

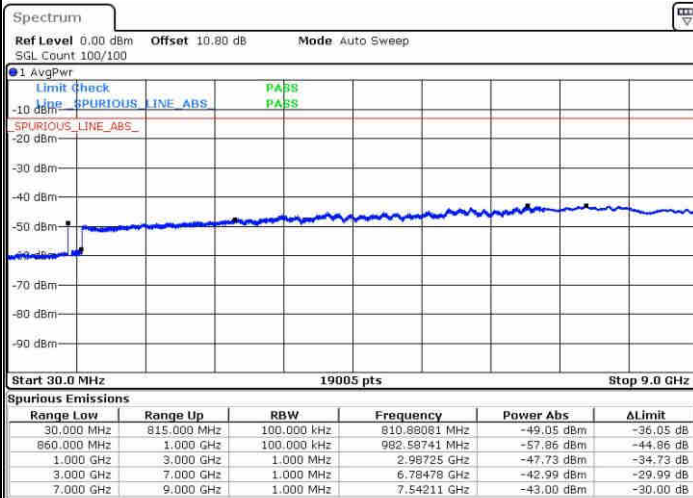


LTE Band 5 / 5MHz+3MHz

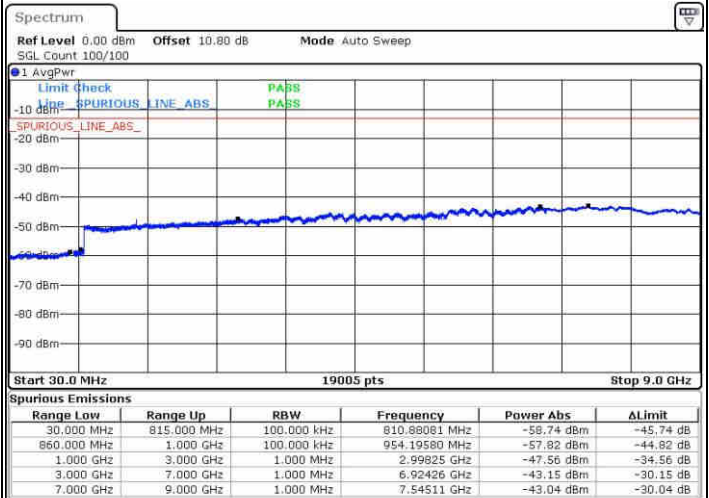
64QAM

Middle Channel / 1RB0 and 1RB14

Middle Channel / 1RB24 and 1RB0



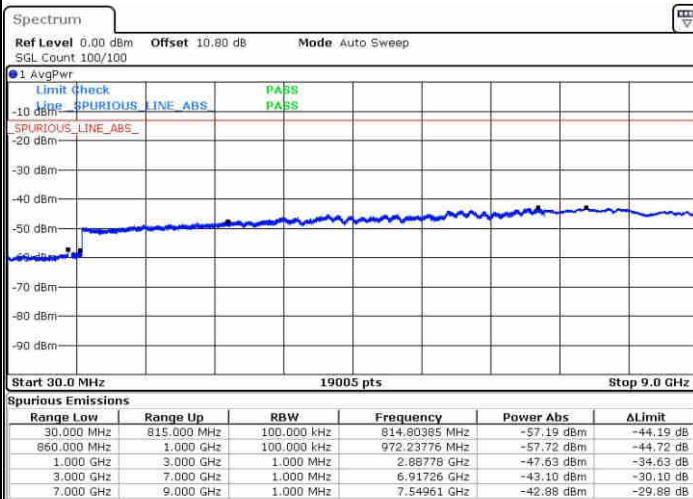
Date: 23 APR 2019 22:20:15



Date: 23 APR 2019 22:26:08

Middle Channel / FullIRB

N/A



Date: 23 APR 2019 22:19:05

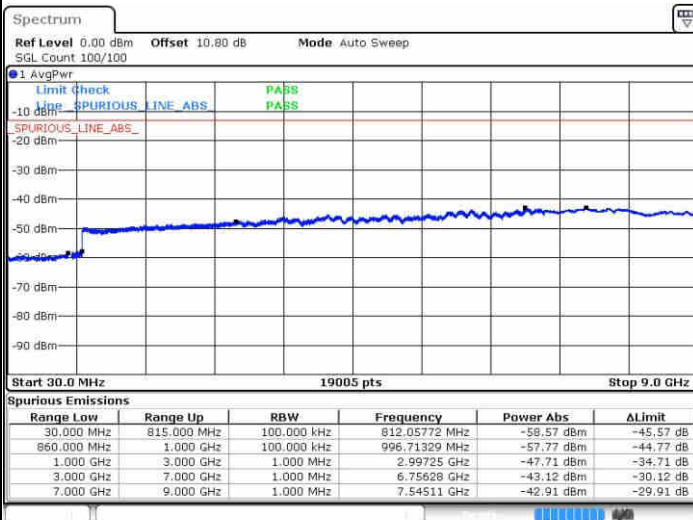


LTE Band 5 / 5MHz+3MHz

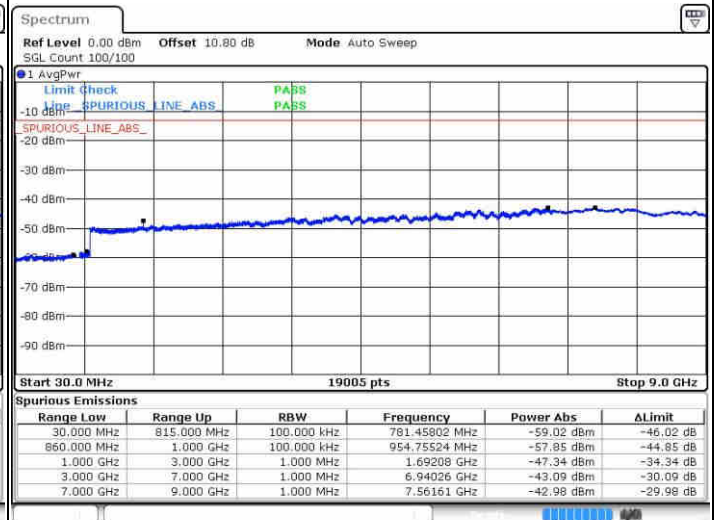
64QAM

Highest Channel / 1RB0 and 1RB14

Highest Channel / 1RB24 and 1RB0



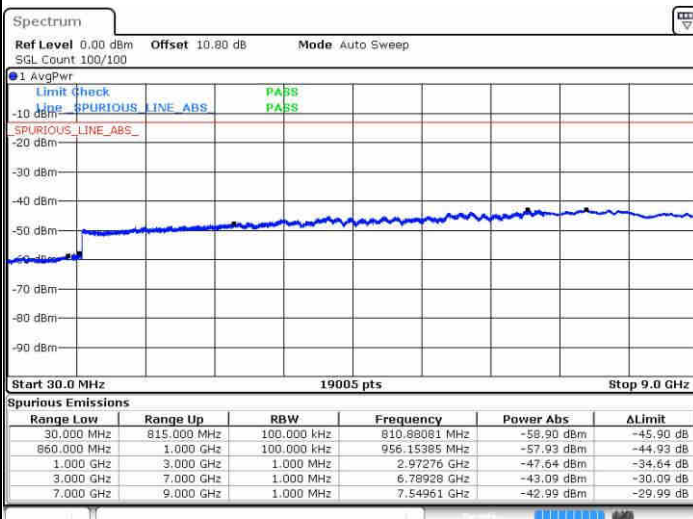
Date: 23 APR 2019 22:54:31



Date: 23 APR 2019 22:53:21

Highest Channel / FullIRB

N/A



Date: 23 APR 2019 23:00:23

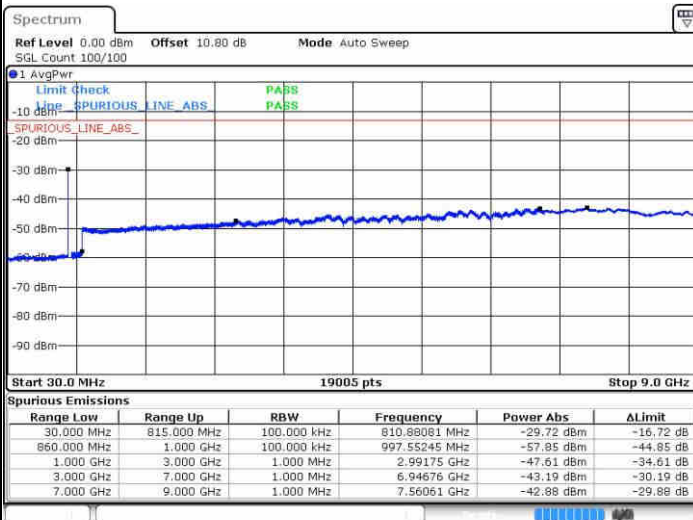


LTE Band 5 / 5MHz+10MHz

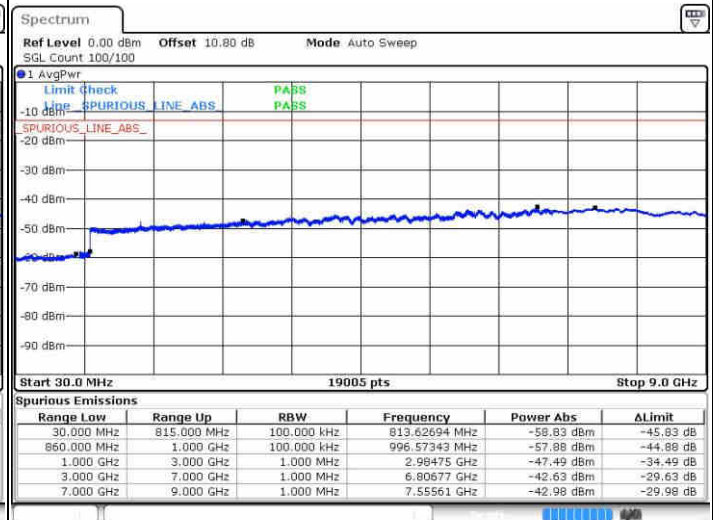
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB24 and 1RB0



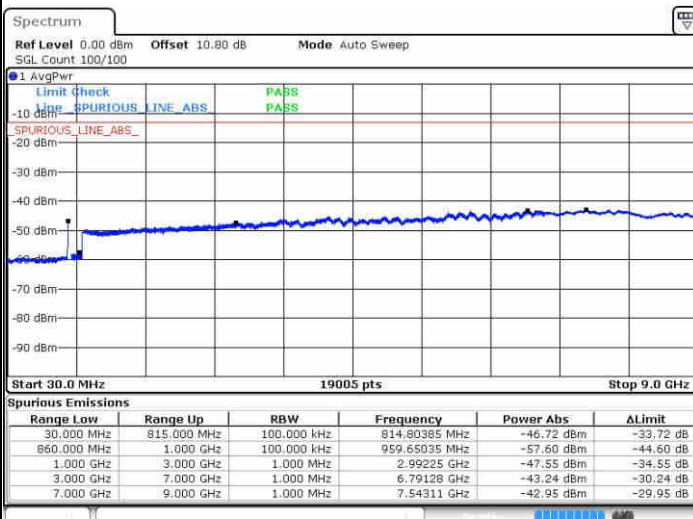
Date: 23 APR 2019 23:49:35



Date: 23 APR 2019 23:43:59

Lowest Channel / FullIRB

N/A



Date: 23 APR 2019 23:50:42

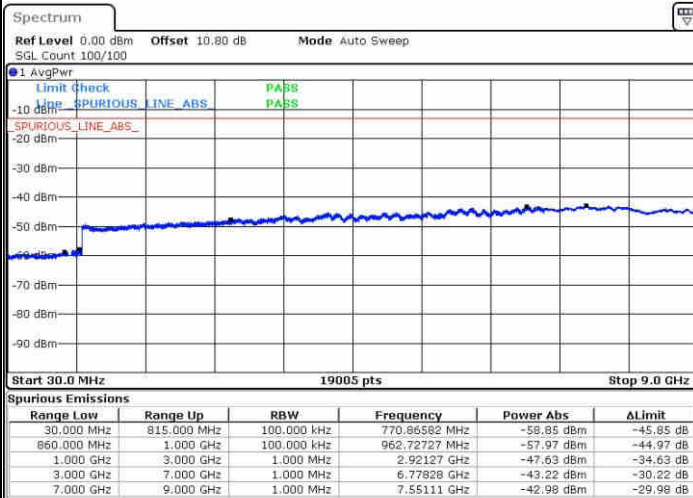


LTE Band 5 / 5MHz+10MHz

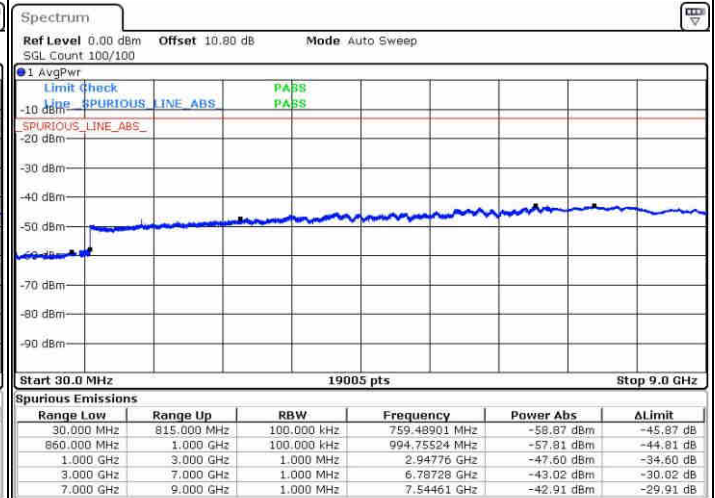
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB24 and 1RB0



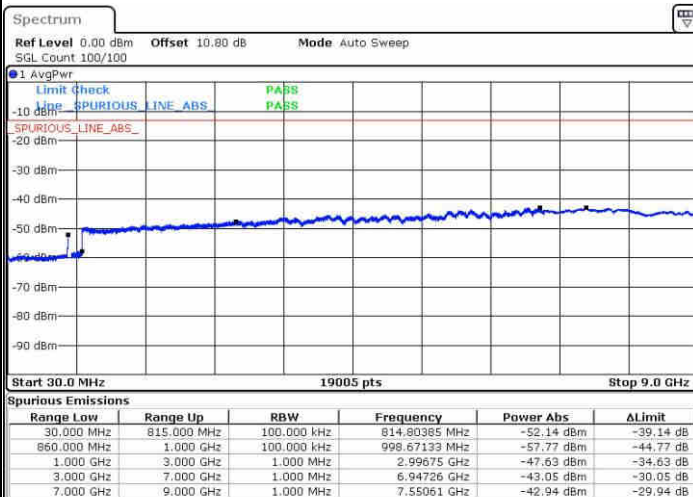
Date: 24 APR 2019 00:02:07



Date: 24 APR 2019 00:07:44

Middle Channel / FullIRB

N/A



Date: 24 APR 2019 00:01:00

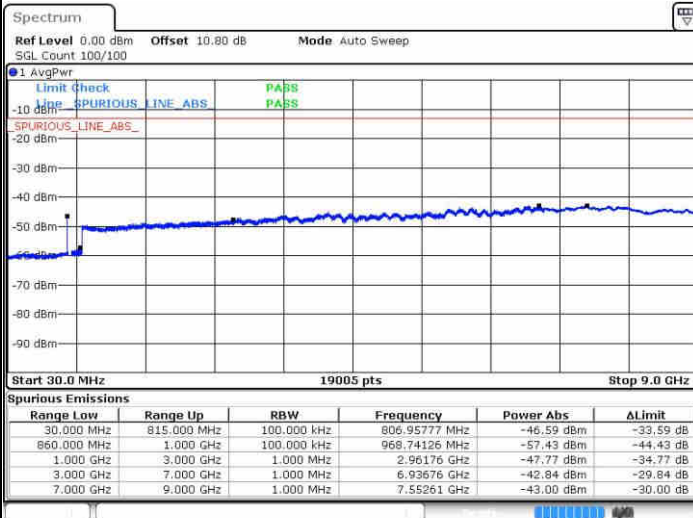


LTE Band 5 / 5MHz+10MHz

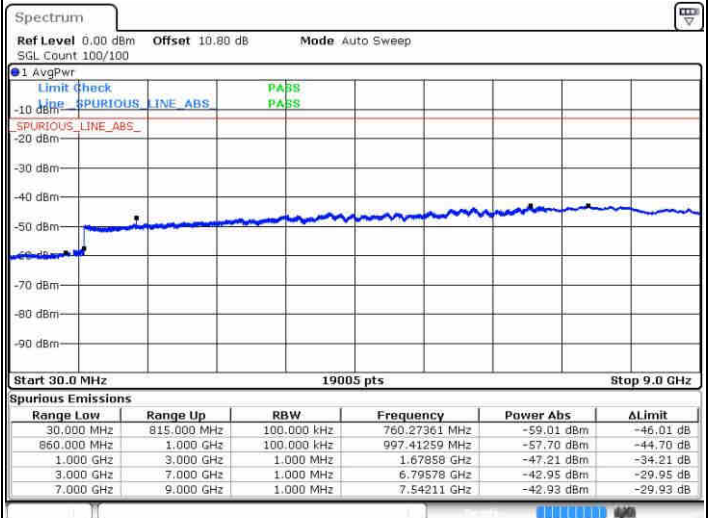
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB24 and 1RB0



