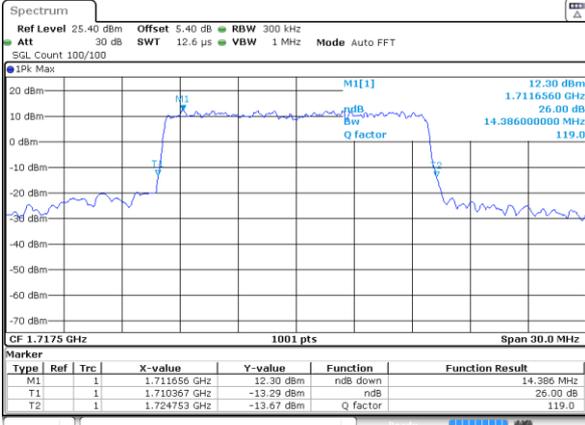




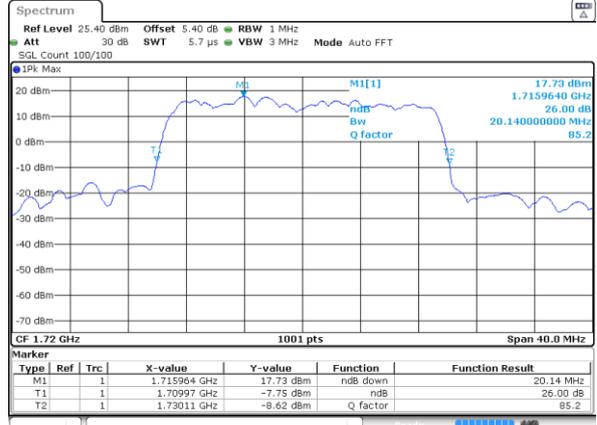
LTE Band 4

Lowest Channel / 15MHz / 64QAM



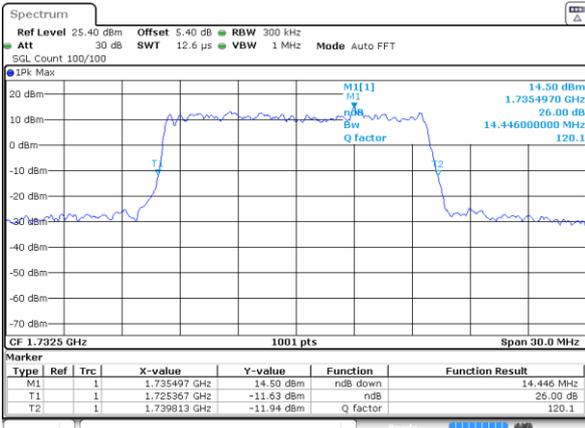
Date: 3 DEC 2019 21:16:20

Lowest Channel / 20MHz / 64QAM



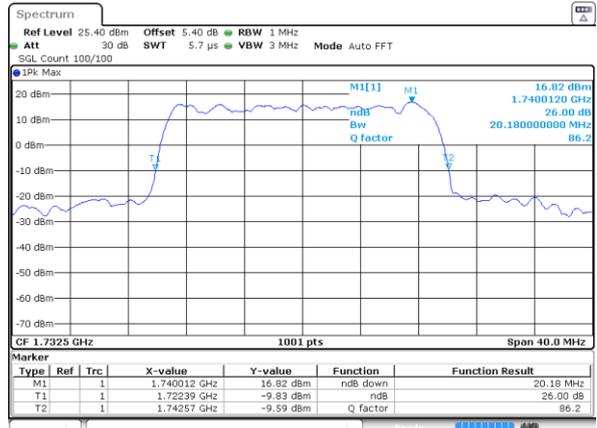
Date: 3 DEC 2019 21:24:34

Middle Channel / 15MHz / 64QAM



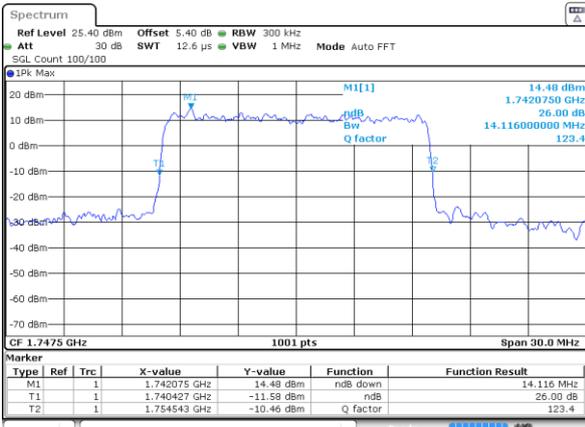
Date: 3 DEC 2019 21:19:50

Middle Channel / 20MHz / 64QAM



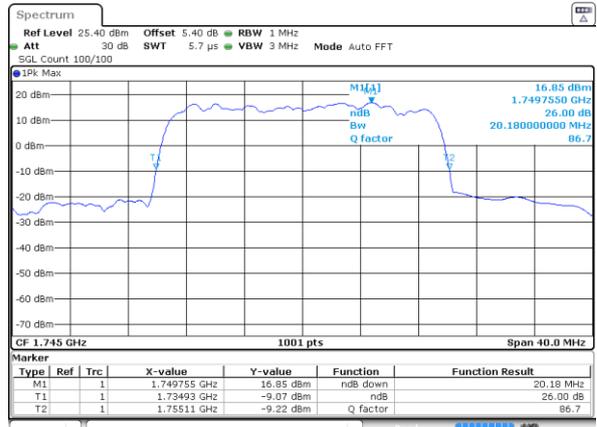
Date: 3 DEC 2019 21:28:04

Highest Channel / 15MHz / 64QAM



Date: 3 DEC 2019 21:21:05

Highest Channel / 20MHz / 64QAM



Date: 3 DEC 2019 21:29:19



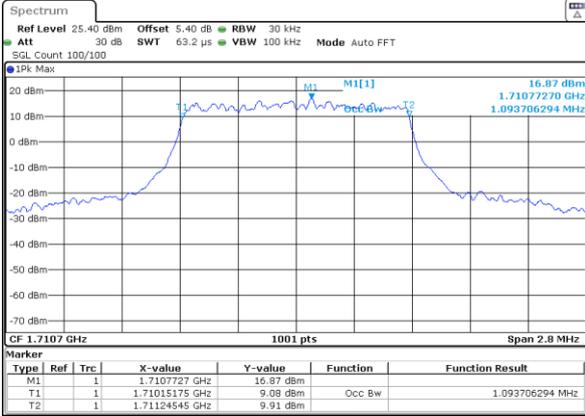
Occupied Bandwidth

Mode	LTE Band 4 : 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	1.094	1.088	2.721	2.691	4.476	4.486	9.031	9.011	13.457	13.457	18.422	18.342
Middle CH	1.102	1.094	2.727	2.715	4.486	4.486	9.051	9.011	13.487	13.487	18.462	18.462
Highest CH	1.091	1.091	2.715	2.709	4.476	4.476	9.031	9.031	13.457	13.487	18.422	18.302
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.088		2.709		4.476		9.051		13.397		18.501	
Middle CH	1.099		2.727		4.476		9.031		13.516		18.342	
Highest CH	1.097		2.721		4.505		9.031		13.397		18.621	



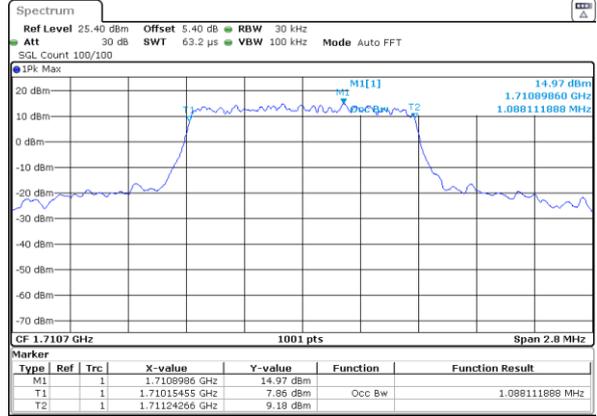
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



