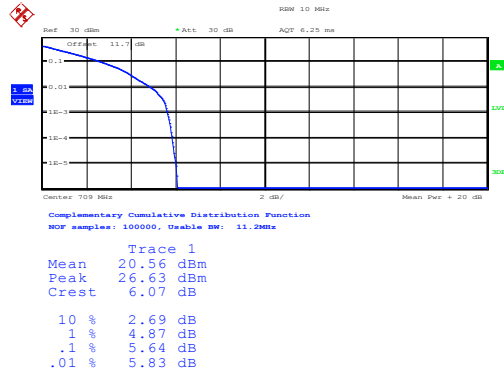
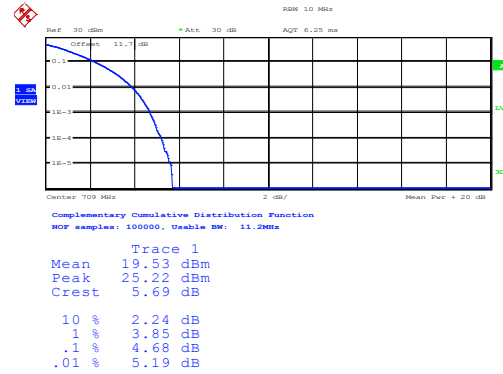
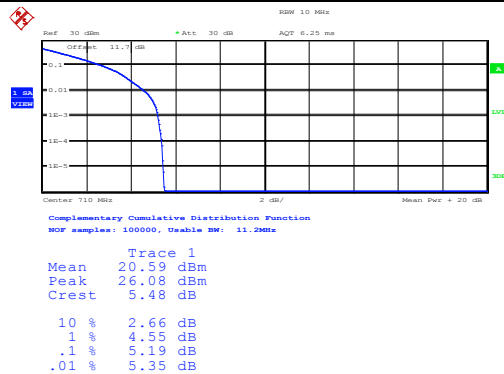
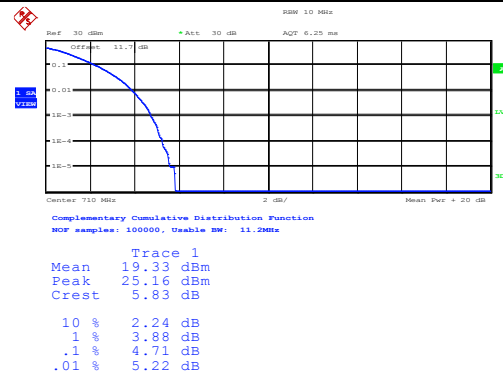
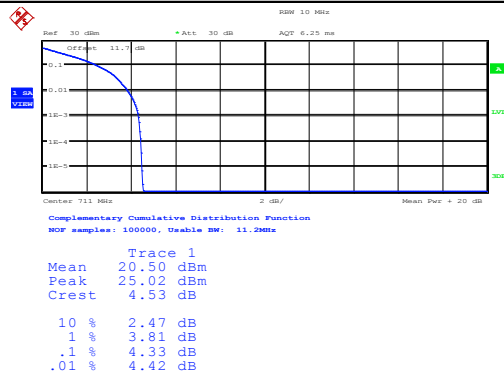
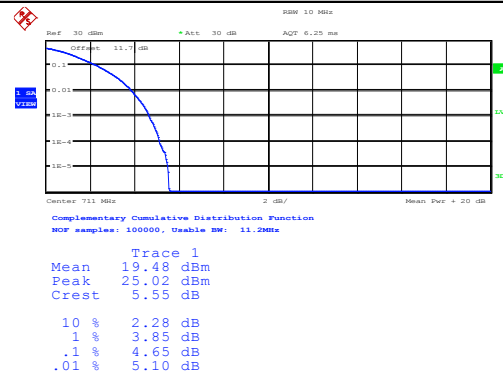




LTE Band 17

Peak-to-Average Ratio

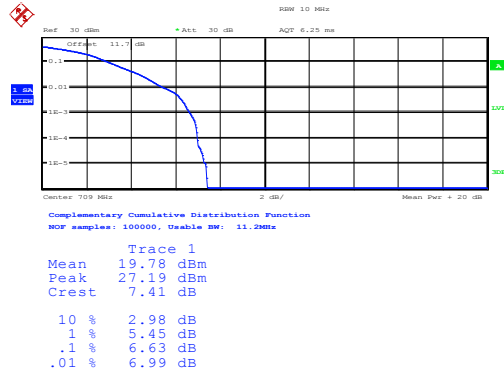
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.64	4.68	6.63	5.42	PASS
Middle CH	5.19	4.71	6.41	5.35	
Highest CH	4.33	4.65	5.45	5.22	

**LTE Band 17 / 10MHz / QPSK****Lowest Channel / 1RB****Lowest Channel / Full RB****Middle Channel/ 1RB****Middle Channel / Full RB****Highest Channel/ 1RB****Highest Channel / Full RB**



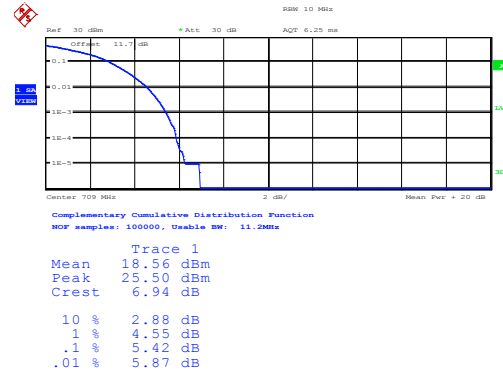
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



