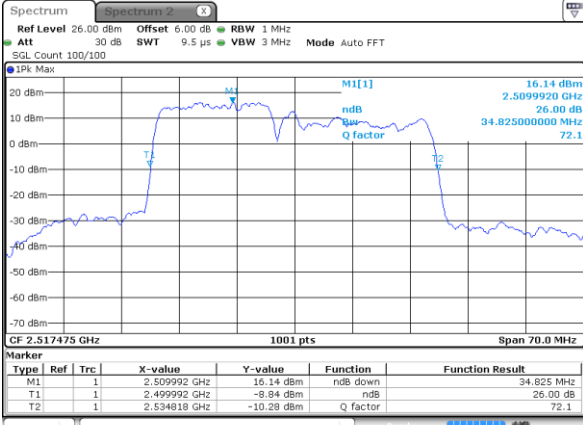




LTE Band 7 CA

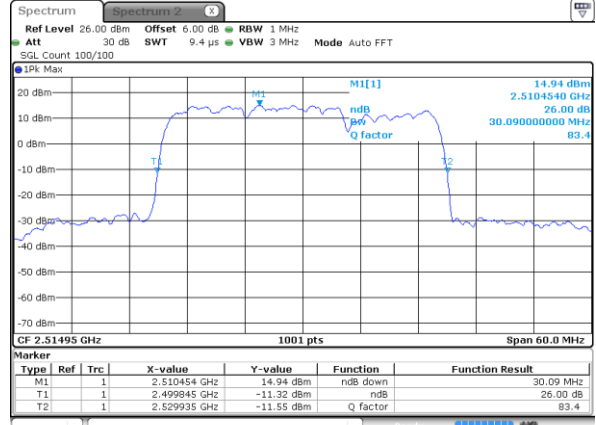
QPSK

Lowest Channel / 15MHz+20MHz



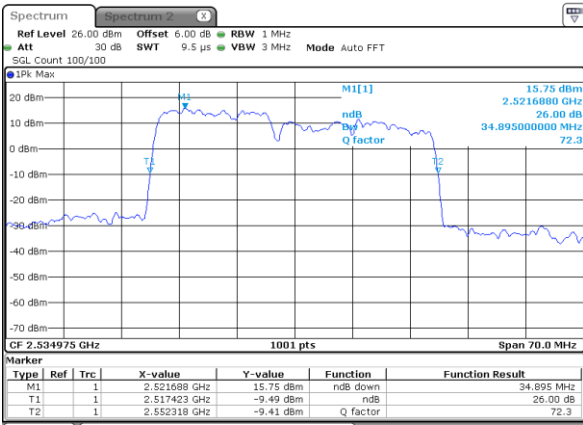
Date: 9 DEC 2019 19:51:35

Lowest Channel / 20MHz+10MHz



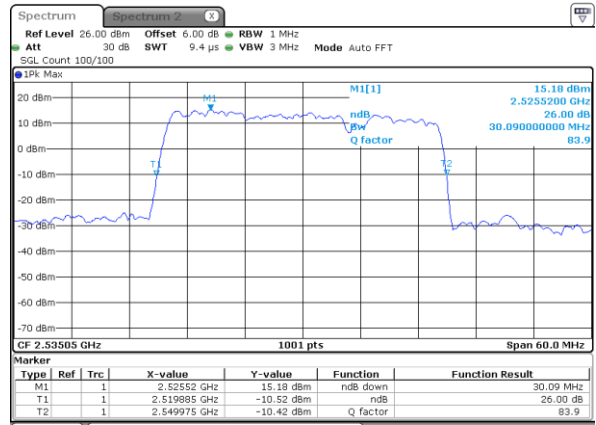
Date: 9 DEC 2019 18:48:03

Middle Channel / 15MHz+20MHz



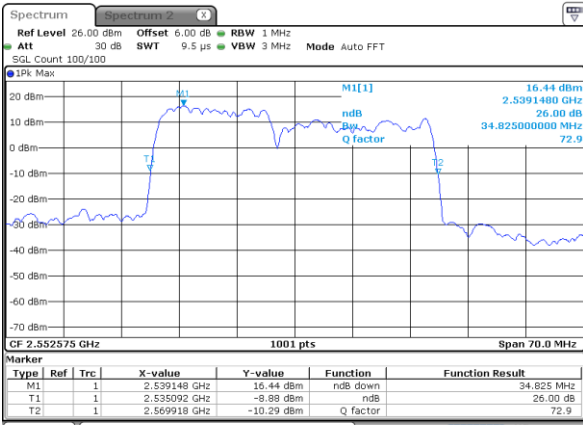
Date: 9 DEC 2019 20:05:09

Middle Channel / 20MHz+10MHz



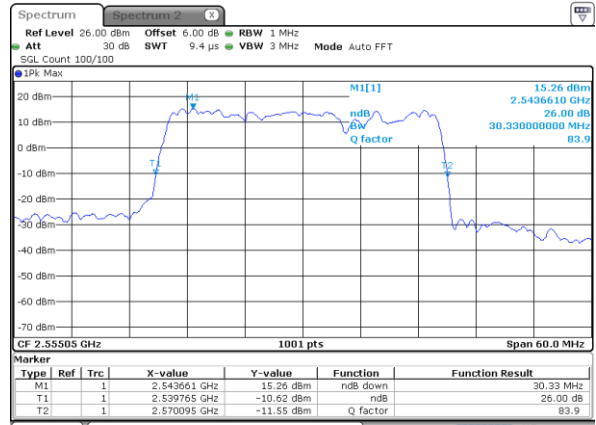
Date: 9 DEC 2019 19:00:23

Highest Channel / 15MHz+20MHz



Date: 9 DEC 2019 20:09:22

Highest Channel / 20MHz+10MHz



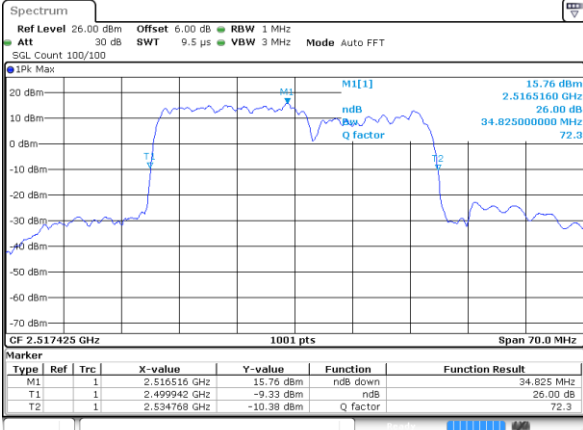
Date: 9 DEC 2019 19:04:03



LTE Band 7 CA

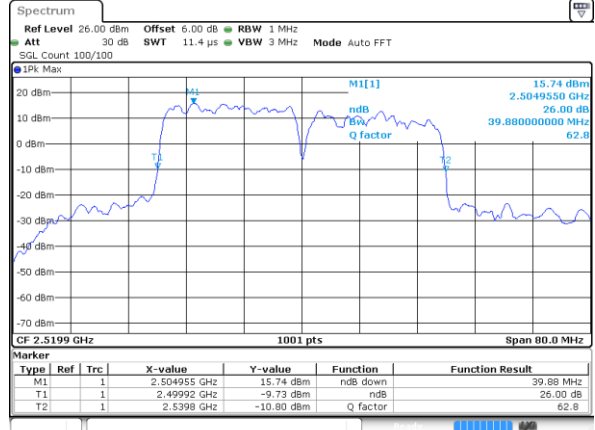
QPSK

Lowest Channel / 20MHz+15MHz



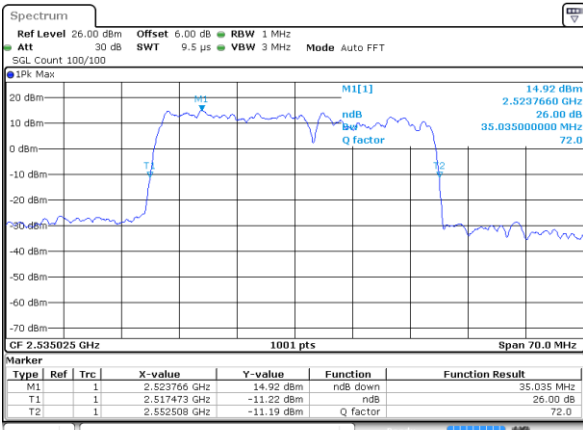
Date: 10 DEC 2019 11:53:16

Lowest Channel / 20MHz+20MHz



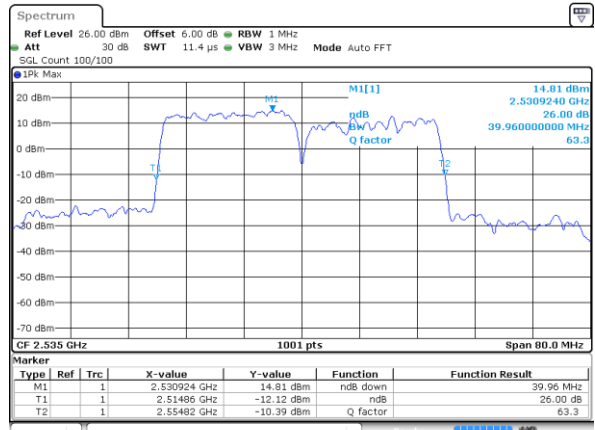
Date: 10 DEC 2019 14:20:28

Middle Channel / 20MHz+15MHz



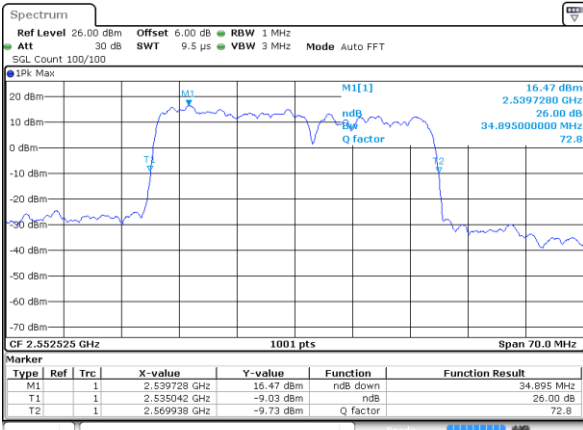
Date: 10 DEC 2019 12:08:48

Middle Channel / 20MHz+20MHz



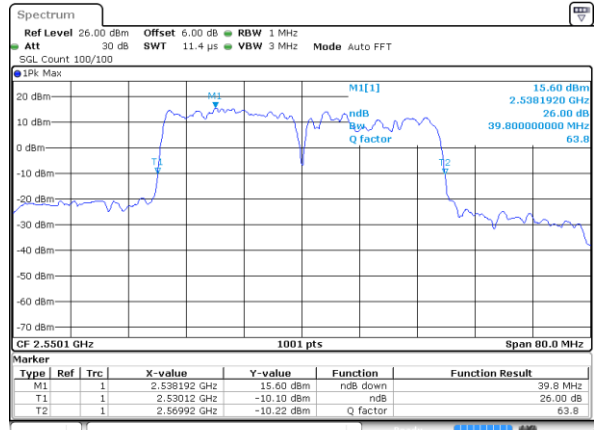
Date: 10 DEC 2019 14:21:46

Highest Channel / 20MHz+15MHz



Date: 10 DEC 2019 12:11:14

Highest Channel / 20MHz+20MHz



Date: 10 DEC 2019 14:31:58

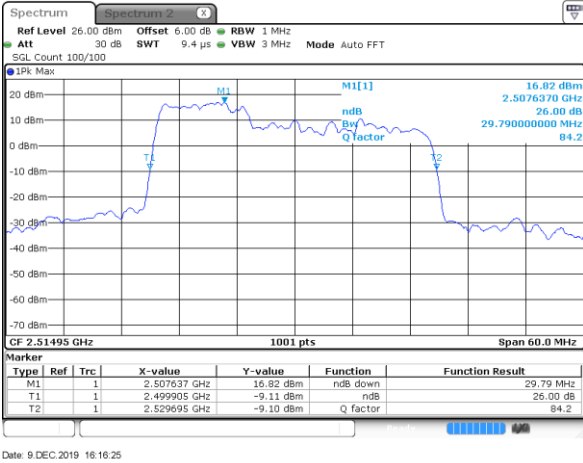


LTE Band 7 CA

16QAM

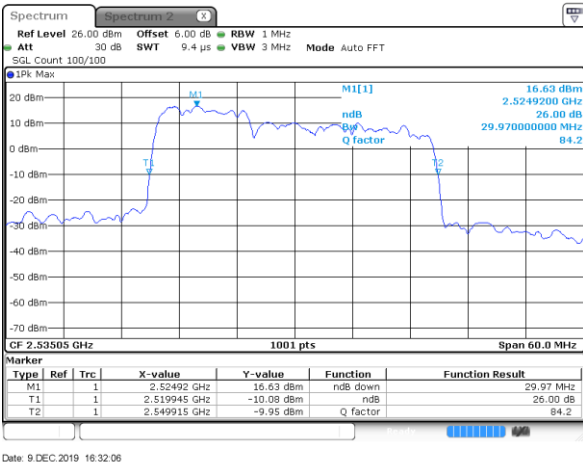
Lowest Channel / 10MHz+20MHz

-



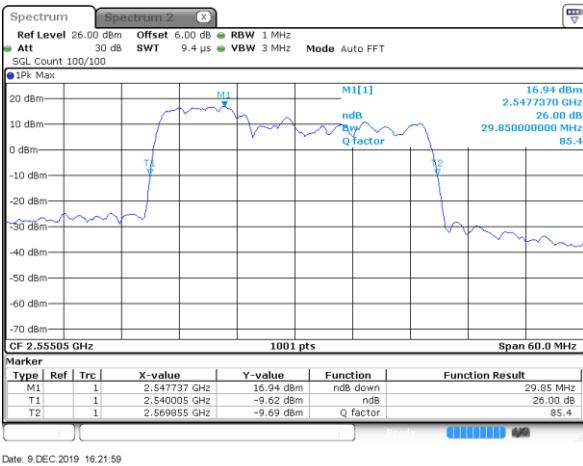
Middle Channel / 10MHz+20MHz

-



Highest Channel / 10MHz+20MHz

-

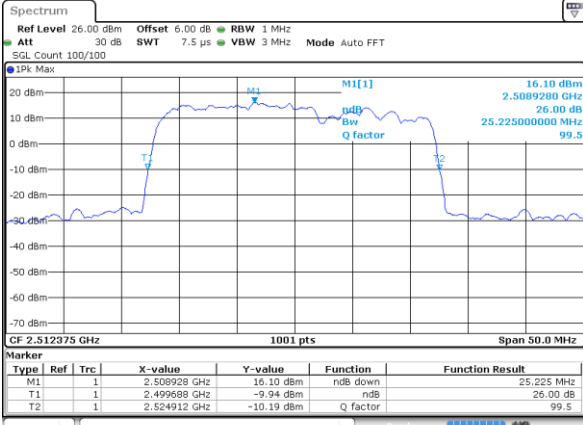




LTE Band 7 CA

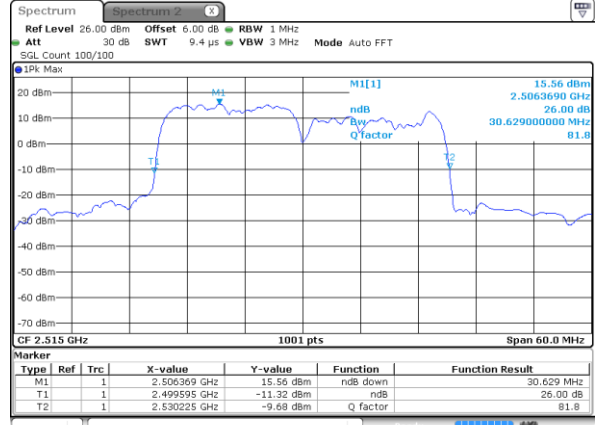
16QAM

Lowest Channel / 15MHz+10MHz



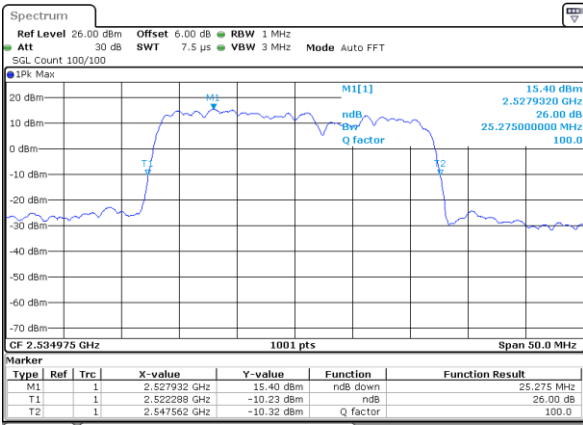
Date: 10 DEC 2019 14:40:19

Lowest Channel / 15MHz+15MHz



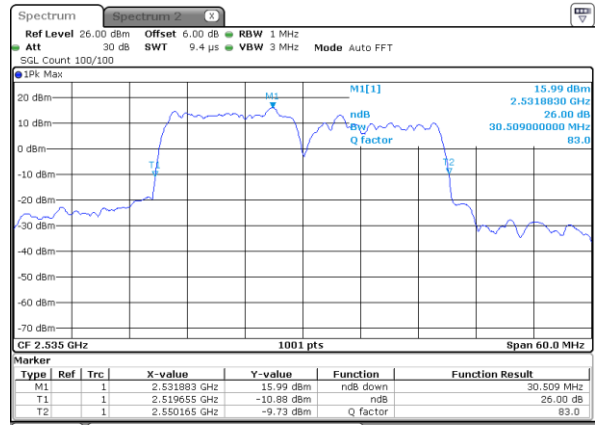
Date: 9 DEC 2019 19:16:11

Middle Channel / 15MHz+10MHz



