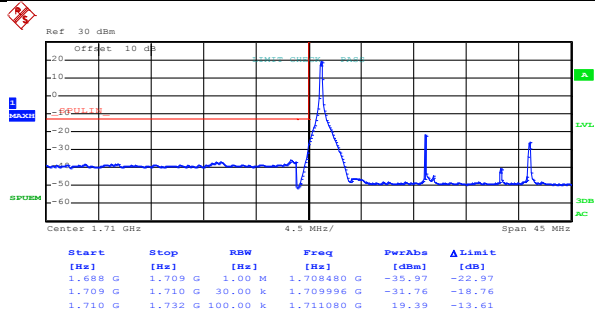


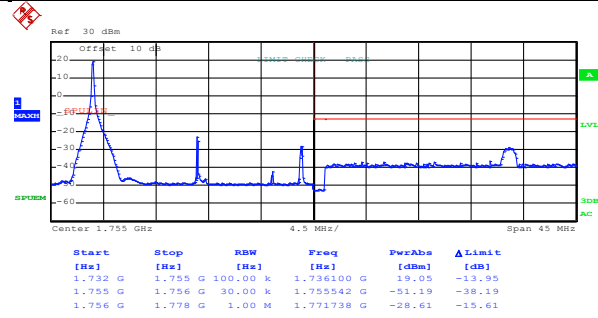
20MHz:

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



Date: 20.APR.2017 23:26:38

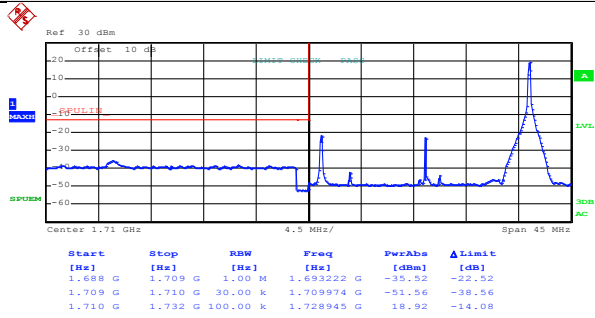
Lowest channel



Date: 20.APR.2017 23:28:05

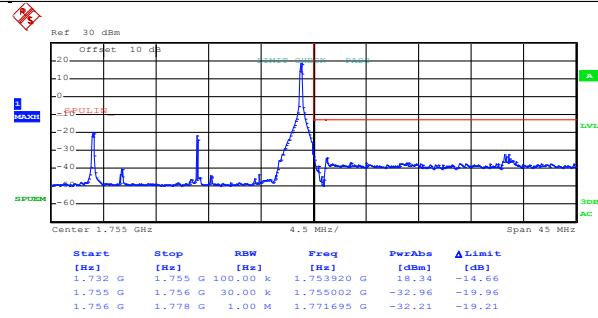
Highest channel

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



Date: 20.APR.2017 23:26:50

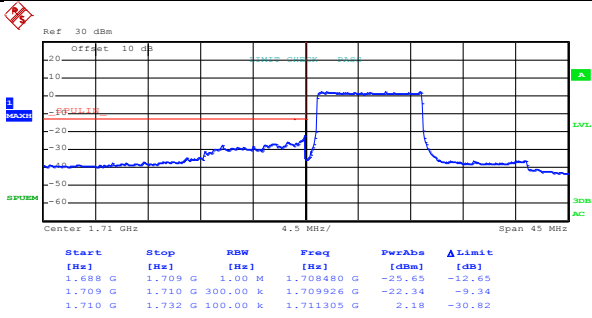
Lowest channel



Date: 20.APR.2017 23:28:18

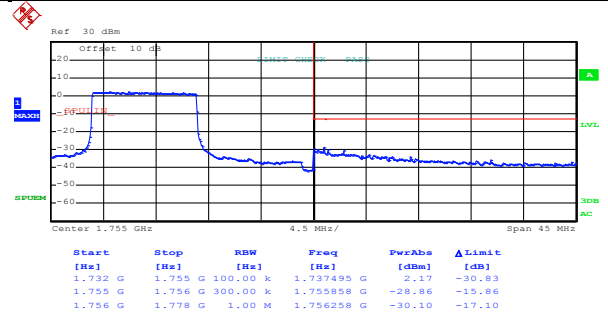
Highest channel

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



Date: 20.APR.2017 23:27:12

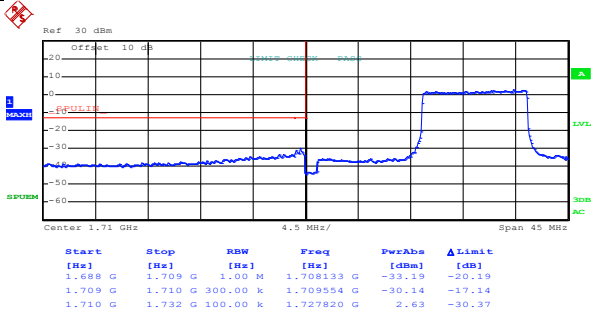
Lowest channel



Date: 20.APR.2017 23:28:40

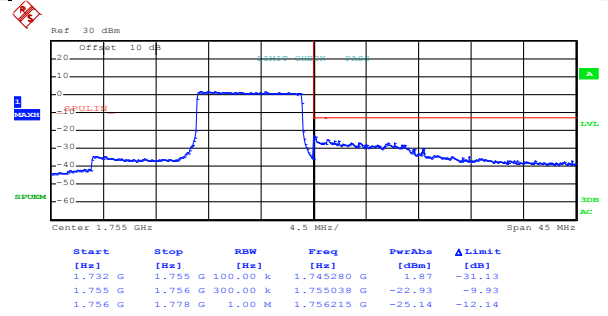
Highest channel

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



Date: 20.APR.2017 23:27:26

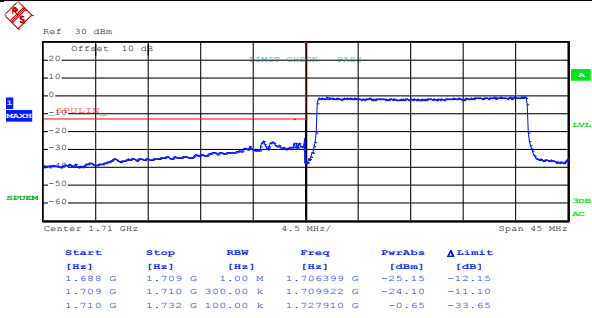
Lowest channel



Date: 20.APR.2017 23:28:57

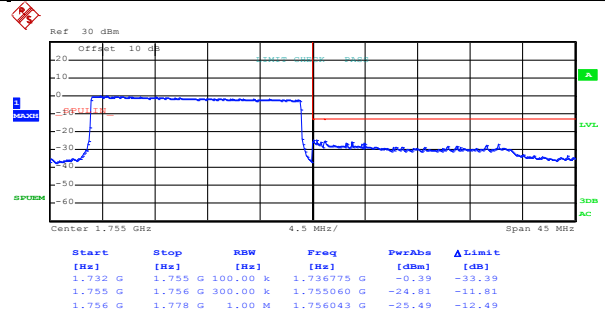
Highest channel

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



Date: 20.APR.2017 23:27:40

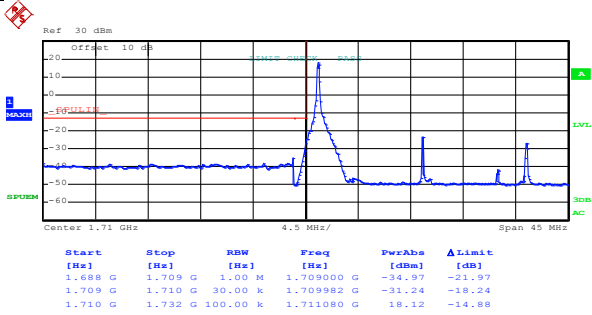
Lowest channel



Date: 20.APR.2017 23:29:12

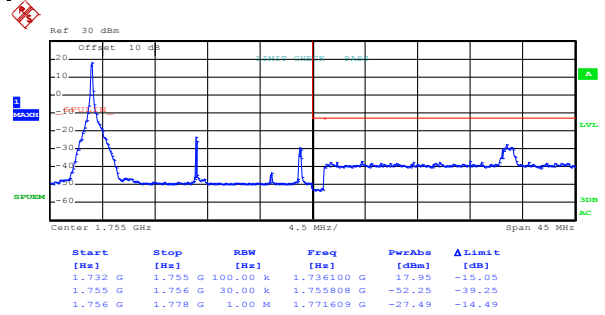
Highest channel

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



Date: 20.APR.2017 23:26:43

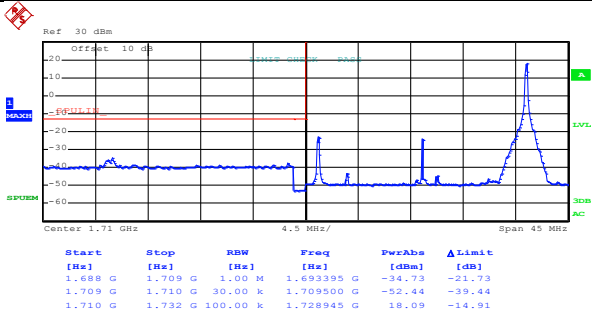
Lowest channel



Date: 20.APR.2017 23:28:11

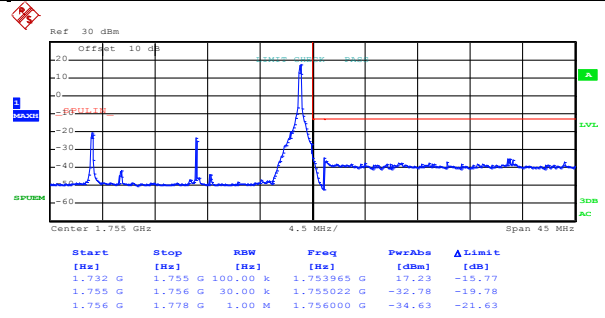
Highest channel

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



Date: 20.APR.2017 23:26:57

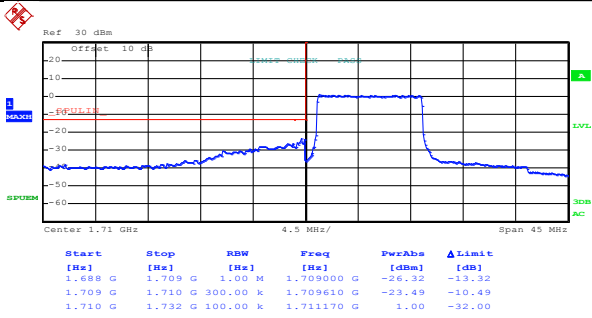
Lowest channel



Date: 20.APR.2017 23:28:26

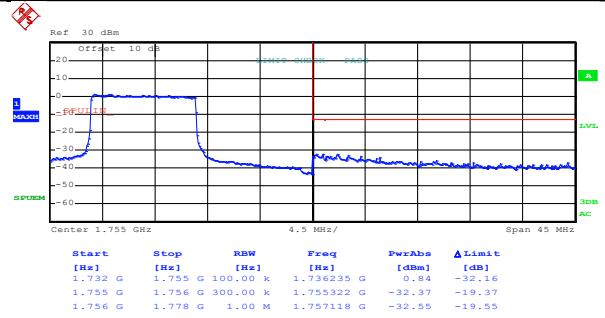
Highest channel

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



Date: 20.APR.2017 23:27:17

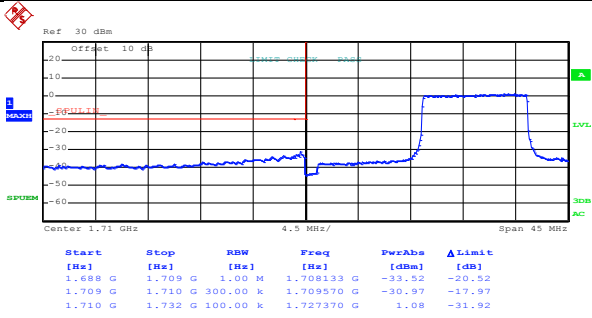
Lowest channel



Date: 20.APR.2017 23:28:47

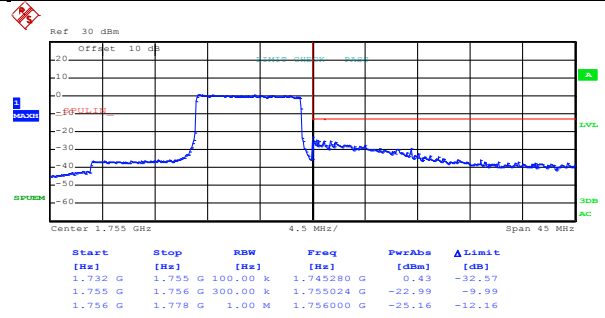
Highest channel

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



Date: 20.APR.2017 23:27:32

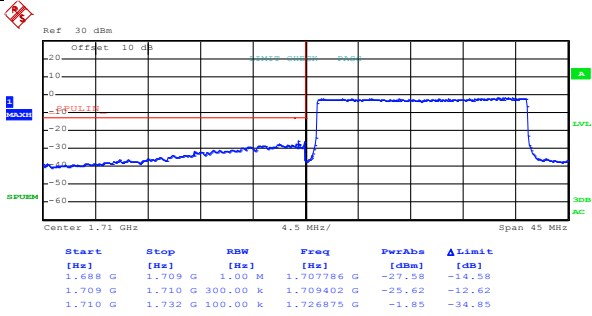
Lowest channel



Date: 20.APR.2017 23:29:04

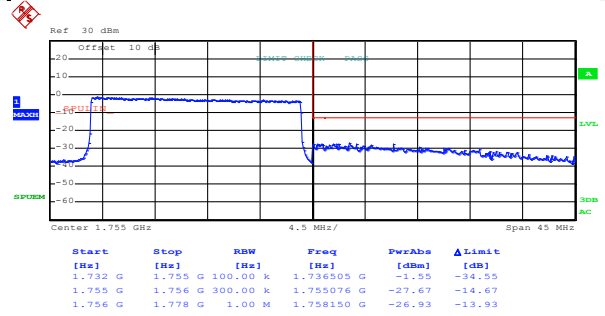
Highest channel

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



Date: 20.APR.2017 23:27:45

Lowest channel



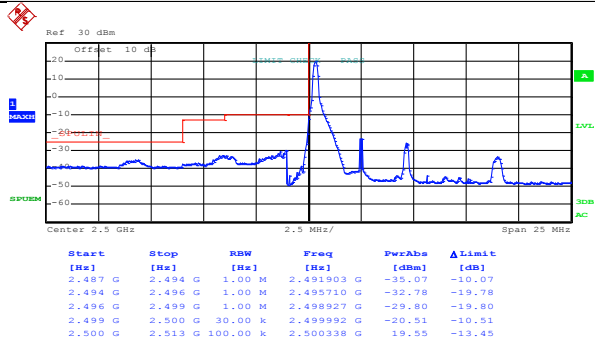
Date: 20.APR.2017 23:29:16

Highest channel

LTE band 7 part:

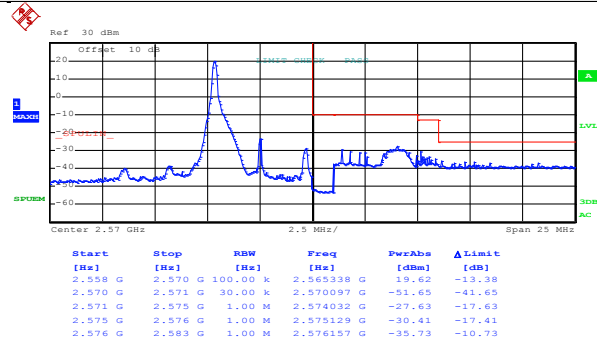
5MHz:

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



Date: 20.APR.2017 23:38:14

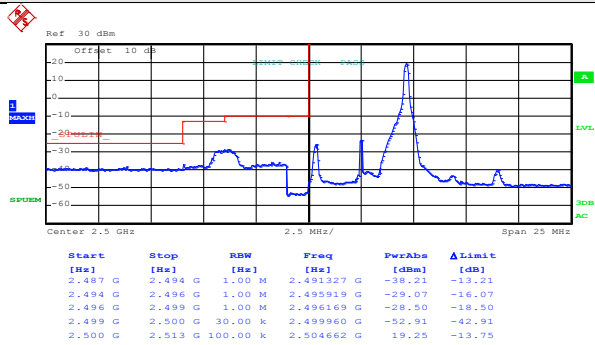
Lowest channel



Date: 20.APR.2017 23:39:52

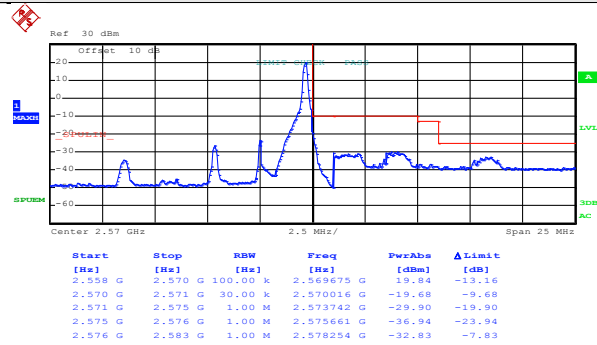
Highest channel

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



Date: 20.APR.2017 23:38:29

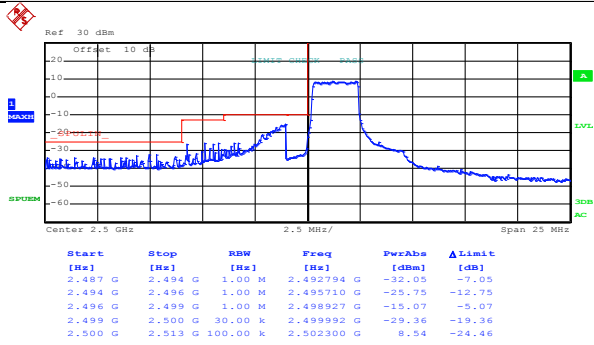
Lowest channel



Date: 20.APR.2017 23:40:10

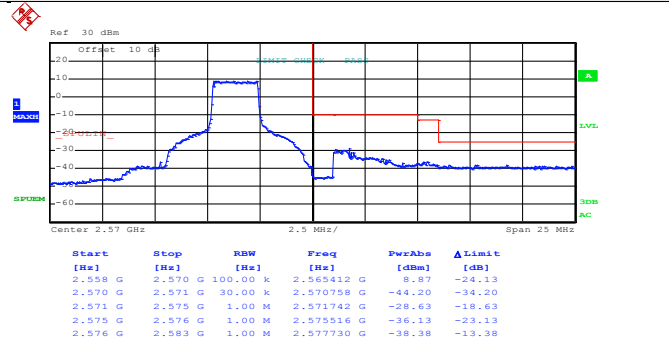
Highest channel

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



Date: 20.APR.2017 23:38:46

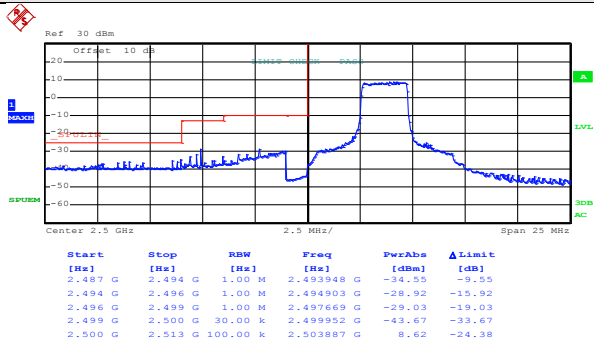
Lowest channel



Date: 20.APR.2017 23:40:25

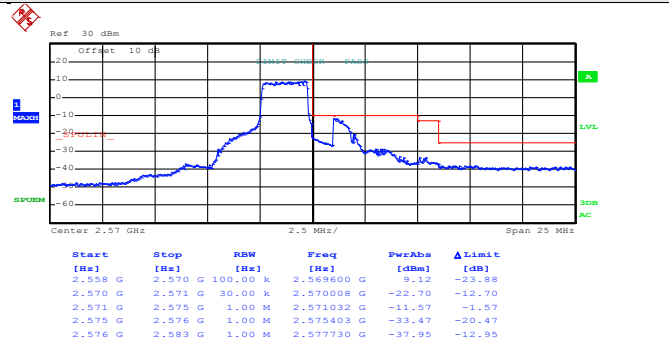
Highest channel

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



Date: 20.APR.2017 23:39:01

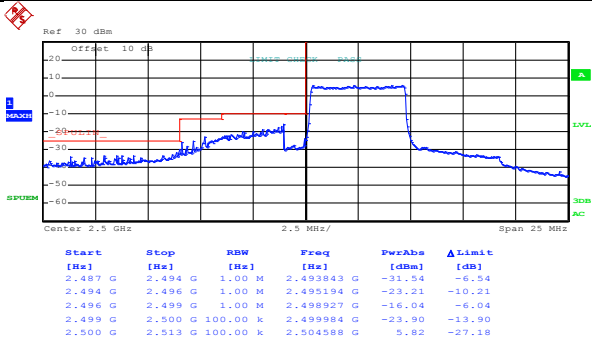
Lowest channel



Date: 20.APR.2017 23:40:40

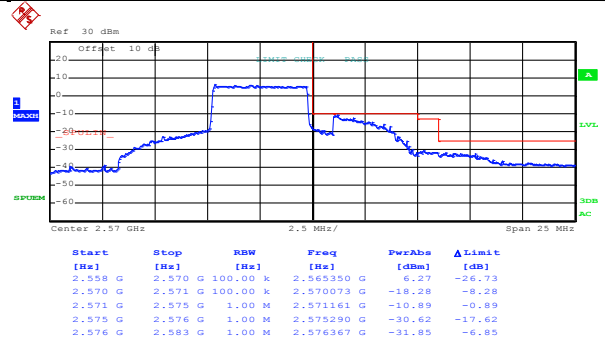
Highest channel

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



Date: 20.APR.2017 23:39:20

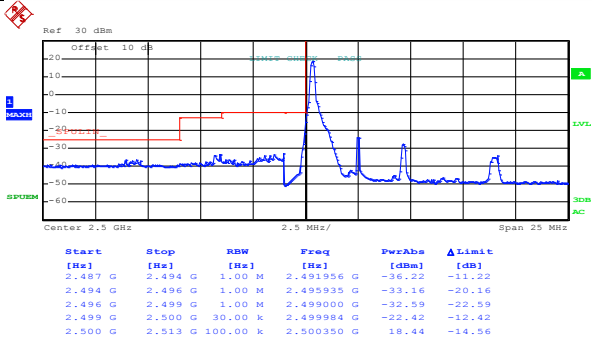
Lowest channel



Date: 20.APR.2017 23:41:00

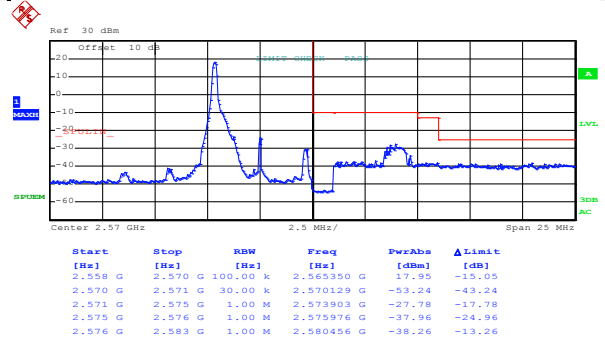
Highest channel

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



Date: 20.APR.2017 23:38:21

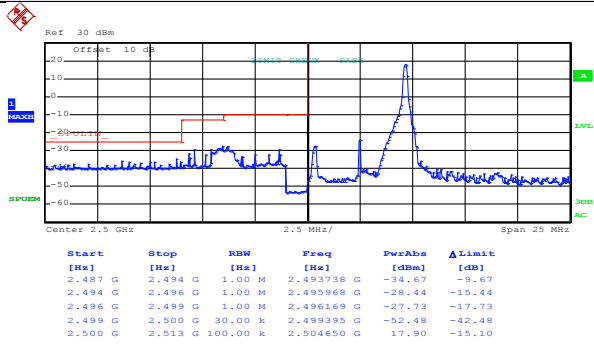
Lowest channel



Date: 20.APR.2017 23:39:57

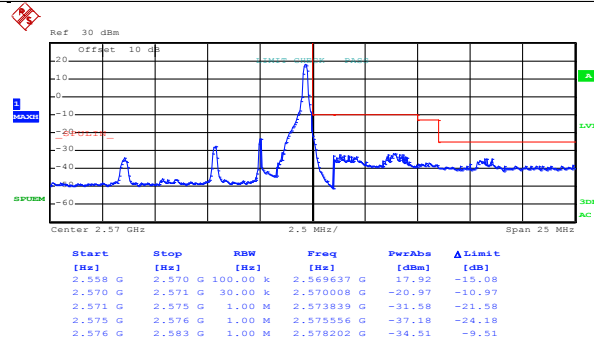
Highest channel

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



Date: 20.APR.2017 23:38:37

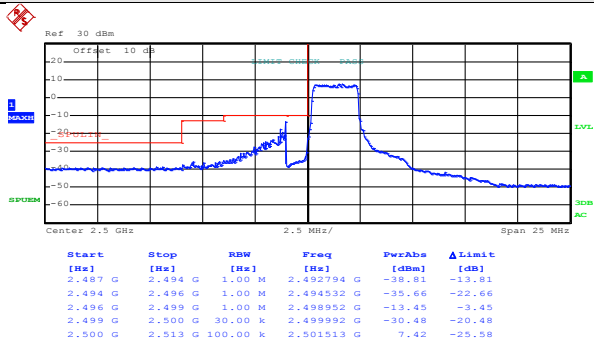
Lowest channel



Date: 20.APR.2017 23:40:17

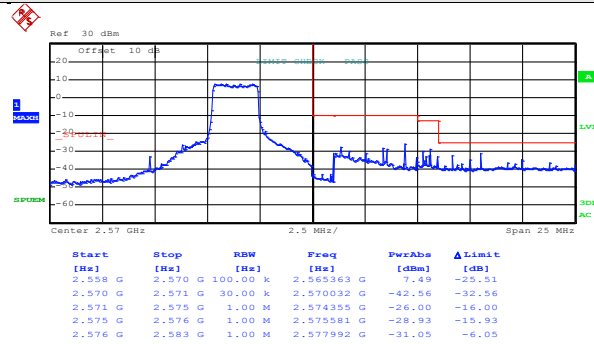
Highest channel

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



Date: 20.APR.2017 23:38:52

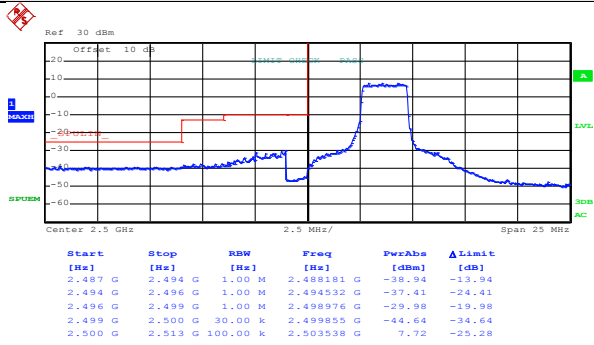
Lowest channel



Date: 20.APR.2017 23:40:32

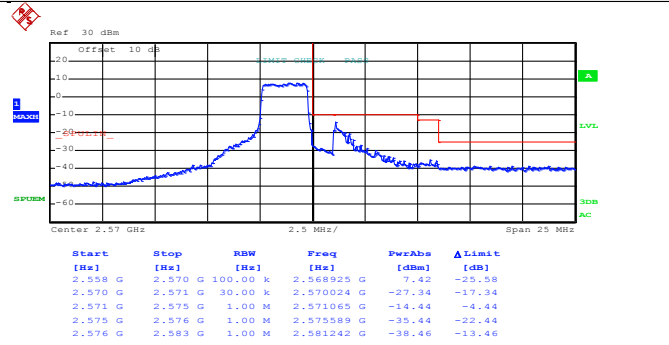
Highest channel

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



Date: 20.APR.2017 23:39:07

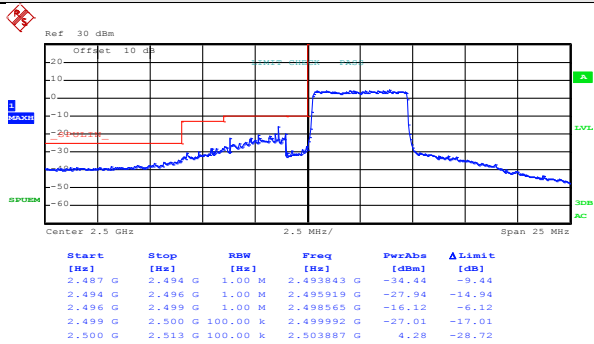
Lowest channel



Date: 20.APR.2017 23:40:46

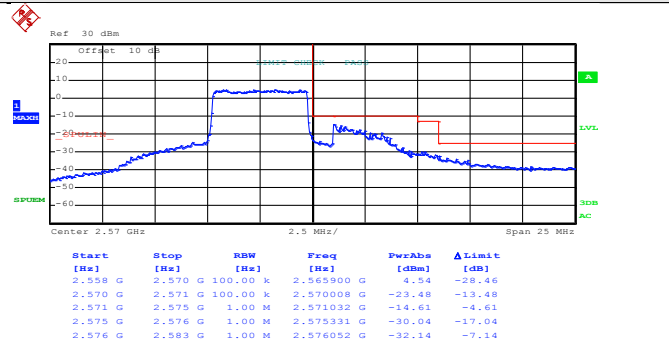
Highest channel

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



Date: 20.APR.2017 23:39:25

Lowest channel

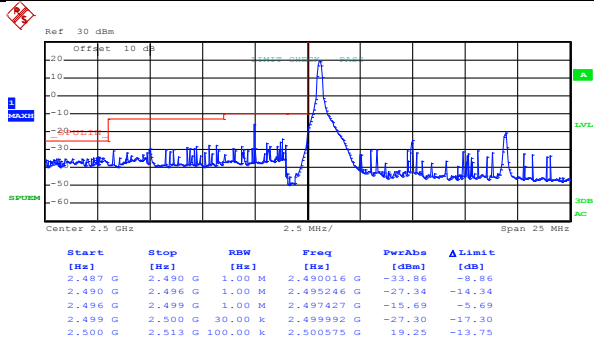


Date: 20.APR.2017 23:41:05

Highest channel

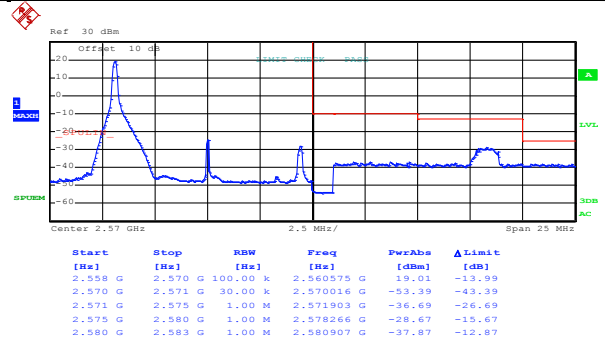
10MHz:

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



Date: 20.APR.2017 23:51:19

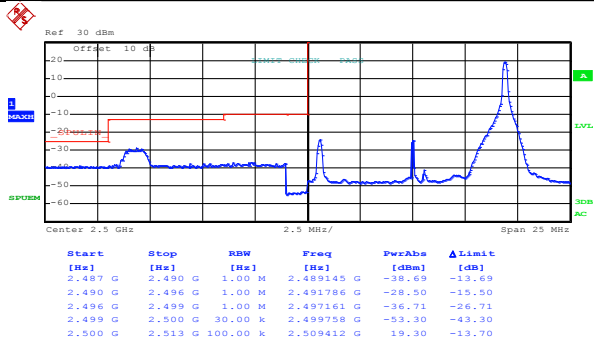
Lowest channel



Date: 20.APR.2017 23:53:06

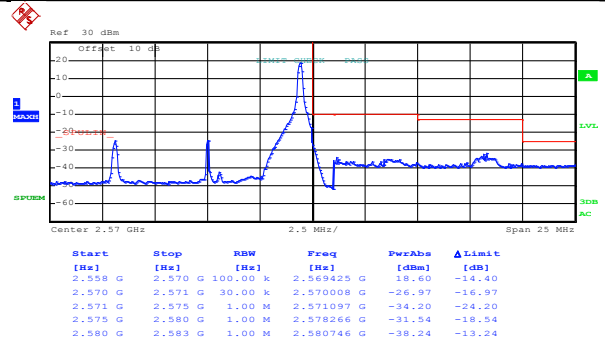
Highest channel

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



Date: 20.APR.2017 23:51:41

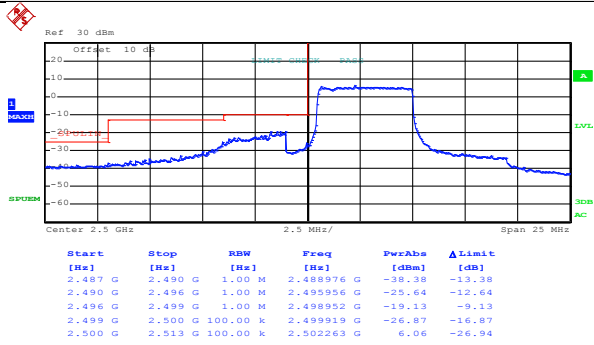
Lowest channel



Date: 20.APR.2017 23:53:20

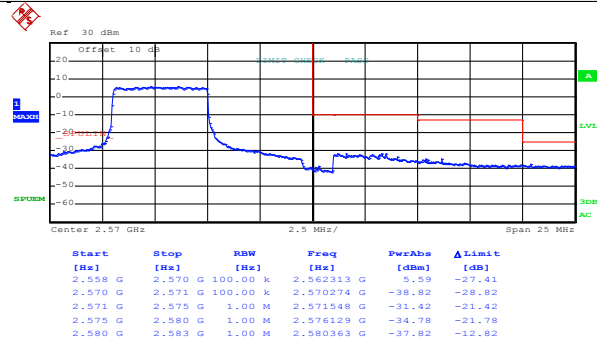
Highest channel

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



Date: 20.APR.2017 23:52:02

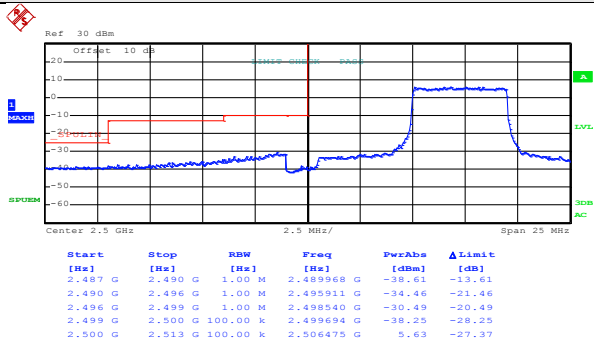
Lowest channel



Date: 20.APR.2017 23:53:41

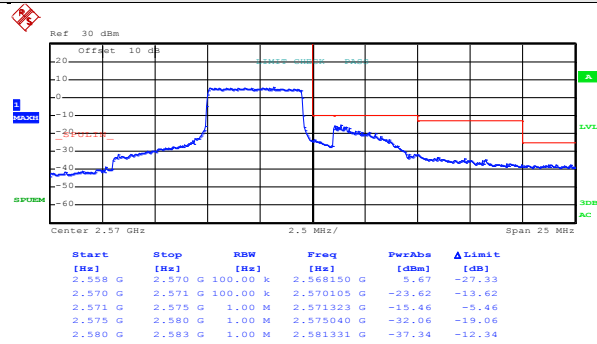
Highest channel

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



Date: 20.APR.2017 23:52:22

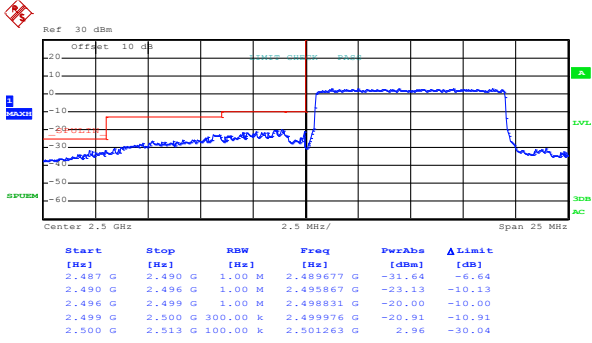
Lowest channel



Date: 20.APR.2017 23:53:58

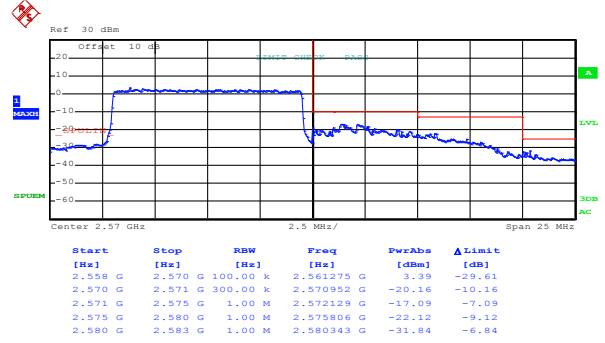
Highest channel

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



Date: 20.APR.2017 23:52:40

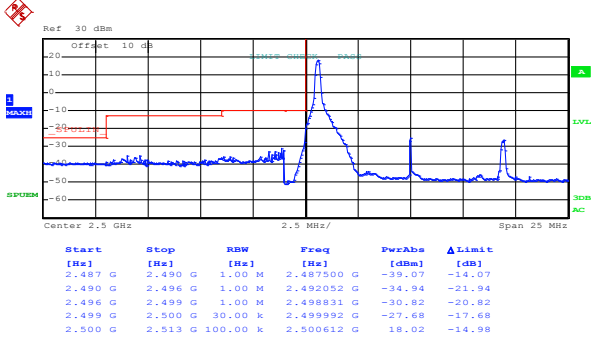
Lowest channel



Date: 20.APR.2017 23:54:17

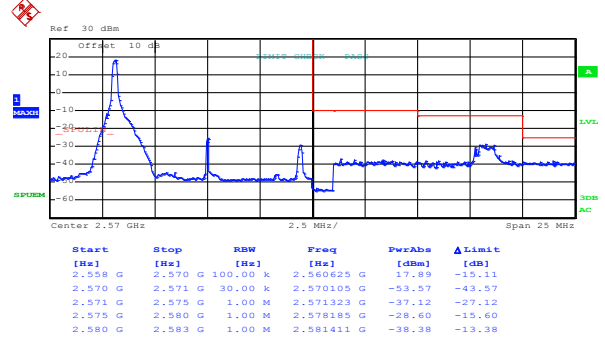
Highest channel

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



Date: 20.APR.2017 23:51:33

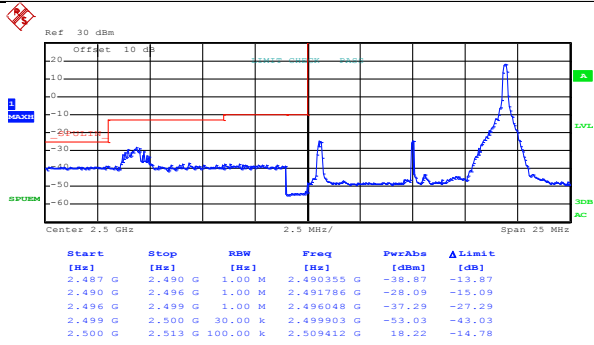
Lowest channel



Date: 20.APR.2017 23:53:11

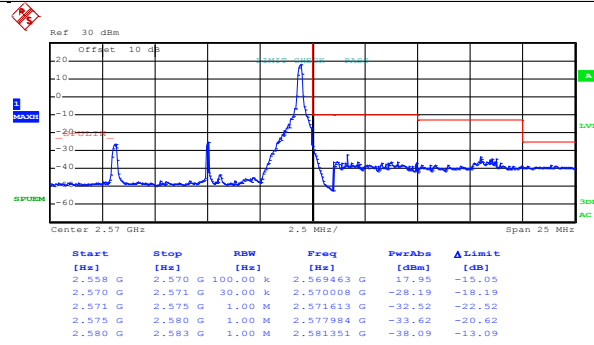
Highest channel

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



Date: 20.APR.2017 23:51:47

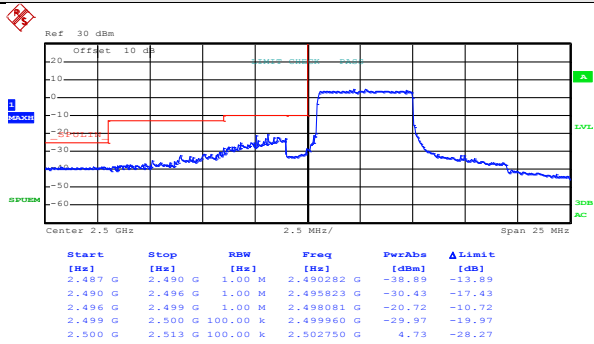
Lowest channel



Date: 20.APR.2017 23:53:27

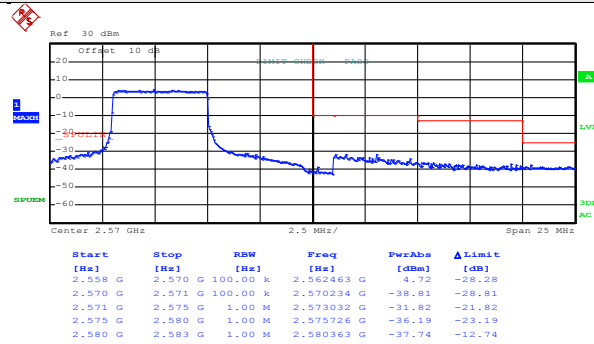
Highest channel

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



Date: 20.APR.2017 23:52:11

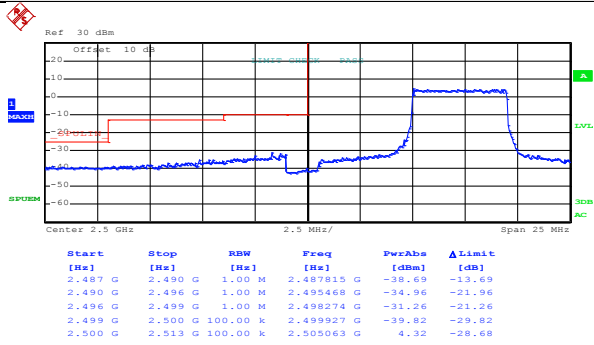
Lowest channel



Date: 20.APR.2017 23:53:47

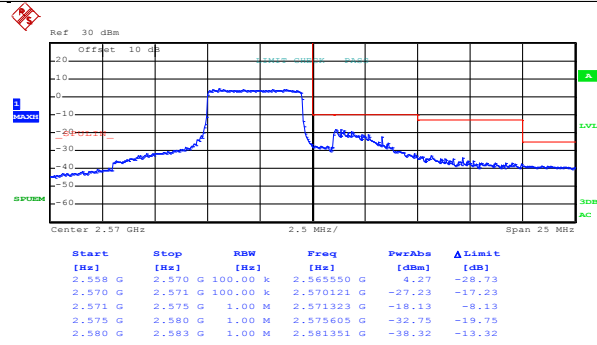
Highest channel

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



Date: 20.APR.2017 23:52:28

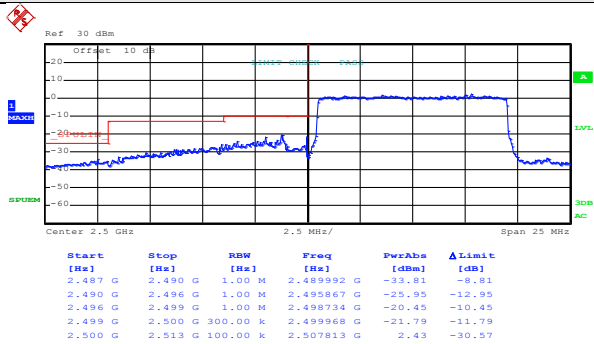
Lowest channel



Date: 20.APR.2017 23:54:04

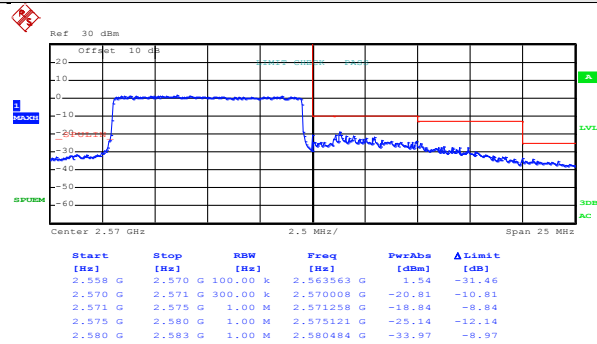
Highest channel

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



Date: 20.APR.2017 23:52:45

Lowest channel

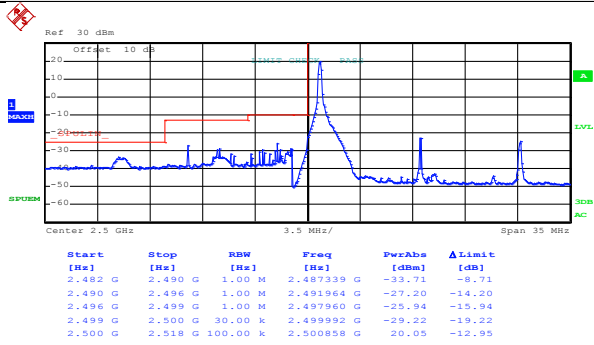


Date: 20.APR.2017 23:54:21

Highest channel

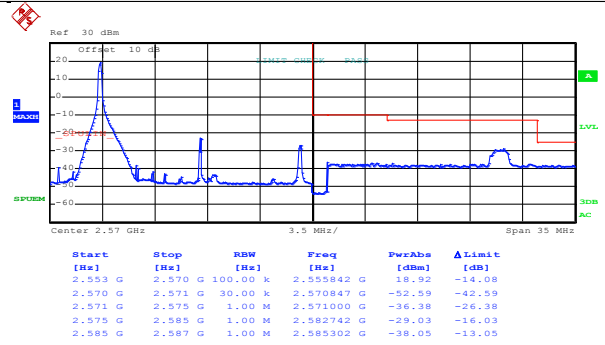
15MHz:

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



Date: 20.APR.2017 23:55:17

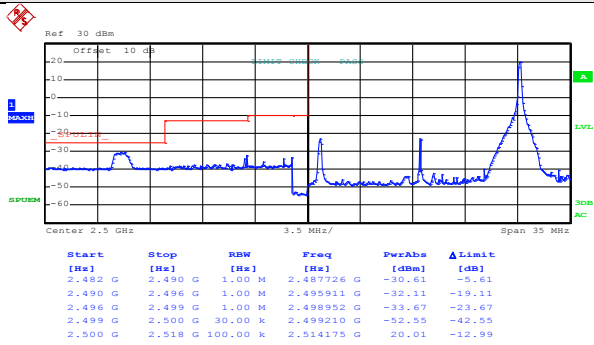
Lowest channel



Date: 20.APR.2017 23:57:16

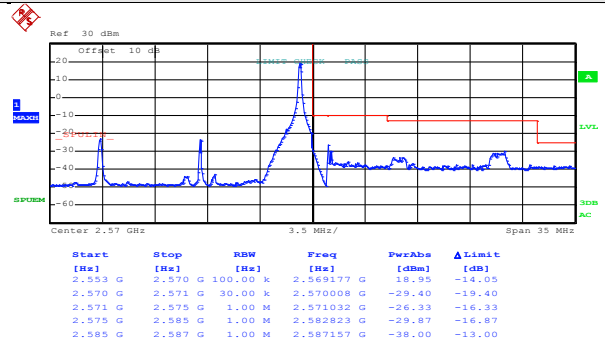
Highest channel

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



Date: 20.APR.2017 23:55:33

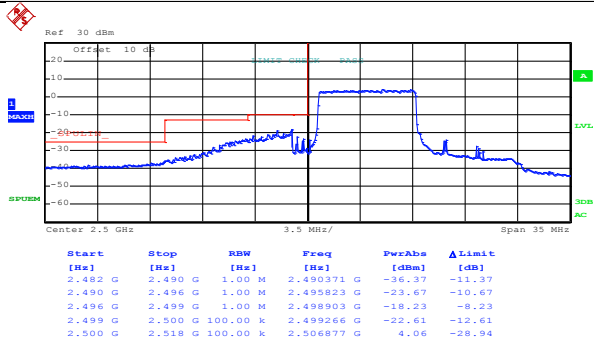
Lowest channel



Date: 20.APR.2017 23:57:29

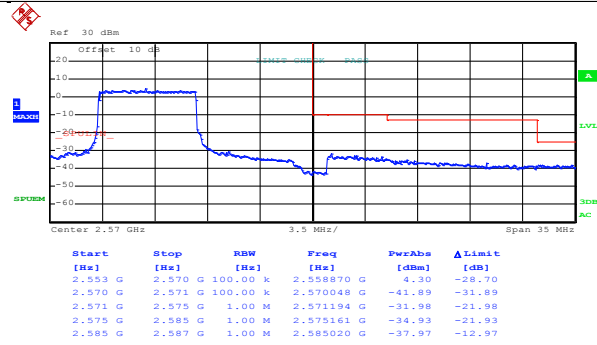
Highest channel

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



Date: 20.APR.2017 23:55:54

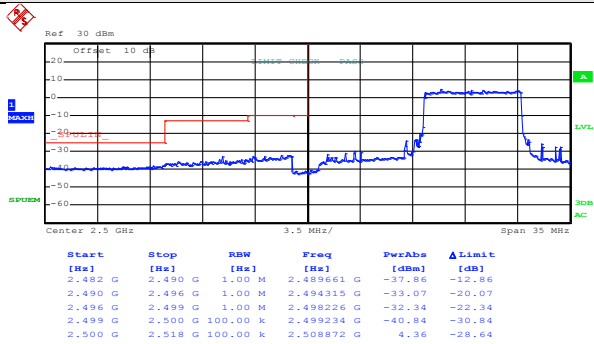
Lowest channel



Date: 20.APR.2017 23:57:49

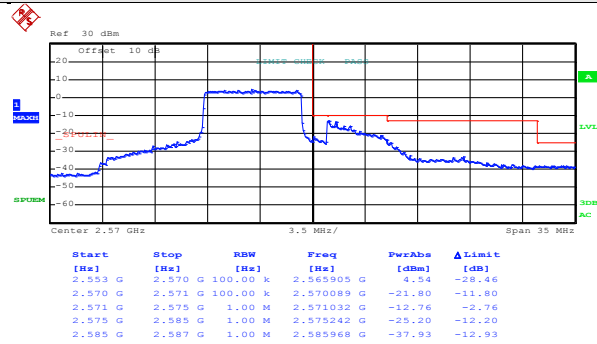
Highest channel

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



Date: 20.APR.2017 23:56:09

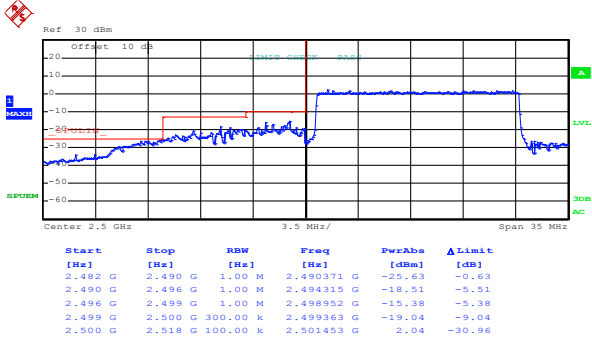
Lowest channel



Date: 20.APR.2017 23:58:03

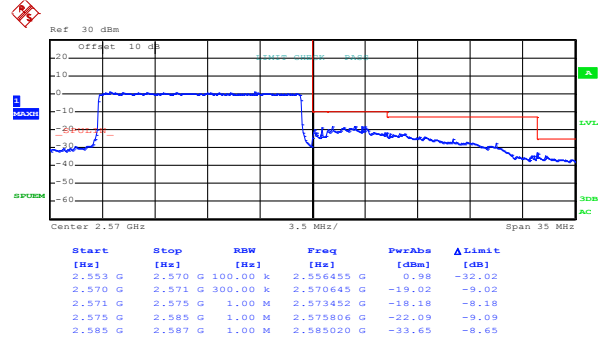
Highest channel

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



Date: 20.APR.2017 23:56:30

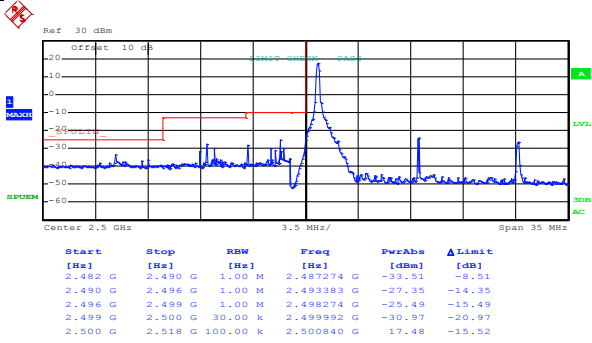
Lowest channel



Date: 20.APR.2017 23:58:21

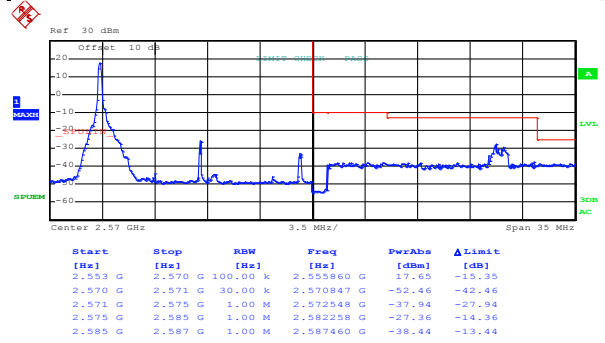
Highest channel

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



Date: 20.APR.2017 23:55:24

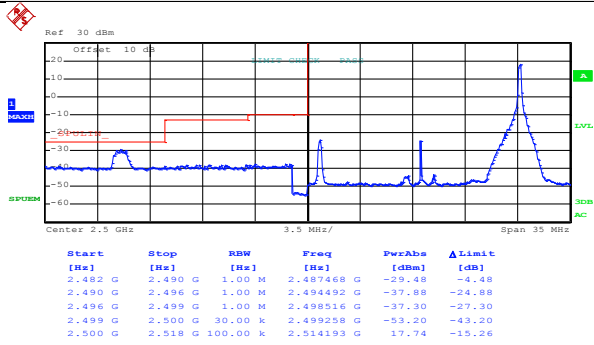
Lowest channel



Date: 20.APR.2017 23:57:22

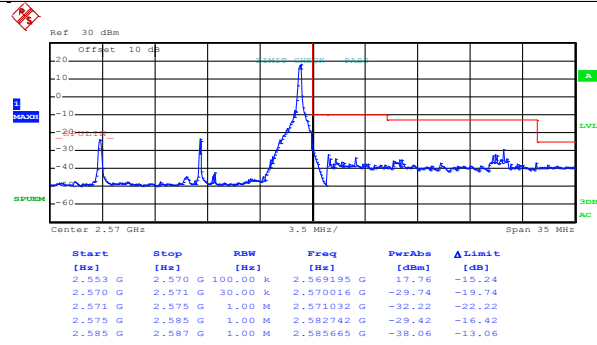
Highest channel

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



Date: 20.APR.2017 23:55:39

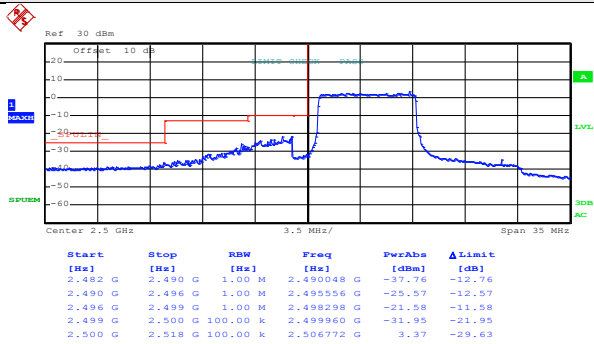
Lowest channel



Date: 20.APR.2017 23:57:35

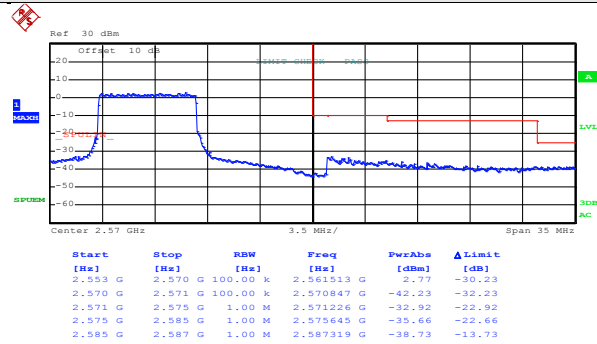
Highest channel

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



Date: 20.APR.2017 23:56:00

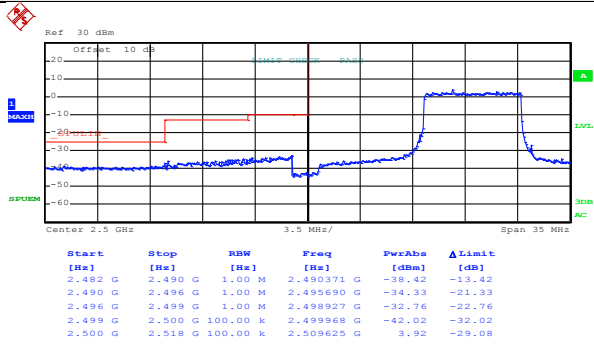
Lowest channel



Date: 20.APR.2017 23:57:55

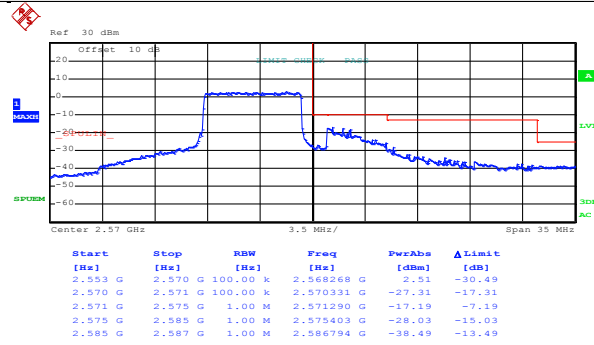
Highest channel

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



Date: 20.APR.2017 23:56:15

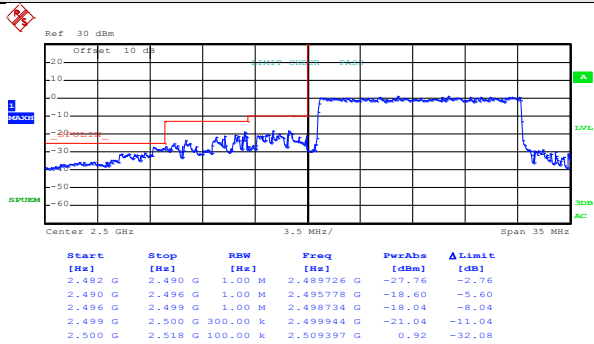
Lowest channel



Date: 20.APR.2017 23:58:09

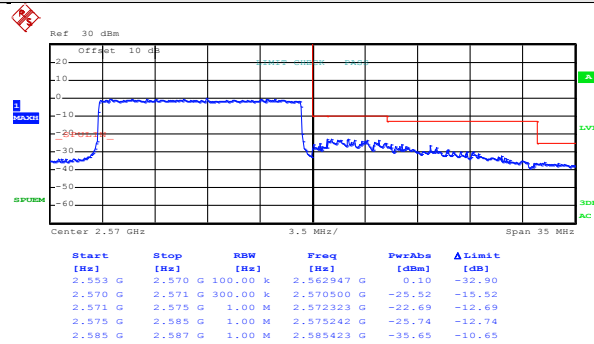
Highest channel

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



Date: 20.APR.2017 23:56:35

Lowest channel

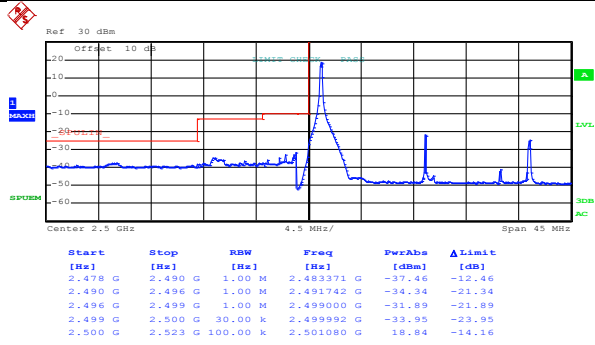


Date: 20.APR.2017 23:58:26

Highest channel

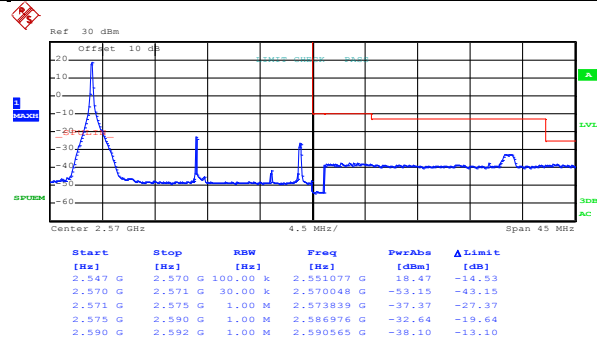
20MHz:

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



Date: 20.APR.2017 23:59:14

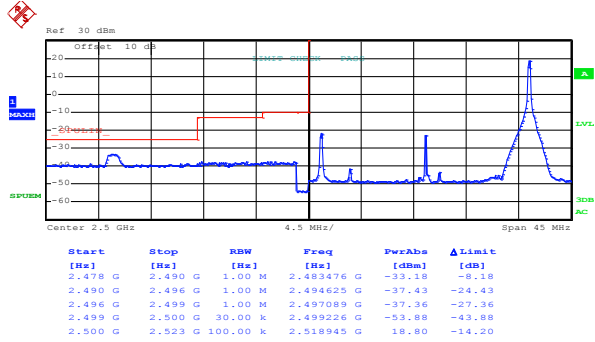
Lowest channel



Date: 21.APR.2017 00:00:47

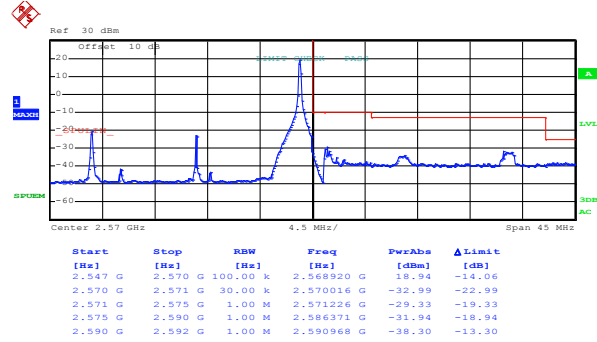
Highest channel

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



Date: 20.APR.2017 23:59:28

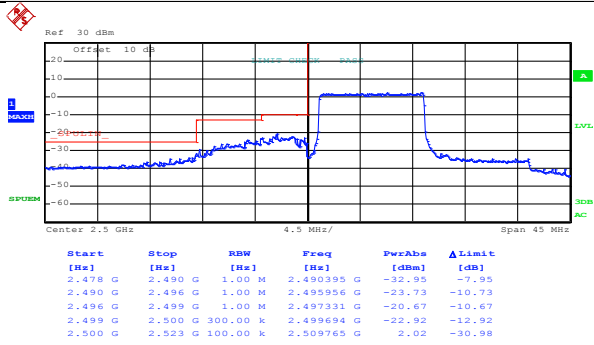
Lowest channel



Date: 21.APR.2017 00:01:01

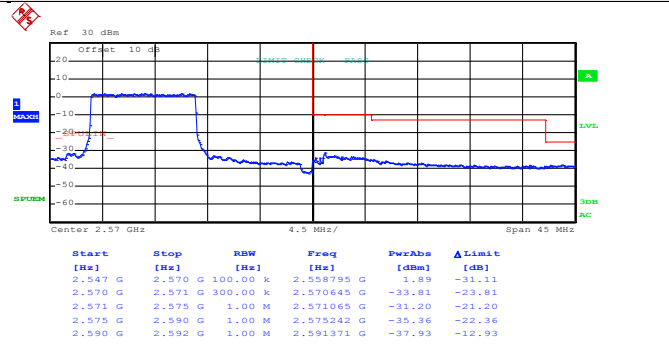
Highest channel

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



Date: 20.APR.2017 23:59:53

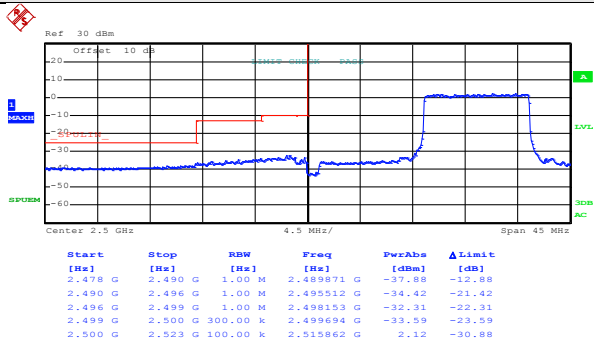
Lowest channel



Date: 21.APR.2017 00:01:24

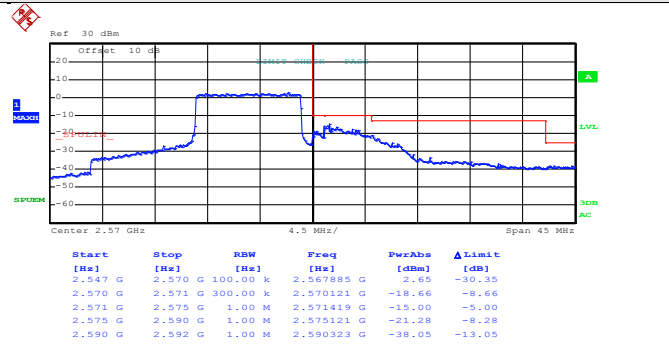
Highest channel

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



Date: 21.APR.2017 00:00:07

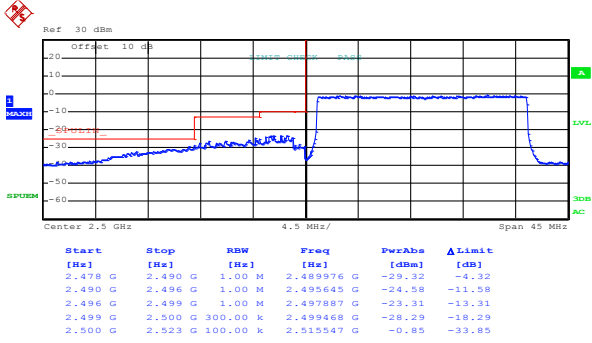
Lowest channel



Date: 21.APR.2017 00:01:39

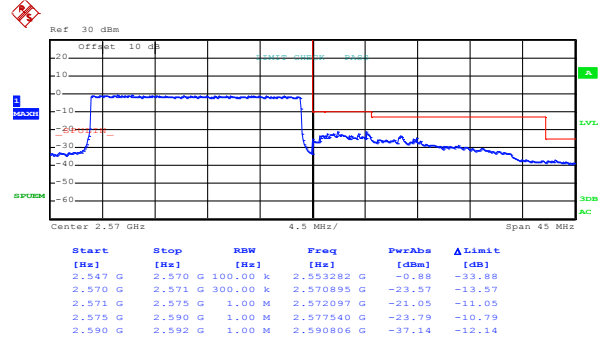
Highest channel

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



Date: 21.APR.2017 00:00:23

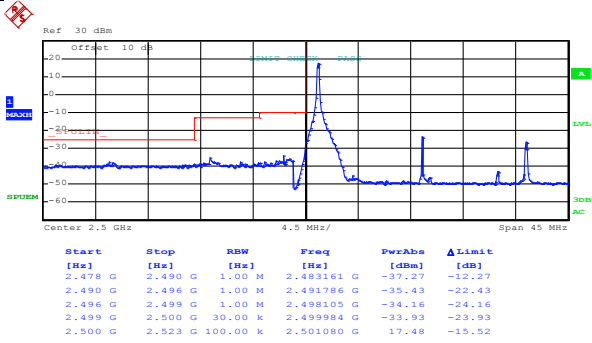
Lowest channel



Date: 21.APR.2017 00:01:54

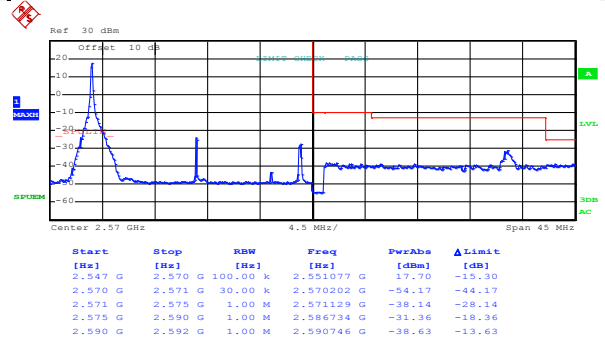
Highest channel

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



Date: 20.APR.2017 23:59:21

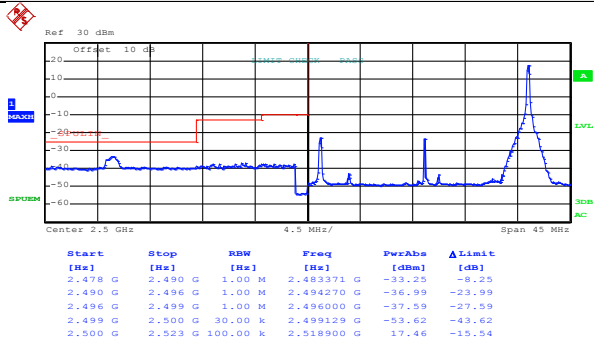
Lowest channel



Date: 21.APR.2017 00:00:53

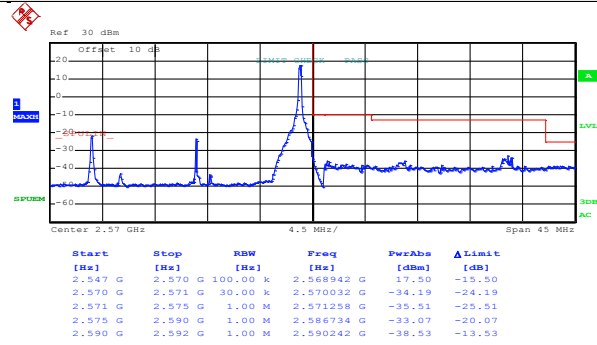
Highest channel

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



Date: 20.APR.2017 23:59:36

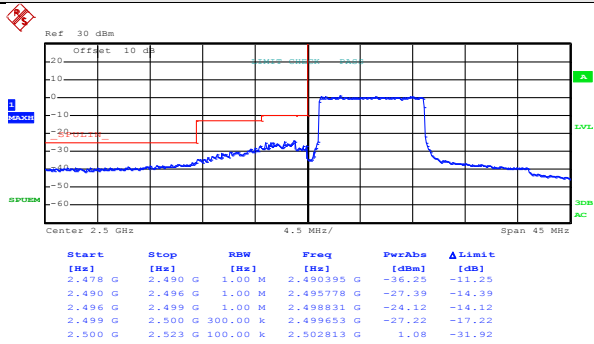
Lowest channel



Date: 21.APR.2017 00:01:07

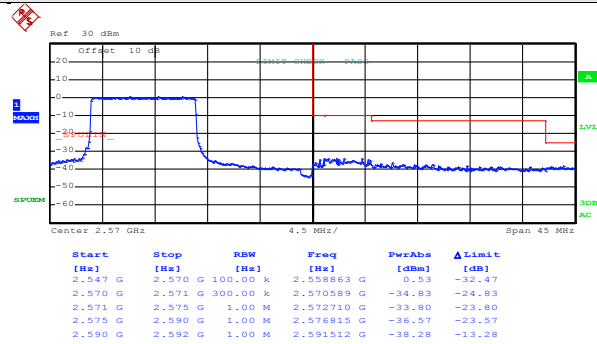
Highest channel

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



Date: 20.APR.2017 23:59:58

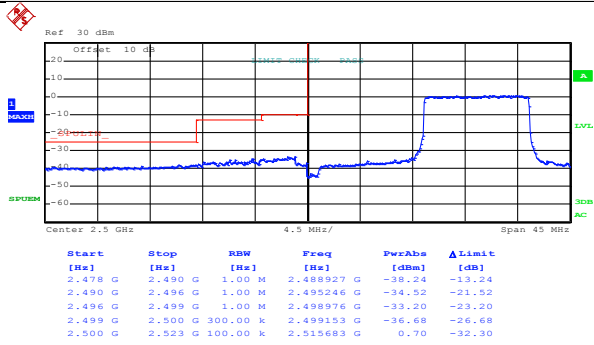
Lowest channel



Date: 21.APR.2017 00:01:30

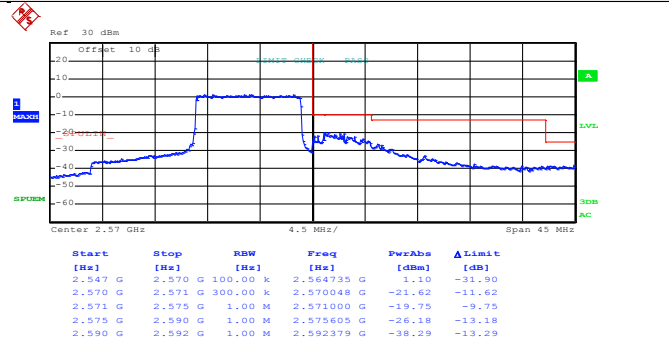
Highest channel

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



Date: 21.APR.2017 00:00:14

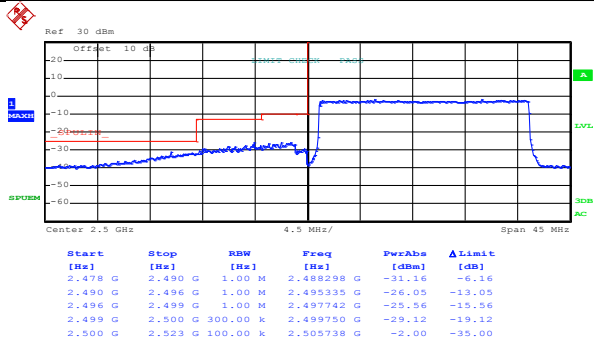
Lowest channel



Date: 21.APR.2017 00:01:46

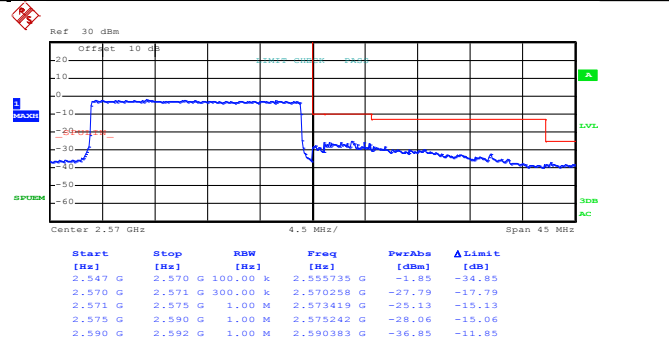
Highest channel

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



Date: 21.APR.2017 00:00:29

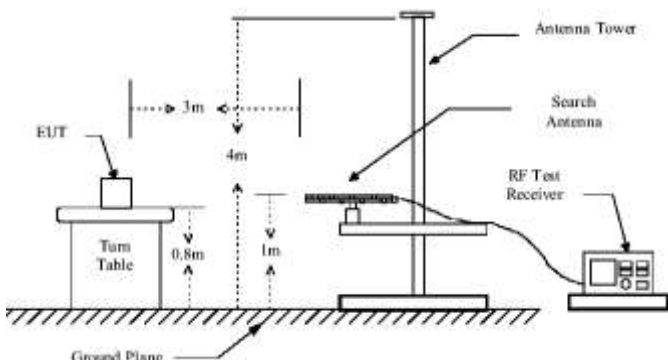
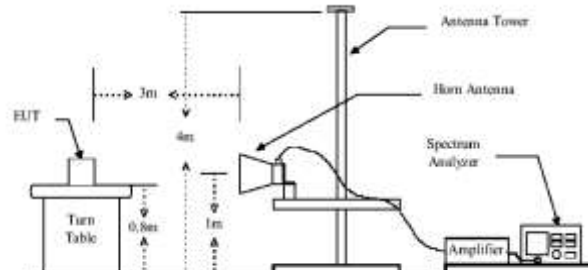
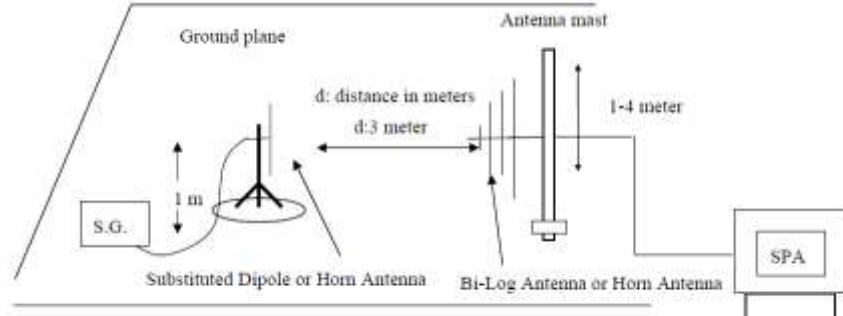
Lowest channel



Date: 21.APR.2017 00:01:58

Highest channel

6.10 ERP, EIRP Measurement

Test Requirement:	24.232 (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
Test setup:	<p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p> 

<p>Test Procedure:</p>	<ol style="list-style-type: none"> 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: $ERP = S.G. \text{ output (dBm) + Antenna Gain (dBd) - Cable Loss (dB)}$ 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: $EIRP = S.G. \text{ output (dBm) + Antenna Gain (dBi) - Cable Loss (dB)}$ 5. The worse case was relating to the conducted output power.
<p>Test Instruments:</p>	<p>Refer to section 5.8 for details</p>
<p>Test mode:</p>	<p>Refer to section 5.3 for details</p>
<p>Test results:</p>	<p>Passed</p>

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	20.10	33.00	Pass
					H	16.11		
1850.70	18607	16QAM	1.4	H	V	19.85		
					H	16.18		
1.4MHz(RB size 3 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	19.50	33.00	Pass
					H	16.30		
1850.70	18607	16QAM	1.4	H	V	19.96		
					H	16.36		
1.4MHz(RB size 6 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	19.08	33.00	Pass
					H	15.46		
1850.70	18607	16QAM	1.4	H	V	19.00		
					H	15.80		

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	20.18	33.00	Pass
					H	16.85		
1880.00	18900	16QAM	1.4	H	V	19.73		
					H	16.45		
1.4MHz(RB size 3 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	19.17	33.00	Pass
					H	16.15		
1880.00	18900	16QAM	1.4	H	V	19.39		
					H	16.37		
1.4MHz(RB size 6 & RB offset 0)								
1880.00	18900	QPSK	1.40	H	V	19.21	33.00	Pass
					H	15.39		
1880.00	18900	16QAM	1.40	H	V	19.21		
					H	15.85		

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	20.73	33.00	Pass
					H	16.41		
1909.30	19193	16QAM	1.4	H	V	19.37		
					H	16.39		
1.4MHz(RB size 3 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	19.21	33.00	Pass
					H	16.15		
1909.30	19193	16QAM	1.4	H	V	19.57		
					H	16.47		
1.4MHz(RB size 6 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	19.82	33.00	Pass
					H	15.85		
1909.30	19193	16QAM	1.4	H	V	19.25		
					H	15.47		

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	20.85	33.00	Pass
					H	16.73		
1860.00	18700	16QAM	20	H	V	19.82		
					H	16.45		
20MHz(RB size 50 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	19.41	33.00	Pass
					H	16.45		
1860.00	18700	16QAM	20	H	V	19.41		
					H	16.82		
20MHz(RB size 100 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	19.73	33.00	Pass
					H	15.37		
1860.00	18700	16QAM	20	H	V	19.41		
					H	15.85		

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	20.73	33.00	Pass
					H	16.37		
1880.00	18900	16QAM	20	H	V	19.45		
					H	16.17		
20MHz(RB size 50 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	19.39	33.00	Pass
