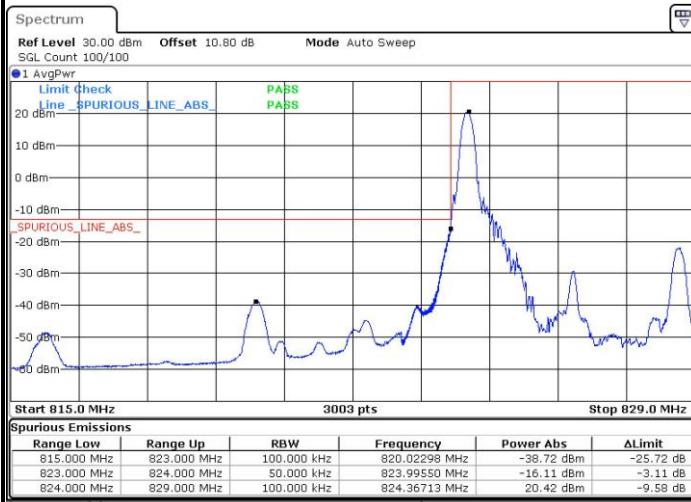


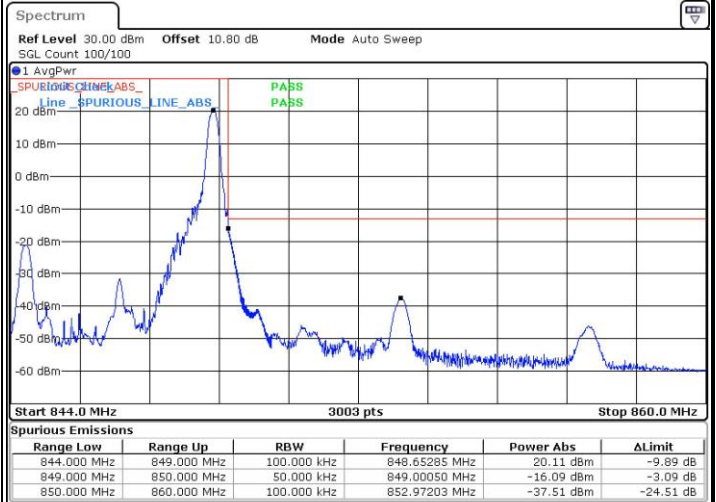


LTE Band 5 / 5MHz / 16QAM

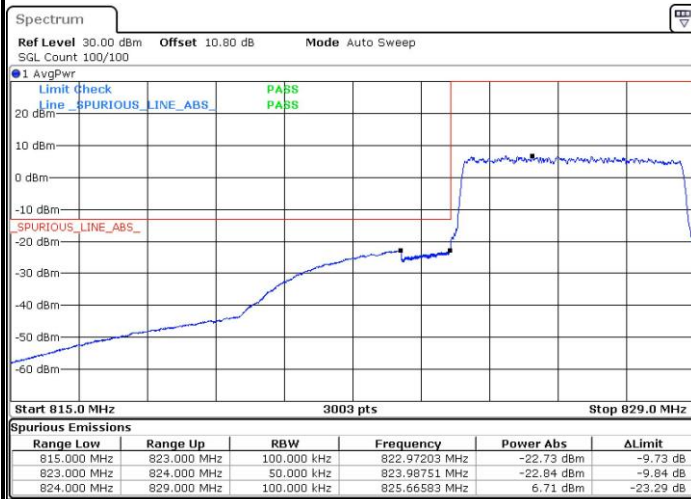
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



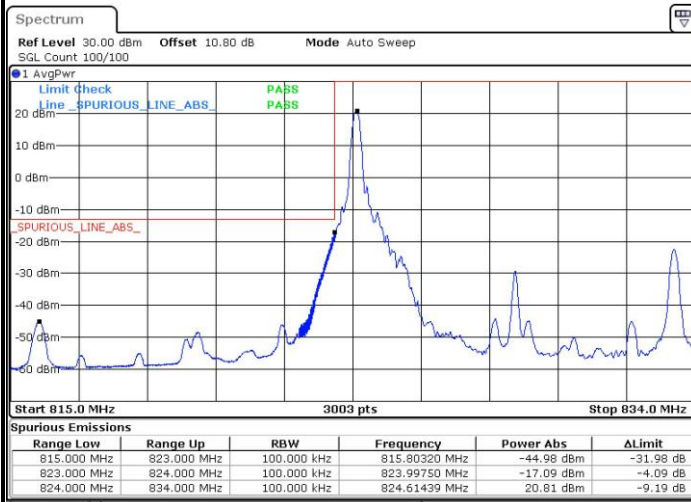
Highest Band Edge / Full RB





LTE Band 5 / 10MHz / QPSK

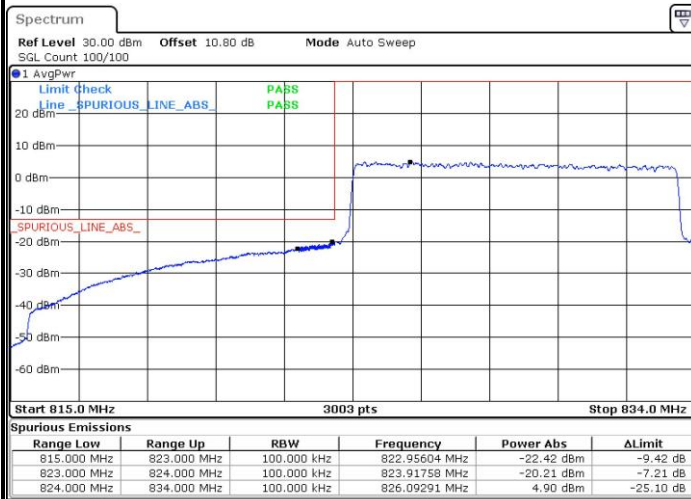
Lowest Band Edge / 1 RB



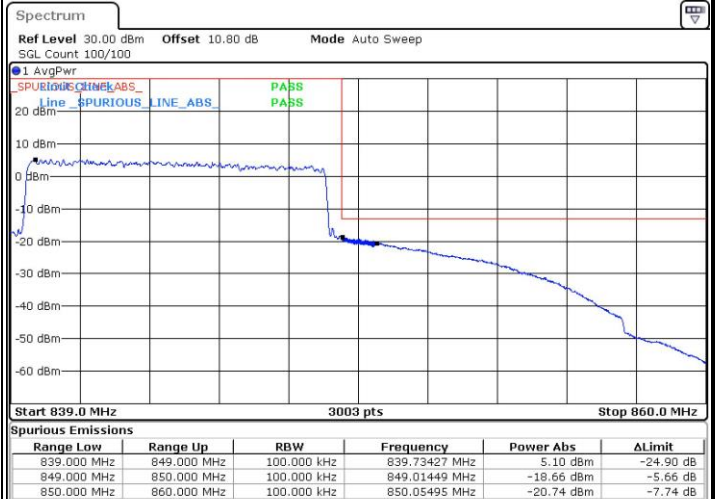
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



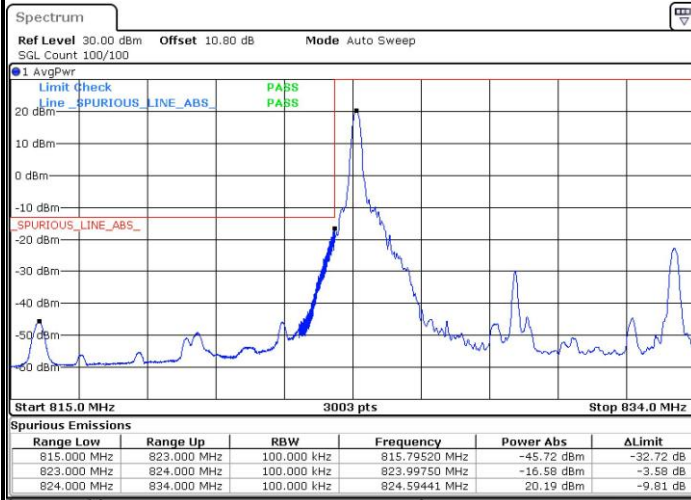
Highest Band Edge / Full RB



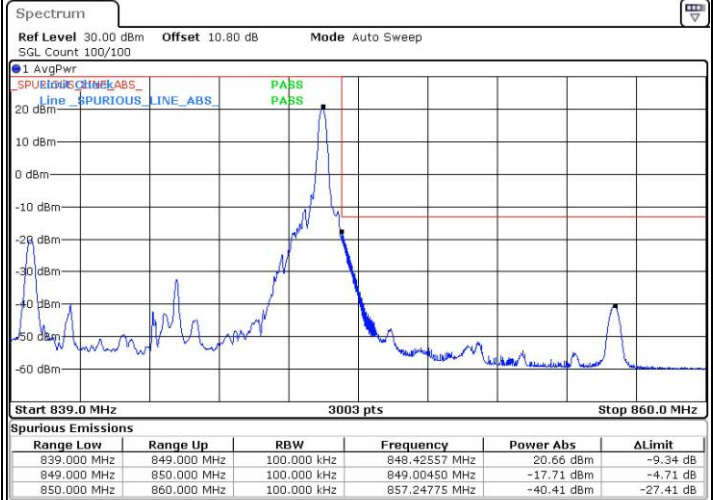


LTE Band 5 / 10MHz / 16QAM

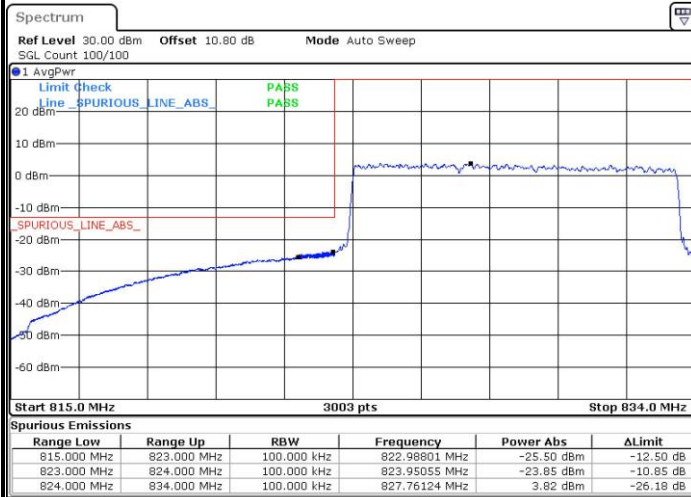
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

