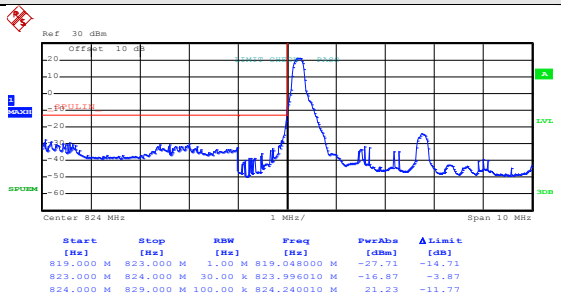
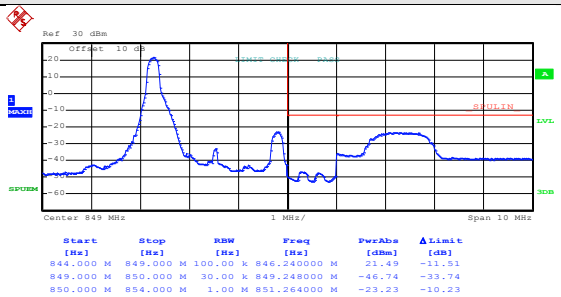
3MHz:

Test Mode:	LTE band 5 (QPSK RB Size 1& RB Offset 0)



Date: 31.MAY.2016 16:34:25

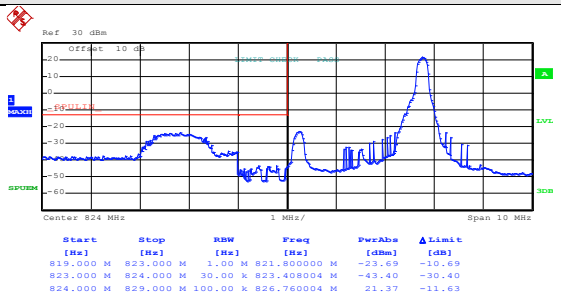
Lowest channel



Date: 31.MAY.2016 16:36:19

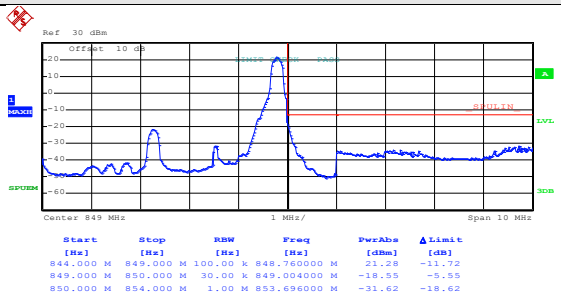
Highest channel

Test Mode:	LTE band 5 (QPSK RB Size 1& RB Offset 14)



Date: 31.MAY.2016 16:34:40

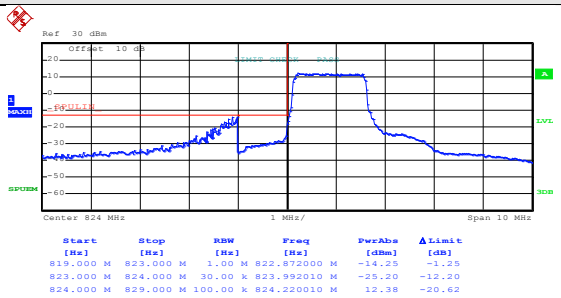
Lowest channel



Date: 31.MAY.2016 16:36:33

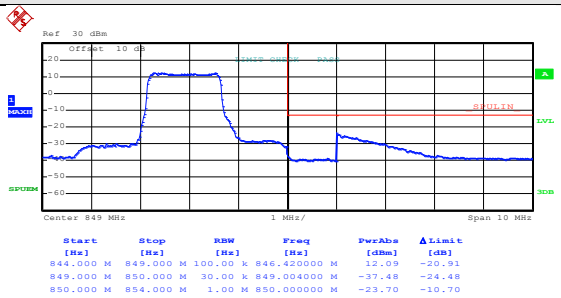
Highest channel

Test Mode:	LTE band 5 (QPSK RB Size 8& RB Offset 0)



Date: 31.MAY.2016 16:34:59

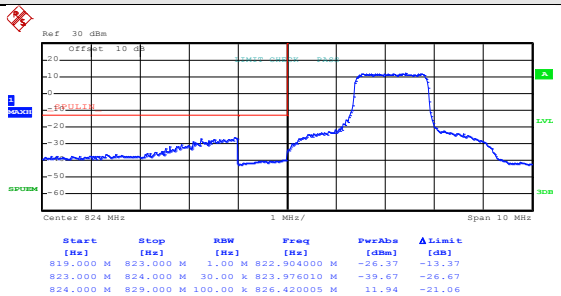
Lowest channel



Date: 31.MAY.2016 16:36:52

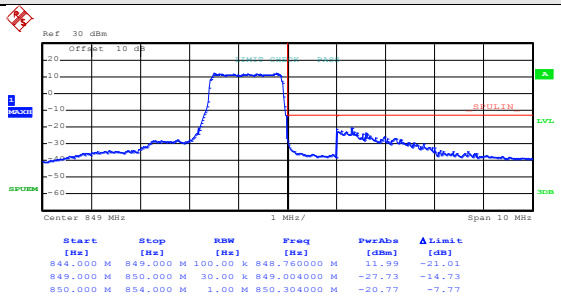
Highest channel

Test Mode:	LTE band 5 (QPSK RB Size 8& RB Offset 7)



Date: 31.MAY.2016 16:35:14

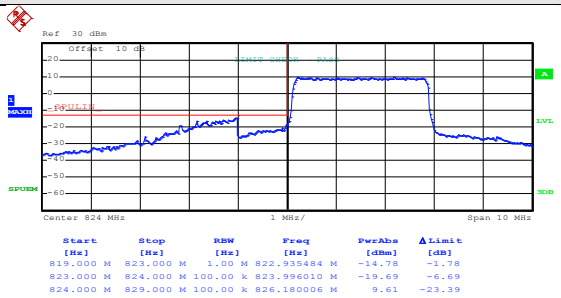
Lowest channel



Date: 31.MAY.2016 16:37:09

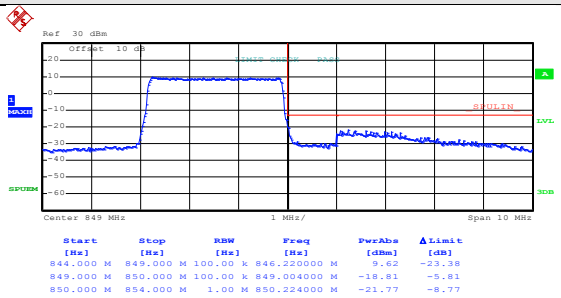
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 15& RB Offset 0)



Date: 31.MAY.2016 16:35:44

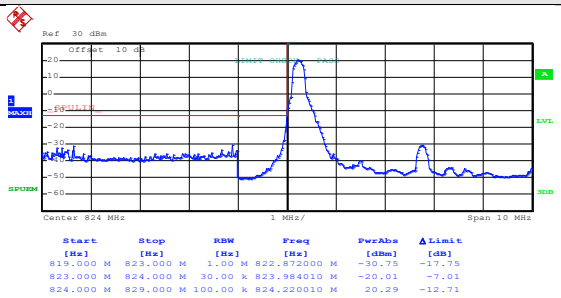
Lowest channel



Date: 31.MAY.2016 16:37:31

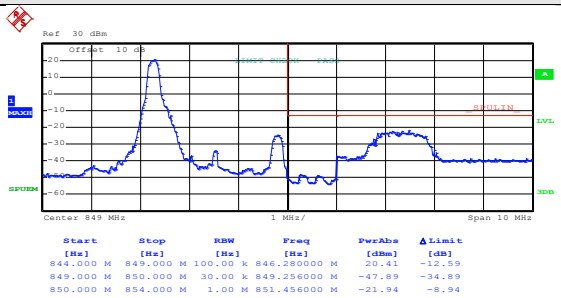
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 1& RB Offset 0)



Date: 31.MAY.2016 16:34:31

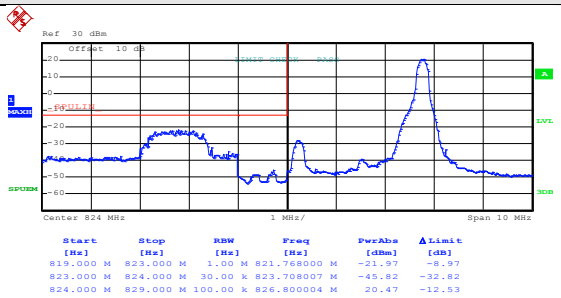
Lowest channel



Date: 31.MAY.2016 16:36:25

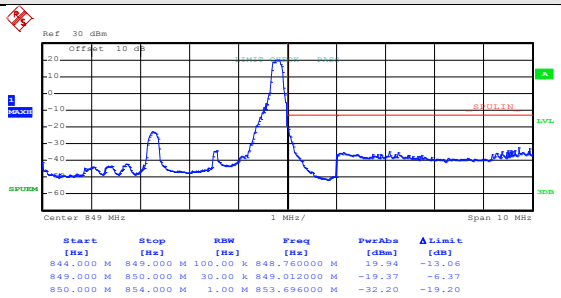
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 1& RB Offset 14)



Date: 31.MAY.2016 16:34:48

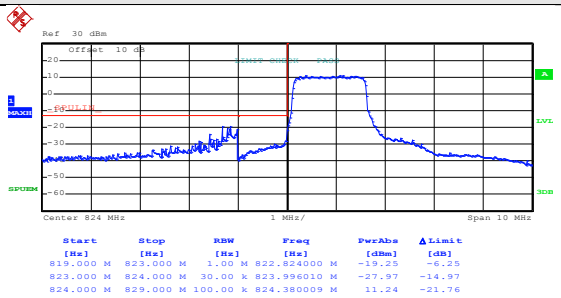
Lowest channel



Date: 31.MAY.2016 16:36:39

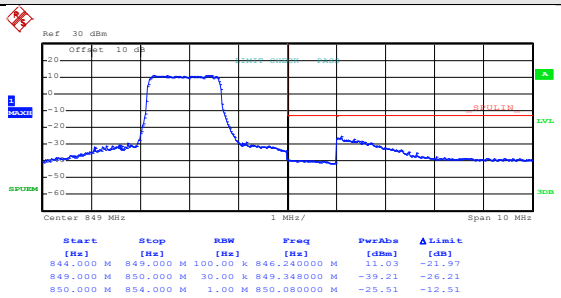
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 8& RB Offset 0)



Date: 31.MAY.2016 16:35:05

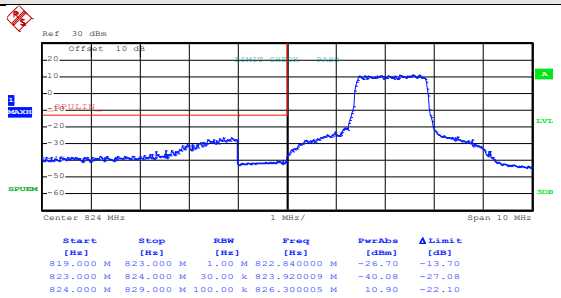
Lowest channel



Date: 31.MAY.2016 16:37:00

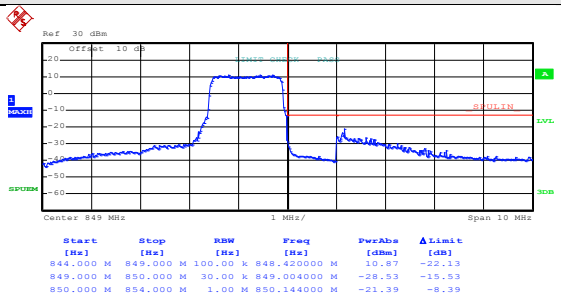
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 8& RB Offset 7)



Date: 31.MAY.2016 16:35:22

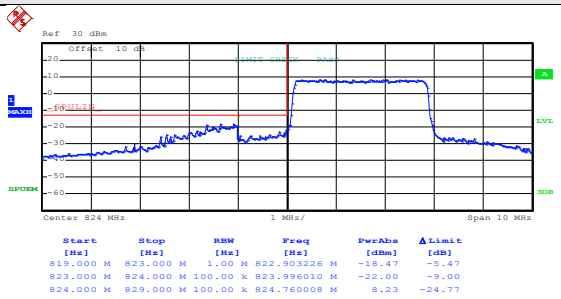
Lowest channel



Date: 31.MAY.2016 16:37:15

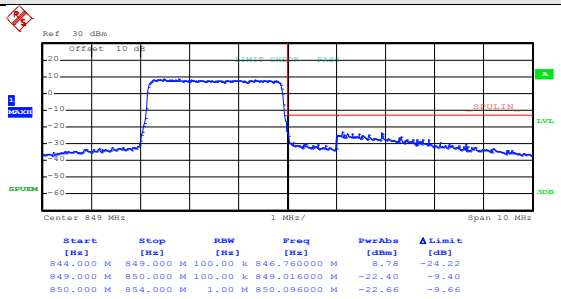
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 15& RB Offset 0)



Date: 31.MAY.2016 16:35:49

Lowest channel

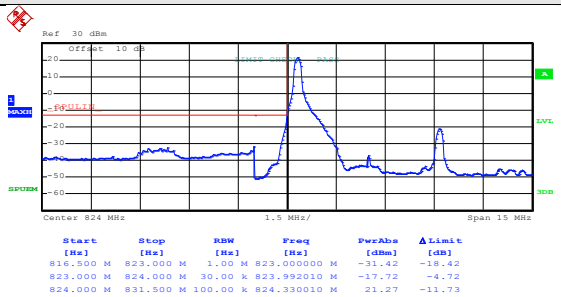


Date: 31.MAY.2016 16:37:36

Highest channel

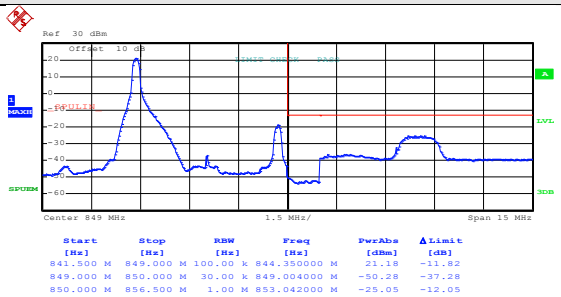
5MHz:

Test Mode:	LTE band 5(QPSK RB Size 1& RB Offset 0)



Date: 31.MAY.2016 16:38:12

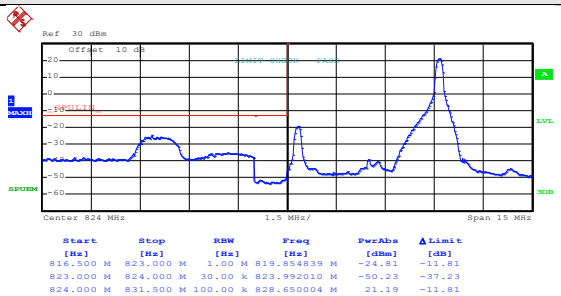
Lowest channel



Date: 31.MAY.2016 16:39:51

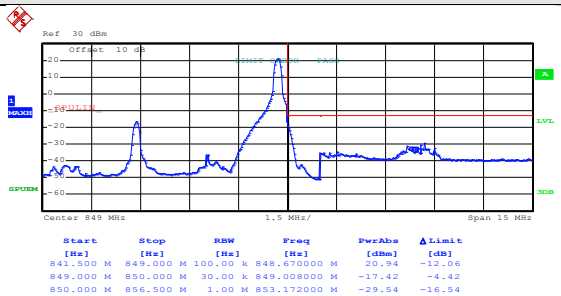
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 1 & RB Offset 24)



Date: 31.MAY.2016 16:38:26

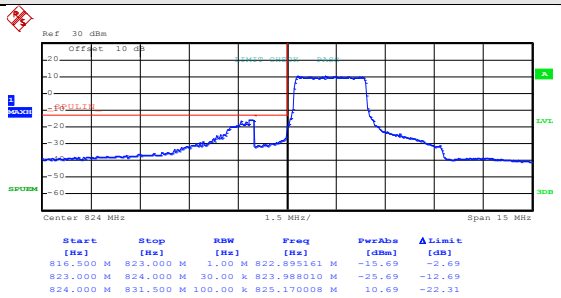
Lowest channel



Date: 31.MAY.2016 16:40:06

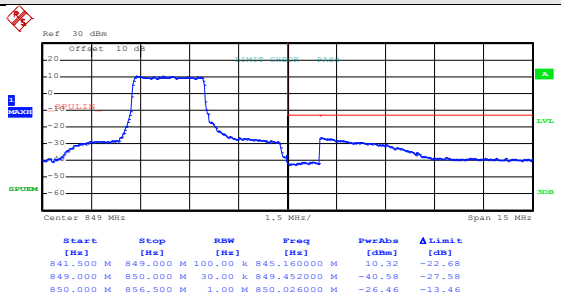
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 12& RB Offset 0)



Date: 31.MAY.2016 16:38:43

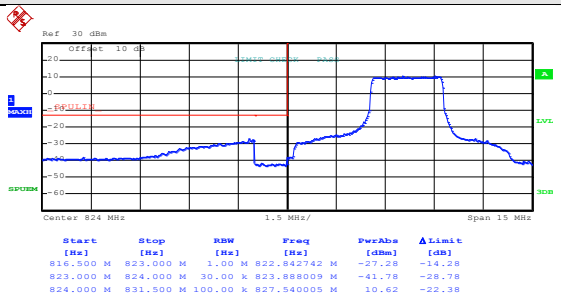
Lowest channel



Date: 31.MAY.2016 16:40:24

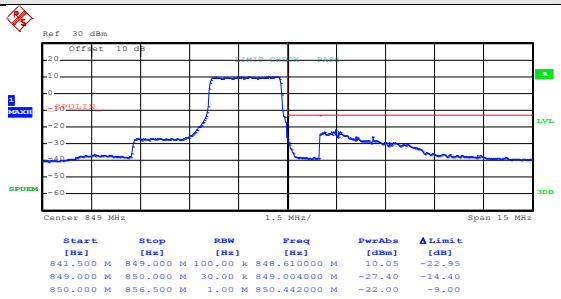
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 12& RB Offset 11)



Date: 31.MAY.2016 16:39:08

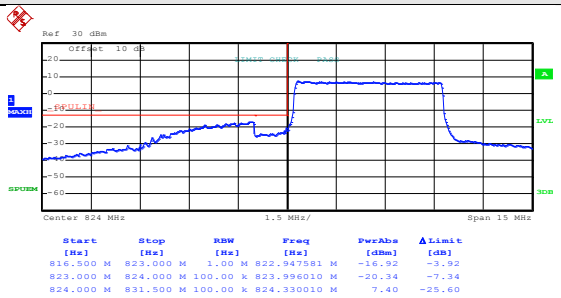
Lowest channel



Date: 31.MAY.2016 16:40:45

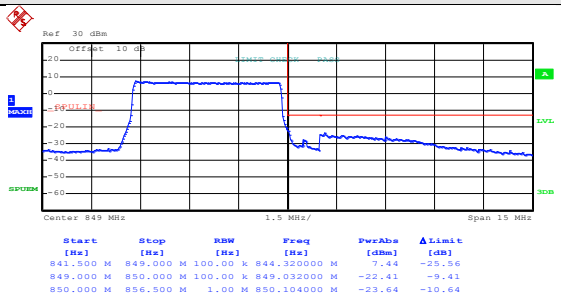
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 25& RB Offset 0)



Date: 31.MAY.2016 16:39:29

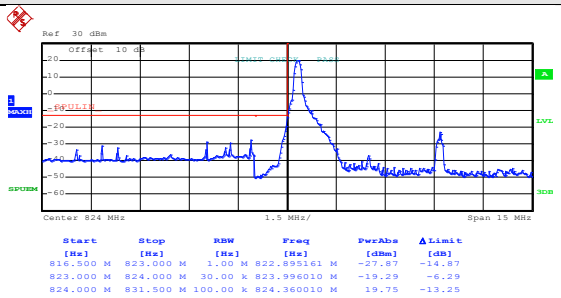
Lowest channel



Date: 31.MAY.2016 16:42:05

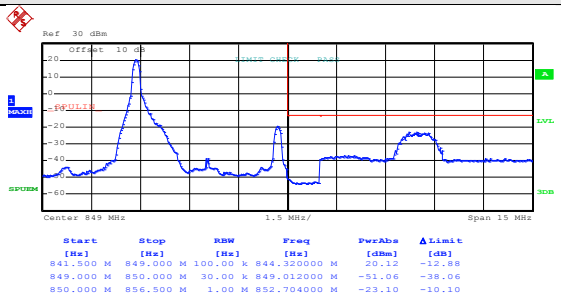
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 1 & RB Offset 0)



Date: 31.MAY.2016 16:38:18

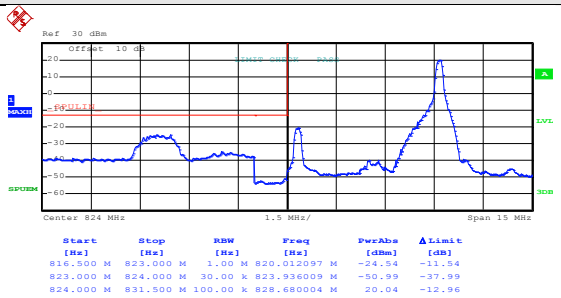
Lowest channel



Date: 31.MAY.2016 16:39:57

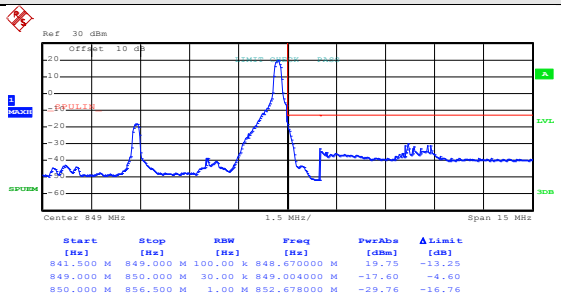
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 1 & RB Offset 24)



Date: 31.MAY.2016 16:38:33

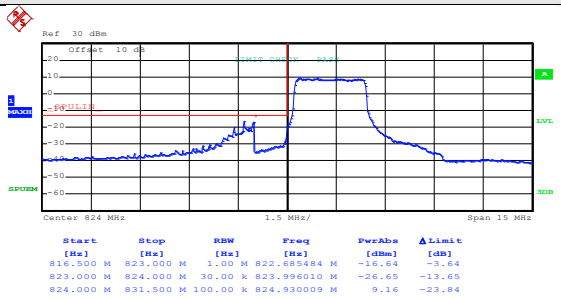
Lowest channel



Date: 31.MAY.2016 16:40:14

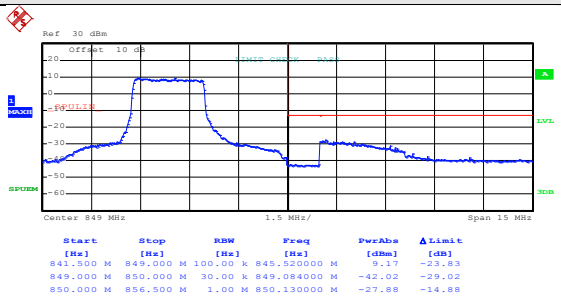
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 12& RB Offset 0)



