

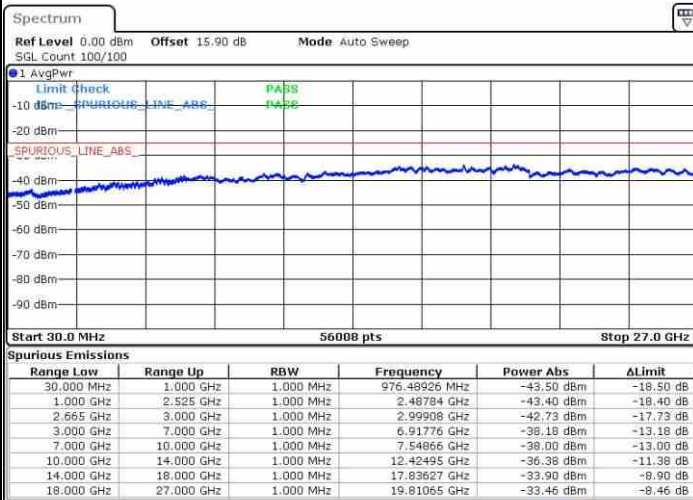


LTE Band 38 / 15MHz+15MHz

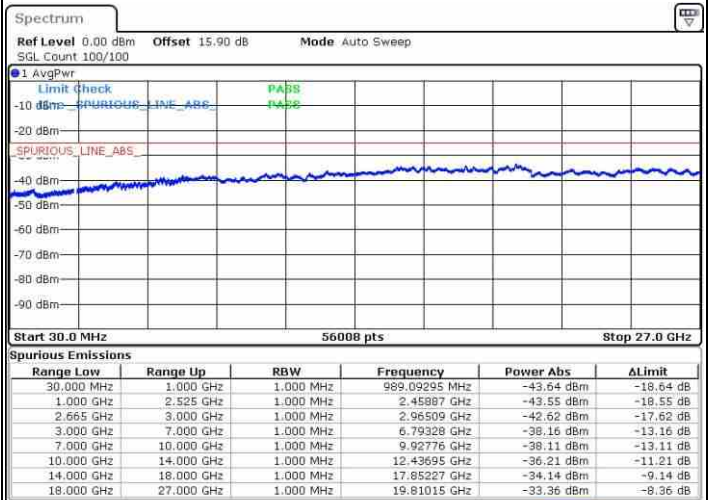
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



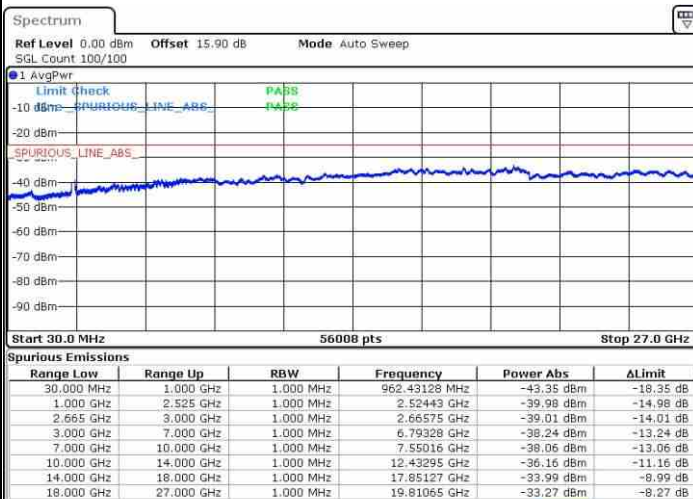
Date: 2 MAR 2019 00:01:39



Date: 2 MAR 2019 01:04:05

Lowest Channel / FullRB

N/A



Date: 2 MAR 2019 00:07:45

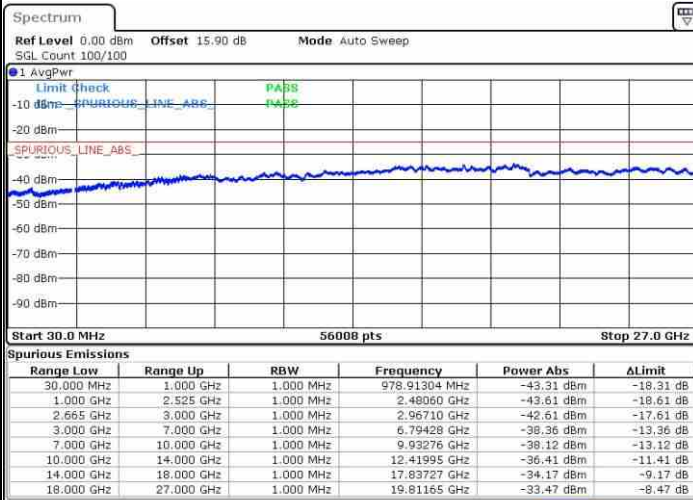


LTE Band 38 / 15MHz+15MHz

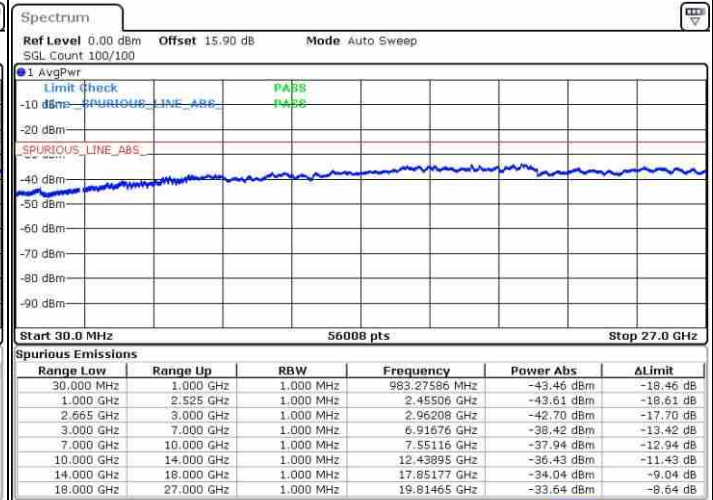
QPSK

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



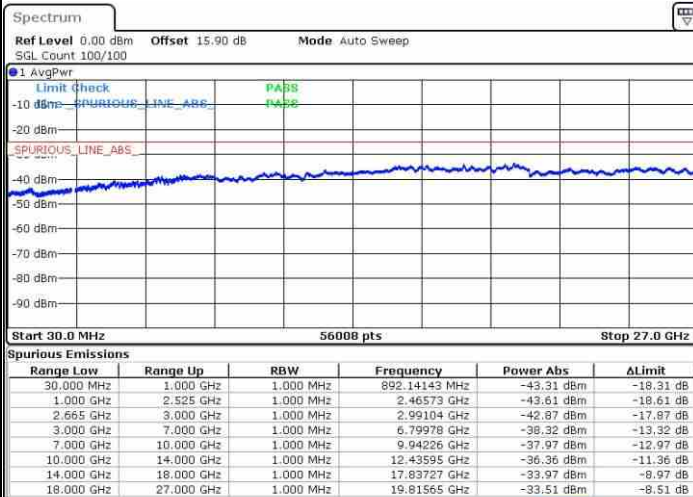
Date: 2 MAR 2019 01:12:33



Date: 2 MAR 2019 01:13:30

Middle Channel / FullRB

N/A



Date: 2 MAR 2019 01:07:45

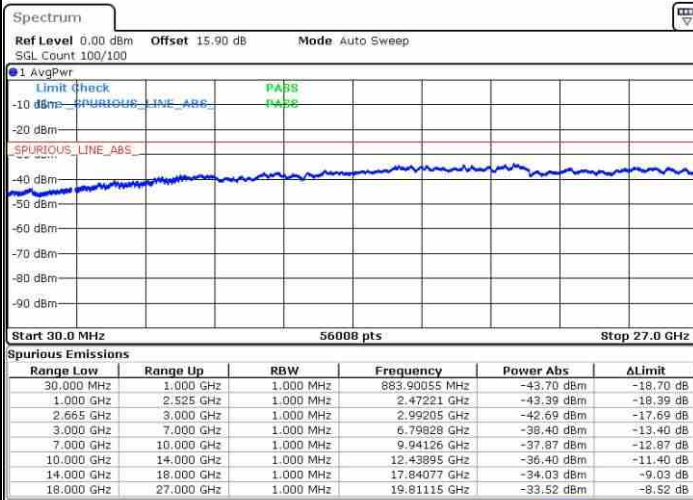


LTE Band 38 / 15MHz+15MHz

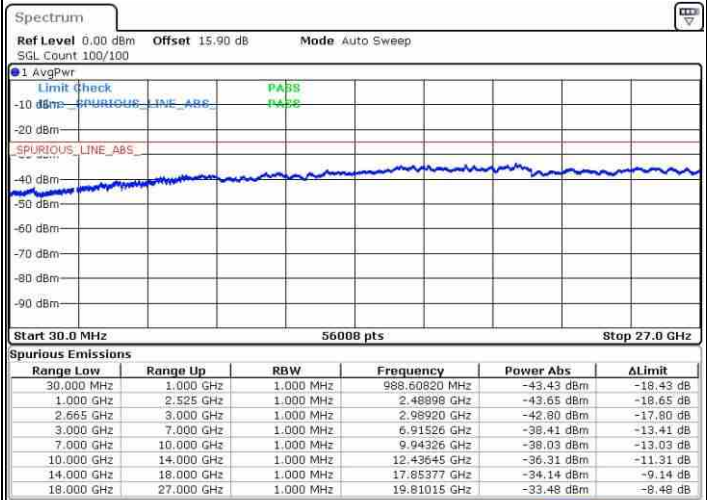
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



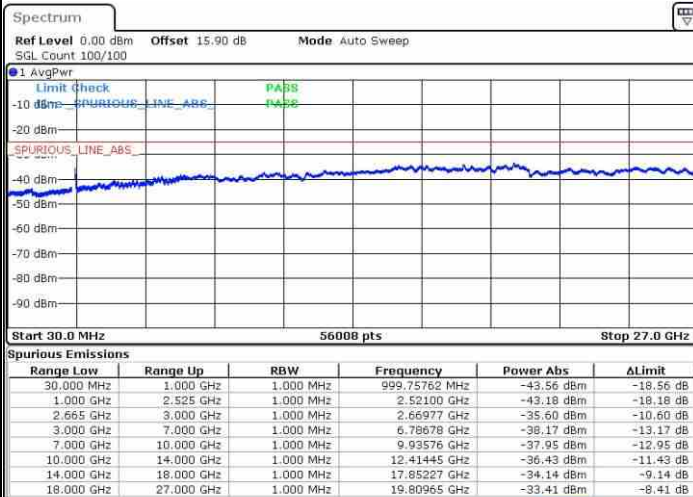
Date: 2 MAR 2019 00:53:13



Date: 2 MAR 2019 00:46:51

Highest Channel / FullIRB

N/A



Date: 2 MAR 2019 00:54:26

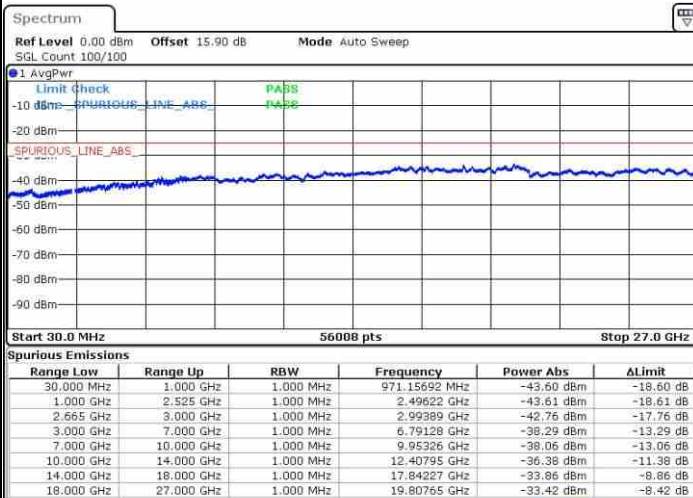


LTE Band 38 / 20MHz+20MHz

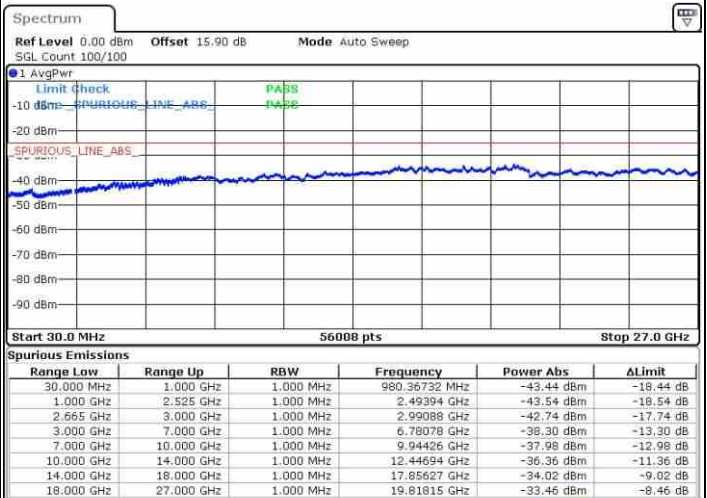
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



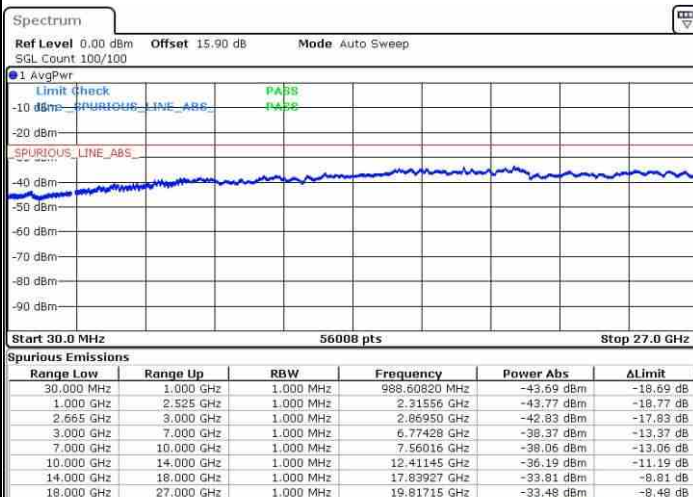
Date: 2 MAR 2019 01:28:48



Date: 2 MAR 2019 01:27:50

Lowest Channel / FullRB

N/A



Date: 2 MAR 2019 01:35:30

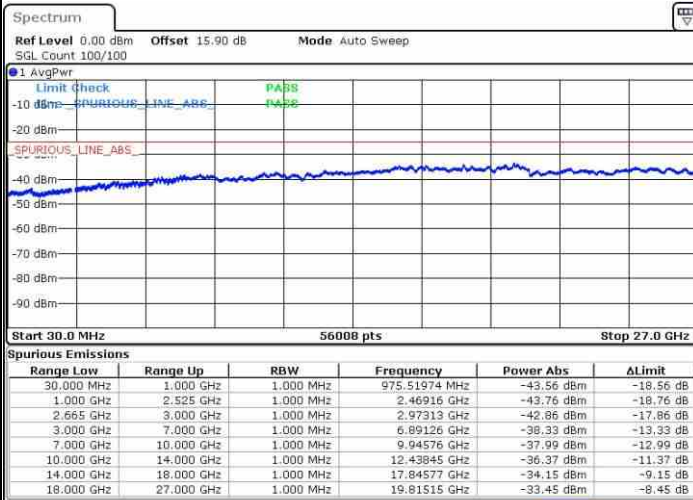


LTE Band 38 / 20MHz+20MHz

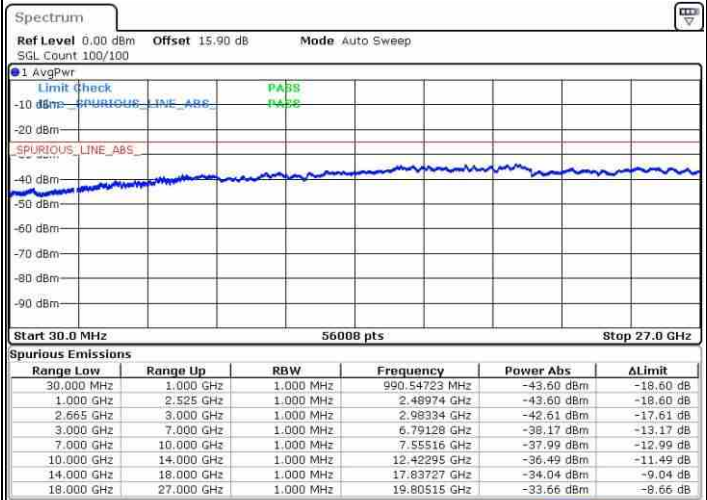
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



