

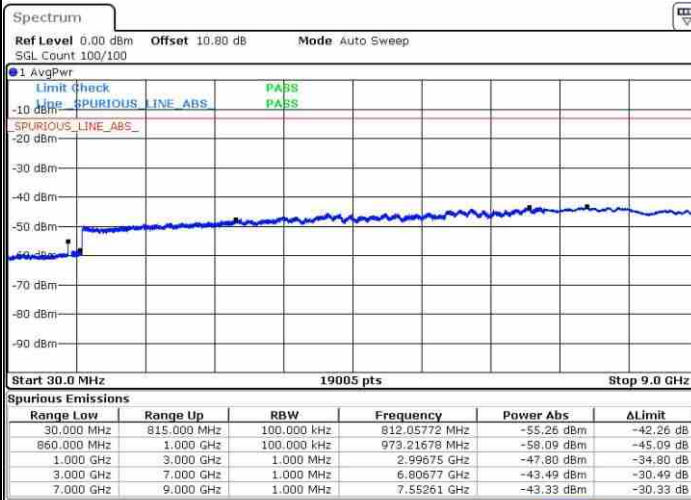


LTE Band 5B / 5MHz+3MHz

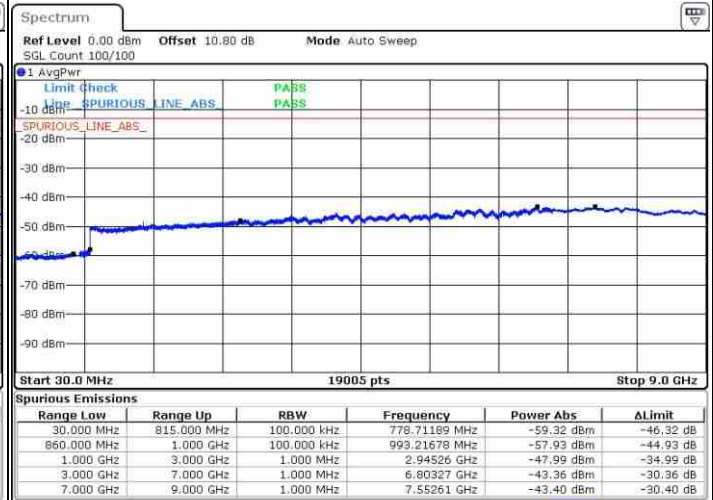
64QAM

Highest Channel / 1RB0 and 1RB14

Highest Channel / 1RB24 and 1RB0



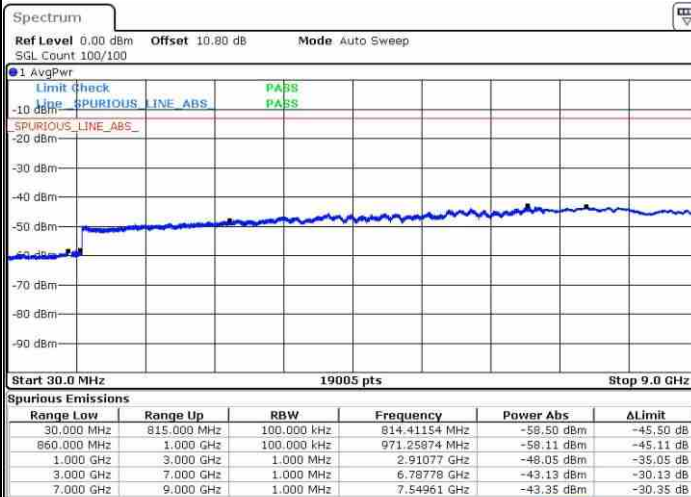
Date: 22 JUN 2019 01:12:25



Date: 22 JUN 2019 01:11:04

Highest Channel / FullIRB

N/A



Date: 22 JUN 2019 01:19:14

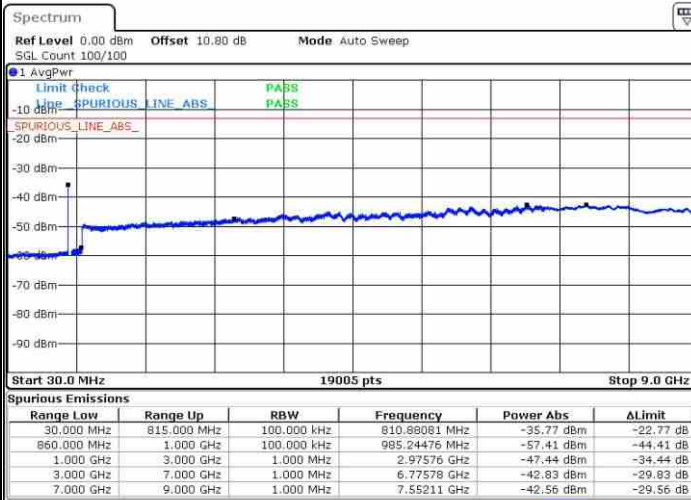


LTE Band 5B / 5MHz+10MHz

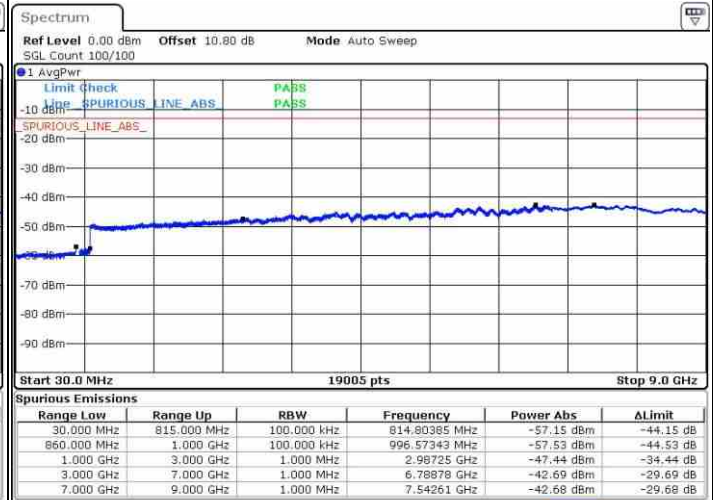
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB24 and 1RB0



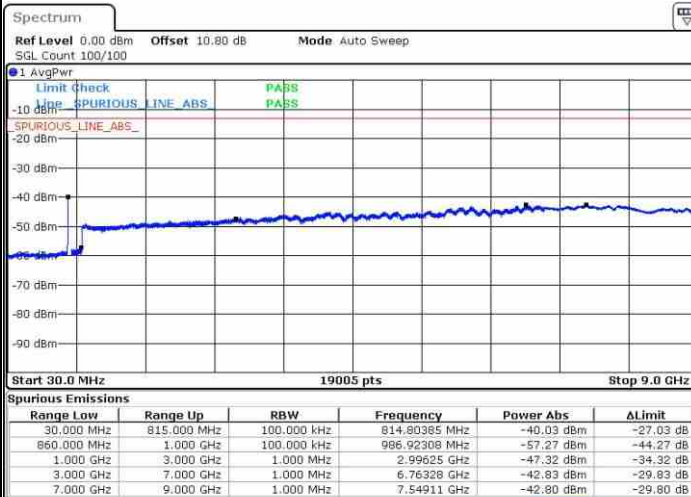
Date: 24 JUN 2019 22:44:49



Date: 24 JUN 2019 22:37:58

Lowest Channel / FullRB

N/A



Date: 24 JUN 2019 22:46:11

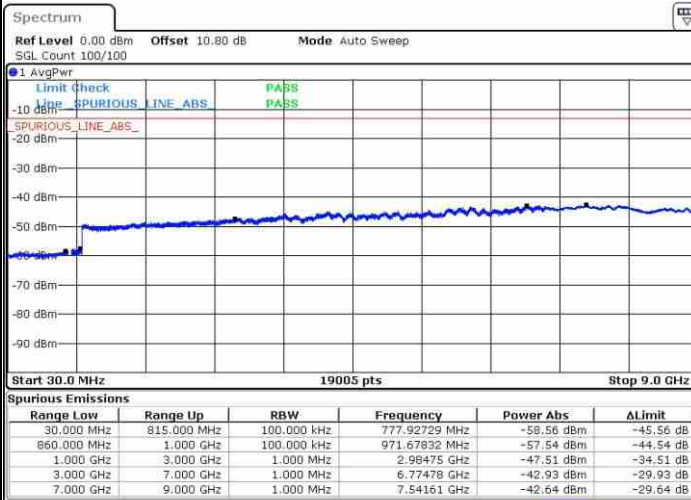


LTE Band 5B / 5MHz+10MHz

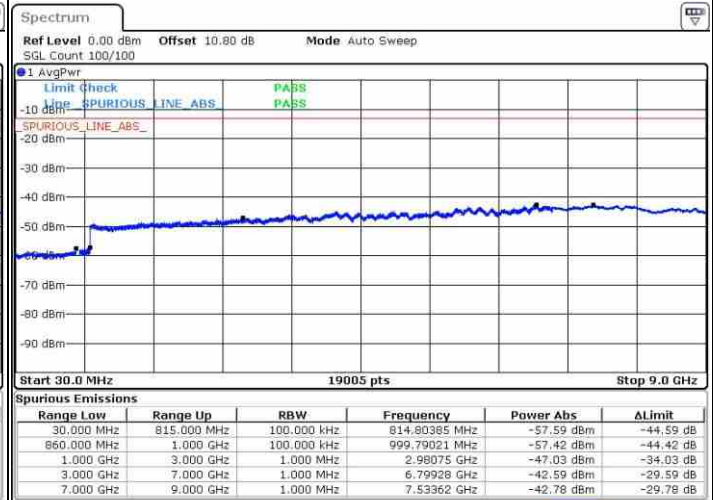
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB24 and 1RB0



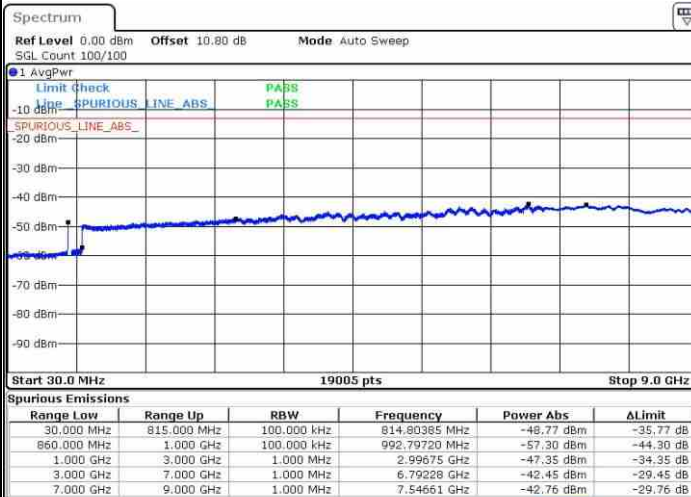
Date: 24 JUN 2019 23:07:17



Date: 24 JUN 2019 23:14:07

Middle Channel / FullIRB

N/A



Date: 24 JUN 2019 23:05:55

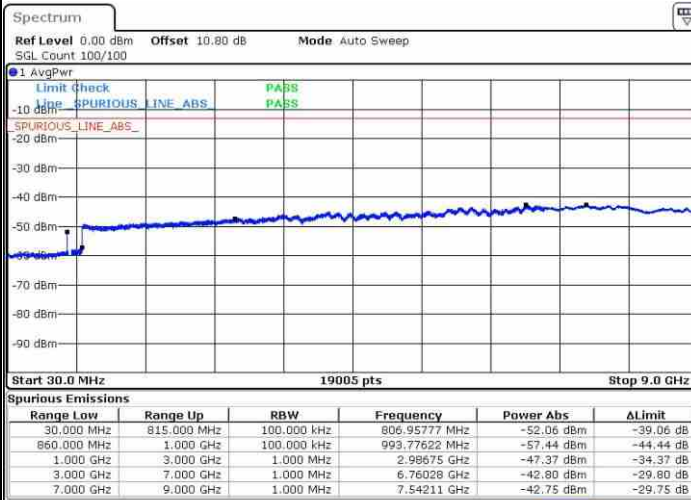


LTE Band 5B / 5MHz+10MHz

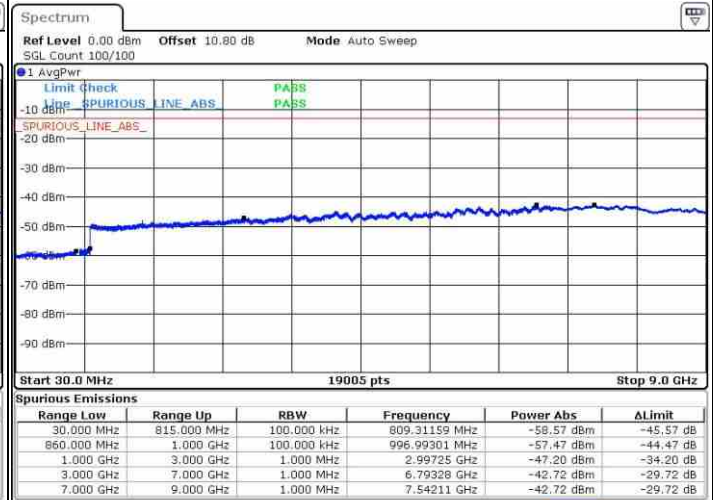
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB24 and 1RB0



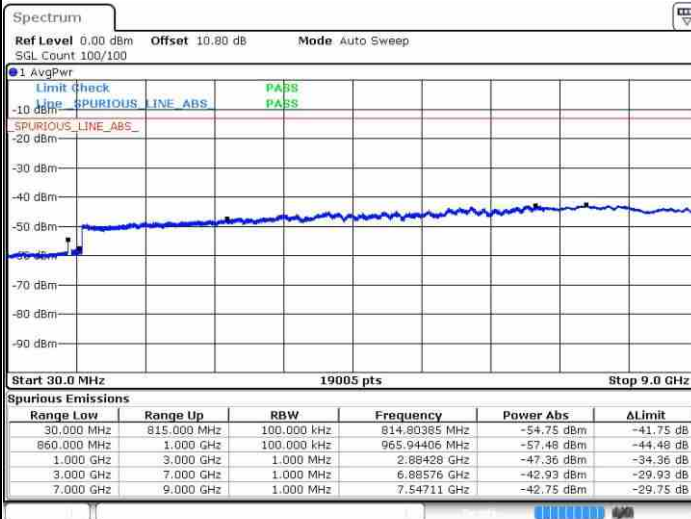
Date: 24 JUN 2019 23:47:31



Date: 24 JUN 2019 23:46:09

Highest Channel / FullIRB

N/A



Date: 24 JUN 2019 23:54:22

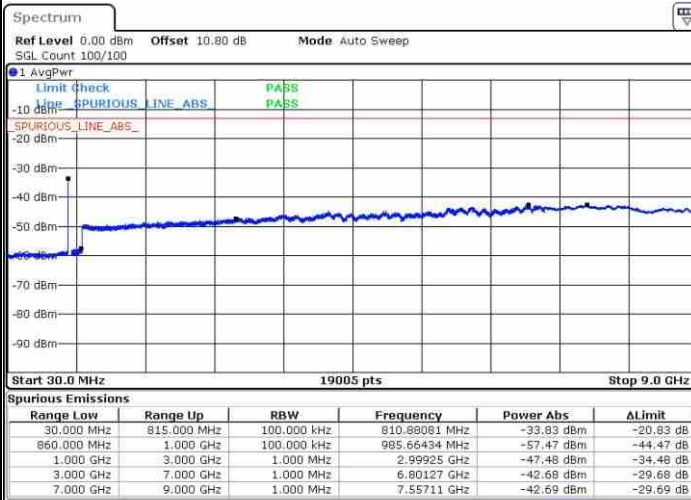


LTE Band 5B / 10MHz+5MHz

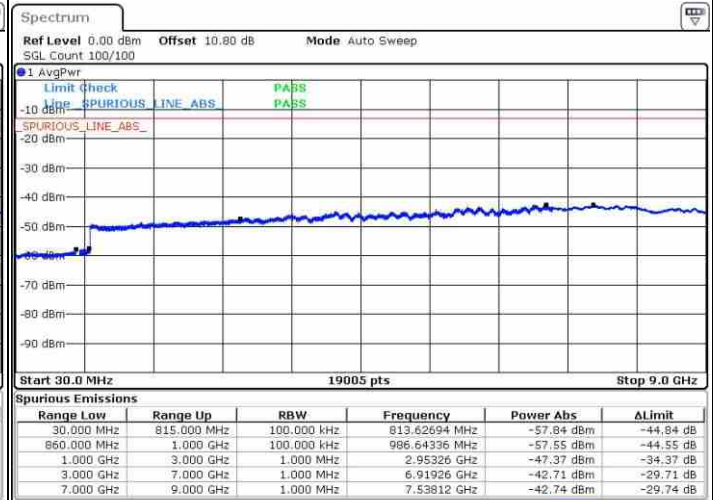
64QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB49 and 1RB0



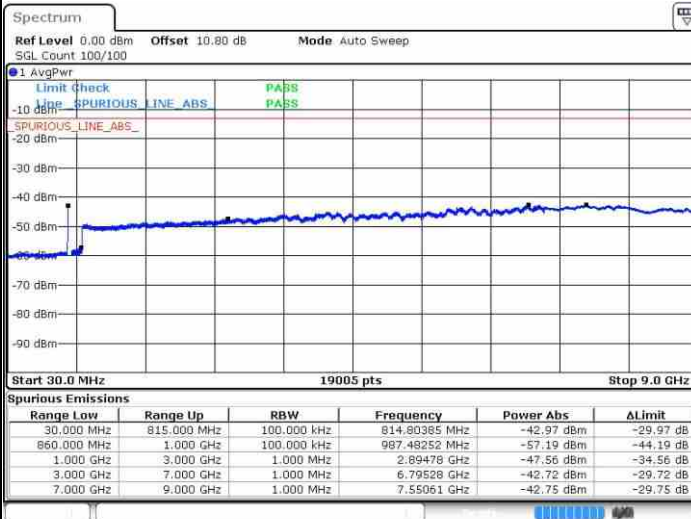
Date: 25 JUN 2019 00:31:21



Date: 25 JUN 2019 00:24:30

Lowest Channel / FullRB

N/A



Date: 25 JUN 2019 00:32:43

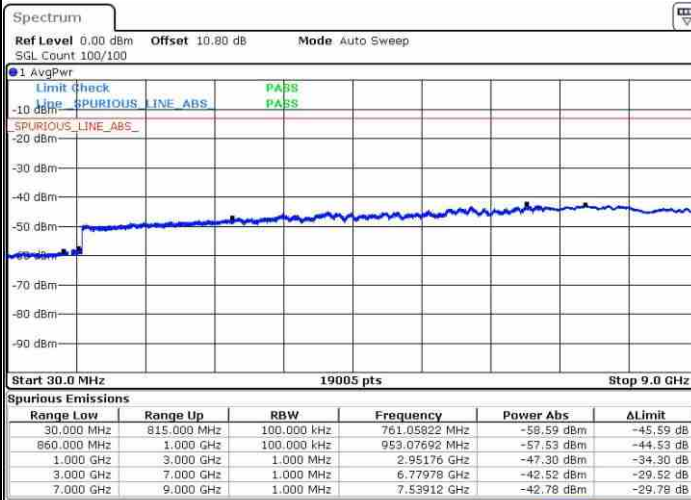


LTE Band 5B / 10MHz+5MHz

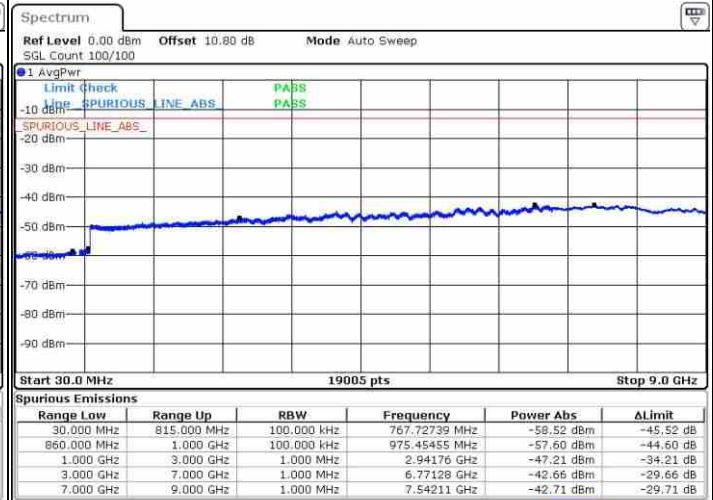
64QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB49 and 1RB0



