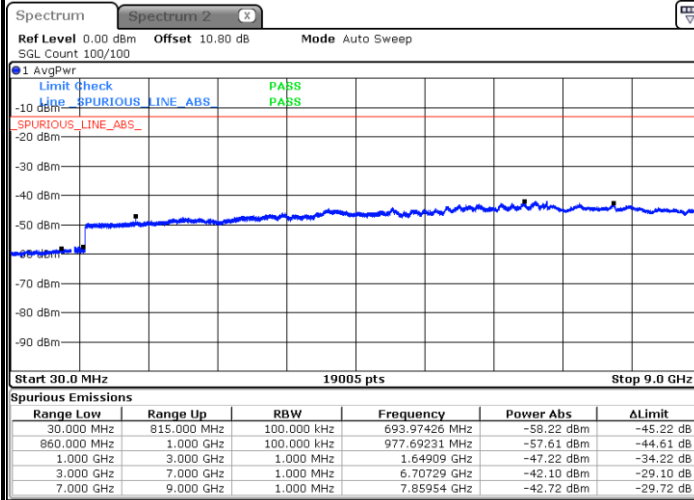




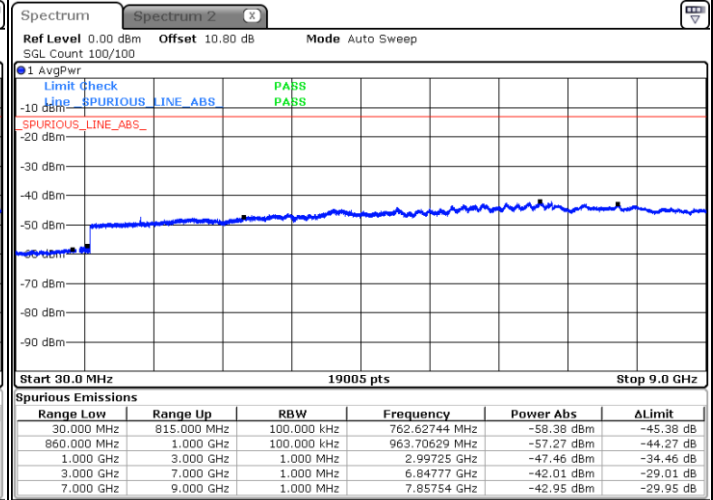
LTE Band 26 / 5MHz

Lowest Channel / QPSK



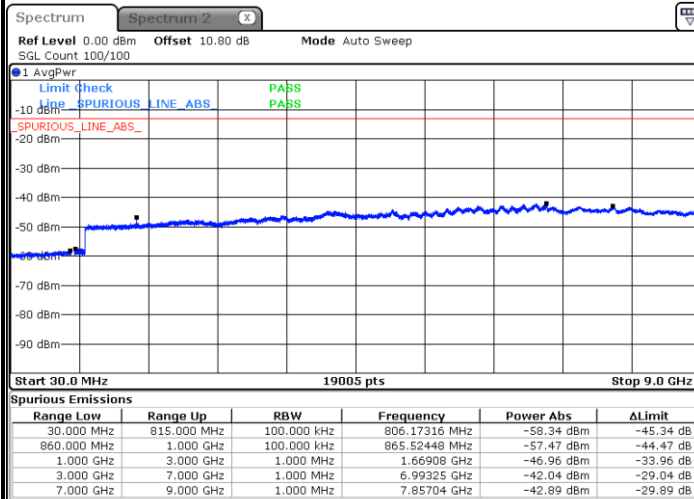
Date: 12 SEP. 2017 21:28:55

Lowest Channel / 16QAM



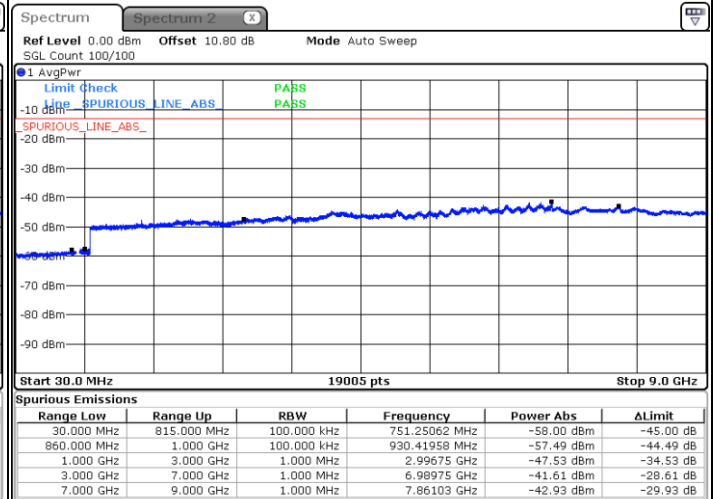
Date: 12 SEP. 2017 21:29:49

Middle Channel / QPSK



Date: 12 SEP. 2017 21:31:23

Middle Channel / 16QAM

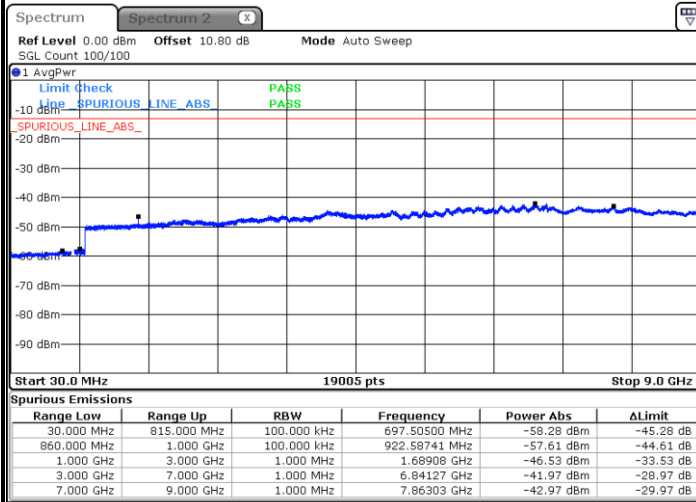


Date: 12 SEP. 2017 21:32:16



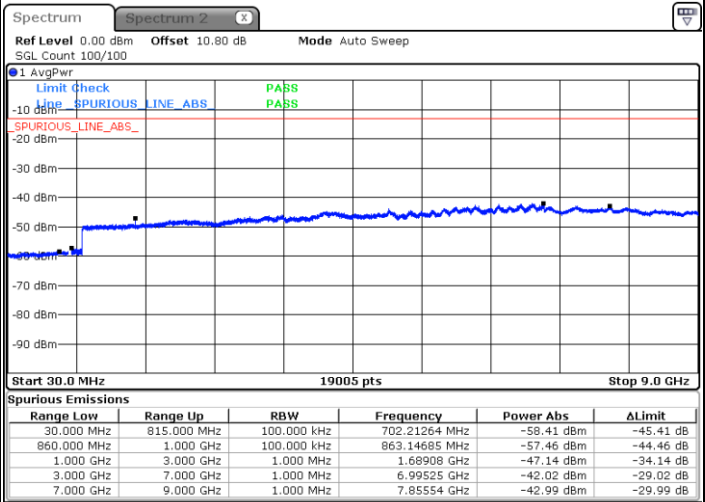
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 12 SEP 2017 21:38:25

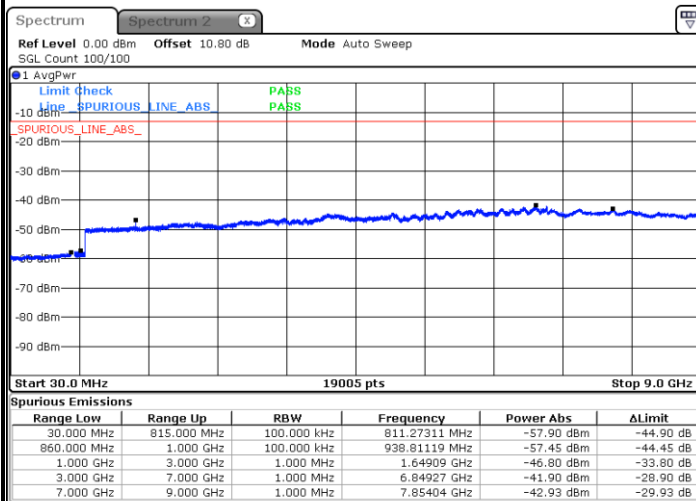
Highest Channel / 16QAM



Date: 12 SEP 2017 21:39:19

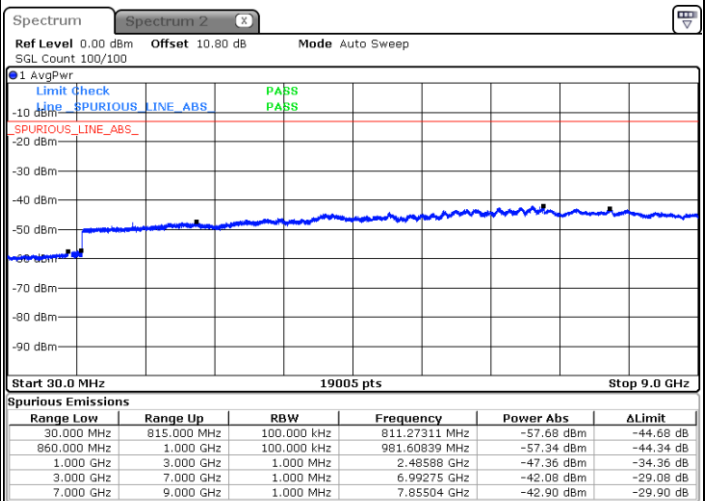
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 12 SEP 2017 21:45:28