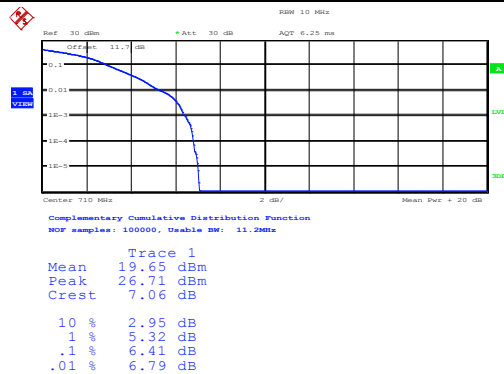
Date: 16.FEB.2015 10:03:57

Lowest Channel / Full RB



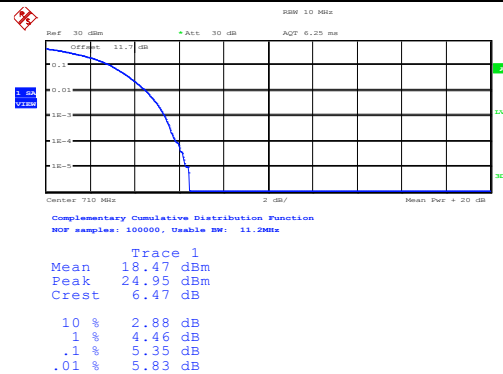
Date: 16.FEB.2015 10:05:57

Middle Channel/ 1RB



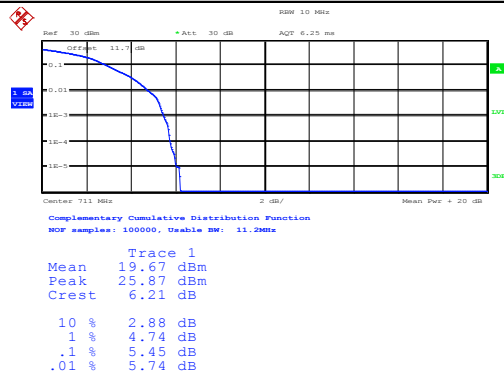
Date: 16.FEB.2015 10:06:30

Middle Channel / Full RB



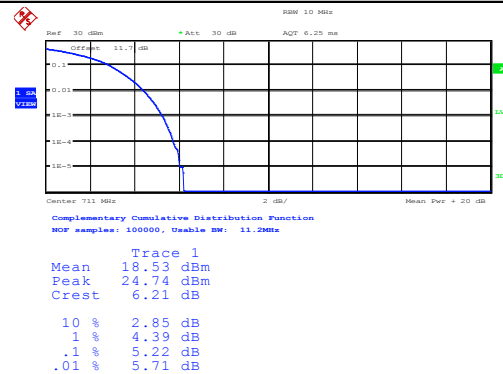
Date: 16.FEB.2015 10:06:48

Highest Channel/ 1RB



Date: 16.FEB.2015 10:07:03

Highest Channel / Full RB



Date: 16.FEB.2015 10:07:22



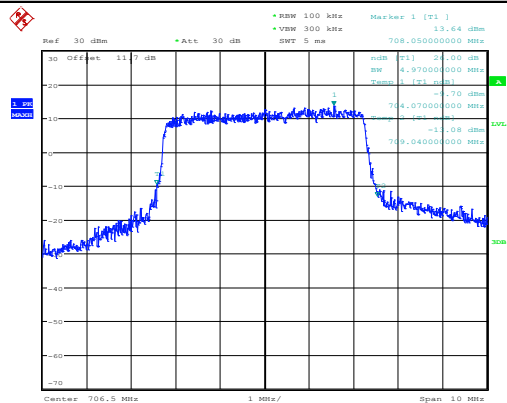
26dB Bandwidth

Mode	LTE Band 17 : 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	-	-	-	-	4.97	5.00	10.30	10.20	-	-	-	-
Middle CH	-	-	-	-	6.04	5.07	10.30	10.24	-	-	-	-
Highest CH	-	-	-	-	5.14	5.07	10.52	10.30	-	-	-	-