Date: 31.MAY.2016 16:38:53

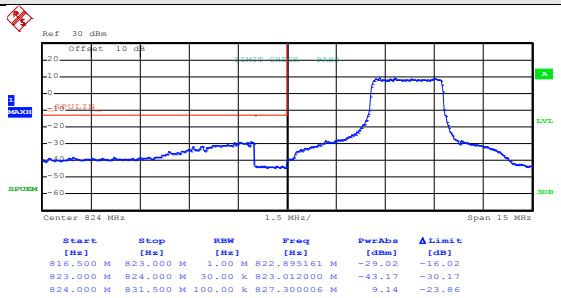
Lowest channel



Date: 31.MAY.2016 16:40:34

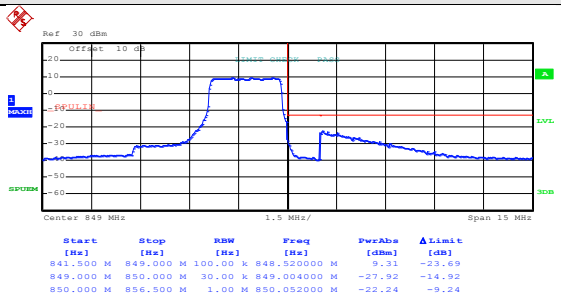
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 12& RB Offset 11)



Date: 31.MAY.2016 16:39:15

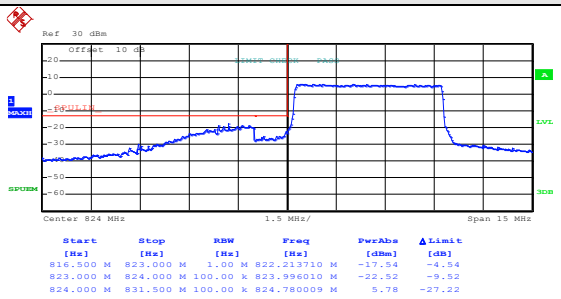
Lowest channel



Date: 31.MAY.2016 16:41:46

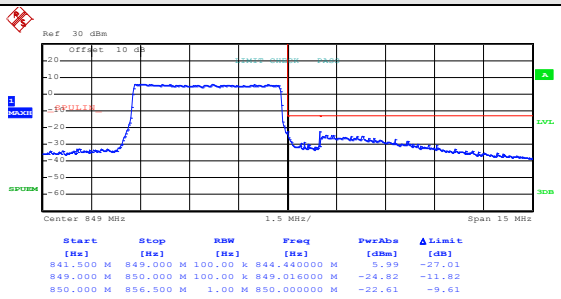
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 25& RB Offset 0)



Date: 31.MAY.2016 16:39:34

Lowest channel

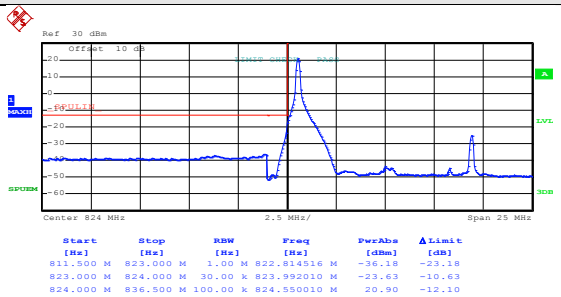


Date: 31.MAY.2016 16:42:10

Highest channel

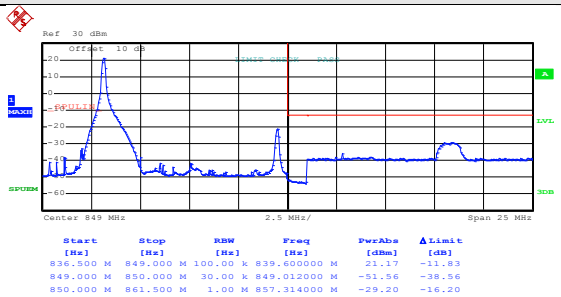
10MHz:

Test Mode:	LTE band 5(QPSK RB Size 1& RB Offset 0)



Date: 31.MAY.2016 16:42:57

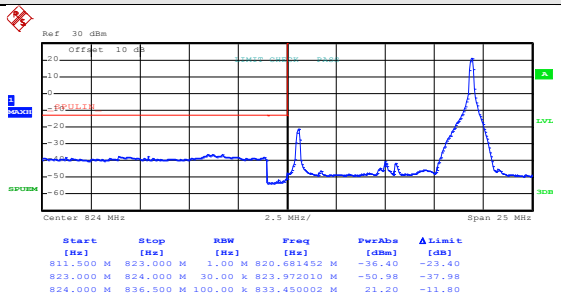
Lowest channel



Date: 31.MAY.2016 16:45:10

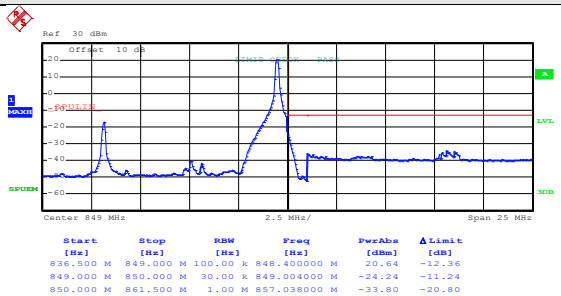
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 1 & RB Offset 49)



Date: 31.MAY.2016 16:43:14

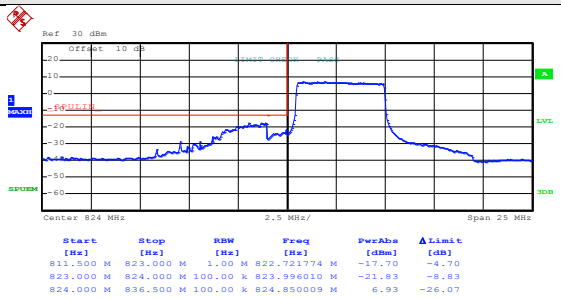
Lowest channel



Date: 31.MAY.2016 16:45:24

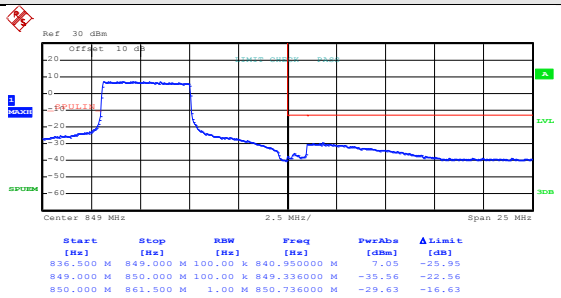
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 25& RB Offset 0)



Date: 31.MAY.2016 16:43:42

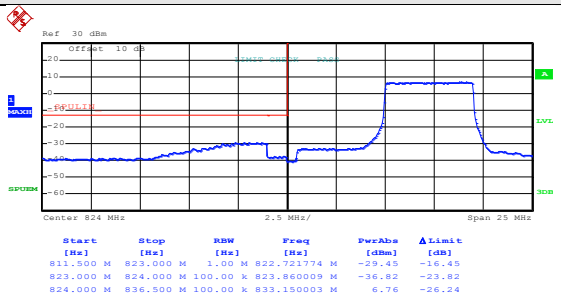
Lowest channel



Date: 31.MAY.2016 16:45:53

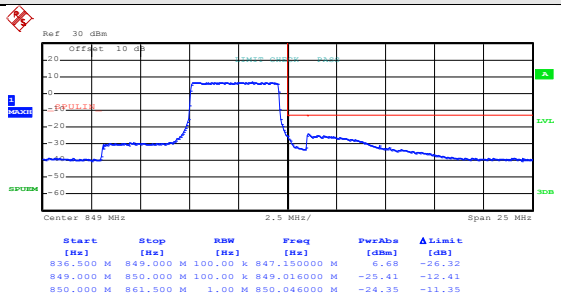
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 25& RB Offset 24)



Date: 31.MAY.2016 16:44:04

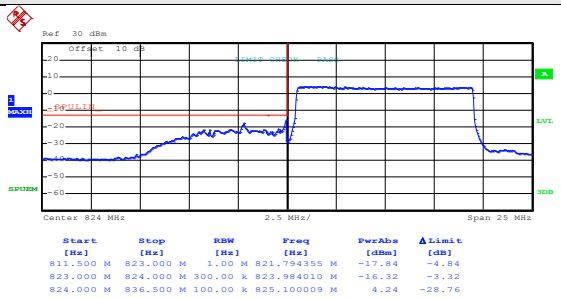
Lowest channel



Date: 31.MAY.2016 16:46:15

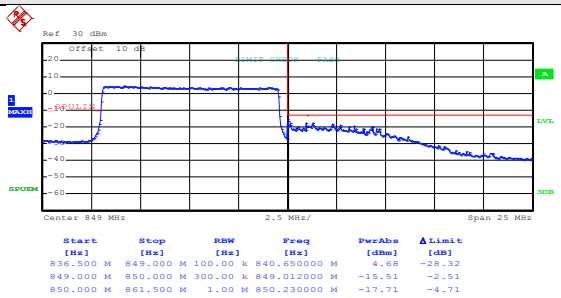
Highest channel

Test Mode:	LTE band 5(QPSK RB Size 50& RB Offset 0)



Date: 31.MAY.2016 16:44:26

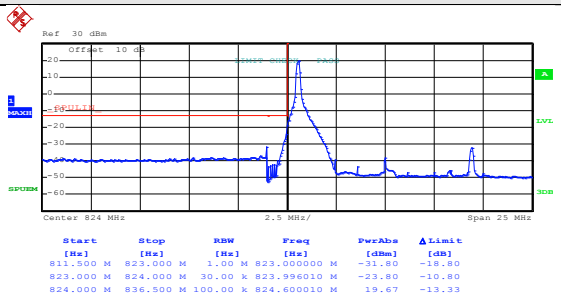
Lowest channel



Date: 31.MAY.2016 16:46:38

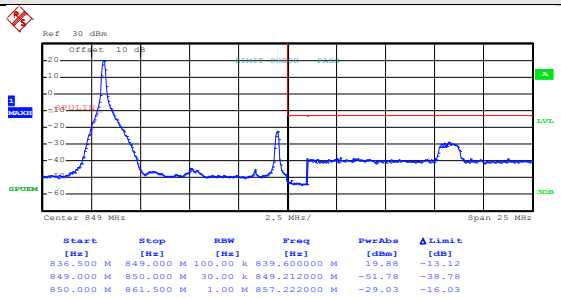
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 1& RB Offset 0)



Date: 31.MAY.2016 16:43:05

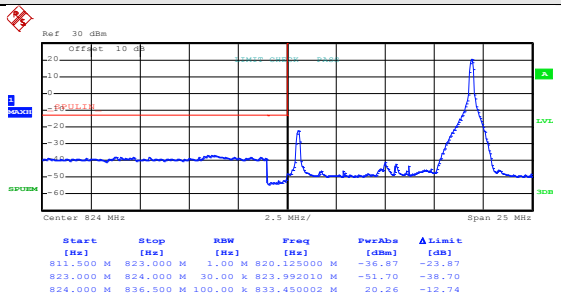
Lowest channel



Date: 31.MAY.2016 16:45:16

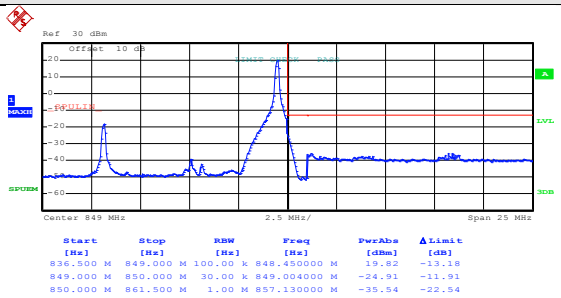
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 1& RB Offset 49)



Date: 31.MAY.2016 16:43:22

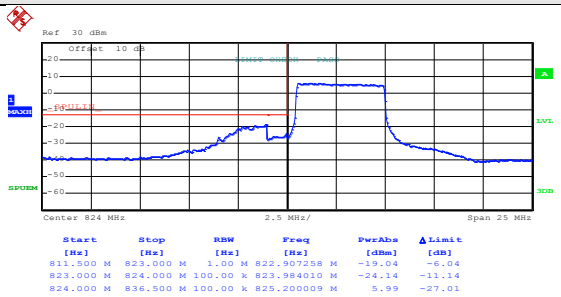
Lowest channel



Date: 31.MAY.2016 16:45:34

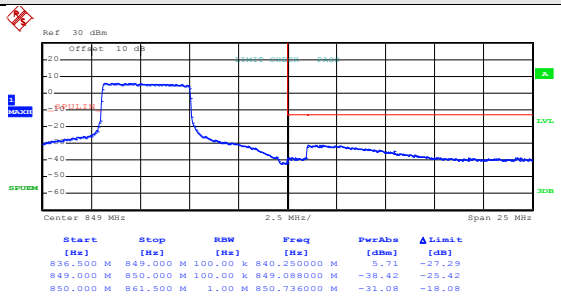
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 25& RB Offset 0)



Date: 31.MAY.2016 16:43:53

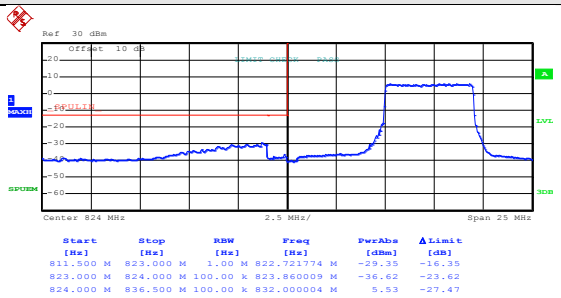
Lowest channel



Date: 31.MAY.2016 16:46:02

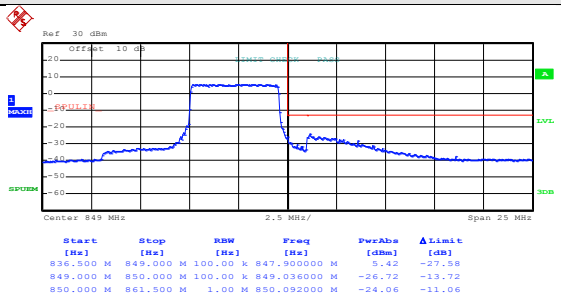
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 25& RB Offset 24)



Date: 31.MAY.2016 16:44:11

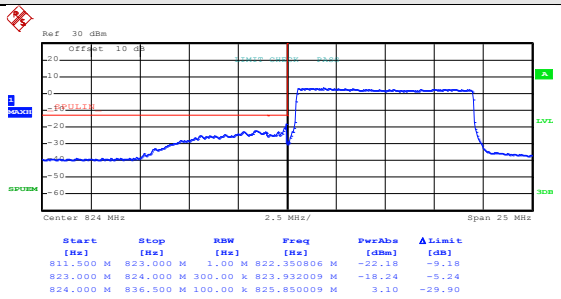
Lowest channel



Date: 31.MAY.2016 16:46:24

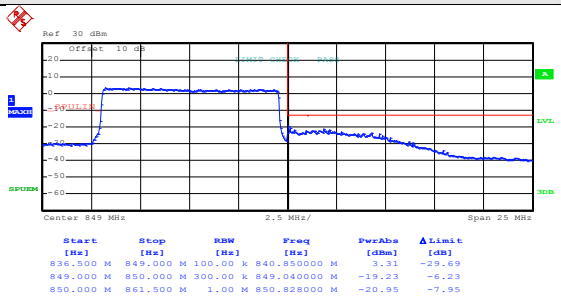
Highest channel

Test Mode:	LTE band 5(16QAM RB Size 50& RB Offset 0)



Date: 31.MAY.2016 16:44:35

Lowest channel



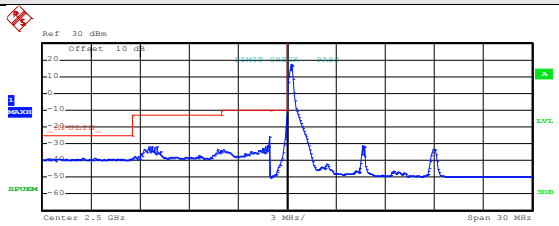
Date: 31.MAY.2016 16:46:45

Highest channel

LTE band 7 part:

5MHz:

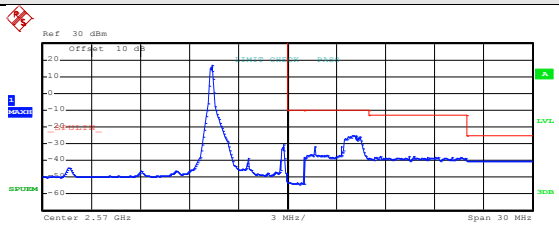
Test Mode:	LTE band 7(QPSK RB Size 1& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.485 G	2.490 G	1.00 M	2.488149 G	-38.78	-13.78
2.490 G	2.496 G	1.00 M	2.491476 G	-31.50	-18.50
2.496 G	2.499 G	1.00 M	2.499000 G	-26.09	-16.09
2.499 G	2.500 G	30.00 k	2.499992 G	-19.94	-9.94
2.500 G	2.515 G	100.00 k	2.500242 G	17.40	-15.60

Date: 31.MAY.2016 18:42:41

Lowest channel

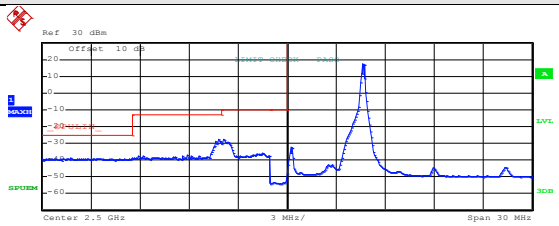


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.565403 G	17.04	-15.96
2.570 G	2.571 G	30.00 k	2.570048 G	-53.14	-43.14
2.571 G	2.575 G	1.00 M	2.573968 G	-24.97	-14.97
2.575 G	2.581 G	1.00 M	2.577371 G	-37.63	-24.63
2.581 G	2.585 G	1.00 M	2.583355 G	-40.25	-15.25

Date: 31.MAY.2016 18:44:26

Highest channel

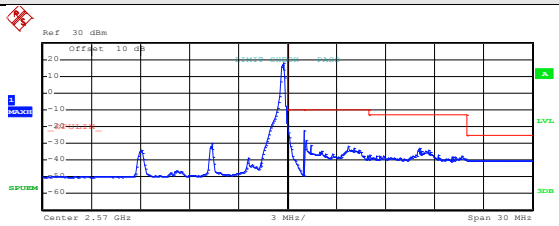
Test Mode:	LTE band 7(QPSK RB Size 1& RB Offset 24)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.485 G	2.490 G	1.00 M	2.486685 G	-38.83	-13.83
2.490 G	2.496 G	1.00 M	2.495778 G	-27.82	-14.82
2.496 G	2.499 G	1.00 M	2.496048 G	-27.89	-17.89
2.499 G	2.500 G	30.00 k	2.499935 G	-52.43	-42.43
2.500 G	2.515 G	100.00 k	2.504597 G	17.44	-15.56

Date: 31.MAY.2016 18:43:00

Lowest channel

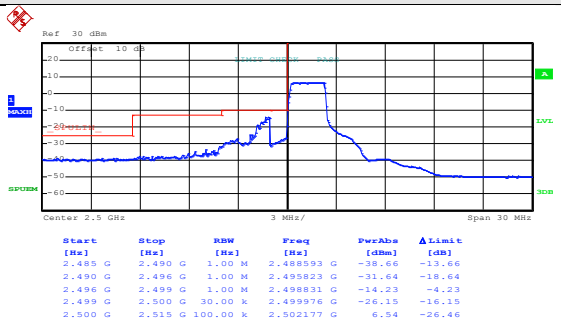


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.569758 G	18.01	-14.99
2.570 G	2.571 G	30.00 k	2.570008 G	-19.48	-9.48
2.571 G	2.575 G	1.00 M	2.571000 G	-22.06	-12.06
2.575 G	2.581 G	1.00 M	2.578048 G	-33.08	-20.08
2.581 G	2.585 G	1.00 M	2.584871 G	-40.32	-15.32

Date: 31.MAY.2016 18:44:43

Highest channel

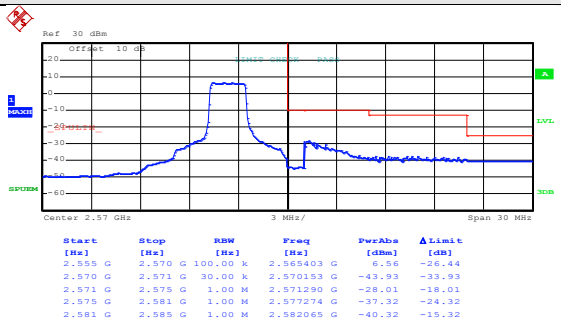
Test Mode:	LTE band 7(QPSK RB Size 12& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.485 G	2.490 G	1.00 M	2.488593 G	-38.66	-13.66
2.490 G	2.496 G	1.00 M	2.495823 G	-31.64	-18.64
2.496 G	2.499 G	1.00 M	2.498831 G	-14.23	-4.23
2.499 G	2.500 G	30.00 k	2.499976 G	-26.15	-16.15
2.500 G	2.515 G	100.00 k	2.502177 G	6.54	-26.46

Date: 31.MAY.2016 18:43:18

Lowest channel

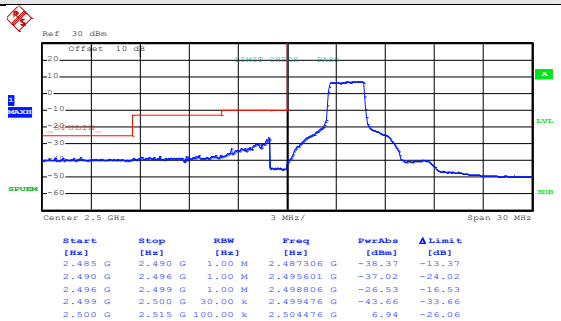


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.565403 G	6.56	-26.44
2.570 G	2.571 G	30.00 k	2.570153 G	-43.93	-33.93
2.571 G	2.575 G	1.00 M	2.571290 G	-28.01	-18.01
2.575 G	2.581 G	1.00 M	2.577274 G	-37.32	-24.32
2.581 G	2.585 G	1.00 M	2.582065 G	-40.32	-15.32

Date: 31.MAY.2016 18:45:02

Highest channel

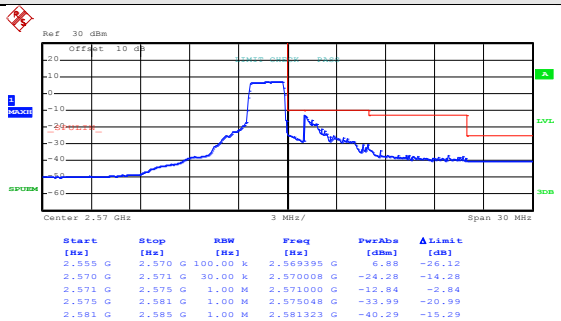
Test Mode:	LTE band 7(QPSK RB Size 12& RB Offset 11)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.485 G	2.490 G	1.00 M	2.487306 G	-38.37	-13.37
2.490 G	2.496 G	1.00 M	2.495601 G	-37.02	-24.02
2.496 G	2.499 G	1.00 M	2.498806 G	-26.53	-16.53
2.499 G	2.500 G	30.00 k	2.499476 G	-43.66	-33.66
2.500 G	2.515 G	100.00 k	2.504476 G	6.94	-26.06

Date: 31.MAY.2016 18:43:34

Lowest channel

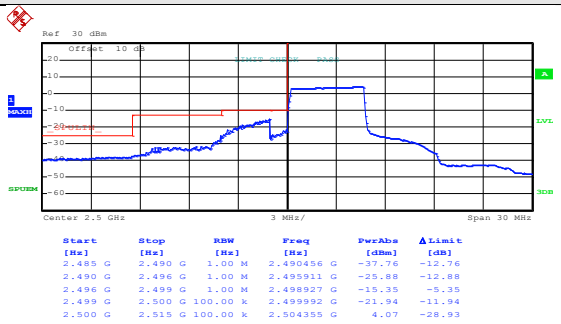


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.569395 G	6.88	-26.12
2.570 G	2.571 G	30.00 k	2.570008 G	-24.28	-14.28
2.571 G	2.575 G	1.00 M	2.571000 G	-12.84	-2.84
2.575 G	2.581 G	1.00 M	2.575048 G	-33.99	-20.99
2.581 G	2.585 G	1.00 M	2.581323 G	-40.29	-15.29

