

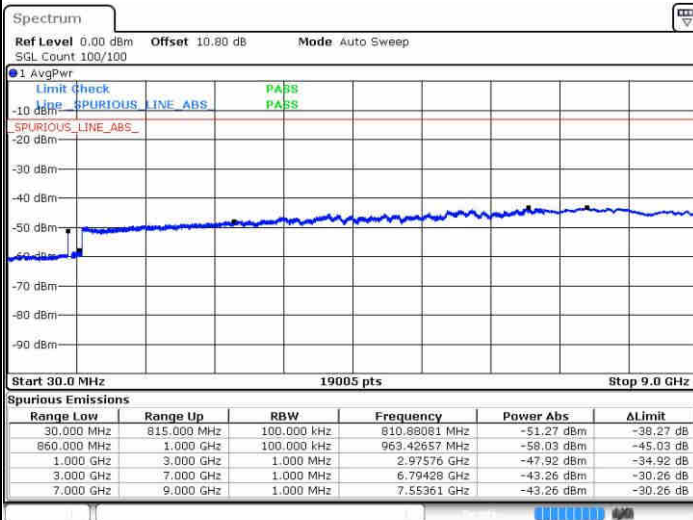


LTE Band 5 / 5MHz+3MHz

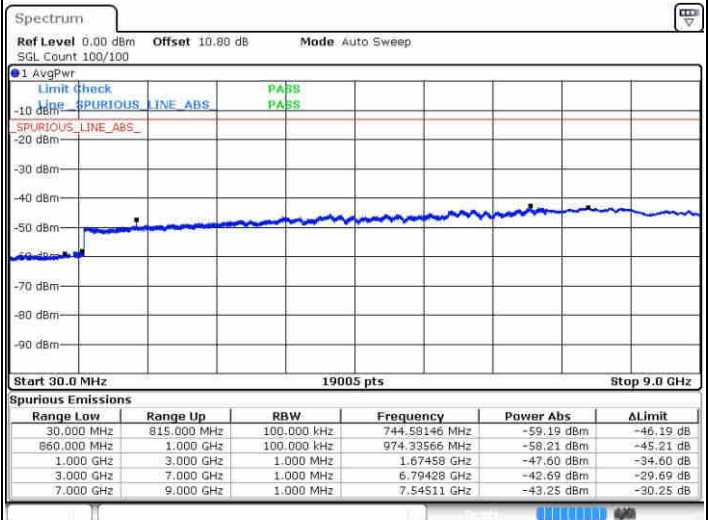
64QAM

Middle Channel / 1RB0 and 1RB14

Middle Channel / 1RB24 and 1RB0



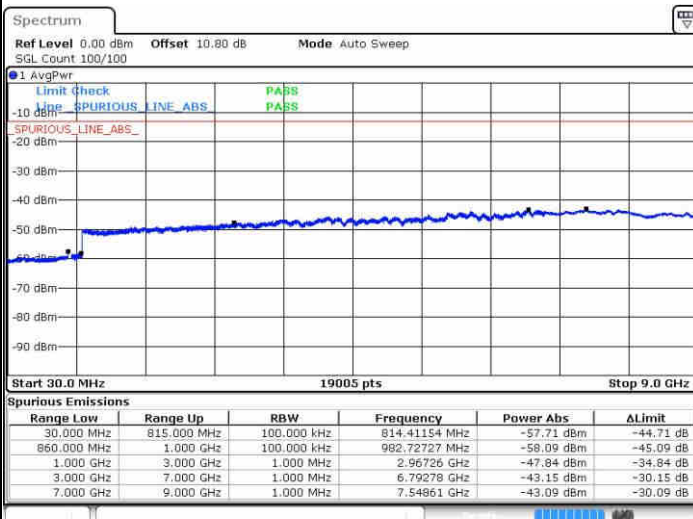
Date: 19 APR 2019 08:31:06



Date: 19 APR 2019 08:37:20

Middle Channel / FullIRB

N/A



Date: 19 APR 2019 08:29:51

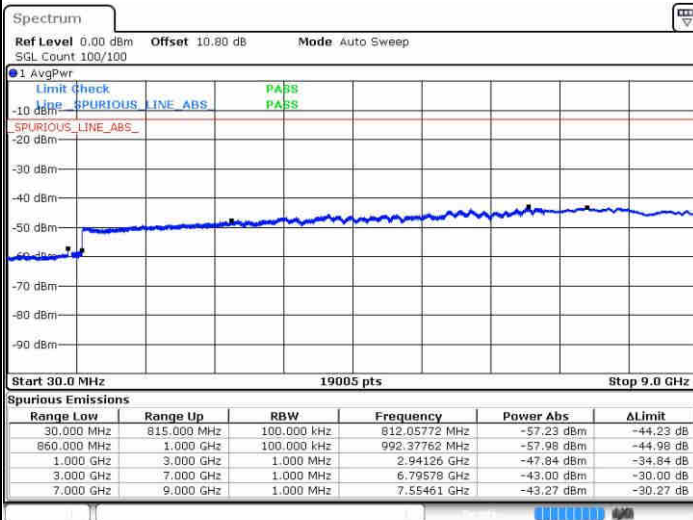


LTE Band 5 / 5MHz+3MHz

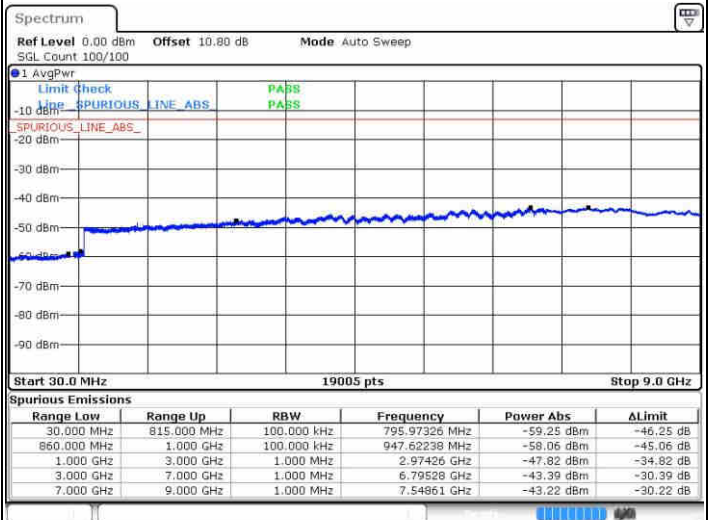
64QAM

Highest Channel / 1RB0 and 1RB14

Highest Channel / 1RB24 and 1RB0



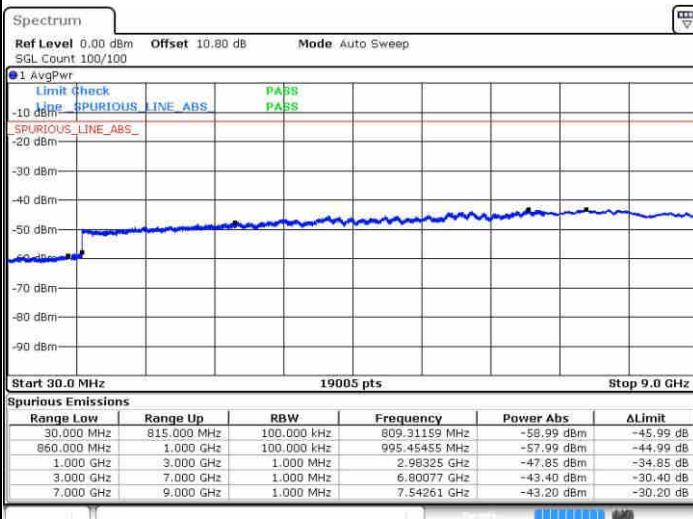
Date: 19 APR 2019 09:08:24



Date: 19 APR 2019 09:07:10

Highest Channel / FullIRB

N/A



Date: 19 APR 2019 09:14:39

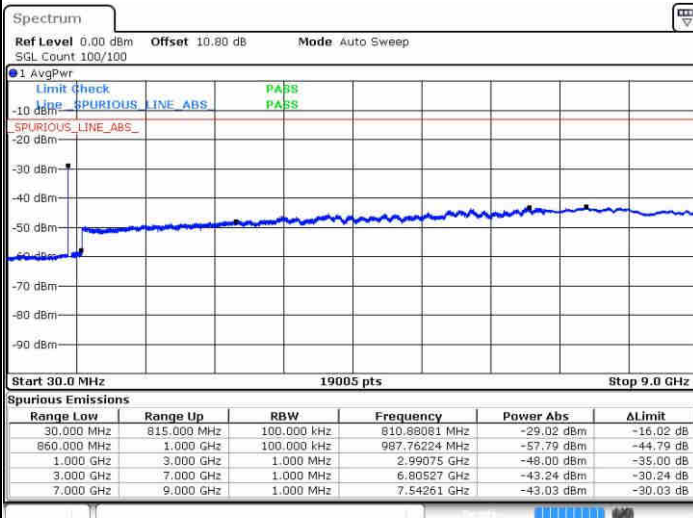


LTE Band 5 / 5MHz+10MHz

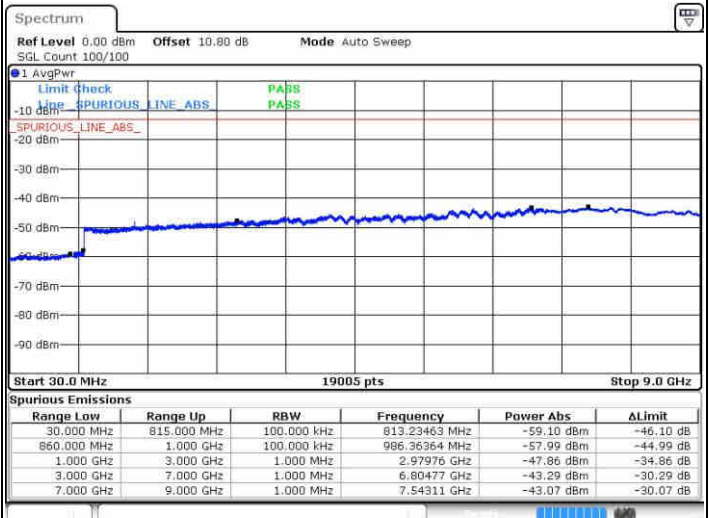
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB24 and 1RB0



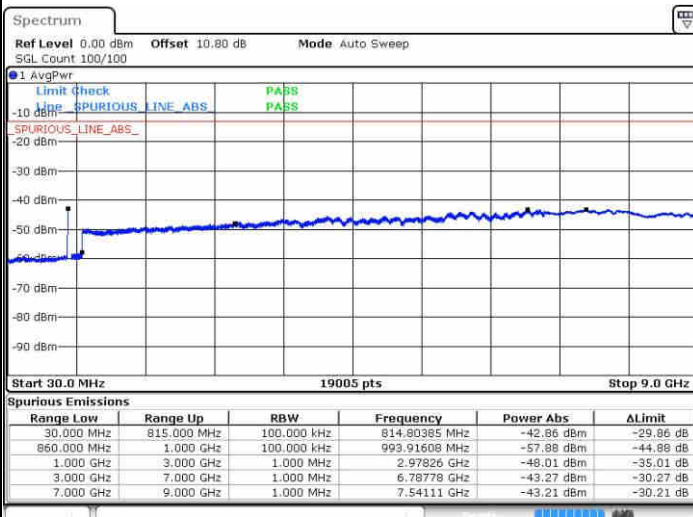
Date: 19 APR 2019 14:52:43



Date: 19 APR 2019 14:48:31

Lowest Channel / FullIRB

N/A



Date: 19 APR 2019 14:53:34

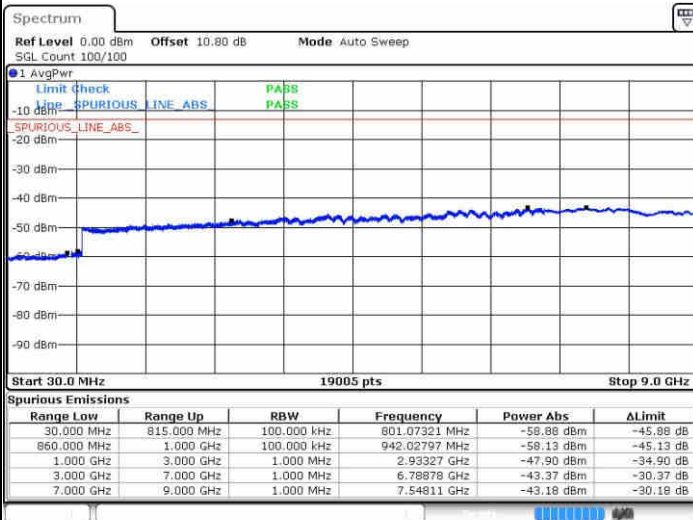


LTE Band 5 / 5MHz+10MHz

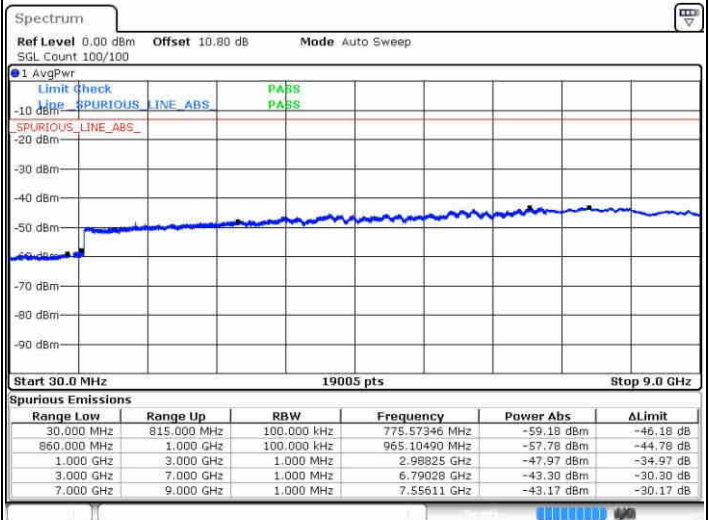
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB24 and 1RB0



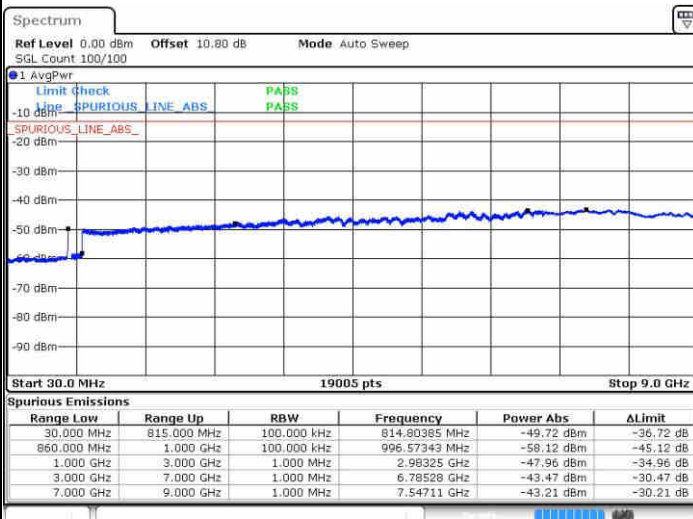
Date: 19 APR 2019 15:38:09



Date: 19 APR 2019 15:42:22

Middle Channel / FullIRB

N/A



Date: 19 APR 2019 15:37:19

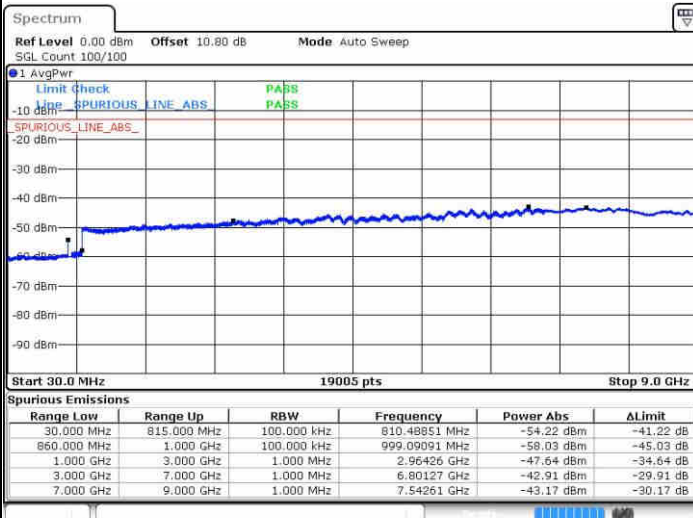


LTE Band 5 / 5MHz+10MHz

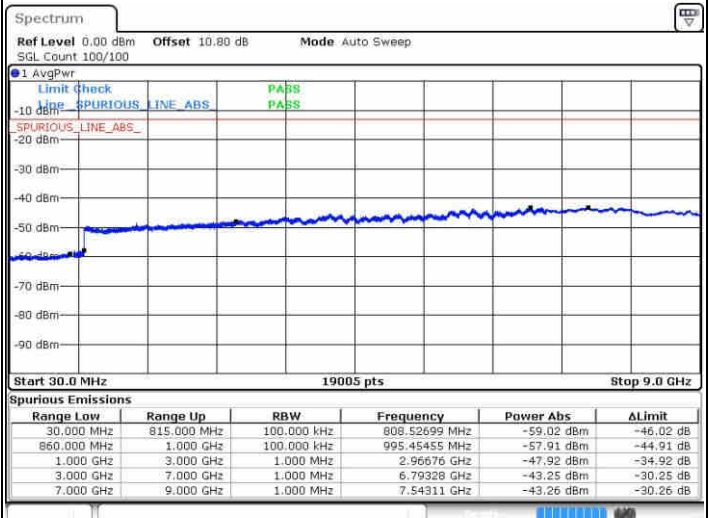
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB24 and 1RB0



