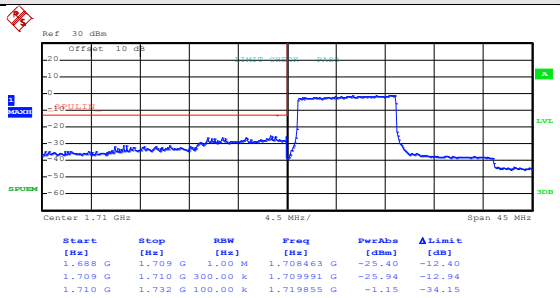
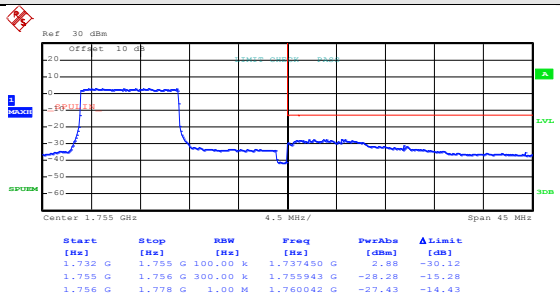
Test Mode:	LTE band 4(QPSK RB Size 50& RB Offset 0)



Date: 6.MAR.2016 03:30:06

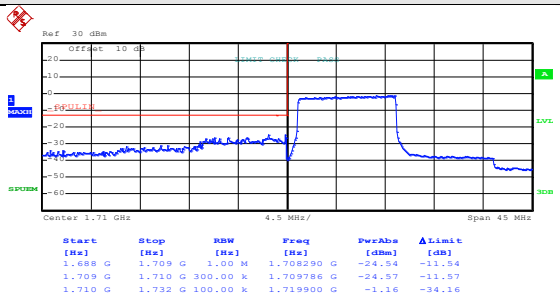
Lowest channel



Date: 6.MAR.2016 02:42:39

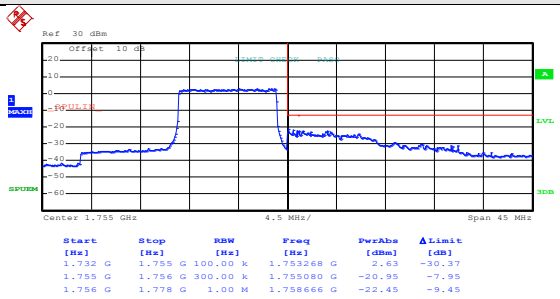
Highest channel

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



Date: 6.MAR.2016 03:30:54

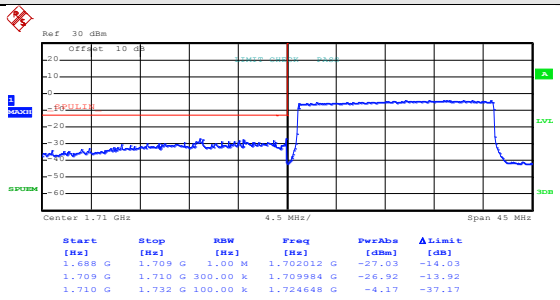
Lowest channel



Date: 6.MAR.2016 02:44:28

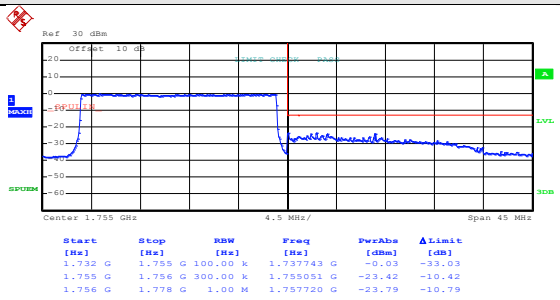
Highest channel

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



Date: 6.MAR.2016 03:31:11

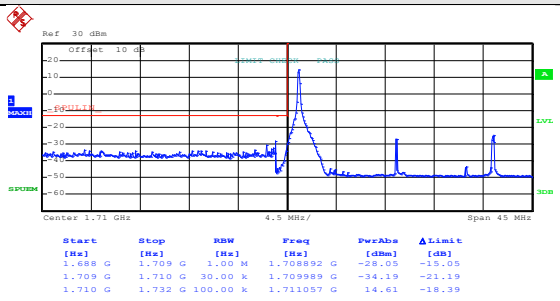
Lowest channel



Date: 6.MAR.2016 02:44:45

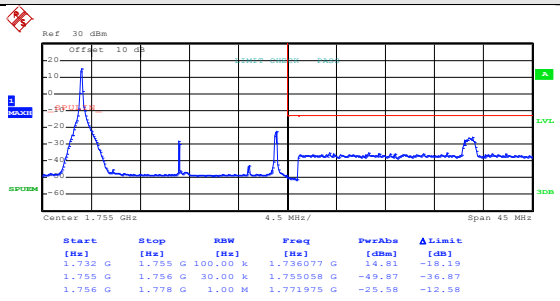
Highest channel

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



Date: 6.MAR.2016 03:29:13

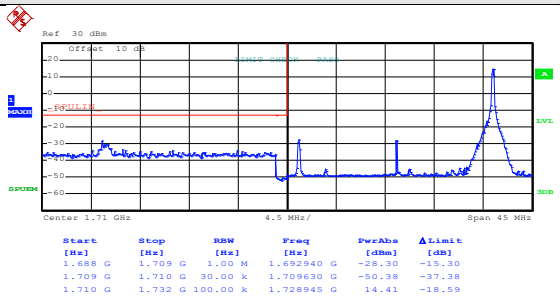
Lowest channel



Date: 6.MAR.2016 03:32:31

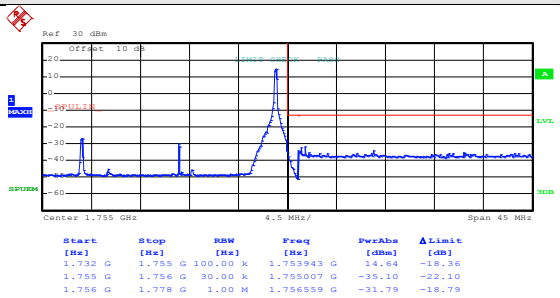
Highest channel

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



Date: 6.MAR.2016 03:29:26

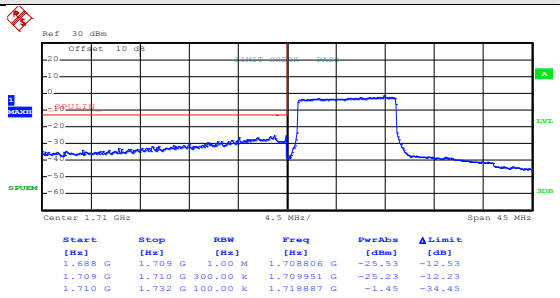
Lowest channel



Date: 6.MAR.2016 03:32:52

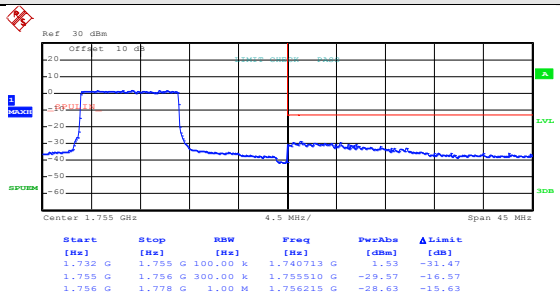
Highest channel

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



Date: 6.MAR.2016 03:30:24

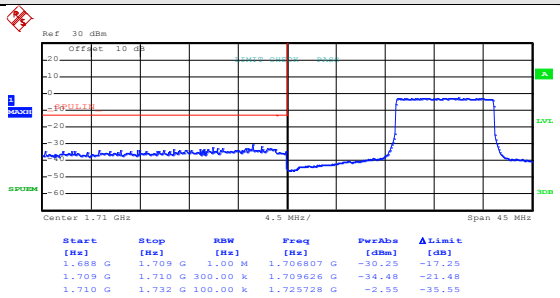
Lowest channel



Date: 6.MAR.2016 02:42:54

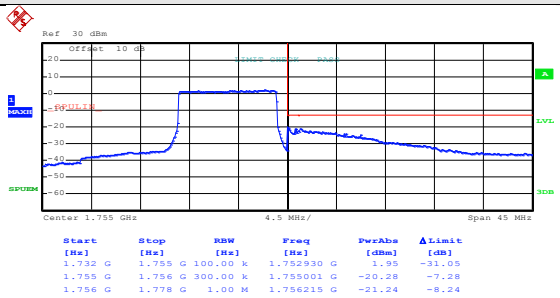
Highest channel

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



Date: 6.MAR.2016 03:30:37

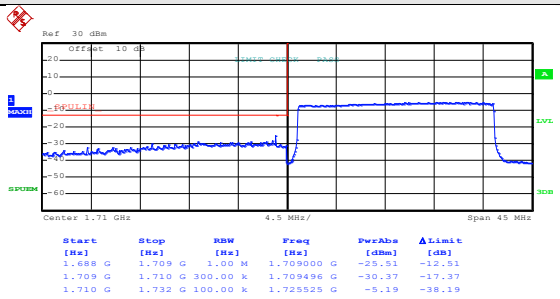
Lowest channel



Date: 6.MAR.2016 02:44:14

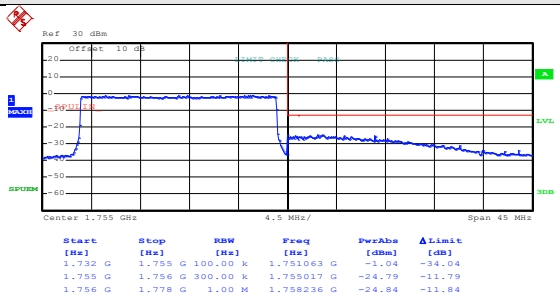
Highest channel

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



Date: 6.MAR.2016 03:31:23

Lowest channel



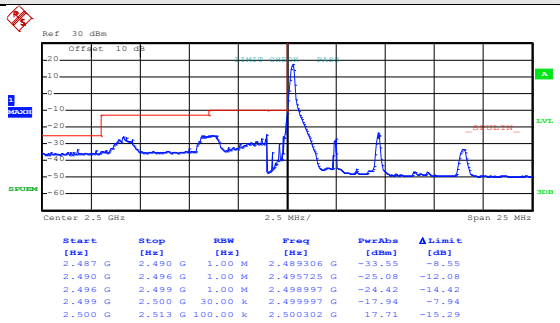
Date: 6.MAR.2016 02:44:56

Highest channel

LTE band 7 part:

