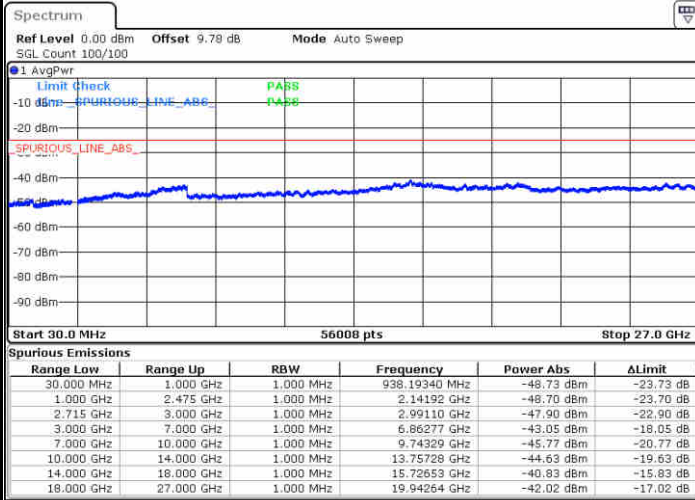
Conducted Spurious Emission





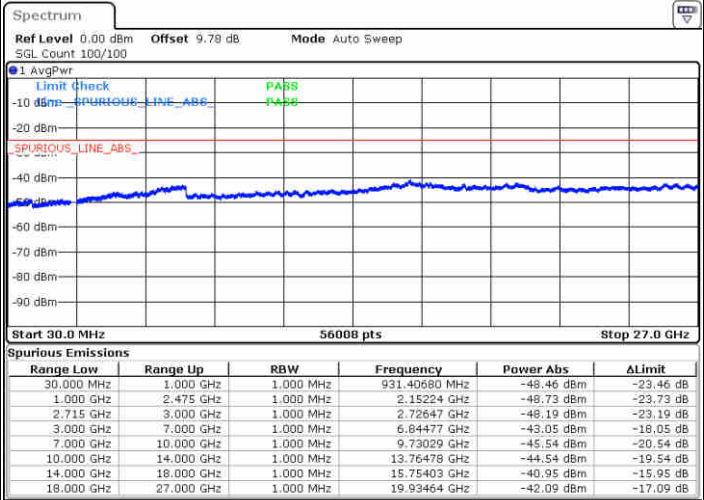
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 30.OCT.2019 10:48:12

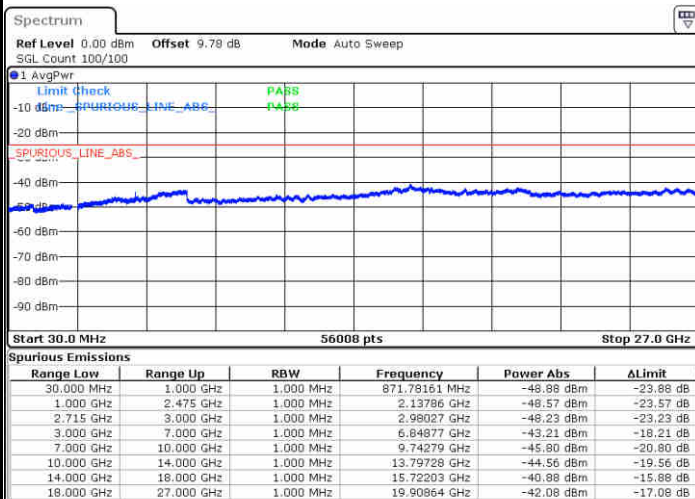
Highest Channel / 16QAM



Date: 30.OCT.2019 10:49:01

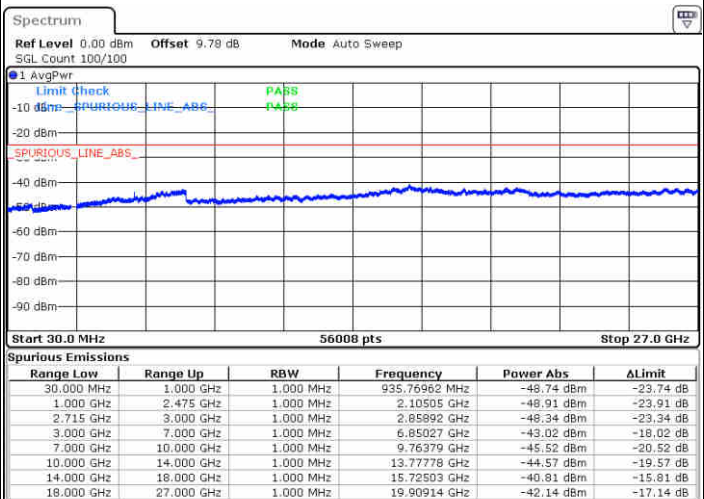
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 30.OCT.2019 14:34:58

Lowest Channel / 16QAM



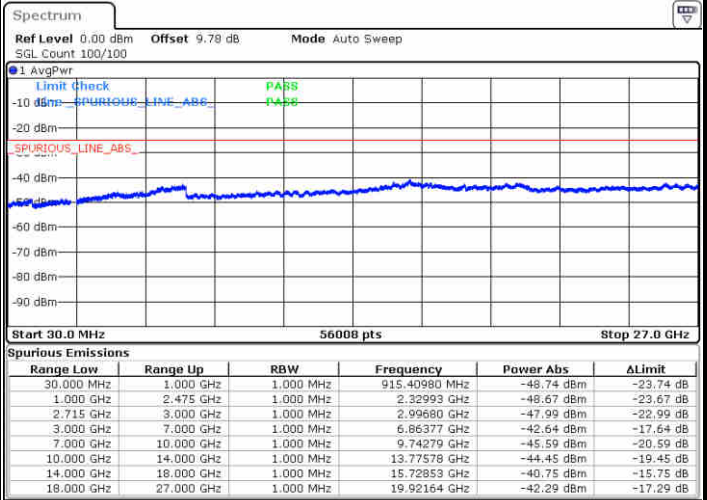
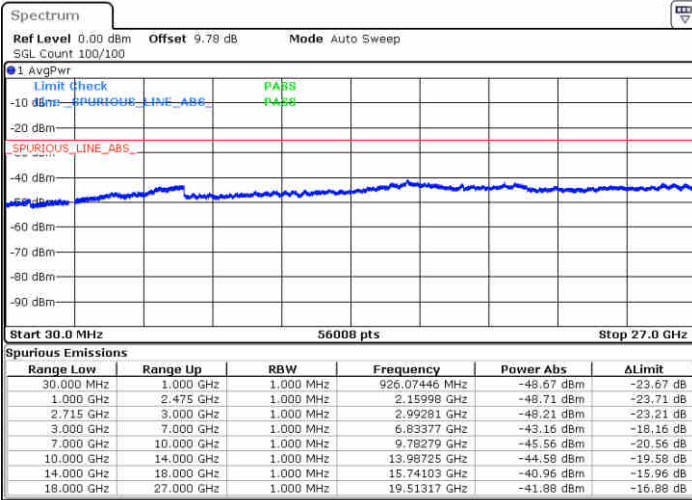
Date: 30.OCT.2019 14:35:50



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

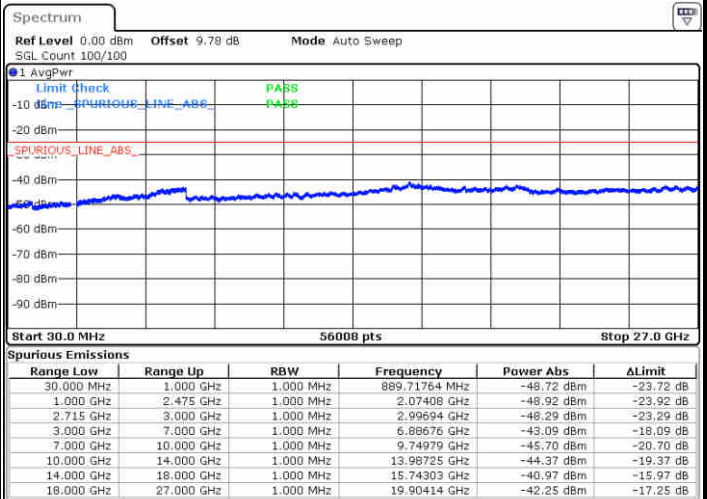
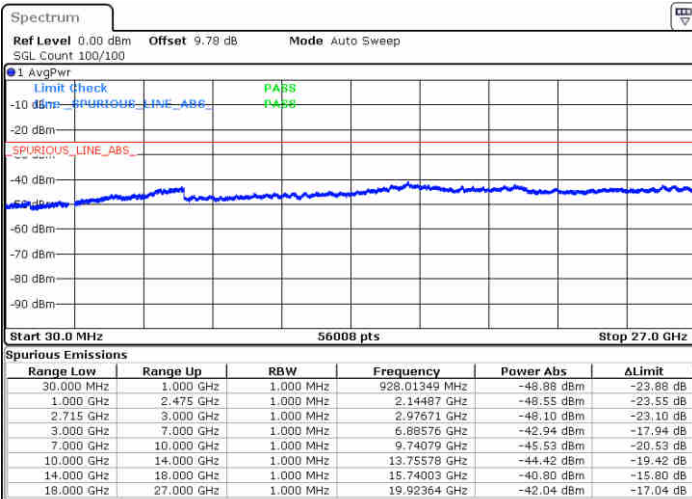


Date: 30.OCT.2019 14:39:16

Date: 30.OCT.2019 14:38:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.OCT.2019 14:40:10