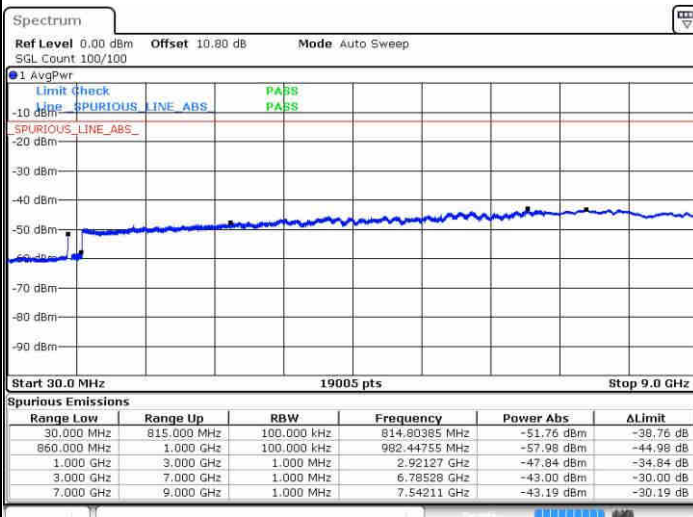
Date: 19 APR 2019 16:13:16



Date: 19 APR 2019 16:12:25

Highest Channel / FullIRB

N/A



Date: 19 APR 2019 16:17:30

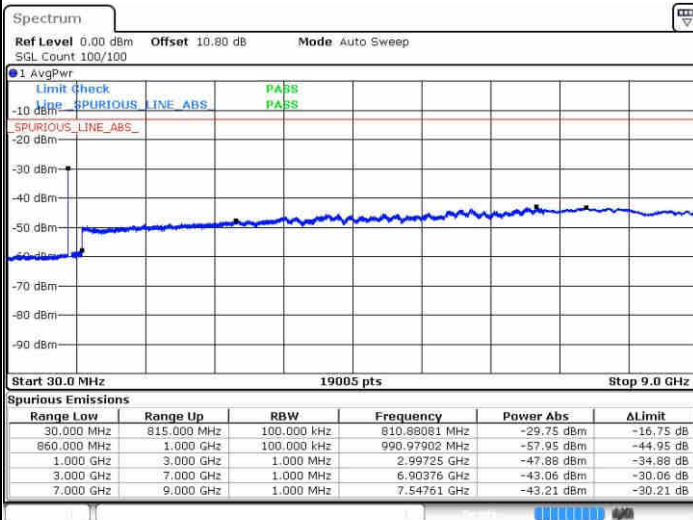


LTE Band 5 / 10MHz+5MHz

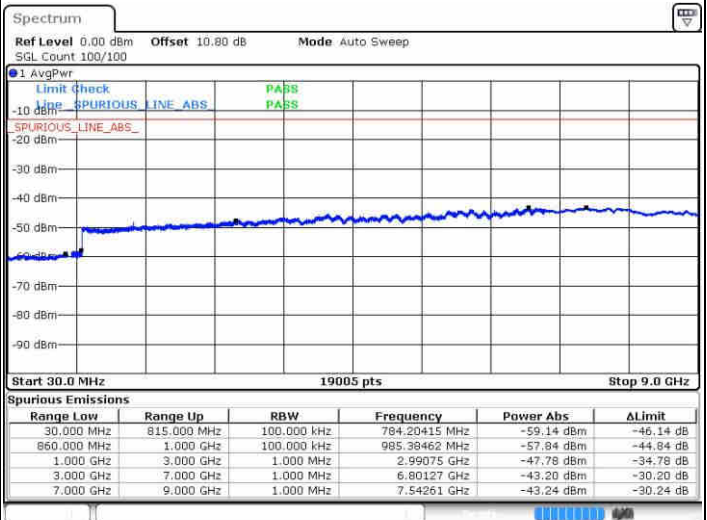
64QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB49 and 1RB0



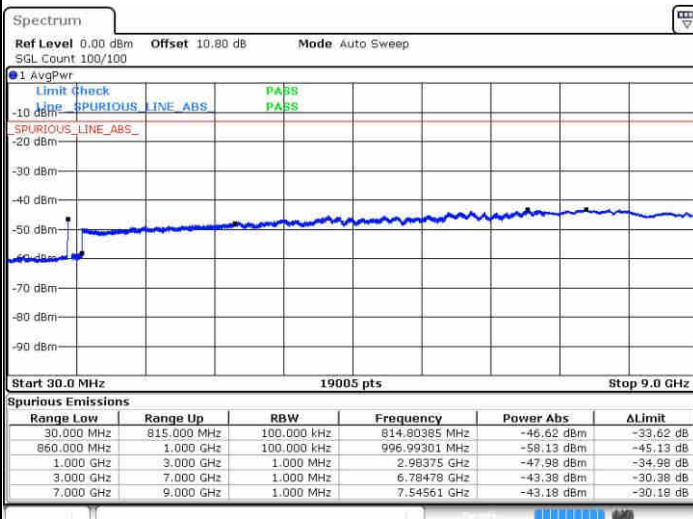
Date: 19 APR 2019 18:12:56



Date: 19 APR 2019 16:45:04

Lowest Channel / FullIRB

N/A



Date: 19 APR 2019 18:13:47

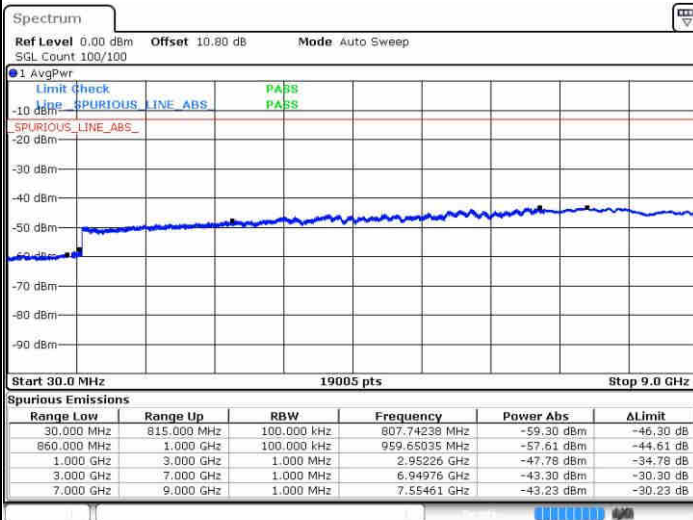


LTE Band 5 / 10MHz+5MHz

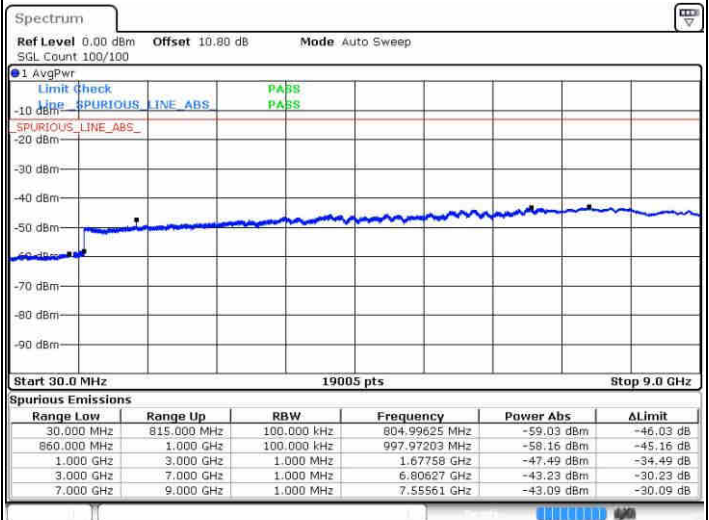
64QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB49 and 1RB0



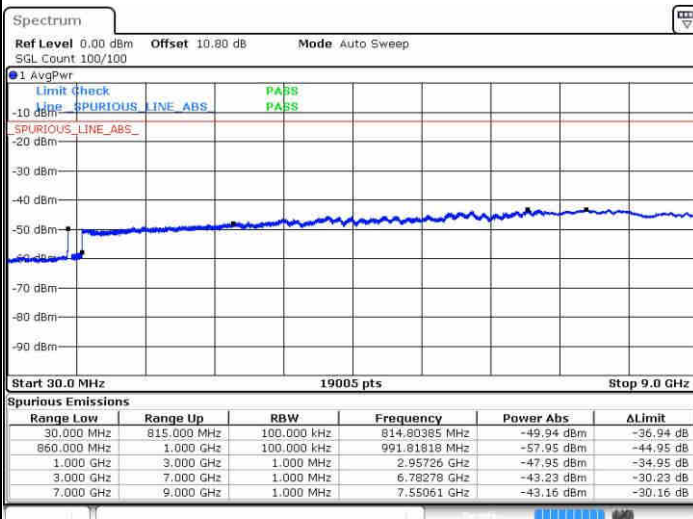
Date: 19 APR 2019 18:23:05



Date: 19 APR 2019 18:27:15

Middle Channel / FullIRB

N/A



Date: 19 APR 2019 18:22:15

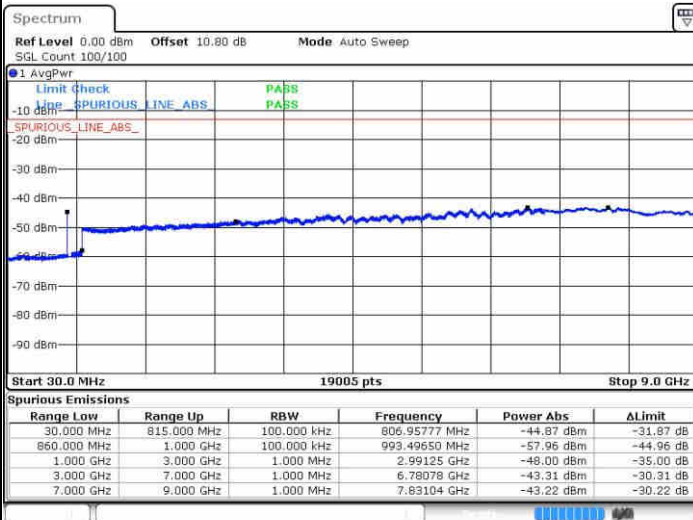


LTE Band 5 / 10MHz+5MHz

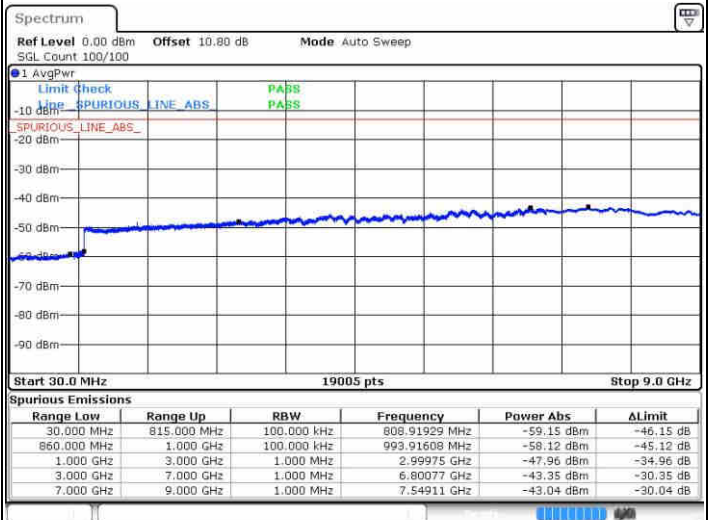
64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB49 and 1RB0



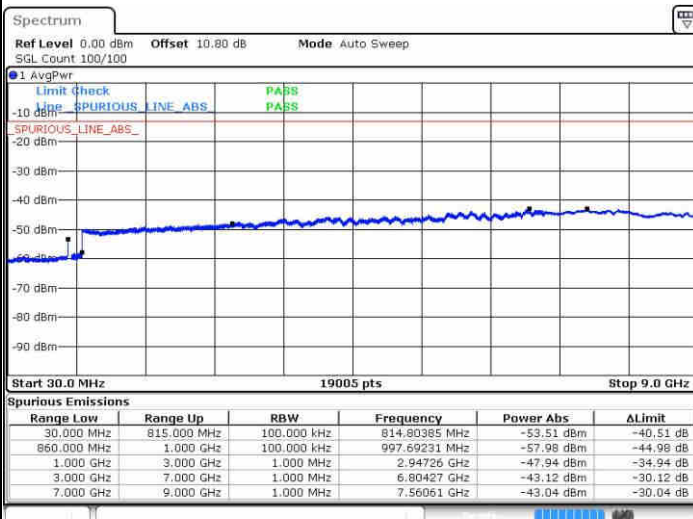
Date: 19 APR 2019 19:00:23



Date: 19 APR 2019 18:59:34

Highest Channel / FullIRB

N/A



Date: 19 APR 2019 19:04:33

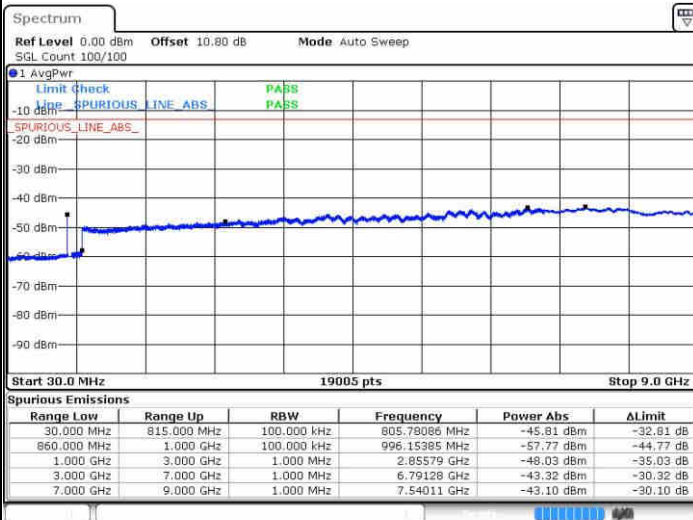


LTE Band 5 / 10MHz+10MHz

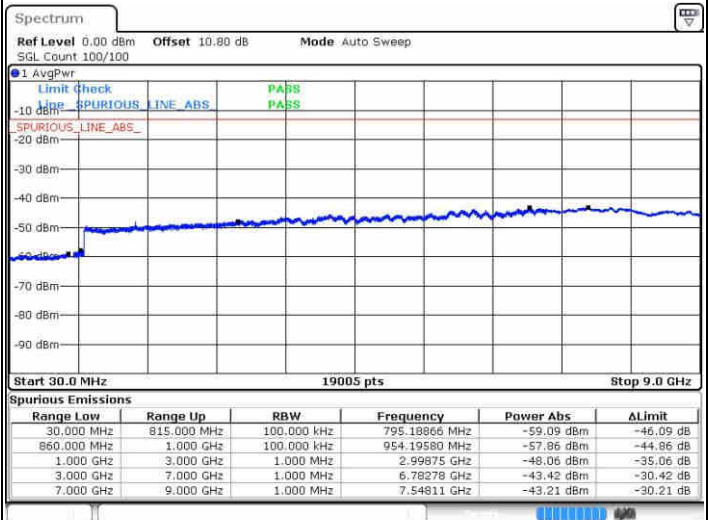
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



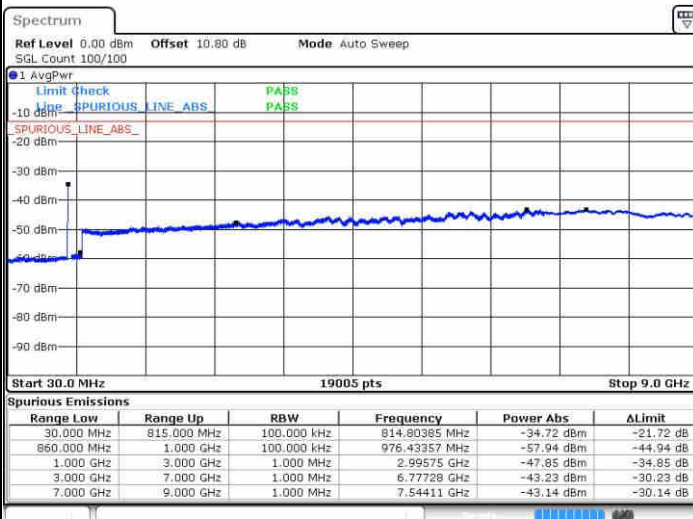
Date: 19 APR 2019 09:59:41



Date: 19 APR 2019 09:53:27

Lowest Channel / FullIRB

N/A



Date: 19 APR 2019 10:00:56

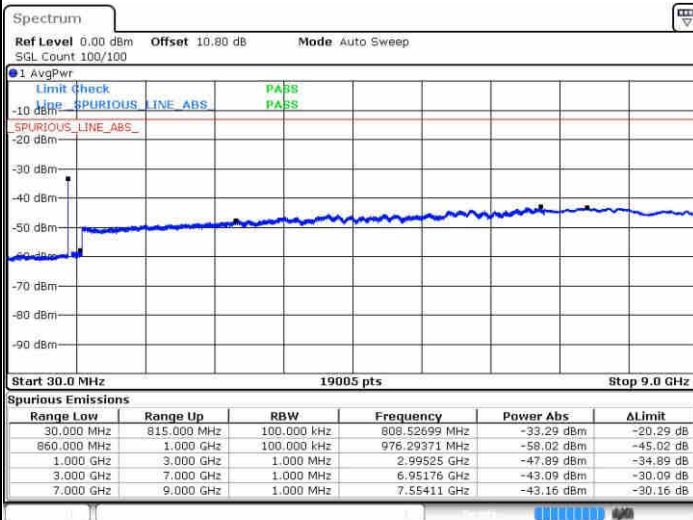


LTE Band 5 / 10MHz+10MHz

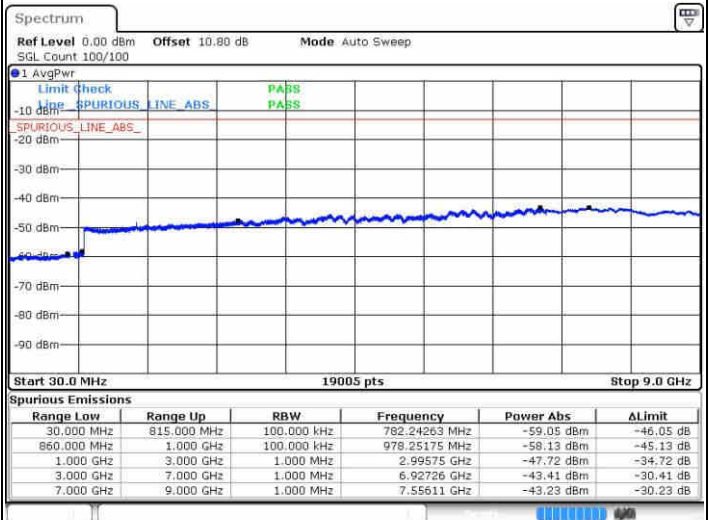
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