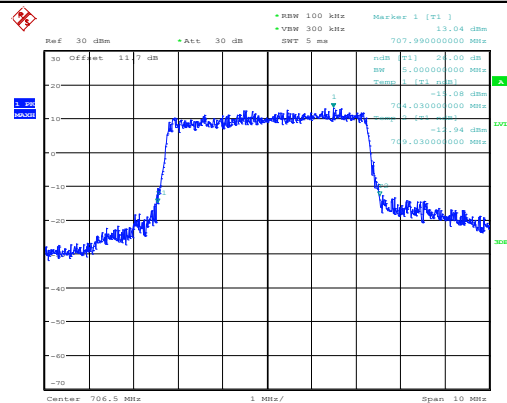
LTE Band 17

Lowest Channel / 5MHz / QPSK



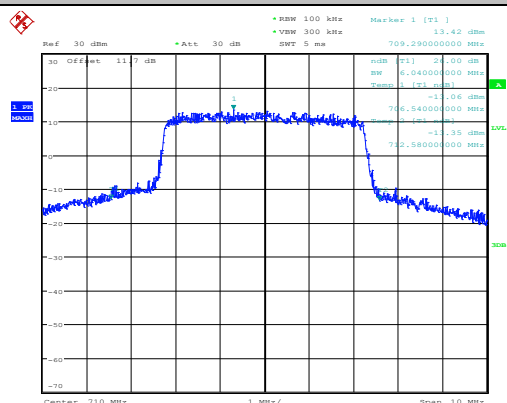
Date: 16.FEB.2015 09:24:48

Lowest Channel / 5MHz / 16QAM



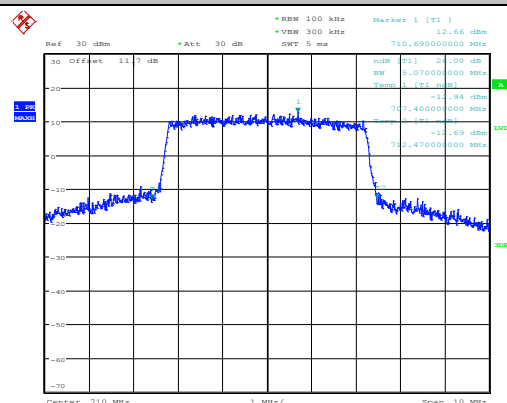
Date: 16.FEB.2015 09:25:01

Middle Channel / 5MHz / QPSK



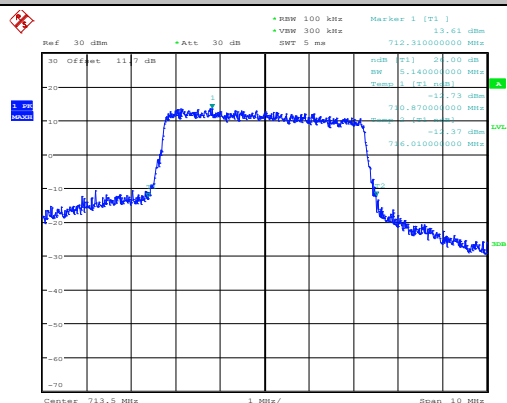
Date: 16.FEB.2015 09:32:34

Middle Channel / 5MHz / 16QAM



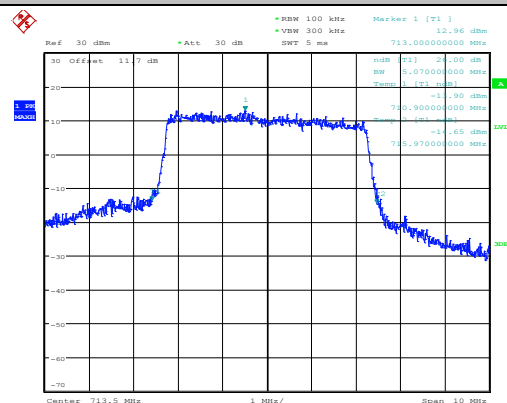
Date: 16.FEB.2015 09:32:47

Highest Channel / 5MHz / QPSK



Date: 16.FEB.2015 09:35:41

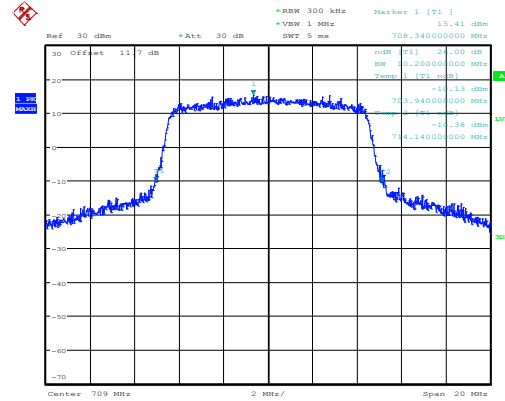
Highest Channel / 5MHz / 16QAM



Date: 16.FEB.2015 09:35:54

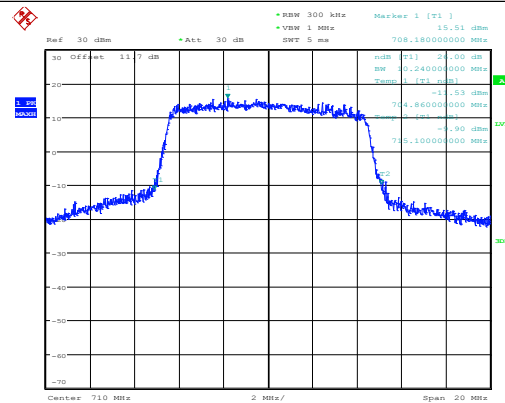


Lowest Channel / 10MHz / 16QAM



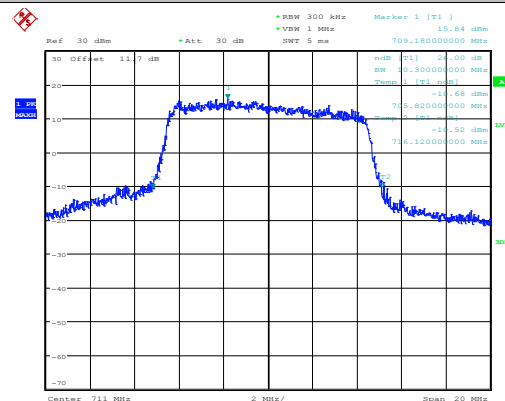
Date: 16.FEB.2015 09:43:44

Middle Channel / 10MHz / 16QAM



Date: 16.FEB.2015 09:51:31

Highest Channel / 10MHz / 16QAM



Date: 16.FEB.2015 09:54:38



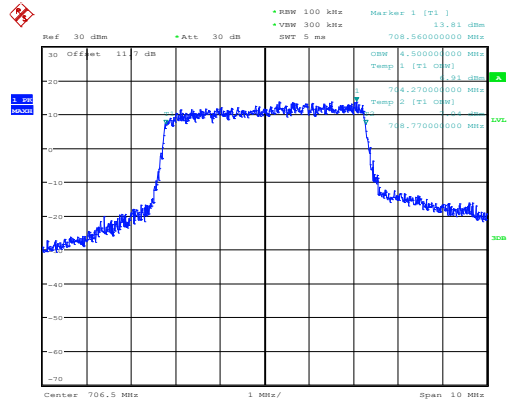
Occupied Bandwidth

Mode	LTE Band 17 : 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	-	-	-	-	4.50	4.50	9.00	9.00	-	-	-	-
Middle CH	-	-	-	-	4.55	4.51	9.06	8.98	-	-	-	-
Highest CH	-	-	-	-	4.51	4.51	9.06	9.04	-	-	-	-