Date: 31.MAY.2016 18:45:19

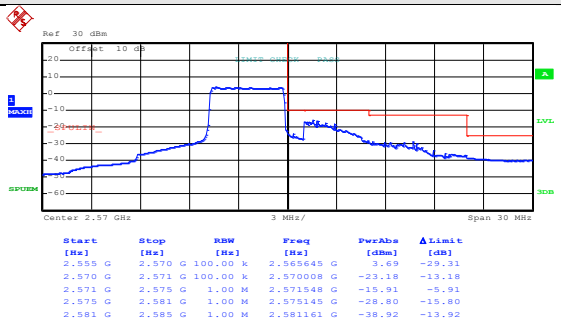
Highest channel

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



Date: 31.MAY.2016 18:43:55

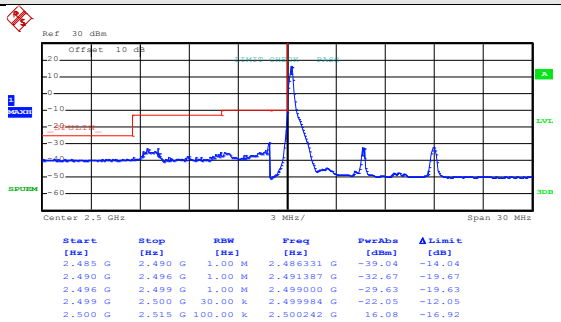
Lowest channel



Date: 31.MAY.2016 18:45:44

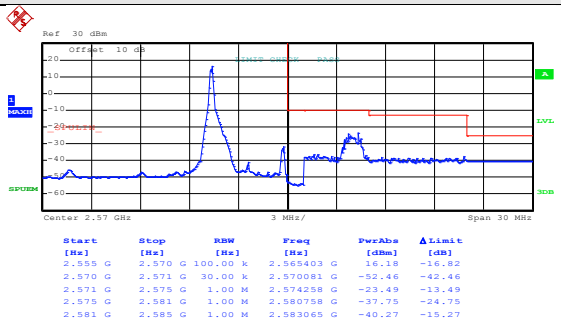
Highest channel

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



Date: 31.MAY.2016 18:42:49

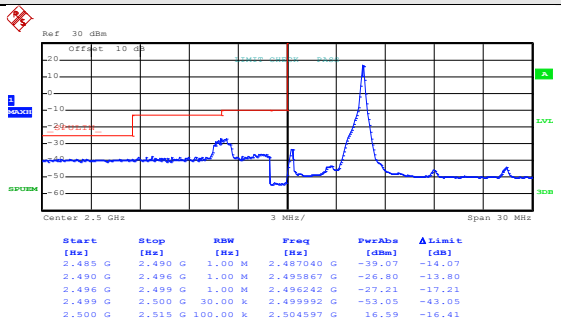
Lowest channel



Date: 31.MAY.2016 18:44:35

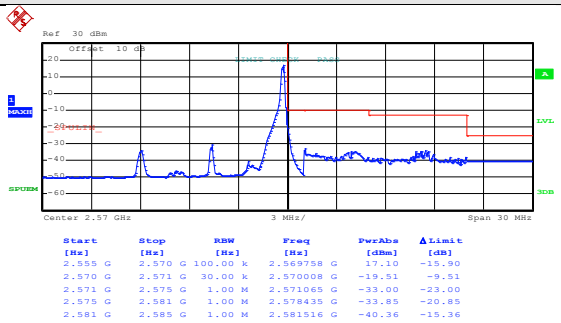
Highest channel

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



Date: 31.MAY.2016 18:43:08

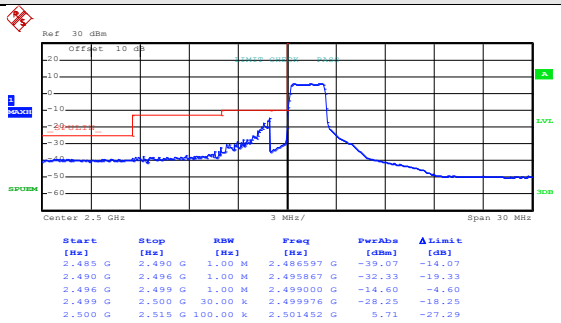
Lowest channel



Date: 31.MAY.2016 18:44:51

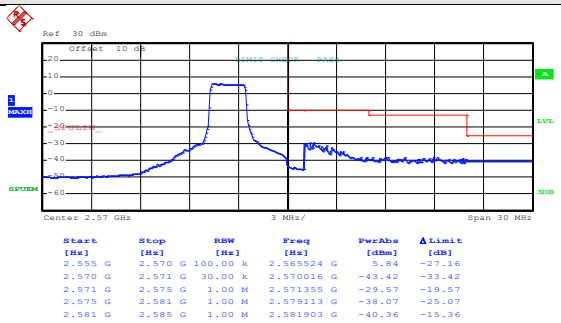
Highest channel

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



Date: 31.MAY.2016 18:43:25

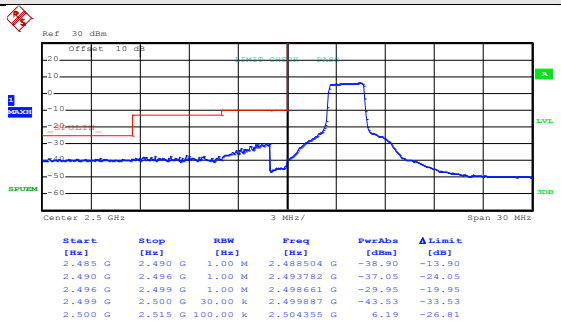
Lowest channel



Date: 31.MAY.2016 18:45:09

Highest channel

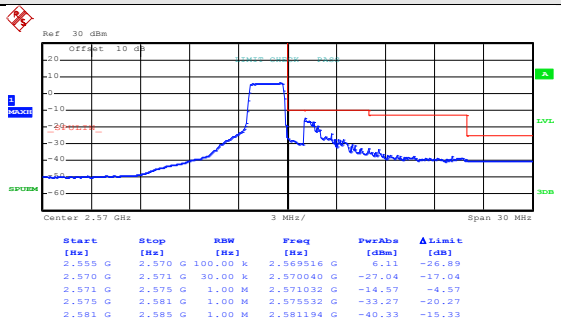
Test Mode:	LTE band 7(16QAM RB Size 12& RB Offset 11)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.485 G	2.490 G	1.00 M	2.488504 G	-38.90	-13.90
2.490 G	2.496 G	1.00 M	2.493782 G	-37.05	-24.05
2.496 G	2.499 G	1.00 M	2.498661 G	-29.95	-19.95
2.499 G	2.500 G	30.00 k	2.499887 G	-43.53	-33.53
2.500 G	2.515 G	100.00 k	2.504355 G	6.19	-26.81

Date: 31.MAY.2016 18:43:41

Lowest channel

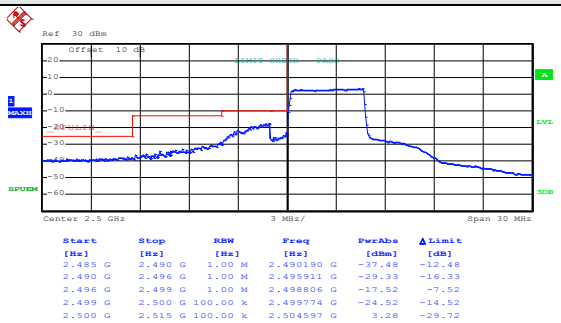


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.569516 G	6.11	-26.89
2.570 G	2.571 G	30.00 k	2.570040 G	-27.04	-17.04
2.571 G	2.575 G	1.00 M	2.571032 G	-14.57	-4.57
2.575 G	2.581 G	1.00 M	2.575532 G	-33.27	-20.27
2.581 G	2.585 G	1.00 M	2.581194 G	-40.33	-15.33

Date: 31.MAY.2016 18:45:28

Highest channel

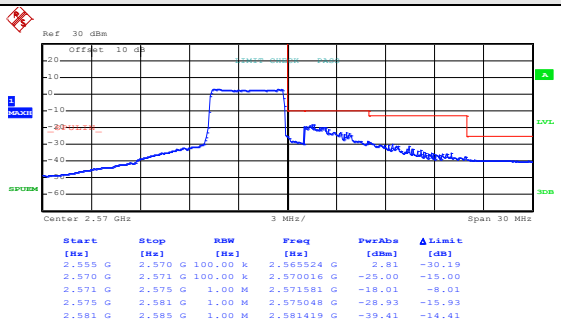
Test Mode:	LTE band 7(16QAM RB Size 25& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.485 G	2.490 G	1.00 M	2.490190 G	-37.48	-12.48
2.490 G	2.496 G	1.00 M	2.495911 G	-29.33	-16.33
2.496 G	2.499 G	1.00 M	2.498806 G	-17.52	-7.52
2.499 G	2.500 G	100.00 k	2.499774 G	-24.52	-14.52
2.500 G	2.515 G	100.00 k	2.504597 G	3.28	-29.72

Date: 31.MAY.2016 18:44:01

Lowest channel



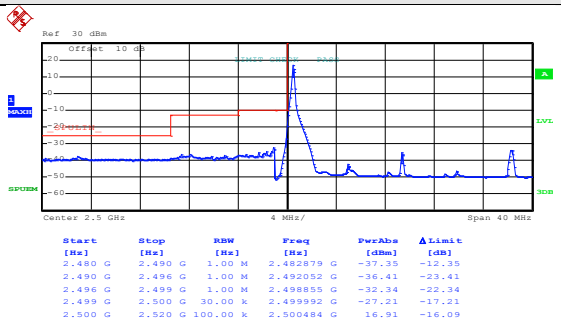
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.565524 G	2.81	-30.19
2.570 G	2.571 G	100.00 k	2.570016 G	-25.00	-15.00
2.571 G	2.575 G	1.00 M	2.571581 G	-18.01	-8.01
2.575 G	2.581 G	1.00 M	2.575048 G	-28.93	-15.93
2.581 G	2.585 G	1.00 M	2.581419 G	-39.41	-14.41

Date: 31.MAY.2016 18:45:50

Highest channel

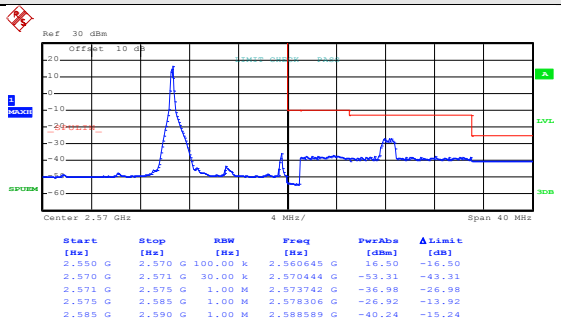
10MHz:

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



Date: 31.MAY.2016 18:47:22

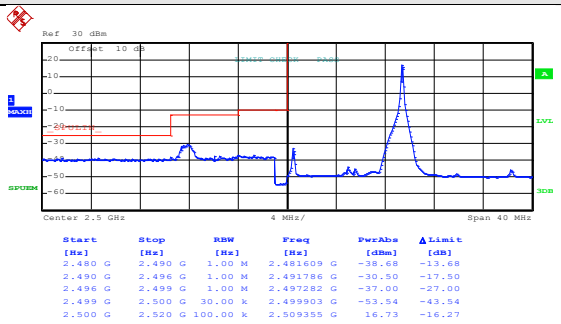
Lowest channel



Date: 31.MAY.2016 18:51:07

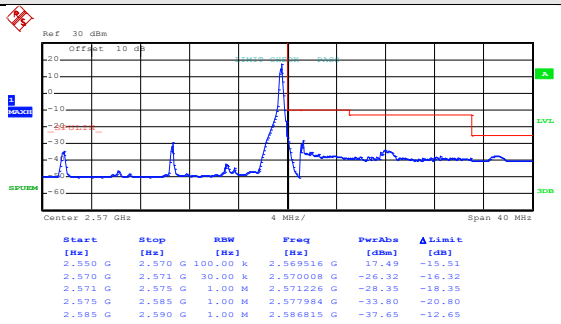
Highest channel

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



Date: 31.MAY.2016 18:47:38

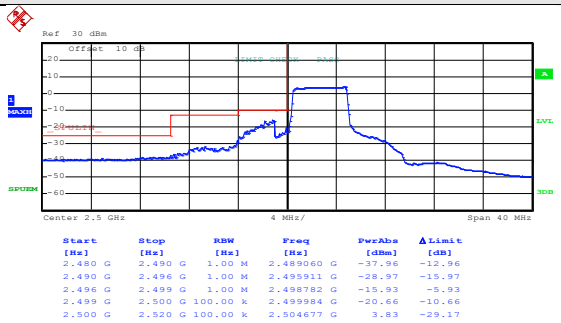
Lowest channel



Date: 31.MAY.2016 18:51:42

Highest channel

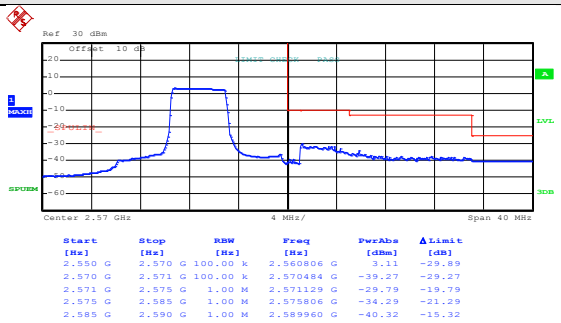
Test Mode:	LTE band 7(QPSK RB Size 25& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.489060 G	-37.96	-12.96
2.490 G	2.496 G	1.00 M	2.495911 G	-28.97	-15.97
2.496 G	2.499 G	1.00 M	2.498782 G	-15.93	-5.93
2.499 G	2.500 G	100.00 k	2.499984 G	-20.66	-10.66
2.500 G	2.520 G	100.00 k	2.504677 G	3.83	-29.17

Date: 31.MAY.2016 18:48:00

Lowest channel

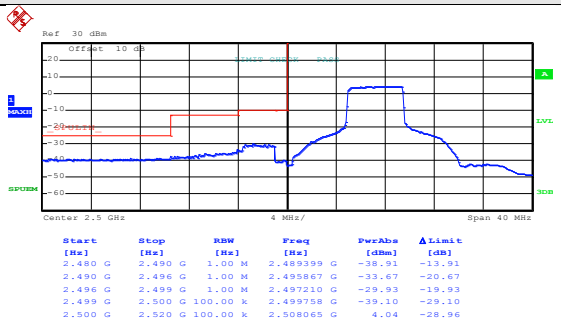


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.560806 G	3.11	-29.89
2.570 G	2.571 G	100.00 k	2.570484 G	-39.27	-29.27
2.571 G	2.575 G	1.00 M	2.571129 G	-29.79	-19.79
2.575 G	2.585 G	1.00 M	2.575806 G	-34.29	-21.29
2.585 G	2.590 G	1.00 M	2.589960 G	-40.32	-15.32

Date: 31.MAY.2016 18:52:32

Highest channel

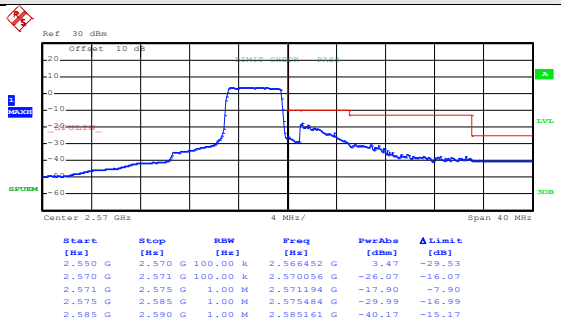
Test Mode:	LTE band 7(QPSK RB Size 25& RB Offset 24)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.489399 G	-38.91	-13.91
2.490 G	2.496 G	1.00 M	2.495867 G	-33.67	-20.67
2.496 G	2.499 G	1.00 M	2.497210 G	-29.93	-19.93
2.499 G	2.500 G	100.00 k	2.499758 G	-39.10	-29.10
2.500 G	2.520 G	100.00 k	2.508065 G	4.04	-28.96

Date: 31.MAY.2016 18:48:18

Lowest channel

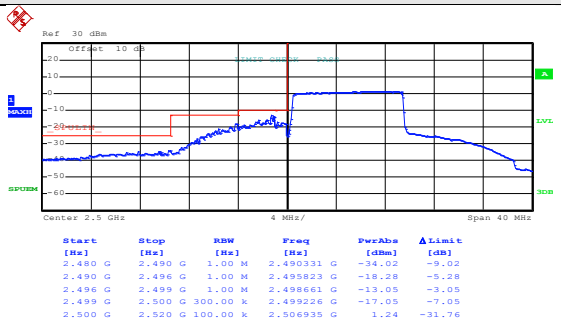


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.566452 G	3.47	-29.53
2.570 G	2.571 G	100.00 k	2.570056 G	-26.07	-16.07
2.571 G	2.575 G	1.00 M	2.571194 G	-17.90	-7.90
2.575 G	2.585 G	1.00 M	2.575484 G	-29.99	-16.99
2.585 G	2.590 G	1.00 M	2.585161 G	-40.17	-15.17

Date: 31.MAY.2016 18:52:52

Highest channel

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.490331 G	-34.02	-9.02
2.490 G	2.496 G	1.00 M	2.495823 G	-18.28	-5.28
2.496 G	2.499 G	1.00 M	2.498661 G	-13.05	-3.05
2.499 G	2.500 G	300.00 k	2.499226 G	-17.05	-7.05
2.500 G	2.520 G	100.00 k	2.506935 G	1.24	-31.76

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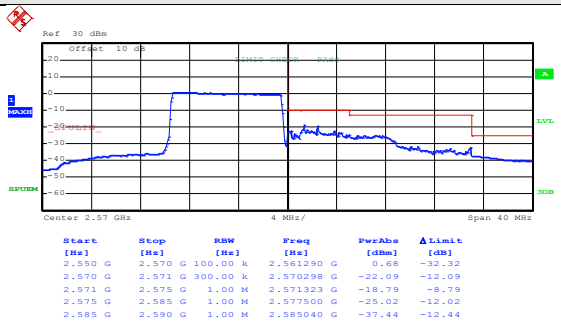
Lowest channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.561290 G	0.68	-32.32
2.570 G	2.571 G	300.00 k	2.570298 G	-22.09	-12.09
2.571 G	2.575 G	1.00 M	2.571323 G	-18.79	-8.79
2.575 G	2.585 G	1.00 M	2.577500 G	-25.02	-12.02
2.585 G	2.590 G	1.00 M	2.585040 G	-37.44	-12.44

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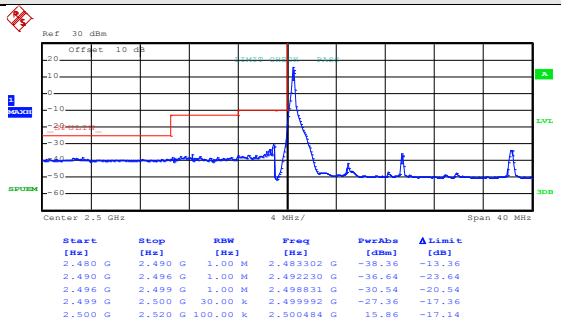
Highest channel

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.483302 G	-38.36	-13.36
2.490 G	2.496 G	1.00 M	2.492230 G	-36.64	-23.64
2.496 G	2.499 G	1.00 M	2.498831 G	-30.54	-20.54
2.499 G	2.500 G	30.00 k	2.499992 G	-27.36	-17.36
2.500 G	2.520 G	100.00 k	2.500484 G	15.86	-17.14

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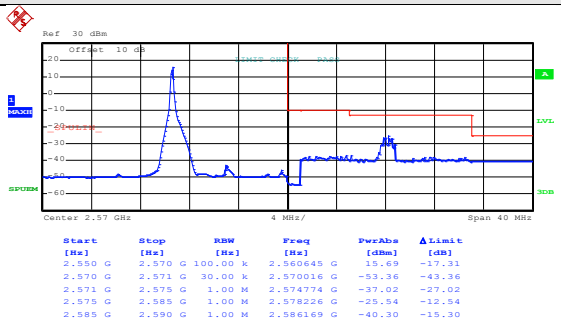
Lowest channel

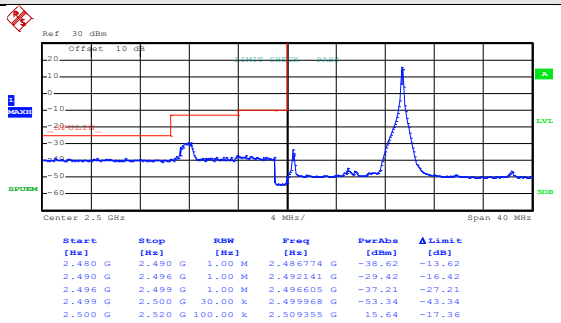


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.560645 G	15.69	-17.31
2.570 G	2.571 G	30.00 k	2.570016 G	-53.36	-43.36
2.571 G	2.575 G	1.00 M	2.574774 G	-37.02	-27.02
2.575 G	2.585 G	1.00 M	2.578226 G	-25.54	-12.54
2.585 G	2.590 G	1.00 M	2.586169 G	-40.30	-15.30

Date: 31.MAY.2016 18:51:16

Highest channel

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.486774 G	-38.62	-13.62
2.490 G	2.496 G	1.00 M	2.492141 G	-29.42	-16.42
2.496 G	2.499 G	1.00 M	2.496605 G	-37.21	-27.21
2.499 G	2.500 G	30.00 k	2.499968 G	-53.34	-43.34
2.500 G	2.520 G	100.00 k	2.509355 G	15.64	-17.36

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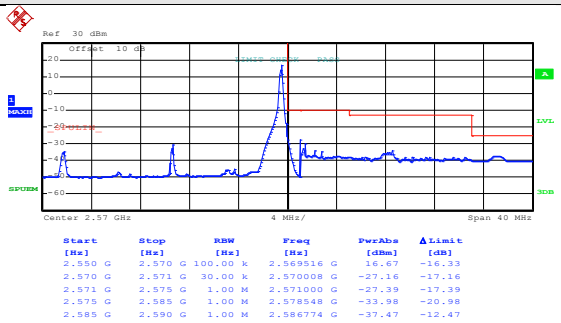
Lowest channel

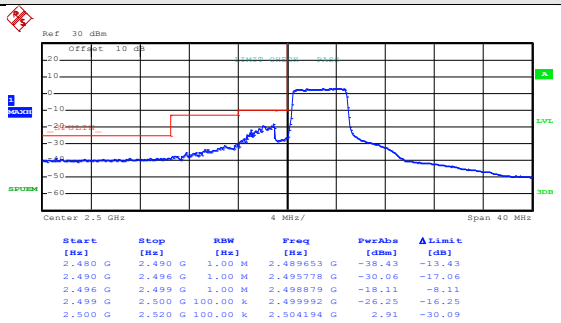


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.569516 G	16.67	-16.33
2.570 G	2.571 G	30.00 k	2.570008 G	-27.16	-17.16
2.571 G	2.575 G	1.00 M	2.571000 G	-27.39	-17.39
2.575 G	2.585 G	1.00 M	2.578548 G	-33.98	-20.98
2.585 G	2.590 G	1.00 M	2.586774 G	-37.47	-12.47