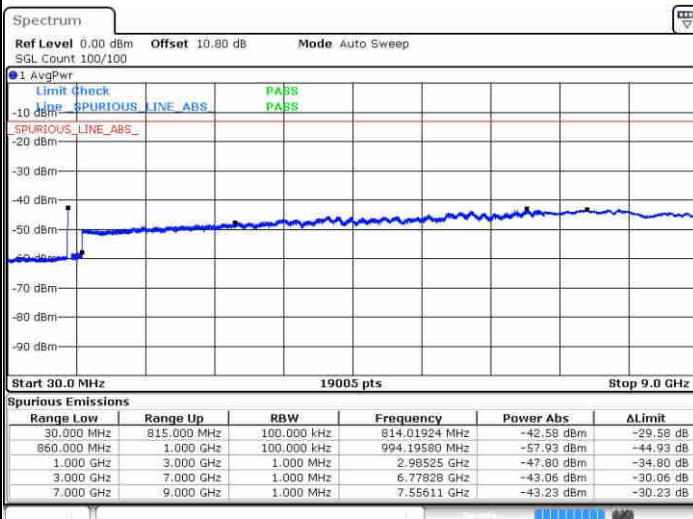
Date: 19 APR 2019 10:13:31



Date: 19 APR 2019 10:19:46

Middle Channel / FullIRB

N/A



Date: 19 APR 2019 10:12:16

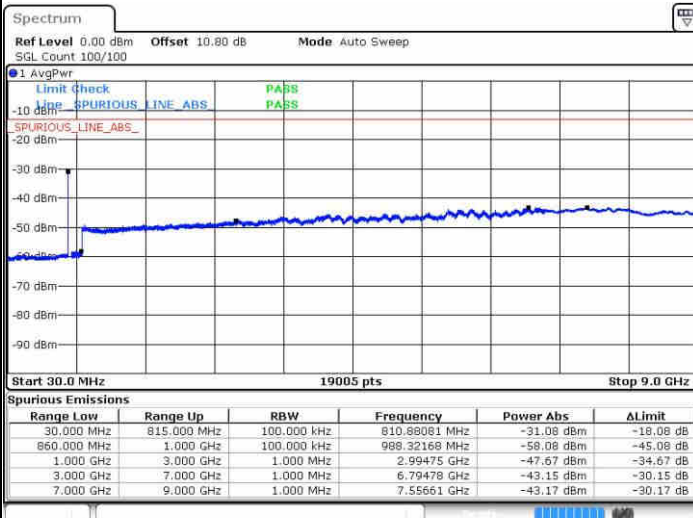


LTE Band 5 / 10MHz+10MHz

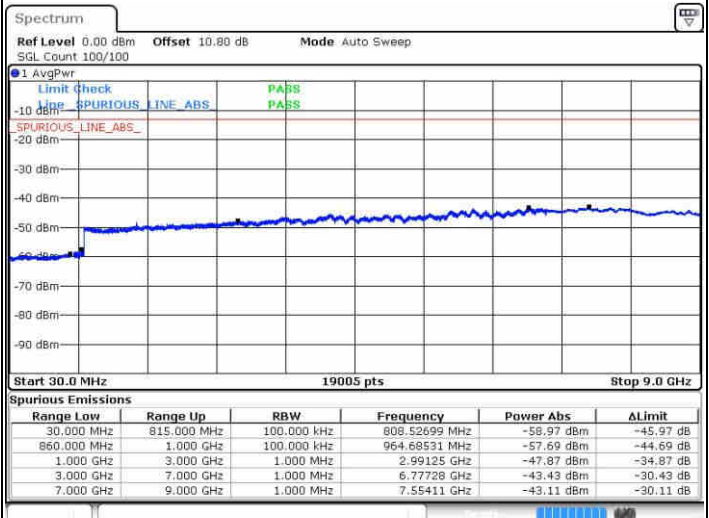
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



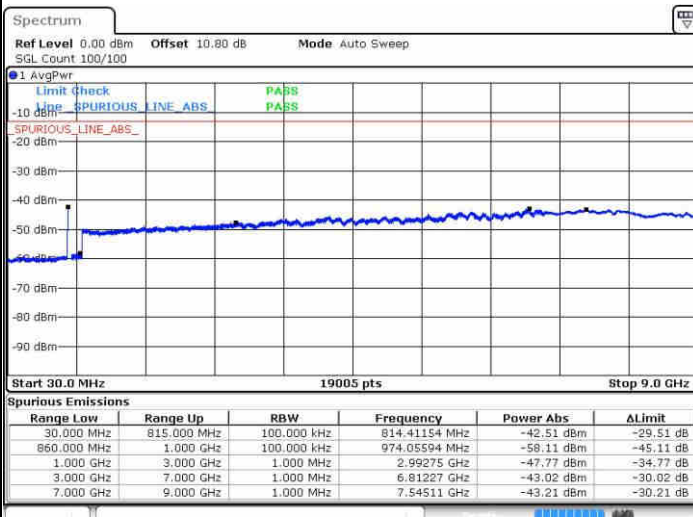
Date: 19 APR 2019 10:50:49



Date: 19 APR 2019 10:49:34

Highest Channel / FullIRB

N/A



Date: 19 APR 2019 10:57:04

LTE Band 7

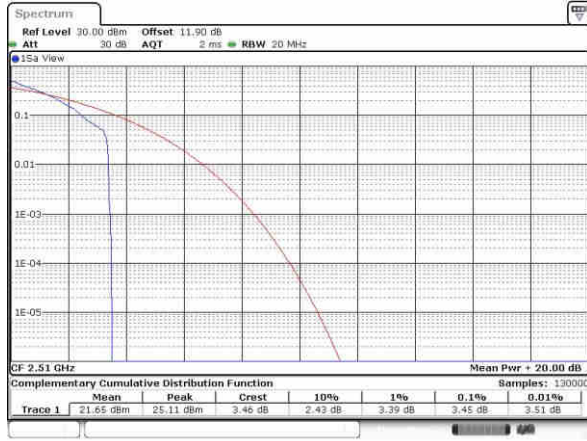
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.45	4.84	4.14	5.77	PASS
Middle CH	3.51	4.81	3.97	5.80	
Highest CH	3.54	4.72	3.83	5.71	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.25	6.17	-	-	PASS
Middle CH	5.25	6.20	-	-	
Highest CH	5.10	6.32	-	-	

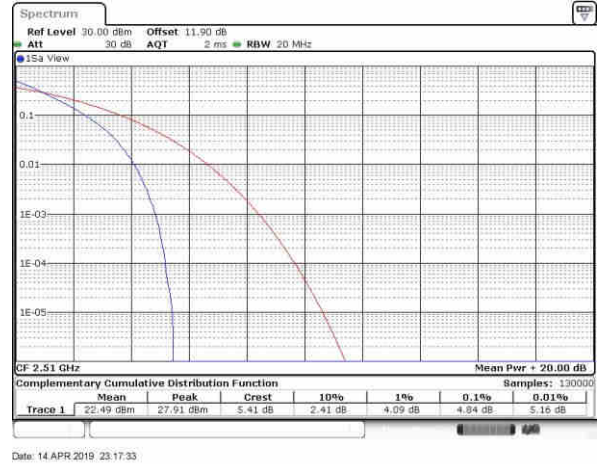


LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



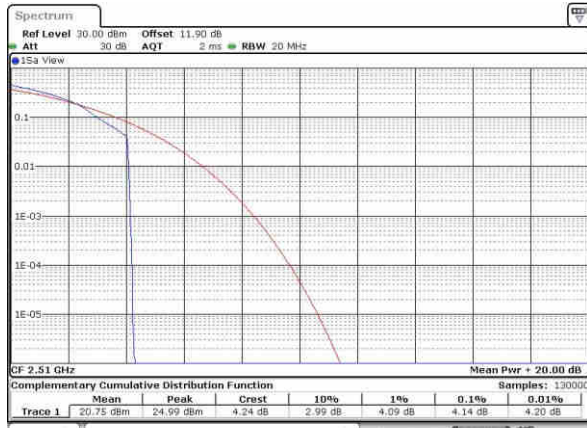
Highest Channel / Full RB





LTE Band 7 / 20MHz / 16QAM

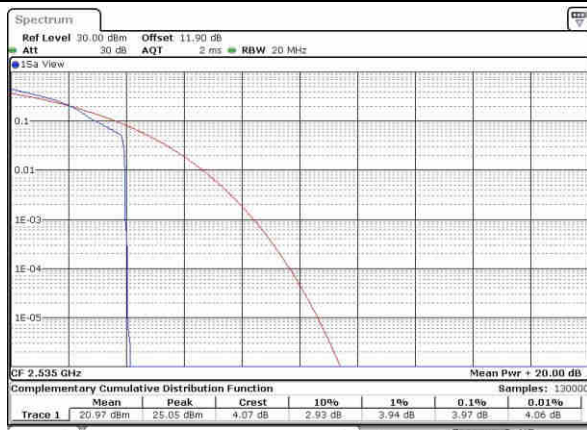
Lowest Channel / 1RB



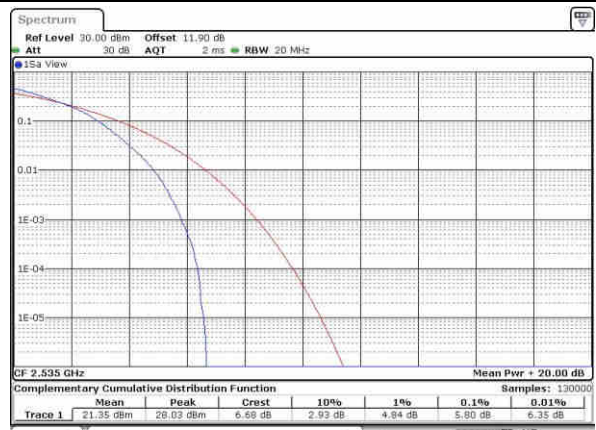
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





LTE Band 7 / 20MHz / 64QAM

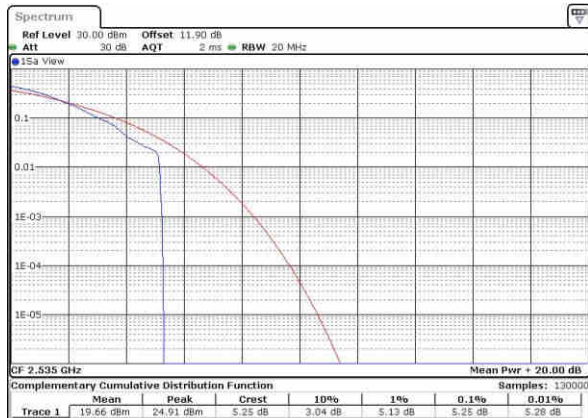
Lowest Channel / 1RB



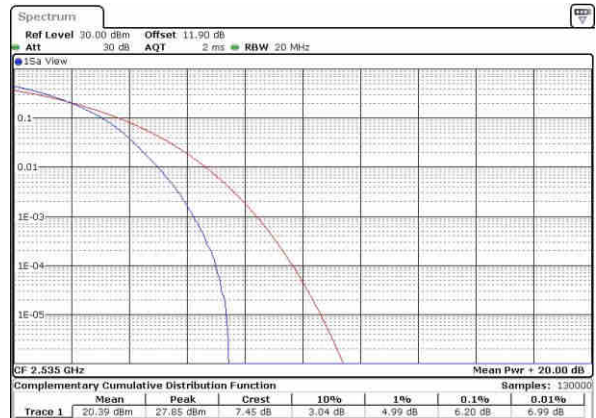
Lowest Channel / Full RB



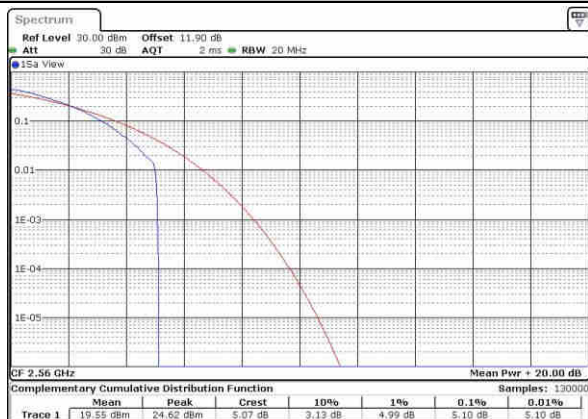
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



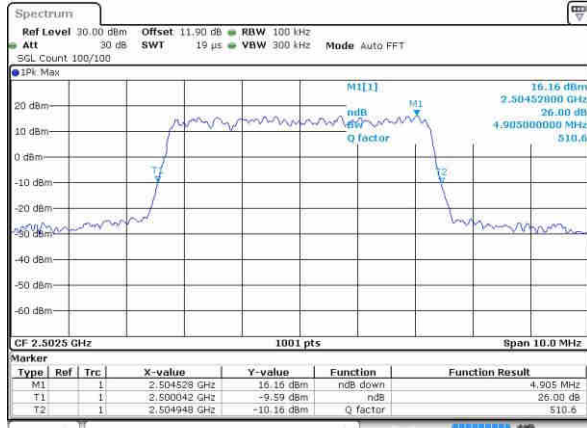
**26dB Bandwidth**

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	-	-	-	-	4.91	4.87	9.67	9.83	14.24	14.63	19.22	19.26
Middle CH	-	-	-	-	4.89	4.97	9.93	9.75	14.57	14.57	19.18	19.22
Highest CH	-	-	-	-	4.93	4.86	9.77	9.77	14.33	14.39	18.94	18.90
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.94	-	9.97	-	14.42	-	18.98	-
Middle CH	-	-	-	-	4.86	-	9.87	-	14.51	-	18.70	-
Highest CH	-	-	-	-	4.91	-	9.83	-	14.21	-	19.10	-