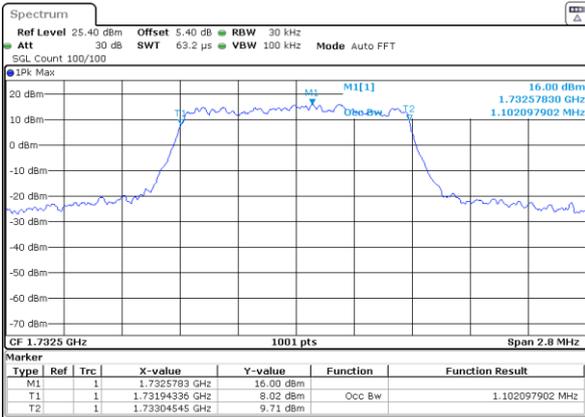
Date: 3 DEC 2019 18:35:42

Lowest Channel / 1.4MHz / 16QAM



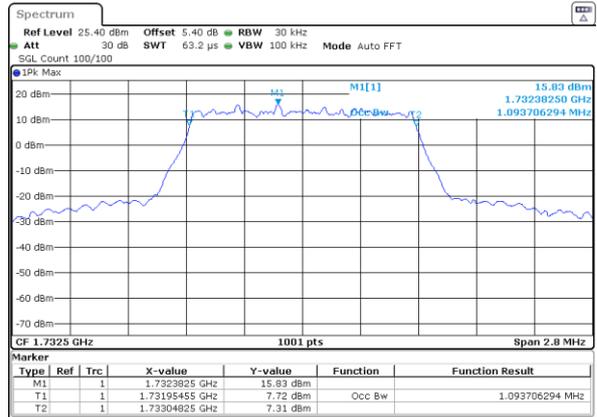
Date: 3 DEC 2019 18:35:53

Middle Channel / 1.4MHz / QPSK



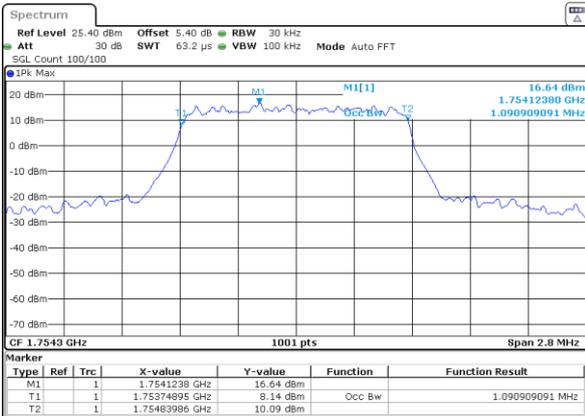
Date: 3 DEC 2019 18:42:41

Middle Channel / 1.4MHz / 16QAM



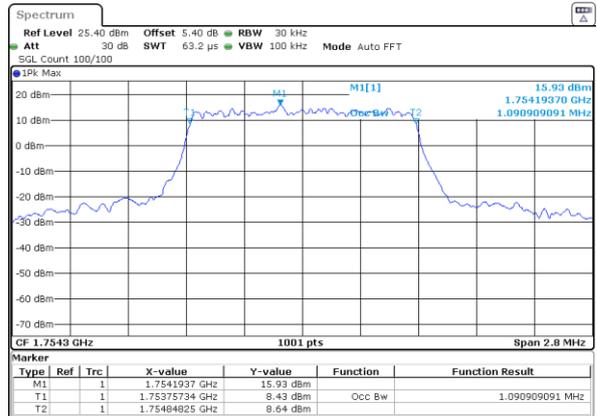
Date: 3 DEC 2019 18:42:52

Highest Channel / 1.4MHz / QPSK



Date: 3 DEC 2019 18:45:11

Highest Channel / 1.4MHz / 16QAM

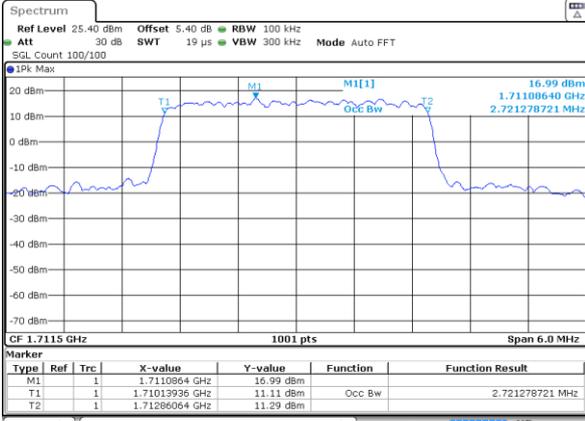


Date: 3 DEC 2019 18:45:21



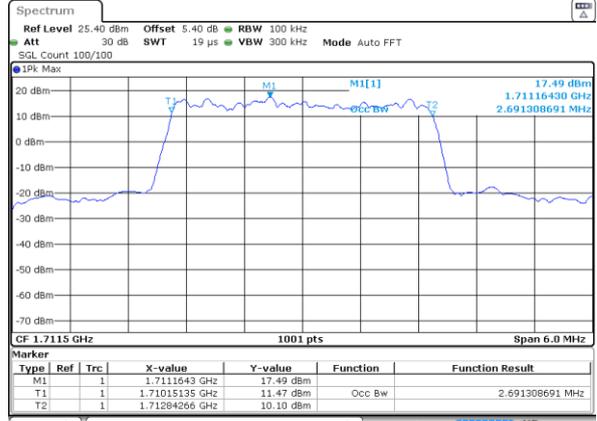
LTE Band 4

Lowest Channel / 3MHz / QPSK



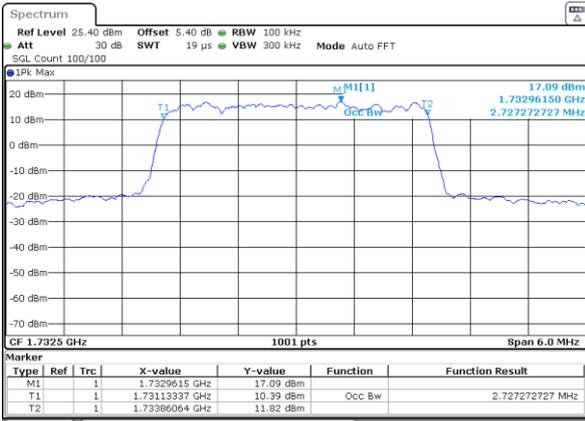
Date: 3 DEC 2019 18:52:10

Lowest Channel / 3MHz / 16QAM



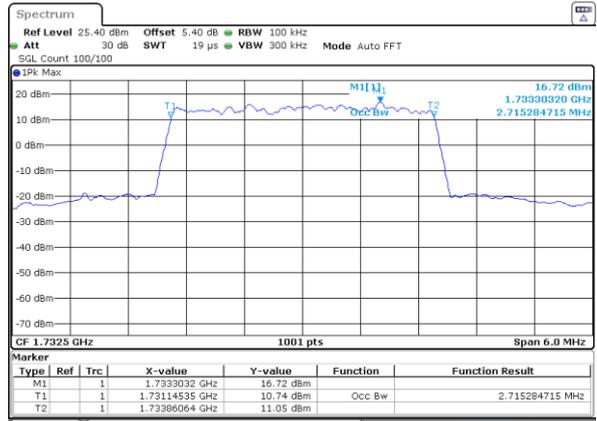
Date: 3 DEC 2019 18:52:20

Middle Channel / 3MHz / QPSK



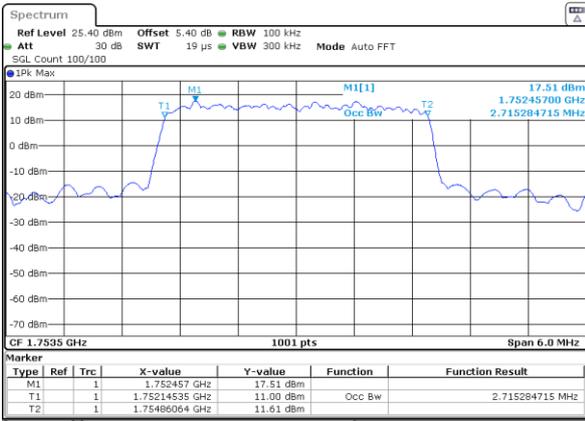
Date: 3 DEC 2019 18:59:09

Middle Channel / 3MHz / 16QAM



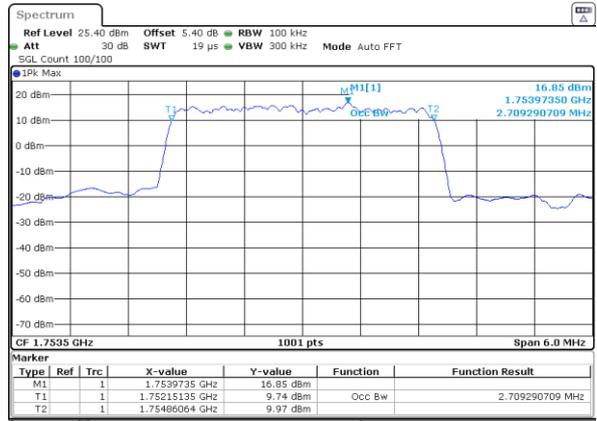
Date: 3 DEC 2019 18:59:19

Highest Channel / 3MHz / QPSK



Date: 3 DEC 2019 19:01:37

Highest Channel / 3MHz / 16QAM

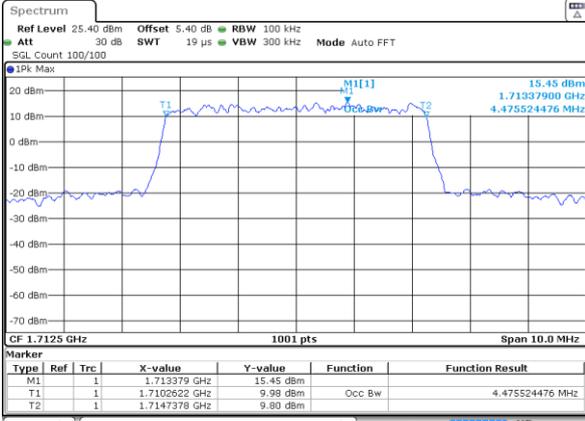


Date: 3 DEC 2019 19:01:47



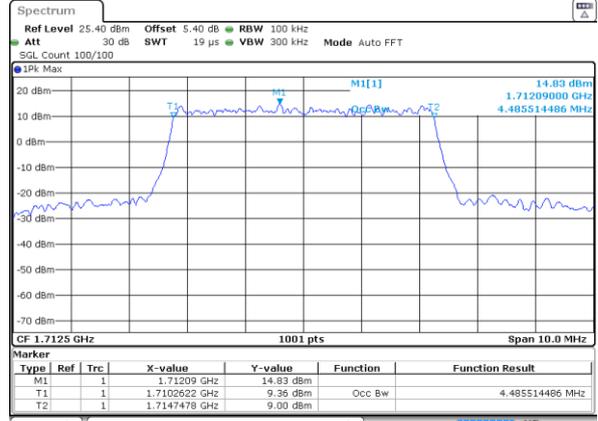
LTE Band 4

Lowest Channel / 5MHz / QPSK



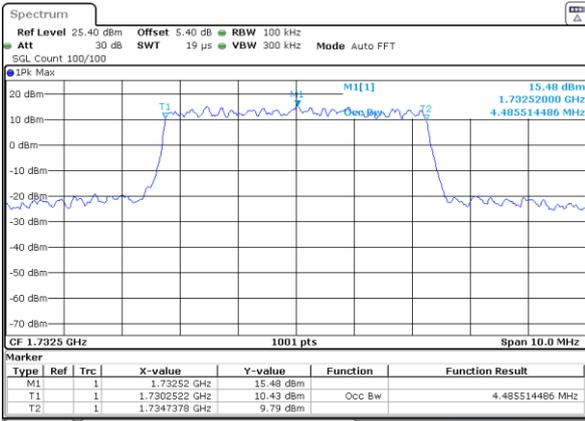
Date: 3.DEC.2019 19:08:36

Lowest Channel / 5MHz / 16QAM



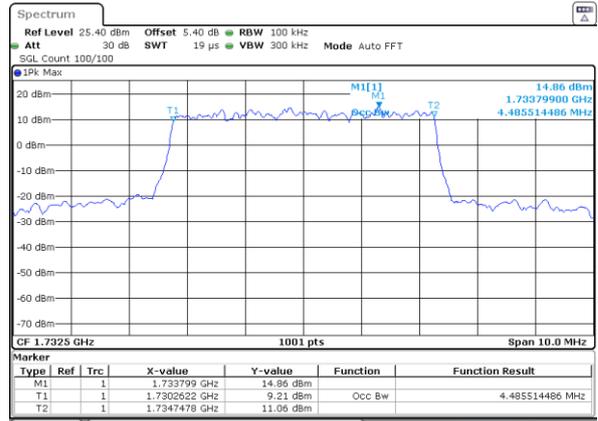
Date: 3.DEC.2019 19:08:46

Middle Channel / 5MHz / QPSK



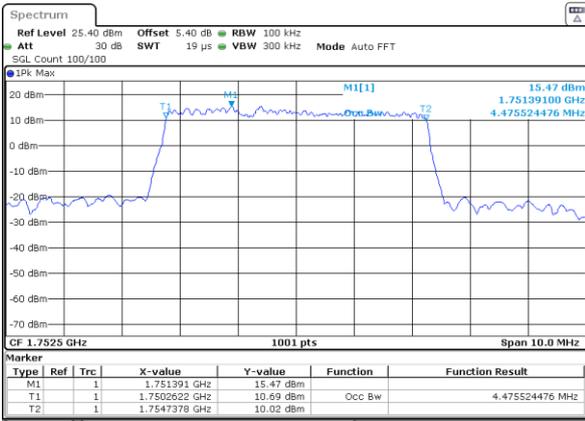
Date: 3.DEC.2019 19:15:35

Middle Channel / 5MHz / 16QAM



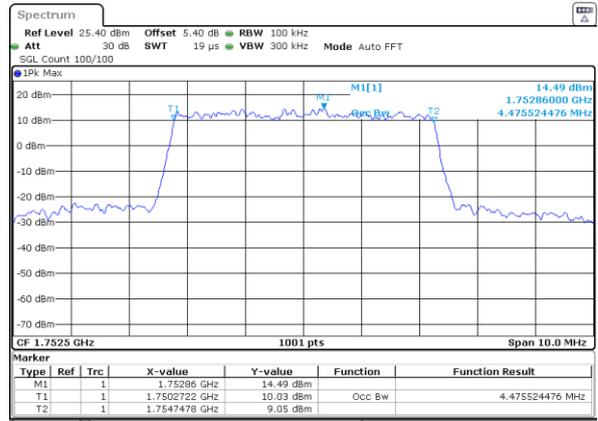
Date: 3.DEC.2019 19:15:45

Highest Channel / 5MHz / QPSK



Date: 3.DEC.2019 19:18:04

Highest Channel / 5MHz / 16QAM

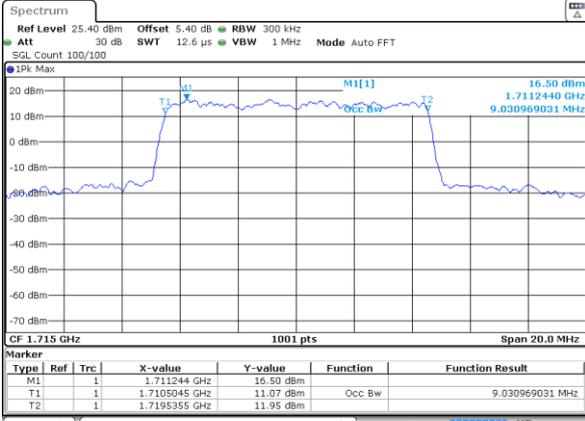


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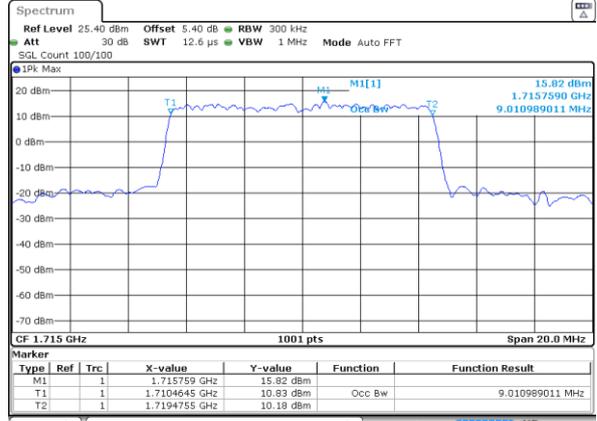
LTE Band 4

Lowest Channel / 10MHz / QPSK



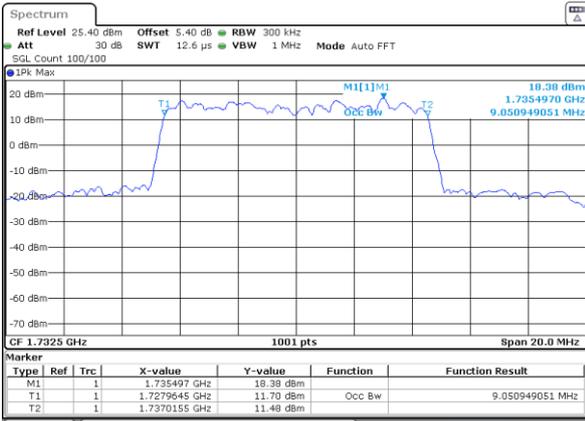
Date: 3 DEC 2019 19:25:03

Lowest Channel / 10MHz / 16QAM



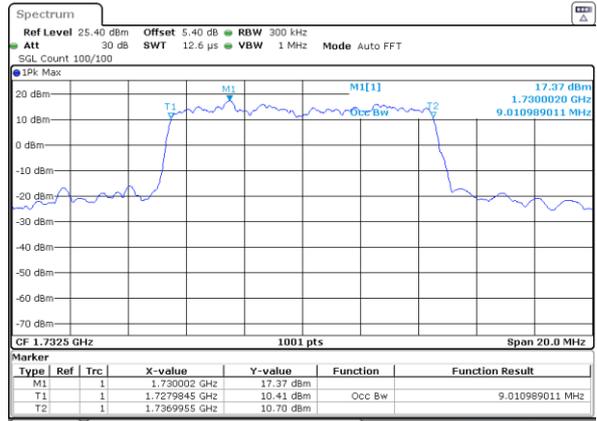
Date: 3 DEC 2019 19:25:13

Middle Channel / 10MHz / QPSK



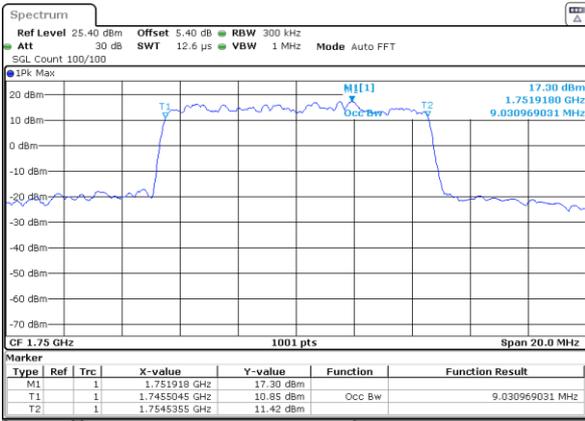
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Middle Channel / 10MHz / 16QAM