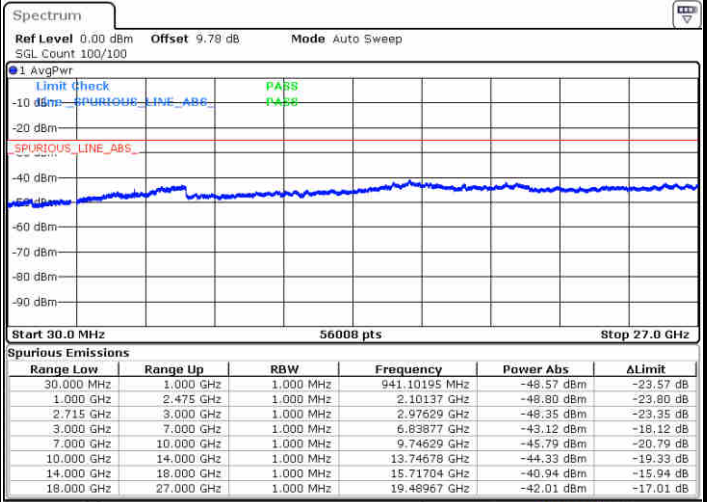
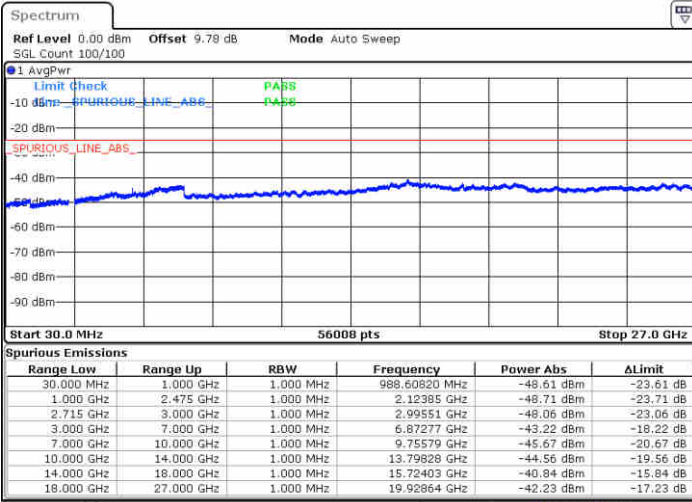
Date: 30.OCT.2019 14:41:00



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

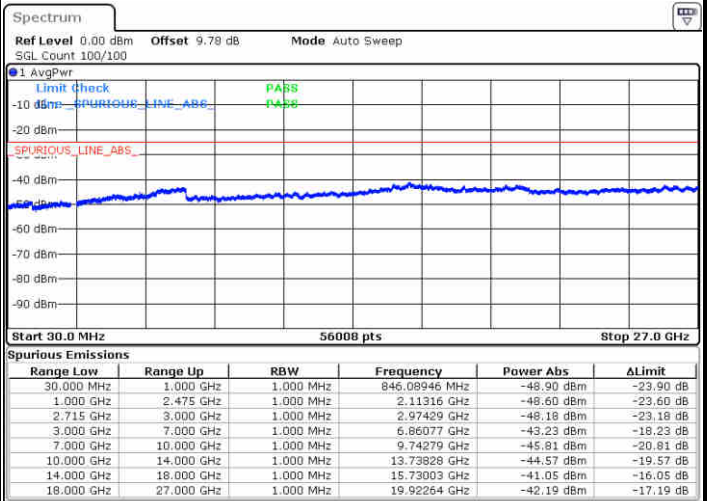
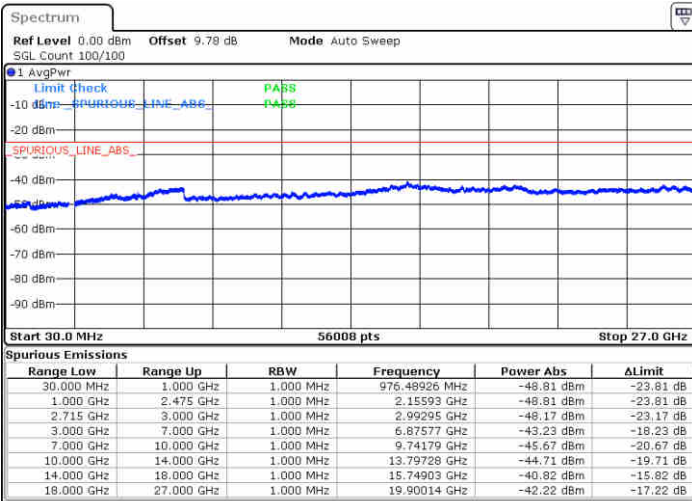


Date: 30.OCT.2019 14:48:48

Date: 30.OCT.2019 14:49:37

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 30.OCT.2019 14:52:59

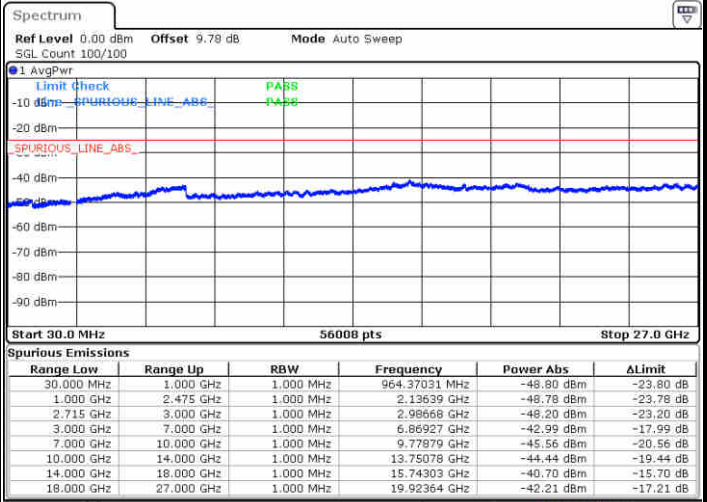
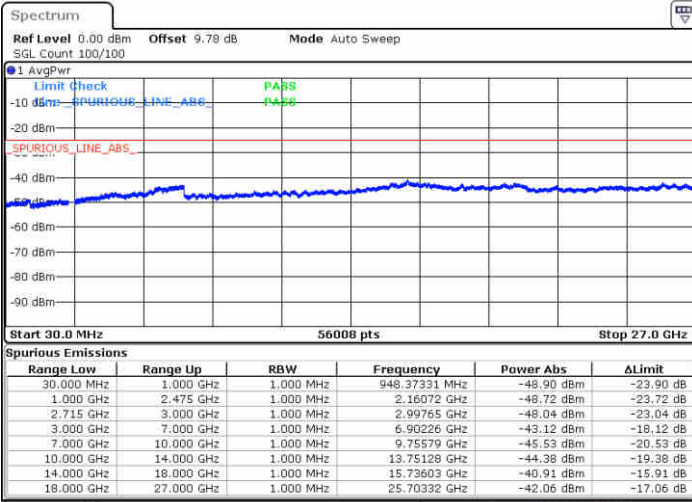
Date: 30.OCT.2019 14:52:09



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



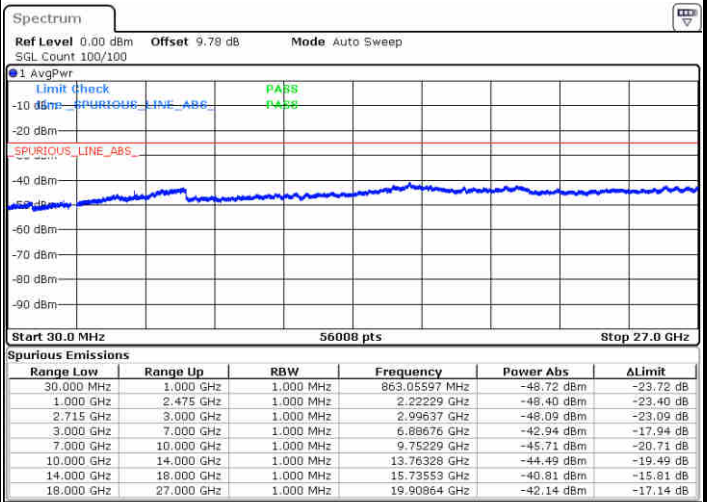
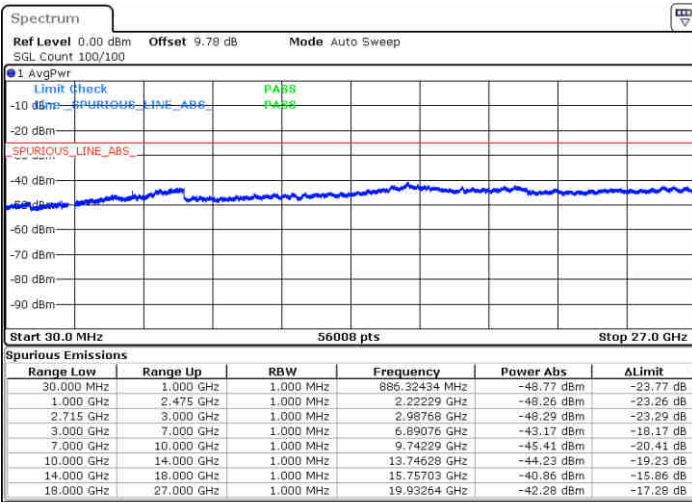
Date: 30.OCT.2019 14:53:51

