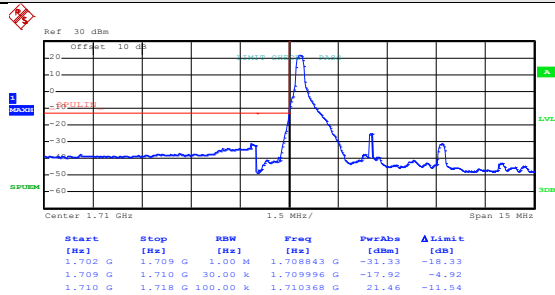


5MHz:

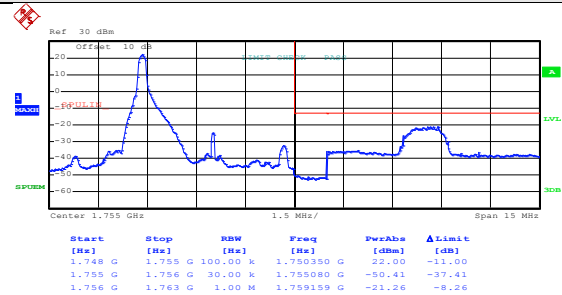
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:12:11

Lowest channel

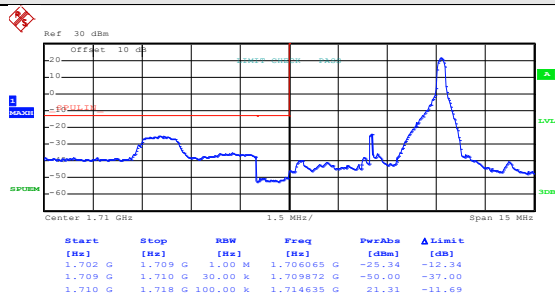


Date: 13.SEP.2016 03:14:02

Highest channel

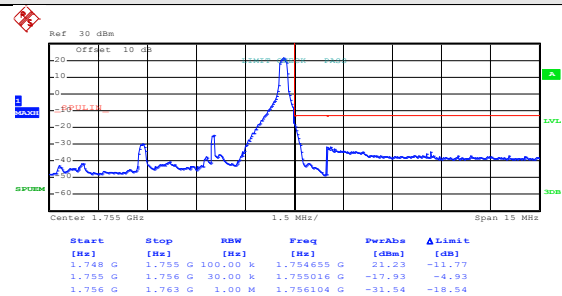
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 24)



Date: 13.SEP.2016 03:12:27

Lowest channel

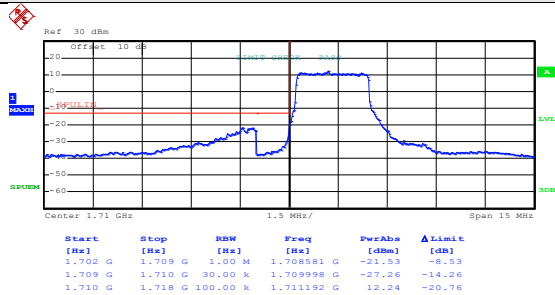


Date: 13.SEP.2016 03:14:17

Highest channel

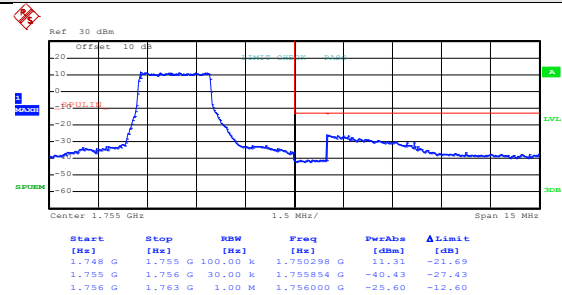
Test Mode:

LTE band 4(QPSK RB Size 12 & RB Offset 0)



Date: 13.SEP.2016 03:12:49

Lowest channel

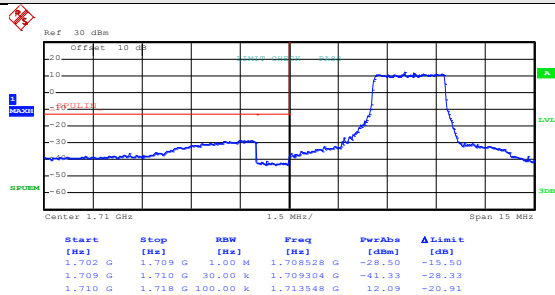


Date: 13.SEP.2016 03:14:36

Highest channel

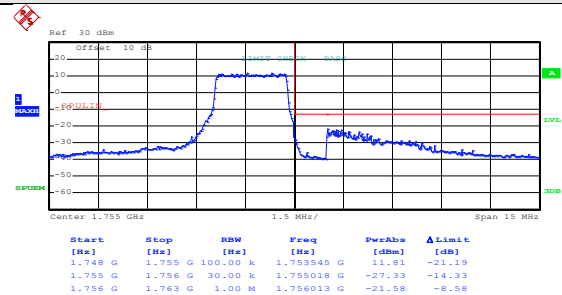
Test Mode:

LTE band 4(QPSK RB Size 12 & RB Offset 11)



Date: 13.SEP.2016 03:13:10

Lowest channel

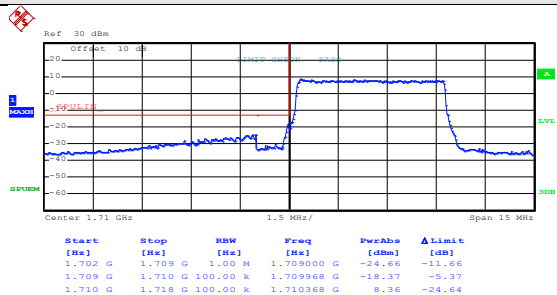


Date: 13.SEP.2016 03:14:52

Highest channel

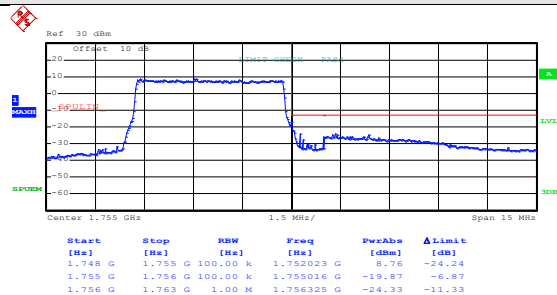
Test Mode:

LTE band 4(QPSK RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:13:33

Lowest channel

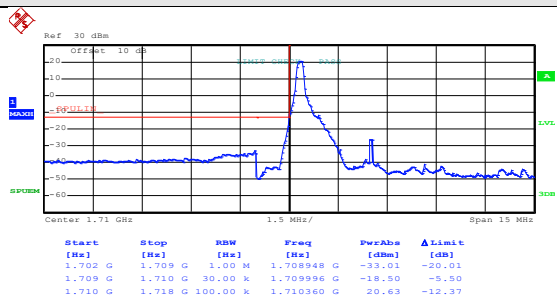


Date: 13.SEP.2016 03:15:16

Highest channel

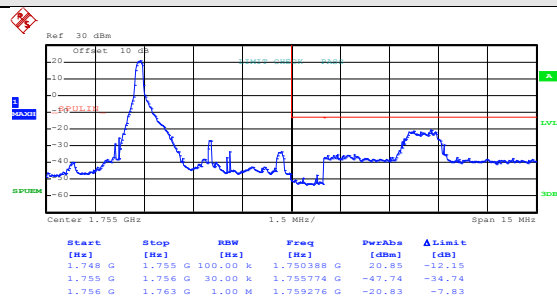
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:12:17

Lowest channel

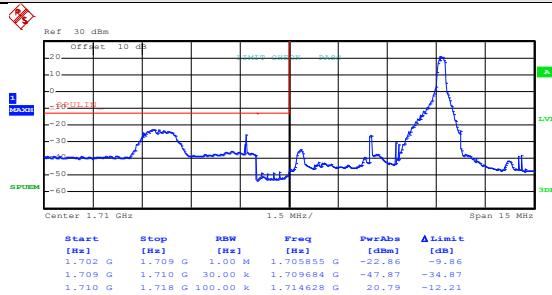


Date: 13.SEP.2016 03:14:08

Highest channel

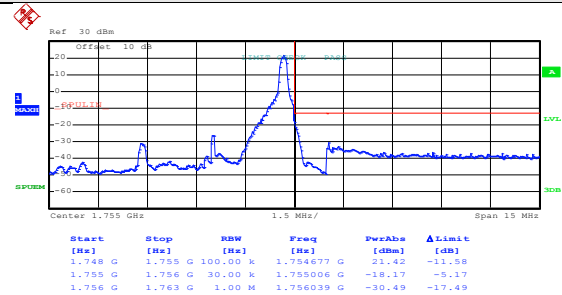
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 24)



Date: 13.SEP.2016 03:12:36

Lowest channel

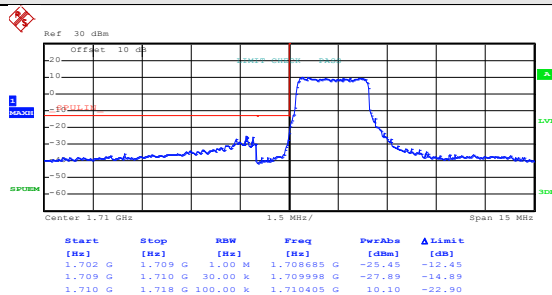


Date: 13.SEP.2016 03:14:24

Highest channel

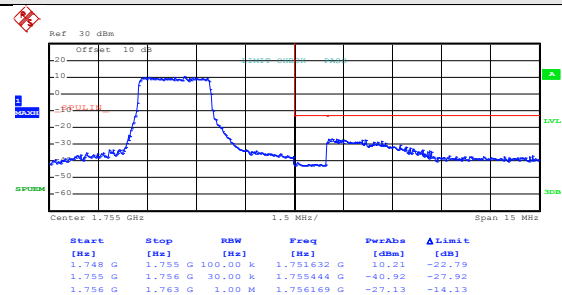
Test Mode:

LTE band 4(16QAM RB Size 12 & RB Offset 0)



Date: 13.SEP.2016 03:12:55

Lowest channel

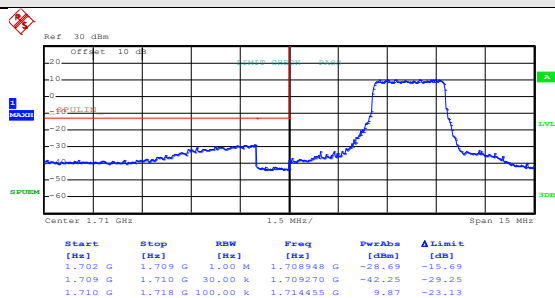


Date: 13.SEP.2016 03:14:43

Highest channel

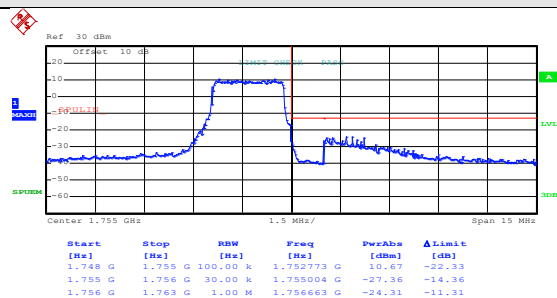
Test Mode:

LTE band 4(16QAM RB Size 12 & RB Offset 11)



Date: 13.SEP.2016 03:13:17

Lowest channel

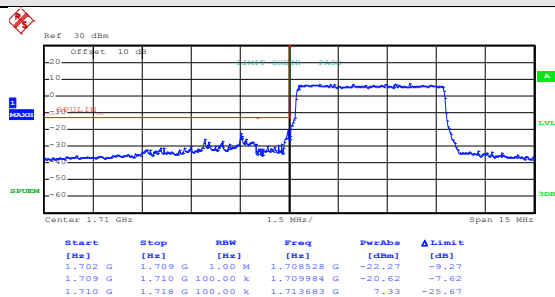


Date: 13.SEP.2016 03:15:01

Highest channel

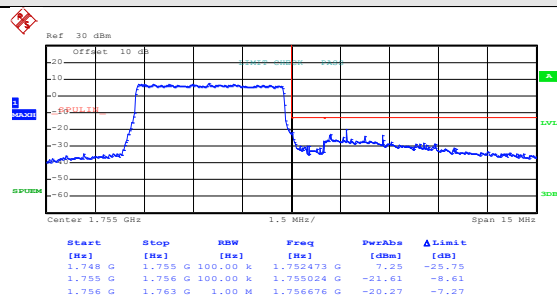
Test Mode:

LTE band 4(16QAM RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:13:38

Lowest channel



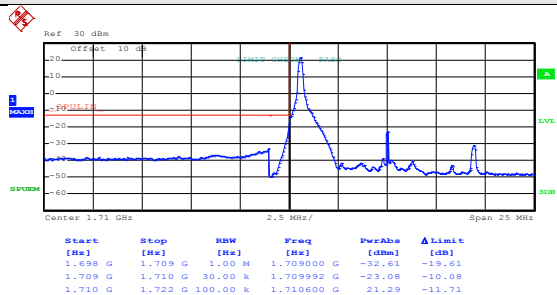
Date: 13.SEP.2016 03:15:21

Highest channel

10MHz:

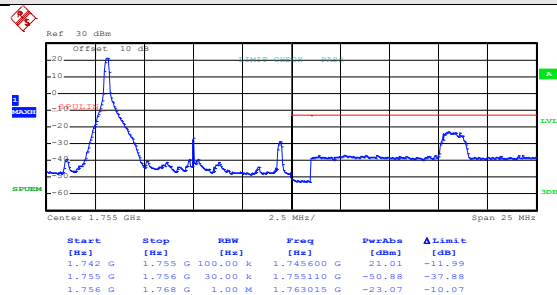
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:16:11

Lowest channel

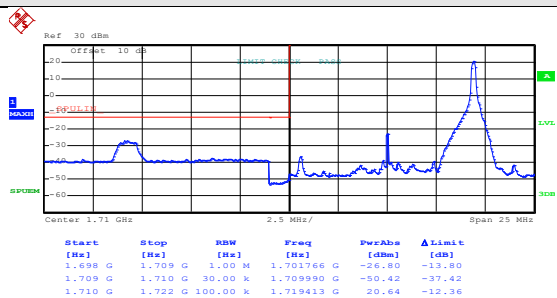


Date: 13.SEP.2016 03:18:00

Highest channel

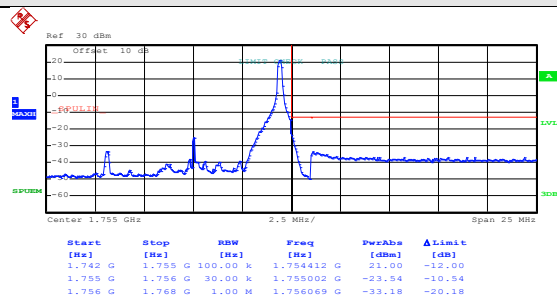
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 49)



Date: 13.SEP.2016 03:16:27

Lowest channel

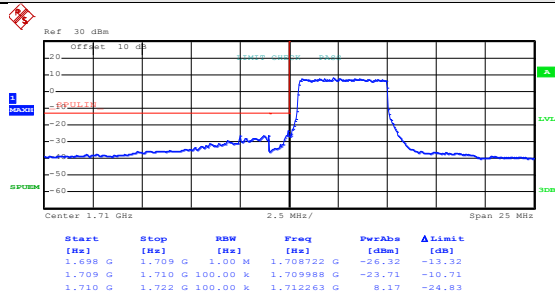


Date: 13.SEP.2016 03:18:16

Highest channel

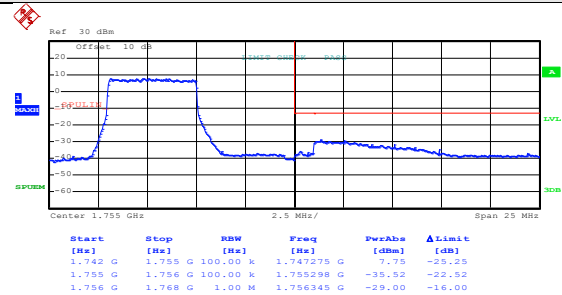
Test Mode:

LTE band 4(QPSK RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:16:50

Lowest channel

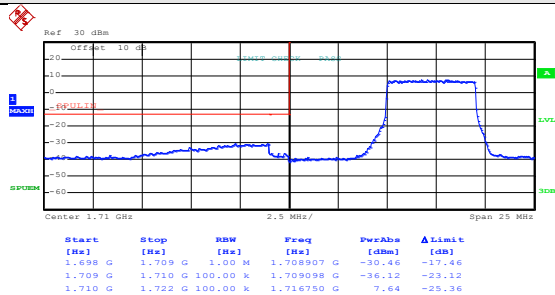


Date: 13.SEP.2016 03:18:36

Highest channel

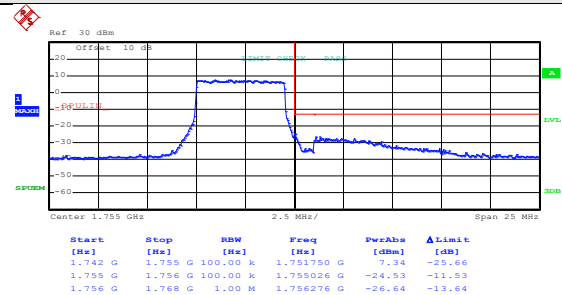
Test Mode:

LTE band 4(QPSK RB Size 25 & RB Offset 24)



Date: 13.SEP.2016 03:17:07

Lowest channel

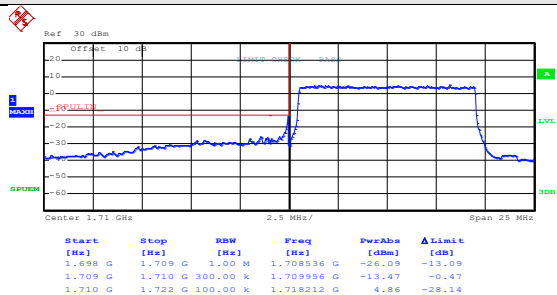


Date: 13.SEP.2016 03:18:51

Highest channel

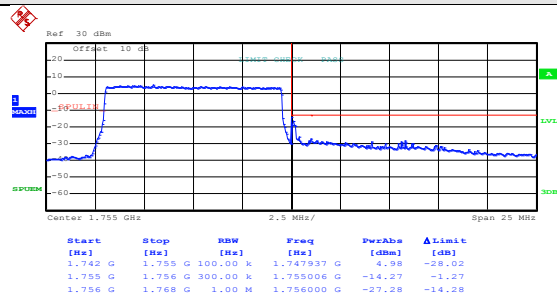
Test Mode:

LTE band 4(QPSK RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:17:26

Lowest channel

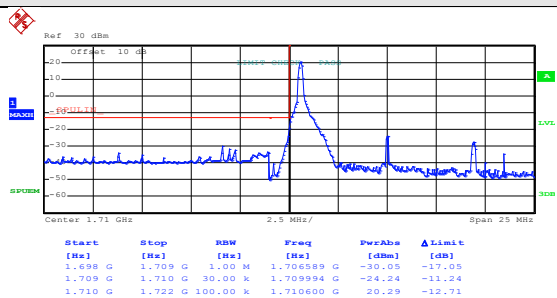


Date: 13.SEP.2016 03:19:16

Highest channel

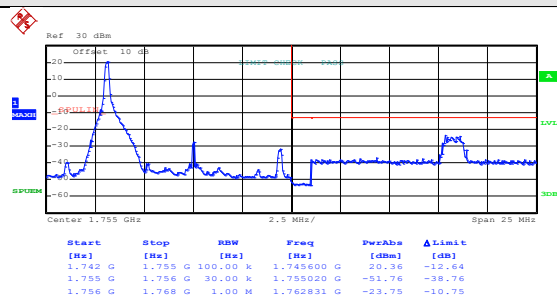
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:16:17

Lowest channel

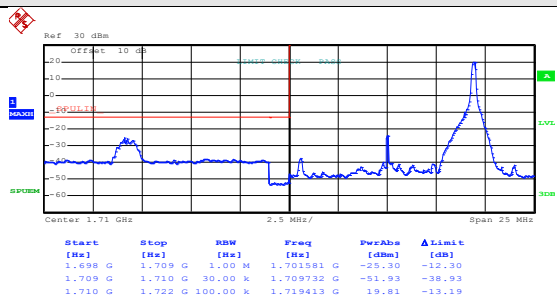


Date: 13.SEP.2016 03:18:07

Highest channel

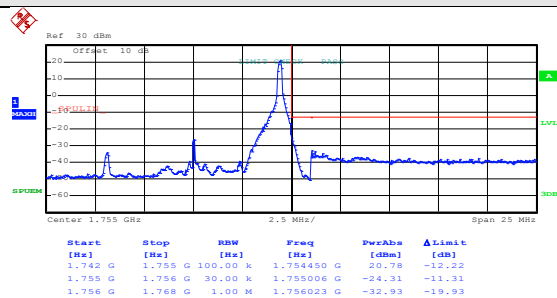
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 49)



Date: 13.SEP.2016 03:16:36

Lowest channel

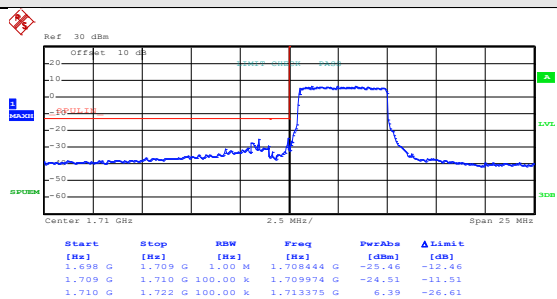


Date: 13.SEP.2016 03:18:22

Highest channel

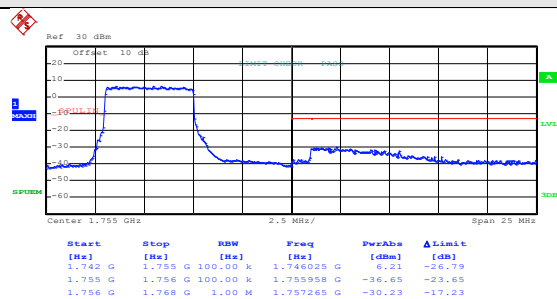
Test Mode:

LTE band 4(16QAM RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:16:57

Lowest channel

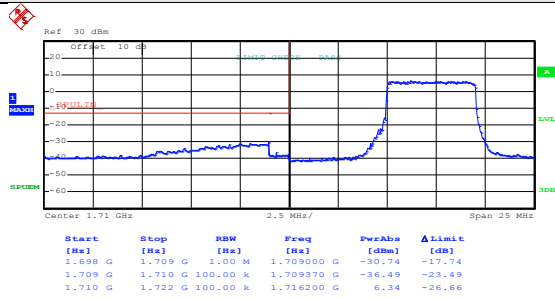


Date: 13.SEP.2016 03:18:42

Highest channel

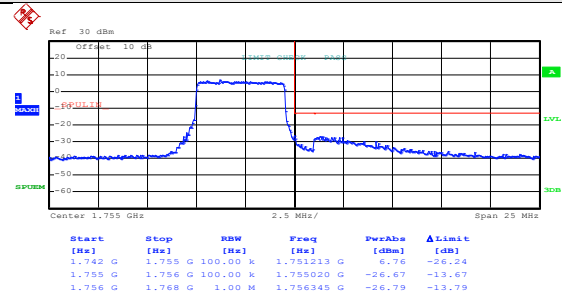
Test Mode:

LTE band 4(16QAM RB Size 25 & RB Offset 24)



Date: 13.SEP.2016 03:17:14

Lowest channel

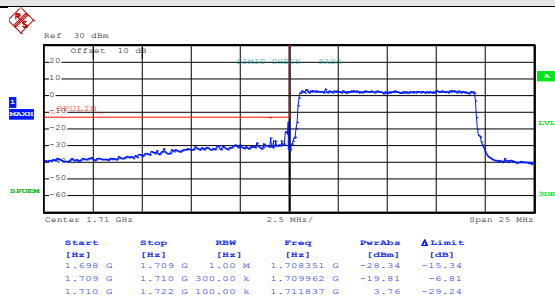


Date: 13.SEP.2016 03:18:58

Highest channel

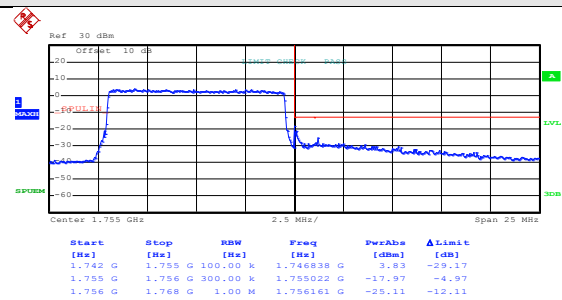
Test Mode:

LTE band 4(16QAM RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:17:32

Lowest channel



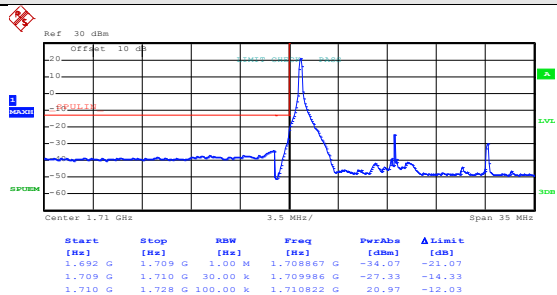
Date: 13.SEP.2016 03:19:22

Highest channel

15MHz:

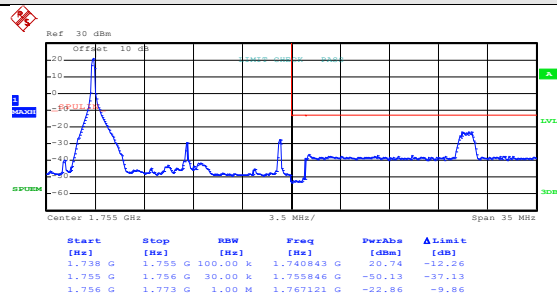
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:20:01

Lowest channel

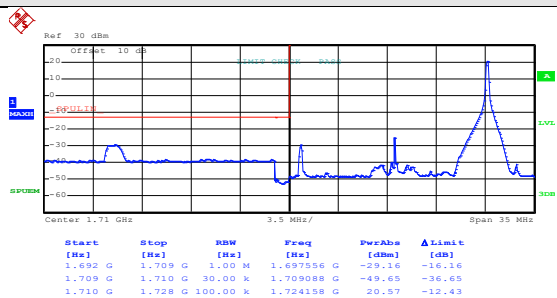


Date: 13.SEP.2016 03:21:58

Highest channel

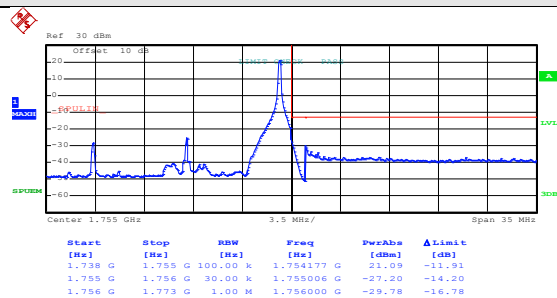
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 74)



Date: 13.SEP.2016 03:20:20

Lowest channel

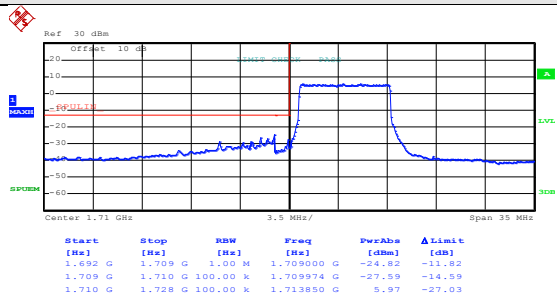


Date: 13.SEP.2016 03:22:17

Highest channel

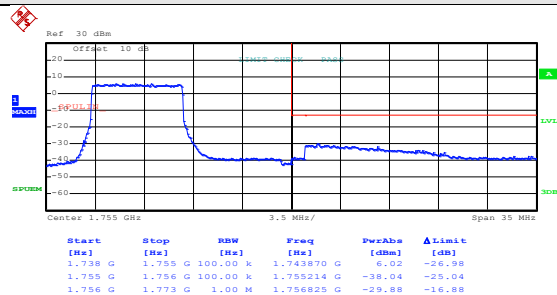
Test Mode:

LTE band 4(QPSK RB Size 36 & RB Offset 0)



Date: 13.SEP.2016 03:20:43

Lowest channel

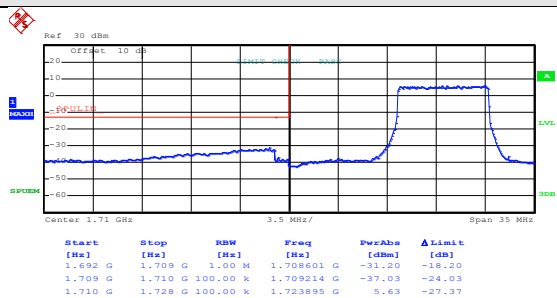


Date: 13.SEP.2016 03:22:40

Highest channel

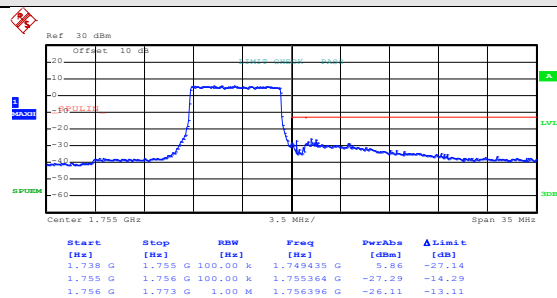
Test Mode:

LTE band 4(QPSK RB Size 36 & RB Offset 37)



Date: 13.SEP.2016 03:21:04

Lowest channel

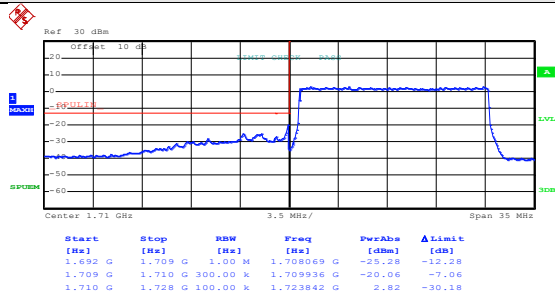


Date: 13.SEP.2016 03:22:59

Highest channel

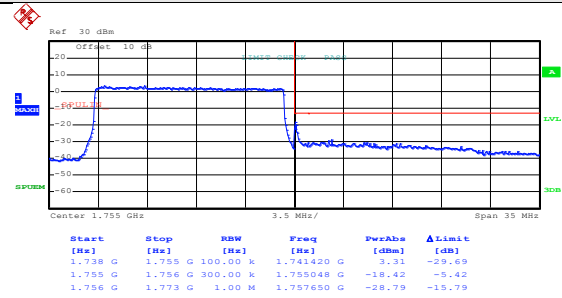
Test Mode:

LTE band 4(QPSK RB Size 75 & RB Offset 0)



Date: 13.SEP.2016 03:21:22

Lowest channel

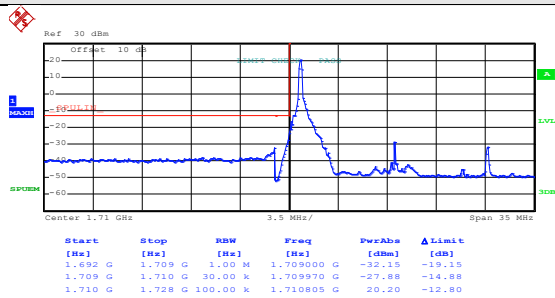


Date: 13.SEP.2016 03:23:21

Highest channel

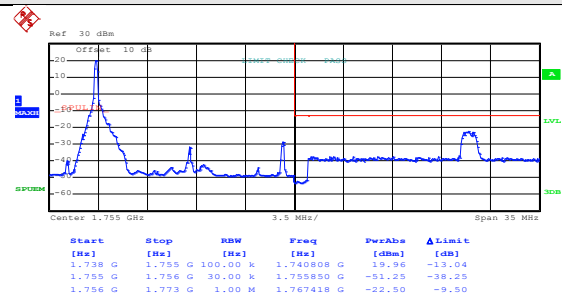
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:20:07

Lowest channel

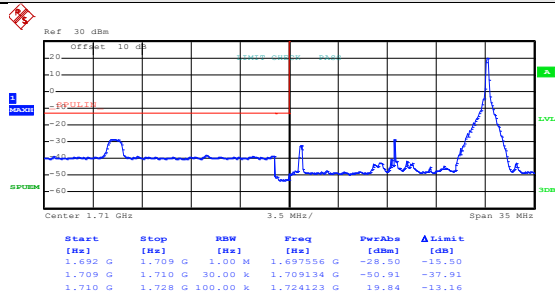


Date: 13.SEP.2016 03:22:05

Highest channel

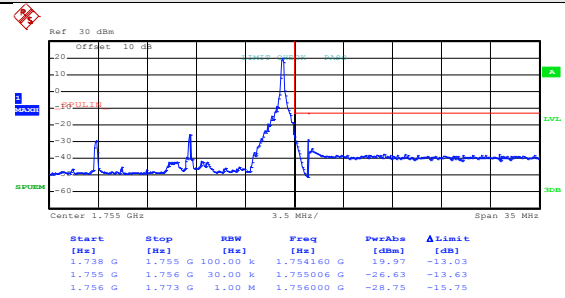
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 74)



Date: 13.SEP.2016 03:20:27

Lowest channel

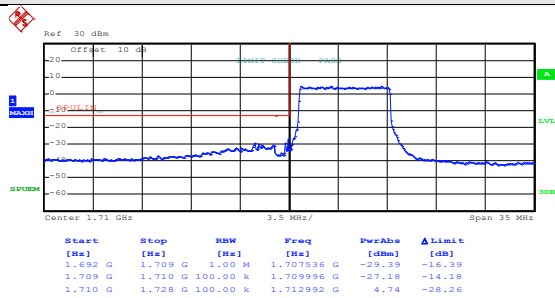


Date: 13.SEP.2016 03:22:23

Highest channel

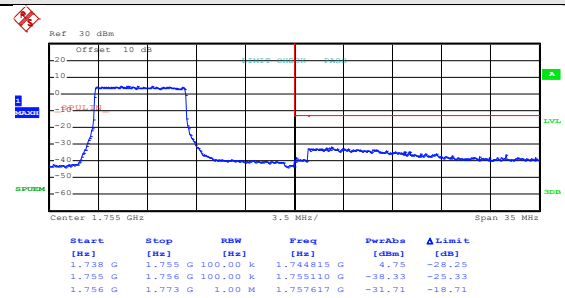
Test Mode:

LTE band 4(16QAM RB Size 36 & RB Offset 0)



Date: 13.SEP.2016 03:20:49

Lowest channel

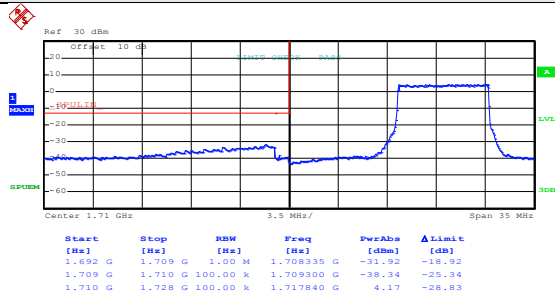


Date: 13.SEP.2016 03:22:49

Highest channel

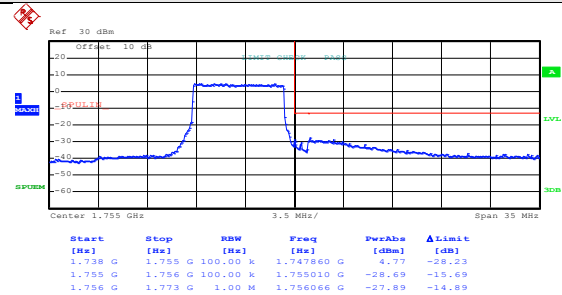
Test Mode:

LTE band 4(16QAM RB Size 36 & RB Offset 37)



Date: 13.SEP.2016 03:21:10

Lowest channel

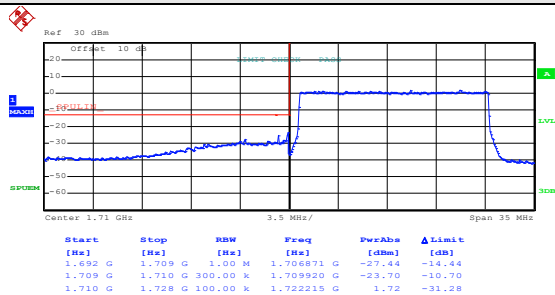


Date: 13.SEP.2016 03:23:07

Highest channel

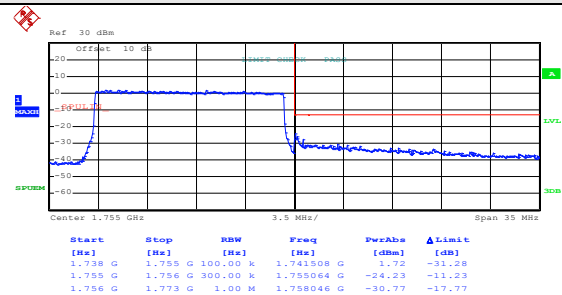
Test Mode:

LTE band 4(16QAM RB Size 75 & RB Offset 0)



Date: 13.SEP.2016 03:21:27

Lowest channel



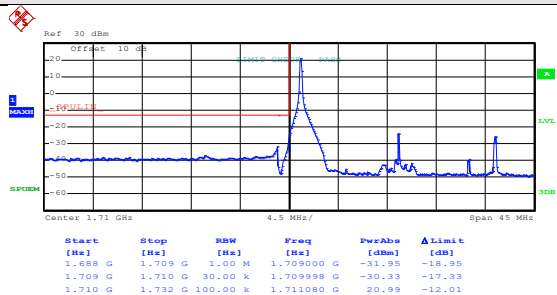
Date: 13.SEP.2016 03:23:27

Highest channel

20MHz:

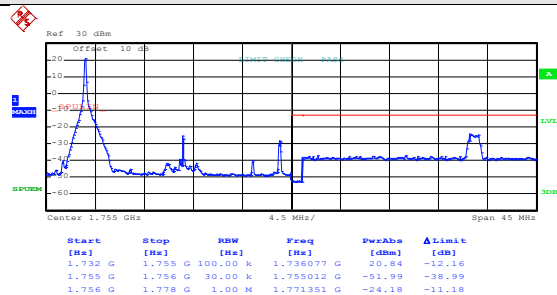
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:24:15

Lowest channel

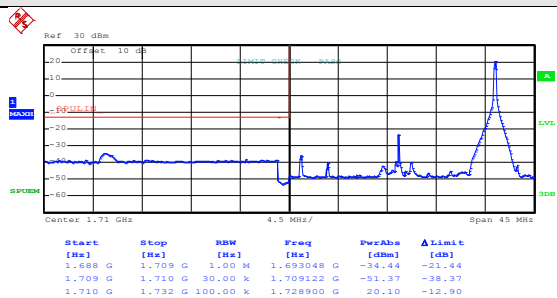


Date: 13.SEP.2016 03:25:58

Highest channel

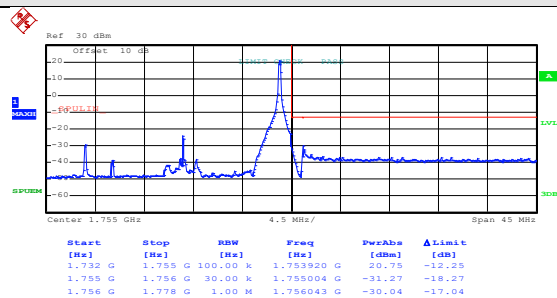
Test Mode:

LTE band 4(QPSK RB Size 1 & RB Offset 99)



Date: 13.SEP.2016 03:24:31

Lowest channel

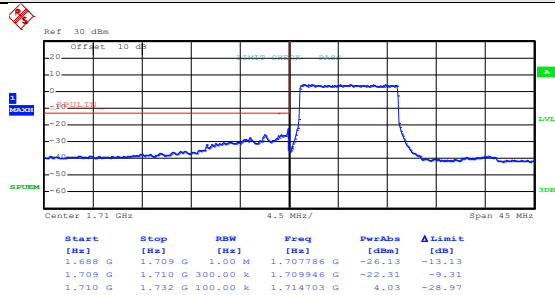


Date: 13.SEP.2016 03:26:15

Highest channel

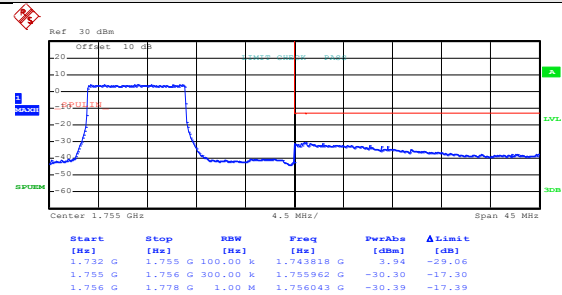
Test Mode:

LTE band 4(QPSK RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:24:54

Lowest channel

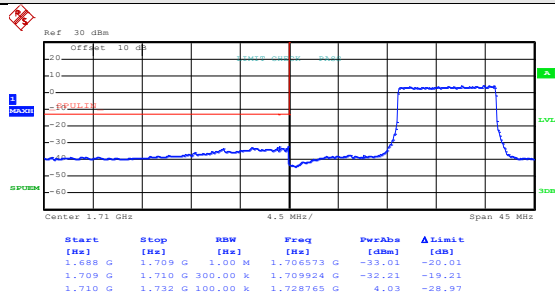


Date: 13.SEP.2016 03:26:49

Highest channel

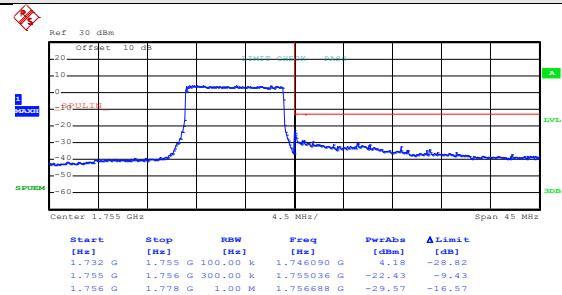
Test Mode:

LTE band 4(QPSK RB Size 50 & RB Offset 49)



Date: 13.SEP.2016 03:25:10

Lowest channel

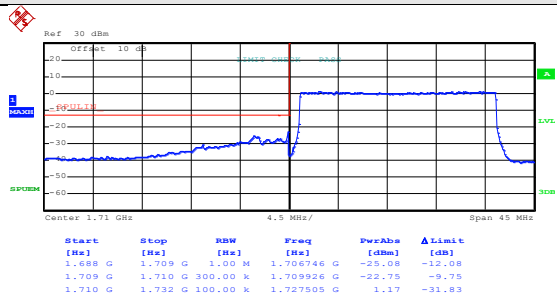


Date: 13.SEP.2016 03:27:06

Highest channel

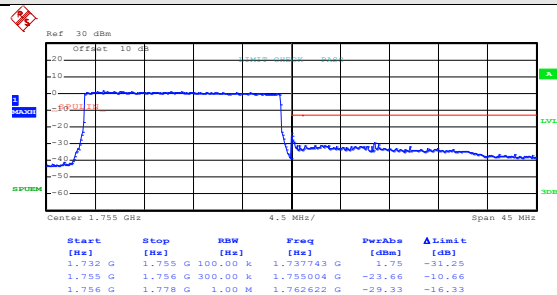
Test Mode:

LTE band 4(QPSK RB Size 100 & RB Offset 0)