Date: 31.MAY.2016 18:52:02

Highest channel

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.489653 G	-38.43	-13.43
2.490 G	2.496 G	1.00 M	2.495778 G	-30.06	-17.06
2.496 G	2.499 G	1.00 M	2.498879 G	-18.11	-8.11
2.499 G	2.500 G	100.00 k	2.499992 G	-26.25	-16.25
2.500 G	2.520 G	100.00 k	2.504194 G	2.91	-30.09

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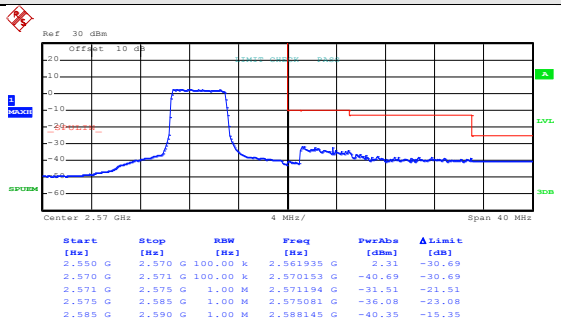
Lowest channel

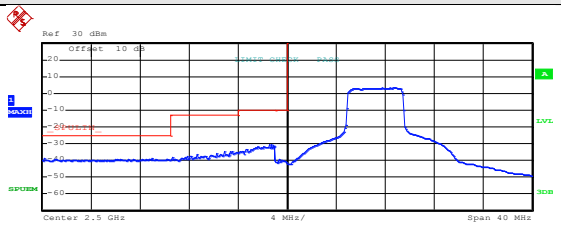


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.561935 G	2.31	-30.69
2.570 G	2.571 G	100.00 k	2.570153 G	-40.69	-30.69
2.571 G	2.575 G	1.00 M	2.571194 G	-31.51	-21.51
2.575 G	2.585 G	1.00 M	2.575081 G	-36.08	-23.08
2.585 G	2.590 G	1.00 M	2.588145 G	-40.35	-15.35

Date: 31.MAY.2016 18:52:41

Highest channel

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.488976 G	-38.73	-13.73
2.490 G	2.496 G	1.00 M	2.494847 G	-34.40	-21.40
2.496 G	2.499 G	1.00 M	2.498565 G	-30.34	-20.34
2.499 G	2.500 G	100.00 k	2.499339 G	-39.34	-29.34
2.500 G	2.520 G	100.00 k	2.508710 G	3.33	-29.67

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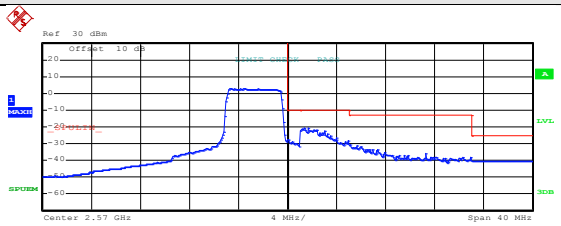
Lowest channel

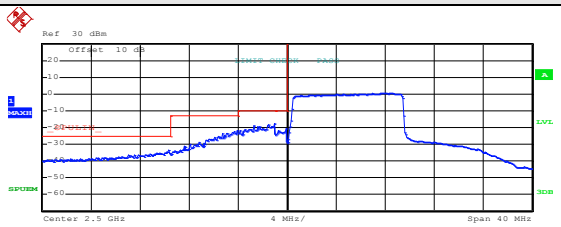


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.566452 G	2.86	-30.14
2.570 G	2.571 G	100.00 k	2.570048 G	-27.52	-17.52
2.571 G	2.575 G	1.00 M	2.571290 G	-20.73	-10.73
2.575 G	2.585 G	1.00 M	2.575081 G	-29.82	-16.82
2.585 G	2.590 G	1.00 M	2.586653 G	-40.25	-15.25

Date: 31.MAY.2016 18:53:01

Highest channel

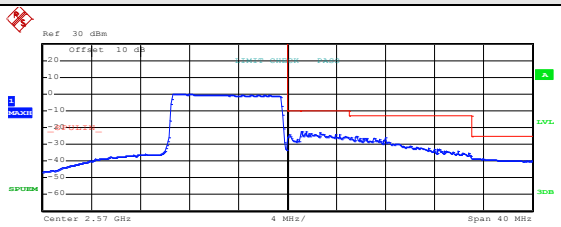
Test Mode:	LTE band 7(16QAM RB Size 50& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.480 G	2.490 G	1.00 M	2.490331 G	-33.58	-8.58
2.490 G	2.496 G	1.00 M	2.495645 G	-22.54	-9.54
2.496 G	2.499 G	1.00 M	2.499000 G	-17.66	-7.66
2.499 G	2.500 G	300.00 k	2.499927 G	-20.35	-10.35
2.500 G	2.520 G	100.00 k	2.508548 G	0.69	-32.31

Date: 31.MAY.2016 18:48:45

Lowest channel



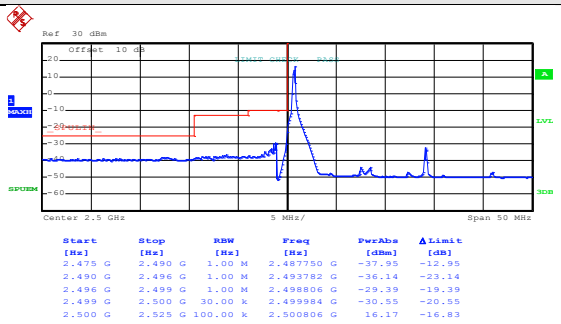
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.580645 G	-0.20	-33.20
2.570 G	2.571 G	300.00 k	2.570121 G	-24.38	-14.38
2.571 G	2.575 G	1.00 M	2.571129 G	-22.10	-12.10
2.575 G	2.585 G	1.00 M	2.575645 G	-25.03	-12.03
2.585 G	2.590 G	1.00 M	2.585121 G	-38.44	-13.44

Date: 31.MAY.2016 18:53:42

Highest channel

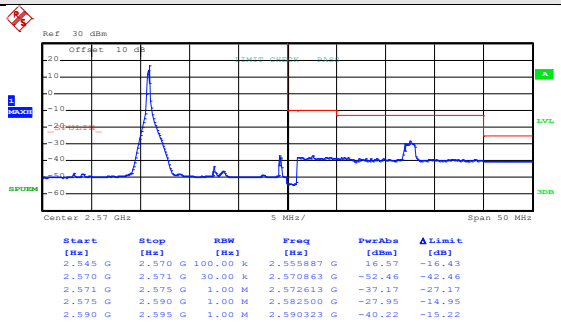
15MHz:

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



Date: 31.MAY.2016 18:54:59

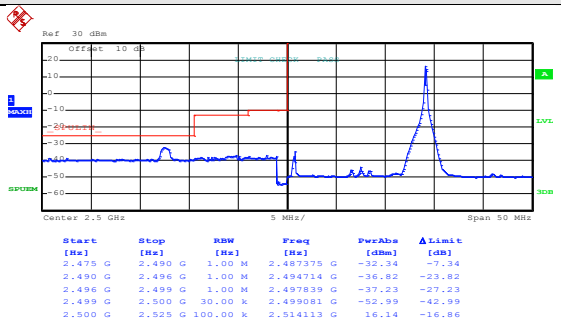
Lowest channel



Date: 31.MAY.2016 18:57:17

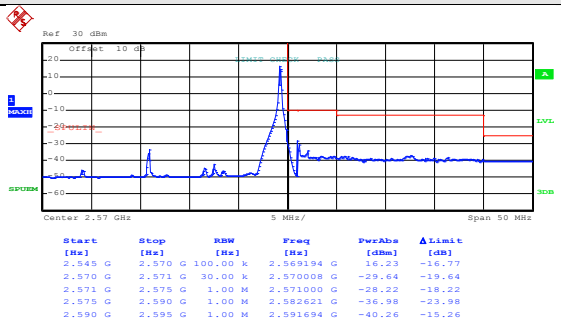
Highest channel

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



Date: 31.MAY.2016 18:55:44

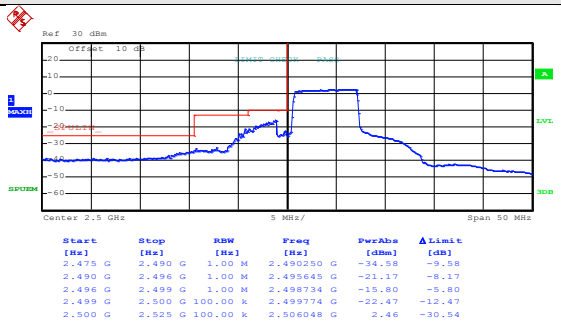
Lowest channel



Date: 31.MAY.2016 18:57:34

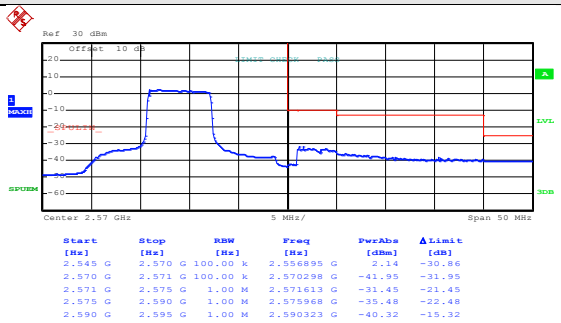
Highest channel

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



Date: 31.MAY.2016 18:56:07

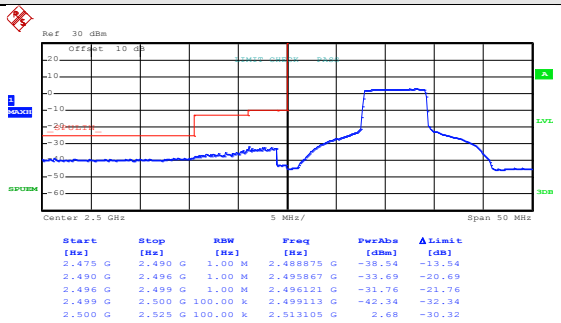
Lowest channel



Date: 31.MAY.2016 18:57:59

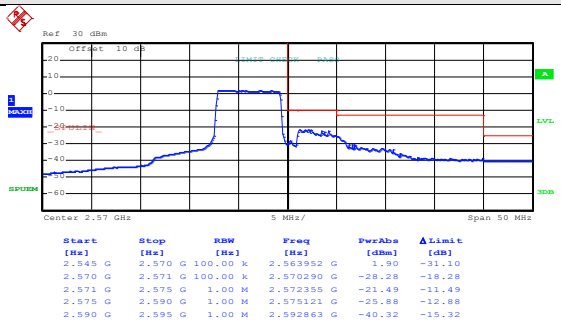
Highest channel

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



Date: 31.MAY.2016 18:56:24

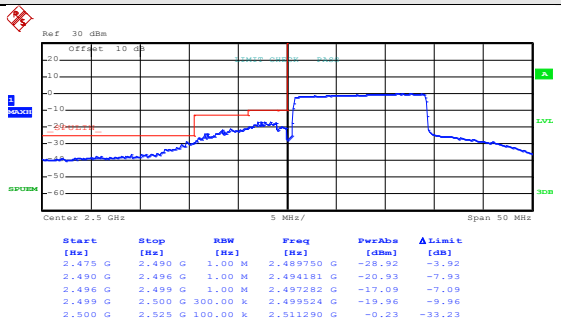
Lowest channel



Date: 31.MAY.2016 18:58:17

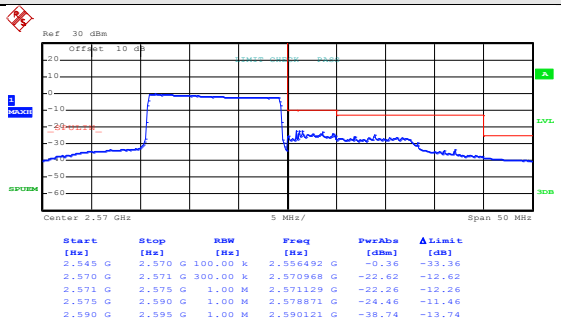
Highest channel

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



Date: 31.MAY.2016 18:56:46

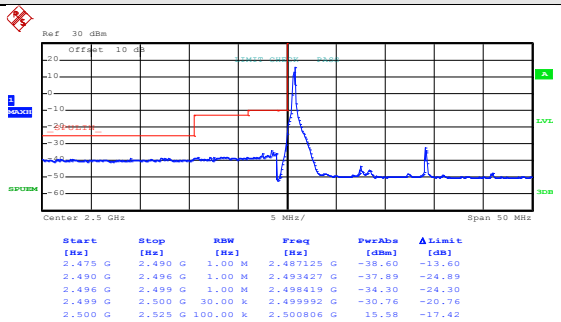
Lowest channel



Date: 31.MAY.2016 18:58:39

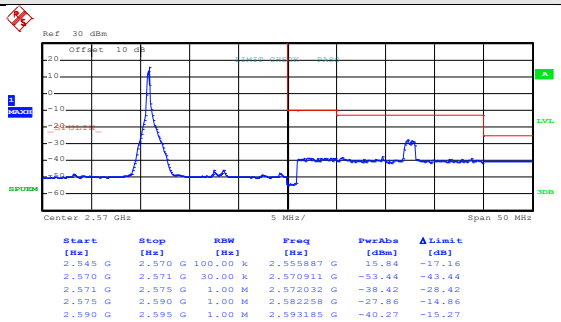
Highest channel

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



Date: 31.MAY.2016 18:55:10

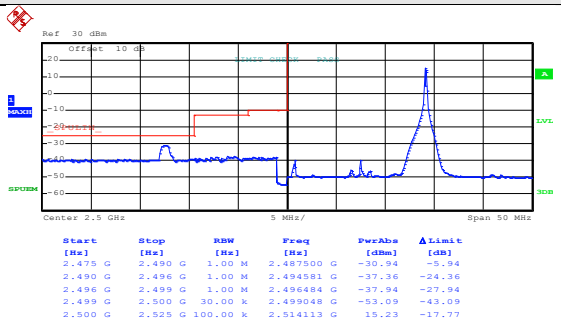
Lowest channel



Date: 31.MAY.2016 18:57:23

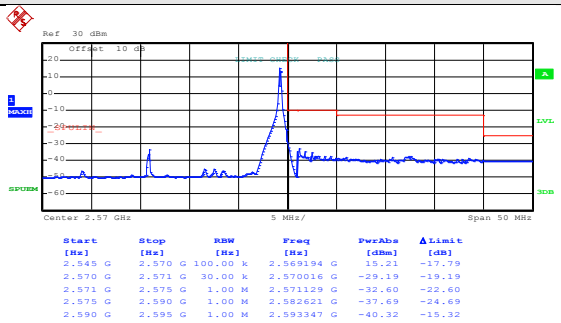
Highest channel

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



Date: 31.MAY.2016 18:55:52

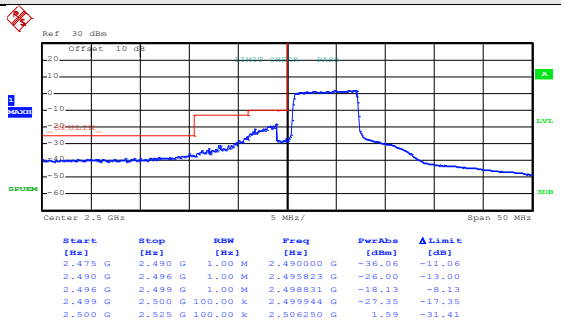
Lowest channel



Date: 31.MAY.2016 18:57:42

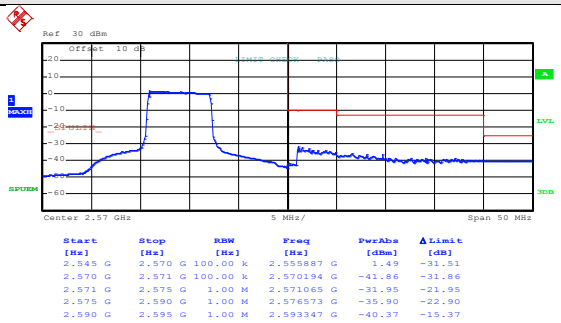
Highest channel

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



Date: 31.MAY.2016 18:56:14

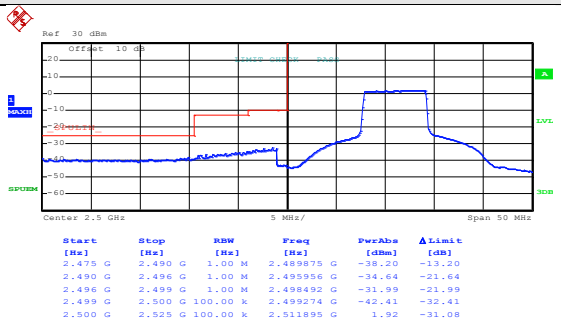
Lowest channel



Date: 31.MAY.2016 18:58:06

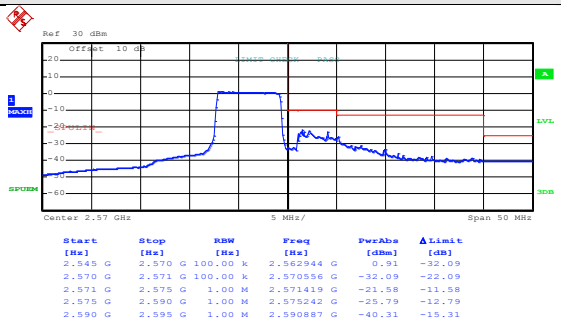
Highest channel

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



Date: 31.MAY.2016 18:56:32

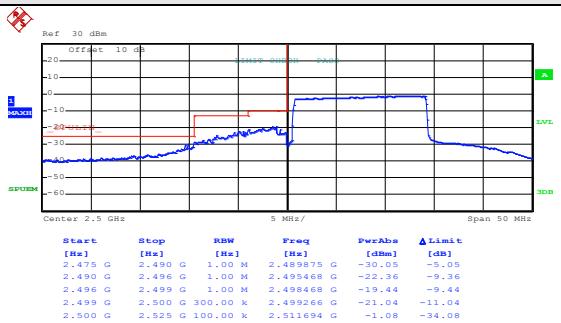
Lowest channel



Date: 31.MAY.2016 18:58:25

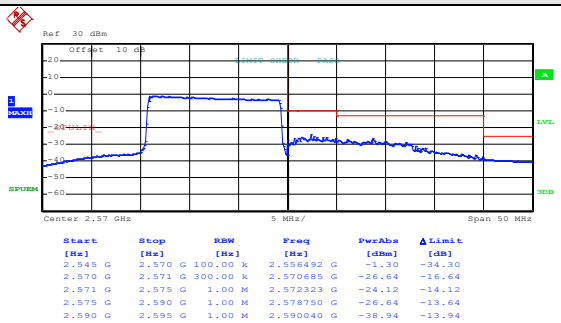
Highest channel

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



Date: 31.MAY.2016 18:56:53

Lowest channel

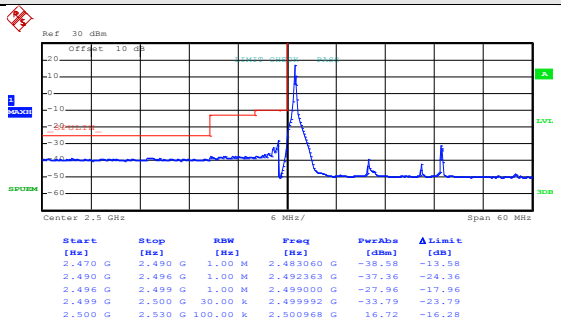


Date: 31.MAY.2016 18:58:45

Highest channel

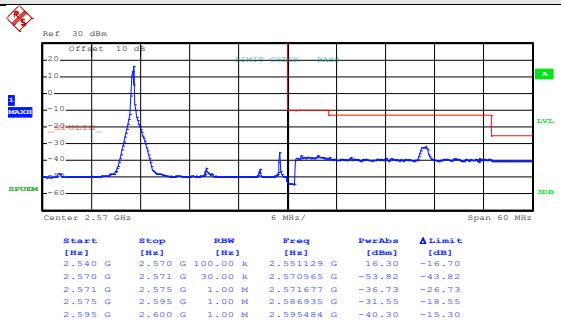
20MHz:

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



Date: 31.MAY.2016 18:59:49

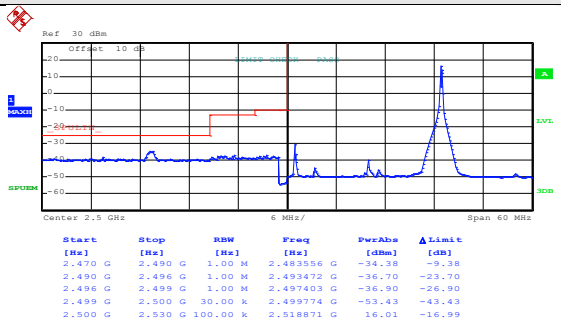
Lowest channel



Date: 31.MAY.2016 19:01:42

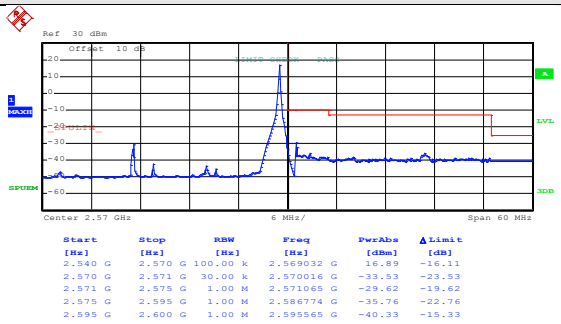
Highest channel

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



Date: 31.MAY.2016 19:00:08

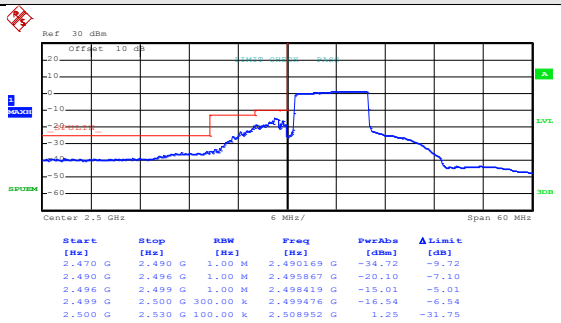
Lowest channel



Date: 31.MAY.2016 19:01:59

Highest channel

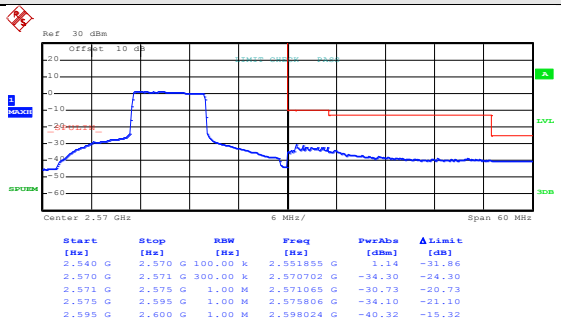
Test Mode:	LTE band 7(QPSK RB Size 50& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.470 G	2.490 G	1.00 M	2.490169 G	-34.72	-9.72
2.490 G	2.496 G	1.00 M	2.495867 G	-20.10	-7.10
2.496 G	2.499 G	1.00 M	2.498419 G	-15.01	-5.01
2.499 G	2.500 G	300.00 k	2.499476 G	-16.54	-6.54
2.500 G	2.530 G	100.00 k	2.508952 G	1.25	-31.75

