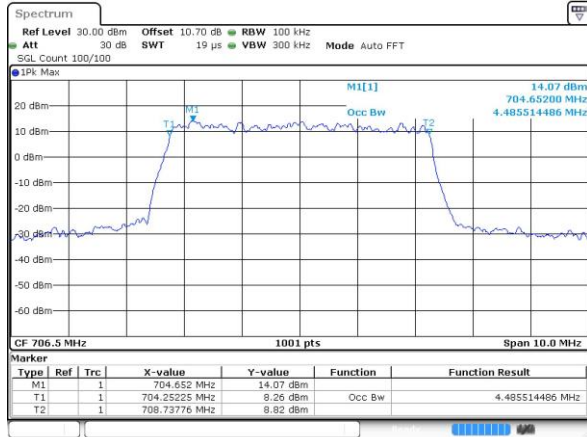


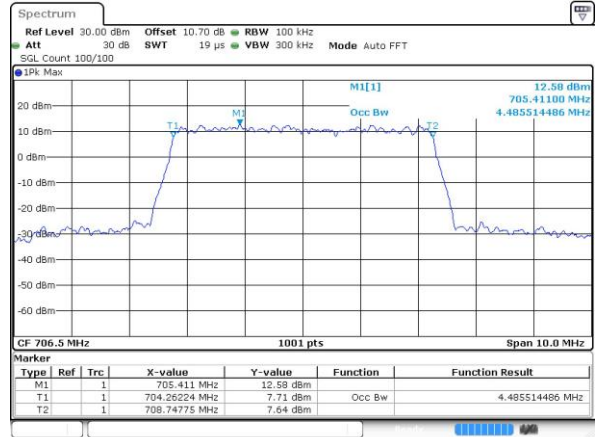


LTE Band 17

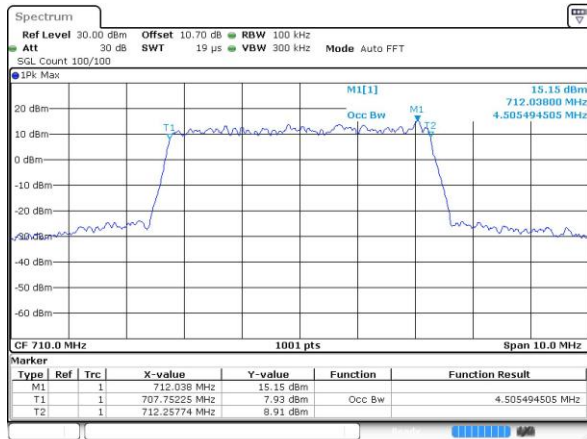
Lowest Channel / 5MHz / QPSK



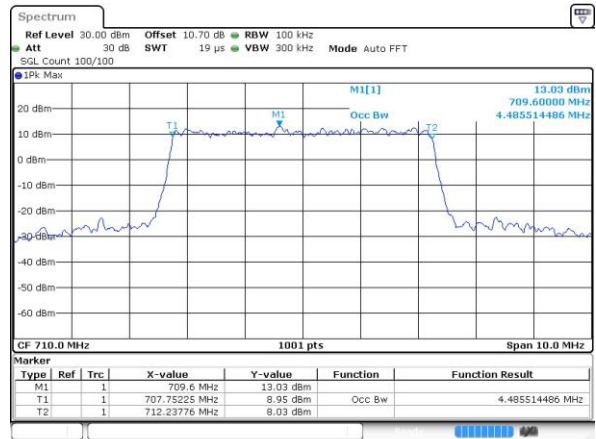
Lowest Channel / 5MHz / 16QAM



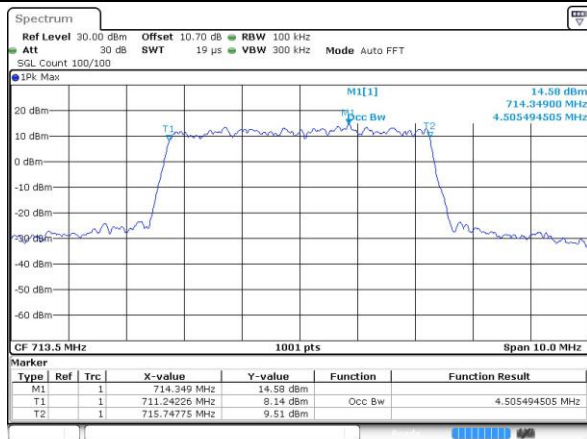
Middle Channel / 5MHz / QPSK



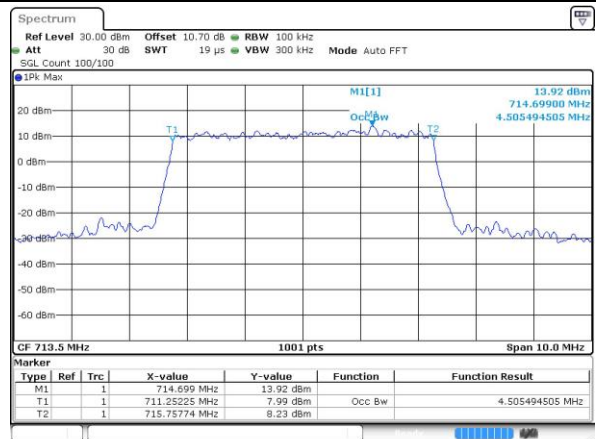
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



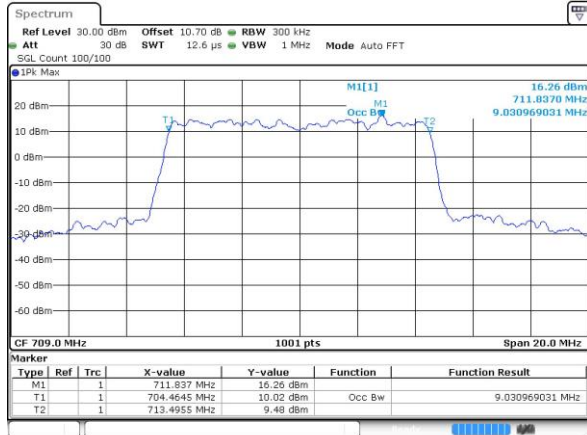
Highest Channel / 5MHz / 16QAM



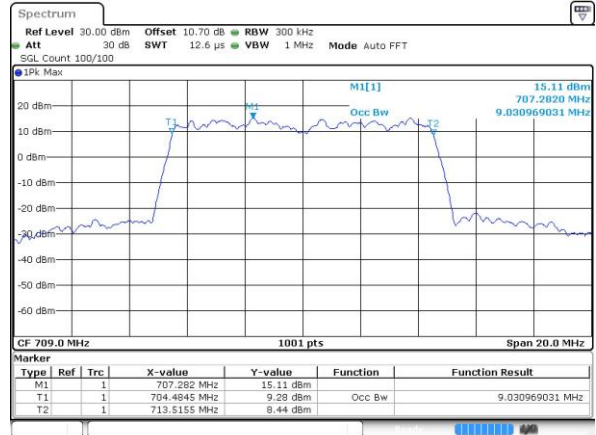


LTE Band 17

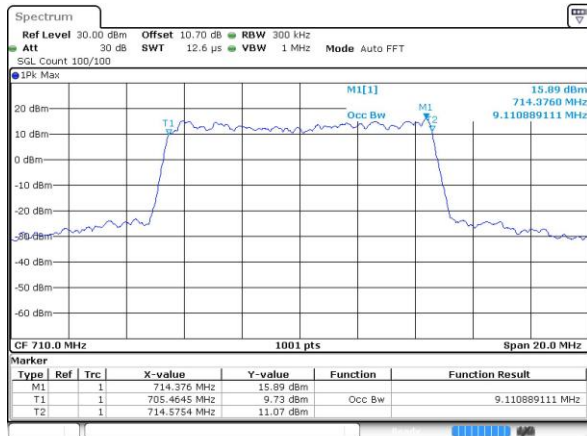
Lowest Channel / 10MHz / QPSK



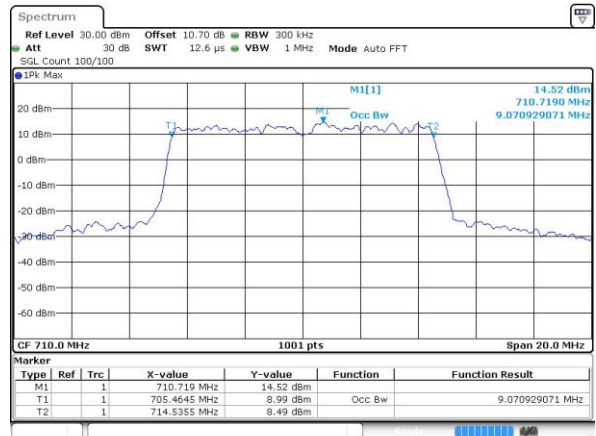
Lowest Channel / 10MHz / 16QAM



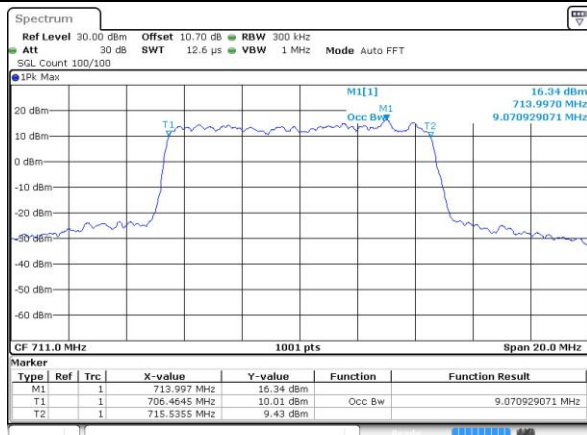
Middle Channel / 10MHz / QPSK



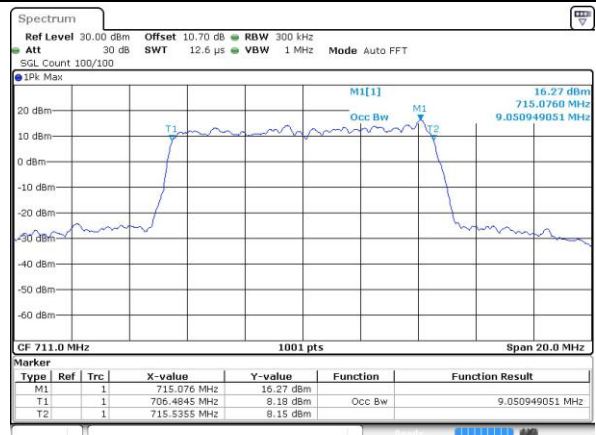
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