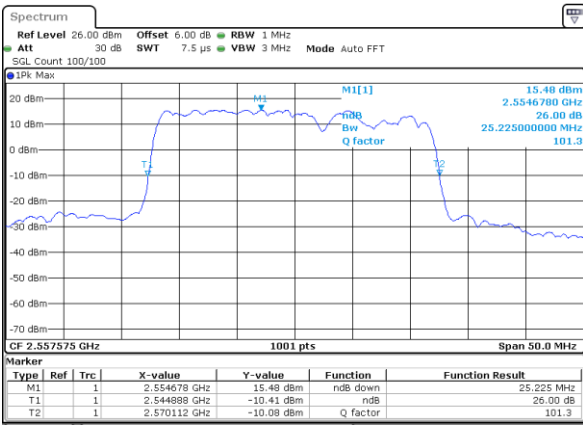
Date: 10 DEC 2019 14:52:05

Middle Channel / 15MHz+15MHz



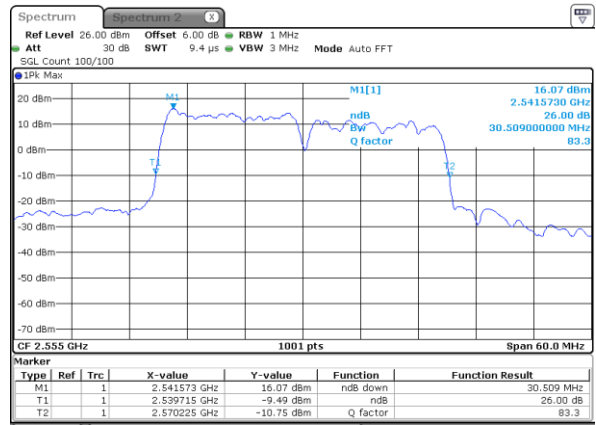
Date: 9 DEC 2019 19:41:33

Highest Channel / 15MHz+10MHz



Date: 10 DEC 2019 14:54:20

Highest Channel / 15MHz+15MHz



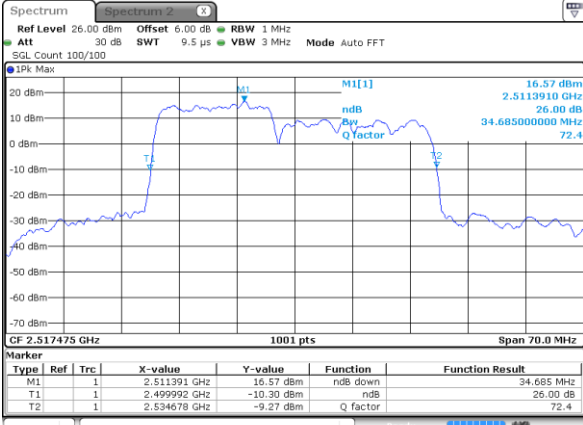
Date: 9 DEC 2019 19:44:06



LTE Band 7 CA

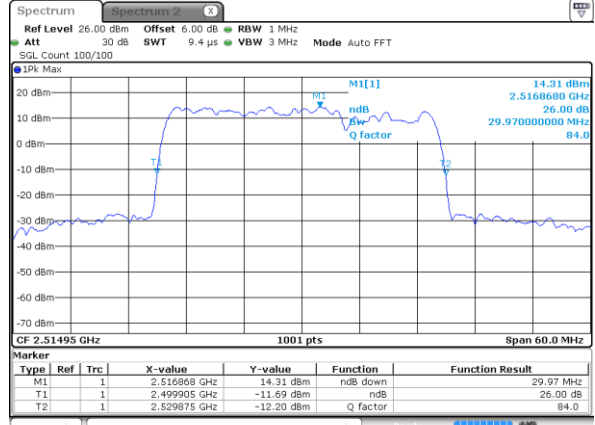
16QAM

Lowest Channel / 15MHz+20MHz



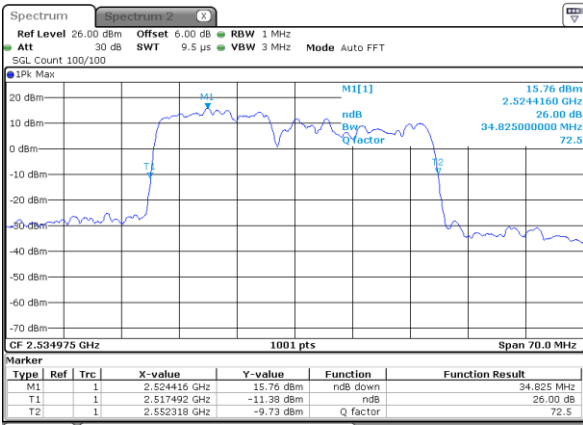
Date: 9 DEC 2019 19:52:23

Lowest Channel / 20MHz+10MHz



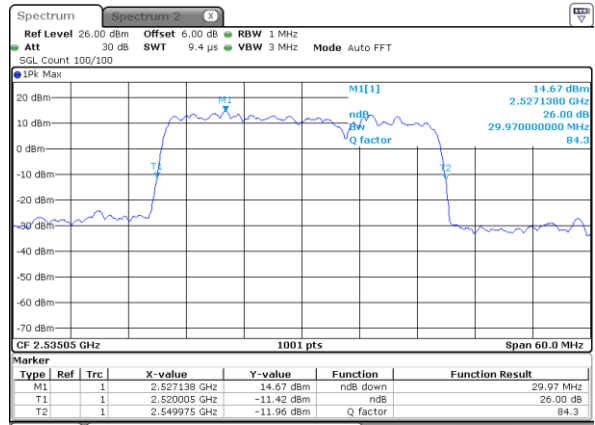
Date: 9 DEC 2019 18:49:07

Middle Channel / 15MHz+20MHz



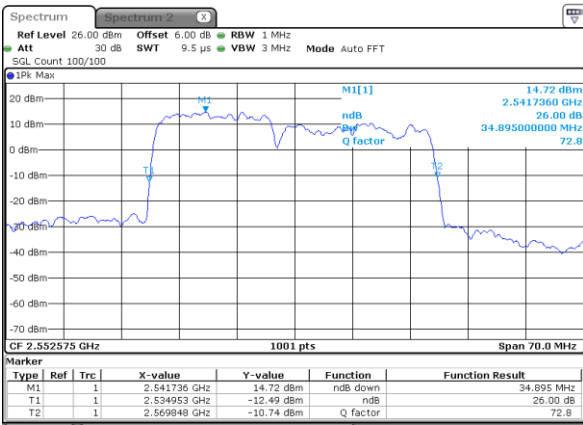
Date: 9 DEC 2019 20:05:41

Middle Channel / 20MHz+10MHz



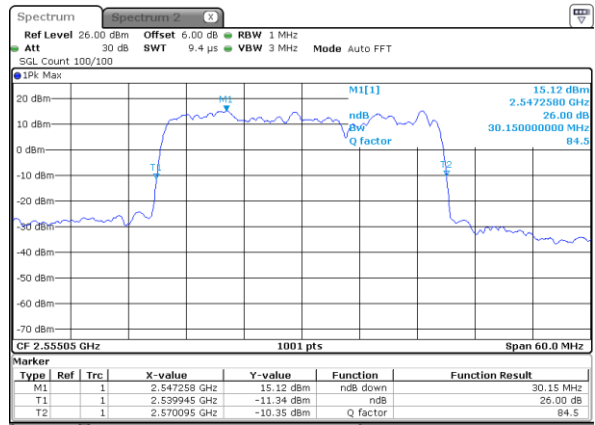
Date: 9 DEC 2019 19:00:49

Highest Channel / 15MHz+20MHz



Date: 9 DEC 2019 20:08:39

Highest Channel / 20MHz+10MHz



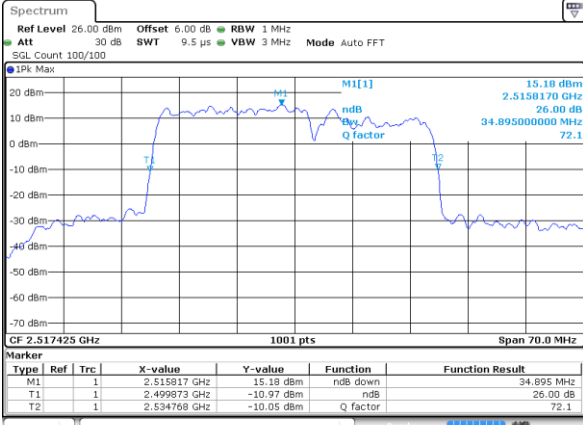
Date: 9 DEC 2019 19:03:03



LTE Band 7 CA

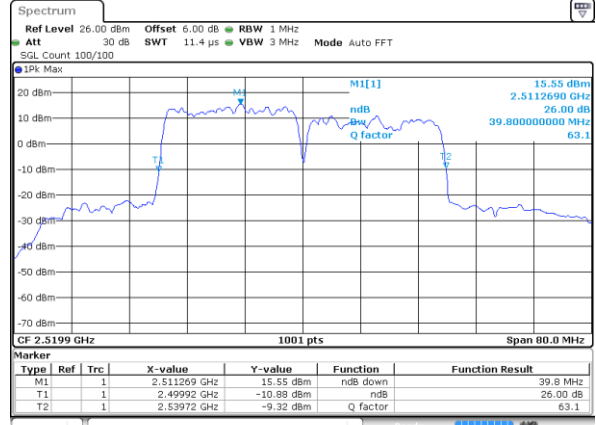
16QAM

Lowest Channel / 20MHz+15MHz



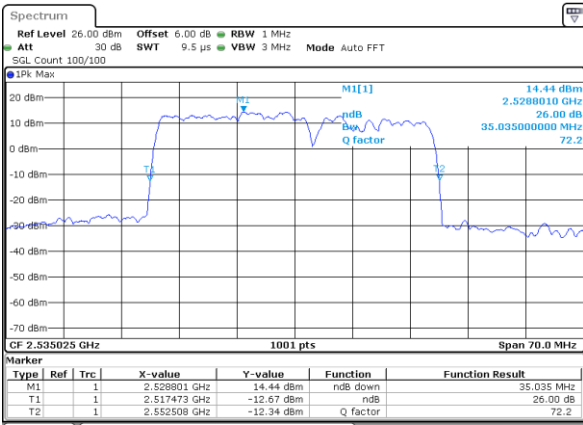
Date: 10 DEC 2019 11:53:54

Lowest Channel / 20MHz+20MHz



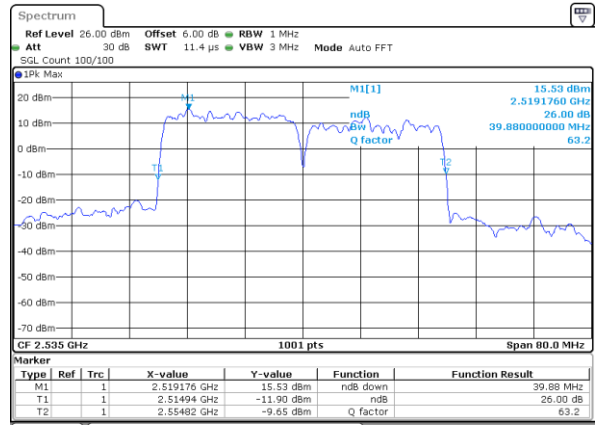
Date: 10 DEC 2019 14:19:49

Middle Channel / 20MHz+15MHz



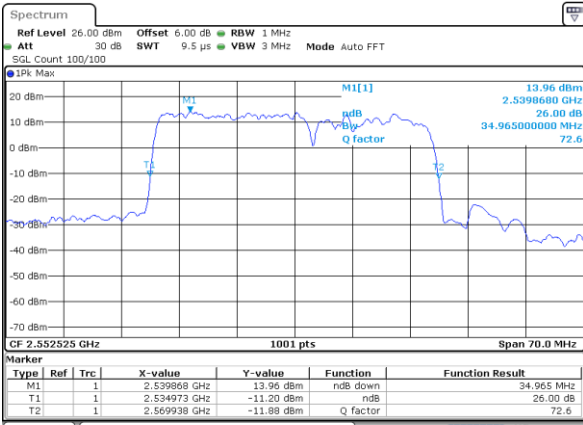
Date: 10 DEC 2019 12:09:13

Middle Channel / 20MHz+20MHz



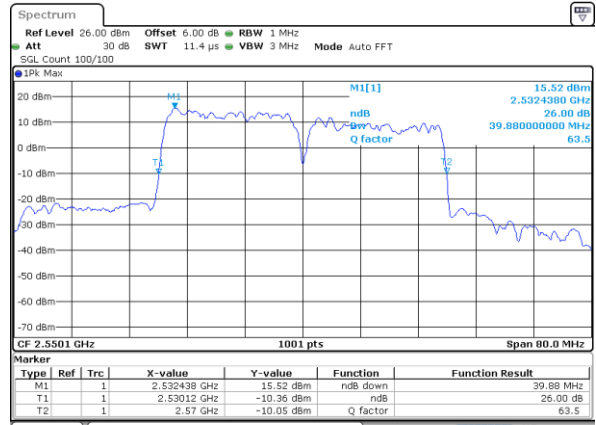
Date: 10 DEC 2019 14:22:16

Highest Channel / 20MHz+15MHz



Date: 10 DEC 2019 12:10:54

Highest Channel / 20MHz+20MHz



Date: 10 DEC 2019 14:32:44



Occupied Bandwidth

Mode	LTE Band 7 CA : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.81	-	23.48	28.41
Middle CH	27.75	-	23.23	28.35
Highest CH	28.05	-	23.33	28.47
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.73	28.11	32.73	37.40
Middle CH	32.24	27.99	32.66	37.56
Highest CH	32.73	28.11	32.73	37.72