Date: 30.OCT.2019 14:54:42

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



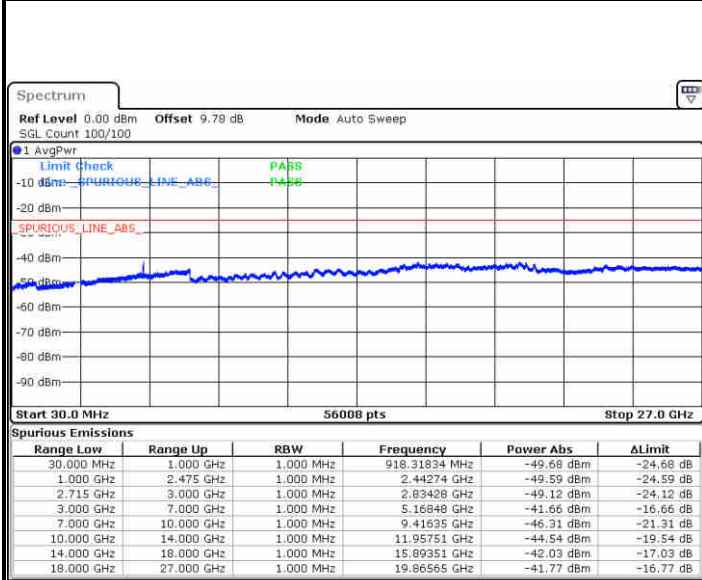
Date: 30.OCT.2019 15:02:03

Date: 30.OCT.2019 15:02:51



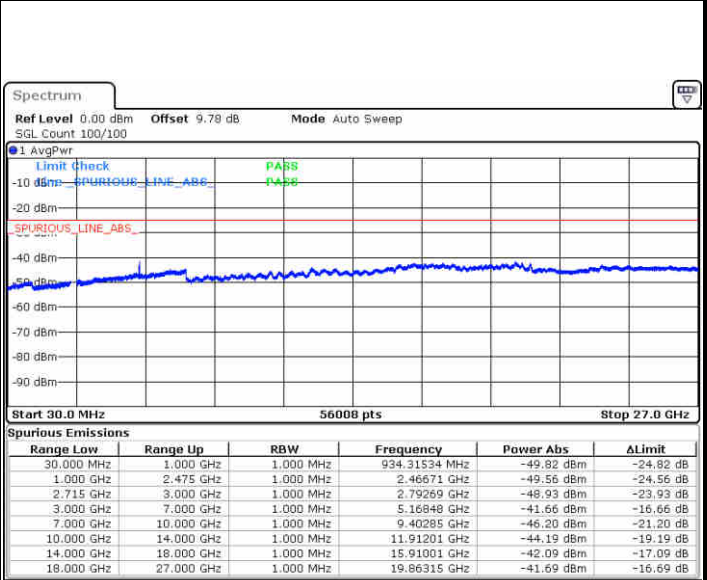
LTE Band 41 / 20MHz

Middle Channel / QPSK



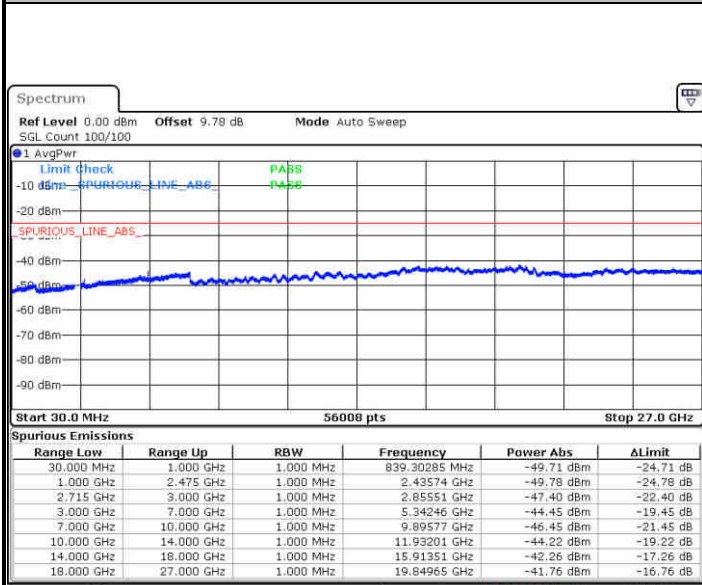
Date: 30.OCT.2019 15:20:20

Middle Channel / 16QAM



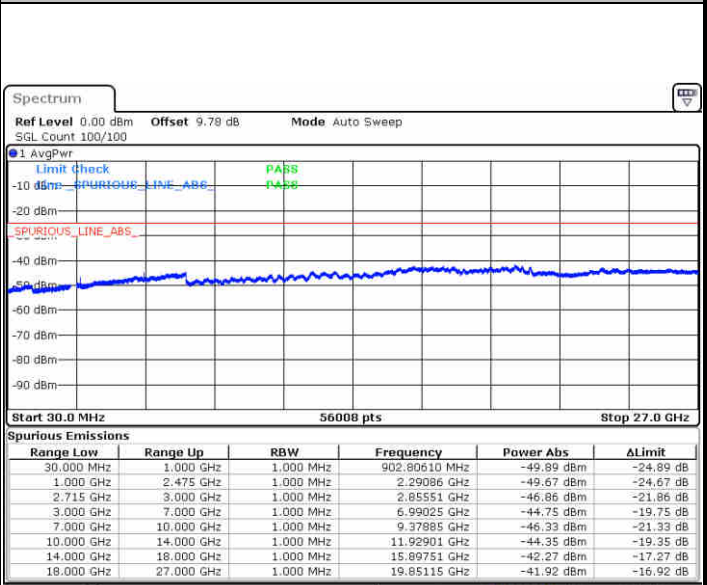
Date: 30.OCT.2019 15:19:23

Highest Channel / QPSK



Date: 30.OCT.2019 15:21:14

Highest Channel / 16QAM



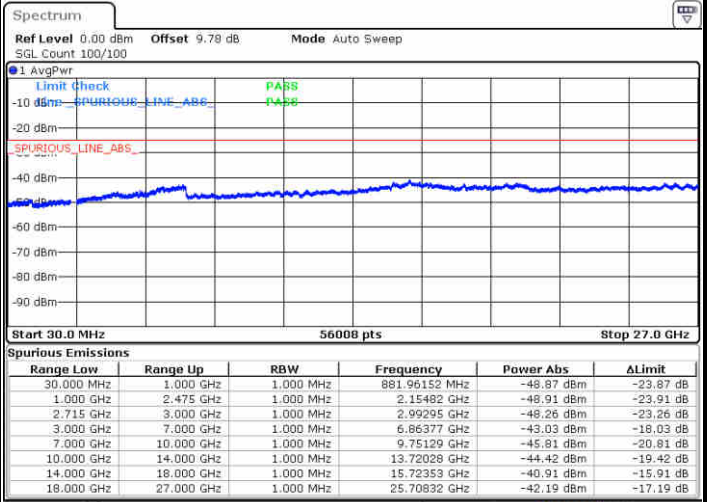
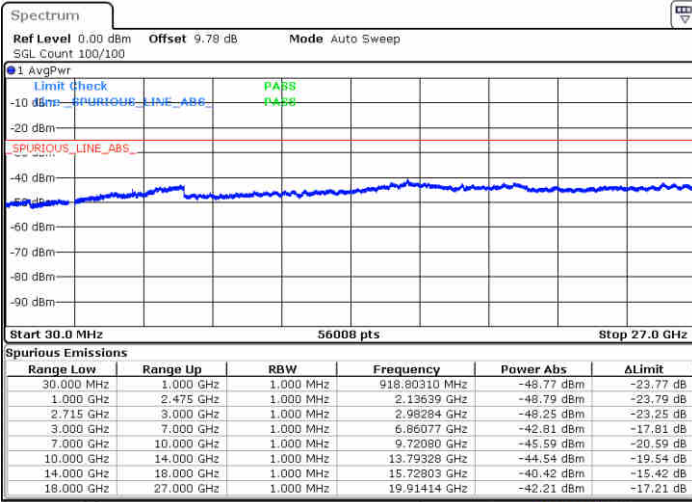
Date: 30.OCT.2019 15:22:07



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

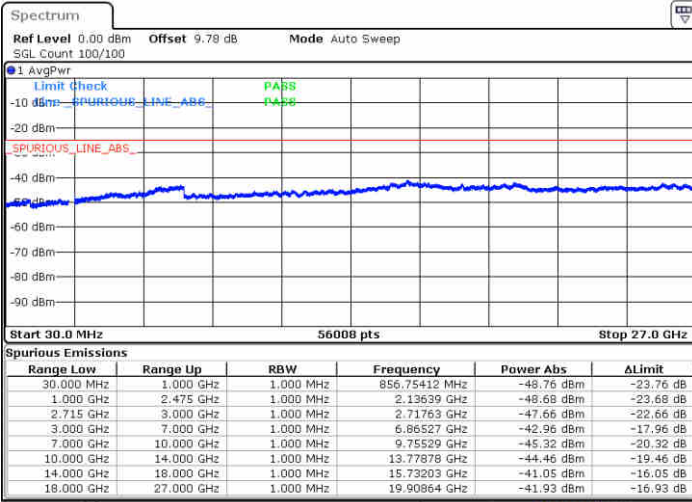
Middle Channel / 64QAM



Date: 30.OCT.2019 10:44:37

Date: 30.OCT.2019 10:45:35

Highest Channel / 64QAM



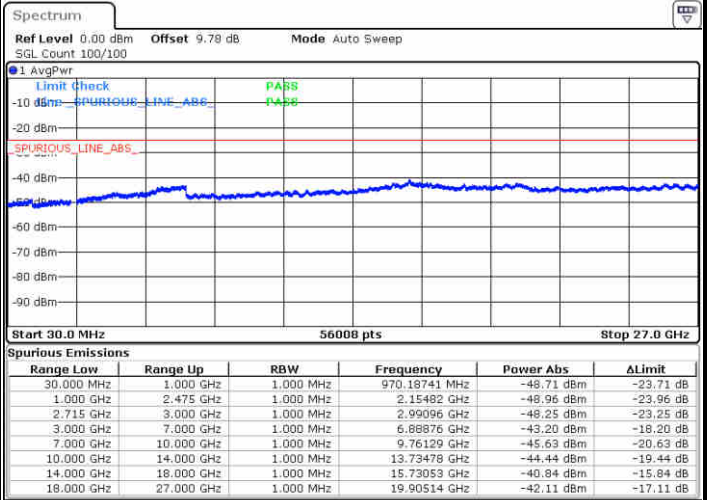
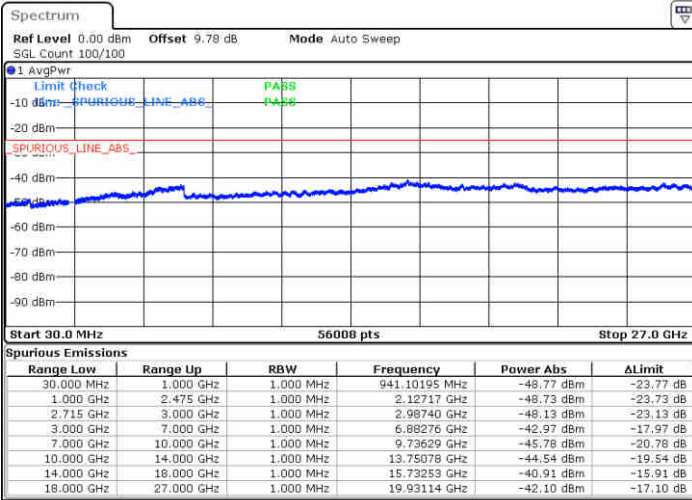
Date: 30.OCT.2019 10:49:56