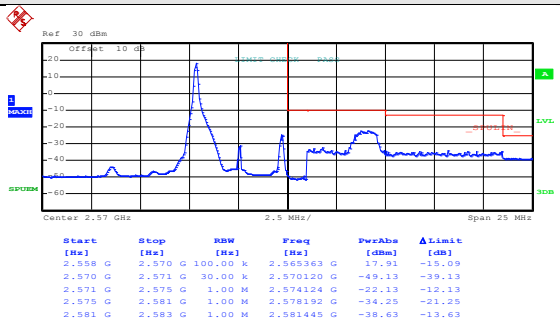
5MHz:

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



Date: 5.MAR.2016 23:06:05

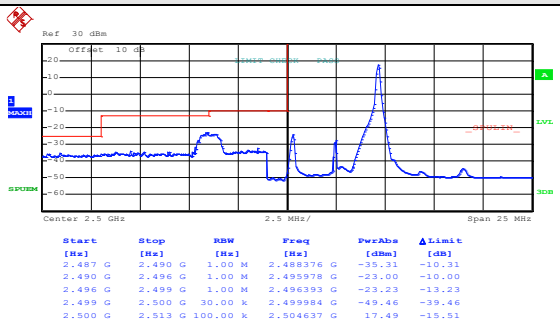
Lowest channel



Date: 5.MAR.2016 23:10:55

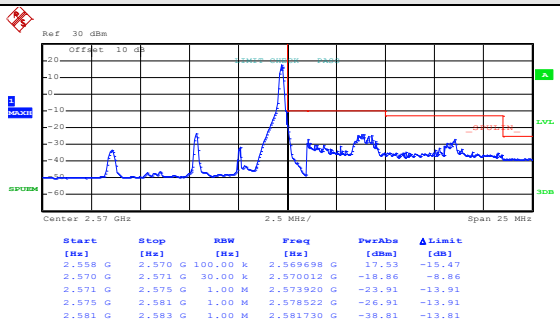
Highest channel

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



Date: 5.MAR.2016 23:07:23

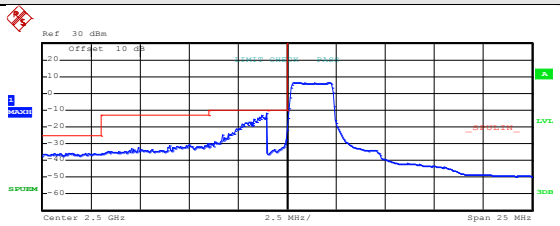
Lowest channel



Date: 5.MAR.2016 23:11:38

Highest channel

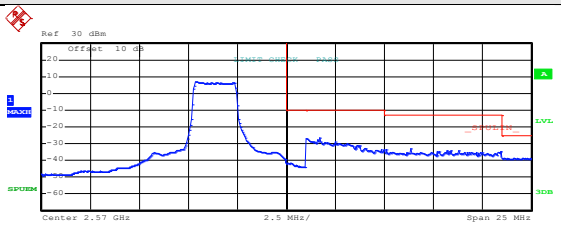
Test Mode:	LTE band 7(QPSK RB Size 12& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.488895 G	-35.58	-10.58
2.490 G	2.496 G	1.00 M	2.495940 G	-30.12	-17.12
2.496 G	2.499 G	1.00 M	2.498949 G	-11.89	-1.89
2.499 G	2.500 G	30.00 k	2.499999 G	-27.47	-17.47
2.500 G	2.513 G	100.00 k	2.502117 G	6.50	-26.50

Date: 5.MAR.2016 23:07:52

Lowest channel

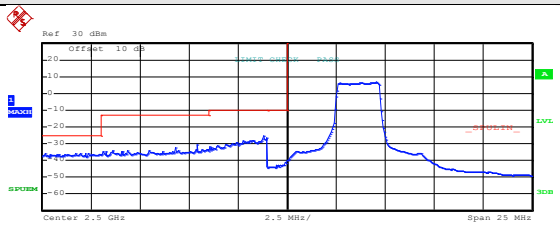


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.565363 G	6.81	-26.19
2.570 G	2.571 G	30.00 k	2.570083 G	-41.44	-31.44
2.571 G	2.575 G	1.00 M	2.571700 G	-26.52	-16.52
2.575 G	2.581 G	1.00 M	2.576344 G	-33.12	-20.12
2.581 G	2.583 G	1.00 M	2.581576 G	-38.70	-13.70

Date: 5.MAR.2016 23:13:31

Highest channel

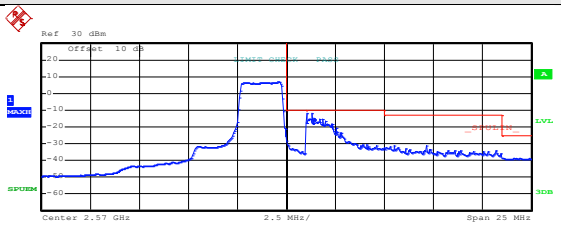
Test Mode:	LTE band 7(QPSK RB Size 12& RB Offset 11)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.489207 G	-35.96	-10.96
2.490 G	2.496 G	1.00 M	2.495401 G	-30.69	-17.69
2.496 G	2.499 G	1.00 M	2.498784 G	-25.43	-15.43
2.499 G	2.500 G	30.00 k	2.499889 G	-40.96	-30.96
2.500 G	2.513 G	100.00 k	2.504536 G	6.67	-26.33

Date: 5.MAR.2016 23:08:37

Lowest channel

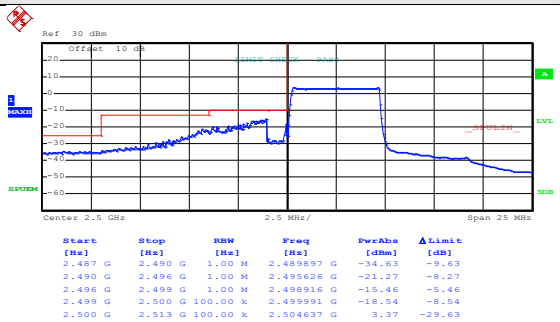


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.569597 G	6.82	-26.18
2.570 G	2.571 G	30.00 k	2.570001 G	-26.69	-16.69
2.571 G	2.575 G	1.00 M	2.571064 G	-11.94	-1.94
2.575 G	2.581 G	1.00 M	2.575498 G	-31.26	-18.26
2.581 G	2.583 G	1.00 M	2.581094 G	-38.68	-13.68