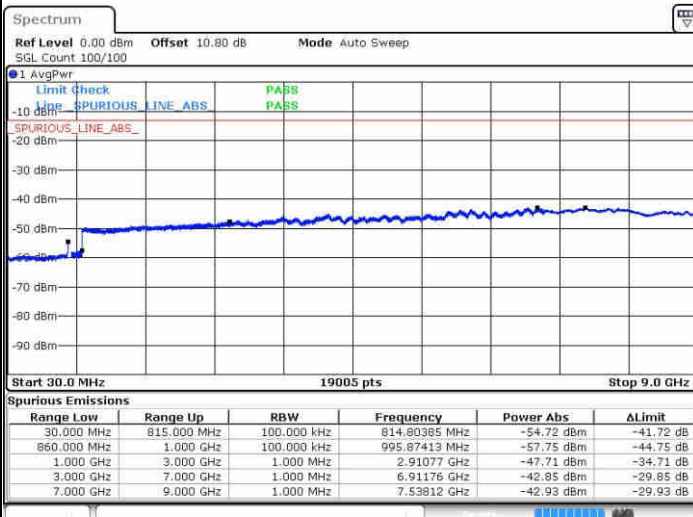
Date: 24 APR 2019 00:36:33



Date: 24 APR 2019 00:35:27

Highest Channel / FullIRB

N/A



Date: 24 APR 2019 00:42:10

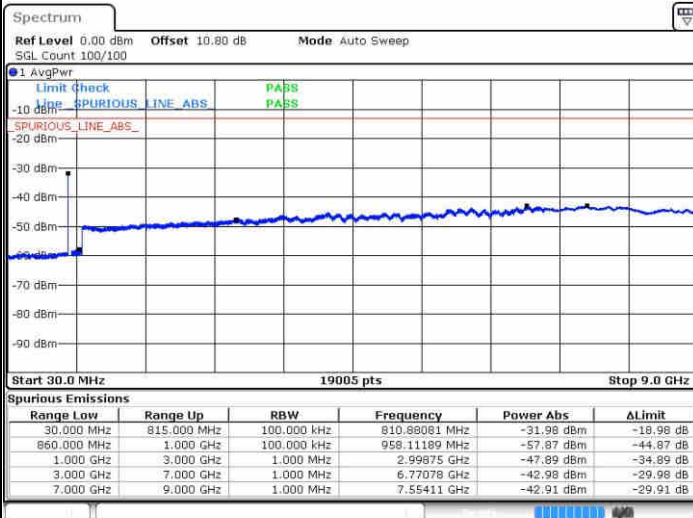


LTE Band 5 / 10MHz+5MHz

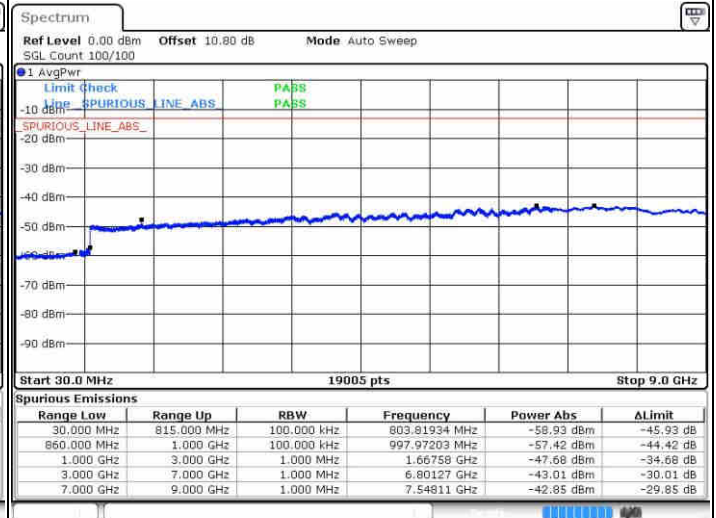
64QAM

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB49 and 1RB0



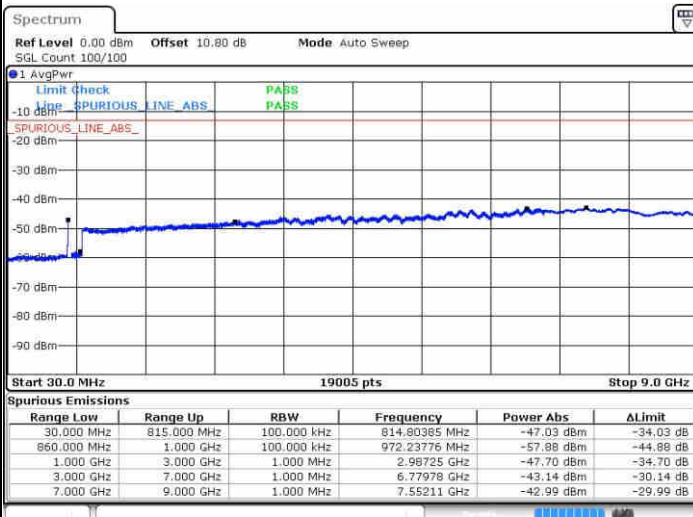
Date: 24 APR 2019 01:15:31



Date: 24 APR 2019 01:09:55

Lowest Channel / FullRB

N/A



Date: 24 APR 2019 01:16:38

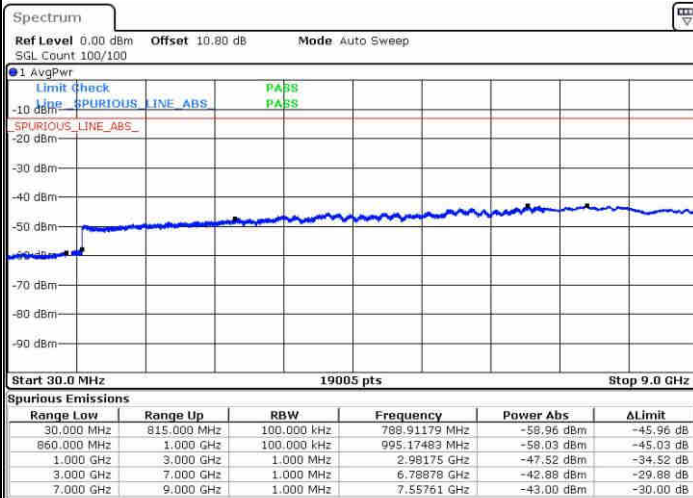


LTE Band 5 / 10MHz+5MHz

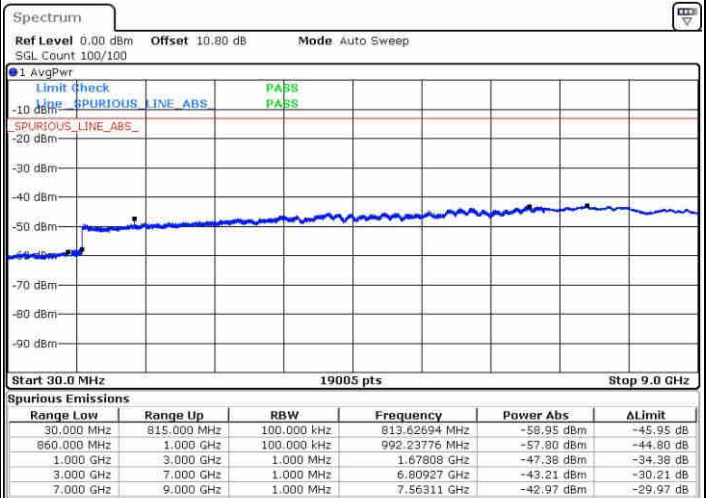
64QAM

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB49 and 1RB0



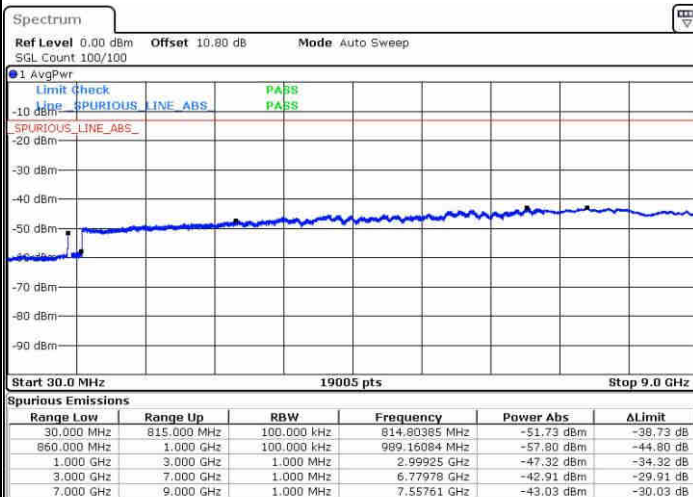
Date: 24 APR 2019 01:28:17



Date: 24 APR 2019 01:33:53

Middle Channel / FullIRB

N/A



Date: 24 APR 2019 01:27:10

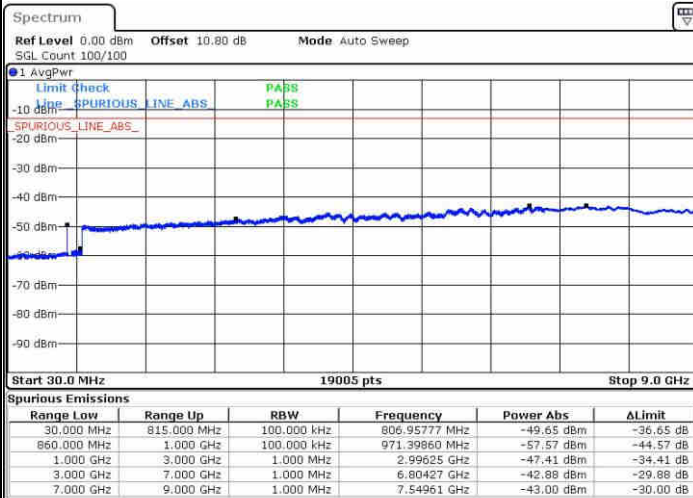


LTE Band 5 / 10MHz+5MHz

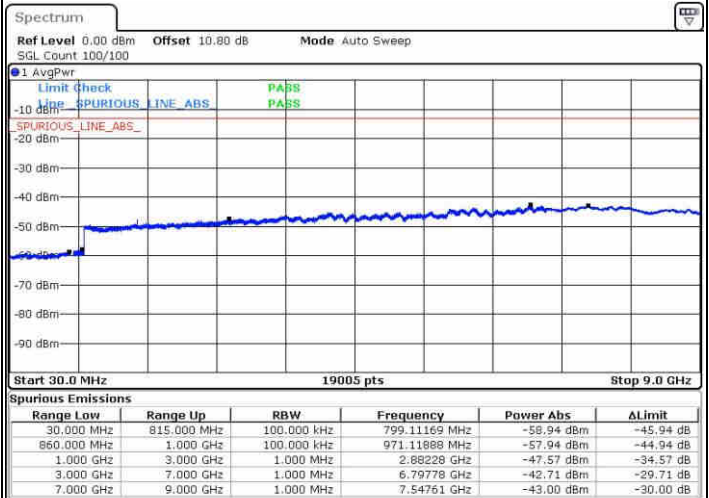
64QAM

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB49 and 1RB0



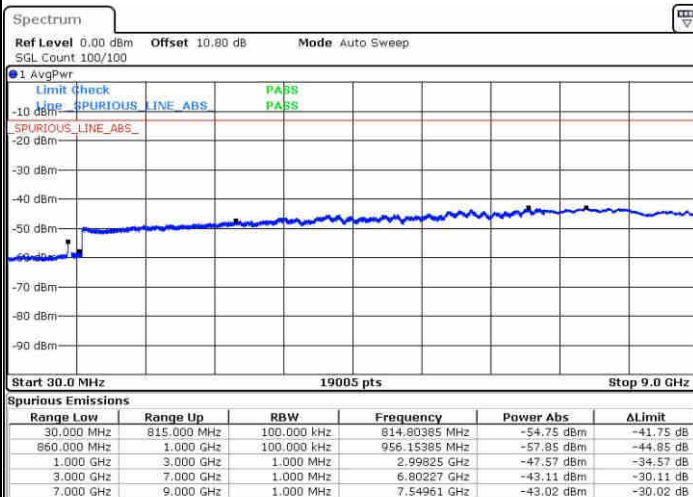
Date: 24 APR 2019 02:01:58



Date: 24 APR 2019 02:00:51

Highest Channel / FullIRB

N/A



Date: 24 APR 2019 02:07:35

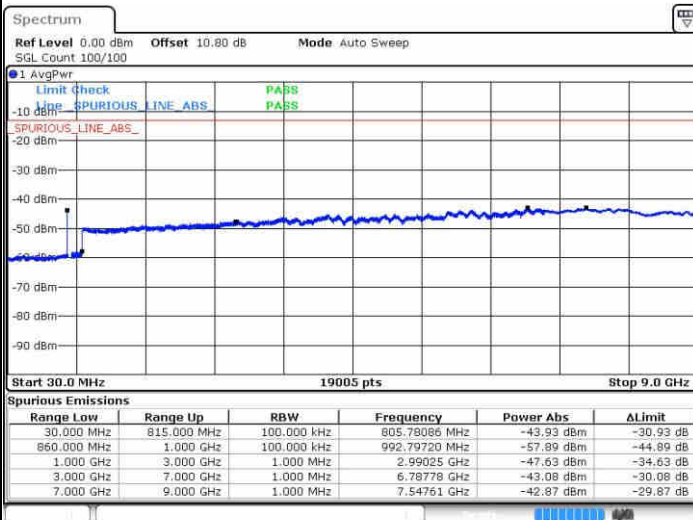


LTE Band 5 / 10MHz+10MHz

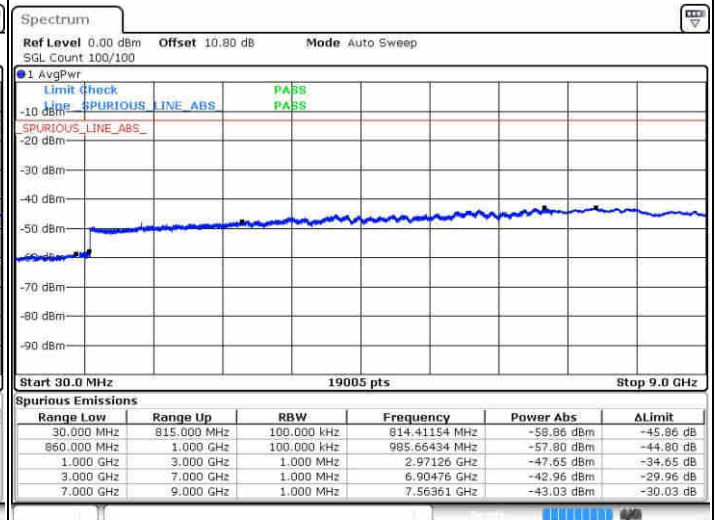
64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