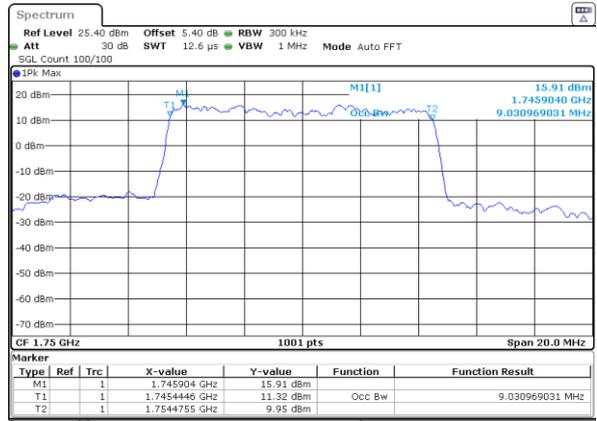
Date: 3 DEC 2019 19:32:13

Highest Channel / 10MHz / QPSK



Date: 3 DEC 2019 19:34:32

Highest Channel / 10MHz / 16QAM

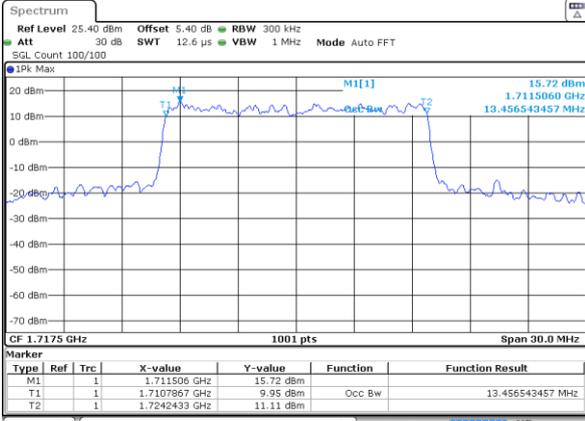


Date: 3 DEC 2019 19:34:42



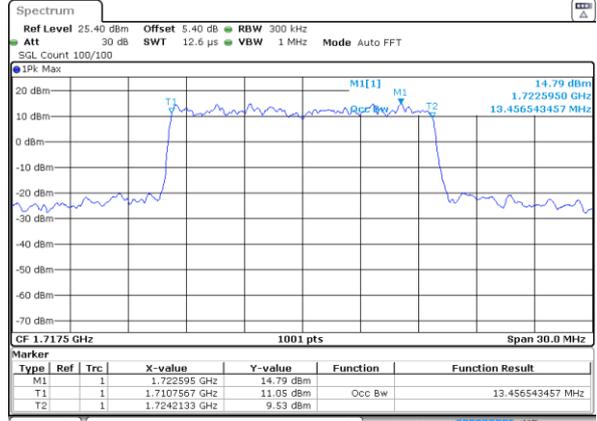
LTE Band 4

Lowest Channel / 15MHz / QPSK



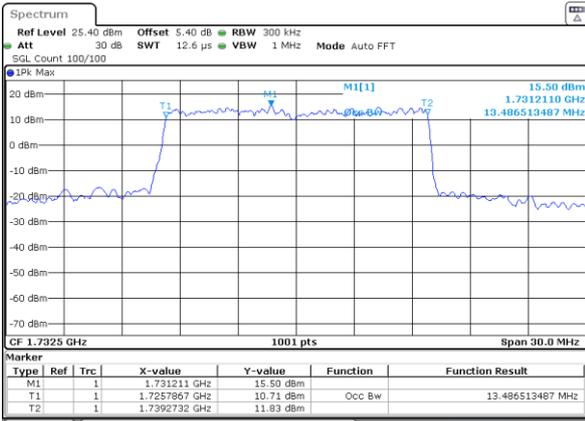
Date: 3.DEC.2019 19:47:01

Lowest Channel / 15MHz / 16QAM



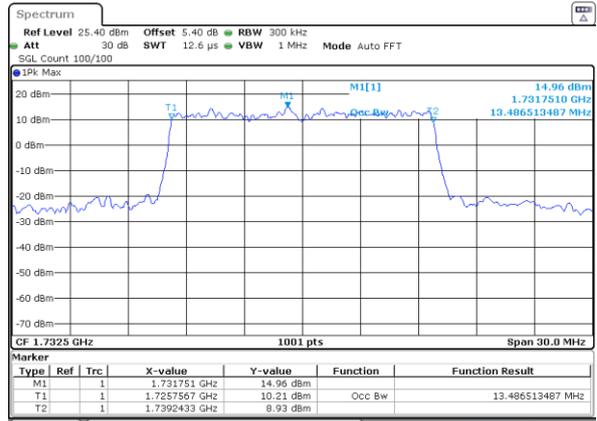
Date: 3.DEC.2019 19:47:11

Middle Channel / 15MHz / QPSK



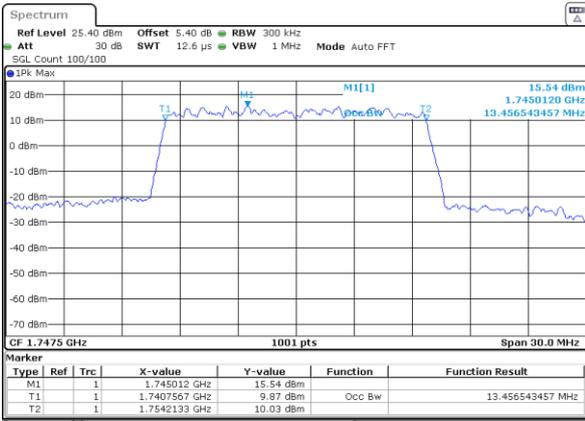
Date: 3.DEC.2019 19:53:59

Middle Channel / 15MHz / 16QAM



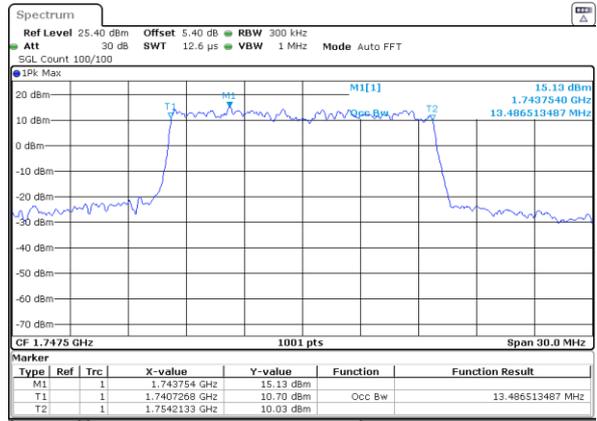
Date: 3.DEC.2019 19:54:09

Highest Channel / 15MHz / QPSK



Date: 3.DEC.2019 19:56:29

Highest Channel / 15MHz / 16QAM

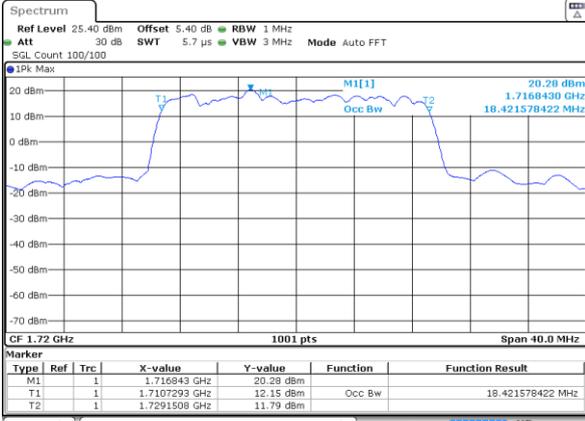


Date: 3.DEC.2019 19:56:39



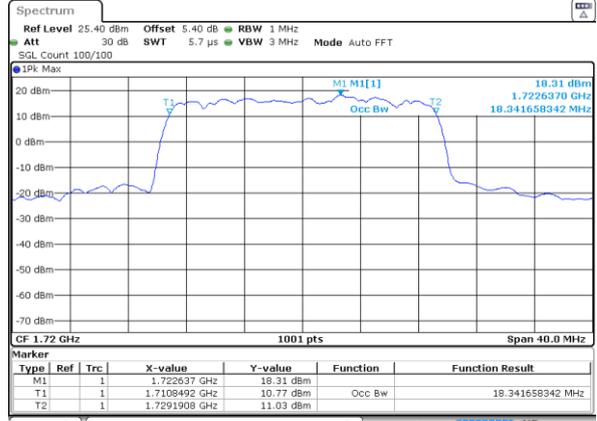
LTE Band 4

Lowest Channel / 20MHz / QPSK



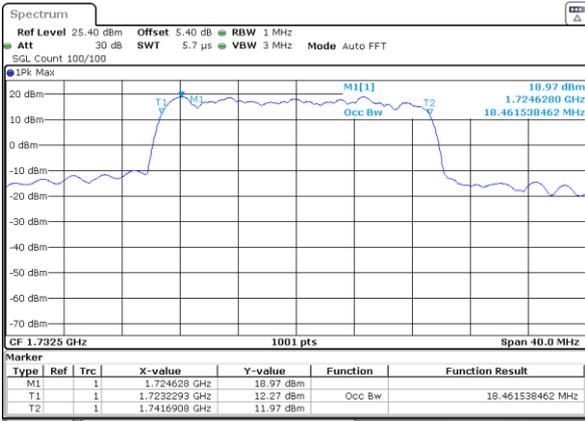
Date: 3.DEC.2019 20:03:27

Lowest Channel / 20MHz / 16QAM



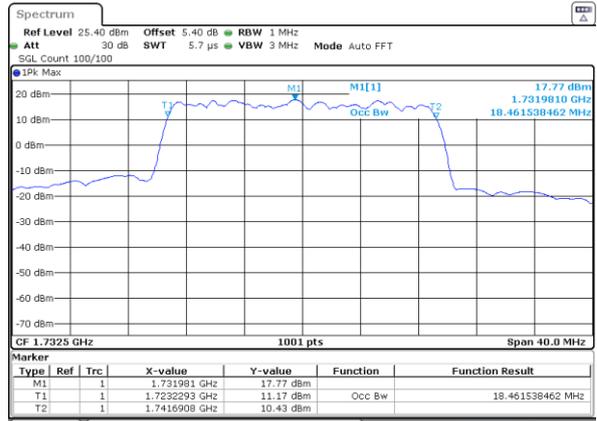
Date: 3.DEC.2019 20:03:38

Middle Channel / 20MHz / QPSK



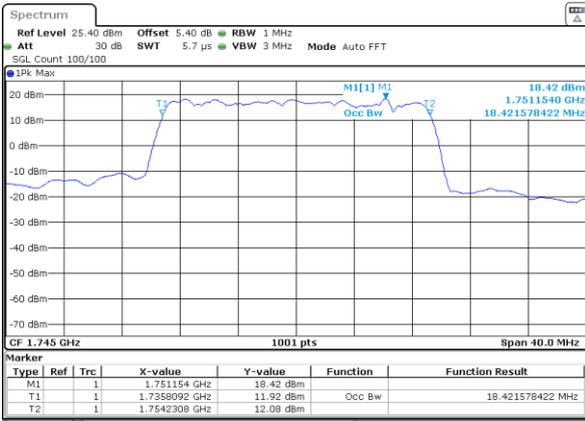
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Middle Channel / 20MHz / 16QAM



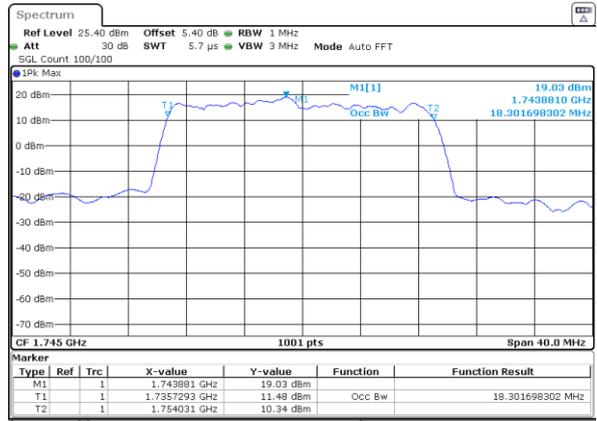
Date: 3.DEC.2019 20:10:37

Highest Channel / 20MHz / QPSK



Date: 3.DEC.2019 20:12:56

Highest Channel / 20MHz / 16QAM

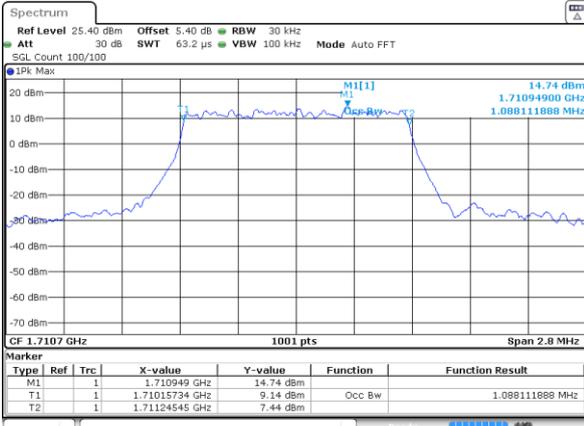


Date: 3.DEC.2019 20:13:06



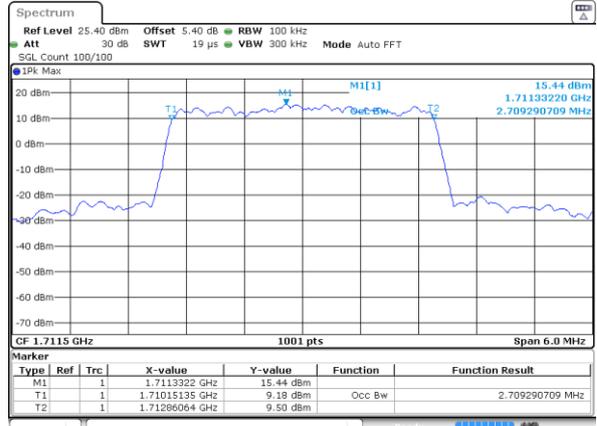
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