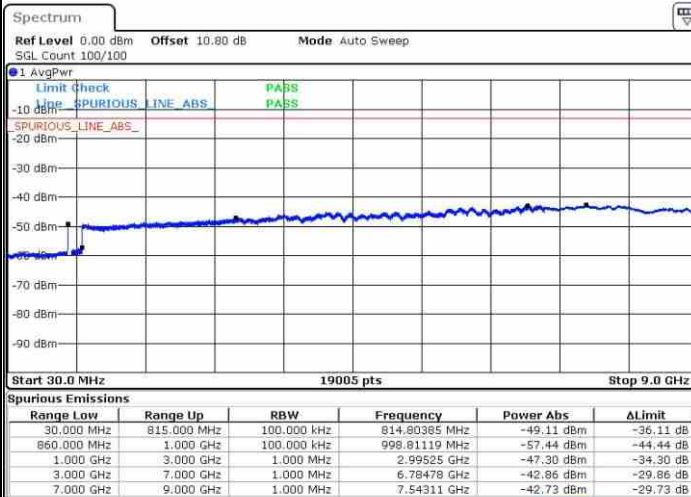
Date: 25 JUN 2019 00:47:53



Date: 25 JUN 2019 00:54:43

Middle Channel / FullIRB

N/A



Date: 25 JUN 2019 00:48:31

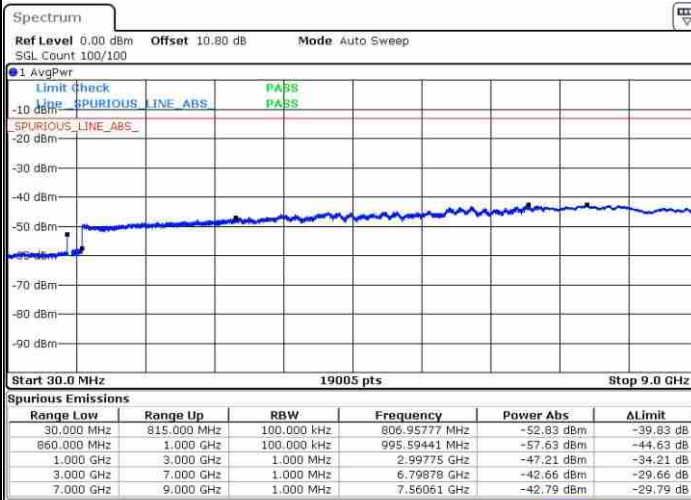


LTE Band 5B / 10MHz+5MHz

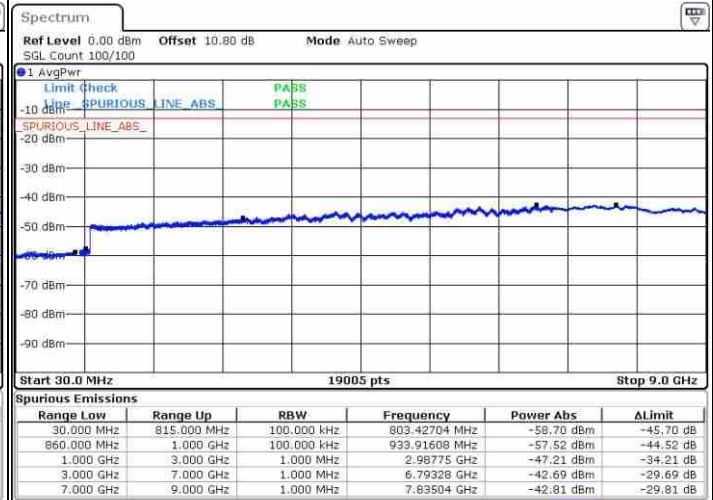
64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB49 and 1RB0



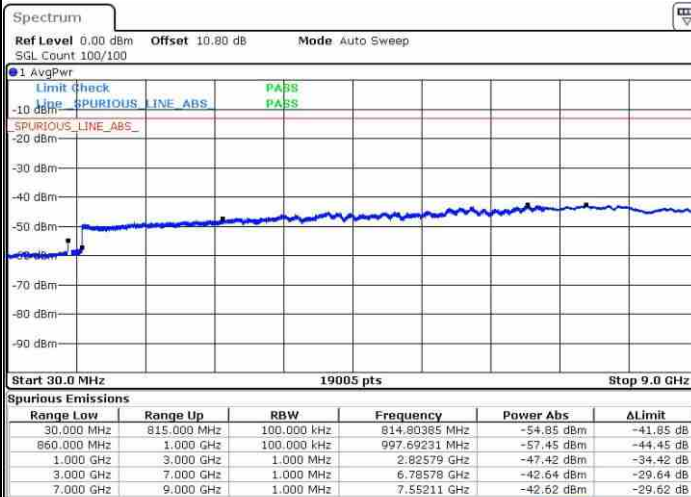
Date: 25 JUN 2019 01:27:34



Date: 25 JUN 2019 01:26:13

Highest Channel / FullIRB

N/A



Date: 25 JUN 2019 01:34:25

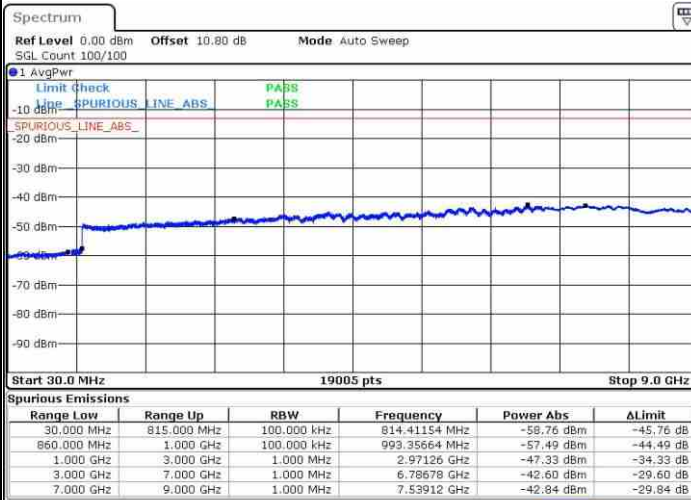


LTE Band 5B / 10MHz+10MHz

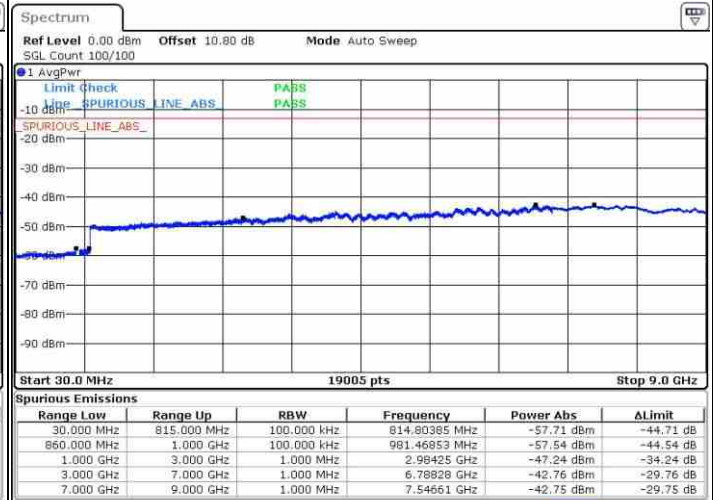
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



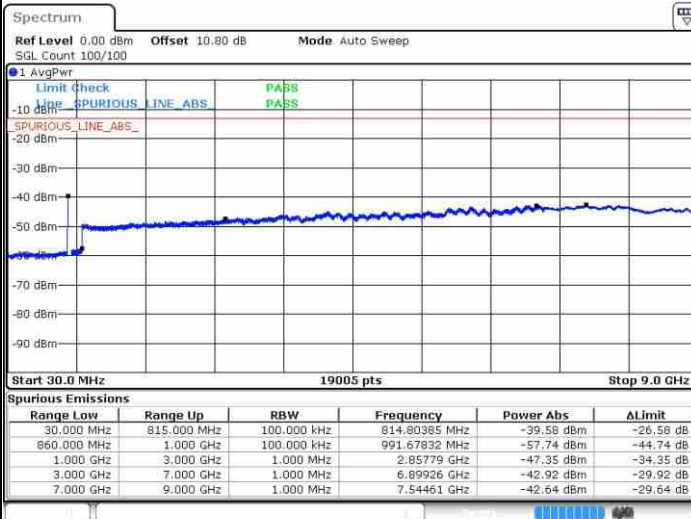
Date: 25 JUN 2019 02:10:37



Date: 25 JUN 2019 02:03:46

Lowest Channel / FullIRB

N/A



Date: 25 JUN 2019 02:11:59

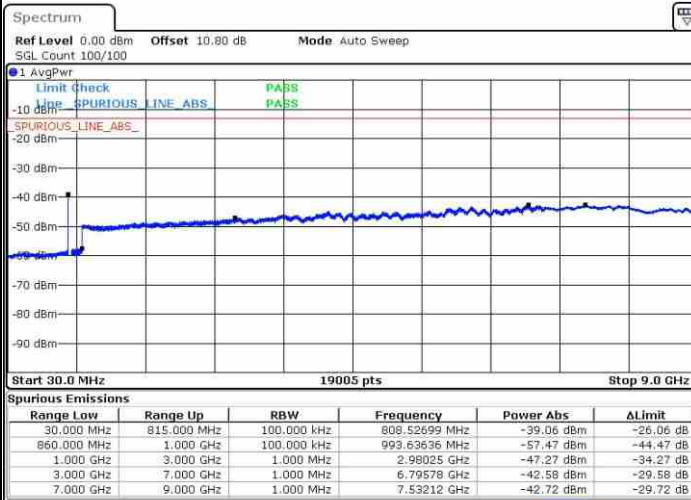


LTE Band 5B / 10MHz+10MHz

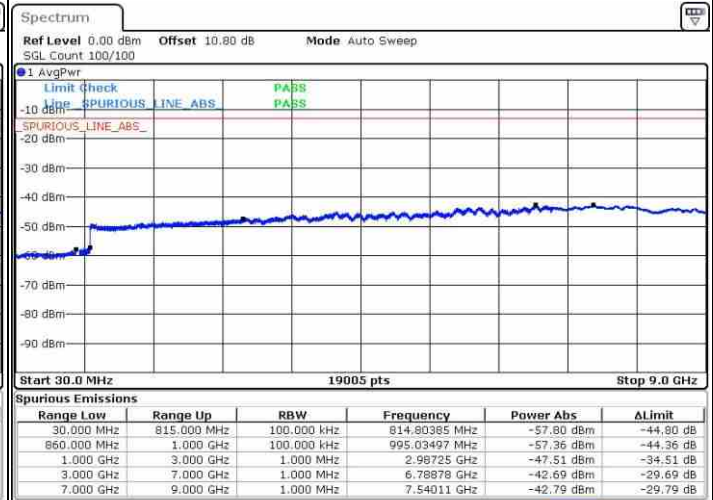
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



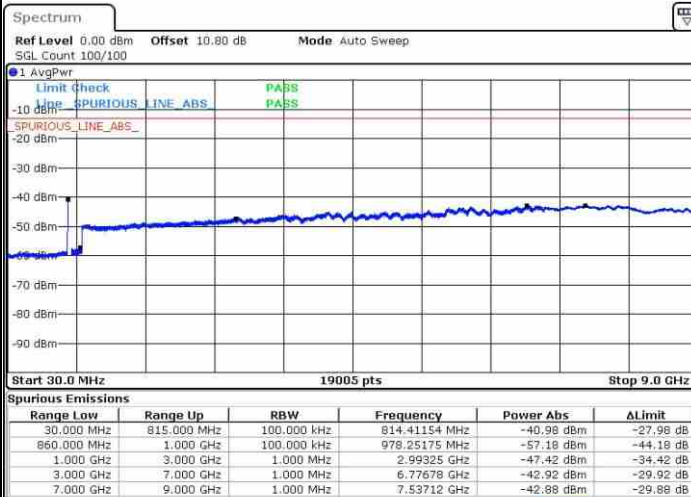
Date: 25 JUN 2019 02:31:56



Date: 25 JUN 2019 02:38:46

Middle Channel / FullIRB

N/A



Date: 25 JUN 2019 02:30:34

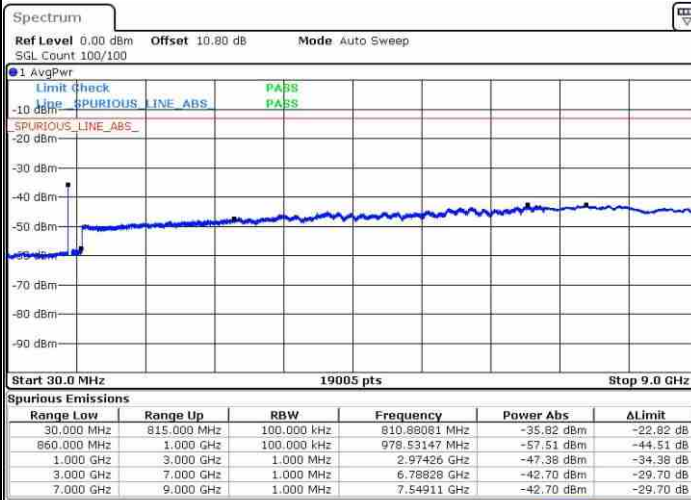


LTE Band 5B / 10MHz+10MHz

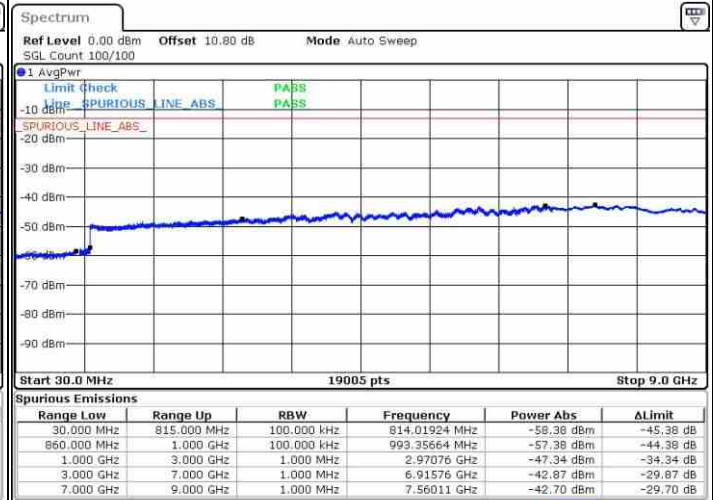
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



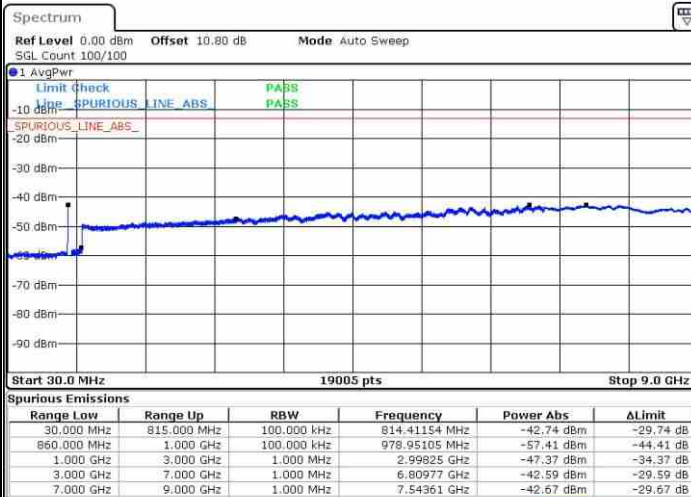
Date: 25 JUN 2019 03:21:29



Date: 25 JUN 2019 03:20:08

Highest Channel / FullIRB

N/A



Date: 25 JUN 2019 03:28:20



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.67	4.41	5.94	PASS
Middle CH	3.62	5.01	4.20	6.09	
Highest CH	3.51	4.67	4.03	5.86	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.22	6.72	-	-	PASS
Middle CH	5.30	6.72	-	-	
Highest CH	5.33	6.78	-	-	

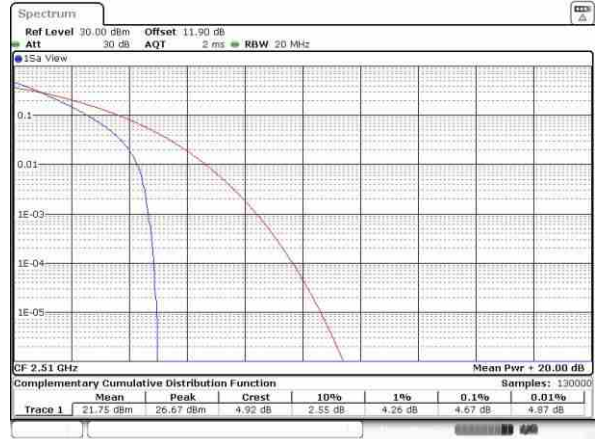


LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



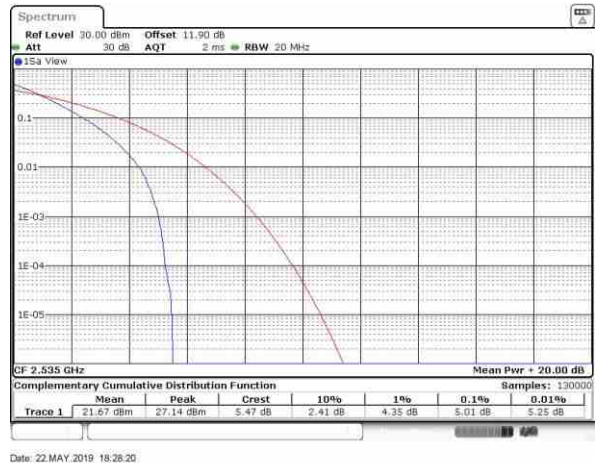
Lowest Channel / Full RB



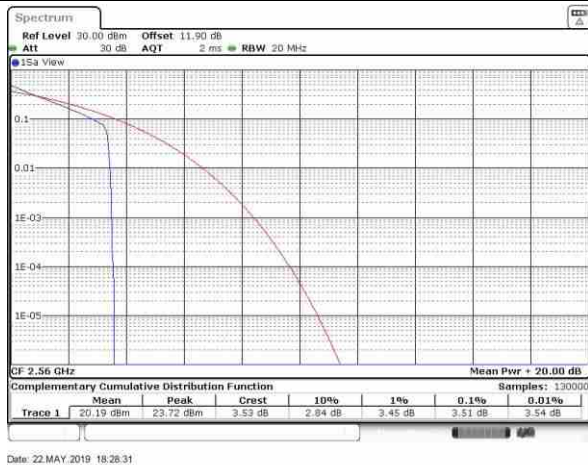
Middle Channel / 1RB



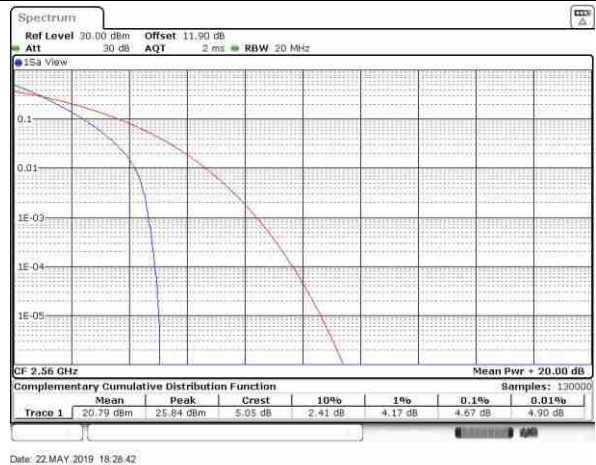
Middle Channel / Full RB

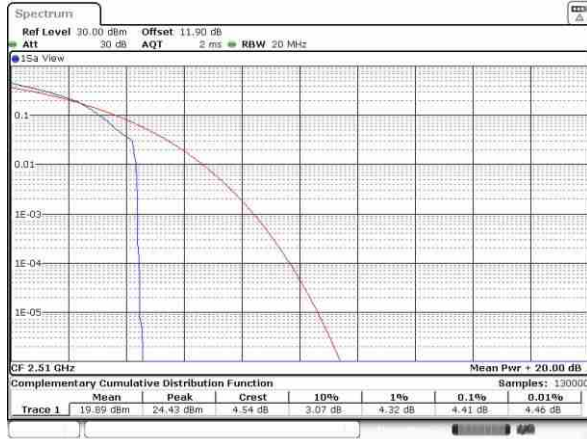


Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 7 / 20MHz / 16QAM
Lowest Channel / 1RB