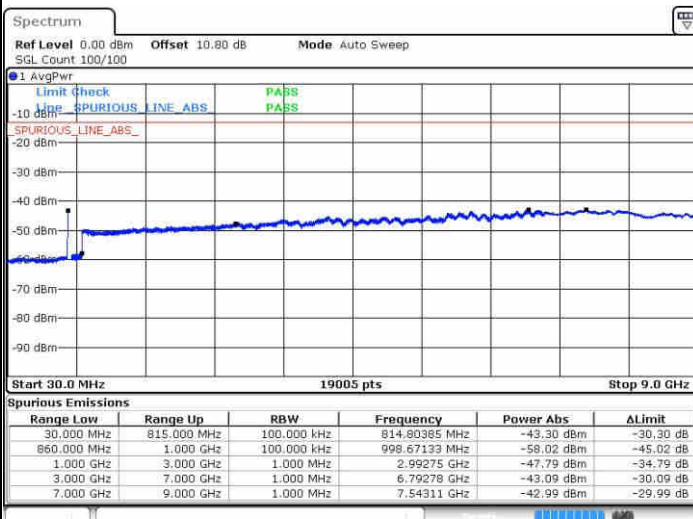
Date: 24 APR 2019 02:38:13



Date: 24 APR 2019 02:32:37

Lowest Channel / FullIRB

N/A



Date: 24 APR 2019 02:39:21

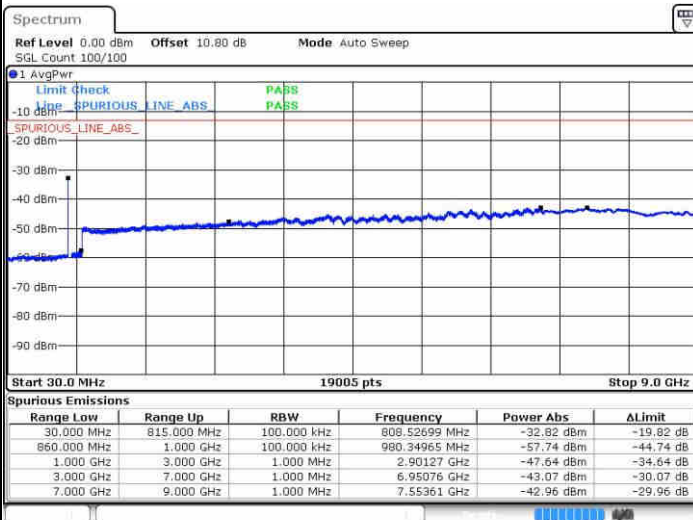


LTE Band 5 / 10MHz+10MHz

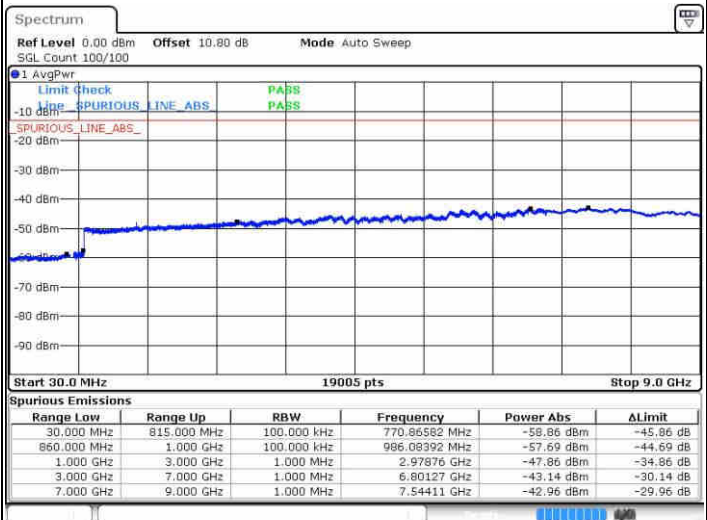
64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



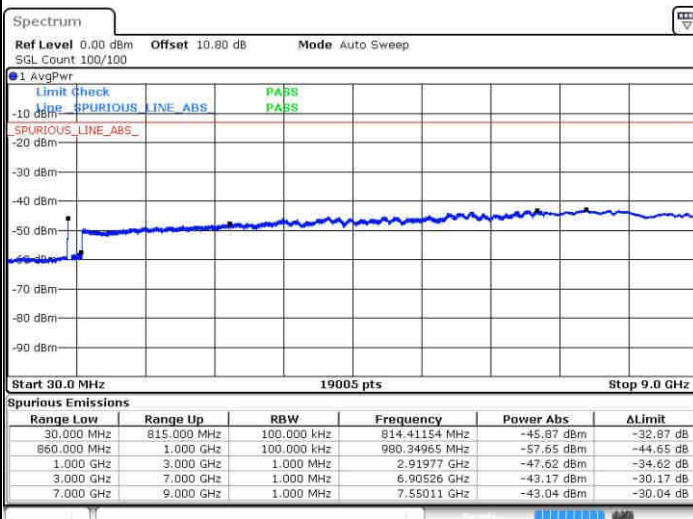
Date: 24 APR 2019 02:51:48



Date: 24 APR 2019 02:57:24

Middle Channel / FullIRB

N/A



Date: 24 APR 2019 02:50:41

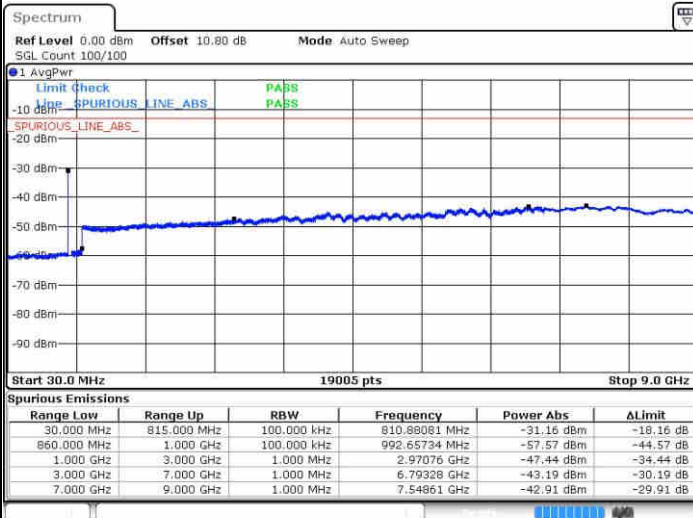


LTE Band 5 / 10MHz+10MHz

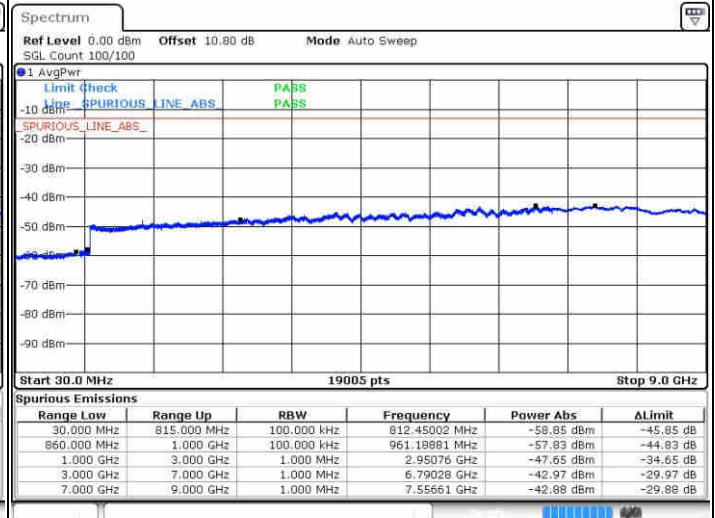
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



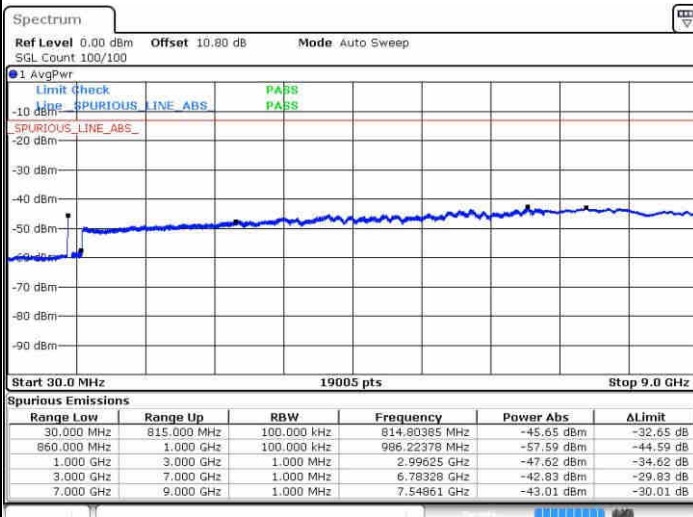
Date: 24 APR 2019 03:30:29



Date: 24 APR 2019 03:29:23

Highest Channel / FullIRB

N/A



Date: 24 APR 2019 03:36:06



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	3.51	4.64	3.94	5.62	PASS
Middle CH	3.59	4.84	4.12	5.80	
Highest CH	3.65	4.90	4.03	5.97	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.10	6.32	-	-	PASS
Middle CH	5.36	6.35	-	-	
Highest CH	5.28	6.52	-	-	



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

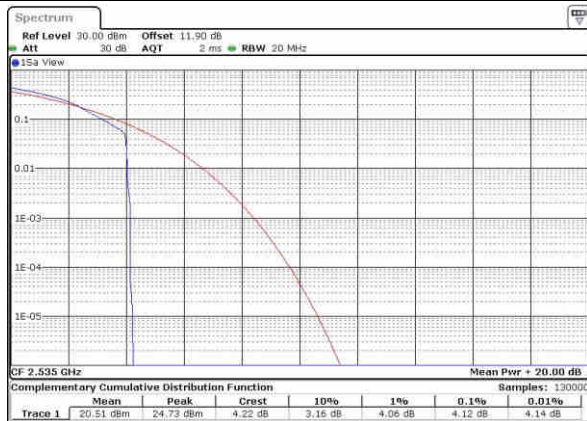


LTE Band 7 / 20MHz / 16QAM
Lowest Channel / 1RB


Date: 12 APR 2019 09:55:35

Lowest Channel / Full RB


Date: 12 APR 2019 09:56:16

Middle Channel / 1RB


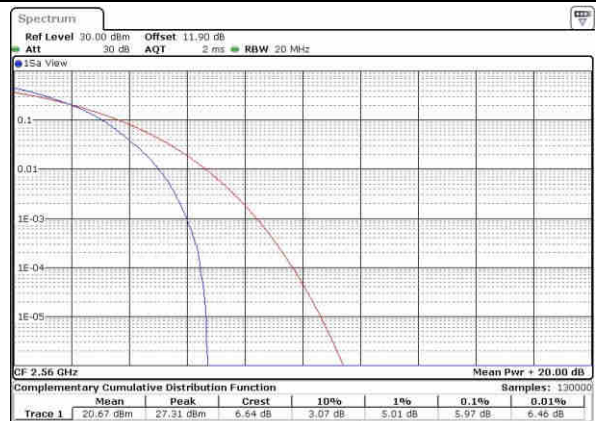
Date: 12 APR 2019 09:58:31

Middle Channel / Full RB


Date: 12 APR 2019 09:58:42

Highest Channel / 1RB


Date: 12 APR 2019 10:00:55

Highest Channel / Full RB


Date: 12 APR 2019 10:01:10

LTE Band 7 / 20MHz / 64QAM
Lowest Channel / 1RB


Date: 12 APR 2019 10:07:53

Lowest Channel / Full RB

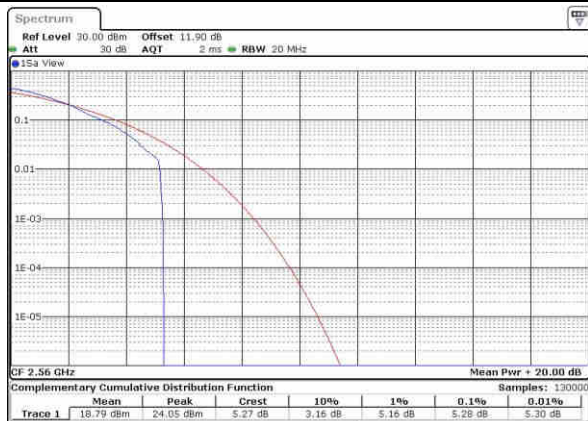

Date: 12 APR 2019 10:08:09

Middle Channel / 1RB


Date: 12 APR 2019 10:08:25

Middle Channel / Full RB


Date: 12 APR 2019 10:08:36

Highest Channel / 1RB


Date: 12 APR 2019 10:08:49

Highest Channel / Full RB


Date: 12 APR 2019 10:09:01

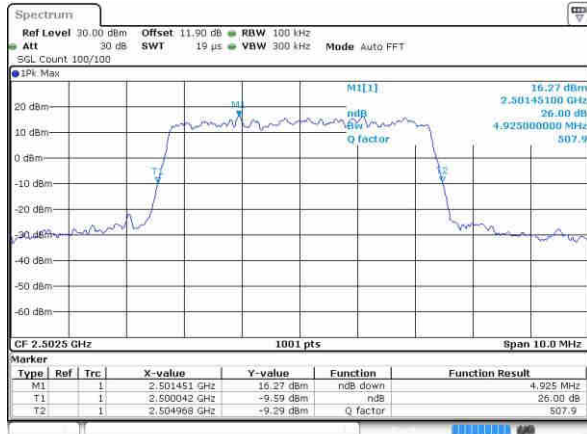
**26dB Bandwidth**

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	-	-	-	-	4.93	4.89	9.75	9.95	14.30	14.42	19.14	19.02
Middle CH	-	-	-	-	4.94	4.90	9.73	9.63	14.15	14.12	19.14	18.86
Highest CH	-	-	-	-	4.90	4.86	9.67	9.73	14.33	14.27	18.94	19.02
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.91	-	9.77	-	14.42	-	19.22	-
Middle CH	-	-	-	-	4.88	-	9.93	-	14.36	-	18.90	-
Highest CH	-	-	-	-	4.87	-	9.83	-	14.33	-	19.30	-