Date: 5.MAR.2016 23:14:23

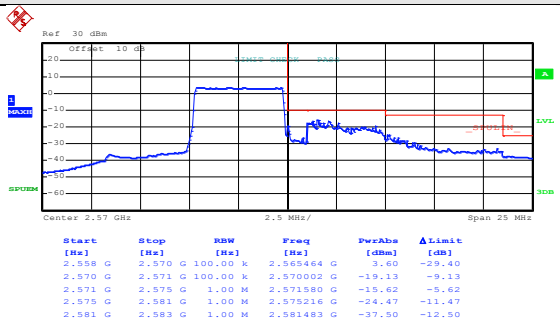
Highest channel

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



Date: 5.MAR.2016 23:09:31

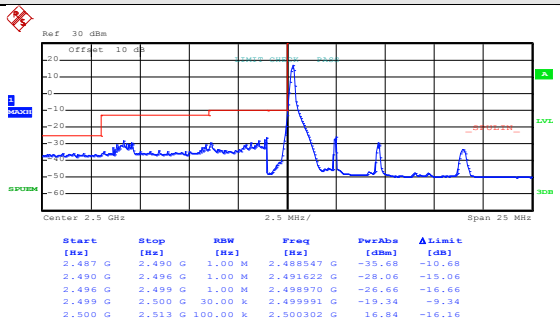
Lowest channel



Date: 5.MAR.2016 23:15:05

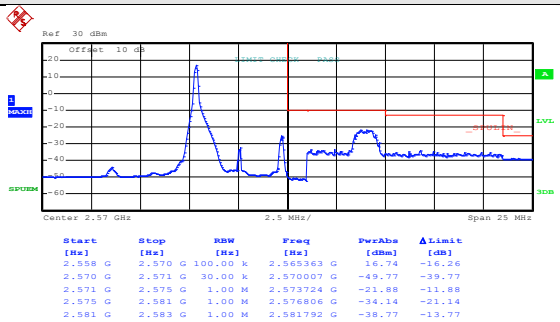
Highest channel

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



Date: 5.MAR.2016 23:06:56

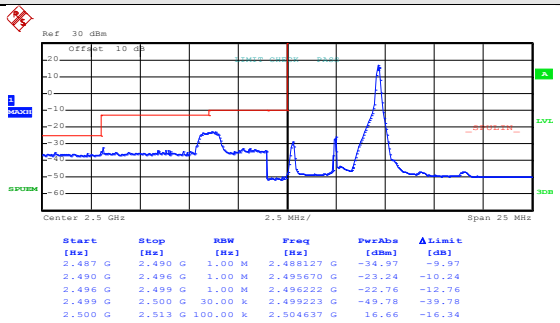
Lowest channel



Date: 5.MAR.2016 23:11:07

Highest channel

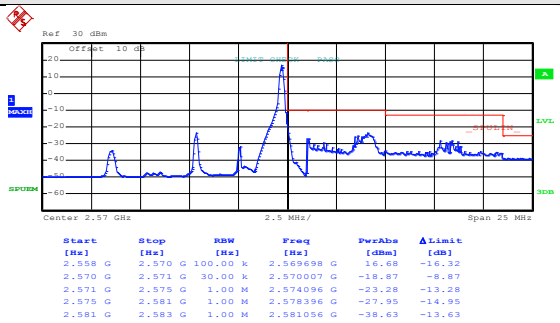
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 24)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.488127 G	-34.97	-9.97
2.490 G	2.496 G	1.00 M	2.495670 G	-23.24	-10.24
2.496 G	2.499 G	1.00 M	2.496222 G	-22.76	-12.76
2.499 G	2.500 G	30.00 k	2.499223 G	-49.78	-39.78
2.500 G	2.513 G	100.00 k	2.504637 G	16.66	-16.34

Date: 5.MAR.2016 23:07:11

Lowest channel

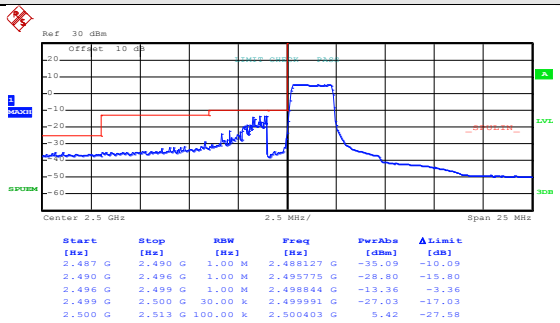


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.569698 G	16.68	-16.32
2.570 G	2.571 G	30.00 k	2.570007 G	-18.87	-8.87
2.571 G	2.575 G	1.00 M	2.574096 G	-23.28	-13.28
2.575 G	2.581 G	1.00 M	2.578396 G	-27.95	-14.95
2.581 G	2.583 G	1.00 M	2.581056 G	-38.63	-13.63

Date: 5.MAR.2016 23:11:25

Highest channel

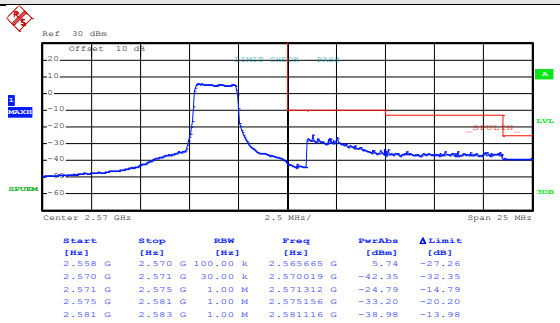
Test Mode:	LTE band 7(16QAM RB Size 12& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.488127 G	-35.09	-10.09
2.490 G	2.496 G	1.00 M	2.495775 G	-28.80	-15.80
2.496 G	2.499 G	1.00 M	2.498844 G	-13.36	-3.36
2.499 G	2.500 G	30.00 k	2.499991 G	-27.03	-17.03
2.500 G	2.513 G	100.00 k	2.500403 G	5.42	-27.58

Date: 5.MAR.2016 23:08:07

Lowest channel

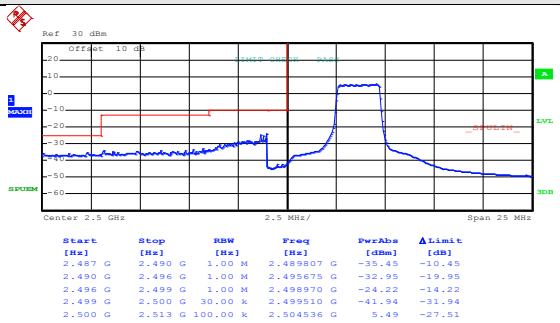


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.565665 G	5.74	-27.26
2.570 G	2.571 G	30.00 k	2.570019 G	-42.35	-32.35
2.571 G	2.575 G	1.00 M	2.571312 G	-24.79	-14.79
2.575 G	2.581 G	1.00 M	2.575156 G	-33.20	-20.20
2.581 G	2.583 G	1.00 M	2.581116 G	-38.98	-13.98

Date: 5.MAR.2016 23:13:48

Highest channel

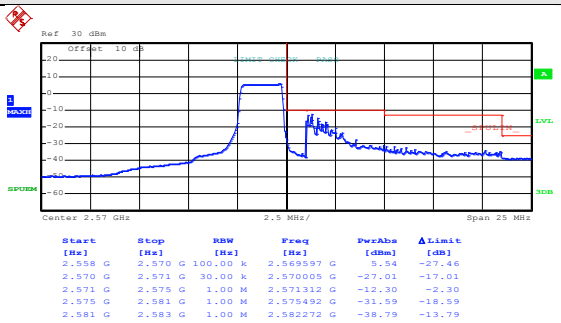
Test Mode:	LTE band 7(16QAM RB Size 12& RB Offset 11)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.489807 G	-35.45	-10.45
2.490 G	2.496 G	1.00 M	2.495675 G	-32.95	-19.95
2.496 G	2.499 G	1.00 M	2.498970 G	-24.22	-14.22
2.499 G	2.500 G	30.00 k	2.499510 G	-41.94	-31.94
2.500 G	2.513 G	100.00 k	2.504536 G	5.49	-27.51

Date: 5.MAR.2016 23:08:22

Lowest channel

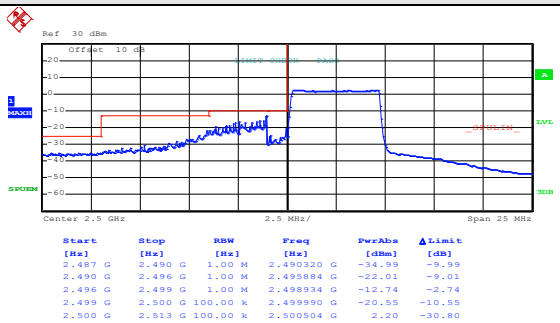


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.569597 G	5.54	-27.46
2.570 G	2.571 G	30.00 k	2.570005 G	-27.01	-17.01
2.571 G	2.575 G	1.00 M	2.571312 G	-12.30	-2.30
2.575 G	2.581 G	1.00 M	2.575492 G	-31.59	-18.59
2.581 G	2.583 G	1.00 M	2.582272 G	-38.79	-13.79

Date: 5.MAR.2016 23:14:04

Highest channel

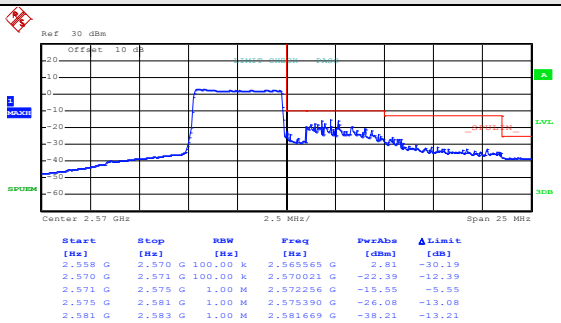
Test Mode:	LTE band 7(16QAM RB Size 25& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.490320 G	-34.99	-9.99
2.490 G	2.496 G	1.00 M	2.495884 G	-22.01	-9.01
2.496 G	2.499 G	1.00 M	2.498934 G	-12.74	-2.74
2.499 G	2.500 G	100.00 k	2.499990 G	-20.55	-10.55
2.500 G	2.513 G	100.00 k	2.500504 G	2.20	-30.80

Date: 5.MAR.2016 23:09:52

Lowest channel



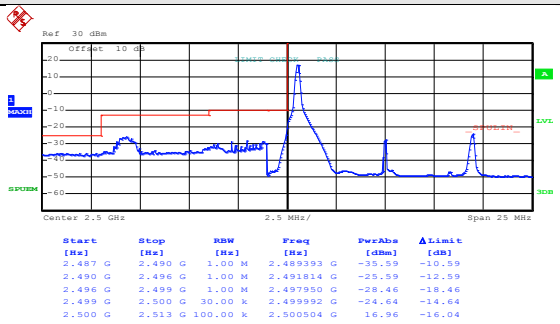
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.565565 G	2.81	-30.19
2.570 G	2.571 G	100.00 k	2.570021 G	-22.39	-12.39
2.571 G	2.575 G	1.00 M	2.572256 G	-15.55	-5.55
2.575 G	2.581 G	1.00 M	2.575390 G	-26.08	-13.08
2.581 G	2.583 G	1.00 M	2.581669 G	-38.21	-13.21