Date: 13.SEP.2016 03:25:28

Lowest channel

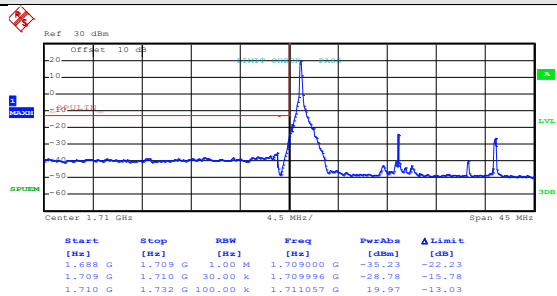


Date: 13.SEP.2016 03:27:23

Highest channel

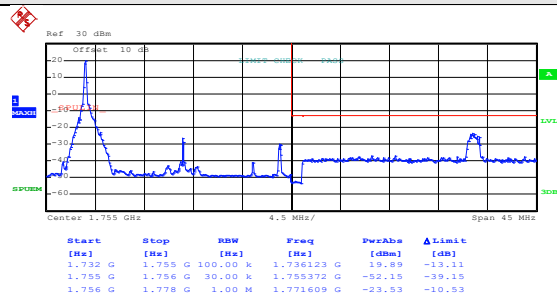
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:24:22

Lowest channel

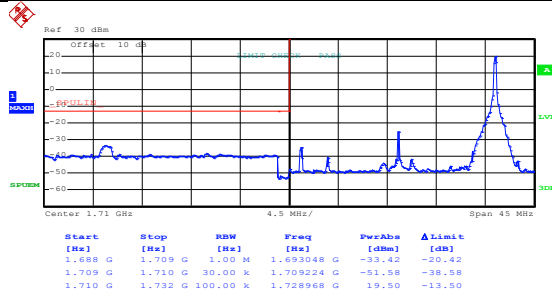


Date: 13.SEP.2016 03:26:04

Highest channel

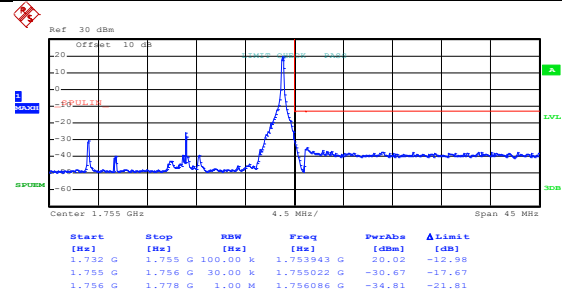
Test Mode:

LTE band 4(16QAM RB Size 1 & RB Offset 99)



Date: 13.SEP.2016 03:24:37

Lowest channel

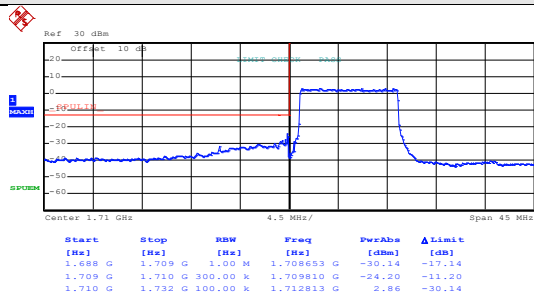


Date: 13.SEP.2016 03:26:22

Highest channel

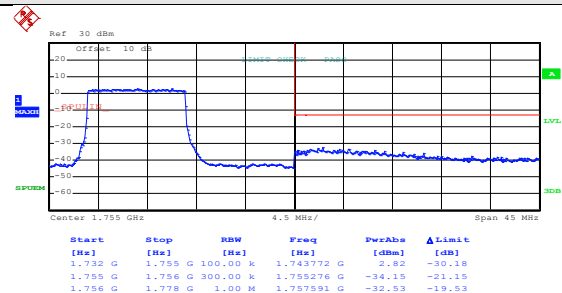
Test Mode:

LTE band 4(16QAM RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:25:00

Lowest channel

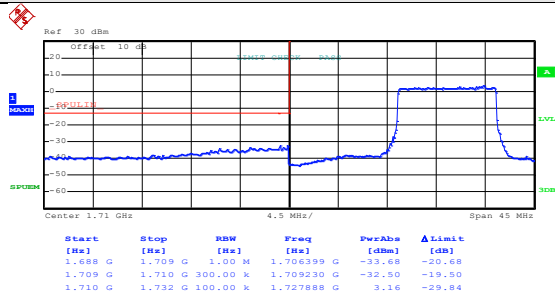


Date: 13.SEP.2016 03:26:56

Highest channel

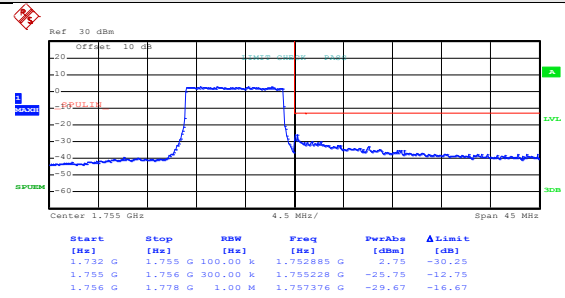
Test Mode:

LTE band 4(16QAM RB Size 50 & RB Offset 49)



Date: 13.SEP.2016 03:25:18

Lowest channel

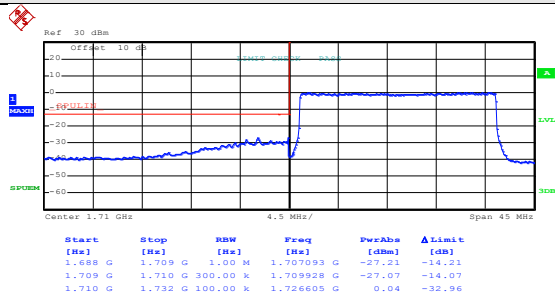


Date: 13.SEP.2016 03:27:13

Highest channel

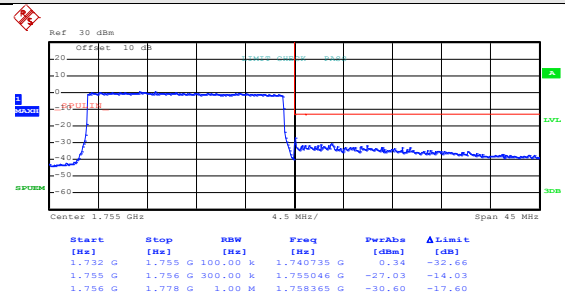
Test Mode:

LTE band 4(16QAM RB Size 100 & RB Offset 0)



Date: 13.SEP.2016 03:25:34

Lowest channel



Date: 13.SEP.2016 03:27:30

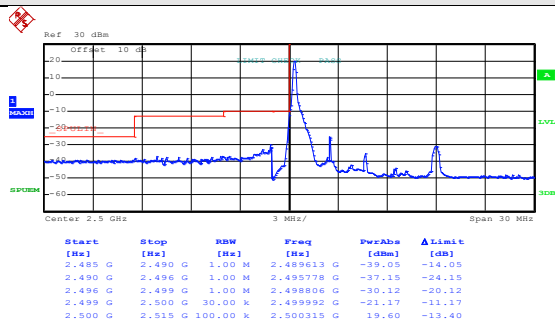
Highest channel

LTE band 7 part:

5MHz:

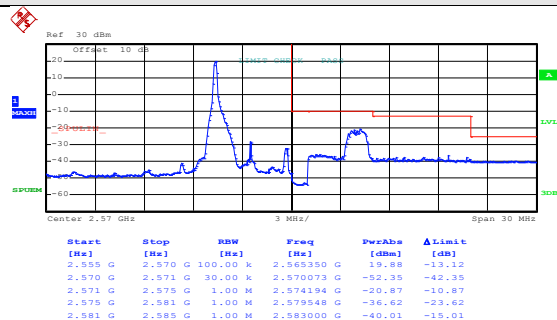
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:45:27

Lowest channel

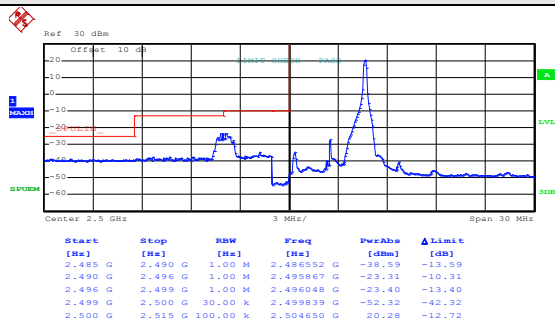


Date: 13.SEP.2016 03:50:37

Highest channel

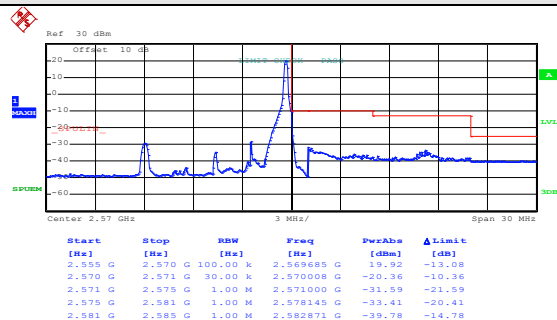
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 24)



Date: 13.SEP.2016 03:45:46

Lowest channel

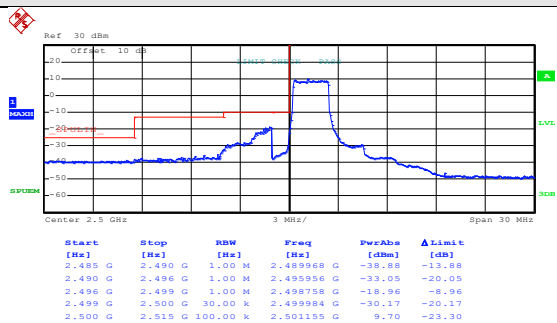


Date: 13.SEP.2016 03:50:56

Highest channel

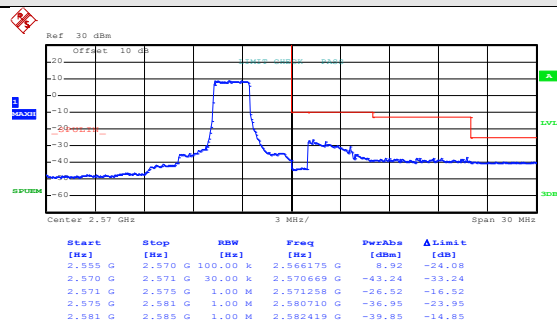
Test Mode:

LTE band 7(QPSK RB Size 12 & RB Offset 0)



Date: 13.SEP.2016 03:46:03

Lowest channel

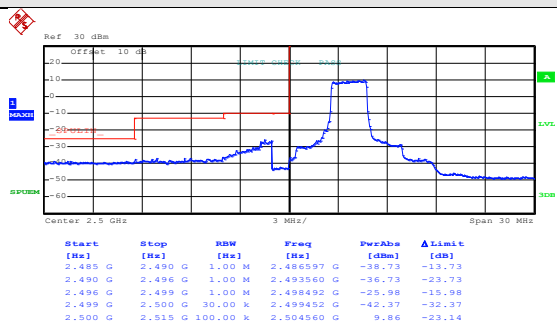


Date: 13.SEP.2016 03:51:15

Highest channel

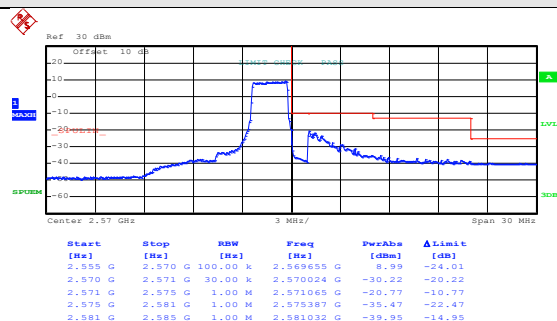
Test Mode:

LTE band 7(QPSK RB Size 12 & RB Offset 11)



Date: 13.SEP.2016 03:46:21

Lowest channel

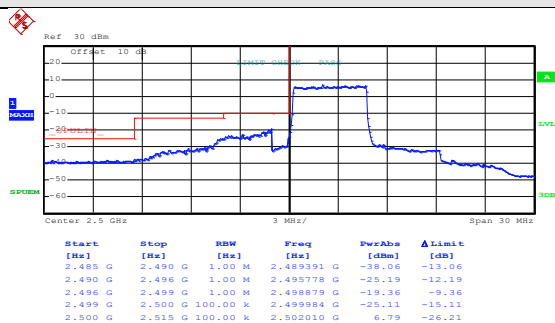


Date: 13.SEP.2016 03:51:35

Highest channel

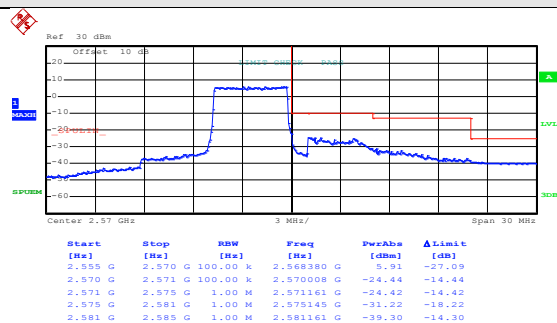
Test Mode:

LTE band 7(QPSK RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:46:46

Lowest channel

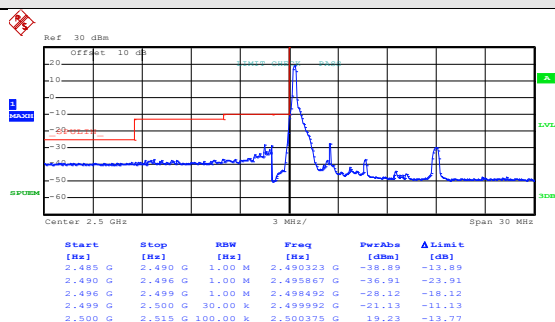


Date: 13.SEP.2016 03:52:36

Highest channel

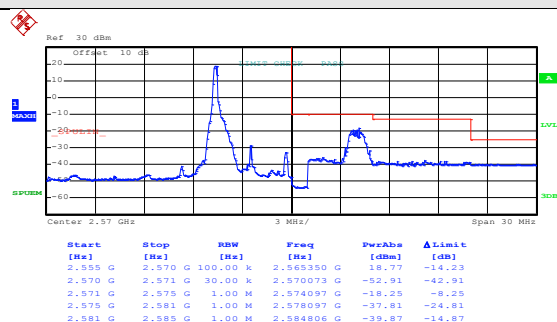
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:45:37

Lowest channel

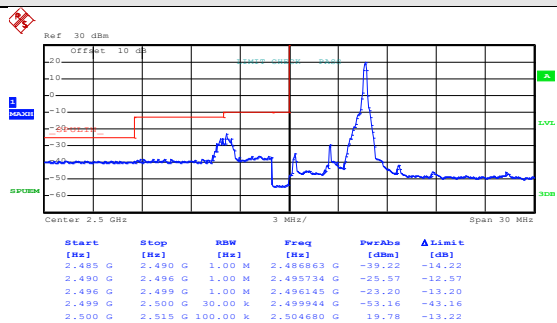


Date: 13.SEP.2016 03:50:45

Highest channel

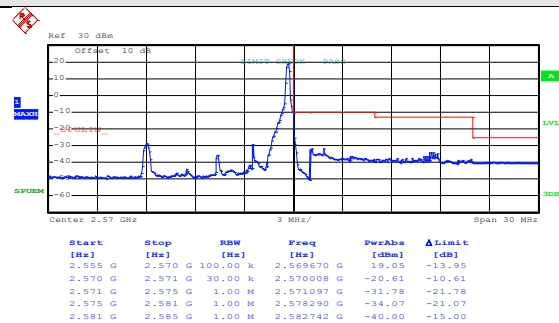
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 24)



Date: 13.SEP.2016 03:45:54

Lowest channel

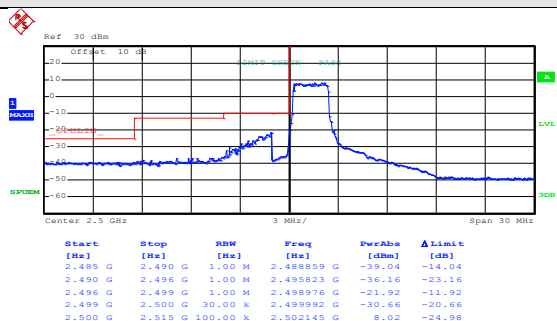


Date: 13.SEP.2016 03:51:05

Highest channel

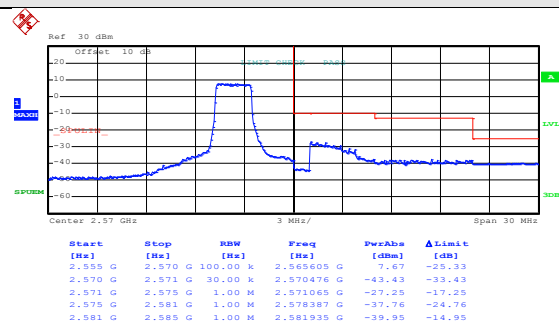
Test Mode:

LTE band 7(16QAM RB Size 12 & RB Offset 0)



Date: 13.SEP.2016 03:46:09

Lowest channel

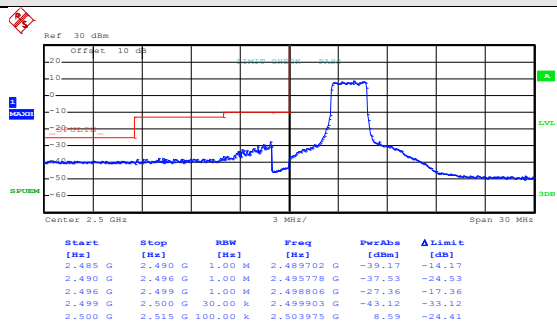


Date: 13.SEP.2016 03:51:24

Highest channel

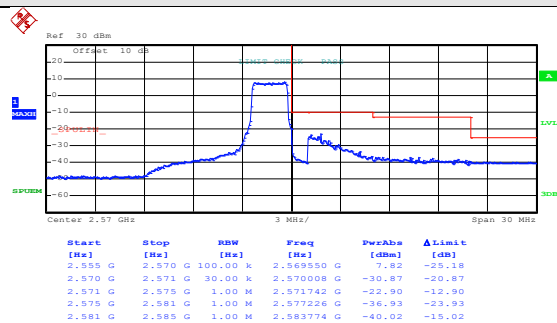
Test Mode:

LTE band 7(16QAM RB Size 12 & RB Offset 11)



Date: 13.SEP.2016 03:46:29

Lowest channel

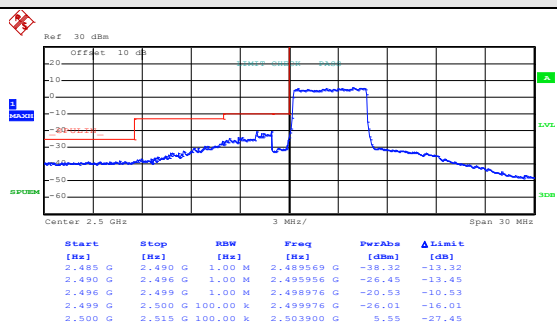


Date: 13.SEP.2016 03:51:43

Highest channel

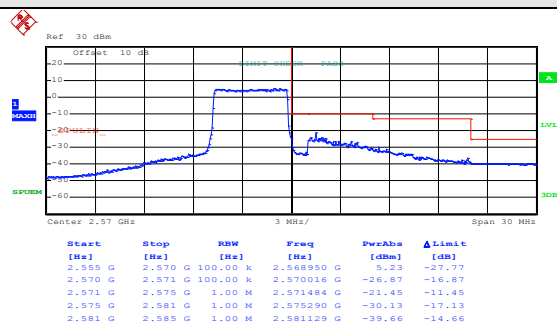
Test Mode:

LTE band 7(16QAM RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:46:54

Lowest channel



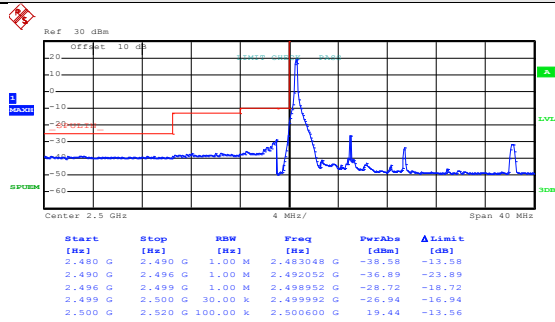
Date: 13.SEP.2016 03:52:29

Highest channel

10MHz:

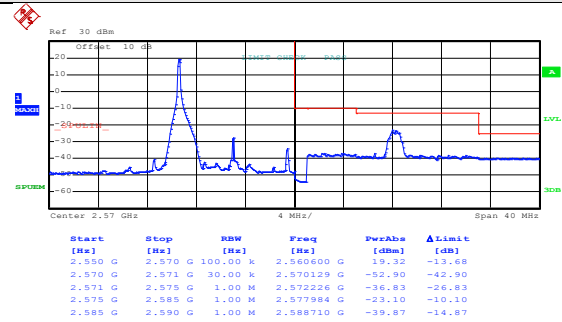
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:53:23

Lowest channel

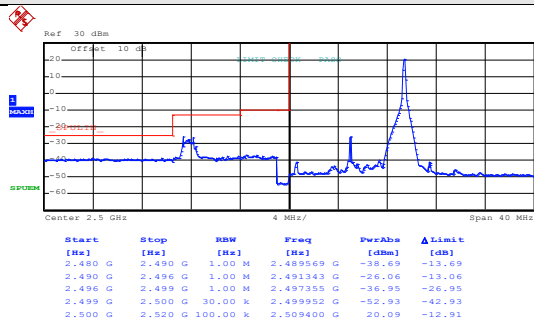


Date: 13.SEP.2016 03:55:39

Highest channel

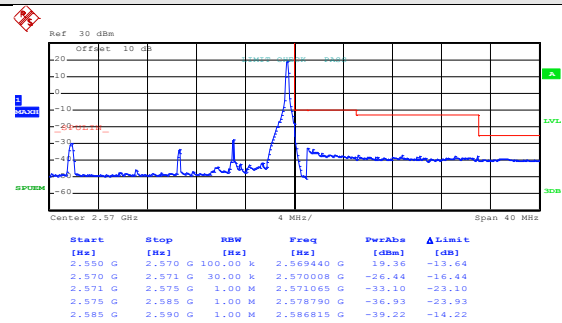
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 49)