Mode	LTE Band 7 CA : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	27.51	-	23.28	28.35
Middle CH	27.69	-	23.28	28.65
Highest CH	27.87	-	23.43	28.41
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	32.80	27.57	32.94	37.40
Middle CH	32.45	27.99	32.66	37.32
Highest CH	33.01	28.05	32.94	37.56

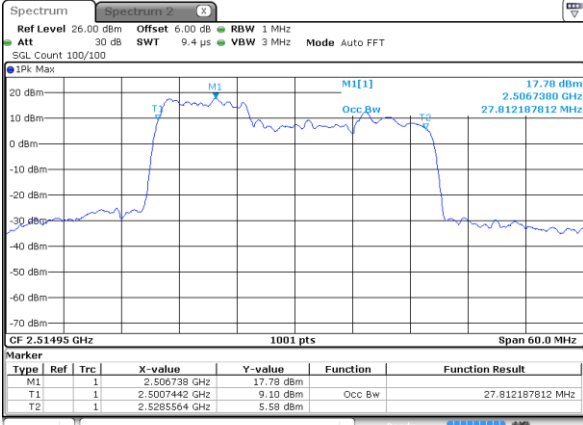


LTE Band 7 CA

QPSK

Lowest Channel / 10MHz+20MHz

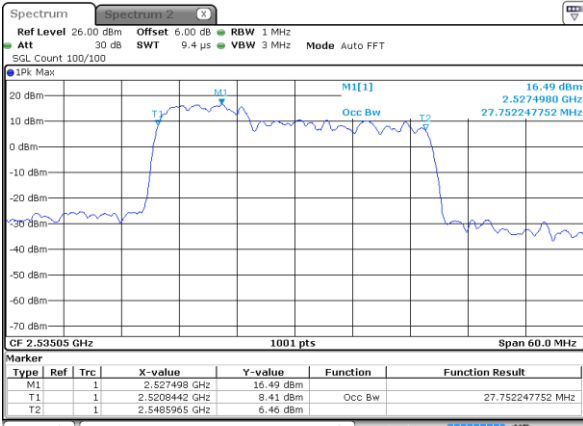
-



Date: 9 DEC 2019 16:17:10

Middle Channel / 10MHz+20MHz

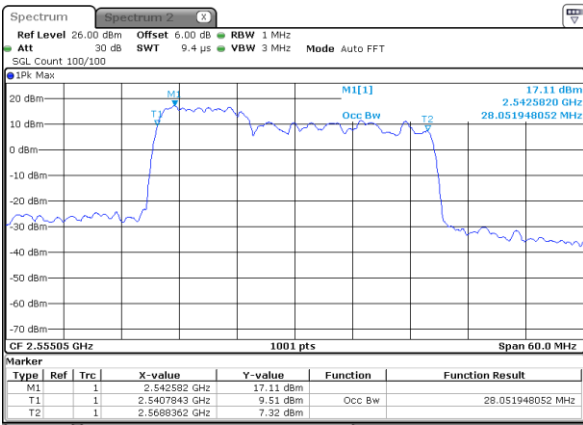
-



Date: 9 DEC 2019 16:32:20

Highest Channel / 10MHz+20MHz

-



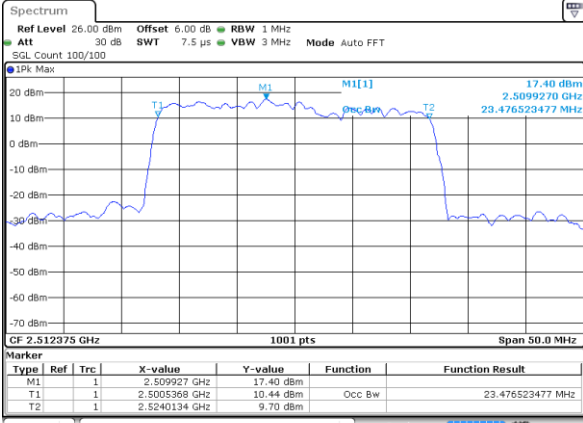
Date: 9 DEC 2019 16:21:20



LTE Band 7 CA

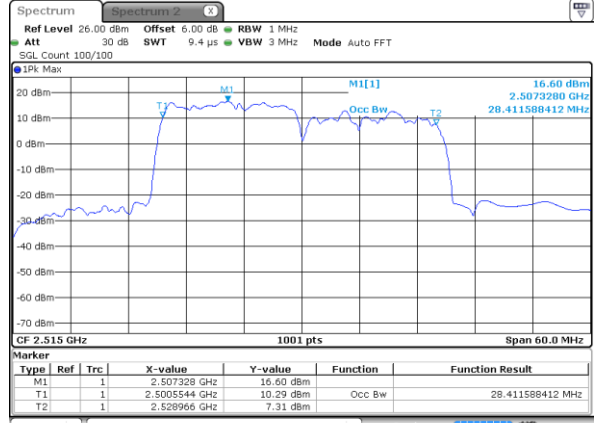
QPSK

Lowest Channel / 15MHz+10MHz



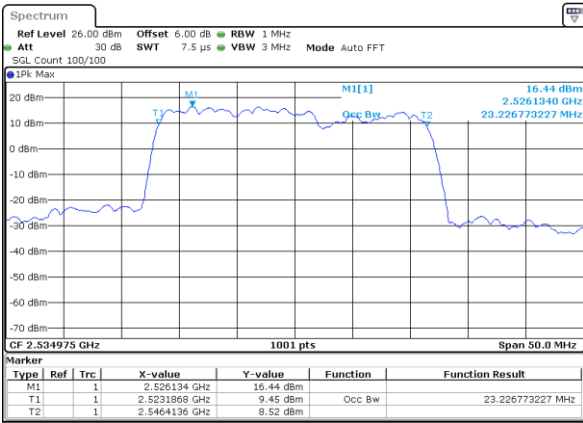
Date: 10 DEC 2019 14:40:49

Lowest Channel / 15MHz+15MHz



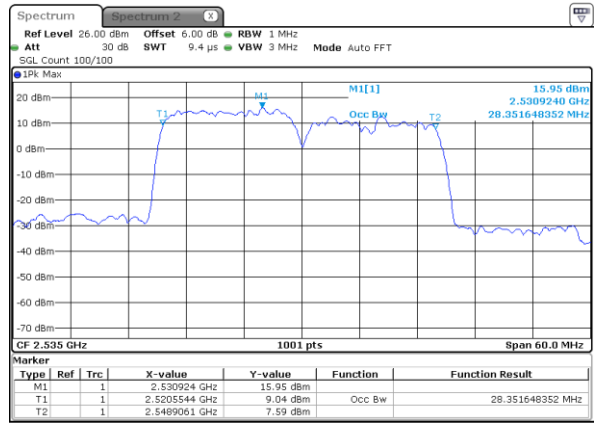
Date: 9 DEC 2019 19:15:00

Middle Channel / 15MHz+10MHz



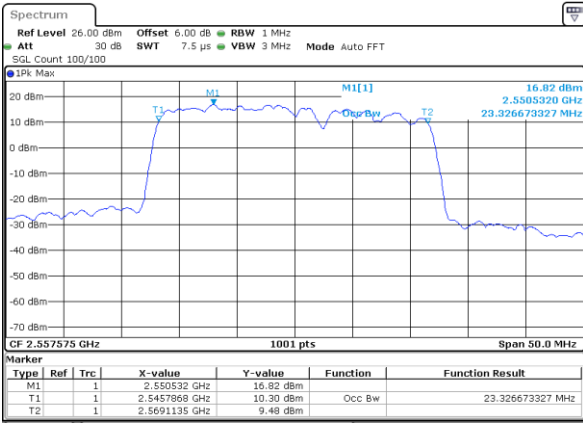
Date: 10 DEC 2019 14:52:20

Middle Channel / 15MHz+15MHz



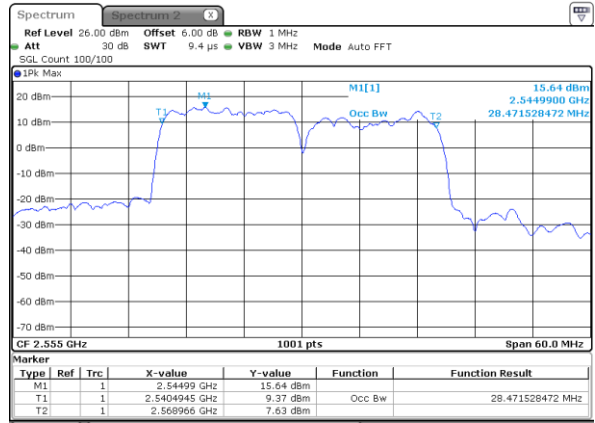
Date: 9 DEC 2019 19:41:00

Highest Channel / 15MHz+10MHz



Date: 10 DEC 2019 14:53:39

Highest Channel / 15MHz+15MHz



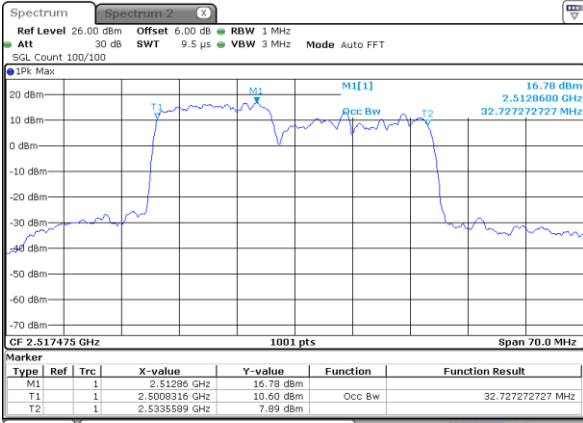
Date: 9 DEC 2019 19:44:39



LTE Band 7 CA

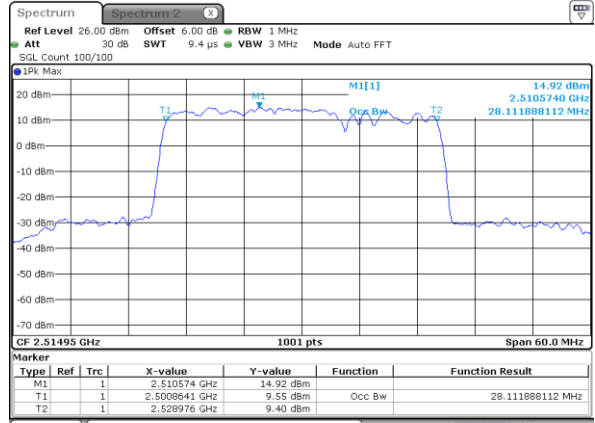
QPSK

Lowest Channel / 15MHz+20MHz



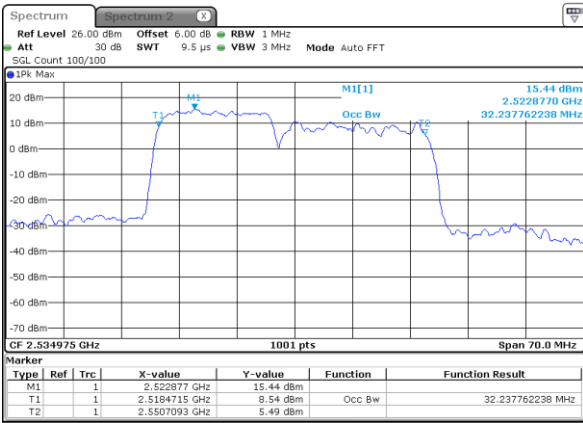
Date: 9 DEC.2019 19:51:28

Lowest Channel / 20MHz+10MHz



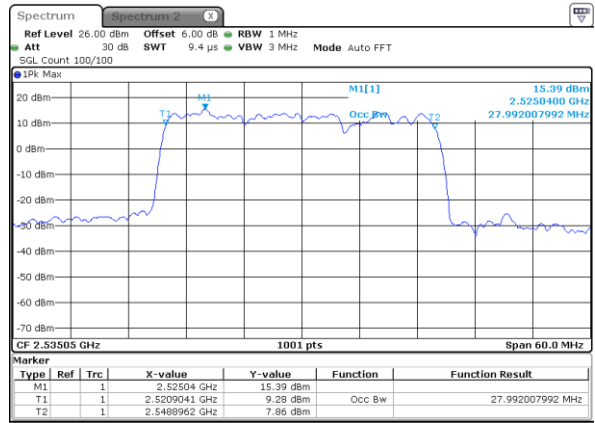
Date: 9 DEC.2019 18:47:51

Middle Channel / 15MHz+20MHz



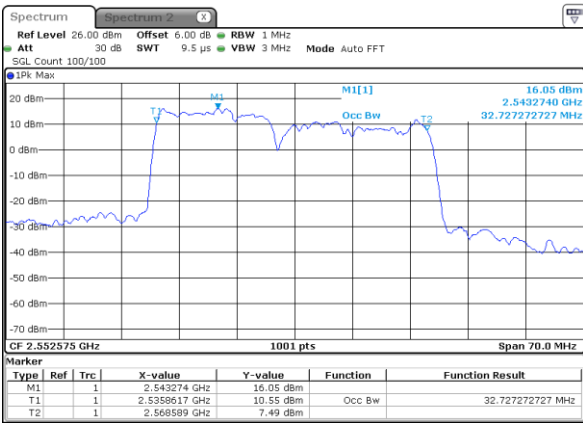
Date: 9 DEC.2019 20:05:02