Date: 22 MAY 2019 18:24:29

Lowest Channel / Full RB


Date: 22 MAY 2019 18:24:46

Middle Channel / 1RB


Date: 22 MAY 2019 18:25:30

Middle Channel / Full RB


Date: 22 MAY 2019 18:25:41

Highest Channel / 1RB


Date: 22 MAY 2019 18:25:53

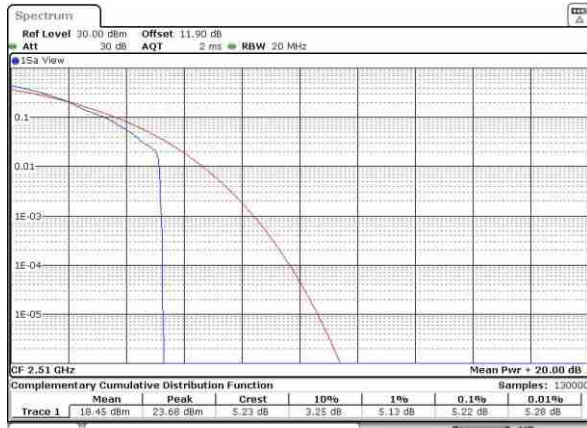
Highest Channel / Full RB


Date: 22 MAY 2019 18:26:10

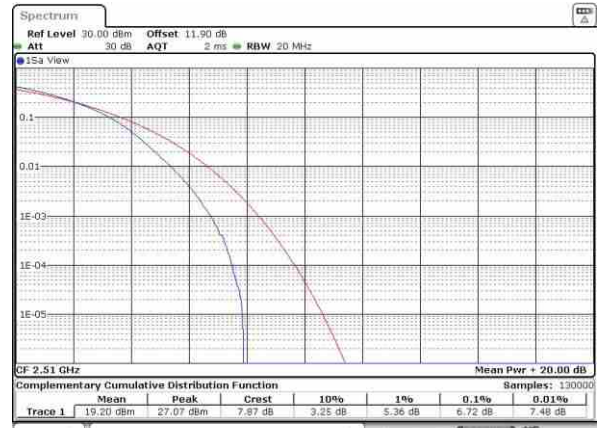


LTE Band 7 / 20MHz / 64QAM

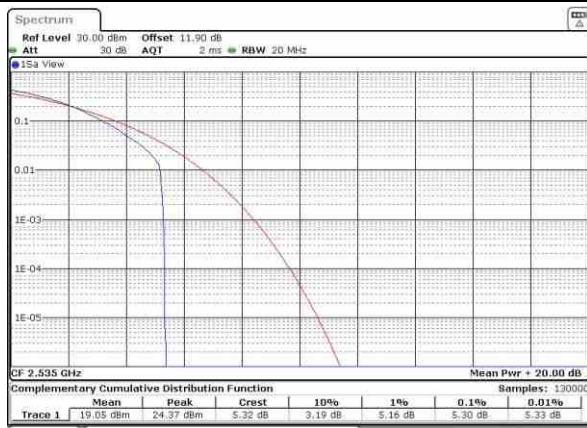
Lowest Channel / 1RB



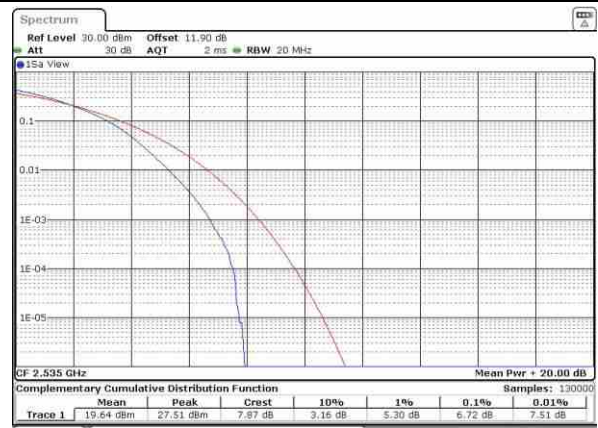
Lowest Channel / Full RB



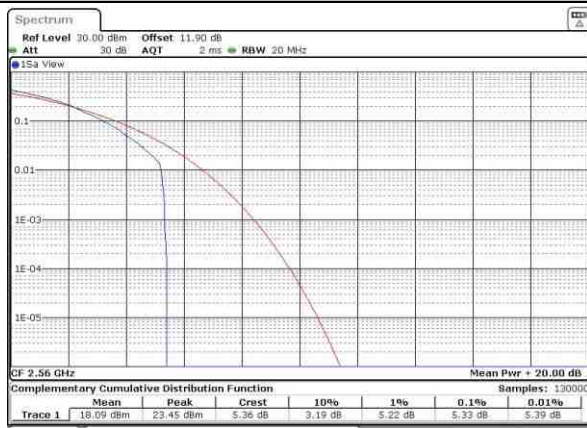
Middle Channel / 1RB



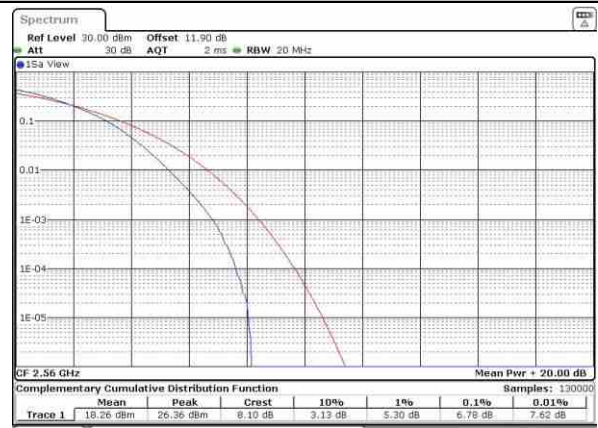
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



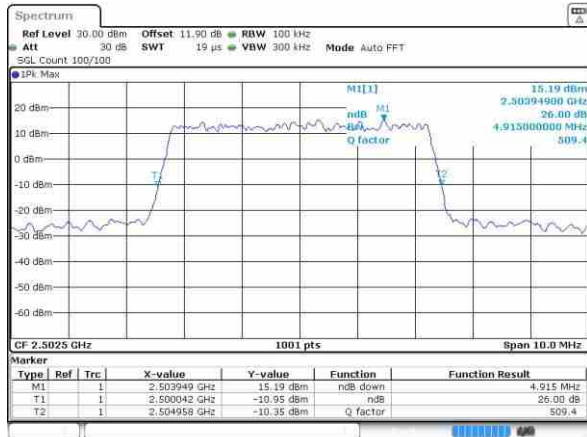
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.92	4.94	9.71	9.81	14.27	14.42	19.10	18.94
Middle CH	-	-	-	-	4.94	4.85	9.93	9.77	14.45	14.66	18.82	19.18
Highest CH	-	-	-	-	4.91	4.88	9.69	9.83	14.42	14.18	19.18	19.10
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.83	-	9.87	-	14.51	-	19.10	-
Middle CH	-	-	-	-	4.79	-	9.63	-	14.21	-	19.10	-
Highest CH	-	-	-	-	4.87	-	9.75	-	14.30	-	18.86	-

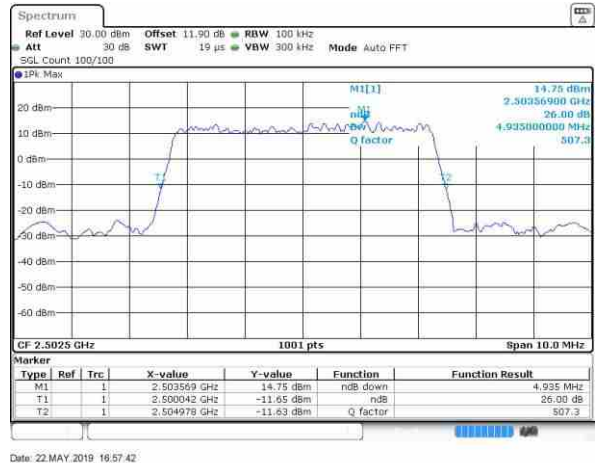


LTE Band 7

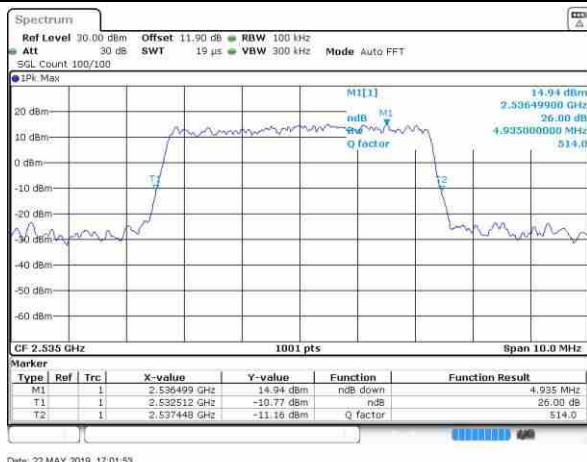
Lowest Channel / 5MHz / QPSK



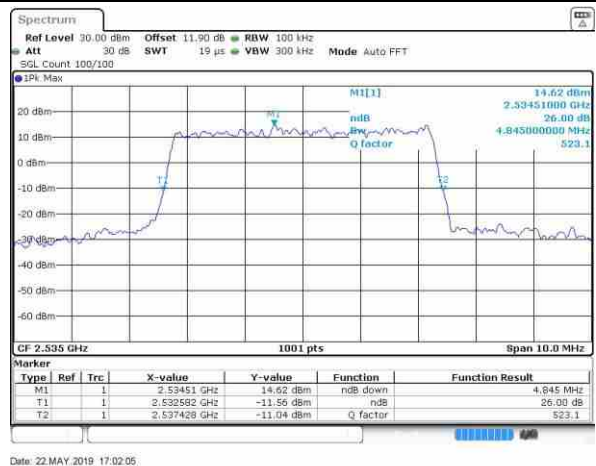
Lowest Channel / 5MHz / 16QAM



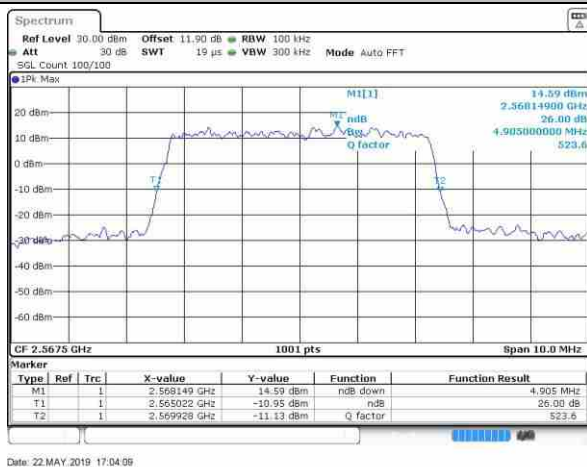
Middle Channel / 5MHz / QPSK



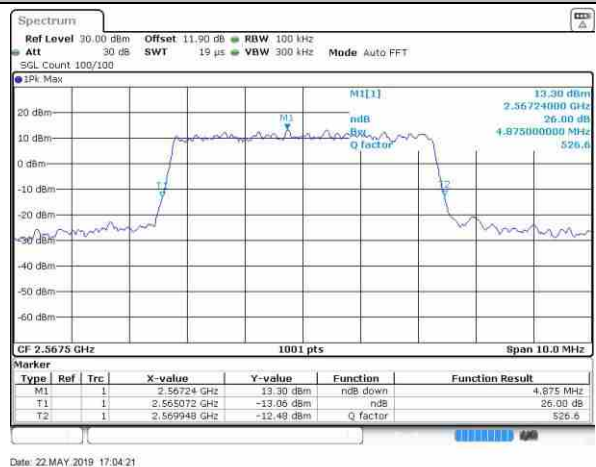
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



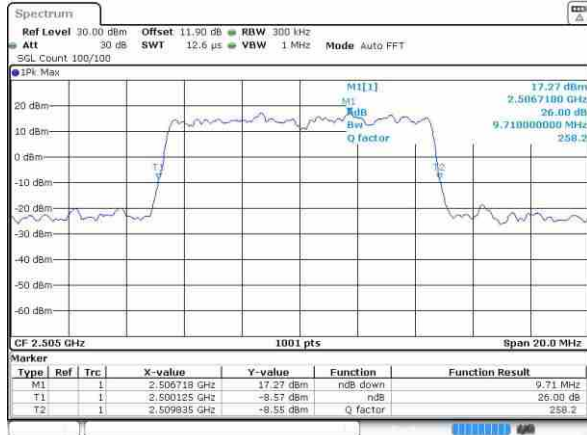
Highest Channel / 5MHz / 16QAM



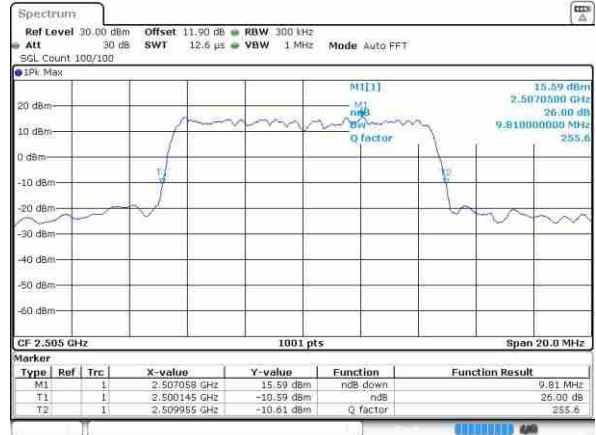


LTE Band 7

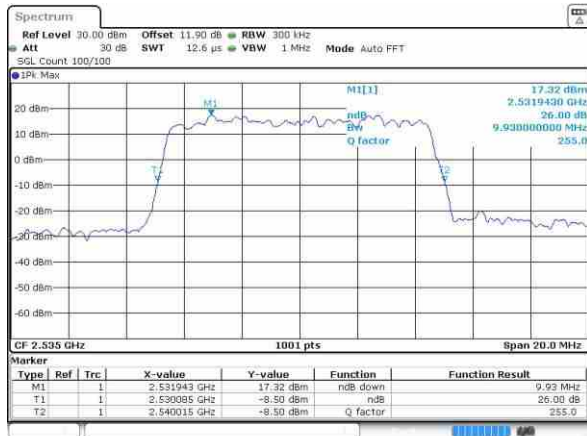
Lowest Channel / 10MHz / QPSK



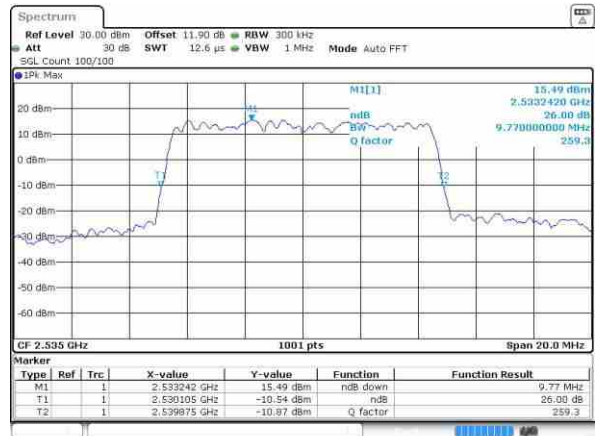
Lowest Channel / 10MHz / 16QAM



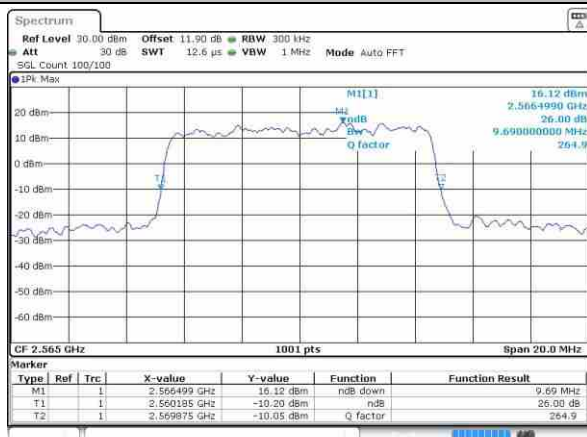
Middle Channel / 10MHz / QPSK



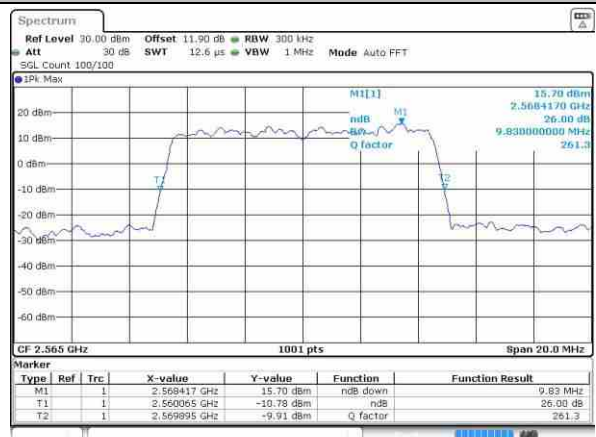
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