Lowest Channel / 16QAM

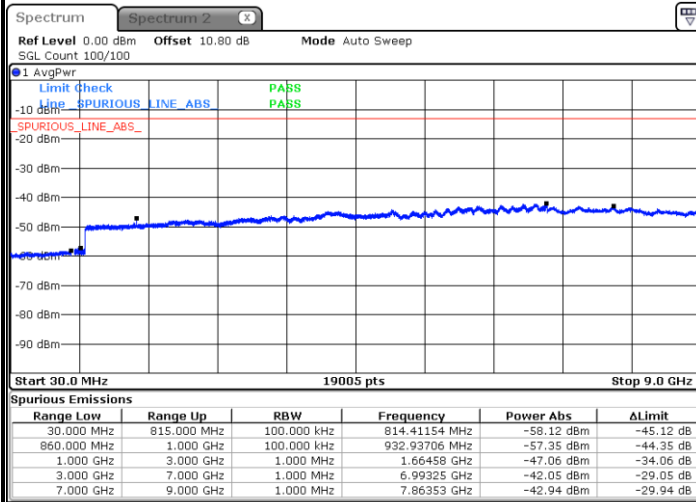


Date: 12 SEP 2017 21:46:21



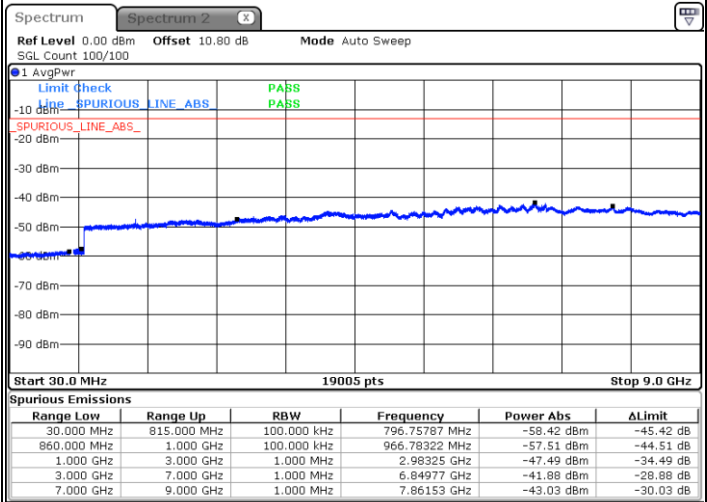
LTE Band 26 / 10MHz

Middle Channel / QPSK



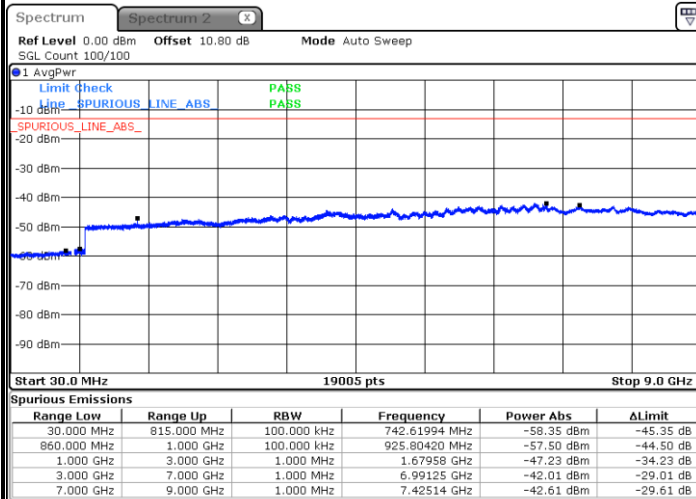
Date: 12 SEP. 2017 21:47:55

Middle Channel / 16QAM



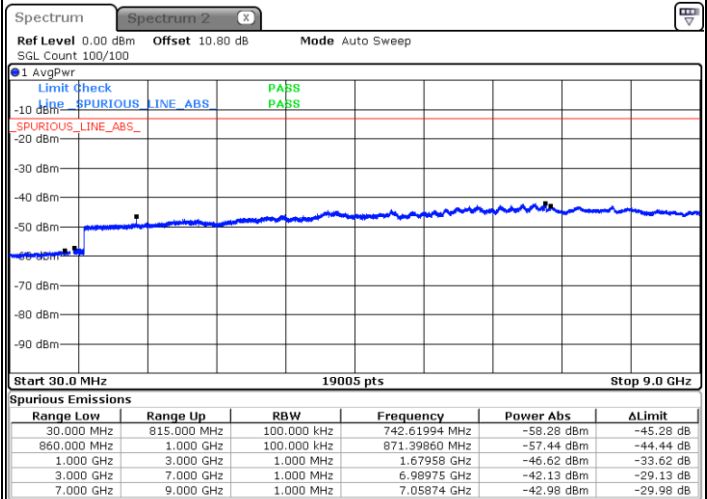
Date: 12 SEP. 2017 21:48:49

Highest Channel / QPSK



Date: 12 SEP. 2017 21:54:58

Highest Channel / 16QAM

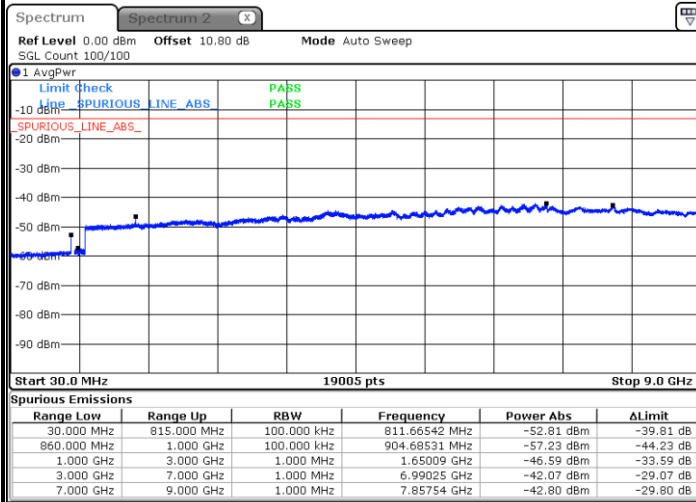


Date: 12 SEP. 2017 21:55:52



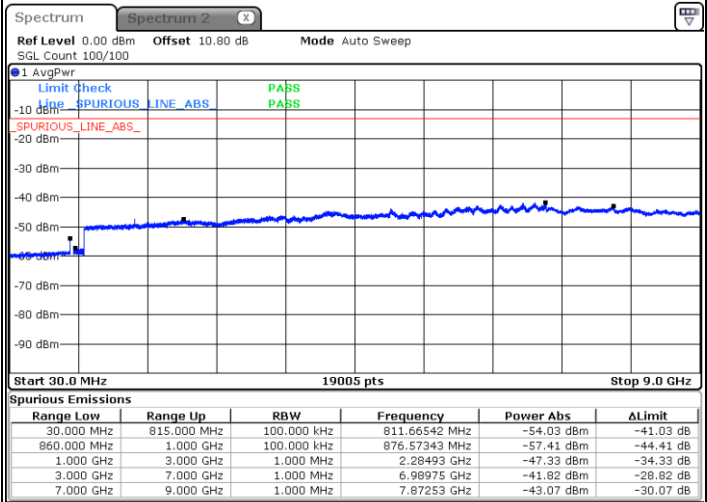
LTE Band 26 / 15MHz

Lowest Channel / QPSK



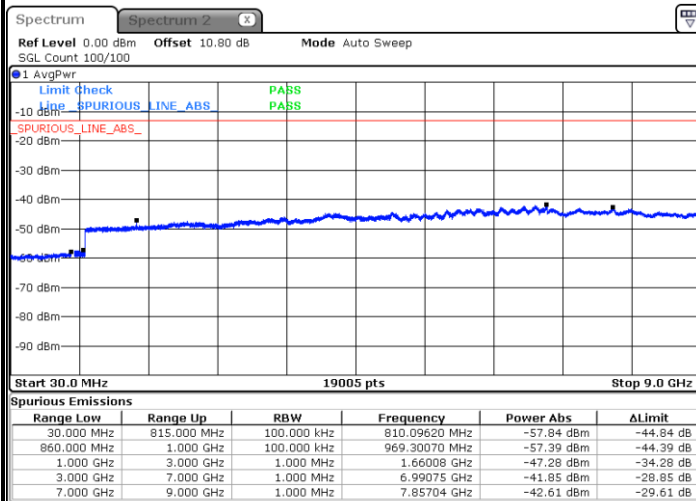
Date: 12 SEP 2017 22:02:00

Lowest Channel / 16QAM



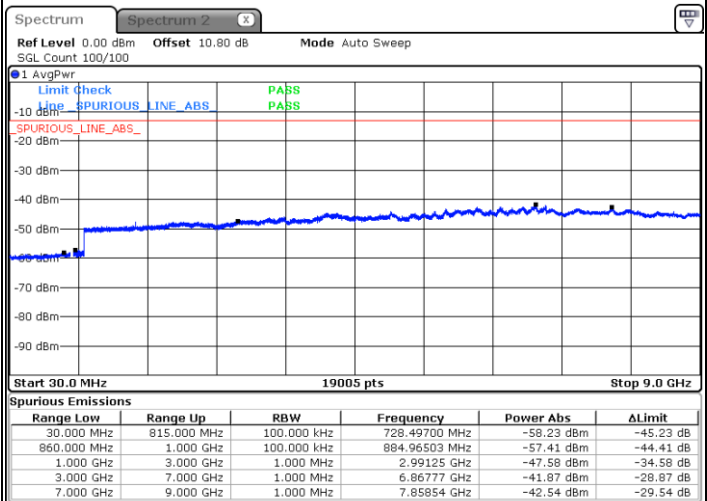
Date: 12 SEP 2017 22:02:54

Middle Channel / QPSK



Date: 12 SEP 2017 22:04:28

Middle Channel / 16QAM

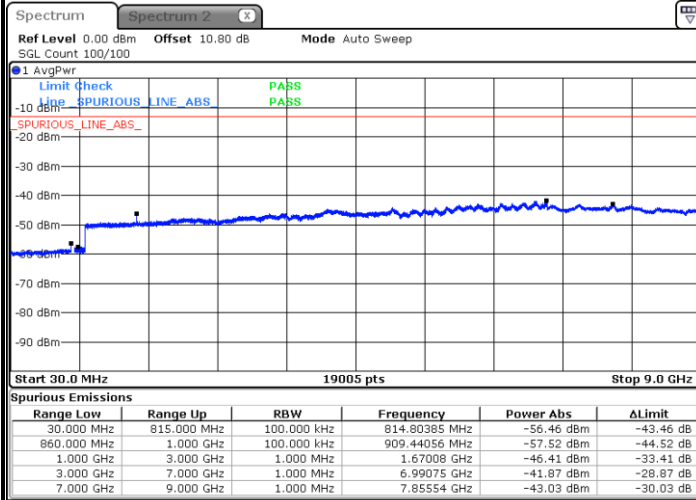


Date: 12 SEP 2017 22:05:21



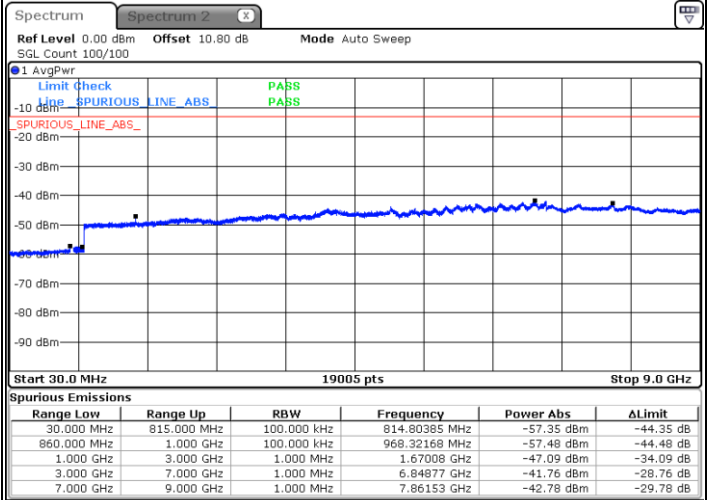
LTE Band 26 / 15MHz

Highest Channel / QPSK



Date: 12 SEP. 2017 22:11:30

Highest Channel / 16QAM

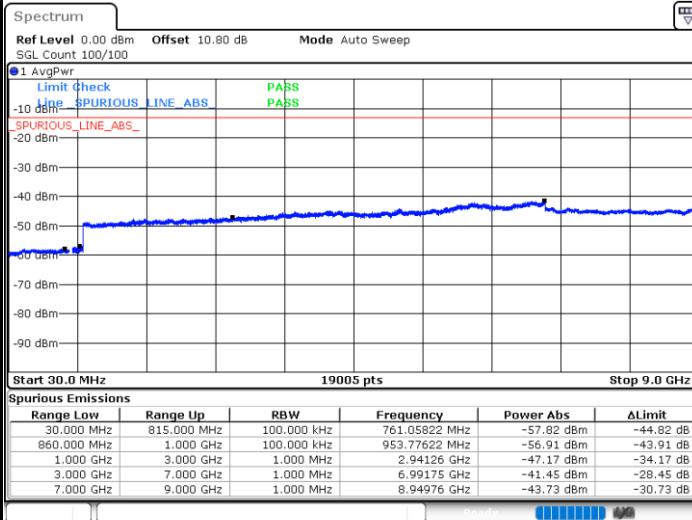


Date: 12 SEP. 2017 22:12:24



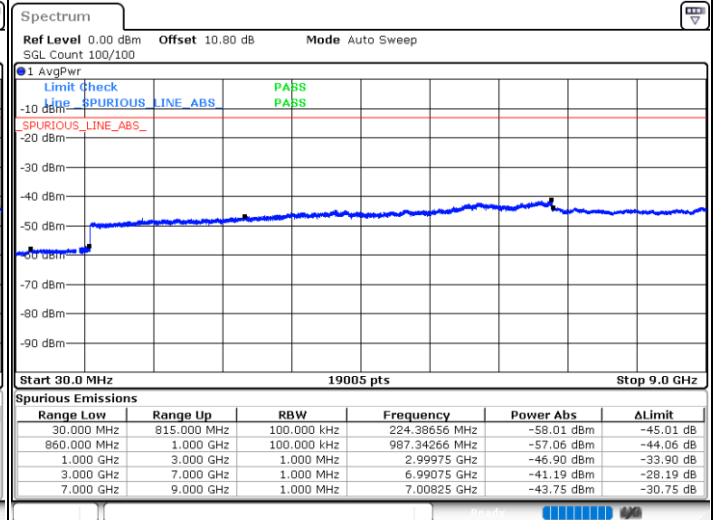
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



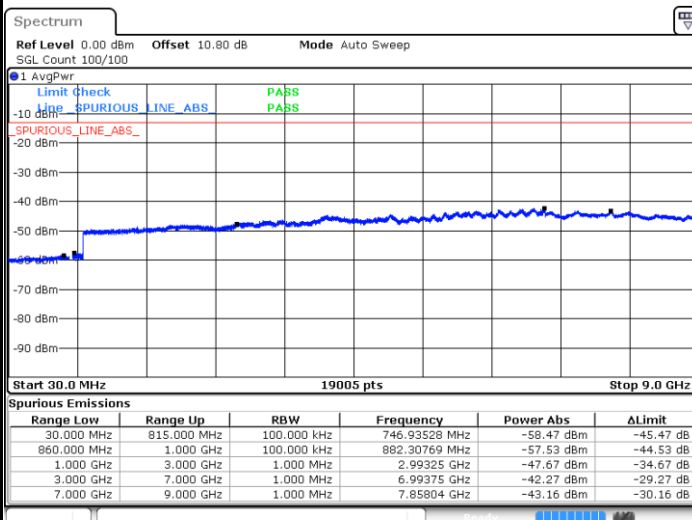
Date: 29.SEP.2017 09:36:13

Middle Channel / 64QAM



Date: 29.SEP.2017 09:37:26

Highest Channel / 64QAM

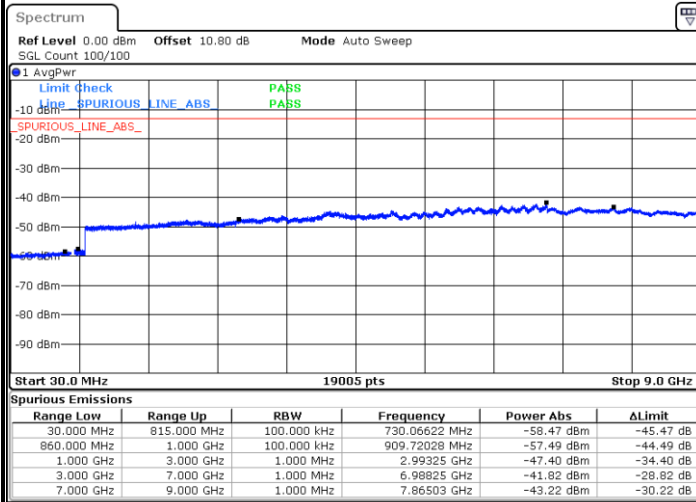


Date: 29 SEP 2017 01:11:03



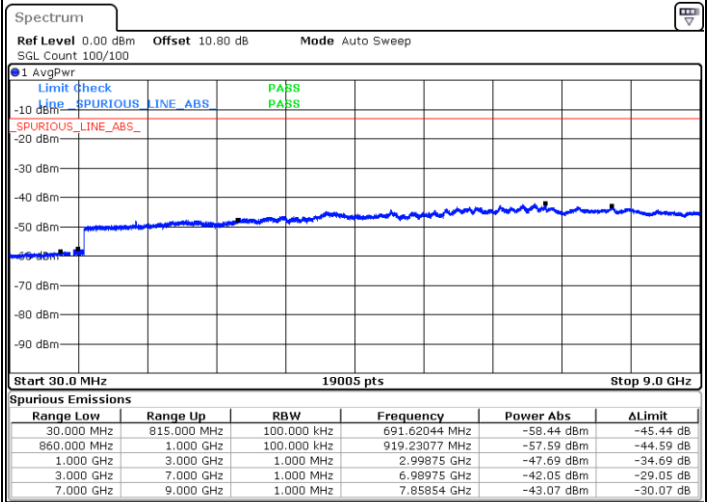
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