Middle Channel / 20MHz+10MHz



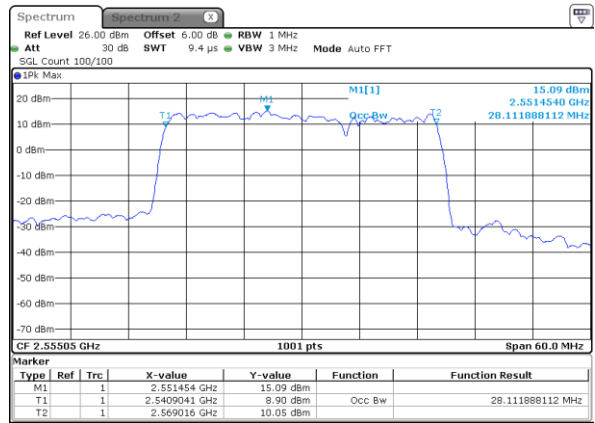
Date: 9 DEC.2019 19:00:15

Highest Channel / 15MHz+20MHz



Date: 9 DEC.2019 20:09:15

Highest Channel / 20MHz+10MHz



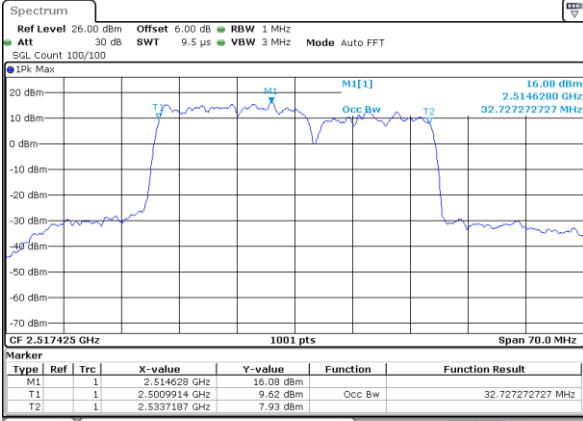
Date: 9 DEC.2019 19:03:53



LTE Band 7 CA

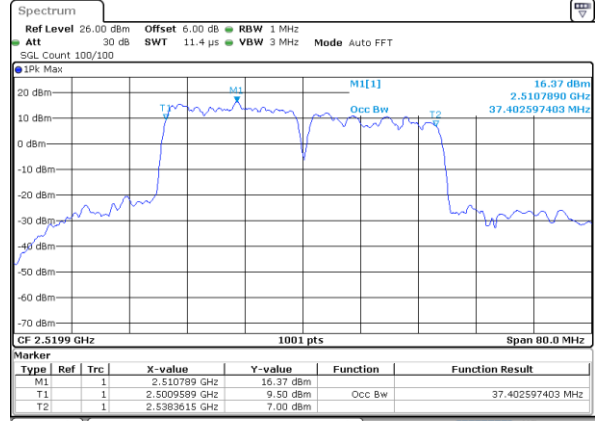
QPSK

Lowest Channel / 20MHz+15MHz



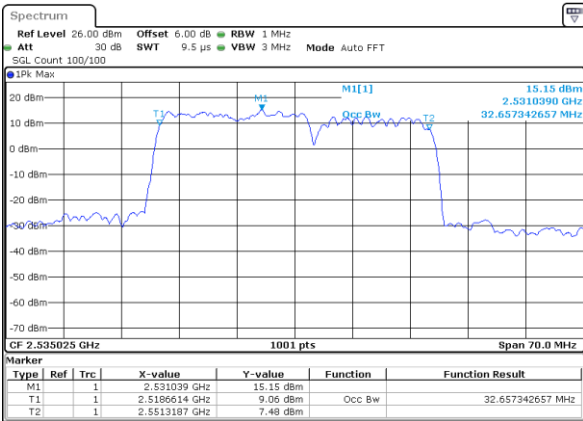
Date: 10 DEC 2019 11:52:59

Lowest Channel / 20MHz+20MHz



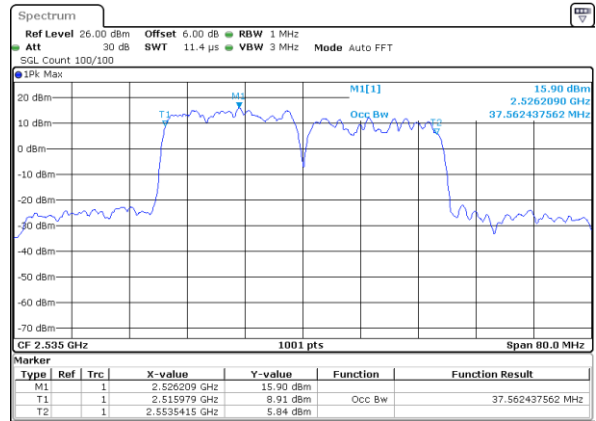
Date: 10 DEC 2019 14:20:19

Middle Channel / 20MHz+15MHz



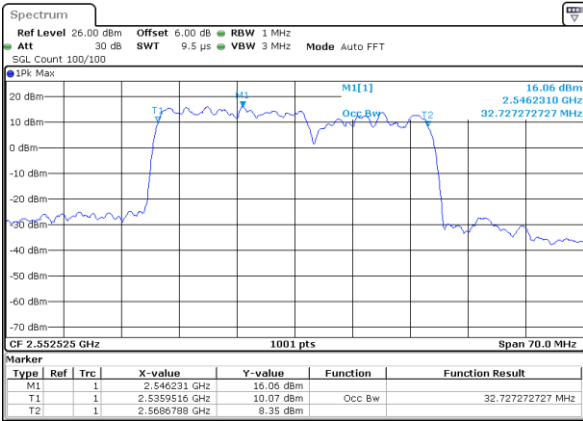
Date: 10 DEC 2019 12:08:41

Middle Channel / 20MHz+20MHz



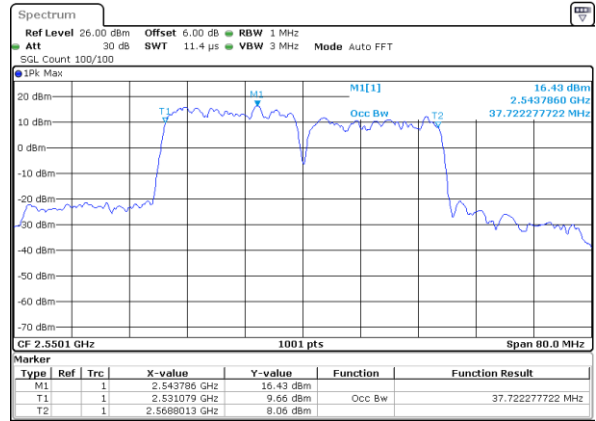
Date: 10 DEC 2019 14:21:38

Highest Channel / 20MHz+15MHz



Date: 10 DEC 2019 12:11:07

Highest Channel / 20MHz+20MHz



Date: 10 DEC 2019 14:31:50

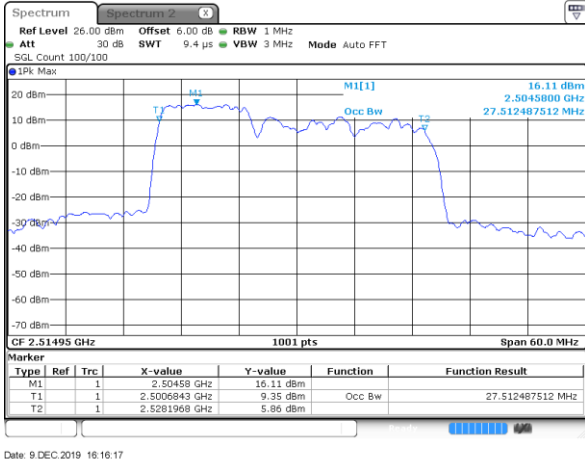


LTE Band 7 CA

16QAM

Lowest Channel / 10MHz+20MHz

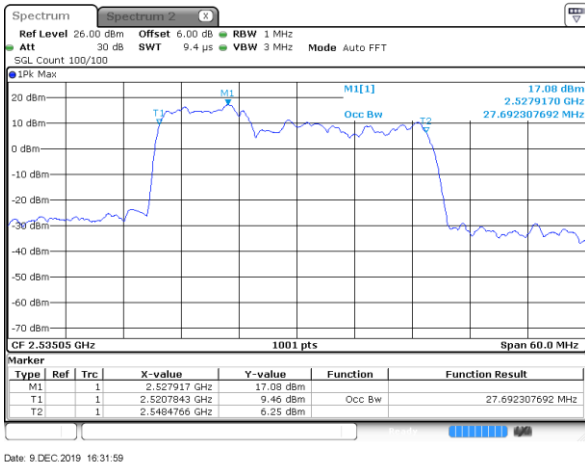
-



Date: 9 DEC 2019 16:16:17

Middle Channel / 10MHz+20MHz

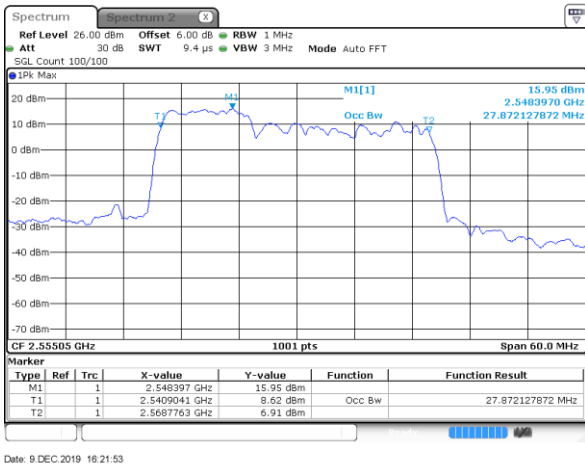
-



Date: 9 DEC 2019 16:31:59

Highest Channel / 10MHz+20MHz

-



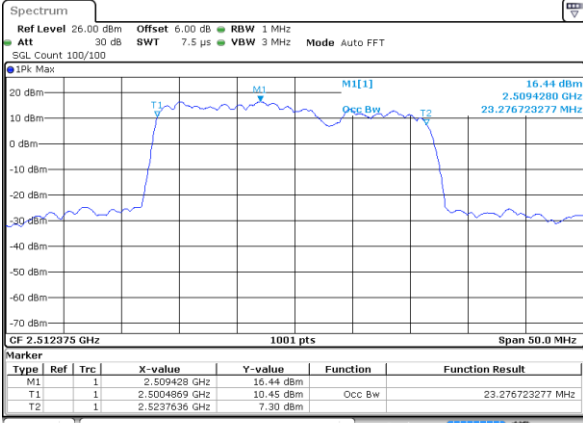
Date: 9 DEC 2019 16:21:53



LTE Band 7 CA

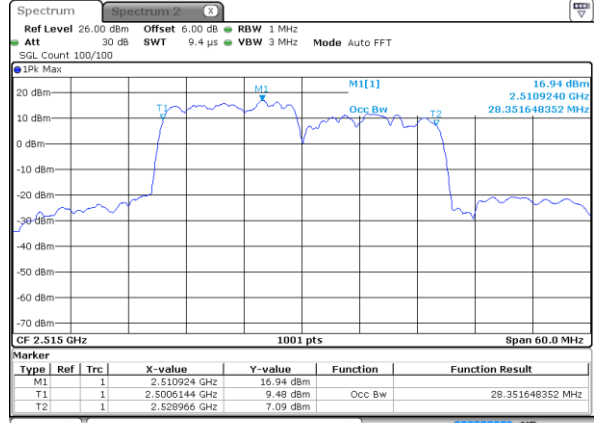
16QAM

Lowest Channel / 15MHz+10MHz



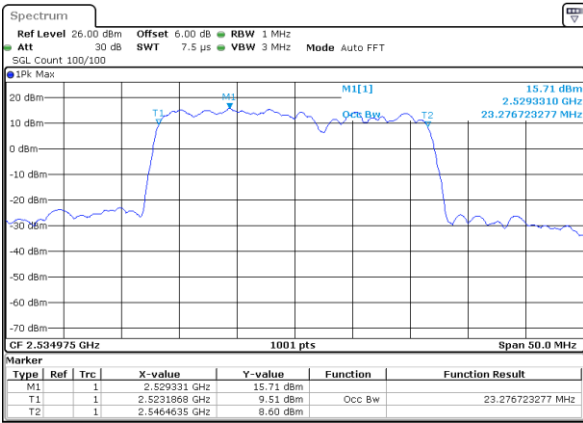
Date: 10 DEC 2019 14:40:13

Lowest Channel / 15MHz+15MHz



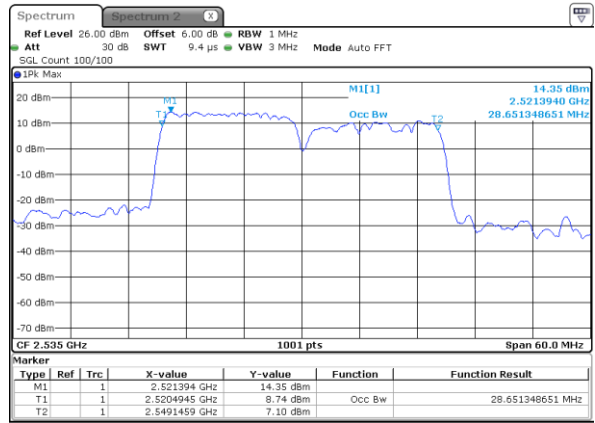
Date: 9 DEC 2019 19:16:03

Middle Channel / 15MHz+10MHz



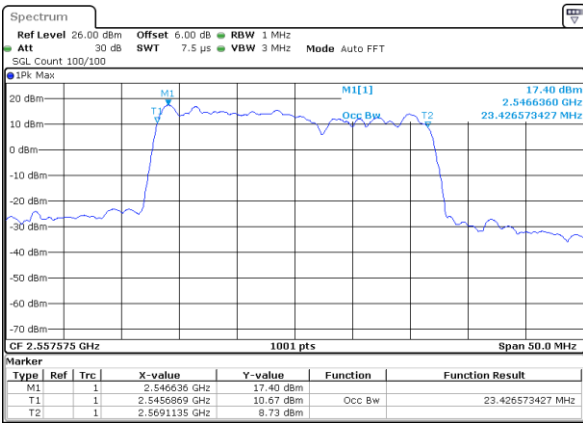
Date: 10 DEC 2019 14:51:57

Middle Channel / 15MHz+15MHz



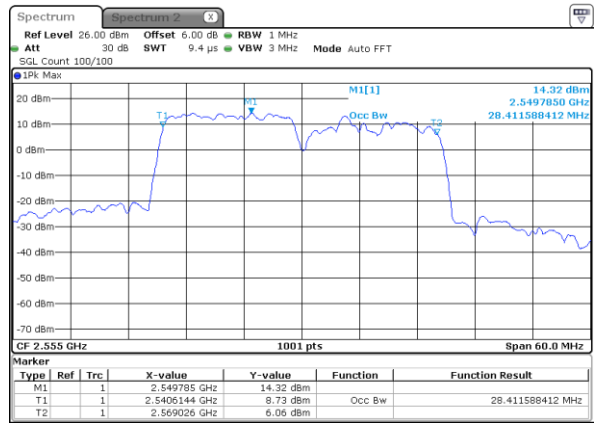