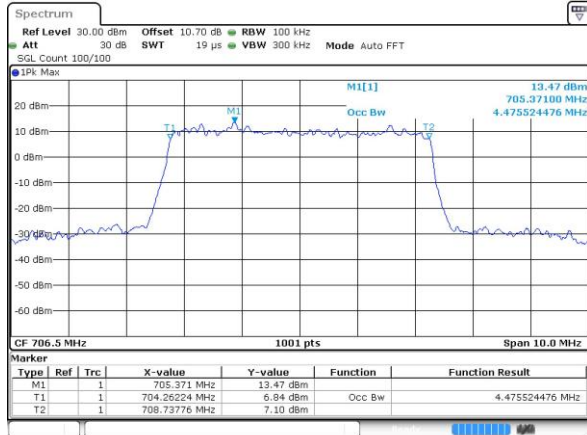
Highest Channel / 10MHz / 16QAM





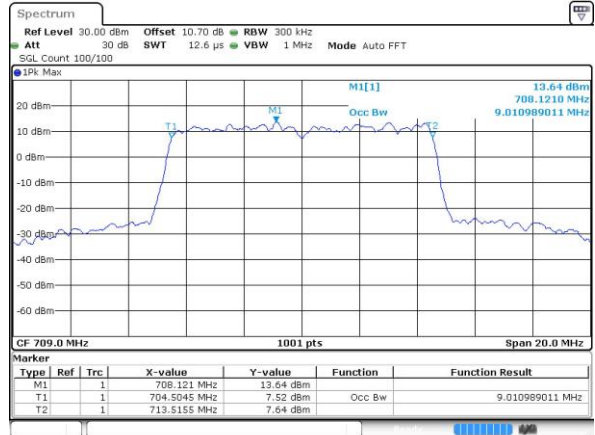
LTE Band 17

Lowest Channel / 5MHz / 64QAM



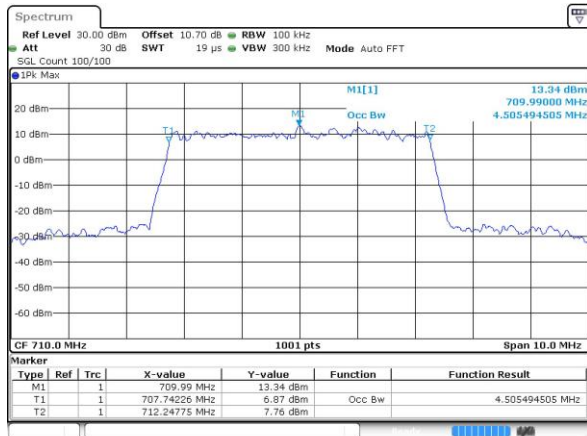
Date: 23 MAR 2019 17:40:44

Lowest Channel / 10MHz / 64QAM



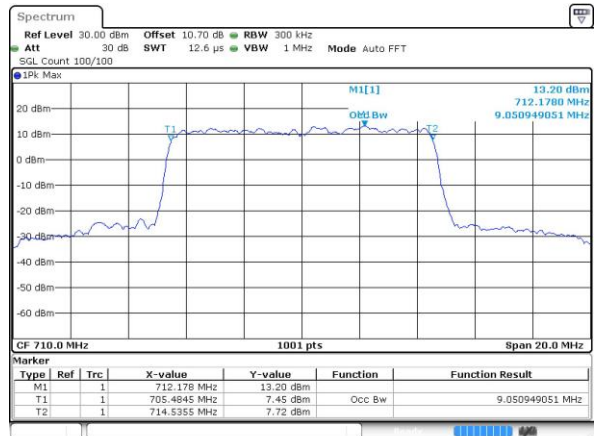
Date: 23 MAR 2019 17:49:15

Middle Channel / 5MHz / 64QAM



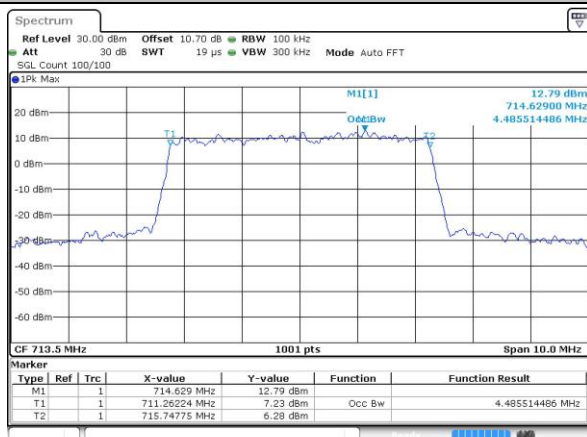
Date: 23 MAR 2019 17:44:22

Middle Channel / 10MHz / 64QAM



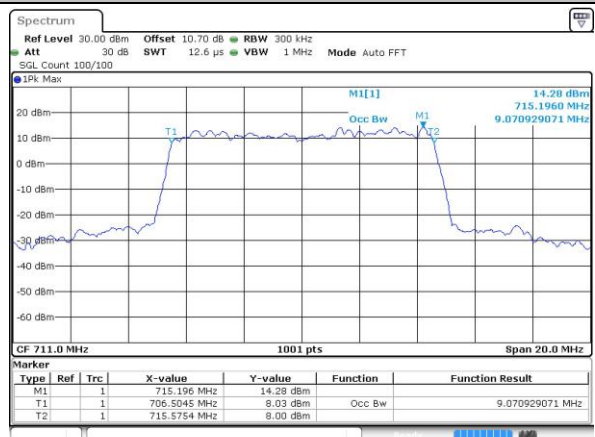
Date: 23 MAR 2019 17:52:52

Highest Channel / 5MHz / 64QAM

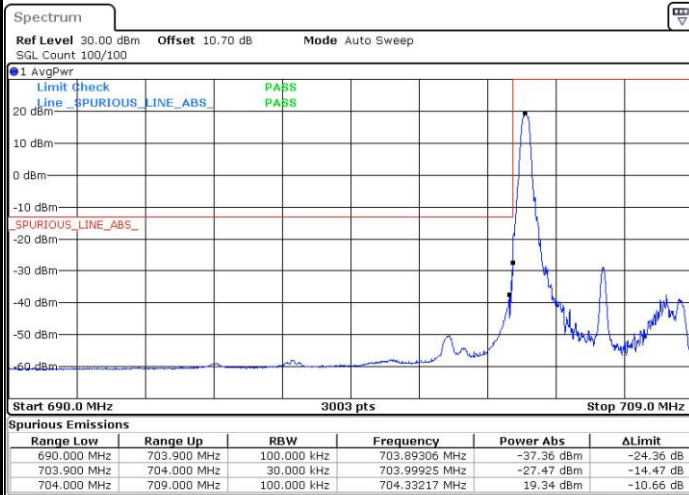
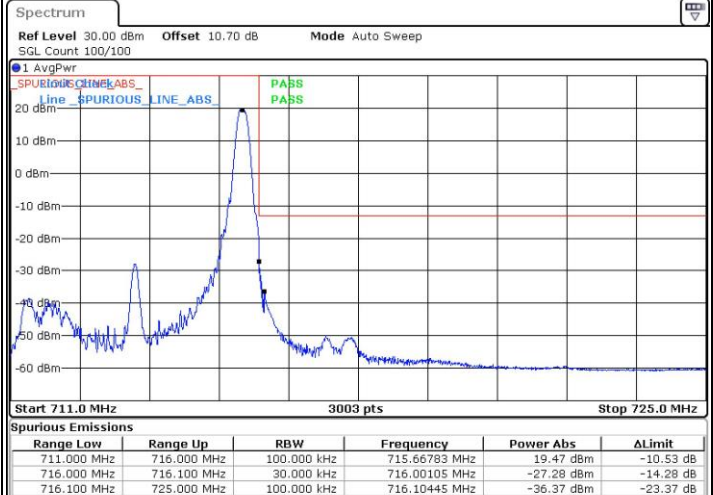