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

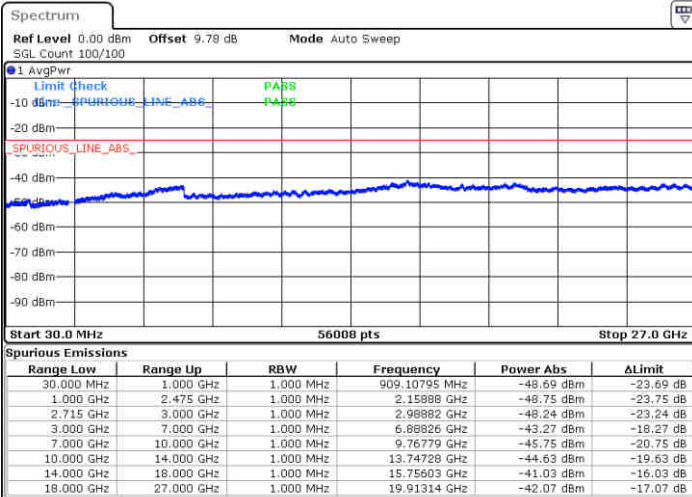
Middle Channel / 64QAM



Date: 30.OCT.2019 14:36:42

Date: 30.OCT.2019 14:37:30

Highest Channel / 64QAM



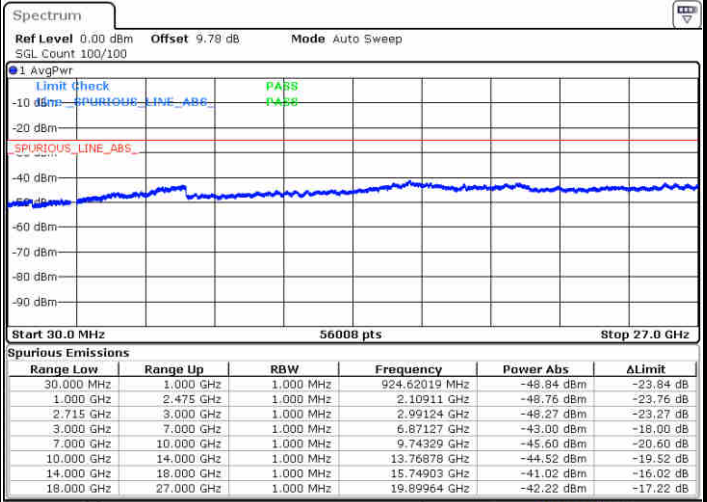
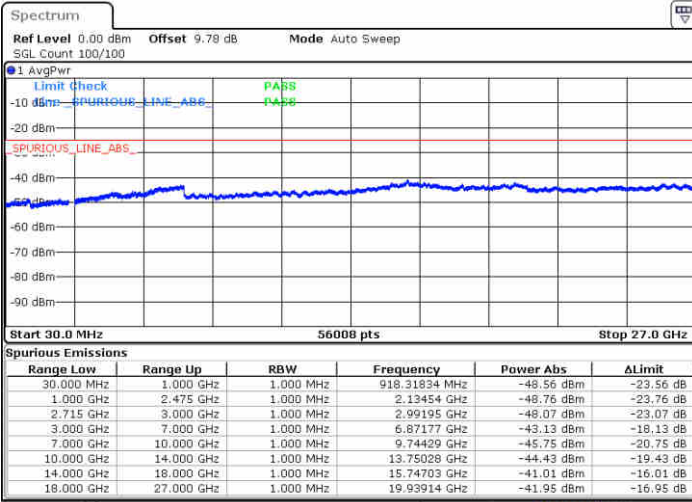
Date: 30.OCT.2019 14:41:51



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

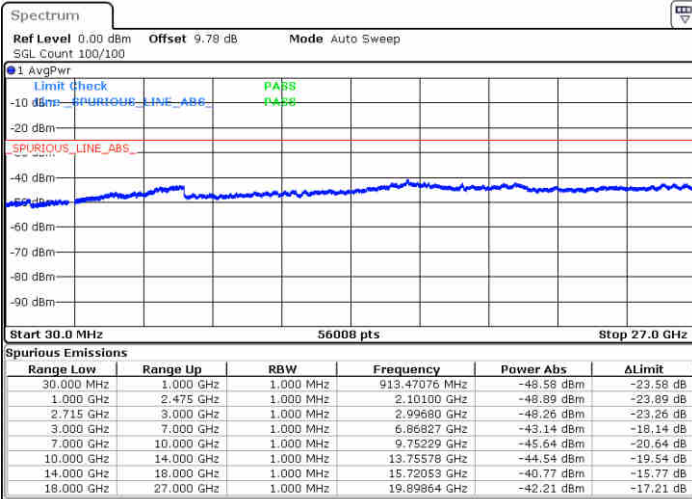
Middle Channel / 64QAM



Date: 30.OCT.2019 14:50:27

Date: 30.OCT.2019 14:51:17

Highest Channel / 64QAM



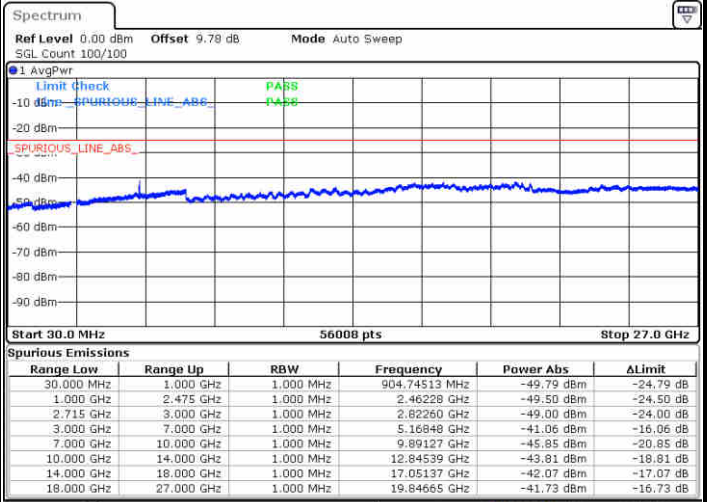
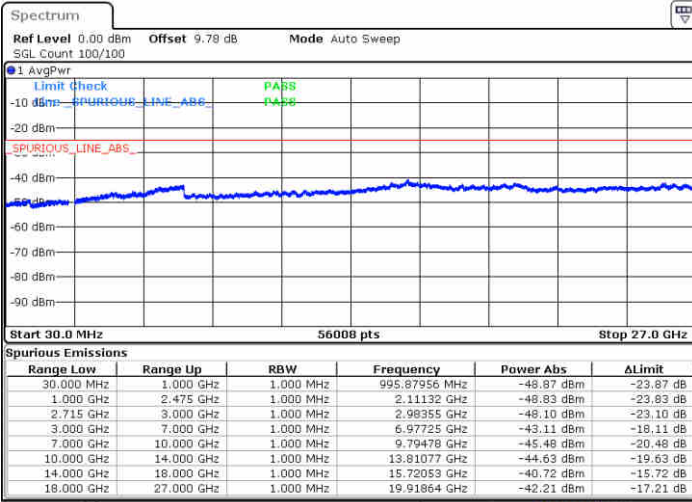
Date: 30.OCT.2019 14:55:33



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

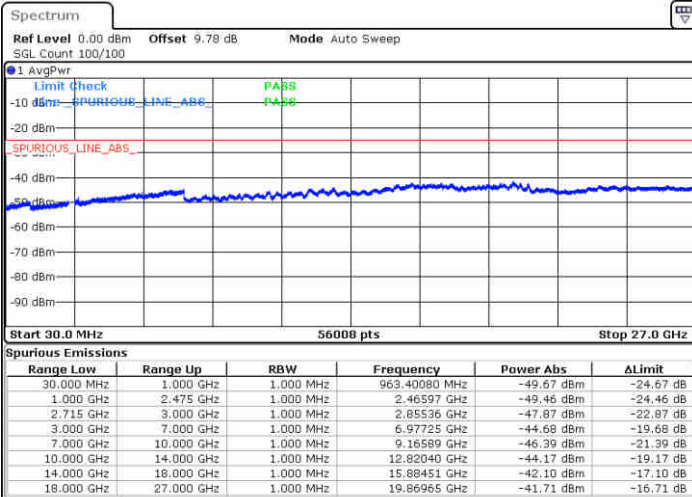
Middle Channel / 64QAM



Date: 30.OCT.2019 15:03:40

Date: 30.OCT.2019 15:17:44

Highest Channel / 64QAM



Date: 30.OCT.2019 15:23:04



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	0.0023	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.8 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 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	3.71	4.61	5.30	5.94	PASS
Middle CH	3.74	4.55	5.22	5.88	
Highest CH	3.59	4.67	5.07	6.03	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.96	6.64	PASS		
Middle CH	6.32	6.61			
Highest CH	6.55	6.64			



LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 28.OCT.2019 23:55:14

Lowest Channel / Full RB



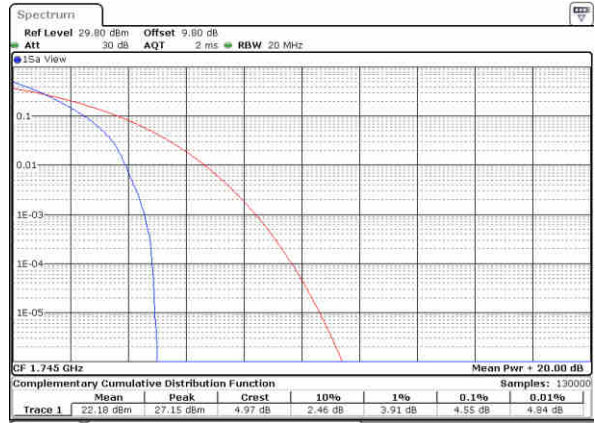
Date: 28.OCT.2019 23:49:44

Middle Channel / 1RB



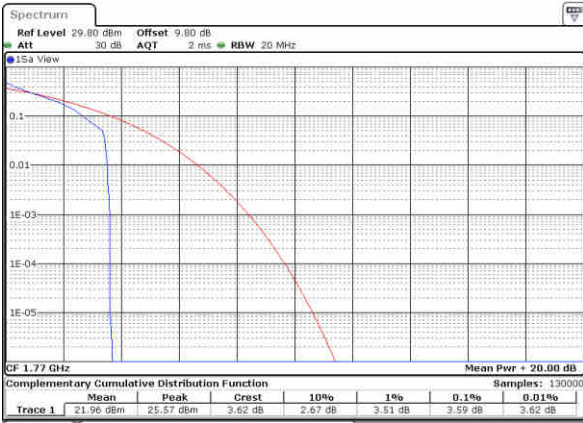
Date: 28.OCT.2019 23:59:17

Middle Channel / Full RB



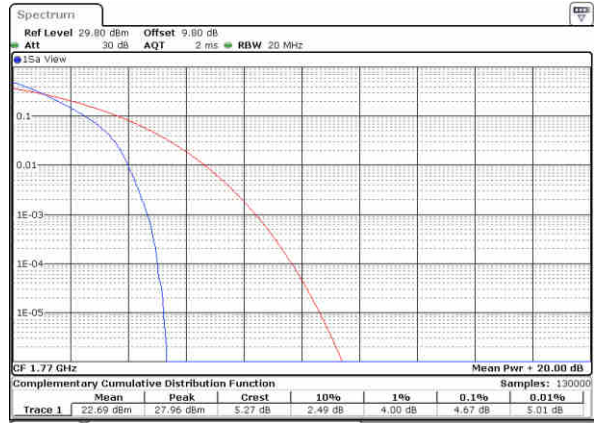
Date: 29.OCT.2019 00:00:05

Highest Channel / 1RB



Date: 28.OCT.2019 23:43:50

Highest Channel / Full RB

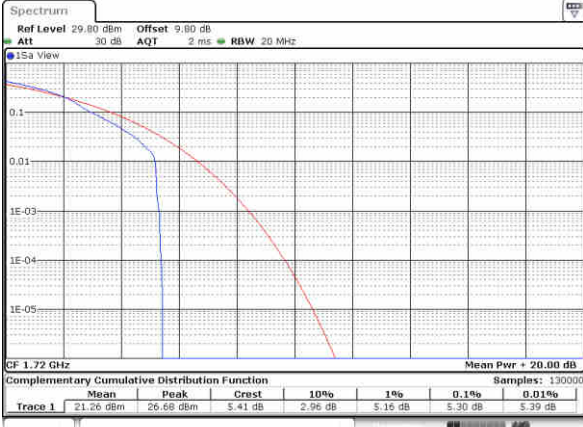


Date: 28.OCT.2019 23:45:59



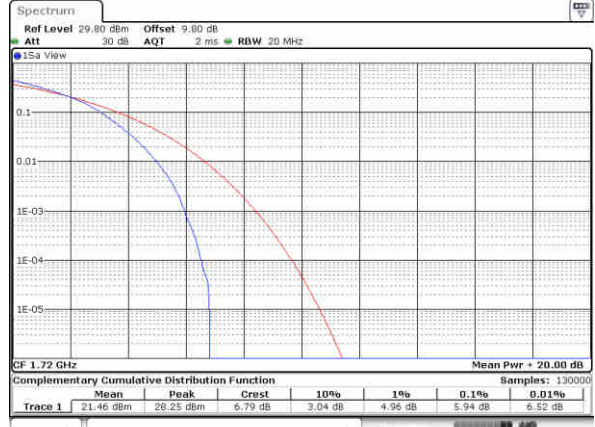
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



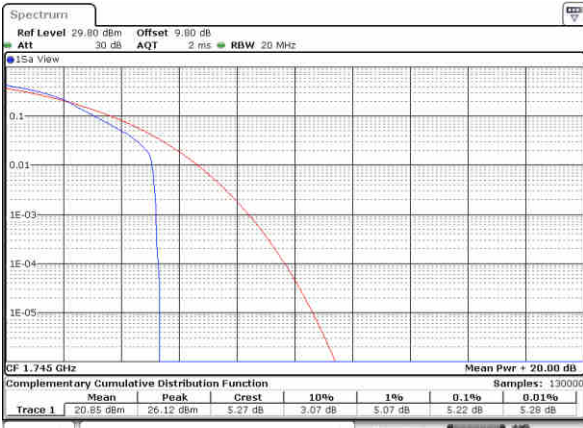
Date: 28.OCT.2019 23:52:48

Lowest Channel / Full RB



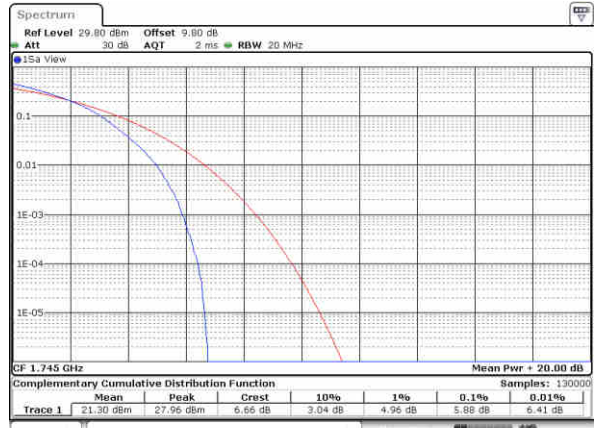
Date: 28.OCT.2019 23:50:21

Middle Channel / 1RB



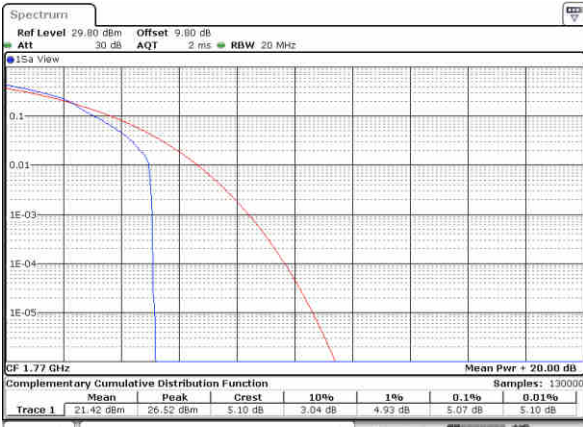
Date: 28.OCT.2019 23:58:27

Middle Channel / Full RB



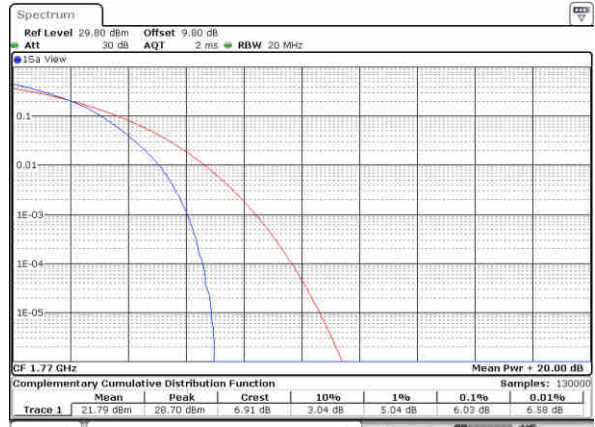
Date: 29.OCT.2019 00:00:31

Highest Channel / 1RB



Date: 28.OCT.2019 23:42:44

Highest Channel / Full RB

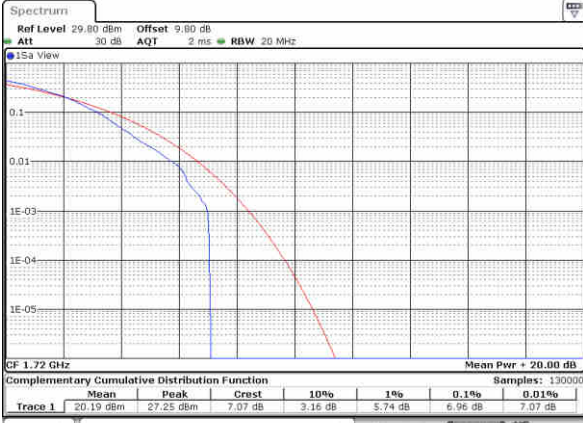


Date: 28.OCT.2019 23:46:15



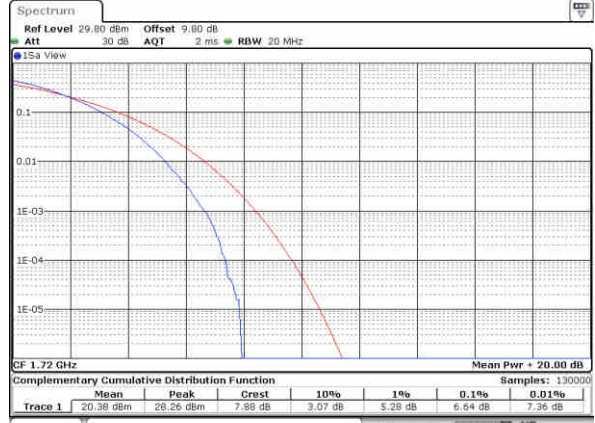
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