Date: 9 DEC 2019 19:41:25

Highest Channel / 15MHz+10MHz



Date: 10 DEC 2019 14:54:15

Highest Channel / 15MHz+15MHz



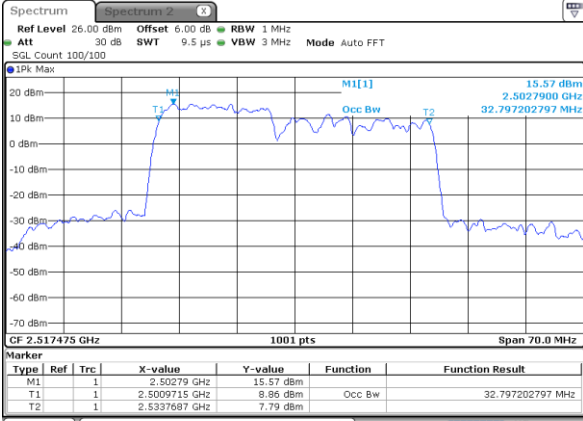
Date: 9 DEC 2019 19:43:59



LTE Band 7 CA

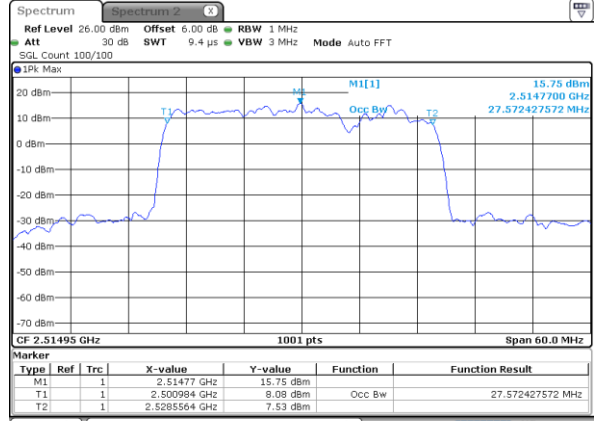
16QAM

Lowest Channel / 15MHz+20MHz



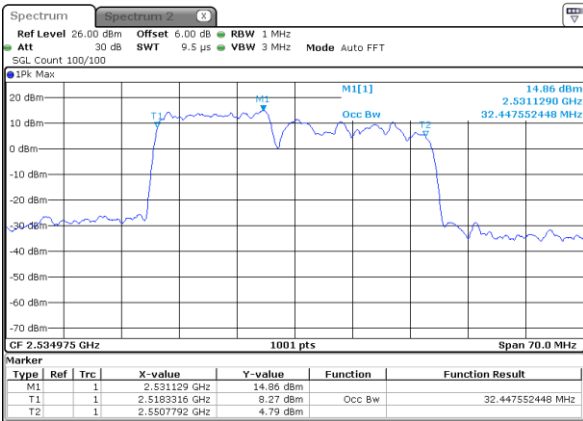
Date: 9 DEC.2019 19:52:12

Lowest Channel / 20MHz+10MHz



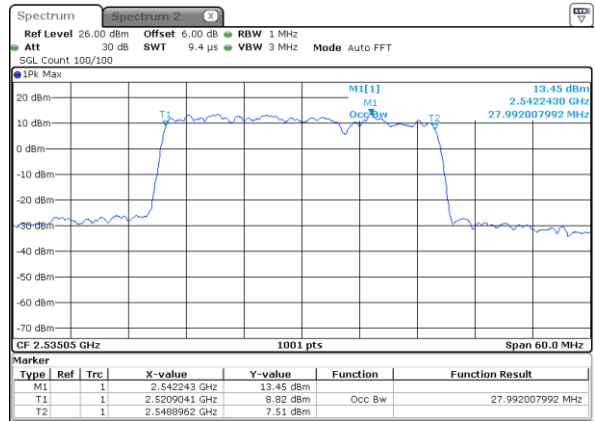
Date: 9 DEC.2019 18:46:58

Middle Channel / 15MHz+20MHz



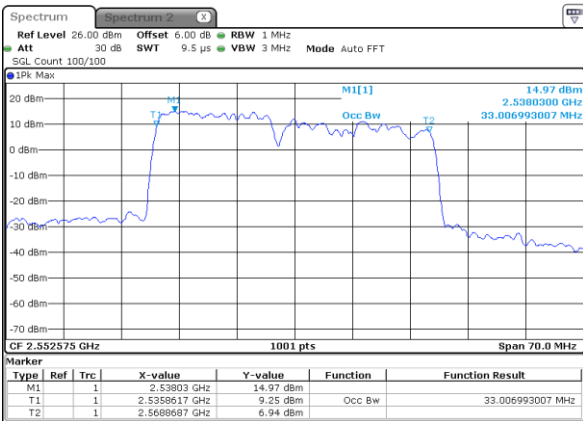
Date: 9 DEC.2019 20:05:33

Middle Channel / 20MHz+10MHz



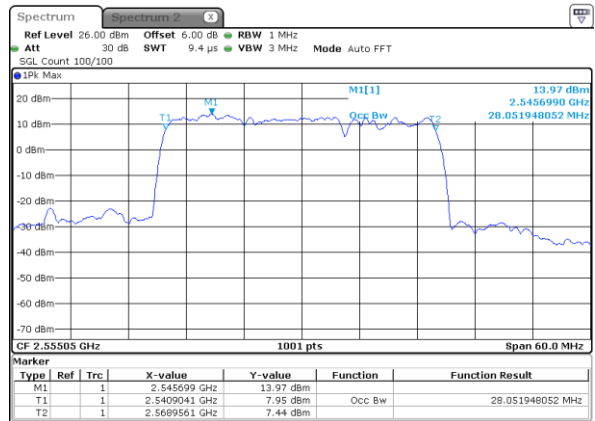
Date: 9 DEC.2019 19:00:42

Highest Channel / 15MHz+20MHz



Date: 9 DEC.2019 20:08:32

Highest Channel / 20MHz+10MHz



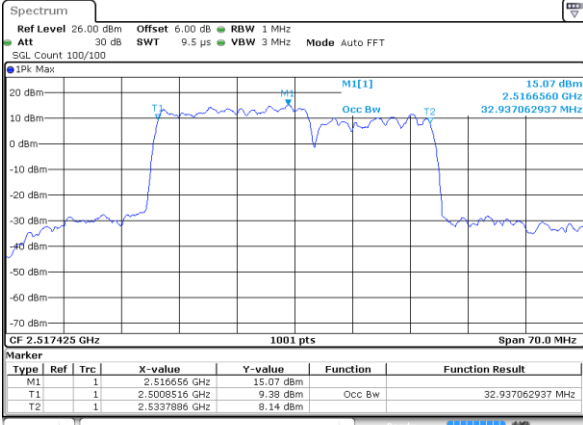
Date: 9 DEC.2019 19:02:53



LTE Band 7 CA

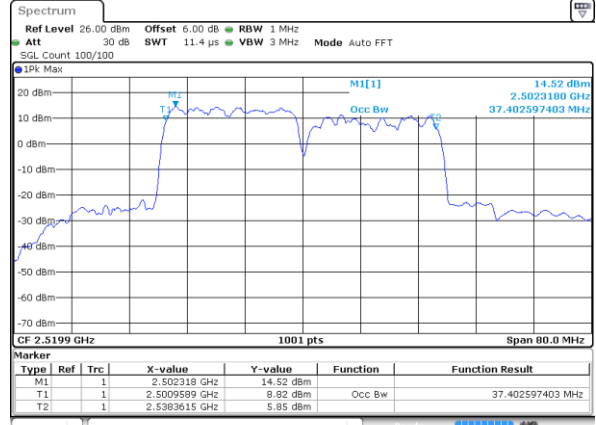
16QAM

Lowest Channel / 20MHz+15MHz



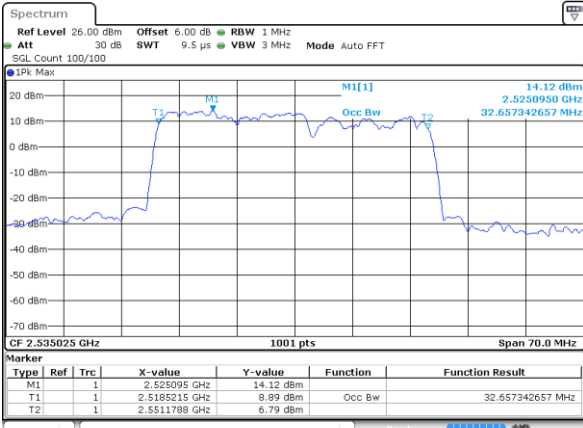
Date: 10 DEC 2019 11:53:47

Lowest Channel / 20MHz+20MHz



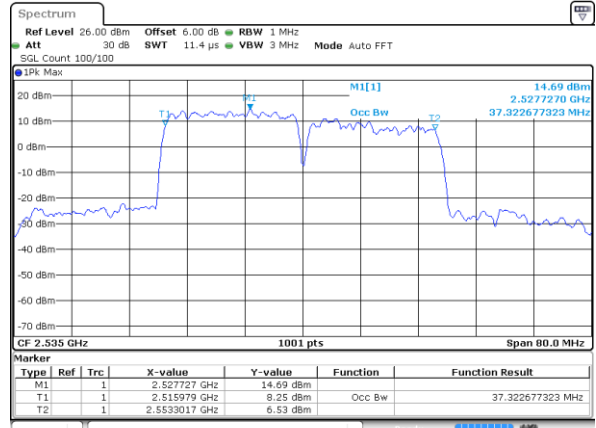
Date: 10 DEC 2019 14:19:42

Middle Channel / 20MHz+15MHz



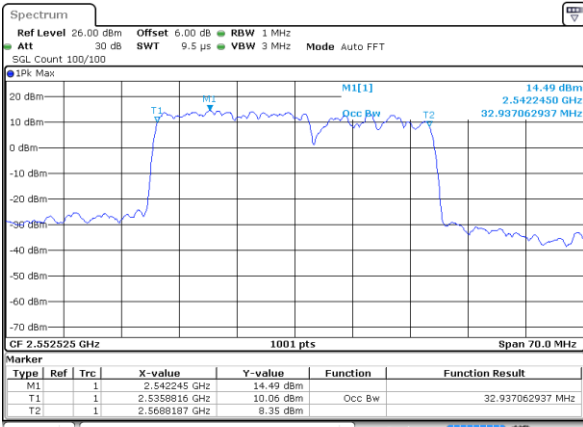
Date: 10 DEC 2019 12:09:04

Middle Channel / 20MHz+20MHz



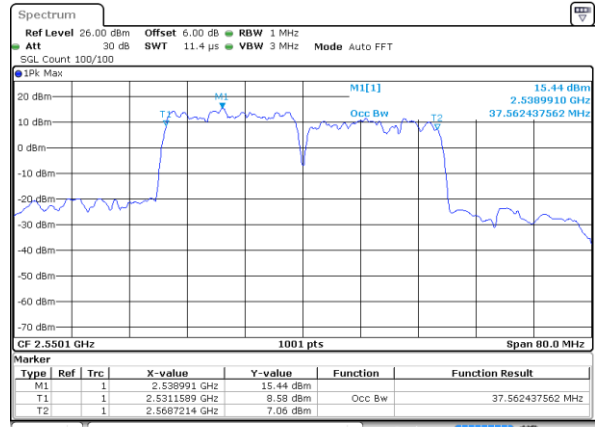
Date: 10 DEC 2019 14:22:07

Highest Channel / 20MHz+15MHz



Date: 10 DEC 2019 12:10:47

Highest Channel / 20MHz+20MHz



Date: 10 DEC 2019 14:32:37



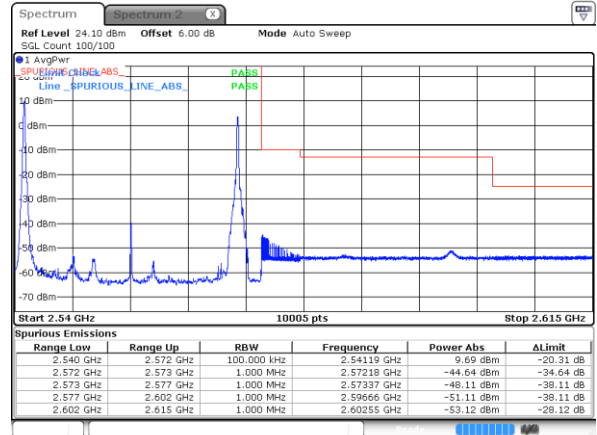
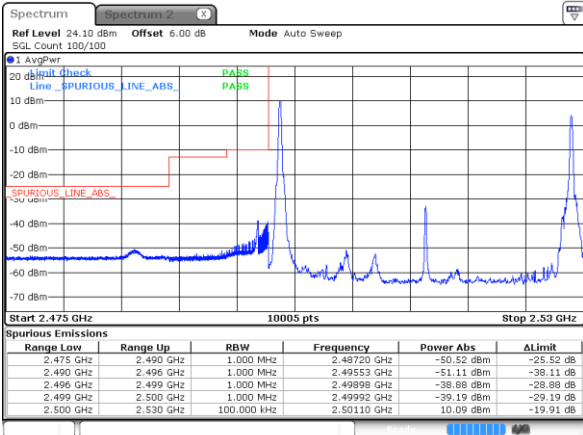
Conducted Band Edge

LTE Band 7 CA / 10MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

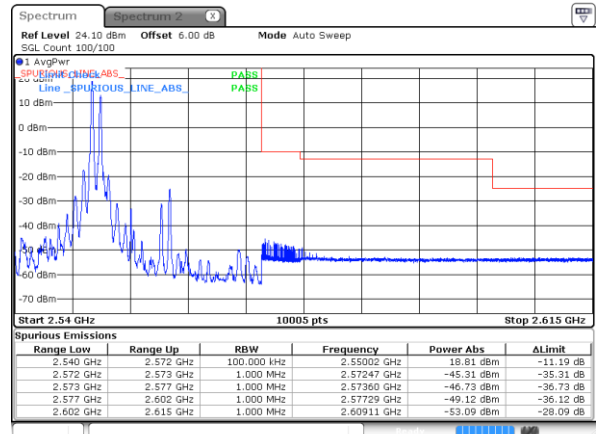
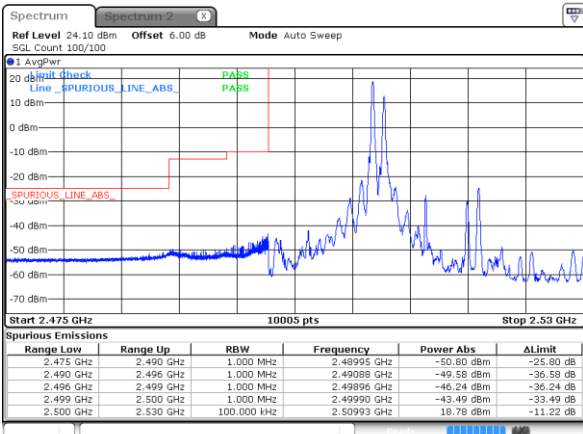