Date: 5.MAR.2016 23:15:17

Highest channel

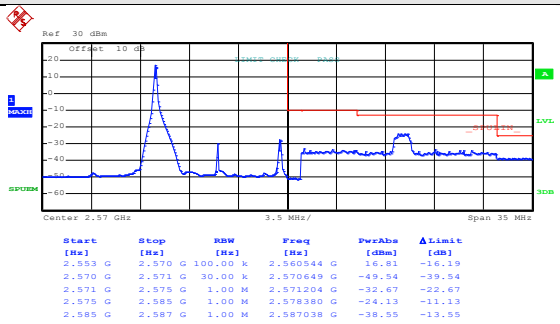
10MHz:

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



Date: 5.MAR.2016 23:19:15

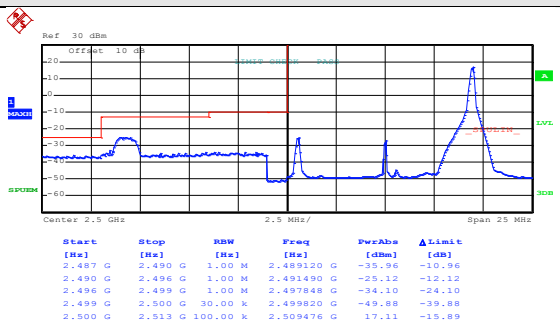
Lowest channel



Date: 6.MAR.2016 00:05:20

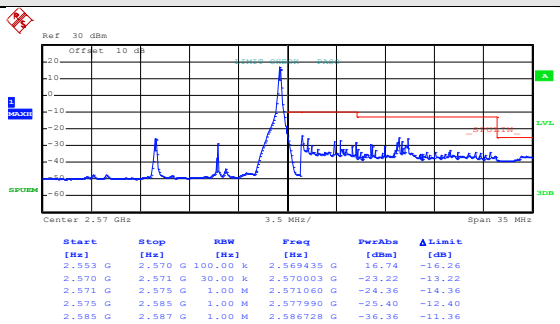
Highest channel

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



Date: 5.MAR.2016 23:20:42

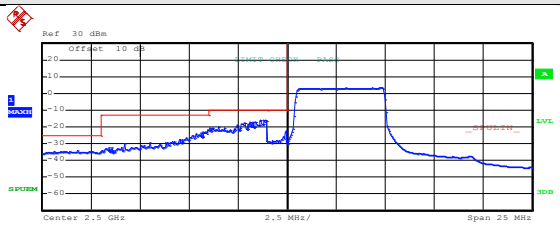
Lowest channel



Date: 6.MAR.2016 00:06:04

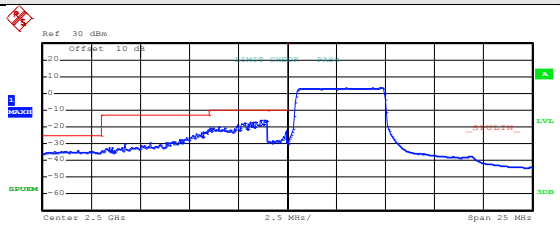
Highest channel

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.489306 G	-34.31	-9.31
2.490 G	2.496 G	1.00 M	2.495961 G	-21.48	-8.48
2.496 G	2.499 G	1.00 M	2.498793 G	-15.86	-5.86
2.499 G	2.500 G	100.00 k	2.499996 G	-22.15	-12.15
2.500 G	2.513 G	100.00 k	2.504738 G	3.28	-29.72

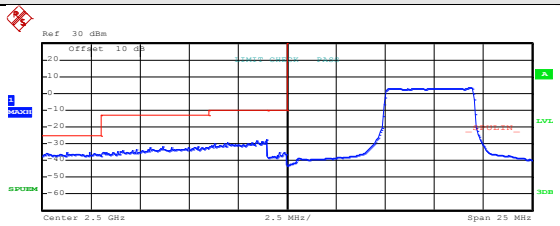
Date: 5.MAR.2016 23:21:28



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.489306 G	-34.31	-9.31
2.490 G	2.496 G	1.00 M	2.495961 G	-21.48	-8.48
2.496 G	2.499 G	1.00 M	2.498793 G	-15.86	-5.86
2.499 G	2.500 G	100.00 k	2.499996 G	-22.15	-12.15
2.500 G	2.513 G	100.00 k	2.504738 G	3.28	-29.72

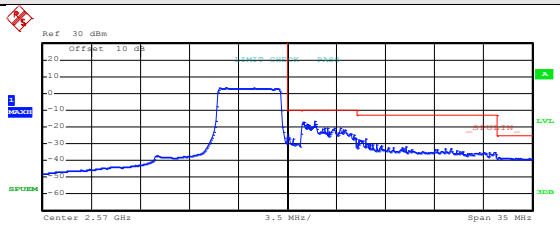
Date: 5.MAR.2016 23:21:28

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.488769 G	-34.96	-9.96
2.490 G	2.496 G	1.00 M	2.495461 G	-31.89	-18.89
2.496 G	2.499 G	1.00 M	2.498994 G	-27.68	-17.68
2.499 G	2.500 G	100.00 k	2.499846 G	-35.32	-25.32
2.500 G	2.513 G	100.00 k	2.509274 G	3.18	-29.82

Date: 5.MAR.2016 23:22:16



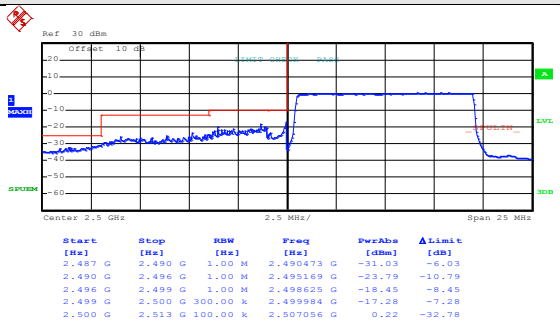
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.567601 G	3.27	-29.73
2.570 G	2.571 G	100.00 k	2.570016 G	-24.48	-14.48
2.571 G	2.575 G	1.00 M	2.571944 G	-16.49	-6.49
2.575 G	2.585 G	1.00 M	2.575600 G	-26.95	-13.95
2.585 G	2.587 G	1.00 M	2.586324 G	-38.34	-13.34

Date: 6.MAR.2016 00:07:44

Lowest channel

Highest channel

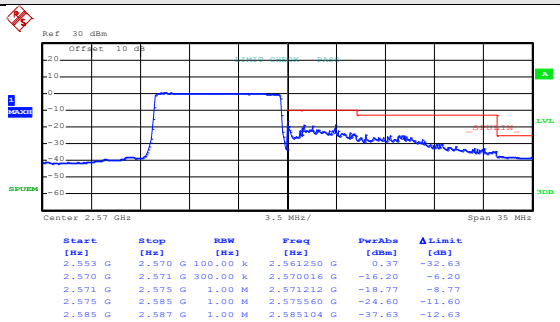
Test Mode:	LTE band 7(QPSK RB Size 50& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.490473 G	-31.03	-6.03
2.490 G	2.496 G	1.00 M	2.495169 G	-23.79	-10.79
2.496 G	2.499 G	1.00 M	2.498625 G	-18.45	-8.45
2.499 G	2.500 G	300.00 k	2.499984 G	-17.28	-7.28
2.500 G	2.513 G	100.00 k	2.507056 G	0.22	-32.78

Date: 5.MAR.2016 23:23:08

Lowest channel

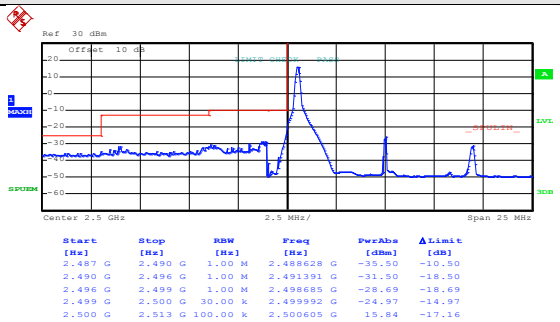


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.561250 G	0.37	-32.63
2.570 G	2.571 G	300.00 k	2.570016 G	-16.20	-6.20
2.571 G	2.575 G	1.00 M	2.571212 G	-18.77	-8.77
2.575 G	2.585 G	1.00 M	2.575560 G	-24.60	-11.60
2.585 G	2.587 G	1.00 M	2.585104 G	-37.63	-12.63

Date: 6.MAR.2016 00:08:19

Highest channel

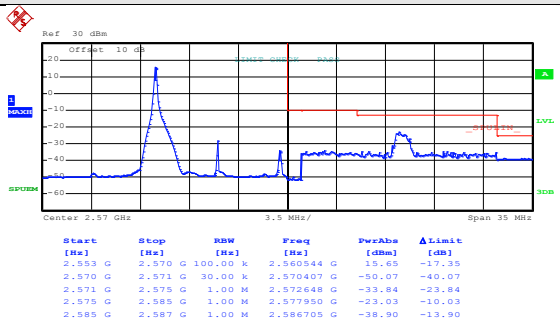
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.488628 G	-35.50	-10.50
2.490 G	2.496 G	1.00 M	2.491391 G	-31.50	-18.50
2.496 G	2.499 G	1.00 M	2.498685 G	-28.69	-18.69
2.499 G	2.500 G	30.00 k	2.499992 G	-24.97	-14.97
2.500 G	2.513 G	100.00 k	2.500605 G	15.84	-17.16