Date: 31.MAY.2016 19:00:34

Lowest channel

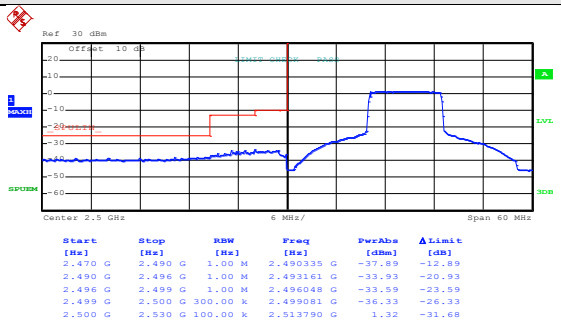


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.540 G	2.570 G	100.00 k	2.551855 G	1.14	-31.86
2.570 G	2.571 G	300.00 k	2.570702 G	-34.30	-24.30
2.571 G	2.575 G	1.00 M	2.571065 G	-30.73	-20.73
2.575 G	2.595 G	1.00 M	2.575806 G	-34.10	-21.10
2.595 G	2.600 G	1.00 M	2.598024 G	-40.32	-15.32

Date: 31.MAY.2016 19:02:28

Highest channel

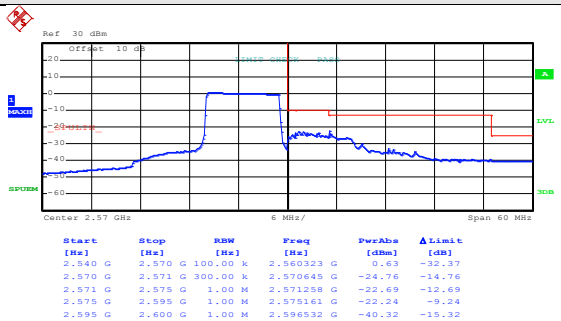
Test Mode:	LTE band 7(QPSK RB Size 50& RB Offset 49)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.470 G	2.490 G	1.00 M	2.490335 G	-37.89	-12.89
2.490 G	2.496 G	1.00 M	2.493161 G	-33.93	-20.93
2.496 G	2.499 G	1.00 M	2.496048 G	-33.59	-23.59
2.499 G	2.500 G	300.00 k	2.499081 G	-36.33	-26.33
2.500 G	2.530 G	100.00 k	2.513790 G	1.32	-31.68

Date: 31.MAY.2016 19:00:54

Lowest channel

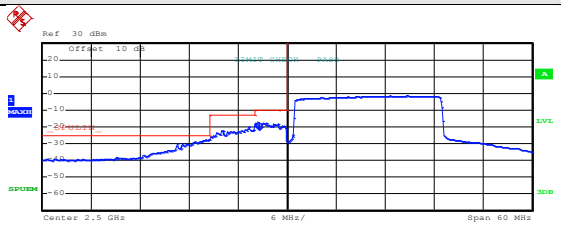


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.540 G	2.570 G	100.00 k	2.560323 G	0.63	-32.37
2.570 G	2.571 G	300.00 k	2.570645 G	-24.76	-14.76
2.571 G	2.575 G	1.00 M	2.571258 G	-22.69	-12.69
2.575 G	2.595 G	1.00 M	2.575161 G	-22.24	-9.24
2.595 G	2.600 G	1.00 M	2.596532 G	-40.32	-15.32

Date: 31.MAY.2016 19:03:00

Highest channel

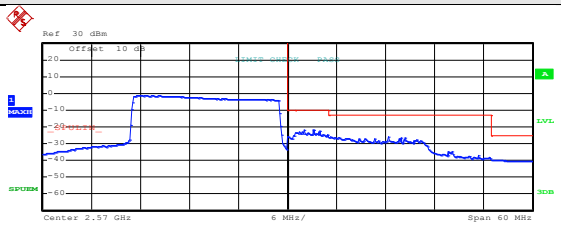
Test Mode:	LTE band 7(QPSK RB Size 100& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.470 G	2.490 G	1.00 M	2.490004 G	-27.68	-2.68
2.490 G	2.496 G	1.00 M	2.495290 G	-20.14	-7.14
2.496 G	2.499 G	1.00 M	2.496435 G	-17.12	-7.12
2.499 G	2.500 G	300.00 k	2.499613 G	-19.62	-9.62
2.500 G	2.530 G	100.00 k	2.514758 G	-1.50	-34.50

Date: 31.MAY.2016 19:01:14

Lowest channel

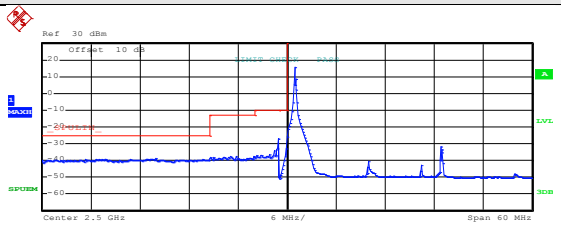


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.540 G	2.570 G	100.00 k	2.551613 G	-1.28	-34.28
2.570 G	2.571 G	300.00 k	2.570823 G	-25.28	-15.28
2.571 G	2.575 G	1.00 M	2.571968 G	-21.71	-11.71
2.575 G	2.595 G	1.00 M	2.582419 G	-25.97	-12.97
2.595 G	2.600 G	1.00 M	2.595161 G	-39.97	-14.97

Date: 31.MAY.2016 19:03:24

Highest channel

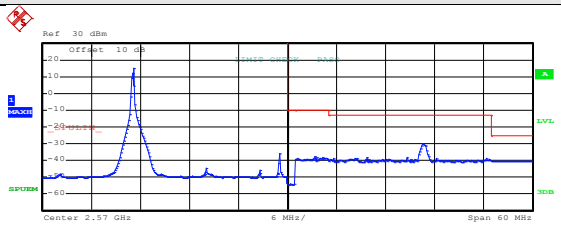
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.470 G	2.490 G	1.00 M	2.483887 G	-38.96	-13.96
2.490 G	2.496 G	1.00 M	2.493738 G	-37.35	-24.35
2.496 G	2.499 G	1.00 M	2.498976 G	-26.99	-16.99
2.499 G	2.500 G	30.00 k	2.499976 G	-33.60	-23.60
2.500 G	2.530 G	100.00 k	2.500968 G	15.70	-17.30

Date: 31.MAY.2016 18:59:57

Lowest channel

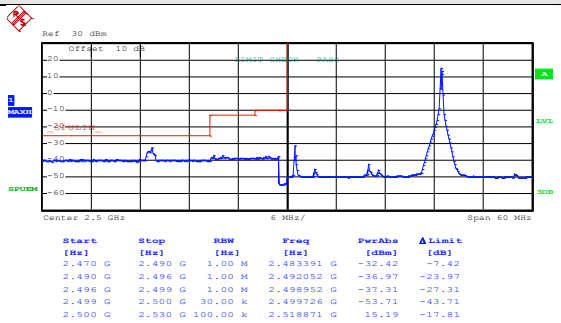


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.540 G	2.570 G	100.00 k	2.551129 G	15.27	-17.73
2.570 G	2.571 G	30.00 k	2.570347 G	-54.00	-44.00
2.571 G	2.575 G	1.00 M	2.573387 G	-37.34	-27.34
2.575 G	2.595 G	1.00 M	2.586613 G	-30.15	-17.15
2.595 G	2.600 G	1.00 M	2.596411 G	-40.40	-15.40

Date: 31.MAY.2016 19:01:50

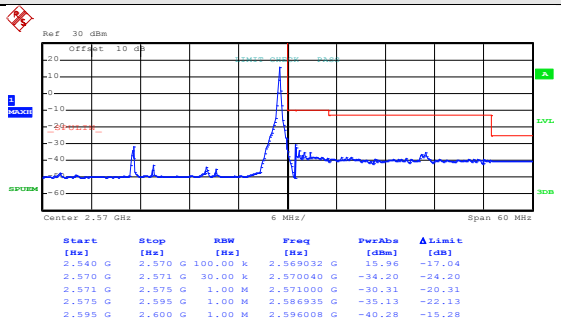
Highest channel

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



Date: 31.MAY.2016 19:00:16

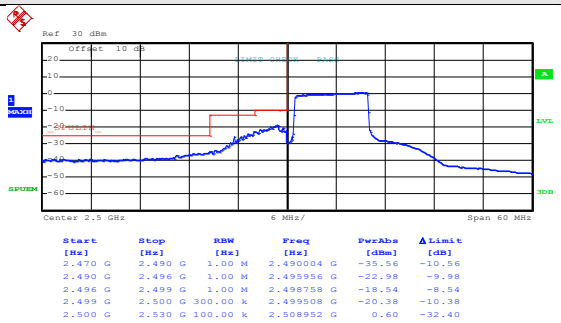
Lowest channel



Date: 31.MAY.2016 19:02:08

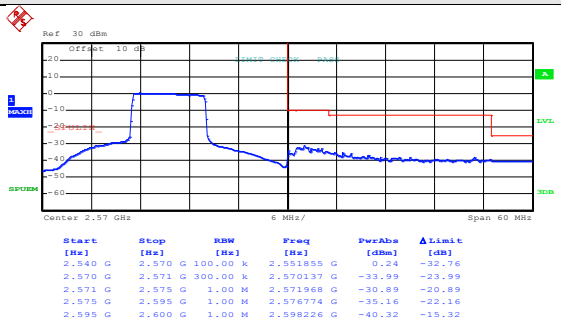
Highest channel

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



Date: 31.MAY.2016 19:00:43

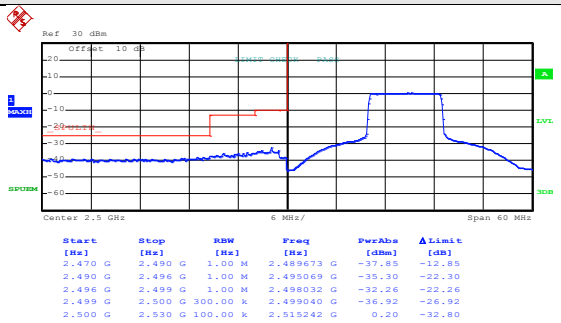
Lowest channel



Date: 31.MAY.2016 19:02:41

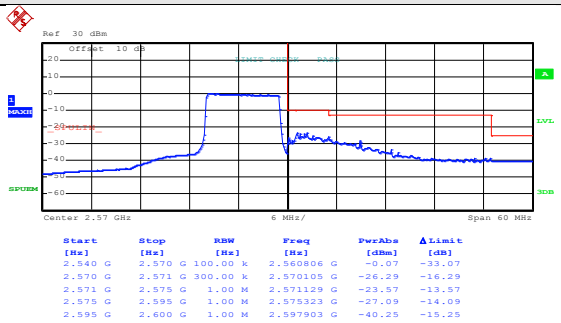
Highest channel

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



Date: 31.MAY.2016 19:01:03

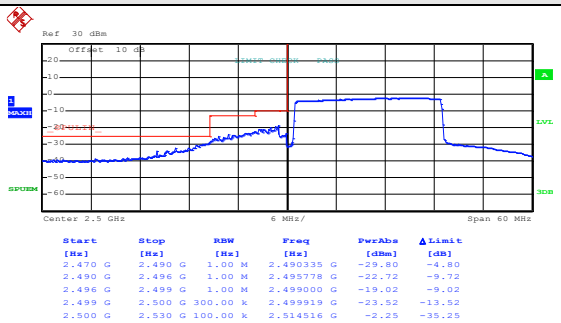
Lowest channel



Date: 31.MAY.2016 19:03:10

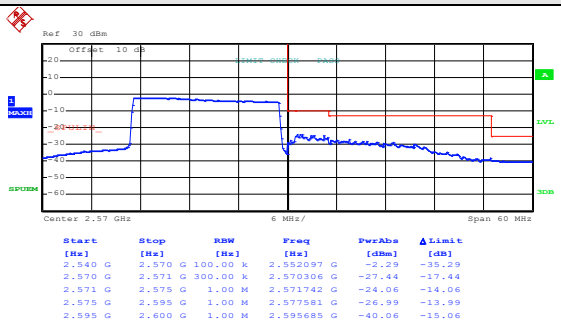
Highest channel

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



Date: 31.MAY.2016 19:01:20

Lowest channel

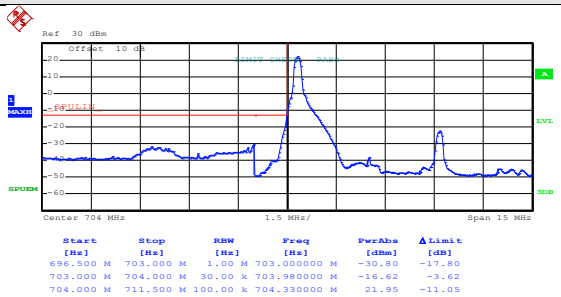


Date: 31.MAY.2016 19:03:33

Highest channel

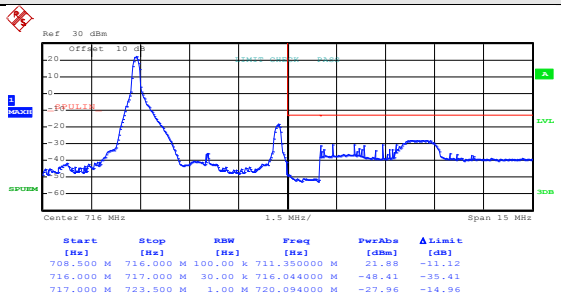
LTE band 17 part: 5MHz:

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



Date: 31.MAY.2016 16:52:46

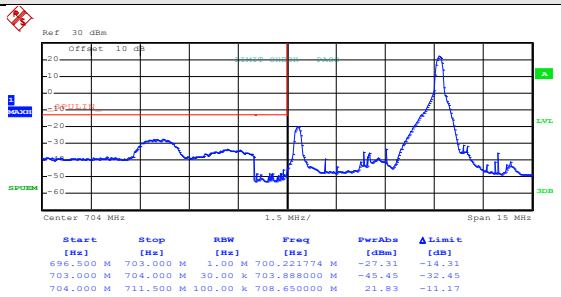
Lowest channel



Date: 31.MAY.2016 17:02:08

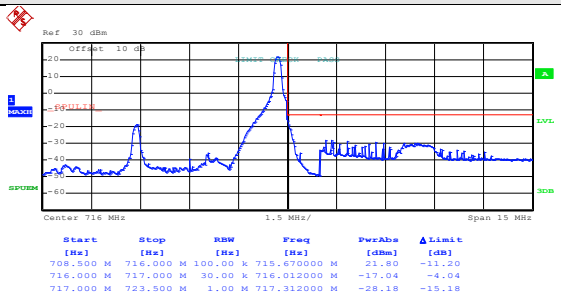
Highest channel

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



Date: 31.MAY.2016 17:00:44

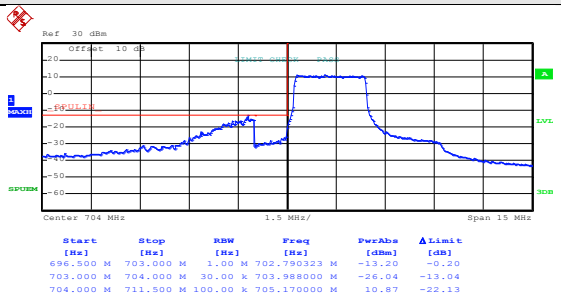
Lowest channel



Date: 31.MAY.2016 17:02:22

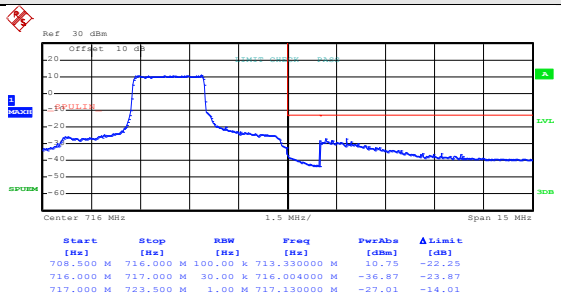
Highest channel

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



Date: 31.MAY.2016 17:01:02

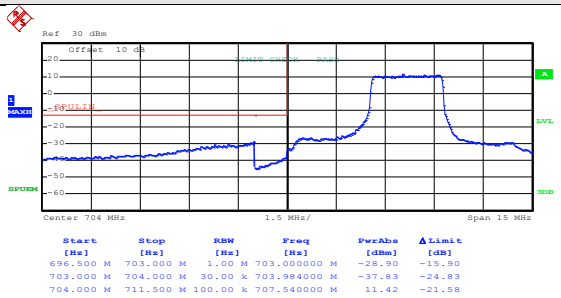
Lowest channel



Date: 31.MAY.2016 17:02:40

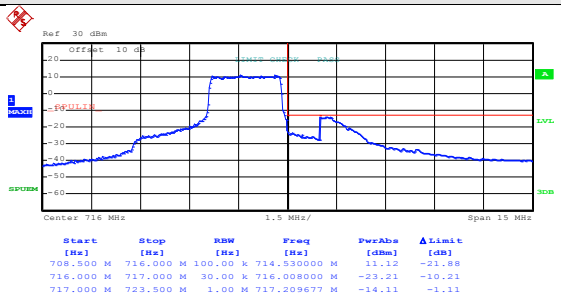
Highest channel

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



Date: 31.MAY.2016 17:01:17

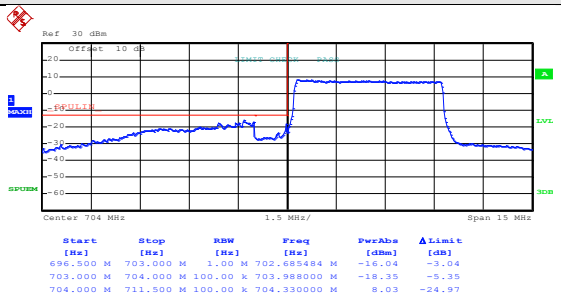
Lowest channel



Date: 31.MAY.2016 17:03:07

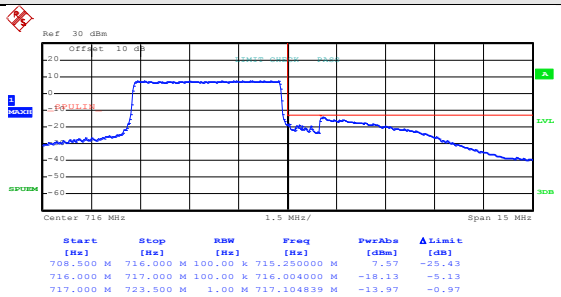
Highest channel

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



Date: 31.MAY.2016 17:01:38

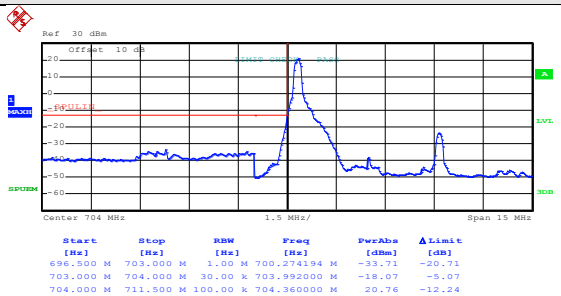
Lowest channel



Date: 31.MAY.2016 17:03:29

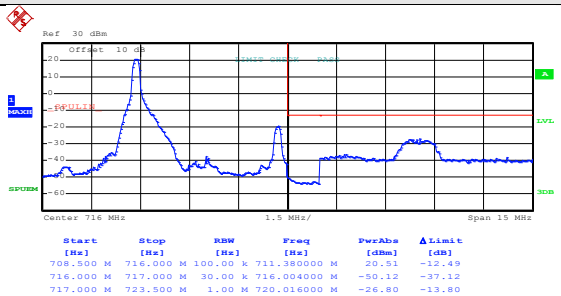
Highest channel

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



Date: 31.MAY.2016 17:00:33

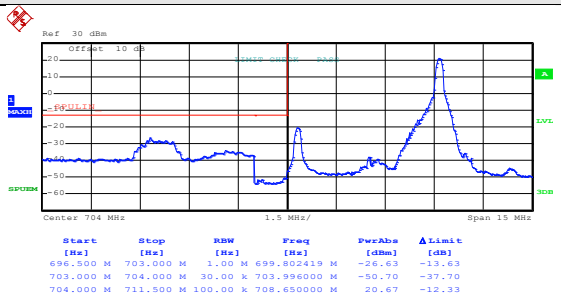
Lowest channel



Date: 31.MAY.2016 17:02:14

Highest channel

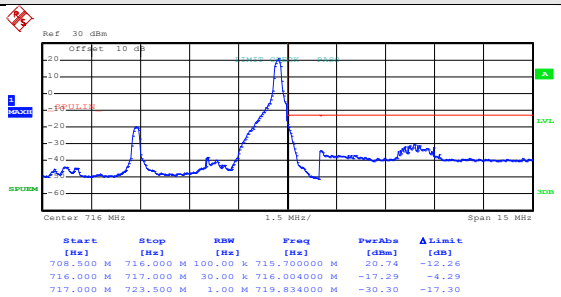
Test Mode:	LTE band 17(16QAM RB Size 1& RB Offset 24)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
696.500 M	703.000 M	1.00 M	699.802419 M	-26.63	-13.63
703.000 M	704.000 M	30.00 k	703.996000 M	-50.70	-37.70
704.000 M	711.500 M	100.00 k	708.650000 M	20.67	-12.33

Date: 31.MAY.2016 17:00:51

Lowest channel

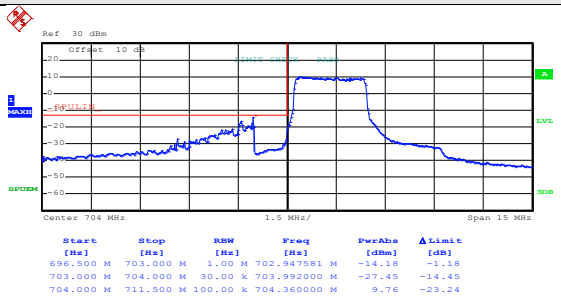


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
708.500 M	716.000 M	100.00 k	715.700000 M	20.74	-12.26
716.000 M	717.000 M	30.00 k	716.004000 M	-17.29	-4.29
717.000 M	723.500 M	1.00 M	719.834000 M	-30.30	-17.30

Date: 31.MAY.2016 17:02:30

Highest channel

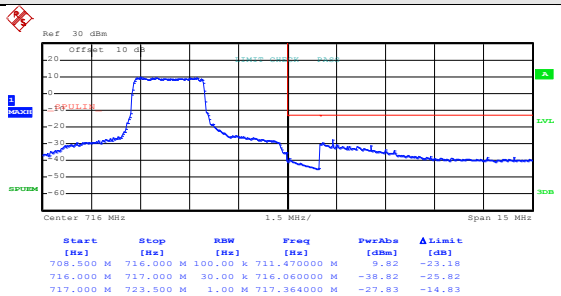
Test Mode:	LTE band 17(16QAM RB Size 12& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
696.500 M	703.000 M	1.00 M	702.947581 M	-14.18	-1.18
703.000 M	704.000 M	30.00 k	703.992000 M	-27.45	-14.45
704.000 M	711.500 M	100.00 k	704.360000 M	9.76	-23.24

Date: 31.MAY.2016 17:01:08

Lowest channel

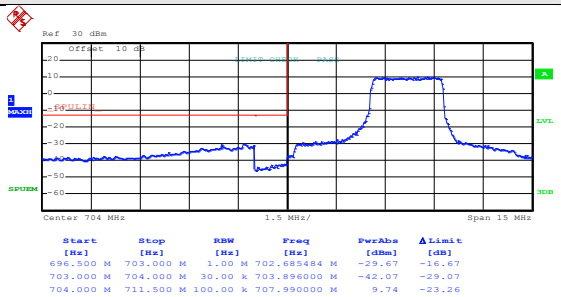


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
708.500 M	716.000 M	100.00 k	711.470000 M	9.82	-23.18
716.000 M	717.000 M	30.00 k	716.060000 M	-38.82	-25.82
717.000 M	723.500 M	1.00 M	717.364000 M	-27.83	-14.83