Date: 9 DEC 2019 16:18:28

Date: 9 DEC 2019 16:20:59

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

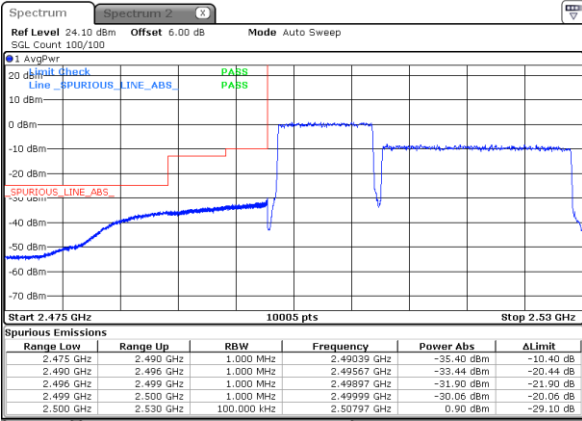


Date: 9 DEC 2019 16:12:33

Date: 9 DEC 2019 16:26:28

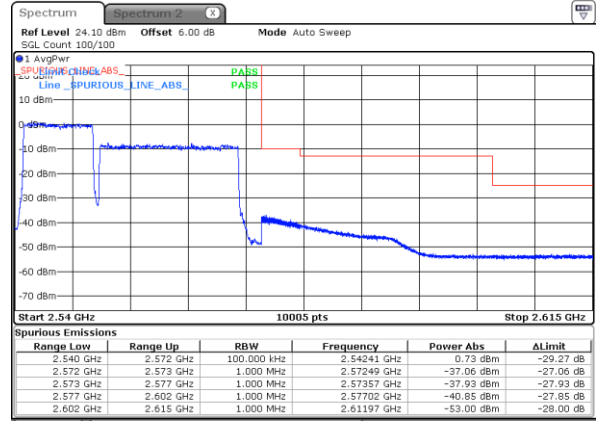


Lowest Band Edge / Full RB



Date: 9 DEC.2019 16:17:29

Highest Band Edge / Full RB

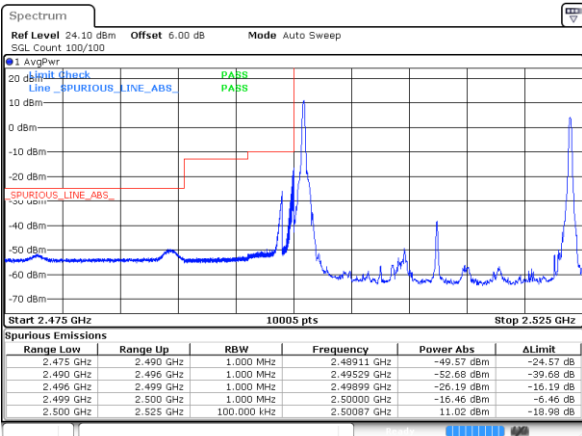


Date: 9 DEC.2019 16:21:38

LTE Band 7 CA / 15MHz+10MHz

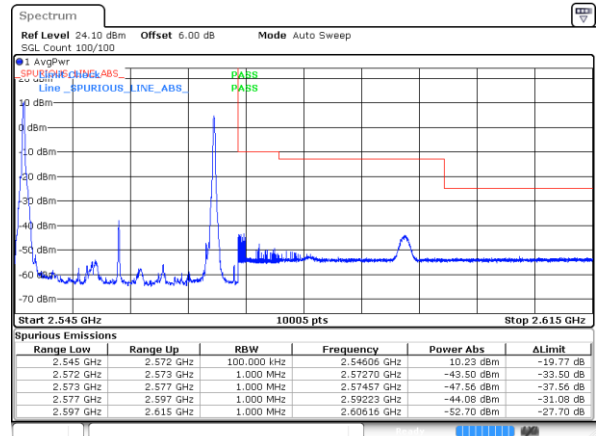
QPSK

Lowest Band Edge / 1RB0 and 1RB49



Date: 10 DEC.2019 14:41:37

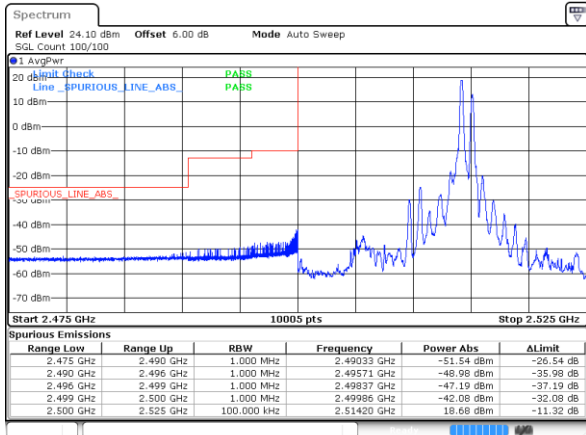
Highest Band Edge / 1RB0 and 1RB49



Date: 10 DEC.2019 14:56:33

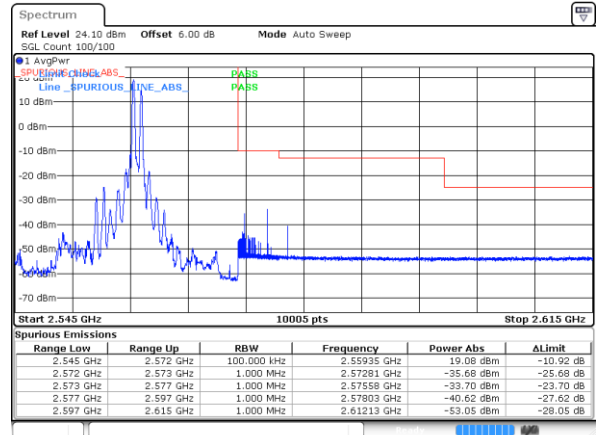


Lowest Band Edge / 1RB74 and 1RB0



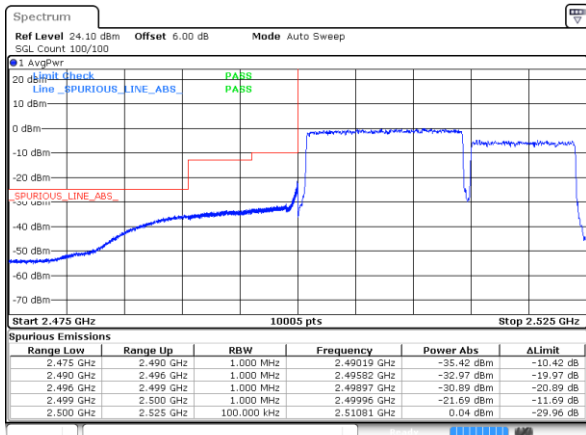
Date: 10 DEC 2019 14:46:53

Highest Band Edge / 1RB74 and 1RB0



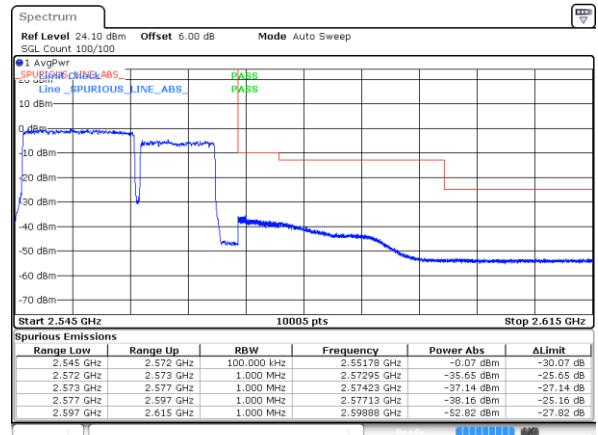
Date: 10 DEC 2019 14:56:55

Lowest Band Edge / Full RB



Date: 10 DEC 2019 14:41:09

Highest Band Edge / Full RB



Date: 10 DEC 2019 14:54:00

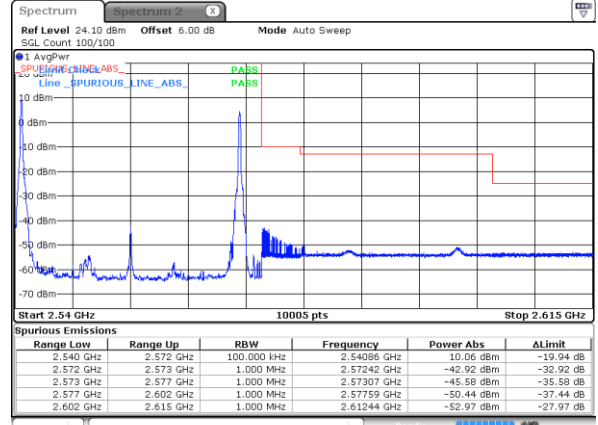
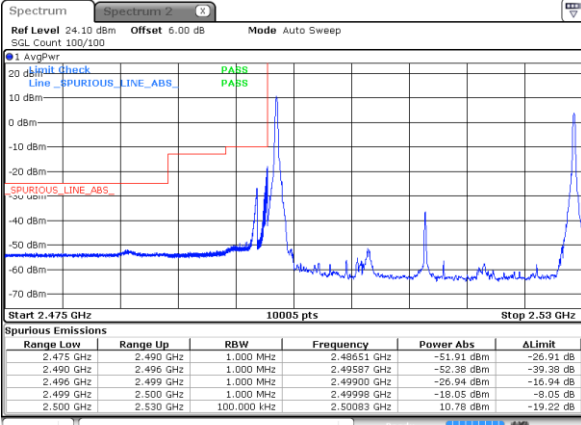


LTE Band 7 CA / 15MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

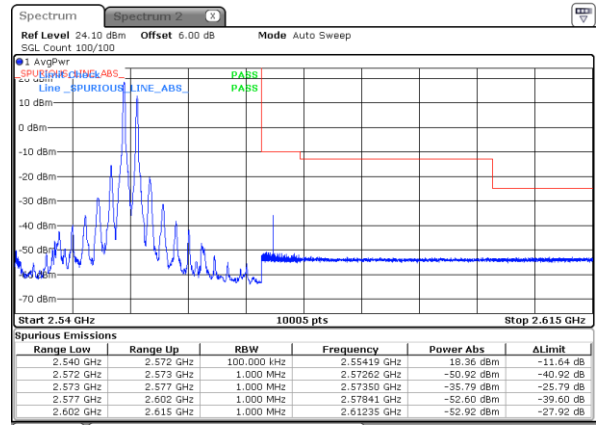
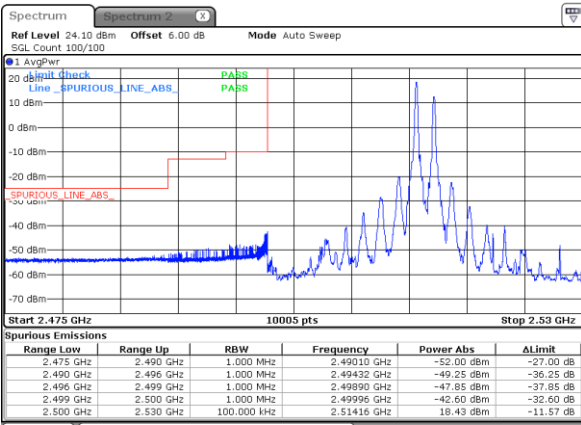


Date: 9 DEC 2019 19:20:17

Date: 9 DEC 2019 19:45:25

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

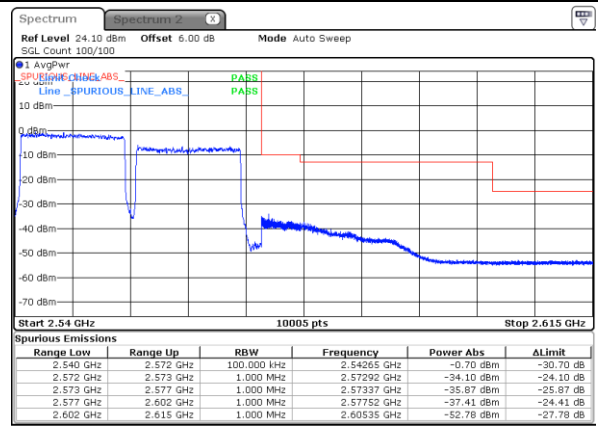
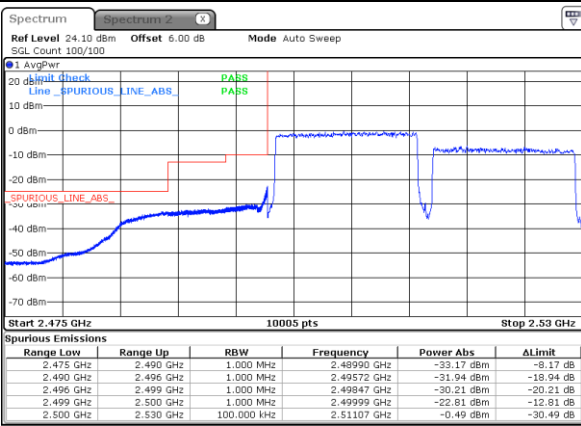


Date: 9 DEC 2019 19:21:24

Date: 9 DEC 2019 19:49:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9 DEC 2019 19:15:19