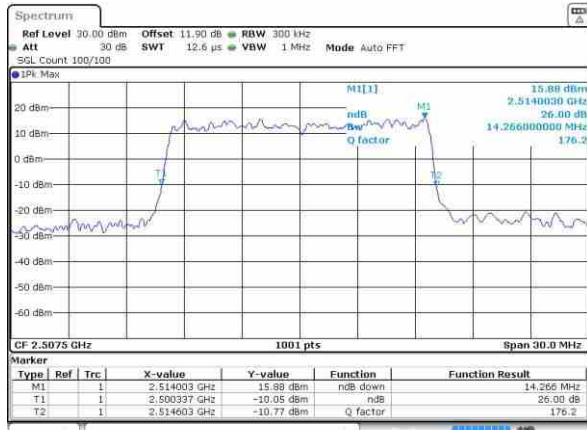
Highest Channel / 10MHz / 16QAM



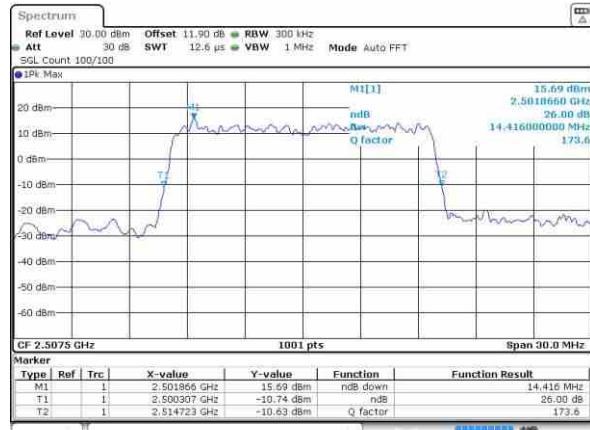


LTE Band 7

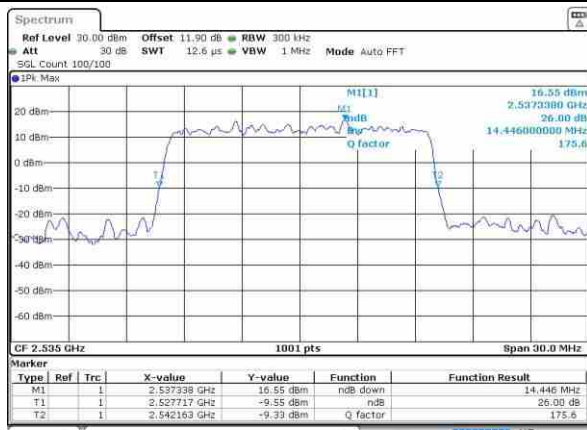
Lowest Channel / 15MHz / QPSK



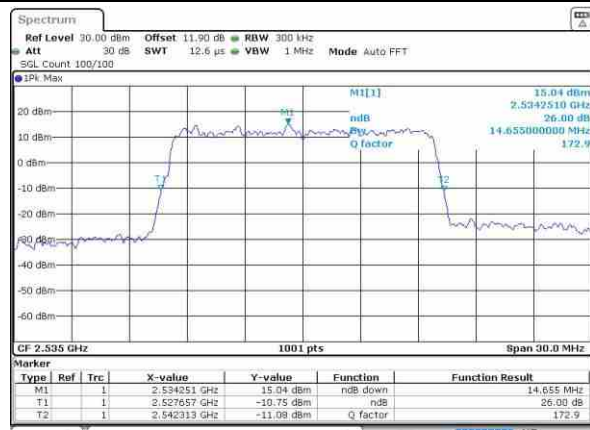
Lowest Channel / 15MHz / 16QAM



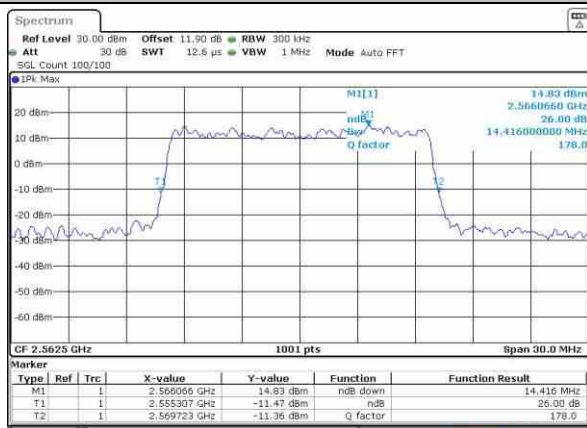
Middle Channel / 15MHz / QPSK



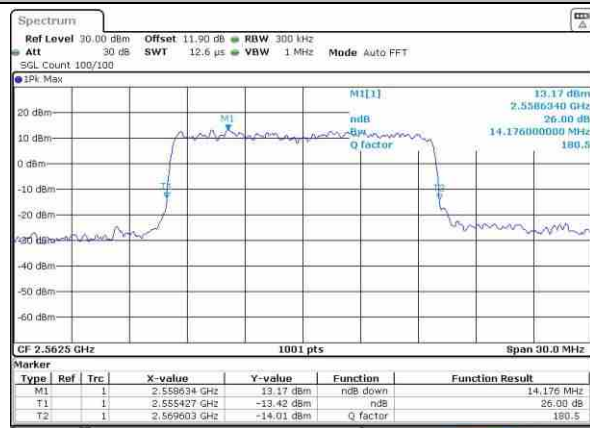
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



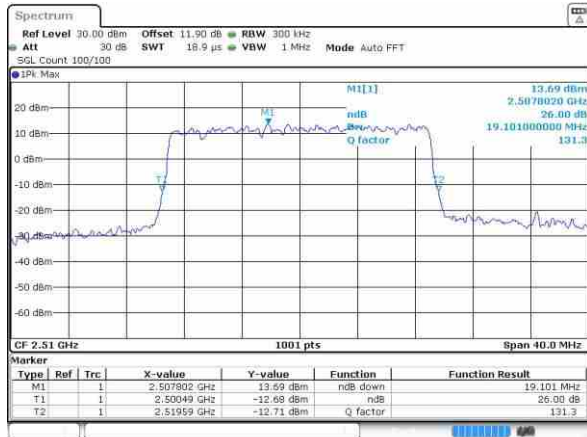
Highest Channel / 15MHz / 16QAM





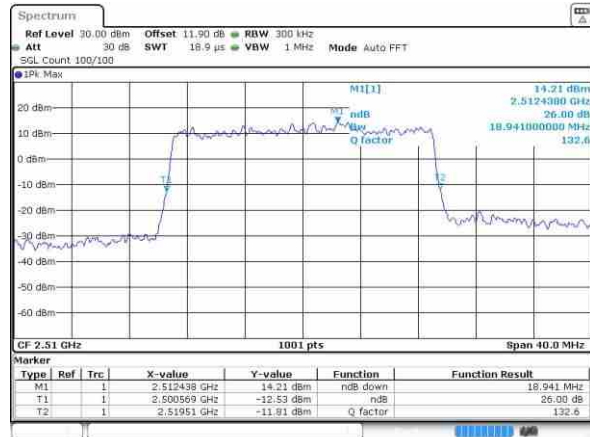
LTE Band 7

Lowest Channel / 20MHz / QPSK



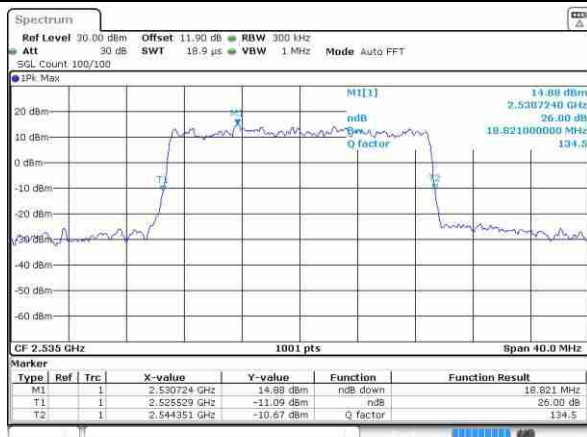
Date: 22 MAY 2019 17:47:15

Lowest Channel / 20MHz / 16QAM



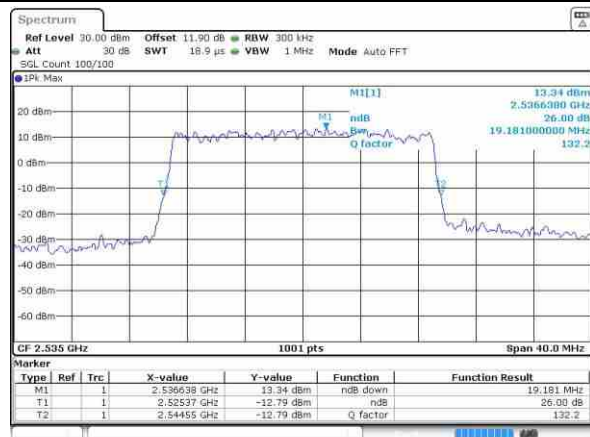
Date: 22 MAY 2019 17:47:27

Middle Channel / 20MHz / QPSK



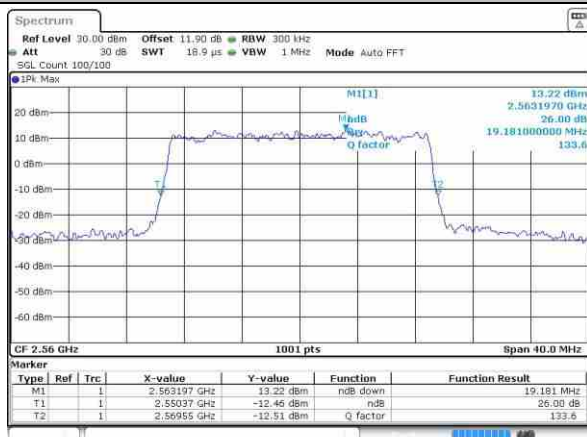
Date: 22 MAY 2019 18:12:14

Middle Channel / 20MHz / 16QAM



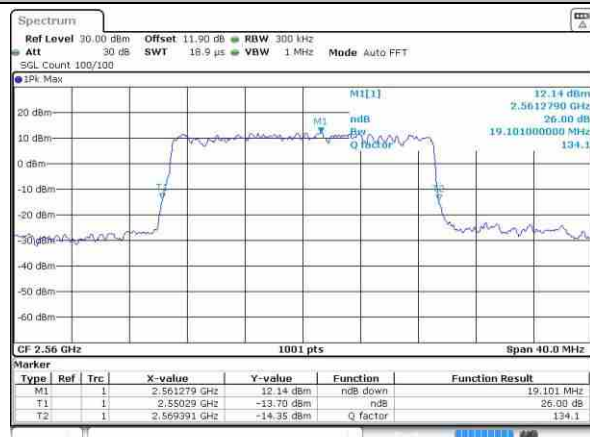
Date: 22 MAY 2019 18:12:25

Highest Channel / 20MHz / QPSK



Date: 22 MAY 2019 18:14:32

Highest Channel / 20MHz / 16QAM

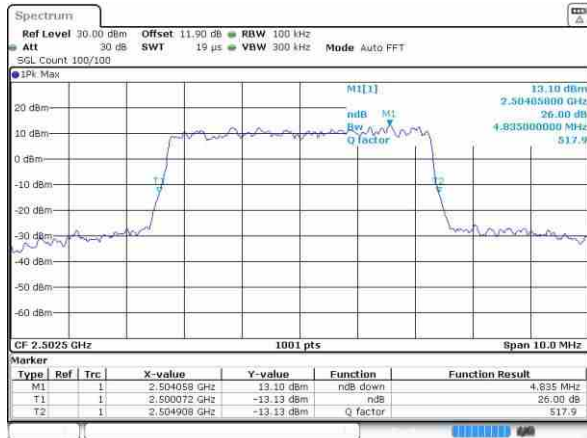


Date: 22 MAY 2019 18:14:45



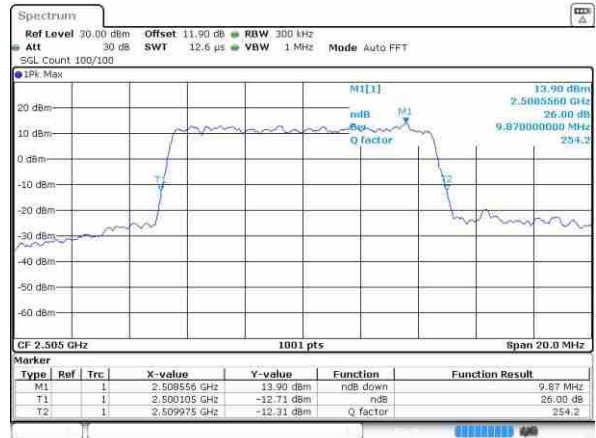
LTE Band 7

Lowest Channel / 5MHz / 64QAM



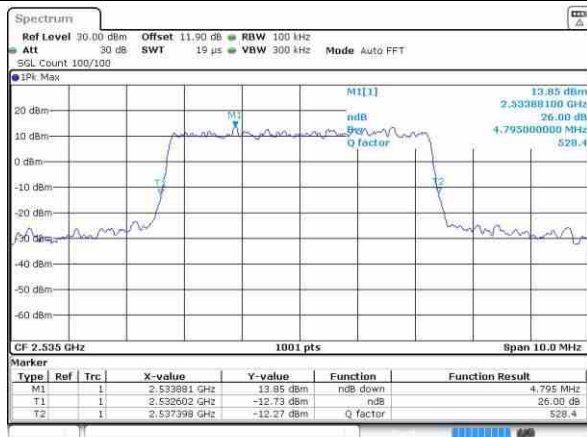
Date: 22 MAY 2019 17:08:21

Lowest Channel / 10MHz / 64QAM



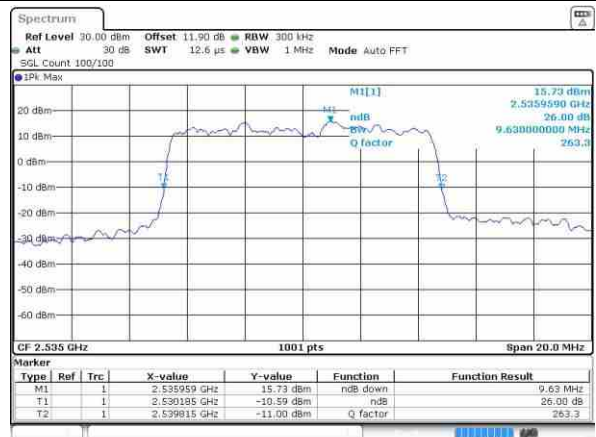
Date: 22 MAY 2019 17:24:55

Middle Channel / 5MHz / 64QAM



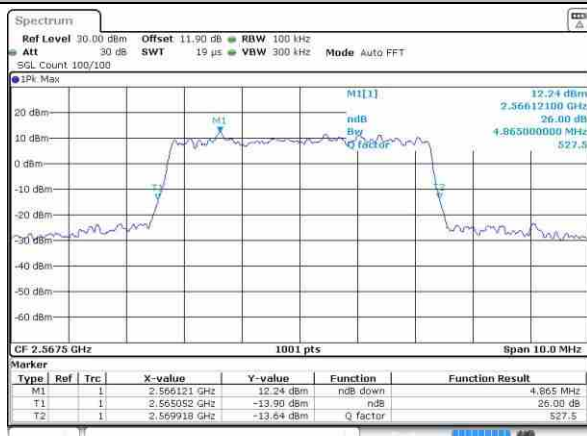
Date: 22 MAY 2019 17:10:32

Middle Channel / 10MHz / 64QAM



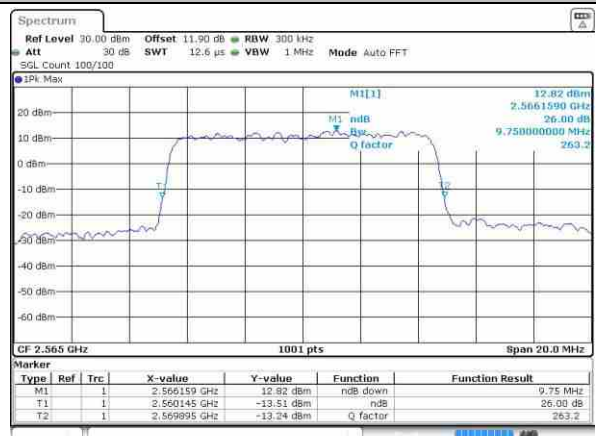
Date: 22 MAY 2019 17:27:07

Highest Channel / 5MHz / 64QAM



Date: 22 MAY 2019 17:11:40

Highest Channel / 10MHz / 64QAM

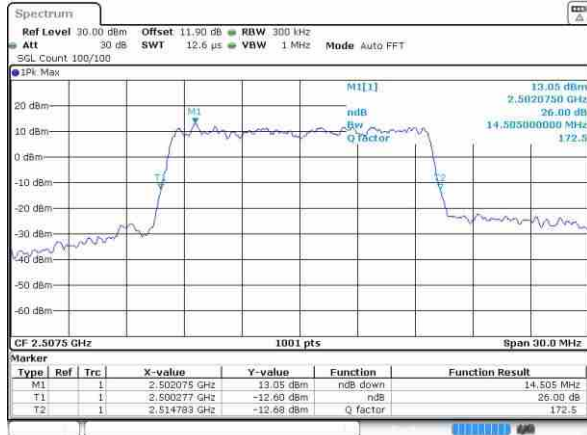


Date: 22 MAY 2019 17:28:14



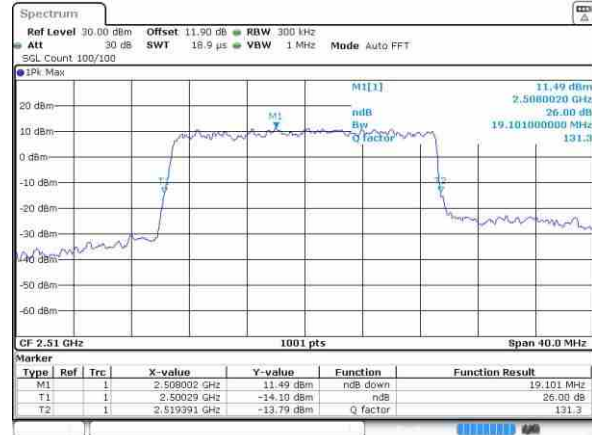
LTE Band 7

Lowest Channel / 15MHz / 64QAM



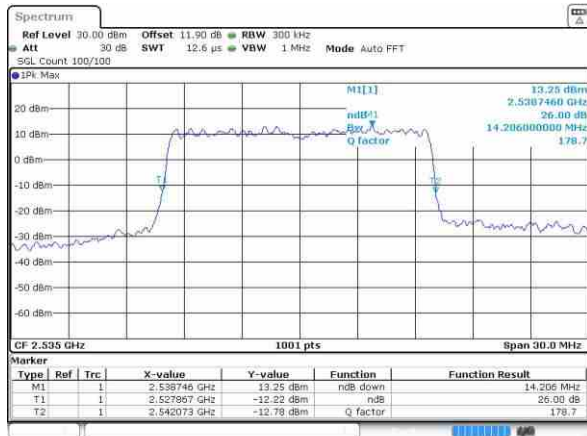
Date: 22 MAY 2019 17:41:31

Lowest Channel / 20MHz / 64QAM



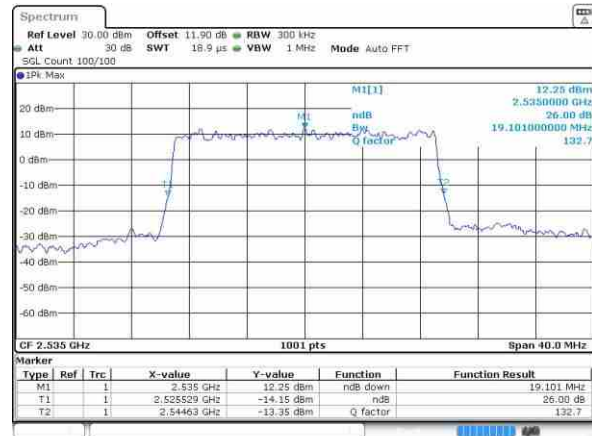
Date: 22 MAY 2019 18:18:49

Middle Channel / 15MHz / 64QAM



Date: 22 MAY 2019 17:43:42

Middle Channel / 20MHz / 64QAM



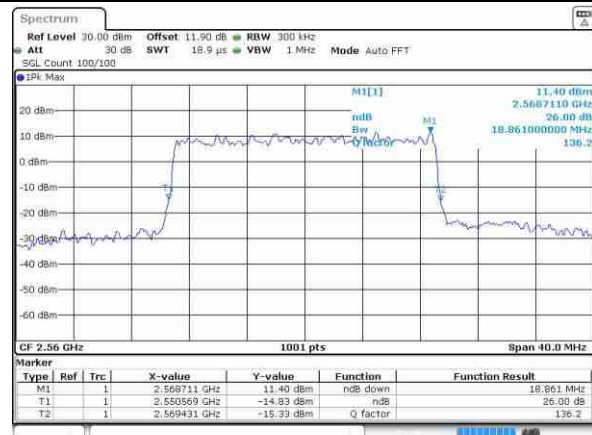
Date: 22 MAY 2019 18:21:02

Highest Channel / 15MHz / 64QAM



Date: 22 MAY 2019 17:44:49

Highest Channel / 20MHz / 64QAM



Date: 22 MAY 2019 18:22:11

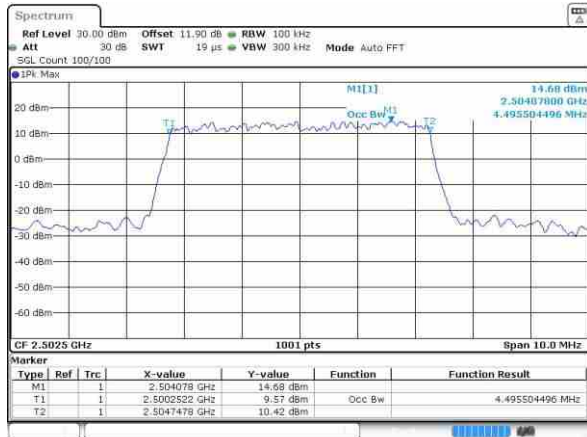
**Occupied Bandwidth**

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.51	9.07	9.01	13.40	13.46	17.90	17.90
Middle CH	-	-	-	-	4.48	4.50	9.07	9.01	13.43	13.43	17.86	17.86
Highest CH	-	-	-	-	4.49	4.48	9.01	9.03	13.43	13.46	17.90	17.94
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.51	-	9.03	-	13.43	-	17.86	-
Middle CH	-	-	-	-	4.48	-	9.03	-	13.40	-	17.82	-
Highest CH	-	-	-	-	4.50	-	9.03	-	13.37	-	17.94	-