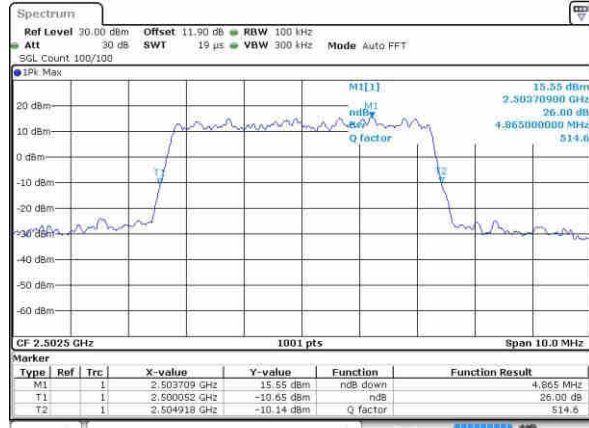
LTE Band 7

Lowest Channel / 5MHz / QPSK



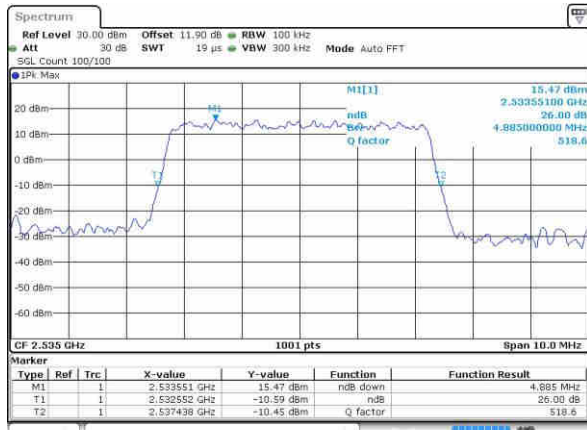
Date: 14 APR 2019 22:01:17

Lowest Channel / 5MHz / 16QAM



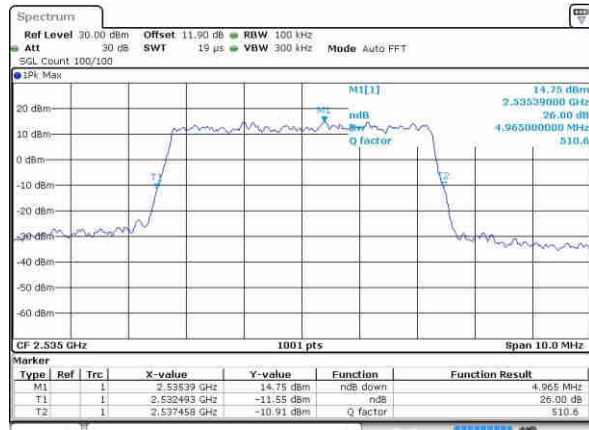
Date: 14 APR 2019 22:01:29

Middle Channel / 5MHz / QPSK



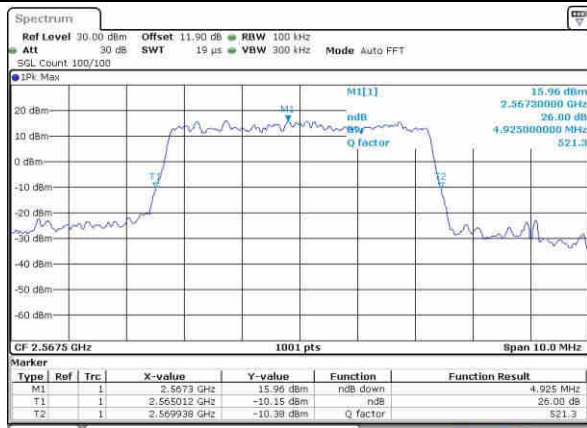
Date: 14 APR 2019 22:05:38

Middle Channel / 5MHz / 16QAM



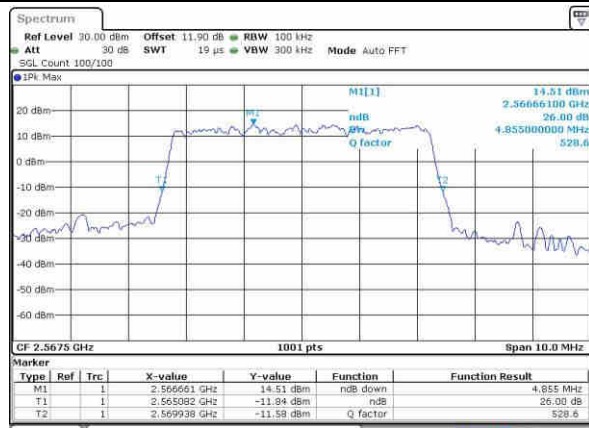
Date: 14 APR 2019 22:05:50

Highest Channel / 5MHz / QPSK



Date: 14 APR 2019 22:07:53

Highest Channel / 5MHz / 16QAM

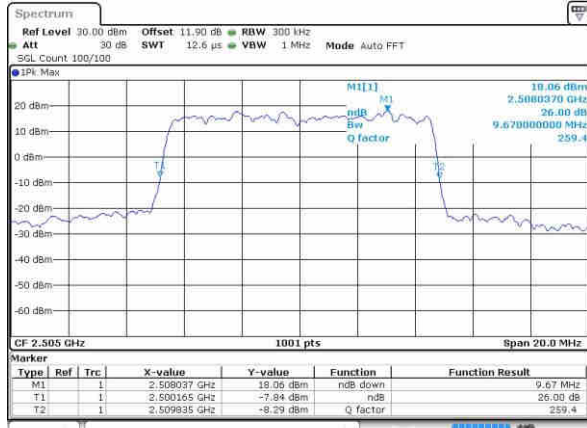


Date: 14 APR 2019 22:08:06

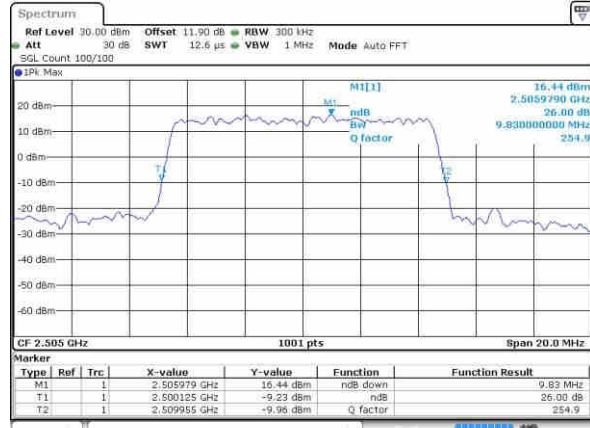


LTE Band 7

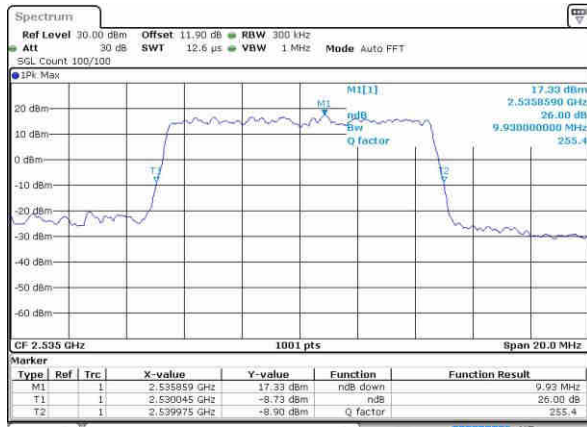
Lowest Channel / 10MHz / QPSK



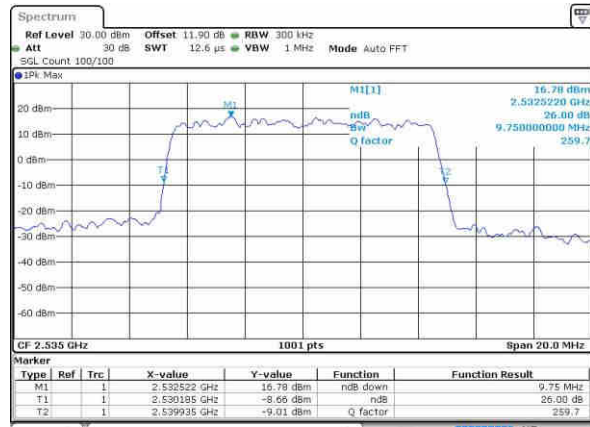
Lowest Channel / 10MHz / 16QAM



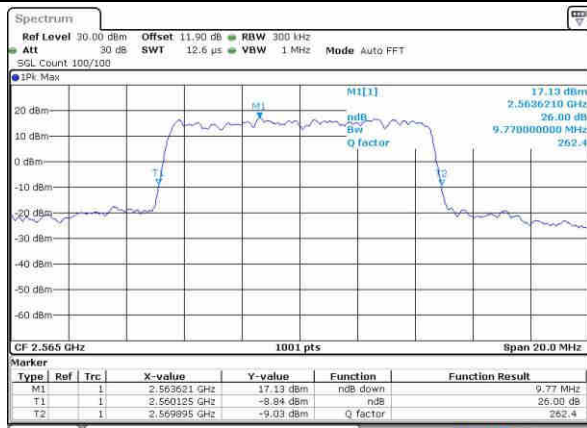
Middle Channel / 10MHz / QPSK



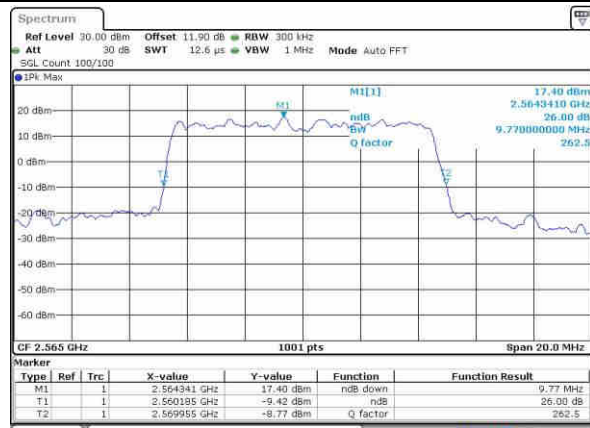
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



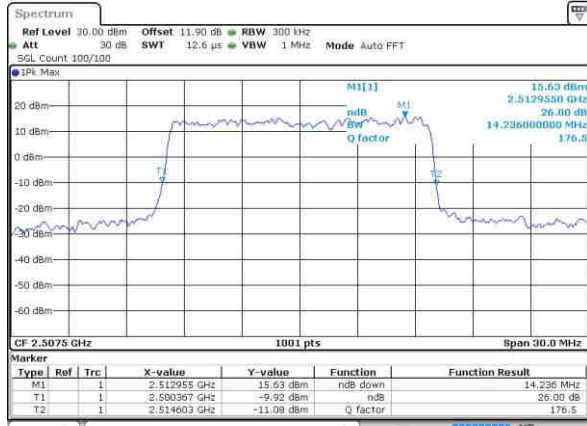
Highest Channel / 10MHz / 16QAM



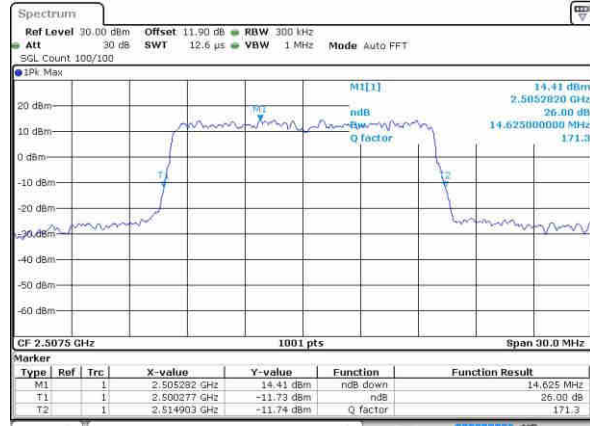


LTE Band 7

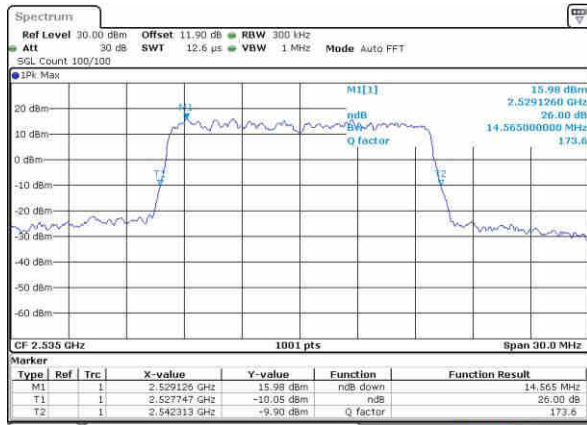
Lowest Channel / 15MHz / QPSK



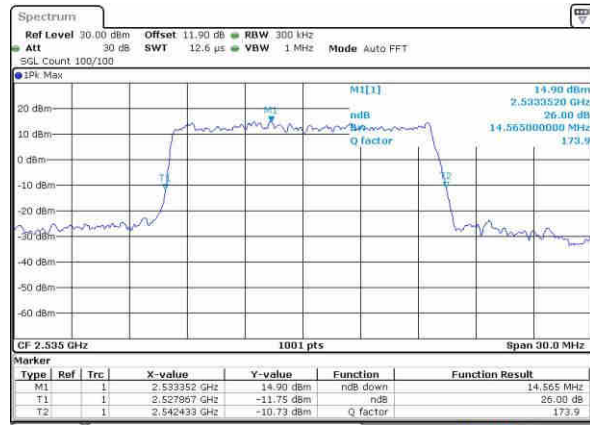
Lowest Channel / 15MHz / 16QAM



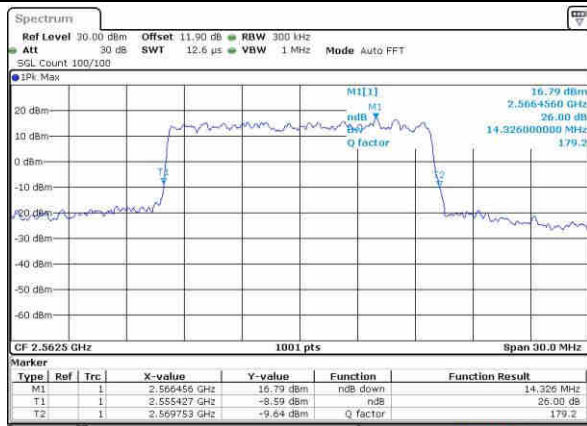
Middle Channel / 15MHz / QPSK



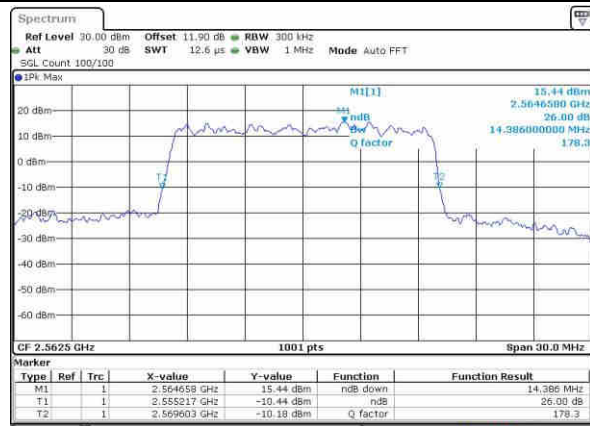
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



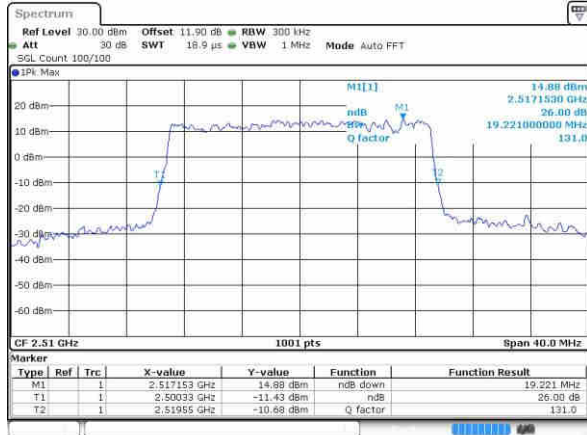
Highest Channel / 15MHz / 16QAM



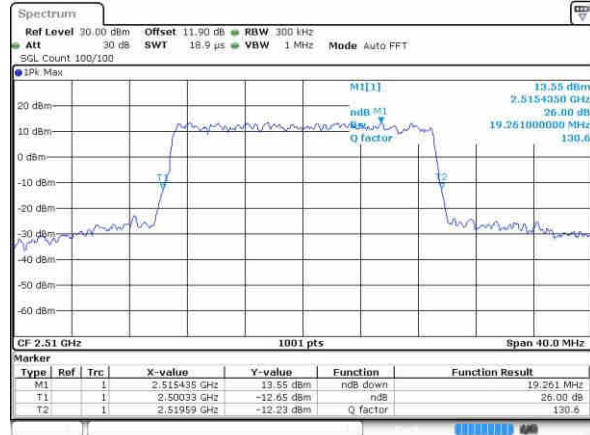


LTE Band 7

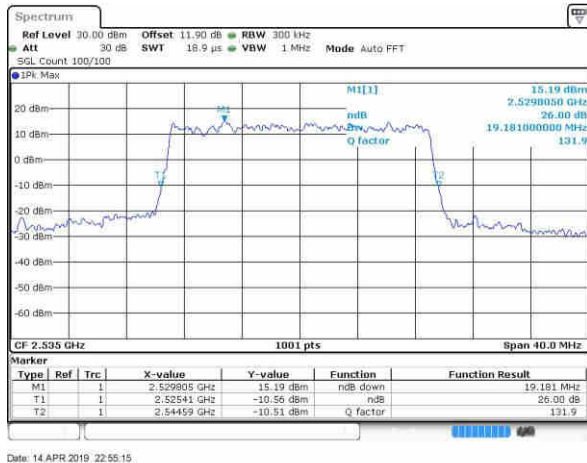
Lowest Channel / 20MHz / QPSK



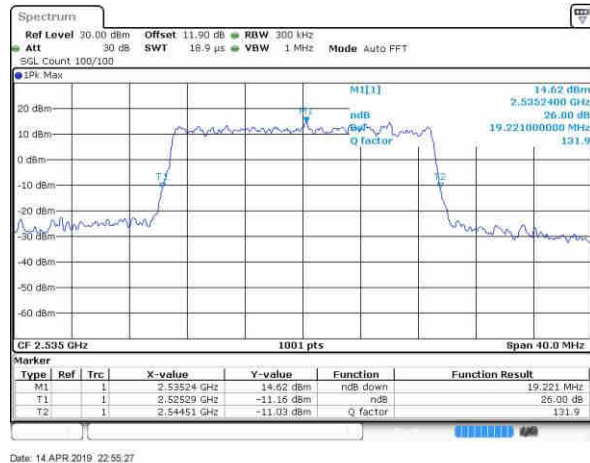
Lowest Channel / 20MHz / 16QAM



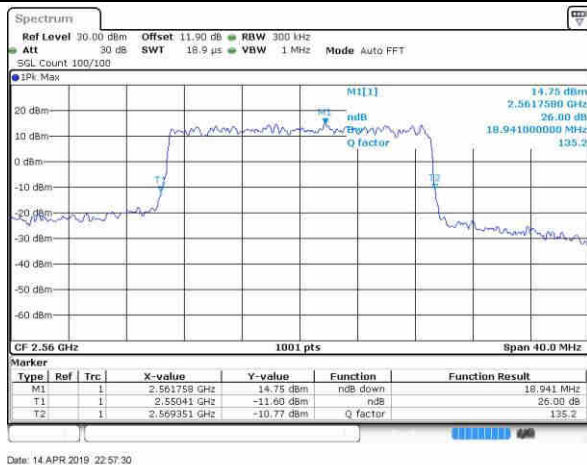
Middle Channel / 20MHz / QPSK



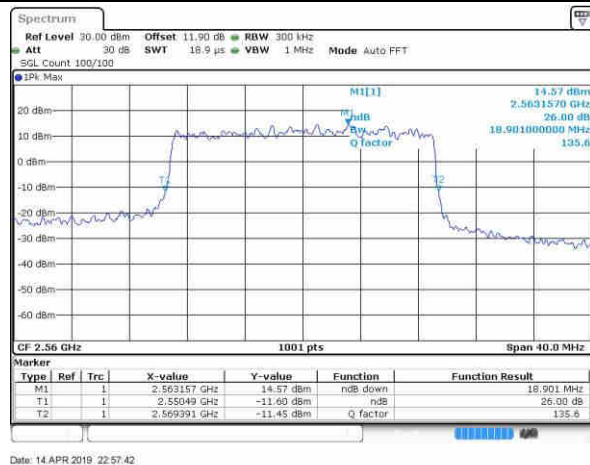
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