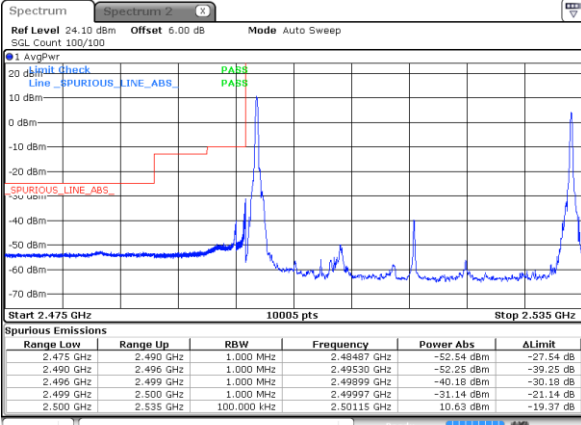
Date: 9 DEC 2019 19:44:58



LTE Band 7 CA / 15MHz+20MHz

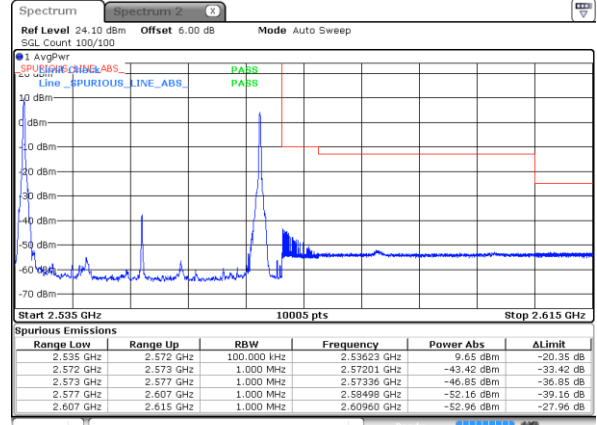
QPSK

Lowest Band Edge / 1RB0 and 1RB9



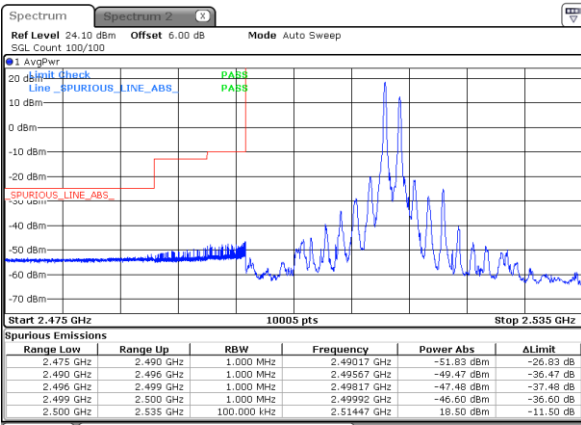
Date: 9 DEC 2019 19:56:41

Highest Band Edge / 1RB0 and 1RB9



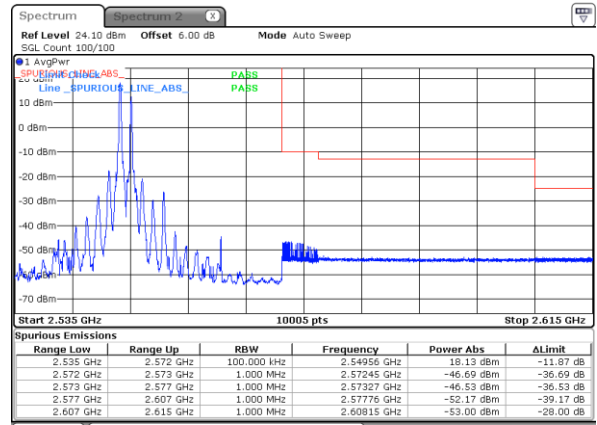
Date: 9 DEC 2019 20:10:04

Lowest Band Edge / 1RB74 and 1RB0



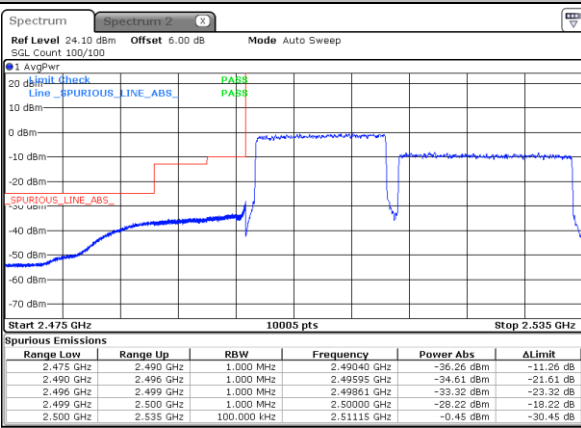
Date: 9 DEC 2019 19:57:12

Highest Band Edge / 1RB74 and 1RB0



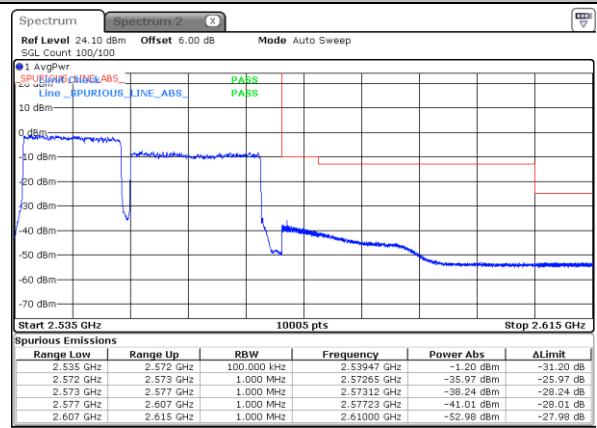
Date: 9 DEC 2019 20:13:30

Lowest Band Edge / Full RB



Date: 9 DEC 2019 19:51:47

Highest Band Edge / Full RB



Date: 9 DEC 2019 20:09:33

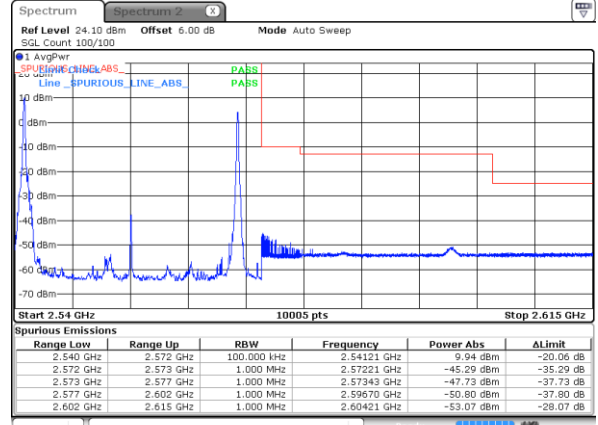
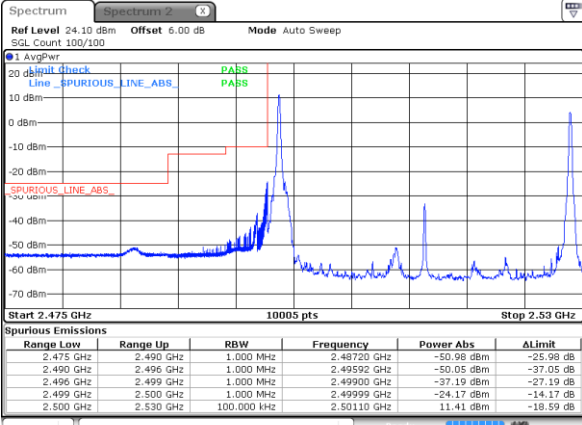


LTE Band 7 CA / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

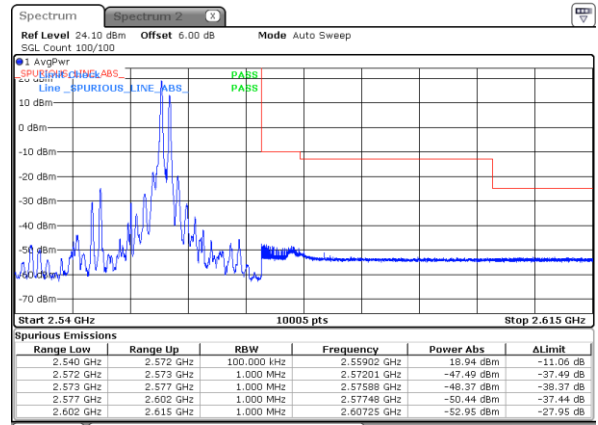
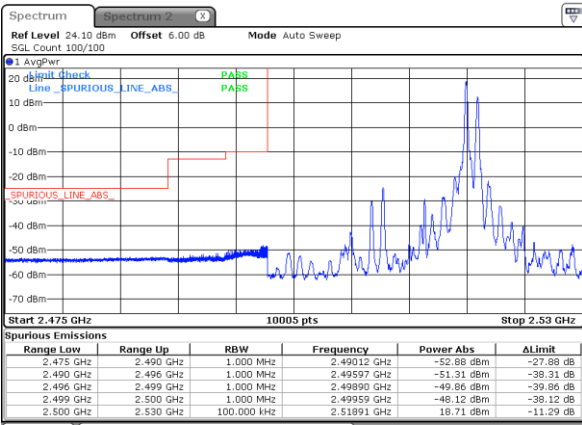


Date: 9 DEC 2019 18:52:02

Date: 9 DEC 2019 19:05:17

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

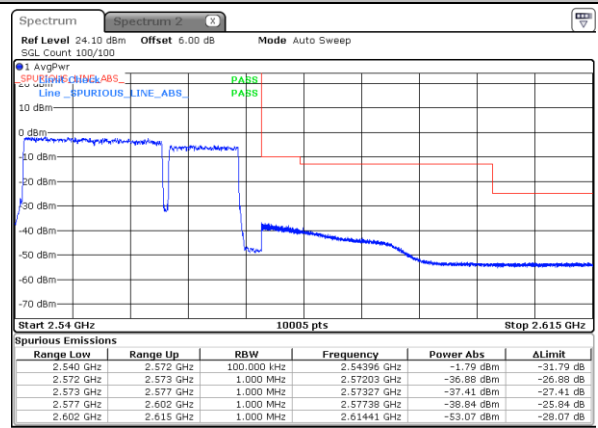
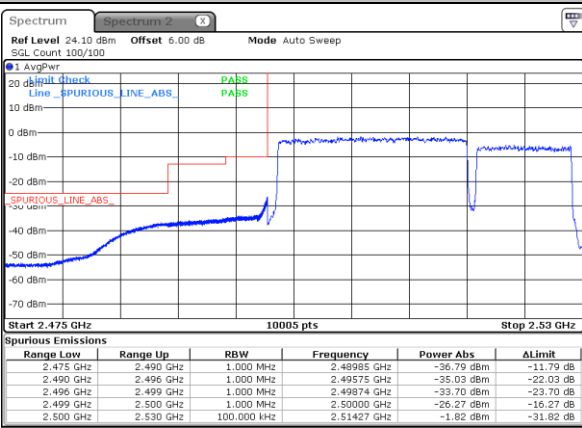


Date: 9 DEC 2019 18:52:36

Date: 9 DEC 2019 19:05:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9 DEC 2019 18:48:35

Date: 9 DEC 2019 19:04:16

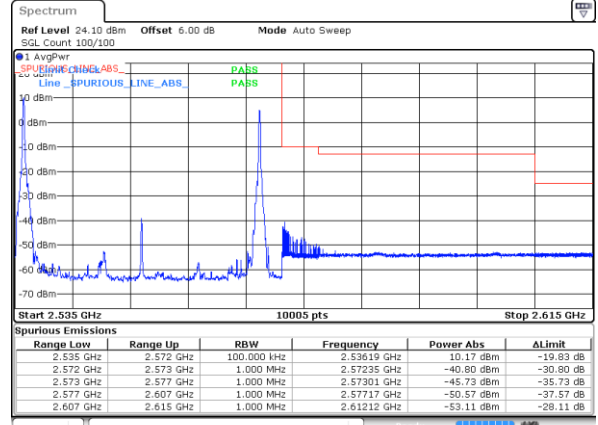
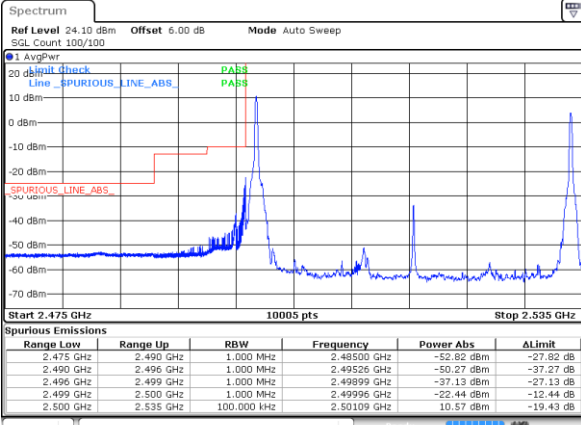


LTE Band 7 CA / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

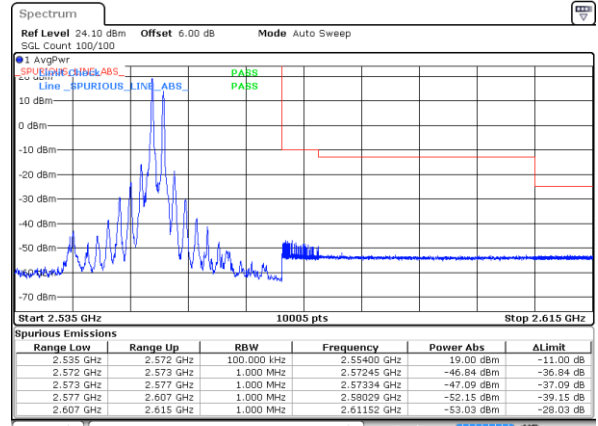
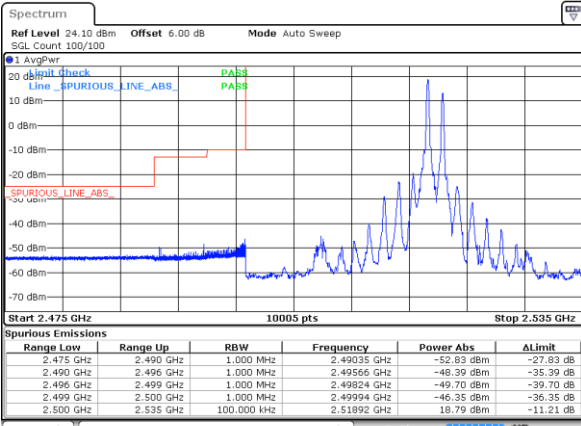


Date: 10 DEC 2019 11:56:21

Date: 10 DEC 2019 13:57:03

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

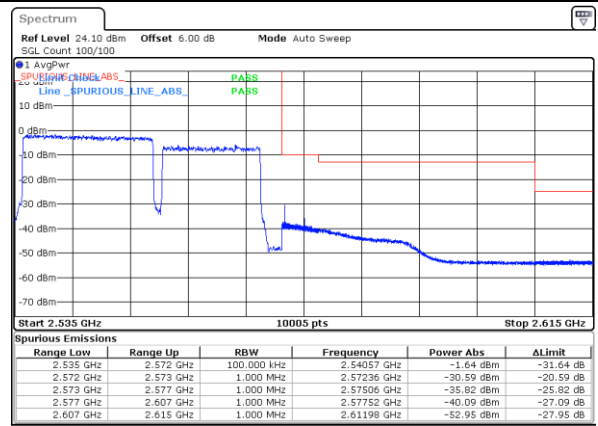
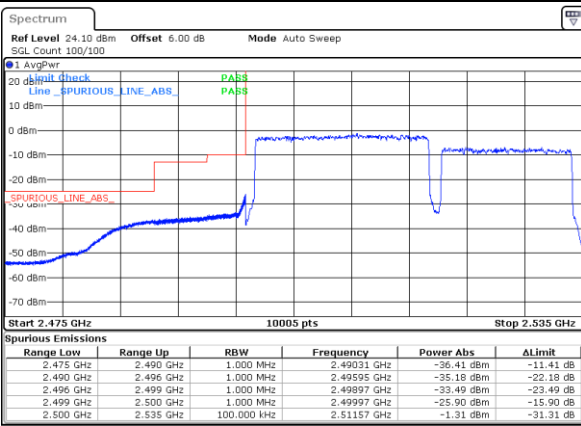


Date: 10 DEC 2019 11:56:53

Date: 10 DEC 2019 13:57:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 DEC 2019 11:53:29