Date: 23 MAR 2019 17:45:36

Highest Channel / 10MHz / 64QAM



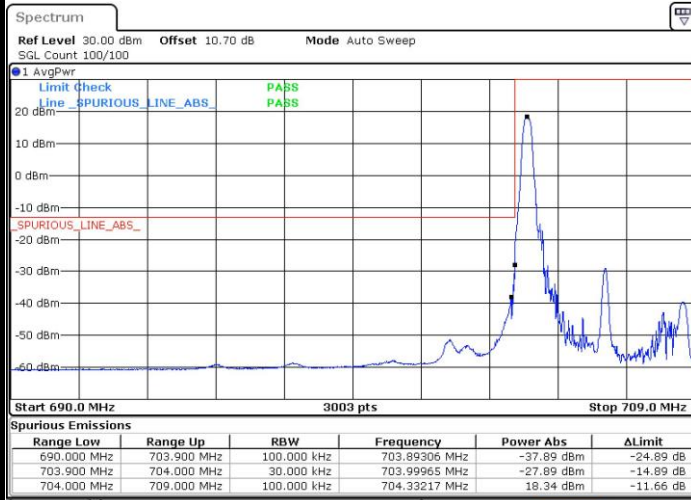
Date: 23 MAR 2019 17:54:07

**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 17 / 5MHz / 16QAM

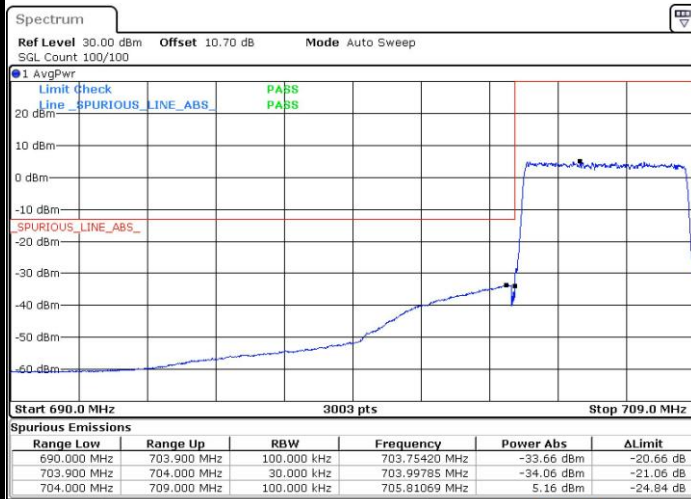
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



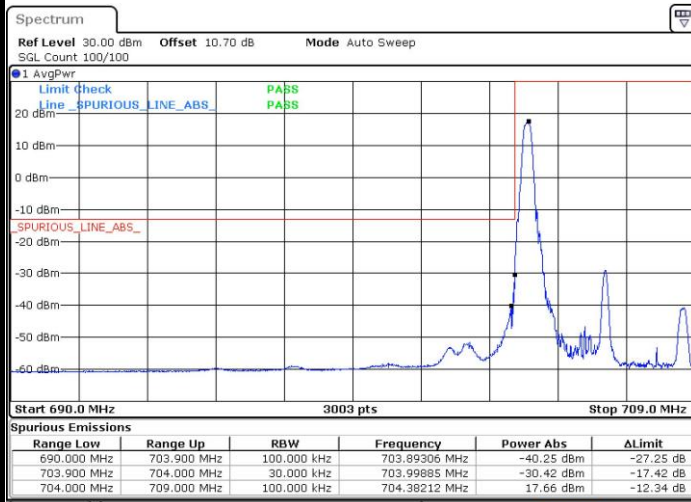
Highest Band Edge / Full RB



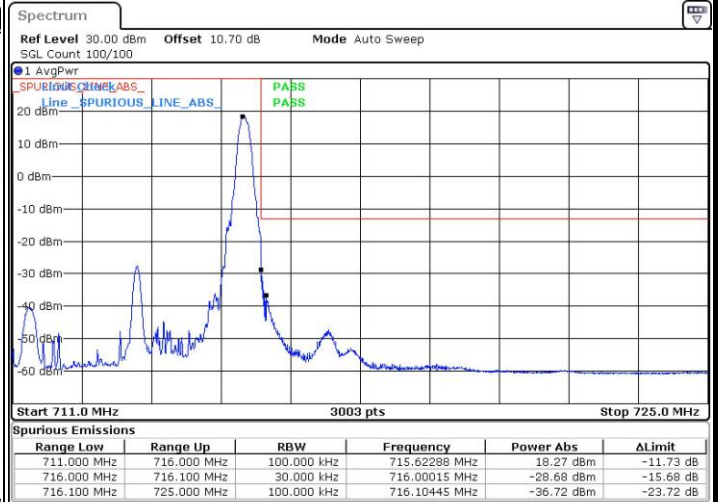


LTE Band 17 / 5MHz / 64QAM

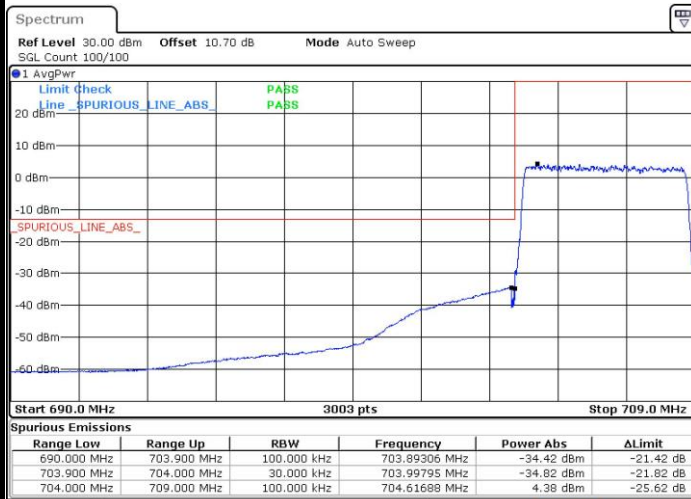
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



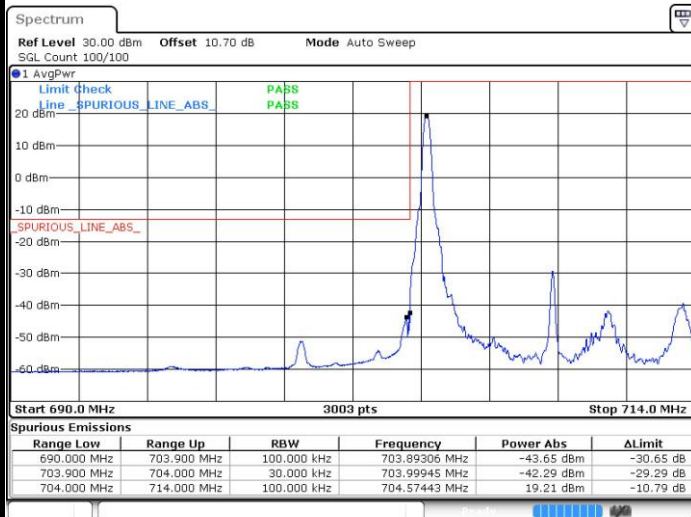
Highest Band Edge / Full RB



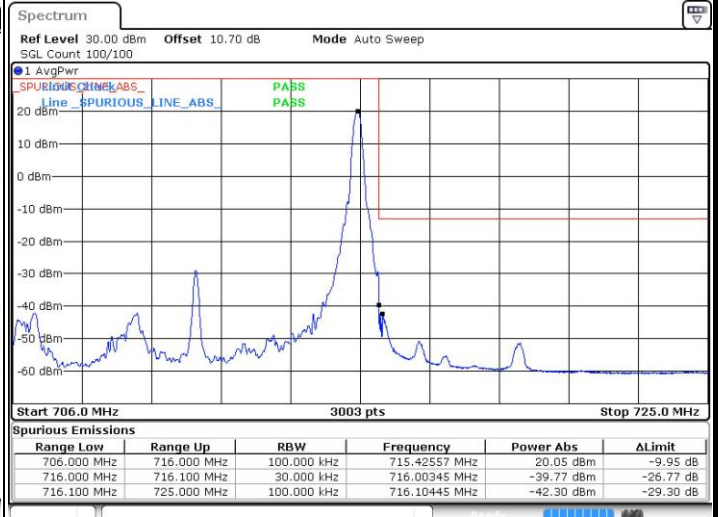


LTE Band 17 / 10MHz / QPSK

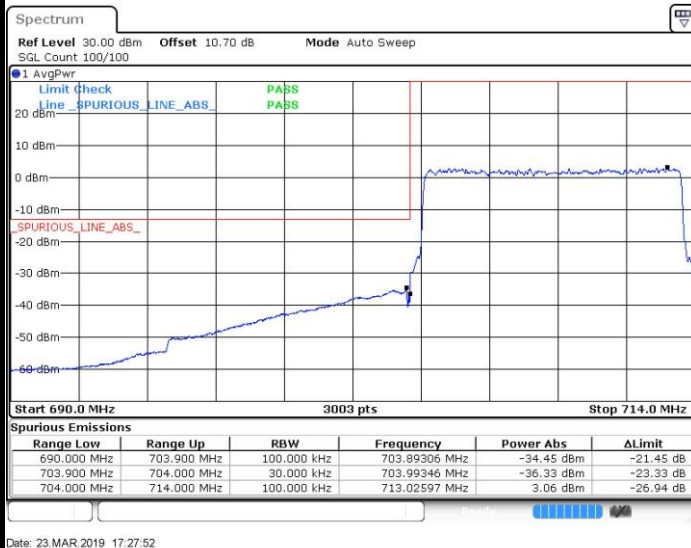
Lowest Band Edge / 1 RB



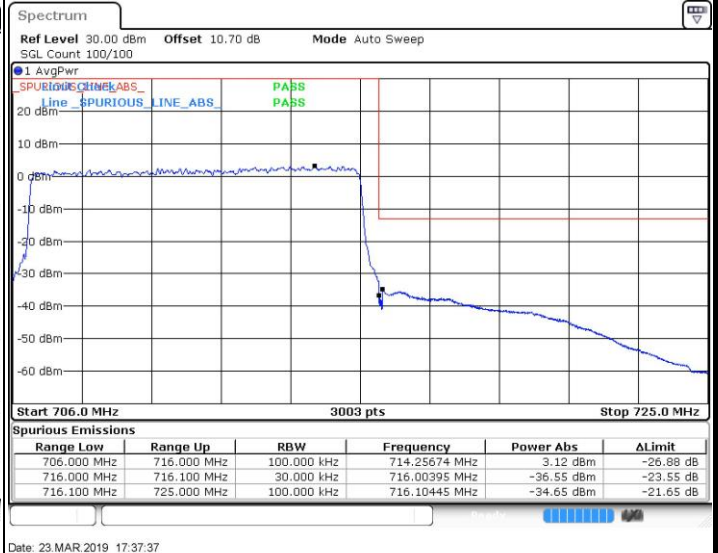
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