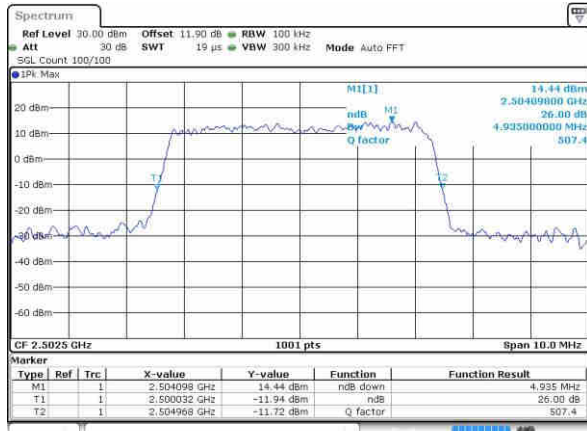
Highest Channel / 20MHz / 16QAM





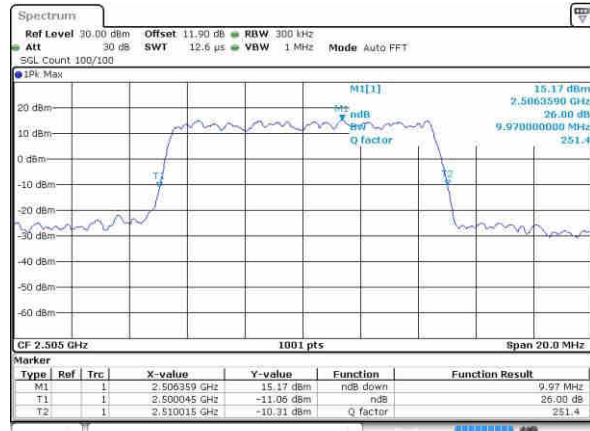
LTE Band 7

Lowest Channel / 5MHz / 64QAM



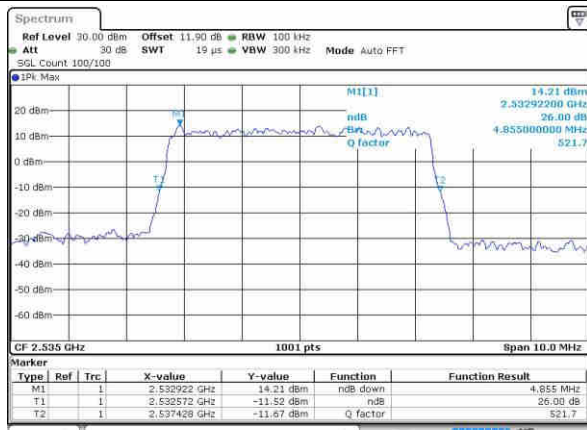
Date: 14 APR 2019 22:12:05

Lowest Channel / 10MHz / 64QAM



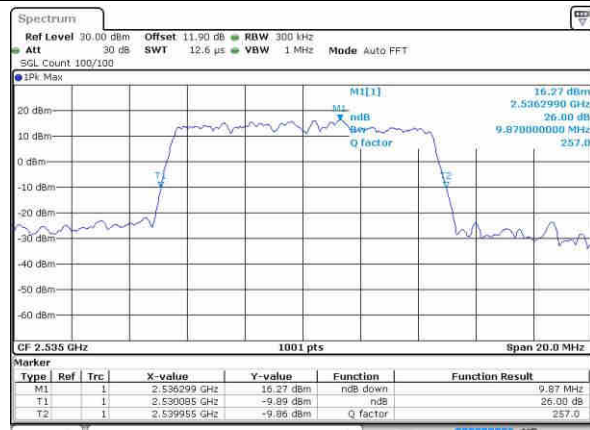
Date: 14 APR 2019 22:28:38

Middle Channel / 5MHz / 64QAM



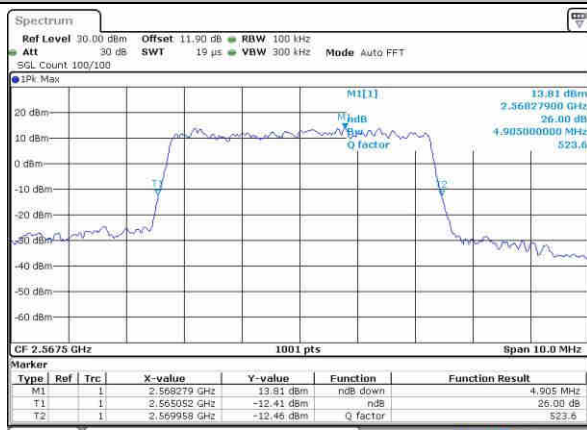
Date: 14 APR 2019 22:14:16

Middle Channel / 10MHz / 64QAM



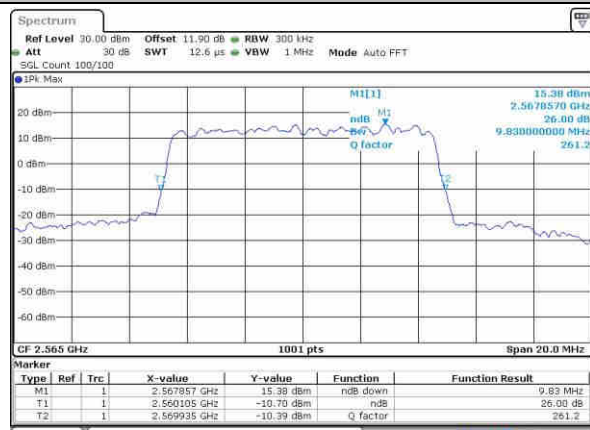
Date: 14 APR 2019 22:30:49

Highest Channel / 5MHz / 64QAM



Date: 14 APR 2019 22:15:24

Highest Channel / 10MHz / 64QAM

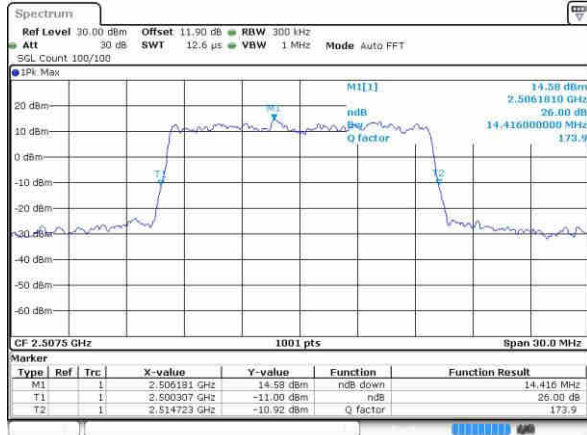


Date: 14 APR 2019 22:31:57



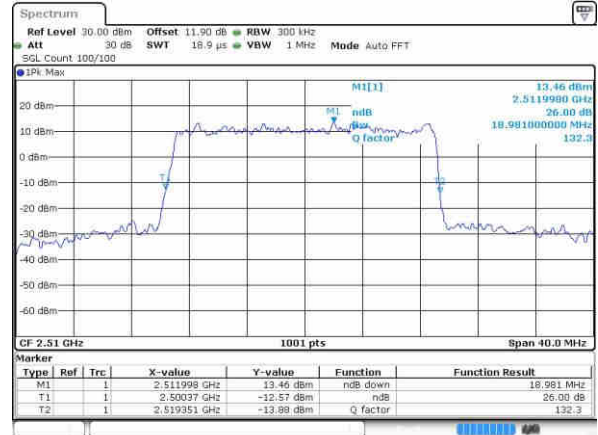
LTE Band 7

Lowest Channel / 15MHz / 64QAM



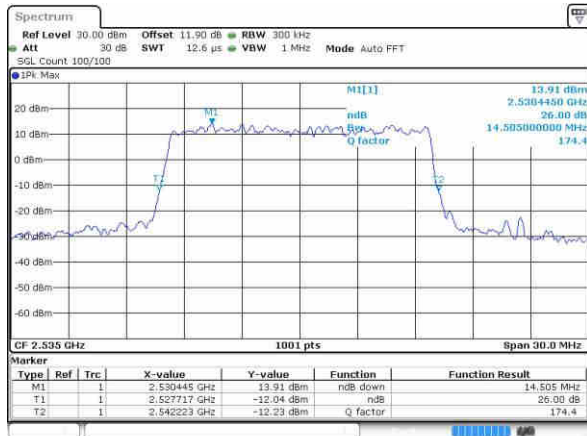
Date: 14 APR 2019 22:45:10

Lowest Channel / 20MHz / 64QAM



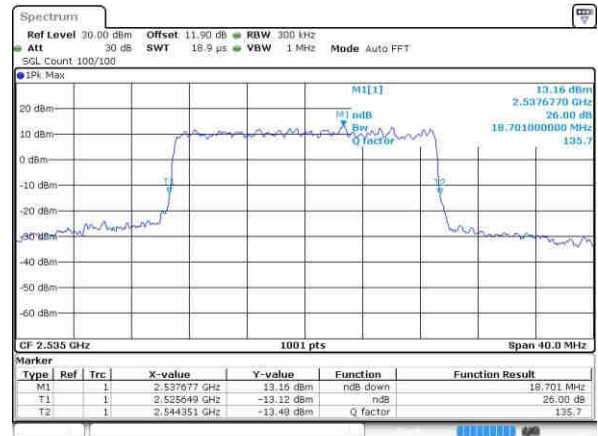
Date: 14 APR 2019 23:01:41

Middle Channel / 15MHz / 64QAM



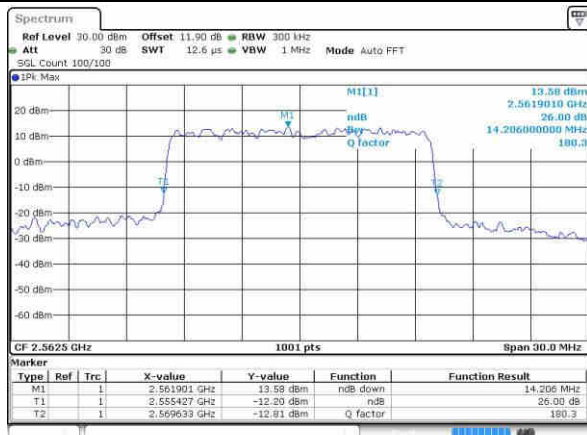
Date: 14 APR 2019 22:47:21

Middle Channel / 20MHz / 64QAM



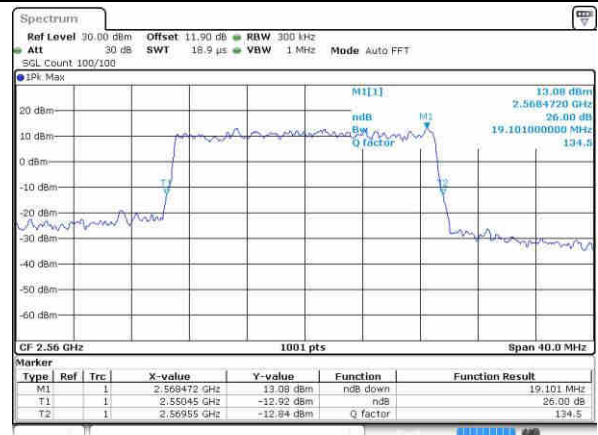
Date: 14 APR 2019 23:03:52

Highest Channel / 15MHz / 64QAM



Date: 14 APR 2019 22:48:28

Highest Channel / 20MHz / 64QAM



Date: 14 APR 2019 23:04:59

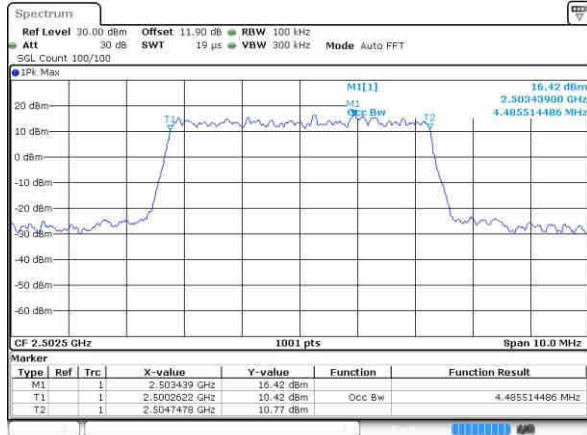
**Occupied Bandwidth**

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	-	-	-	-	4.49	4.49	9.01	8.97	13.43	13.4	17.9	17.86
Middle CH	-	-	-	-	4.49	4.48	9.05	8.93	13.34	13.46	17.94	17.94
Highest CH	-	-	-	-	4.5	4.48	9.05	9.01	13.43	13.49	17.86	17.86
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	9.07	-	13.37	-	17.86	-
Middle CH	-	-	-	-	4.49	-	9.03	-	13.46	-	17.90	-
Highest CH	-	-	-	-	4.50	-	9.05	-	13.34	-	17.94	-

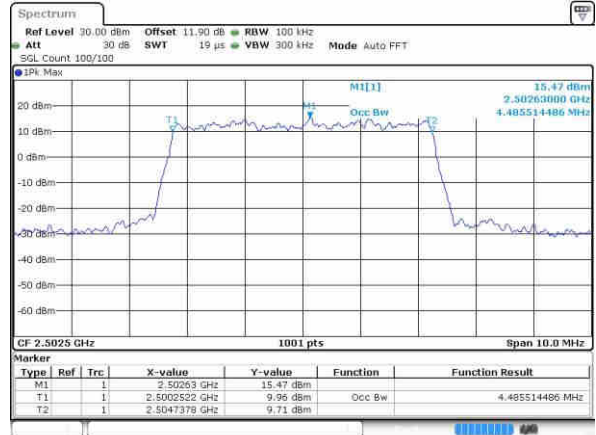


LTE Band 7

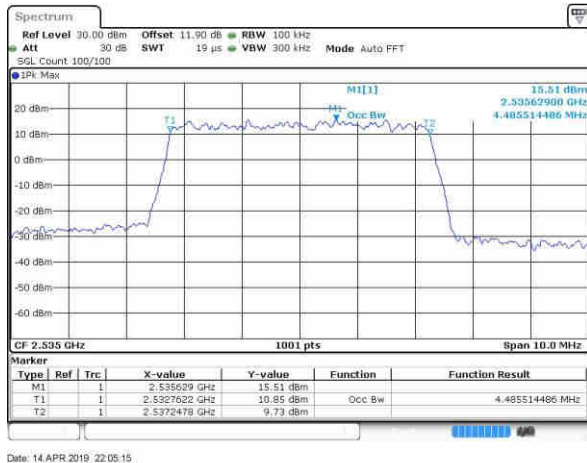
Lowest Channel / 5MHz / QPSK



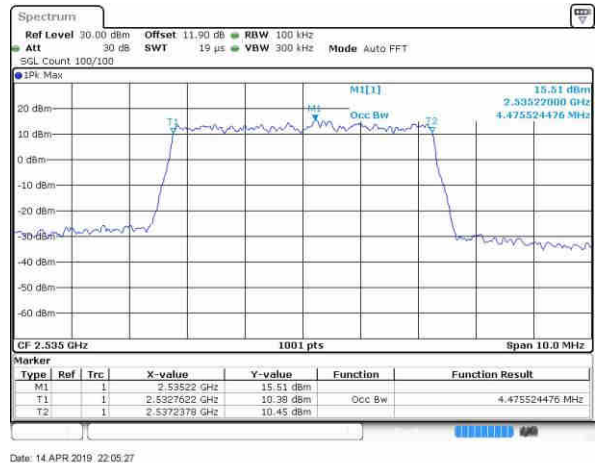
Lowest Channel / 5MHz / 16QAM



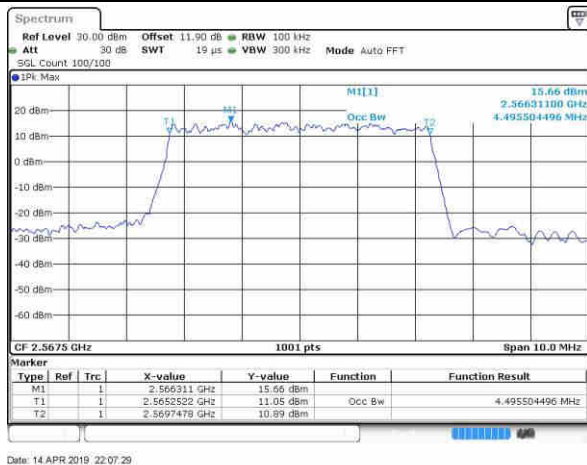
Middle Channel / 5MHz / QPSK



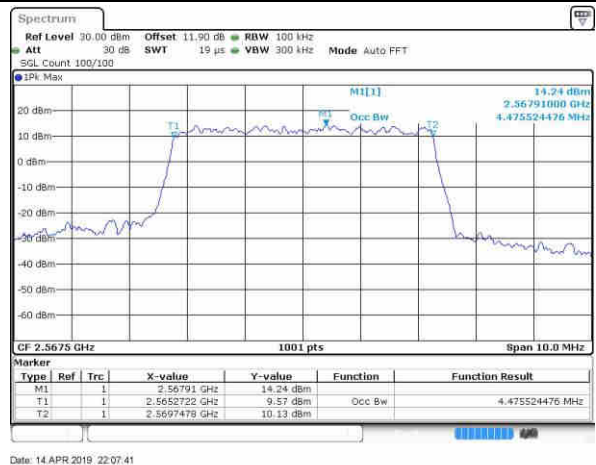
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