Date: 13.SEP.2016 03:53:29

Lowest channel

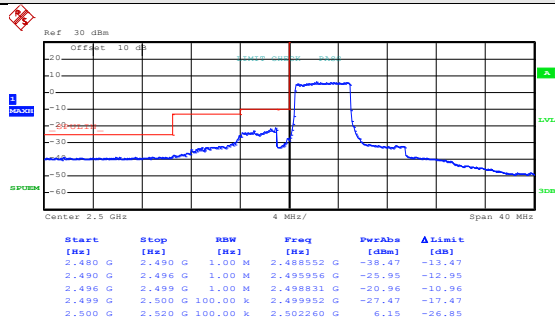


Date: 13.SEP.2016 03:55:56

Highest channel

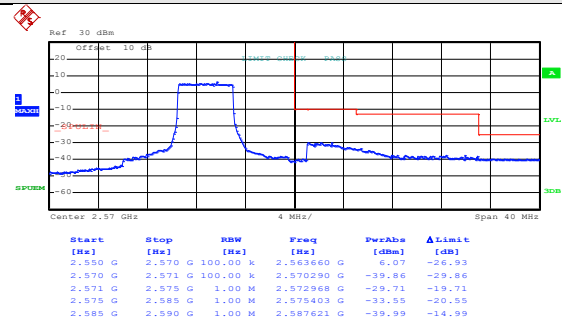
Test Mode:

LTE band 7(QPSK RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:54:18

Lowest channel

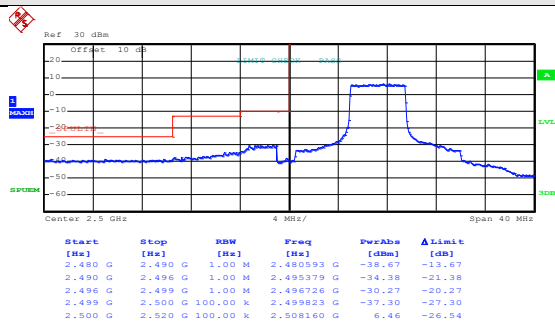


Date: 13.SEP.2016 03:56:19

Highest channel

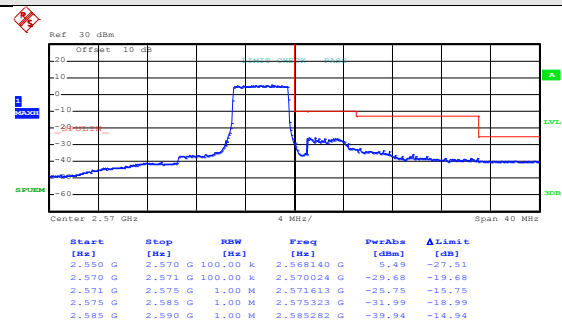
Test Mode:

LTE band 7(QPSK RB Size 25 & RB Offset 24)



Date: 13.SEP.2016 03:54:37

Lowest channel

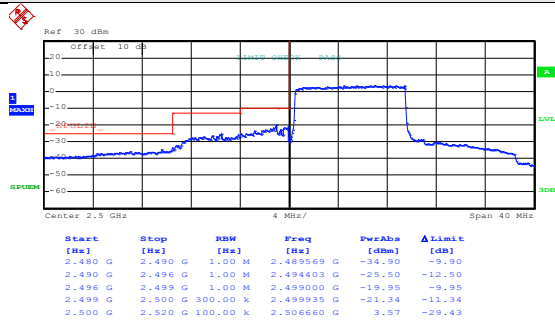


Date: 13.SEP.2016 03:56:37

Highest channel

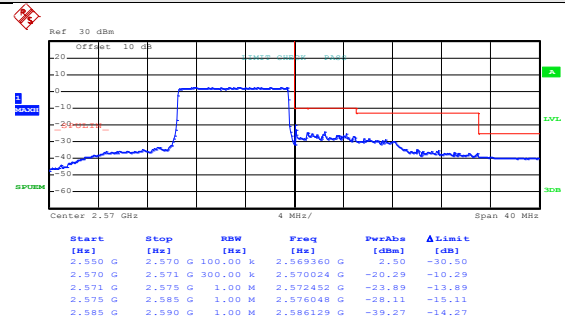
Test Mode:

LTE band 7(QPSK RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:54:58

Lowest channel

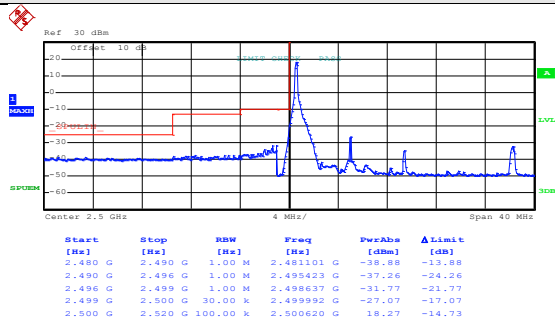


Date: 13.SEP.2016 03:57:00

Highest channel

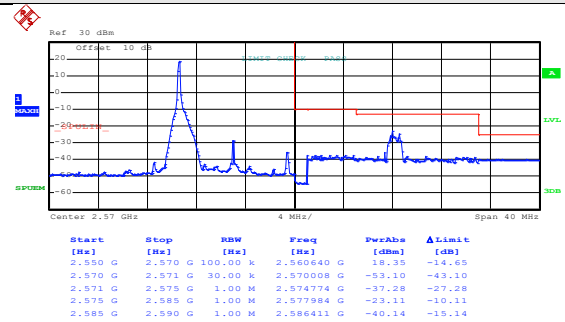
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:53:29

Lowest channel

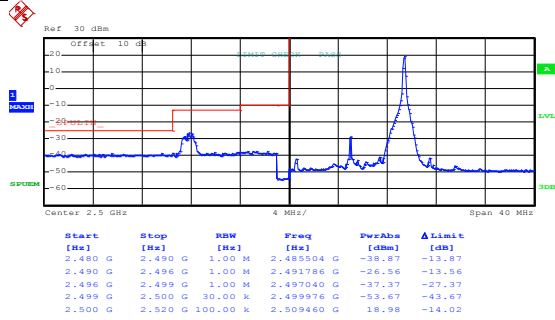


Date: 13.SEP.2016 03:55:46

Highest channel

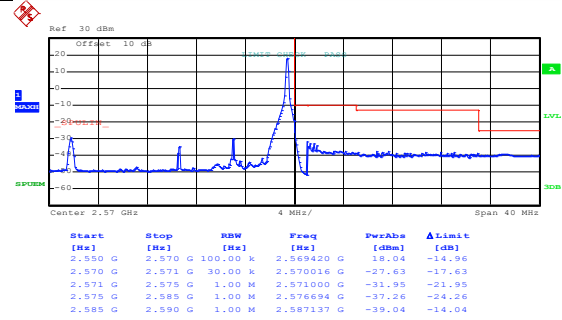
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 49)



Date: 13.SEP.2016 03:53:47

Lowest channel

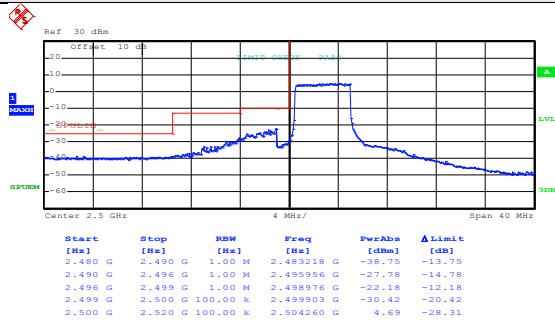


Date: 13.SEP.2016 03:56:04

Highest channel

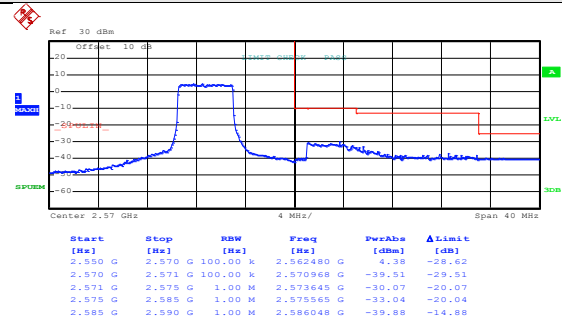
Test Mode:

LTE band 7(16QAM RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:54:25

Lowest channel

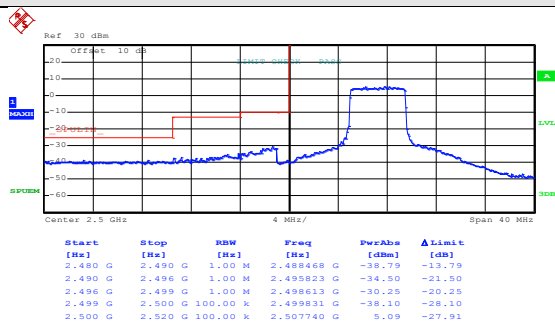


Date: 13.SEP.2016 03:56:26

Highest channel

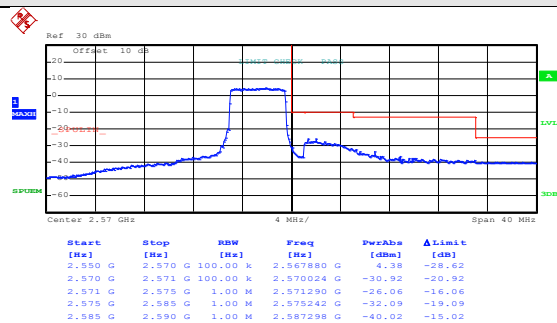
Test Mode:

LTE band 7(16QAM RB Size 25 & RB Offset 24)



Date: 13.SEP.2016 03:54:43

Lowest channel

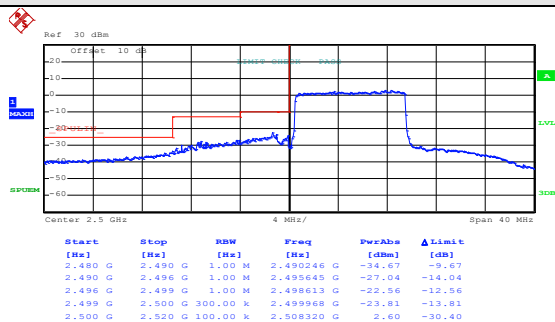


Date: 13.SEP.2016 03:56:45

Highest channel

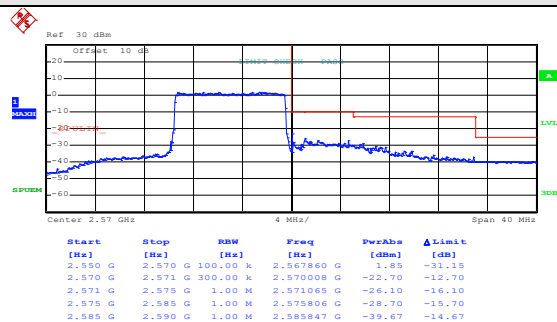
Test Mode:

LTE band 7(16QAM RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:55:04

Lowest channel



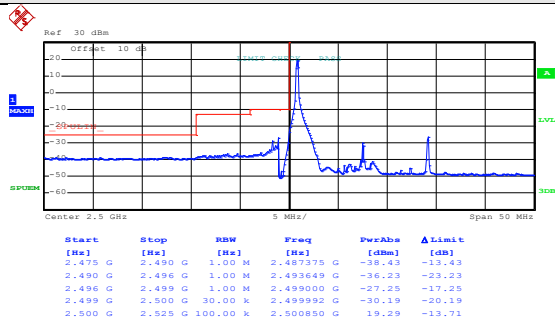
Date: 13.SEP.2016 03:57:05

Highest channel

15MHz:

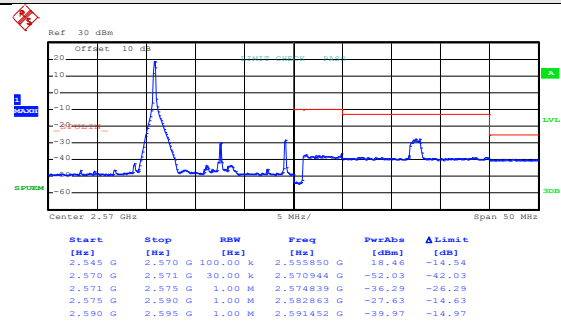
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:59:37

Lowest channel

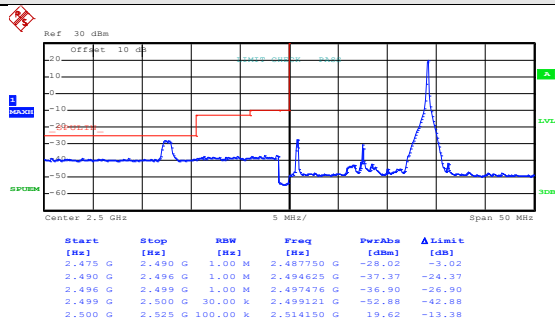


Date: 13.SEP.2016 04:06:43

Highest channel

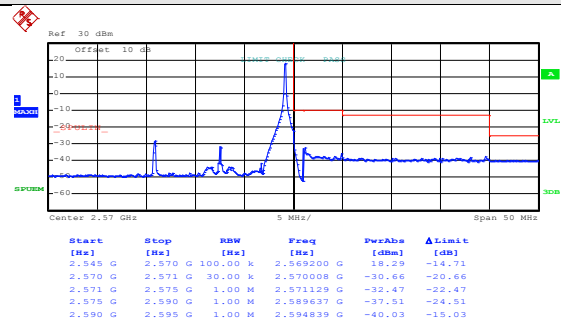
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 74)



Date: 13.SEP.2016 03:59:52

Lowest channel

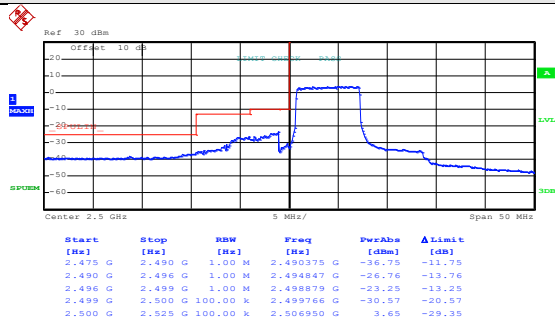


Date: 13.SEP.2016 04:07:09

Highest channel

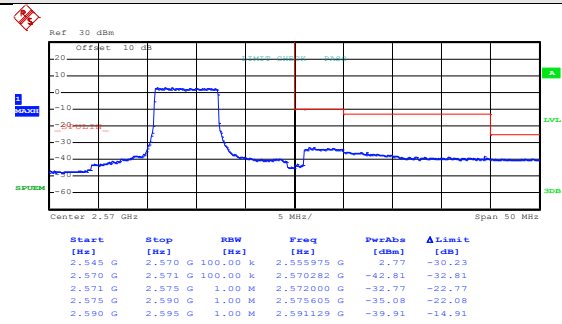
Test Mode:

LTE band 7(QPSK RB Size 36 & RB Offset 0)



Date: 13.SEP.2016 04:04:53

Lowest channel

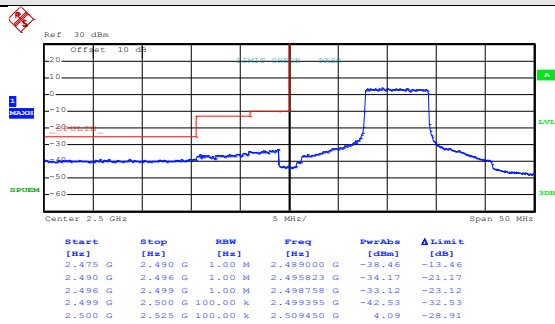


Date: 13.SEP.2016 04:08:26

Highest channel

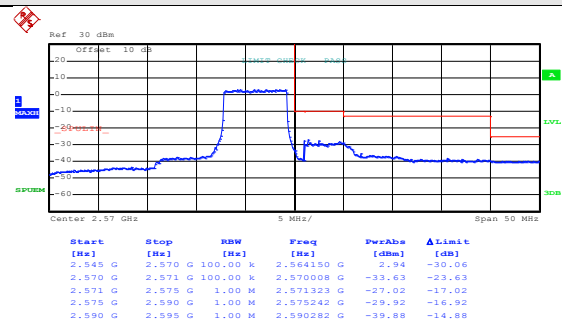
Test Mode:

LTE band 7(QPSK RB Size 36 & RB Offset 37)



Date: 13.SEP.2016 04:05:15

Lowest channel

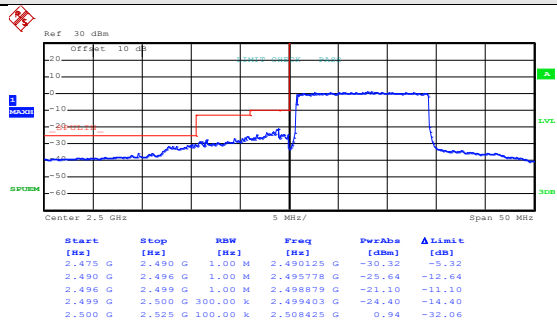


Date: 13.SEP.2016 04:08:43

Highest channel

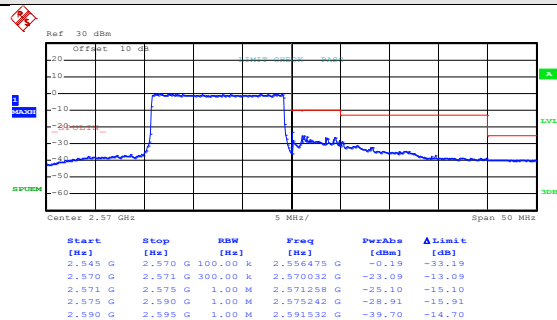
Test Mode:

LTE band 7(QPSK RB Size 75 & RB Offset 0)



Date: 13.SEP.2016 04:06:00

Lowest channel

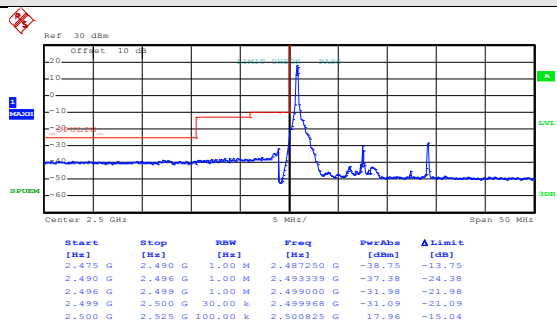


Date: 13.SEP.2016 04:09:06

Highest channel

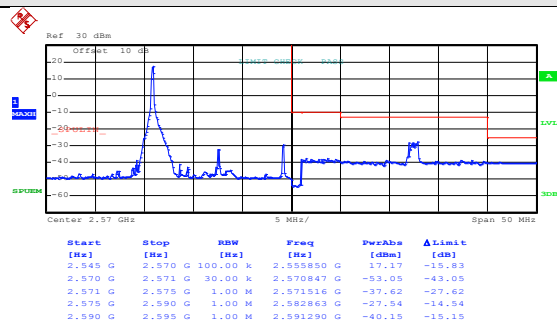
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:59:43

Lowest channel

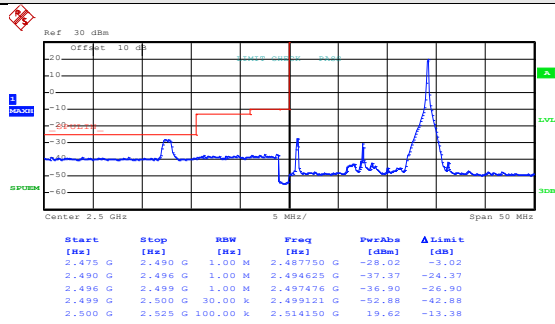


Date: 13.SEP.2016 04:07:00

Highest channel

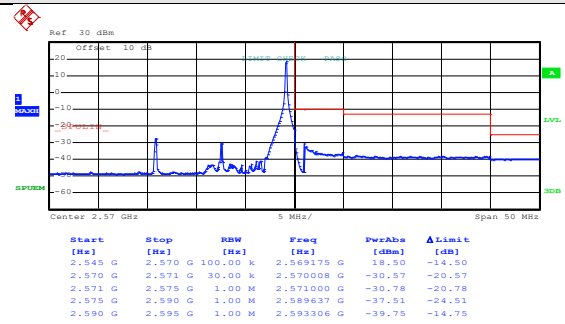
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 74)



Date: 13.SEP.2016 03:59:52

Lowest channel

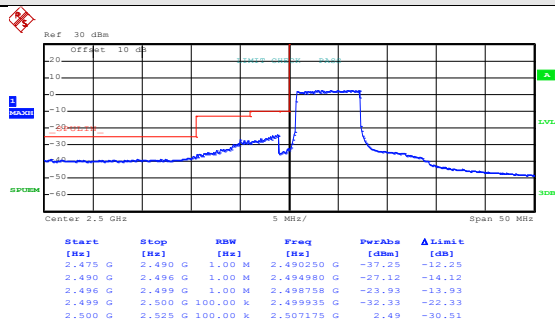


Date: 13.SEP.2016 04:08:09

Highest channel

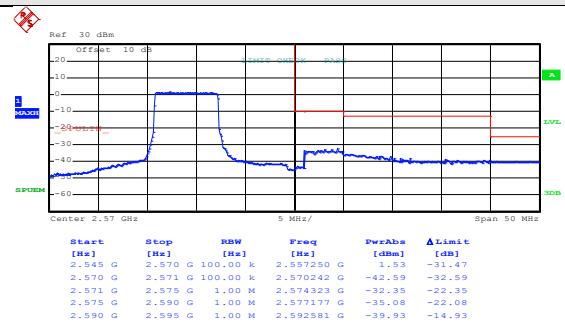
Test Mode:

LTE band 7(16QAM RB Size 36 & RB Offset 0)



Date: 13.SEP.2016 04:05:05

Lowest channel

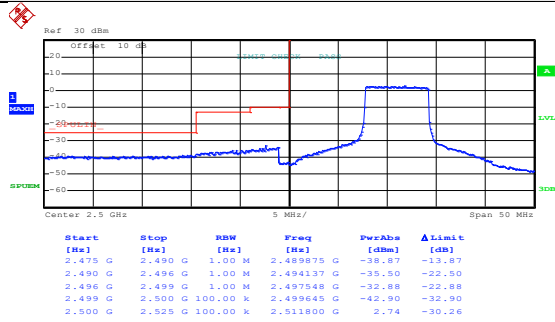


Date: 13.SEP.2016 04:08:33

Highest channel

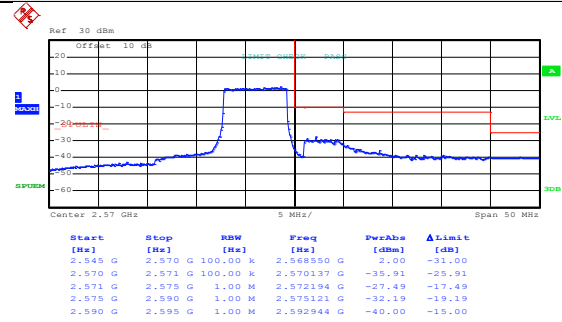
Test Mode:

LTE band 7(16QAM RB Size 36 & RB Offset 37)



Date: 13.SEP.2016 04:05:31

Lowest channel

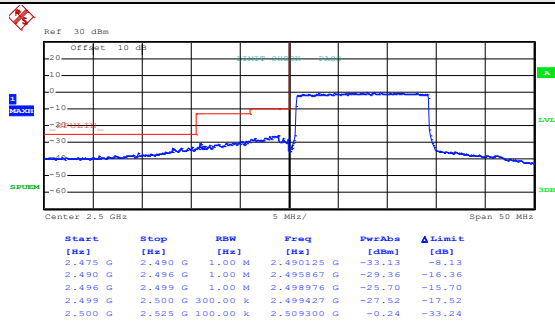


Date: 13.SEP.2016 04:08:50

Highest channel

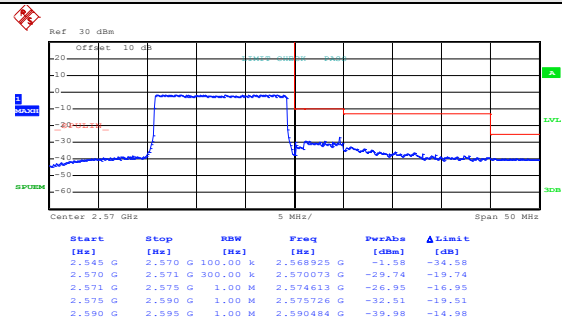
Test Mode:

LTE band 7(16QAM RB Size 75 & RB Offset 0)



Date: 13.SEP.2016 04:06:09

Lowest channel



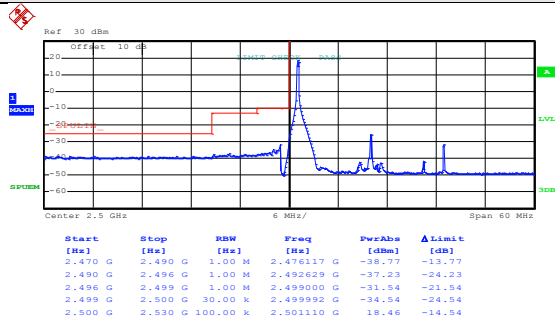
Date: 13.SEP.2016 04:09:12

Highest channel

20MHz:

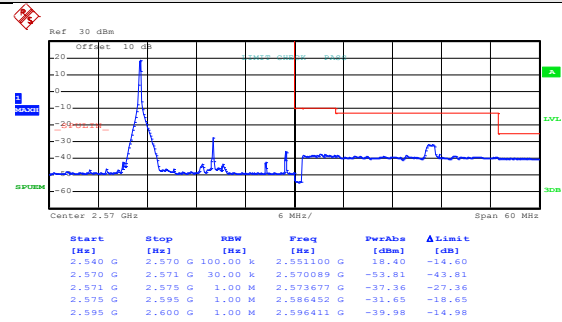
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 04:10:23

Lowest channel

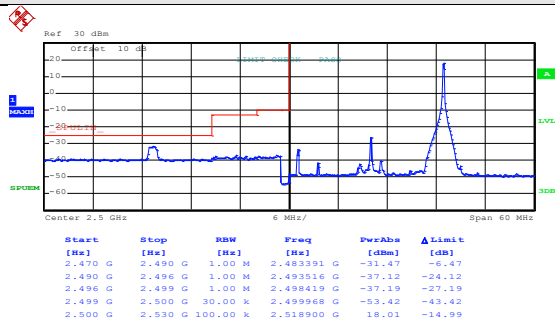


Date: 13.SEP.2016 04:12:26

Highest channel

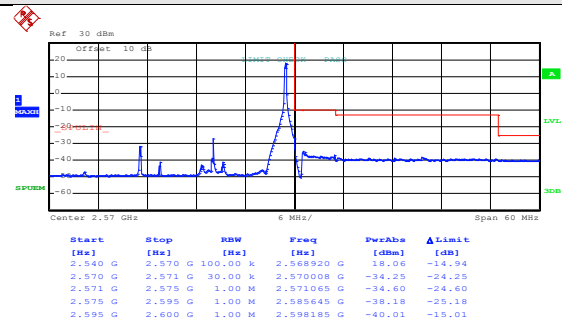
Test Mode:

LTE band 7(QPSK RB Size 1 & RB Offset 99)



Date: 13.SEP.2016 04:10:51

Lowest channel

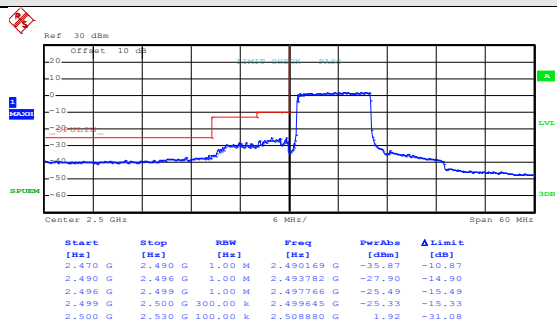


Date: 13.SEP.2016 04:12:43

Highest channel

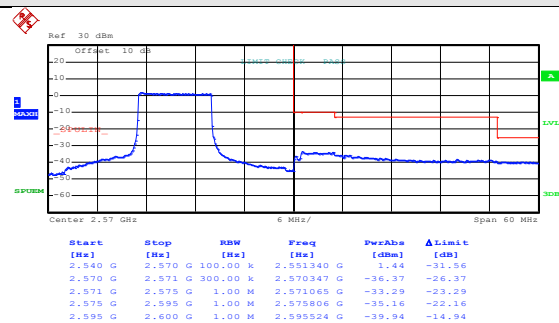
Test Mode:

LTE band 7(QPSK RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 04:11:19

Lowest channel

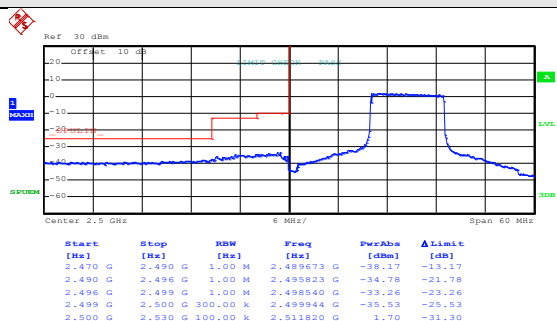


Date: 13.SEP.2016 04:13:13

Highest channel

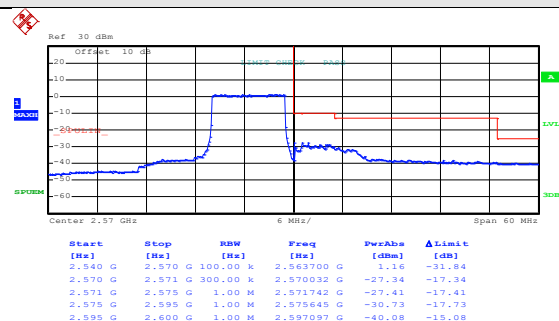
Test Mode:

LTE band 7(QPSK RB Size 50 & RB Offset 49)



Date: 13.SEP.2016 04:11:38

Lowest channel

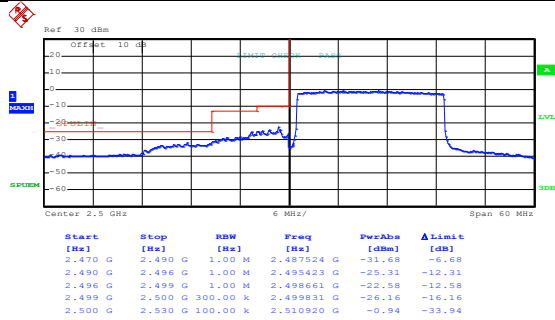


Date: 13.SEP.2016 04:13:35

Highest channel

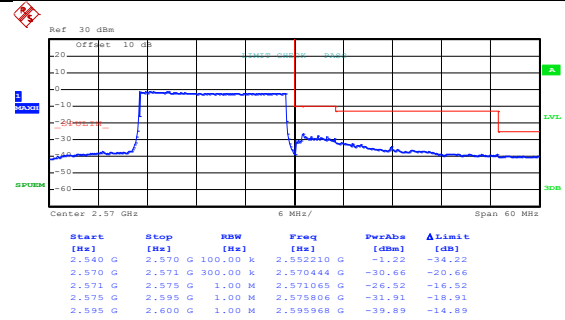
Test Mode:

LTE band 7(QPSK RB Size 100 & RB Offset 0)



Date: 13.SEP.2016 04:12:01

Lowest channel

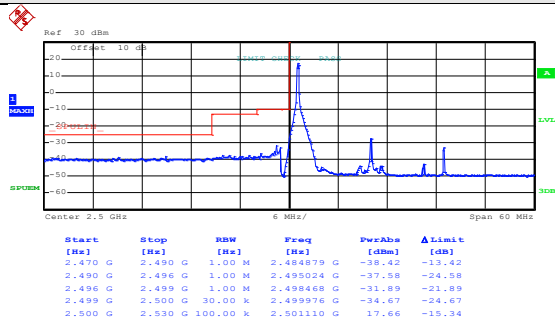


Date: 13.SEP.2016 04:13:58

Highest channel

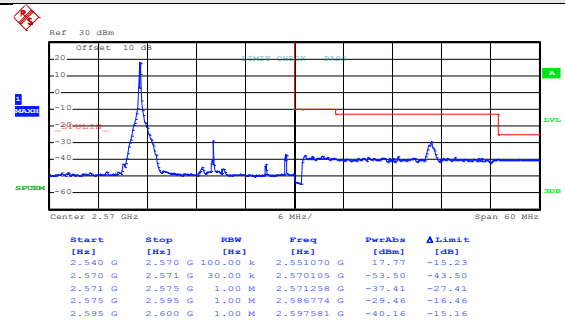
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 04:10:31

Lowest channel

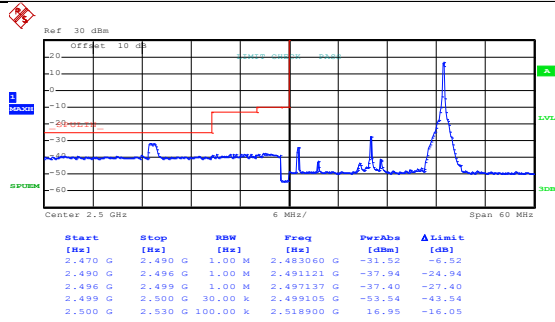


Date: 13.SEP.2016 04:12:33

Highest channel

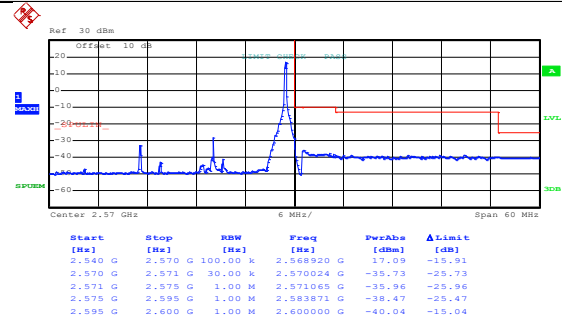
Test Mode:

LTE band 7(16QAM RB Size 1 & RB Offset 99)



Date: 13.SEP.2016 04:10:58

Lowest channel

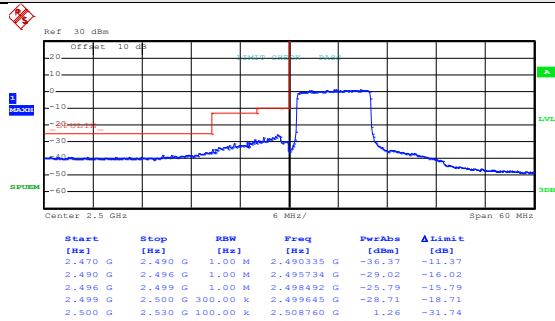


Date: 13.SEP.2016 04:12:50

Highest channel

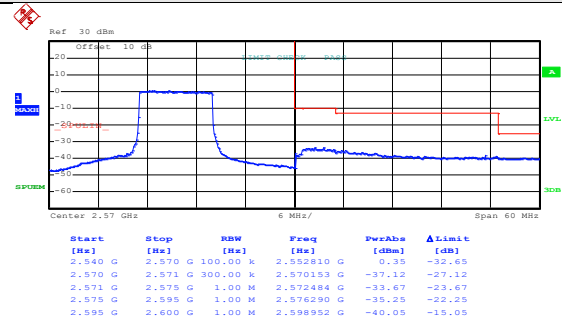
Test Mode:

LTE band 7(16QAM RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 04:11:26

Lowest channel

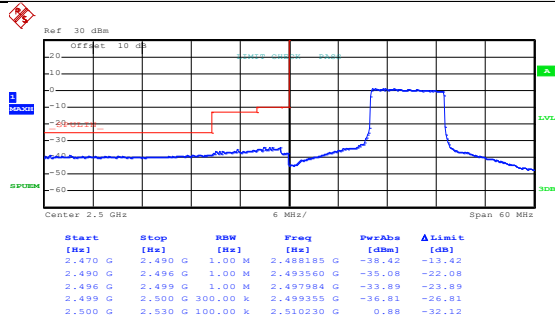


Date: 13.SEP.2016 04:13:23

Highest channel

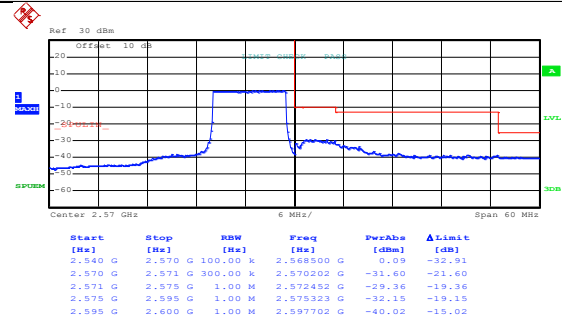
Test Mode:

LTE band 7(16QAM RB Size 50 & RB Offset 49)



Date: 13.SEP.2016 04:11:48

Lowest channel

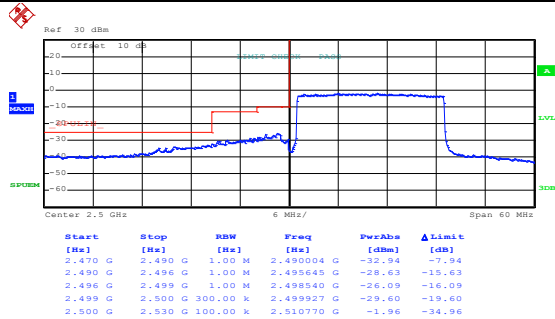


Date: 13.SEP.2016 04:13:45

Highest channel

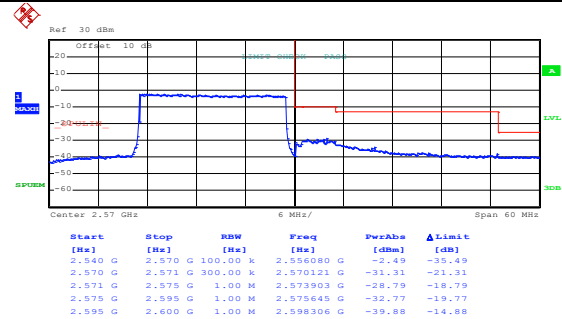
Test Mode:

LTE band 7(16QAM RB Size 100 & RB Offset 0)



Date: 13.SEP.2016 04:12:07

Lowest channel



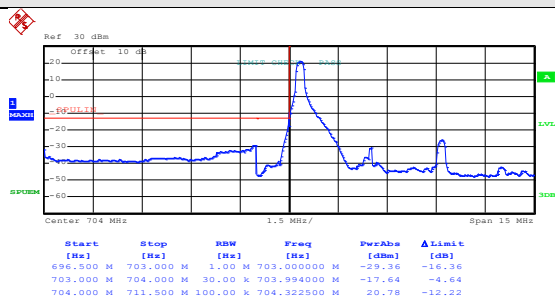
Date: 13.SEP.2016 04:14:09

Highest channel

LTE band 17 part:5MHz:

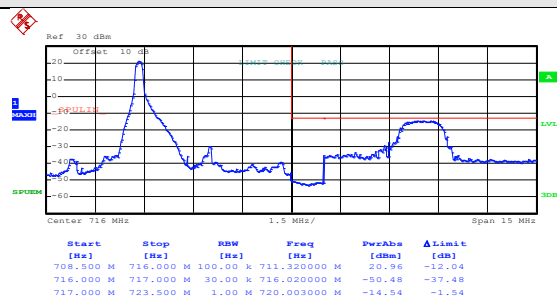
Test Mode:

LTE band 17(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:29:13

Lowest channel

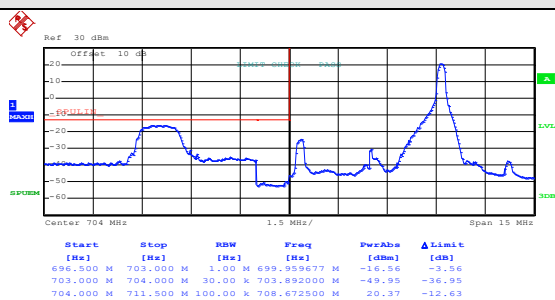


Date: 13.SEP.2016 03:31:01

Highest channel

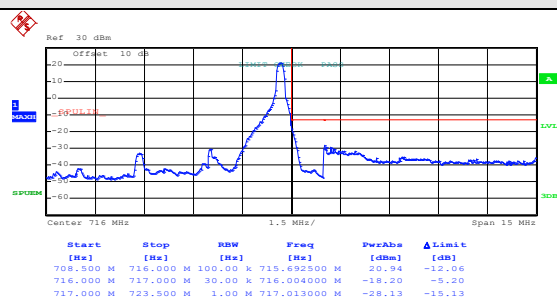
Test Mode:

LTE band 17(QPSK RB Size 1 & RB Offset 24)



Date: 13.SEP.2016 03:29:31

Lowest channel

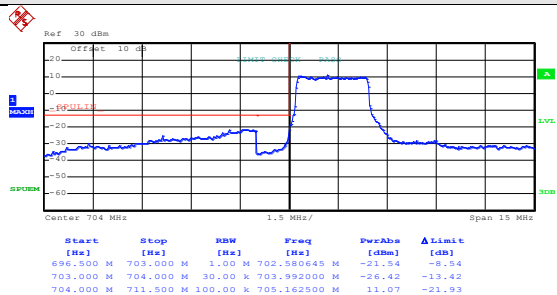


Date: 13.SEP.2016 03:31:18

Highest channel

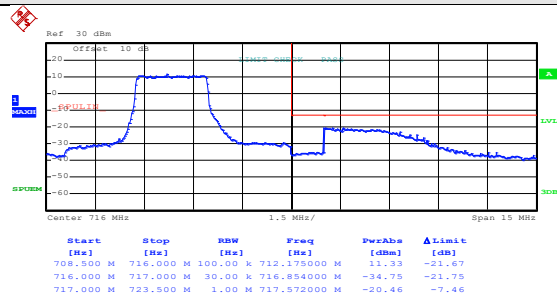
Test Mode:

LTE band 17(QPSK RB Size 12 & RB Offset 0)



Date: 13.SEP.2016 03:29:51

Lowest channel

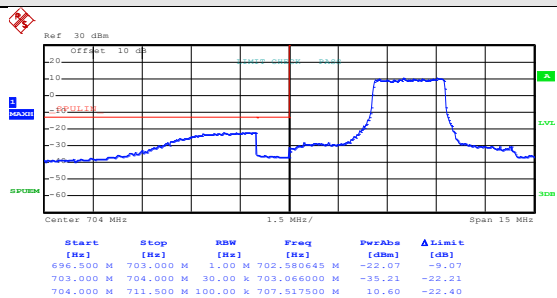


Date: 13.SEP.2016 03:31:37

Highest channel

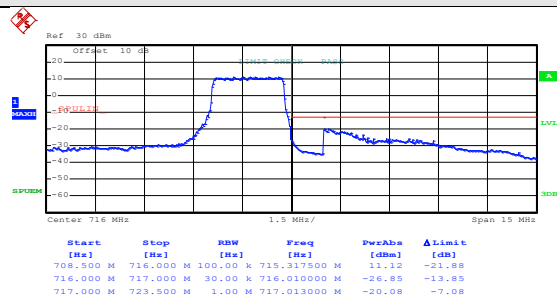
Test Mode:

LTE band 17(QPSK RB Size 12 & RB Offset 11)



Date: 13.SEP.2016 03:30:06

Lowest channel

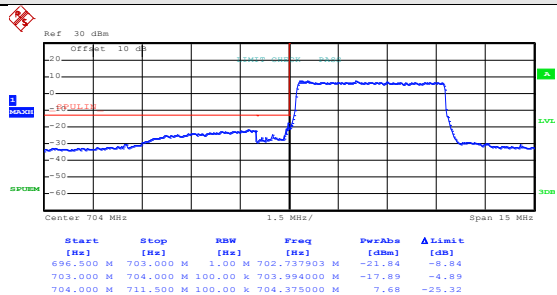


Date: 13.SEP.2016 03:31:55

Highest channel

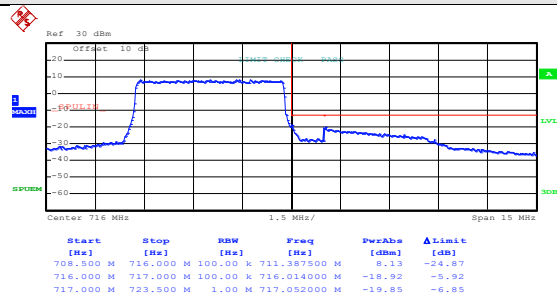
Test Mode:

LTE band 17(QPSK RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:30:29

Lowest channel

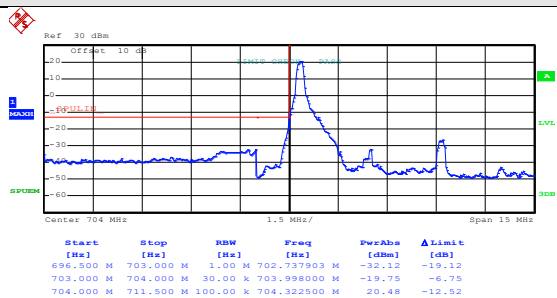


Date: 13.SEP.2016 03:32:18

Highest channel

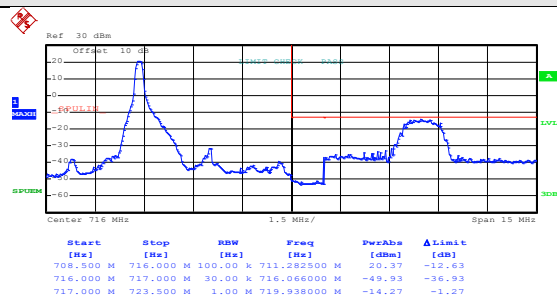
Test Mode:

LTE band 17(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:29:21

Lowest channel

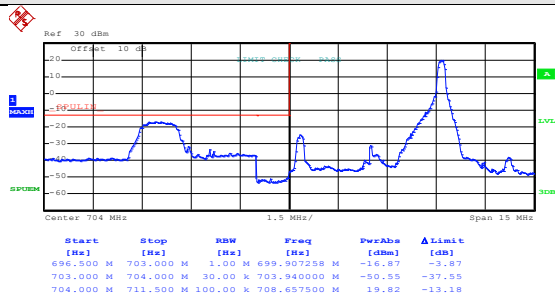


Date: 13.SEP.2016 03:31:10

Highest channel

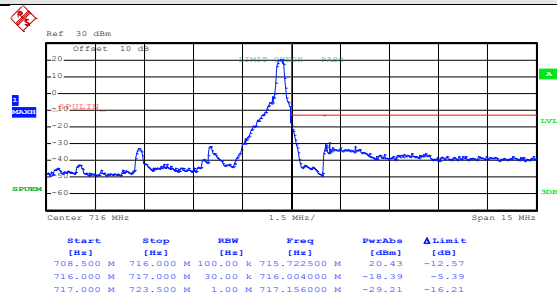
Test Mode:

LTE band 17(16QAM RB Size 1 & RB Offset 24)



Date: 13.SEP.2016 03:29:41

Lowest channel

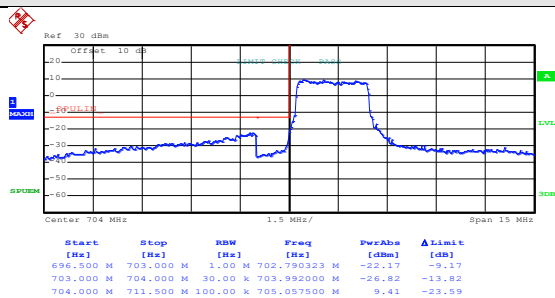


Date: 13.SEP.2016 03:31:25

Highest channel

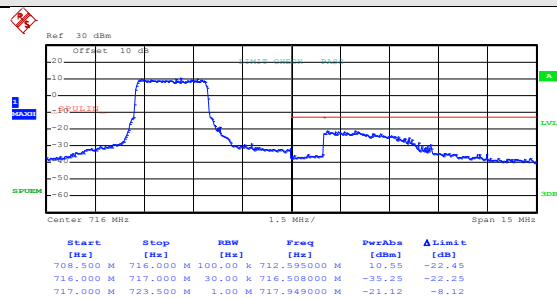
Test Mode:

LTE band 17(16QAM RB Size 12 & RB Offset 0)



Date: 13.SEP.2016 03:29:57

Lowest channel

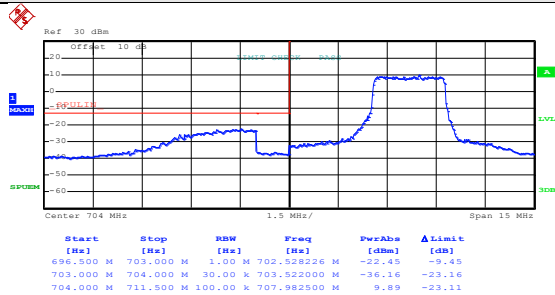


Date: 13.SEP.2016 03:31:44

Highest channel

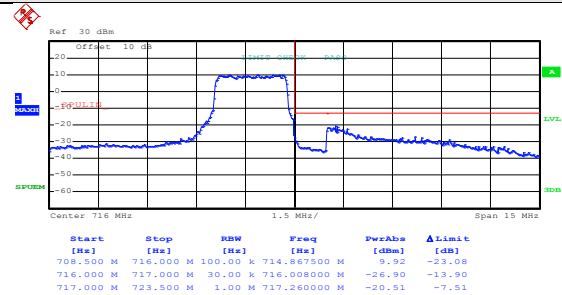
Test Mode:

LTE band 17(16QAM RB Size 12 & RB Offset 11)



Date: 13.SEP.2016 03:30:14

Lowest channel

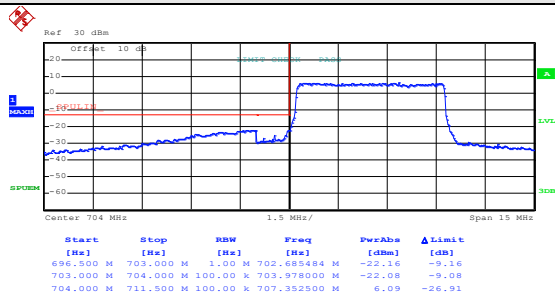


Date: 13.SEP.2016 03:32:02

Highest channel

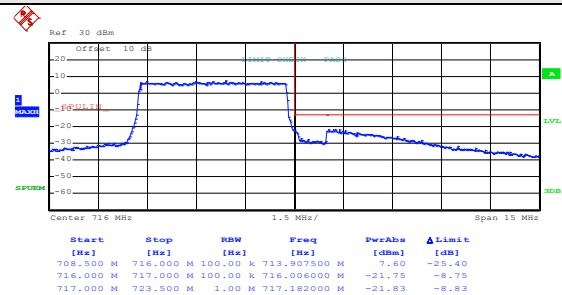
Test Mode:

LTE band 17(16QAM RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:30:39

Lowest channel



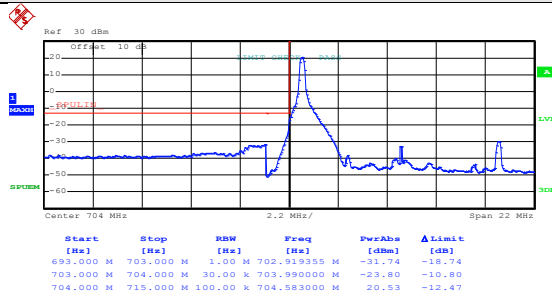
Date: 13.SEP.2016 03:32:24

Highest channel

10MHz:

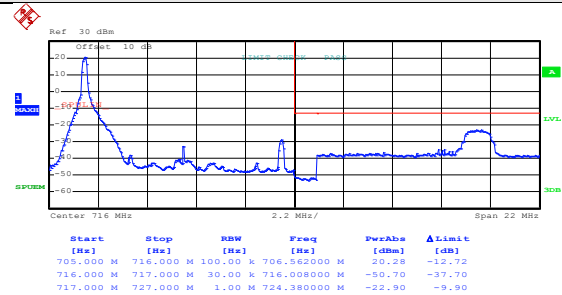
Test Mode:

LTE band 17(QPSK RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:33:11

Lowest channel

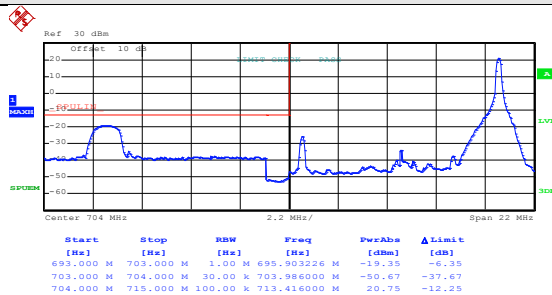


Date: 13.SEP.2016 03:35:38

Highest channel

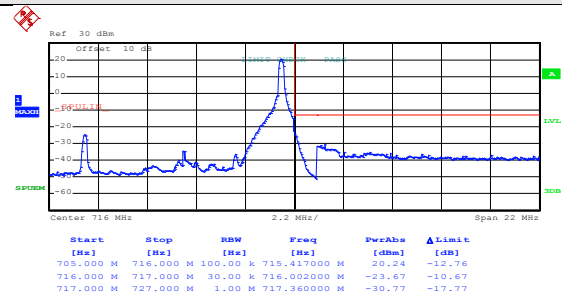
Test Mode:

LTE band 17(QPSK RB Size 1 & RB Offset 49)



Date: 13.SEP.2016 03:33:31

Lowest channel

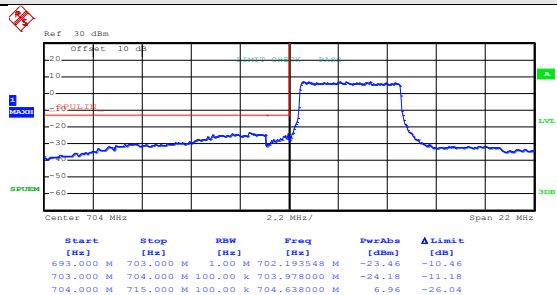


Date: 13.SEP.2016 03:35:54

Highest channel

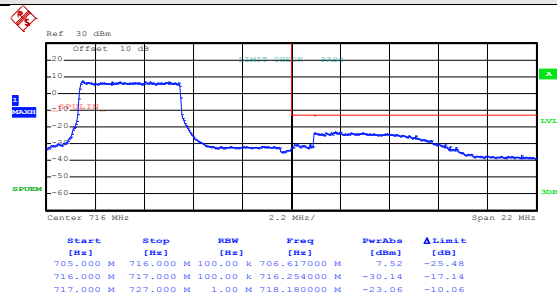
Test Mode:

LTE band 17(QPSK RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:33:53

Lowest channel

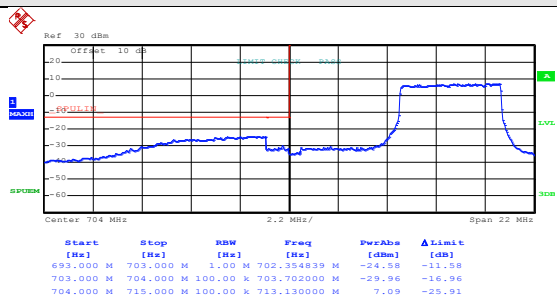


Date: 13.SEP.2016 03:36:20

Highest channel

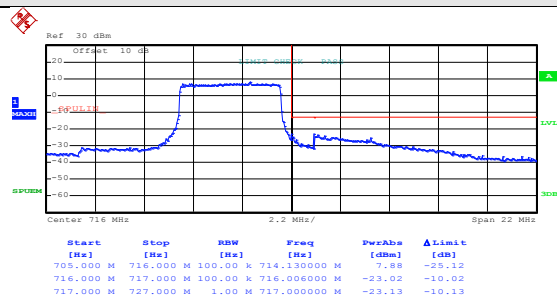
Test Mode:

LTE band 17(QPSK RB Size 25 & RB Offset 24)



Date: 13.SEP.2016 03:34:40

Lowest channel

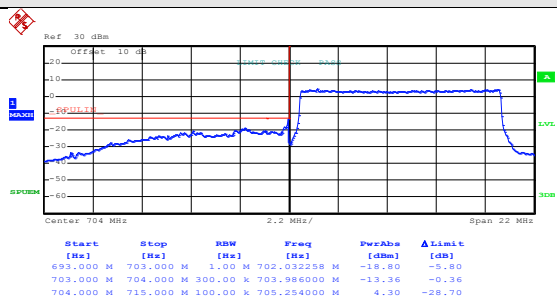


Date: 13.SEP.2016 03:36:36

Highest channel

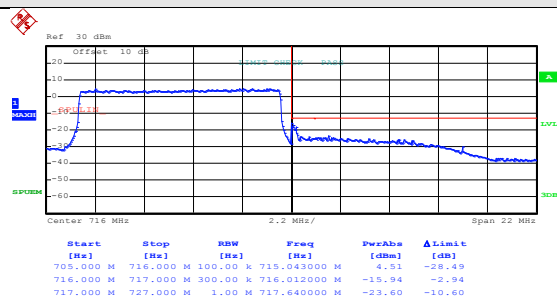
Test Mode:

LTE band 17(QPSK RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:35:10

Lowest channel

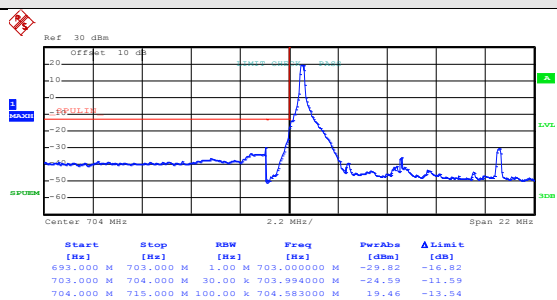


Date: 13.SEP.2016 03:37:10

Highest channel

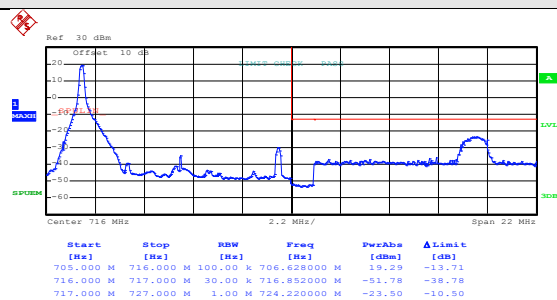
Test Mode:

LTE band 17(16QAM RB Size 1 & RB Offset 0)



Date: 13.SEP.2016 03:33:17

Lowest channel

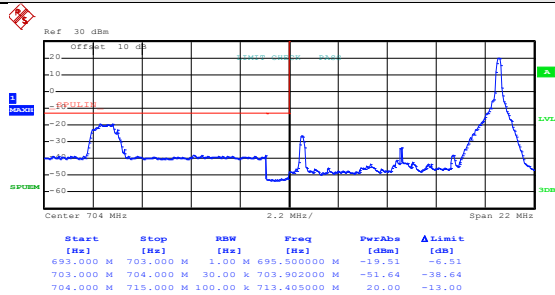


Date: 13.SEP.2016 03:35:45

Highest channel

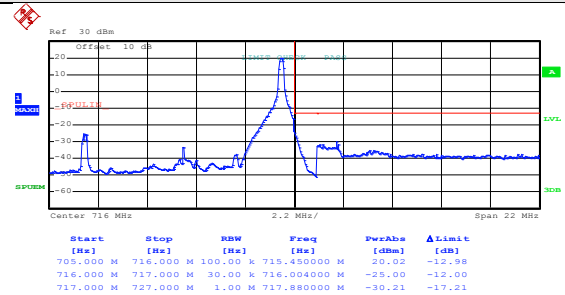
Test Mode:

LTE band 17(16QAM RB Size 1 & RB Offset 49)



Date: 13.SEP.2016 03:33:38

Lowest channel

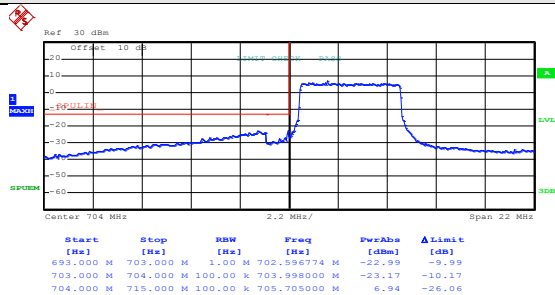


Date: 13.SEP.2016 03:36:04

Highest channel

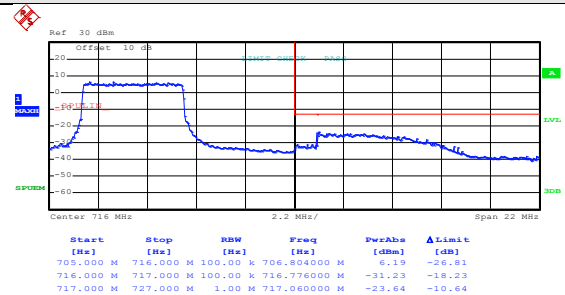
Test Mode:

LTE band 17(16QAM RB Size 25 & RB Offset 0)



Date: 13.SEP.2016 03:34:05

Lowest channel

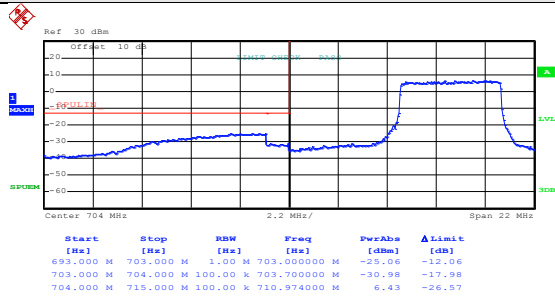


Date: 13.SEP.2016 03:36:27

Highest channel

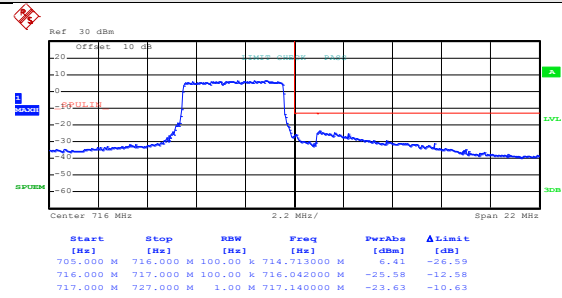
Test Mode:

LTE band 17(16QAM RB Size 25 & RB Offset 24)



Date: 13.SEP.2016 03:34:55

Lowest channel

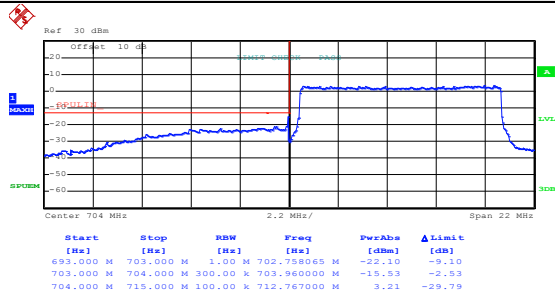


Date: 13.SEP.2016 03:36:46

Highest channel

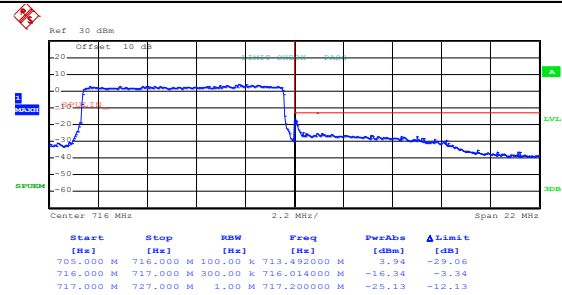
Test Mode:

LTE band 17(16QAM RB Size 50 & RB Offset 0)



Date: 13.SEP.2016 03:35:15

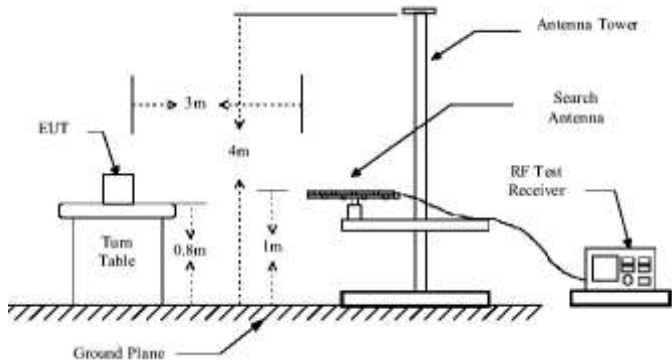
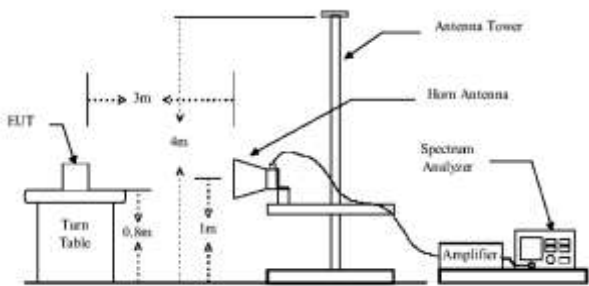
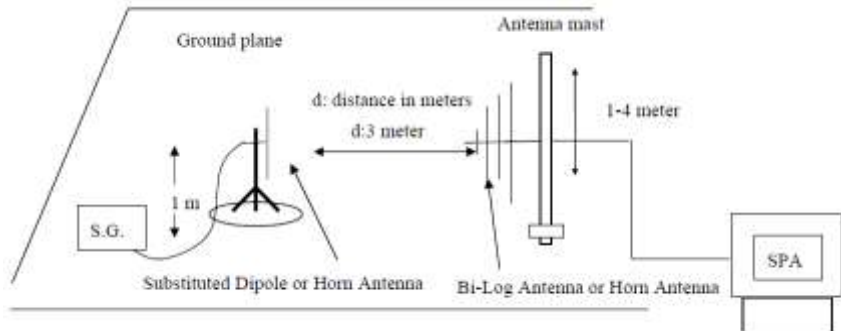
Lowest channel



Date: 13.SEP.2016 03:37:17

Highest channel

6.10 ERP, EIRP Measurement

Test Requirement:	24.232 (c), part 27.50(c), part 27.50(d), part 27.50 (h)
Test Method:	FCC part2.1046
Limit:	LTE Band 2: 2W EIRP LTE Band 4: 1W EIRP LTE Band 7: 2W EIRP LTE Band 17: 3W EIRP
Test setup:	Below 1GHz  Above 1GHz  Substituted method: 

Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated. 3. ERP in frequency band below 1GHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows: $\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$ 4. EIRP in frequency band above 1GHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows: $\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$ 5. The worse case was relating to the conducted output power.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE band 2 part

Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	20.47	33.00	Pass
					H	21.65		
1850.70	18607	16QAM	1.4	H	V	20.83		
					H	21.85		
1.4MHz(RB size 3 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	20.81	33.00	Pass
					H	21.13		
1850.70	18607	16QAM	1.4	H	V	20.23		
					H	21.32		
1.4MHz(RB size 6 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	20.72	33.00	Pass
					H	21.73		
1850.70	18607	16QAM	1.4	H	V	20.57		
					H	21.16		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	20.17	33.00	Pass
					H	21.87		
1880.00	18900	16QAM	1.4	H	V	20.23		
					H	21.57		
1.4MHz(RB size 3 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	20.51	33.00	Pass
					H	21.28		
1880.00	18900	16QAM	1.4	H	V	20.32		
					H	21.81		
1.4MHz(RB size 6 & RB offset 0)								
1880.00	18900	QPSK	1.40	H	V	20.55	33.00	Pass
					H	21.29		
1880.00	18900	16QAM	1.40	H	V	20.61		
					H	21.93		

Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	20.51	33.00	Pass
					H	21.54		
1909.30	19193	16QAM	1.4	H	V	20.49		
					H	21.68		
1.4MHz(RB size 3 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	20.66	33.00	Pass
					H	21.22		
1909.30	19193	16QAM	1.4	H	V	20.32		
					H	21.28		
1.4MHz(RB size 6 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	20.73	33.00	Pass
					H	21.98		
1909.30	19193	16QAM	1.4	H	V	20.53		
					H	21.44		

Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	20.24	33.00	Pass
					H	21.23		
1860.00	18700	16QAM	20	H	V	20.66		
					H	21.83		
20MHz(RB size 50 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	20.85	33.00	Pass
					H	21.13		
1860.00	18700	16QAM	20	H	V	20.15		
					H	21.57		
20MHz(RB size 100 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	20.53	33.00	Pass
					H	21.24		
1860.00	18700	16QAM	20	H	V	20.23		
					H	21.43		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	20.24	33.00	Pass
					H	21.67		
1880.00	18900	16QAM	20	H	V	20.10		
					H	21.48		
20MHz(RB size 50 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	20.57	33.00	Pass
					H	21.48		
1880.00	18900	16QAM	20	H	V	20.17		
					H	21.27		
20MHz(RB size 100 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	20.17	33.00	Pass
					H	21.27		
1880.00	18900	16QAM	20	H	V	20.97		
					H	21.12		

Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	20.69	33.00	Pass
					H	21.12		
1900.00	19100	16QAM	20	H	V	20.57		
					H	21.27		
20MHz(RB size 50 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	20.24	33.00	Pass
					H	21.45		
1900.00	19100	16QAM	20	H	V	20.31		
					H	21.53		
20MHz(RB size 100 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	20.41	33.00	Pass
					H	21.79		
1900.00	19100	16QAM	20	H	V	20.23		
					H	21.73		

LTE band 4 part

Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	24.42	30.00	Pass
					H	21.46		
1710.70	19957	16QAM	1.4	H	V	24.15		
					H	21.56		
1.4MHz(RB size 3 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	24.72	30.00	Pass
					H	21.41		
1710.70	19957	16QAM	1.4	H	V	24.28		
					H	21.53		
1.4MHz(RB size 6 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	24.29	30.00	Pass
					H	21.53		
1710.70	19957	16QAM	1.4	H	V	24.22		
					H	21.23		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	24.15	30.00	Pass
					H	21.46		
1732.50	20175	16QAM	1.4	H	V	24.77		
					H	21.85		
1.4MHz(RB size 3 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	24.23	30.00	Pass
					H	21.66		
1732.50	20175	16QAM	1.4	H	V	24.29		
					H	21.52		
1.4MHz(RB size 6 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	24.45	30.00	Pass
					H	21.22		
1732.50	20175	16QAM	1.4	H	V	24.53		
					H	21.54		

Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	24.11	30.00	Pass
					H	21.31		
1754.30	20393	16QAM	1.4	H	V	24.17		
					H	21.15		
1.4MHz(RB size 3 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	24.54	30.00	Pass
					H	21.72		
1754.30	20393	16QAM	1.4	H	V	24.28		
					H	21.53		
1.4MHz(RB size 6 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	24.49	30.00	Pass
					H	21.54		
1754.30	20393	16QAM	1.4	H	V	24.68		
					H	21.61		

Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	24.23	30.00	Pass
					H	21.16		
1720.00	20050	16QAM	20	H	V	24.23		
					H	21.22		
20MHz(RB size 50 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	24.64	30.00	Pass
					H	21.23		
1720.00	20050	16QAM	20	H	V	24.23		
					H	21.77		
20MHz(RB size 100 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	24.23	30.00	Pass
					H	21.97		
1720.00	20050	16QAM	20	H	V	24.54		
					H	21.23		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	24.28	30.00	Pass
					H	21.21		
1732.50	20175	16QAM	20	H	V	24.29		
					H	21.24		
20MHz(RB size 50 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	24.68	30.00	Pass
					H	21.61		
1732.50	20175	16QAM	20	H	V	24.68		
					H	21.16		
20MHz(RB size 100 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	24.36	30.00	Pass
					H	21.47		
1732.50	20175	16QAM	20	H	V	24.51		
					H	21.06		

High channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	24.42	30.00	Pass
					H	21.04		
1745.00	20300	16QAM	20	H	V	24.26		
					H	21.50		
20MHz(RB size 50 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	24.30	30.00	Pass
					H	20.66		
1745.00	20300	16QAM	20	H	V	24.82		
					H	21.51		
20MHz(RB size 100 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	24.58	30.00	Pass
					H	21.86		
1745.00	20300	16QAM	20	H	V	24.62		
					H	21.84		

LTE band 7 part

Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	19.25	33.00	Pass
					H	17.81		
2502.50	20775	16QAM	5	H	V	19.77		
					H	17.64		
5MHz(RB size 12& RB offset 0)								
2502.50	20775	QPSK	5	H	V	19.77	33.00	Pass
					H	17.99		
2502.50	20775	16QAM	5	H	V	19.04		
					H	17.31		
5MHz(RB size 25& RB offset 0)								
2502.50	20775	QPSK	5	H	V	19.69	33.00	Pass
					H	17.56		
2502.50	20775	16QAM	5	H	V	19.11		
					H	17.41		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	19.66	33.00	Pass
					H	17.45		
2535.00	21100	16QAM	5	H	V	19.51		
					H	17.28		
5MHz(RB size 12& RB offset 0)								
2535.00	21100	QPSK	5	H	V	19.22	33.00	Pass
					H	17.61		
2535.00	21100	16QAM	5	H	V	19.22		
					H	17.68		
5MHz(RB size 25& RB offset 0)								
2535.00	21100	QPSK	5	H	V	19.22	33.00	Pass
					H	17.05		
2535.00	21100	16QAM	5	H	V	19.45		
					H	19.66		

Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	19.77	33.00	Pass
					H	17.95		
2567.50	21425	16QAM	5	H	V	19.13		
					H	17.14		
5MHz(RB size 12& RB offset 0)								
2567.50	21425	QPSK	5	H	V	19.15	33.00	Pass
					H	17.21		
2567.50	21425	16QAM	5	H	V	19.29		
					H	17.95		
5MHz(RB size 25& RB offset 0)								
2567.50	21425	QPSK	5	H	V	19.64	33.00	Pass
					H	17.53		
2567.50	21425	16QAM	5	H	V	19.49		
					H	17.68		

Lowest channel

Lowest channel								
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	19.30	33.00	Pass
					H	17.51		
2510.00	20850	16QAM	20	H	V	19.59		
					H	17.26		
20MHz(RB size 50 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	19.78	33.00	Pass
					H	17.14		
2510.00	20850	16QAM	20	H	V	19.76		
					H	17.23		
20MHz(RB size 100 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	19.21	33.00	Pass
					H	17.22		
2510.00	20850	16QAM	20	H	V	19.63		
					H	17.56		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	19.73	33.00	Pass
					H	17.56		
2535.00	21100	16QAM	20	H	V	19.15		
					H	17.18		
20MHz(RB size 50 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	19.41	33.00	Pass
					H	17.59		
2535.00	21100	16QAM	20	H	V	19.29		
					H	17.55		
20MHz(RB size 100 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	19.41	33.00	Pass
					H	17.76		
2535.00	21100	16QAM	20	H	V	19.23		
					H	17.21		

High channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
20MHz(RB size 1 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	19.62	33.00	Pass
					H	17.67		
2560.00	21350	16QAM	20	H	V	19.63		
					H	19.57		
20MHz(RB size 50 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	19.56	33.00	Pass
					H	17.99		
2560.00	21350	16QAM	20	H	V	19.59		
					H	17.16		
20MHz(RB size 100 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	19.18	33.00	Pass
					H	17.51		
2560.00	21350	16QAM	20	H	V	19.84		
					H	17.68		

**LTE band 17 part
Lowest channel**

Lowest channel								
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
706.50	23755	QPSK	5	H	V	24.64	34.77	Pass
					H	20.46		
706.50	23755	16QAM	5	H	V	24.30		
					H	20.68		
5MHz(RB size 12 & RB offset 0)								
706.50	23755	QPSK	5	H	V	24.68	34.77	Pass
					H	20.59		
706.50	23755	16QAM	5	H	V	24.21		
					H	20.51		
5MHz(RB size 25 & RB offset 0)								
706.50	23755	QPSK	5	H	V	24.56	34.77	Pass
					H	20.41		
706.50	23755	16QAM	5	H	V	24.49		
					H	20.99		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
710.00	23790	QPSK	5	H	V	24.62	34.77	Pass
					H	20.67		
710.00	23790	16QAM	5	H	V	24.63		
					H	20.59		
5MHz(RB size 12 & RB offset 0)								
710.00	23790	QPSK	5	H	V	24.55	34.77	Pass
					H	20.71		
710.00	23790	16QAM	5	H	V	24.99		
					H	20.15		
5MHz(RB size 25 & RB offset 0)								
710.00	23790	QPSK	5	H	V	24.59	34.77	Pass
					H	20.10		
710.00	23790	16QAM	5	H	V	24.15		
					H	20.76		

Highest channel

Highest channel								
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
5MHz(RB size 1 & RB offset 0)								
713.50	23825	QPSK	5	H	V	24.58	34.77	Pass
					H	20.63		
713.50	23825	16QAM	5	H	V	24.59		
					H	20.69		
5MHz(RB size 12 & RB offset 0)								
713.50	23825	QPSK	5	H	V	24.56	34.77	Pass
					H	20.62		
713.50	23825	16QAM	5	H	V	24.29		
					H	20.41		
5MHz(RB size 25 & RB offset 0)								
713.50	23825	QPSK	5	H	V	24.18	34.77	Pass
					H	20.42		
713.50	23825	16QAM	5	H	V	24.78		
					H	20.45		

Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
709.00	23780	QPSK	10	H	V	24.63	34.77	Pass
					H	20.26		
709.00	23780	16QAM	10	H	V	24.93		
					H	20.46		
10MHz(RB size 25& RB offset 0)								
709.00	23780	QPSK	10	H	V	24.58	34.77	Pass
					H	20.63		
709.00	23780	16QAM	10	H	V	24.59		
					H	20.55		
10MHz(RB size 50& RB offset 0)								
709.00	23780	QPSK	10	H	V	24.98	34.77	Pass
					H	20.75		
709.00	23780	16QAM	10	H	V	20.17		
					H	20.36		

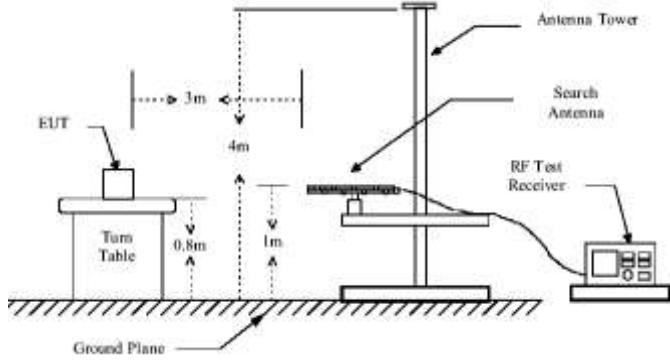
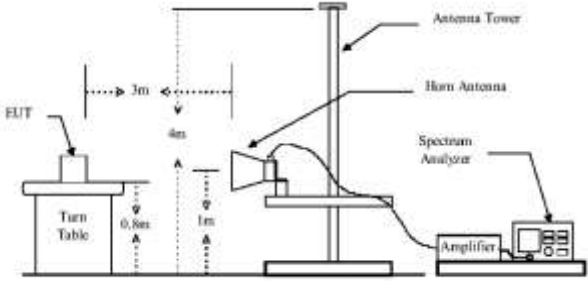
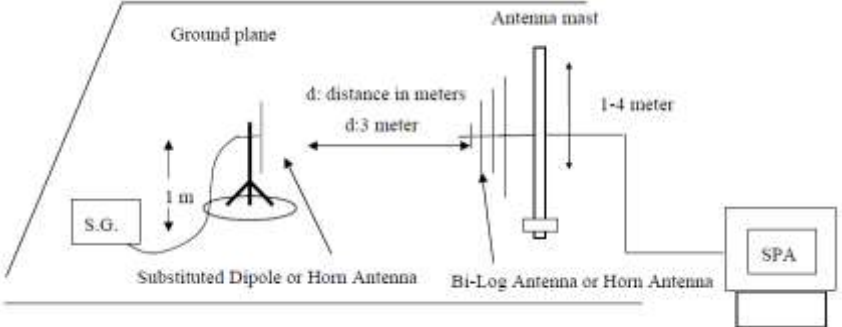
Middle channel

Middle Channel								
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
710.00	23790	QPSK	10	H	V	24.62	34.77	Pass
					H	20.62		
710.00	23790	16QAM	10	H	V	24.18		
					H	20.75		
10MHz(RB size 25& RB offset 0)								
710.00	23790	QPSK	10	H	V	24.23	34.77	Pass
					H	20.22		
710.00	23790	16QAM	10	H	V	24.71		
					H	20.81		
10MHz(RB size 50& RB offset 0)								
710.00	23790	QPSK	10	H	V	24.28	34.77	Pass
					H	20.51		
710.00	23790	16QAM	10	H	V	24.68		
					H	20.59		

Highest channel

Highest channel								
Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
711.00	23800	QPSK	10	H	V	24.03	34.77	Pass
					H	20.58		
711.00	23800	16QAM	10	H	V	24.93		
					H	20.79		
10MHz(RB size 25& RB offset 0)								
711.00	23800	QPSK	10	H	V	24.23	34.77	Pass
					H	20.22		
711.00	23800	16QAM	10	H	V	24.32		
					H	20.51		
10MHz(RB size 50& RB offset 0)								
711.00	23800	QPSK	10	H	V	24.83	34.77	Pass
					H	20.85		
711.00	23800	16QAM	10	H	V	24.13		
					H	20.14		

6.11 Field strength of spurious radiation measurement

Test Requirement:	Part 24.238 (a), Part 27.53(g), Part 27.53(m), Part 27.53(h)
Test Method:	FCC part2.1053
Limit:	LTE Band 2, LTE Band 4, LTE Band 5 and LTE Band 17: -13dBm, LTE Band 7: -25dBm
Test setup:	Below 1GHz  Above 1GHz  Substituted method: 
Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission

	was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) – Cable Loss (dB)
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

Measurement Data (worst case):**Below 1GHz:**

The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

Above 1GHz

For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE band 2 part:

1.4MHz(RB size 1 & RB offset 0) for QPSK

1.4MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3701.40	Vertical	-42.25	-13.00	Pass
5552.10	V	-18.74		
7402.00	V	-24.06		
3701.40	Horizontal	-37.67		
5552.10	H	-21.12		
7402.00	H	-22.36		
Middle				
3760.00	Vertical	-38.10	-13.00	Pass
5640.00	V	-20.64		
7520.00	V	-32.89		
3760.00	Horizontal	-38.47		
5640.00	H	-20.14		
7520.00	H	-28.35		
Highest				
3816.60	Vertical	-31.76	-13.00	Pass
5724.90	V	-20.98		
7633.20	V	-23.10		
3816.60	Horizontal	-35.70		
5724.90	H	-22.15		
7633.20	H	-32.74		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3703.00	Vertical	-42.37	-13.00	Pass
5554.50	V	-18.59		
7406.00	V	-24.12		
3703.00	Horizontal	-37.26		
5554.50	H	-21.12		
7406.00	H	-22.42		
Middle				
3760.00	Vertical	-38.59	-13.00	Pass
5640.00	V	-20.18		
7520.00	V	-32.42		
3760.00	Horizontal	-38.74		
5640.00	H	-20.72		
7520.00	H	-28.84		
Highest				
3817.00	Vertical	-31.58	-13.00	Pass
5725.50	V	-20.72		
7634.00	V	-23.47		
3817.00	Horizontal	-35.31		
5725.50	H	-22.42		
7634.00	H	-32.46		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3705.00	Vertical	-45.38	-13.00	Pass
5557.50	V	-18.81		
7410.00	V	-24.15		
3705.00	Horizontal	-37.50		
5557.50	H	-21.03		
7410.00	H	-22.33		
Middle				
3760.00	Vertical	-38.57	-13.00	Pass
5640.00	V	-20.73		
7520.00	V	-32.32		
3760.00	Horizontal	-38.97		
5640.00	H	-20.33		
7520.00	H	-28.42		
Highest				
3815.00	Vertical	-31.42	-13.00	Pass
5722.50	V	-20.68		
7630.00	V	-23.41		
3815.00	Horizontal	-23.42		
5722.50	H	-35.85		
7630.00	H	-32.42		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3710.00	Vertical	-42.37	-13.00	Pass
5565.00	V	-18.55		
7420.00	V	-24.74		
3710.00	Horizontal	-37.13		
5565.00	H	-21.41		
7420.00	H	-22.49		
Middle				
3760.00	Vertical	-38.49	-13.00	Pass
5640.00	V	-20.85		
7520.00	V	-32.19		
3760.00	Horizontal	-38.42		
5640.00	H	-20.36		
7520.00	H	-28.31		
Highest				
3810.00	Vertical	-31.36	-13.00	Pass
5715.00	V	-20.42		
7620.00	V	-23.42		
3810.00	Horizontal	-35.24		
5715.00	H	-22.26		
7620.00	H	-32.41		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3715.00	Vertical	-45.76	-13.00	Pass
5572.50	V	-18.12		
7430.00	V	-24.22		
3715.00	Horizontal	-37.74		
5572.50	H	-21.75		
7430.00	H	-22.19		
Middle				
3760.00	Vertical	-38.42	-13.00	Pass
5640.00	V	-20.41		
7520.00	V	-32.85		
3760.00	Horizontal	-38.68		
5640.00	H	-20.13		
7520.00	H	-28.35		
Highest				
3805.00	Vertical	-31.87	-13.00	Pass
5707.50	V	-20.55		
7610.00	V	-23.49		
3805.00	Horizontal	-23.76		
5707.50	H	-35.57		
7610.00	H	-32.49		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3720.00	Vertical	-42.72	-13.00	Pass
5580.00	V	-18.31		
7440.00	V	-24.31		
3720.00	Horizontal	-37.44		
5580.00	H	-21.37		
7440.00	H	-22.38		
Middle				
3760.00	Vertical	-38.28	-13.00	Pass
5640.00	V	-20.47		
7520.00	V	-32.15		
3760.00	Horizontal	-38.15		
5640.00	H	-20.47		
7520.00	H	-28.38		
Highest				
3800.00	Vertical	-31.68	-13.00	Pass
5700.00	V	-20.85		
7600.00	V	-23.64		
3800.00	Horizontal	-35.71		
5700.00	H	-22.99		
7600.00	H	-32.42		

LTE Band 4 Part:

1.4MHz(RB size 1 & RB offset 0) for QPSK

1.4MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3421.40	Vertical	-35.92	-13.00	Pass
5132.10	V	-18.73		
6842.80	V	-18.17		
3421.40	Horizontal	-38.41		
5132.10	H	-19.37		
6842.80	H	-18.51		
Middle				
3465.00	Vertical	-38.64	-13.00	Pass
5197.50	V	-20.82		
6930.00	V	-25.32		
3465.00	Horizontal	-44.12		
5197.50	H	-22.89		
6930.00	H	-23.76		
Highest				
3508.60	Vertical	-38.20	-13.00	Pass
5262.90	V	-20.15		
7017.20	V	-20.55		
3508.60	Horizontal	-42.01		
5262.90	H	-21.71		
7017.20	H	-25.04		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3423.00	Vertical	-35.34	-13.00	Pass
5134.50	V	-18.63		
6846.00	V	-18.29		
3423.00	Horizontal	-38.45		
5134.50	H	-19.41		
6846.00	H	-18.42		
Middle				
3465.00	Vertical	-38.41	-13.00	Pass
5197.50	V	-20.42		
6930.00	V	-25.39		
3465.00	Horizontal	-44.38		
5197.50	H	-22.41		
6930.00	H	-23.57		
Highest				
3507.00	Vertical	-38.42	-13.00	Pass
5260.50	V	-20.38		
7014.00	V	-20.57		
3507.00	Horizontal	-42.41		
5260.50	H	-21.84		
7014.00	H	-25.38		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3425.00	Vertical	-35.35	-13.00	Pass
5137.50	V	-18.45		
6850.00	V	-18.52		
3425.00	Horizontal	-38.65		
5137.50	H	-19.45		
6850.00	H	-18.42		
Middle				
3465.00	Vertical	-38.45	-13.00	Pass
5197.50	V	-20.38		
6930.00	V	-25.25		
3465.00	Horizontal	-44.21		
5197.50	H	-44.16		
6930.00	H	-23.56		
Highest				
3505.00	Vertical	-38.49	-13.00	Pass
5257.50	V	-20.23		
7010.00	V	-20.50		
3505.00	Horizontal	-42.37		
5257.50	H	-21.83		
7010.00	H	-25.37		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3430.00	Vertical	-35.19	-13.00	Pass
5145.00	V	-18.94		
6860.00	V	-18.91		
3430.00	Horizontal	-38.42		
5145.00	H	-19.65		
6860.00	H	-18.12		
Middle				
3465.00	Vertical	-38.51	-13.00	Pass
5197.50	V	-20.46		
6930.00	V	-25.33		
3465.00	Horizontal	-44.41		
5197.50	H	-22.51		
6930.00	H	-23.42		
Highest				
3500.00	Vertical	-38.84	-13.00	Pass
5250.00	V	-20.45		
7000.00	V	-20.41		
3500.00	Horizontal	-42.37		
5250.00	H	-21.41		
7000.00	H	-25.68		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3435.00	Vertical	-35.84	-13.00	Pass
5152.50	V	-18.38		
6870.00	V	-18.41		
3435.00	Horizontal	-38.16		
5152.50	H	-19.73		
6870.00	H	-18.42		
Middle				
3465.00	Vertical	-38.42	-13.00	Pass
5197.50	V	-20.38		
6930.00	V	-25.12		
3465.00	Horizontal	-44.38		
5197.50	H	-44.25		
6930.00	H	-23.21		
Highest				
3495.00	Vertical	-38.41	-13.00	Pass
5242.50	V	-20.16		
6990.00	V	-20.72		
3495.00	Horizontal	-42.46		
5242.50	H	-21.57		
6990.00	H	-25.94		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3440.00	Vertical	-35.37	-13.00	Pass
5160.00	V	-18.38		
6880.00	V	-18.51		
3440.00	Horizontal	-38.45		
5160.00	H	-19.34		
6880.00	H	-18.52		
Middle				
3465.00	Vertical	-38.34	-13.00	Pass
5197.50	V	-20.52		
6930.00	V	-25.34		
3465.00	Horizontal	-44.29		
5197.50	H	-22.52		
6930.00	H	-23.94		
Highest				
3490.00	Vertical	-38.77	-13.00	Pass
5235.00	V	-20.16		
6980.00	V	-20.46		
3490.00	Horizontal	-42.49		
5235.00	H	-21.92		
6980.00	H	-25.41		