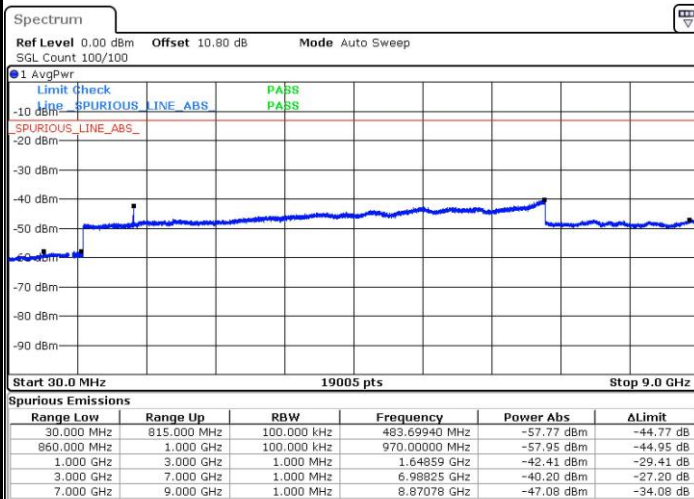




Conducted Spurious Emission

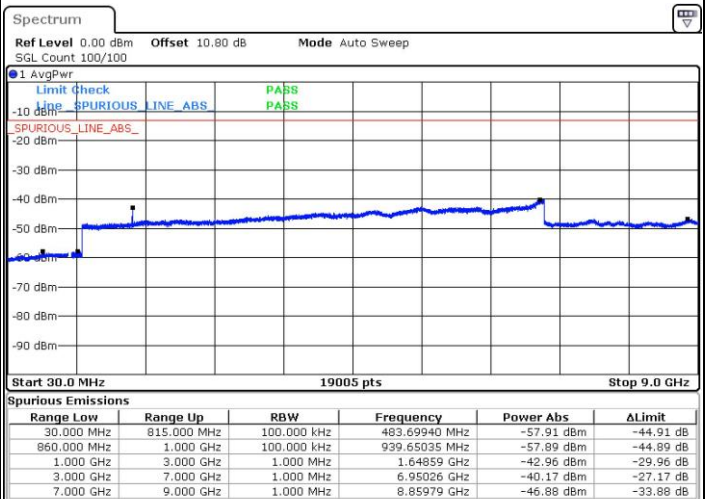
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



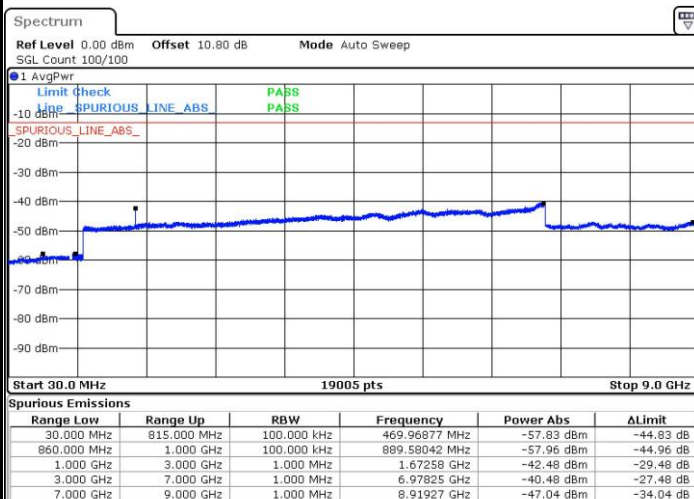
Date: 8.OCT.2016 10:25:27

Lowest Channel / 16QAM



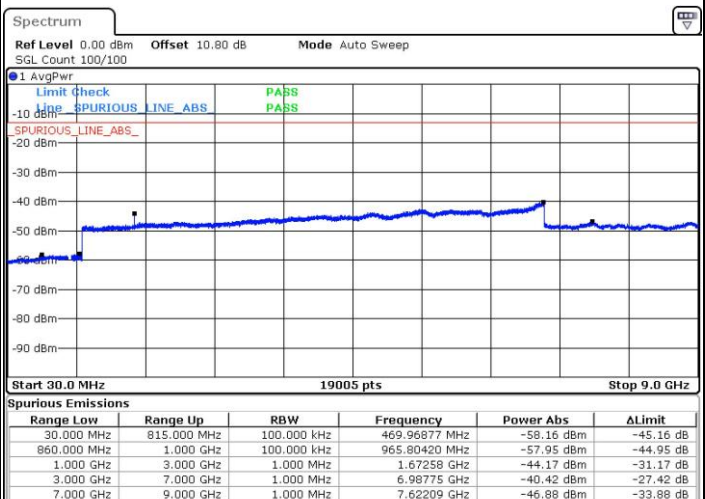
Date: 8.OCT.2016 10:26:26

Middle Channel / QPSK



Date: 8.OCT.2016 10:28:11

Middle Channel / 16QAM

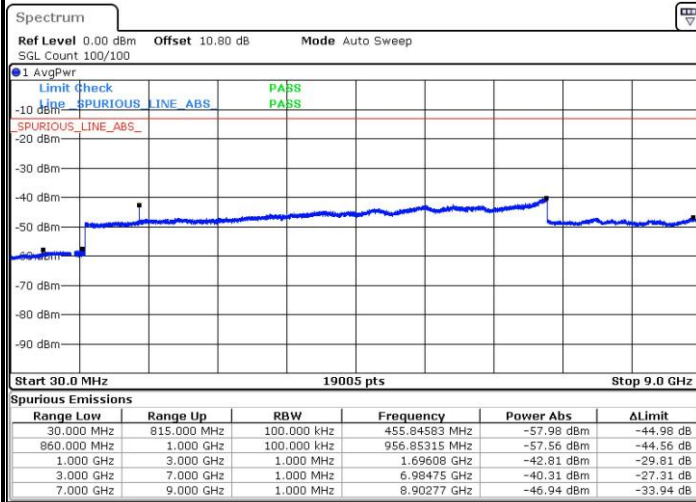


Date: 8.OCT.2016 10:29:10



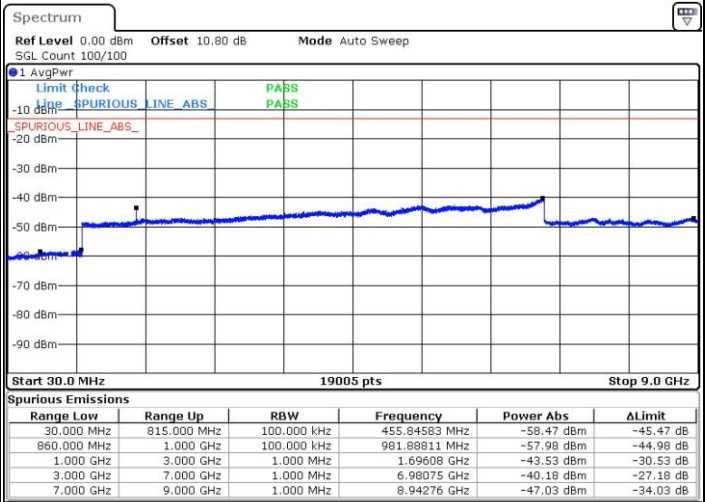
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 8.OCT.2016 10:37:33

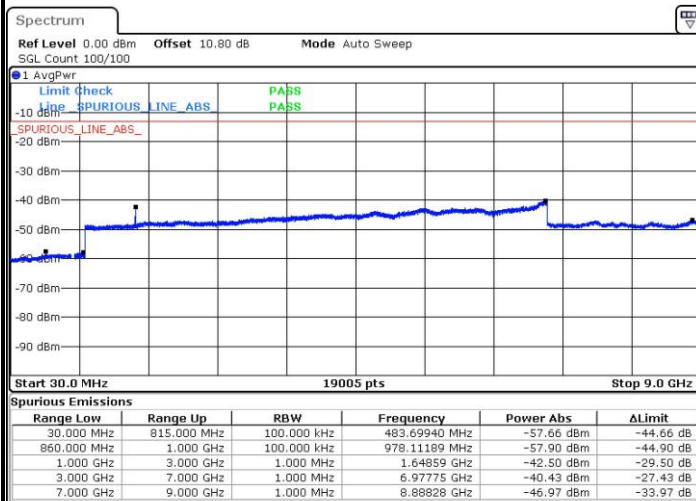
Highest Channel / 16QAM



Date: 8.OCT.2016 10:38:32

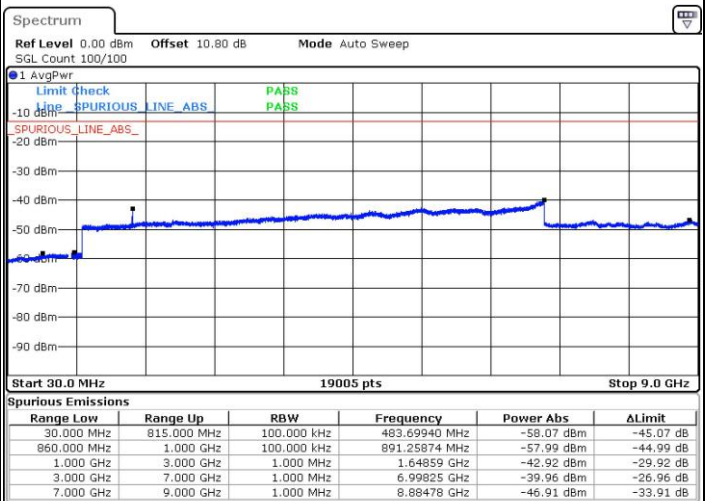
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 8.OCT.2016 09:21:01