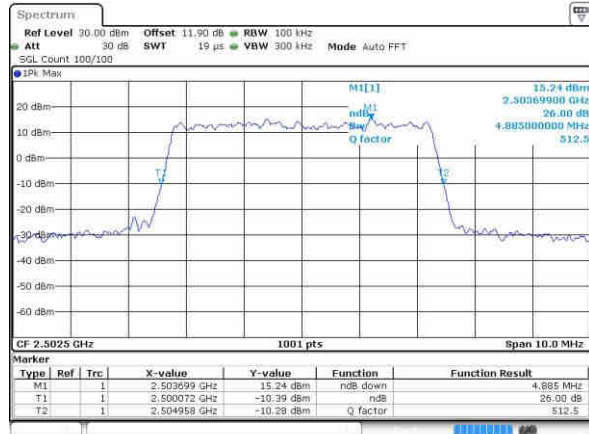
LTE Band 7

Lowest Channel / 5MHz / QPSK



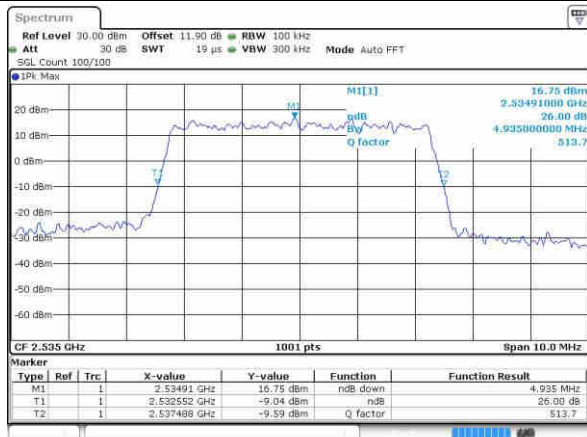
Date: 9 APR 2019 02:55:48

Lowest Channel / 5MHz / 16QAM



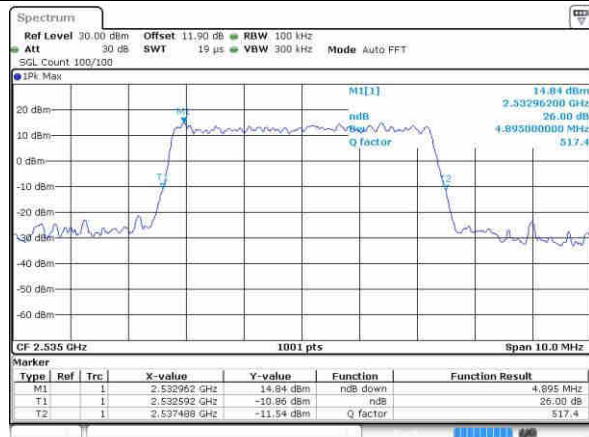
Date: 9 APR 2019 02:56:01

Middle Channel / 5MHz / QPSK



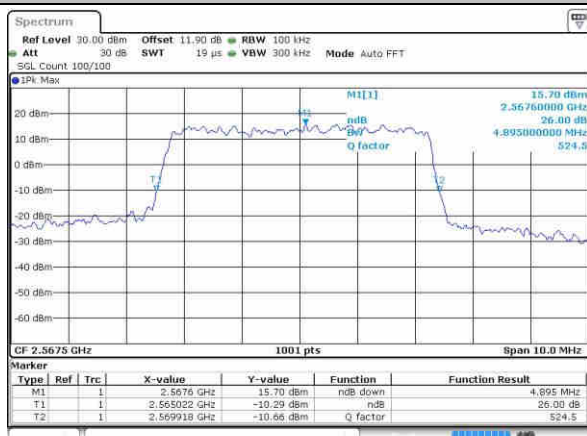
Date: 9 APR 2019 03:00:31

Middle Channel / 5MHz / 16QAM



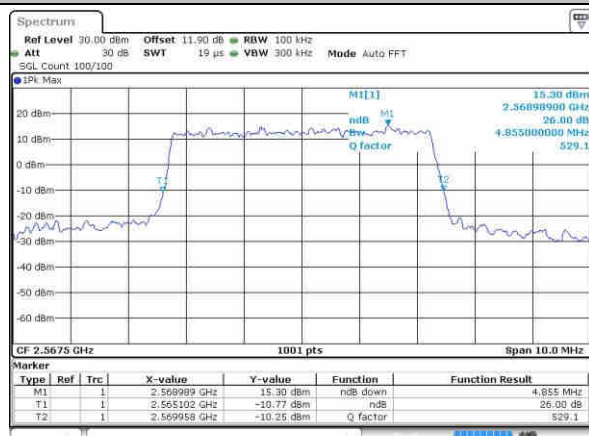
Date: 9 APR 2019 03:00:42

Highest Channel / 5MHz / QPSK



Date: 9 APR 2019 03:02:46

Highest Channel / 5MHz / 16QAM

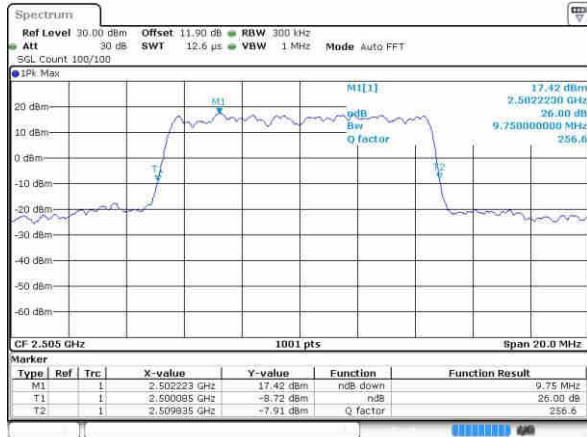


Date: 9 APR 2019 03:02:58



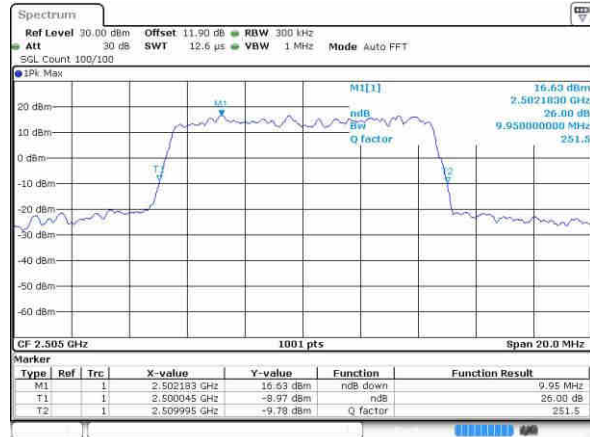
LTE Band 7

Lowest Channel / 10MHz / QPSK



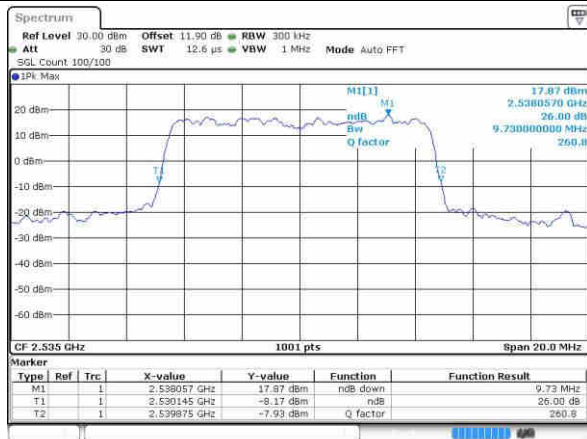
Date: 9 APR 2019 03:13:21

Lowest Channel / 10MHz / 16QAM



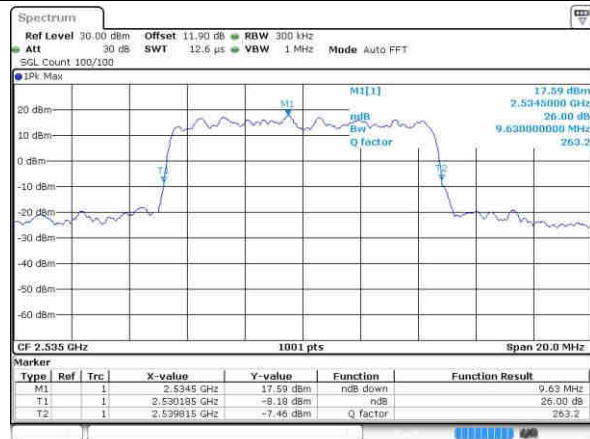
Date: 9 APR 2019 03:13:33

Middle Channel / 10MHz / QPSK



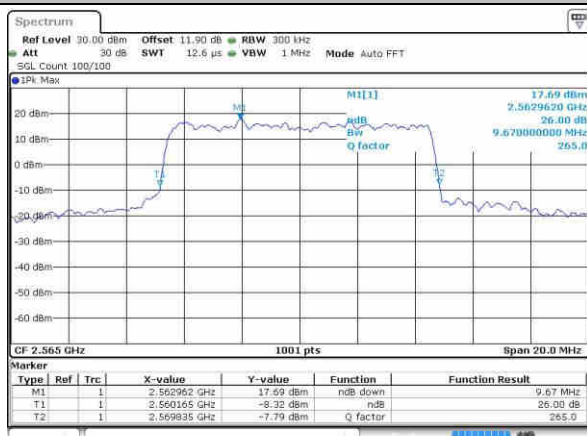
Date: 9 APR 2019 03:18:03

Middle Channel / 10MHz / 16QAM



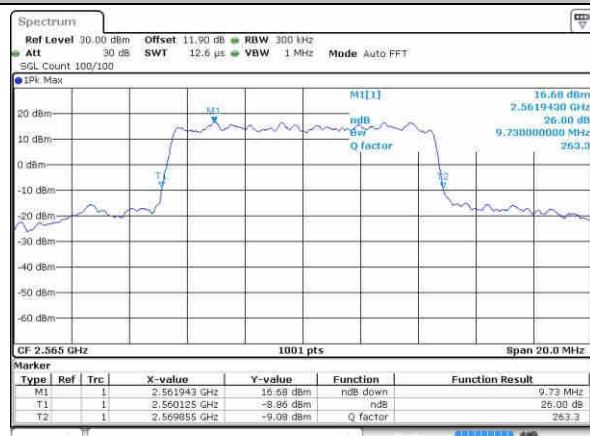
Date: 9 APR 2019 03:18:15

Highest Channel / 10MHz / QPSK



Date: 9 APR 2019 03:20:18

Highest Channel / 10MHz / 16QAM

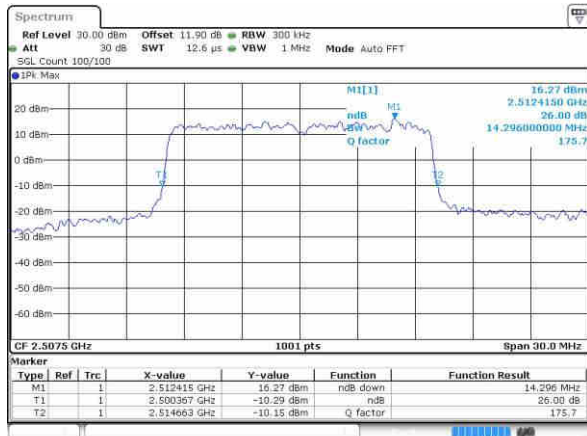


Date: 9 APR 2019 03:20:31

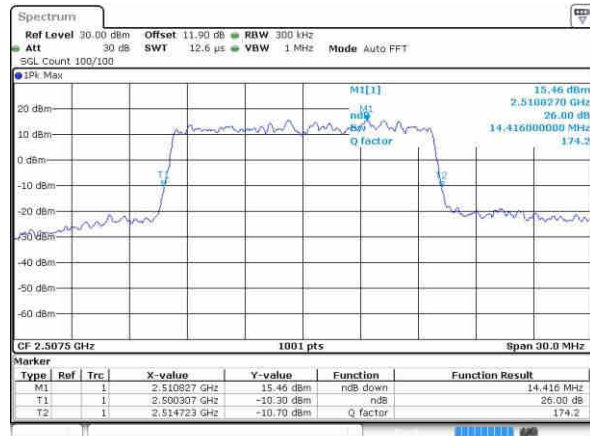


LTE Band 7

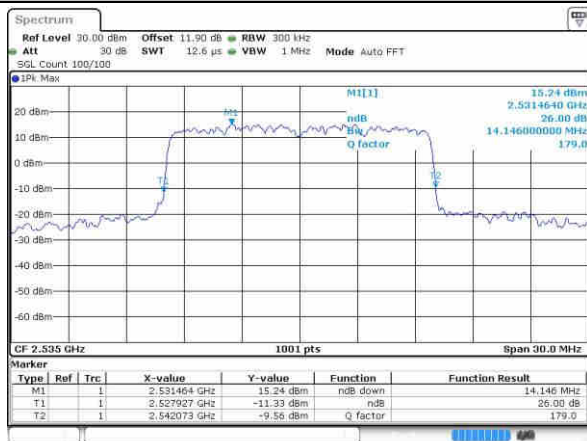
Lowest Channel / 15MHz / QPSK



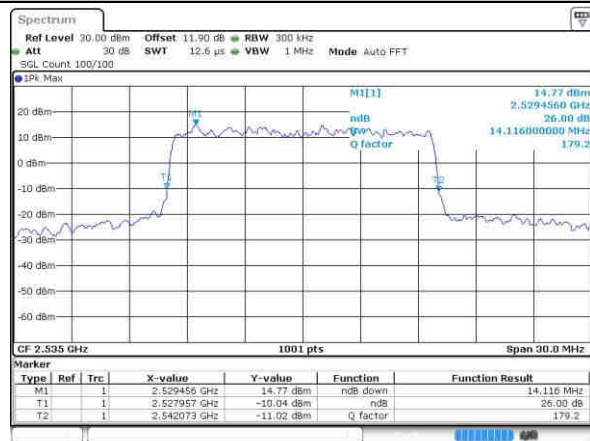
Lowest Channel / 15MHz / 16QAM



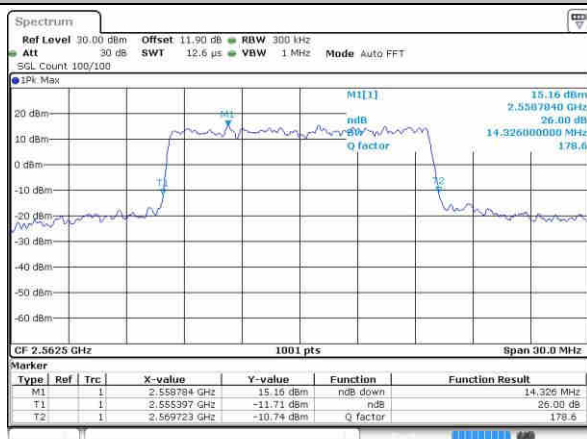
Middle Channel / 15MHz / QPSK



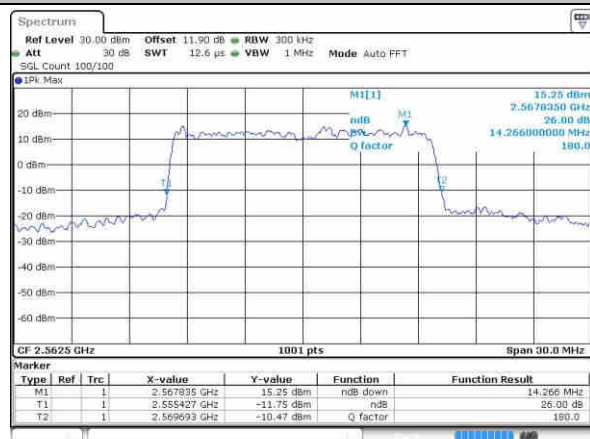
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



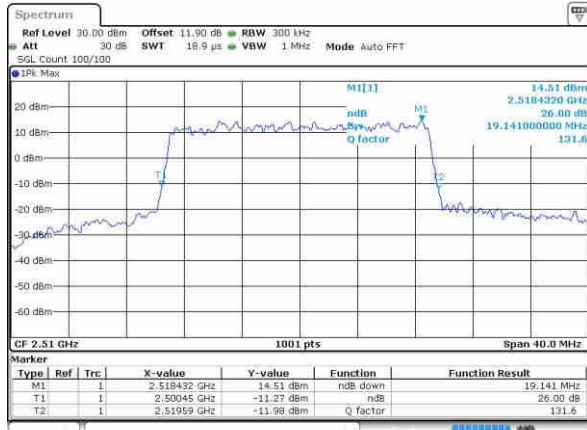
Highest Channel / 15MHz / 16QAM



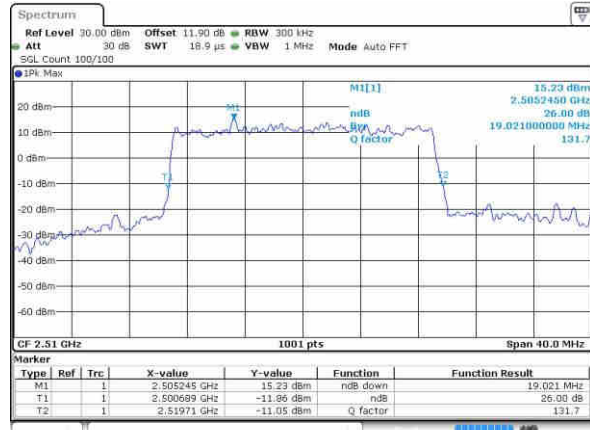


LTE Band 7

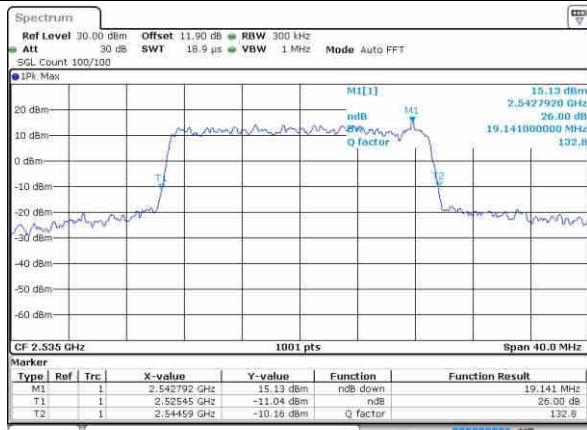
Lowest Channel / 20MHz / QPSK



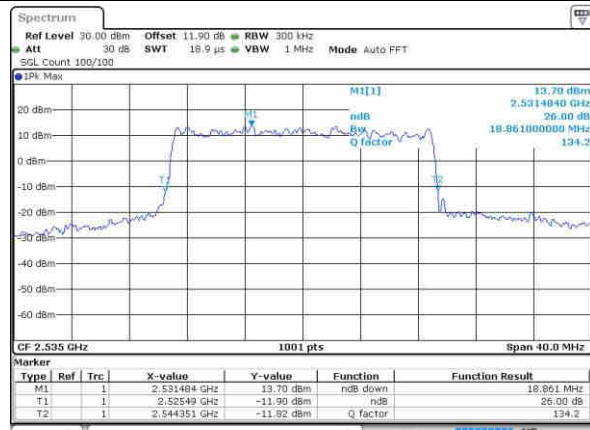
Lowest Channel / 20MHz / 16QAM



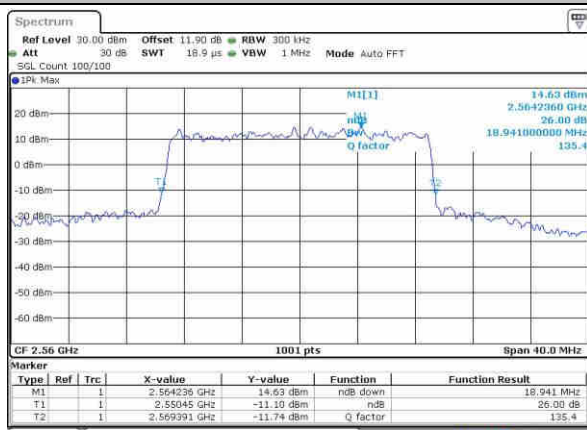
Middle Channel / 20MHz / QPSK



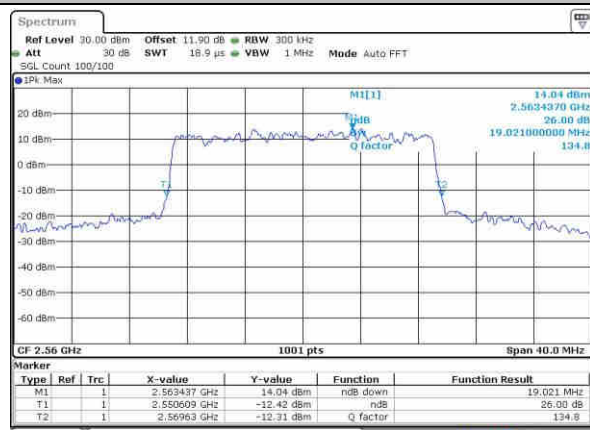
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