LTE Band 7 Part:

EME Band 1 Part:

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5005.00	Vertical	-36.39	-25.00	Pass
7507.50	V	-27.46		
10010.00	V	-40.11		
5005.00	Horizontal	-32.01		
7507.50	H	-25.68		
10010.00	H	-42.37		
Middle				
5070.00	Vertical	-37.49	-25.00	Pass
7605.00	V	-31.92		
10140.00	V	-43.39		
5070.00	Horizontal	-31.94		
7605.00	H	-26.42		
10140.00	H	-41.94		
Highest				
5135.00	Vertical	-38.94	-25.00	Pass
7702.50	V	-29.39		
10270.00	V	-41.94		
5135.00	Horizontal	-33.94		
7702.50	H	-27.94		
10270.00	H	-42.99		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5010.00	Vertical	-36.45	-25.00	Pass
7515.00	V	-27.42		
10020.00	V	-40.45		
5010.00	Horizontal	-32.37		
7515.00	H	-25.84		
10020.00	H	-42.32		
Middle				
5070.00	Vertical	-37.41	-25.00	Pass
7605.00	V	-31.24		
10140.00	V	-43.39		
5070.00	Horizontal	-31.27		
7605.00	H	-26.24		
10140.00	H	-41.90		
Highest				
5130.00	Vertical	-38.45	-25.00	Pass
7695.00	V	-29.43		
10260.00	V	-41.41		
5130.00	Horizontal	-33.37		
7695.00	H	-27.91		
10260.00	H	-42.43		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5015.00	Vertical	-36.49	-25.00	Pass
7522.50	V	-27.27		
10030.00	V	-40.42		
5015.00	Horizontal	-32.45		
7522.50	H	-25.69		
10030.00	H	-42.72		
Middle				
5070.00	Vertical	-37.41	-25.00	Pass
7605.00	V	-31.25		
10140.00	V	-43.01		
5070.00	Horizontal	-31.24		
7605.00	H	-26.29		
10140.00	H	-41.94		
Highest				
5125.00	Vertical	-38.94	-25.00	Pass
7687.50	V	-29.32		
10250.00	V	-41.69		
5125.00	Horizontal	-33.37		
7687.50	H	-27.24		
10250.00	H	-42.32		

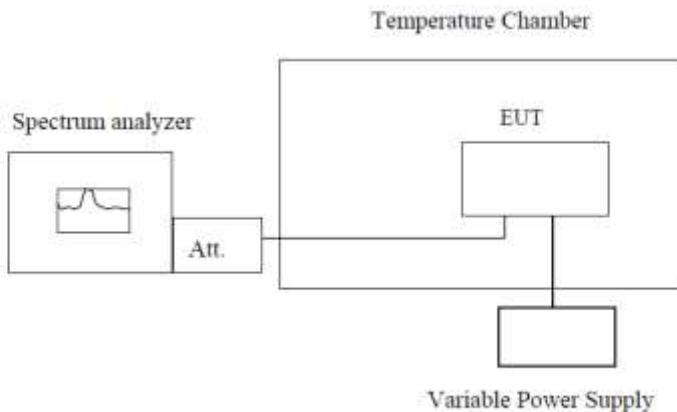
20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5020.00	Vertical	-36.69	-25.00	Pass
7530.00	V	-27.46		
10040.00	V	-40.69		
5020.00	Horizontal	-32.94		
7530.00	H	-25.41		
10040.00	H	-42.88		
Middle				
5070.00	Vertical	-37.37	-25.00	Pass
7605.00	V	-31.69		
10140.00	V	-43.58		
5070.00	Horizontal	-31.69		
7605.00	H	-26.45		
10140.00	H	-41.84		
Highest				
5120.00	Vertical	-38.88	-25.00	Pass
7680.00	V	-29.24		
10240.00	V	-41.11		
5120.00	Horizontal	-33.24		
7680.00	H	-27.11		
10240.00	H	-42.14		

LTE Band 17 Part:

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
1413.00	Vertical	-52.55	-13.00	Pass
2119.50	V	-44.35		
2826.00	V	-68.37		
1413.00	Horizontal	-59.39		
2119.50	H	-50.10		
2826.00	H	-70.19		
Middle				
1420.00	Vertical	-52.77	-13.00	Pass
2130.00	V	-44.67		
2840.00	V	-70.13		
1420.00	Horizontal	-58.23		
2130.00	H	-50.73		
2840.00	H	-69.95		
Highest				
1427.00	Vertical	-52.66	-13.00	Pass
2140.50	V	-46.26		
2854.00	V	-69.93		
1427.00	Horizontal	-58.77		
2140.50	H	-53.80		
2854.00	H	-69.65		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
1418.00	Vertical	-52.14	-13.00	Pass
2127.00	V	-44.42		
2836.00	V	-68.21		
1418.00	Horizontal	-59.64		
2127.00	H	-50.41		
2836.00	H	-70.34		
Middle				
1420.00	Vertical	-52.63	-13.00	Pass
2130.00	V	-44.19		
2840.00	V	-70.77		
1420.00	Horizontal	-58.12		
2130.00	H	-50.99		
2840.00	H	-69.78		
Highest				
1422.00	Vertical	-52.51	-13.00	Pass
2133.00	V	-42.58		
2844.00	V	-69.31		
1422.00	Horizontal	-58.98		
2133.00	H	-53.64		
2844.00	H	-69.28		

6.12 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part2.1055(a)(1)(b)
Test Method:	FCC Part2.1055(a)(1)(b)
Limit:	$\pm 2.5\text{ppm}$
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All three channels of all modulations have been tested, but only the worst channel and the worst modulation show in this test item.

Measurement Data (the worst channel):

LTE Band 2(QPSK):

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	171	0.090957	±2.5	Pass
	-20	142	0.075532		
	-10	136	0.072340		
	0	152	0.080851		
	10	145	0.077128		
	20	163	0.086702		
	30	108	0.057447		
	40	122	0.064894		
	50	137	0.072872		

Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	163	0.086702	±2.5	Pass
	-20	174	0.092553		
	-10	159	0.084574		
	0	138	0.073404		
	10	158	0.084043		
	20	170	0.090426		
	30	142	0.075532		
	40	130	0.069149		
	50	144	0.076596		

Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	178	0.094681	±2.5	Pass
	-20	182	0.096809		
	-10	163	0.086702		
	0	152	0.080851		
	10	146	0.077660		
	20	138	0.073404		
	30	125	0.066489		
	40	136	0.072340		
	50	149	0.079255		

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	189	0.100532	±2.5	Pass
	-20	163	0.086702		
	-10	166	0.088298		
	0	157	0.083511		
	10	136	0.072340		
	20	140	0.074468		
	30	152	0.080851		
	40	169	0.089894		
	50	128	0.068085		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	152	0.080851	±2.5	Pass
	-20	136	0.072340		
	-10	147	0.078191		
	0	123	0.065426		
	10	136	0.072340		
	20	148	0.078723		
	30	175	0.093085		
	40	160	0.085106		
	50	188	0.100000		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	163	0.086702	±2.5	Pass
	-20	174	0.092553		
	-10	158	0.084043		
	0	129	0.068617		
	10	174	0.092553		
	20	136	0.072340		
	30	146	0.077660		
	40	155	0.082447		
	50	125	0.066489		

LTE Band 2(16QAM):

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	169	0.089894	±2.5	Pass
	-20	174	0.092553		
	-10	155	0.082447		
	0	159	0.084574		
	10	165	0.087766		
	20	160	0.085106		
	30	123	0.065426		
	40	156	0.082979		
	50	127	0.067553		

Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	163	0.086702	±2.5	Pass
	-20	175	0.093085		
	-10	177	0.094149		
	0	169	0.089894		
	10	180	0.095745		
	20	145	0.077128		
	30	174	0.092553		
	40	170	0.090426		
	50	125	0.066489		

Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	173	0.092021	±2.5	Pass
	-20	146	0.077660		
	-10	154	0.081915		
	0	133	0.070745		
	10	156	0.082979		
	20	166	0.088298		
	30	174	0.092553		
	40	125	0.066489		
	50	136	0.072340		

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	167	0.088830	±2.5	Pass
	-20	170	0.090426		
	-10	152	0.080851		
	0	133	0.070745		
	10	145	0.077128		
	20	160	0.085106		
	30	155	0.082447		
	40	133	0.070745		
	50	128	0.068085		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	177	0.094149	±2.5	Pass
	-20	163	0.086702		
	-10	152	0.080851		
	0	148	0.078723		
	10	136	0.072340		
	20	133	0.070745		
	30	149	0.079255		
	40	155	0.082447		
	50	152	0.080851		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	179	0.095213	±2.5	Pass
	-20	185	0.098404		
	-10	132	0.070213		
	0	155	0.082447		
	10	146	0.077660		
	20	148	0.078723		
	30	126	0.067021		
	40	137	0.072872		
	50	122	0.064894		

LTE Band 4(QPSK):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	163	0.094084	±2.5	Pass
	-20	185	0.106782		
	-10	180	0.103896		
	0	174	0.100433		
	10	166	0.095815		
	20	190	0.109668		
	30	158	0.091198		
	40	148	0.085426		
	50	126	0.072727		

Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	153	0.088312	±2.5	Pass
	-20	159	0.091775		
	-10	174	0.100433		
	0	166	0.095815		
	10	163	0.094084		
	20	158	0.091198		
	30	149	0.086003		
	40	135	0.077922		
	50	130	0.075036		

Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	167	0.096392	±2.5	Pass
	-20	133	0.076768		
	-10	150	0.086580		
	0	142	0.081962		
	10	169	0.097547		
	20	158	0.091198		
	30	147	0.084848		
	40	136	0.078499		
	50	180	0.103896		

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	160	0.092352	±2.5	Pass
	-20	155	0.089466		
	-10	157	0.090620		
	0	139	0.080231		
	10	122	0.070418		
	20	125	0.072150		
	30	146	0.084271		
	40	137	0.079076		
	50	159	0.091775		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	144	0.083117	±2.5	Pass
	-20	163	0.094084		
	-10	128	0.073882		
	0	134	0.077345		
	10	125	0.072150		
	20	148	0.085426		
	30	166	0.095815		
	40	128	0.073882		
	50	107	0.061760		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	185	0.106782	±2.5	Pass
	-20	163	0.094084		
	-10	145	0.083694		
	0	162	0.093506		
	10	177	0.102165		
	20	158	0.091198		
	30	146	0.084271		
	40	125	0.072150		
	50	136	0.078499		

LTE Band 4(16QAM):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	152	0.087734	±2.5	Pass
	-20	146	0.084271		
	-10	133	0.076768		
	0	150	0.086580		
	10	157	0.090620		
	20	166	0.095815		
	30	169	0.097547		
	40	158	0.091198		
	50	136	0.078499		

Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	170	0.098124	±2.5	Pass
	-20	163	0.094084		
	-10	166	0.095815		
	0	158	0.091198		
	10	150	0.086580		
	20	124	0.071573		
	30	150	0.086580		
	40	153	0.088312		
	50	125	0.072150		

Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	169	0.097547	±2.5	Pass
	-20	172	0.099278		
	-10	108	0.062338		
	0	126	0.072727		
	10	138	0.079654		
	20	149	0.086003		
	30	152	0.087734		
	40	160	0.092352		
	50	125	0.072150		

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	160	0.092352	±2.5	Pass
	-20	135	0.077922		
	-10	126	0.072727		
	0	120	0.069264		
	10	141	0.081385		
	20	150	0.086580		
	30	130	0.075036		
	40	142	0.081962		
	50	136	0.078499		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	152	0.087734	±2.5	Pass
	-20	133	0.076768		
	-10	141	0.081385		
	0	150	0.086580		
	10	136	0.078499		
	20	122	0.070418		
	30	107	0.061760		
	40	115	0.066378		
	50	136	0.078499		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	170	0.098124	±2.5	Pass
	-20	155	0.089466		
	-10	169	0.097547		
	0	125	0.072150		
	10	136	0.078499		
	20	141	0.081385		
	30	122	0.070418		
	40	135	0.077922		
	50	145	0.083694		

LTE Band 7(QPSK):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	188	0.074162	±2.5	Pass
	-20	163	0.064300		
	-10	160	0.063116		
	0	124	0.048915		
	10	132	0.052071		
	20	133	0.052465		
	30	150	0.059172		
	40	128	0.050493		
	50	136	0.053649		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	177	0.069822	±2.5	Pass
	-20	168	0.066272		
	-10	148	0.058383		
	0	136	0.053649		
	10	128	0.050493		
	20	158	0.062327		
	30	133	0.052465		
	40	124	0.048915		
	50	126	0.049704		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	163	0.064300	±2.5	Pass
	-20	167	0.065878		
	-10	175	0.069034		
	0	178	0.070217		
	10	155	0.061144		
	20	126	0.049704		
	30	138	0.054438		
	40	149	0.058777		
	50	186	0.073373		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	163	0.064300	±2.5	Pass
	-20	127	0.050099		
	-10	135	0.053254		
	0	148	0.058383		
	10	163	0.064300		
	20	166	0.065483		
	30	168	0.066272		
	40	157	0.061933		
	50	159	0.062722		

LTE Band 7(16QAM):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	178	0.070217	±2.5	Pass
	-20	136	0.053649		
	-10	159	0.062722		
	0	108	0.042604		
	10	163	0.064300		
	20	139	0.054832		
	30	158	0.062327		
	40	147	0.057988		
	50	139	0.054832		

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	169	0.066667	±2.5	Pass
	-20	177	0.069822		
	-10	135	0.053254		
	0	156	0.061538		
	10	128	0.050493		
	20	190	0.074951		
	30	188	0.074162		
	40	185	0.072978		
	50	126	0.049704		

Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	144	0.056805	2.5	Pass
	-20	136	0.053649		
	-10	130	0.051282		
	0	128	0.050493		
	10	125	0.049310		
	20	141	0.055621		
	30	130	0.051282		
	40	156	0.061538		
	50	125	0.049310		

Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz

Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	144	0.056805	2.5	Pass
	-20	145	0.057199		
	-10	136	0.053649		
	0	158	0.062327		
	10	170	0.067061		
	20	125	0.049310		
	30	136	0.053649		
	40	106	0.041815		
	50	157	0.061933		

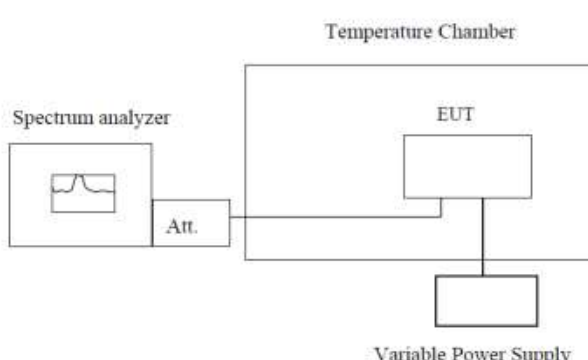
LTE Band 17(QPSK):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	192	0.270423	±2.5	Pass
	-20	136	0.191549		
	-10	155	0.218310		
	0	147	0.207042		
	10	133	0.187324		
	20	105	0.147887		
	30	162	0.228169		
	40	125	0.176056		
	50	133	0.187324		
Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	186	0.261972	±2.5	Pass
	-20	125	0.176056		
	-10	133	0.187324		
	0	124	0.174648		
	10	115	0.161972		
	20	126	0.177465		
	30	138	0.194366		
	40	125	0.176056		
	50	144	0.202817		

LTE Band 17(16QAM):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	169	0.238028	±2.5	Pass
	-20	135	0.190141		
	-10	187	0.263380		
	0	125	0.176056		
	10	156	0.219718		
	20	126	0.177465		
	30	127	0.178873		
	40	139	0.195775		
	50	108	0.152113		
Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	179	0.252113	±2.5	Pass
	-20	155	0.218310		
	-10	163	0.229577		
	0	187	0.263380		
	10	189	0.266197		
	20	125	0.176056		
	30	148	0.208451		
	40	136	0.191549		
	50	128	0.180282		

6.13 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part2.1055(d)(1)(2)
Test Method:	FCC Part2.1055(d)(1)(2)
Limit:	2.5ppm
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test procedure:	1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details, and all channels have been tested, only shows the worst channel data in this report.
Test results:	Passed

Measurement Data (the worst channel):

LTE Band 2(QPSK):

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.035106	±2.5	Pass
	3.80	95	0.050532		
	3.23	85	0.045213		
Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	60	0.031915	±2.5	Pass
	3.80	41	0.021809		
	3.23	95	0.050532		
Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	77	0.040957	±2.5	Pass
	3.80	48	0.025532		
	3.23	58	0.030851		
Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	69	0.036702	±2.5	Pass
	3.80	63	0.033511		
	3.23	52	0.027660		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	90	0.047872	±2.5	Pass
	3.80	58	0.030851		
	3.23	70	0.037234		
Reference Frequency: LTE Band 2(20MHz) Middle channel=20175 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.035106	±2.5	Pass
	3.80	85	0.045213		
	3.23	74	0.039362		

LTE Band 2(16QAM):

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.035106	±2.5	Pass
	3.80	85	0.045213		
	3.23	90	0.047872		
Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	63	0.033511	±2.5	Pass
	3.80	58	0.030851		
	3.23	47	0.025000		
Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.035106	±2.5	Pass
	3.80	69	0.036702		
	3.23	80	0.042553		
Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	74	0.039362	±2.5	Pass
	3.80	78	0.041489		
	3.23	55	0.029255		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.035106	±2.5	Pass
	3.80	69	0.036702		
	3.23	82	0.043617		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	45	0.023936	±2.5	Pass
	3.80	69	0.036702		
	3.23	70	0.037234		

LTE Band 4(QPSK):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	90	0.051948	±2.5	Pass
	3.80	87	0.050216		
	3.23	88	0.050794		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	74	0.042713	±2.5	Pass
	3.80	90	0.051948		
	3.23	52	0.030014		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.038095	±2.5	Pass
	3.80	85	0.049062		
	3.23	97	0.055988		
Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	38	0.021934	±2.5	Pass
	3.80	56	0.032323		
	3.23	74	0.042713		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	85	0.049062	±2.5	Pass
	3.80	88	0.050794		
	3.23	89	0.051371		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	67	0.038672	±2.5	Pass
	3.80	64	0.036941		
	3.23	90	0.051948		

LTE Band 4(16QAM):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	82	0.047330	±2.5	Pass
	3.80	59	0.034055		
	3.23	74	0.042713		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.038095	±2.5	Pass
	3.80	92	0.053102		
	3.23	45	0.025974		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	78	0.045022	±2.5	Pass
	3.80	48	0.027706		
	3.23	90	0.051948		
Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	63	0.036364	±2.5	Pass
	3.80	85	0.049062		
	3.23	90	0.051948		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	74	0.042713	±2.5	Pass
	3.80	77	0.044444		
	3.23	98	0.056566		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	85	0.049062	±2.5	Pass
	3.80	75	0.043290		
	3.23	68	0.039250		

LTE Band 7(QPSK):

LTE Band 7(5MHz)

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	80	0.031558	±2.5	Pass
	3.80	59	0.023274		
	3.23	45	0.017751		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	63	0.024852	±2.5	Pass
	3.80	96	0.037870		
	3.23	82	0.032347		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	48	0.018935	±2.5	Pass
	3.80	57	0.022485		
	3.23	59	0.023274		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	66	0.026036	±2.5	Pass
	3.80	63	0.024852		
	3.23	70	0.027613		

LTE Band 7(16QAM):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	90	0.035503	±2.5	Pass
	3.80	85	0.033531		
	3.23	74	0.029191		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	68	0.026824	±2.5	Pass
	3.80	55	0.021696		
	3.23	49	0.019329		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	63	0.024852	±2.5	Pass
	3.80	68	0.026824		
	3.23	50	0.019724		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	49	0.019329	±2.5	Pass
	3.80	75	0.029586		
	3.23	70	0.027613		

LTE Band 17(QPSK):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	88	0.123944	±2.5	Pass
	3.80	57	0.080282		
	3.23	46	0.064789		
Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	86	0.121127	±2.5	Pass
	3.80	89	0.125352		
	3.23	54	0.076056		

LTE Band 17(16QAM):

LTE Band 17(5MHz):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	65	0.091549	±2.5	Pass
	3.80	92	0.129577		
	3.23	44	0.061972		
Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	63	0.088732	±2.5	Pass
	3.80	74	0.104225		
	3.23	70	0.098592		