					H	16.37		
1880.00	18900	16QAM	20	H	V	19.21		
					H	16.93		
20MHz(RB size 100 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	19.71	33.00	Pass
					H	15.85		
1880.00	18900	16QAM	20	H	V	19.77		
					H	15.12		

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	20.41	33.00	Pass
					H	16.15		
1900.00	19100	16QAM	20	H	V	19.33		
					H	16.01		
20MHz(RB size 50 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	19.21	33.00	Pass
					H	16.01		
1900.00	19100	16QAM	20	H	V	19.37		
					H	16.15		
20MHz(RB size 100 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	19.17	33.00	Pass
					H	15.39		
1900.00	19100	16QAM	20	H	V	19.21		
					H	15.27		

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	20.23	30.00	Pass
					H	17.80		
1710.70	19957	16QAM	1.4	H	V	20.20		
					H	17.98		
1.4MHz(RB size 3 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	20.39	30.00	Pass
					H	17.95		
1710.70	19957	16QAM	1.4	H	V	20.27		
					H	18.00		
1.4MHz(RB size 6 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	19.10	30.00	Pass
					H	16.76		
1710.70	19957	16QAM	1.4	H	V	18.97		
					H	17.08		

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	20.17	30.00	Pass
					H	17.71		
1732.50	20175	16QAM	1.4	H	V	20.22		
					H	17.37		
1.4MHz(RB size 3 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	20.77	30.00	Pass
					H	17.10		
1732.50	20175	16QAM	1.4	H	V	20.34		
					H	18.18		
1.4MHz(RB size 6 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	19.97	30.00	Pass
					H	16.39		
1732.50	20175	16QAM	1.4	H	V	18.01		
					H	17.04		

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	20.18	30.00	Pass
					H	17.37		
1754.30	20393	16QAM	1.4	H	V	20.04		
					H	17.18		
1.4MHz(RB size 3 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	20.04	30.00	Pass
					H	17.39		
1754.30	20393	16QAM	1.4	H	V	20.37		
					H	18.47		
1.4MHz(RB size 6 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	19.41	30.00	Pass
					H	16.37		
1754.30	20393	16QAM	1.4	H	V	18.34		
					H	17.17		

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	20.22	30.00	Pass
					H	17.42		
1720.00	20050	16QAM	20	H	V	20.37		
					H	17.71		
20MHz(RB size 50 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	20.34	30.00	Pass
					H	17.37		
1720.00	20050	16QAM	20	H	V	20.18		
					H	18.22		
20MHz(RB size 100 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	19.44	30.00	Pass
					H	16.18		
1720.00	20050	16QAM	20	H	V	18.10		
					H	17.34		

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	20.34	30.00	Pass
					H	17.37		
1732.50	20175	16QAM	20	H	V	20.97		
					H	17.01		
20MHz(RB size 50 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	20.18	30.00	Pass
					H	17.33		
1732.50	20175	16QAM	20	H	V	20.04		
					H	18.37		
20MHz(RB size 100 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	19.97	30.00	Pass
					H	16.04		
1732.50	20175	16QAM	20	H	V	18.33		
					H	17.41		

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	20.37	30.00	Pass
					H	17.81		
1745.00	20300	16QAM	20	H	V	20.79		
					H	17.41		
20MHz(RB size 50 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	20.44	30.00	Pass
					H	17.22		
1745.00	20300	16QAM	20	H	V	20.41		
					H	18.39		
20MHz(RB size 100 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	19.01	30.00	Pass
					H	16.39		
1745.00	20300	16QAM	20	H	V	18.37		
					H	17.47		

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	17.03	33.00	Pass
					H	10.13		
2502.50	20775	16QAM	5	H	V	16.14		
					H	9.86		
5MHz(RB size 12& RB offset 0)								
2502.50	20775	QPSK	5	H	V	16.51	33.00	Pass
					H	9.87		
2502.50	20775	16QAM	5	H	V	16.92		
					H	9.80		
5MHz(RB size 25& RB offset 0)								
2502.50	20775	QPSK	5	H	V	16.59	33.00	Pass
					H	10.14		
2502.50	20775	16QAM	5	H	V	16.26		
					H	10.24		

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	17.02	33.00	Pass
					H	10.82		
2535.00	21100	16QAM	5	H	V	16.75		
					H	9.82		
5MHz(RB size 12& RB offset 0)								
2535.00	21100	QPSK	5	H	V	16.39	33.00	Pass
					H	9.82		
2535.00	21100	16QAM	5	H	V	16.48		
					H	9.62		
5MHz(RB size 25& RB offset 0)								
2535.00	21100	QPSK	5	H	V	16.93	33.00	Pass
					H	10.75		
2535.00	21100	16QAM	5	H	V	16.37		
					H	10.01		

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	16.96	33.00	Pass
					H	10.26		
2567.50	21425	16QAM	5	H	V	16.01		
					H	9.16		
5MHz(RB size 12& RB offset 0)								
2567.50	21425	QPSK	5	H	V	16.82	33.00	Pass
					H	9.39		
2567.50	21425	16QAM	5	H	V	16.39		
					H	9.35		
5MHz(RB size 25& RB offset 0)								
2567.50	21425	QPSK	5	H	V	16.48	33.00	Pass
					H	10.26		
2567.50	21425	16QAM	5	H	V	16.01		
					H	10.75		

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	16.52	33.00	Pass
					H	10.83		
2510.00	20850	16QAM	20	H	V	16.48		
					H	9.83		
20MHz(RB size 50 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	16.24	33.00	Pass
					H	9.28		
2510.00	20850	16QAM	20	H	V	16.23		
					H	9.39		
20MHz(RB size 100 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	16.02	33.00	Pass
					H	10.48		
2510.00	20850	16QAM	20	H	V	16.39		
					H	10.24		