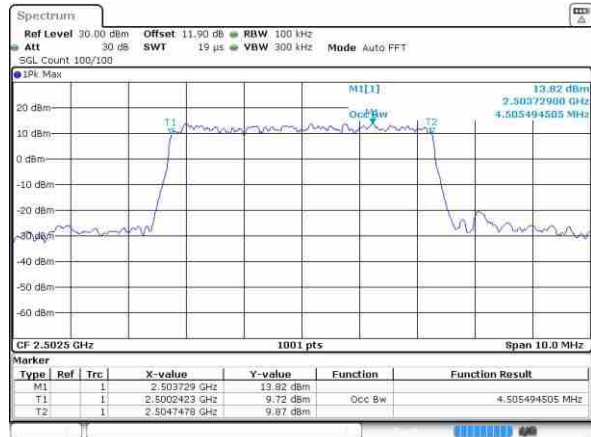
LTE Band 7

Lowest Channel / 5MHz / QPSK



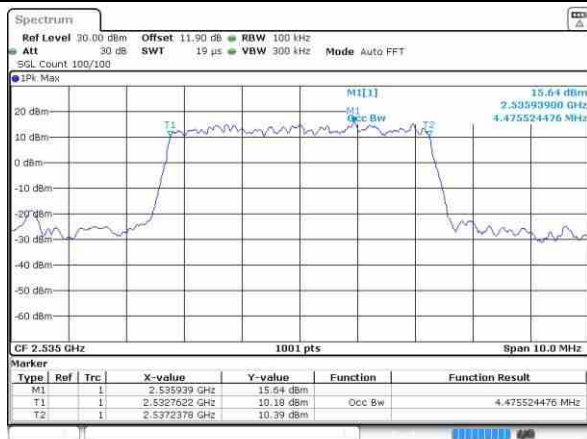
Date: 22 MAY 2019 16:57:05

Lowest Channel / 5MHz / 16QAM



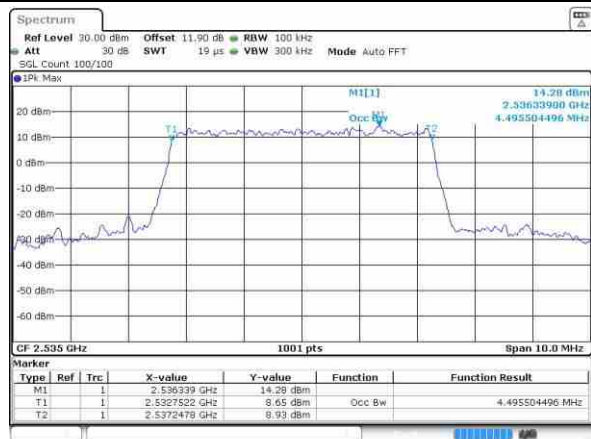
Date: 22 MAY 2019 16:57:18

Middle Channel / 5MHz / QPSK



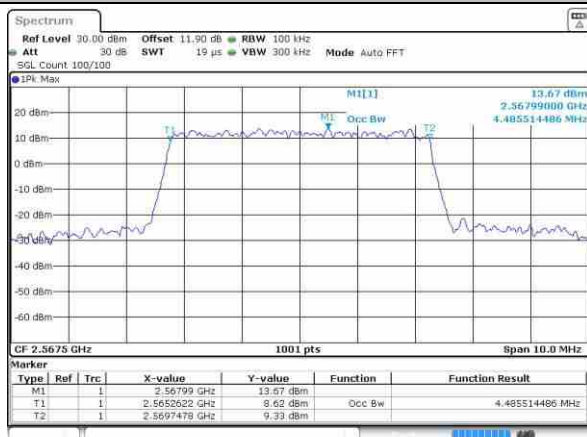
Date: 22 MAY 2019 17:01:30

Middle Channel / 5MHz / 16QAM



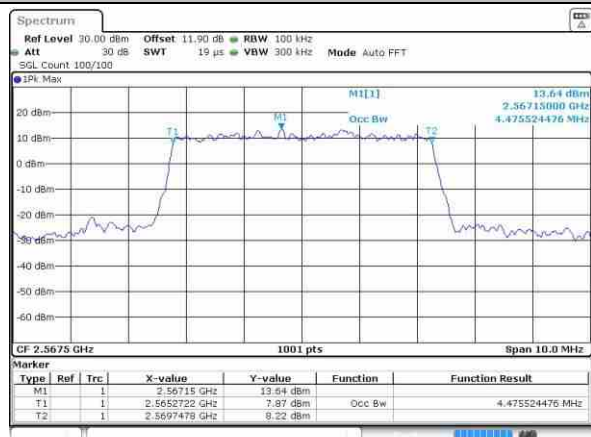
Date: 22 MAY 2019 17:01:41

Highest Channel / 5MHz / QPSK



Date: 22 MAY 2019 17:03:44

Highest Channel / 5MHz / 16QAM

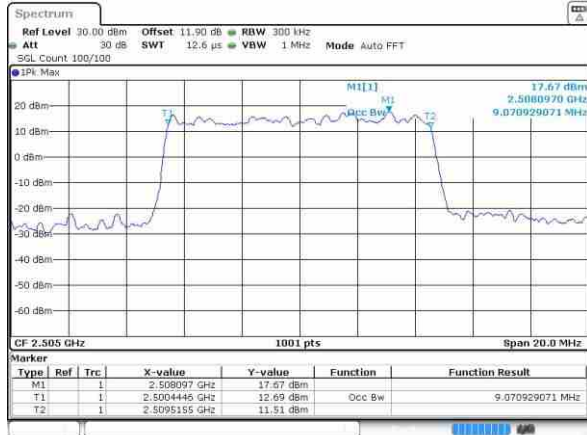


Date: 22 MAY 2019 17:03:56



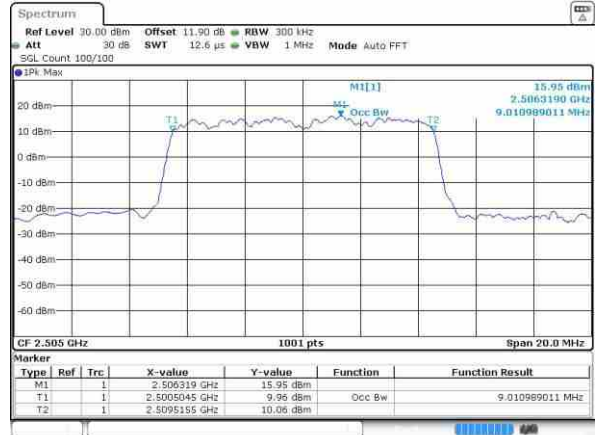
LTE Band 7

Lowest Channel / 10MHz / QPSK



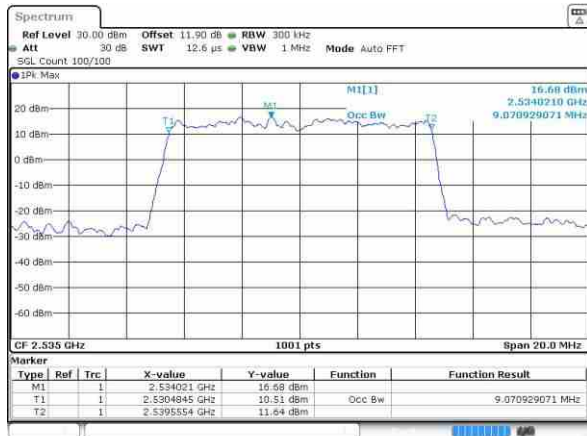
Date: 22 MAY 2019 17:13:40

Lowest Channel / 10MHz / 16QAM



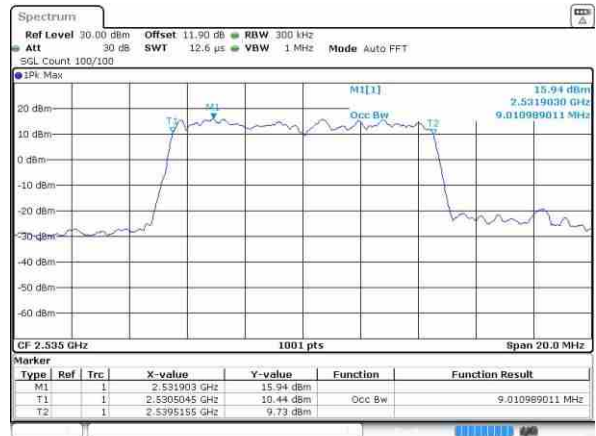
Date: 22 MAY 2019 17:13:52

Middle Channel / 10MHz / QPSK



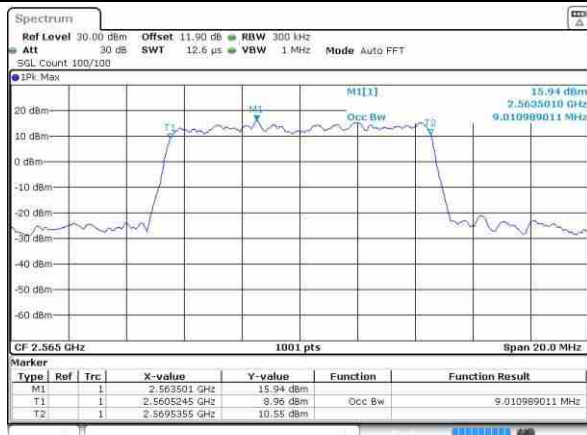
Date: 22 MAY 2019 17:18:04

Middle Channel / 10MHz / 16QAM



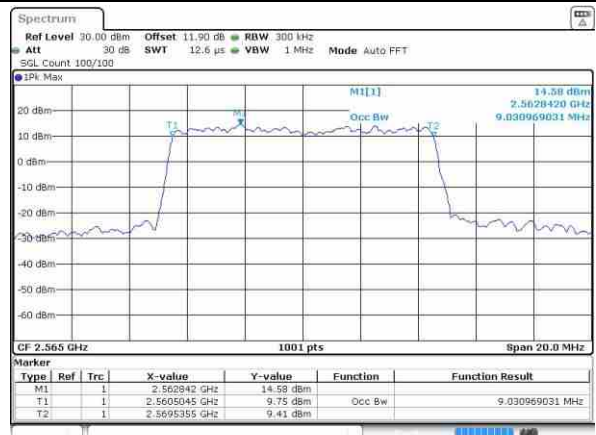
Date: 22 MAY 2019 17:18:16

Highest Channel / 10MHz / QPSK



Date: 22 MAY 2019 17:20:18

Highest Channel / 10MHz / 16QAM

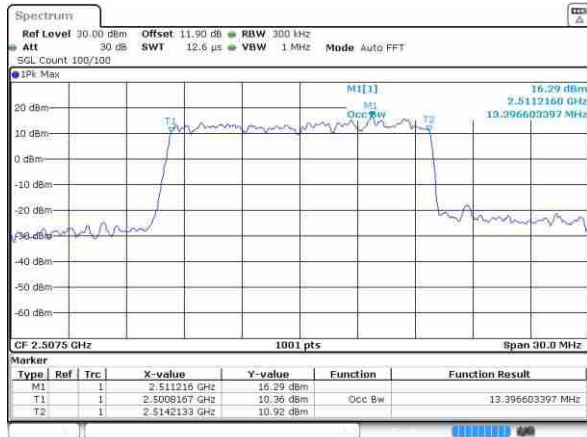


Date: 22 MAY 2019 17:20:31



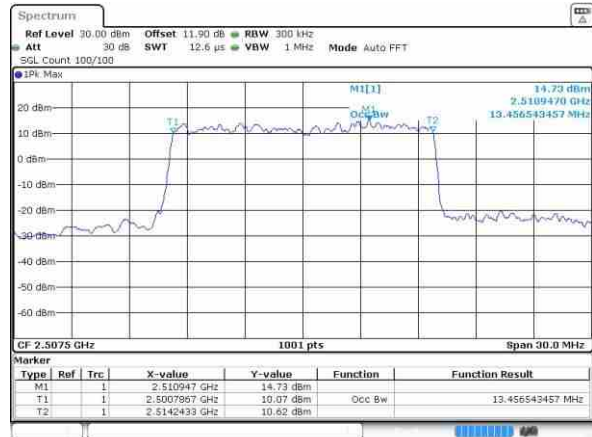
LTE Band 7

Lowest Channel / 15MHz / QPSK



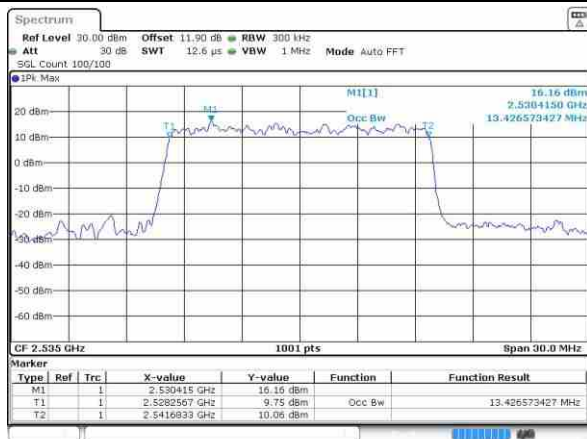
Date: 22 MAY 2019 17:30:15

Lowest Channel / 15MHz / 16QAM



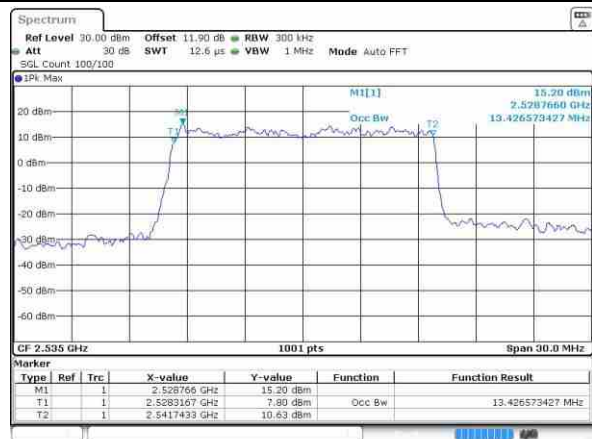
Date: 22 MAY 2019 17:30:27

Middle Channel / 15MHz / QPSK



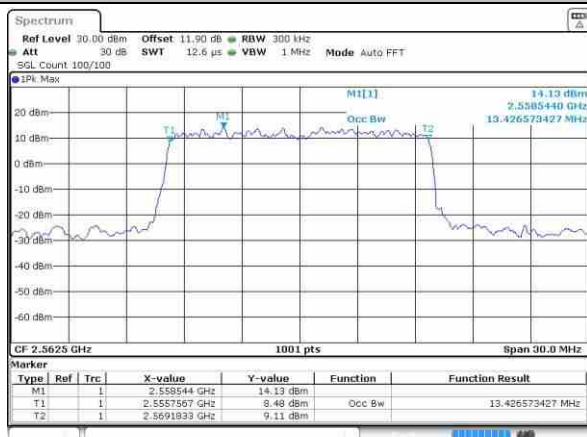
Date: 22 MAY 2019 17:34:39

Middle Channel / 15MHz / 16QAM



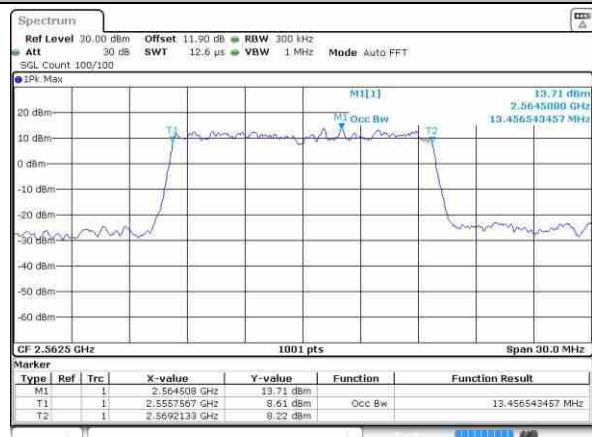
Date: 22 MAY 2019 17:30:51

Highest Channel / 15MHz / QPSK



Date: 22 MAY 2019 17:36:54

Highest Channel / 15MHz / 16QAM

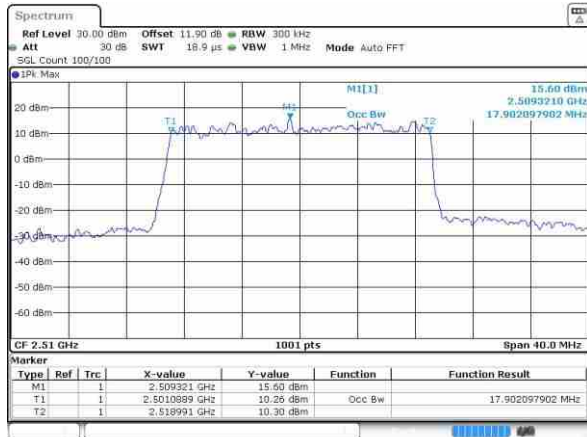


Date: 22 MAY 2019 17:37:06



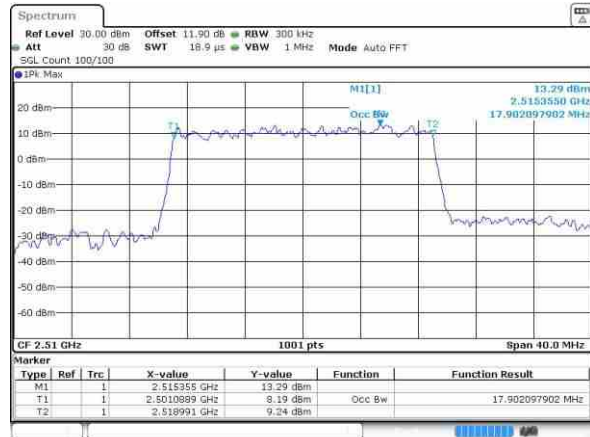