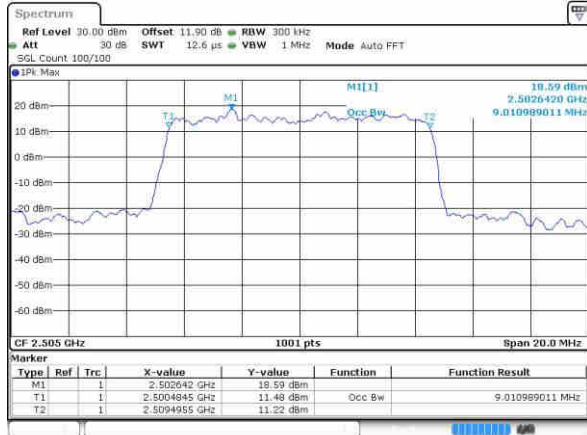
Highest Channel / 5MHz / 16QAM





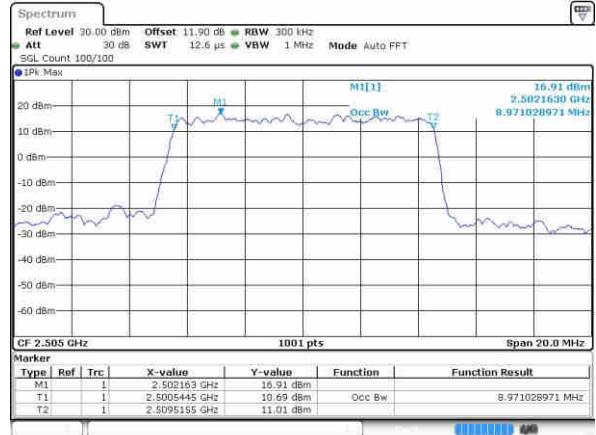
LTE Band 7

Lowest Channel / 10MHz / QPSK



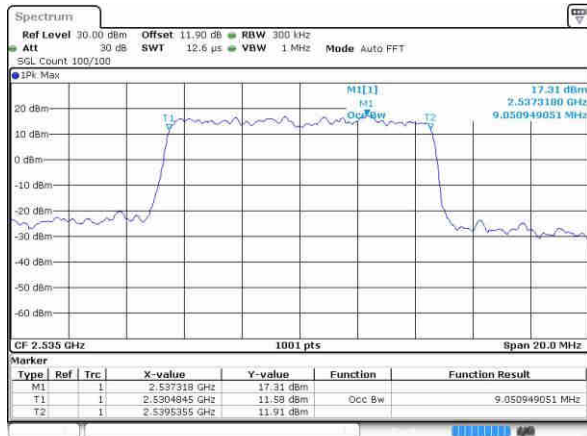
Date: 14 APR 2019 22:17:24

Lowest Channel / 10MHz / 16QAM



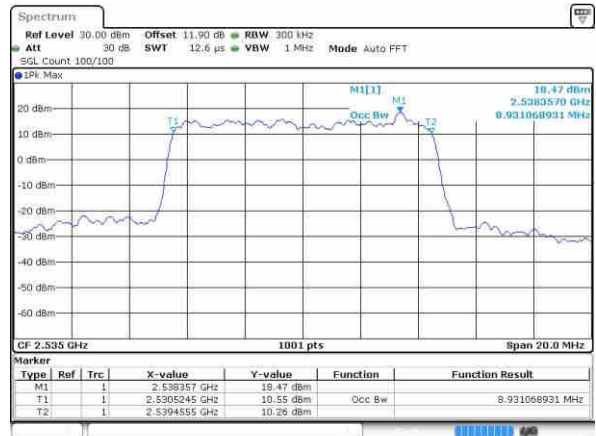
Date: 14 APR 2019 22:17:36

Middle Channel / 10MHz / QPSK



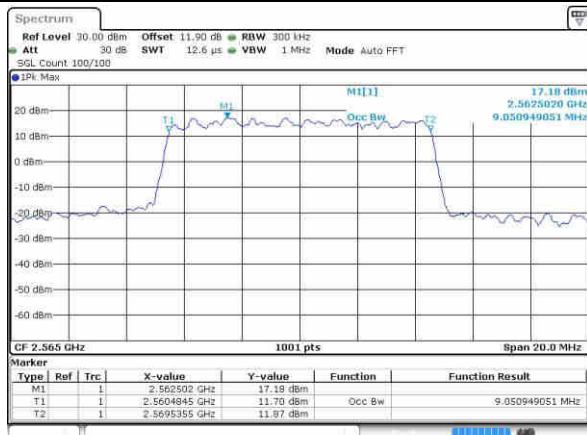
Date: 14 APR 2019 22:21:48

Middle Channel / 10MHz / 16QAM



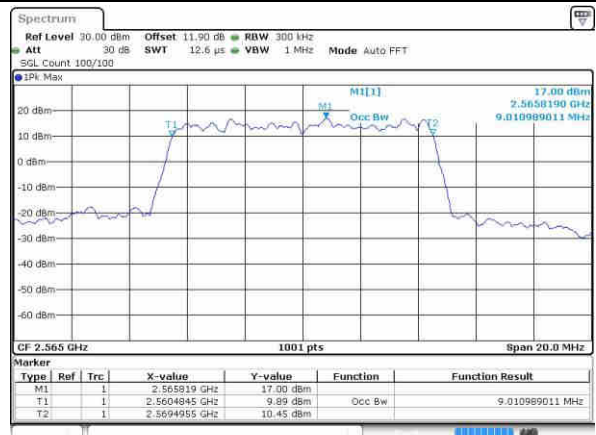
Date: 14 APR 2019 22:21:59

Highest Channel / 10MHz / QPSK



Date: 14 APR 2019 22:24:01

Highest Channel / 10MHz / 16QAM

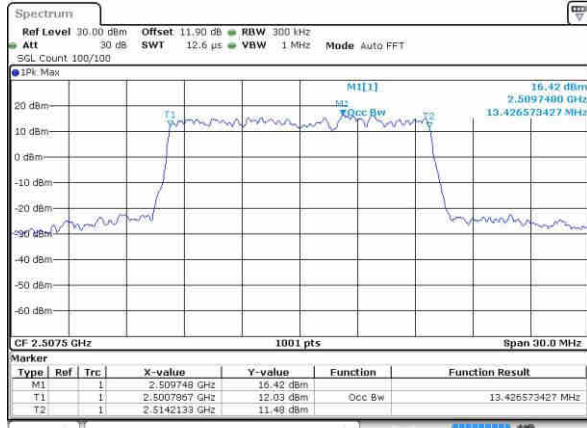


Date: 14 APR 2019 22:24:14



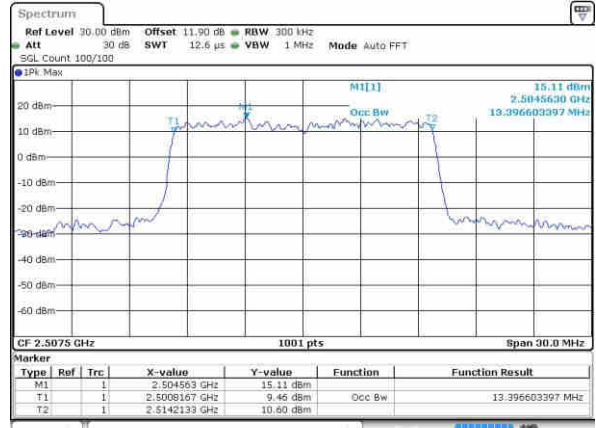
LTE Band 7

Lowest Channel / 15MHz / QPSK



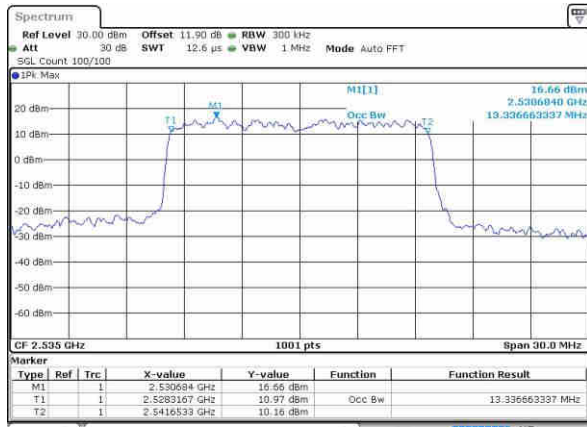
Date: 14 APR 2019 22:33:57

Lowest Channel / 15MHz / 16QAM



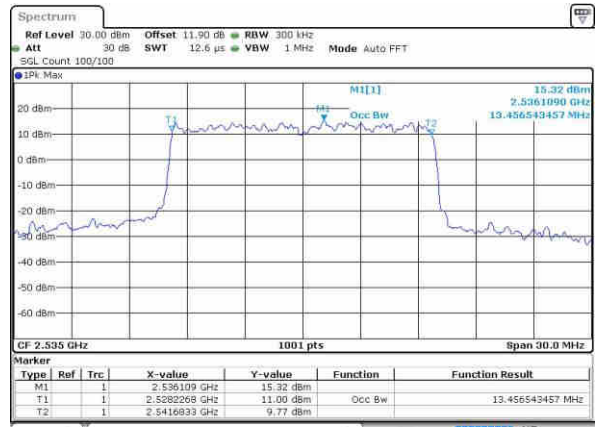
Date: 14 APR 2019 22:34:09

Middle Channel / 15MHz / QPSK



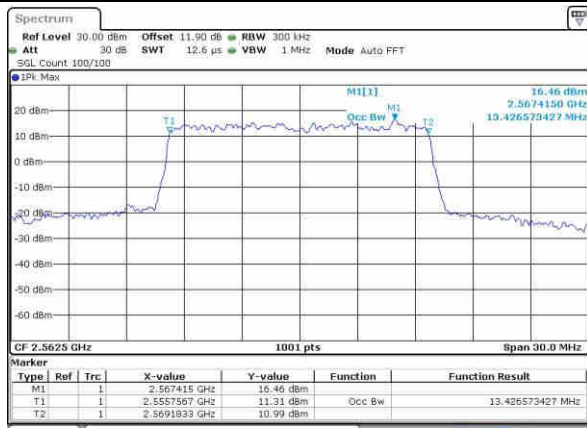
Date: 14 APR 2019 22:38:20

Middle Channel / 15MHz / 16QAM



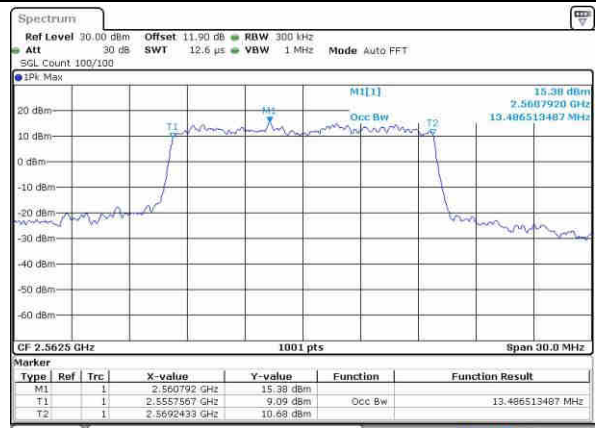
Date: 14 APR 2019 22:38:32

Highest Channel / 15MHz / QPSK



Date: 14 APR 2019 22:40:34

Highest Channel / 15MHz / 16QAM

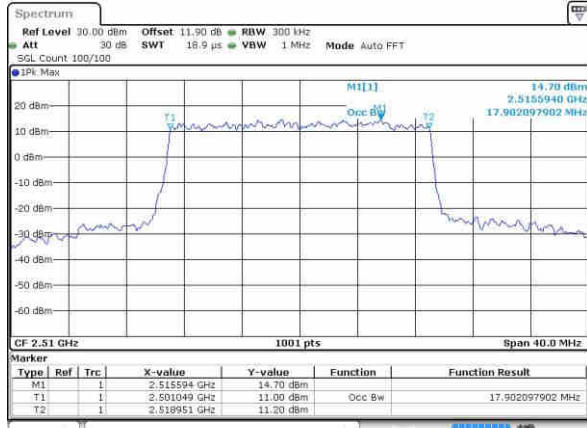


Date: 14 APR 2019 22:40:46



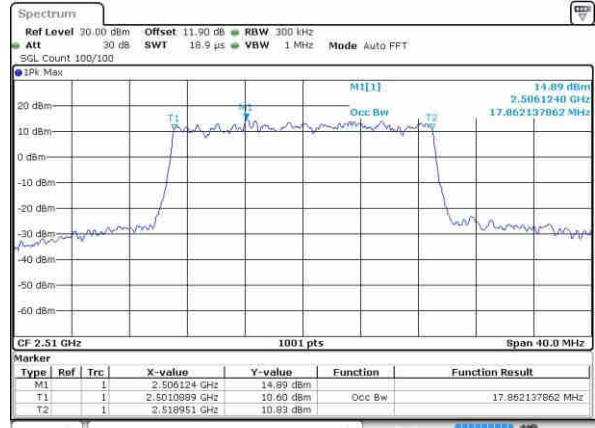
LTE Band 7

Lowest Channel / 20MHz / QPSK



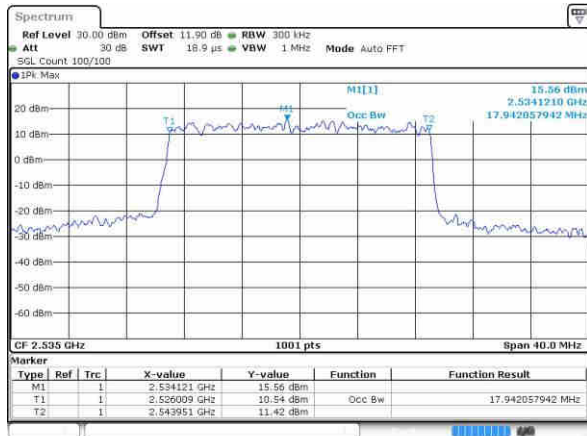
Date: 14 APR 2019 22:50:28

Lowest Channel / 20MHz / 16QAM



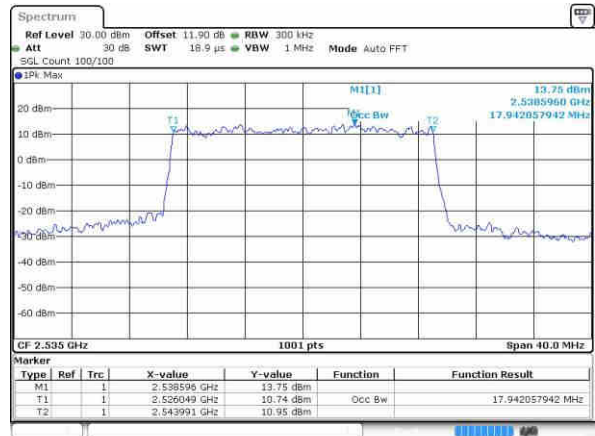
Date: 14 APR 2019 22:50:41

Middle Channel / 20MHz / QPSK



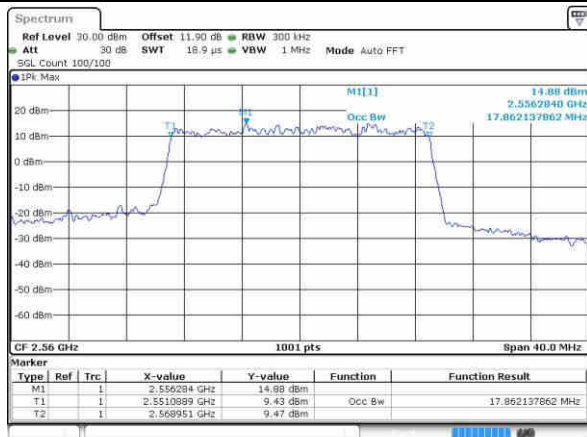
Date: 14 APR 2019 22:54:52

Middle Channel / 20MHz / 16QAM



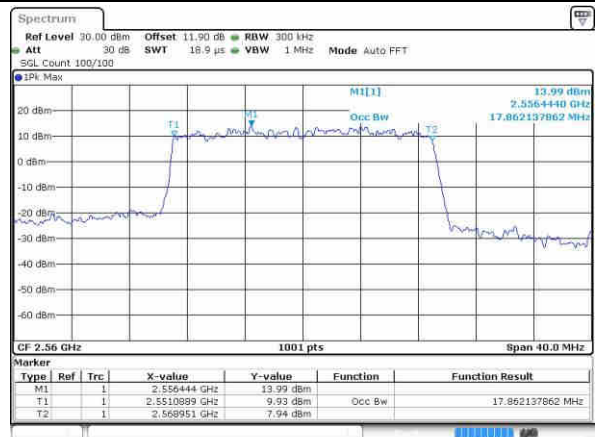