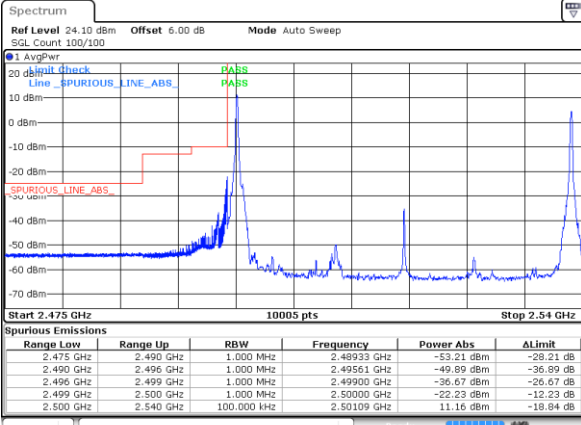
Date: 10 DEC 2019 13:54:40



LTE Band 7 CA / 20MHz+20MHz

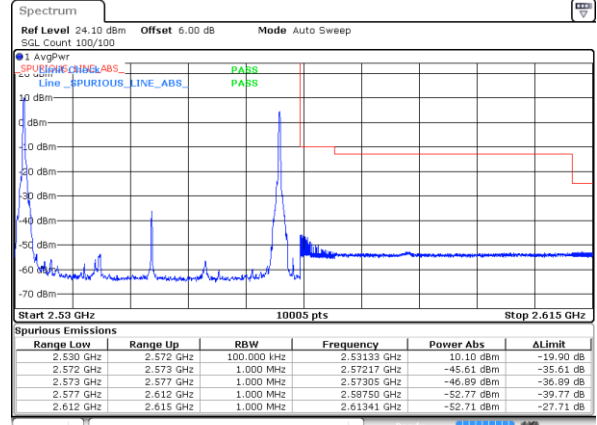
QPSK

Lowest Band Edge / 1RB0 and 1RB9



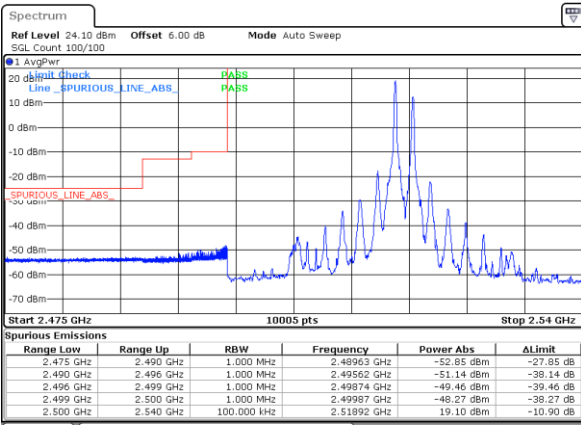
Date: 10 DEC 2019 14:17:31

Highest Band Edge / 1RB0 and 1RB9



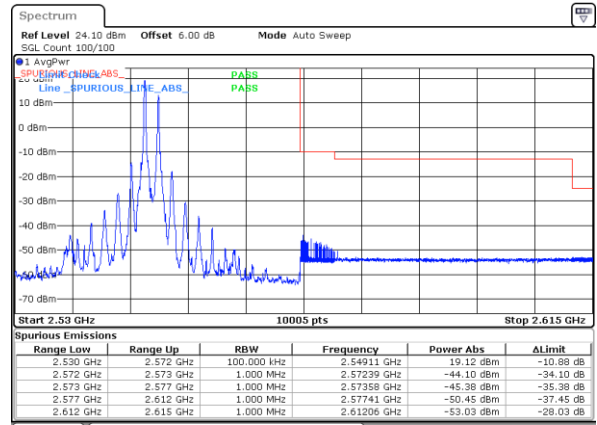
Date: 10 DEC 2019 14:31:30

Lowest Band Edge / 1RB99 and 1RB0



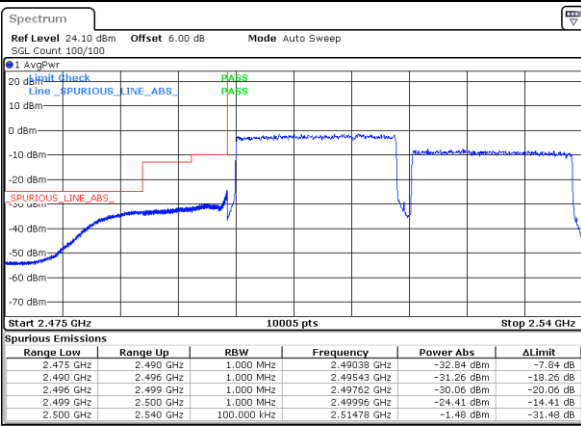
Date: 10 DEC 2019 14:14:20

Highest Band Edge / 1RB99 and 1RB0



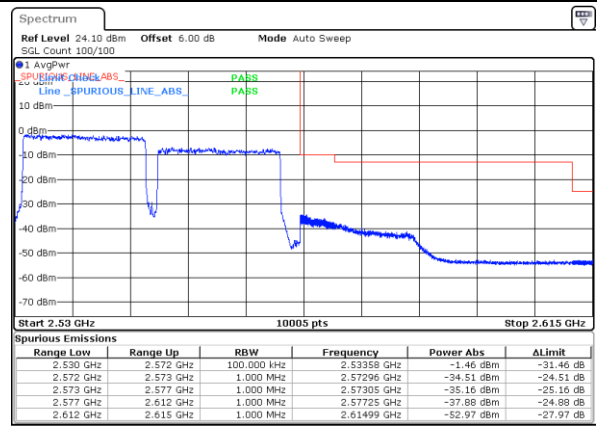
Date: 10 DEC 2019 14:27:42

Lowest Band Edge / Full RB



Date: 10 DEC 2019 14:20:40

Highest Band Edge / Full RB



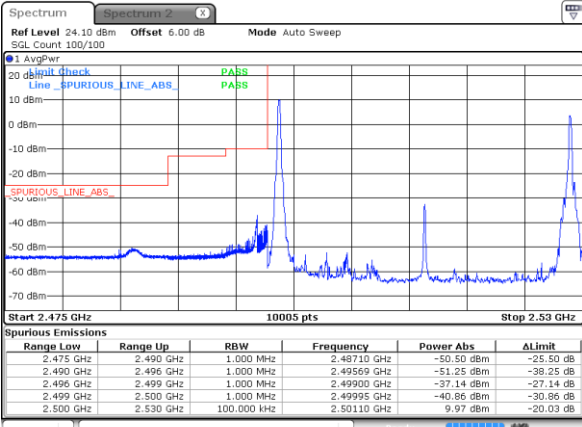
Date: 10 DEC 2019 14:32:13



LTE Band 7 CA / 10MHz+20MHz

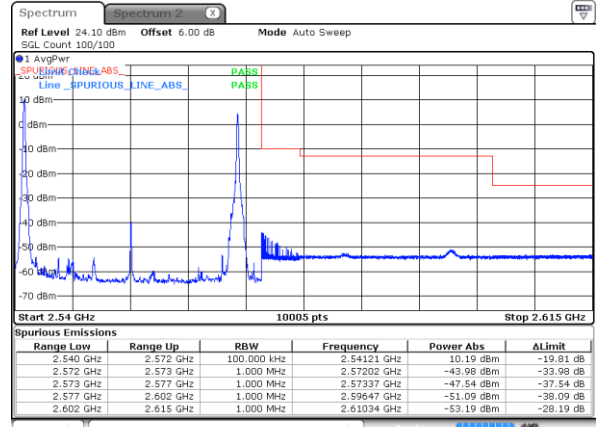
16QAM

Lowest Band Edge / 1RB0 and 1RB9



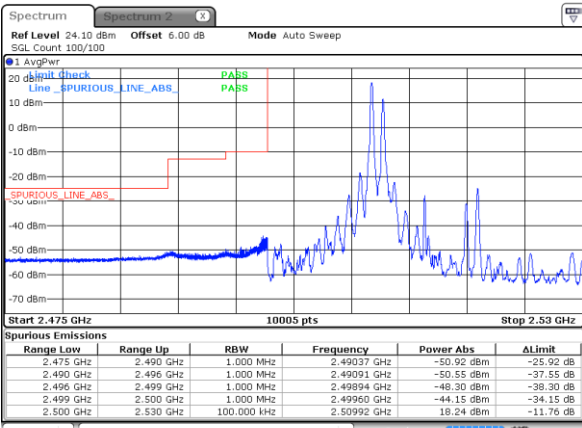
Date: 9 DEC 2019 16:18:51

Highest Band Edge / 1RB0 and 1RB9



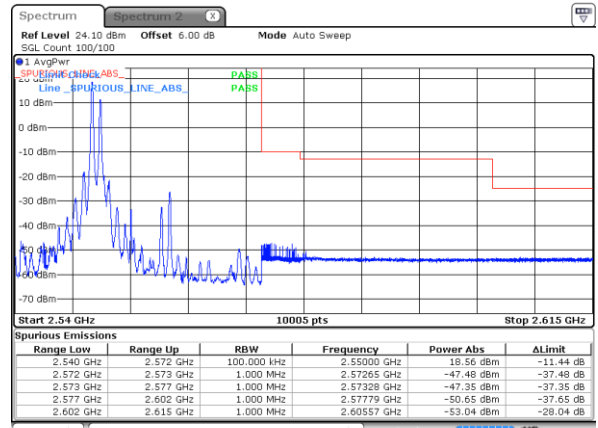
Date: 9 DEC 2019 16:20:37

Lowest Band Edge / 1RB49 and 1RB0



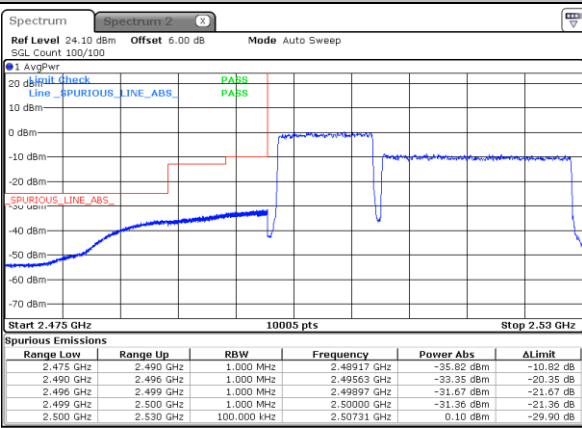
Date: 9 DEC 2019 16:13:09

Highest Band Edge / 1RB49 and 1RB0



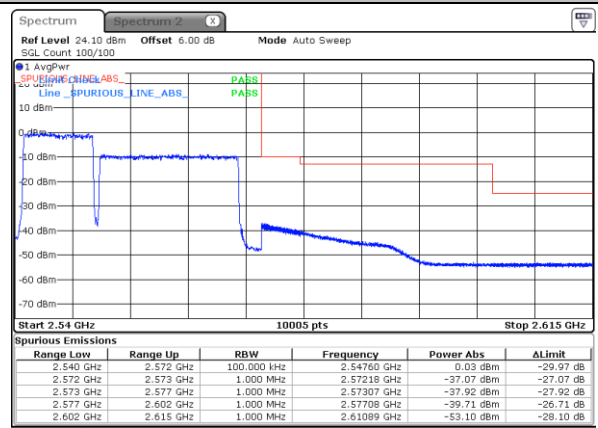
Date: 9 DEC 2019 16:25:16

Lowest Band Edge / Full RB



Date: 9 DEC 2019 16:16:37

Highest Band Edge / Full RB



Date: 9 DEC 2019 16:22:11

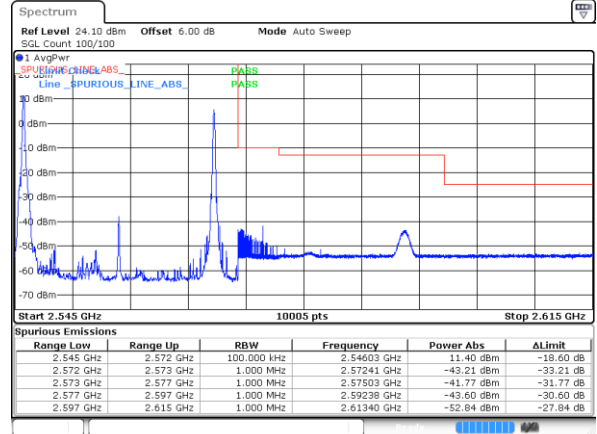
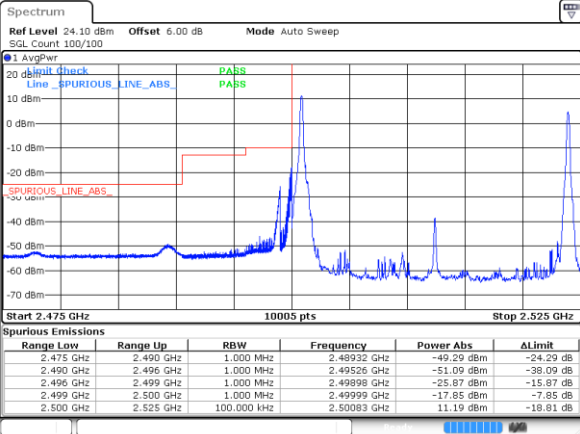


LTE Band 7 CA / 15MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

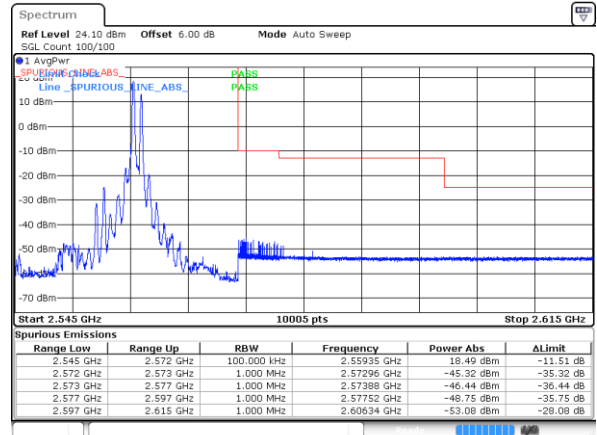
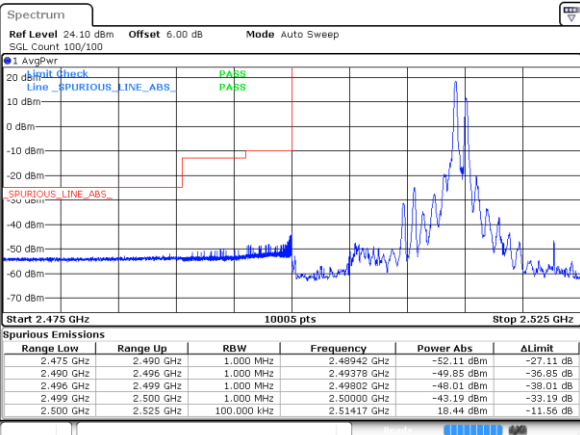


Date: 10 DEC 2019 14:42:00

Date: 10 DEC 2019 14:56:13

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

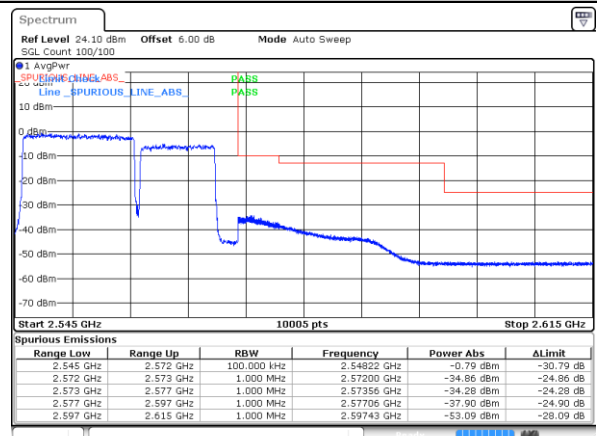
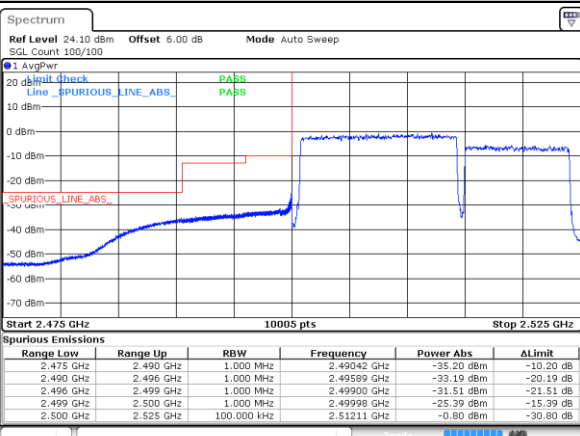


Date: 10 DEC 2019 14:44:22

Date: 10 DEC 2019 14:58:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 DEC 2019 14:40:31

Date: 10 DEC 2019 14:54:31