Date: 5.MAR.2016 23:19:41

Lowest channel

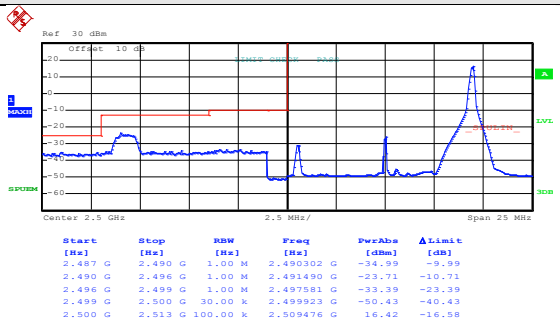


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.560544 G	15.65	-17.35
2.570 G	2.571 G	30.00 k	2.570407 G	-50.07	-40.07
2.571 G	2.575 G	1.00 M	2.572648 G	-33.84	-23.84
2.575 G	2.585 G	1.00 M	2.577950 G	-23.03	-10.03
2.585 G	2.587 G	1.00 M	2.586705 G	-38.90	-13.90

Date: 6.MAR.2016 00:05:39

Highest channel

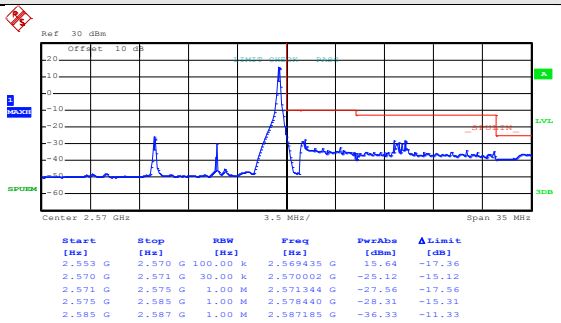
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 49)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.490302 G	-34.99	-9.99
2.490 G	2.496 G	1.00 M	2.491490 G	-23.71	-10.71
2.496 G	2.499 G	1.00 M	2.497581 G	-33.39	-23.39
2.499 G	2.500 G	30.00 k	2.499923 G	-50.43	-40.43
2.500 G	2.513 G	100.00 k	2.509476 G	16.42	-16.58

Date: 5.MAR.2016 23:20:28

Lowest channel

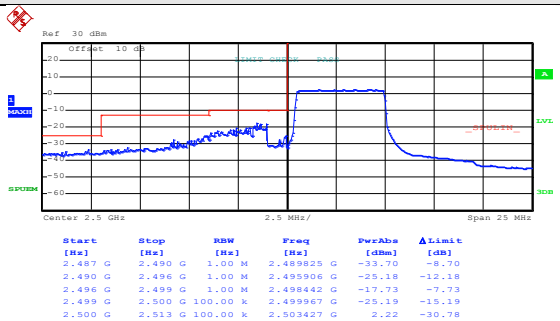


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.569435 G	15.64	-17.36
2.570 G	2.571 G	30.00 k	2.570002 G	-25.12	-15.12
2.571 G	2.575 G	1.00 M	2.571344 G	-27.56	-17.56
2.575 G	2.585 G	1.00 M	2.578440 G	-28.31	-15.31
2.585 G	2.587 G	1.00 M	2.587185 G	-36.33	-11.33

Date: 6.MAR.2016 00:05:53

Highest channel

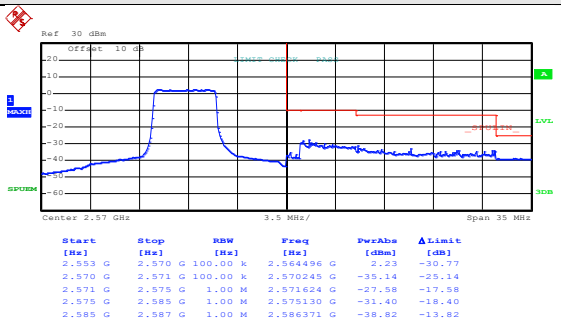
Test Mode:	LTE band 7(16QAM RB Size 25& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.489825 G	-33.70	-8.70
2.490 G	2.496 G	1.00 M	2.495906 G	-25.18	-12.18
2.496 G	2.499 G	1.00 M	2.498442 G	-17.73	-7.73
2.499 G	2.500 G	100.00 k	2.499967 G	-25.19	-15.19
2.500 G	2.513 G	100.00 k	2.503427 G	2.22	-30.78

Date: 5.MAR.2016 23:21:42

Lowest channel

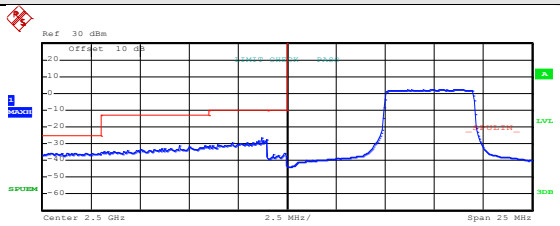


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.564496 G	2.23	-30.77
2.570 G	2.571 G	100.00 k	2.570245 G	-35.14	-25.14
2.571 G	2.575 G	1.00 M	2.571624 G	-27.58	-17.58
2.575 G	2.585 G	1.00 M	2.575130 G	-31.40	-18.40
2.585 G	2.587 G	1.00 M	2.586371 G	-38.82	-13.82

Date: 6.MAR.2016 00:07:14

Highest channel

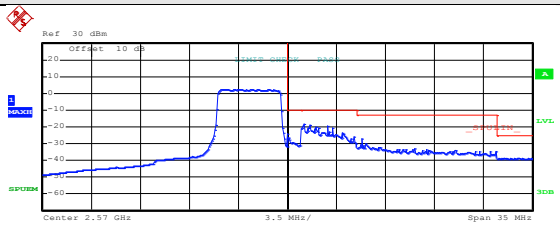
Test Mode:	LTE band 7(16QAM RB Size 25& RB Offset 24)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.489168 G	-35.51	-10.51
2.490 G	2.496 G	1.00 M	2.495808 G	-31.20	-18.20
2.496 G	2.499 G	1.00 M	2.498673 G	-26.61	-16.61
2.499 G	2.500 G	100.00 k	2.499895 G	-35.63	-25.63
2.500 G	2.513 G	100.00 k	2.508669 G	2.10	-30.90

Date: 5.MAR.2016 23:22:00

Lowest channel

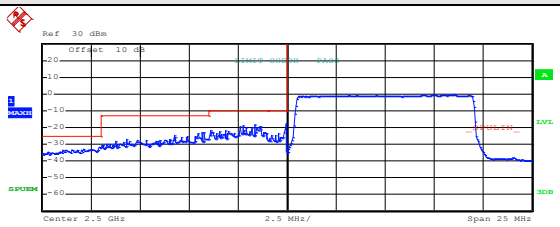


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.567460 G	2.31	-30.69
2.570 G	2.571 G	100.00 k	2.570032 G	-24.33	-14.33
2.571 G	2.575 G	1.00 M	2.571212 G	-18.20	-8.20
2.575 G	2.585 G	1.00 M	2.575320 G	-27.21	-14.21
2.585 G	2.587 G	1.00 M	2.586486 G	-38.70	-13.70

Date: 6.MAR.2016 00:07:29

Highest channel

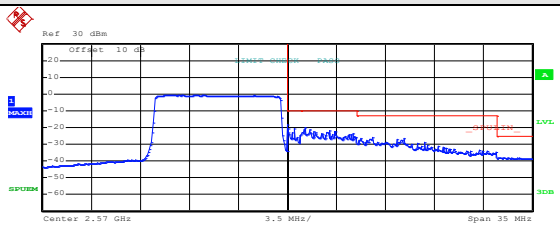
Test Mode:	LTE band 7(16QAM RB Size 50& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.490413 G	-31.62	-6.62
2.490 G	2.496 G	1.00 M	2.495637 G	-22.69	-9.69
2.496 G	2.499 G	1.00 M	2.498367 G	-18.05	-8.05
2.499 G	2.500 G	300.00 k	2.499937 G	-17.86	-7.86
2.500 G	2.513 G	100.00 k	2.508569 G	-0.19	-33.19

Date: 5.MAR.2016 23:23:20

Lowest channel



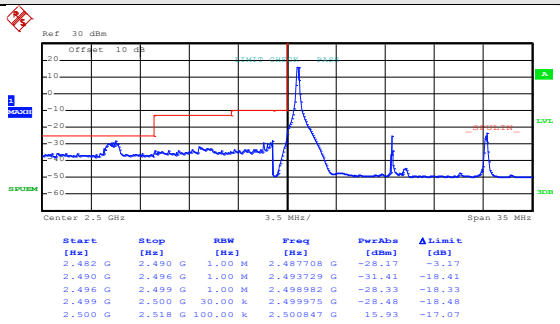
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.561250 G	-0.52	-33.52
2.570 G	2.571 G	300.00 k	2.570031 G	-18.03	-8.03
2.571 G	2.575 G	1.00 M	2.571244 G	-20.23	-10.23
2.575 G	2.585 G	1.00 M	2.576060 G	-25.75	-12.75
2.585 G	2.587 G	1.00 M	2.585264 G	-37.80	-12.80