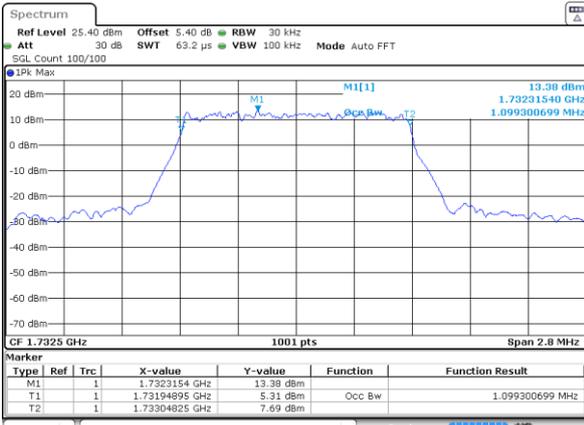
Date: 3.DEC.2019 20:43:11

Lowest Channel / 3MHz / 64QAM



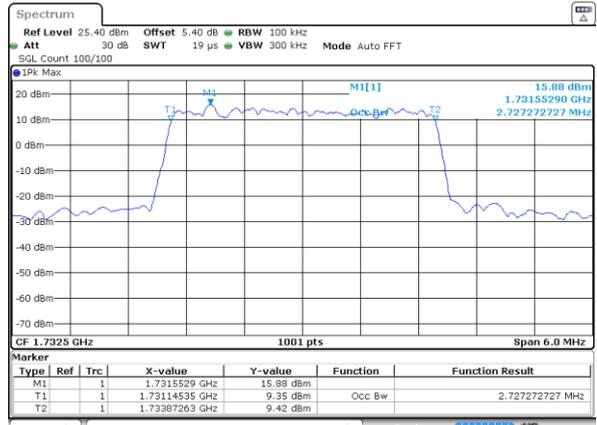
Date: 3.DEC.2019 20:51:26

Middle Channel / 1.4MHz / 64QAM



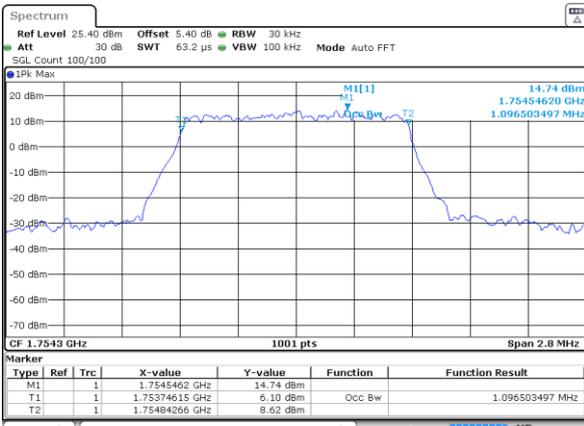
Date: 3.DEC.2019 20:46:41

Middle Channel / 3MHz / 64QAM



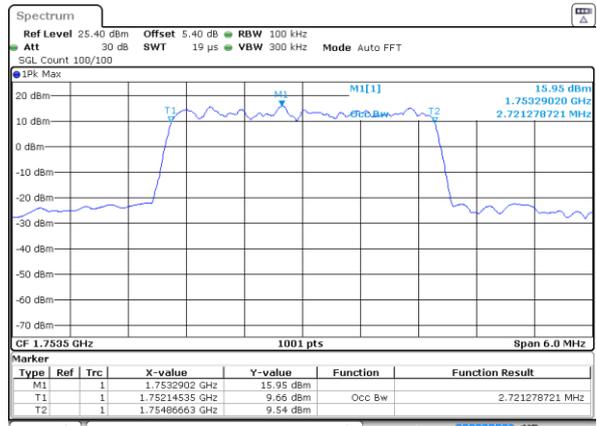
Date: 3.DEC.2019 20:54:55

Highest Channel / 1.4MHz / 64QAM



Date: 3.DEC.2019 20:47:56

Highest Channel / 3MHz / 64QAM

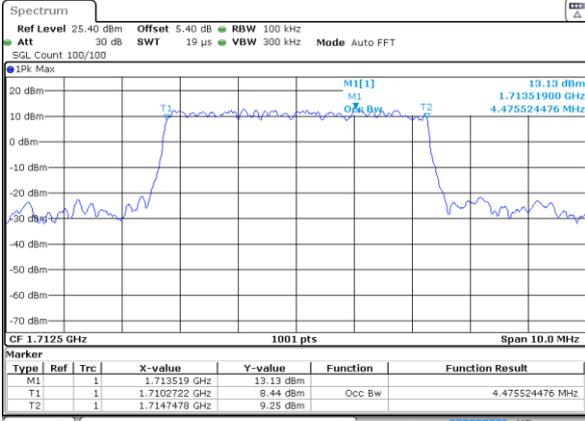


Date: 3.DEC.2019 20:56:10



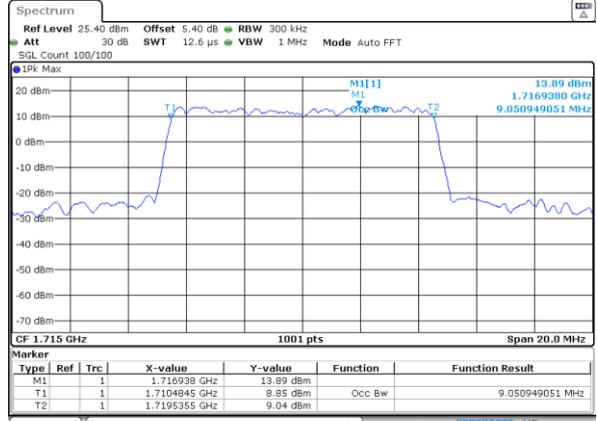
LTE Band 4

Lowest Channel / 5MHz / 64QAM



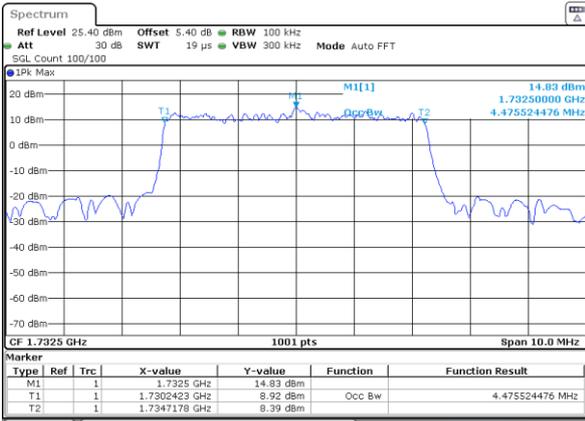
Date: 3 DEC 2019 20:59:40

Lowest Channel / 10MHz / 64QAM



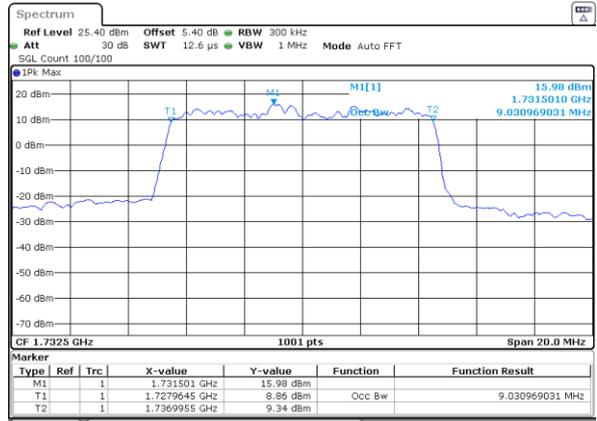
Date: 3 DEC 2019 21:07:55

Middle Channel / 5MHz / 64QAM



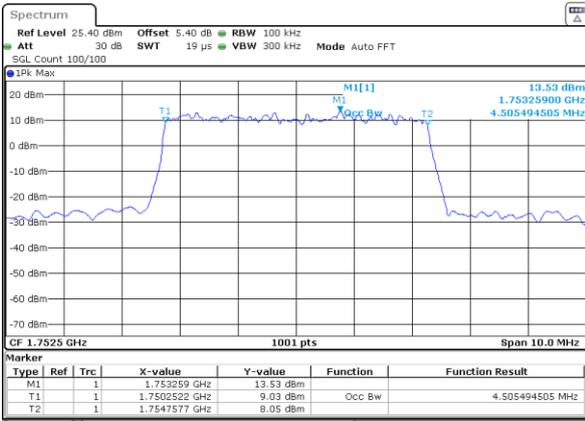
Date: 3 DEC 2019 21:03:10

Middle Channel / 10MHz / 64QAM



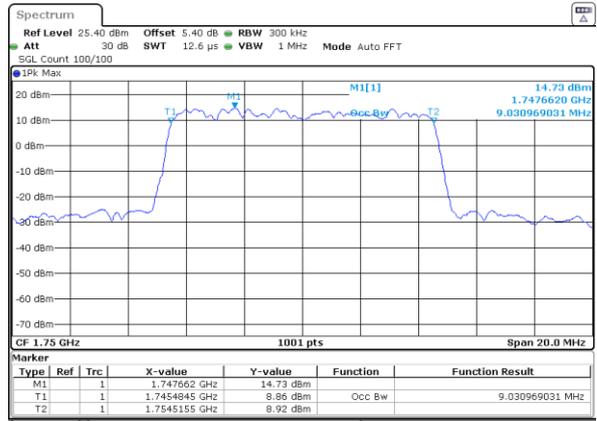
Date: 3 DEC 2019 21:11:25

Highest Channel / 5MHz / 64QAM



Date: 3 DEC 2019 21:04:25

Highest Channel / 10MHz / 64QAM

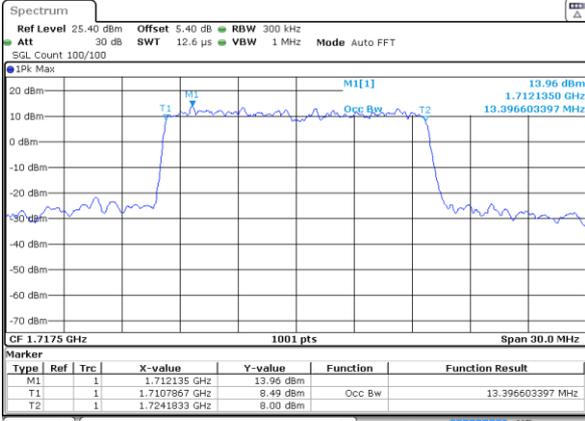


Date: 3 DEC 2019 21:12:41



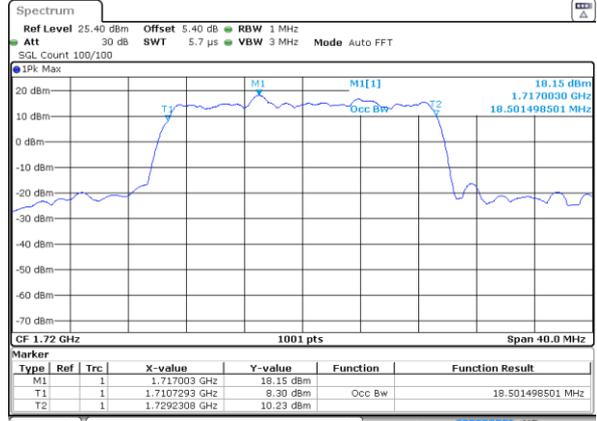
LTE Band 4

Lowest Channel / 15MHz / 64QAM



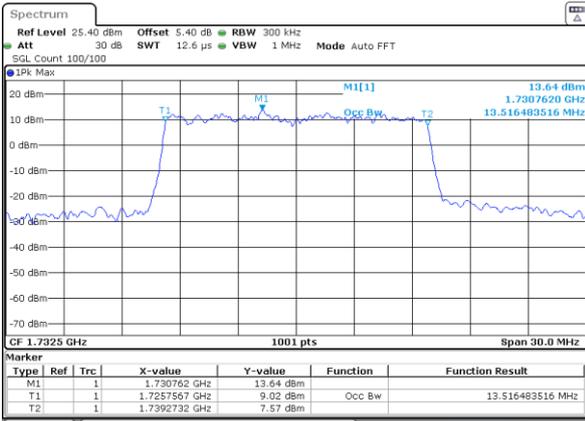
Date: 3 DEC 2019 21:16:10

Lowest Channel / 20MHz / 64QAM



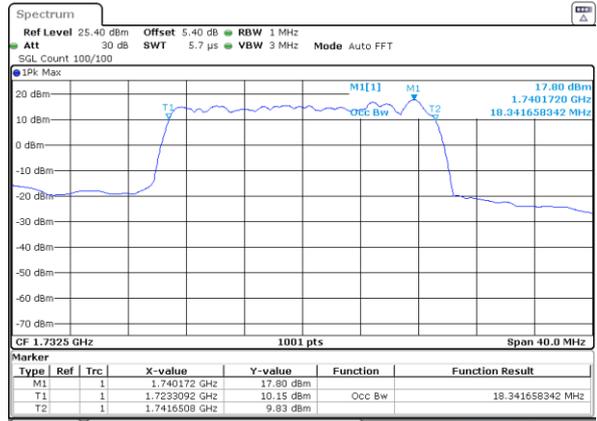
Date: 3 DEC 2019 21:24:24

Middle Channel / 15MHz / 64QAM



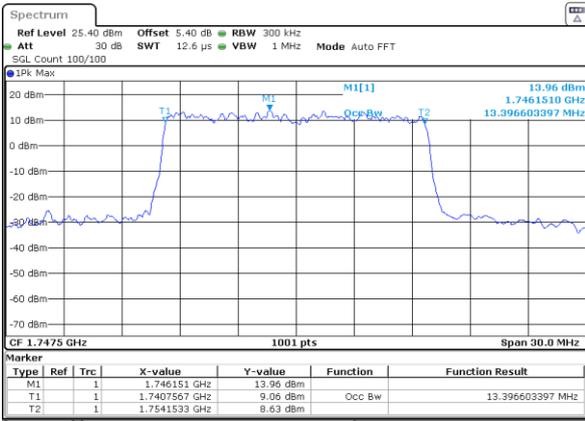
Date: 3 DEC 2019 21:19:40

Middle Channel / 20MHz / 64QAM



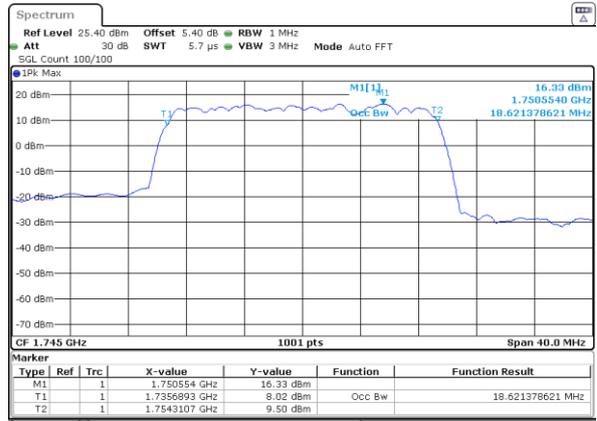
Date: 3 DEC 2019 21:27:54

Highest Channel / 15MHz / 64QAM



Date: 3 DEC 2019 21:20:55

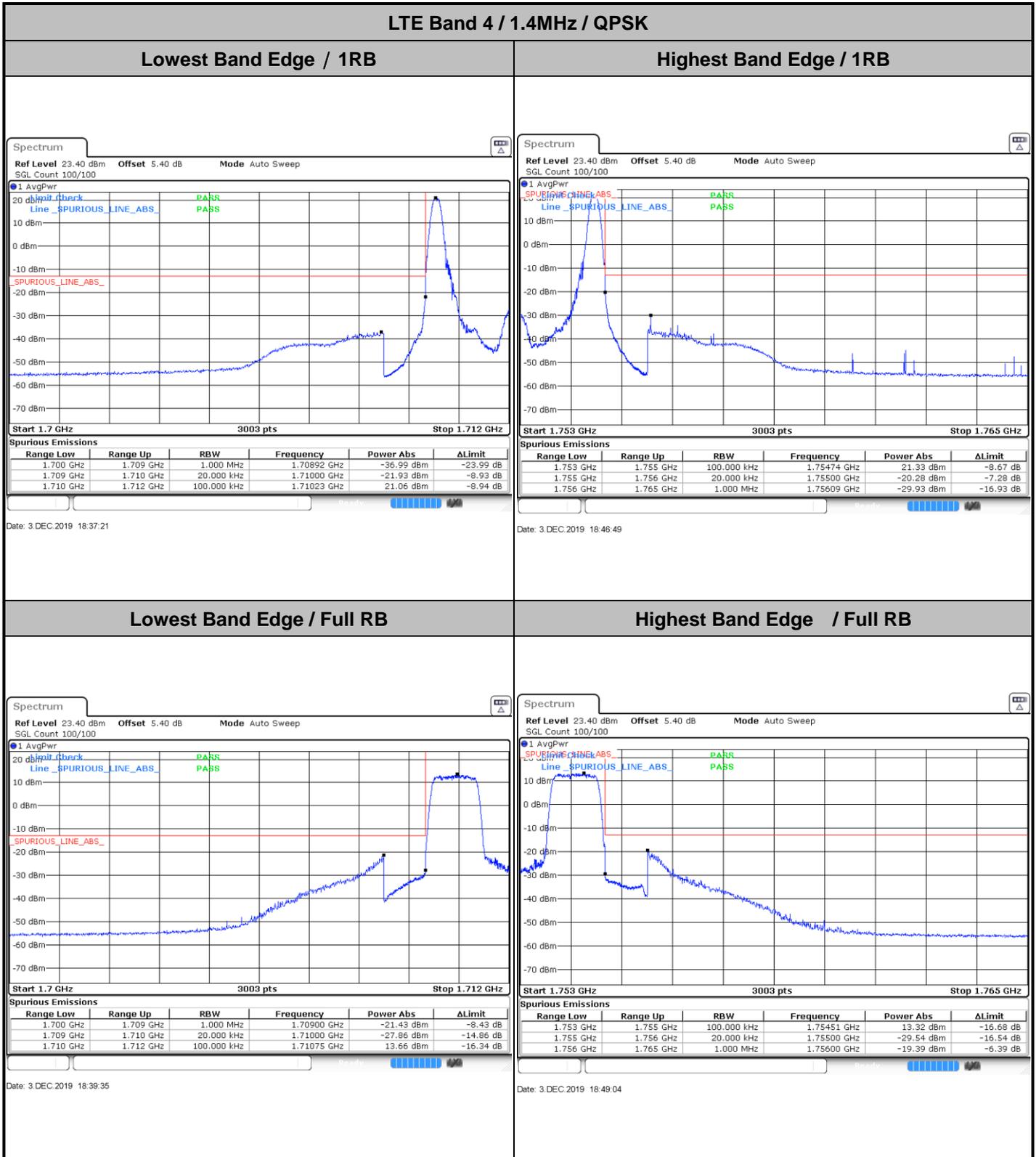