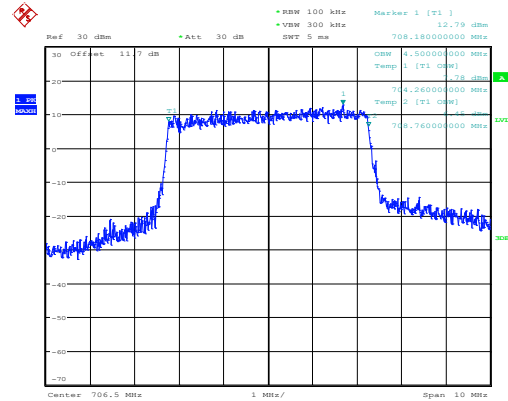
LTE Band 17

Lowest Channel / 5MHz / QPSK



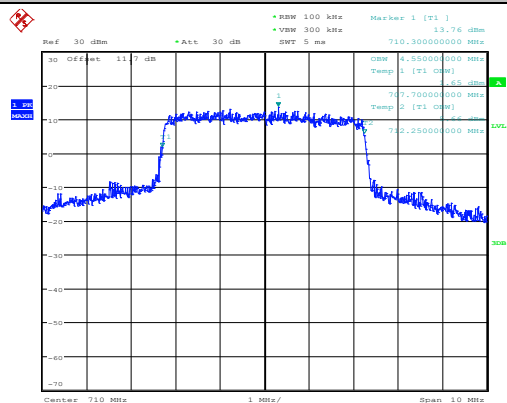
Date: 16.FEB.2015 10:25:26

Lowest Channel / 5MHz / 16QAM



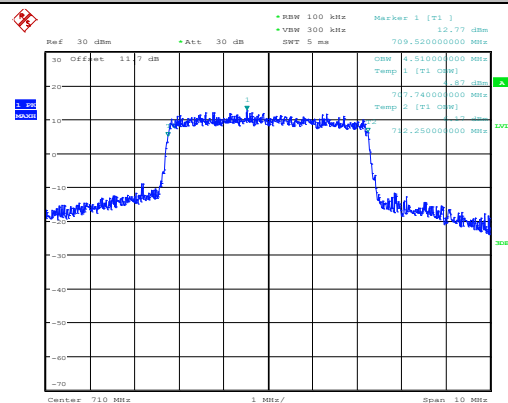
Date: 16.FEB.2015 09:24:35

Middle Channel / 5MHz / QPSK



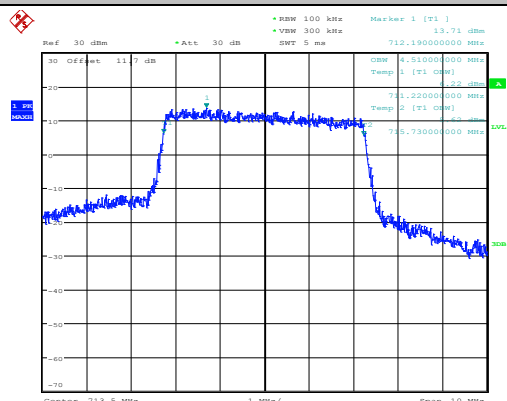
Date: 16.FEB.2015 09:32:10

Middle Channel / 5MHz / 16QAM



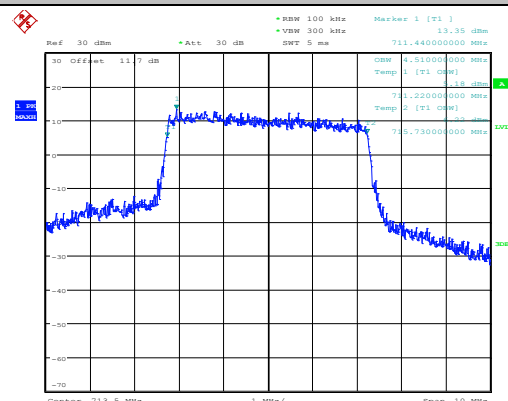
Date: 16.FEB.2015 09:32:21

Highest Channel / 5MHz / QPSK



Date: 16.FEB.2015 09:35:17

Highest Channel / 5MHz / 16QAM

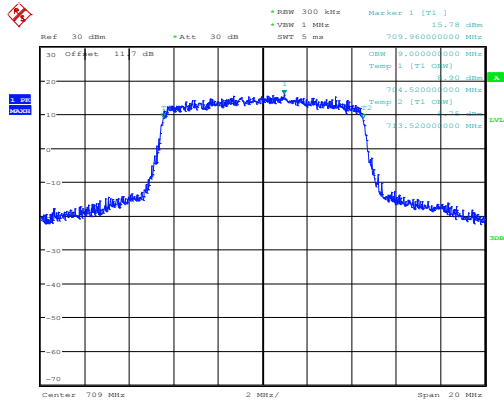


Date: 16.FEB.2015 09:35:28



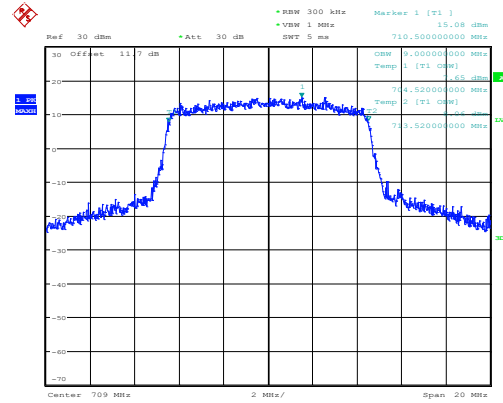
LTE Band 17

Lowest Channel / 10MHz / QPSK



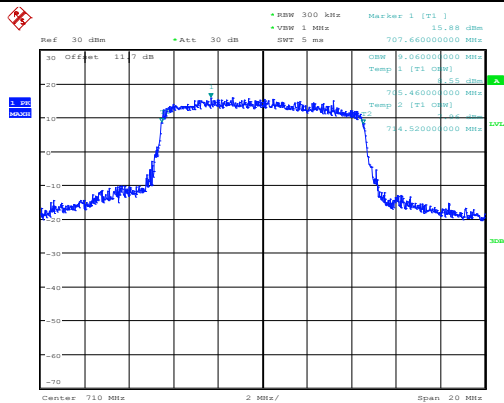
Date: 16.FEB.2015 09:43:08

Lowest Channel / 10MHz / 16QAM



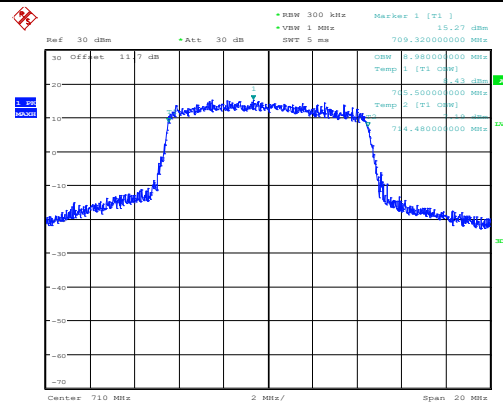
Date: 16.FEB.2015 09:43:18