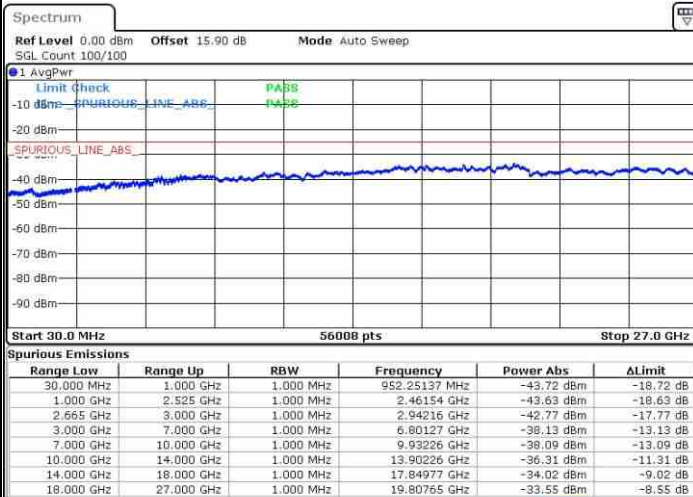
Date: 2 MAR 2019 01:41:15



Date: 2 MAR 2019 01:42:13

Middle Channel / FullRB

N/A



Date: 2 MAR 2019 01:36:28

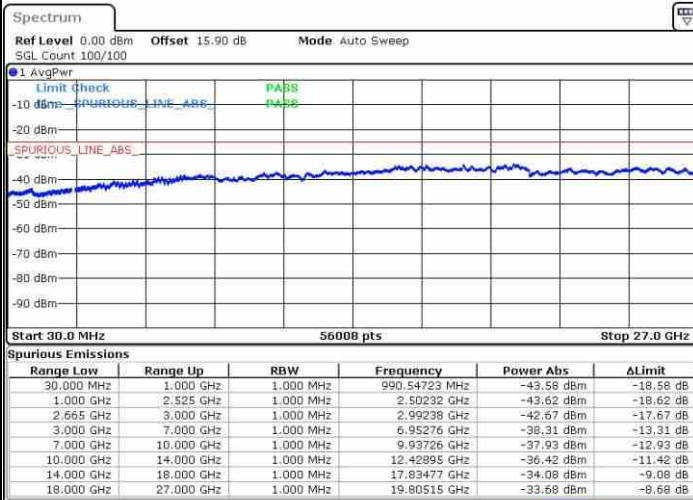


LTE Band 38 / 20MHz+20MHz

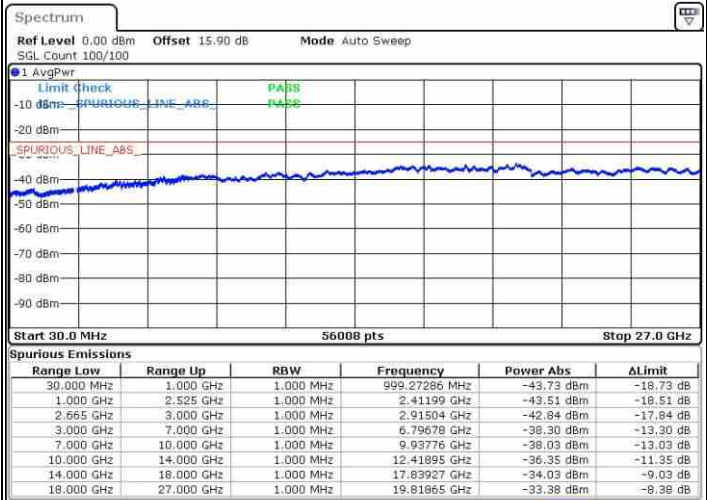
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



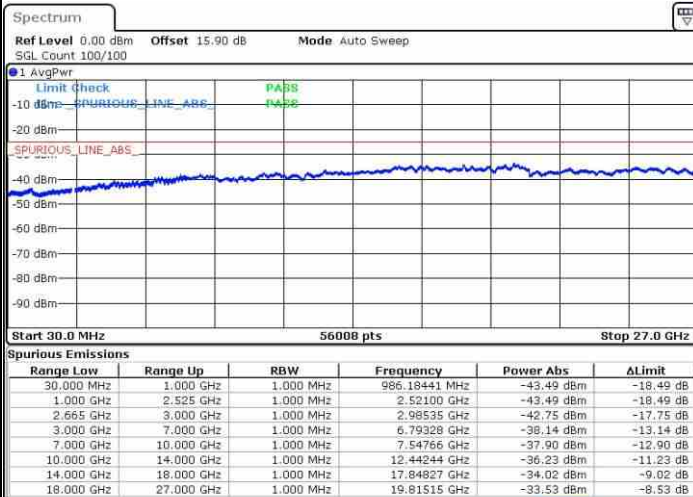
Date: 2 MAR 2019 01:22:04



Date: 2 MAR 2019 01:17:17

Highest Channel / FullIRB

N/A



Date: 2 MAR 2019 01:23:01

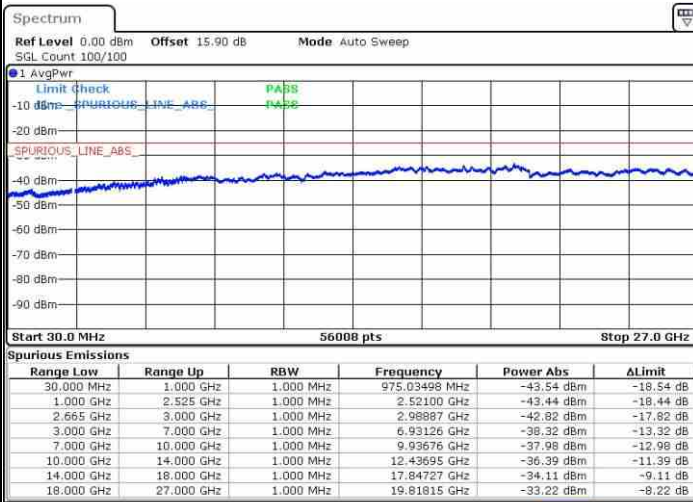


LTE Band 38 / 15MHz+15MHz

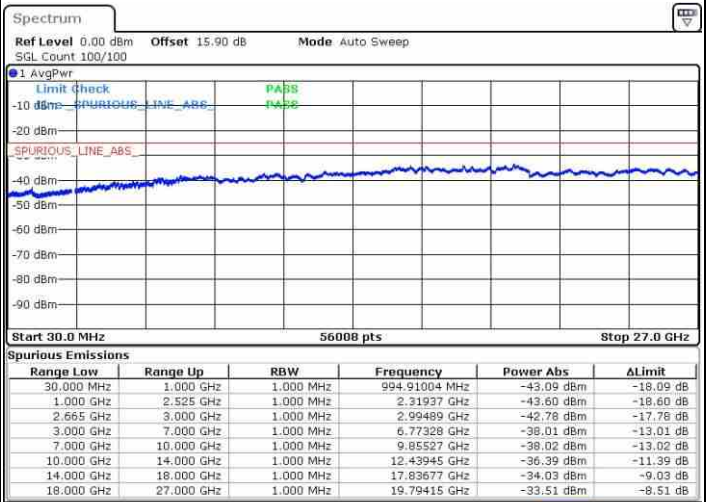
16QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



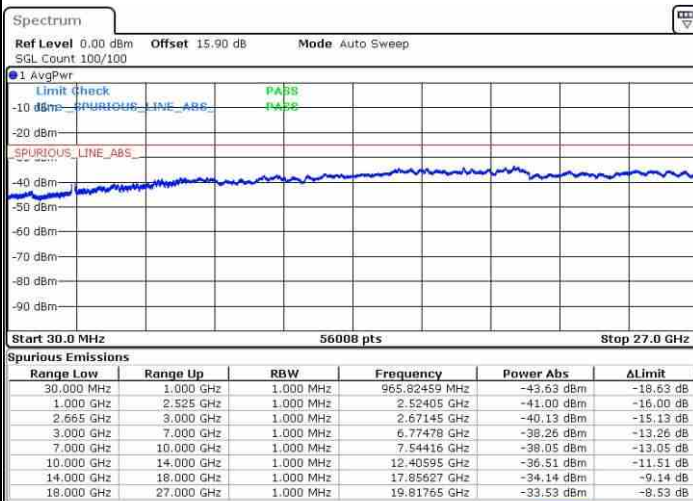
Date: 2 MAR 2019 00:02:52



Date: 2 MAR 2019 01:03:07

Lowest Channel / FullRB

N/A



Date: 2 MAR 2019 00:06:32

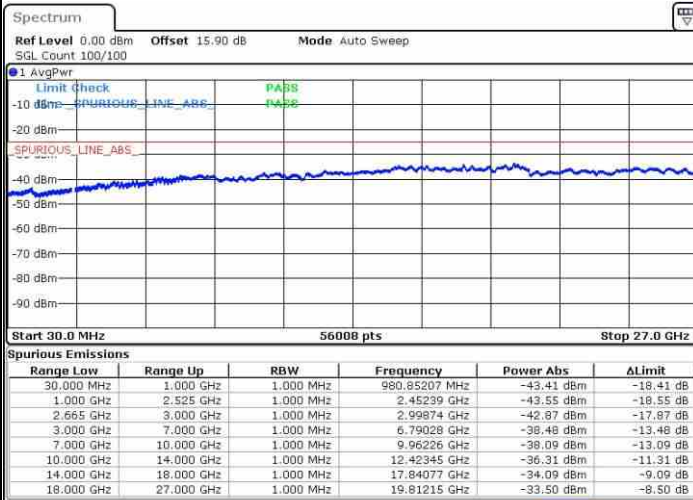


LTE Band 38 / 15MHz+15MHz

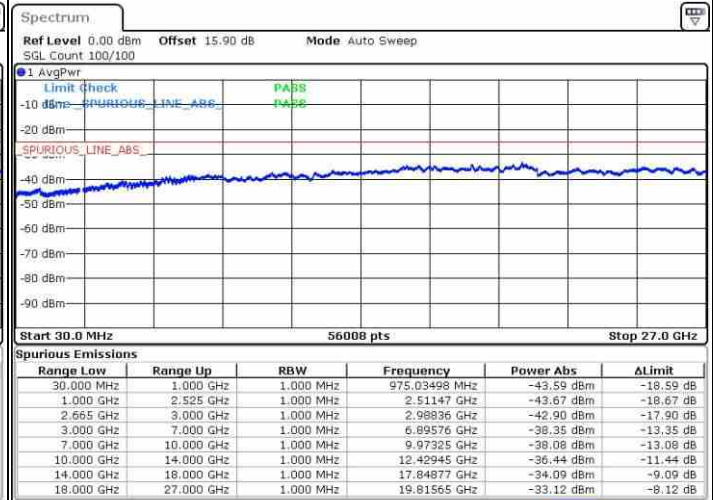
16QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



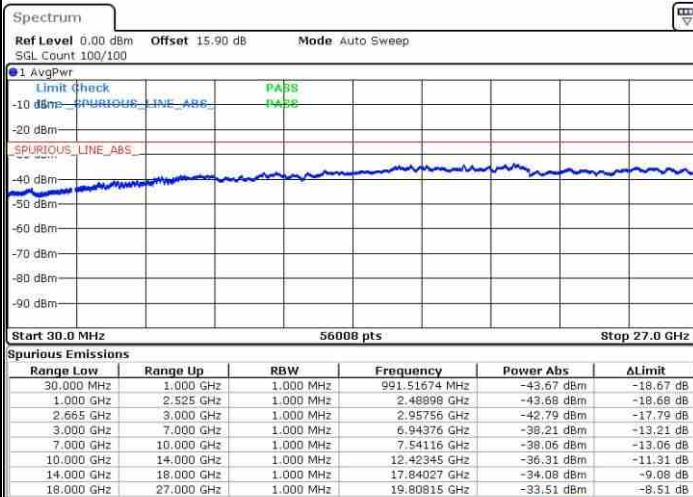
Date: 2 MAR 2019 01:11:35



Date: 2 MAR 2019 01:14:28

Middle Channel / FullIRB

N/A



Date: 2 MAR 2019 01:08:43

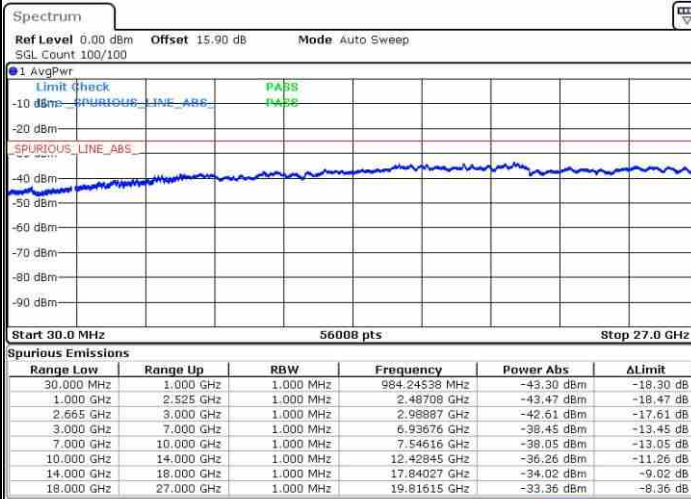


LTE Band 38 / 15MHz+15MHz

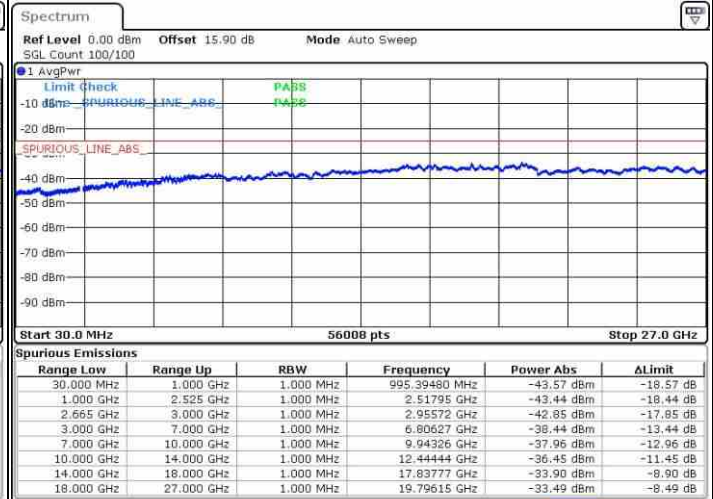
16QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



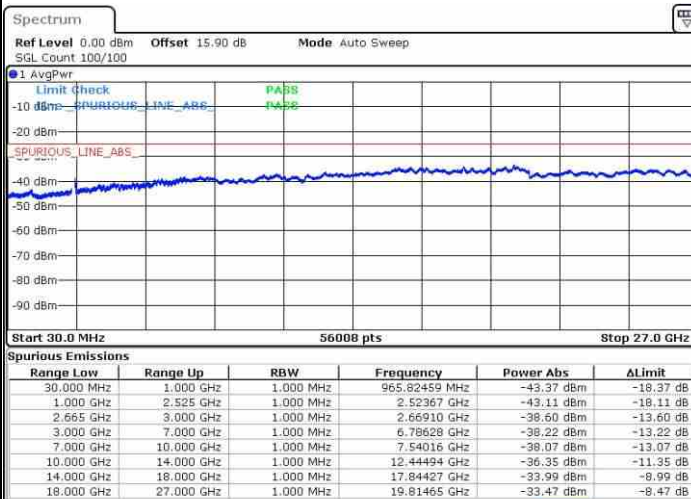
Date: 2.MAR.2019 00:52:00



Date: 2.MAR.2019 00:48:13

Highest Channel / FullIRB

N/A



Date: 2.MAR.2019 00:55:40

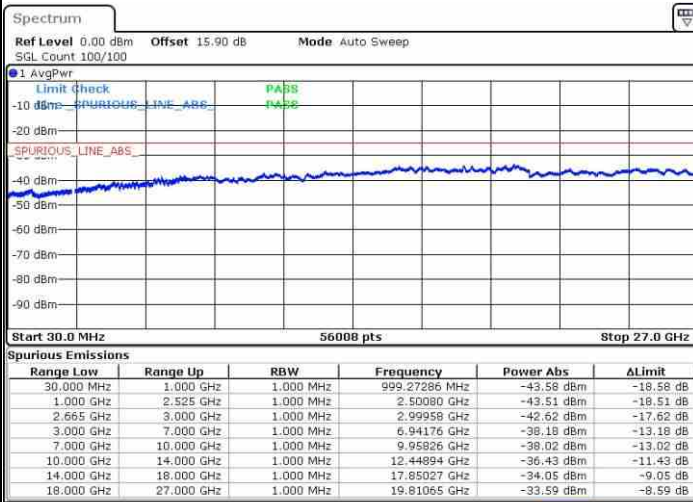


LTE Band 38 / 20MHz+20MHz

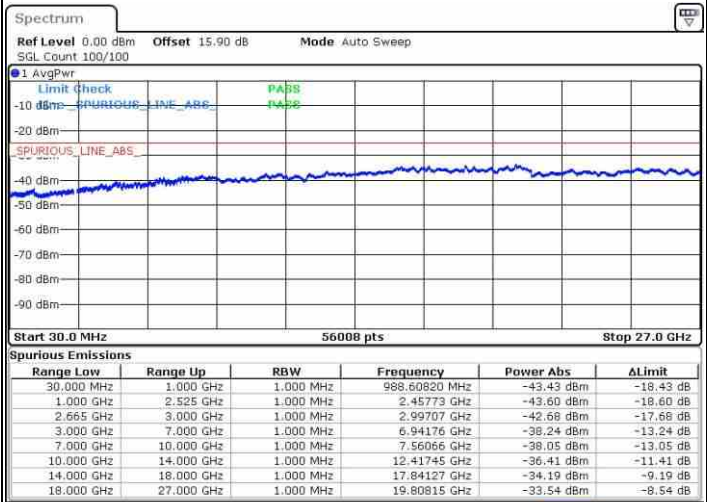
16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



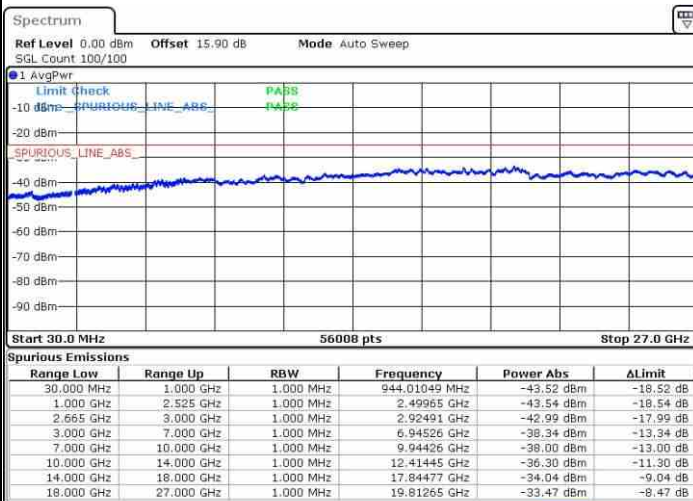
Date: 2 MAR 2019 01:29:45



Date: 2 MAR 2019 01:26:53

Lowest Channel / FullRB

N/A



Date: 2 MAR 2019 01:34:33

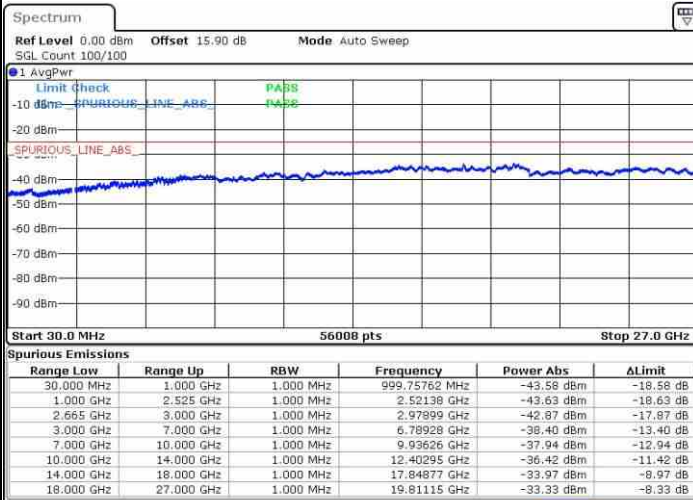


LTE Band 38 / 20MHz+20MHz

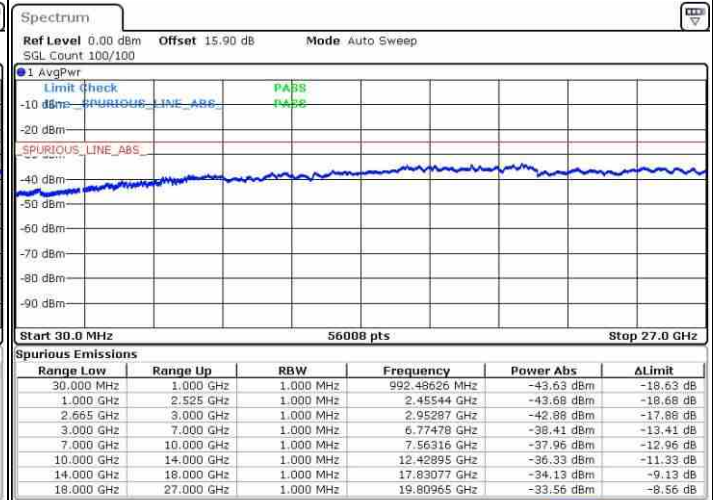
16QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