Highest Channel / 20MHz / 64QAM



Date: 3 DEC 2019 21:29:08



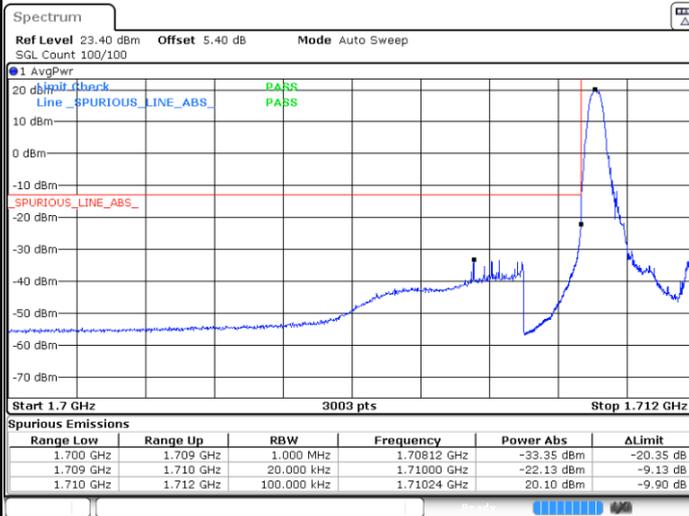
Conducted Band Edge





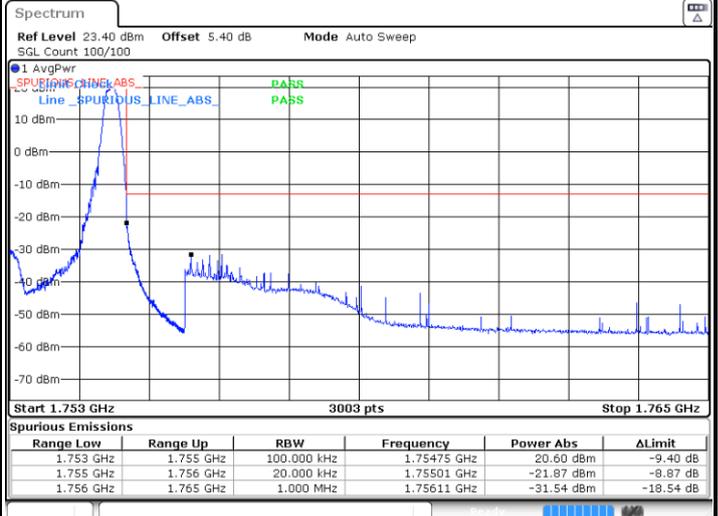
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



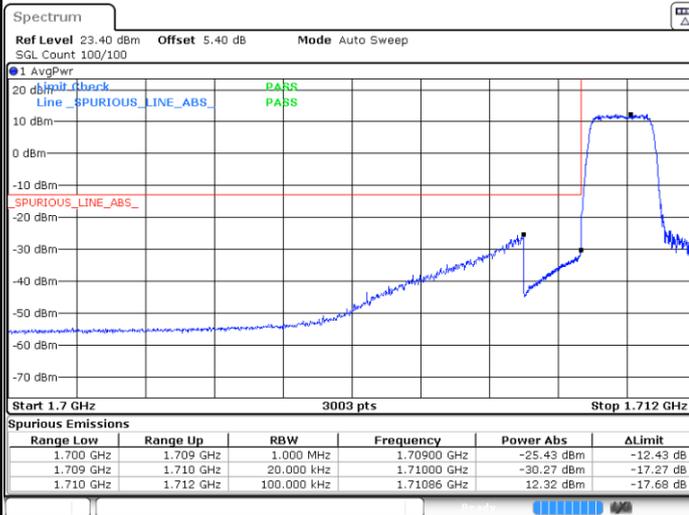
Date: 3 DEC.2019 18:38:28

Highest Band Edge / 1 RB



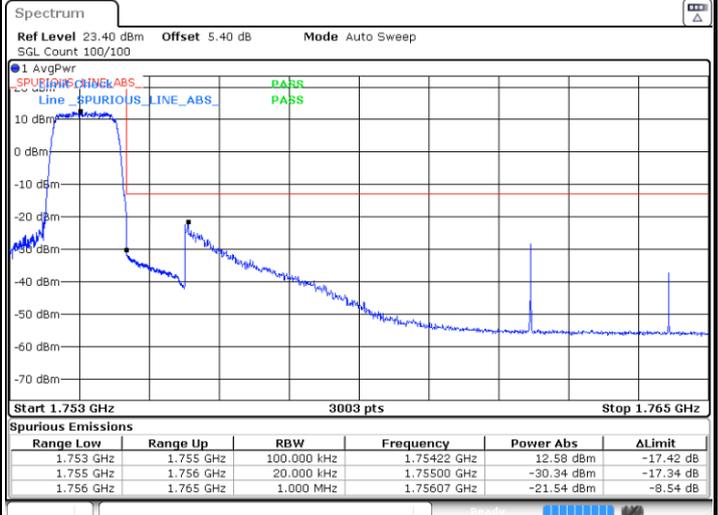
Date: 3 DEC.2019 18:47:56

Lowest Band Edge / Full RB



Date: 3 DEC.2019 18:40:43

Highest Band Edge / Full RB

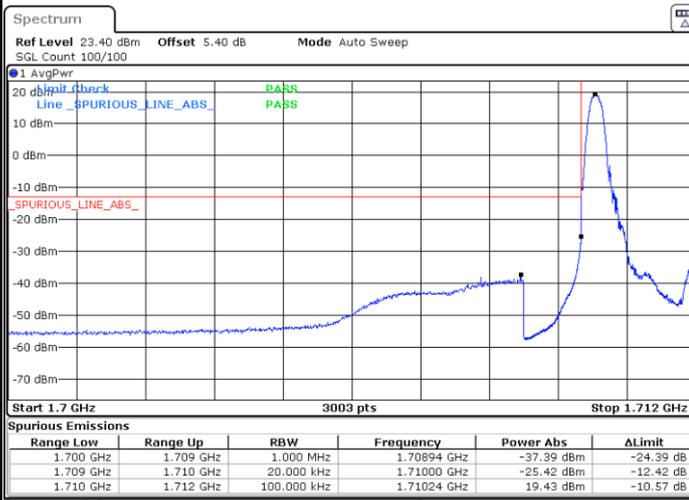


Date: 3 DEC.2019 18:50:11



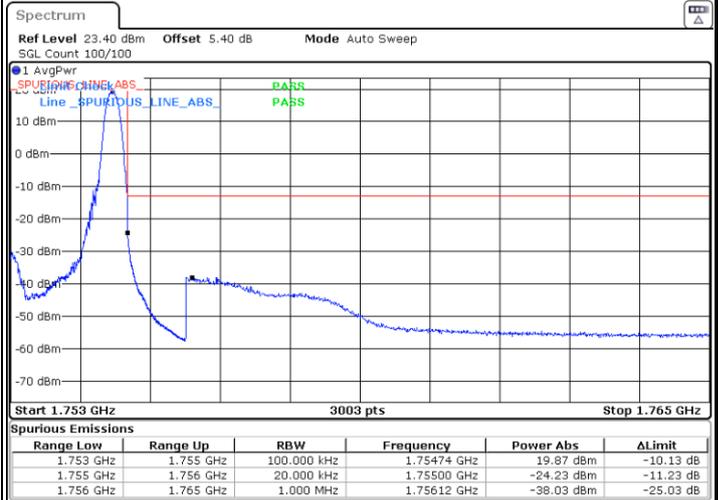
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



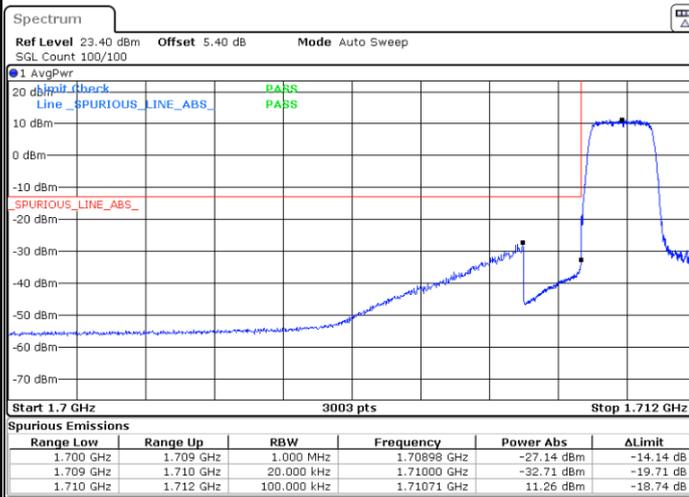
Date: 3 DEC.2019 20:44:29

Highest Band Edge / 1 RB



Date: 3 DEC.2019 20:49:14

Lowest Band Edge / Full RB



Date: 3 DEC.2019 20:45:37

Highest Band Edge / Full RB

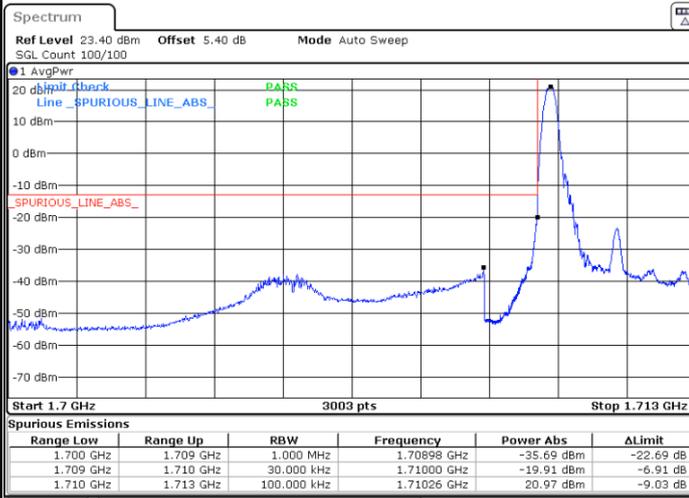


Date: 3 DEC.2019 20:50:22



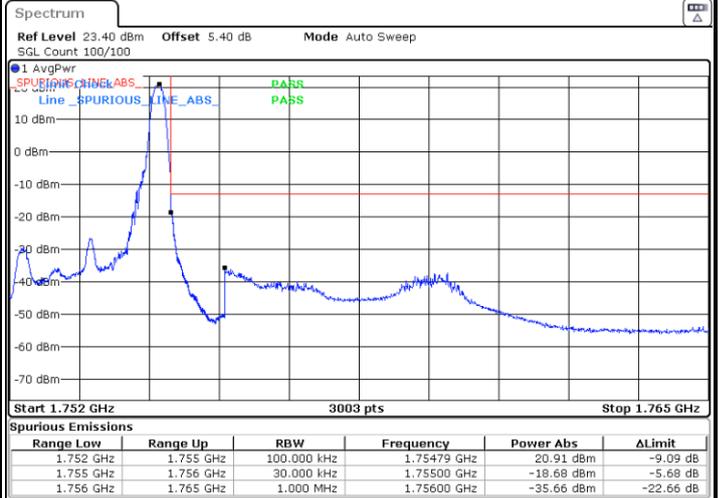
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 3 DEC.2019 18:53:48

Highest Band Edge / 1 RB



Date: 3 DEC.2019 19:03:15

Lowest Band Edge / Full RB



Date: 3 DEC.2019 18:56:03

Highest Band Edge / Full RB

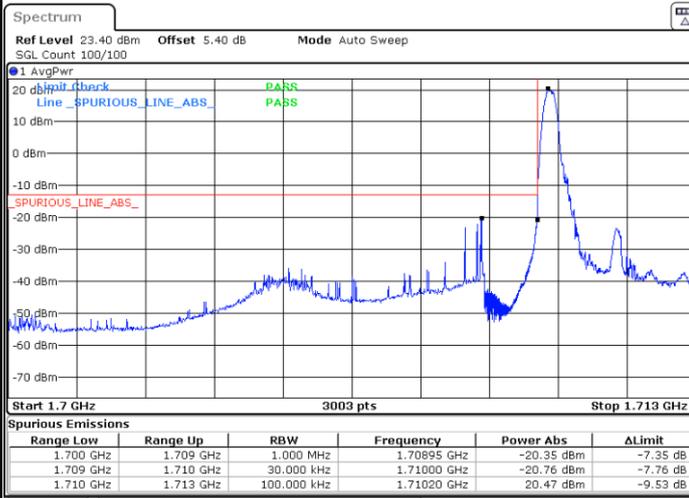


Date: 3 DEC.2019 19:05:30



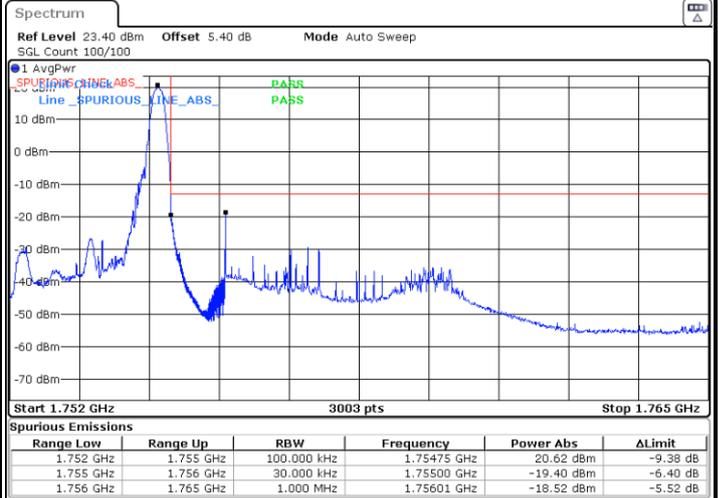
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 3 DEC.2019 18:54:55

Highest Band Edge / 1 RB



Date: 3 DEC.2019 19:04:22

Lowest Band Edge / Full RB



Date: 3 DEC.2019 18:57:10

Highest Band Edge / Full RB

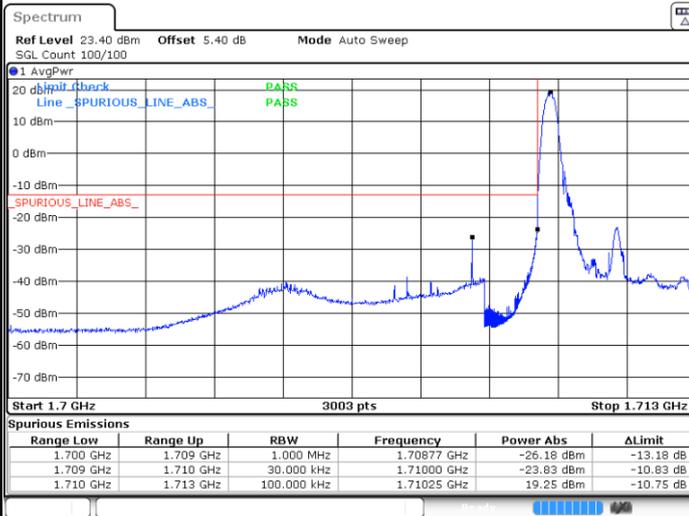


Date: 3 DEC.2019 19:06:37



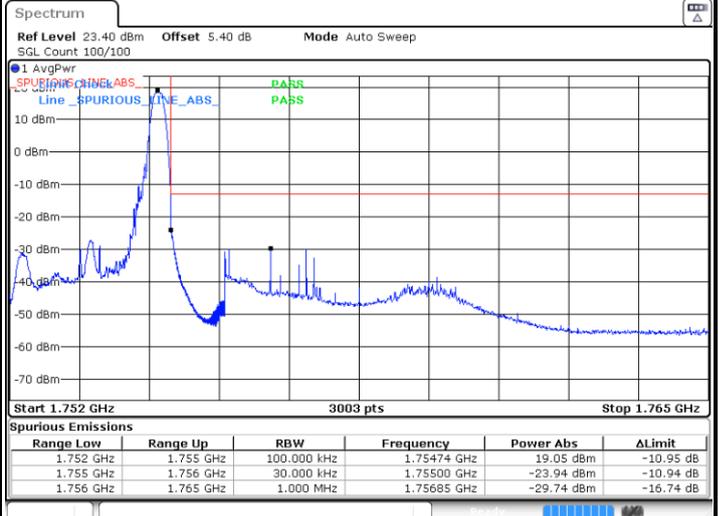
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 3 DEC.2019 20:52:44