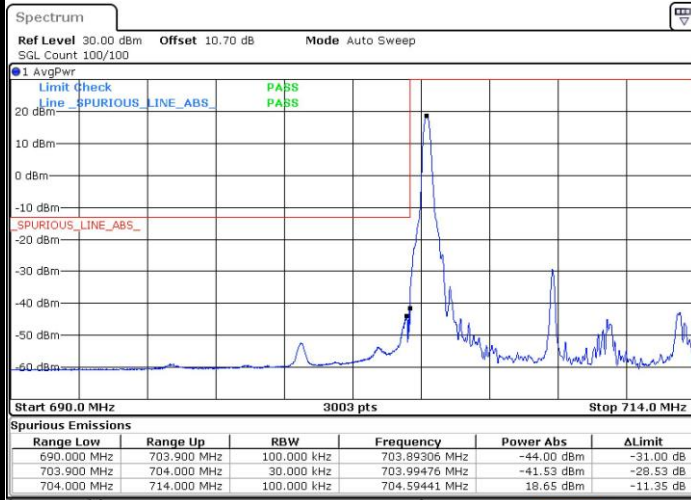
Highest Band Edge / Full RB



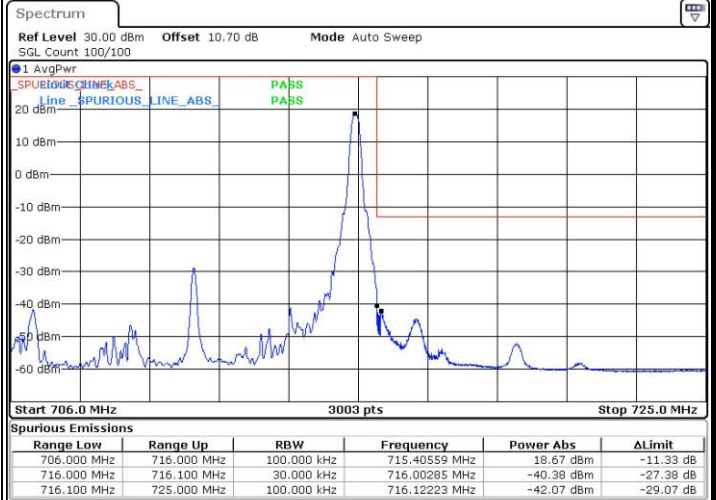


LTE Band 17 / 10MHz / 16QAM

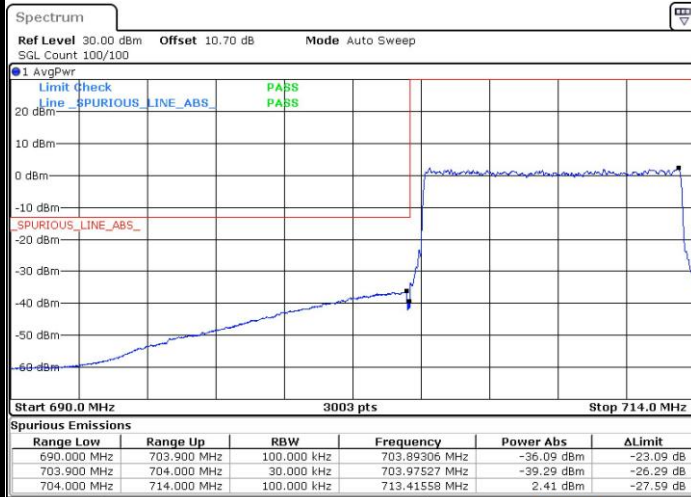
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