Date: 31.MAY.2016 17:02:47

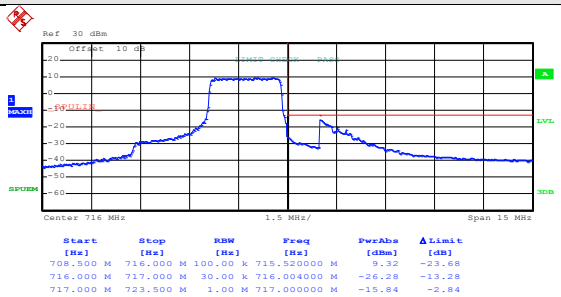
Highest channel

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



Date: 31.MAY.2016 17:01:24

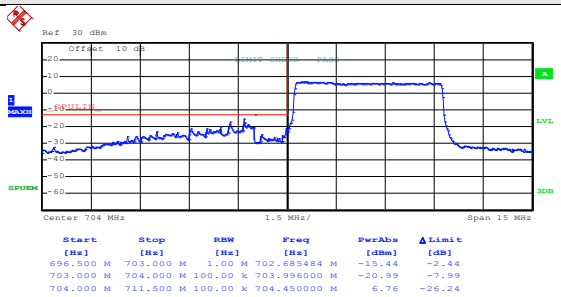
Lowest channel



Date: 31.MAY.2016 17:03:16

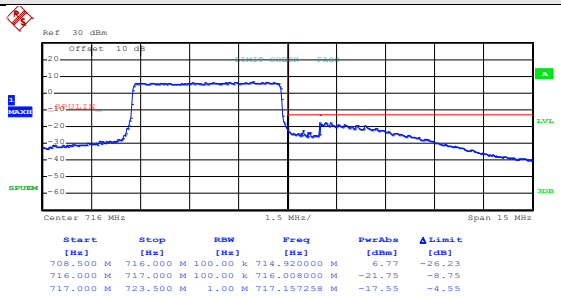
Highest channel

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



Date: 31.MAY.2016 17:01:43

Lowest channel

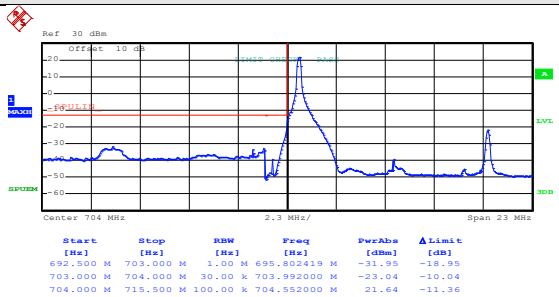


Date: 31.MAY.2016 17:03:36

Highest channel

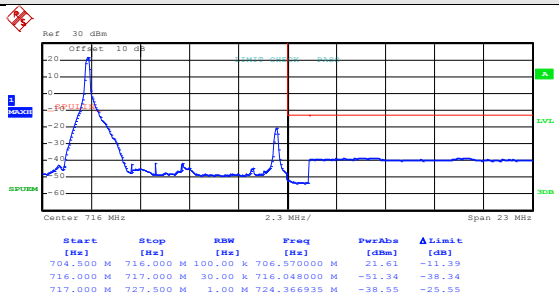
10MHz:

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



Date: 31.MAY.2016 17:04:16

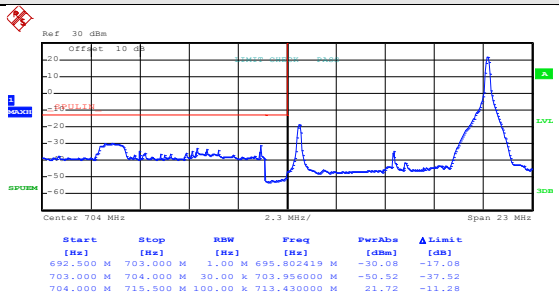
Lowest channel



Date: 31.MAY.2016 18:34:43

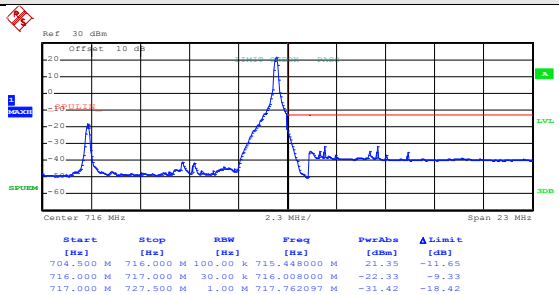
Highest channel

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



Date: 31.MAY.2016 17:04:32

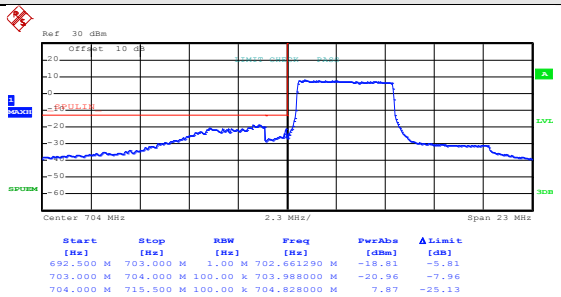
Lowest channel



Date: 31.MAY.2016 18:35:01

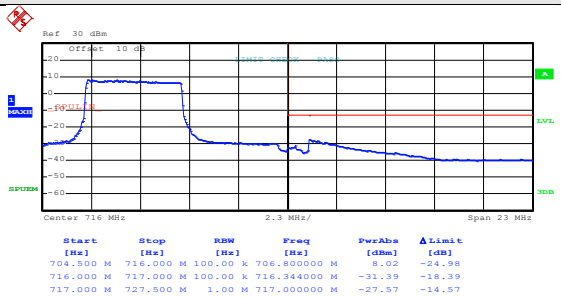
Highest channel

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



Date: 31.MAY.2016 17:04:53

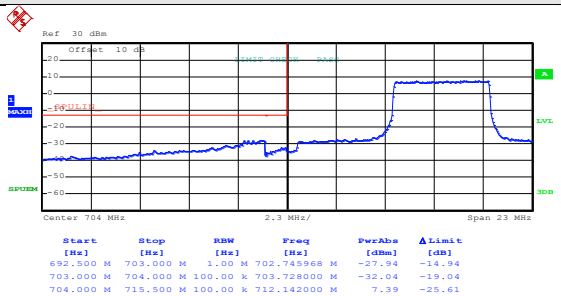
Lowest channel



Date: 31.MAY.2016 18:35:27

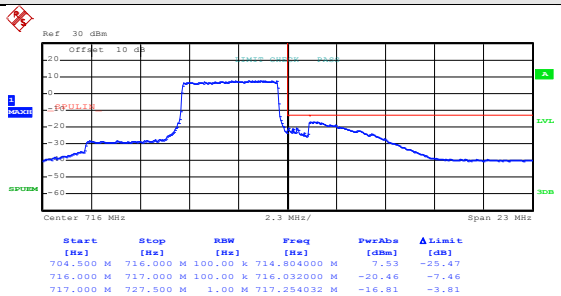
Highest channel

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



Date: 31.MAY.2016 18:33:09

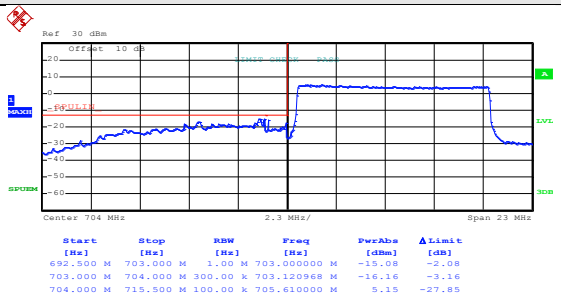
Lowest channel



Date: 31.MAY.2016 18:35:42

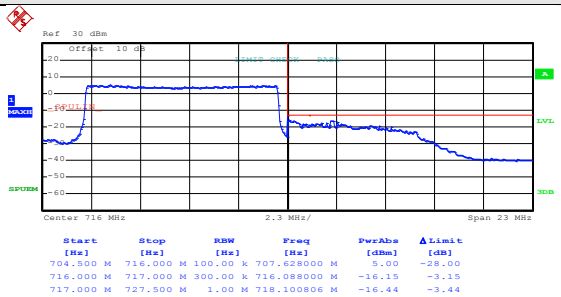
Highest channel

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



Date: 31.MAY.2016 18:33:48

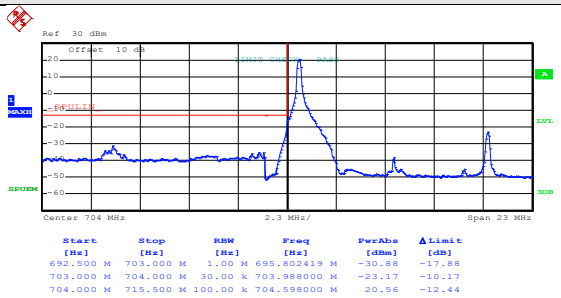
Lowest channel



Date: 31.MAY.2016 18:36:03

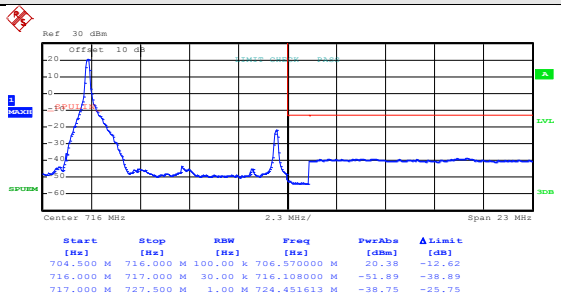
Highest channel

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



Date: 31.MAY.2016 17:04:22

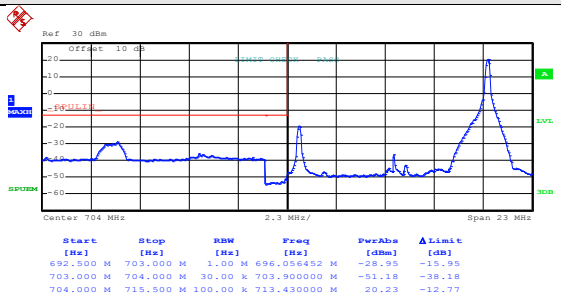
Lowest channel



Date: 31.MAY.2016 18:34:50

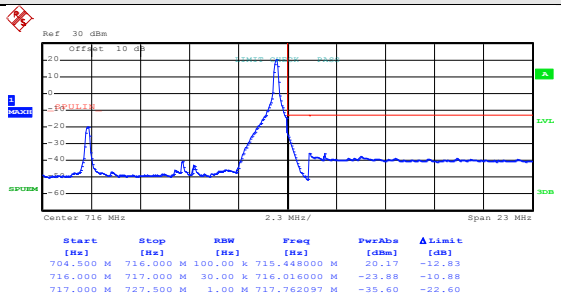
Highest channel

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



Date: 31.MAY.2016 17:04:40

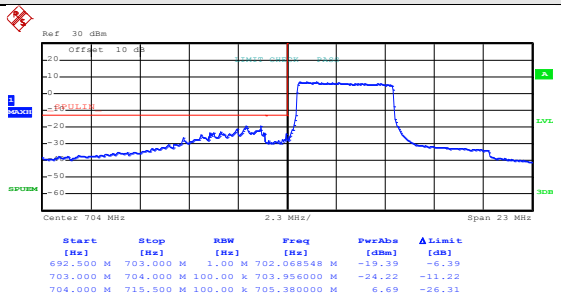
Lowest channel



Date: 31.MAY.2016 18:35:08

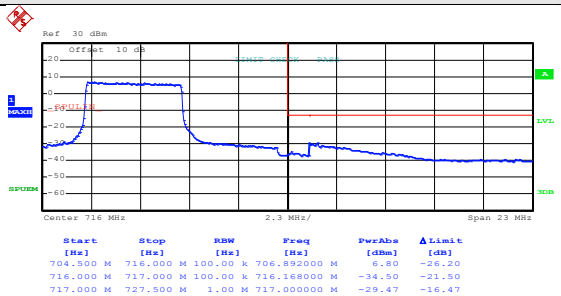
Highest channel

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



Date: 31.MAY.2016 18:32:59

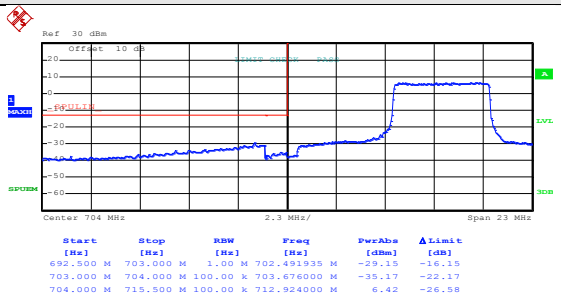
Lowest channel



Date: 31.MAY.2016 18:35:33

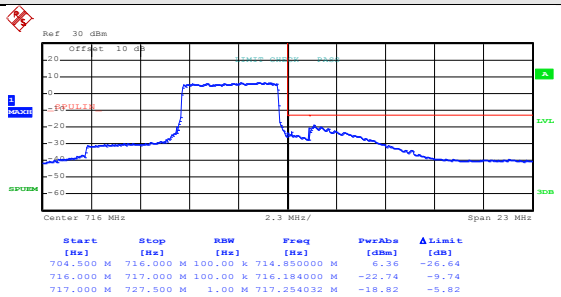
Highest channel

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



Date: 31.MAY.2016 18:33:18

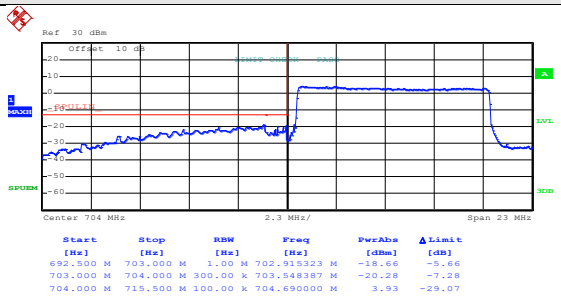
Lowest channel



Date: 31.MAY.2016 18:35:49

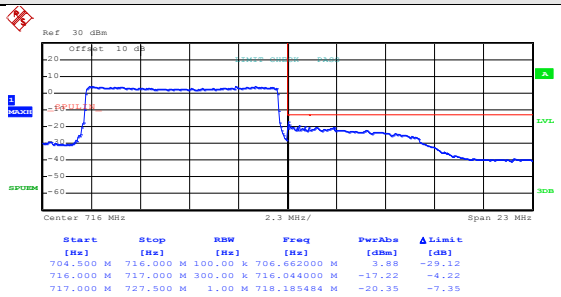
Highest channel

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



Date: 31.MAY.2016 18:33:54

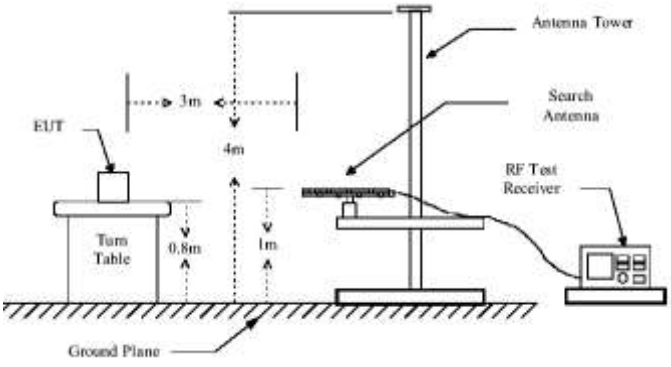
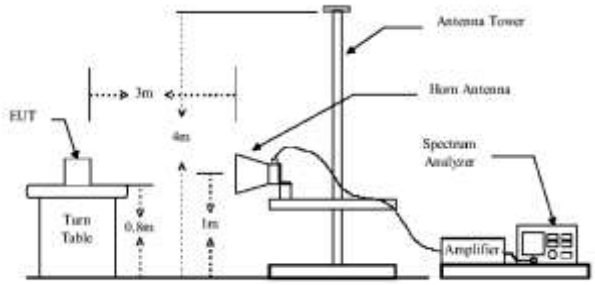
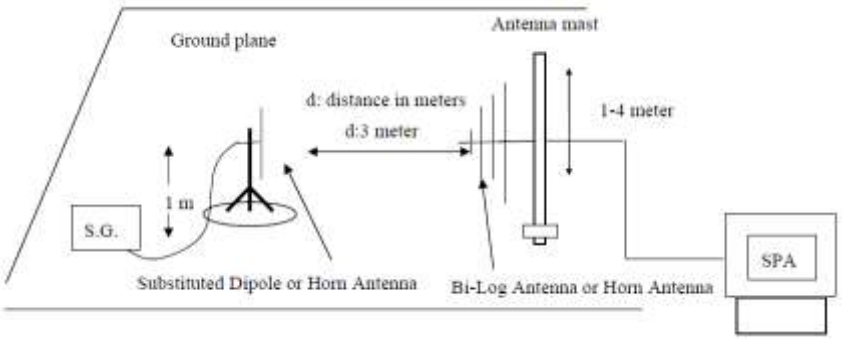
Lowest channel



Date: 31.MAY.2016 18:36:08

Highest channel

6.10 ERP, EIRP Measurement

Test Requirement:	FCC part 22.913 (a), 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 5: 7W 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: ERP = S.G. 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. output (dBm) + Antenna Gain (dBi) – 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	19.78	33.00	Pass
					H	15.62		
1850.70	18607	16QAM	1.4	H	V	20.14		
					H	14.75		
1.4MHz(RB size 3 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	20.08	33.00	Pass
					H	14.78		
1850.70	18607	16QAM	1.4	H	V	19.65		
					H	14.78		
1.4MHz(RB size 6 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	18.19	33.00	Pass
					H	10.93		
1850.70	18607	16QAM	1.4	H	V	18.94		
					H	12.48		

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	19.18	33.00	Pass
					H	15.85		
1880.00	18900	16QAM	1.4	H	V	20.50		
					H	14.07		
1.4MHz(RB size 3 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	20.71	33.00	Pass
					H	14.11		
1880.00	18900	16QAM	1.4	H	V	19.13		
					H	14.30		
1.4MHz(RB size 6 & RB offset 0)								
1880.00	18900	QPSK	1.40	H	V	18.04	33.00	Pass
					H	10.47		
1880.00	18900	16QAM	1.40	H	V	18.73		
					H	12.74		

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	19.45	33.00	Pass
					H	15.55		
1909.30	19193	16QAM	1.4	H	V	20.50		
					H	14.01		
1.4MHz(RB size 3 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	20.12	33.00	Pass
					H	14.24		
1909.30	19193	16QAM	1.4	H	V	19.24		
					H	14.48		
1.4MHz(RB size 6 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	18.83	33.00	Pass
					H	10.39		
1909.30	19193	16QAM	1.4	H	V	18.30		
					H	12.03		

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	19.88	33.00	Pass
					H	14.06		
1860.00	18700	16QAM	20	H	V	20.67		
					H	14.24		
20MHz(RB size 50 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	18.94	33.00	Pass
					H	13.07		
1860.00	18700	16QAM	20	H	V	19.29		
					H	12.63		
20MHz(RB size 100 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	17.69	33.00	Pass
					H	11.60		
1860.00	18700	16QAM	20	H	V	18.09		
					H	11.56		

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)								
1880.00	18900	QPSK	20	H	V	19.54	33.00	Pass
					H	14.41		
1880.00	18900	16QAM	20	H	V	20.18		
					H	14.81		
20MHz(RB size 50 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	18.10	33.00	Pass
					H	13.03		
1880.00	18900	16QAM	20	H	V	19.39		
					H	12.93		
20MHz(RB size 100 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	17.36	33.00	Pass
					H	11.65		
1880.00	18900	16QAM	20	H	V	18.51		
					H	11.11		

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	19.14	33.00	Pass
					H	14.55		
1900.00	19100	16QAM	20	H	V	20.41		
					H	14.13		
20MHz(RB size 50 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	18.34	33.00	Pass
					H	13.46		
1900.00	19100	16QAM	20	H	V	19.58		
					H	12.81		
20MHz(RB size 100 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	17.17	33.00	Pass
					H	11.57		
1900.00	19100	16QAM	20	H	V	18.73		
					H	11.41		

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	20.85	30.00	Pass
					H	16.84		
1710.70	19957	16QAM	1.4	H	V	20.84		
					H	16.03		
1.4MHz(RB size 3 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	21.11	30.00	Pass
					H	15.89		
1710.70	19957	16QAM	1.4	H	V	20.26		
					H	15.64		
1.4MHz(RB size 6 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	19.11	30.00	Pass
					H	14.60		
1710.70	19957	16QAM	1.4	H	V	19.08		
					H	14.65		

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	16.71		
1732.50	20175	16QAM	1.4	H	V	20.10		
					H	16.06		
1.4MHz(RB size 3 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	21.69	30.00	Pass
					H	15.99		
1732.50	20175	16QAM	1.4	H	V	20.92		
					H	15.27		
1.4MHz(RB size 6 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	19.79	30.00	Pass
					H	14.96		
1732.50	20175	16QAM	1.4	H	V	19.63		
					H	14.37		

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	20.73	30.00	Pass
					H	16.34		
1754.30	20393	16QAM	1.4	H	V	20.45		
					H	16.52		
1.4MHz(RB size 3 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	21.27	30.00	Pass
					H	15.70		
1754.30	20393	16QAM	1.4	H	V	20.14		
					H	15.01		
1.4MHz(RB size 6 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	19.46	30.00	Pass
					H	14.65		
1754.30	20393	16QAM	1.4	H	V	19.53		
					H	14.39		

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	20.59	30.00	Pass
					H	16.17		
1720.00	20050	16QAM	20	H	V	21.05		
					H	16.25		
20MHz(RB size 50 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	20.31	30.00	Pass
					H	15.57		
1720.00	20050	16QAM	20	H	V	20.66		
					H	20.33		
20MHz(RB size 100 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	18.19	30.00	Pass
					H	13.14		
1720.00	20050	16QAM	20	H	V	18.38		
					H	13.71		

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	20.36	30.00	Pass
					H	16.64		
1732.50	20175	16QAM	20	H	V	21.47		
					H	16.73		
20MHz(RB size 50 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	20.31	30.00	Pass
					H	15.10		
1732.50	20175	16QAM	20	H	V	20.03		
					H	20.93		
20MHz(RB size 100 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	18.38	30.00	Pass
					H	13.83		
1732.50	20175	16QAM	20	H	V	18.81		
					H	13.10		

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	20.71	30.00	Pass
					H	16.13		
1745.00	20300	16QAM	20	H	V	21.38		
					H	16.89		
20MHz(RB size 50 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	20.28	30.00	Pass
					H	15.89		
1745.00	20300	16QAM	20	H	V	20.91		
					H	20.13		
20MHz(RB size 100 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	18.37	30.00	Pass
					H	13.73		
1745.00	20300	16QAM	20	H	V	18.55		
					H	13.27		

LTE band 5 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)								
824.70	20407	QPSK	1.4	H	V	24.45	38.45	Pass
					H	22.08		
824.70	20407	16QAM	1.4	H	V	23.36		
					H	21.93		
1.4MHz(RB size 3& RB offset 0)								
824.70	20407	QPSK	1.4	H	V	23.42	38.45	Pass
					H	21.12		
824.70	20407	16QAM	1.4	H	V	23.17		
					H	20.88		
1.4MHz(RB size 6& RB offset 0)								
824.70	20407	QPSK	1.4	H	V	21.95	38.45	Pass
					H	19.27		
824.70	20407	16QAM	1.4	H	V	21.96		
					H	18.98		