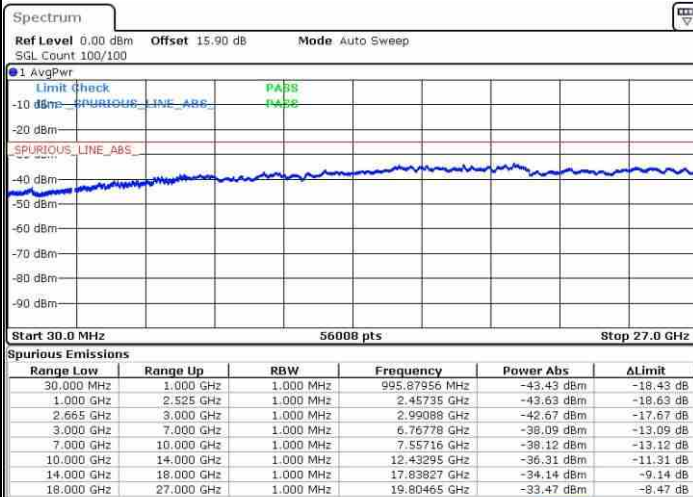
Date: 2 MAR 2019 01:40:18



Date: 2 MAR 2019 01:43:10

Middle Channel / FullRB

N/A



Date: 2 MAR 2019 01:37:25

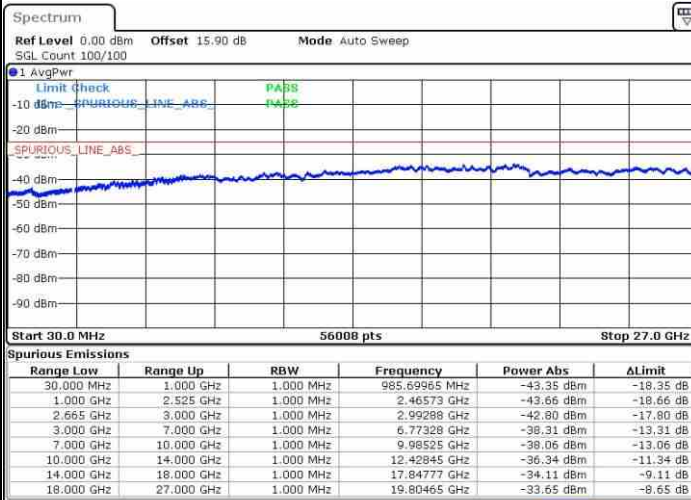


LTE Band 38 / 20MHz+20MHz

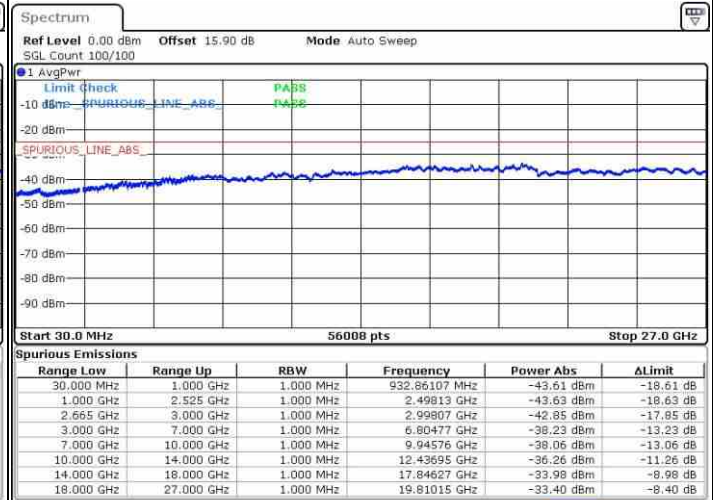
16QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



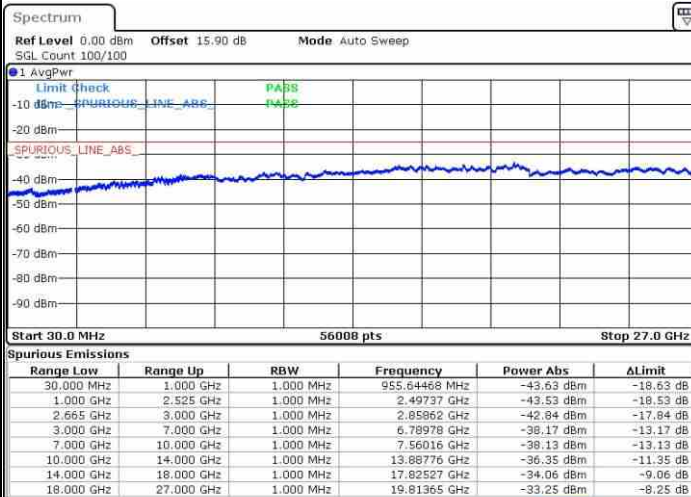
Date: 2 MAR 2019 01:21:07



Date: 2 MAR 2019 01:18:14

Highest Channel / FullRB

N/A



Date: 2 MAR 2019 01:24:01

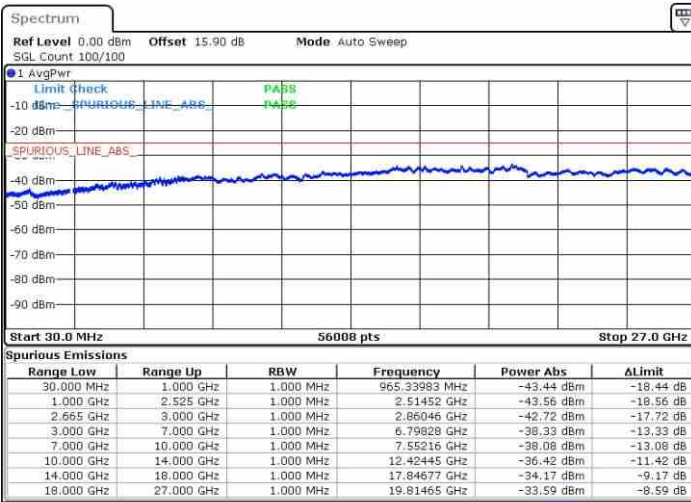


LTE Band 38 / 15MHz+15MHz

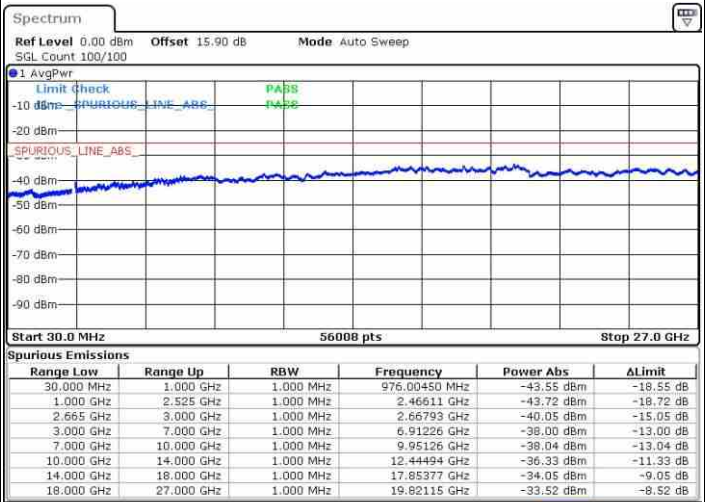
64QAM

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



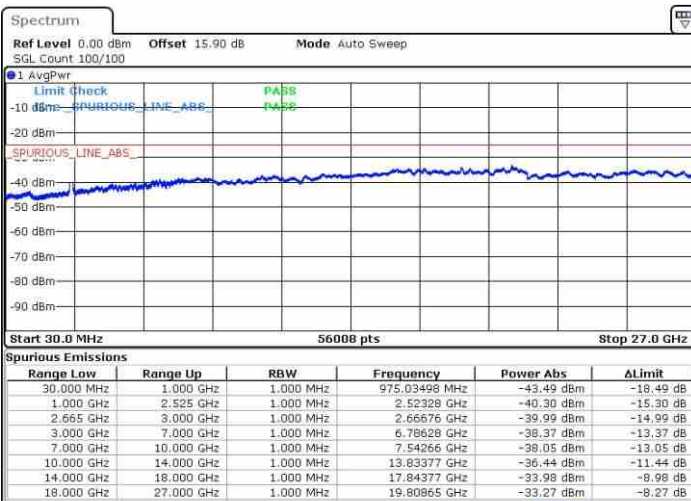
Date: 2 MAR 2019 00:04:05



Date: 2 MAR 2019 01:02:10

Lowest Channel / FullRB

N/A



Date: 2 MAR 2019 00:05:19

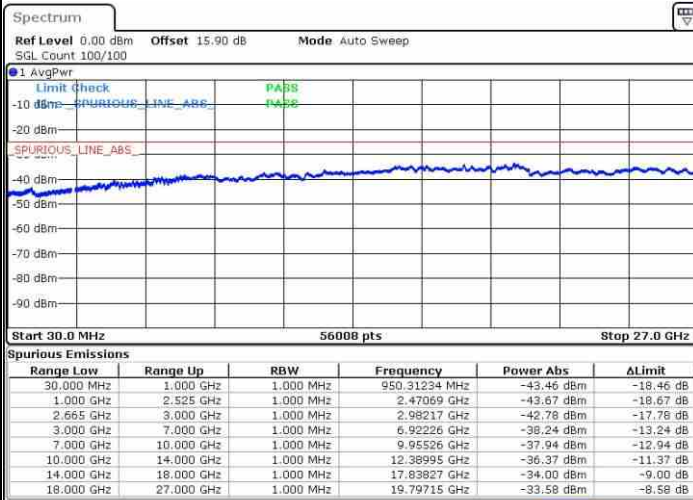


LTE Band 38 / 15MHz+15MHz

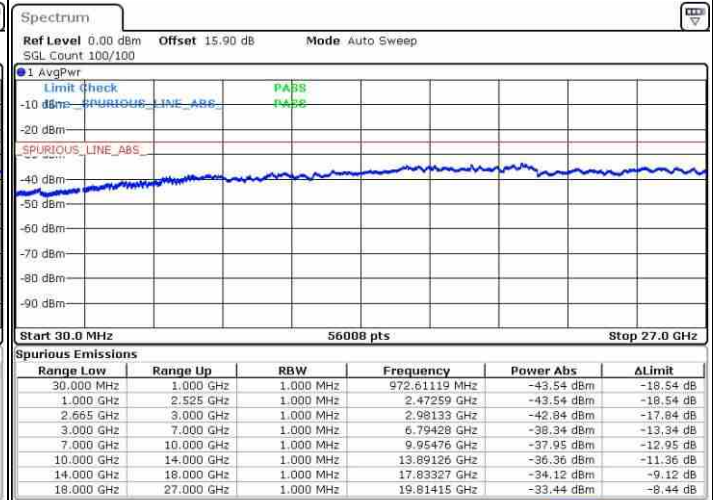
64QAM

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



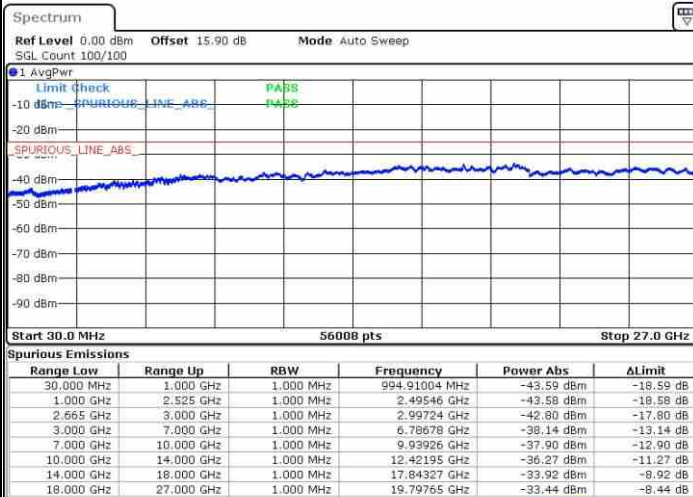
Date: 2 MAR 2019 01:10:38



Date: 2 MAR 2019 01:15:25

Middle Channel / FullRB

N/A



Date: 2 MAR 2019 01:09:40

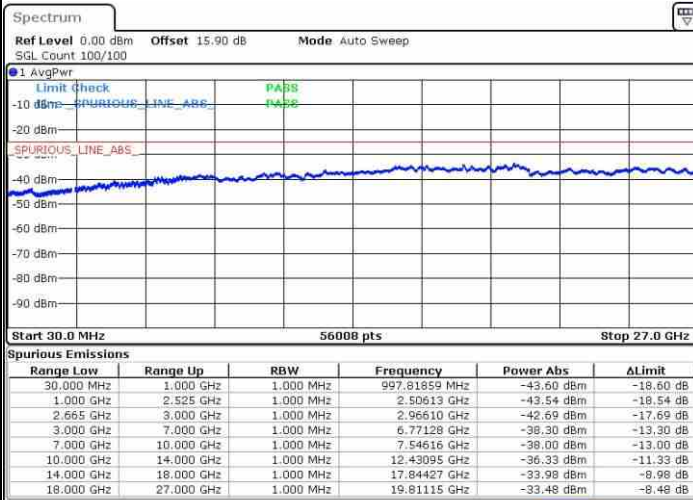


LTE Band 38 / 15MHz+15MHz

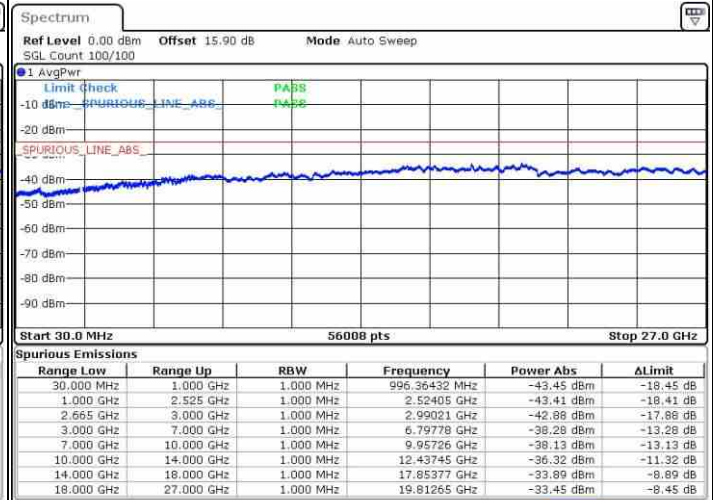
64QAM

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



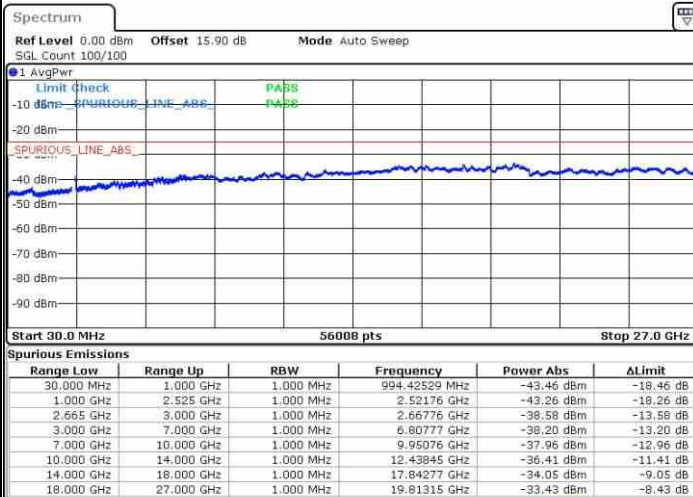
Date: 2 MAR 2019 00:50:46



Date: 2 MAR 2019 00:49:34

Highest Channel / FullIRB

N/A



Date: 2 MAR 2019 00:56:53

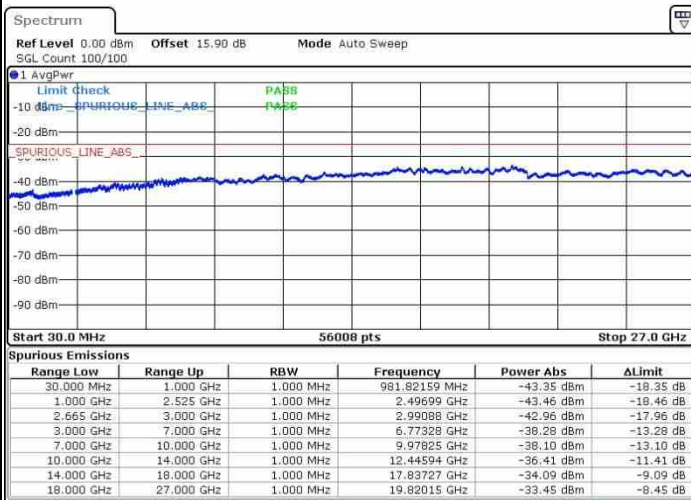


LTE Band 38 / 20MHz+20MHz

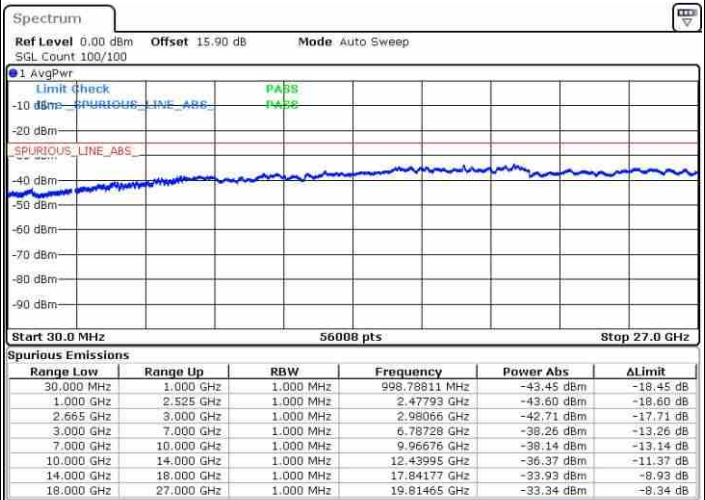
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