Date: 6.MAR.2016 00:08:29

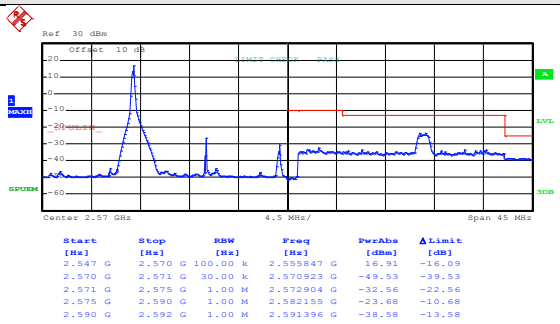
Highest channel

15MHz:

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

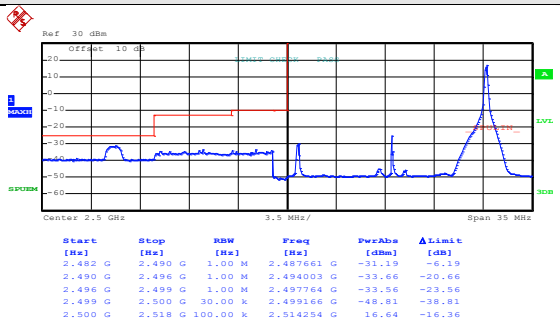


Lowest channel

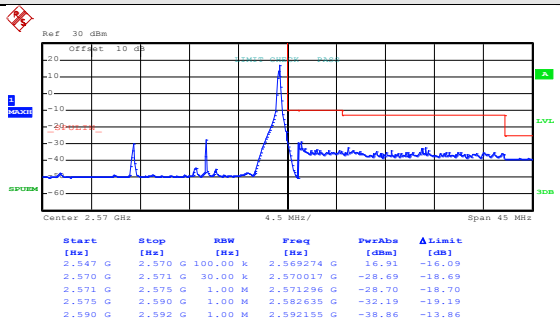


Highest channel

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

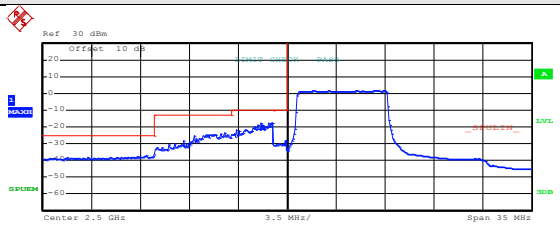


Lowest channel



Highest channel

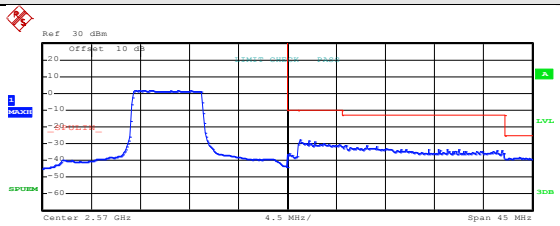
Test Mode:	LTE band 7(QPSK RB Size 36& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.489855 G	-37.23	-12.23
2.490 G	2.496 G	1.00 M	2.495527 G	-23.47	-10.47
2.496 G	2.499 G	1.00 M	2.498700 G	-17.61	-7.61
2.499 G	2.500 G	100.00 k	2.499883 G	-27.98	-17.98
2.500 G	2.518 G	100.00 k	2.504940 G	1.88	-31.12

Date: 5.MAR.2016 23:32:17

Lowest channel

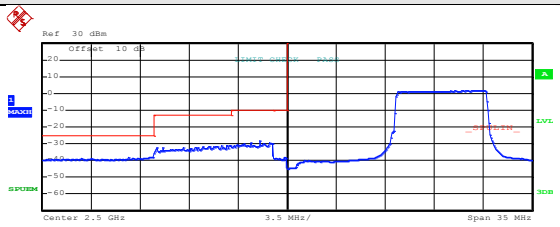


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.556754 G	1.70	-31.30
2.570 G	2.571 G	100.00 k	2.570140 G	-35.97	-25.97
2.571 G	2.575 G	1.00 M	2.571132 G	-27.46	-17.46
2.575 G	2.590 G	1.00 M	2.575285 G	-30.96	-17.96
2.590 G	2.592 G	1.00 M	2.591323 G	-38.29	-13.29

Date: 6.MAR.2016 02:23:07

Highest channel

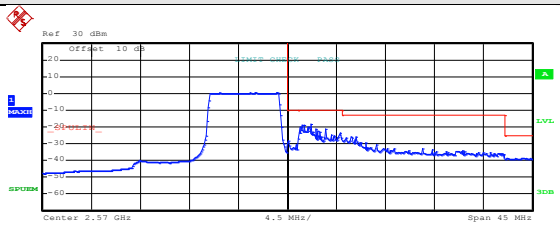
Test Mode:	LTE band 7(QPSK RB Size 36& RB Offset 37)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.490113 G	-37.92	-12.92
2.490 G	2.496 G	1.00 M	2.495961 G	-30.94	-17.94
2.496 G	2.499 G	1.00 M	2.498019 G	-28.16	-18.16
2.499 G	2.500 G	100.00 k	2.499038 G	-37.91	-27.91
2.500 G	2.518 G	100.00 k	2.511996 G	1.66	-31.34

Date: 5.MAR.2016 23:33:11

Lowest channel

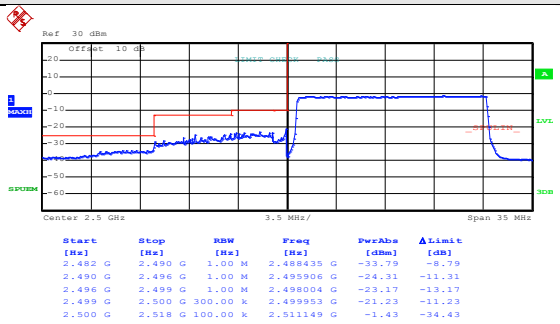


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.567097 G	0.53	-32.47
2.570 G	2.571 G	100.00 k	2.570094 G	-28.13	-18.13
2.571 G	2.575 G	1.00 M	2.572160 G	-18.50	-8.50
2.575 G	2.590 G	1.00 M	2.576290 G	-25.67	-12.67
2.590 G	2.592 G	1.00 M	2.591544 G	-38.57	-13.57

Date: 6.MAR.2016 02:24:39

Highest channel

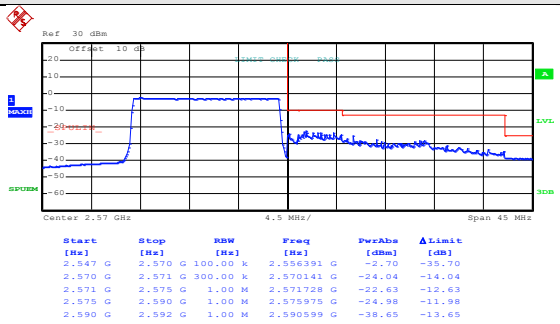
Test Mode:	LTE band 7(QPSK RB Size 75& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.488435 G	-33.79	-8.79
2.490 G	2.496 G	1.00 M	2.495906 G	-24.31	-11.31
2.496 G	2.499 G	1.00 M	2.498004 G	-23.17	-13.17
2.499 G	2.500 G	300.00 k	2.499953 G	-21.23	-11.23
2.500 G	2.518 G	100.00 k	2.511149 G	-1.43	-34.43

Date: 5.MAR.2016 23:34:06

Lowest channel

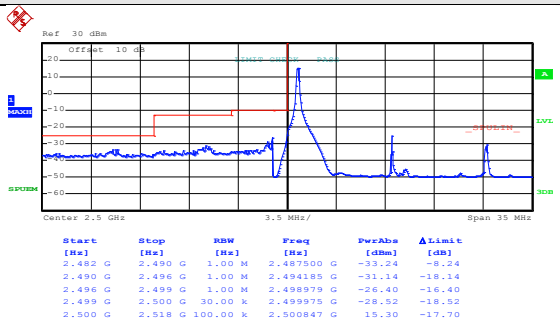


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.556391 G	-2.70	-35.70
2.570 G	2.571 G	300.00 k	2.570141 G	-24.04	-14.04
2.571 G	2.575 G	1.00 M	2.571728 G	-22.63	-12.63
2.575 G	2.590 G	1.00 M	2.575975 G	-24.98	-11.98
2.590 G	2.592 G	1.00 M	2.590599 G	-38.65	-13.65

Date: 6.MAR.2016 02:25:08

Highest channel

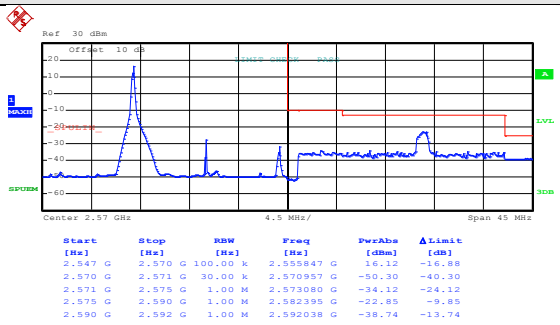
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.487500 G	-33.24	-8.24
2.490 G	2.496 G	1.00 M	2.494185 G	-31.14	-18.14
2.496 G	2.499 G	1.00 M	2.498979 G	-26.40	-16.40
2.499 G	2.500 G	30.00 k	2.499975 G	-28.52	-18.52
2.500 G	2.518 G	100.00 k	2.500847 G	15.30	-17.70