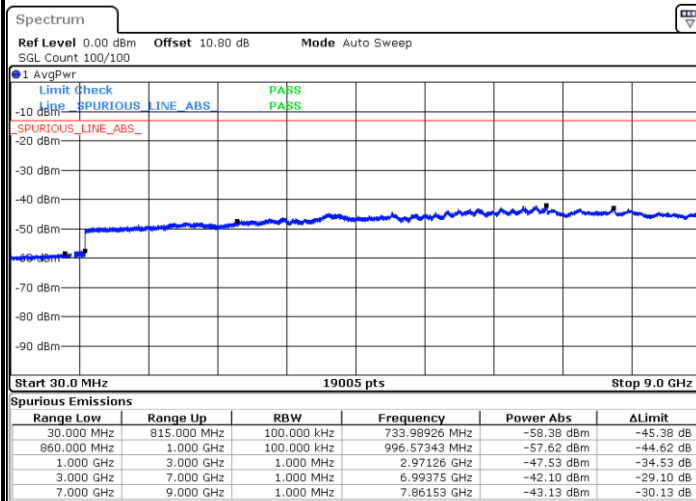
Date: 29 SEP.2017 00:31:32

Middle Channel / 64QAM



Date: 29 SEP.2017 00:32:45

Highest Channel / 64QAM

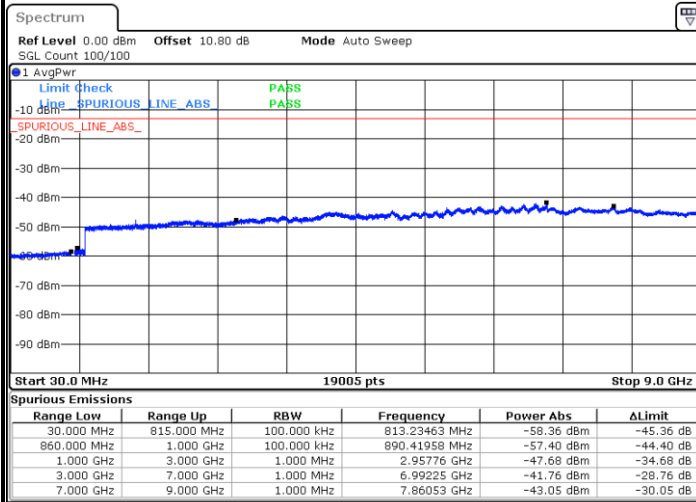


Date: 29 SEP.2017 00:36:17



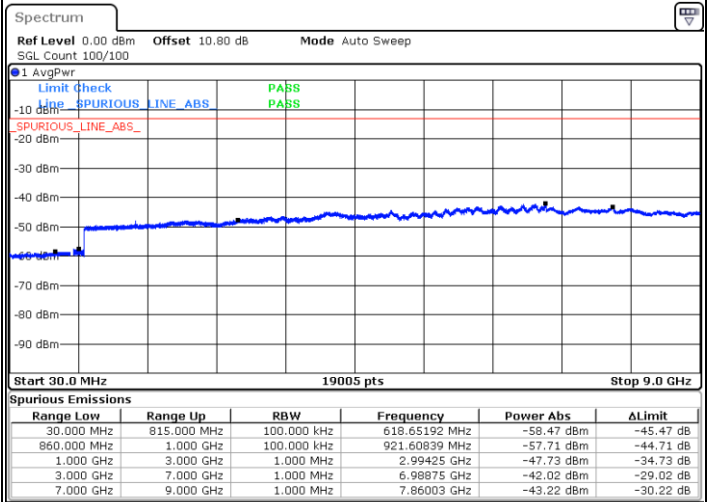
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



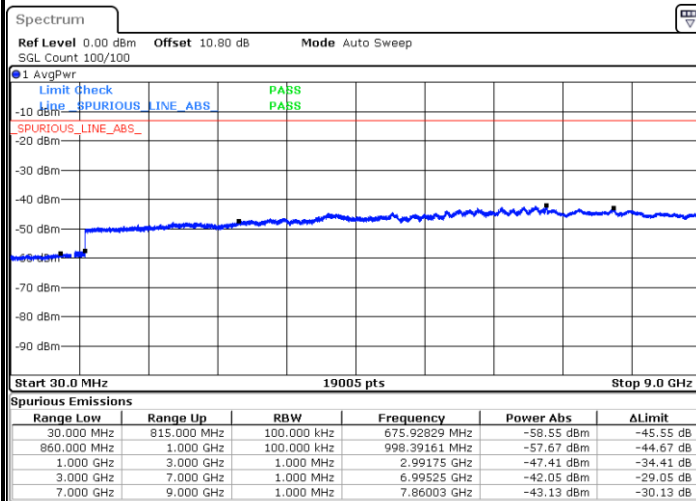
Date: 29 SEP.2017 00:39:48

Middle Channel / 64QAM



Date: 29 SEP.2017 00:41:02

Highest Channel / 64QAM

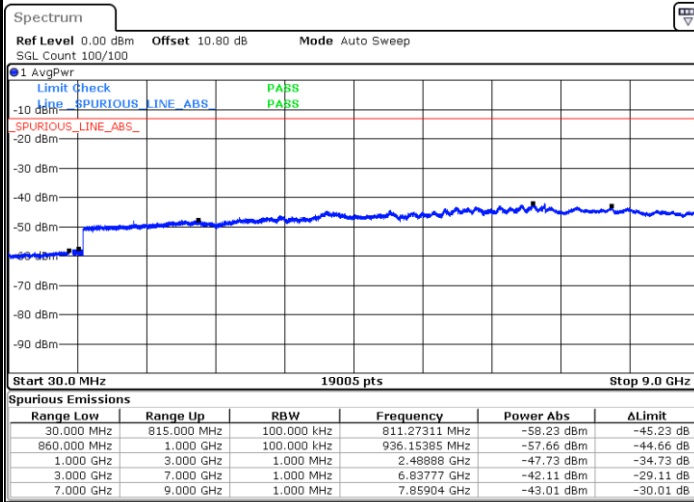


Date: 29 SEP.2017 00:44:33



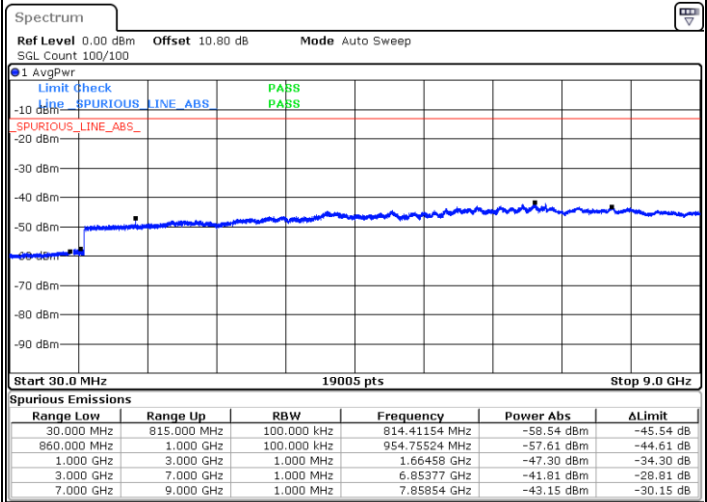
LTE Band 26 / 10MHz

Lowest Channel / 64QAM



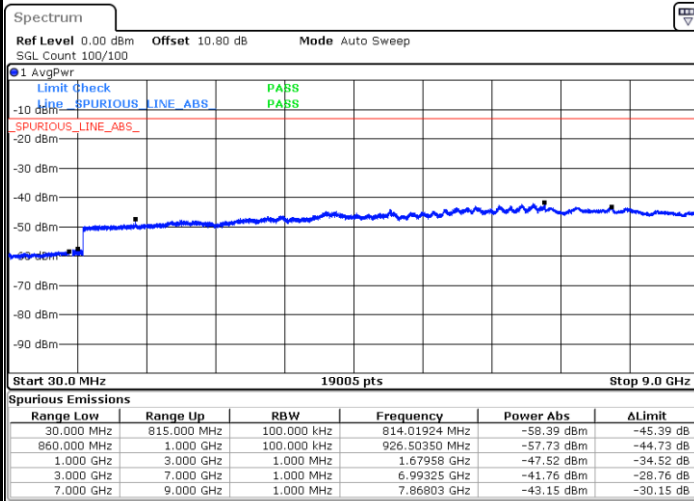
Date: 29 SEP.2017 00:48:04

Middle Channel / 64QAM



Date: 29 SEP.2017 00:49:18

Highest Channel / 64QAM

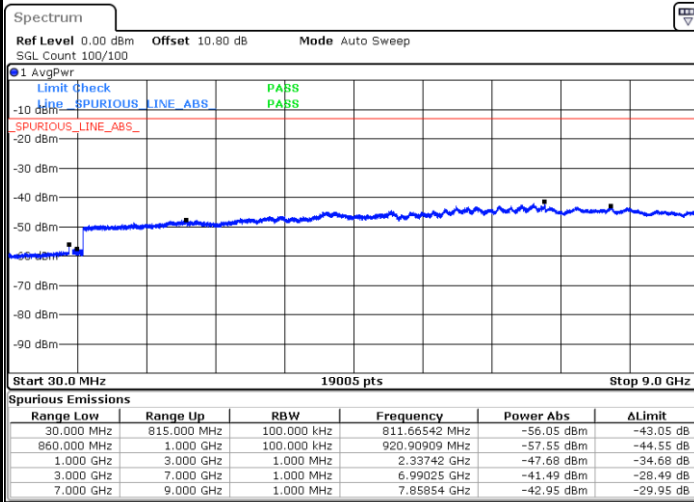


Date: 29 SEP.2017 00:52:49



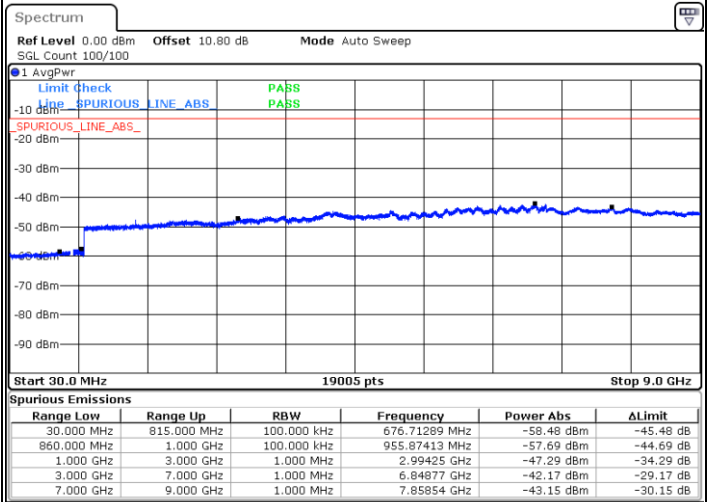
LTE Band 26 / 15MHz

Lowest Channel / 64QAM



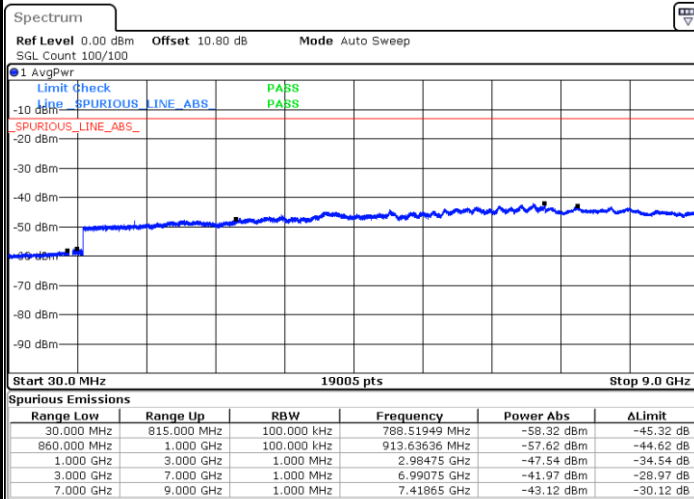
Date: 29 SEP.2017 00:56:20

Middle Channel / 64QAM



Date: 29 SEP.2017 00:57:34

Highest Channel / 64QAM



Date: 29 SEP.2017 01:01:05

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0077	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0080	
-10	Normal Voltage	0.0067	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0082	
20	Maximum Voltage	0.0087	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0100	

Note:

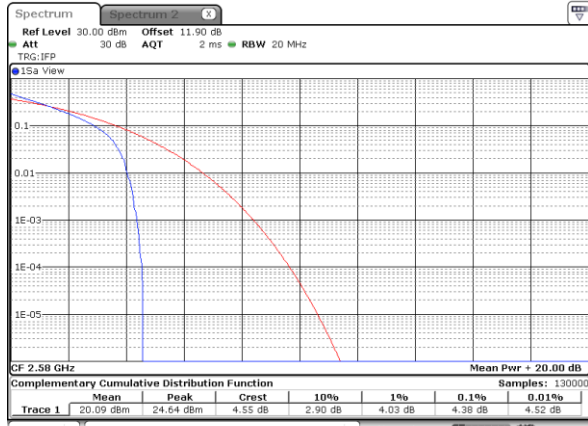
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



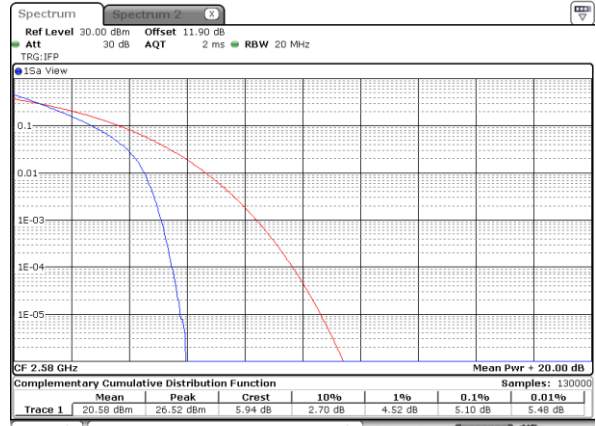
LTE Band 38

Peak-to-Average Ratio

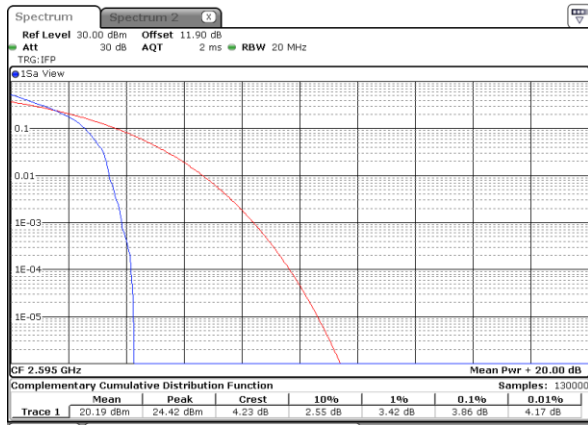
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	5.1	5.07	6.23	PASS
Middle CH	3.86	4.99	4.64	6.12	
Highest CH	3.45	4.67	4.58	6.09	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.23	6.93	-	-	PASS
Middle CH	6.23	6.99	-	-	
Highest CH	6.38	6.96	-	-	