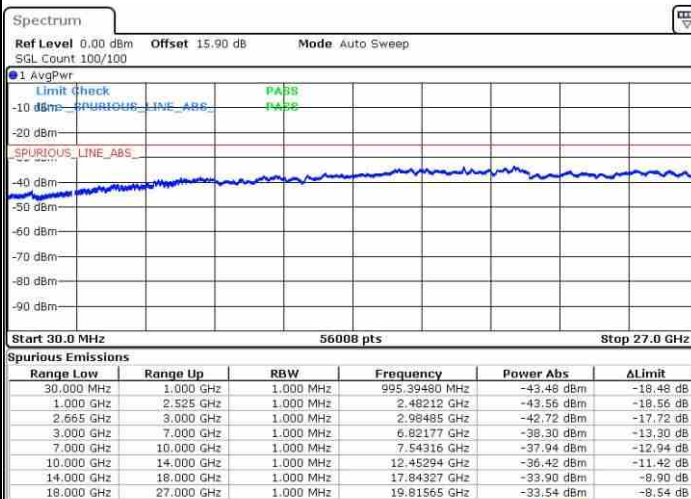
Date: 2 MAR 2019 01:30:43



Date: 2 MAR 2019 01:25:56

Lowest Channel / FullRB

N/A



Date: 2 MAR 2019 01:33:35

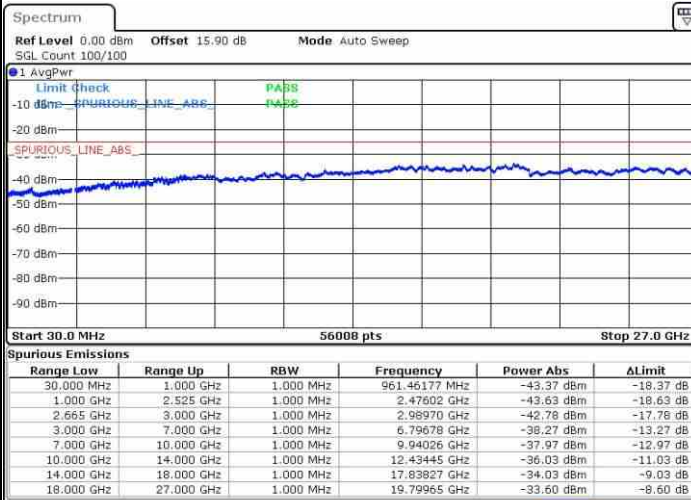


LTE Band 38 / 20MHz+20MHz

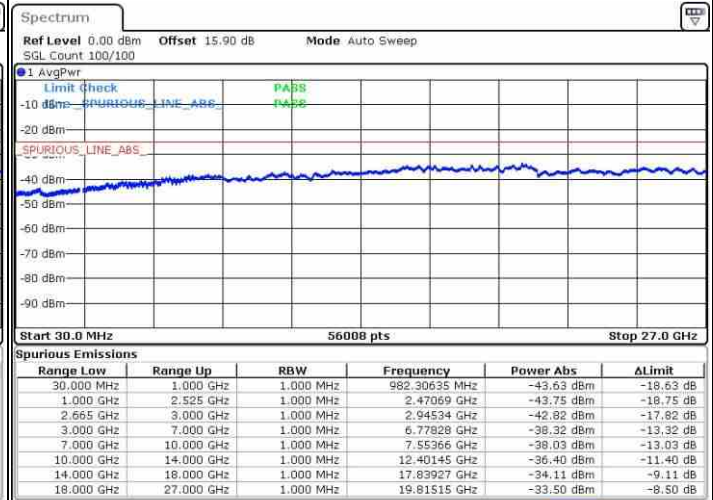
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



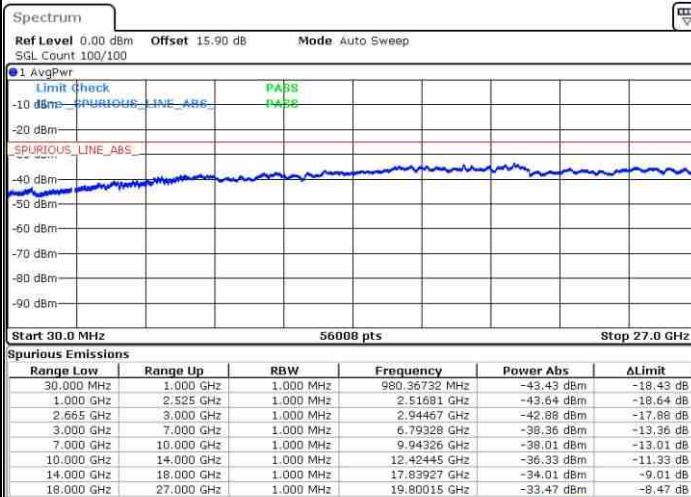
Date: 2 MAR 2019 01:39:20



Date: 2 MAR 2019 01:44:08

Middle Channel / FullIRB

N/A



Date: 2 MAR 2019 01:38:23

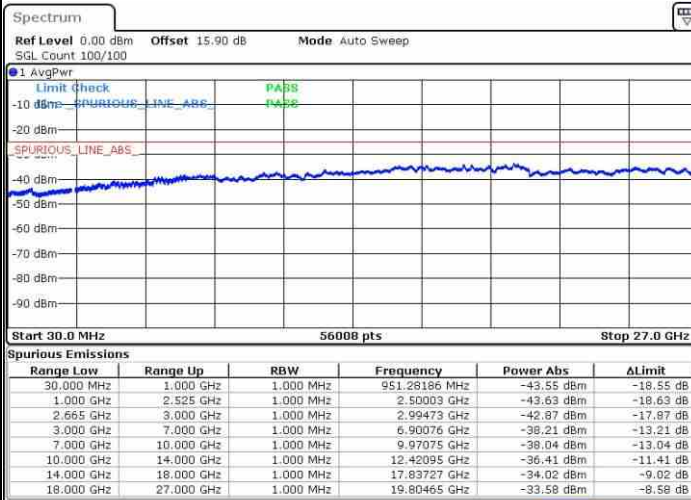


LTE Band 38 / 20MHz+20MHz

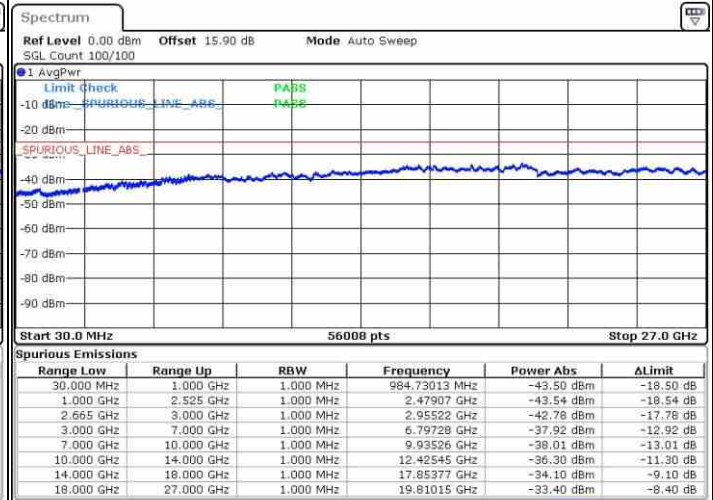
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



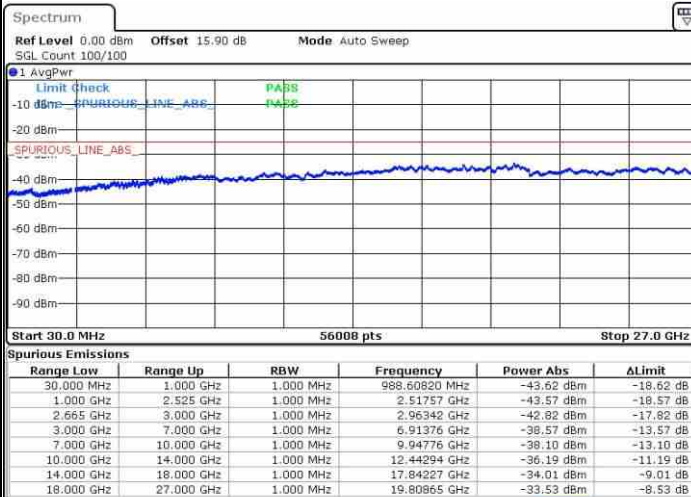
Date: 2 MAR 2019 01:20:08



Date: 2 MAR 2019 01:19:12

Highest Channel / FullIRB

N/A



Date: 2 MAR 2019 01:24:58

LTE Band 41

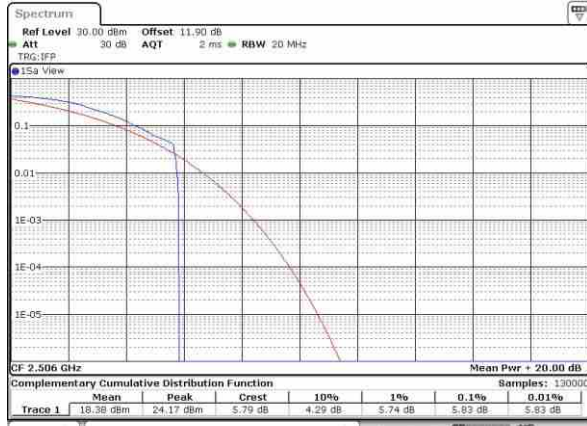
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.83	4.52	4.29	5.57	PASS
Middle CH	3.45	4.46	4.29	5.54	
Highest CH	3.42	4.55	4.2	5.59	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.48	6.26	-	-	PASS
Middle CH	5.16	6.23	-	-	
Highest CH	5.36	6.35	-	-	

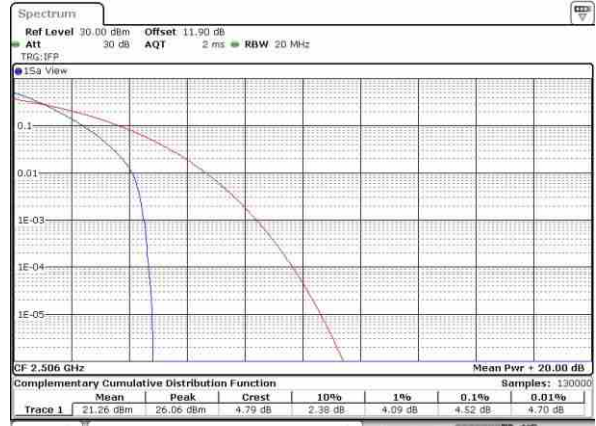


LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



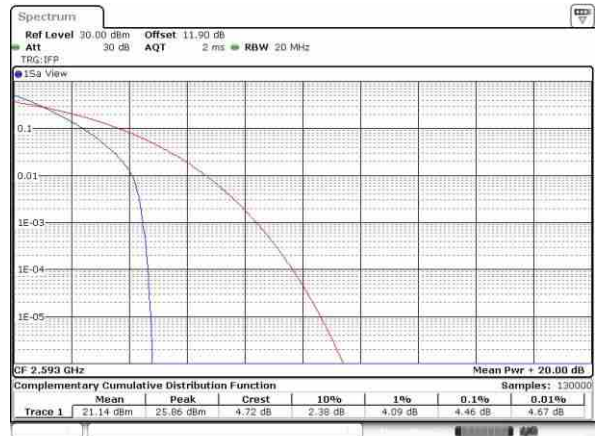
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB

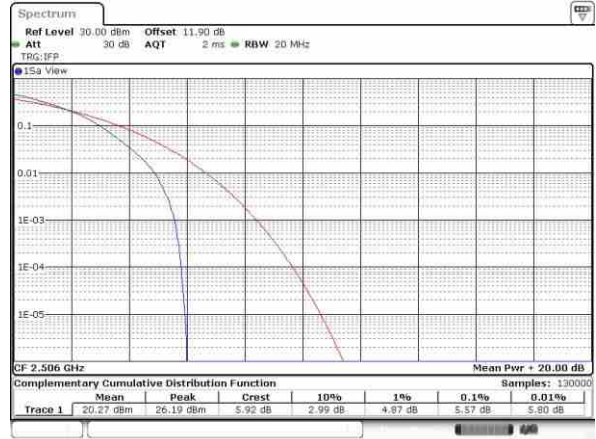


Highest Channel / Full RB



LTE Band 41 / 20MHz / 16QAM
Lowest Channel / 1RB


Date: 27 FEB 2019 09:41:01

Lowest Channel / Full RB


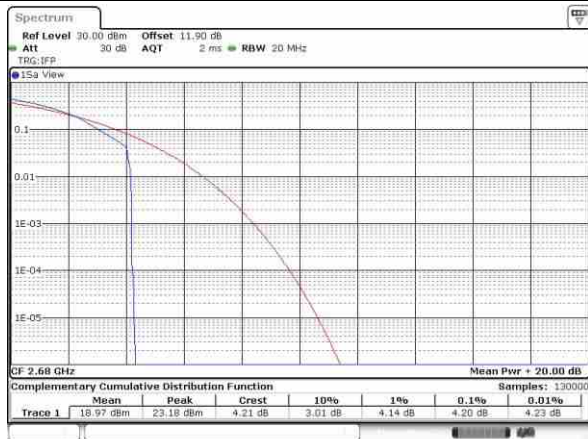
Date: 27 FEB 2019 09:41:16

Middle Channel / 1RB


Date: 27 FEB 2019 09:41:30

Middle Channel / Full RB


Date: 27 FEB 2019 09:41:45

Highest Channel / 1RB


Date: 27 FEB 2019 09:41:59

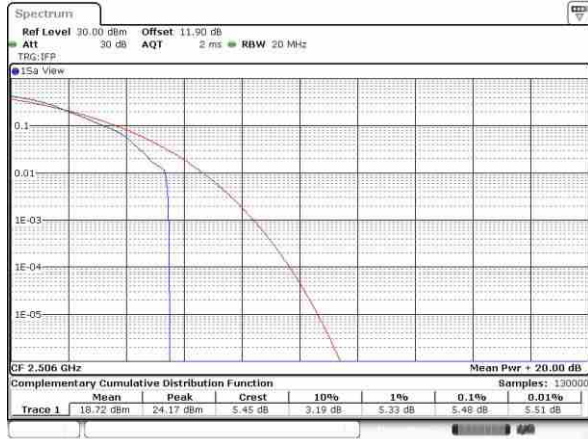
Highest Channel / Full RB


Date: 27 FEB 2019 09:42:16

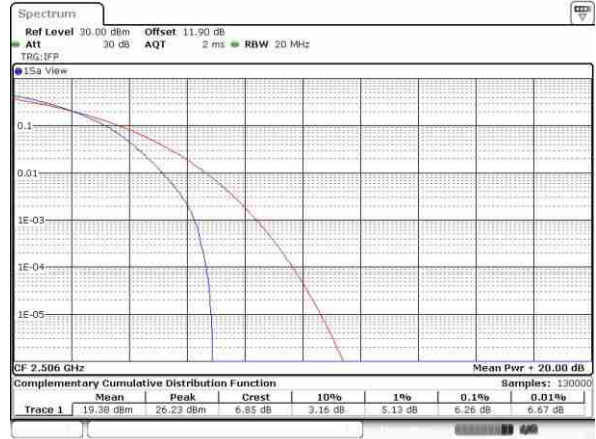


LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



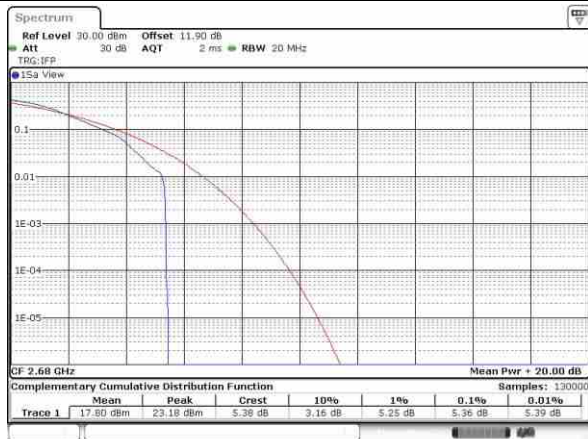
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



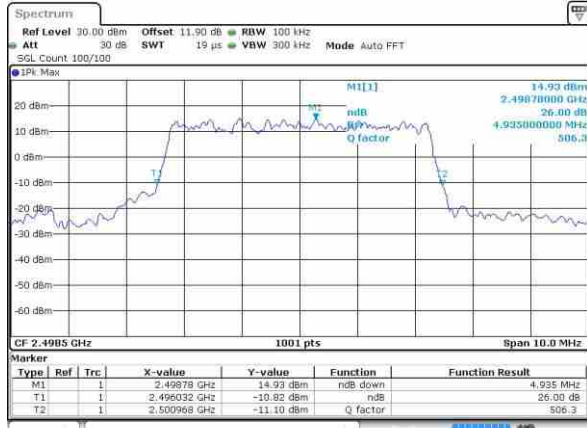
**26dB Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.94	4.83	9.77	9.61	14.12	14.39	20.06	20.18
Middle CH	-	-	-	-	4.96	4.77	9.65	9.77	14.48	14.12	20.06	20.10
Highest CH	-	-	-	-	4.89	4.87	9.71	9.61	14.33	14.30	20.10	20.14
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.88	-	9.83	-	14.56	-	20.10	-
Middle CH	-	-	-	-	4.79	-	9.73	-	14.33	-	20.10	-
Highest CH	-	-	-	-	4.84	-	9.75	-	14.54	-	20.14	-