Date: 5.MAR.2016 23:30:26

Lowest channel

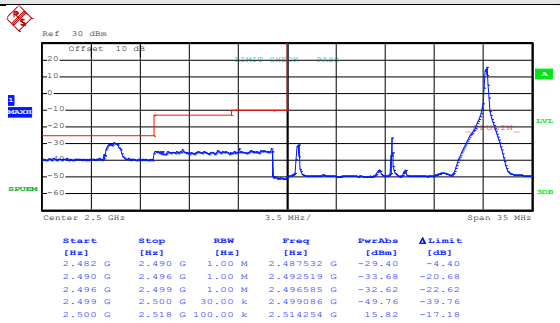


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.555847 G	16.12	-16.88
2.570 G	2.571 G	30.00 k	2.570957 G	-50.30	-40.30
2.571 G	2.575 G	1.00 M	2.573080 G	-34.12	-24.12
2.575 G	2.590 G	1.00 M	2.582395 G	-22.85	-9.85
2.590 G	2.592 G	1.00 M	2.592038 G	-38.74	-13.74

Date: 6.MAR.2016 02:21:48

Highest channel

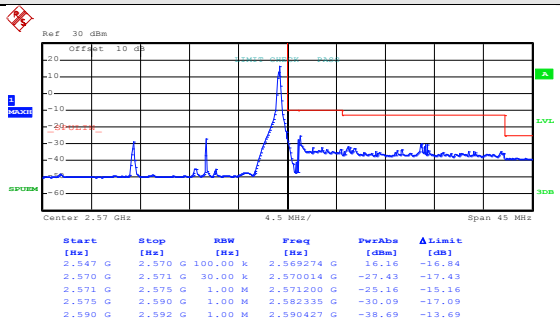
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 74)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.487532 G	-29.40	-4.40
2.490 G	2.496 G	1.00 M	2.492519 G	-33.68	-20.68
2.496 G	2.499 G	1.00 M	2.496585 G	-32.62	-22.62
2.499 G	2.500 G	30.00 k	2.499086 G	-49.76	-39.76
2.500 G	2.518 G	100.00 k	2.514254 G	15.82	-17.18

Date: 5.MAR.2016 23:31:32

Lowest channel

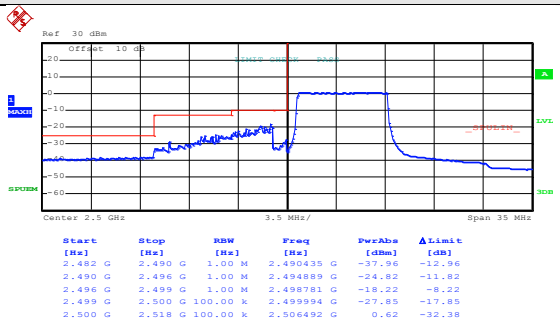


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.569274 G	16.16	-16.84
2.570 G	2.571 G	30.00 k	2.570014 G	-27.43	-17.43
2.571 G	2.575 G	1.00 M	2.571200 G	-25.16	-15.16
2.575 G	2.590 G	1.00 M	2.582335 G	-30.09	-17.09
2.590 G	2.592 G	1.00 M	2.590427 G	-38.69	-13.69

Date: 6.MAR.2016 02:22:05

Highest channel

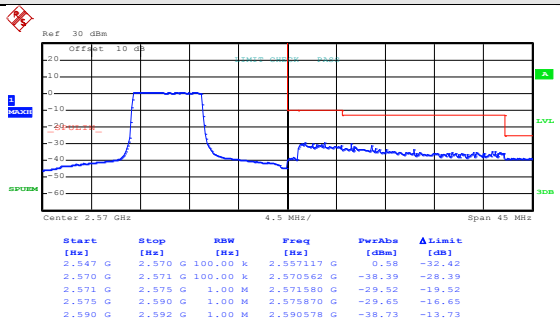
Test Mode:	LTE band 7(16QAM RB Size 36& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.490435 G	-37.96	-12.96
2.490 G	2.496 G	1.00 M	2.494889 G	-24.82	-11.82
2.496 G	2.499 G	1.00 M	2.498781 G	-18.22	-8.22
2.499 G	2.500 G	100.00 k	2.499994 G	-27.85	-17.85
2.500 G	2.518 G	100.00 k	2.506492 G	0.62	-32.38

Date: 5.MAR.2016 23:32:30

Lowest channel

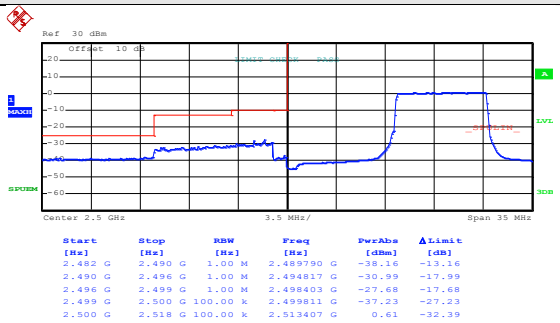


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.557117 G	0.58	-32.42
2.570 G	2.571 G	100.00 k	2.570562 G	-38.39	-28.39
2.571 G	2.575 G	1.00 M	2.571580 G	-29.52	-19.52
2.575 G	2.590 G	1.00 M	2.575870 G	-29.65	-16.65
2.590 G	2.592 G	1.00 M	2.590578 G	-38.73	-13.73

Date: 6.MAR.2016 02:23:21

Highest channel

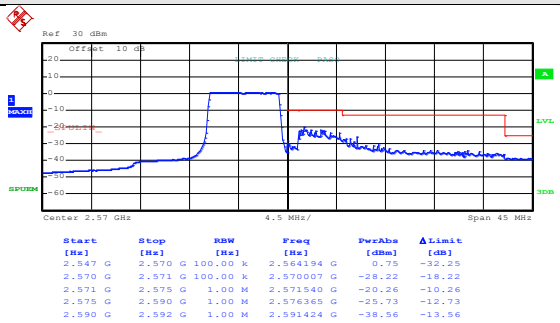
Test Mode:	LTE band 7(16QAM RB Size 36& RB Offset 37)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.489790 G	-38.16	-13.16
2.490 G	2.496 G	1.00 M	2.494817 G	-30.99	-17.99
2.496 G	2.499 G	1.00 M	2.498403 G	-27.68	-17.68
2.499 G	2.500 G	100.00 k	2.499811 G	-37.23	-27.23
2.500 G	2.518 G	100.00 k	2.513407 G	0.61	-32.39

Date: 5.MAR.2016 23:32:53

Lowest channel

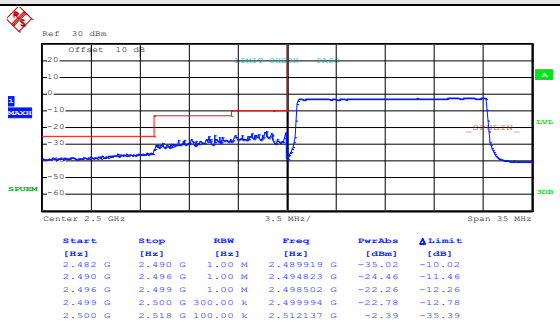


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.564194 G	0.75	-32.25
2.570 G	2.571 G	100.00 k	2.570007 G	-28.22	-18.22
2.571 G	2.575 G	1.00 M	2.571540 G	-20.26	-10.26
2.575 G	2.590 G	1.00 M	2.576365 G	-25.73	-12.73
2.590 G	2.592 G	1.00 M	2.591424 G	-38.56	-13.56

Date: 6.MAR.2016 02:23:34

Highest channel

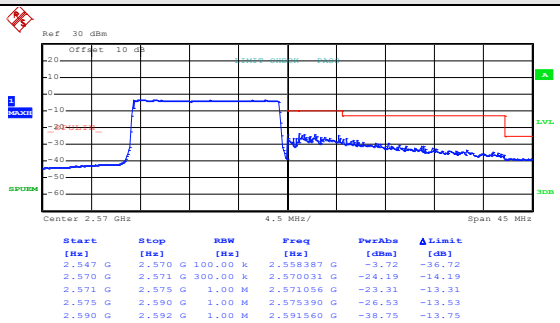
Test Mode:	LTE band 7(16QAM RB Size 75& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.489919 G	-35.02	-10.02
2.490 G	2.496 G	1.00 M	2.494823 G	-24.46	-11.46
2.496 G	2.499 G	1.00 M	2.498502 G	-22.26	-12.26
2.499 G	2.500 G	300.00 k	2.499994 G	-22.78	-12.78
2.500 G	2.518 G	100.00 k	2.512137 G	-2.39	-35.39

Date: 5.MAR.2016 23:34:19

Lowest channel



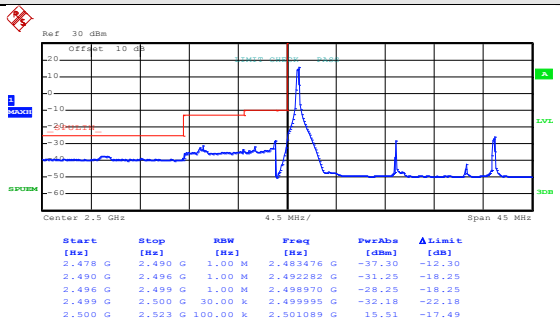
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.558387 G	-3.72	-36.72
2.570 G	2.571 G	300.00 k	2.570031 G	-24.19	-14.19
2.571 G	2.575 G	1.00 M	2.571056 G	-23.31	-13.31
2.575 G	2.590 G	1.00 M	2.575390 G	-26.53	-13.53
2.590 G	2.592 G	1.00 M	2.591560 G	-38.75	-13.75