Middle Channel / 10MHz / QPSK



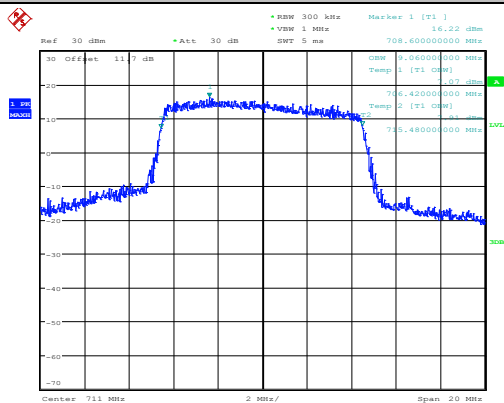
Date: 16.FEB.2015 09:50:54

Middle Channel / 10MHz / 16QAM



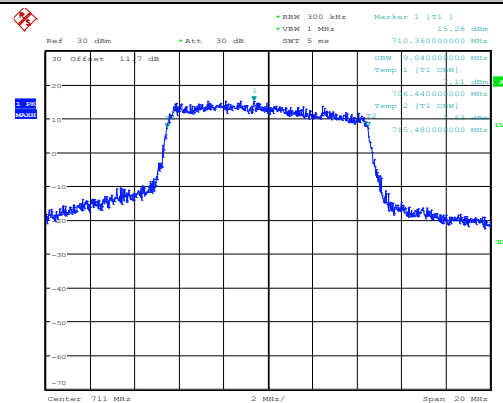
Date: 16.FEB.2015 09:51:05

Highest Channel / 10MHz / QPSK



Date: 16.FEB.2015 09:54:01

Highest Channel / 10MHz / 16QAM



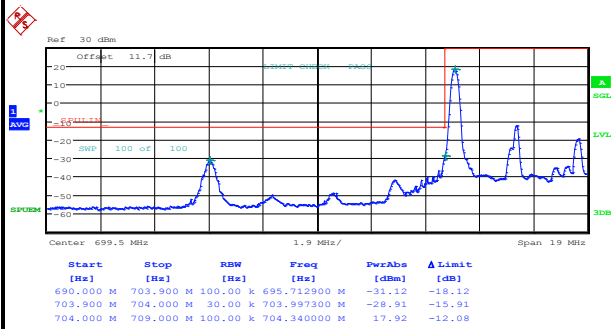
Date: 16.FEB.2015 09:54:12



Conducted Band Edge

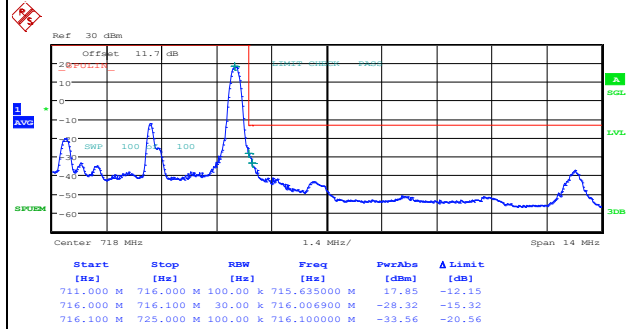
LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



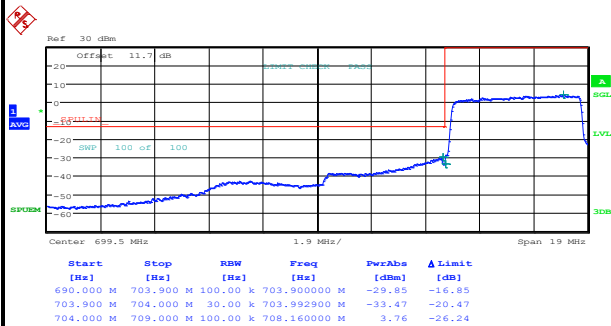
Date: 16.FEB.2015 09:26:10

Highest Band Edge / 1 RB



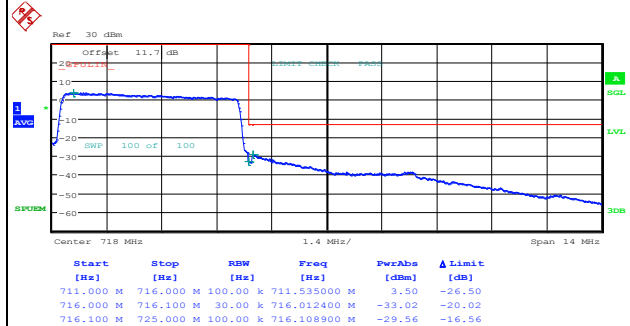
Date: 16.FEB.2015 09:37:03

Lowest Band Edge / Full RB



Date: 16.FEB.2015 09:28:30

Highest Band Edge / Full RB

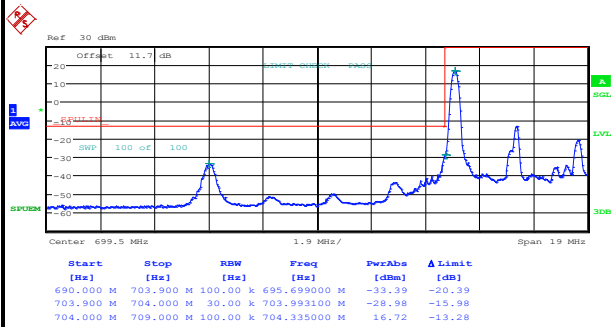


Date: 16.FEB.2015 09:39:23



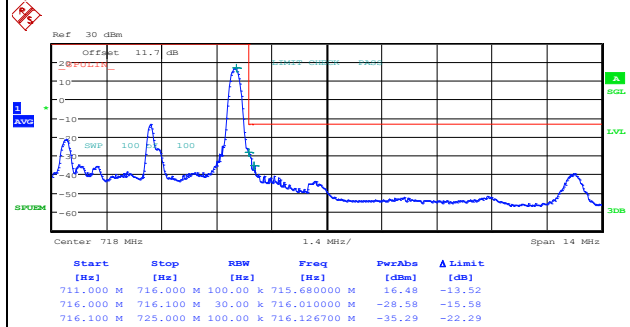
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