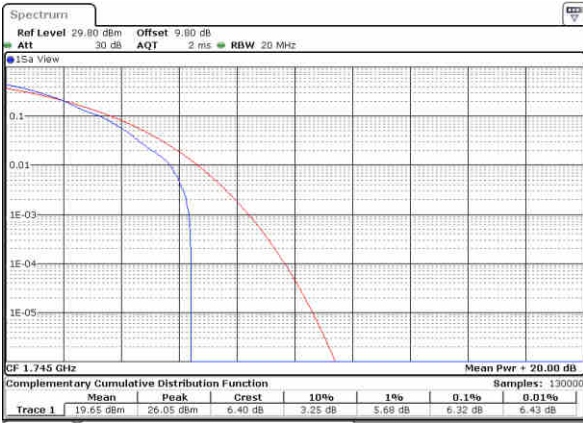
Date: 28.OCT.2019 23:51:43

Lowest Channel / Full RB



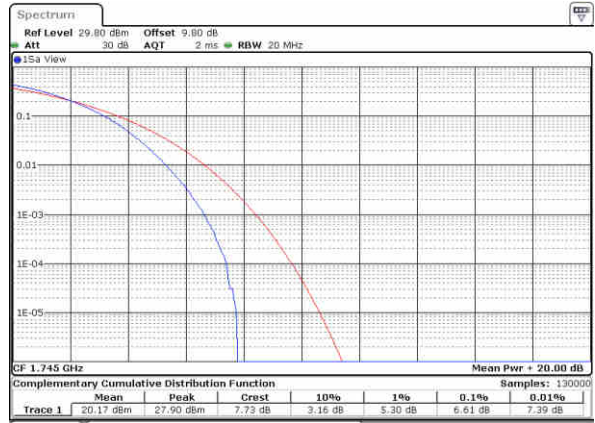
Date: 28.OCT.2019 23:51:00

Middle Channel / 1RB



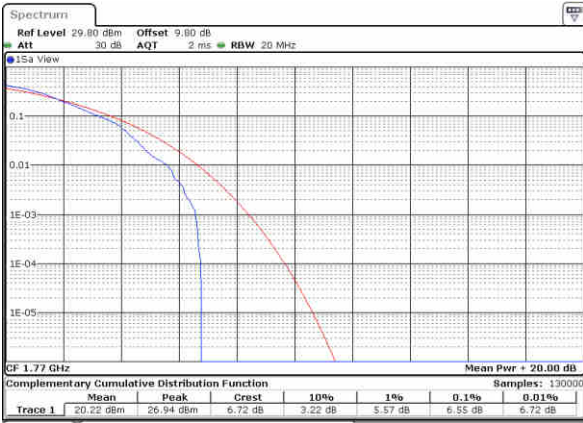
Date: 28.OCT.2019 23:58:09

Middle Channel / Full RB



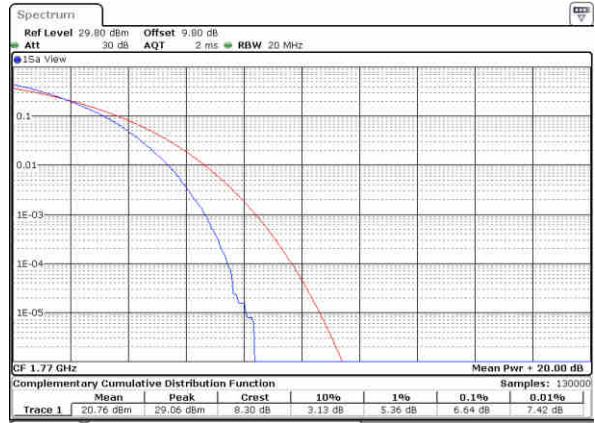
Date: 29.OCT.2019 00:00:57

Highest Channel / 1RB



Date: 28.OCT.2019 23:33:17

Highest Channel / Full RB



Date: 28.OCT.2019 23:46:59



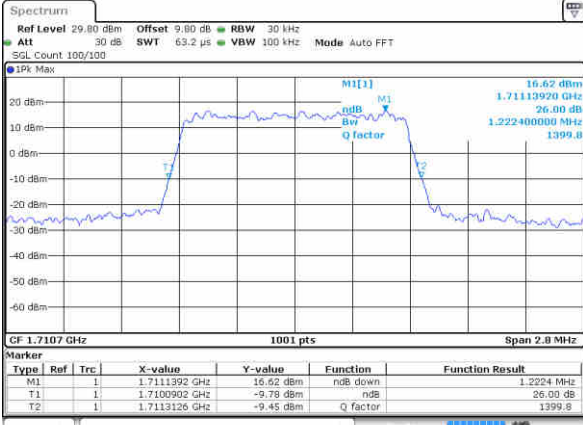
26dB Bandwidth

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	1.2224	1.2364	3.033	3.0749	4.845	4.915	9.89	9.71	14.476	14.296	20.34	20.18
Middle CH	1.2336	1.2084	3.021	3.0509	4.895	4.935	9.85	9.77	14.386	14.176	20.18	20.22
Highest CH	1.2196	1.2364	3.015	2.997	4.995	4.905	9.83	9.79	14.505	14.476	20.22	20.18
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2364		3.027		4.915		9.83		14.296		20.30	
Middle CH	1.2364		3.027		4.915		9.75		14.206		20.14	
Highest CH	1.2168		3.009		4.895		9.75		14.446		20.30	



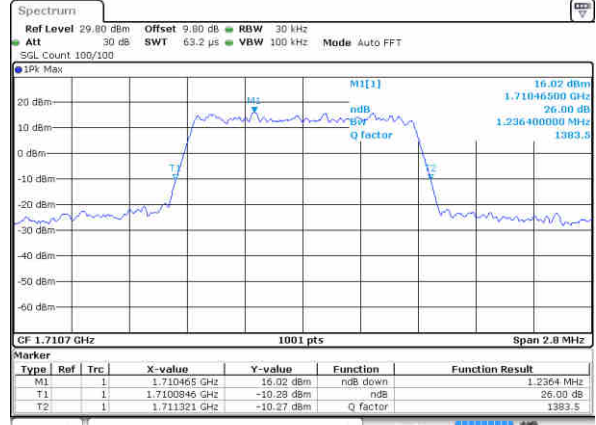
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