Lowest Channel / 16QAM

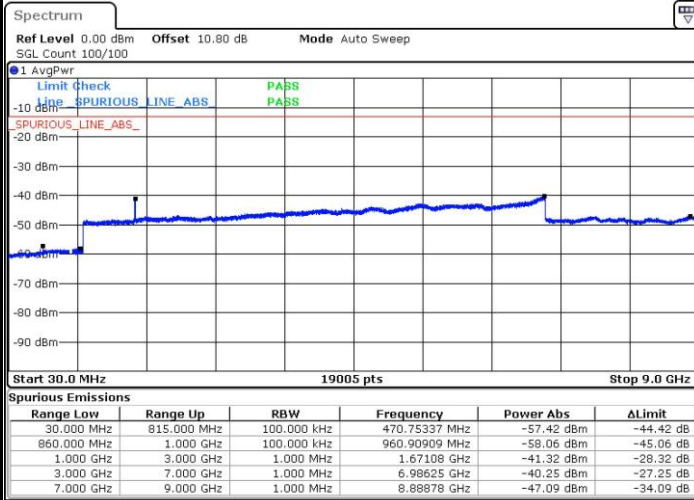


Date: 8.OCT.2016 09:22:00



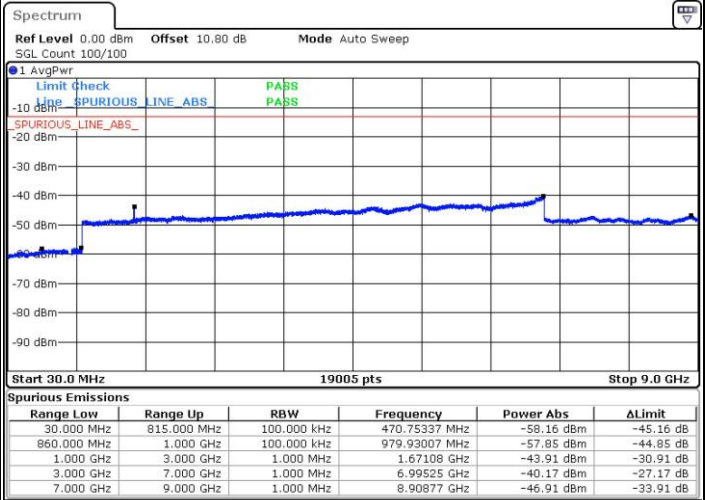
LTE Band 5 / 3MHz

Middle Channel / QPSK



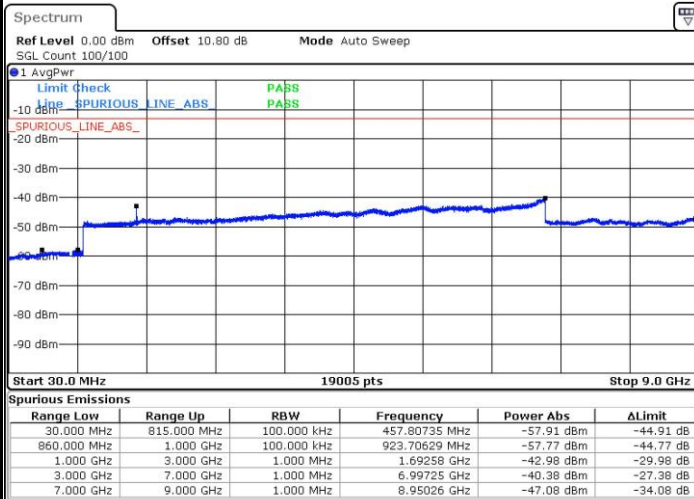
Date: 8.OCT.2016 09:23:46

Middle Channel / 16QAM



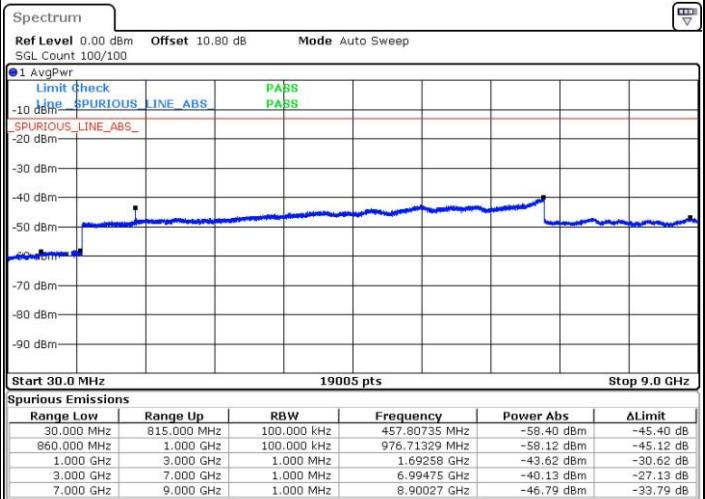
Date: 8.OCT.2016 09:24:44

Highest Channel / QPSK



Date: 8.OCT.2016 09:33:08

Highest Channel / 16QAM

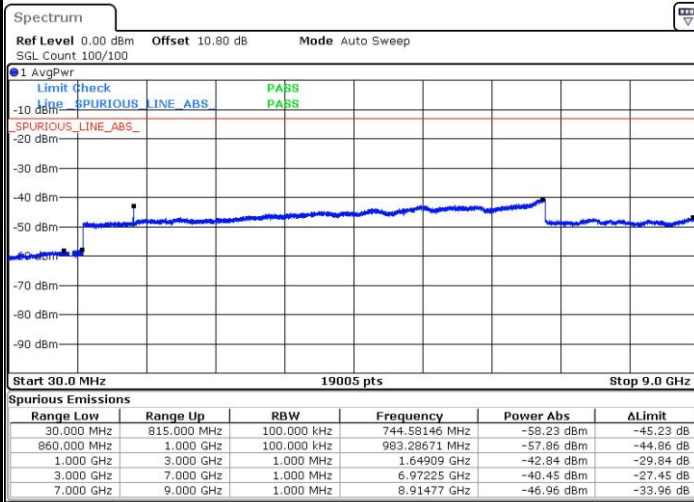


Date: 8.OCT.2016 09:34:06



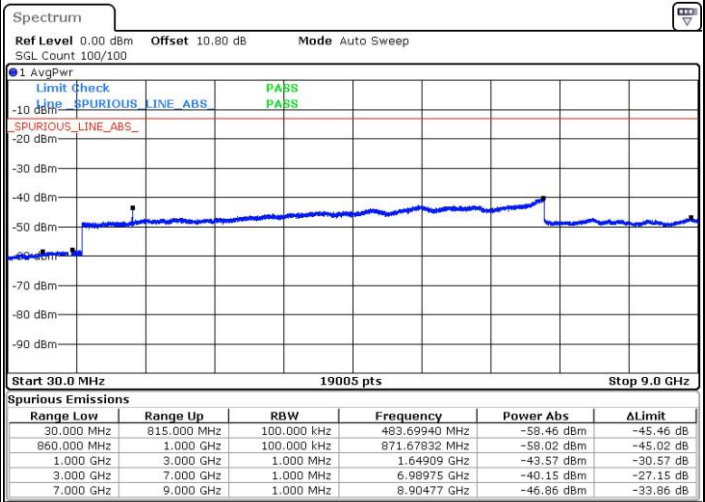
LTE Band 5 / 5MHz

Lowest Channel / QPSK



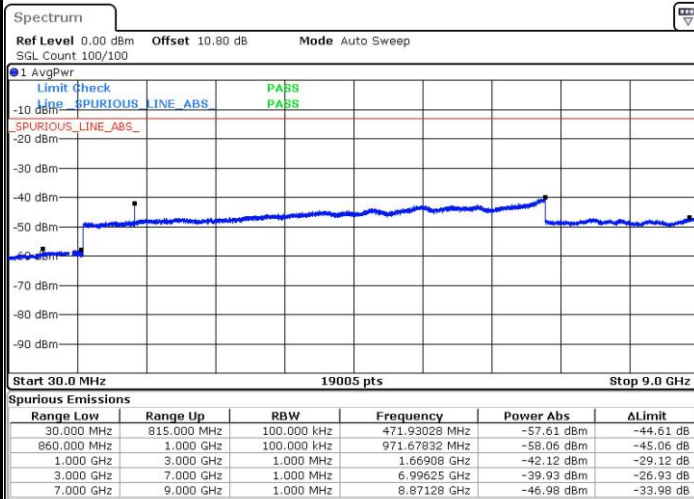
Date: 8.OCT.2016 09:42:30

Lowest Channel / 16QAM



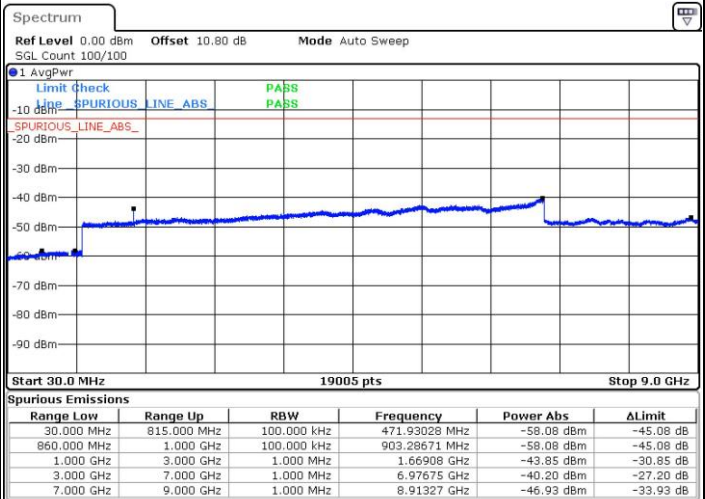
Date: 8.OCT.2016 09:43:29

Middle Channel / QPSK



Date: 8.OCT.2016 09:45:14

Middle Channel / 16QAM

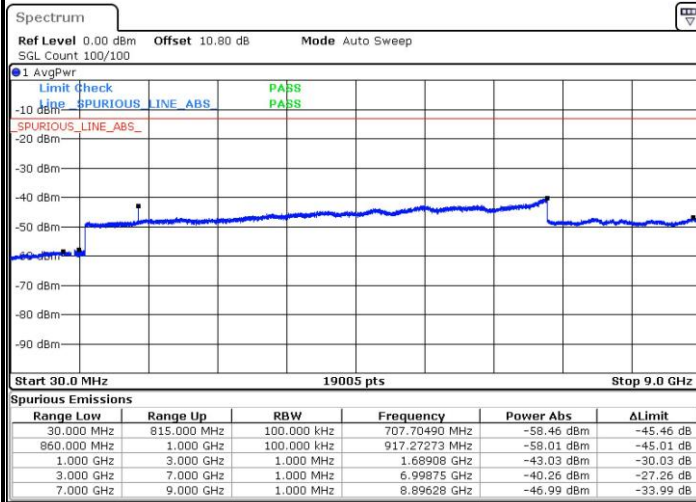


Date: 8.OCT.2016 09:46:13



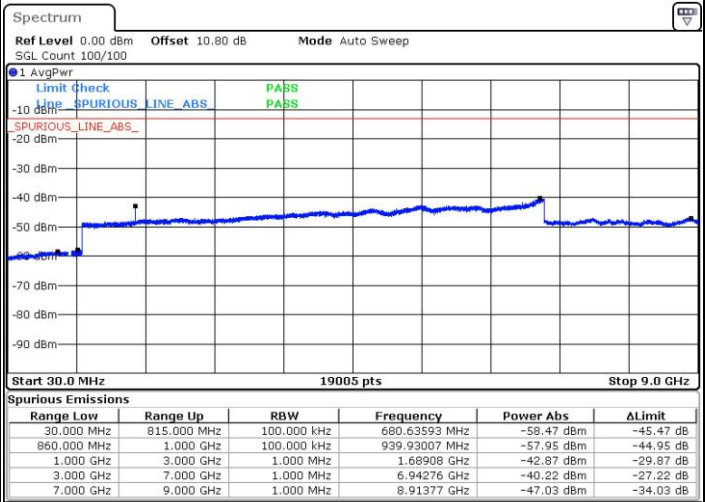
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 8.OCT.2016 09:54:36