Highest Band Edge / 1 RB



Date: 3 DEC.2019 20:57:28

Lowest Band Edge / Full RB



Date: 3 DEC.2019 20:53:51

Highest Band Edge / Full RB

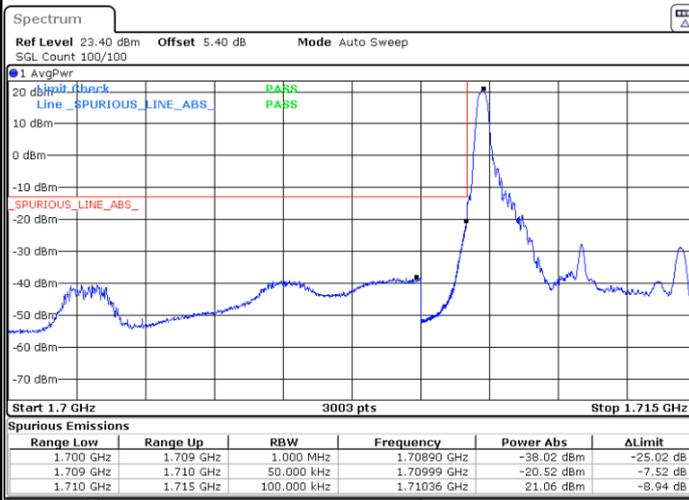


Date: 3 DEC.2019 20:58:35



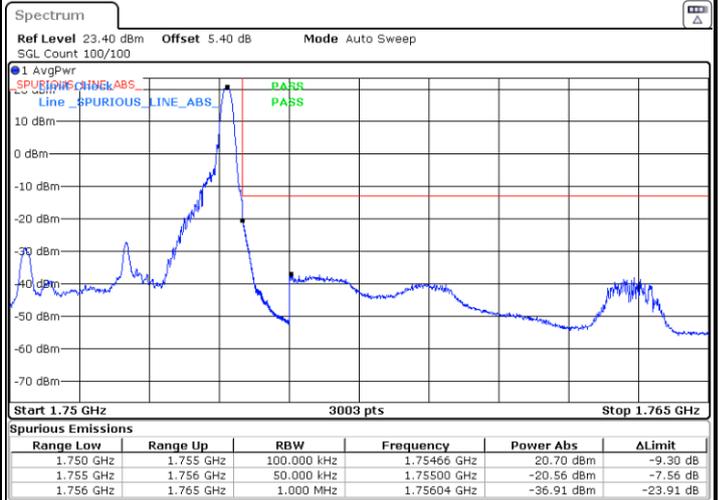
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



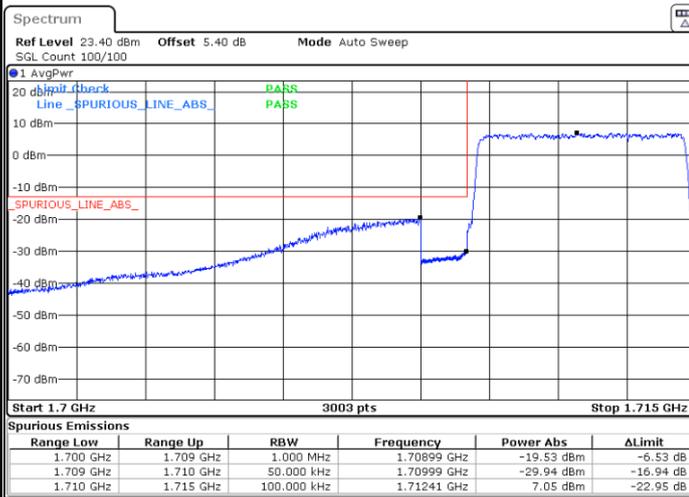
Date: 3 DEC.2019 19:10:14

Highest Band Edge / 1 RB



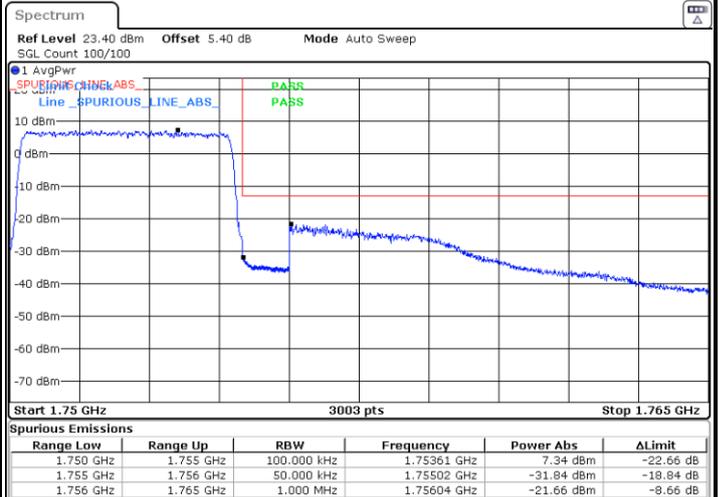
Date: 3 DEC.2019 19:19:42

Lowest Band Edge / Full RB



Date: 3 DEC.2019 19:12:29

Highest Band Edge / Full RB

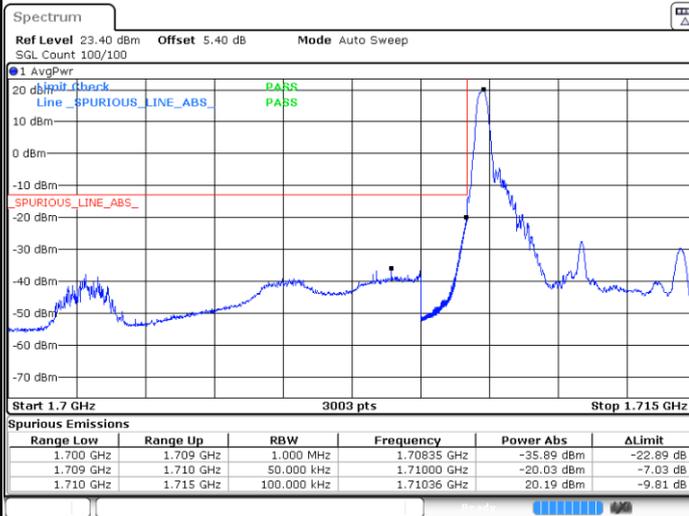


Date: 3 DEC.2019 19:21:57



LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



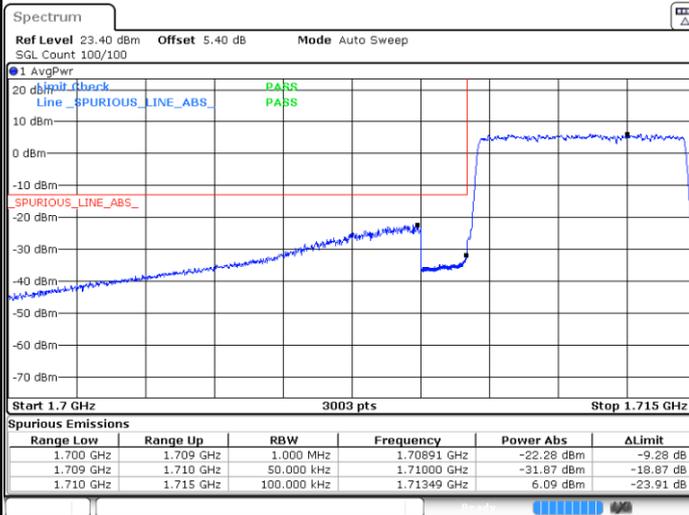
Date: 3 DEC.2019 19:11:22

Highest Band Edge / 1 RB



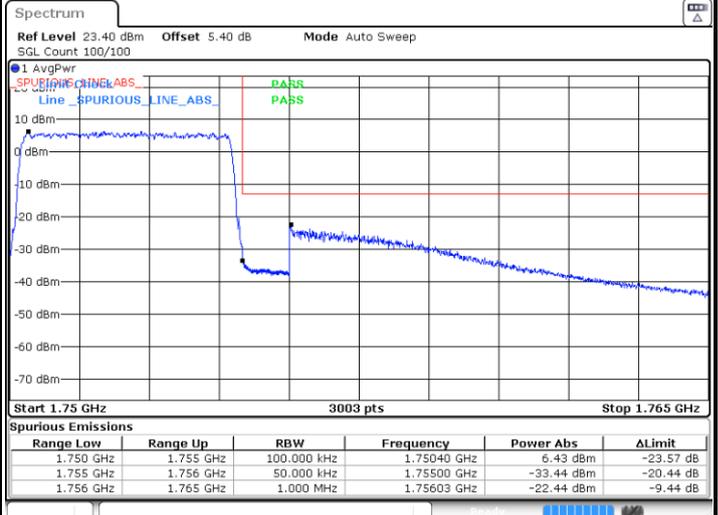
Date: 3 DEC.2019 19:20:50

Lowest Band Edge / Full RB



Date: 3 DEC.2019 19:13:37

Highest Band Edge / Full RB

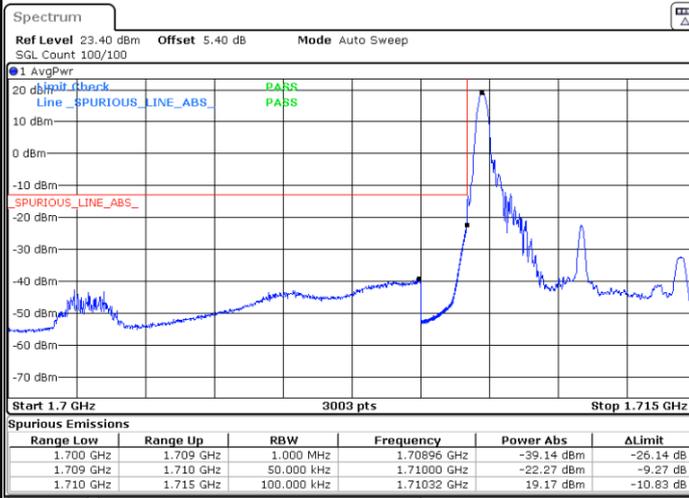


Date: 3 DEC.2019 19:23:05



LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



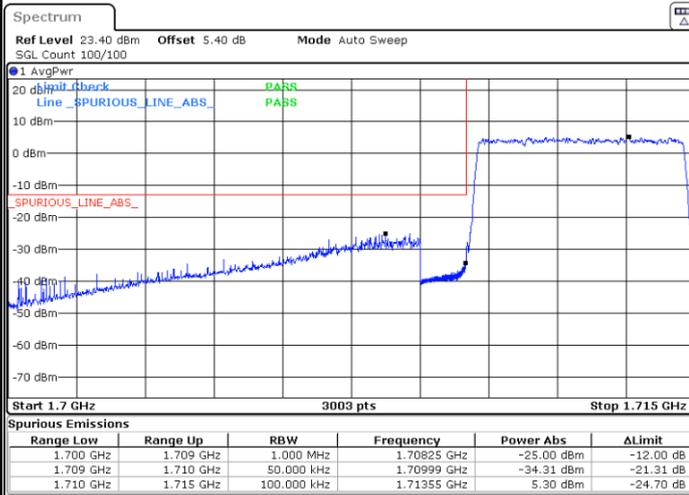
Date: 3 DEC.2019 21:00:58

Highest Band Edge / 1 RB



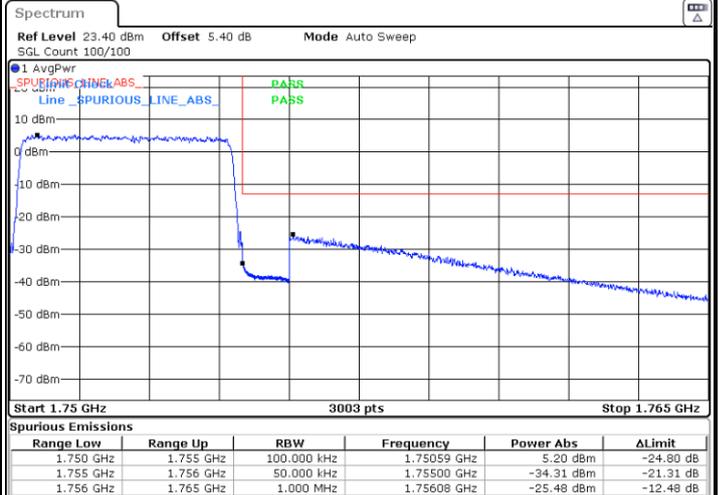
Date: 3 DEC.2019 21:05:43

Lowest Band Edge / Full RB



Date: 3 DEC.2019 21:02:05

Highest Band Edge / Full RB

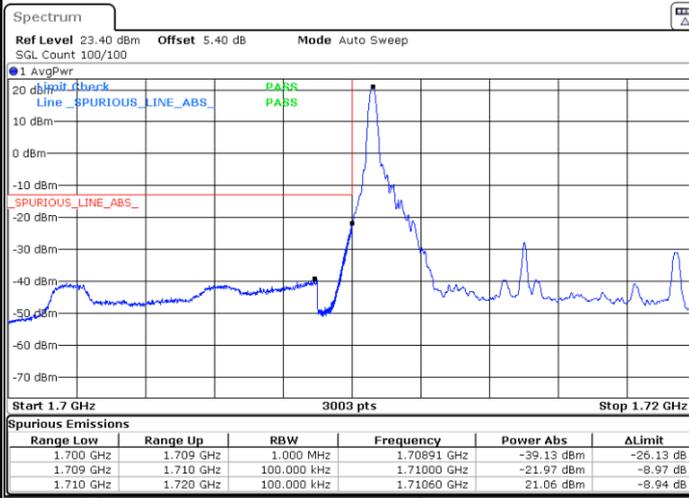


Date: 3 DEC.2019 21:06:50



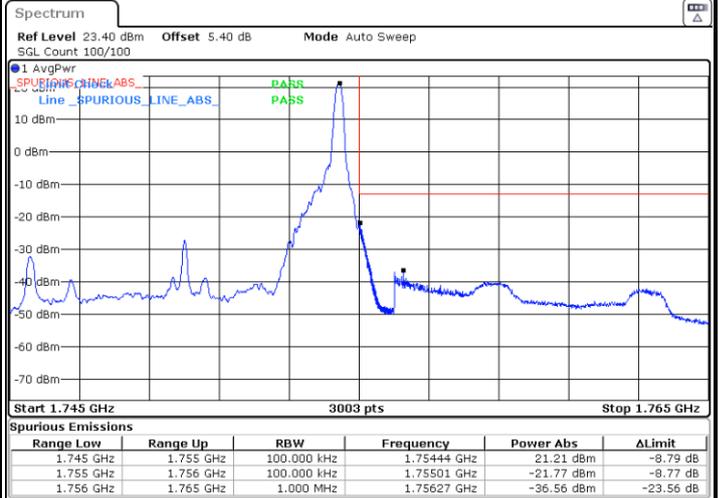
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