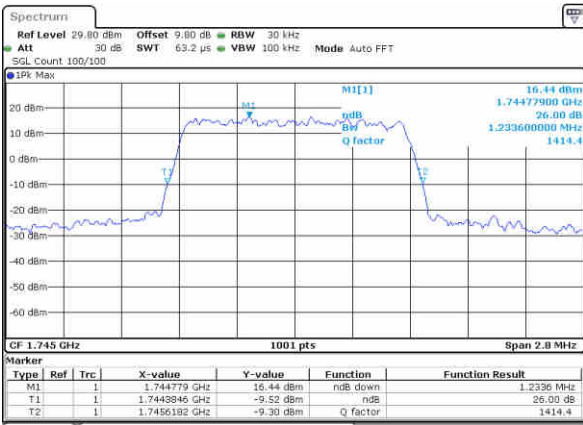
Date: 30.OCT.2019 20:41:01

Lowest Channel / 1.4MHz / 16QAM



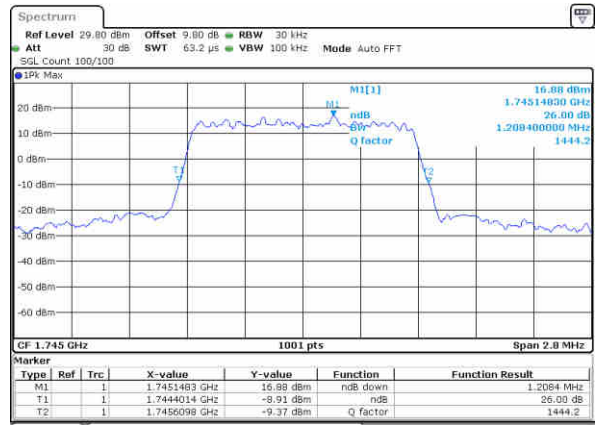
Date: 30.OCT.2019 20:39:36

Middle Channel / 1.4MHz / QPSK



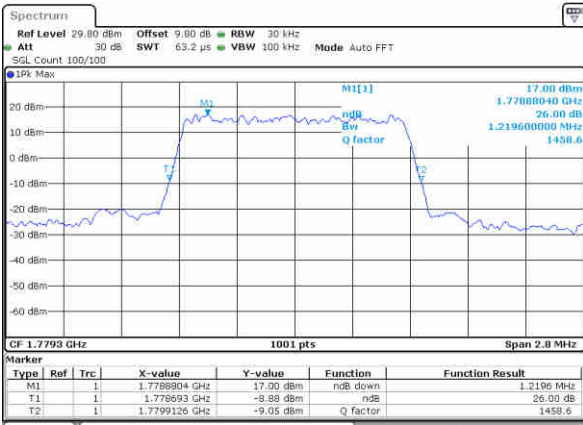
Date: 30.OCT.2019 20:10:20

Middle Channel / 1.4MHz / 16QAM



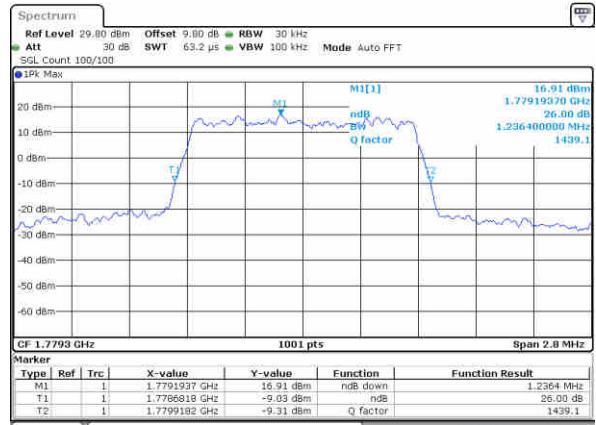
Date: 30.OCT.2019 20:10:41

Highest Channel / 1.4MHz / QPSK



Date: 30.OCT.2019 20:42:59

Highest Channel / 1.4MHz / 16QAM

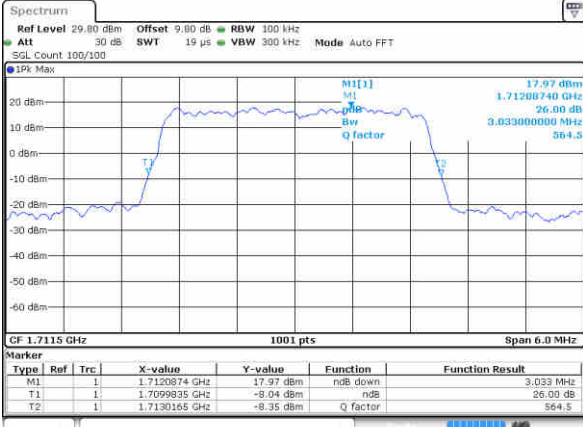


Date: 30.OCT.2019 20:44:28



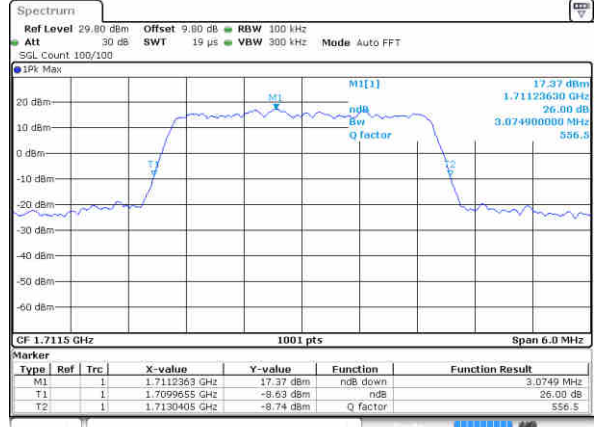
LTE Band 66

Lowest Channel / 3MHz / QPSK



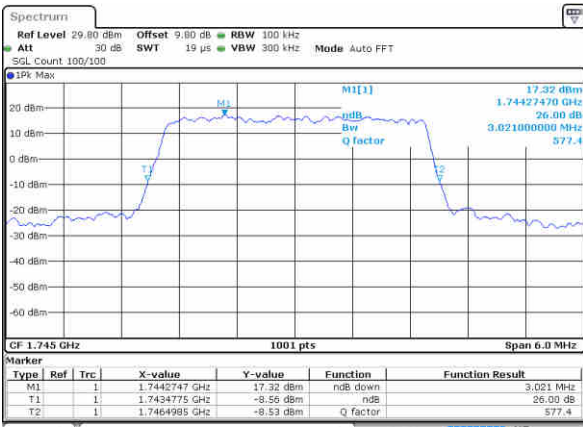
Date: 30.OCT.2019 19:58:06

Lowest Channel / 3MHz / 16QAM



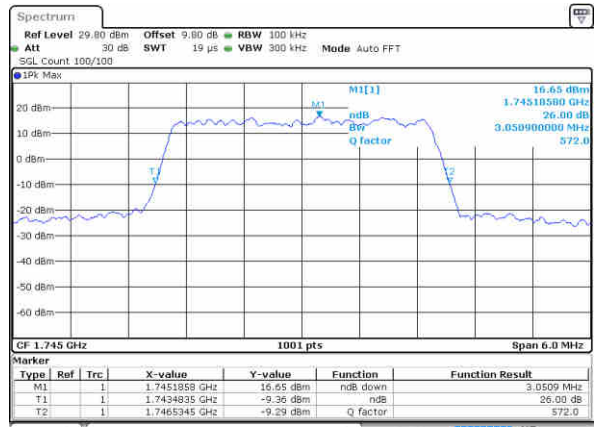
Date: 30.OCT.2019 19:59:01

Middle Channel / 3MHz / QPSK



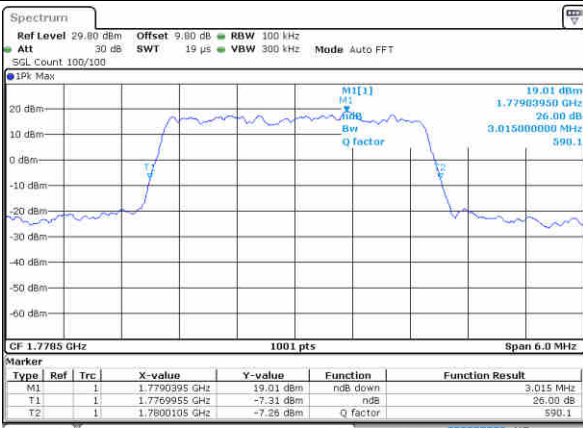
Date: 30.OCT.2019 19:49:13

Middle Channel / 3MHz / 16QAM



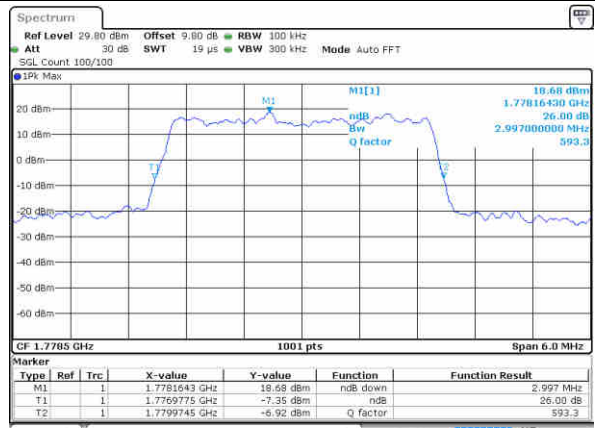
Date: 30.OCT.2019 19:48:47

Highest Channel / 3MHz / QPSK



Date: 30.OCT.2019 20:03:23

Highest Channel / 3MHz / 16QAM

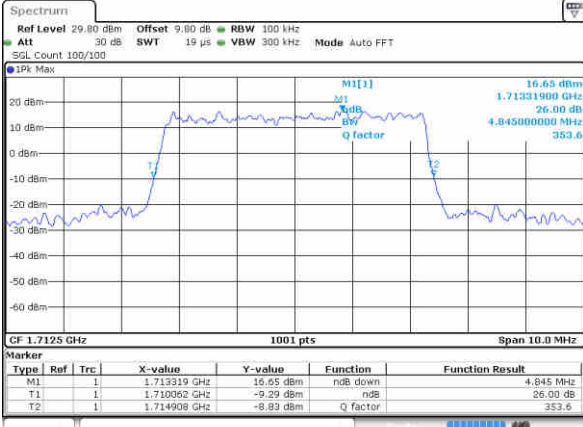


Date: 30.OCT.2019 20:02:28



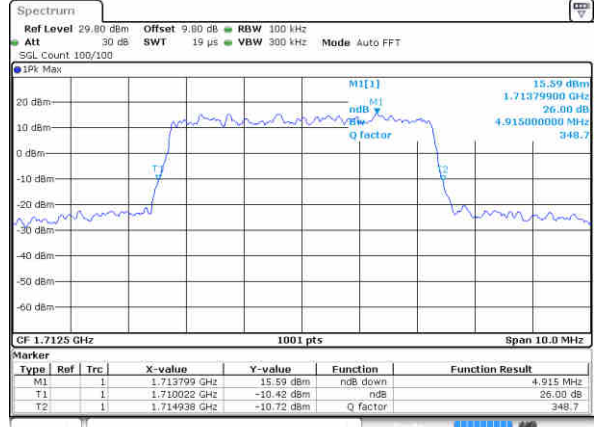
LTE Band 66

Lowest Channel / 5MHz / QPSK



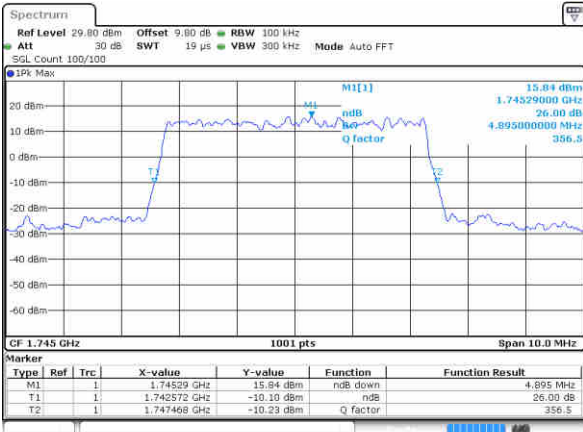
Date: 30.OCT.2019 19:39:30

Lowest Channel / 5MHz / 16QAM



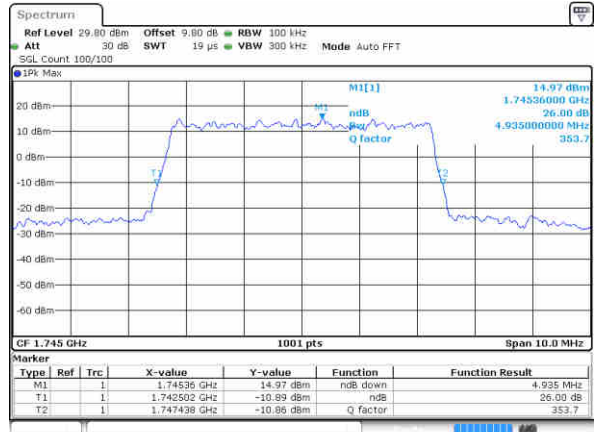
Date: 30.OCT.2019 19:38:56

Middle Channel / 5MHz / QPSK



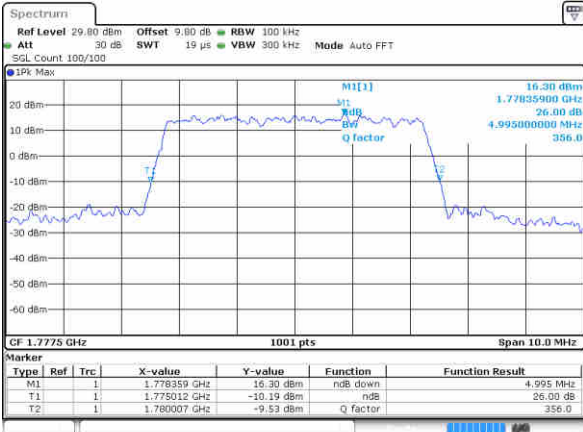