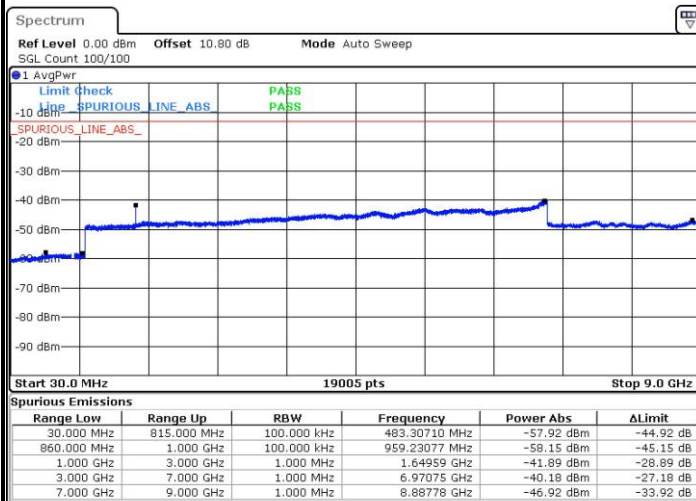
Highest Channel / 16QAM



Date: 8.OCT.2016 09:55:35

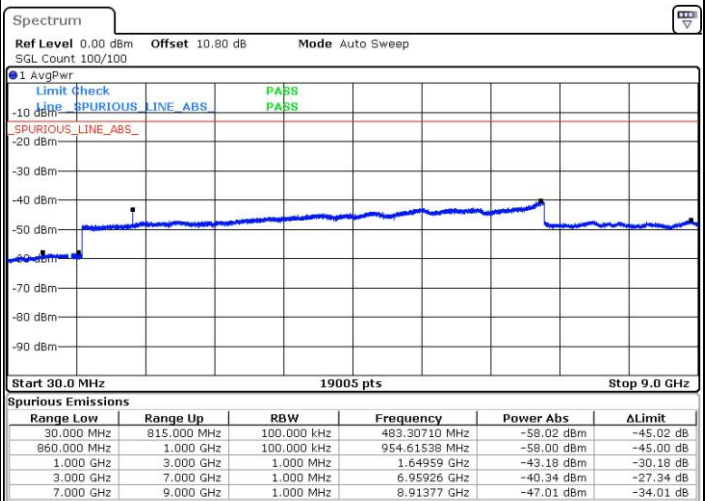
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 8.OCT.2016 10:03:59