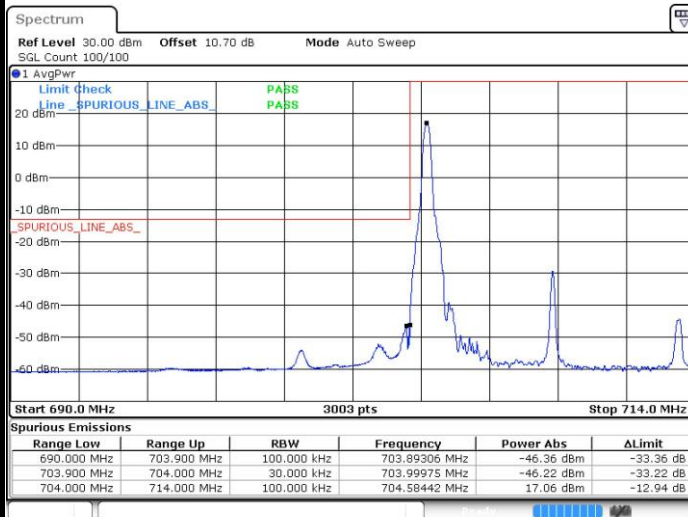
Highest Band Edge / Full RB



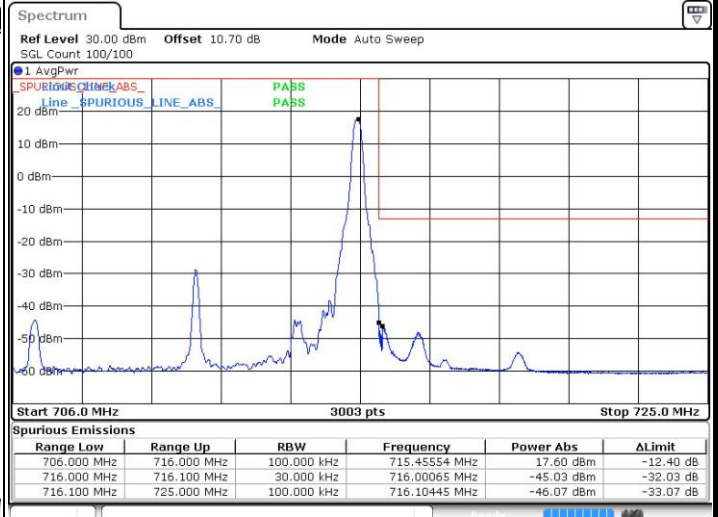


LTE Band 17 / 10MHz / 64QAM

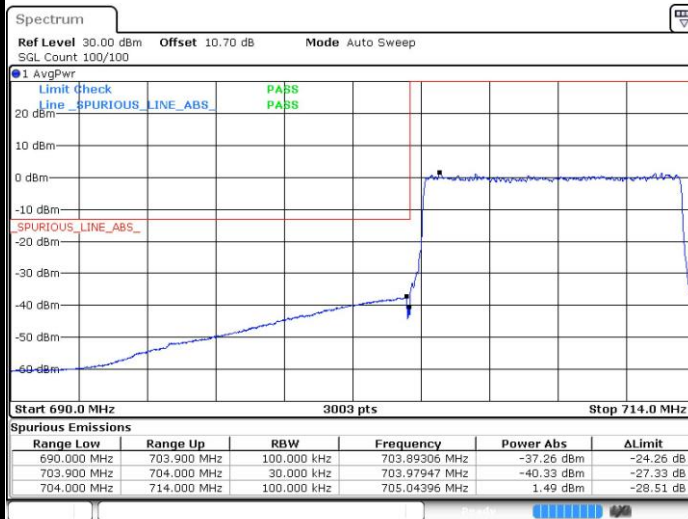
Lowest Band Edge / 1 RB



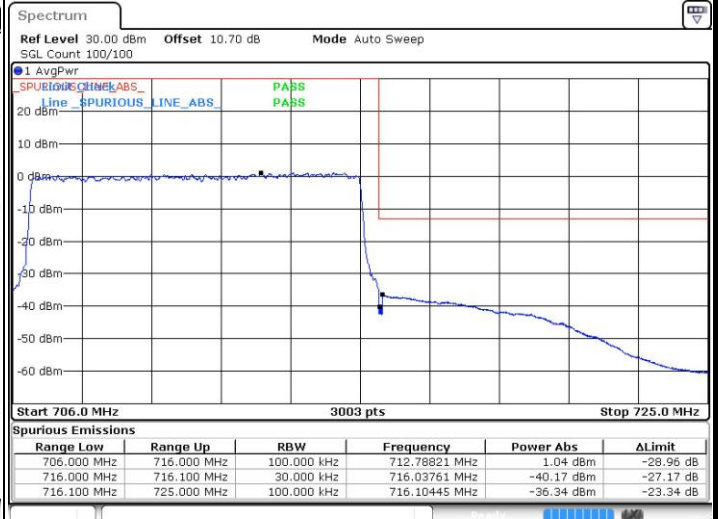
Highest Band Edge / 1 RB

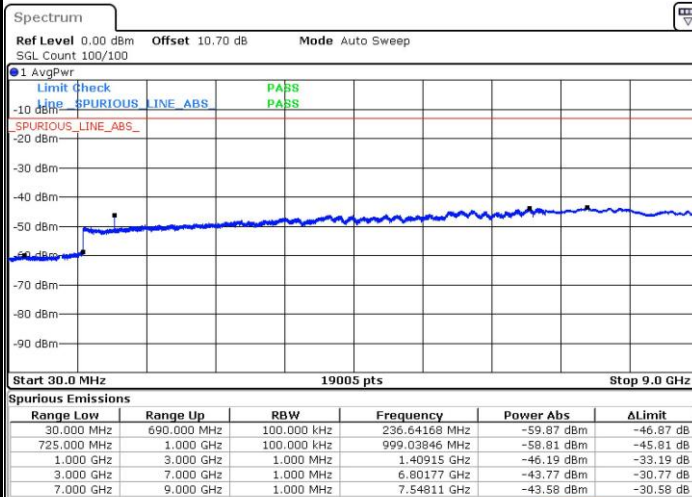


Lowest Band Edge / Full RB

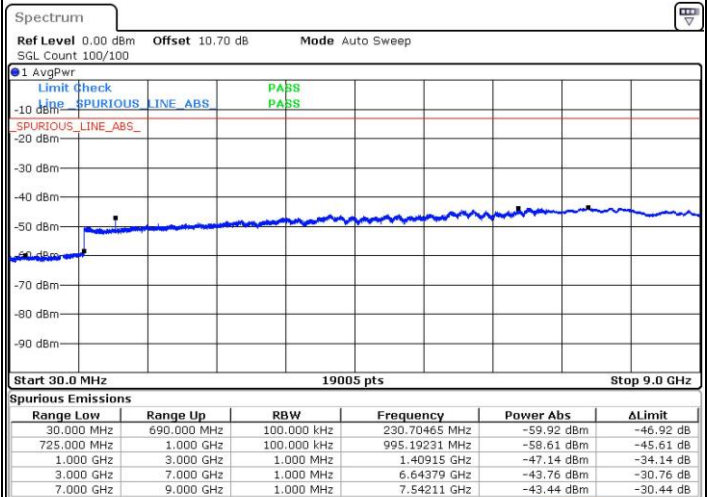


Highest Band Edge / Full RB

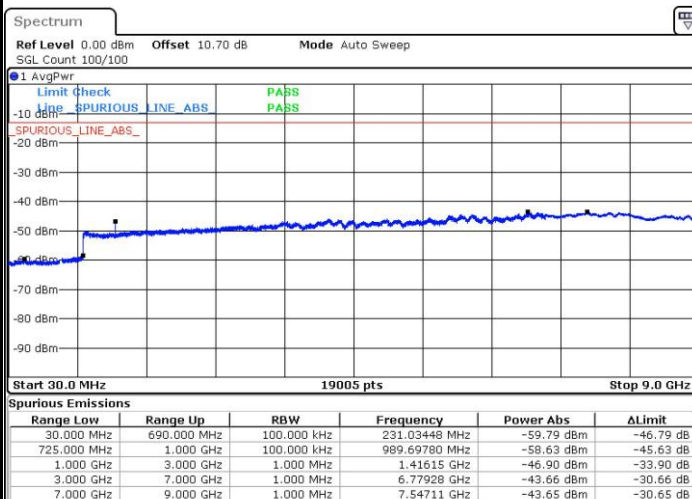


**Conducted Spurious Emission****LTE Band 17 / 5MHz****Lowest Channel / QPSK**

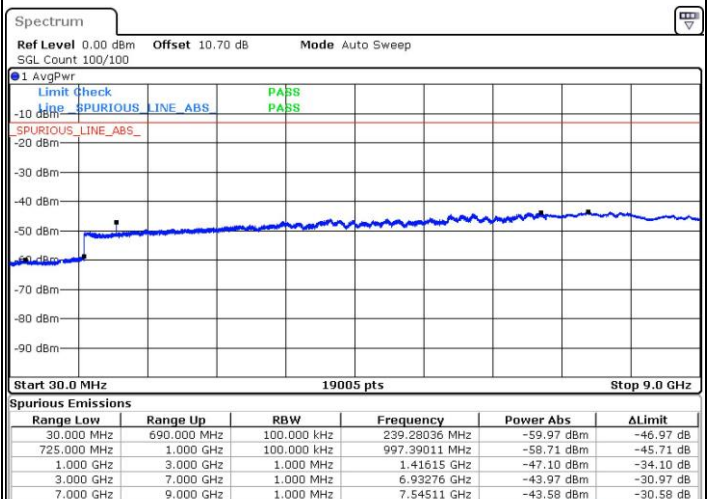
Date: 23 MAR 2019 17:12:52

Lowest Channel / 16QAM

Date: 23 MAR 2019 17:13:43

Middle Channel / QPSK

Date: 23 MAR 2019 17:15:21

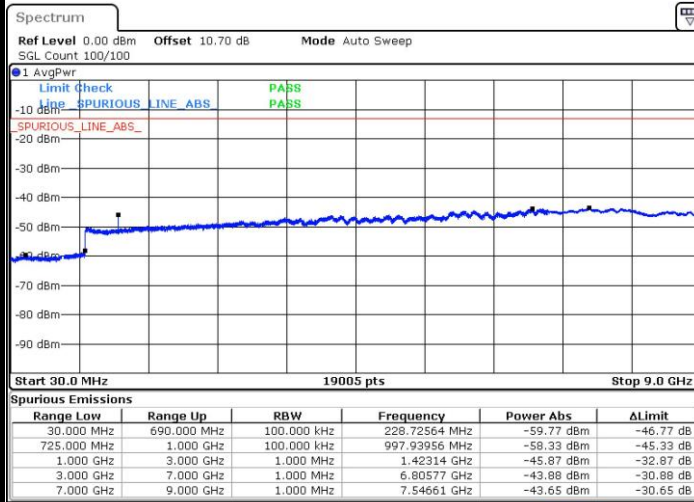
Middle Channel / 16QAM

Date: 23 MAR 2019 17:16:12



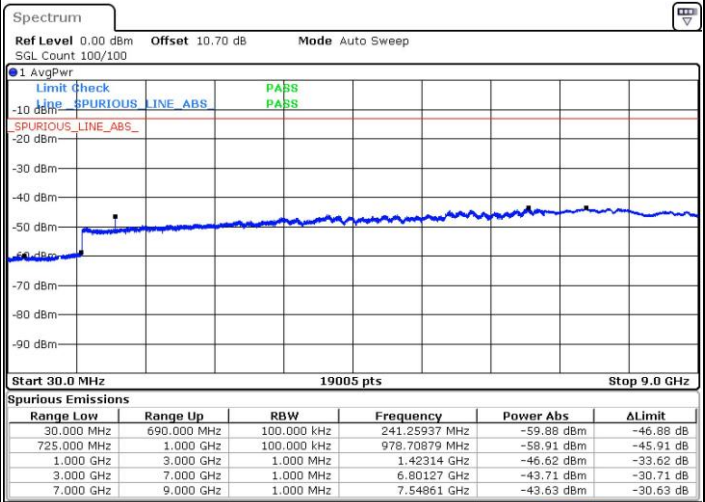
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 23 MAR 2019 17:22:37

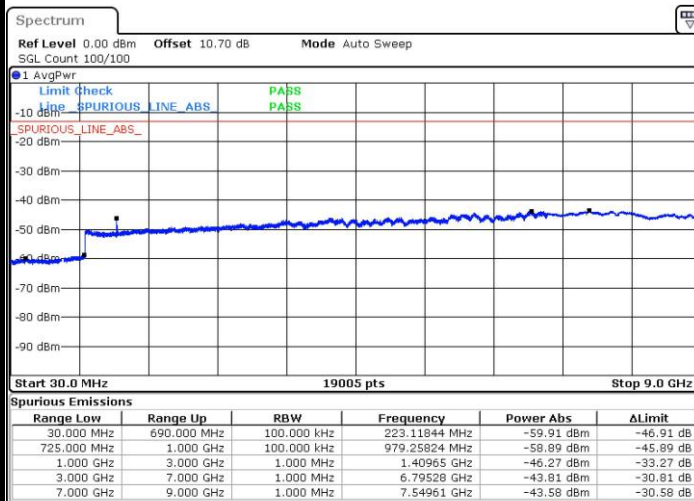
Highest Channel / 16QAM



Date: 23 MAR 2019 17:23:29

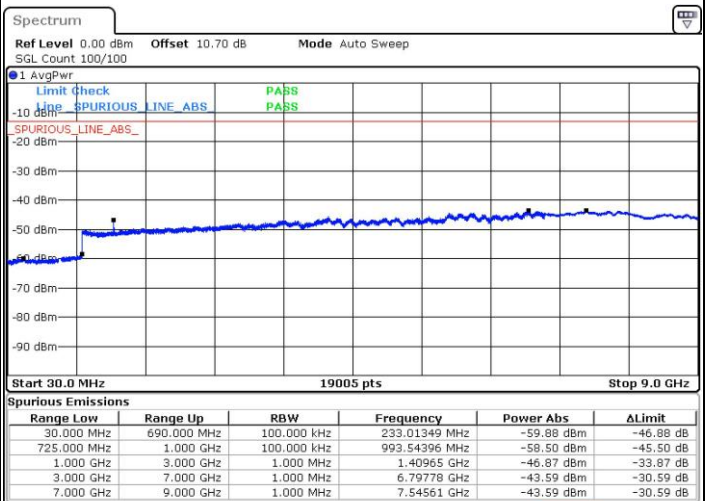
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 23 MAR 2019 17:29:55