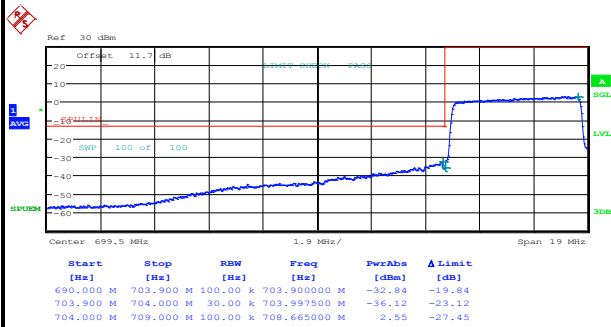
Date: 16.FEB.2015 09:27:20

Highest Band Edge / 1 RB



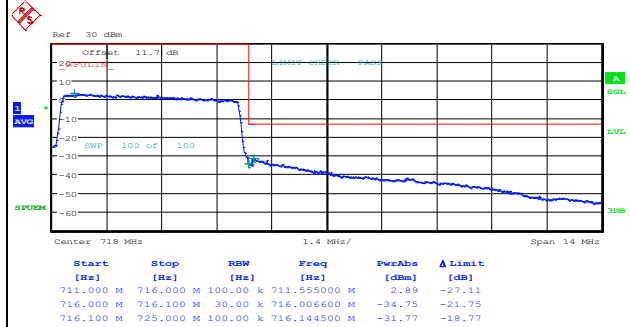
Date: 16.FEB.2015 09:38:13

Lowest Band Edge / Full RB



Date: 16.FEB.2015 09:29:40

Highest Band Edge / Full RB

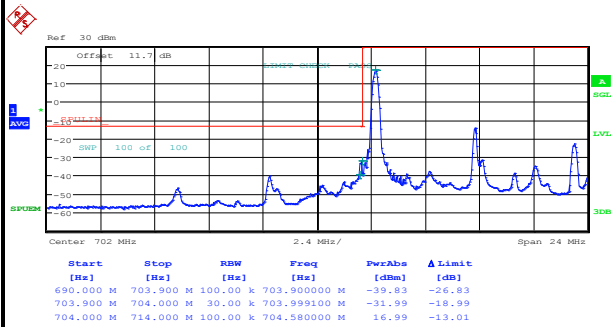


Date: 16.FEB.2015 09:40:33



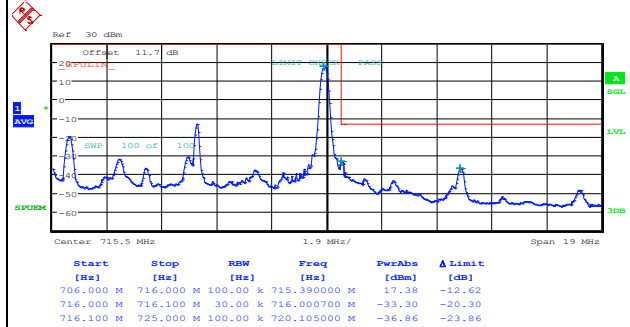
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



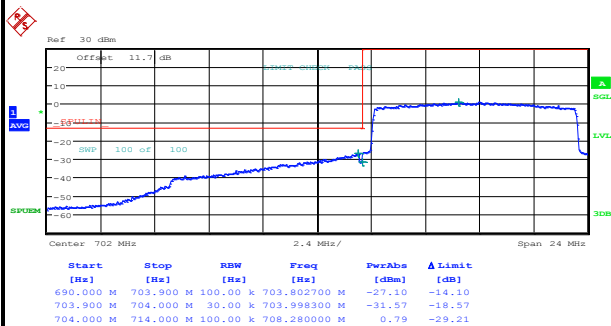
Date: 16.FEB.2015 09:44:54

Highest Band Edge / 1 RB



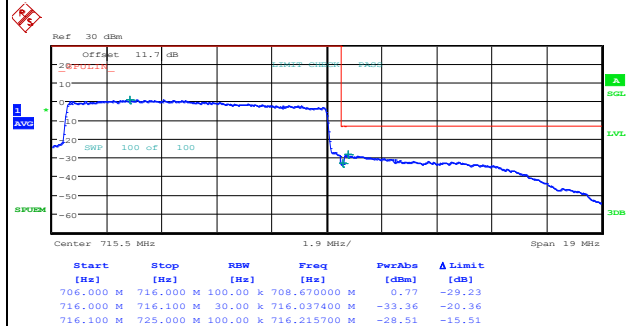
Date: 16.FEB.2015 09:55:47

Lowest Band Edge / Full RB



Date: 16.FEB.2015 09:47:13

Highest Band Edge / Full RB

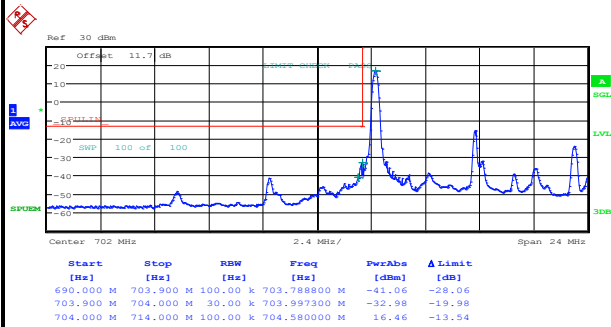


Date: 16.FEB.2015 09:58:07



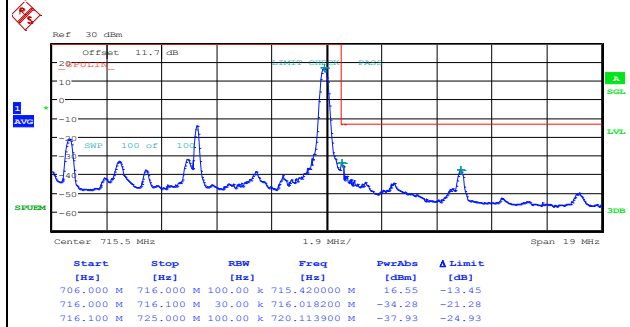
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