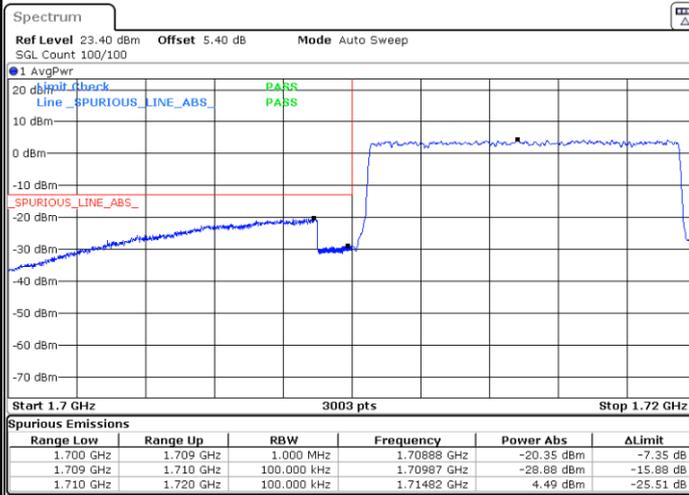
Date: 3 DEC.2019 19:26:42

Highest Band Edge / 1 RB



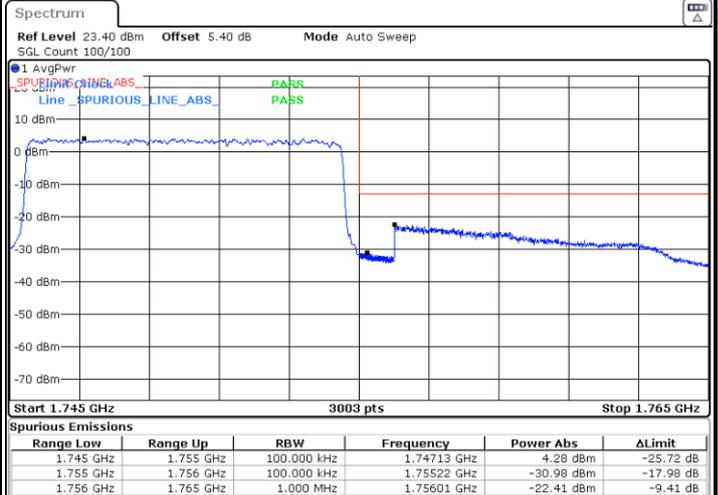
Date: 3 DEC.2019 19:36:10

Lowest Band Edge / Full RB



Date: 3 DEC.2019 19:28:57

Highest Band Edge / Full RB

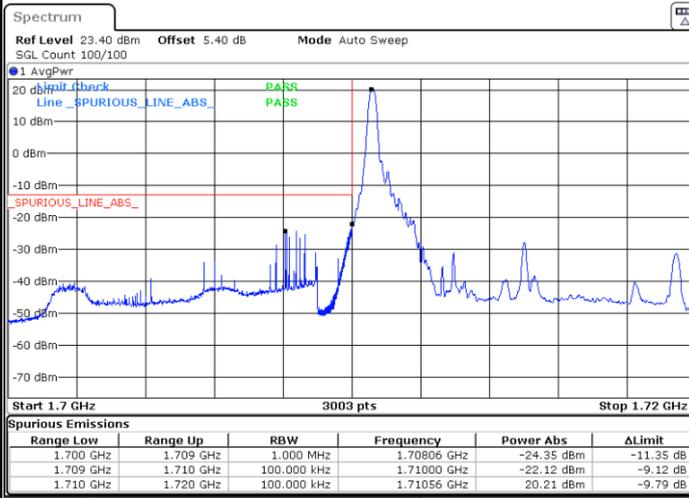


Date: 3 DEC.2019 19:38:25



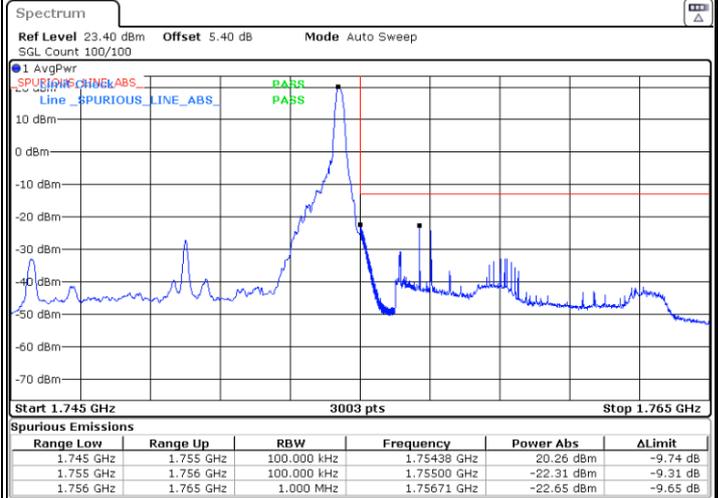
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



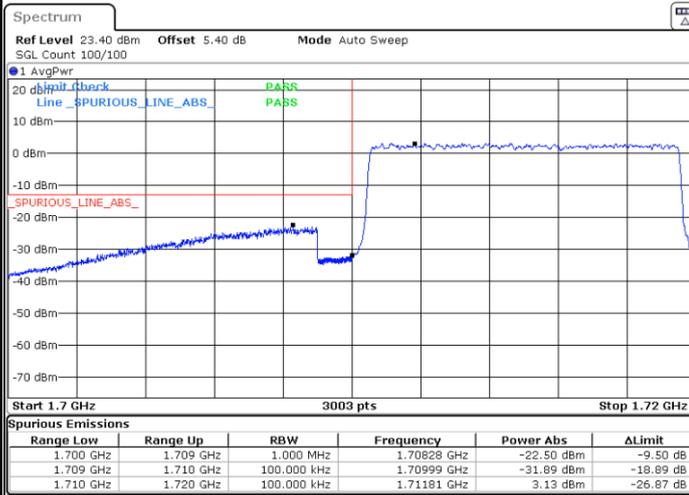
Date: 3 DEC.2019 19:27:49

Highest Band Edge / 1 RB



Date: 3 DEC.2019 19:37:17

Lowest Band Edge / Full RB



Date: 3 DEC.2019 19:30:04

Highest Band Edge / Full RB

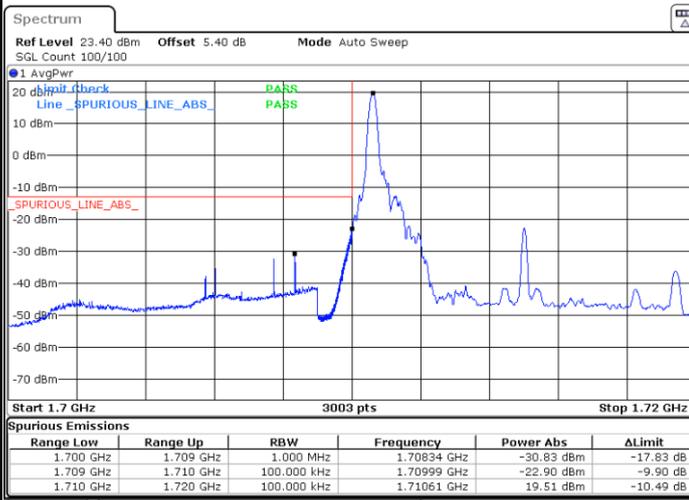


Date: 3 DEC.2019 19:45:02



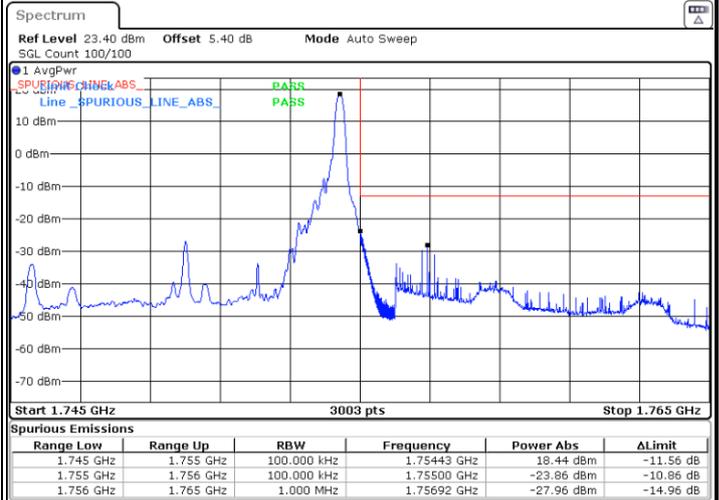
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



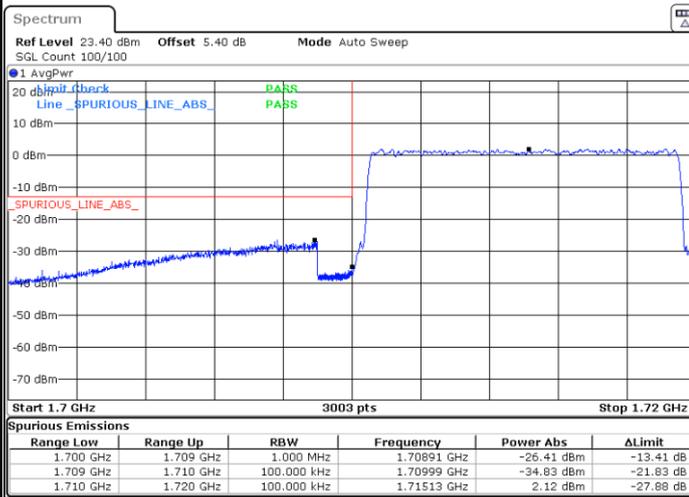
Date: 3 DEC.2019 21:09:13

Highest Band Edge / 1 RB



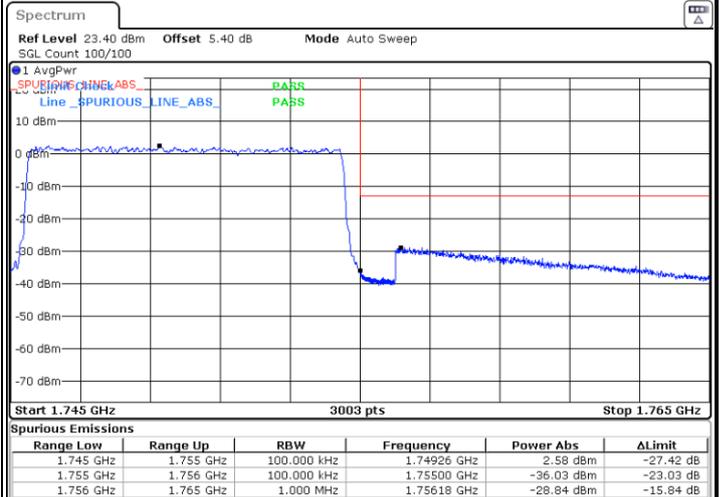
Date: 3 DEC.2019 21:13:59

Lowest Band Edge / Full RB



Date: 3 DEC.2019 21:10:21

Highest Band Edge / Full RB

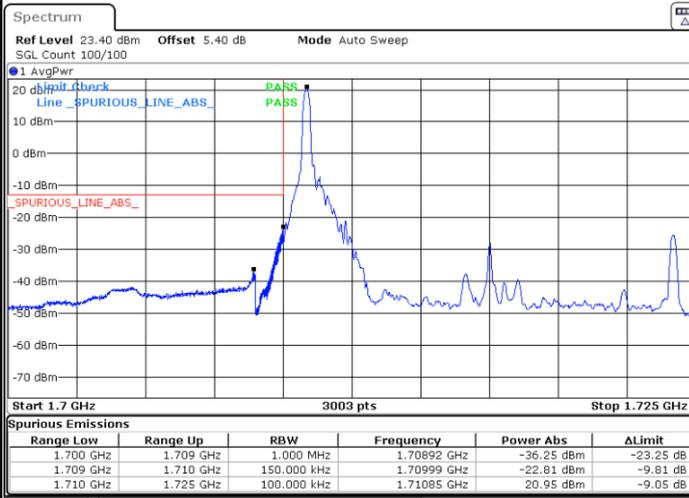


Date: 3 DEC.2019 21:15:06



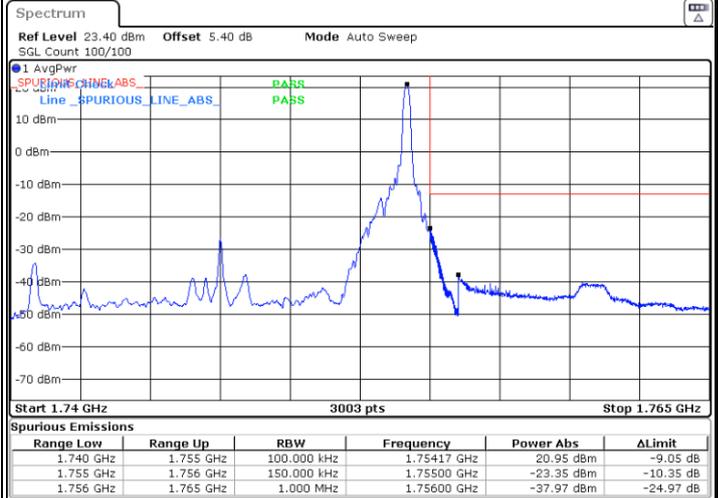
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