LTE Band 7

Lowest Channel / 20MHz / QPSK



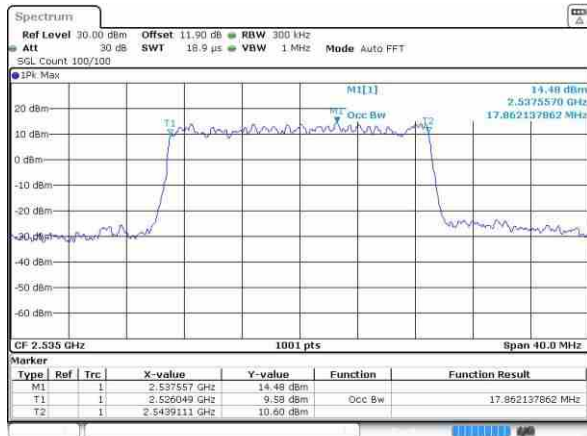
Date: 22 MAY 2019 17:46:50

Lowest Channel / 20MHz / 16QAM



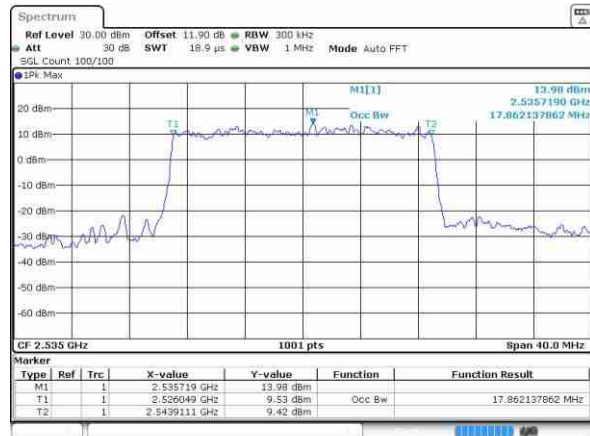
Date: 22 MAY 2019 17:47:02

Middle Channel / 20MHz / QPSK



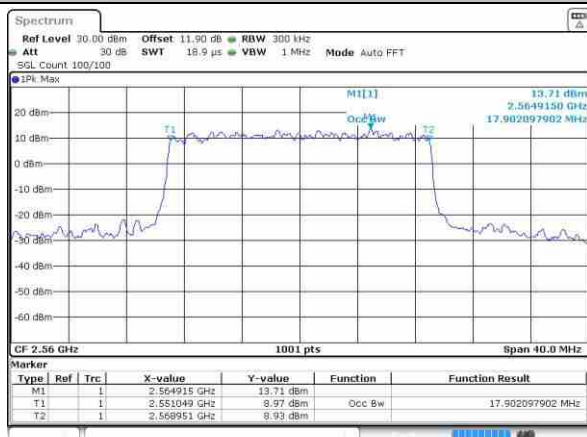
Date: 22 MAY 2019 17:51:14

Middle Channel / 20MHz / 16QAM



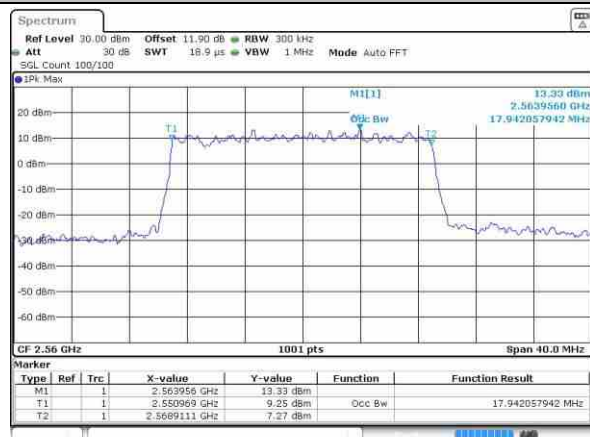
Date: 22 MAY 2019 17:51:26

Highest Channel / 20MHz / QPSK



Date: 22 MAY 2019 18:14:08

Highest Channel / 20MHz / 16QAM

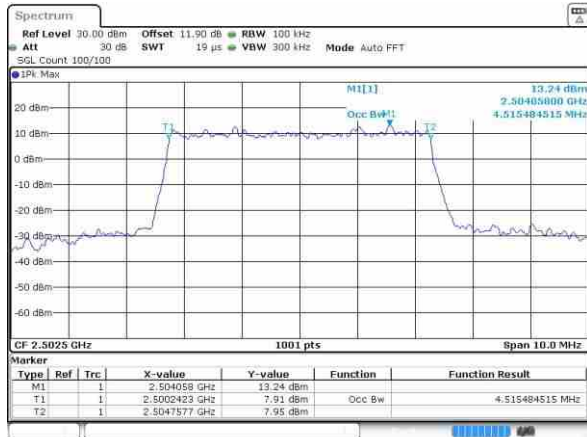


Date: 22 MAY 2019 18:14:20

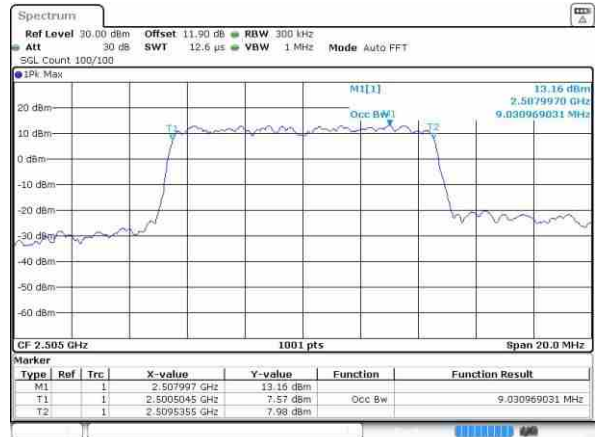


LTE Band 7

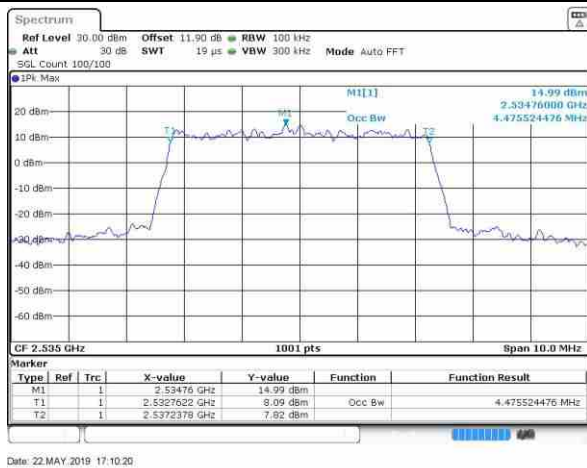
Lowest Channel / 5MHz / 64QAM



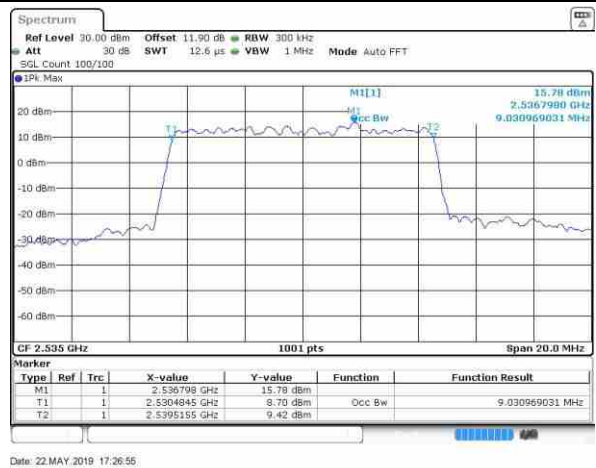
Lowest Channel / 10MHz / 64QAM



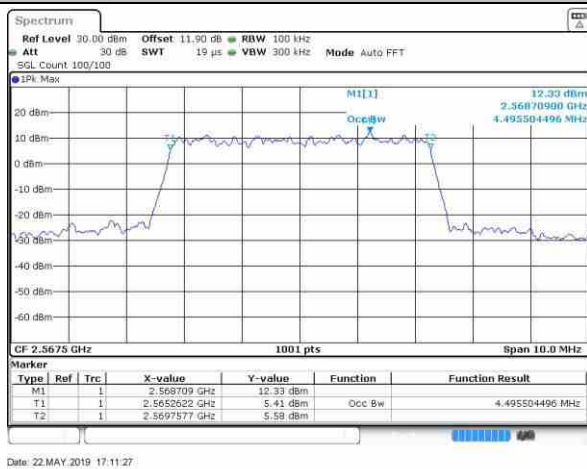
Middle Channel / 5MHz / 64QAM



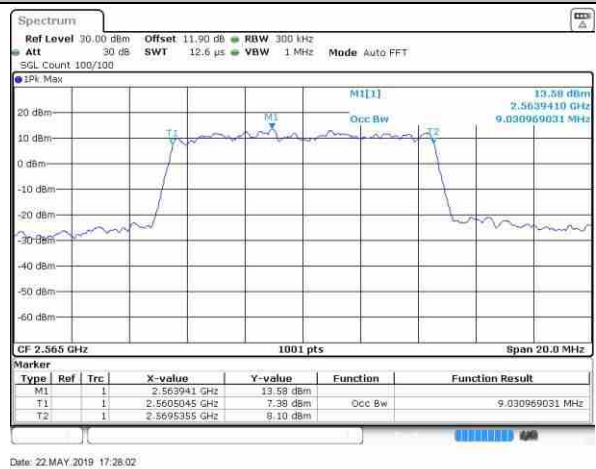
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



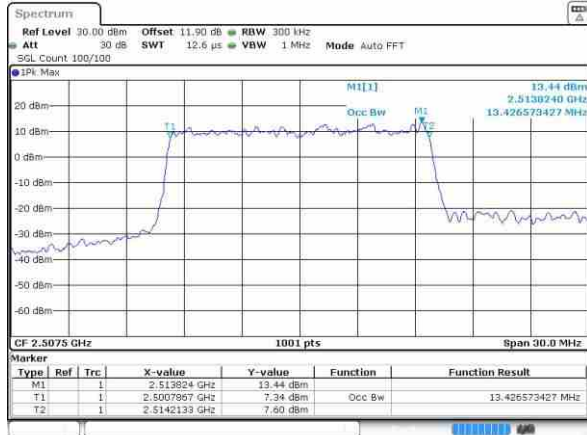
Highest Channel / 10MHz / 64QAM



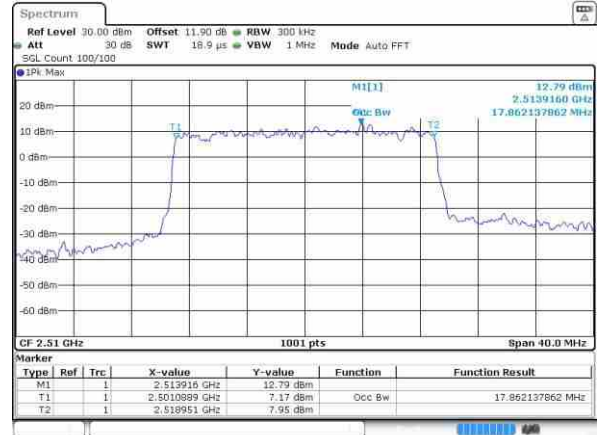


LTE Band 7

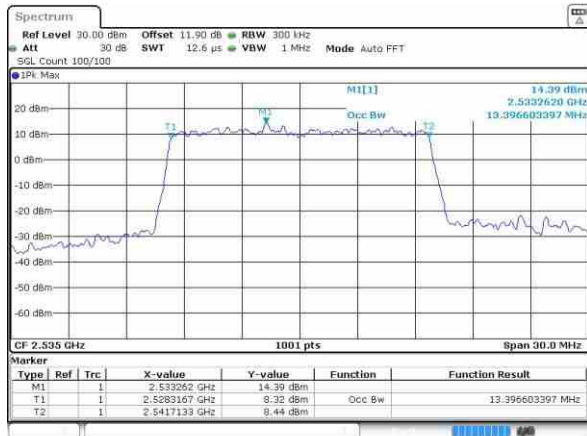
Lowest Channel / 15MHz / 64QAM



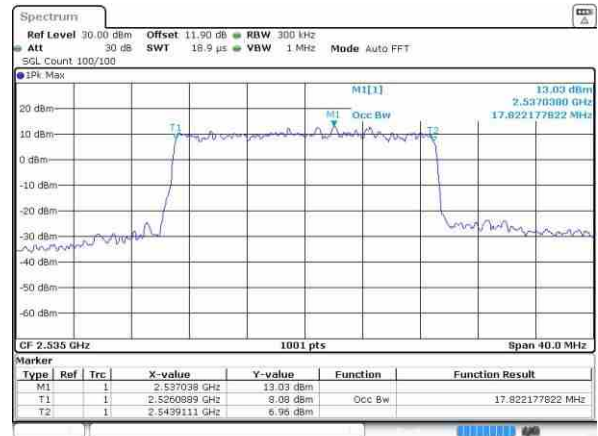
Lowest Channel / 20MHz / 64QAM



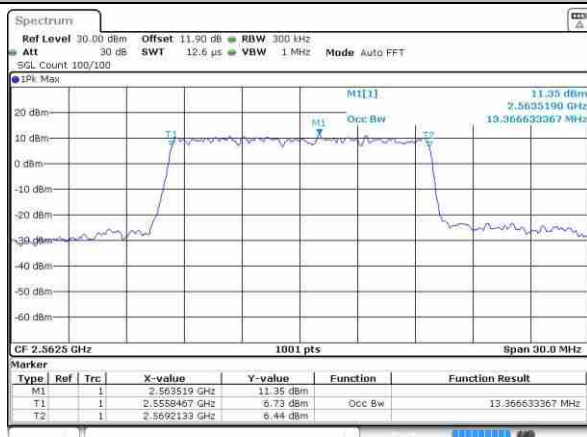
Middle Channel / 15MHz / 64QAM



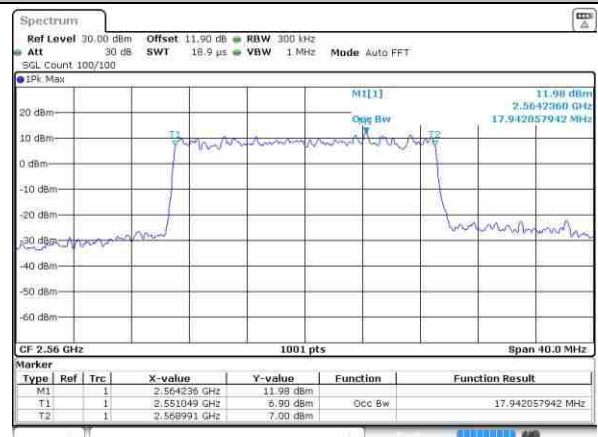
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



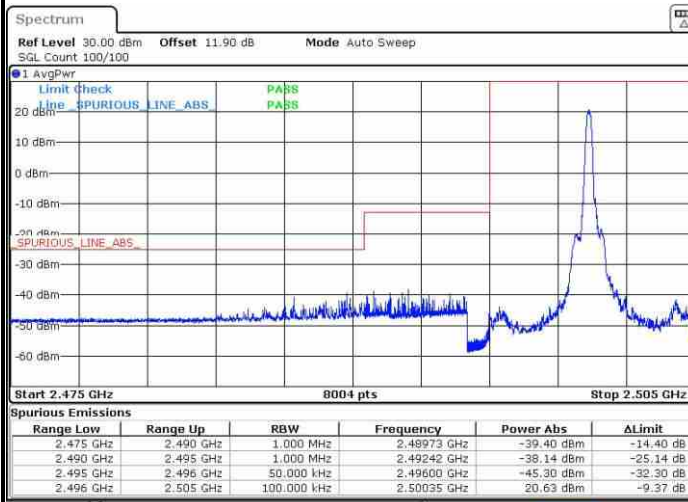


Conducted Band Edge

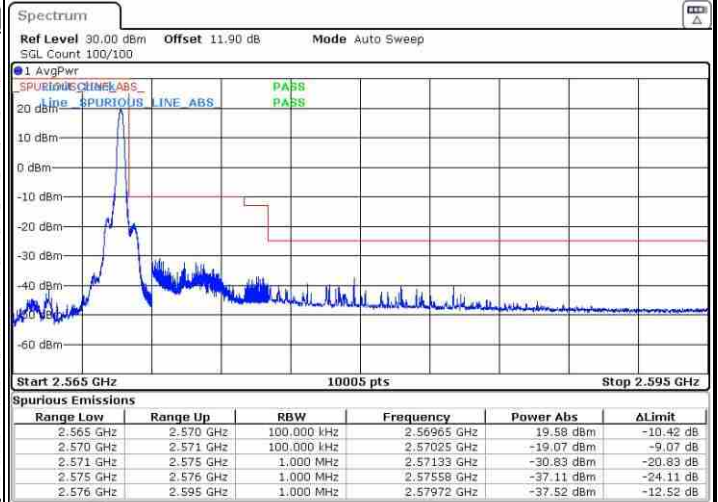


LTE Band 7 / 5MHz / QPSK

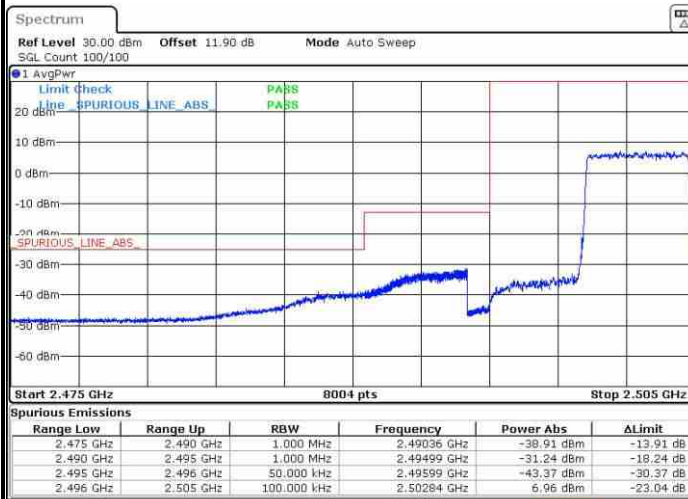
Lowest Band Edge / 1 RB



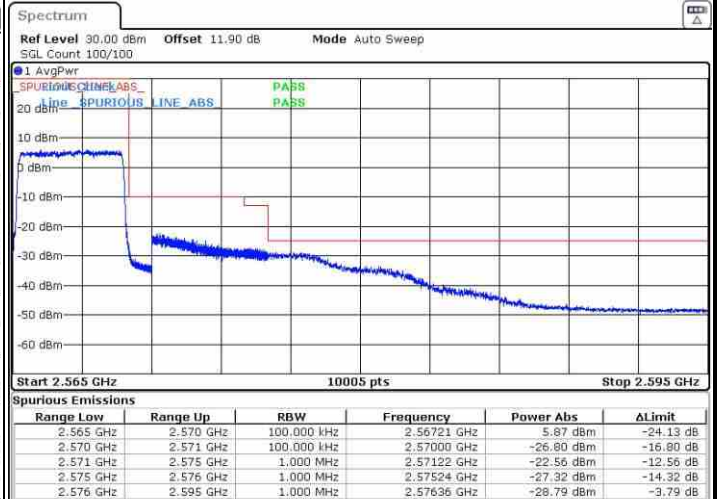
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



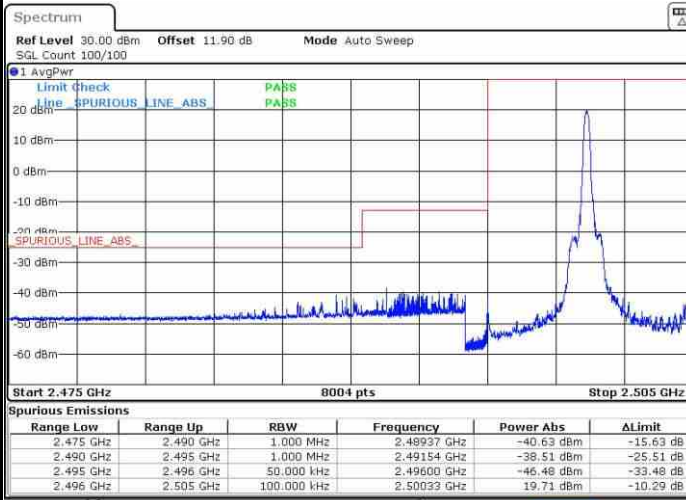
Highest Band Edge / Full RB





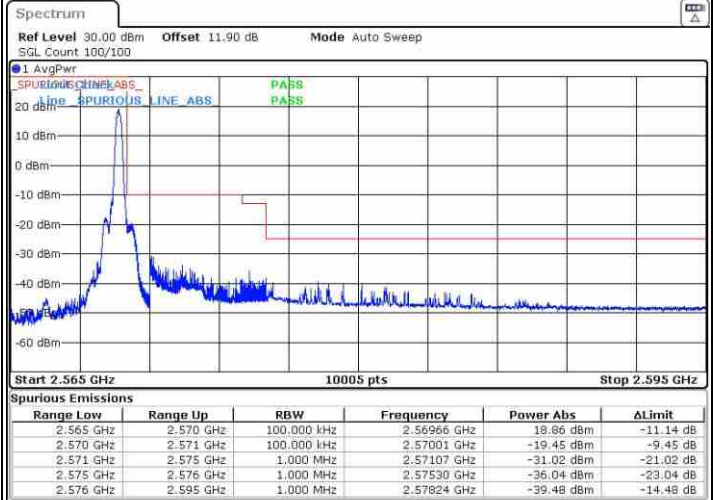
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