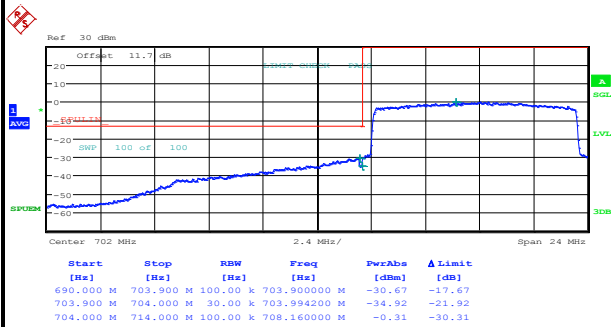
Date: 16.FEB.2015 09:46:04

Highest Band Edge / 1 RB



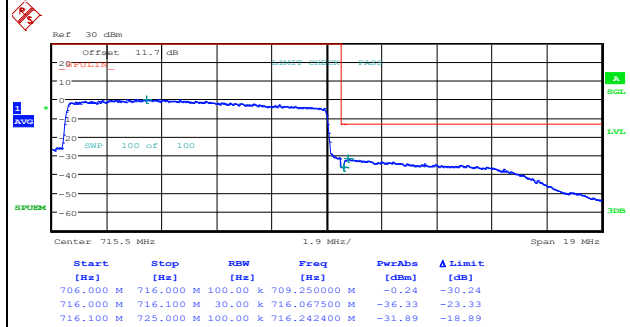
Date: 16.FEB.2015 09:56:57

Lowest Band Edge / Full RB



Date: 16.FEB.2015 09:48:23

Highest Band Edge / Full RB



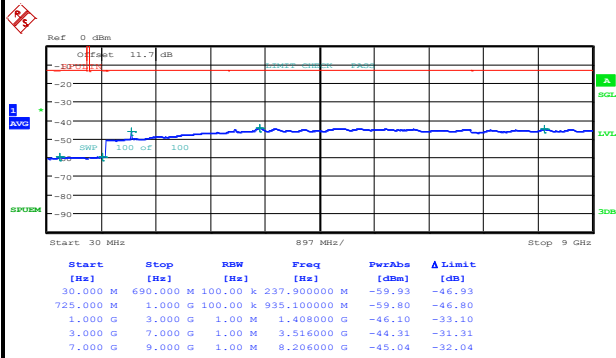
Date: 16.FEB.2015 09:59:16



Conducted Spurious Emission

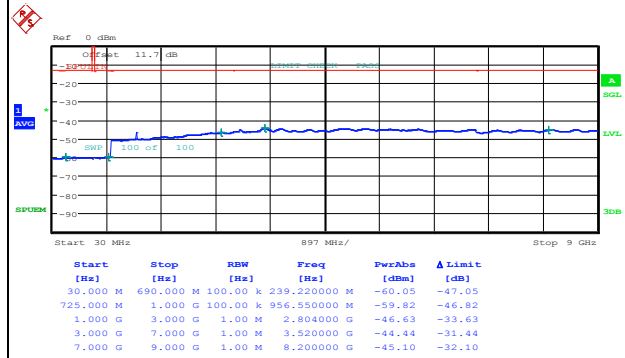
LTE Band 17 / 5MHz

Lowest Channel / QPSK



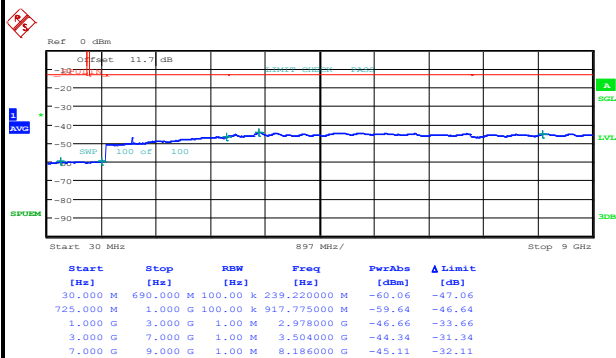
Date: 16.FEB.2015 09:30:50

Lowest Channel / 16QAM



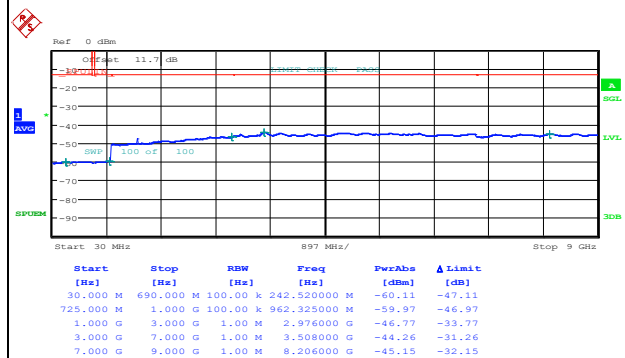
Date: 16.FEB.2015 09:31:59

Middle Channel / QPSK



Date: 16.FEB.2015 09:33:56

Middle Channel / 16QAM

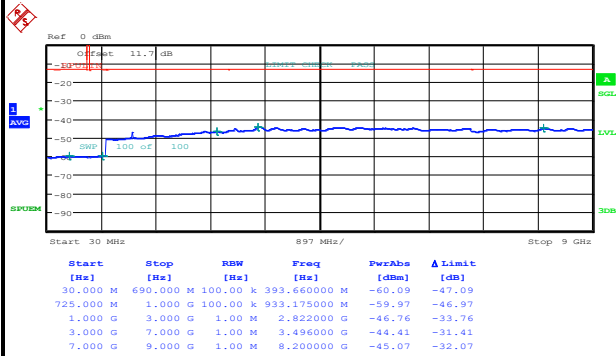


Date: 16.FEB.2015 09:35:06



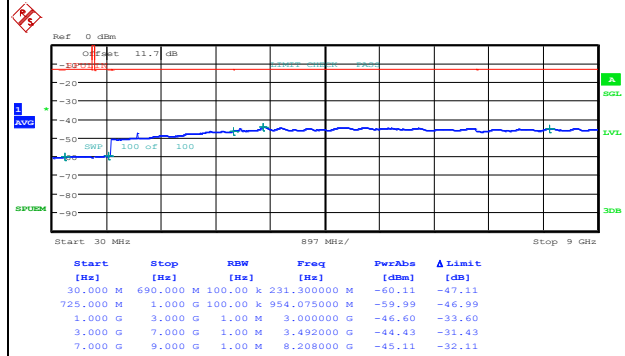
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 16.FEB.2015 09:41:42