Date: 14 APR 2019 22:55:03

Highest Channel / 20MHz / QPSK



Date: 14 APR 2019 22:57:05

Highest Channel / 20MHz / 16QAM

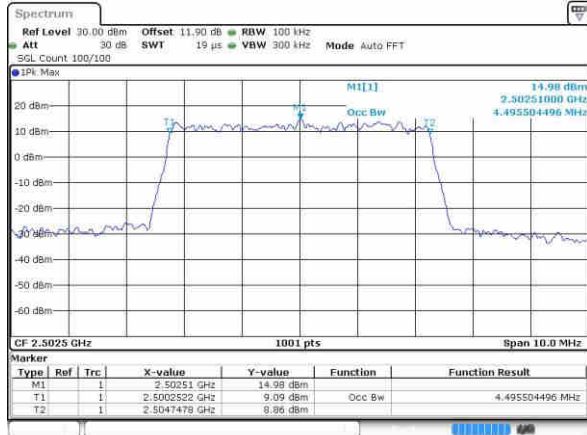


Date: 14 APR 2019 22:57:15

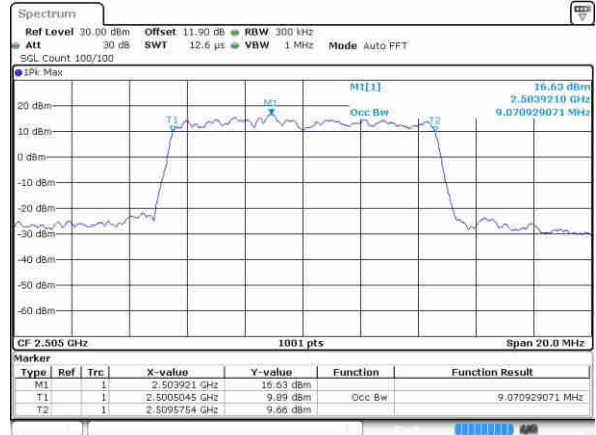


LTE Band 7

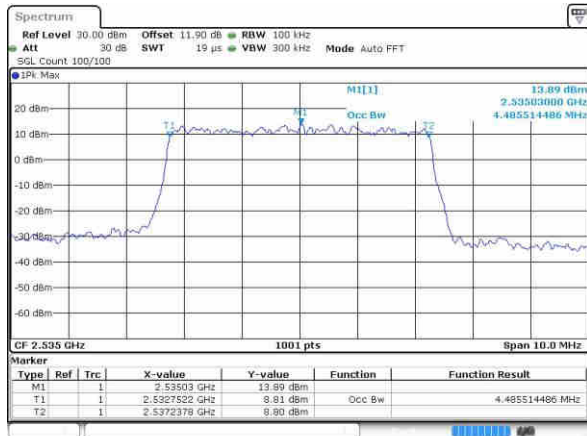
Lowest Channel / 5MHz / 64QAM



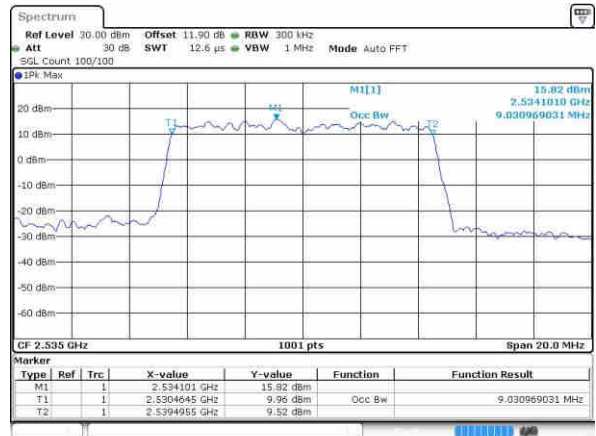
Lowest Channel / 10MHz / 64QAM



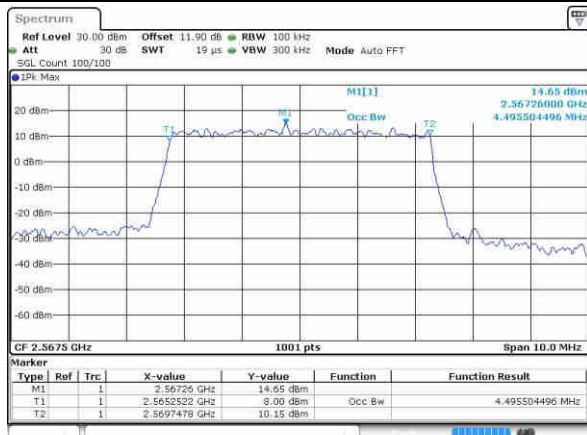
Middle Channel / 5MHz / 64QAM



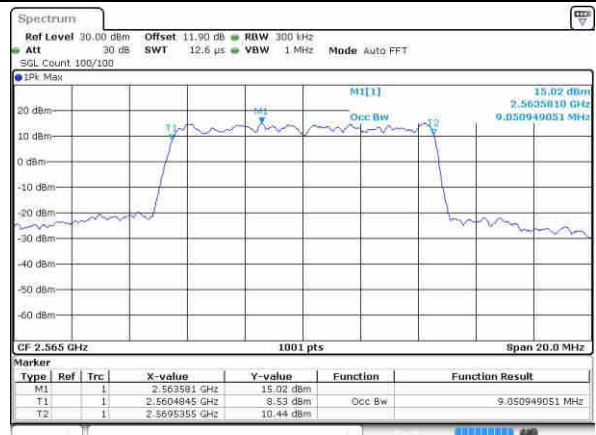
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



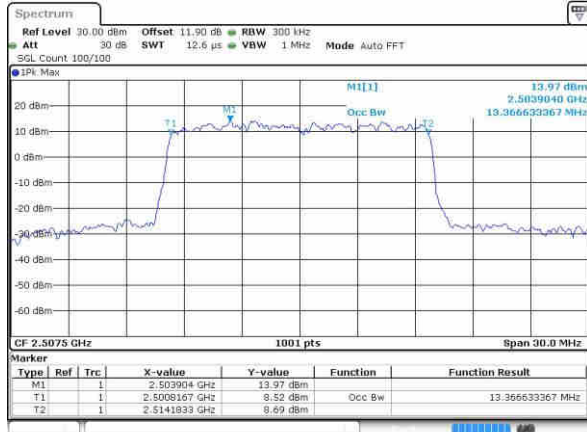
Highest Channel / 10MHz / 64QAM





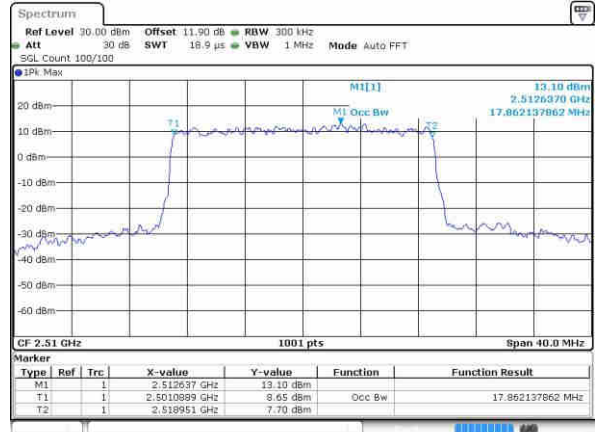
LTE Band 7

Lowest Channel / 15MHz / 64QAM



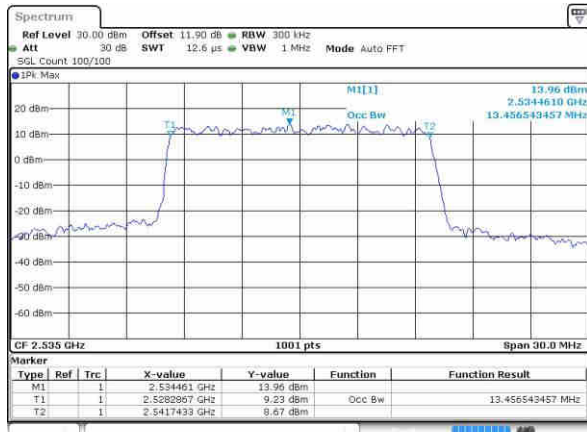
Date: 14 APR 2019 22:44:58

Lowest Channel / 20MHz / 64QAM



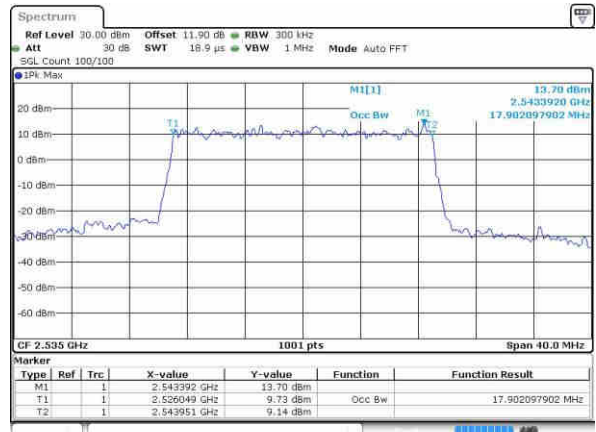
Date: 14 APR 2019 23:01:29

Middle Channel / 15MHz / 64QAM



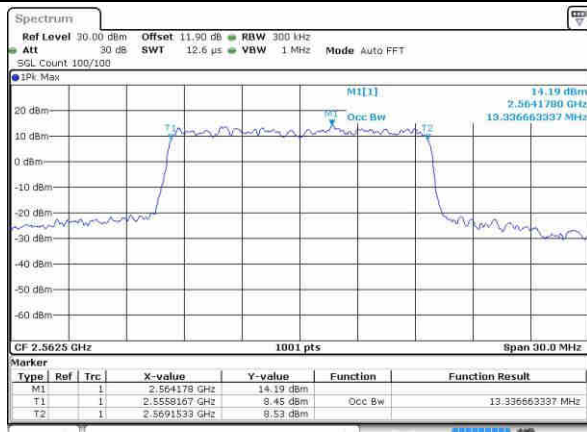
Date: 14 APR 2019 22:47:09

Middle Channel / 20MHz / 64QAM



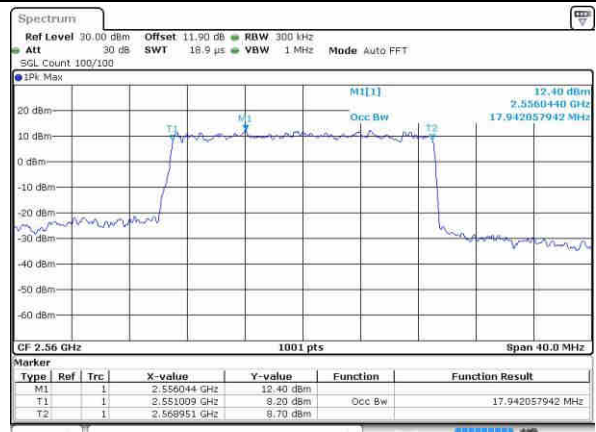
Date: 14 APR 2019 23:03:40

Highest Channel / 15MHz / 64QAM

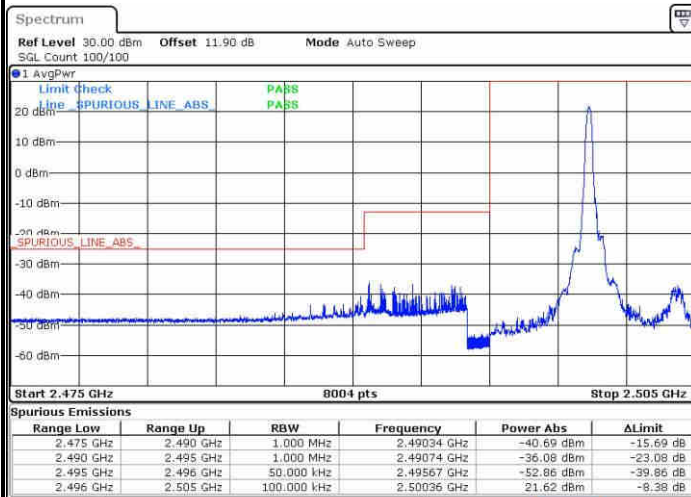
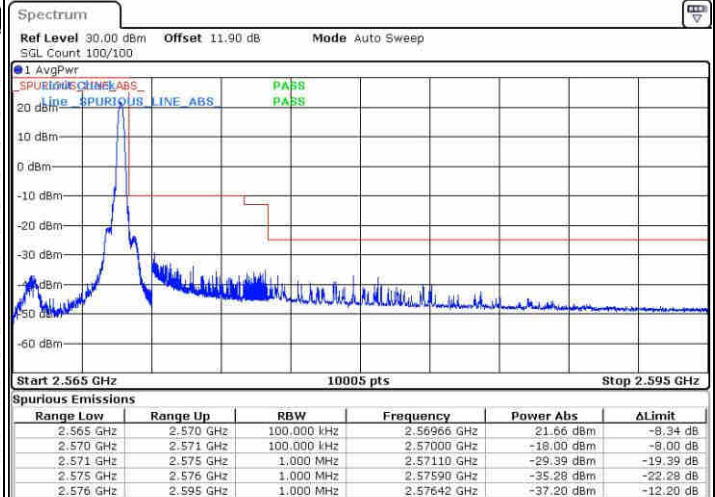
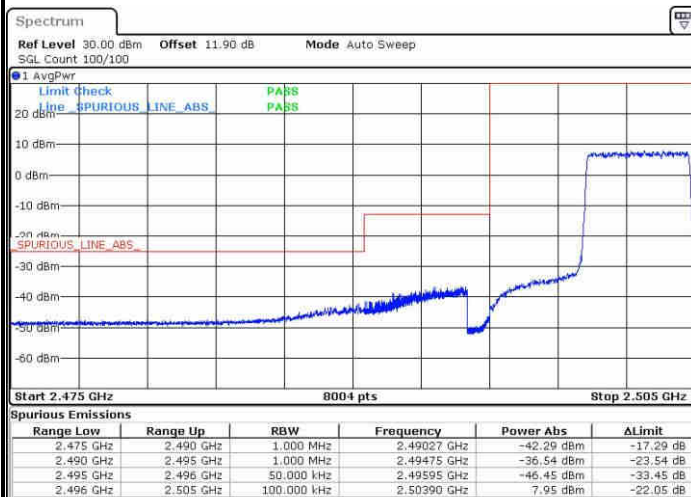
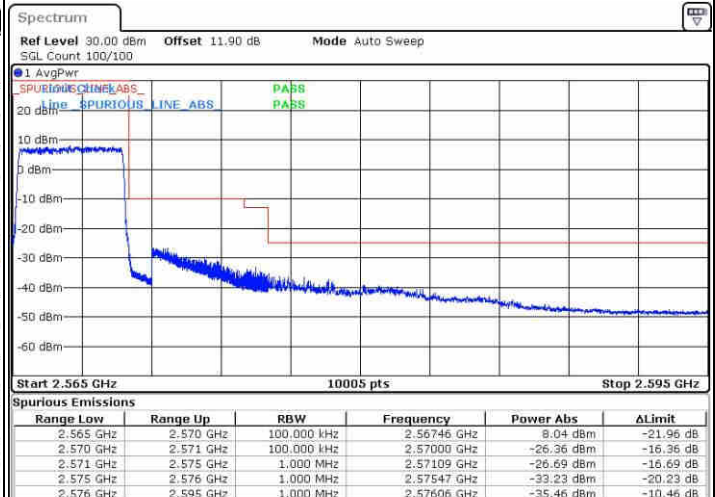


Date: 14 APR 2019 22:48:16

Highest Channel / 20MHz / 64QAM



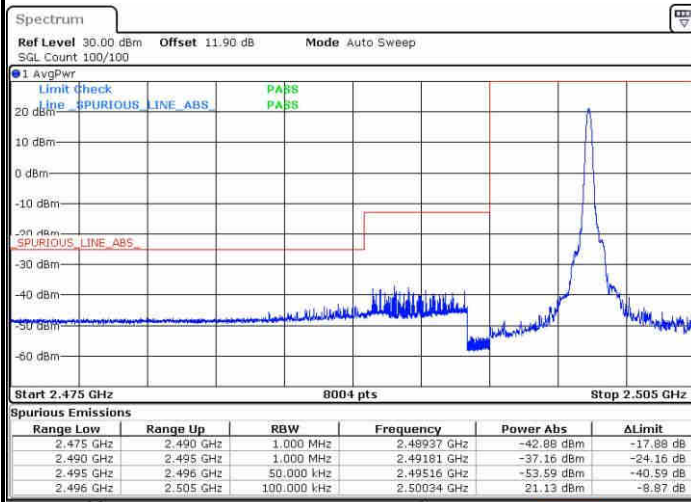
Date: 14 APR 2019 23:04:47

**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**

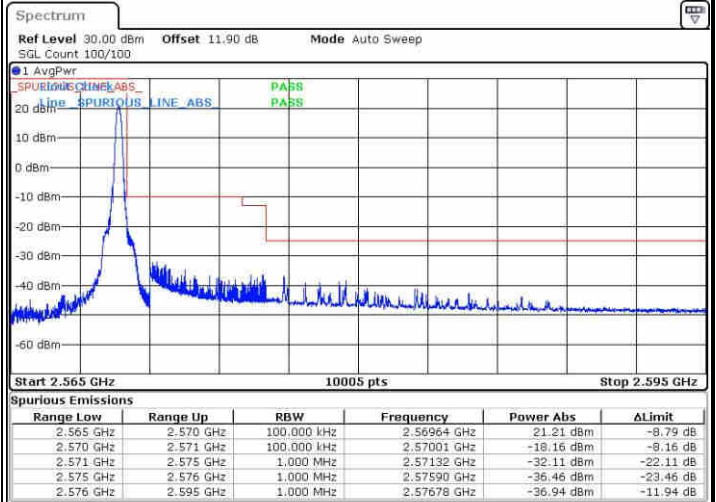


LTE Band 7 / 5MHz / 16QAM

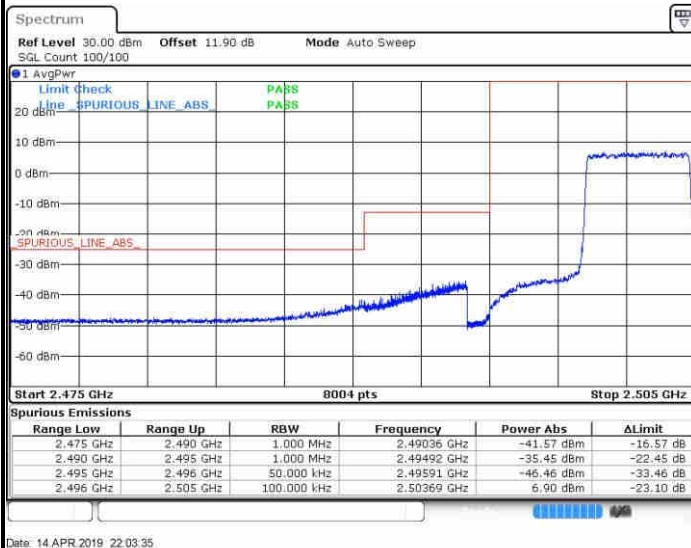
Lowest Band Edge / 1 RB



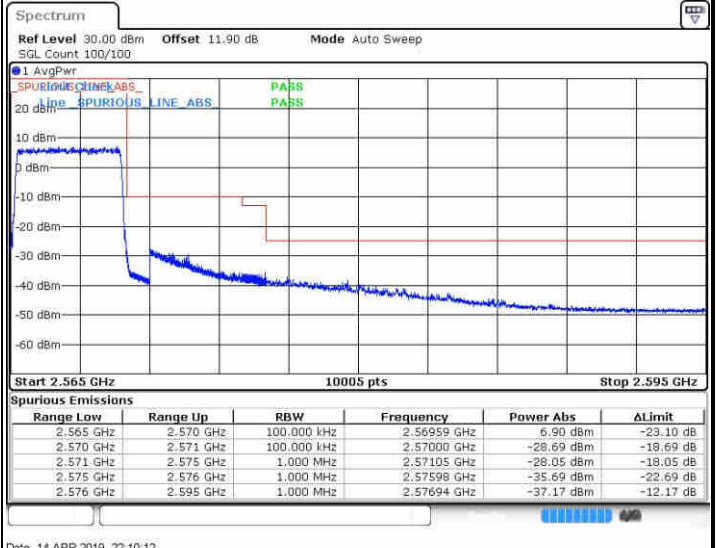
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