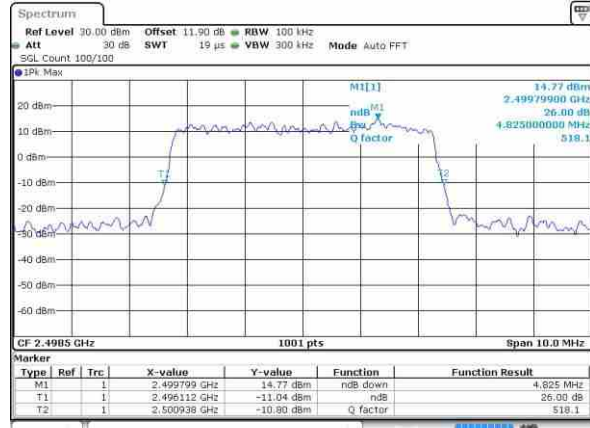


LTE Band 41

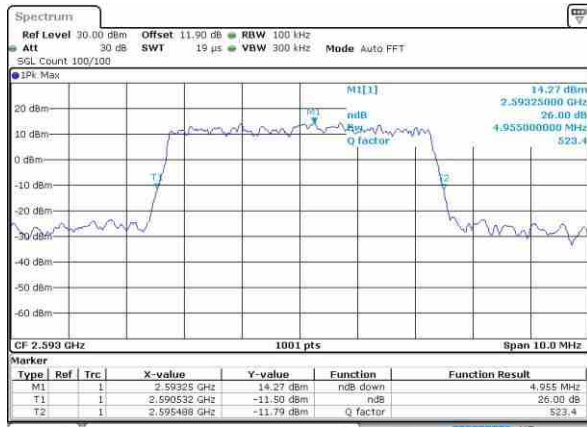
Lowest Channel / 5MHz / QPSK



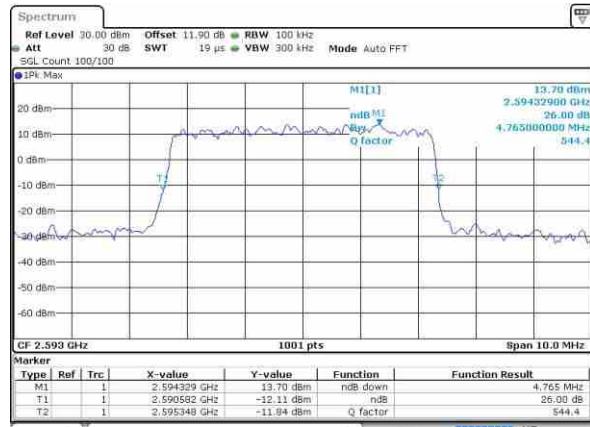
Lowest Channel / 5MHz / 16QAM



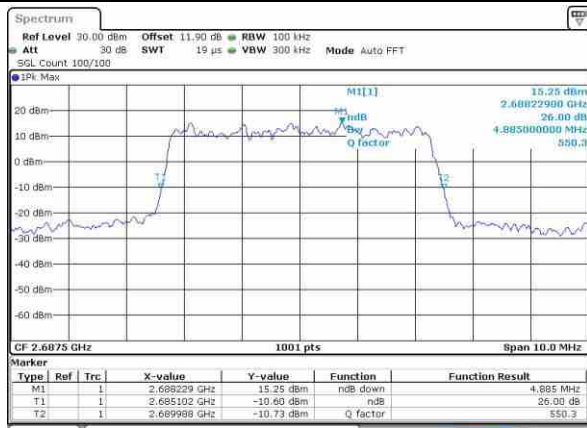
Middle Channel / 5MHz / QPSK



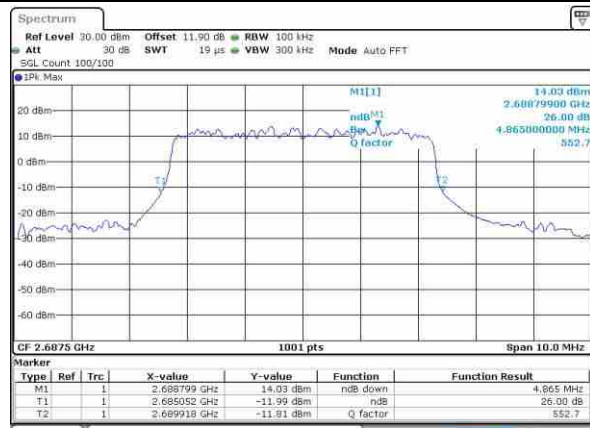
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



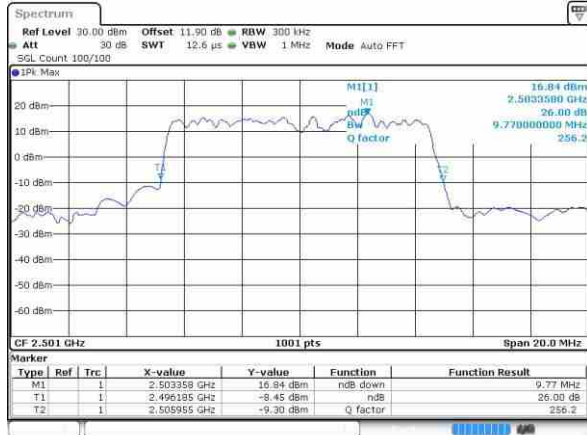
Highest Channel / 5MHz / 16QAM



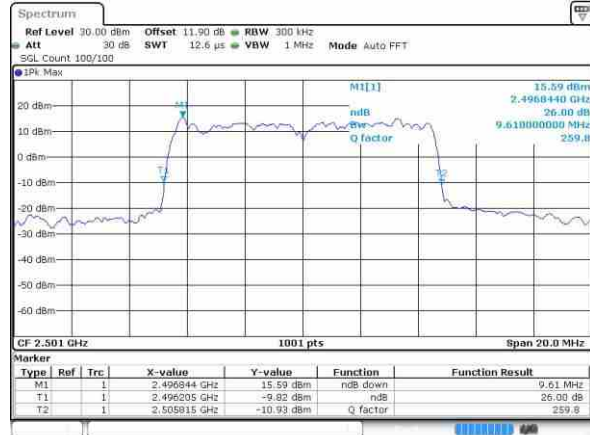


LTE Band 41

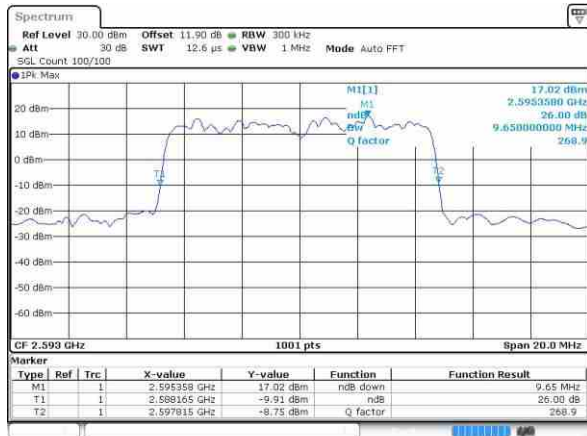
Lowest Channel / 10MHz / QPSK



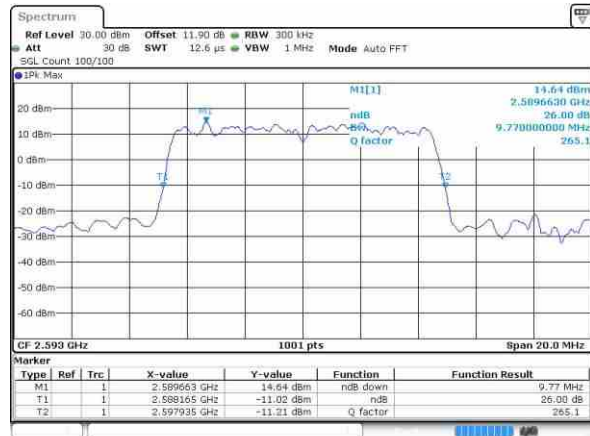
Lowest Channel / 10MHz / 16QAM



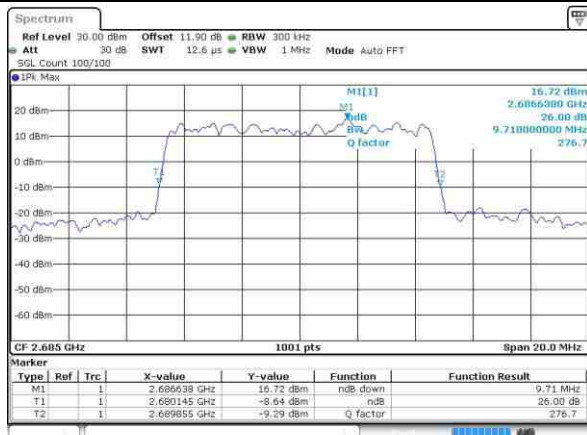
Middle Channel / 10MHz / QPSK



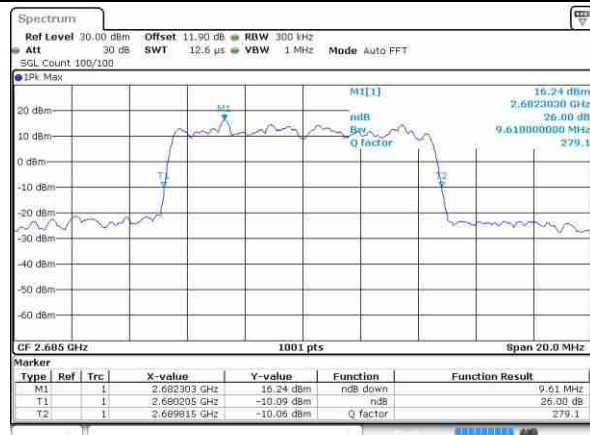
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



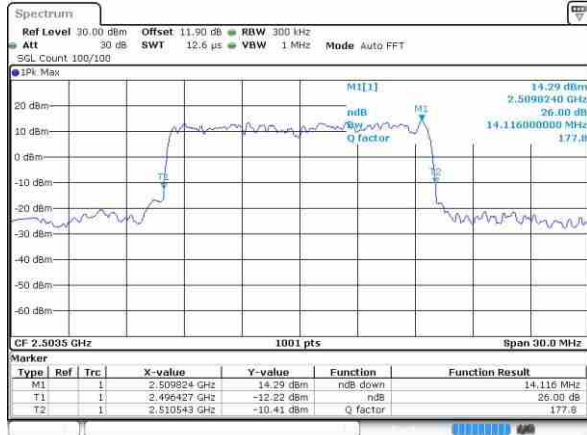
Highest Channel / 10MHz / 16QAM





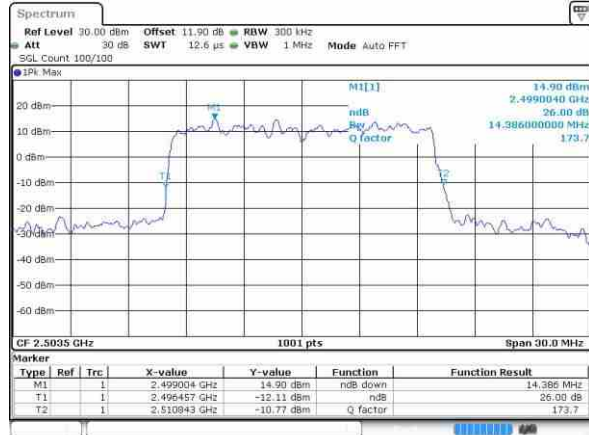
LTE Band 41

Lowest Channel / 15MHz / QPSK



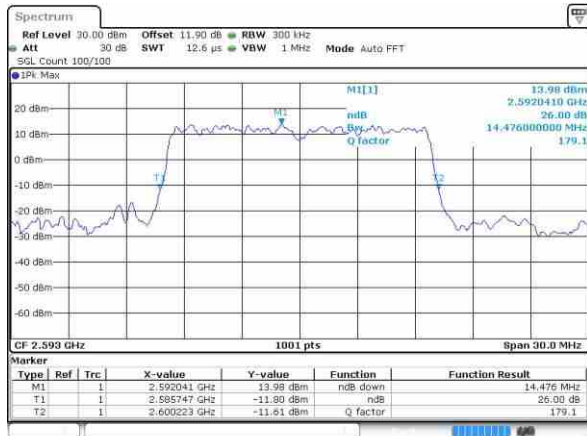
Date: 27 FEB 2019 09:26:59

Lowest Channel / 15MHz / 16QAM



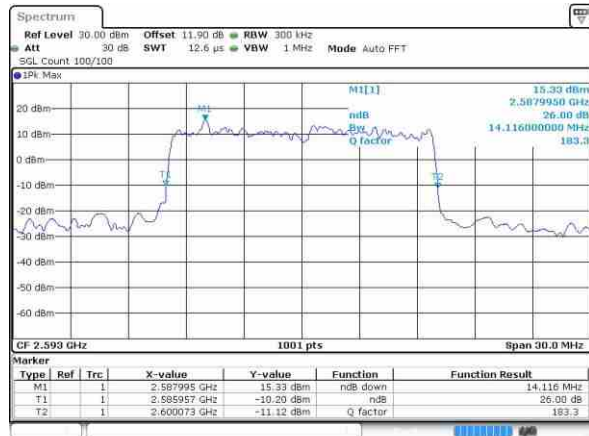
Date: 27 FEB 2019 09:27:10

Middle Channel / 15MHz / QPSK



Date: 27 FEB 2019 09:27:44

Middle Channel / 15MHz / 16QAM



Date: 27 FEB 2019 09:27:56

Highest Channel / 15MHz / QPSK



Date: 27 FEB 2019 09:28:30

Highest Channel / 15MHz / 16QAM

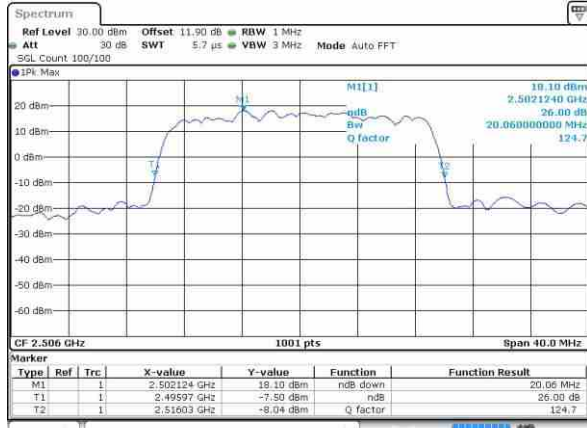


Date: 27 FEB 2019 09:28:42

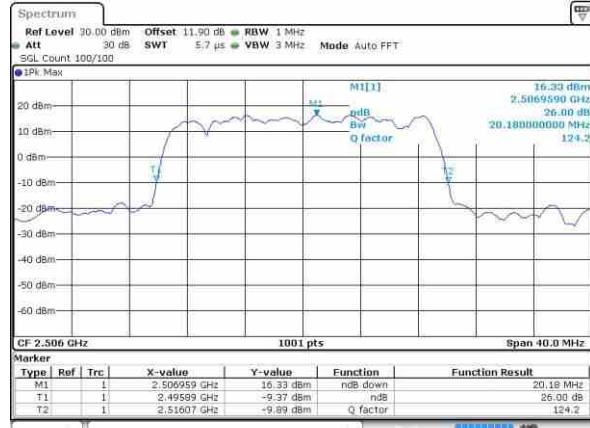


LTE Band 41

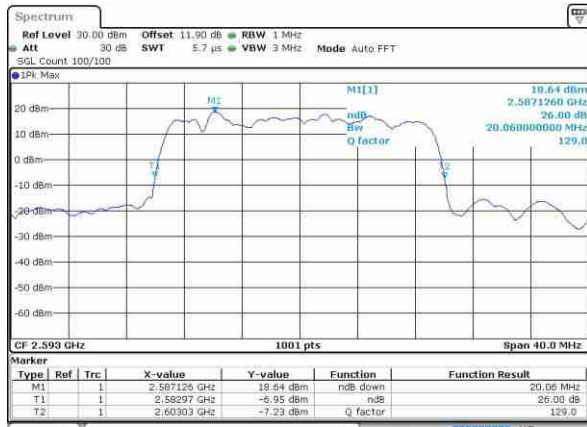
Lowest Channel / 20MHz / QPSK



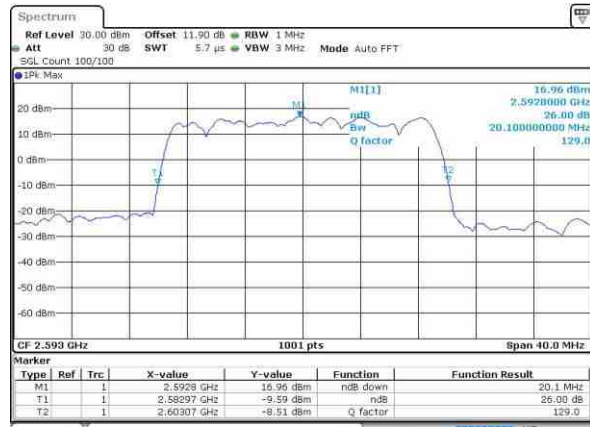
Lowest Channel / 20MHz / 16QAM



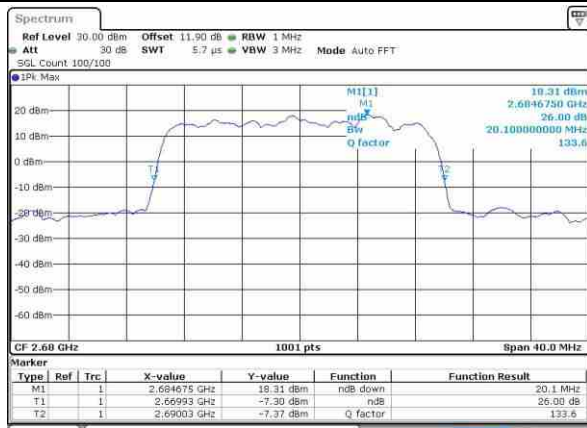
Middle Channel / 20MHz / QPSK



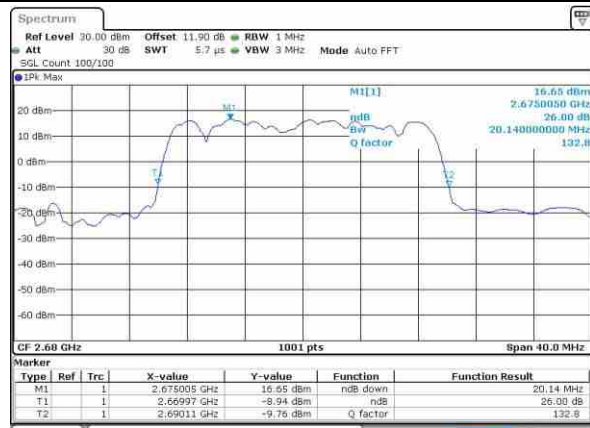
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