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)								
836.50	20525	QPSK	1.4	H	V	24.82	38.45	Pass
					H	22.24		
836.50	20525	16QAM	1.4	H	V	23.47		
					H	21.72		
1.4MHz(RB size 3& RB offset 0)								
836.50	20525	QPSK	1.4	H	V	23.22	38.45	Pass
					H	21.21		
836.50	20525	16QAM	1.4	H	V	23.13		
					H	20.34		
1.4MHz(RB size 6& RB offset 0)								
836.50	20525	QPSK	1.4	H	V	21.43	38.45	Pass
					H	19.08		
836.50	20525	16QAM	1.4	H	V	21.34		
					H	18.42		

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)								
848.30	20643	QPSK	1.4	H	V	24.27	38.45	Pass
					H	22.70		
848.30	20643	16QAM	1.4	H	V	23.21		
					H	21.19		
1.4MHz(RB size 3& RB offset 0)								
848.30	20643	QPSK	1.4	H	V	23.96	38.45	Pass
					H	21.63		
848.30	20643	16QAM	1.4	H	V	23.39		
					H	20.30		
1.4MHz(RB size 6& RB offset 0)								
848.30	20643	QPSK	1.4	H	V	21.13	38.45	Pass
					H	19.37		
848.30	20643	16QAM	1.4	H	V	21.71		
					H	18.15		

Lowest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
829.00	20450	QPSK	10	H	V	23.55	38.45	Pass
					H	21.41		
829.00	20450	16QAM	10	H	V	23.52		
					H	21.45		
10MHz(RB size 25& RB offset 0)								
829.00	20450	QPSK	10	H	V	23.78	38.45	Pass
					H	21.23		
829.00	20450	16QAM	10	H	V	23.93		
					H	20.85		
10MHz(RB size 50& RB offset 0)								
829.00	20450	QPSK	10	H	V	22.66	38.45	Pass
					H	20.45		
829.00	20450	16QAM	10	H	V	24.21		
					H	21.36		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
836.50	20525	QPSK	10	H	V	23.88	38.45	Pass
					H	21.86		
836.50	20525	16QAM	10	H	V	23.68		
					H	21.63		
10MHz(RB size 25& RB offset 0)								
836.50	20525	QPSK	10	H	V	23.39	38.45	Pass
					H	21.93		
836.50	20525	16QAM	10	H	V	23.21		
					H	20.24		
10MHz(RB size 50 & RB offset 0)								
836.50	20525	QPSK	10	H	V	22.42	38.45	Pass
					H	20.36		
836.50	20525	16QAM	10	H	V	24.46		
					H	21.19		

High channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
10MHz(RB size 1 & RB offset 0)								
844.00	20600	QPSK	10	H	V	23.82	38.45	Pass
					H	21.25		
844.00	20600	16QAM	10	H	V	23.55		
					H	21.59		
10MHz(RB size 25& RB offset 0)								
844.00	20600	QPSK	10	H	V	23.10	38.45	Pass
					H	21.09		
844.00	20600	16QAM	10	H	V	23.96		
					H	20.63		
10MHz(RB size 50 & RB offset 0)								
844.00	20600	QPSK	10	H	V	22.91	38.45	Pass
					H	20.42		
844.00	20600	16QAM	10	H	V	24.26		
					H	21.24		

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	16.19	33.00	Pass
					H	14.22		
2502.50	20775	16QAM	5	H	V	15.00		
					H	15.93		
5MHz(RB size 12 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	14.16	33.00	Pass
					H	13.64		
2502.50	20775	16QAM	5	H	V	13.92		
					H	13.88		
5MHz(RB size 25 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	14.20	33.00	Pass
					H	14.24		
2502.50	20775	16QAM	5	H	V	17.07		
					H	14.23		

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	16.25	33.00	Pass
					H	14.50		
2535.00	21100	16QAM	5	H	V	15.01		
					H	15.14		
5MHz(RB size 12 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	14.52	33.00	Pass
					H	13.28		
2535.00	21100	16QAM	5	H	V	13.89		
					H	13.14		
5MHz(RB size 25 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	14.36	33.00	Pass
					H	14.68		
2535.00	21100	16QAM	5	H	V	17.88		
					H	14.17		

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	16.77	33.00	Pass
					H	14.75		
2567.50	21425	16QAM	5	H	V	15.53		
					H	15.39		
5MHz(RB size 12 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	14.26	33.00	Pass
					H	13.25		
2567.50	21425	16QAM	5	H	V	13.75		
					H	13.39		
5MHz(RB size 25 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	14.37	33.00	Pass
					H	14.31		
2567.50	21425	16QAM	5	H	V	17.01		
					H	14.75		

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	17.75	33.00	Pass
					H	14.90		
2510.00	20850	16QAM	20	H	V	15.07		
					H	13.36		
20MHz(RB size 50 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	13.63	33.00	Pass
					H	13.38		
2510.00	20850	16QAM	20	H	V	14.10		
					H	13.93		
20MHz(RB size 100 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	10.34	33.00	Pass
					H	11.95		
2510.00	20850	16QAM	20	H	V	10.36		
					H	11.28		

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	17.76	33.00	Pass
					H	14.62		
2535.00	21100	16QAM	20	H	V	15.28		
					H	13.83		
20MHz(RB size 50 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	13.67	33.00	Pass
					H	13.31		
2535.00	21100	16QAM	20	H	V	14.01		
					H	13.39		
20MHz(RB size 100 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	10.34	33.00	Pass
					H	11.01		
2535.00	21100	16QAM	20	H	V	10.03		
					H	11.93		

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	17.54	33.00	Pass
					H	14.63		
2560.00	21350	16QAM	20	H	V	15.69		
					H	13.19		
20MHz(RB size 50 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	13.13	33.00	Pass
					H	13.34		
2560.00	21350	16QAM	20	H	V	14.68		
					H	13.84		
20MHz(RB size 100 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	10.39	33.00	Pass
					H	11.51		
2560.00	21350	16QAM	20	H	V	10.15		
					H	11.39		

LTE band 17 part
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	18.53	34.77	Pass
					H	22.78		
706.50	23755	16QAM	5	H	V	18.77		
					H	21.26		
5MHz(RB size 12 & RB offset 0)								
706.50	23755	QPSK	5	H	V	18.36	34.77	Pass
					H	22.74		
706.50	23755	16QAM	5	H	V	18.51		
					H	22.68		
5MHz(RB size 25 & RB offset 0)								
706.50	23755	QPSK	5	H	V	17.88	34.77	Pass
					H	21.66		
706.50	23755	16QAM	5	H	V	18.40		
					H	21.30		

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	18.76	34.77	Pass
					H	22.06		
710.00	23790	16QAM	5	H	V	18.63		
					H	21.38		
5MHz(RB size 12 & RB offset 0)								
710.00	23790	QPSK	5	H	V	18.89	34.77	Pass
					H	22.91		
710.00	23790	16QAM	5	H	V	18.15		
					H	22.57		
5MHz(RB size 25 & RB offset 0)								
710.00	23790	QPSK	5	H	V	17.71	34.77	Pass
					H	21.12		
710.00	23790	16QAM	5	H	V	18.29		
					H	21.91		

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	18.16	34.77	Pass
					H	22.18		
713.50	23825	16QAM	5	H	V	18.84		
					H	21.03		
5MHz(RB size 12 & RB offset 0)								
713.50	23825	QPSK	5	H	V	18.39	34.77	Pass
					H	22.93		
713.50	23825	16QAM	5	H	V	18.31		
					H	22.01		
5MHz(RB size 25 & RB offset 0)								
713.50	23825	QPSK	5	H	V	17.13	34.77	Pass
					H	21.73		
713.50	23825	16QAM	5	H	V	18.24		
					H	21.46		

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	18.60	34.77	Pass
					H	22.90		
709.00	23780	16QAM	10	H	V	18.71		
					H	22.95		
10MHz(RB size 25& RB offset 0)								
709.00	23780	QPSK	10	H	V	18.36	34.77	Pass
					H	22.55		
709.00	23780	16QAM	10	H	V	18.84		
					H	22.40		
10MHz(RB size 50& RB offset 0)								
709.00	23780	QPSK	10	H	V	18.34	34.77	Pass
					H	21.28		
709.00	23780	16QAM	10	H	V	18.78		
					H	22.11		

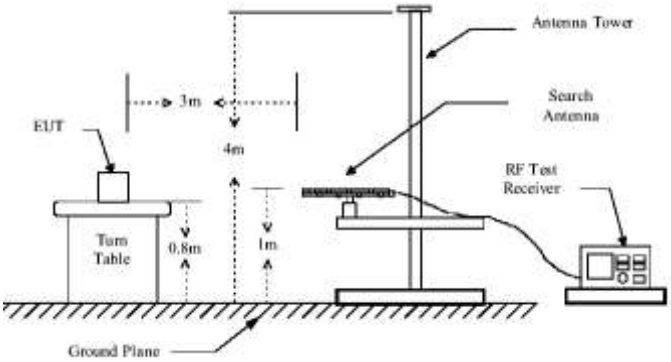
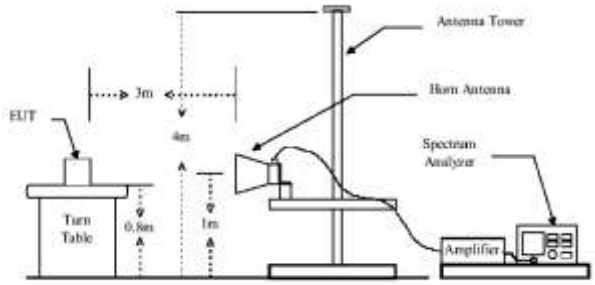
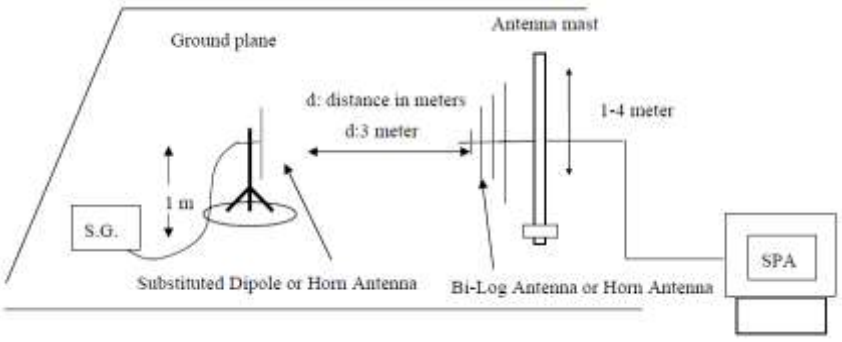
Middle channel

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	18.32	34.77	Pass
					H	22.24		
710.00	23790	16QAM	10	H	V	18.47		
					H	22.73		
10MHz(RB size 25& RB offset 0)								
710.00	23790	QPSK	10	H	V	18.31	34.77	Pass
					H	22.01		
710.00	23790	16QAM	10	H	V	18.39		
					H	22.93		
10MHz(RB size 50& RB offset 0)								
710.00	23790	QPSK	10	H	V	18.87	34.77	Pass
					H	21.18		
710.00	23790	16QAM	10	H	V	18.78		
					H	22.12		

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	18.80	34.77	Pass
					H	22.07		
711.00	23800	16QAM	10	H	V	18.51		
					H	22.34		
10MHz(RB size 25& RB offset 0)								
711.00	23800	QPSK	10	H	V	18.35	34.77	Pass
					H	22.42		
711.00	23800	16QAM	10	H	V	18.12		
					H	22.17		
10MHz(RB size 50& RB offset 0)								
711.00	23800	QPSK	10	H	V	18.78	34.77	Pass
					H	21.39		
711.00	23800	16QAM	10	H	V	18.42		
					H	22.34		

6.11 Field strength of spurious radiation measurement

Test Requirement:	FCC Part 22.917(a), 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				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3701.40	Vertical	-51.67	-13.00	Pass
5552.10	V	-26.62		
7402.00	V	-40.83		
3701.40	Horizontal	-50.40		
5552.10	H	-24.00		
7402.00	H	-38.05		
Middle				
3760.00	Vertical	-50.14	-13.00	Pass
5640.00	V	-23.68		
7520.00	V	-40.89		
3760.00	Horizontal	-50.77		
5640.00	H	-24.51		
7520.00	H	-40.16		
Highest				
3816.60	Vertical	-44.87	-13.00	Pass
5724.90	V	-26.86		
7633.20	V	-40.29		
3816.60	Horizontal	-45.97		
5724.90	H	-25.58		
7633.20	H	-39.22		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3703.00	Vertical	-50.56	-13.00	Pass
5554.50	V	-25.67		
7406.00	V	-39.74		
3703.00	Horizontal	-39.48		
5554.50	H	-26.89		
7406.00	H	-37.96		
Middle				
3760.00	Vertical	-49.65	-13.00	Pass
5640.00	V	-21.50		
7520.00	V	-40.03		
3760.00	Horizontal	-50.35		
5640.00	H	-21.54		
7520.00	H	-40.47		
Highest				
3817.00	Vertical	-46.71	-13.00	Pass
5725.50	V	-27.14		
7634.00	V	-41.41		
3817.00	Horizontal	-45.11		
5725.50	H	-32.15		
7634.00	H	-39.57		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3705.00	Vertical	-51.38	-13.00	Pass
5557.50	V	-26.81		
7410.00	V	-40.15		
3705.00	Horizontal	-50.50		
5557.50	H	-24.03		
7410.00	H	-38.33		
Middle				
3760.00	Vertical	-50.56	-13.00	Pass
5640.00	V	-23.63		
7520.00	V	-40.35		
3760.00	Horizontal	-50.54		
5640.00	H	-24.42		
7520.00	H	-40.28		
Highest				
3815.00	Vertical	-44.93	-13.00	Pass
5722.50	V	-26.09		
7630.00	V	-40.31		
3815.00	Horizontal	-45.40		
5722.50	H	-25.06		
7630.00	H	-39.63		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3710.00	Vertical	-50.38	-13.00	Pass
5565.00	V	-25.80		
7420.00	V	-39.05		
3710.00	Horizontal	-39.53		
5565.00	H	-26.93		
7420.00	H	-37.33		
Middle				
3760.00	Vertical	-49.34	-13.00	Pass
5640.00	V	-21.45		
7520.00	V	-40.57		
3760.00	Horizontal	-50.74		
5640.00	H	-21.46		
7520.00	H	-40.57		
Highest				
3810.00	Vertical	-46.64	-13.00	Pass
5715.00	V	-27.42		
7620.00	V	-41.28		
3810.00	Horizontal	-45.80		
5715.00	H	-32.89		
7620.00	H	-39.45		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3715.00	Vertical	-51.57	-13.00	Pass
5572.50	V	-26.73		
7430.00	V	-40.32		
3715.00	Horizontal	-50.29		
5572.50	H	-24.97		
7430.00	H	-38.74		
Middle				
3760.00	Vertical	-50.44	-13.00	Pass
5640.00	V	-23.45		
7520.00	V	-40.50		
3760.00	Horizontal	-50.07		
5640.00	H	-24.74		
7520.00	H	-40.47		
Highest				
3805.00	Vertical	-44.71	-13.00	Pass
5707.50	V	-26.13		
7610.00	V	-40.31		
3805.00	Horizontal	-45.11		
5707.50	H	-25.16		
7610.00	H	-39.62		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3720.00	Vertical	-50.09	-13.00	Pass
5580.00	V	-25.04		
7440.00	V	-39.10		
3720.00	Horizontal	-50.79		
5580.00	H	-26.45		
7440.00	H	-37.61		
Middle				
3760.00	Vertical	-49.90	-13.00	Pass
5640.00	V	-21.45		
7520.00	V	-40.55		
3760.00	Horizontal	-50.06		
5640.00	H	-21.48		
7520.00	H	-40.30		
Highest				
3800.00	Vertical	-46.36	-13.00	Pass
5700.00	V	-27.66		
7600.00	V	-41.18		
3800.00	Horizontal	-45.94		
5700.00	H	-32.11		
7600.00	H	-39.52		

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	-48.02	-13.00	Pass
5132.10	V	-36.26		
6842.80	V	-41.79		
3421.40	Horizontal	-47.84		
5132.10	H	-34.74		
6842.80	H	-42.14		
Middle				
3465.00	Vertical	-46.36	-13.00	Pass
5197.50	V	-30.97		
6930.00	V	-41.06		
3465.00	Horizontal	-47.44		
5197.50	H	-27.93		
6930.00	H	-39.77		
Highest				
3508.60	Vertical	-48.76	-13.00	Pass
5262.90	V	-25.95		
7017.20	V	-40.95		
3508.60	Horizontal	-46.08		
5262.90	H	-20.66		
7017.20	H	-40.36		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3423.00	Vertical	-48.57	-13.00	Pass
5134.50	V	-36.49		
6846.00	V	-41.13		
3423.00	Horizontal	-47.70		
5134.50	H	-34.09		
6846.00	H	-42.99		
Middle				
3465.00	Vertical	-46.46	-13.00	Pass
5197.50	V	-30.16		
6930.00	V	-41.79		
3465.00	Horizontal	-47.99		
5197.50	H	-27.67		
6930.00	H	-39.36		
Highest				
3507.00	Vertical	-48.09	-13.00	Pass
5260.50	V	-25.12		
7014.00	V	-40.66		
3507.00	Horizontal	-46.41		
5260.50	H	-20.08		
7014.00	H	-40.37		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3425.00	Vertical	-48.35	-13.00	Pass
5137.50	V	-36.50		
6850.00	V	-41.07		
3425.00	Horizontal	-47.76		
5137.50	H	-34.65		
6850.00	H	-42.52		
Middle				
3465.00	Vertical	-46.50	-13.00	Pass
5197.50	V	-30.26		
6930.00	V	-41.60		
3465.00	Horizontal	-47.03		
5197.50	H	-27.33		
6930.00	H	-39.34		
Highest				
3505.00	Vertical	-48.42	-13.00	Pass
5257.50	V	-25.24		
7010.00	V	-40.49		
3505.00	Horizontal	-46.98		
5257.50	H	-20.87		
7010.00	H	-40.93		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3430.00	Vertical	-48.70	-13.00	Pass
5145.00	V	-36.09		
6860.00	V	-41.99		
3430.00	Horizontal	-47.95		
5145.00	H	-34.56		
6860.00	H	-42.66		
Middle				
3465.00	Vertical	-46.61	-13.00	Pass
5197.50	V	-30.11		
6930.00	V	-47.13		
3465.00	Horizontal	-47.35		
5197.50	H	-27.50		
6930.00	H	-39.01		
Highest				
3500.00	Vertical	-48.16	-13.00	Pass
5250.00	V	-25.61		
7000.00	V	-40.12		
3500.00	Horizontal	-46.20		
5250.00	H	-20.01		
7000.00	H	-40.41		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3435.00	Vertical	-48.52	-13.00	Pass
5152.50	V	-36.25		
6870.00	V	-41.57		
3435.00	Horizontal	-47.76		
5152.50	H	-34.66		
6870.00	H	-42.62		
Middle				
3465.00	Vertical	-46.24	-13.00	Pass
5197.50	V	-30.43		
6930.00	V	-41.38		
3465.00	Horizontal	-47.83		
5197.50	H	-27.34		
6930.00	H	-39.46		
Highest				
3495.00	Vertical	-48.69	-13.00	Pass
5242.50	V	-25.95		
6990.00	V	-40.12		
3495.00	Horizontal	-46.41		
5242.50	H	-20.99		
6990.00	H	-40.96		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3440.00	Vertical	-48.69	-13.00	Pass
5160.00	V	-36.93		
6880.00	V	-41.38		
3440.00	Horizontal	-47.89		
5160.00	H	-34.94		
6880.00	H	-42.42		
Middle				
3465.00	Vertical	-46.26	-13.00	Pass
5197.50	V	-30.60		
6930.00	V	-47.02		
3465.00	Horizontal	-47.26		
5197.50	H	-27.64		
6930.00	H	-39.49		
Highest				
3490.00	Vertical	-48.98	-13.00	Pass
5235.00	V	-25.88		
6980.00	V	-40.81		
3490.00	Horizontal	-46.11		
5235.00	H	-20.19		
6980.00	H	-40.99		

LTE Band 5 Part:

1.4MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
1649.40	Vertical	-53.72	-13	Pass
2474.10	V	-49.26		
3298.80	V	-45.77		
1649.40	Horizontal	-56.63		
2474.10	H	-50.47		
3298.80	H	-46.80		
Middle				
1673.00	Vertical	-51.89	-13	Pass
2509.50	V	-46.48		
3346.00	V	-44.18		
1673.00	Horizontal	-52.18		
2509.50	H	-50.15		
3346.00	H	-43.83		
Highest				
1696.60	Vertical	-55.69	-13	Pass
2544.90	V	-43.37		
3393.20	V	-46.12		
1696.60	Horizontal	-57.38		
2544.90	H	-50.85		
3393.20	H	-45.32		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
1651.00	Vertical	-53.25	-13	Pass
2476.50	V	-49.53		
3302.00	V	-45.38		
1651.00	Horizontal	-56.87		
2476.50	H	-40.73		
3302.00	H	-46.31		
Middle				
1673.00	Vertical	-51.15	-13	Pass
2509.50	V	-46.58		
3346.00	V	-44.84		
1673.00	Horizontal	-52.44		
2509.50	H	-50.43		
3346.00	H	-43.39		
Highest				
1695.00	Vertical	-55.56	-13	Pass
2542.50	V	-43.56		
3390.00	V	-46.95		
1695.00	Horizontal	-57.53		
2542.50	H	-50.39		
3390.00	H	-45.93		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
1653.00	Vertical	-53.16	-13	Pass
2479.50	V	-49.69		
3306.00	V	-45.93		
1653.00	Horizontal	-56.37		
2479.50	H	-50.71		
3306.00	H	-46.16		
Middle				
1673.00	Vertical	-51.65	-13	Pass
2509.50	V	-46.58		
3346.00	V	-44.89		
1673.00	Horizontal	-52.99		
2509.50	H	-50.93		
3346.00	H	-43.37		
Highest				
1693.00	Vertical	-55.73	-13	Pass
2539.50	V	-43.34		
3386.00	V	-46.45		
1693.00	Horizontal	-57.52		
2539.50	H	-50.24		
3386.00	H	-45.44		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
1658.00	Vertical	-53.33	-13	Pass
2487.00	V	-49.34		
3316.00	V	-45.93		
1658.00	Horizontal	-56.34		
2487.00	H	-40.47		
3316.00	H	-46.77		
Middle				
1673.00	Vertical	-51.75	-13	Pass
2509.50	V	-46.57		
3346.00	V	-44.74		
1673.00	Horizontal	-52.04		
2509.50	H	-50.42		
3346.00	H	-43.23		
Highest				
1688.00	Vertical	-55.33	-13	Pass
2532.00	V	-43.38		
3376.00	V	-46.85		
1688.00	Horizontal	-57.59		
2532.00	H	-50.93		
3376.00	H	-45.38		