Lowest Channel / 16QAM

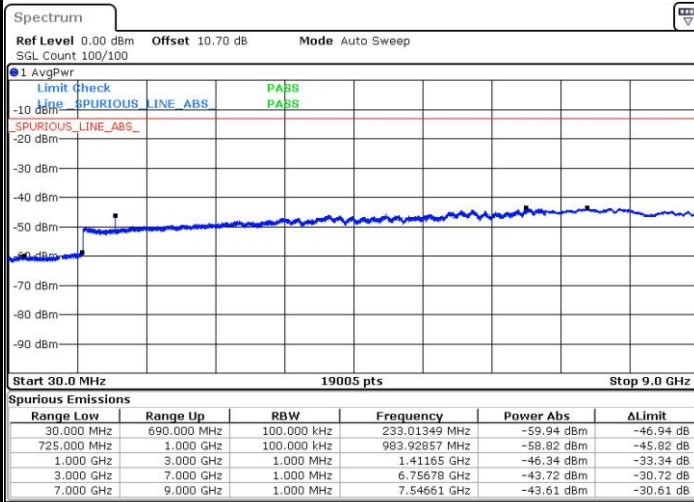


Date: 23 MAR 2019 17:30:46



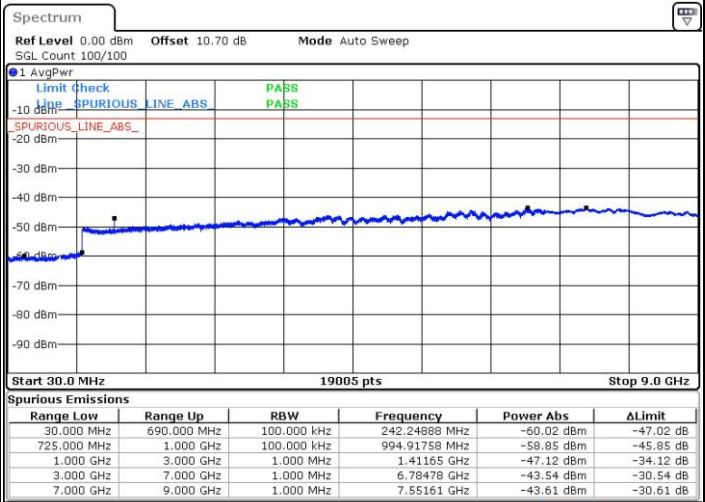
LTE Band 17 / 10MHz

Middle Channel / QPSK



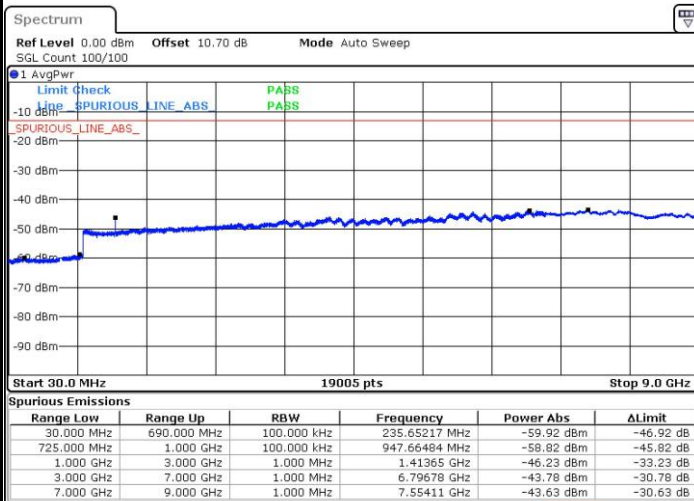
Date: 23 MAR 2019 17:32:24

Middle Channel / 16QAM



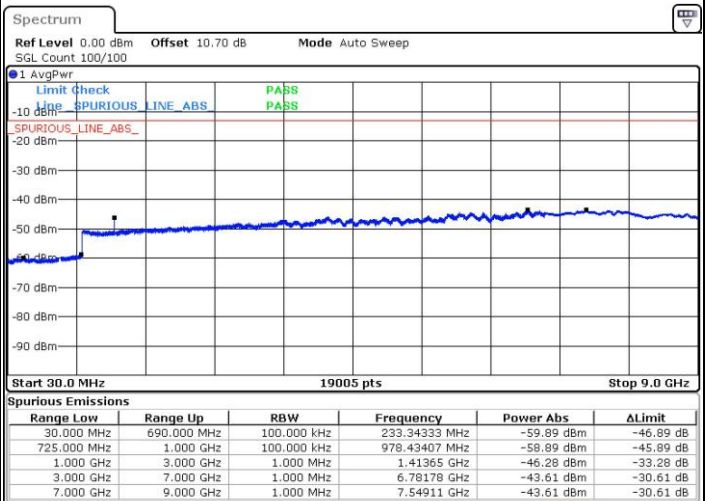
Date: 23 MAR 2019 17:33:15

Highest Channel / QPSK



Date: 23 MAR 2019 17:39:40

Highest Channel / 16QAM

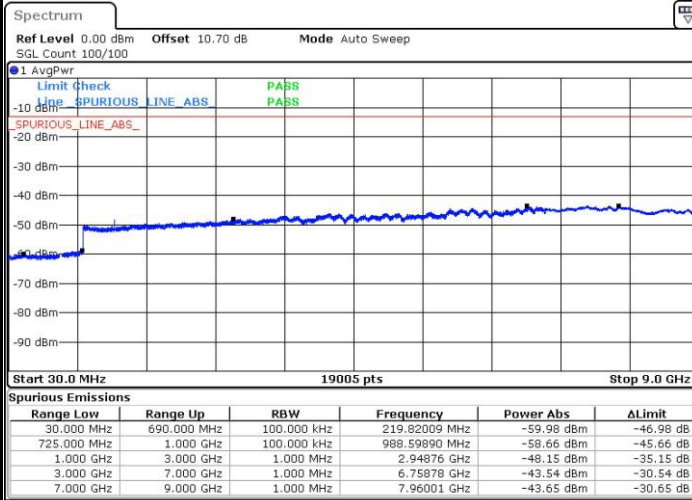


Date: 23 MAR 2019 17:40:31



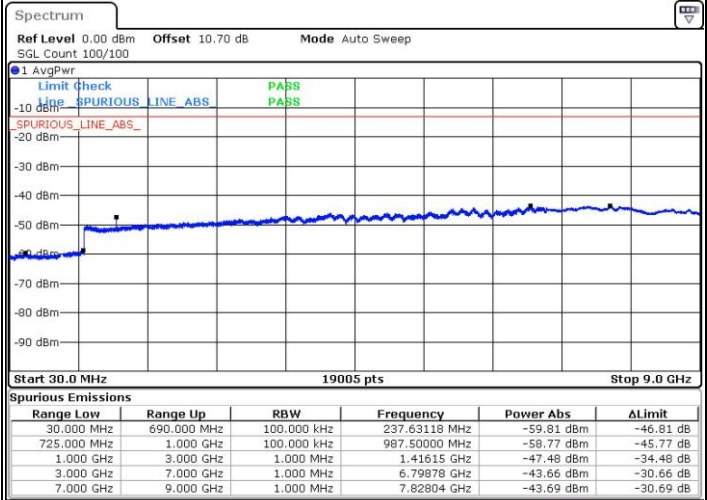
LTE Band 17 / 5MHz

Lowest Channel / 64QAM



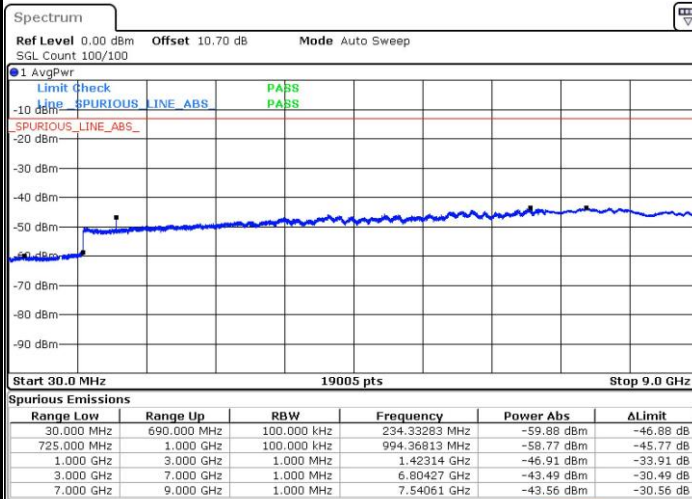
Date: 23 MAR 2019 17:44:10

Middle Channel / 64QAM



Date: 23 MAR 2019 17:45:24

Highest Channel / 64QAM

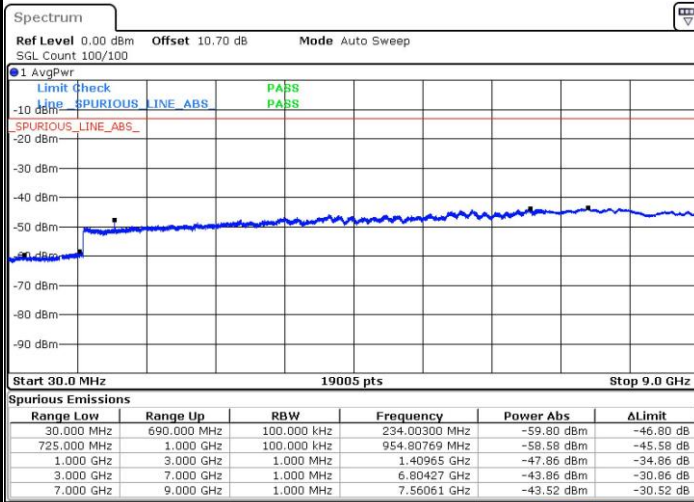


Date: 23 MAR 2019 17:49:02



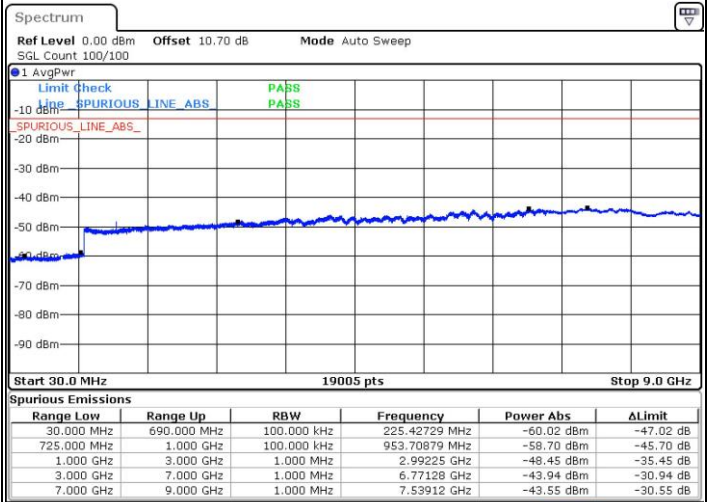
LTE Band 17 / 10MHz

Lowest Channel / 64QAM



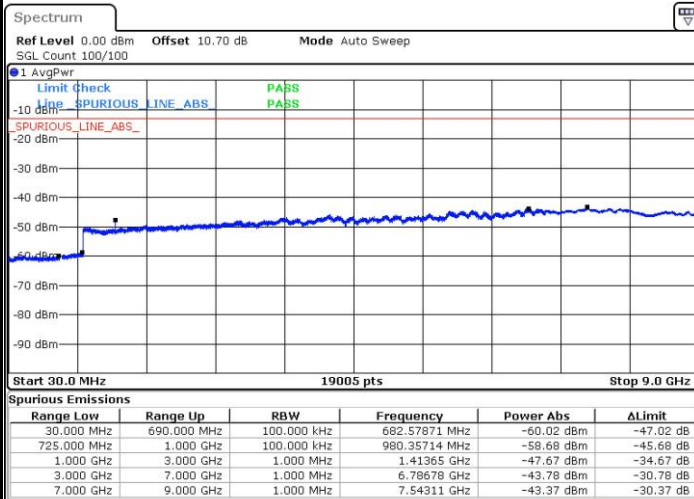
Date: 23 MAR 2019 17:52:40

Middle Channel / 64QAM