Lowest Channel / 16QAM

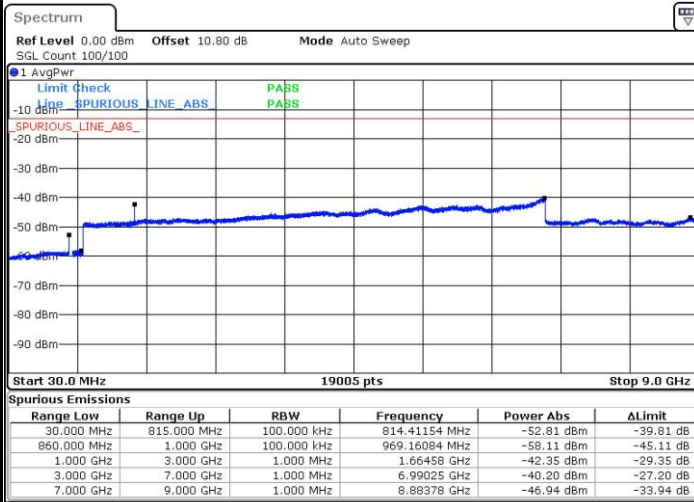


Date: 8.OCT.2016 10:04:57



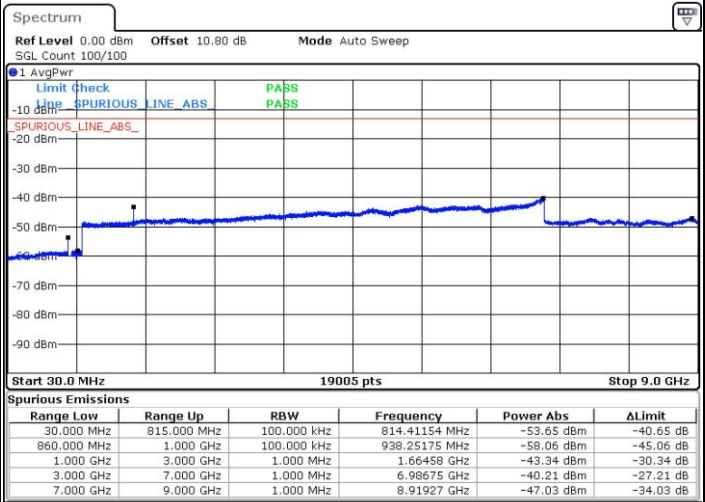
LTE Band 5 / 10MHz

Middle Channel / QPSK



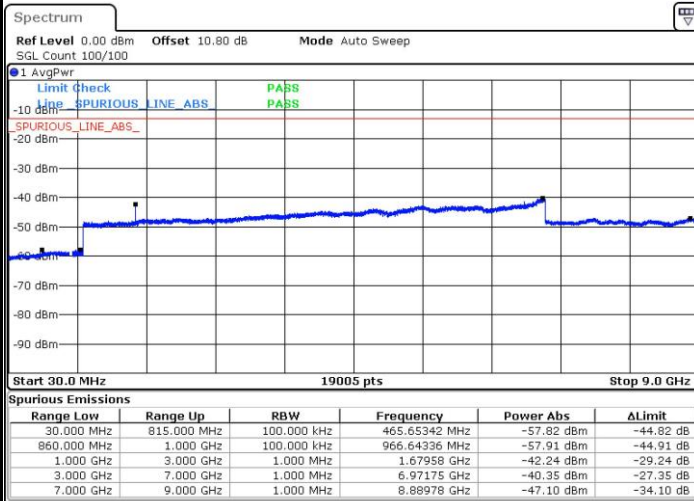
Date: 8.OCT.2016 10:06:43

Middle Channel / 16QAM



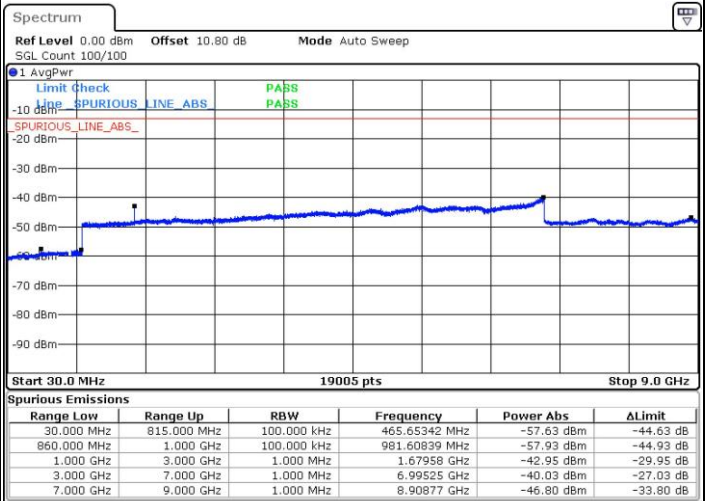
Date: 8.OCT.2016 10:07:42

Highest Channel / QPSK



Date: 8.OCT.2016 10:16:05

Highest Channel / 16QAM



Date: 8.OCT.2016 10:17:03

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

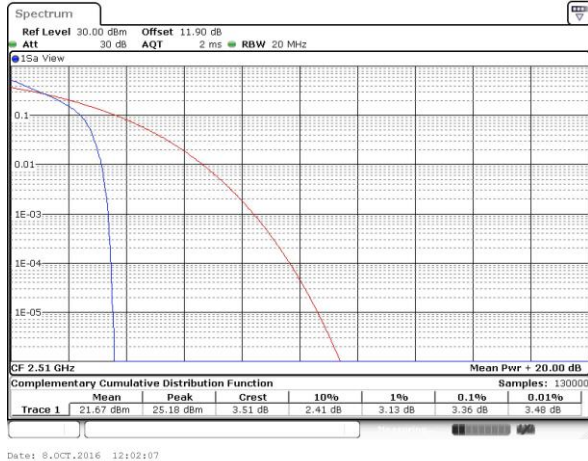
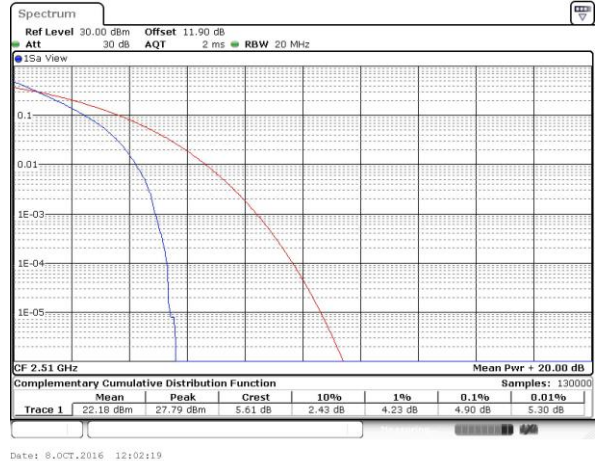
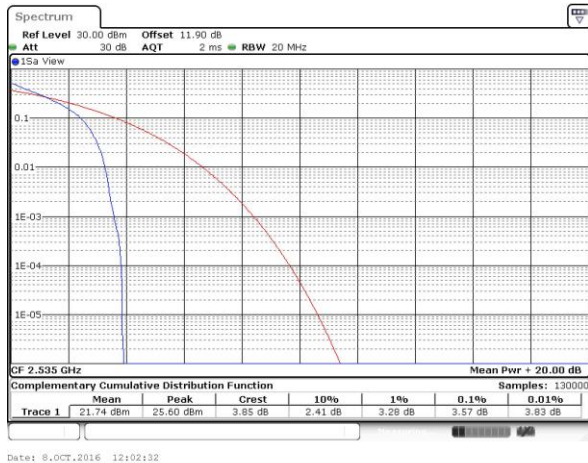
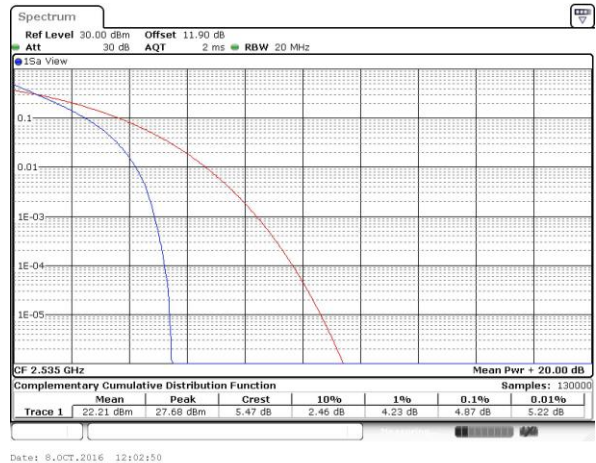
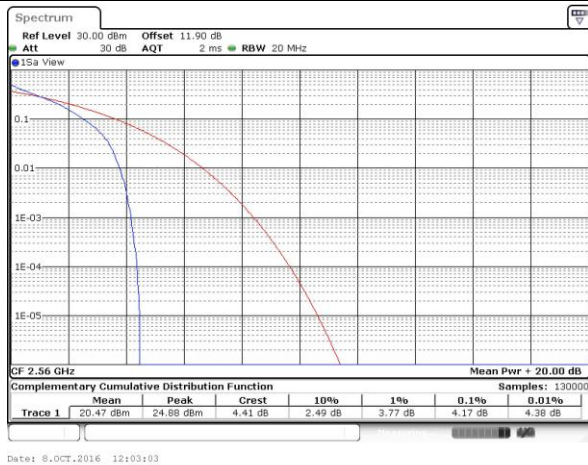
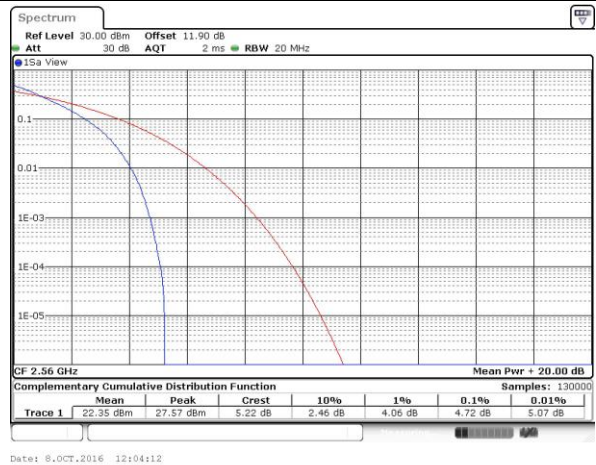
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

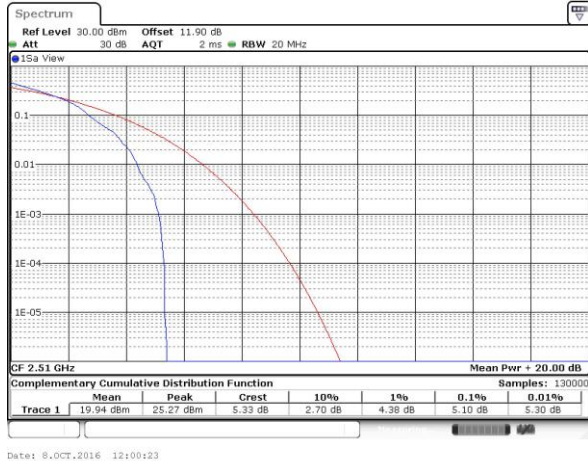
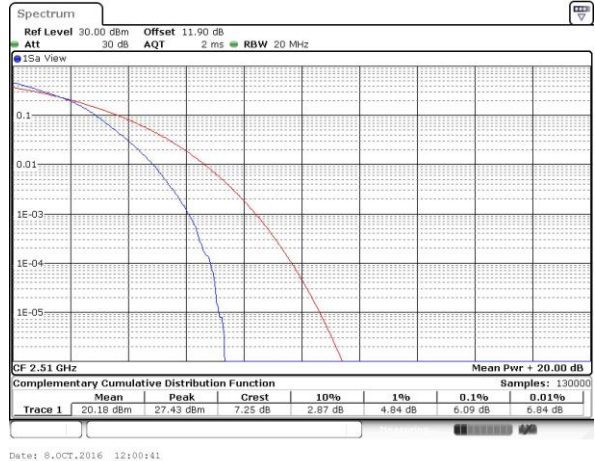
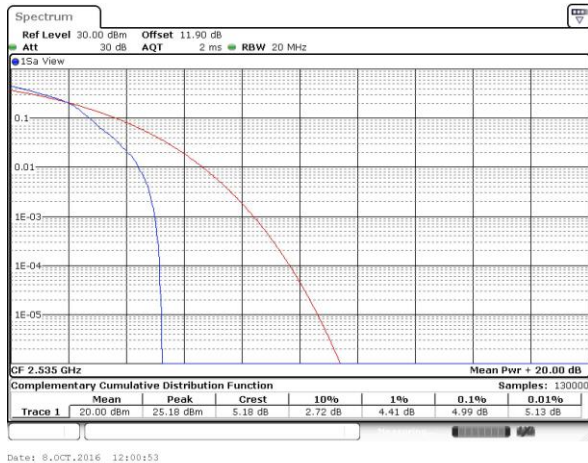
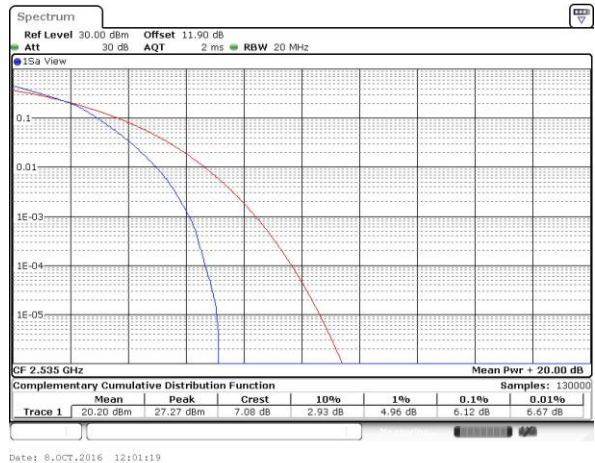
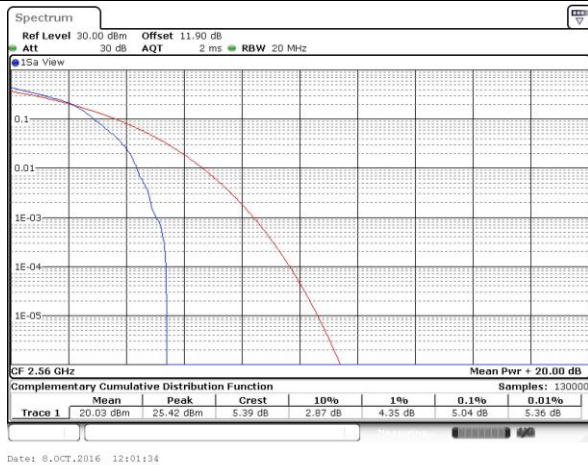
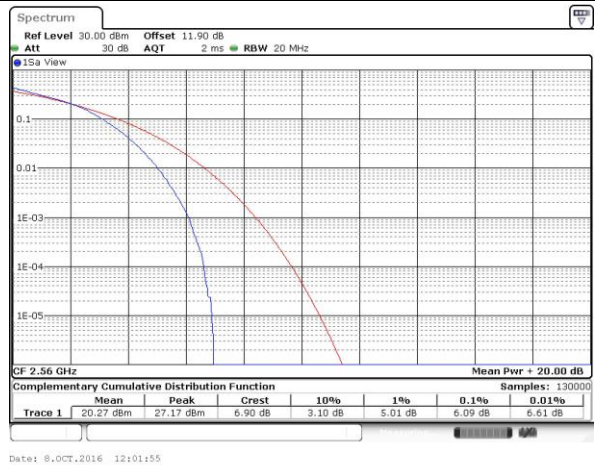


LTE Band 7

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	3.36	4.9	5.1	6.09	PASS
Middle CH	3.57	4.87	4.99	6.12	
Highest CH	4.17	4.72	5.04	6.09	

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




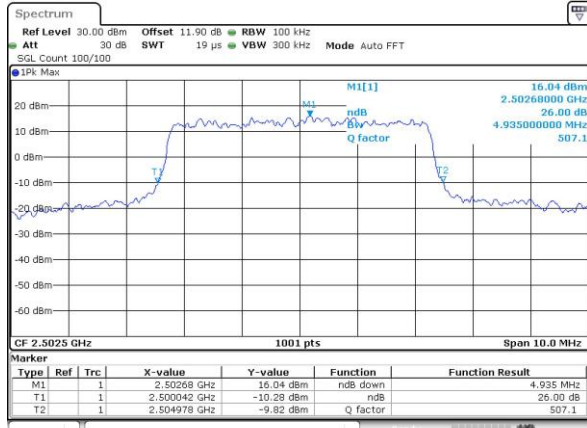
26dB Bandwidth

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	-	-	-	-	4.935	5.005	9.85	9.93	14.446	14.416	20.14	20.38
Middle CH	-	-	-	-	4.935	4.965	10.11	9.95	14.296	14.356	20.539	20.42
Highest CH	-	-	-	-	5.035	4.965	9.87	9.71	14.715	14.655	20.42	20.06