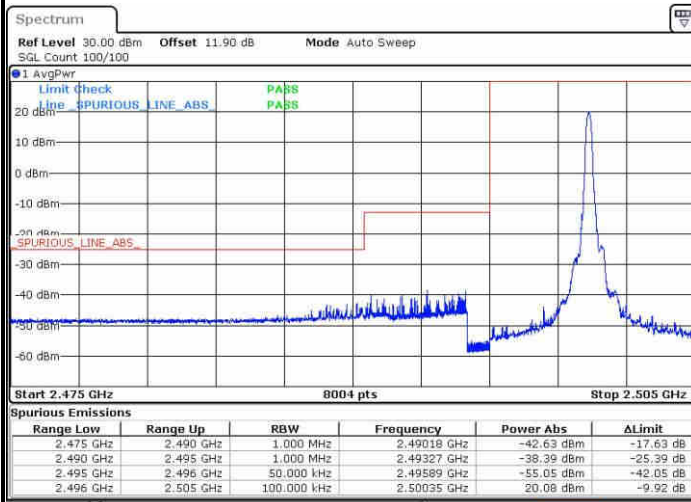
Highest Band Edge / Full RB



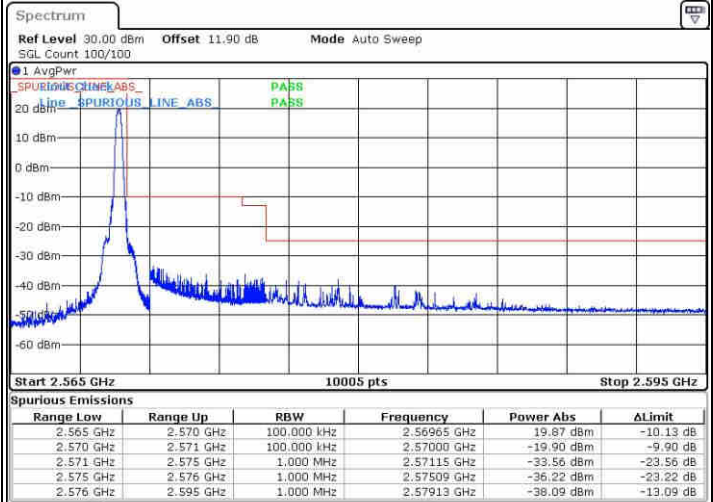


LTE Band 7 / 5MHz / 64QAM

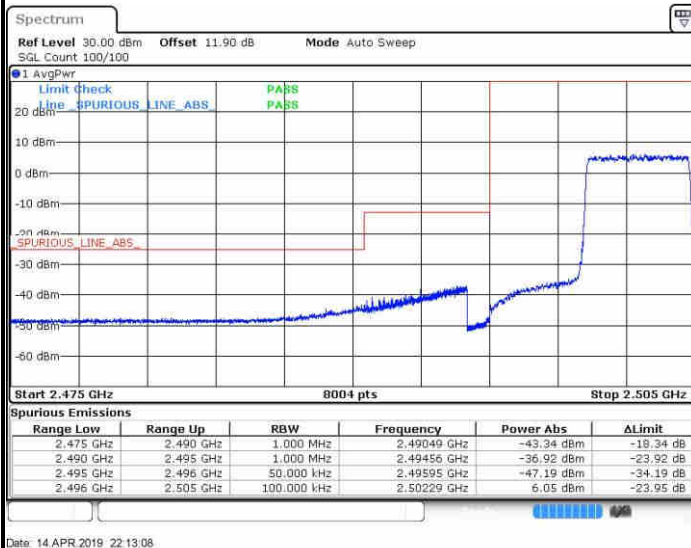
Lowest Band Edge / 1RB



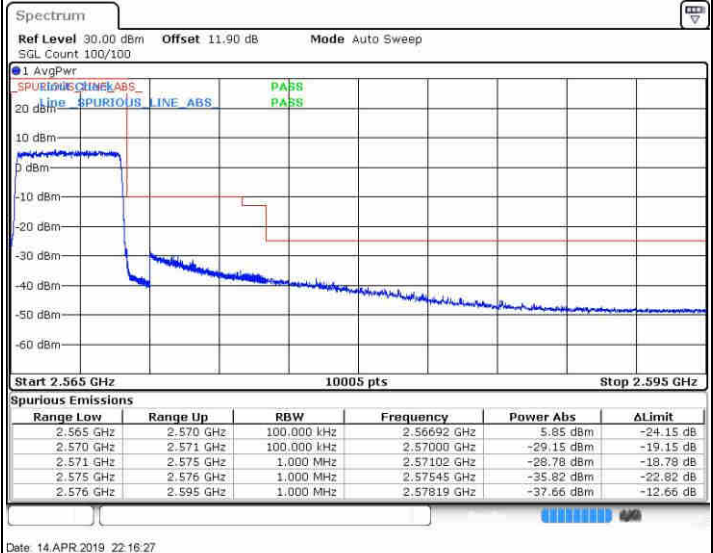
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



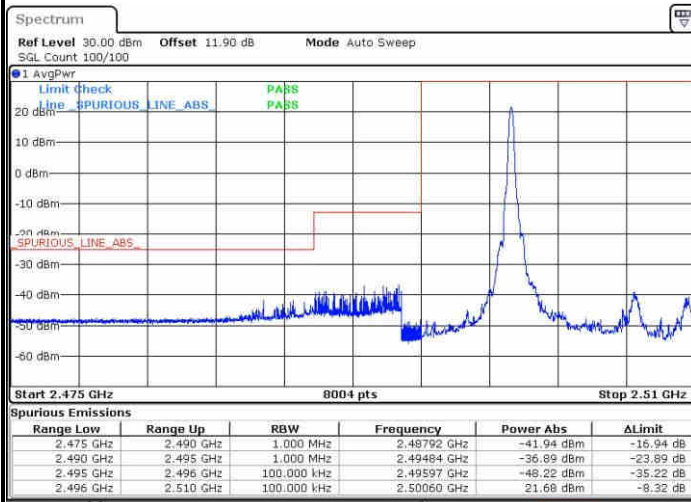
Highest Band Edge / Full RB



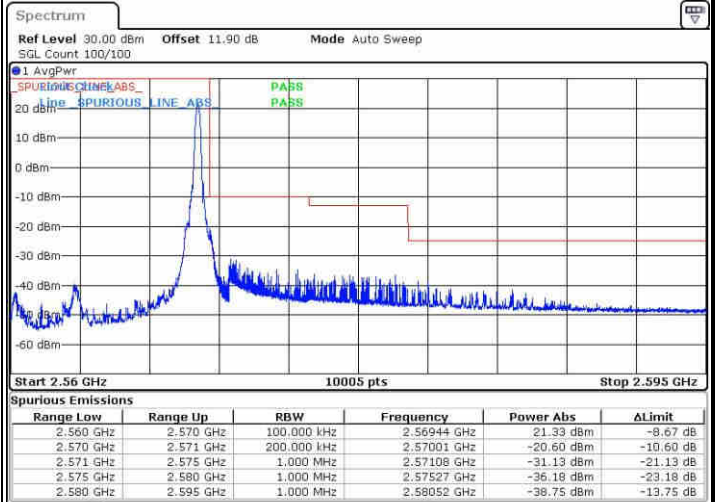


LTE Band 7 / 10MHz / QPSK

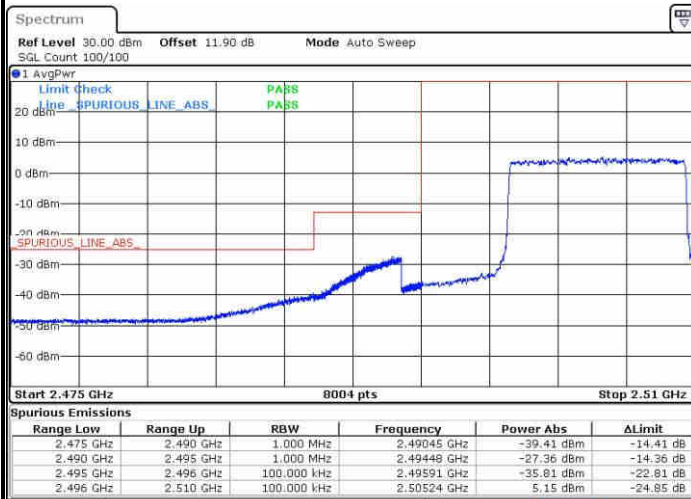
Lowest Band Edge / 1 RB



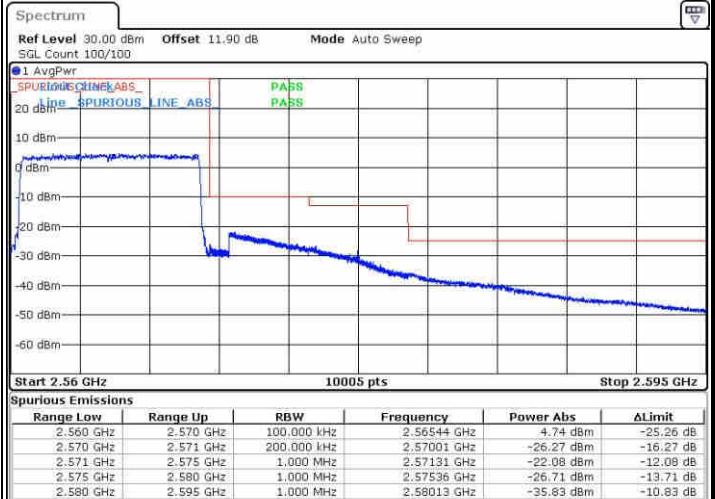
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



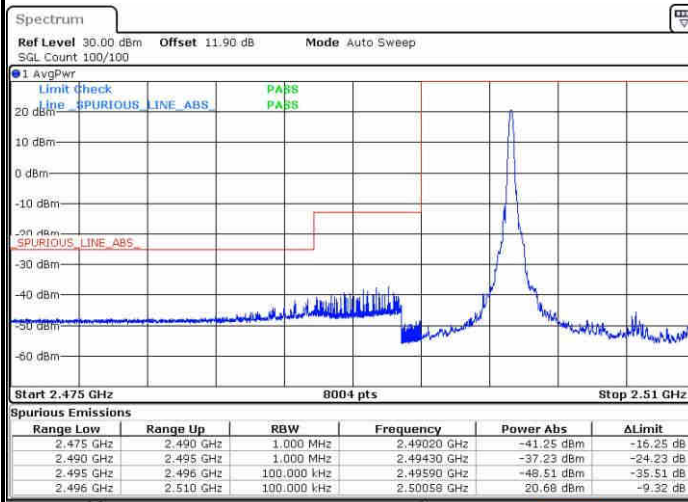
Highest Band Edge / Full RB



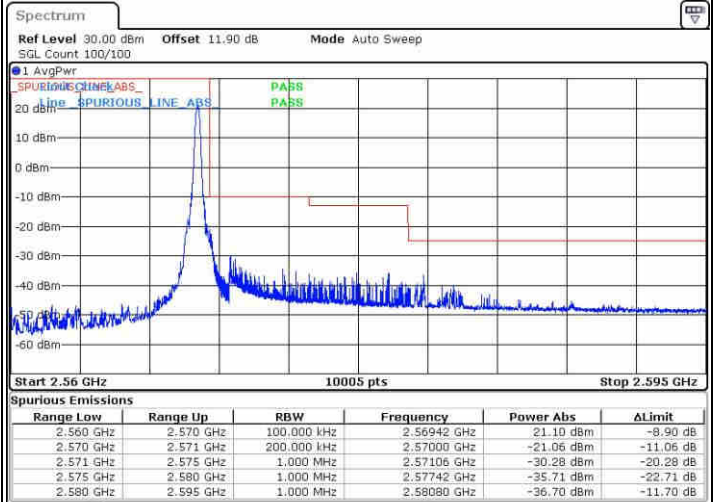


LTE Band 7 / 10MHz / 16QAM

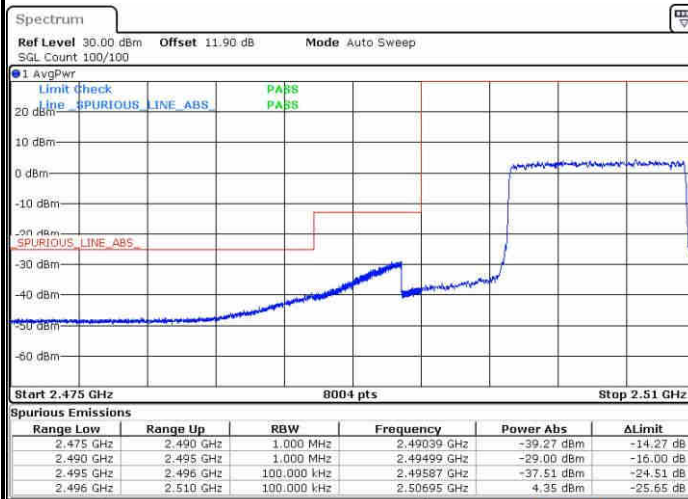
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



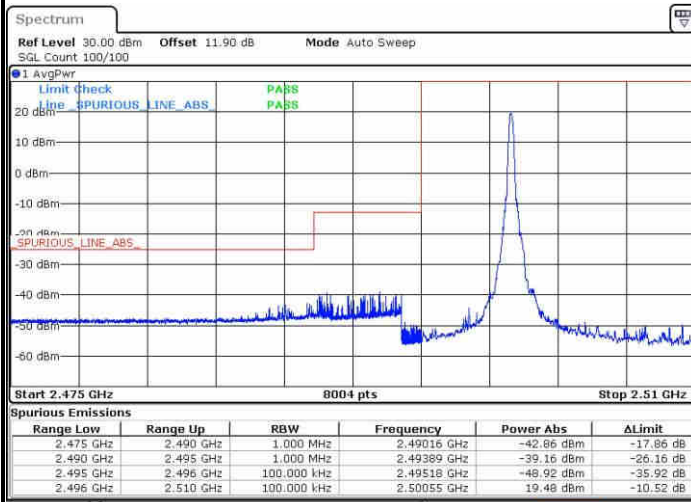
Highest Band Edge / Full RB



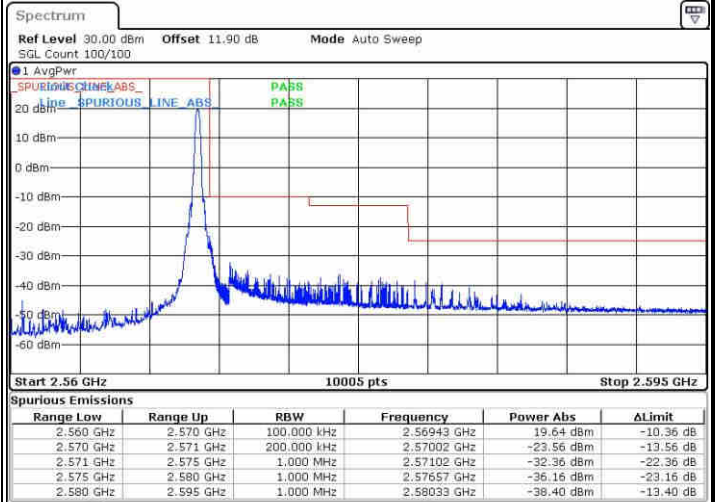


LTE Band 7 / 10MHz / 64QAM

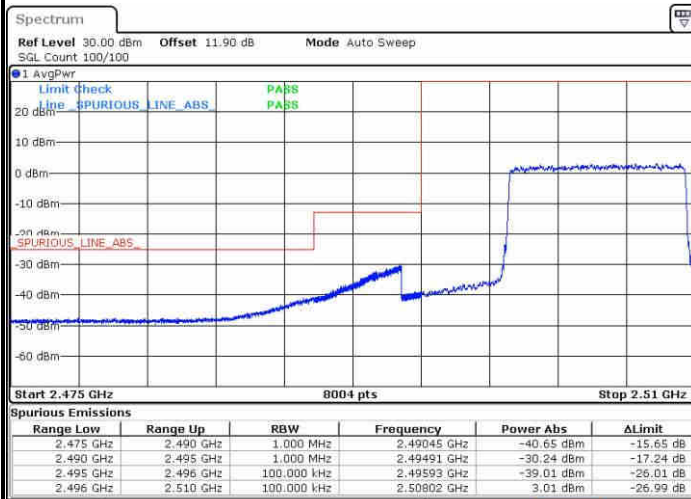
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