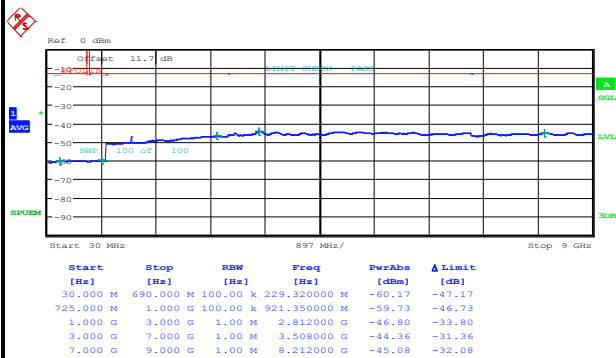
Highest Channel / 16QAM



Date: 16.FEB.2015 09:42:52

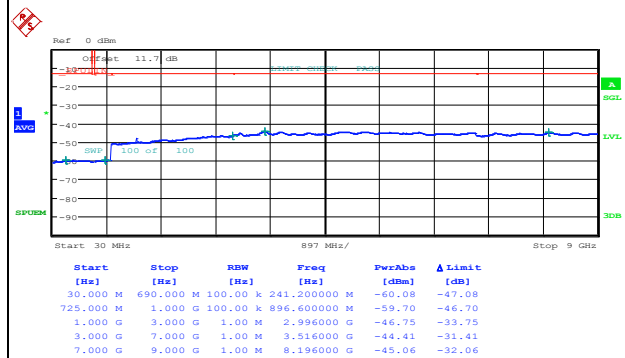
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 16.FEB.2015 09:49:33

Lowest Channel / 16QAM

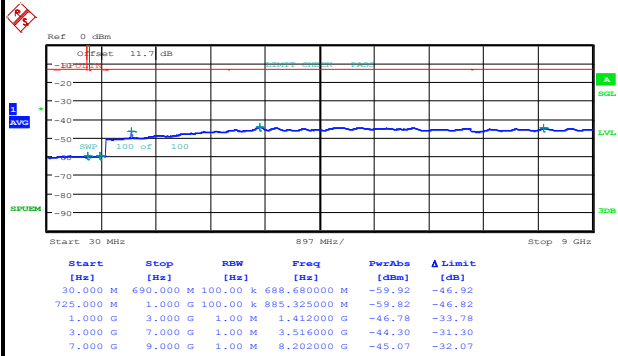


Date: 16.FEB.2015 09:50:43



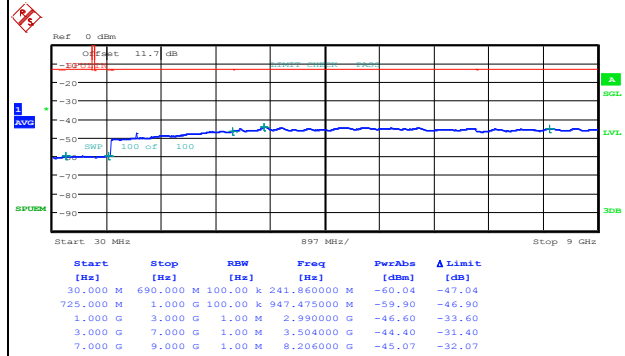
LTE Band 17 / 10MHz

Middle Channel / QPSK



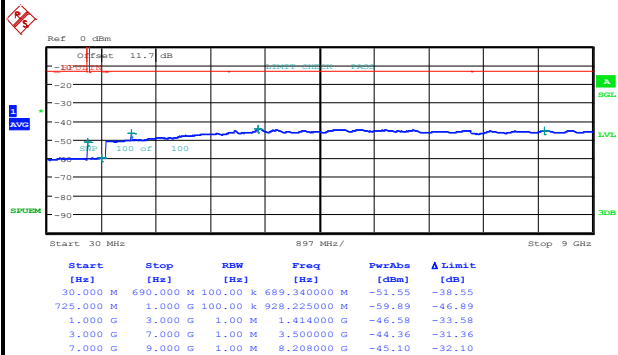
Date: 16.FEB.2015 09:52:40

Middle Channel / 16QAM



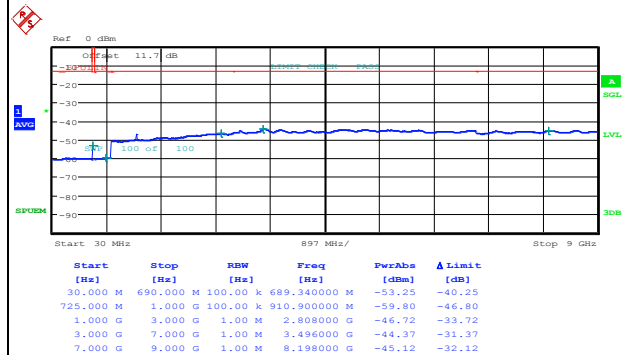
Date: 16.FEB.2015 09:53:50

Highest Channel / QPSK



Date: 16.FEB.2015 10:00:26

Highest Channel / 16QAM



Date: 16.FEB.2015 10:01:36

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	0.0013	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Within Band
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	-0.9	PASS
40	Normal Voltage	-0.4	
30	Normal Voltage	-1.4	
20(Ref.)	Normal Voltage	0	
10	Normal Voltage	-1.6	
0	Normal Voltage	0.5	
-10	Normal Voltage	-0.7	
-20	Normal Voltage	1.7	
-30	Normal Voltage	0.6	
20	Maximum Voltage	-1.3	
20	Normal Voltage	0	
20	Battery End Point	-1.9	

 $|\text{MAX}(\Delta f)| = 1.9 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	704.167989	$\geq 704 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	715.835011	$\leq 716 \text{ MHz}$	