Date: 30.OCT.2019 19:14:34

Middle Channel / 5MHz / 16QAM



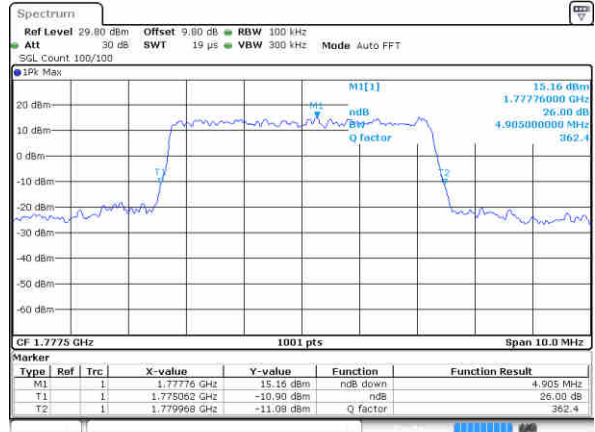
Date: 30.OCT.2019 19:14:52

Highest Channel / 5MHz / QPSK



Date: 30.OCT.2019 19:41:11

Highest Channel / 5MHz / 16QAM

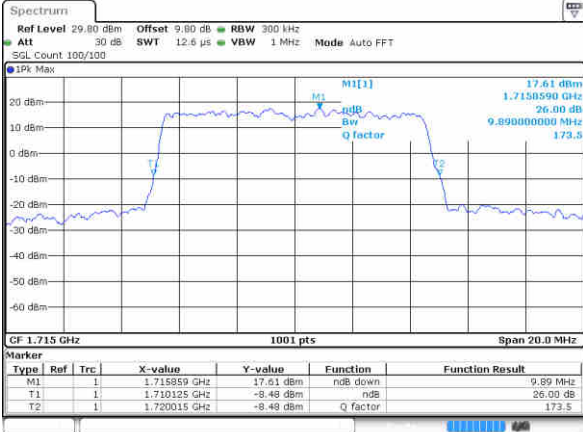


Date: 30.OCT.2019 19:41:48



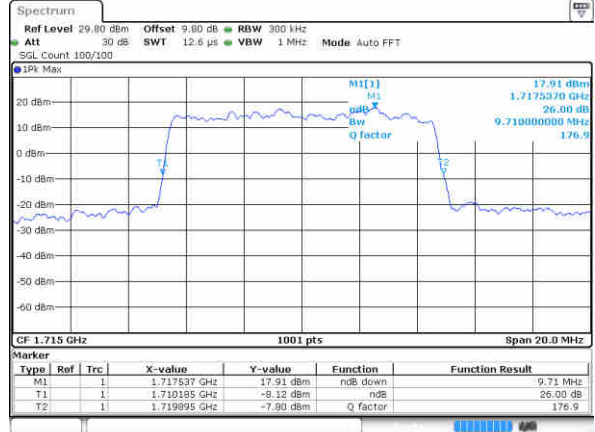
LTE Band 66

Lowest Channel / 10MHz / QPSK



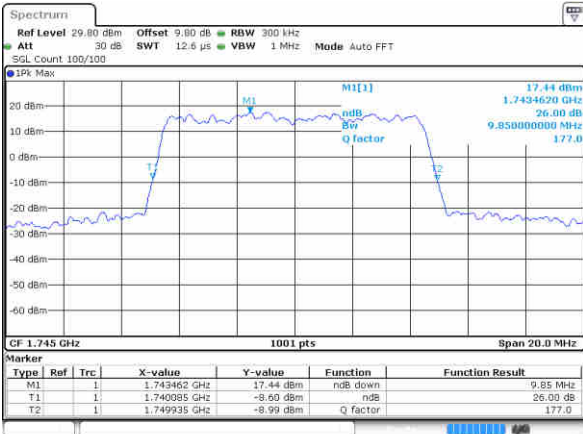
Date: 29 OCT 2019 01:04:44

Lowest Channel / 10MHz / 16QAM



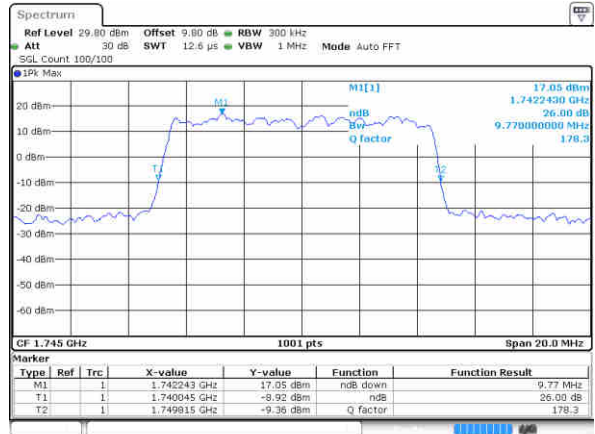
Date: 29 OCT 2019 01:04:01

Middle Channel / 10MHz / QPSK



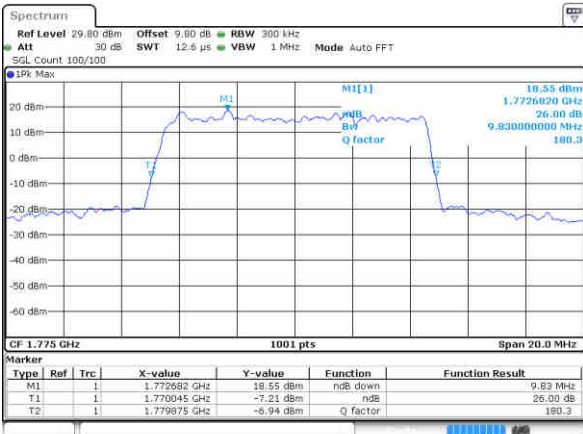
Date: 29 OCT 2019 00:53:59

Middle Channel / 10MHz / 16QAM



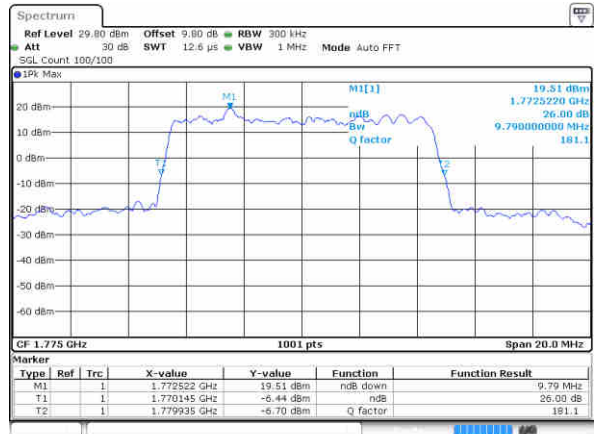
Date: 29 OCT 2019 00:55:21

Highest Channel / 10MHz / QPSK



Date: 29 OCT 2019 01:08:01

Highest Channel / 10MHz / 16QAM

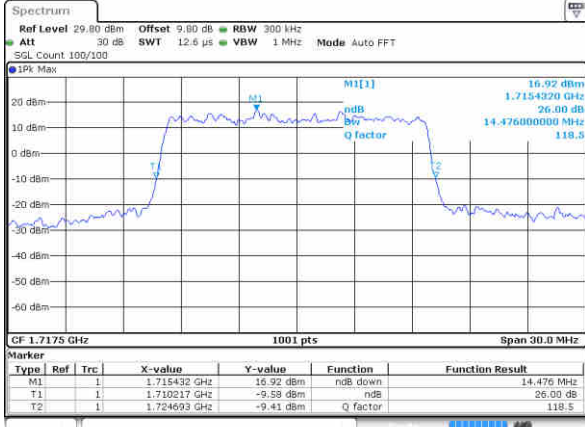


Date: 29 OCT 2019 01:08:42



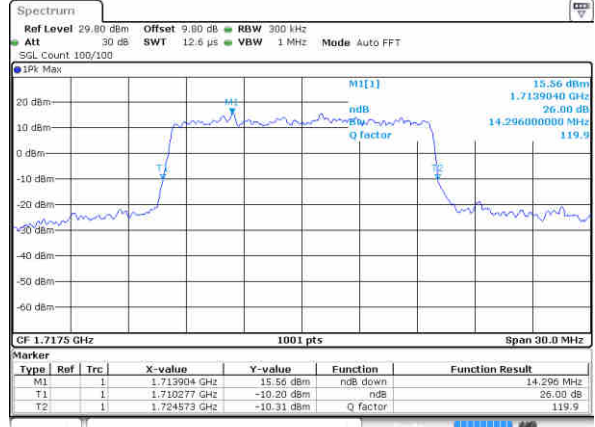
LTE Band 66

Lowest Channel / 15MHz / QPSK



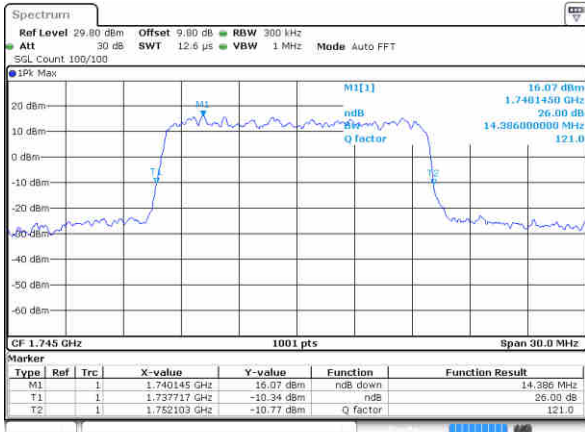
Date: 29 OCT 2019 00:42:17

Lowest Channel / 15MHz / 16QAM



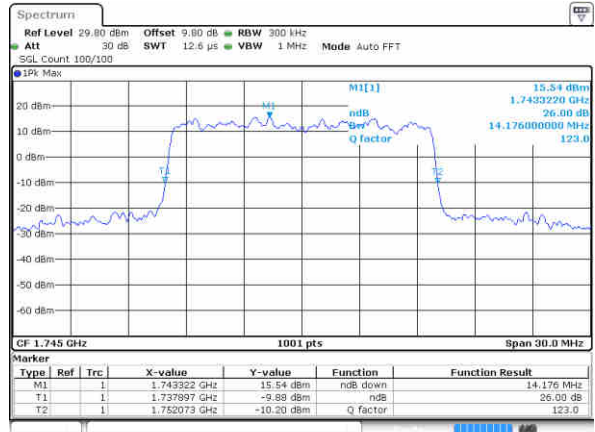
Date: 29 OCT 2019 00:42:48

Middle Channel / 15MHz / QPSK



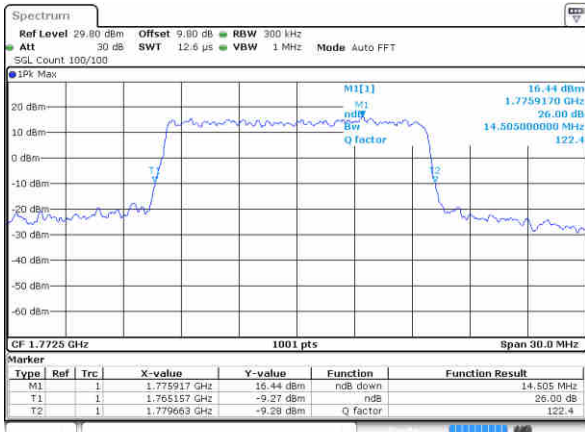
Date: 29 OCT 2019 00:03:09

Middle Channel / 15MHz / 16QAM



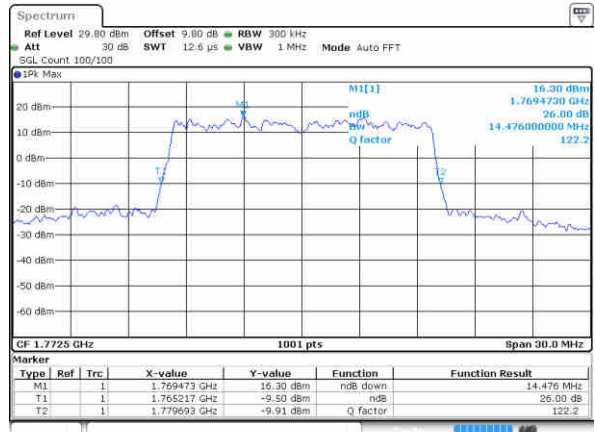
Date: 29 OCT 2019 00:02:53

Highest Channel / 15MHz / QPSK



Date: 29 OCT 2019 00:47:23

Highest Channel / 15MHz / 16QAM



Date: 29 OCT 2019 00:45:59