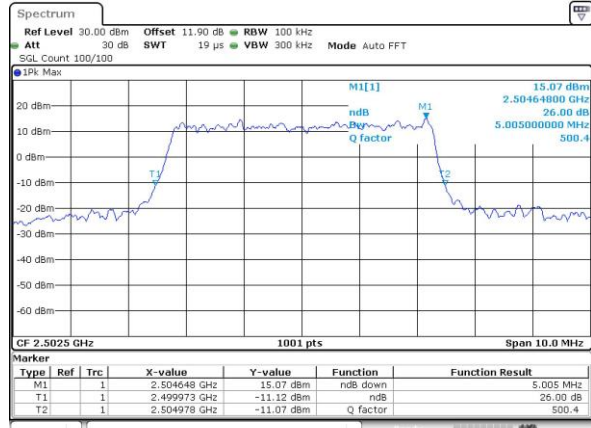


LTE Band 7

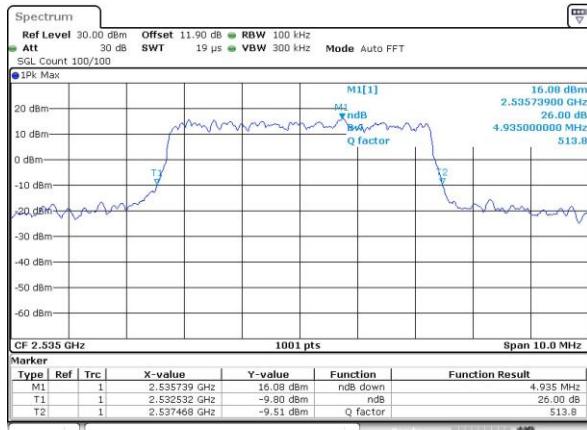
Lowest Channel / 5MHz / QPSK



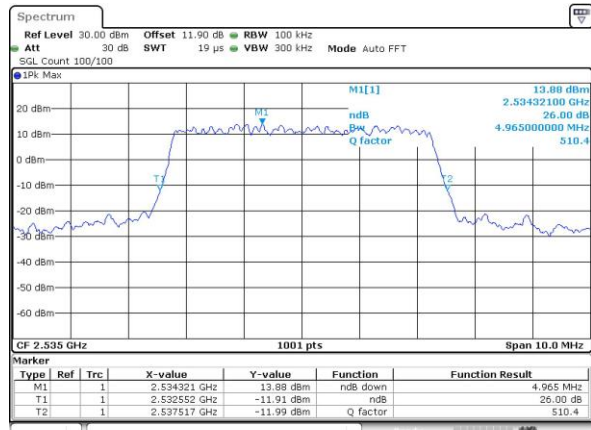
Lowest Channel / 5MHz / 16QAM



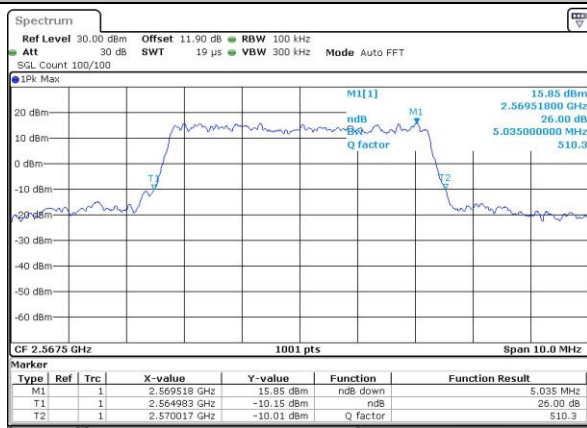
Middle Channel / 5MHz / QPSK



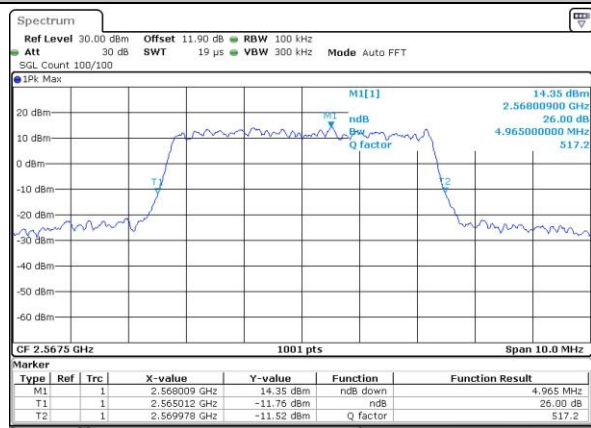
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