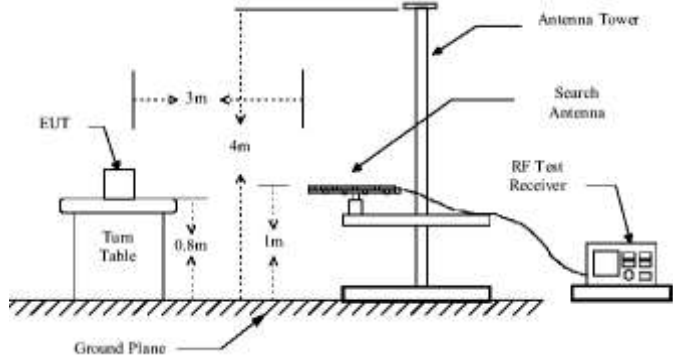
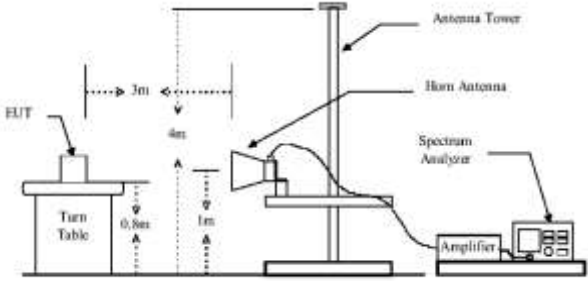
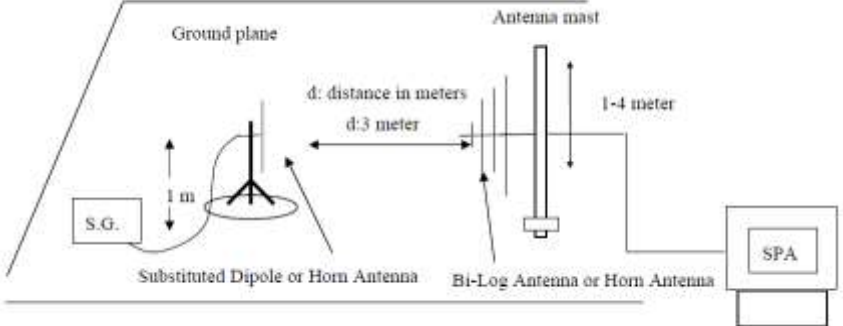
Middle channel

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	16.59	33.00	Pass
					H	10.16		
2535.00	21100	16QAM	20	H	V	16.82		
					H	9.26		
20MHz(RB size 50 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	16.39	33.00	Pass
					H	9.61		
2535.00	21100	16QAM	20	H	V	16.37		
					H	9.75		
20MHz(RB size 100 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	16.42	33.00	Pass
					H	10.39		
2535.00	21100	16QAM	20	H	V	16.28		
					H	10.75		

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	16.76	33.00	Pass
					H	10.83		
2560.00	21350	16QAM	20	H	V	16.83		
					H	9.52		
20MHz(RB size 50 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	16.76	33.00	Pass
					H	9.42		
2560.00	21350	16QAM	20	H	V	16.28		
					H	9.25		
20MHz(RB size 100 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	16.26	33.00	Pass
					H	10.57		
2560.00	21350	16QAM	20	H	V	16.66		
					H	10.13		

6.11 Field strength of spurious radiation measurement

Test Requirement:	Part 24.238 (a), 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:	<p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p> 
Test Procedure:	<ol style="list-style-type: none"> 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

	<p>was determined using the substitution method.</p> <p>4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.</p> $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
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

Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3701.40	Vertical	-40.98	-13.00	Pass
5552.10	V	-44.88		
7402.00	V	-40.85		
3701.40	Horizontal	-46.58		
5552.10	H	-43.59		
7402.00	H	-38.48		
Middle				
3760.00	Vertical	-50.27	-13.00	Pass
5640.00	V	-44.74		
7520.00	V	-40.32		
3760.00	Horizontal	-50.43		
5640.00	H	-44.18		
7520.00	H	-39.74		
Highest				
3816.60	Vertical	-46.32	-13.00	Pass
5724.90	V	-44.08		
7633.20	V	-39.17		
3816.60	Horizontal	-49.48		
5724.90	H	-45.43		
7633.20	H	-38.94		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3703.00	Vertical	-40.36	-13.00	Pass
5554.50	V	-44.17		
7406.00	V	-40.13		
3703.00	Horizontal	-46.48		
5554.50	H	-43.36		
7406.00	H	-38.76		
Middle				
3760.00	Vertical	-50.45	-13.00	Pass
5640.00	V	-44.35		
7520.00	V	-40.15		
3760.00	Horizontal	-50.49		
5640.00	H	-44.18		
7520.00	H	-39.55		
Highest				
3817.00	Vertical	-46.37	-13.00	Pass
5725.50	V	-44.38		
7634.00	V	-39.34		
3817.00	Horizontal	-49.25		
5725.50	H	-45.36		
7634.00	H	-38.42		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3705.00	Vertical	-40.30	-13.00	Pass
5557.50	V	-44.85		
7410.00	V	-40.68		
3705.00	Horizontal	-46.12		
5557.50	H	-43.33		
7410.00	H	-38.12		
Middle				
3760.00	Vertical	-50.64	-13.00	Pass
5640.00	V	-44.50		
7520.00	V	-40.53		
3760.00	Horizontal	-50.42		
5640.00	H	-44.68		
7520.00	H	-39.79		
Highest				
3815.00	Vertical	-46.57	-13.00	Pass
5722.50	V	-44.53		
7630.00	V	-39.74		
3815.00	Horizontal	-49.57		
5722.50	H	-45.33		
7630.00	H	-38.18		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3710.00	Vertical	-40.56	-13.00	Pass
5565.00	V	-44.57		
7420.00	V	-40.41		
3710.00	Horizontal	-46.21		
5565.00	H	-43.49		
7420.00	H	-38.25		
Middle				
3760.00	Vertical	-50.38	-13.00	Pass
5640.00	V	-44.42		
7520.00	V	-40.36		
3760.00	Horizontal	-50.49		
5640.00	H	-44.44		
7520.00	H	-39.95		
Highest				
3810.00	Vertical	-46.68	-13.00	Pass
5715.00	V	-44.76		
7620.00	V	-39.42		
3810.00	Horizontal	-49.13		
5715.00	H	-45.50		
7620.00	H	-38.42		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3715.00	Vertical	-40.38	-13.00	Pass
5572.50	V	-44.15		
7430.00	V	-40.57		
3715.00	Horizontal	-46.33		
5572.50	H	-43.76		
7430.00	H	-38.64		
Middle				
3760.00	Vertical	-50.42	-13.00	Pass
5640.00	V	-44.68		
7520.00	V	-40.13		
3760.00	Horizontal	-50.53		
5640.00	H	-44.41		
7520.00	H	-39.43		
Highest				
3805.00	Vertical	-46.64	-13.00	Pass
5707.50	V	-44.42		
7610.00	V	-39.46		
3805.00	Horizontal	-39.12		
5707.50	H	-45.31		
7610.00	H	-38.26		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3720.00	Vertical	-40.15	-13.00	Pass
5580.00	V	-44.49		
7440.00	V	-40.12		
3720.00	Horizontal	-46.49		
5580.00	H	-43.12		
7440.00	H	-38.49		
Middle				
3760.00	Vertical	-50.42	-13.00	Pass
5640.00	V	-44.13		
7520.00	V	-40.68		
3760.00	Horizontal	-50.41		
5640.00	H	-44.31		
7520.00	H	-39.49		
Highest				
3800.00	Vertical	-46.75	-13.00	Pass
5700.00	V	-44.55		
7600.00	V	-39.44		
3800.00	Horizontal	-49.12		
5700.00	H	-45.68		
7600.00	H	-38.44		

LTE Band 4 Part:

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

Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3421.40	Vertical	-50.61	-13.00	Pass
5132.10	V	-45.48		
6842.80	V	-41.13		
3421.40	Horizontal	-51.01		
5132.10	H	-45.18		
6842.80	H	-41.52		
Middle				
3465.00	Vertical	-50.24	-13.00	Pass
5197.50	V	-45.77		
6930.00	V	-40.29		
3465.00	Horizontal	-50.97		
5197.50	H	-45.83		
6930.00	H	-40.28		
Highest				
3508.60	Vertical	-49.65	-13.00	Pass
5262.90	V	-45.67		
7017.20	V	-40.62		
3508.60	Horizontal	-50.12		
5262.90	H	-45.92		
7017.20	H	-41.45		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3423.00	Vertical	-50.15	-13.00	Pass
5134.50	V	-45.36		
6846.00	V	-41.24		
3423.00	Horizontal	-51.21		
5134.50	H	-45.13		
6846.00	H	-41.34		
Middle				
3465.00	Vertical	-50.12	-13.00	Pass
5197.50	V	-45.36		
6930.00	V	-40.14		
3465.00	Horizontal	-50.13		
5197.50	H	-45.82		
6930.00	H	-40.03		
Highest				
3507.00	Vertical	-49.35	-13.00	Pass
5260.50	V	-45.69		
7014.00	V	-40.15		
3507.00	Horizontal	-50.36		
5260.50	H	-45.15		
7014.00	H	-41.97		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3425.00	Vertical	-50.65	-13.00	Pass
5137.50	V	-45.35		
6850.00	V	-41.41		
3425.00	Horizontal	-51.63		
5137.50	H	-45.68		
6850.00	H	-41.63		
Middle				
3465.00	Vertical	-50.41	-13.00	Pass
5197.50	V	-45.67		
6930.00	V	-40.12		
3465.00	Horizontal	-50.92		
5197.50	H	-45.49		
6930.00	H	-40.16		
Highest				
3505.00	Vertical	-49.77	-13.00	Pass
5257.50	V	-45.46		
7010.00	V	-40.41		
3505.00	Horizontal	-50.67		
5257.50	H	-45.12		
7010.00	H	-41.45		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3430.00	Vertical	-50.52	-13.00	Pass
5145.00	V	-45.56		
6860.00	V	-41.29		
3430.00	Horizontal	-51.79		
5145.00	H	-45.50		
6860.00	H	-41.49		
Middle				
3465.00	Vertical	-50.36	-13.00	Pass
5197.50	V	-45.66		
6930.00	V	-40.27		
3465.00	Horizontal	-50.65		
5197.50	H	-45.45		
6930.00	H	-40.41		
Highest				
3500.00	Vertical	-49.65	-13.00	Pass
5250.00	V	-45.99		
7000.00	V	-40.36		
3500.00	Horizontal	-50.92		
5250.00	H	-45.12		
7000.00	H	-41.45		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3435.00	Vertical	-50.56	-13.00	Pass
5152.50	V	-45.57		
6870.00	V	-41.65		
3435.00	Horizontal	-51.12		
5152.50	H	-45.36		
6870.00	H	-41.43		
Middle				
3465.00	Vertical	-50.56	-13.00	Pass
5197.50	V	-45.49		
6930.00	V	-40.41		
3465.00	Horizontal	-50.12		
5197.50	H	-45.77		
6930.00	H	-40.42		
Highest				
3495.00	Vertical	-49.56	-13.00	Pass
5242.50	V	-45.77		
6990.00	V	-40.27		
3495.00	Horizontal	-50.16		
5242.50	H	-45.16		
6990.00	H	-41.50		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3440.00	Vertical	-50.77	-13.00	Pass
5160.00	V	-45.92		
6880.00	V	-41.46		
3440.00	Horizontal	-51.57		
5160.00	H	-45.43		
6880.00	H	-41.45		
Middle				
3465.00	Vertical	-50.84	-13.00	Pass
5197.50	V	-45.92		
6930.00	V	-40.65		
3465.00	Horizontal	-50.67		
5197.50	H	-45.99		
6930.00	H	-40.32		
Highest				
3490.00	Vertical	-49.62	-13.00	Pass
5235.00	V	-45.41		
6980.00	V	-40.71		
3490.00	Horizontal	-50.29		
5235.00	H	-45.56		
6980.00	H	-41.46		

LTE Band 7 Part:

5MHz(RB size 1 & RB offset 0) for QPSK

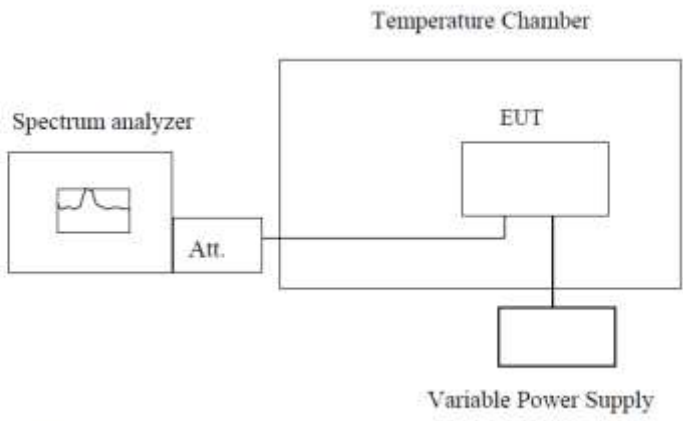
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5005.00	Vertical	-45.11	-25.00	Pass
7507.50	V	-40.61		
10010.00	V	-37.46		
5005.00	Horizontal	-46.45		
7507.50	H	-39.92		
10010.00	H	-39.06		
Middle				
5070.00	Vertical	-46.00	-25.00	Pass
7605.00	V	-39.91		
10140.00	V	-36.91		
5070.00	Horizontal	-45.75		
7605.00	H	-40.31		
10140.00	H	-37.42		
Highest				
5135.00	Vertical	-45.82	-25.00	Pass
7702.50	V	-39.99		
10270.00	V	-38.00		
5135.00	Horizontal	-45.55		
7702.50	H	-40.22		
10270.00	H	-38.39		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5010.00	Vertical	-45.03	-25.00	Pass
7515.00	V	-40.15		
10020.00	V	-37.25		
5010.00	Horizontal	-46.36		
7515.00	H	-39.15		
10020.00	H	-39.54		
Middle				
5070.00	Vertical	-46.24	-25.00	Pass
7605.00	V	-39.57		
10140.00	V	-36.69		
5070.00	Horizontal	-45.35		
7605.00	H	-40.15		
10140.00	H	-37.14		
Highest				
5130.00	Vertical	-45.23	-25.00	Pass
7695.00	V	-39.51		
10260.00	V	-38.26		
5130.00	Horizontal	-45.14		
7695.00	H	-40.36		
10260.00	H	-38.54		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5015.00	Vertical	-45.82	-25.00	Pass
7522.50	V	-40.24		
10030.00	V	-37.83		
5015.00	Horizontal	-46.24		
7522.50	H	-39.99		
10030.00	H	-39.42		
Middle				
5070.00	Vertical	-46.71	-25.00	Pass
7605.00	V	-39.45		
10140.00	V	-36.41		
5070.00	Horizontal	-45.24		
7605.00	H	-40.51		
10140.00	H	-37.46		
Highest				
5125.00	Vertical	-45.57	-25.00	Pass
7687.50	V	-39.83		
10250.00	V	-38.99		
5125.00	Horizontal	-45.41		
7687.50	H	-40.82		
10250.00	H	-38.18		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5020.00	Vertical	-45.73	-25.00	Pass
7530.00	V	-40.75		
10040.00	V	-37.76		
5020.00	Horizontal	-46.12		
7530.00	H	-39.32		
10040.00	H	-39.26		
Middle				
5070.00	Vertical	-46.31	-25.00	Pass
7605.00	V	-39.76		
10140.00	V	-36.20		
5070.00	Horizontal	-45.24		
7605.00	H	-40.37		
10140.00	H	-37.15		
Highest				
5120.00	Vertical	-45.54	-25.00	Pass
7680.00	V	-39.76		
10240.00	V	-38.15		
5120.00	Horizontal	-45.99		
7680.00	H	-40.41		
10240.00	H	-38.42		