Date: 23 MAR 2019 17:53:55

Highest Channel / 64QAM



Date: 23 MAR 2019 17:57:32

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0096	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0068	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0077	
-30	Normal Voltage	0.0087	
20	Maximum Voltage	0.0103	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0070	

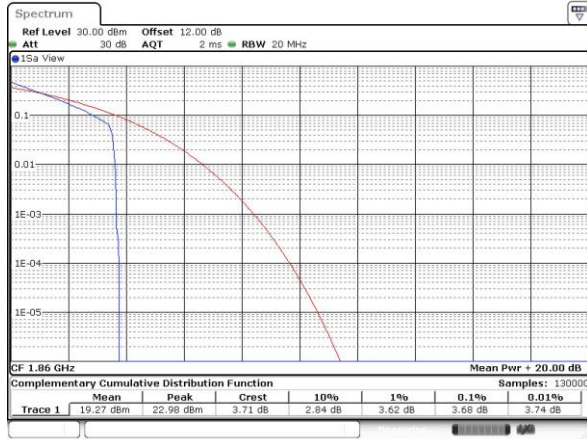
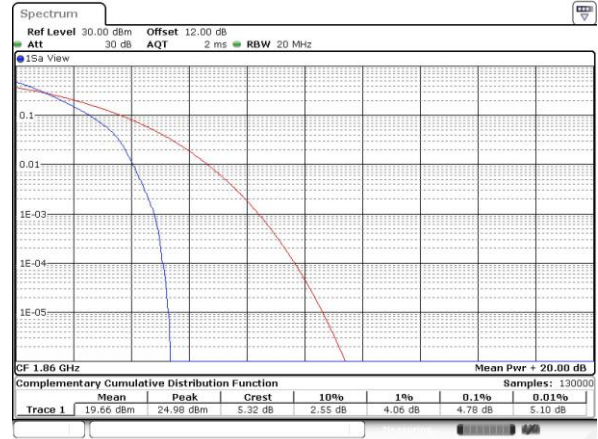
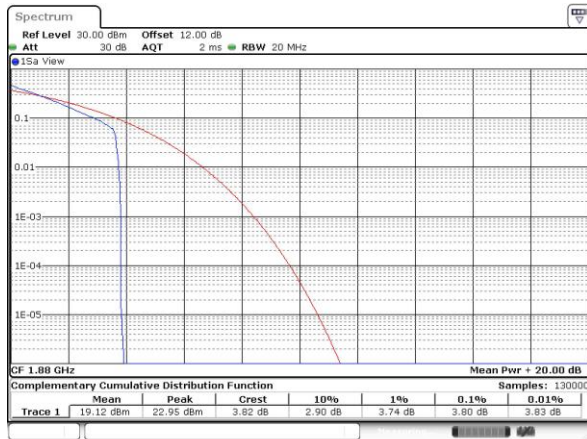
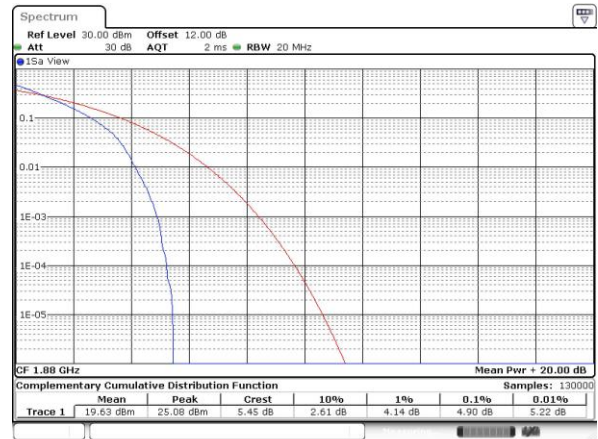
Note:

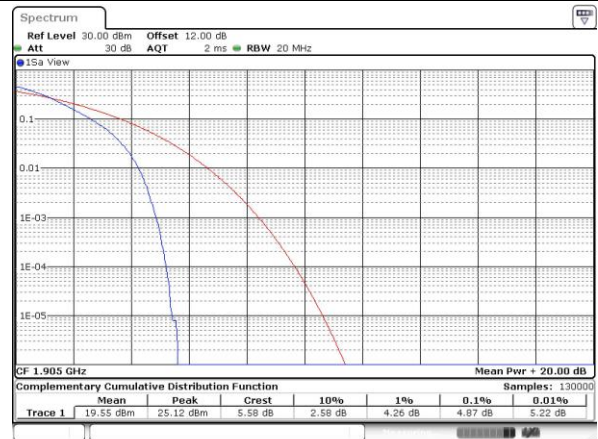
1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

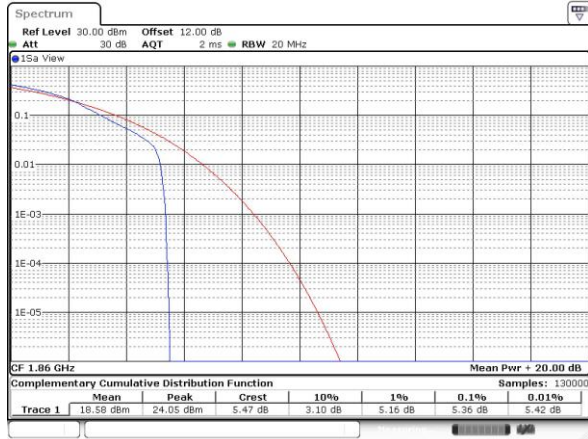
LTE Band 25

Peak-to-Average Ratio

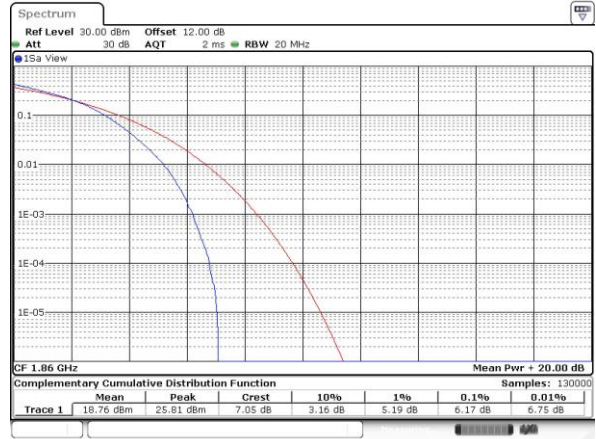
Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.68	4.78	5.36	6.17	PASS
Middle CH	3.8	4.9	5.51	6.14	
Highest CH	3.8	4.87	5.36	6.17	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.87	6.75	-	-	PASS
Middle CH	7.01	6.78	-	-	
Highest CH	6.61	6.70	-	-	