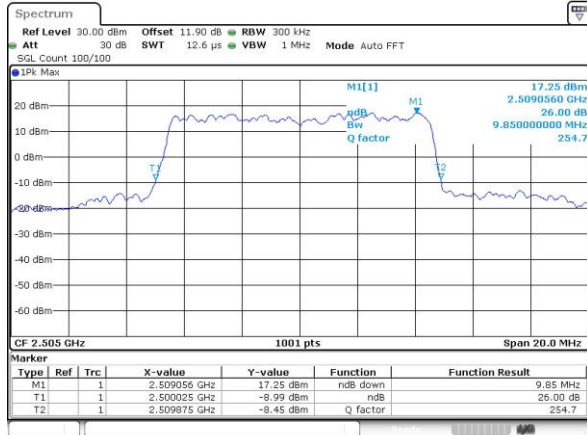
Highest Channel / 5MHz / 16QAM





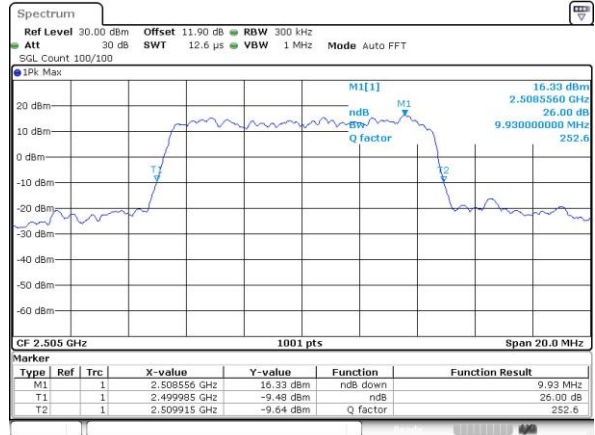
LTE Band 7

Lowest Channel / 10MHz / QPSK



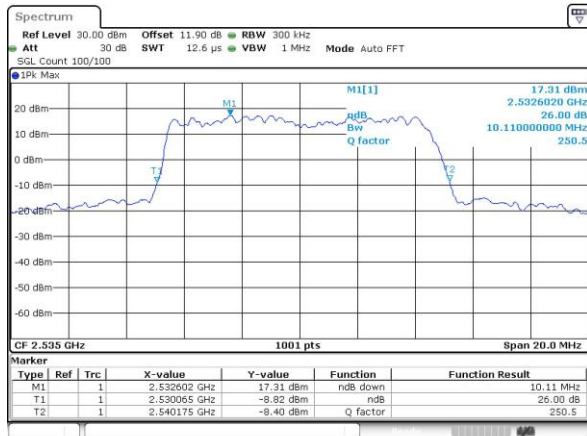
Date: 8.OCT.2016 11:07:46

Lowest Channel / 10MHz / 16QAM



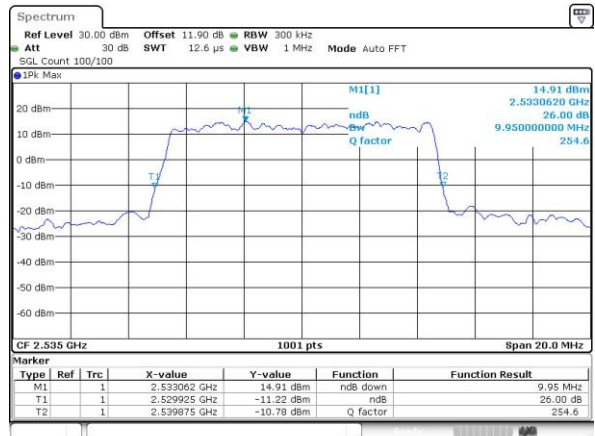
Date: 8.OCT.2016 11:07:57

Middle Channel / 10MHz / QPSK



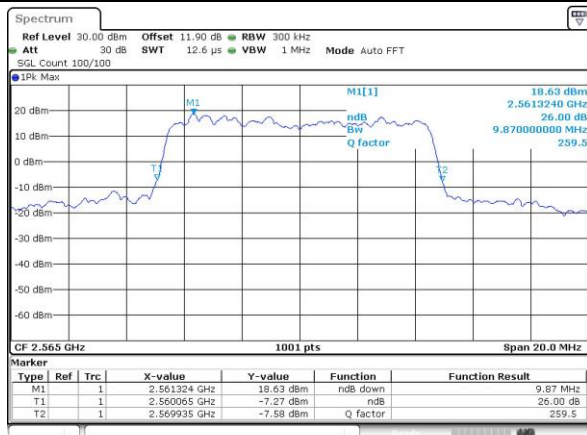
Date: 8.OCT.2016 11:15:08

Middle Channel / 10MHz / 16QAM



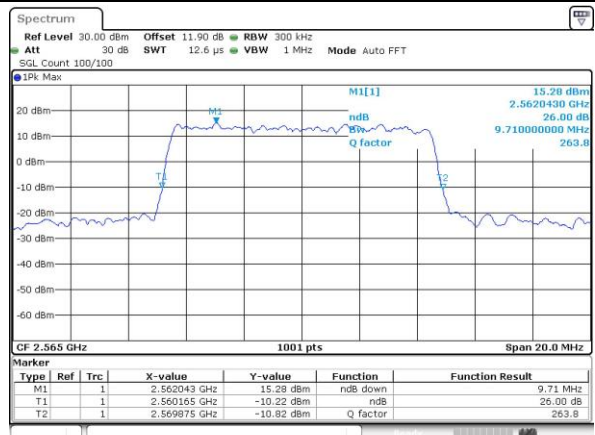
Date: 8.OCT.2016 11:15:20

Highest Channel / 10MHz / QPSK



Date: 8.OCT.2016 11:17:51

Highest Channel / 10MHz / 16QAM

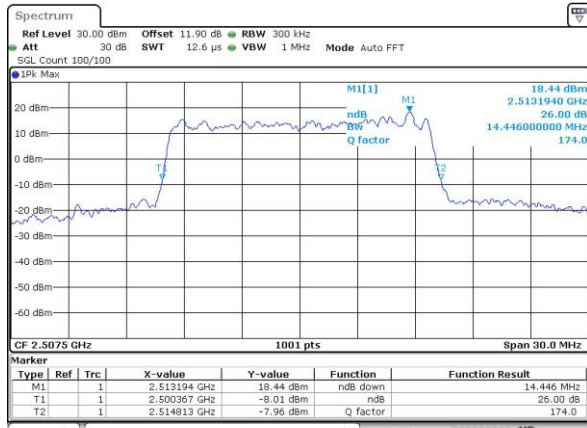


Date: 8.OCT.2016 11:18:02



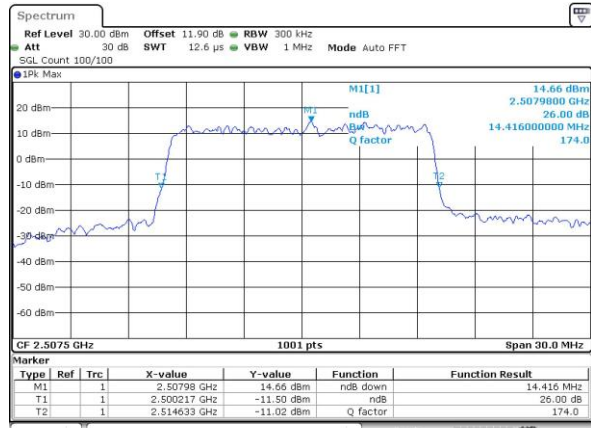
LTE Band 7

Lowest Channel / 15MHz / QPSK



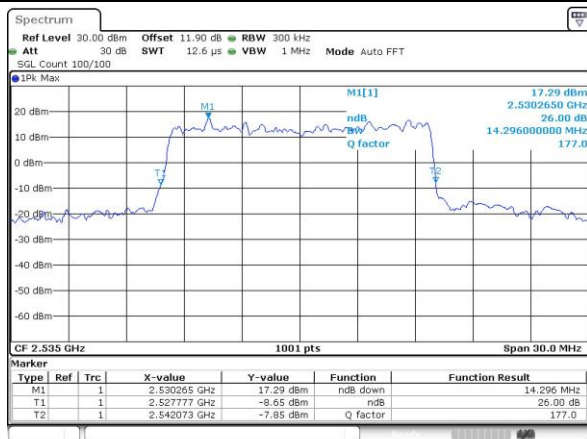
Date: 8.OCT.2016 11:25:14

Lowest Channel / 15MHz / 16QAM



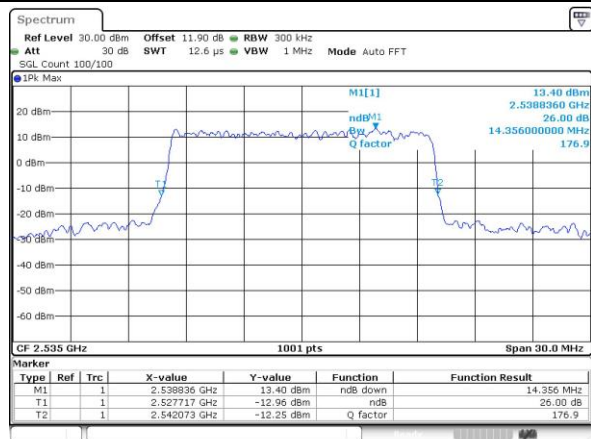
Date: 8.OCT.2016 11:25:26

Middle Channel / 15MHz / QPSK



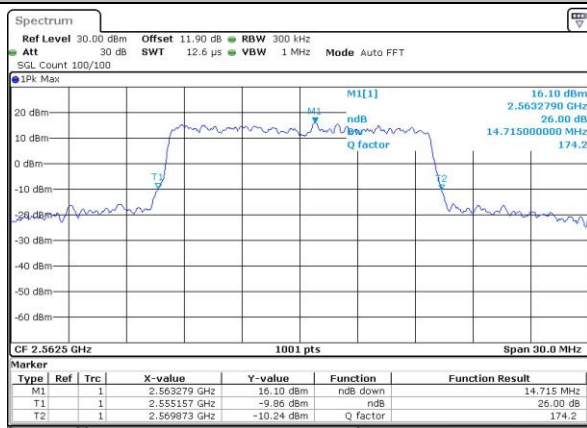
Date: 8.OCT.2016 11:32:37

Middle Channel / 15MHz / 16QAM



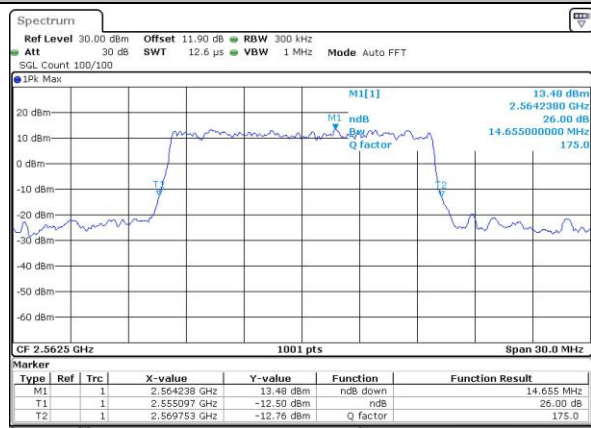
Date: 8.OCT.2016 11:32:48

Highest Channel / 15MHz / QPSK



Date: 8.OCT.2016 11:35:20

Highest Channel / 15MHz / 16QAM

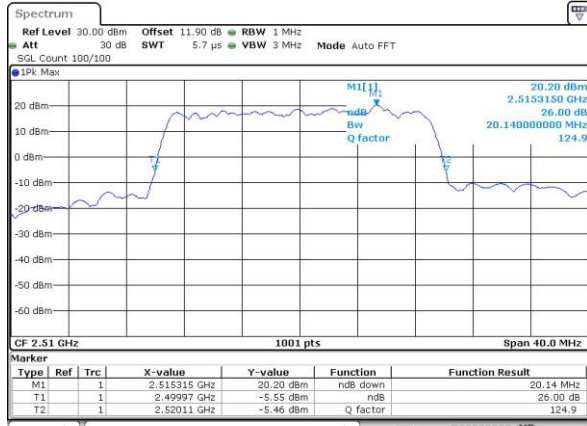


Date: 8.OCT.2016 11:35:31

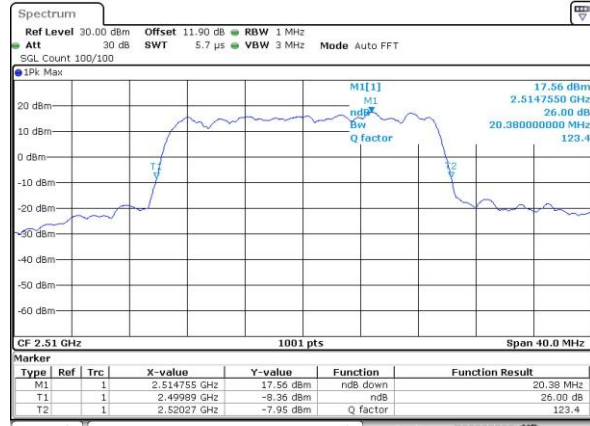


LTE Band 7

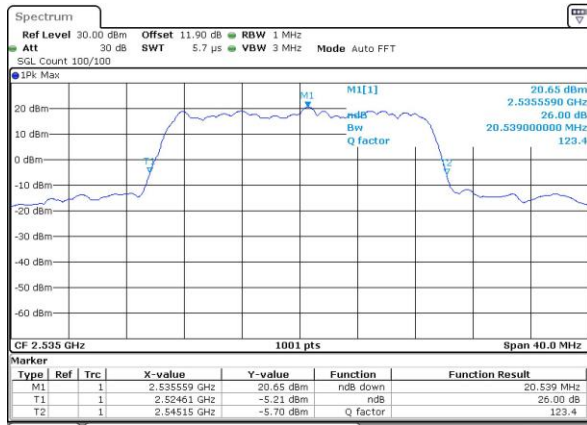
Lowest Channel / 20MHz / QPSK



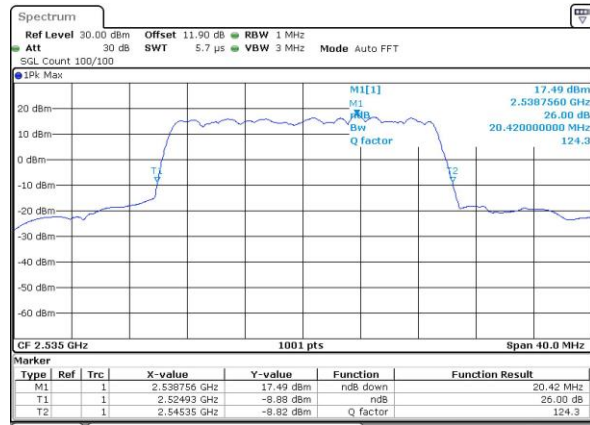
Lowest Channel / 20MHz / 16QAM



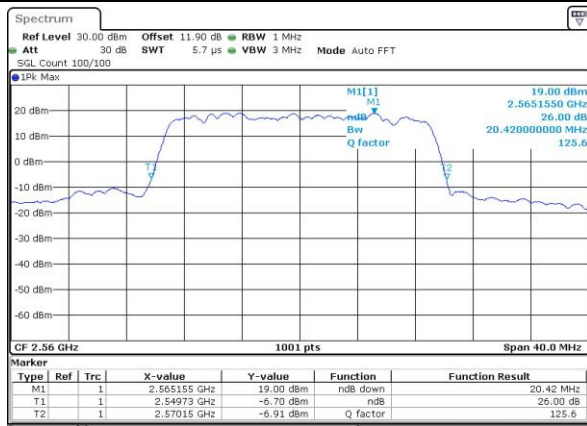
Middle Channel / 20MHz / QPSK



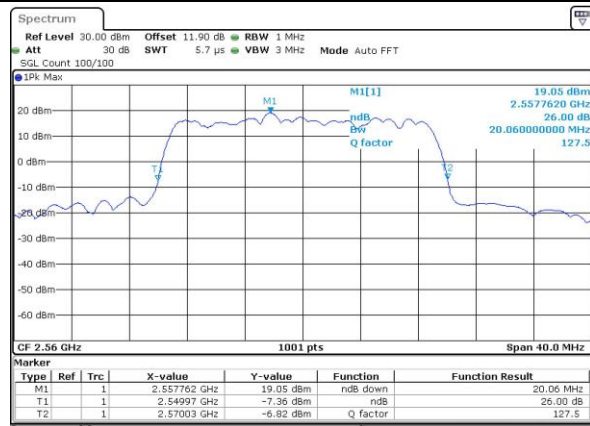
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