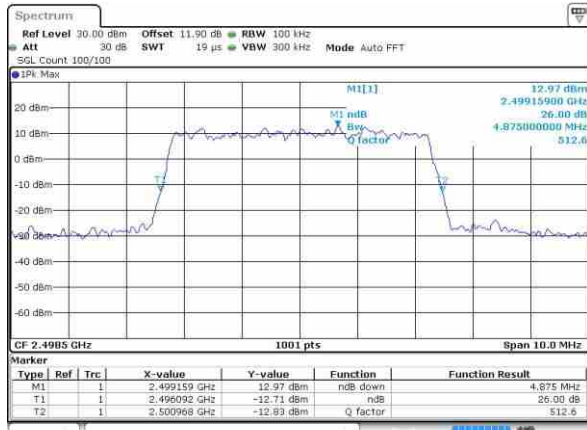
Highest Channel / 20MHz / 16QAM



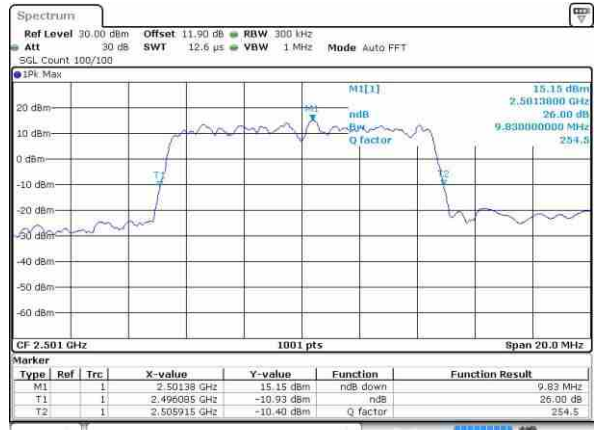


LTE Band 41

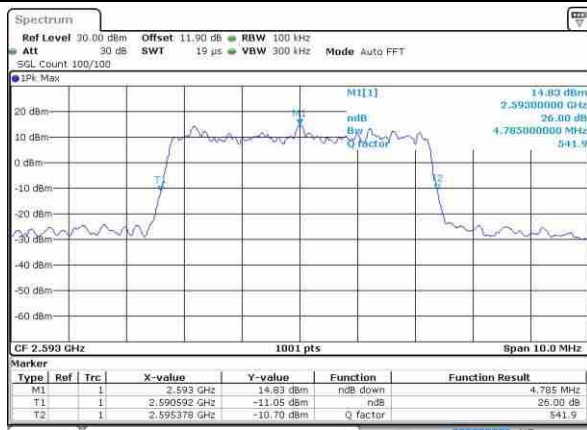
Lowest Channel / 5MHz / 64QAM



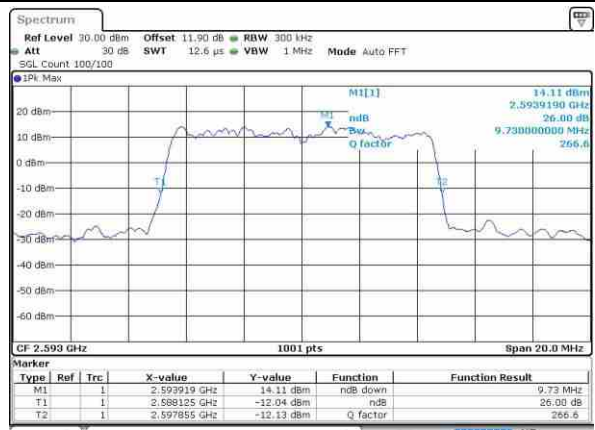
Lowest Channel / 10MHz / 64QAM



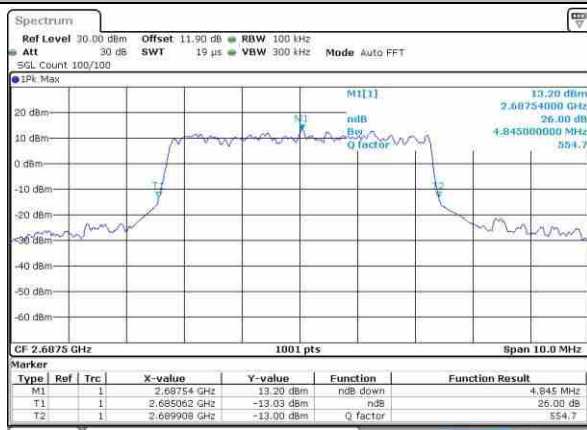
Middle Channel / 5MHz / 64QAM



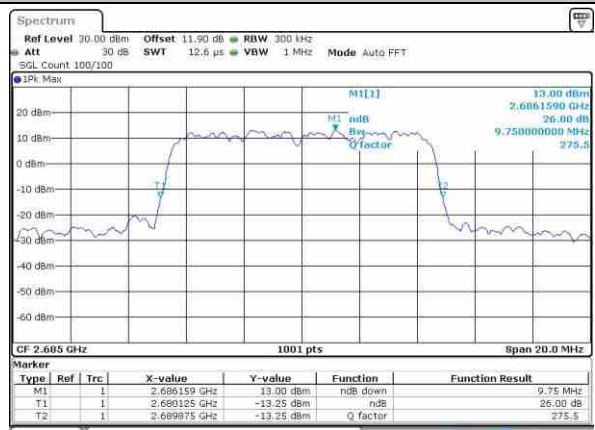
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



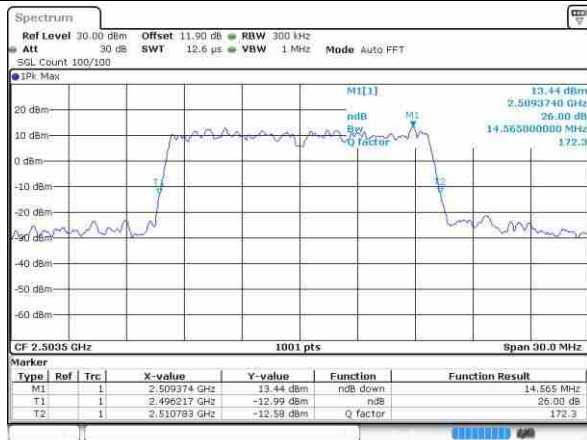
Highest Channel / 10MHz / 64QAM





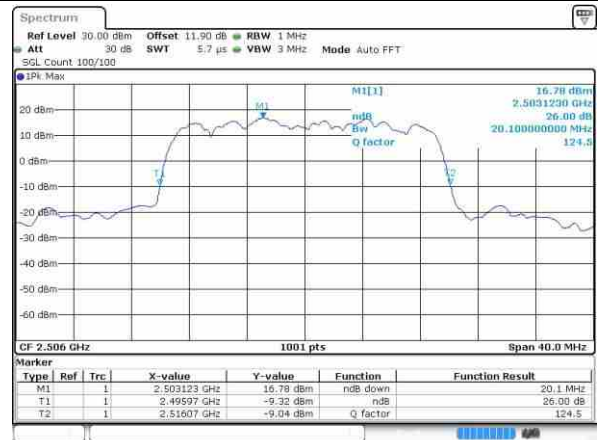
LTE Band 41

Lowest Channel / 15MHz / 64QAM



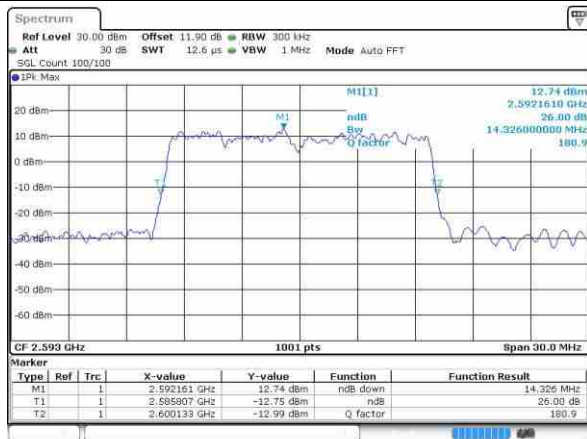
Date: 27 FEB 2019 09:33:40

Lowest Channel / 20MHz / 64QAM



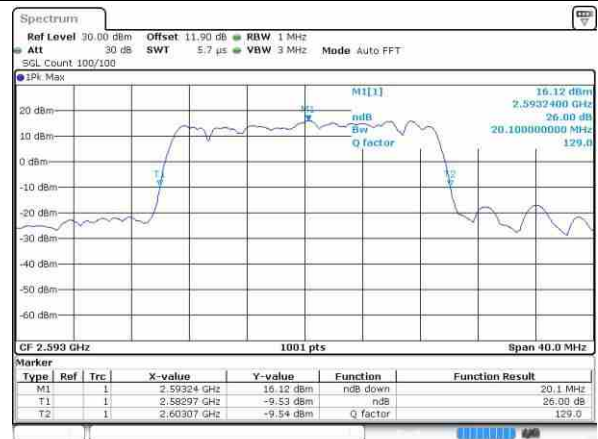
Date: 27 FEB 2019 09:34:48

Middle Channel / 15MHz / 64QAM



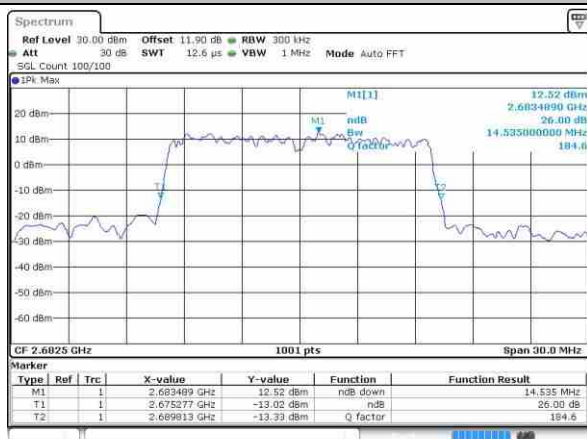
Date: 27 FEB 2019 09:34:02

Middle Channel / 20MHz / 64QAM



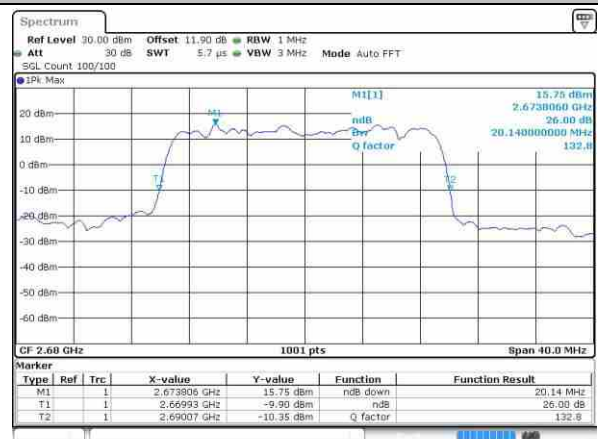
Date: 27 FEB 2019 09:35:11

Highest Channel / 15MHz / 64QAM



Date: 27 FEB 2019 09:34:25

Highest Channel / 20MHz / 64QAM



Date: 27 FEB 2019 09:35:34

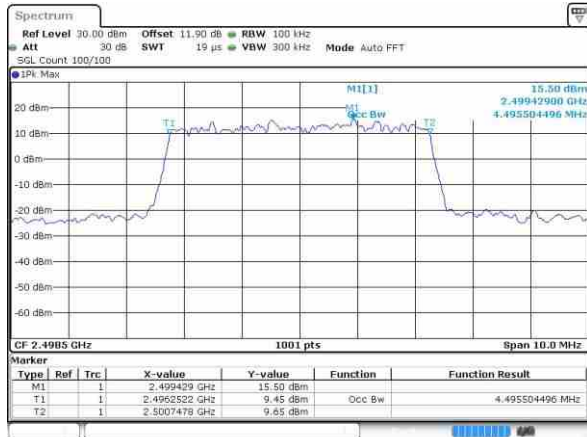
**Occupied Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.5	4.49	8.95	8.97	13.4	13.49	18.38	18.38
Middle CH	-	-	-	-	4.49	4.49	9.03	8.95	13.52	13.43	18.38	18.18
Highest CH	-	-	-	-	4.49	4.5	9.05	9.05	13.49	13.49	18.26	18.38
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.47	-	9.09	-	13.43	-	18.06	-
Middle CH	-	-	-	-	4.47	-	9.01	-	13.40	-	18.30	-
Highest CH	-	-	-	-	4.49	-	8.99	-	13.46	-	18.38	-