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	-50.50	-25.00	Pass
7507.50	V	-29.12		
10010.00	V	-38.74		
5005.00	Horizontal	-35.11		
7507.50	H	-30.19		
10010.00	H	-40.51		
Middle				
5070.00	Vertical	-36.35	-25.00	Pass
7605.00	V	-32.96		
10140.00	V	-40.15		
5070.00	Horizontal	-31.02		
7605.00	H	-32.59		
10140.00	H	-39.62		
Highest				
5135.00	Vertical	-35.11	-25.00	Pass
7702.50	V	-27.94		
10270.00	V	-38.22		
5135.00	Horizontal	-28.88		
7702.50	H	-31.63		
10270.00	H	-38.98		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5010.00	Vertical	-35.50	-25.00	Pass
7515.00	V	-32.09		
10020.00	V	-39.99		
5010.00	Horizontal	-32.94		
7515.00	H	-31.48		
10020.00	H	-41.87		
Middle				
5070.00	Vertical	-36.75	-25.00	Pass
7605.00	V	-32.53		
10140.00	V	-39.38		
5070.00	Horizontal	-29.84		
7605.00	H	-34.44		
10140.00	H	-40.46		
Highest				
5130.00	Vertical	-36.61	-25.00	Pass
7695.00	V	-31.10		
10260.00	V	-38.09		
5130.00	Horizontal	-31.36		
7695.00	H	-36.99		
10260.00	H	-38.88		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5015.00	Vertical	-50.51	-25.00	Pass
7522.50	V	-29.13		
10030.00	V	-38.38		
5015.00	Horizontal	-35.85		
7522.50	H	-30.57		
10030.00	H	-40.79		
Middle				
5070.00	Vertical	-36.95	-25.00	Pass
7605.00	V	-32.52		
10140.00	V	-40.23		
5070.00	Horizontal	-31.35		
7605.00	H	-32.54		
10140.00	H	-39.46		
Highest				
5125.00	Vertical	-35.51	-25.00	Pass
7687.50	V	-27.05		
10250.00	V	-38.55		
5125.00	Horizontal	-28.84		
7687.50	H	-31.53		
10250.00	H	-38.11		

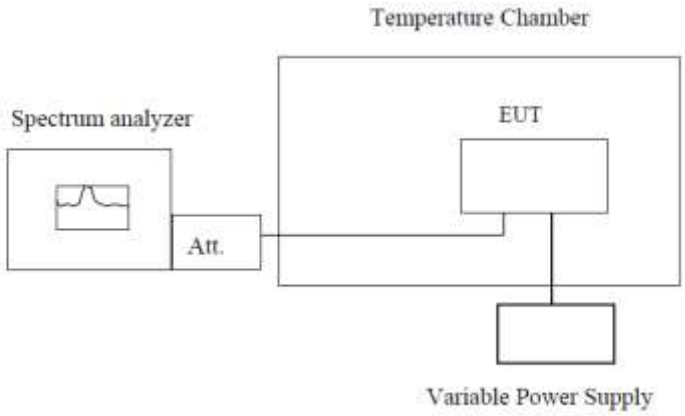
20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5020.00	Vertical	-35.51	-25.00	Pass
7530.00	V	-32.45		
10040.00	V	-39.75		
5020.00	Horizontal	-32.37		
7530.00	H	-31.68		
10040.00	H	-41.10		
Middle				
5070.00	Vertical	-36.37	-25.00	Pass
7605.00	V	-32.27		
10140.00	V	-39.89		
5070.00	Horizontal	-29.97		
7605.00	H	-34.97		
10140.00	H	-40.72		
Highest				
5120.00	Vertical	-36.87	-25.00	Pass
7680.00	V	-31.80		
10240.00	V	-38.68		
5120.00	Horizontal	-31.07		
7680.00	H	-36.37		
10240.00	H	-38.62		

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	-51.91	-13.00	Pass
2119.50	V	-37.03		
2826.00	V	-43.78		
1413.00	Horizontal	-54.43		
2119.50	H	-42.55		
2826.00	H	-43.67		
Middle				
1420.00	Vertical	-52.37	-13.00	Pass
2130.00	V	-42.43		
2840.00	V	-46.31		
1420.00	Horizontal	-56.35		
2130.00	H	-49.80		
2840.00	H	-44.49		
Highest				
1427.00	Vertical	-53.68	-13.00	Pass
2140.50	V	-34.70		
2854.00	V	-45.68		
1427.00	Horizontal	-55.92		
2140.50	H	-45.68		
2854.00	H	-44.20		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
1418.00	Vertical	-51.14	-13.00	Pass
2127.00	V	-37.42		
2836.00	V	-43.24		
1418.00	Horizontal	-54.45		
2127.00	H	-42.51		
2836.00	H	-43.11		
Middle				
1420.00	Vertical	-52.15	-13.00	Pass
2130.00	V	-42.54		
2840.00	V	-46.44		
1420.00	Horizontal	-56.43		
2130.00	H	-49.36		
2840.00	H	-44.96		
Highest				
1422.00	Vertical	-53.21	-13.00	Pass
2133.00	V	-34.13		
2844.00	V	-45.35		
1422.00	Horizontal	-55.52		
2133.00	H	-45.21		
2844.00	H	-44.17		

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:	±2.5ppm
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℃ operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –30℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ 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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	193	0.102660	±2.5	Pass
	-20	128	0.068085		
	-10	146	0.077660		
	0	151	0.080319		
	10	178	0.094681		
	20	111	0.059043		
	30	109	0.057979		
	40	134	0.071277		
	50	101	0.053723		
Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	125	0.066489	±2.5	Pass
	-20	151	0.080319		
	-10	122	0.064894		
	0	145	0.077128		
	10	138	0.073404		
	20	131	0.069681		
	30	168	0.089362		
	40	101	0.053723		
	50	106	0.056383		
Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	155	0.082447	±2.5	Pass
	-20	146	0.077660		
	-10	134	0.071277		
	0	138	0.073404		
	10	161	0.085638		
	20	143	0.076064		
	30	108	0.057447		
	40	125	0.066489		
	50	114	0.060638		

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	153	0.081383	±2.5	Pass
	-20	166	0.088298		
	-10	122	0.064894		
	0	136	0.072340		
	10	131	0.069681		
	20	147	0.078191		
	30	141	0.075000		
	40	103	0.054787		
	50	111	0.059043		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	152	0.080851	±2.5	Pass
	-20	123	0.065426		
	-10	168	0.089362		
	0	101	0.053723		
	10	171	0.090957		
	20	117	0.062234		
	30	122	0.064894		
	40	136	0.072340		
	50	138	0.073404		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	186	0.098936	±2.5	Pass
	-20	123	0.065426		
	-10	138	0.073404		
	0	131	0.069681		
	10	121	0.064362		
	20	103	0.054787		
	30	118	0.062766		
	40	104	0.055319		
	50	169	0.089894		

LTE Band 2(16QAM):

Reference Frequency: LTE Band 2(1.4MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	152	0.080851	±2.5	Pass
	-20	121	0.064362		
	-10	123	0.065426		
	0	107	0.056915		
	10	106	0.056383		
	20	111	0.059043		
	30	148	0.078723		
	40	141	0.075000		
	50	133	0.070745		
Reference Frequency: LTE Band 2(3MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	169	0.089894	±2.5	Pass
	-20	126	0.067021		
	-10	121	0.064362		
	0	103	0.054787		
	10	117	0.062234		
	20	158	0.084043		
	30	149	0.079255		
	40	144	0.076596		
	50	106	0.056383		
Reference Frequency: LTE Band 2(5MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	169	0.089894	±2.5	Pass
	-20	135	0.071809		
	-10	126	0.067021		
	0	121	0.064362		
	10	137	0.072872		
	20	142	0.075532		
	30	148	0.078723		
	40	101	0.053723		
	50	108	0.057447		

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	153	0.081383	±2.5	Pass
	-20	151	0.080319		
	-10	139	0.073936		
	0	147	0.078191		
	10	146	0.077660		
	20	134	0.071277		
	30	108	0.057447		
	40	101	0.053723		
	50	119	0.063298		
Reference Frequency: LTE Band 2(15MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	158	0.084043	±2.5	Pass
	-20	122	0.064894		
	-10	124	0.065957		
	0	148	0.078723		
	10	146	0.077660		
	20	118	0.062766		
	30	133	0.070745		
	40	134	0.071277		
	50	106	0.056383		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	166	0.088298	±2.5	Pass
	-20	122	0.064894		
	-10	145	0.077128		
	0	144	0.076596		
	10	123	0.065426		
	20	105	0.055851		
	30	112	0.059574		
	40	114	0.060638		
	50	106	0.056383		

LTE Band 4(QPSK):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	182	0.105051	±2.5	Pass
	-20	151	0.087157		
	-10	122	0.070418		
	0	131	0.075613		
	10	103	0.059452		
	20	108	0.062338		
	30	114	0.065801		
	40	118	0.068110		
	50	145	0.083694		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	154	0.088889	±2.5	Pass
	-20	123	0.070996		
	-10	135	0.077922		
	0	166	0.095815		
	10	144	0.083117		
	20	148	0.085426		
	30	101	0.058297		
	40	103	0.059452		
	50	115	0.066378		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	155	0.089466	±2.5	Pass
	-20	126	0.072727		
	-10	136	0.078499		
	0	141	0.081385		
	10	129	0.074459		
	20	135	0.077922		
	30	104	0.060029		
	40	114	0.065801		
	50	113	0.065224		

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	152	0.087734	±2.5	Pass
	-20	126	0.072727		
	-10	132	0.076190		
	0	136	0.078499		
	10	124	0.071573		
	20	145	0.083694		
	30	140	0.080808		
	40	119	0.068687		
	50	114	0.065801		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	139	0.080231	±2.5	Pass
	-20	126	0.072727		
	-10	121	0.069841		
	0	145	0.083694		
	10	140	0.080808		
	20	117	0.067532		
	30	116	0.066955		
	40	103	0.059452		
	50	108	0.062338		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	199	0.114863	±2.5	Pass
	-20	125	0.072150		
	-10	181	0.104473		
	0	177	0.102165		
	10	143	0.082540		
	20	166	0.095815		
	30	123	0.070996		
	40	132	0.076190		
	50	147	0.084848		

LTE Band 4(16QAM):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	126	0.072727	±2.5	Pass
	-20	110	0.063492		
	-10	145	0.083694		
	0	104	0.060029		
	10	128	0.073882		
	20	148	0.085426		
	30	111	0.064069		
	40	104	0.060029		
	50	107	0.061760		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	153	0.088312	±2.5	Pass
	-20	125	0.072150		
	-10	162	0.093506		
	0	120	0.069264		
	10	145	0.083694		
	20	147	0.084848		
	30	140	0.080808		
	40	133	0.076768		
	50	138	0.079654		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	158	0.091198	±2.5	Pass
	-20	153	0.088312		
	-10	107	0.061760		
	0	101	0.058297		
	10	114	0.065801		
	20	116	0.066955		
	30	123	0.070996		
	40	122	0.070418		
	50	110	0.063492		

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	156	0.090043	±2.5	Pass
	-20	128	0.073882		
	-10	108	0.062338		
	0	163	0.094084		
	10	107	0.061760		
	20	112	0.064646		
	30	111	0.064069		
	40	120	0.069264		
	50	149	0.086003		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	167	0.096392	±2.5	Pass
	-20	144	0.083117		
	-10	148	0.085426		
	0	155	0.089466		
	10	123	0.070996		
	20	132	0.076190		
	30	139	0.080231		
	40	128	0.073882		
	50	104	0.060029		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	168	0.096970	±2.5	Pass
	-20	126	0.072727		
	-10	121	0.069841		
	0	107	0.061760		
	10	110	0.063492		
	20	116	0.066955		
	30	114	0.065801		
	40	103	0.059452		
	50	145	0.083694		

LTE Band 5(QPSK):

Reference Frequency: LTE Band 5(1.4MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	199	0.237896	±2.5	Pass
	-20	123	0.147041		
	-10	125	0.149432		
	0	121	0.144650		
	10	147	0.175732		
	20	166	0.198446		
	30	104	0.124328		
	40	117	0.139868		
	50	112	0.133891		
Reference Frequency: LTE Band 5(3MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	126	0.150628	±2.5	Pass
	-20	102	0.121937		
	-10	131	0.156605		
	0	143	0.170950		
	10	171	0.204423		
	20	165	0.197250		
	30	108	0.129109		
	40	104	0.124328		
	50	113	0.135087		
Reference Frequency: LTE Band 5(5MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	126	0.150628	±2.5	Pass
	-20	129	0.154214		
	-10	135	0.161387		
	0	133	0.158996		
	10	128	0.153019		
	20	126	0.150628		
	30	114	0.136282		
	40	118	0.141064		
	50	105	0.125523		
Reference Frequency: LTE Band 5(10MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	108	0.129109	±2.5	Pass
	-20	106	0.126718		
	-10	103	0.123132		
	0	114	0.136282		
	10	110	0.131500		
	20	123	0.147041		
	30	126	0.150628		
	40	128	0.153019		
	50	143	0.170950		

LTE Band 5(16QAM):

Reference Frequency: LTE Band 5(1.4MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	128	0.153019	±2.5	Pass
	-20	184	0.219964		
	-10	120	0.143455		
	0	131	0.156605		
	10	116	0.138673		
	20	114	0.136282		
	30	117	0.139868		
	40	127	0.151823		
	50	138	0.164973		
Reference Frequency: LTE Band 5(3MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	126	0.150628	±2.5	Pass
	-20	145	0.173341		
	-10	165	0.197250		
	0	166	0.198446		
	10	134	0.160191		
	20	123	0.147041		
	30	147	0.175732		
	40	116	0.138673		
	50	122	0.145846		
Reference Frequency: LTE Band 5(5MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	162	0.193664	2.5	Pass
	-20	120	0.143455		
	-10	131	0.156605		
	0	141	0.168559		
	10	174	0.208010		
	20	160	0.191273		
	30	133	0.158996		
	40	138	0.164973		
	50	107	0.127914		
Reference Frequency: LTE Band 5(10MHz) Middle channel=20525Frequency=836.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	116	0.138673	2.5	Pass
	-20	112	0.133891		
	-10	104	0.124328		
	0	131	0.156605		
	10	138	0.164973		
	20	137	0.163778		
	30	144	0.172146		
	40	146	0.174537		
	50	126	0.150628		

LTE Band 7(QPSK):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	182	0.071795	±2.5	Pass
	-20	100	0.039448		
	-10	138	0.054438		
	0	145	0.057199		
	10	164	0.064694		
	20	175	0.069034		
	30	107	0.042209		
	40	118	0.046548		
	50	133	0.052465		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	128	0.050493	±2.5	Pass
	-20	134	0.052860		
	-10	145	0.057199		
	0	120	0.047337		
	10	132	0.052071		
	20	144	0.056805		
	30	127	0.050099		
	40	119	0.046943		
	50	116	0.045759		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	159	0.062722	±2.5	Pass
	-20	130	0.051282		
	-10	134	0.052860		
	0	144	0.056805		
	10	146	0.057594		
	20	131	0.051677		
	30	150	0.059172		
	40	117	0.046154		
	50	115	0.045365		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	198	0.078107	±2.5	Pass
	-20	124	0.048915		
	-10	165	0.065089		
	0	151	0.059566		
	10	132	0.052071		
	20	138	0.054438		
	30	167	0.065878		
	40	104	0.041026		
	50	112	0.044181		

LTE Band 7(16QAM):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	167	0.065878	±2.5	Pass
	-20	142	0.056016		
	-10	136	0.053649		
	0	139	0.054832		
	10	145	0.057199		
	20	168	0.066272		
	30	110	0.043393		
	40	123	0.048521		
	50	105	0.041420		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	128	0.050493	±2.5	Pass
	-20	123	0.048521		
	-10	165	0.065089		
	0	147	0.057988		
	10	115	0.045365		
	20	113	0.044576		
	30	144	0.056805		
	40	108	0.042604		
	50	104	0.041026		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	142	0.056016	2.5	Pass
	-20	123	0.048521		
	-10	120	0.047337		
	0	130	0.051282		
	10	133	0.052465		
	20	140	0.055227		
	30	127	0.050099		
	40	101	0.039842		
	50	116	0.045759		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	126	0.049704	2.5	Pass
	-20	107	0.042209		
	-10	105	0.041420		
	0	133	0.052465		
	10	132	0.052071		
	20	117	0.046154		
	30	116	0.045759		
	40	143	0.056410		
	50	117	0.046154		

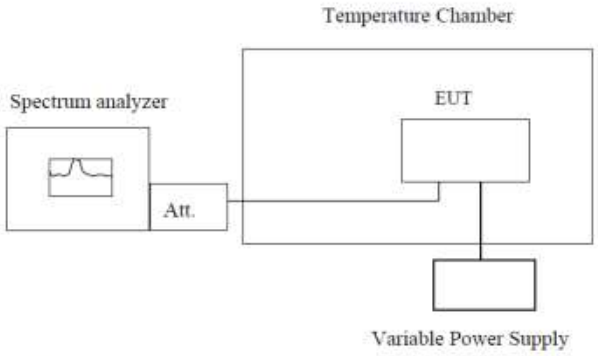
LTE Band 17(QPSK):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	199	0.280282	±2.5	Pass
	-20	165	0.232394		
	-10	123	0.173239		
	0	135	0.190141		
	10	145	0.204225		
	20	147	0.207042		
	30	174	0.245070		
	40	180	0.253521		
	50	103	0.145070		
Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	197	0.277465	±2.5	Pass
	-20	126	0.177465		
	-10	123	0.173239		
	0	108	0.152113		
	10	116	0.163380		
	20	145	0.204225		
	30	140	0.197183		
	40	139	0.195775		
	50	137	0.192958		

LTE Band 17(16QAM):

Reference Frequency: LTE Band 17(5MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	126	0.177465	±2.5	Pass
	-20	132	0.185915		
	-10	105	0.147887		
	0	145	0.204225		
	10	168	0.236620		
	20	107	0.150704		
	30	114	0.160563		
	40	110	0.154930		
	50	117	0.164789		
Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	158	0.222535	±2.5	Pass
	-20	132	0.185915		
	-10	136	0.191549		
	0	145	0.204225		
	10	150	0.211268		
	20	114	0.160563		
	30	117	0.164789		
	40	107	0.150704		
	50	103	0.145070		

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℃. 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	63	0.033511	±2.5	Pass
	3.80	71	0.037766		
	3.23	90	0.047872		
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	82	0.043617	±2.5	Pass
	3.80	64	0.034043		
	3.23	71	0.037766		
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	82	0.043617	±2.5	Pass
	3.80	56	0.029787		
	3.23	96	0.051064		
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	75	0.039894	±2.5	Pass
	3.80	52	0.027660		
	3.23	94	0.050000		
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	98	0.052128	±2.5	Pass
	3.80	53	0.028191		
	3.23	74	0.039362		
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	77	0.040957	±2.5	Pass
	3.80	41	0.021809		
	3.23	96	0.051064		

LTE Band 2(16QAM):

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	78	0.041489	±2.5	Pass
	3.80	45	0.023936		
	3.23	82	0.043617		
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	63	0.033511	±2.5	Pass
	3.80	96	0.051064		
	3.23	74	0.039362		
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	82	0.043617	±2.5	Pass
	3.80	51	0.027128		
	3.23	64	0.034043		
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	72	0.038298	±2.5	Pass
	3.80	86	0.045745		
	3.23	97	0.051596		
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	88	0.046809	±2.5	Pass
	3.80	43	0.022872		
	3.23	61	0.032447		
Reference Frequency: LTE Band 2(20MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	85	0.045213	±2.5	Pass
	3.80	52	0.027660		
	3.23	74	0.039362		

LTE Band 4(QPSK):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	73	0.042136	±2.5	Pass
	3.80	45	0.025974		
	3.23	82	0.047330		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	82	0.047330	±2.5	Pass
	3.80	94	0.054257		
	3.23	65	0.037518		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	78	0.045022	±2.5	Pass
	3.80	84	0.048485		
	3.23	62	0.035786		
Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	95	0.054834	±2.5	Pass
	3.80	82	0.047330		
	3.23	71	0.040981		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	84	0.048485	±2.5	Pass
	3.80	63	0.036364		
	3.23	98	0.056566		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	81	0.046753	±2.5	Pass
	3.80	23	0.013276		
	3.23	92	0.053102		

LTE Band 4(16QAM):

Reference Frequency: LTE Band 4(1.4MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	72	0.041558	±2.5	Pass
	3.80	80	0.046176		
	3.23	93	0.053680		
Reference Frequency: LTE Band 4(3MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	85	0.049062	±2.5	Pass
	3.80	53	0.030592		
	3.23	41	0.023665		
Reference Frequency: LTE Band 4(5MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	84	0.048485	±2.5	Pass
	3.80	95	0.054834		
	3.23	42	0.024242		
Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	73	0.042136	±2.5	Pass
	3.80	41	0.023665		
	3.23	46	0.026551		
Reference Frequency: LTE Band 4(15MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	94	0.054257	±2.5	Pass
	3.80	85	0.049062		
	3.23	57	0.032900		
Reference Frequency: LTE Band 4(20MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	87	0.050216	±2.5	Pass
	3.80	63	0.036364		
	3.23	74	0.042713		

LTE Band 5(QPSK):

Reference Frequency: LTE Band 5(1.4MHz) Middle channel=20525Frequency=836.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	53	0.063359	±2.5	Pass
	3.80	32	0.038255		
	3.23	95	0.113568		
Reference Frequency: LTE Band 5(3MHz) Middle channel=20525Frequency=836.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	45	0.053796	±2.5	Pass
	3.80	68	0.081291		
	3.23	31	0.037059		
Reference Frequency: LTE Band 5(5MHz) Middle channel=20525Frequency=836.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	77	0.092050	±2.5	Pass
	3.80	46	0.054991		
	3.23	54	0.064555		
Reference Frequency: LTE Band5(10MHz) Middle channel=20525Frequency=836.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	67	0.080096	±2.5	Pass
	3.80	23	0.027496		
	3.23	55	0.065750		

LTE Band 5(16QAM):

Reference Frequency: LTE Band 5(1.4MHz) Middle channel=20525Frequency=836.50MHz					
Temperature（℃）	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	59	0.070532	±2.5	Pass
	3.80	95	0.113568		
	3.23	41	0.049014		
Reference Frequency: LTE Band 5(3MHz) Middle channel=20525Frequency=836.50MHz					
Temperature（℃）	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	47	0.056186	±2.5	Pass
	3.80	53	0.063359		
	3.23	64	0.076509		
Reference Frequency: LTE Band 5(5MHz) Middle channel=20525Frequency=836.50MHz					
Temperature（℃）	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	72	0.086073	±2.5	Pass
	3.80	66	0.078900		
	3.23	84	0.100418		
Reference Frequency: LTE Band 5(10MHz) Middle channel=20525Frequency=836.50MHz					
Temperature（℃）	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	55	0.065750	±2.5	Pass
	3.80	81	0.096832		
	3.23	93	0.111178		

LTE Band 7(QPSK):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	83	0.032742	±2.5	Pass
	3.80	91	0.035897		
	3.23	47	0.018540		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	78	0.030769	±2.5	Pass
	3.80	64	0.025247		
	3.23	82	0.032347		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	86	0.033925	±2.5	Pass
	3.80	59	0.023274		
	3.23	92	0.036292		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	98	0.038659	±2.5	Pass
	3.80	62	0.024458		
	3.23	53	0.020907		

LTE Band 7(16QAM):

Reference Frequency: LTE Band 7(5MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	89	0.035108	±2.5	Pass
	3.80	62	0.024458		
	3.23	44	0.017357		
Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	87	0.034320	±2.5	Pass
	3.80	62	0.024458		
	3.23	36	0.014201		
Reference Frequency: LTE Band 7(15MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	51	0.020118	±2.5	Pass
	3.80	56	0.022091		
	3.23	35	0.013807		
Reference Frequency: LTE Band 7(20MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	83	0.032742	±2.5	Pass
	3.80	48	0.018935		
	3.23	94	0.037081		

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	63	0.088732	±2.5	Pass
	3.80	42	0.059155		
	3.23	73	0.102817		
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	98	0.138028	±2.5	Pass
	3.80	85	0.119718		
	3.23	64	0.090141		

LTE Band 17(16QAM):

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	71	0.100000	±2.5	Pass
	3.80	43	0.060563		
	3.23	68	0.095775		
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	72	0.101408	±2.5	Pass
	3.80	95	0.133803		
	3.23	64	0.090141		