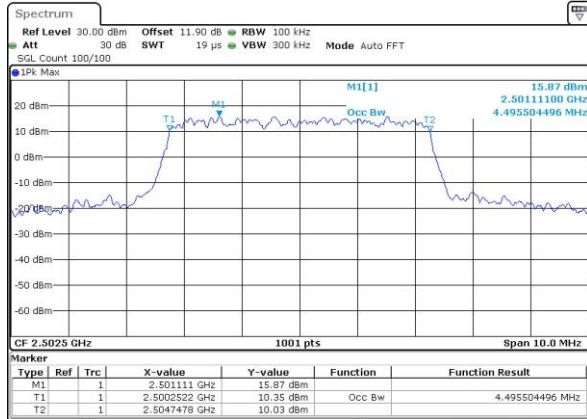
Occupied Bandwidth

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	-	-	-	-	4.5	4.51	9.03	9.05	13.4	13.49	18.5	18.3
Middle CH	-	-	-	-	4.5	4.51	9.07	9.01	13.49	13.49	18.46	18.3
Highest CH	-	-	-	-	4.51	4.51	9.09	9.03	13.49	13.4	18.34	18.3

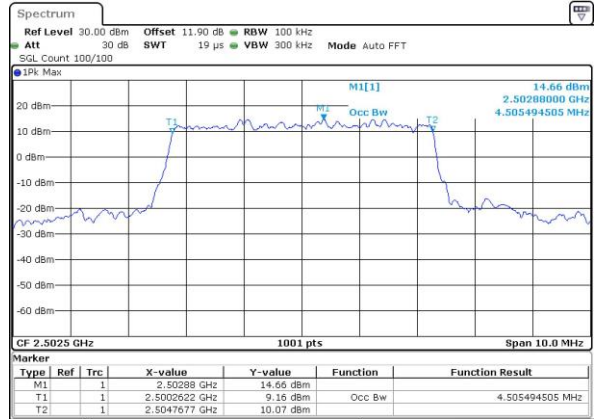


LTE Band 7

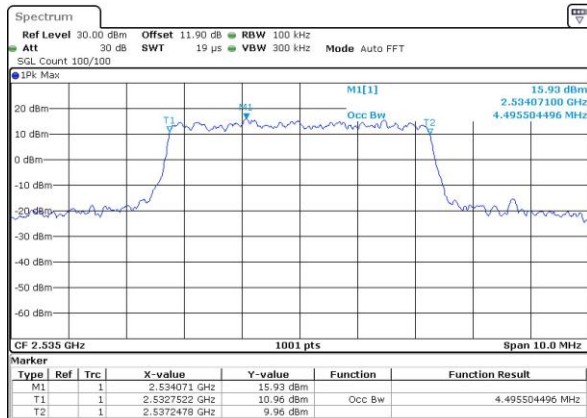
Lowest Channel / 5MHz / QPSK



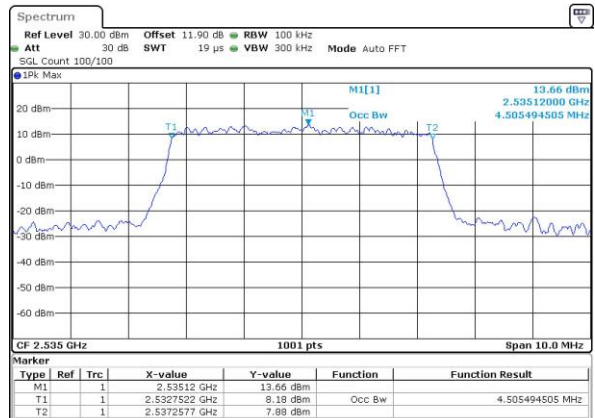
Lowest Channel / 5MHz / 16QAM



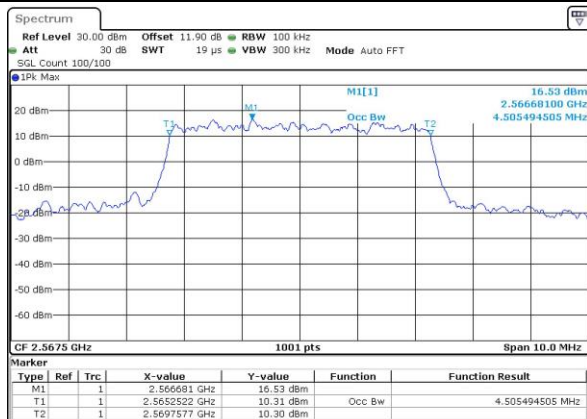
Middle Channel / 5MHz / QPSK



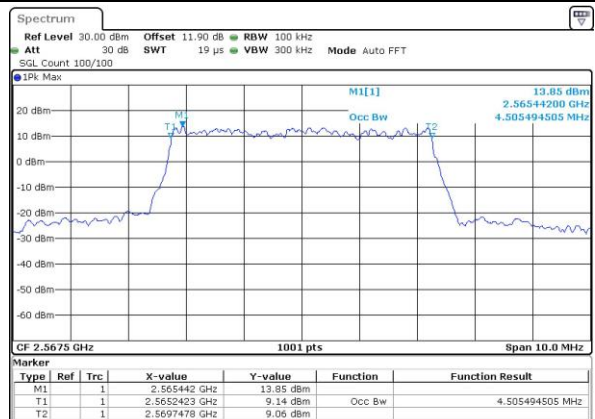
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



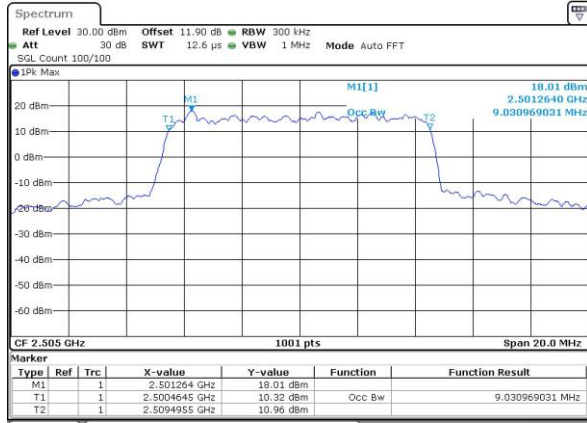
Highest Channel / 5MHz / 16QAM



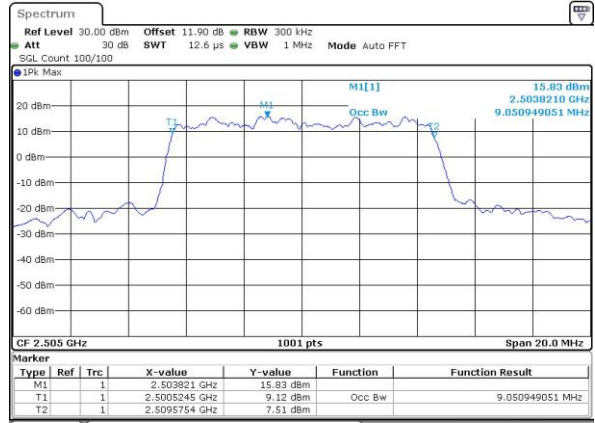


LTE Band 7

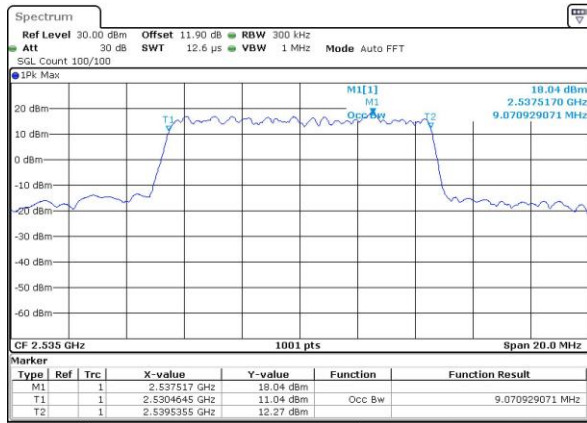
Lowest Channel / 10MHz / QPSK



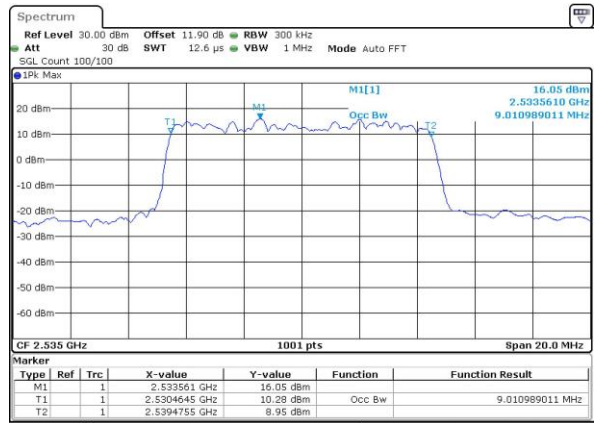
Lowest Channel / 10MHz / 16QAM



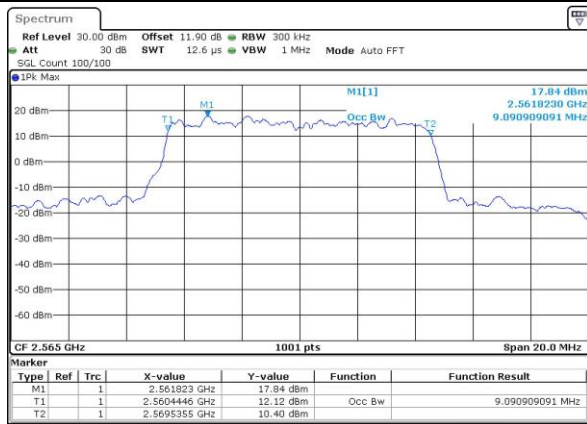
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