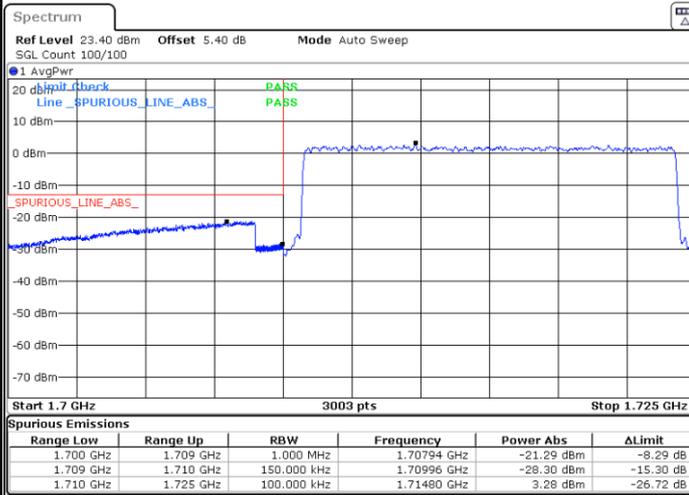
Date: 3 DEC.2019 19:48:39

Highest Band Edge / 1 RB



Date: 3 DEC.2019 19:58:06

Lowest Band Edge / Full RB



Date: 3 DEC.2019 19:50:53

Highest Band Edge / Full RB

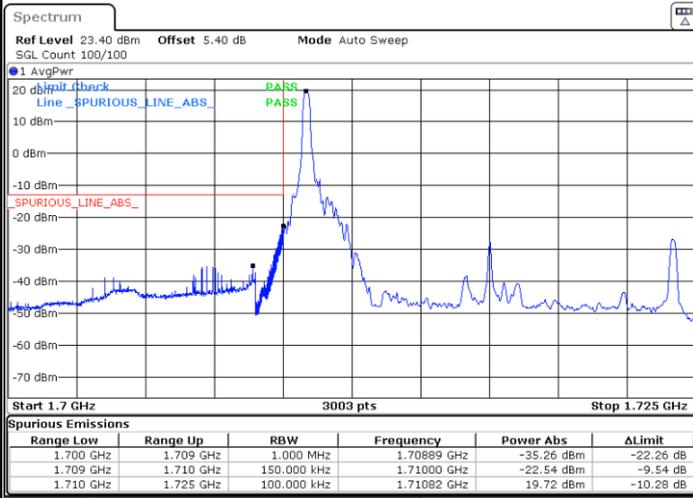


Date: 3 DEC.2019 20:00:21



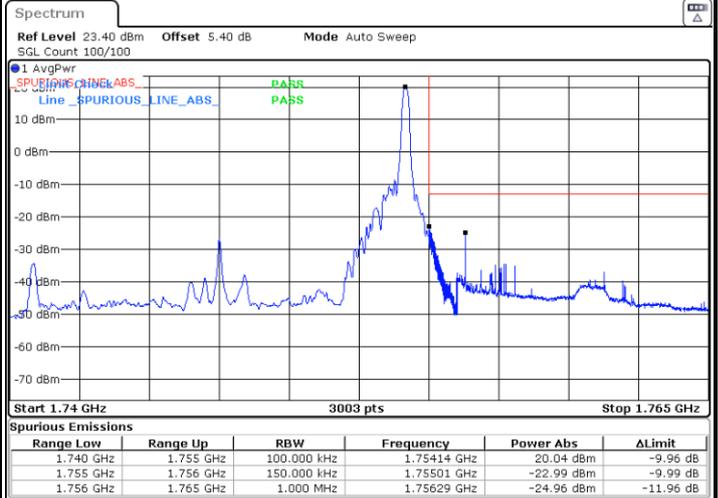
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



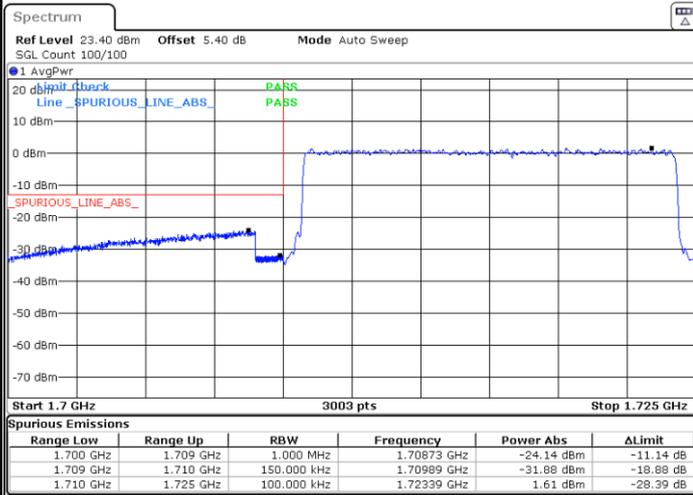
Date: 3 DEC.2019 19:49:46

Highest Band Edge / 1 RB



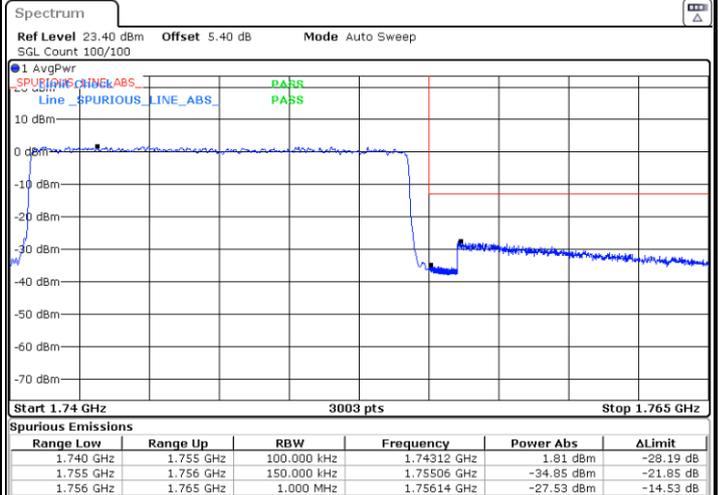
Date: 3 DEC.2019 19:59:14

Lowest Band Edge / Full RB



Date: 3 DEC.2019 19:52:01

Highest Band Edge / Full RB

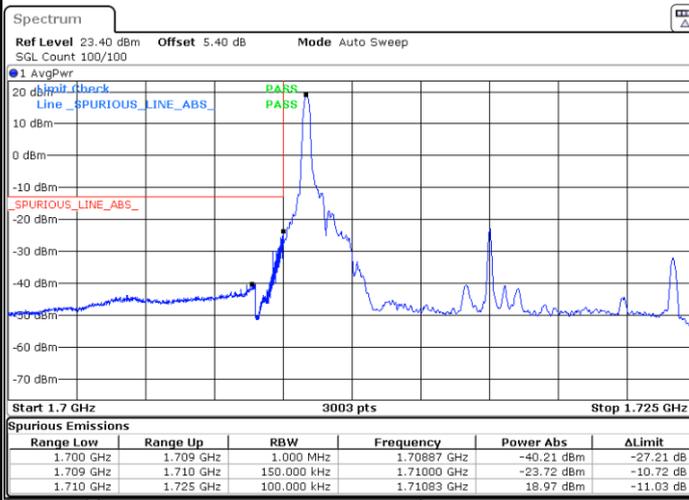


Date: 3 DEC.2019 20:01:29



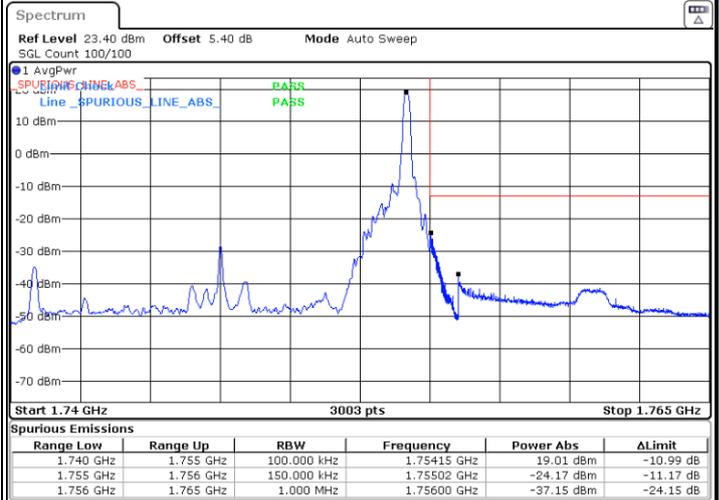
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



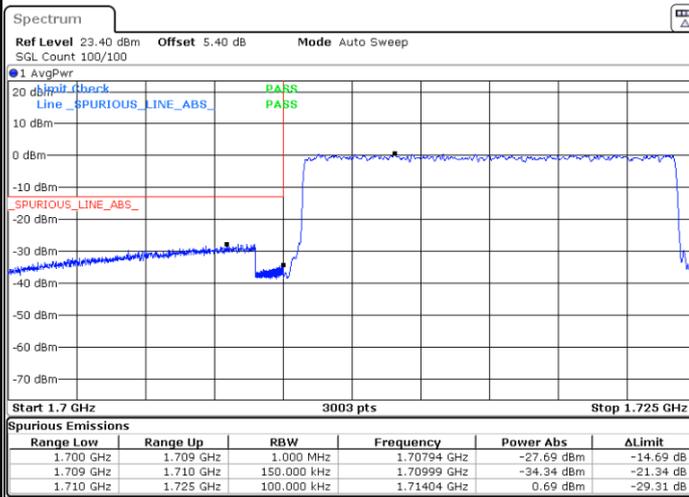
Date: 3 DEC.2019 21:17:28

Highest Band Edge / 1 RB



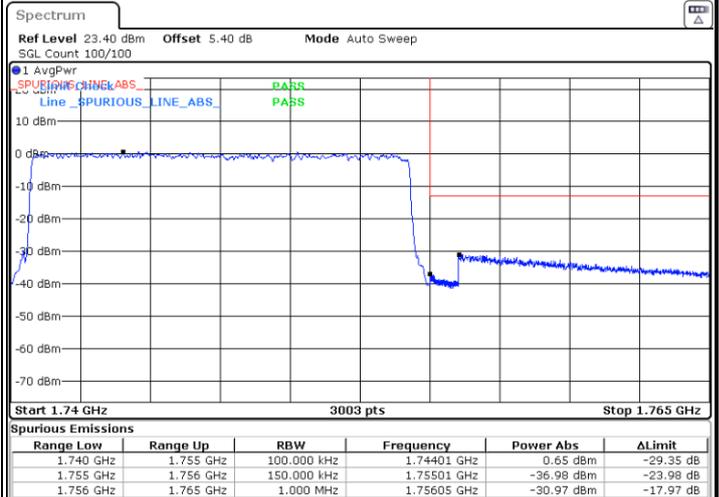
Date: 3 DEC.2019 21:22:12

Lowest Band Edge / Full RB



Date: 3 DEC.2019 21:18:36

Highest Band Edge / Full RB

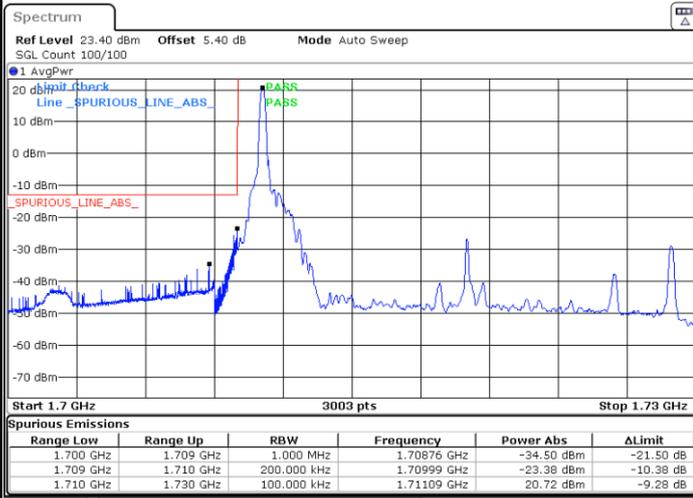


Date: 3 DEC.2019 21:23:20



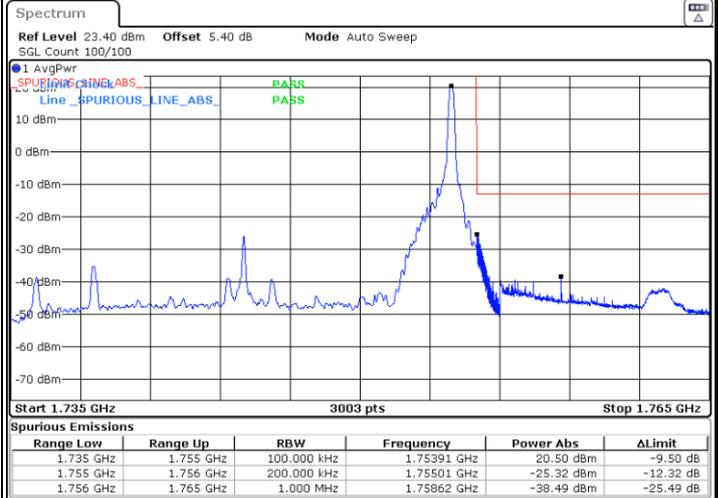
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



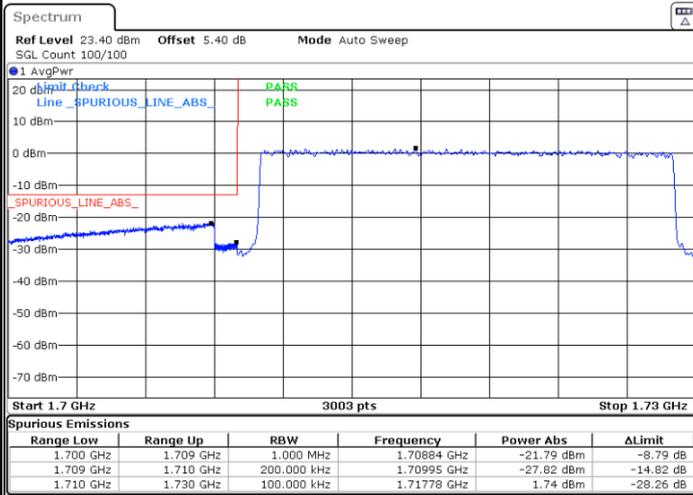
Date: 3 DEC.2019 20:05:06

Highest Band Edge / 1 RB



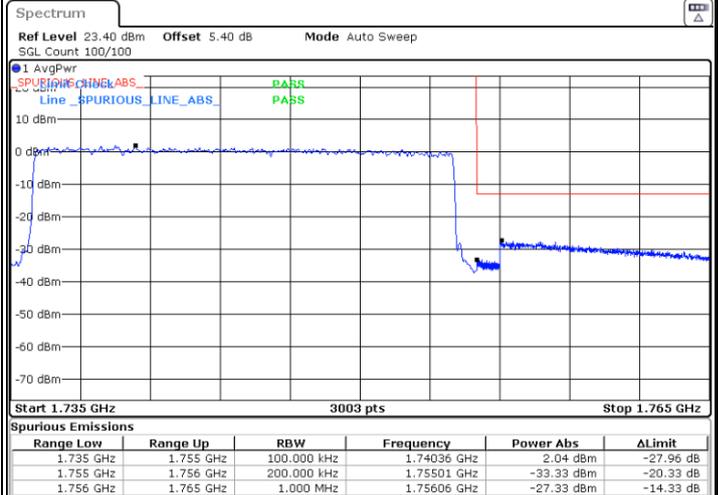
Date: 3 DEC.2019 20:37:51

Lowest Band Edge / Full RB



Date: 3 DEC.2019 20:07:21

Highest Band Edge / Full RB



Date: 3 DEC.2019 20:40:05