LTE Band 38 / 20MHz / QPSK
Lowest Channel / 1RB


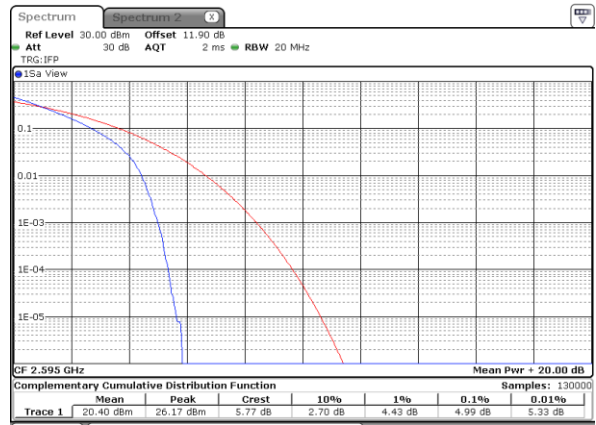
Date: 14 SEP 2017 10:44:23

Lowest Channel / Full RB


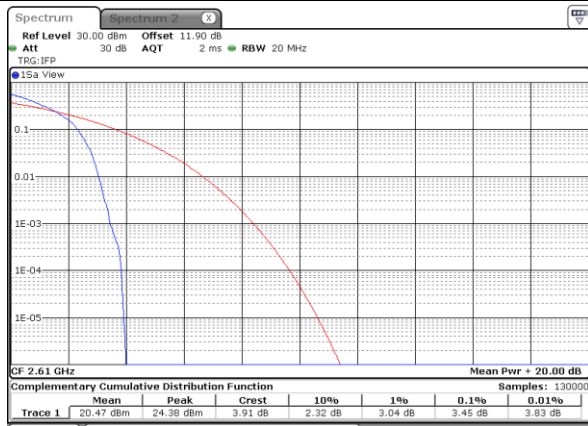
Date: 14 SEP 2017 10:44:50

Middle Channel / 1RB


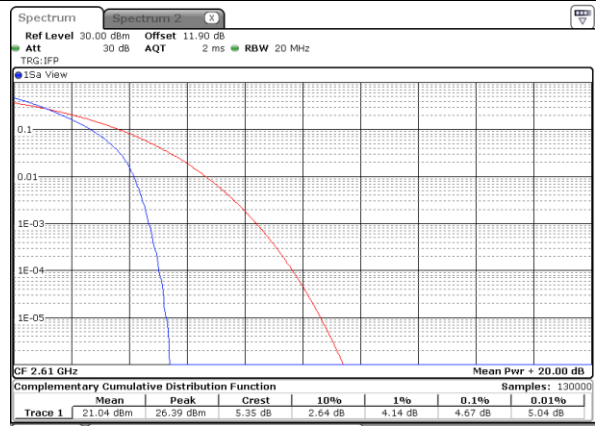
Date: 14 SEP 2017 10:45:06

Middle Channel / Full RB


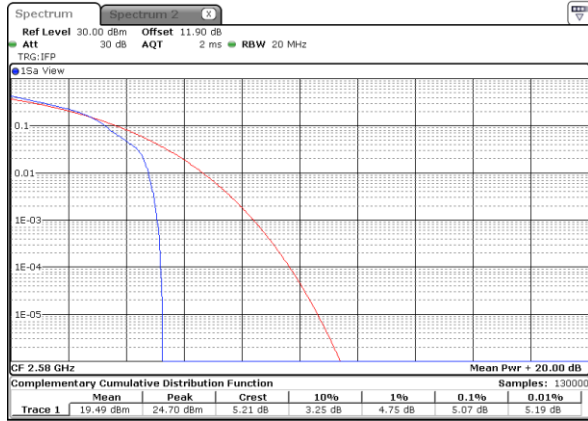
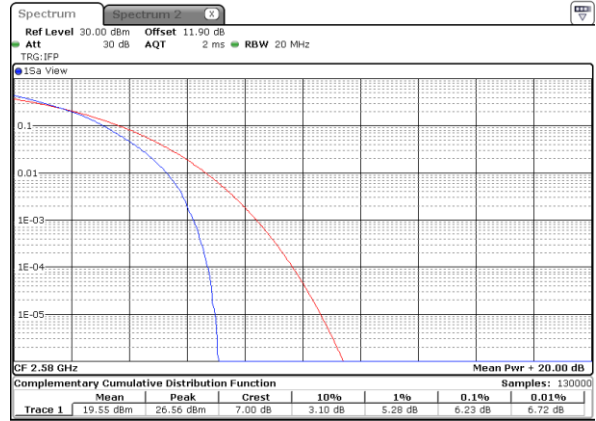
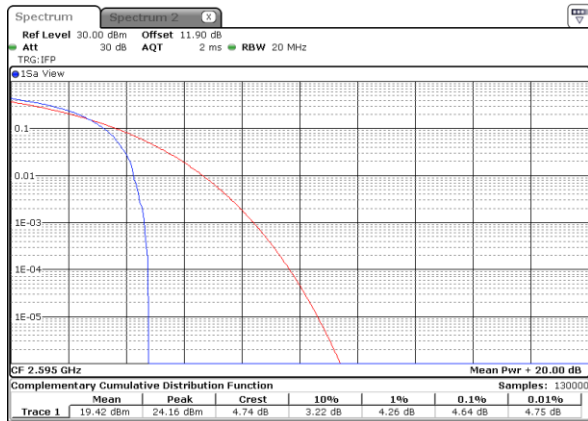
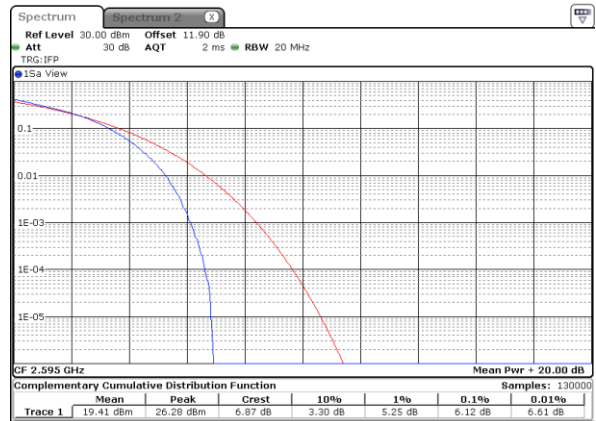
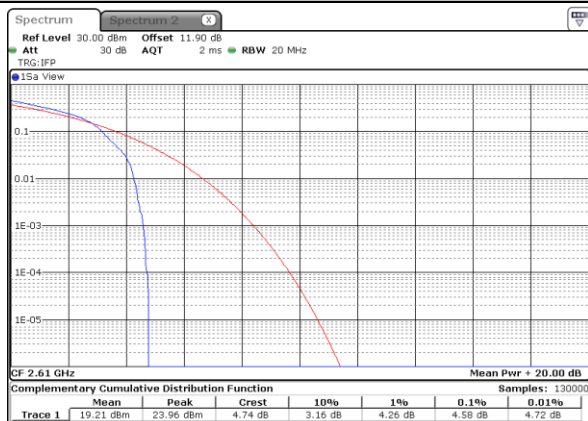
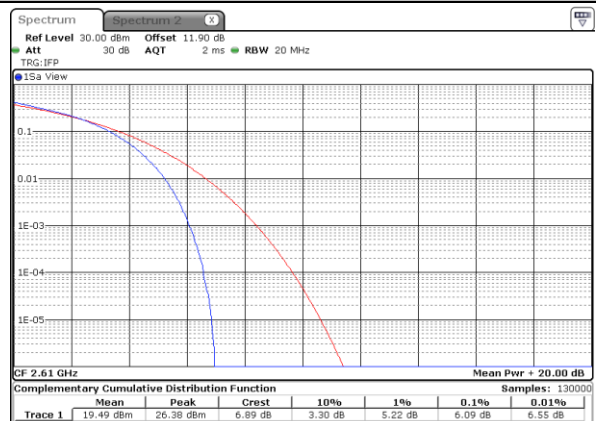
Date: 14 SEP 2017 10:45:23

Highest Channel / 1RB


Date: 14 SEP 2017 10:45:37

Highest Channel / Full RB


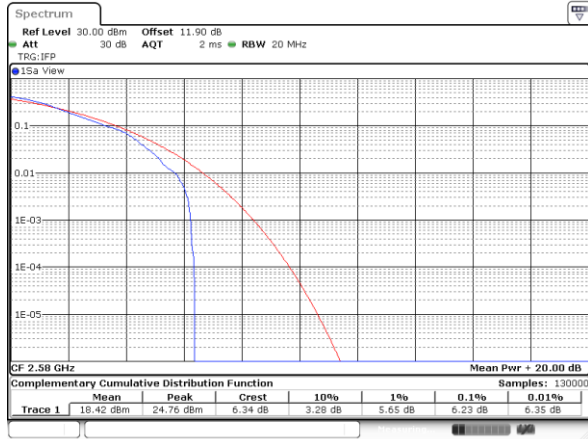
Date: 14 SEP 2017 10:45:51

LTE Band 38 / 20MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


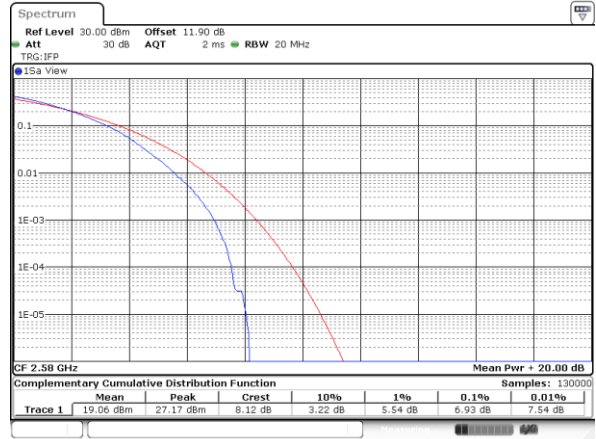


LTE Band 38 / 20MHz / 64QAM

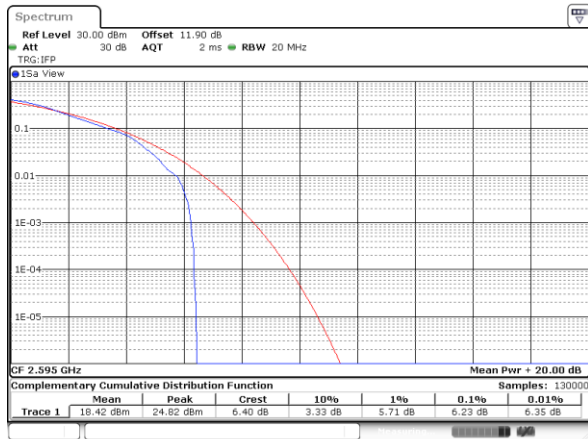
Lowest Channel / 1RB



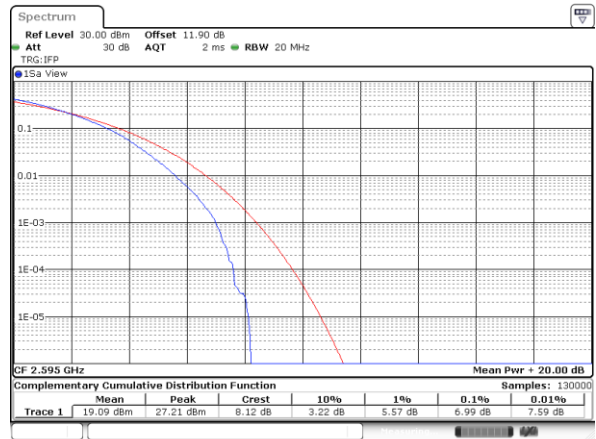
Lowest Channel / Full RB



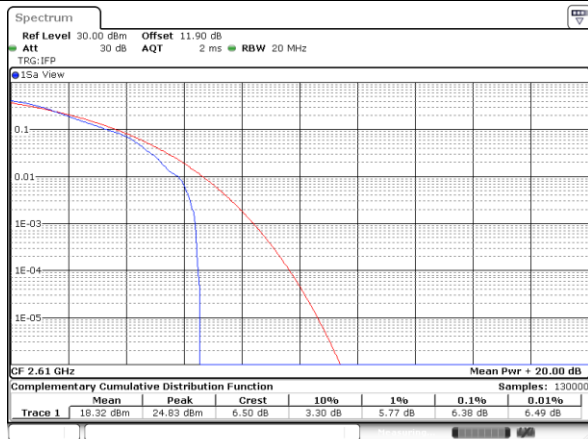
Middle Channel / 1RB



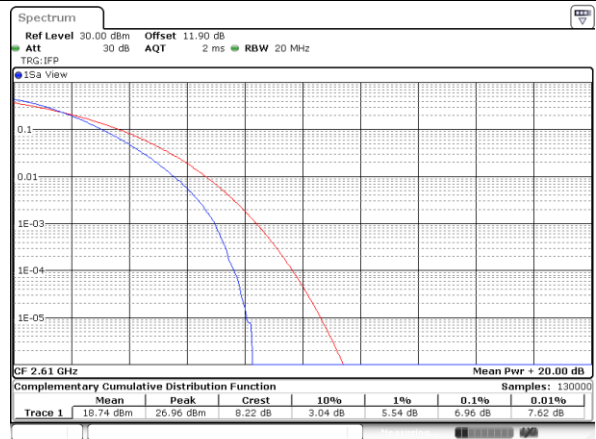
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