6.12 Frequency stability V.S. Temperature measurement

Test Requirement:	Part 24.235, Part 27.54, Part 2.1055(a)(1)(b)
Test Method:	FCC Part2.1055(a)(1)(b)
Limit:	±2.5ppm
Test setup:	 <p>Note : Measurement setup for testing on Antenna connector</p>
Test procedure:	<ol style="list-style-type: none"> 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	187	0.099468	±2.5	Pass
	-20	163	0.086702		
	-10	155	0.082447		
	0	126	0.067021		
	10	132	0.070213		
	20	105	0.055851		
	30	122	0.064894		
	40	140	0.074468		
	50	146	0.077660		
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	192	0.102128	±2.5	Pass
	-20	188	0.100000		
	-10	156	0.082979		
	0	142	0.075532		
	10	163	0.086702		
	20	130	0.069149		
	30	120	0.063830		
	40	125	0.066489		
	50	106	0.056383		
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	177	0.094149	±2.5	Pass
	-20	163	0.086702		
	-10	145	0.077128		
	0	129	0.068617		
	10	168	0.089362		
	20	160	0.085106		
	30	155	0.082447		
	40	152	0.080851		
	50	143	0.076064		

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	149	0.079255	±2.5	Pass
	-20	133	0.070745		
	-10	126	0.067021		
	0	120	0.063830		
	10	110	0.058511		
	20	108	0.057447		
	30	146	0.077660		
	40	145	0.077128		
	50	127	0.067553		
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	179	0.095213	±2.5	Pass
	-20	146	0.077660		
	-10	163	0.086702		
	0	152	0.080851		
	10	146	0.077660		
	20	170	0.090426		
	30	169	0.089894		
	40	155	0.082447		
	50	150	0.079787		
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	185	0.098404	±2.5	Pass
	-20	142	0.075532		
	-10	126	0.067021		
	0	106	0.056383		
	10	103	0.054787		
	20	136	0.072340		
	30	134	0.071277		
	40	169	0.089894		
	50	158	0.084043		

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	170	0.090426	±2.5	Pass
	-20	166	0.088298		
	-10	159	0.084574		
	0	146	0.077660		
	10	163	0.086702		
	20	125	0.066489		
	30	140	0.074468		
	40	135	0.071809		
	50	139	0.073936		
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	146	0.077660	±2.5	Pass
	-20	152	0.080851		
	-10	133	0.070745		
	0	126	0.067021		
	10	105	0.055851		
	20	114	0.060638		
	30	142	0.075532		
	40	106	0.056383		
	50	129	0.068617		
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	169	0.089894	±2.5	Pass
	-20	152	0.080851		
	-10	142	0.075532		
	0	143	0.076064		
	10	103	0.054787		
	20	154	0.081915		
	30	120	0.063830		
	40	126	0.067021		
	50	124	0.065957		

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	146	0.077660	±2.5	Pass
	-20	170	0.090426		
	-10	152	0.080851		
	0	146	0.077660		
	10	136	0.072340		
	20	150	0.079787		
	30	149	0.079255		
	40	162	0.086170		
	50	178	0.094681		
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	167	0.088830	±2.5	Pass
	-20	155	0.082447		
	-10	142	0.075532		
	0	135	0.071809		
	10	120	0.063830		
	20	126	0.067021		
	30	105	0.055851		
	40	114	0.060638		
	50	162	0.086170		
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	174	0.092553	±2.5	Pass
	-20	145	0.077128		
	-10	125	0.066489		
	0	136	0.072340		
	10	130	0.069149		
	20	152	0.080851		
	30	146	0.077660		
	40	105	0.055851		
	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	166	0.095815	±2.5	Pass
	-20	125	0.072150		
	-10	145	0.083694		
	0	130	0.075036		
	10	150	0.086580		
	20	142	0.081962		
	30	140	0.080808		
	40	136	0.078499		
	50	133	0.076768		
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	177	0.102165	±2.5	Pass
	-20	152	0.087734		
	-10	149	0.086003		
	0	163	0.094084		
	10	182	0.105051		
	20	145	0.083694		
	30	156	0.090043		
	40	140	0.080808		
	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	166	0.095815	±2.5	Pass
	-20	135	0.077922		
	-10	124	0.071573		
	0	105	0.060606		
	10	117	0.067532		
	20	146	0.084271		
	30	142	0.081962		
	40	141	0.081385		
	50	139	0.080231		

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	167	0.096392	±2.5	Pass
	-20	166	0.095815		
	-10	152	0.087734		
	0	140	0.080808		
	10	136	0.078499		
	20	105	0.060606		
	30	119	0.068687		
	40	150	0.086580		
	50	148	0.085426		
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	184	0.106205	±2.5	Pass
	-20	163	0.094084		
	-10	159	0.091775		
	0	148	0.085426		
	10	172	0.099278		
	20	146	0.084271		
	30	138	0.079654		
	40	139	0.080231		
	50	159	0.091775		
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	165	0.095238	±2.5	Pass
	-20	152	0.087734		
	-10	141	0.081385		
	0	126	0.072727		
	10	136	0.078499		
	20	105	0.060606		
	30	124	0.071573		
	40	119	0.068687		
	50	128	0.073882		

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	160	0.092352	±2.5	Pass
	-20	125	0.072150		
	-10	142	0.081962		
	0	138	0.079654		
	10	146	0.084271		
	20	155	0.089466		
	30	126	0.072727		
	40	105	0.060606		
	50	109	0.062915		
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	179	0.103319	±2.5	Pass
	-20	145	0.083694		
	-10	168	0.096970		
	0	152	0.087734		
	10	130	0.075036		
	20	126	0.072727		
	30	125	0.072150		
	40	148	0.085426		
	50	166	0.095815		
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	160	0.092352	±2.5	Pass
	-20	152	0.087734		
	-10	142	0.081962		
	0	136	0.078499		
	10	107	0.061760		
	20	124	0.071573		
	30	129	0.074459		
	40	150	0.086580		
	50	154	0.088889		

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	169	0.097547	±2.5	Pass
	-20	152	0.087734		
	-10	144	0.083117		
	0	132	0.076190		
	10	120	0.069264		
	20	105	0.060606		
	30	126	0.072727		
	40	128	0.073882		
	50	127	0.073304		
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	159	0.091775	±2.5	Pass
	-20	142	0.081962		
	-10	140	0.080808		
	0	133	0.076768		
	10	136	0.078499		
	20	105	0.060606		
	30	118	0.068110		
	40	124	0.071573		
	50	126	0.072727		
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	169	0.097547	±2.5	Pass
	-20	163	0.094084		
	-10	152	0.087734		
	0	145	0.083694		
	10	125	0.072150		
	20	105	0.060606		
	30	116	0.066955		
	40	134	0.077345		
	50	170	0.098124		

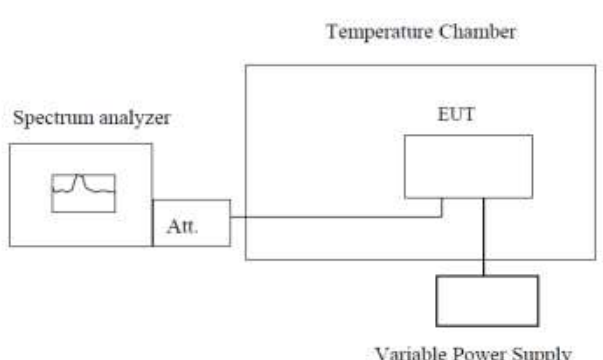
LTE Band 7(QPSK):

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	177	0.069822	±2.5	Pass
	-20	144	0.056805		
	-10	135	0.053254		
	0	160	0.063116		
	10	125	0.049310		
	20	105	0.041420		
	30	144	0.056805		
	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	167	0.065878	±2.5	Pass
	-20	146	0.057594		
	-10	138	0.054438		
	0	125	0.049310		
	10	109	0.042998		
	20	114	0.044970		
	30	106	0.041815		
	40	129	0.050888		
	50	125	0.049310		
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	190	0.074951	±2.5	Pass
	-20	188	0.074162		
	-10	175	0.069034		
	0	163	0.064300		
	10	142	0.056016		
	20	149	0.058777		
	30	157	0.061933		
	40	180	0.071006		
	50	160	0.063116		
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	170	0.067061	±2.5	Pass
	-20	155	0.061144		
	-10	126	0.049704		
	0	135	0.053254		
	10	104	0.041026		
	20	126	0.049704		
	30	105	0.041420		
	40	129	0.050888		
	50	117	0.046154		

LTE Band 7(16QAM):

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	166	0.065483	±2.5	Pass
	-20	135	0.053254		
	-10	125	0.049310		
	0	106	0.041815		
	10	117	0.046154		
	20	128	0.050493		
	30	160	0.063116		
	40	162	0.063905		
50	135	0.053254			
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	149	0.058777	±2.5	Pass
	-20	152	0.059961		
	-10	144	0.056805		
	0	150	0.059172		
	10	124	0.048915		
	20	105	0.041420		
	30	129	0.050888		
	40	136	0.053649		
50	104	0.041026			
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	106	0.041815	2.5	Pass
	-20	129	0.050888		
	-10	146	0.057594		
	0	135	0.053254		
	10	133	0.052465		
	20	108	0.042604		
	30	127	0.050099		
	40	129	0.050888		
50	136	0.053649			
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	167	0.065878	2.5	Pass
	-20	152	0.059961		
	-10	142	0.056016		
	0	160	0.063116		
	10	125	0.049310		
	20	104	0.041026		
	30	103	0.040631		
	40	136	0.053649		
50	159	0.062722			

6.13 Frequency stability V.S. Voltage measurement

Test Requirement:	Part 24.235, Part 27.54, Part 2.1055(d)(2)
Test Method:	FCC Part2.1055(d)(1)(2)
Limit:	2.5ppm
Test setup:	 <p style="text-align: center;">Note : Measurement setup for testing on Antenna connector</p>
Test procedure:	<ol style="list-style-type: none"> 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 (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	78	0.041489	±2.5	Pass
	3.80	96	0.051064		
	3.23	52	0.027660		
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	77	0.040957	±2.5	Pass
	3.80	49	0.026064		
	3.23	63	0.033511		
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	80	0.042553	±2.5	Pass
	3.80	49	0.026064		
	3.23	95	0.050532		
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	71	0.037766	±2.5	Pass
	3.80	66	0.035106		
	3.23	90	0.047872		
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	74	0.039362	±2.5	Pass
	3.80	95	0.050532		
	3.23	82	0.043617		
Reference Frequency: LTE Band 2(20MHz) Middle channel=20175 channel=1880.00MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	77	0.040957	±2.5	Pass
	3.80	90	0.047872		
	3.23	52	0.027660		

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	79	0.042021	±2.5	Pass
	3.80	85	0.045213		
	3.23	73	0.038830		
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	84	0.044681	±2.5	Pass
	3.80	95	0.050532		
	3.23	90	0.047872		
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	74	0.039362	±2.5	Pass
	3.80	70	0.037234		
	3.23	69	0.036702		
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	77	0.040957	±2.5	Pass
	3.80	95	0.050532		
	3.23	88	0.046809		
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	63	0.033511	±2.5	Pass
	3.80	74	0.039362		
	3.23	90	0.047872		
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	74	0.039362	±2.5	Pass
	3.80	85	0.045213		
	3.23	90	0.047872		

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	74	0.042713	±2.5	Pass
	3.80	85	0.049062		
	3.23	90	0.051948		
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	75	0.043290	±2.5	Pass
	3.80	95	0.054834		
	3.23	62	0.035786		
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	74	0.042713	±2.5	Pass
	3.80	71	0.040981		
	3.23	80	0.046176		
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	96	0.055411	±2.5	Pass
	3.80	53	0.030592		
	3.23	80	0.046176		
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	75	0.043290	±2.5	Pass
	3.80	90	0.051948		
	3.23	80	0.046176		
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	77	0.044444	±2.5	Pass
	3.80	46	0.026551		
	3.23	36	0.020779		

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	77	0.044444	±2.5	Pass
	3.80	48	0.027706		
	3.23	55	0.031746		
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	79	0.045599	±2.5	Pass
	3.80	68	0.039250		
	3.23	82	0.047330		
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	74	0.042713	±2.5	Pass
	3.80	77	0.044444		
	3.23	82	0.047330		
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	76	0.043867	±2.5	Pass
	3.80	46	0.026551		
	3.23	82	0.047330		
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	58	0.033478		
	3.23	80	0.046176		
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	65	0.037518		
	3.23	80	0.046176		

LTE Band 7(QPSK):

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	45	0.017751	±2.5	Pass
	3.80	68	0.026824		
	3.23	90	0.035503		
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	75	0.029586	±2.5	Pass
	3.80	58	0.022880		
	3.23	52	0.020513		
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	46	0.018146	±2.5	Pass
	3.80	90	0.035503		
	3.23	77	0.030375		
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	68	0.026824	±2.5	Pass
	3.80	52	0.020513		
	3.23	80	0.031558		

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	48	0.018935	±2.5	Pass
	3.80	80	0.031558		
	3.23	76	0.029980		
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	65	0.025641		
	3.23	80	0.031558		
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	76	0.029980	±2.5	Pass
	3.80	92	0.036292		
	3.23	46	0.018146		
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	78	0.030769	±2.5	Pass
	3.80	68	0.026824		
	3.23	82	0.032347		