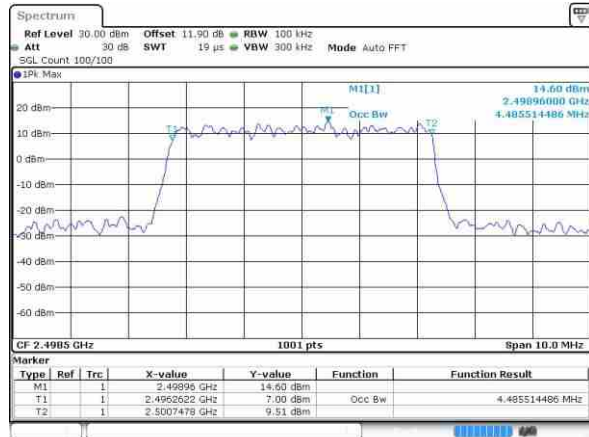
LTE Band 41

Lowest Channel / 5MHz / QPSK



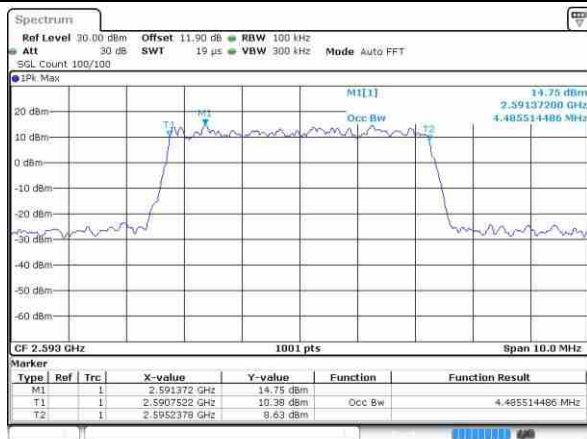
Date: 27 FEB 2019 09:22:02

Lowest Channel / 5MHz / 16QAM



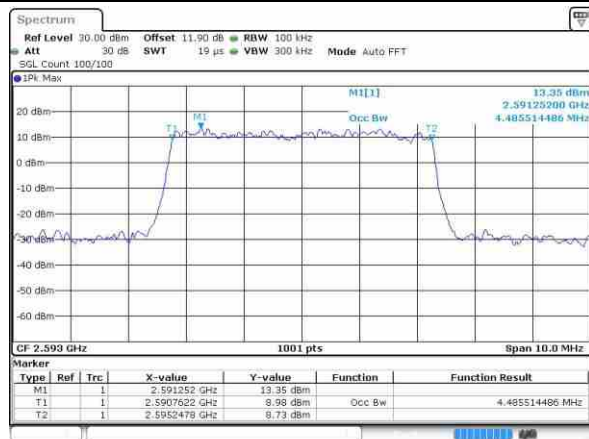
Date: 27 FEB 2019 09:22:13

Middle Channel / 5MHz / QPSK



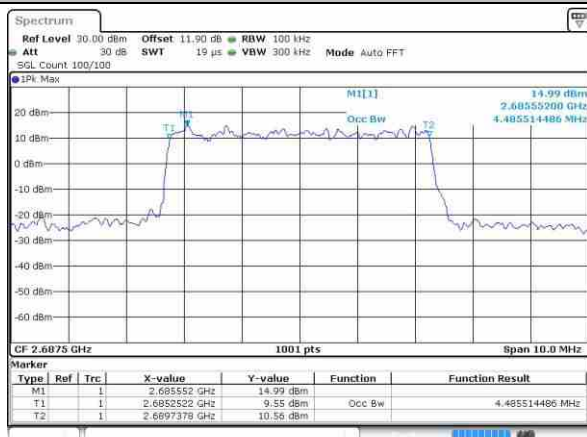
Date: 27 FEB 2019 09:22:48

Middle Channel / 5MHz / 16QAM



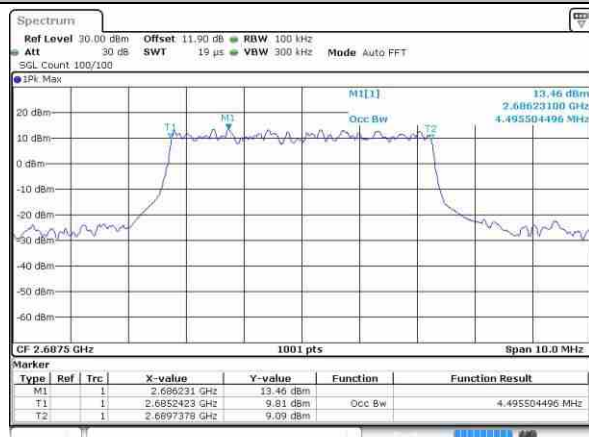
Date: 27 FEB 2019 09:22:59

Highest Channel / 5MHz / QPSK



Date: 27 FEB 2019 09:23:34

Highest Channel / 5MHz / 16QAM

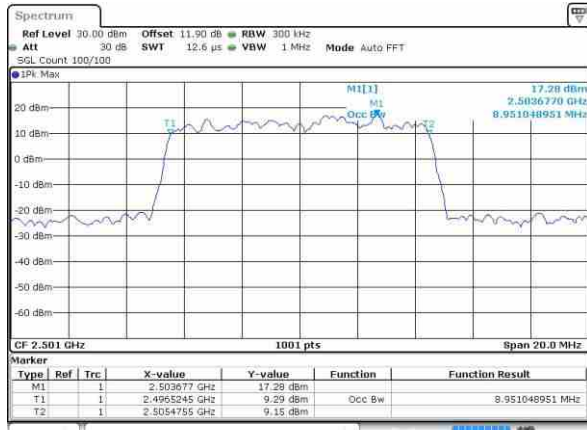


Date: 27 FEB 2019 09:23:45



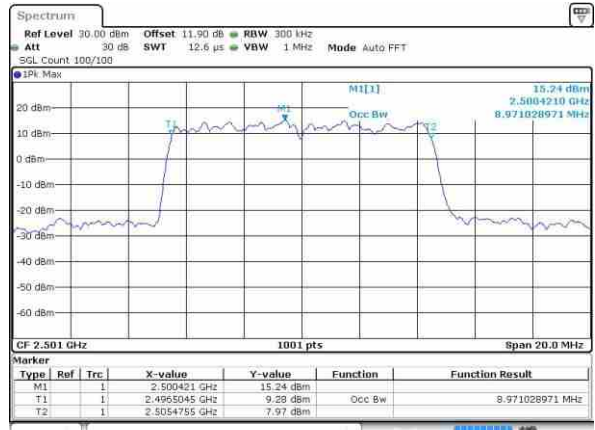
LTE Band 41

Lowest Channel / 10MHz / QPSK



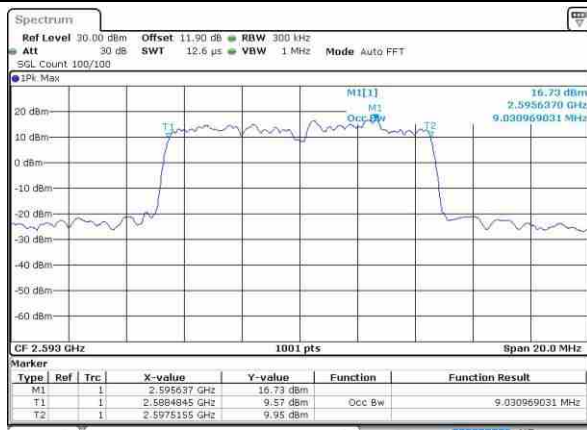
Date: 27 FEB 2019 09:24:19

Lowest Channel / 10MHz / 16QAM



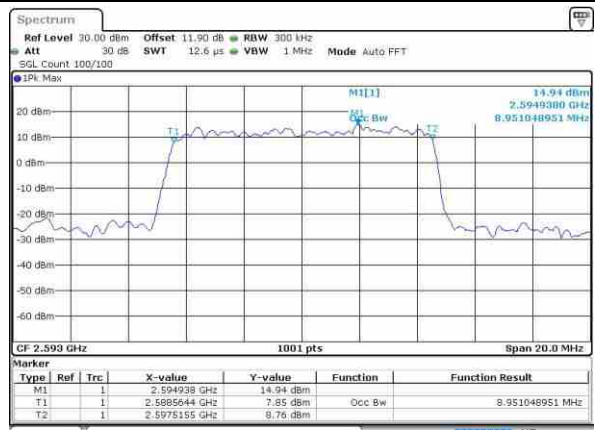
Date: 27 FEB 2019 09:24:31

Middle Channel / 10MHz / QPSK



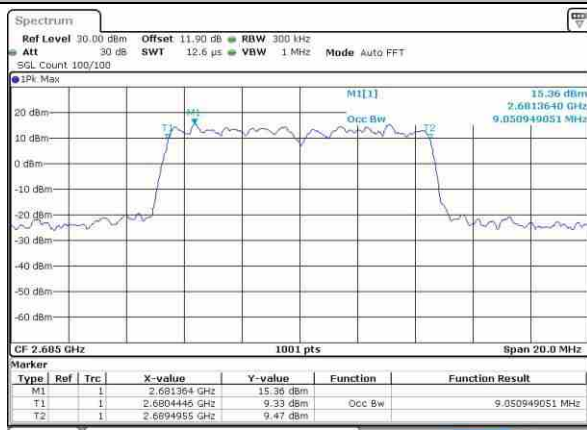
Date: 27 FEB 2019 09:25:05

Middle Channel / 10MHz / 16QAM



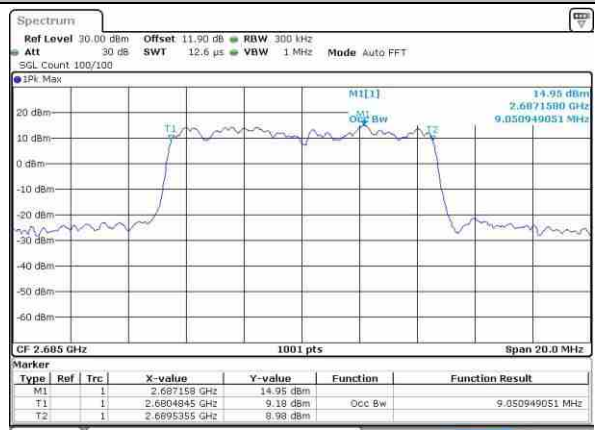
Date: 27 FEB 2019 09:25:16

Highest Channel / 10MHz / QPSK



Date: 27 FEB 2019 09:25:50

Highest Channel / 10MHz / 16QAM

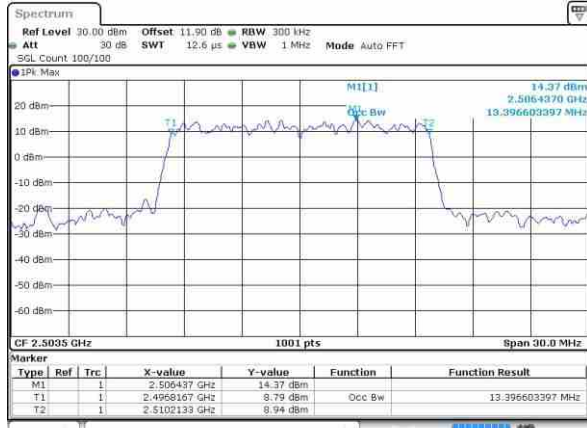


Date: 27 FEB 2019 09:26:02



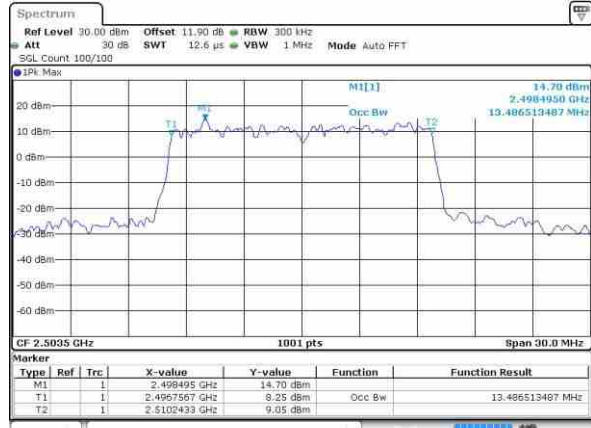
LTE Band 41

Lowest Channel / 15MHz / QPSK



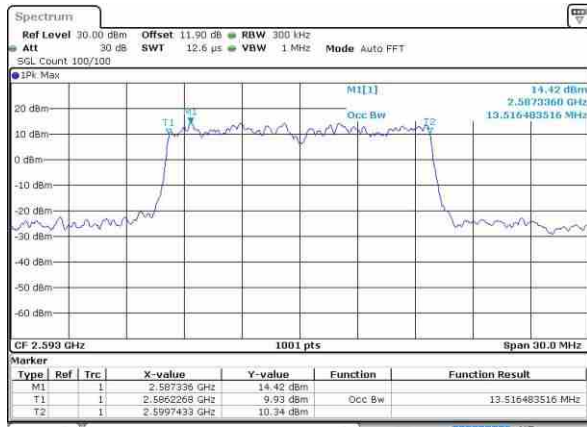
Date: 27 FEB 2019 09:26:36

Lowest Channel / 15MHz / 16QAM



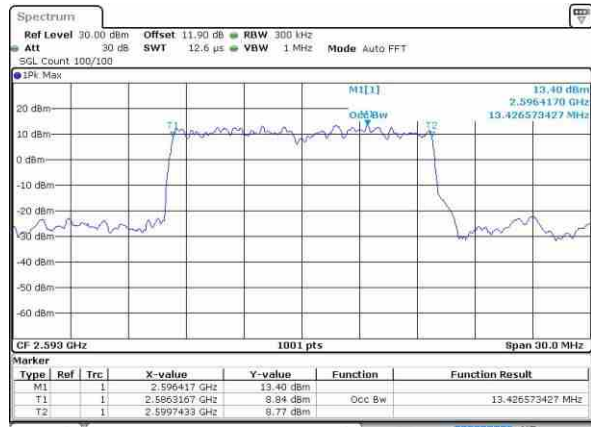
Date: 27 FEB 2019 09:26:47

Middle Channel / 15MHz / QPSK



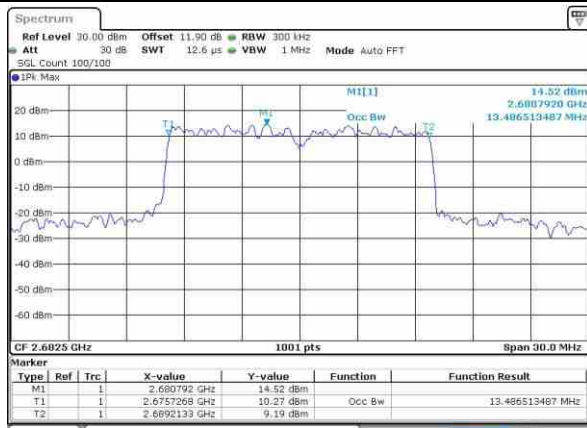
Date: 27 FEB 2019 09:27:22

Middle Channel / 15MHz / 16QAM



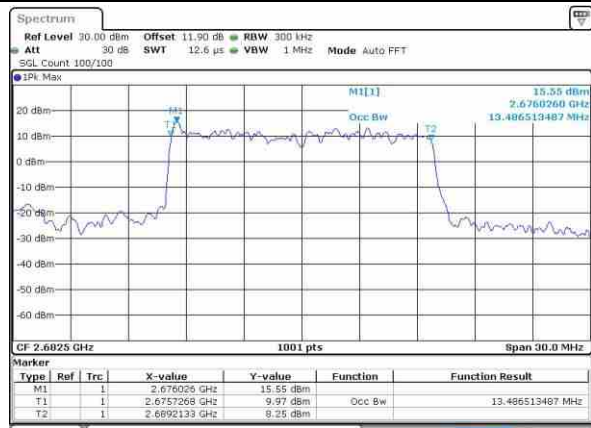
Date: 27 FEB 2019 09:27:33

Highest Channel / 15MHz / QPSK



Date: 27 FEB 2019 09:28:07

Highest Channel / 15MHz / 16QAM

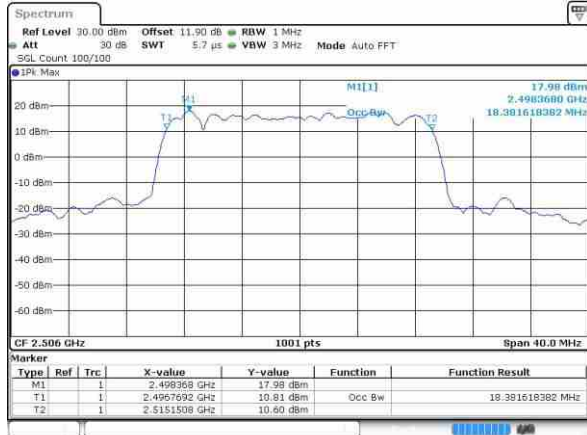


Date: 27 FEB 2019 09:28:19

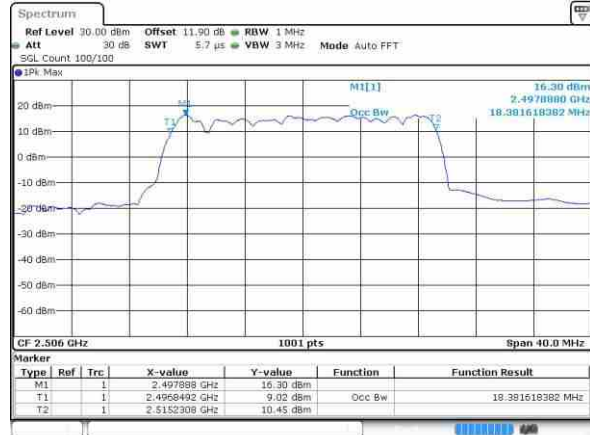


LTE Band 41

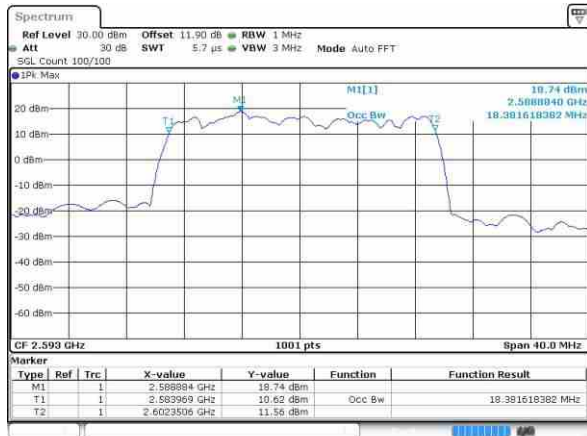
Lowest Channel / 20MHz / QPSK



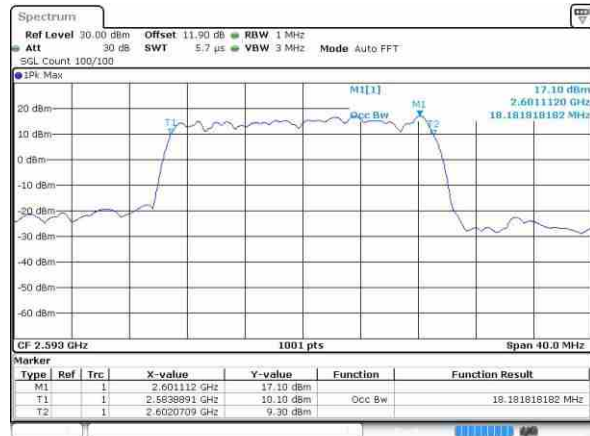
Lowest Channel / 20MHz / 16QAM



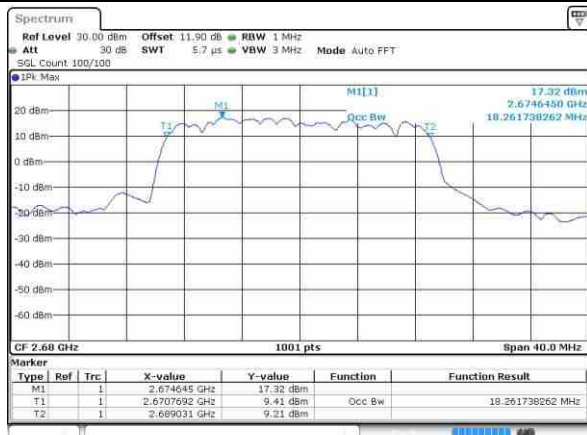
Middle Channel / 20MHz / QPSK



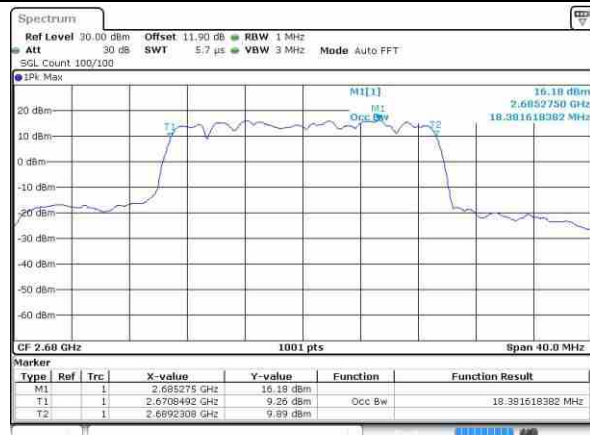
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