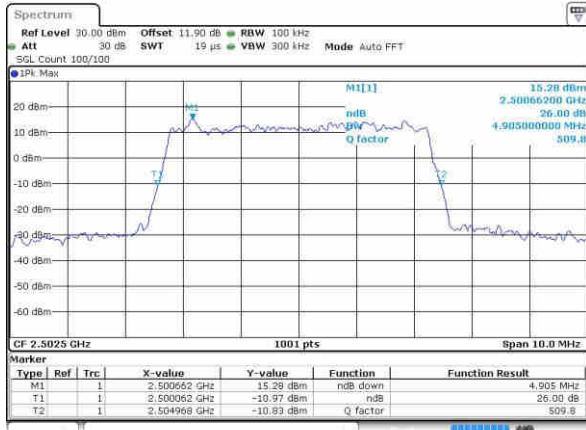
Highest Channel / 20MHz / 16QAM



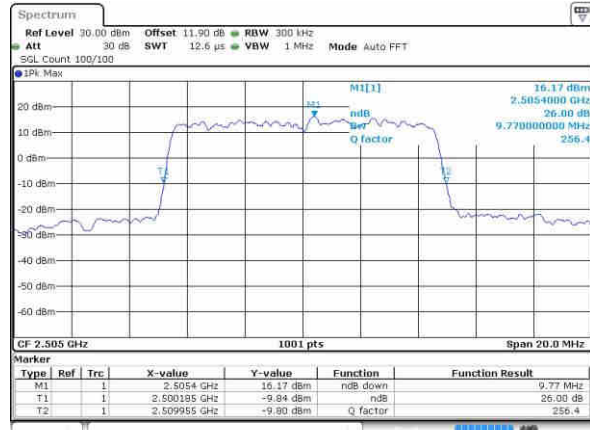


LTE Band 7

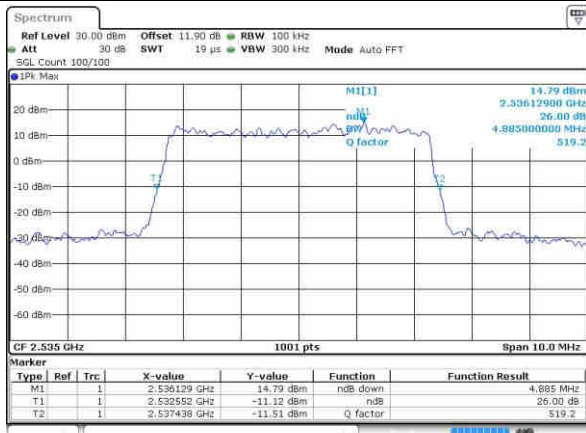
Lowest Channel / 5MHz / 64QAM



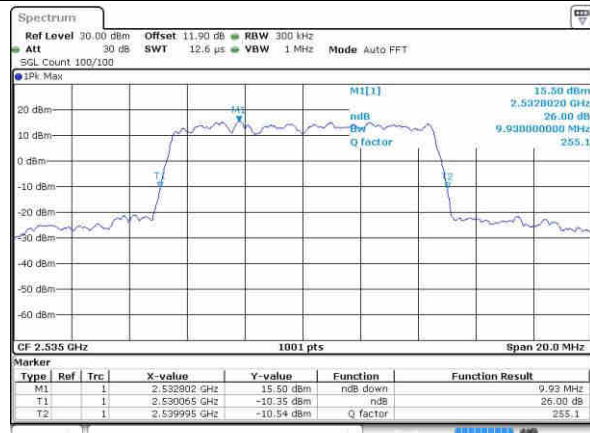
Lowest Channel / 10MHz / 64QAM



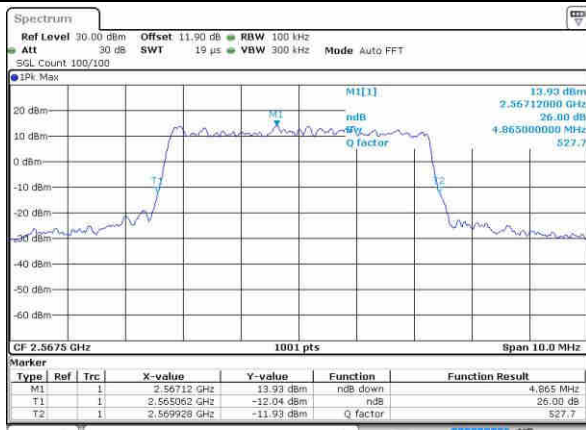
Middle Channel / 5MHz / 64QAM



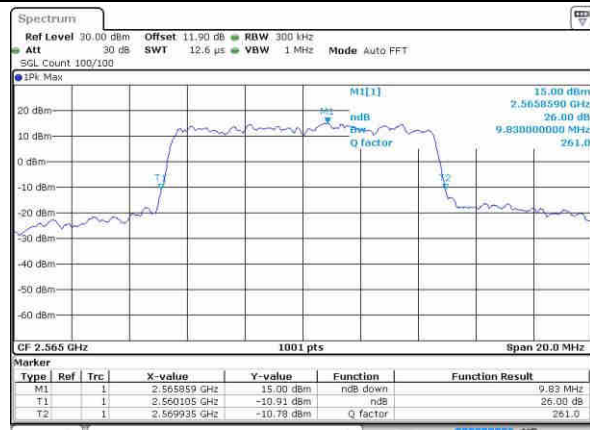
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



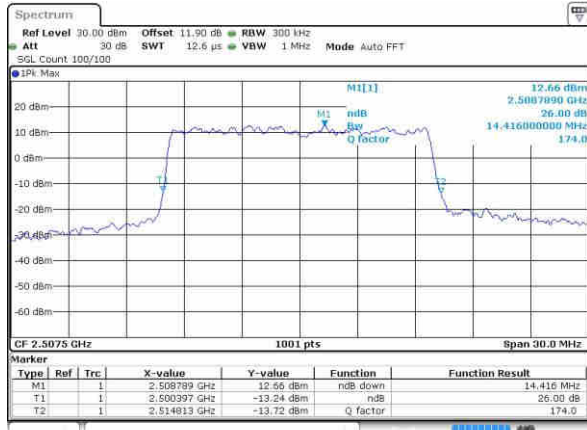
Highest Channel / 10MHz / 64QAM



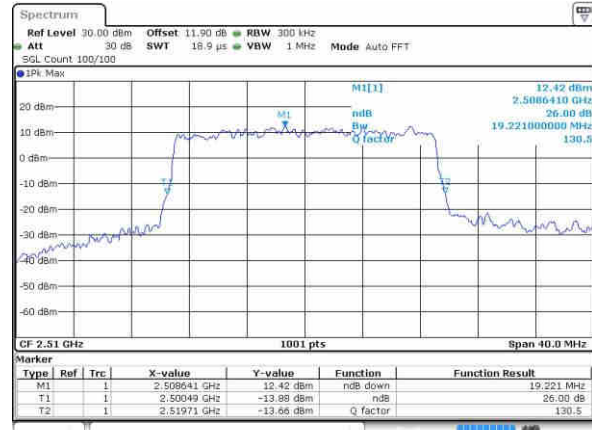


LTE Band 7

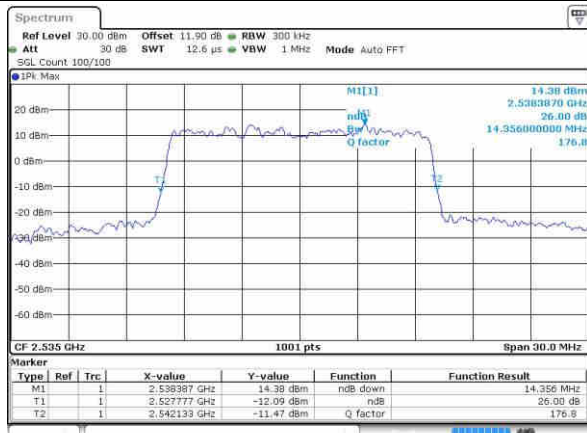
Lowest Channel / 15MHz / 64QAM



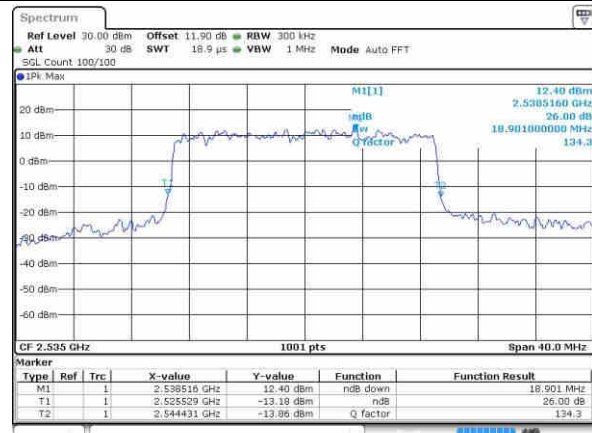
Lowest Channel / 20MHz / 64QAM



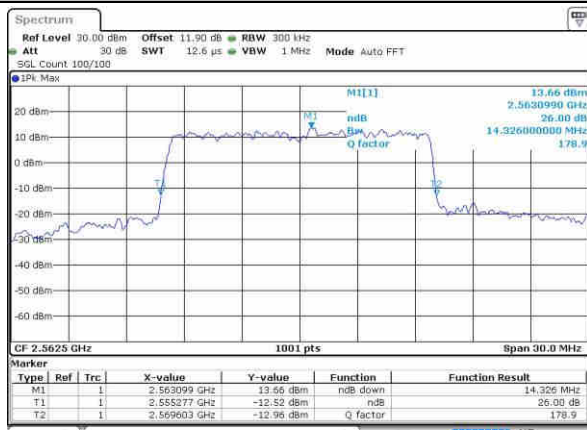
Middle Channel / 15MHz / 64QAM



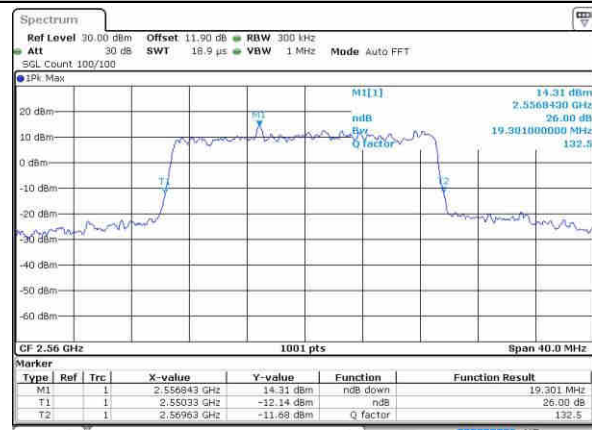
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



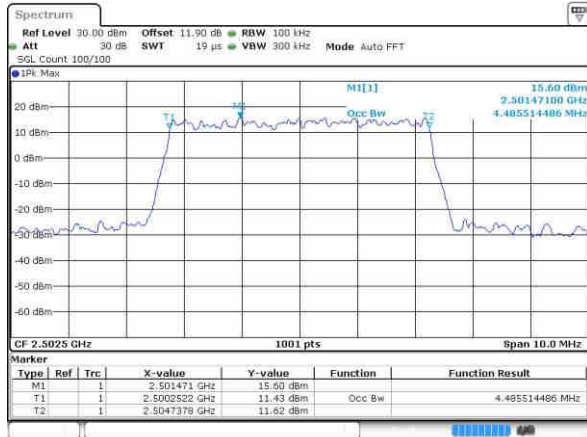
**Occupied Bandwidth**

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	9.07	9.03	13.43	13.46	17.9	17.9
Middle CH	-	-	-	-	4.49	4.5	9.01	9.03	13.37	13.49	17.78	17.94
Highest CH	-	-	-	-	4.47	4.51	9.03	8.97	13.46	13.4	17.9	17.82
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	-	9.03	-	13.46	-	17.86	-
Middle CH	-	-	-	-	4.50	-	9.05	-	13.43	-	17.86	-
Highest CH	-	-	-	-	4.50	-	9.07	-	13.46	-	17.94	-

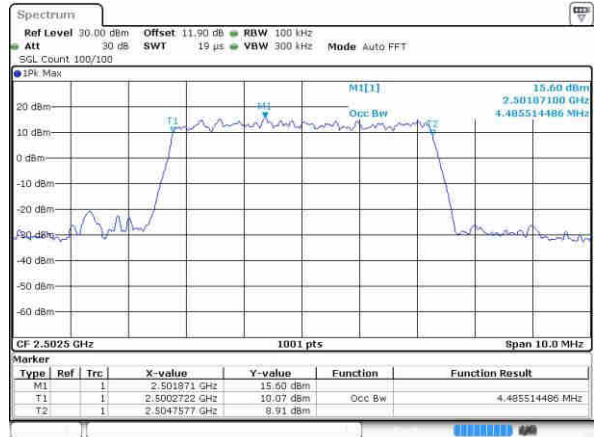


LTE Band 7

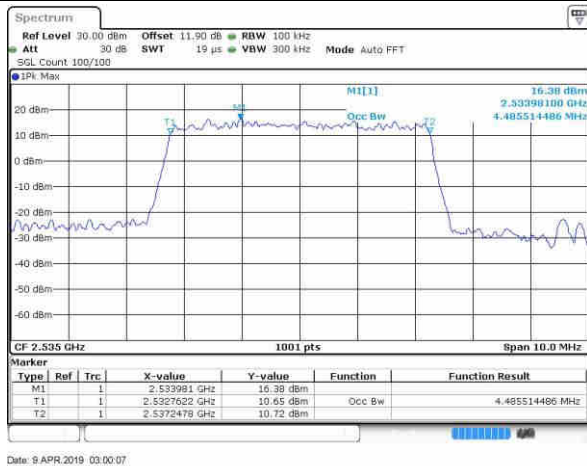
Lowest Channel / 5MHz / QPSK



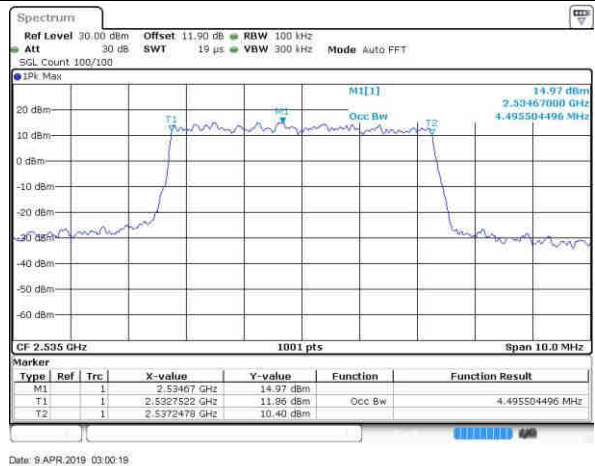
Lowest Channel / 5MHz / 16QAM



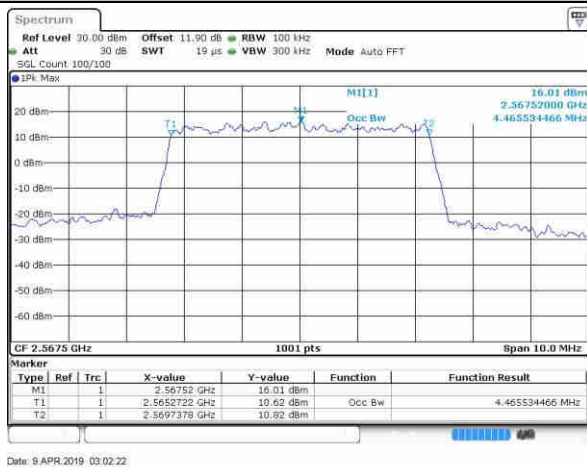
Middle Channel / 5MHz / QPSK



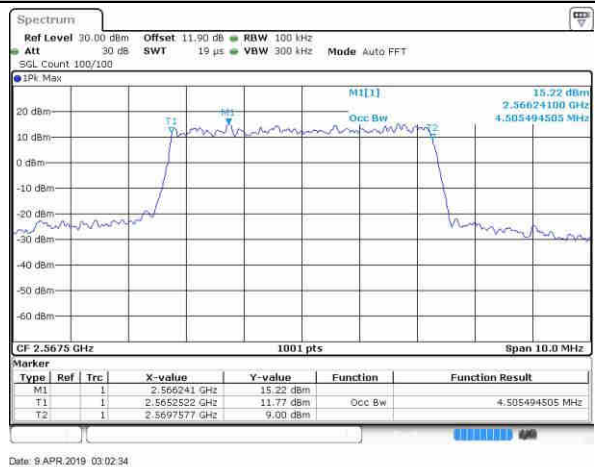
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