LTE Band 25 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

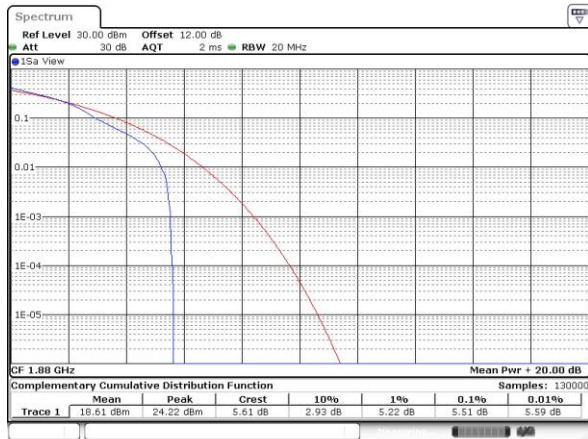
Highest Channel / Full RB


LTE Band 25 / 20MHz / 16QAM
Lowest Channel / 1RB


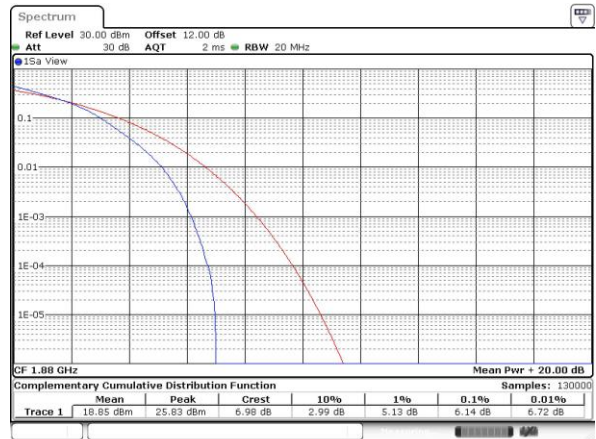
Date: 26 MAR 2019 07:10:42

Lowest Channel / Full RB


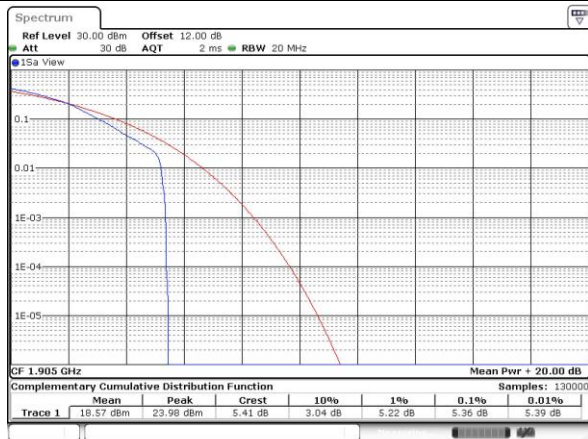
Date: 26 MAR 2019 07:10:53

Middle Channel / 1RB


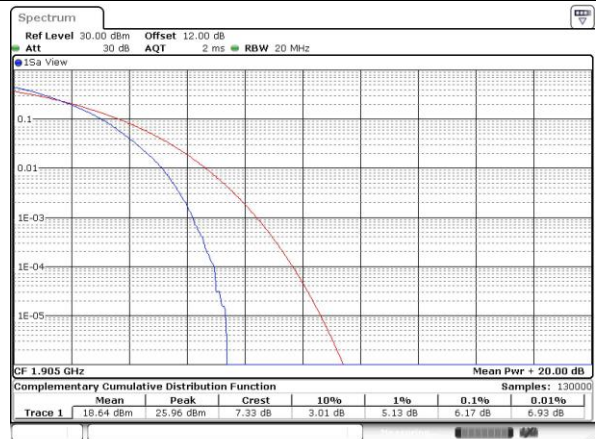
Date: 26 MAR 2019 07:11:26

Middle Channel / Full RB


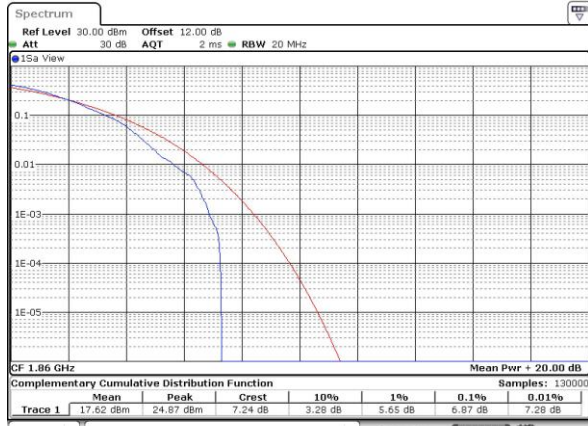
Date: 26 MAR 2019 07:11:37

Highest Channel / 1RB


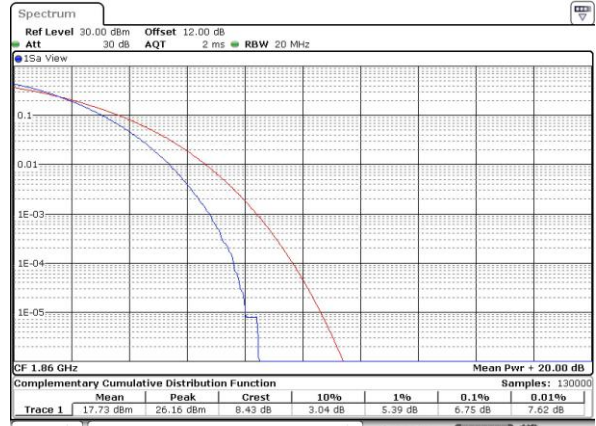
Date: 26 MAR 2019 07:12:10

Highest Channel / Full RB


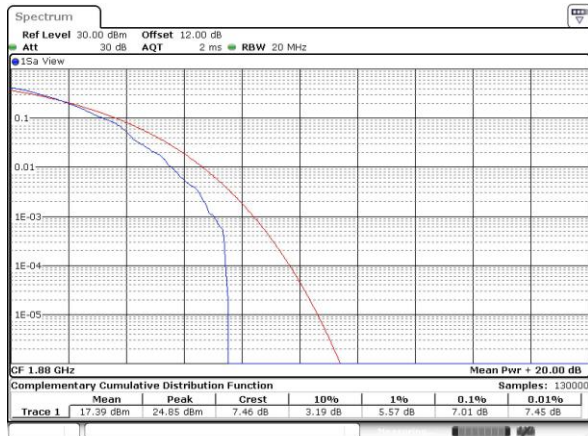
Date: 26 MAR 2019 07:16:21

LTE Band 25 / 20MHz / 64QAM
Lowest Channel / 1RB


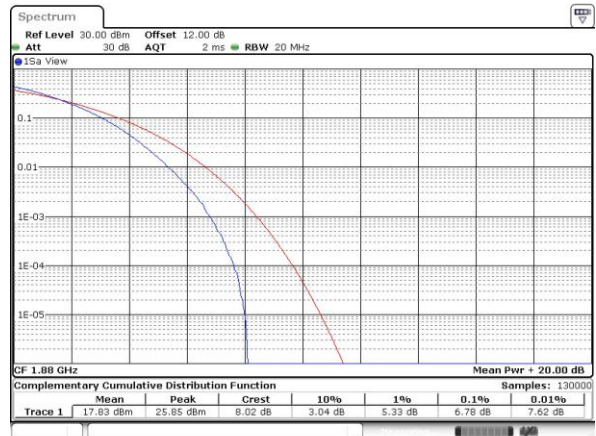
Date: 26 MAR 2019 07:09:36

Lowest Channel / Full RB


Date: 26 MAR 2019 07:09:47

Middle Channel / 1RB


Date: 26 MAR 2019 07:09:58

Middle Channel / Full RB


Date: 26 MAR 2019 07:10:09

Highest Channel / 1RB


Date: 26 MAR 2019 07:10:20

Highest Channel / Full RB


Date: 26 MAR 2019 07:10:31

**26dB Bandwidth**

Mode	LTE Band 25 : 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	1.24	1.22	3.05	3.04	5.00	4.91	9.73	9.71	14.60	14.39	18.94	18.62
Middle CH	1.22	1.23	2.96	3.00	4.86	4.88	9.91	9.77	14.36	14.39	18.98	18.94
Highest CH	1.23	1.22	3.06	3.04	4.84	4.92	9.63	9.75	14.30	14.57	19.02	19.30
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24	-	3.03	-	4.96	-	9.83	-	14.45	-	18.94	-
Middle CH	1.25	-	3.02	-	4.87	-	9.85	-	14.80	-	19.26	-
Highest CH	1.24	-	3.01	-	4.89	-	9.91	-	14.27	-	18.66	-