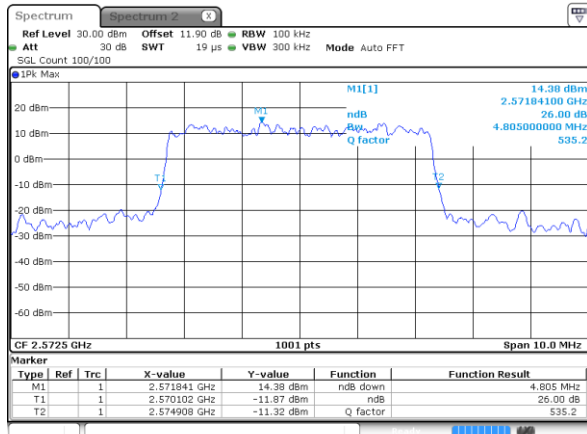
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.81	4.88	9.67	9.65	14.09	14.15	20.06	20.30
Middle CH	-	-	-	-	4.92	4.91	9.75	9.69	14.18	14.15	20.10	20.06
Highest CH	-	-	-	-	4.86	4.80	9.67	9.79	14.36	14.21	20.14	20.18
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.82	-	9.65	-	14.42	-	20.22	-
Middle CH	-	-	-	-	4.82	-	9.79	-	14.21	-	20.14	-
Highest CH	-	-	-	-	4.84	-	9.85	-	14.18	-	20.02	-

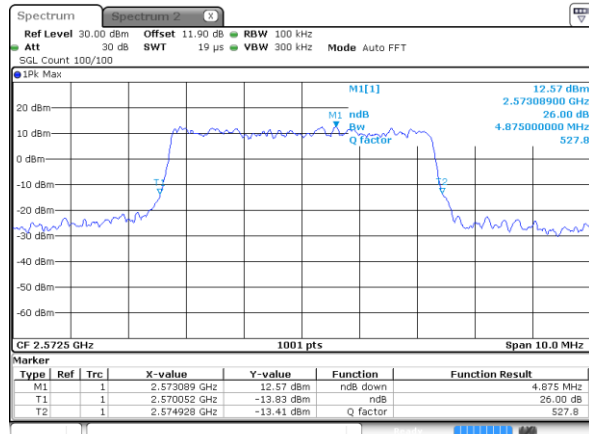


LTE Band 38

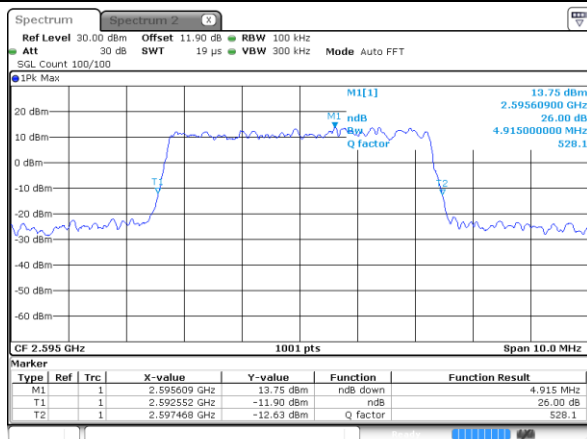
Lowest Channel / 5MHz / QPSK



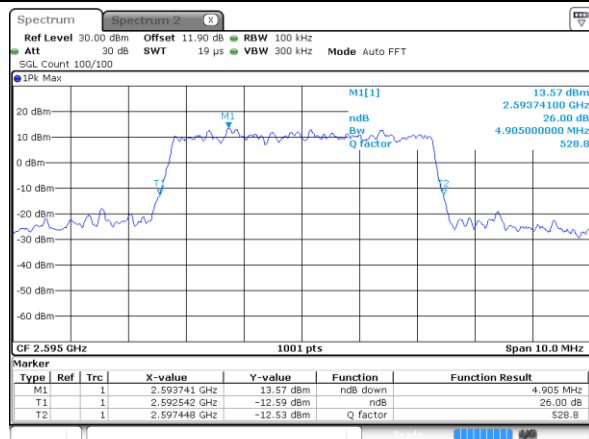
Lowest Channel / 5MHz / 16QAM



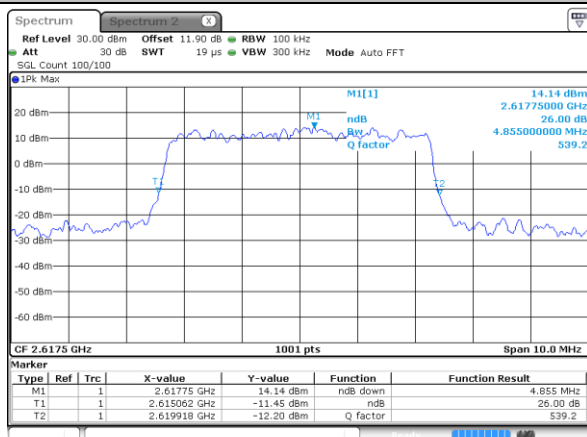
Middle Channel / 5MHz / QPSK



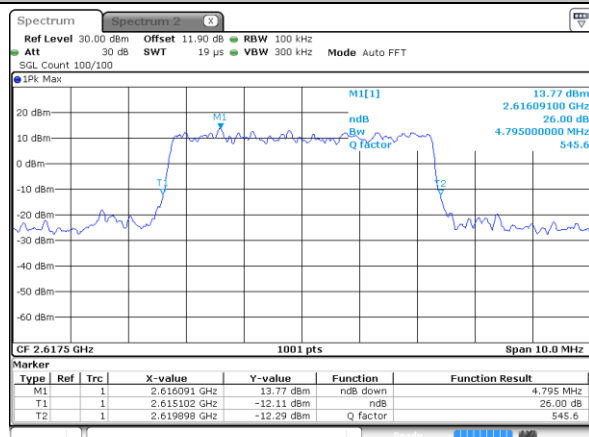
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



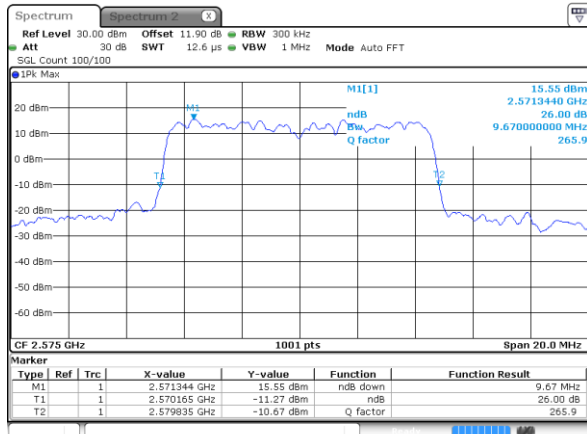
Highest Channel / 5MHz / 16QAM



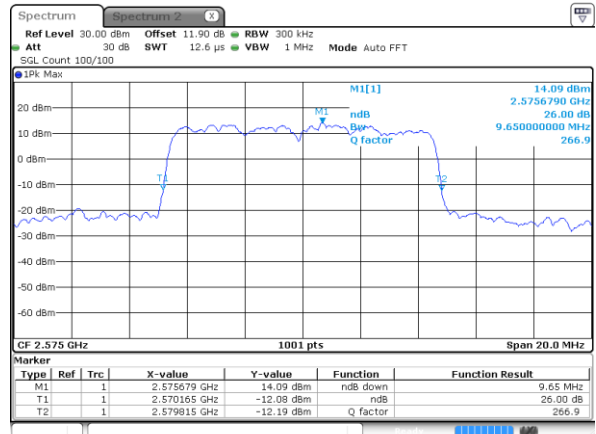


LTE Band 38

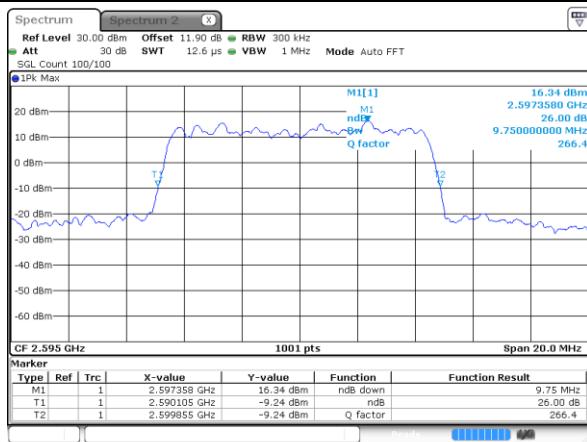
Lowest Channel / 10MHz / QPSK



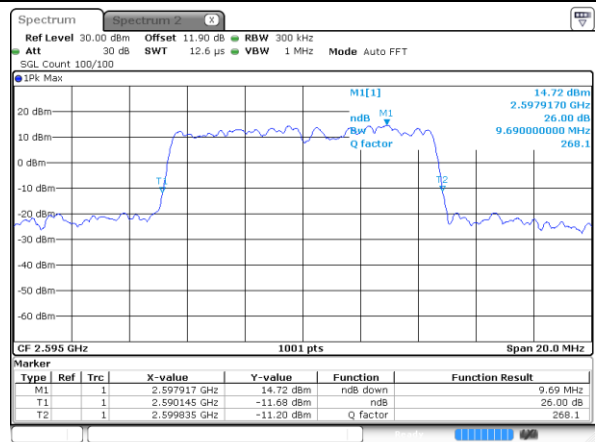
Lowest Channel / 10MHz / 16QAM



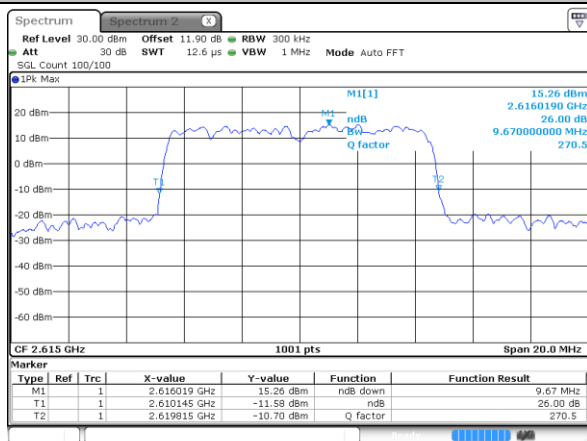
Middle Channel / 10MHz / QPSK



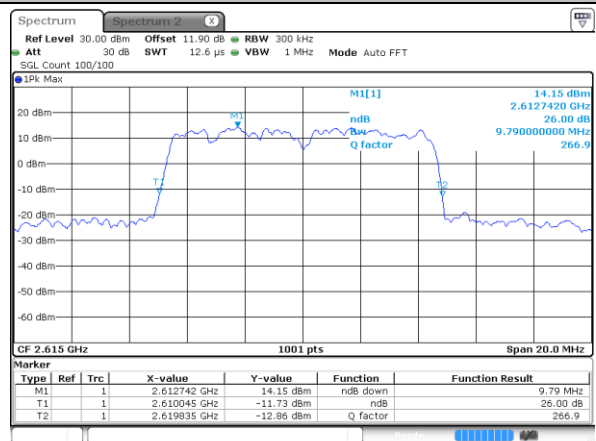
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