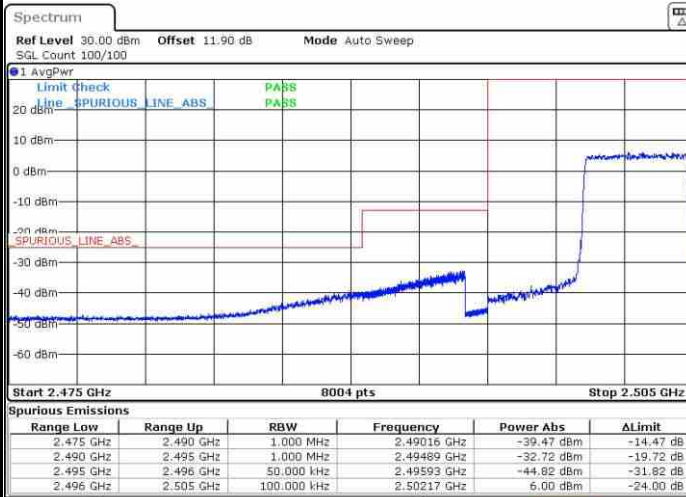
Date: 22 MAY 2019 16:58:45

Highest Band Edge / 1 RB



Date: 22 MAY 2019 17:05:24

Lowest Band Edge / Full RB



Date: 22 MAY 2019 16:59:49

Highest Band Edge / Full RB

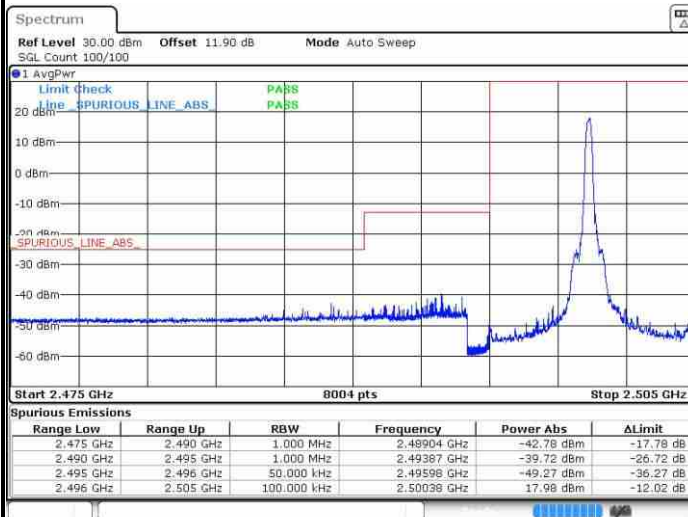


Date: 22 MAY 2019 17:06:28

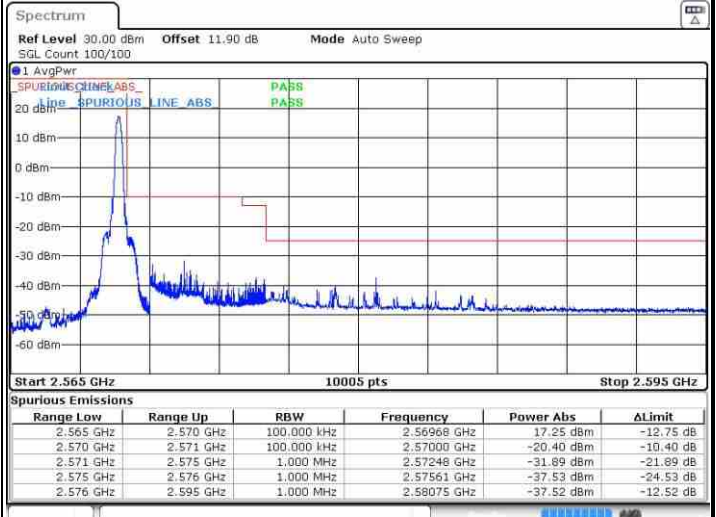


LTE Band 7 / 5MHz / 64QAM

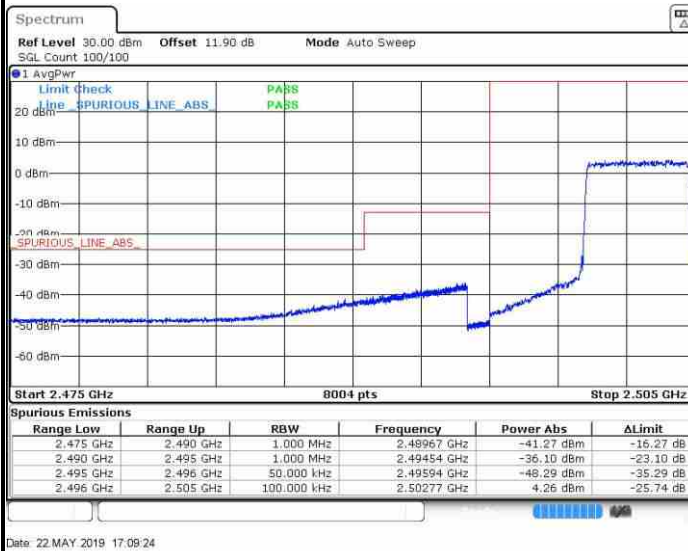
Lowest Band Edge / 1RB



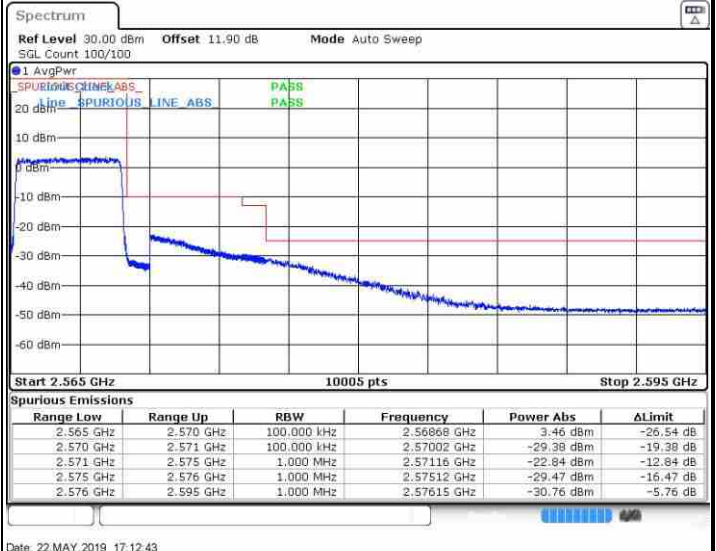
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



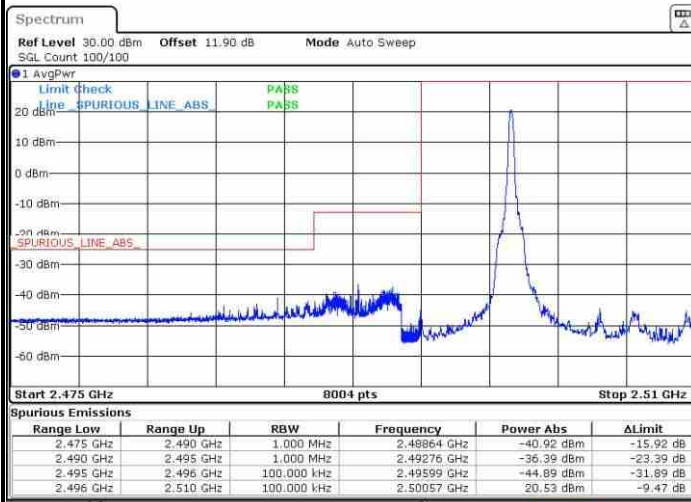
Highest Band Edge / Full RB





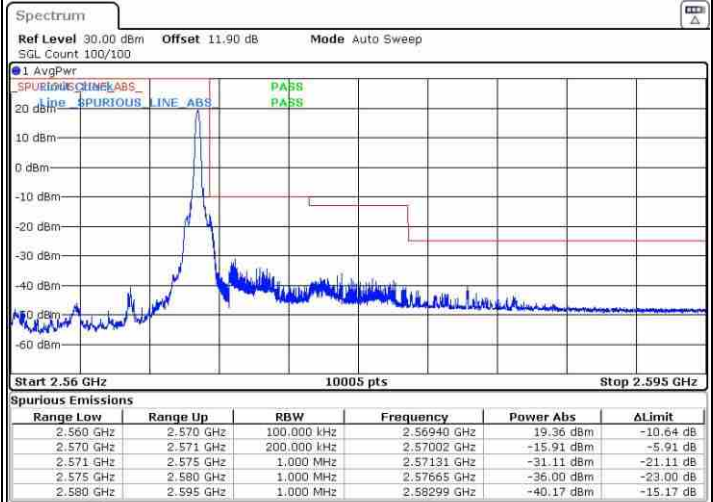
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



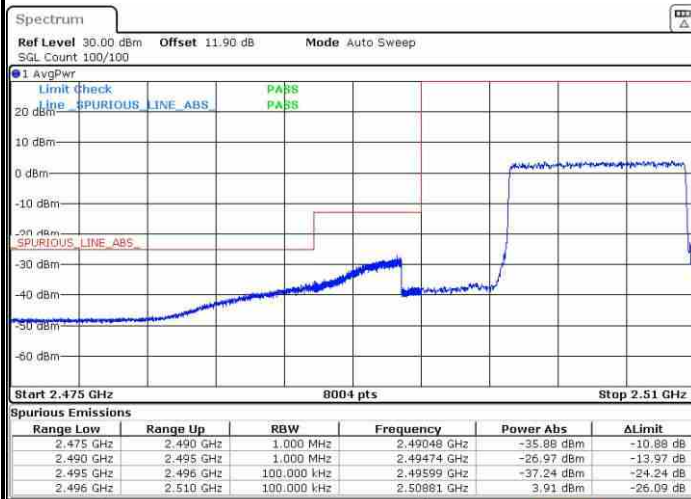
Date: 22 MAY 2019 17:14:48

Highest Band Edge / 1 RB



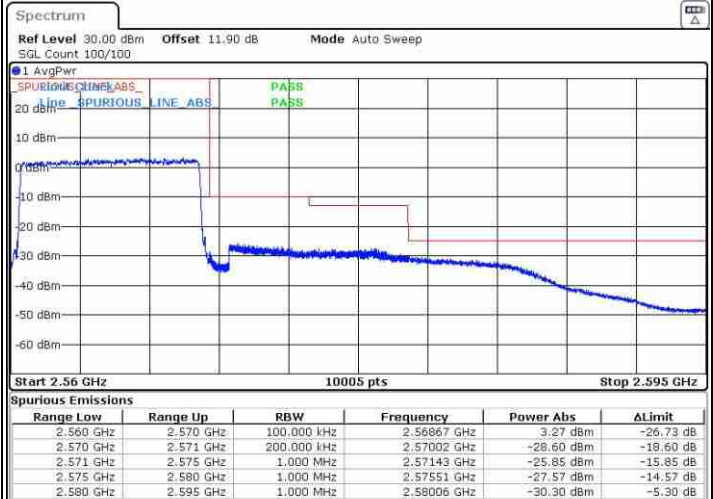
Date: 22 MAY 2019 17:21:27

Lowest Band Edge / Full RB



Date: 22 MAY 2019 17:15:52

Highest Band Edge / Full RB

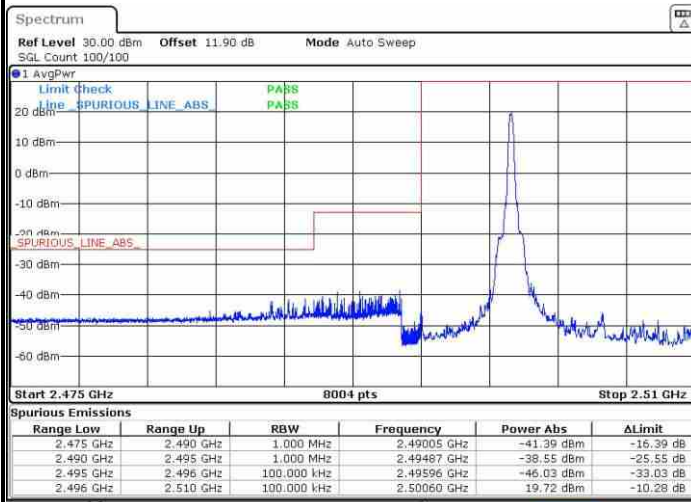


Date: 22 MAY 2019 17:22:31



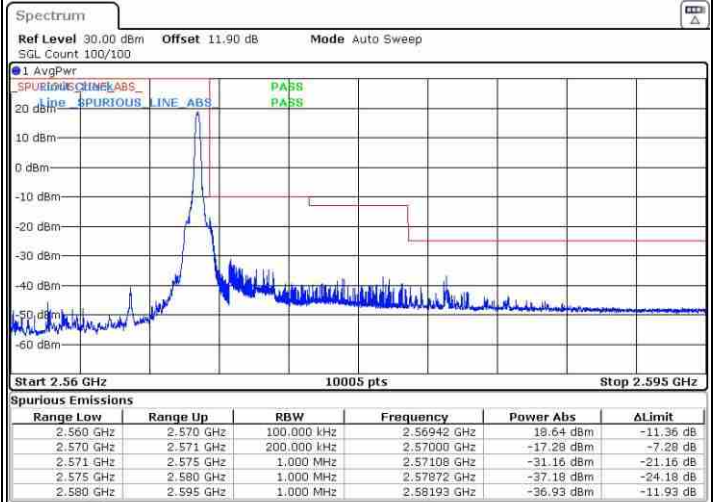
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



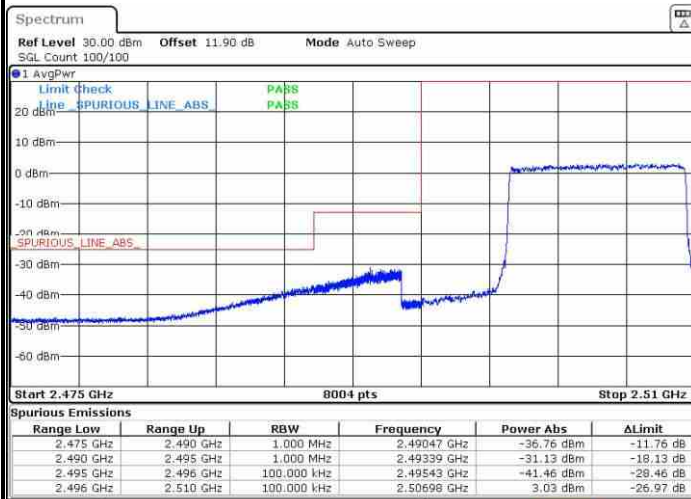
Date: 22 MAY 2019 17:15:20

Highest Band Edge / 1 RB



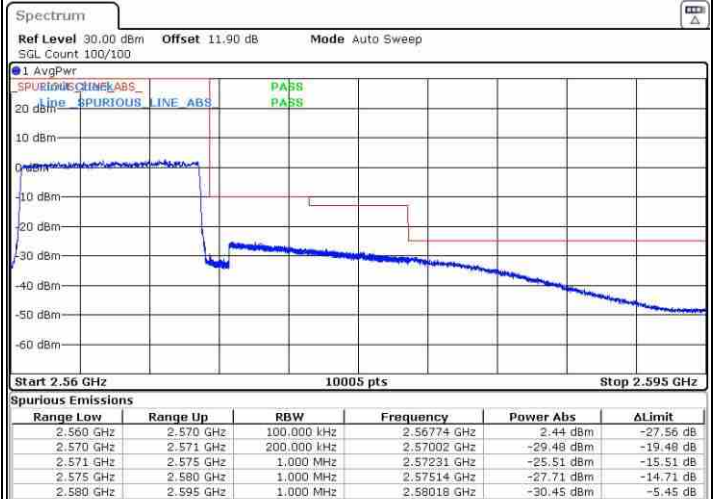
Date: 22 MAY 2019 17:21:59

Lowest Band Edge / Full RB



Date: 22 MAY 2019 17:16:23

Highest Band Edge / Full RB

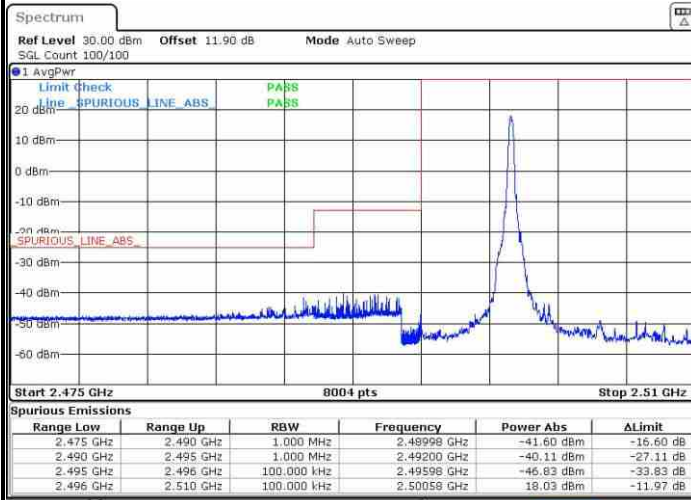


Date: 22 MAY 2019 17:23:02



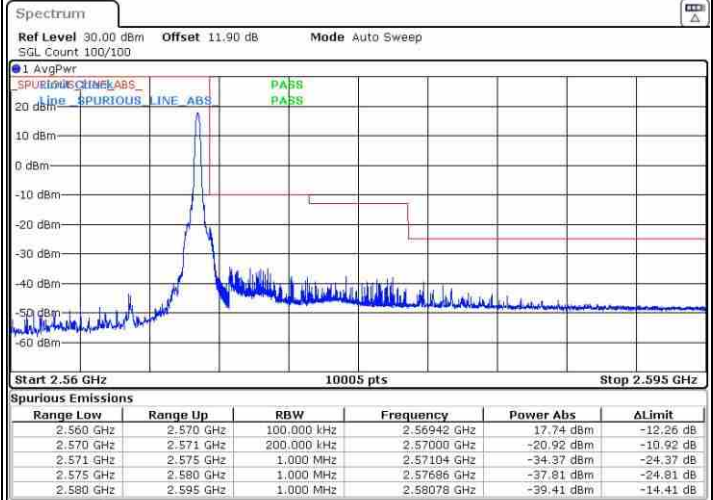
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 22 MAY 2019 17:25:27

Highest Band Edge / 1 RB



Date: 22 MAY 2019 17:28:45

Lowest Band Edge / Full RB



Date: 22 MAY 2019 17:25:58

Highest Band Edge / Full RB

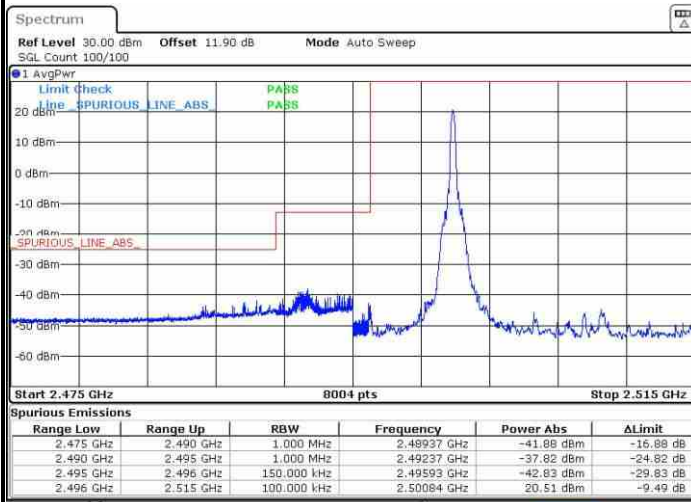


Date: 22 MAY 2019 17:29:17

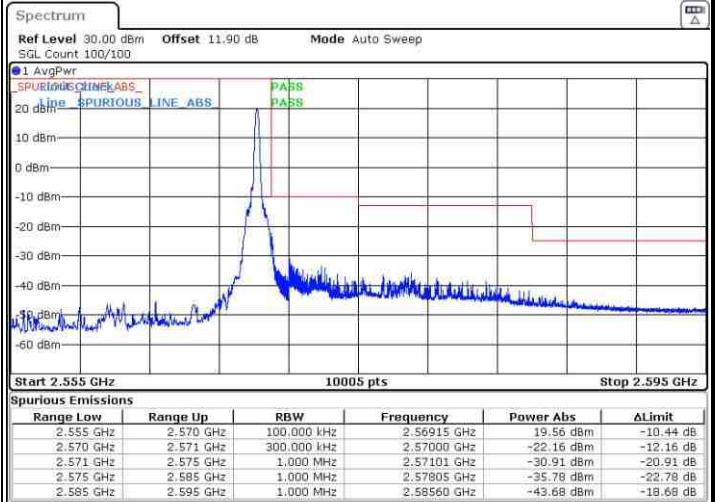


LTE Band 7 / 15MHz / QPSK

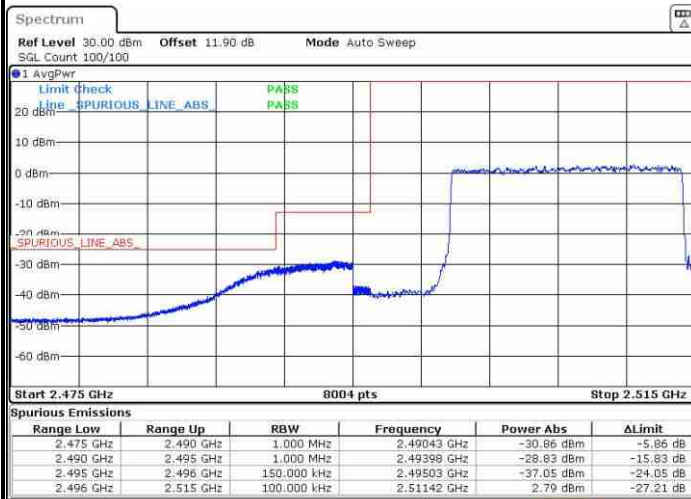
Lowest Band Edge / 1 RB



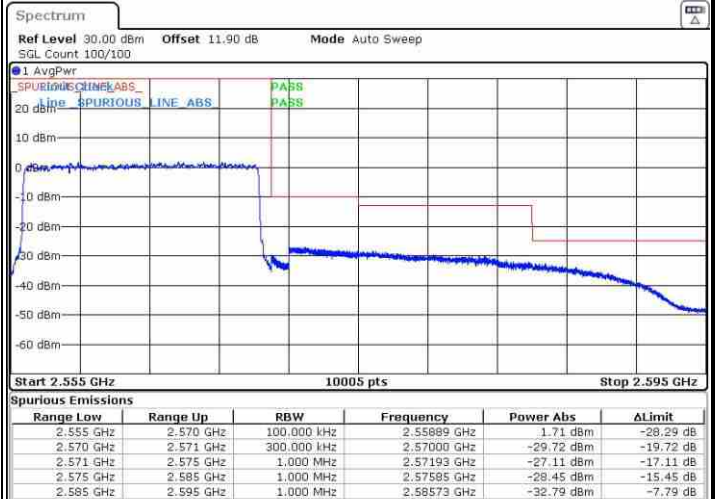
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