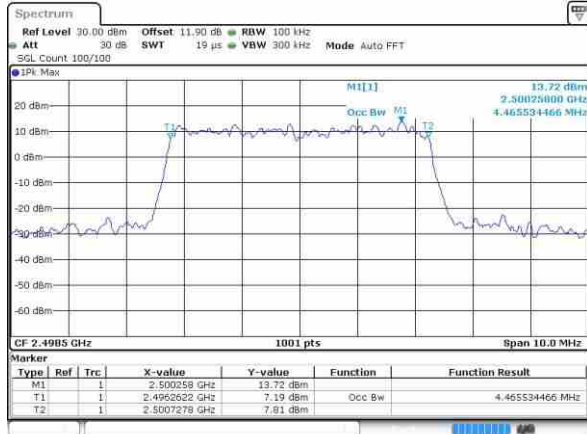
Highest Channel / 20MHz / 16QAM



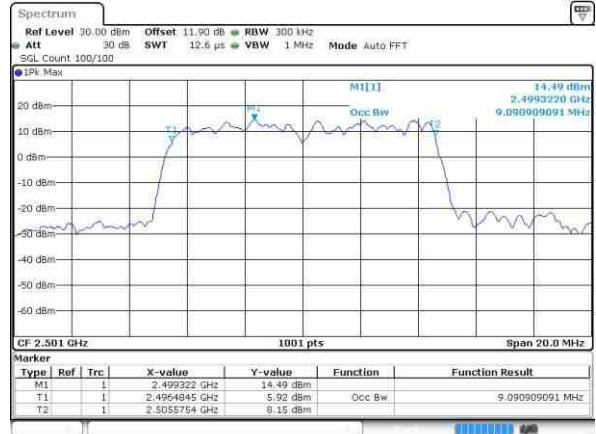


LTE Band 41

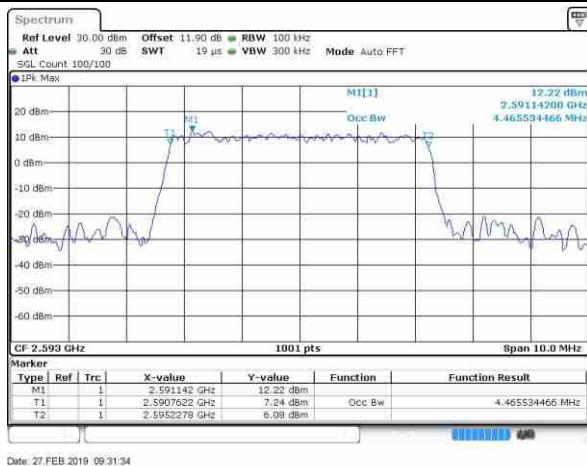
Lowest Channel / 5MHz / 64QAM



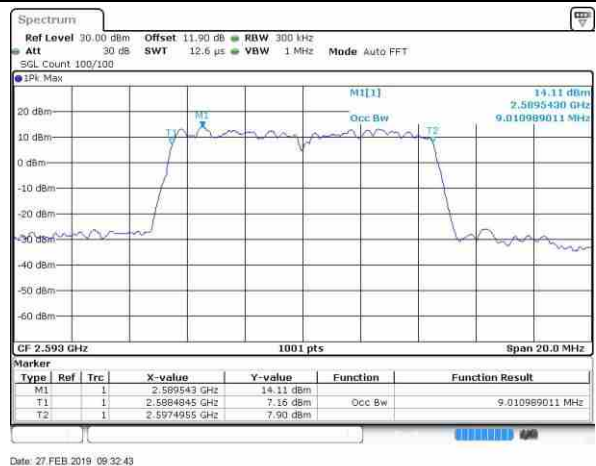
Lowest Channel / 10MHz / 64QAM



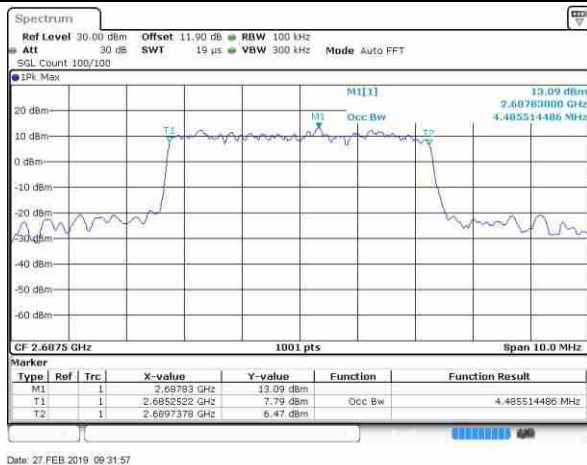
Middle Channel / 5MHz / 64QAM



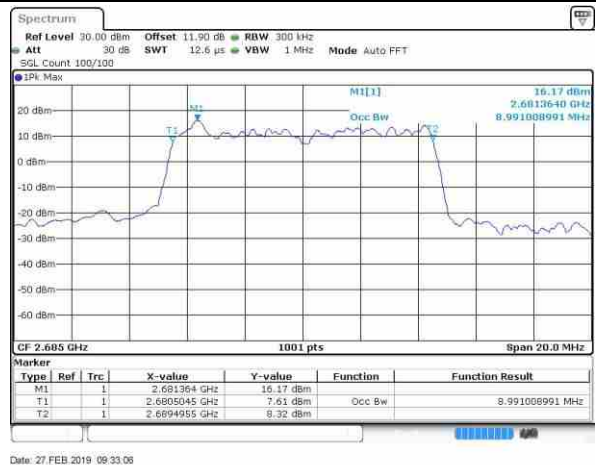
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



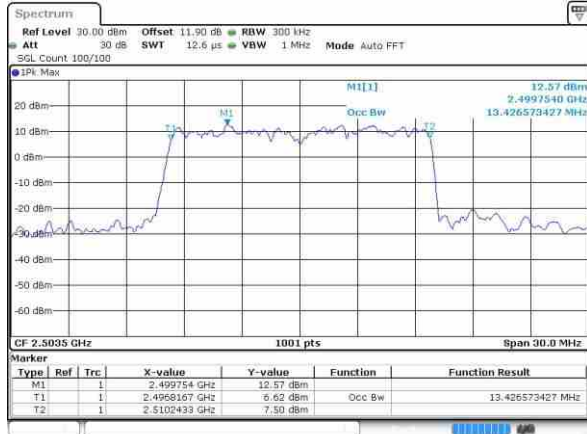
Highest Channel / 10MHz / 64QAM





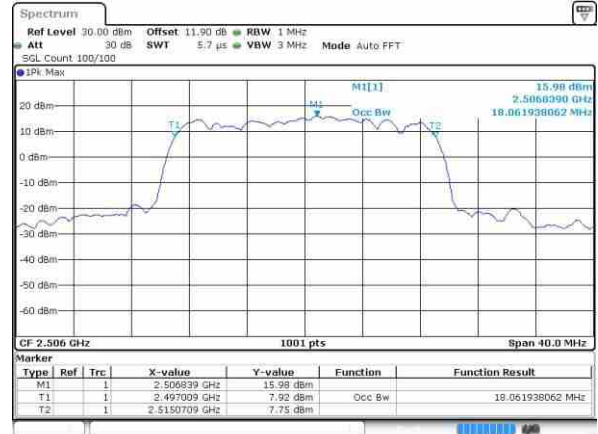
LTE Band 41

Lowest Channel / 15MHz / 64QAM



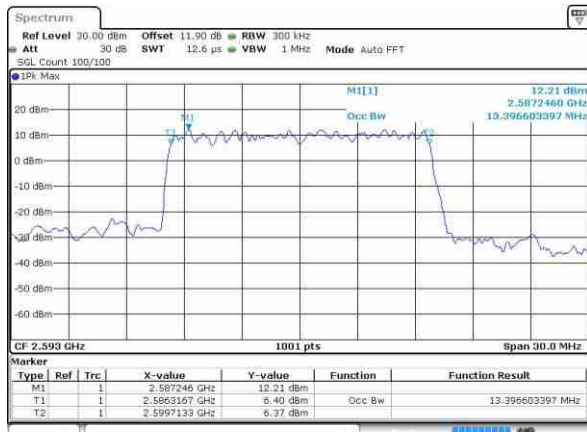
Date: 27 FEB 2019 09:33:28

Lowest Channel / 20MHz / 64QAM



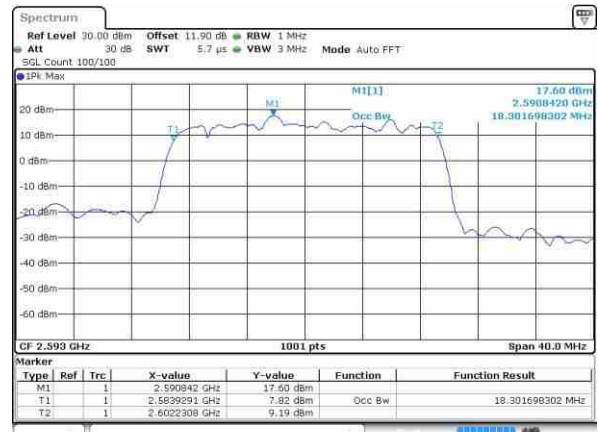
Date: 27 FEB 2019 09:34:37

Middle Channel / 15MHz / 64QAM



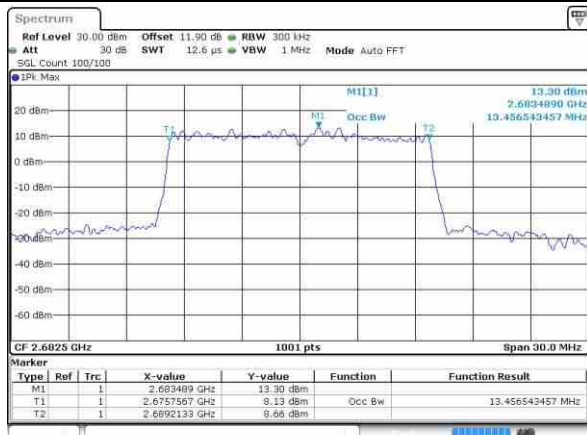
Date: 27 FEB 2019 09:33:51

Middle Channel / 20MHz / 64QAM



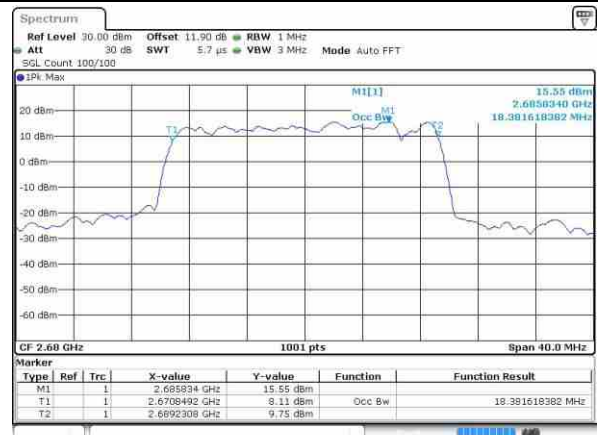
Date: 27 FEB 2019 09:34:59

Highest Channel / 15MHz / 64QAM

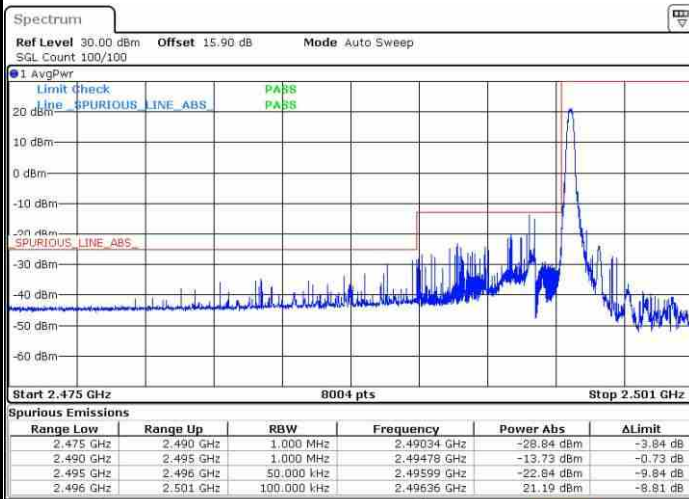
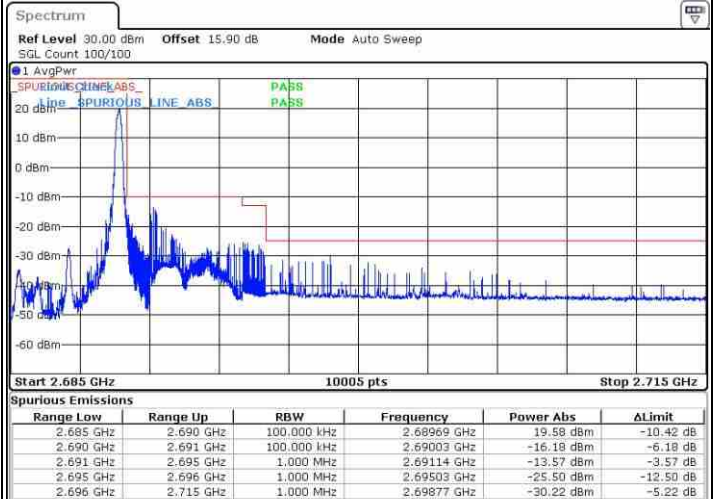
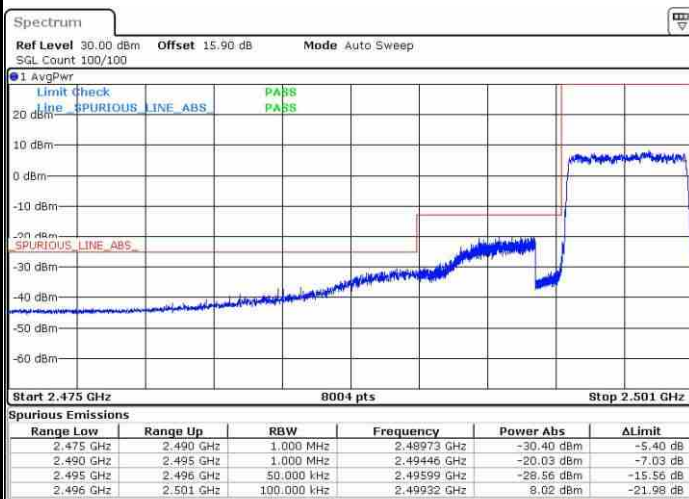
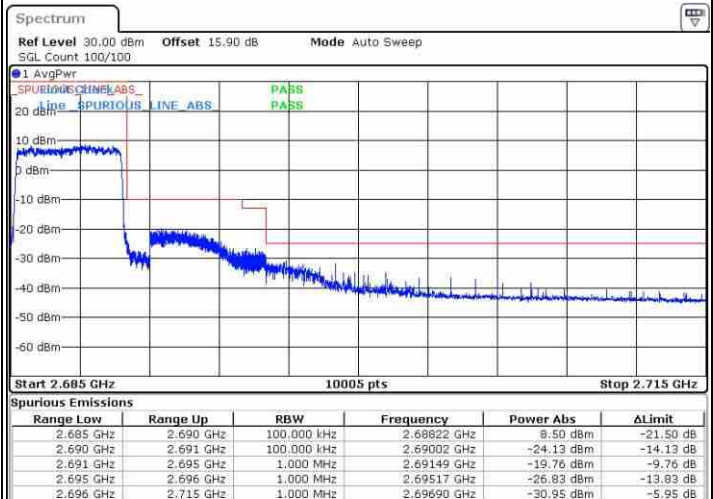


Date: 27 FEB 2019 09:34:14

Highest Channel / 20MHz / 64QAM



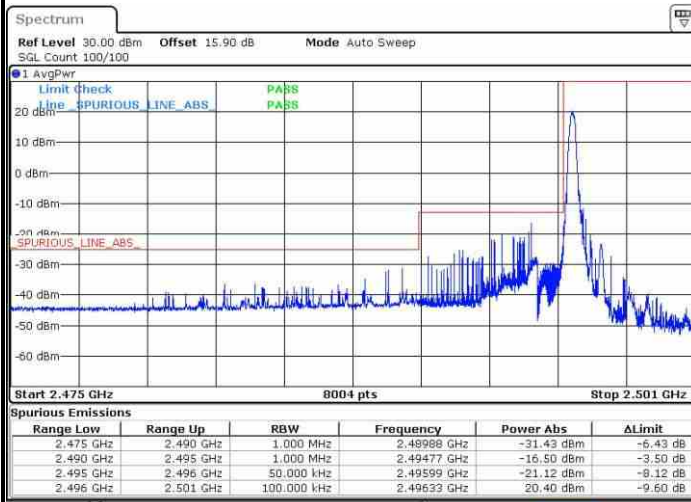
Date: 27 FEB 2019 09:35:22

**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



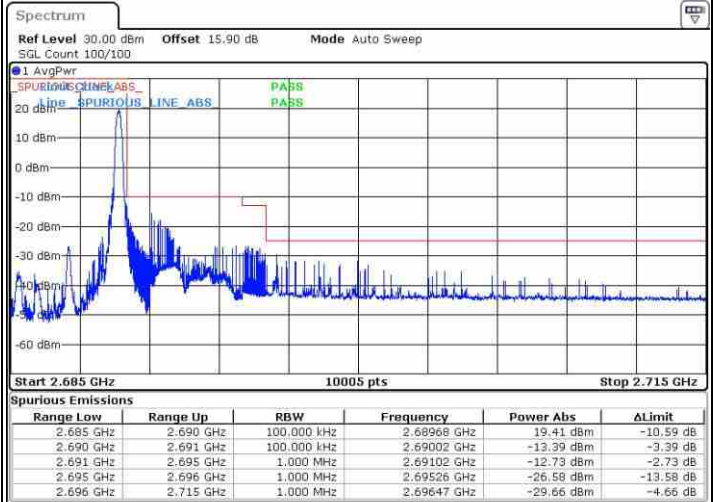
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



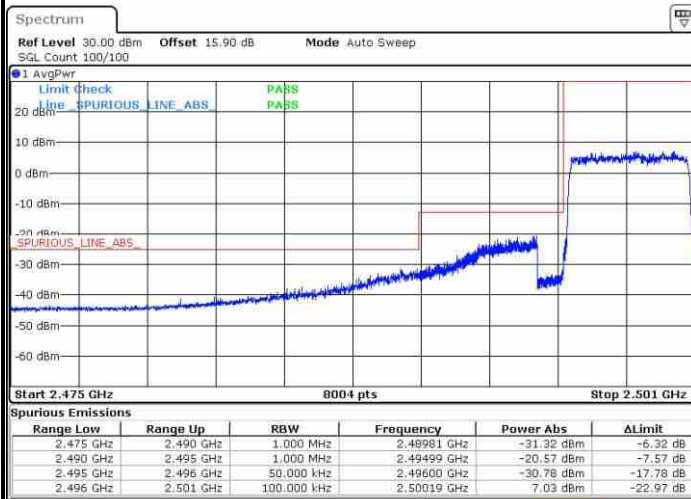
Date: 27.FEB.2019 09:48:27

Highest Band Edge / 1 RB



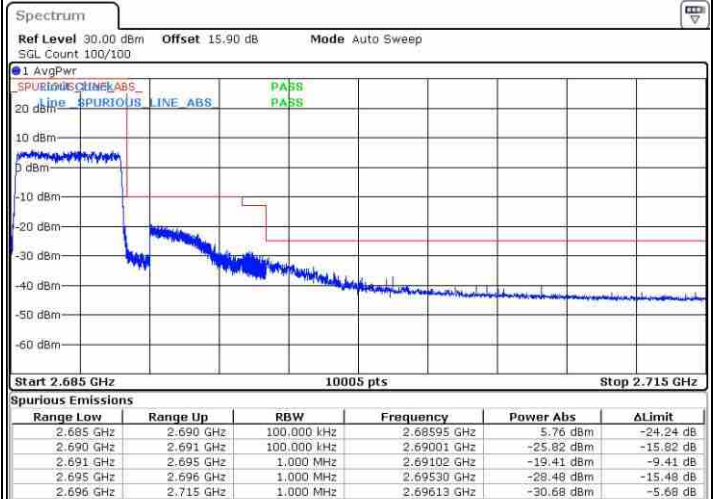
Date: 27.FEB.2019 09:51:09

Lowest Band Edge / Full RB



Date: 27.FEB.2019 09:49:48

Highest Band Edge / Full RB



Date: 27.FEB.2019 09:52:29