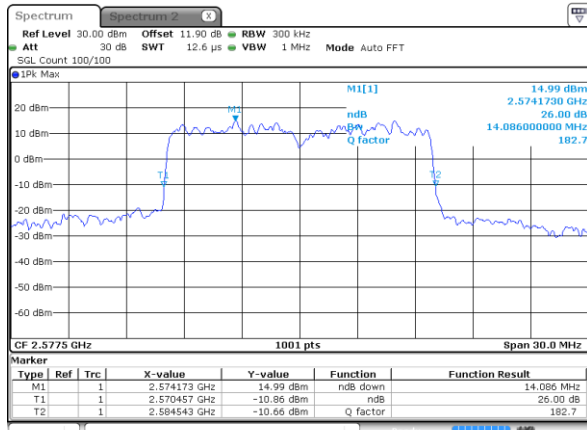
Highest Channel / 10MHz / 16QAM





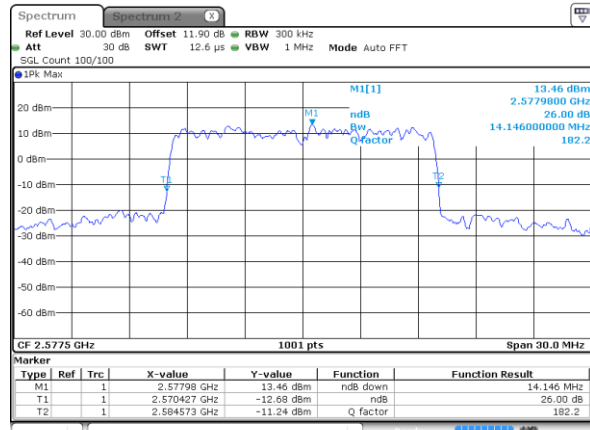
LTE Band 38

Lowest Channel / 15MHz / QPSK



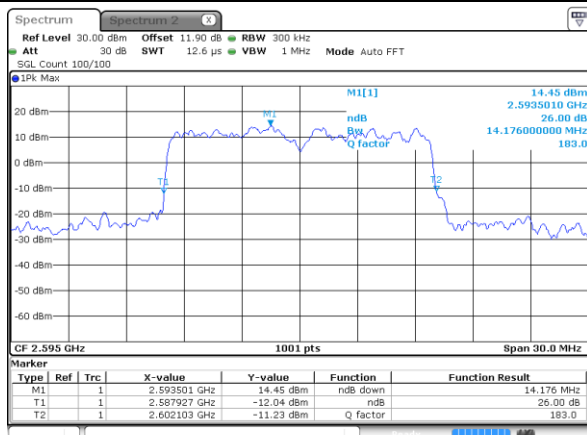
Date: 14 SEP 2017 10:31:49

Lowest Channel / 15MHz / 16QAM



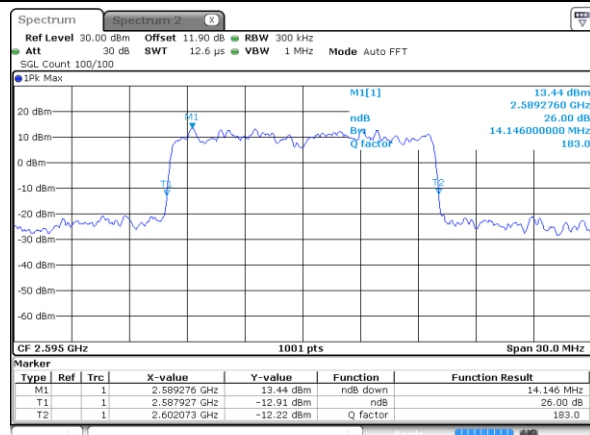
Date: 14 SEP 2017 10:31:59

Middle Channel / 15MHz / QPSK



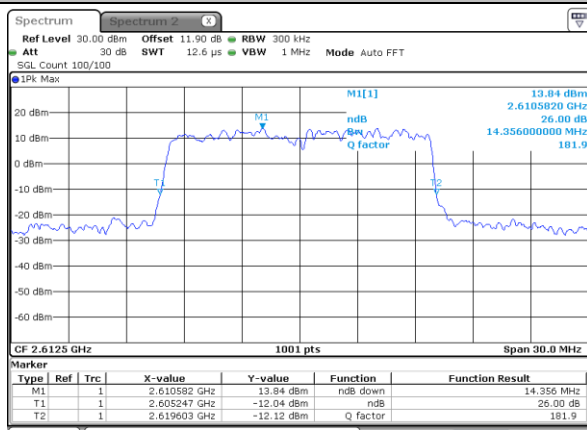
Date: 14 SEP 2017 10:32:29

Middle Channel / 15MHz / 16QAM



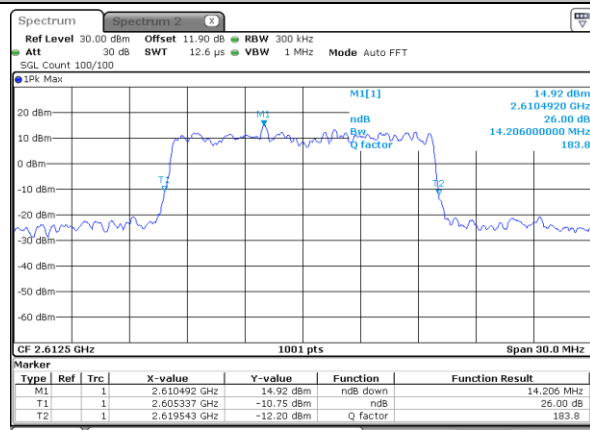
Date: 14 SEP 2017 10:32:39

Highest Channel / 15MHz / QPSK



Date: 14 SEP 2017 10:33:09

Highest Channel / 15MHz / 16QAM

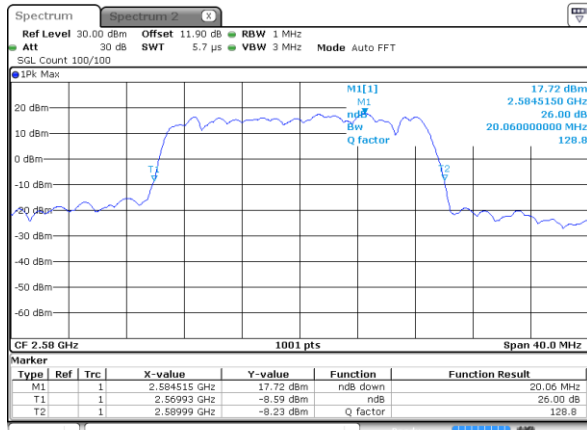


Date: 14 SEP 2017 10:33:19



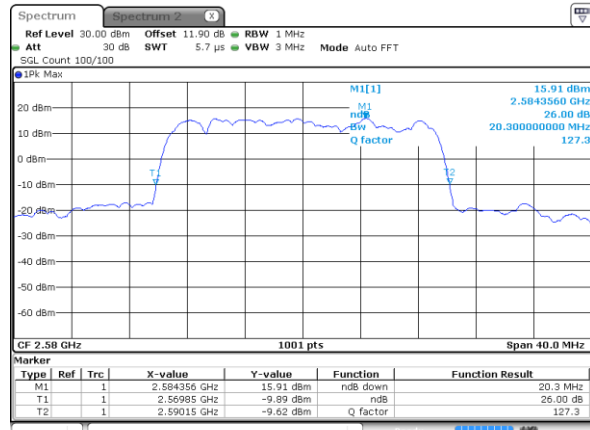
LTE Band 38

Lowest Channel / 20MHz / QPSK



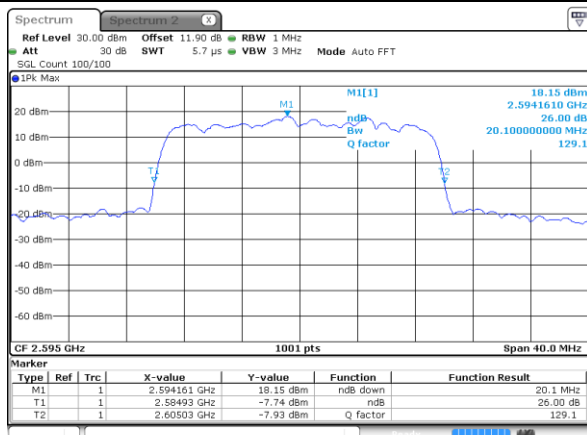
Date: 14 SEP 2017 10:33:49

Lowest Channel / 20MHz / 16QAM



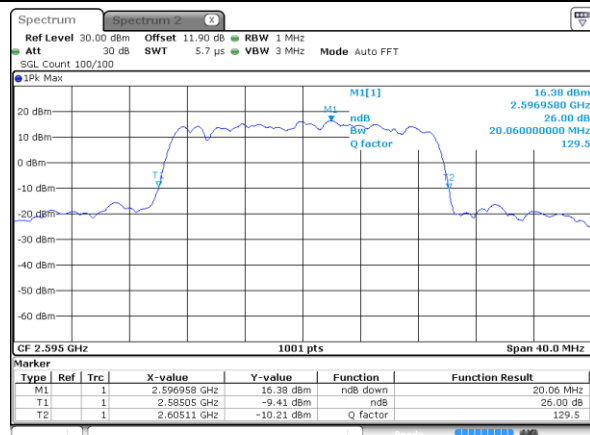
Date: 14 SEP 2017 10:33:59

Middle Channel / 20MHz / QPSK



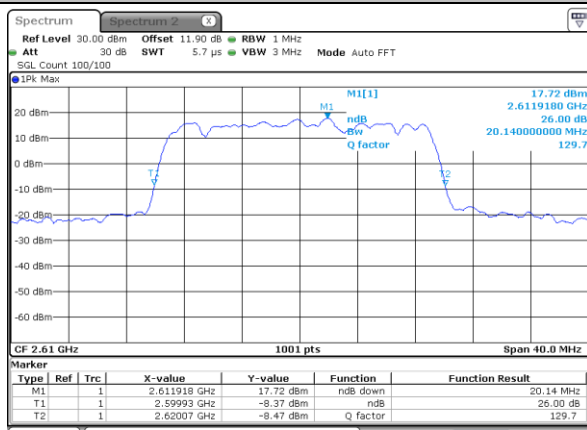
Date: 14 SEP 2017 10:34:29

Middle Channel / 20MHz / 16QAM



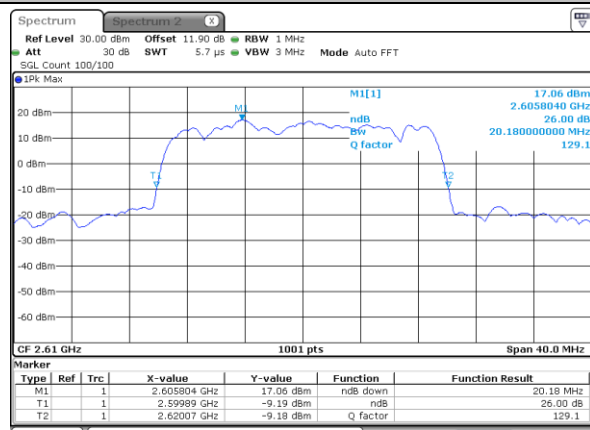
Date: 14 SEP 2017 10:34:39

Highest Channel / 20MHz / QPSK



Date: 14 SEP 2017 10:37:08

Highest Channel / 20MHz / 16QAM

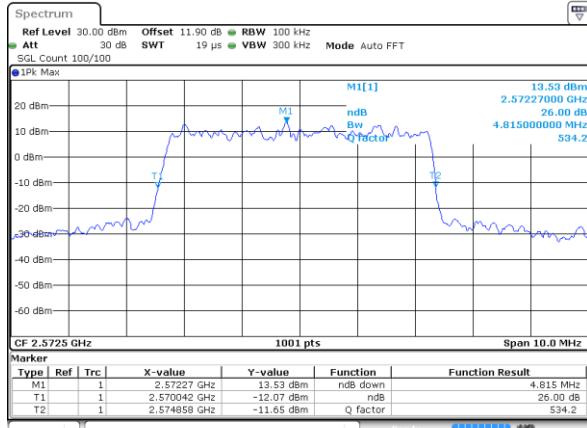


Date: 14 SEP 2017 10:37:18



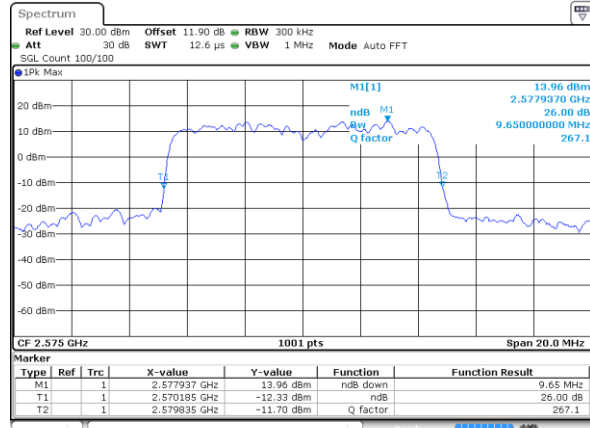
LTE Band 38

Lowest Channel / 5MHz / 64QAM



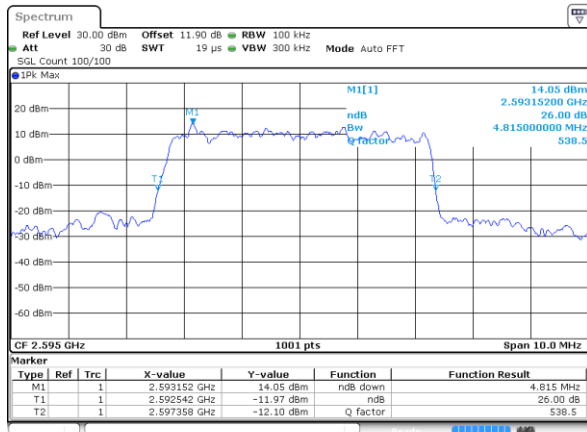
Date: 29 SEP 2017 14:02:31