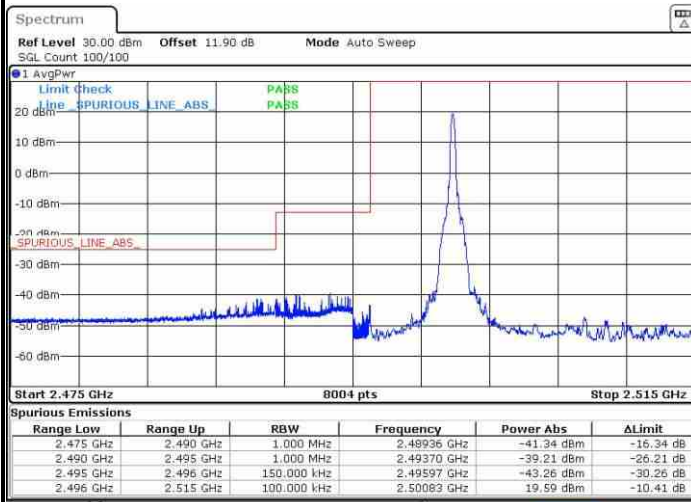
Highest Band Edge / Full RB





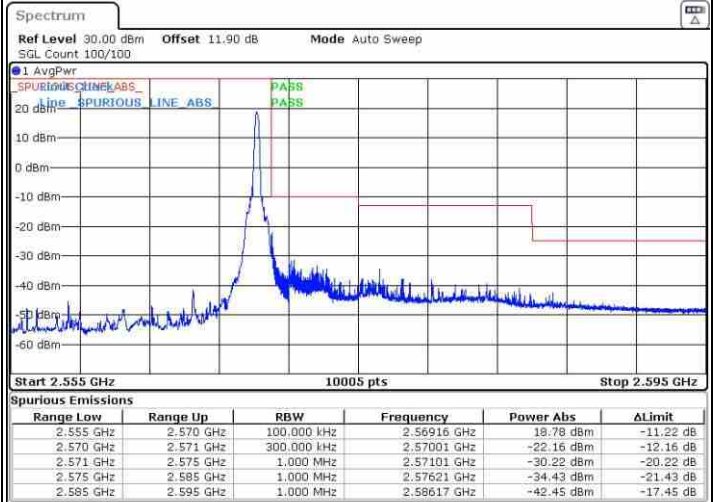
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



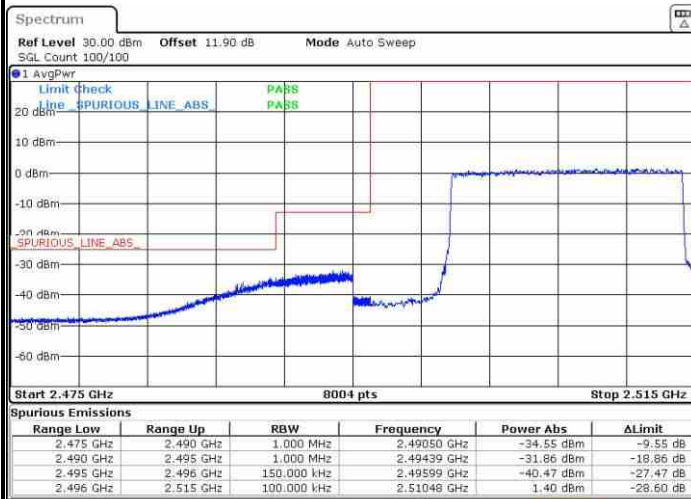
Date: 22 MAY 2019 17:31:55

Highest Band Edge / 1 RB



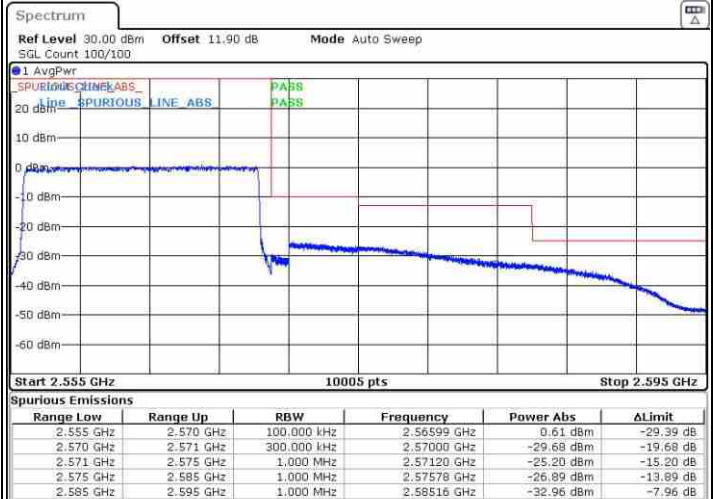
Date: 22 MAY 2019 17:38:34

Lowest Band Edge / Full RB



Date: 22 MAY 2019 17:32:58

Highest Band Edge / Full RB

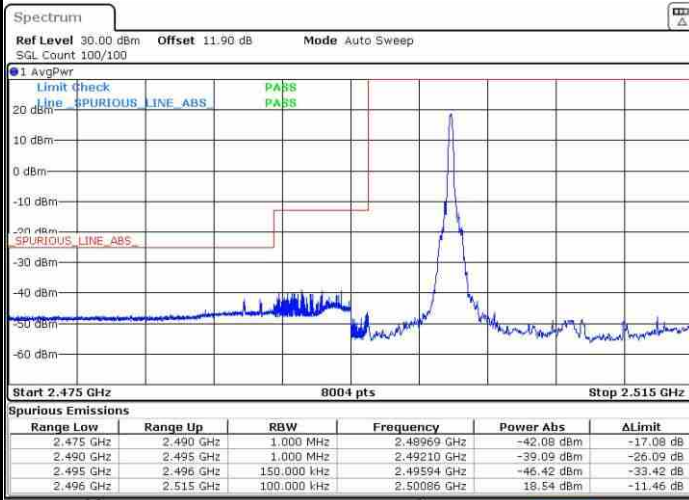


Date: 22 MAY 2019 17:39:37

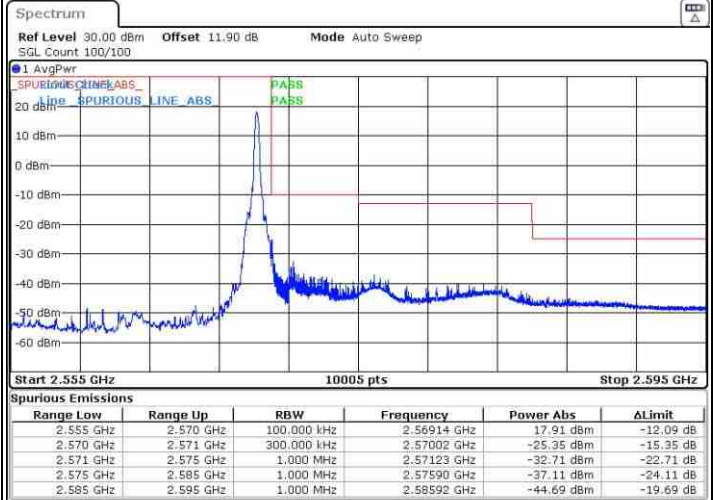


LTE Band 7 / 15MHz / 64QAM

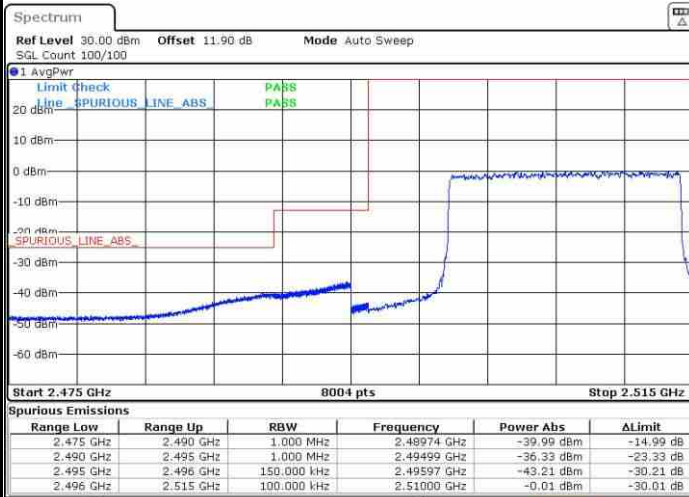
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



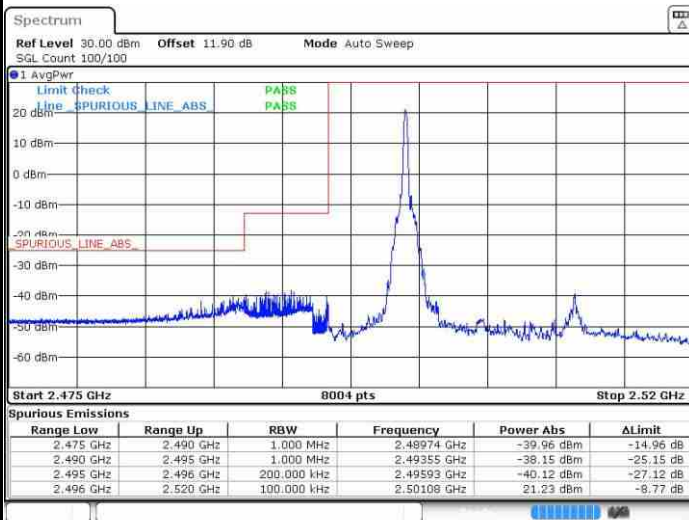
Highest Band Edge / Full RB



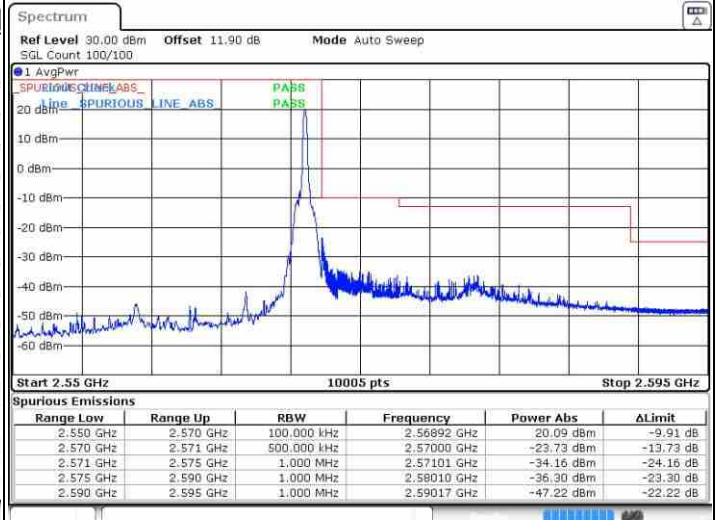


LTE Band 7 / 20MHz / QPSK

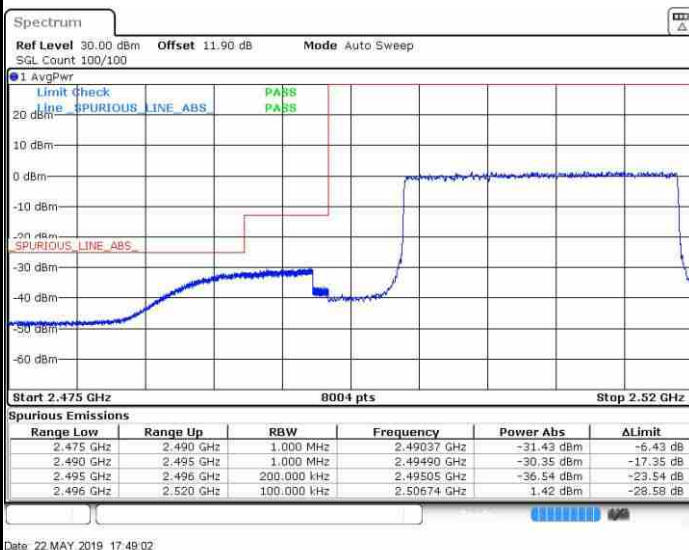
Lowest Band Edge / 1 RB



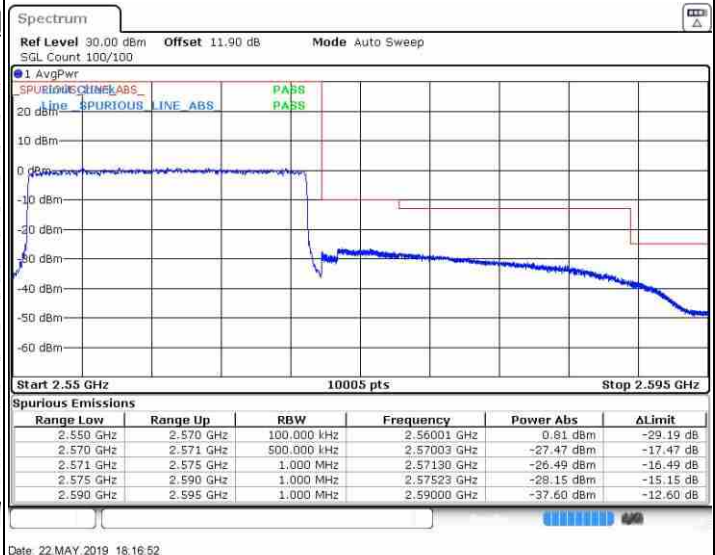
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



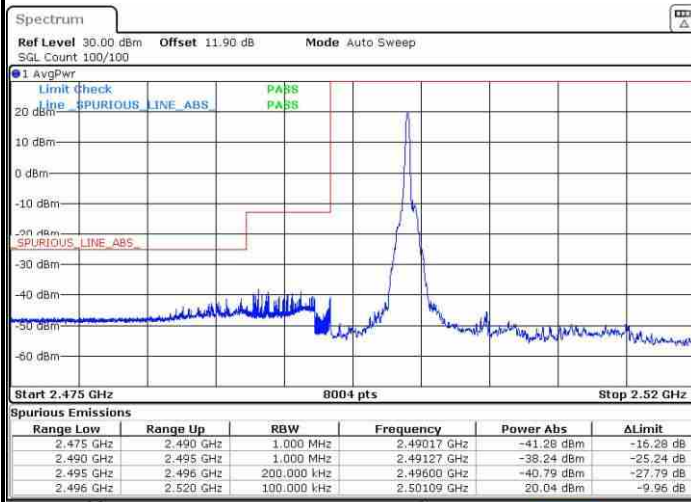
Highest Band Edge / Full RB





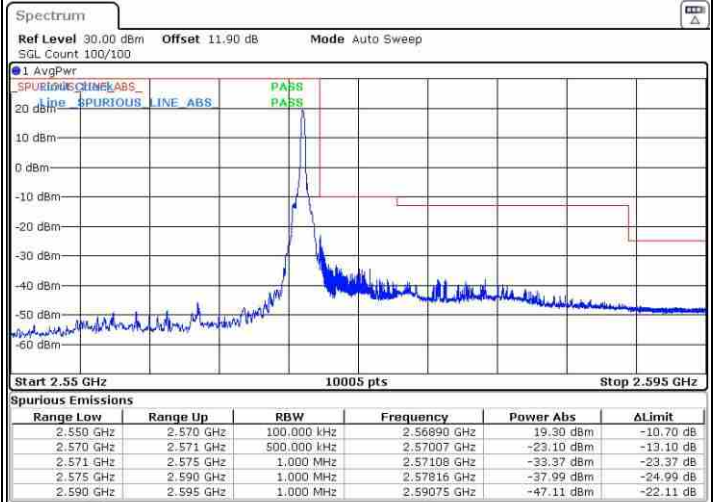
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



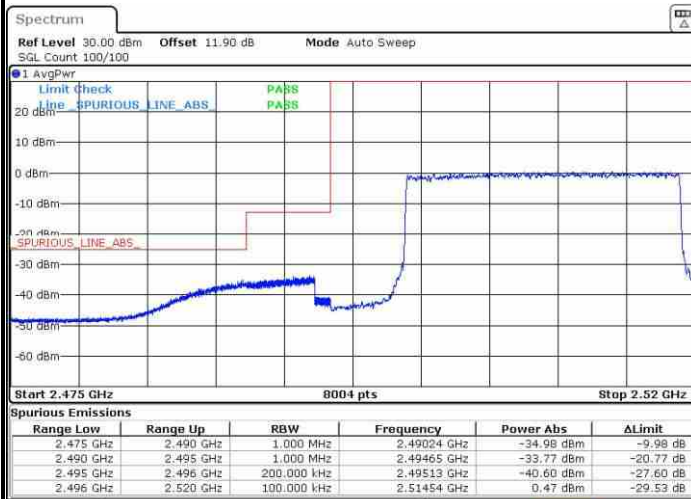
Date: 22 MAY 2019 17:48:30

Highest Band Edge / 1RB



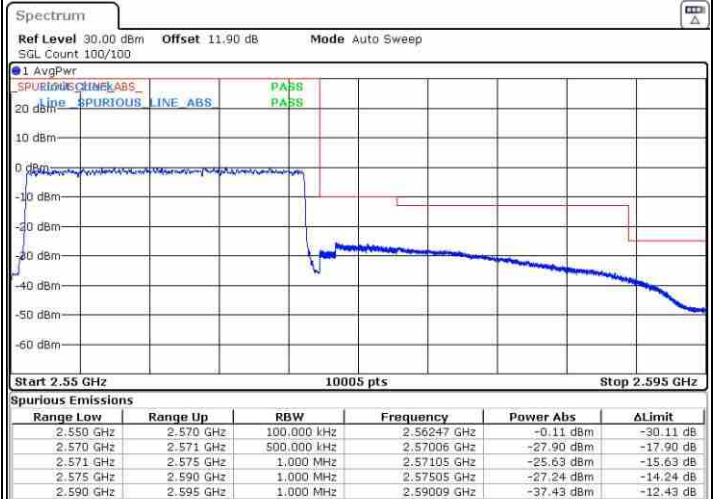
Date: 22 MAY 2019 18:15:49

Lowest Band Edge / Full RB



Date: 22 MAY 2019 17:49:34

Highest Band Edge / Full RB



Date: 22 MAY 2019 18:16:20