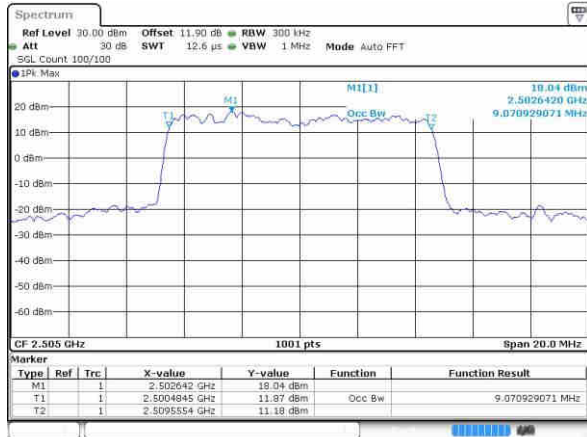
Highest Channel / 5MHz / 16QAM



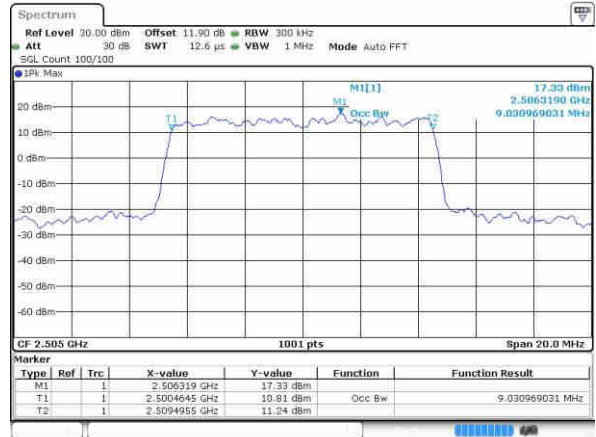


LTE Band 7

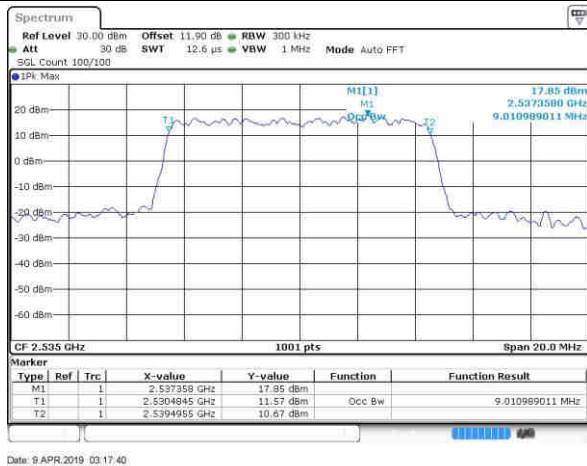
Lowest Channel / 10MHz / QPSK



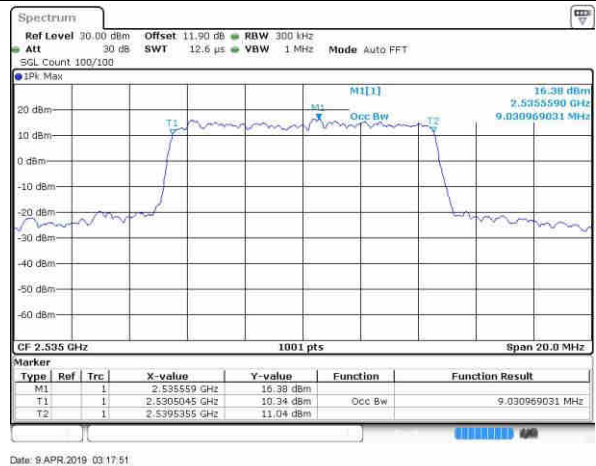
Lowest Channel / 10MHz / 16QAM



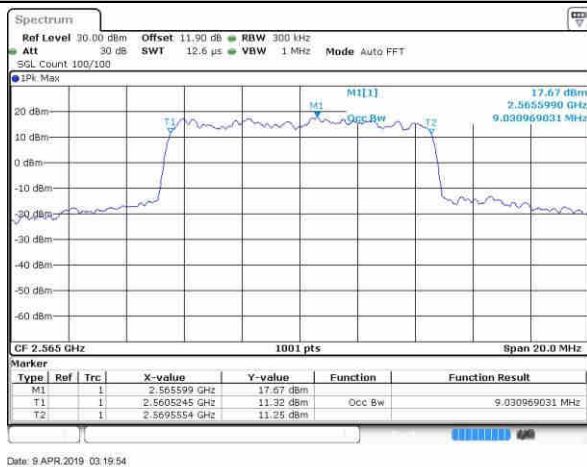
Middle Channel / 10MHz / QPSK



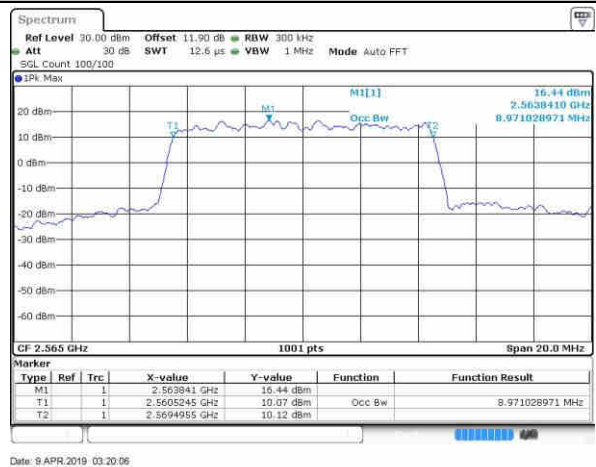
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



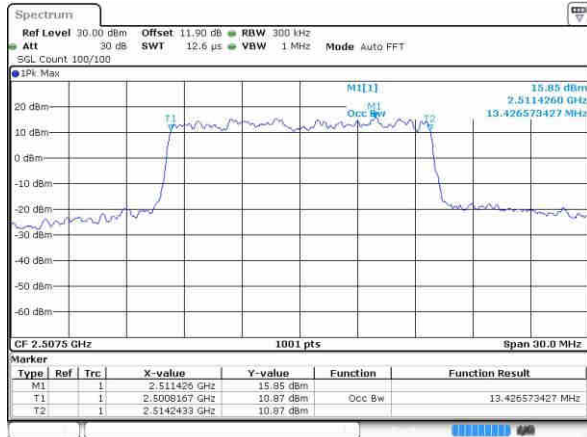
Highest Channel / 10MHz / 16QAM



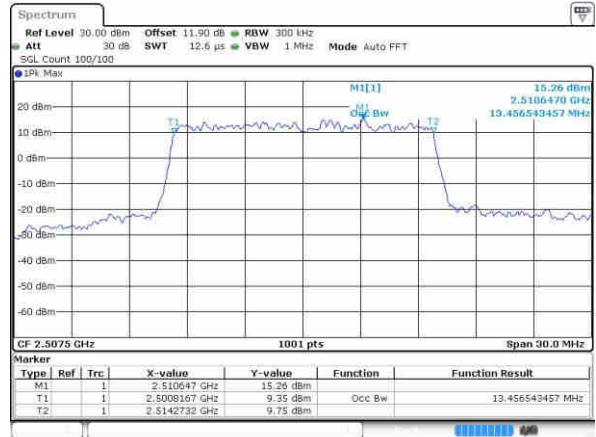


LTE Band 7

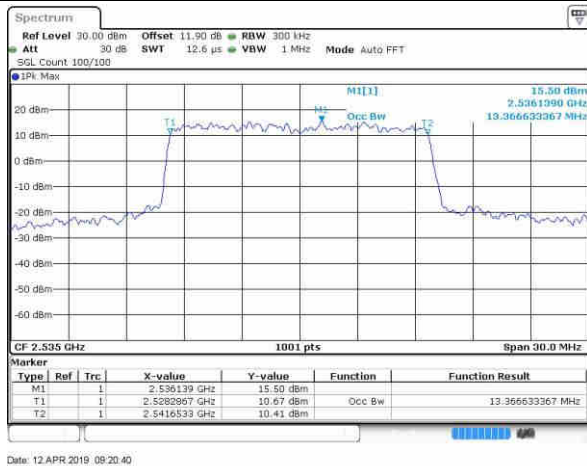
Lowest Channel / 15MHz / QPSK



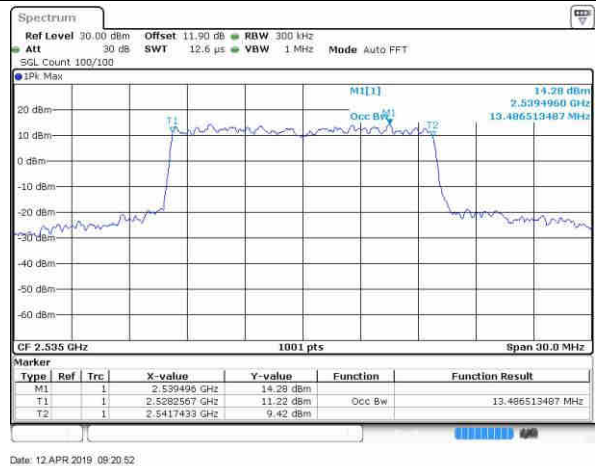
Lowest Channel / 15MHz / 16QAM



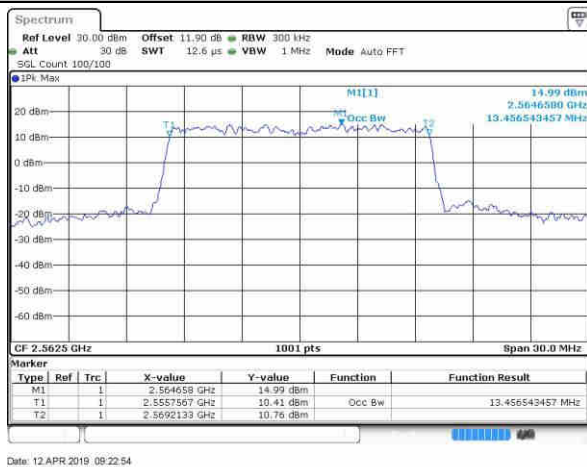
Middle Channel / 15MHz / QPSK



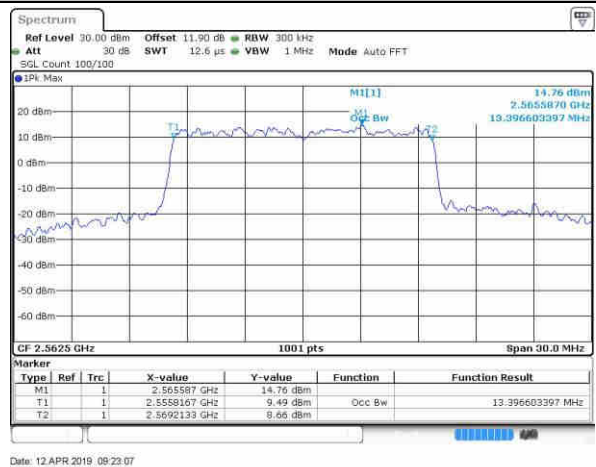
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



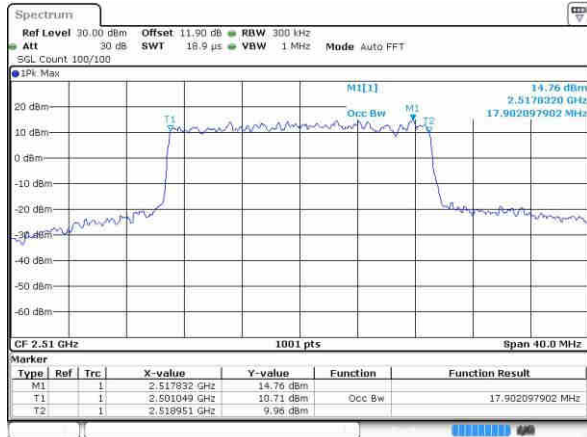
Highest Channel / 15MHz / 16QAM



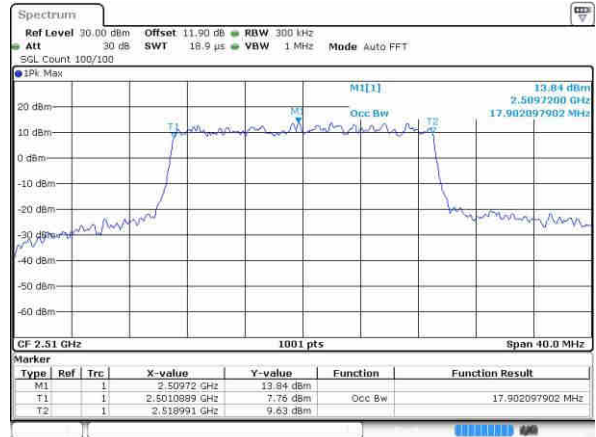


LTE Band 7

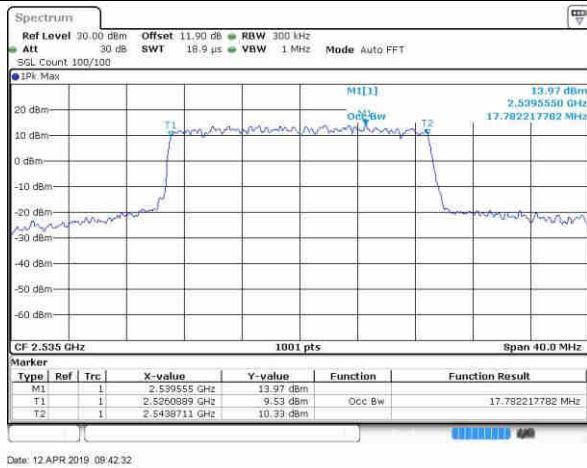
Lowest Channel / 20MHz / QPSK



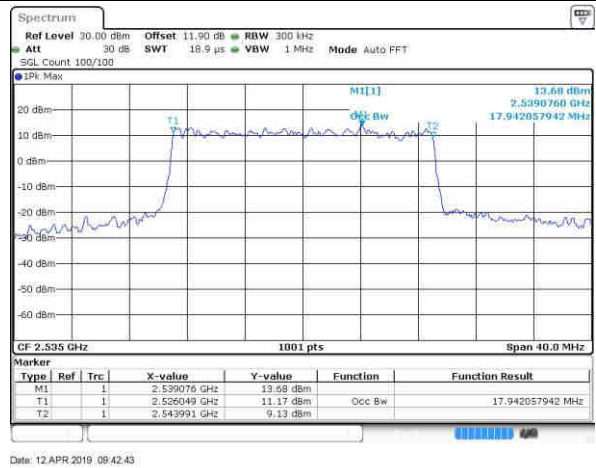
Lowest Channel / 20MHz / 16QAM



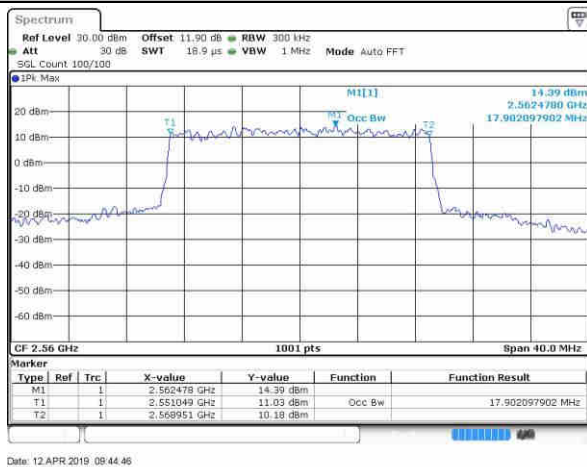
Middle Channel / 20MHz / QPSK



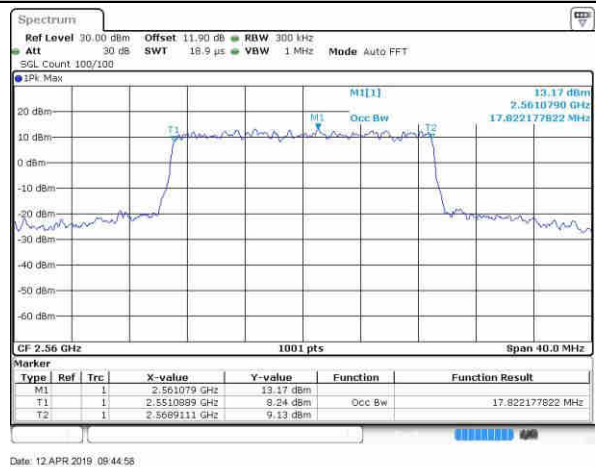
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