Lowest Channel / 10MHz / 64QAM



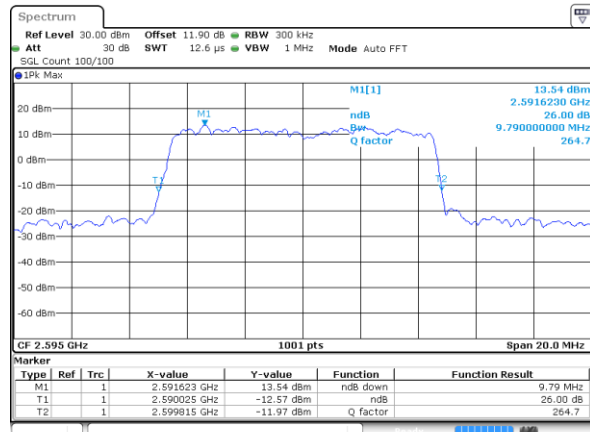
Date: 29 SEP 2017 14:03:35

Middle Channel / 5MHz / 64QAM



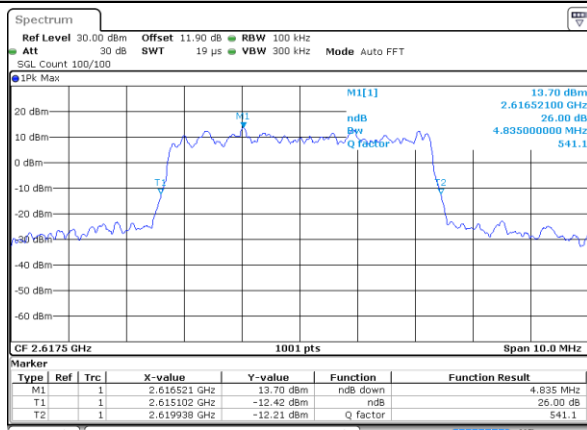
Date: 29 SEP 2017 14:02:52

Middle Channel / 10MHz / 64QAM



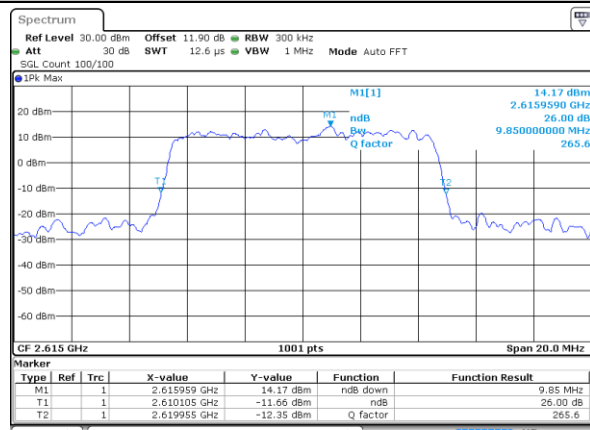
Date: 29 SEP 2017 14:03:57

Highest Channel / 5MHz / 64QAM



Date: 29 SEP 2017 14:03:14

Highest Channel / 10MHz / 64QAM

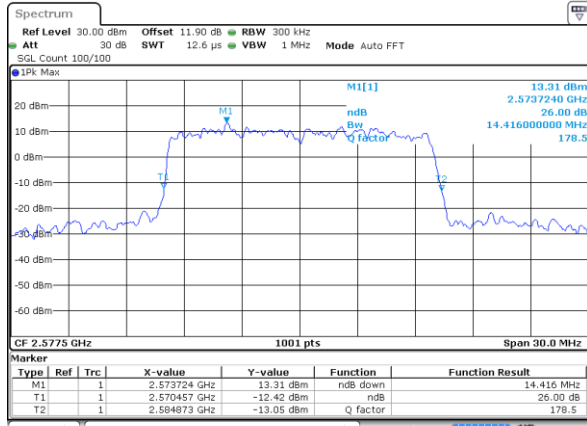


Date: 29 SEP 2017 14:04:18



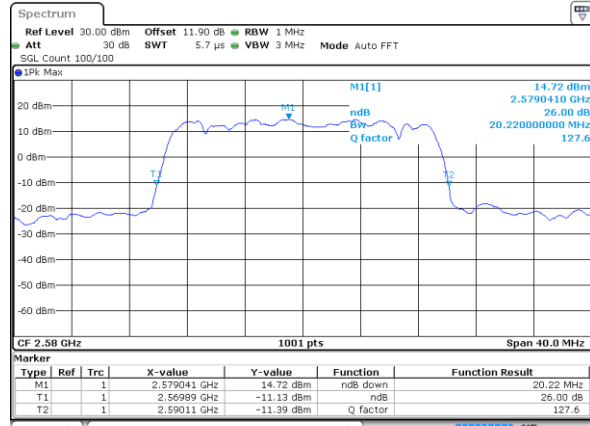
LTE Band 38

Lowest Channel / 15MHz / 64QAM



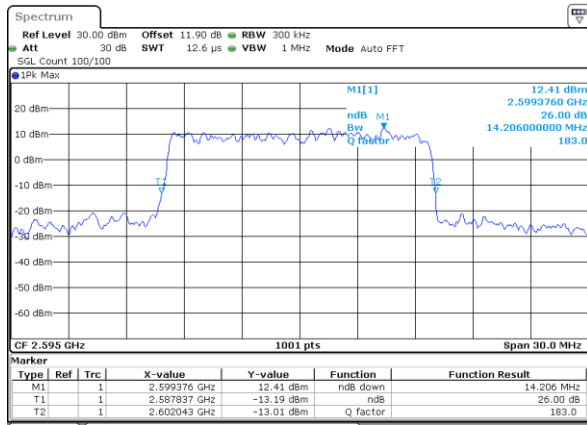
Date: 29 SEP 2017 14:04:39

Lowest Channel / 20MHz / 64QAM



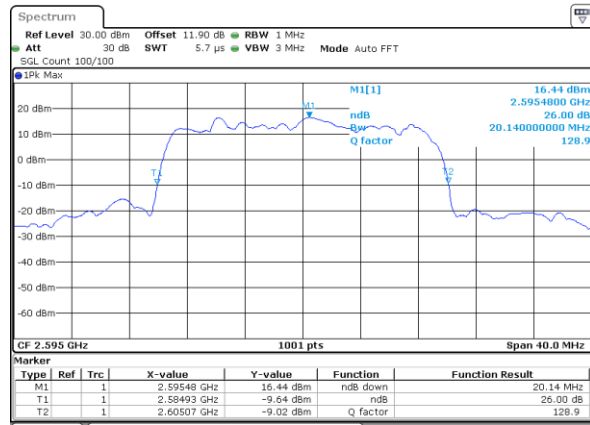
Date: 29 SEP 2017 14:05:43

Middle Channel / 15MHz / 64QAM



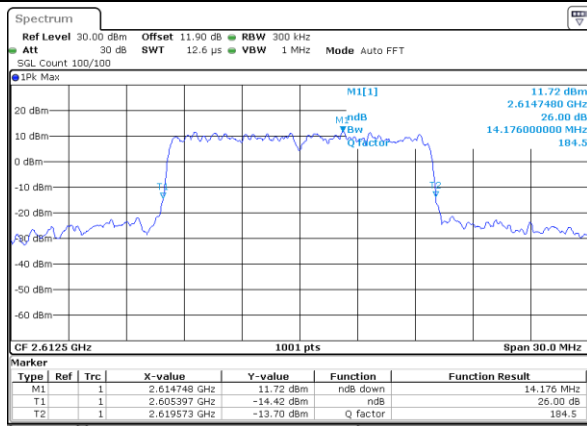
Date: 29 SEP 2017 14:05:00

Middle Channel / 20MHz / 64QAM



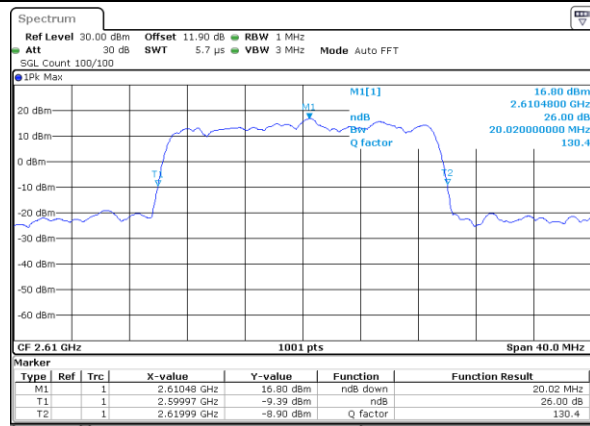
Date: 29 SEP 2017 14:05:05

Highest Channel / 15MHz / 64QAM



Date: 29 SEP 2017 14:05:21

Highest Channel / 20MHz / 64QAM



Date: 29 SEP 2017 14:06:27

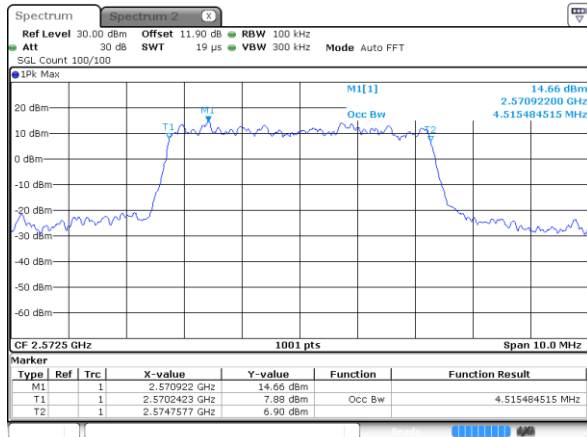
**Occupied Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.52	4.48	9.03	8.99	13.46	13.55	18.34	18.46
Middle CH	-	-	-	-	4.53	4.5	8.97	9.01	13.46	13.49	18.5	18.26
Highest CH	-	-	-	-	4.49	4.49	9.01	9.01	13.43	13.49	18.14	18.26
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.5	-	8.97	-	13.46	-	18.46	-
Middle CH	-	-	-	-	4.52	-	9.01	-	13.37	-	18.22	-
Highest CH	-	-	-	-	4.47	-	9.05	-	13.40	-	18.26	-



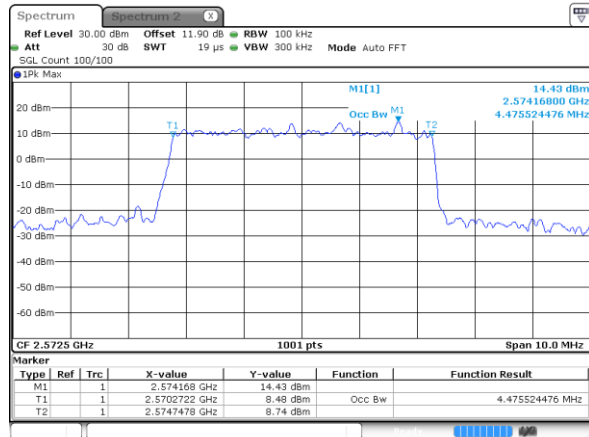
LTE Band 38

Lowest Channel / 5MHz / QPSK



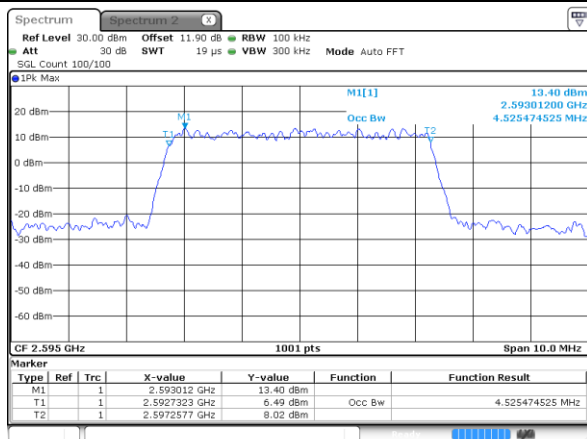
Date: 14 SEP 2017 10:27:28

Lowest Channel / 5MHz / 16QAM



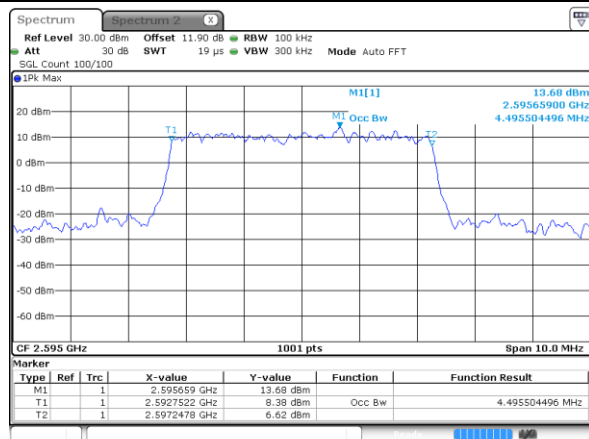
Date: 14 SEP 2017 10:27:38

Middle Channel / 5MHz / QPSK



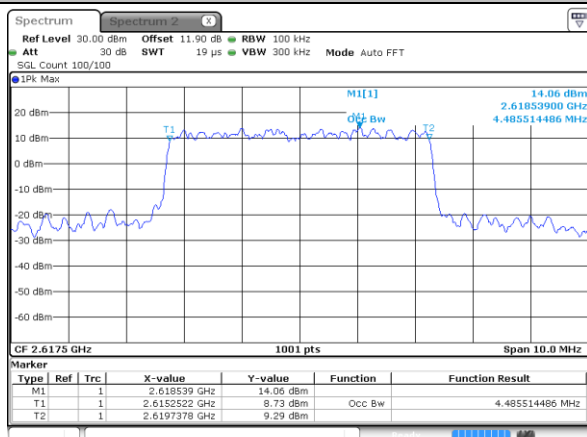
Date: 14 SEP 2017 10:28:08

Middle Channel / 5MHz / 16QAM



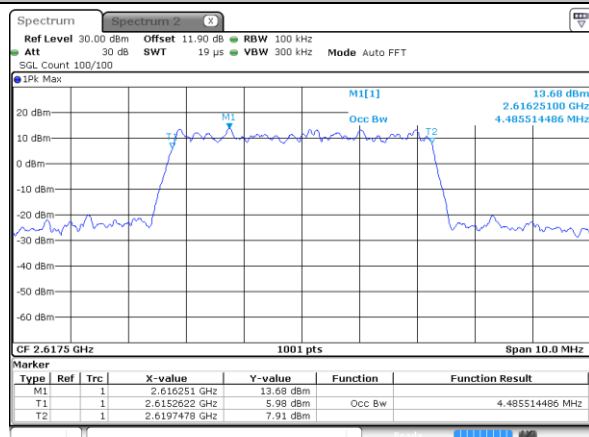
Date: 14 SEP 2017 10:28:18

Highest Channel / 5MHz / QPSK



Date: 14 SEP 2017 10:28:48

Highest Channel / 5MHz / 16QAM

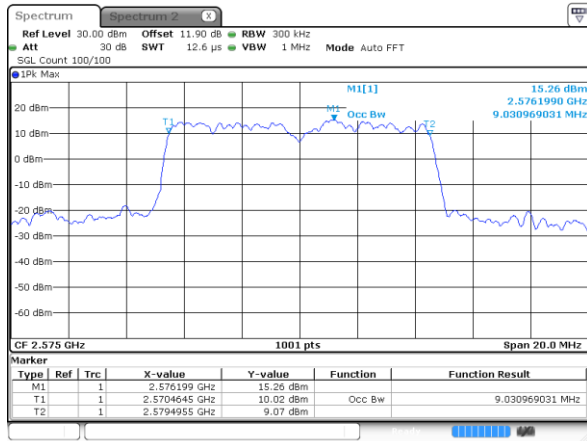


Date: 14 SEP 2017 10:28:58



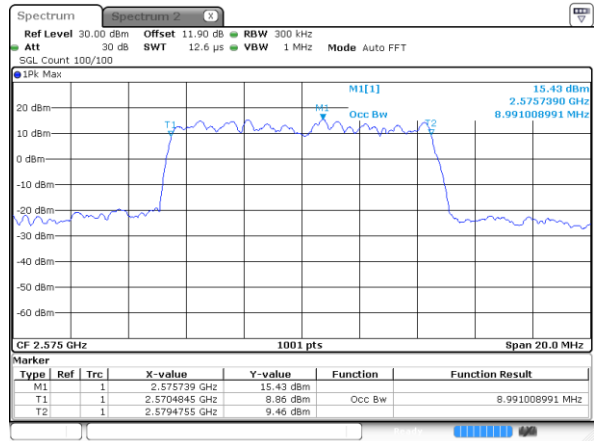
LTE Band 38

Lowest Channel / 10MHz / QPSK



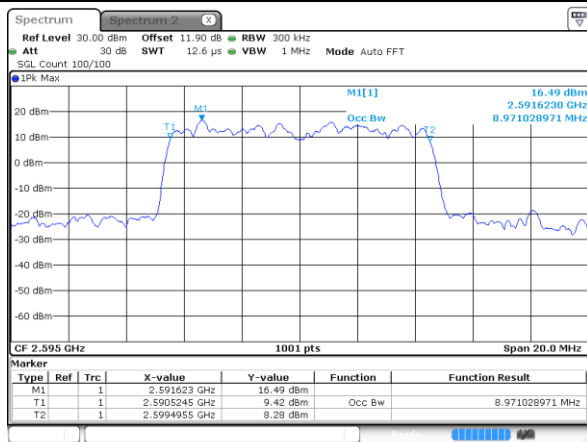
Date: 14 SEP 2017 10:29:28

Lowest Channel / 10MHz / 16QAM



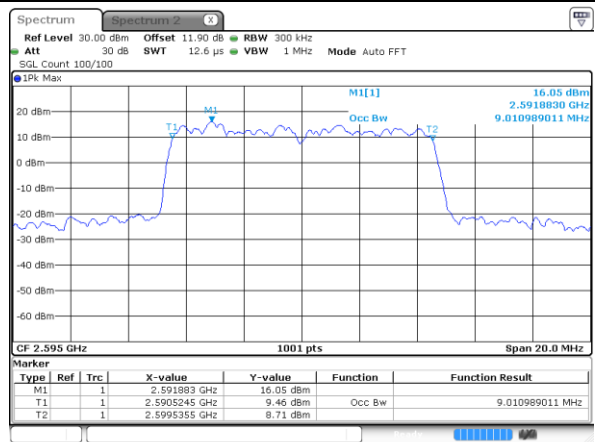
Date: 14 SEP 2017 10:29:38

Middle Channel / 10MHz / QPSK



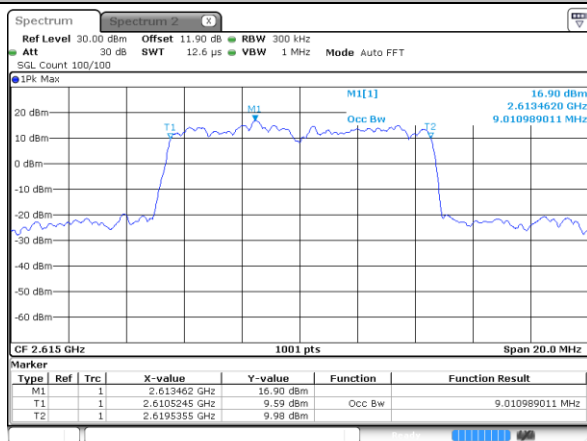
Date: 14 SEP 2017 10:30:09

Middle Channel / 10MHz / 16QAM



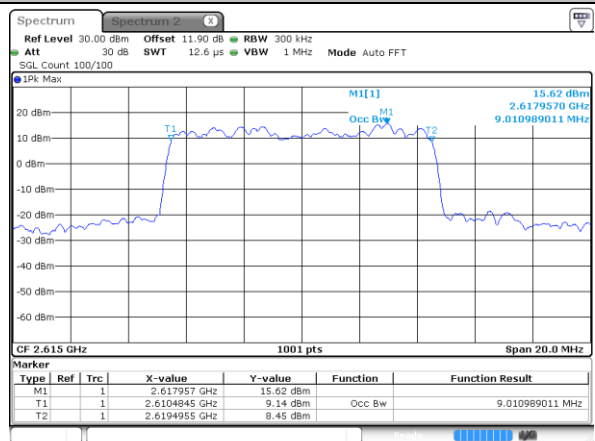
Date: 14 SEP 2017 10:30:18

Highest Channel / 10MHz / QPSK



Date: 14 SEP 2017 10:30:49

Highest Channel / 10MHz / 16QAM

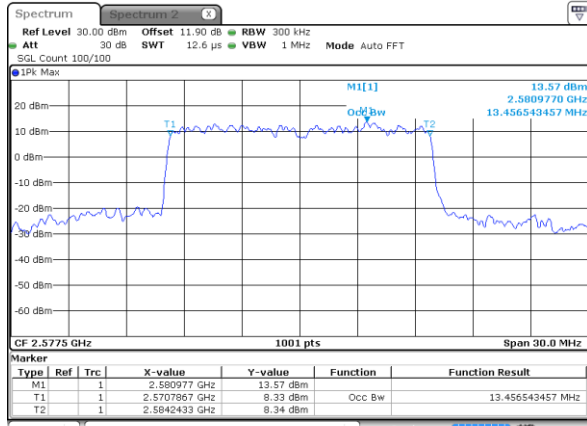


Date: 14 SEP 2017 10:30:59



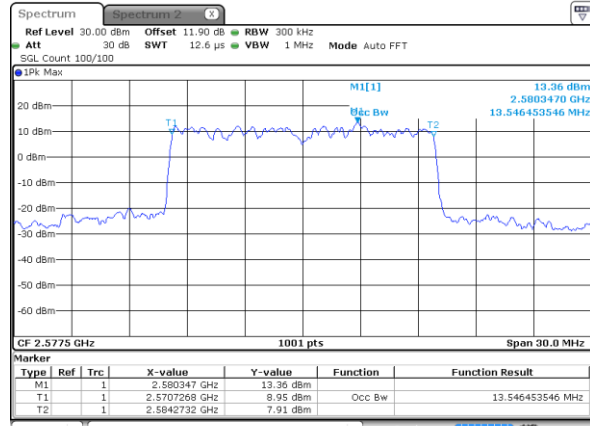
LTE Band 38

Lowest Channel / 15MHz / QPSK



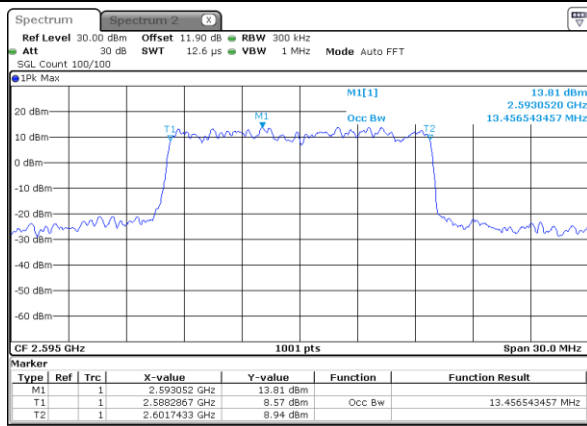
Date: 14 SEP 2017 10:31:29

Lowest Channel / 15MHz / 16QAM



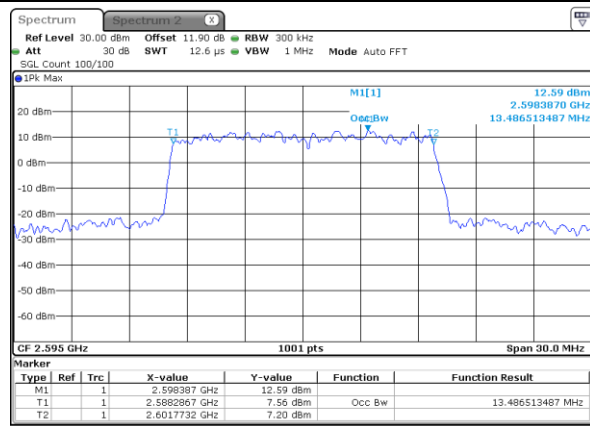
Date: 14 SEP 2017 10:31:39

Middle Channel / 15MHz / QPSK



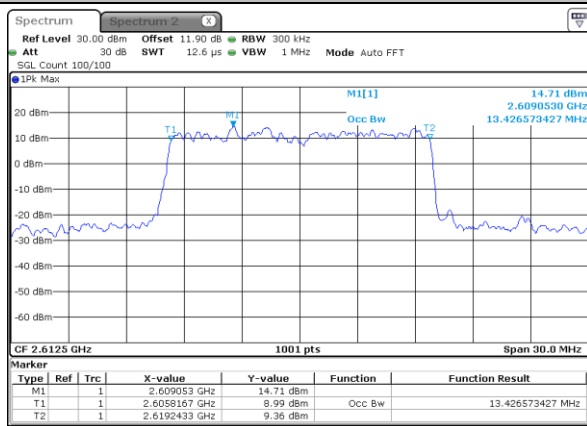
Date: 14 SEP 2017 10:32:09

Middle Channel / 15MHz / 16QAM



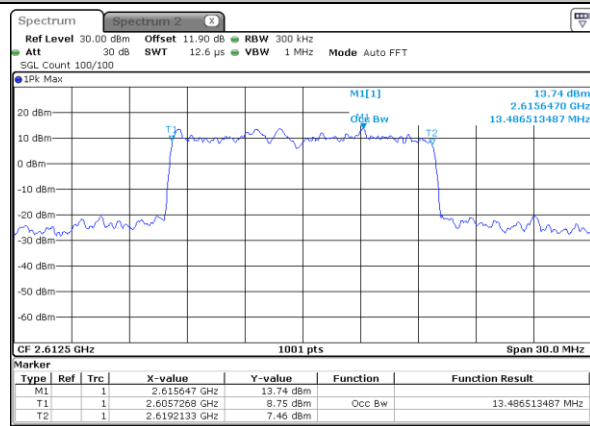
Date: 14 SEP 2017 10:32:19

Highest Channel / 15MHz / QPSK



Date: 14 SEP 2017 10:32:49

Highest Channel / 15MHz / 16QAM

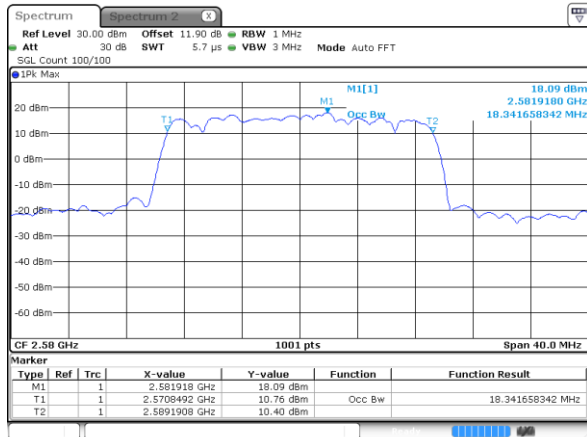


Date: 14 SEP 2017 10:32:59



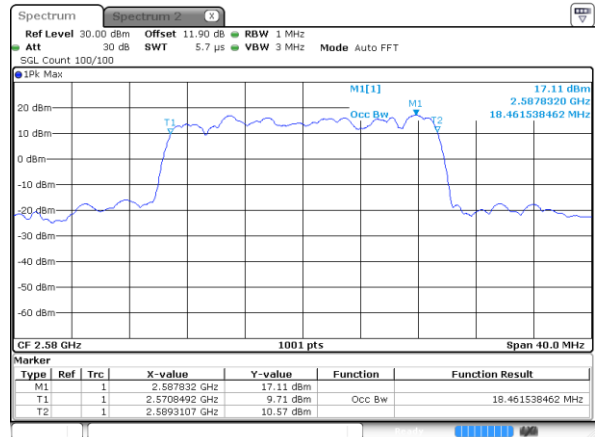
LTE Band 38

Lowest Channel / 20MHz / QPSK



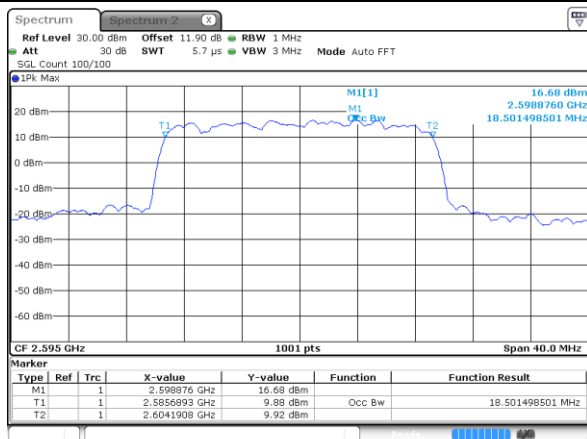
Date: 14 SEP 2017 10:33:29

Lowest Channel / 20MHz / 16QAM



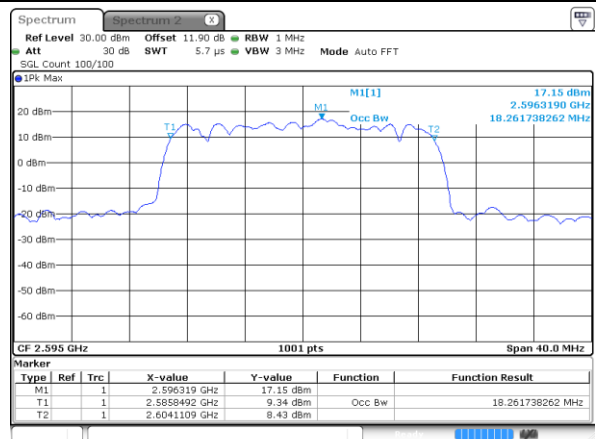
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Middle Channel / 20MHz / QPSK



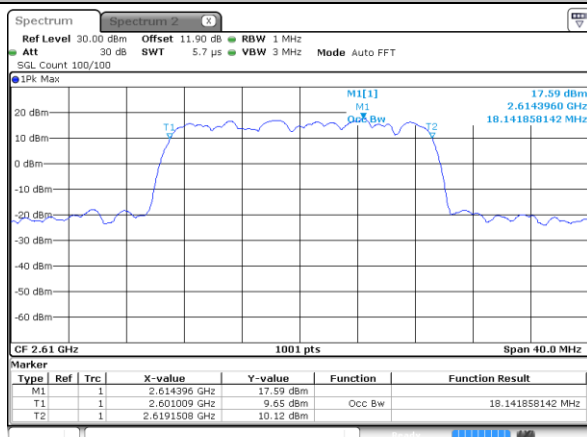
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Middle Channel / 20MHz / 16QAM



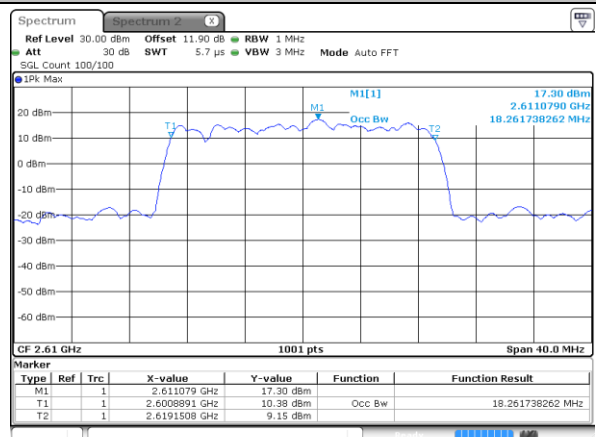
Date: 14 SEP 2017 10:34:19

Highest Channel / 20MHz / QPSK



Date: 14 SEP 2017 10:34:49

Highest Channel / 20MHz / 16QAM



Date: 14 SEP 2017 10:34:59