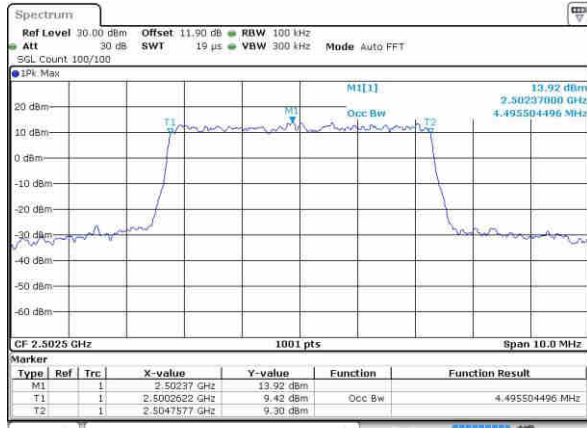
Highest Channel / 20MHz / 16QAM





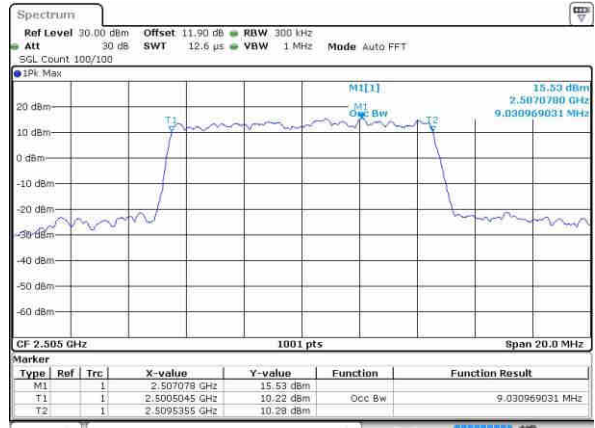
LTE Band 7

Lowest Channel / 5MHz / 64QAM



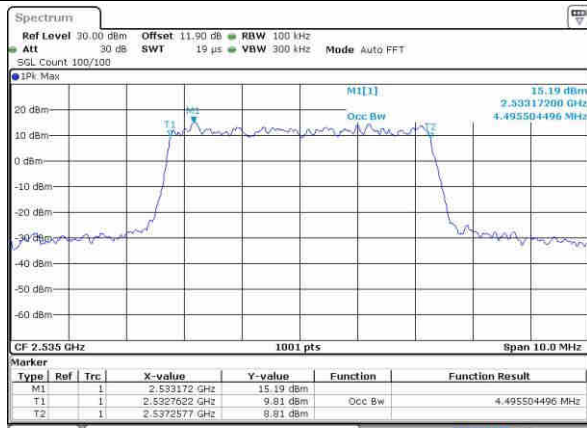
Date: 9 APR 2019 03:07:06

Lowest Channel / 10MHz / 64QAM



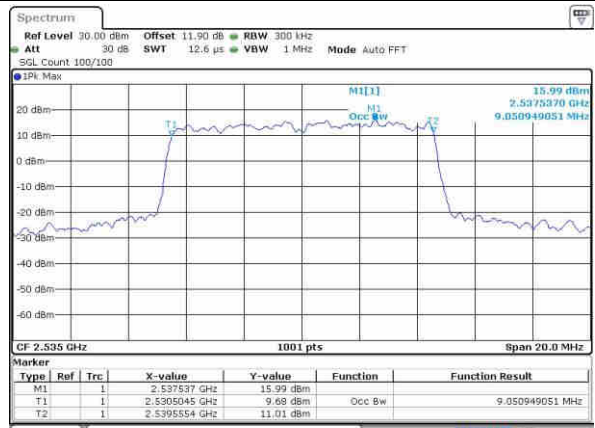
Date: 9 APR 2019 03:24:38

Middle Channel / 5MHz / 64QAM



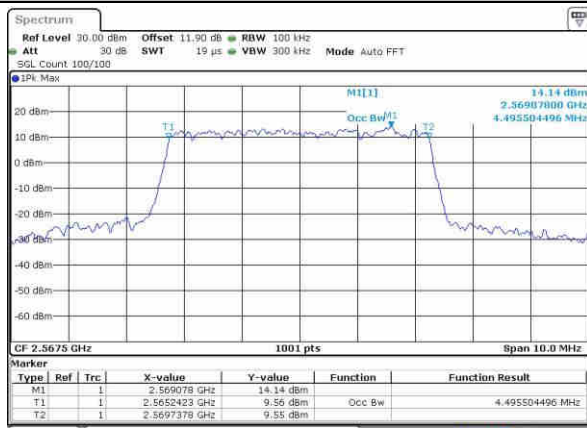
Date: 9 APR 2019 03:09:27

Middle Channel / 10MHz / 64QAM



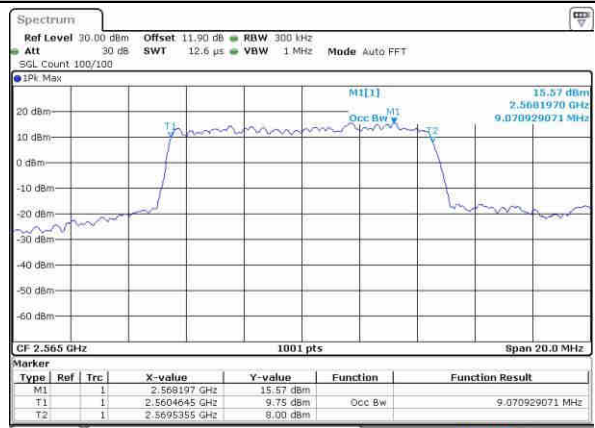
Date: 9 APR 2019 03:26:56

Highest Channel / 5MHz / 64QAM



Date: 9 APR 2019 03:10:33

Highest Channel / 10MHz / 64QAM

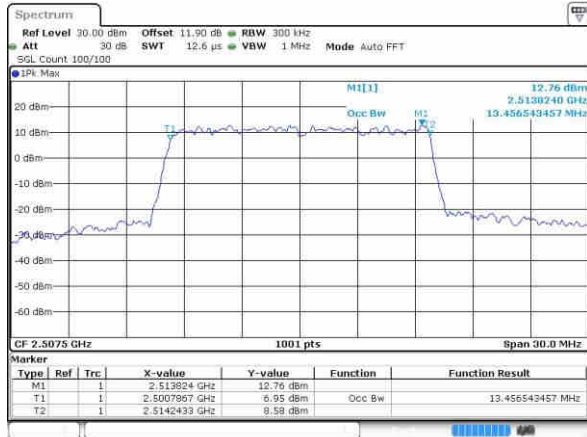


Date: 9 APR 2019 03:28:06

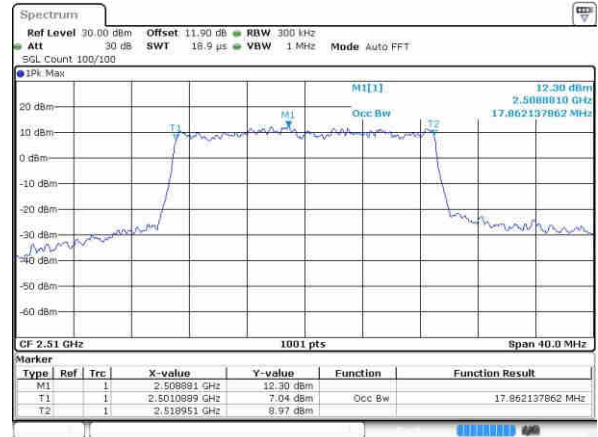


LTE Band 7

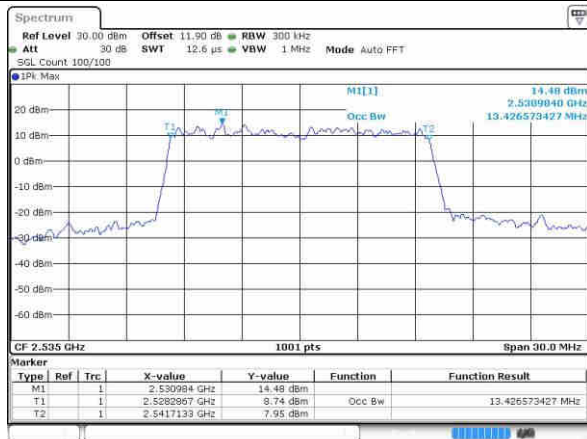
Lowest Channel / 15MHz / 64QAM



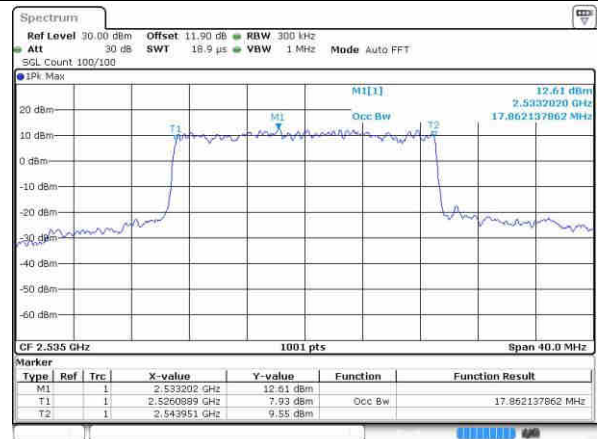
Lowest Channel / 20MHz / 64QAM



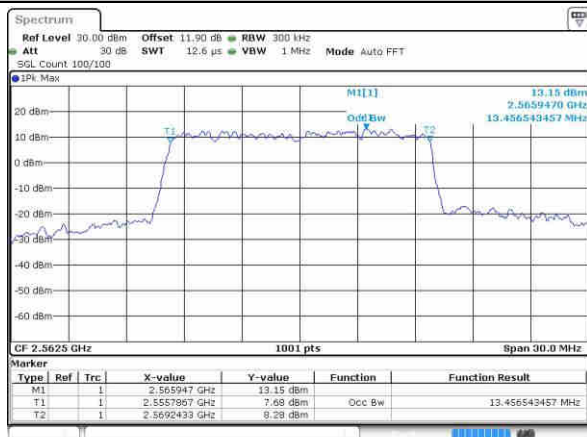
Middle Channel / 15MHz / 64QAM



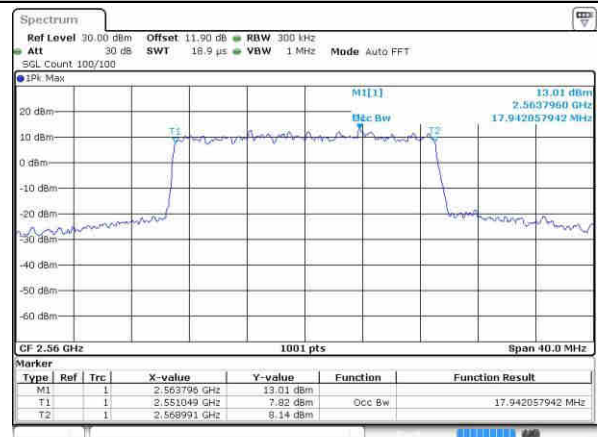
Middle Channel / 20MHz / 64QAM

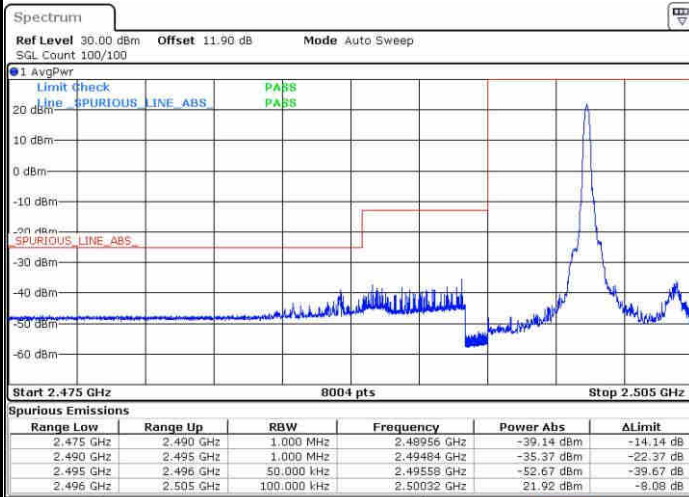
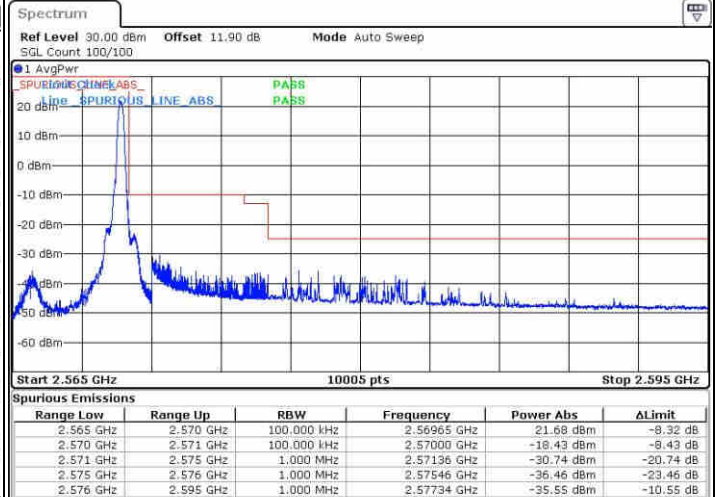
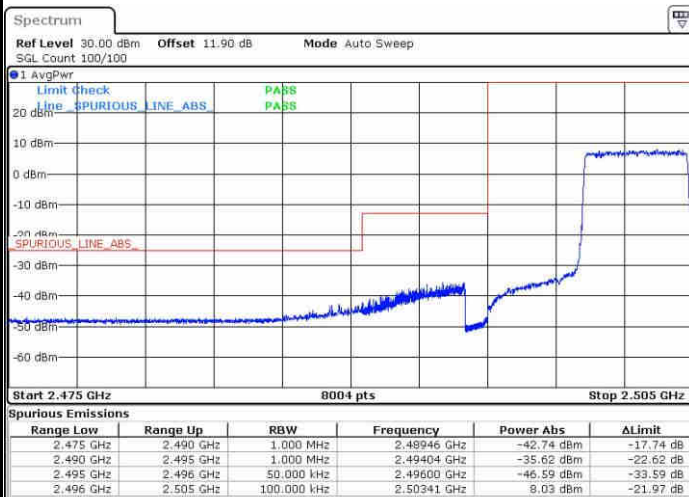
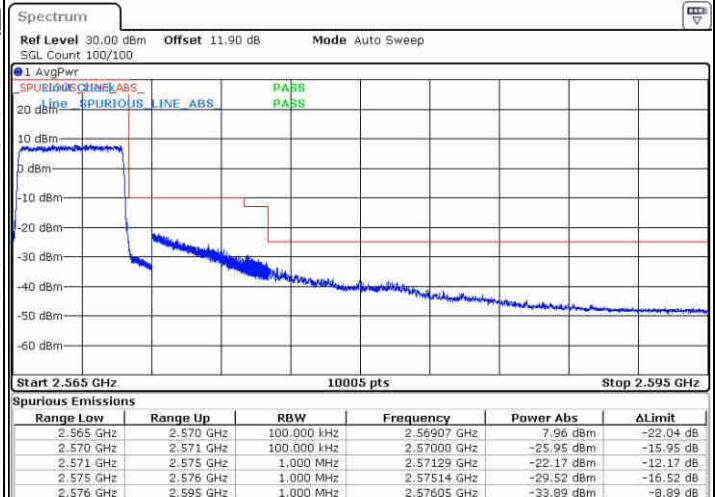


Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

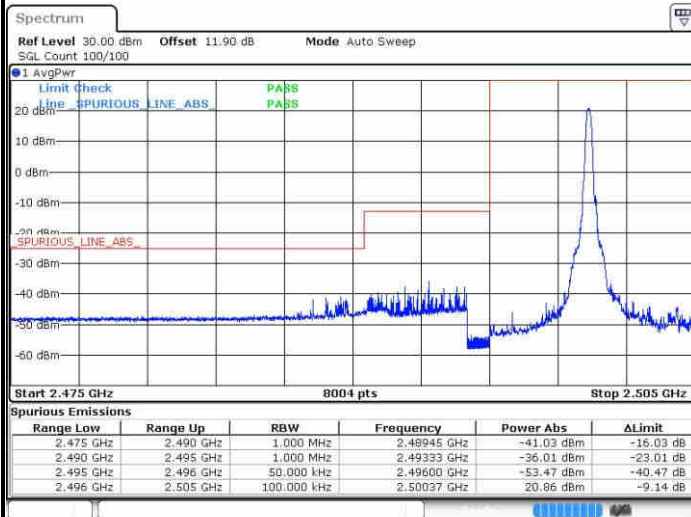


**Conducted Band Edge****LTE Band 7 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

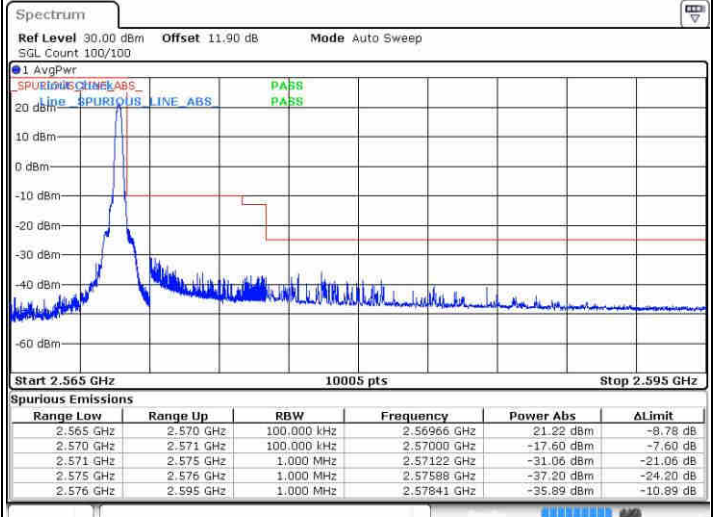


LTE Band 7 / 5MHz / 16QAM

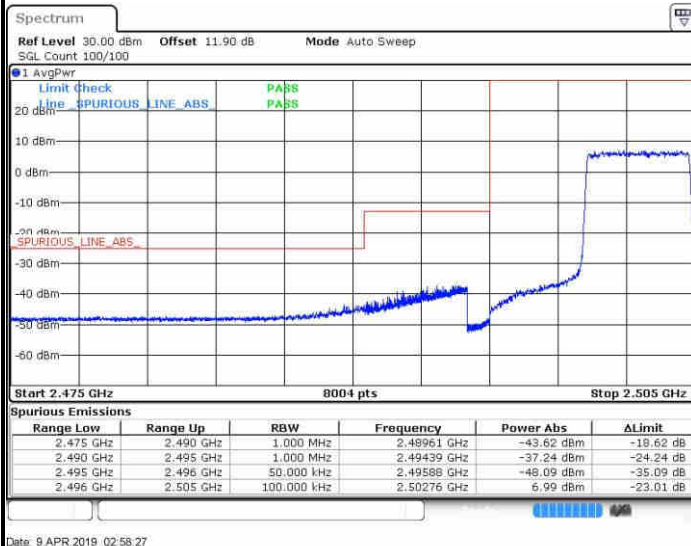
Lowest Band Edge / 1 RB



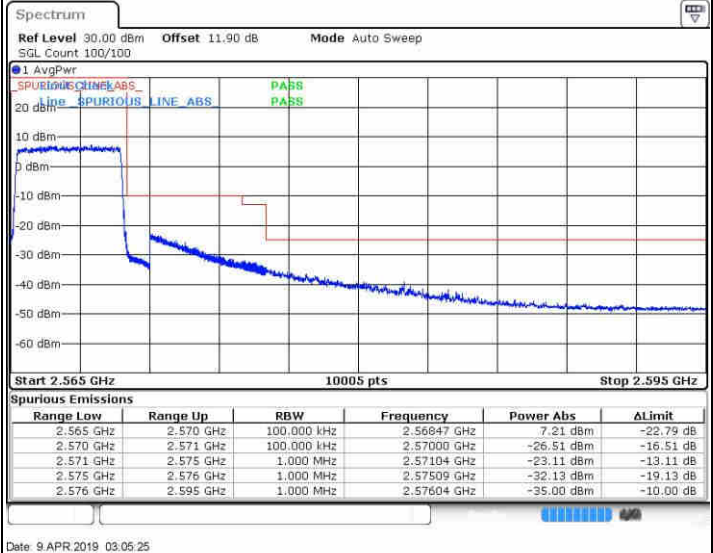
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



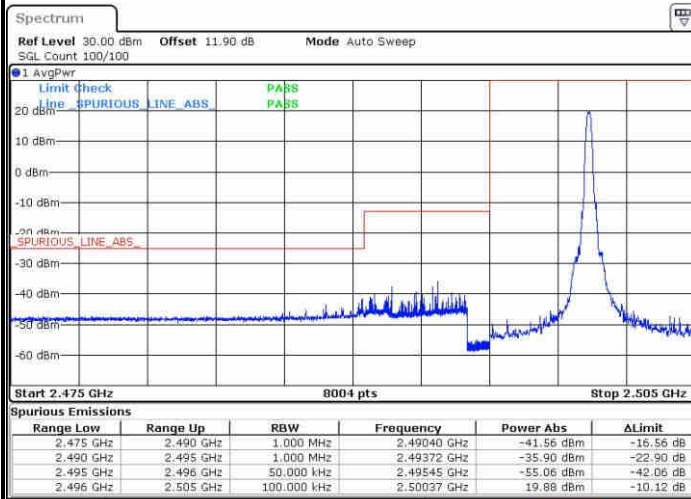
Highest Band Edge / Full RB



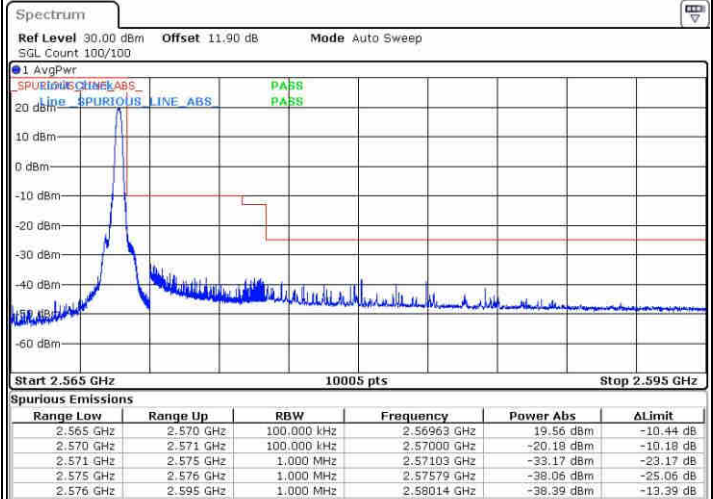


LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



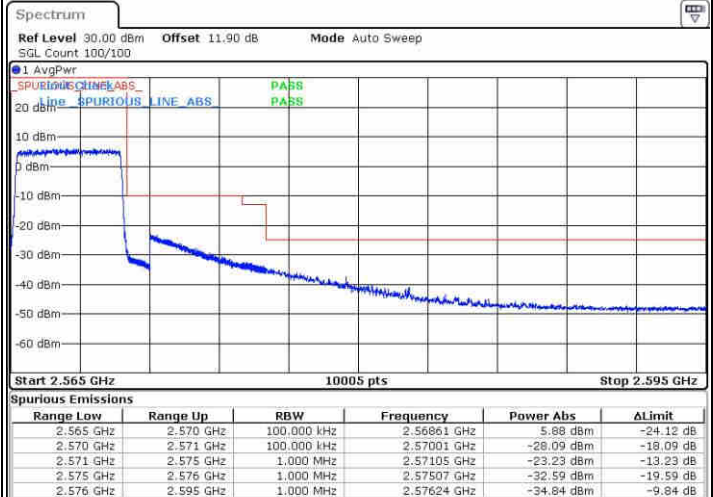
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



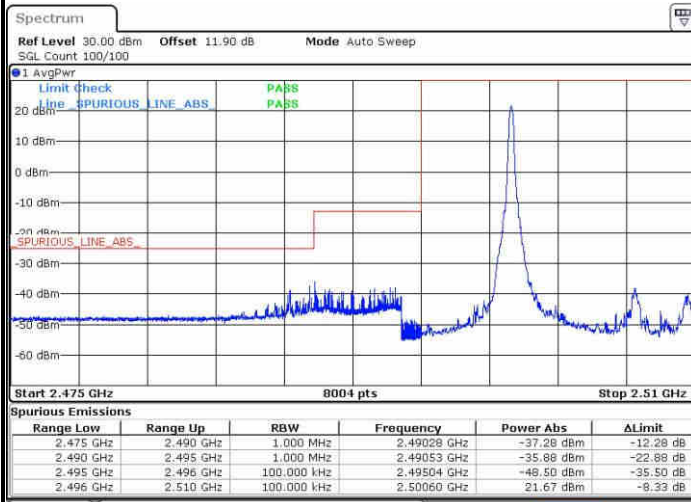
Highest Band Edge / Full RB



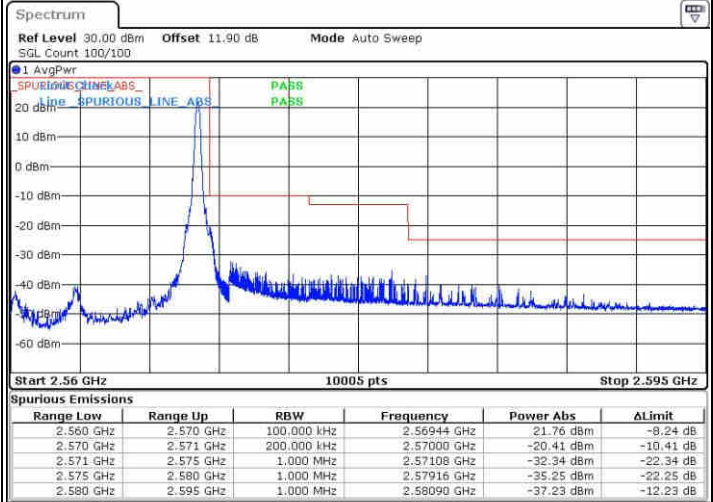


LTE Band 7 / 10MHz / QPSK

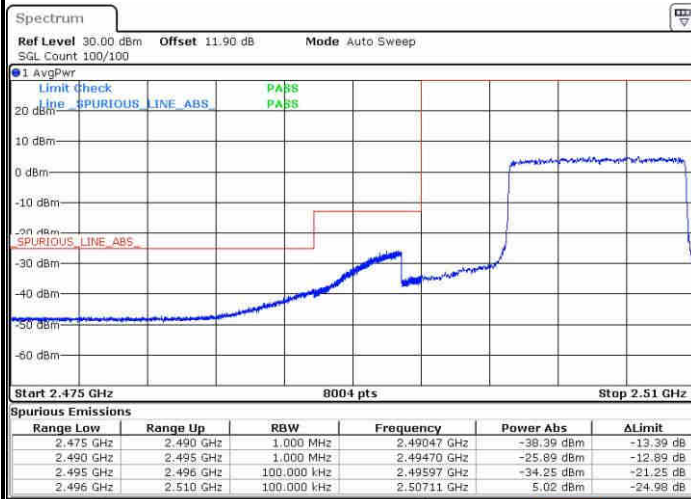
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



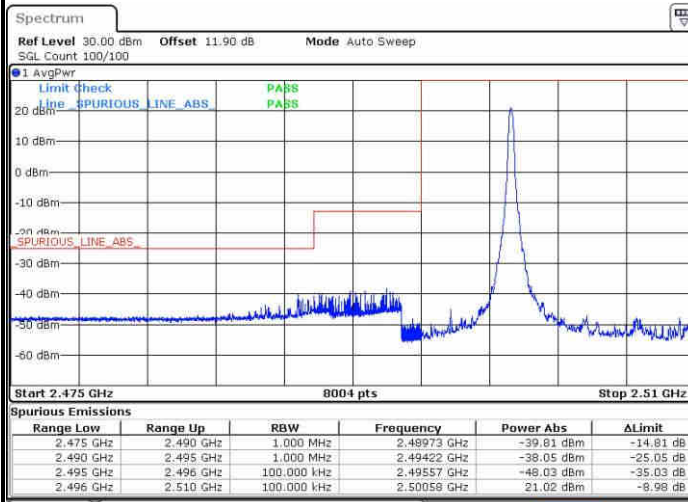
Highest Band Edge / Full RB



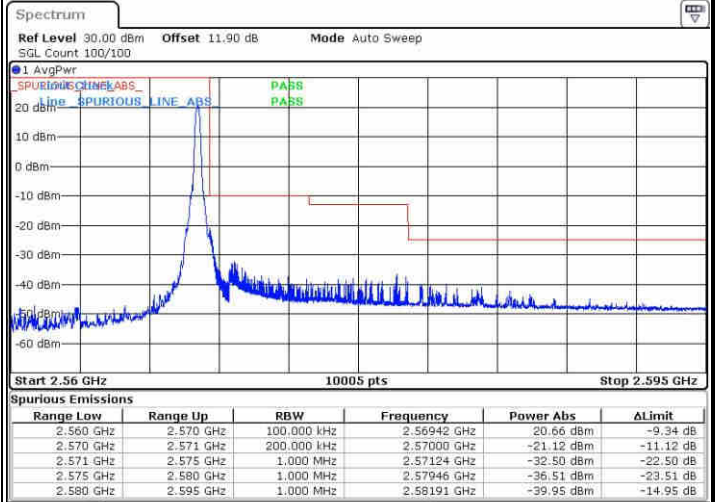


LTE Band 7 / 10MHz / 16QAM

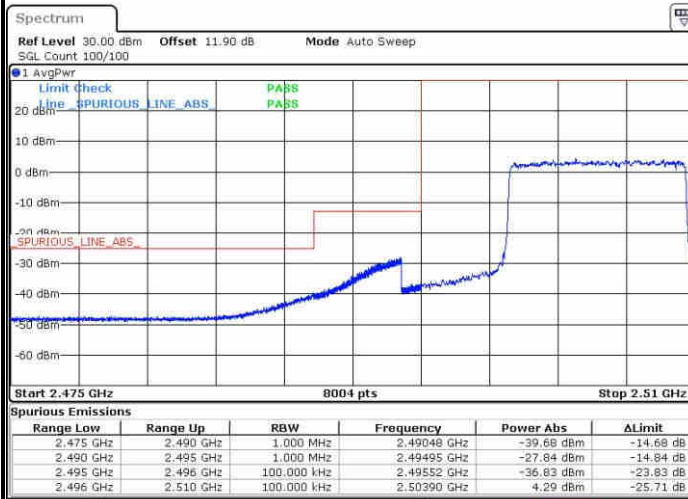
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



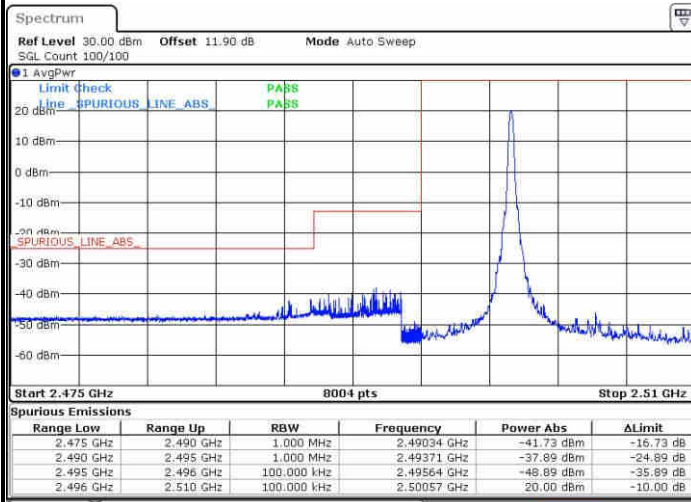
Highest Band Edge / Full RB



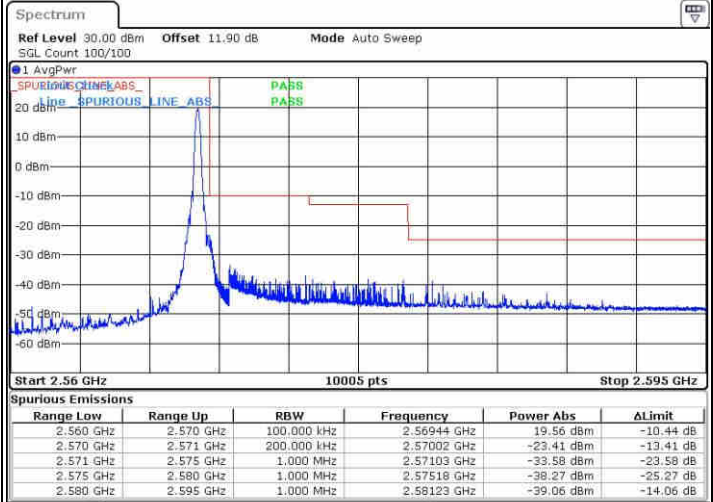


LTE Band 7 / 10MHz / 64QAM

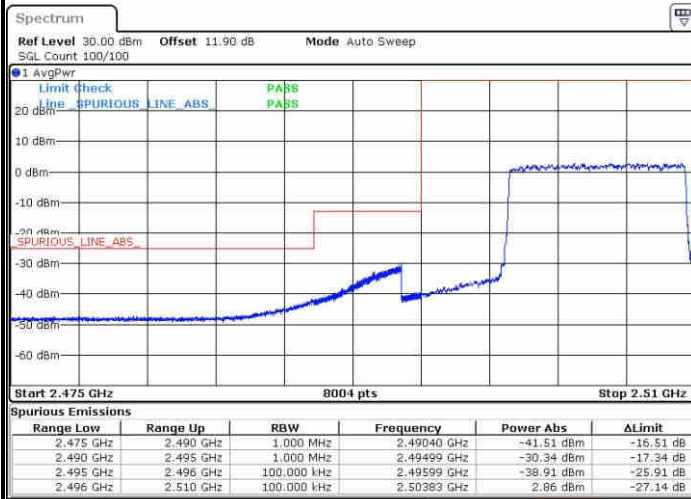
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