Date: 6.MAR.2016 02:25:19

Highest channel

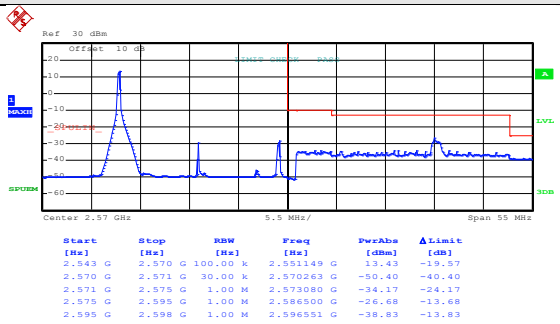
20MHz:

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



Date: 5.MAR.2016 23:41:11

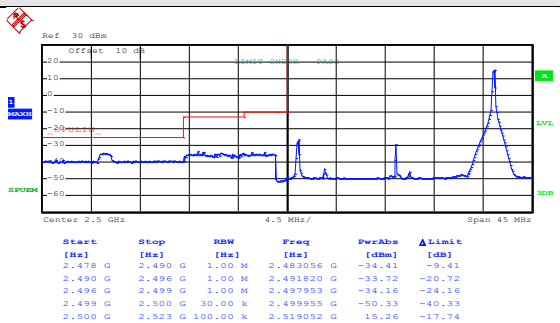
Lowest channel



Date: 6.MAR.2016 02:26:48

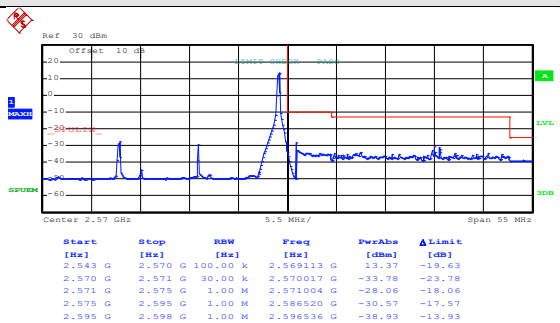
Highest channel

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



Date: 5.MAR.2016 23:41:53

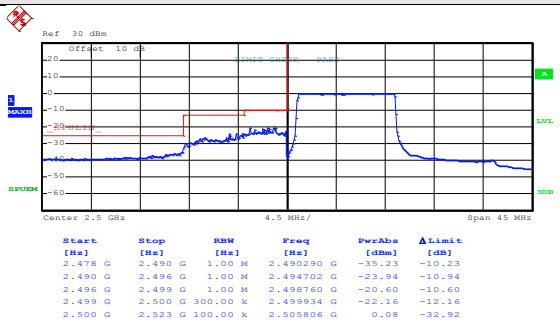
Lowest channel



Date: 6.MAR.2016 02:27:26

Highest channel

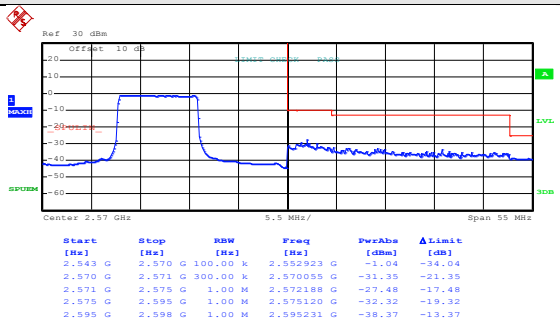
Test Mode:	LTE band 7(QPSK RB Size 50& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.490290 G	-35.23	-10.23
2.490 G	2.496 G	1.00 M	2.494702 G	-23.94	-10.94
2.496 G	2.499 G	1.00 M	2.498760 G	-20.60	-10.60
2.499 G	2.500 G	300.00 k	2.499934 G	-22.16	-12.16
2.500 G	2.523 G	100.00 k	2.505806 G	0.08	-32.92

Date: 5.MAR.2016 23:42:28

Lowest channel

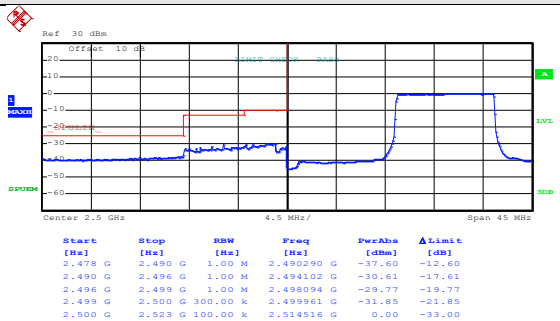


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.543 G	2.570 G	100.00 k	2.552923 G	-1.04	-34.04
2.570 G	2.571 G	300.00 k	2.570055 G	-31.35	-21.35
2.571 G	2.575 G	1.00 M	2.572188 G	-27.48	-17.48
2.575 G	2.595 G	1.00 M	2.575120 G	-32.32	-19.32
2.595 G	2.598 G	1.00 M	2.595231 G	-38.37	-13.37

Date: 6.MAR.2016 02:28:01

Highest channel

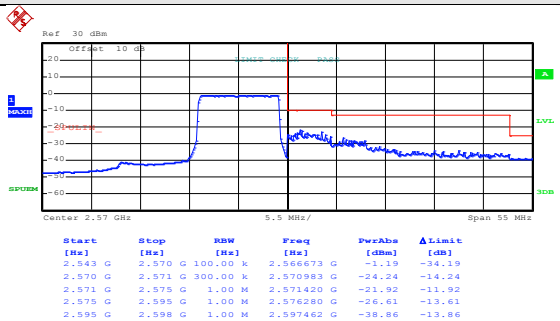
Test Mode:	LTE band 7(QPSK RB Size 50& RB Offset 49)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.490290 G	-37.60	-12.60
2.490 G	2.496 G	1.00 M	2.494102 G	-30.61	-17.61
2.496 G	2.499 G	1.00 M	2.498094 G	-29.77	-19.77
2.499 G	2.500 G	300.00 k	2.499961 G	-31.85	-21.85
2.500 G	2.523 G	100.00 k	2.514516 G	0.00	-33.00

Date: 5.MAR.2016 23:43:16

Lowest channel

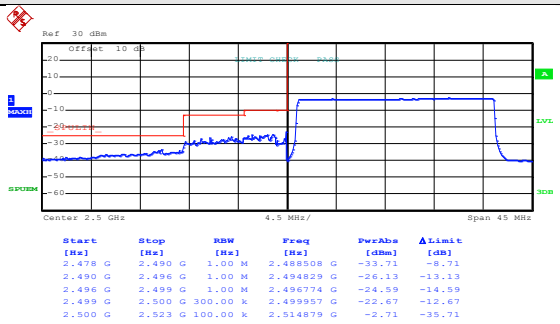


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.543 G	2.570 G	100.00 k	2.566673 G	-1.19	-34.19
2.570 G	2.571 G	300.00 k	2.570983 G	-24.24	-14.24
2.571 G	2.575 G	1.00 M	2.571420 G	-21.92	-11.92
2.575 G	2.595 G	1.00 M	2.576280 G	-26.61	-13.61
2.595 G	2.598 G	1.00 M	2.597462 G	-38.86	-13.86

Date: 6.MAR.2016 02:28:51

Highest channel

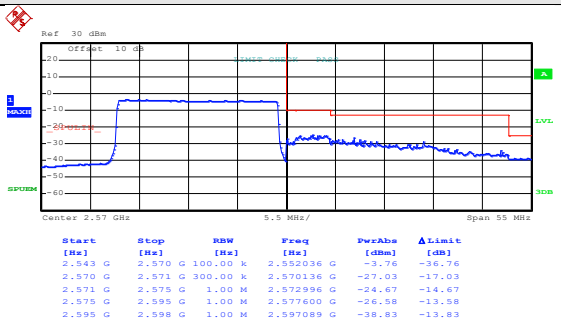
Test Mode:	LTE band 7(QPSK RB Size 100& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.488508 G	-33.71	-8.71
2.490 G	2.496 G	1.00 M	2.494829 G	-26.13	-13.13
2.496 G	2.499 G	1.00 M	2.496774 G	-24.59	-14.59
2.499 G	2.500 G	300.00 k	2.499957 G	-22.67	-12.67
2.500 G	2.523 G	100.00 k	2.514879 G	-2.71	-35.71

Date: 5.MAR.2016 23:43:56

Lowest channel

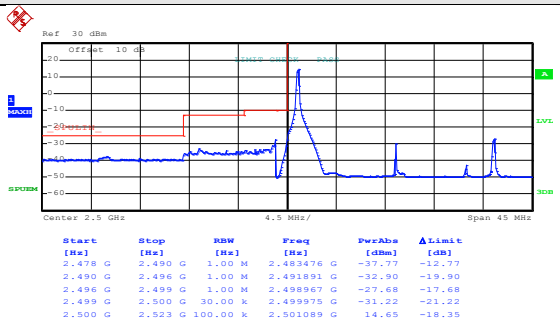


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.543 G	2.570 G	100.00 k	2.552036 G	-3.76	-36.76
2.570 G	2.571 G	300.00 k	2.570136 G	-27.03	-17.03
2.571 G	2.575 G	1.00 M	2.572996 G	-24.67	-14.67
2.575 G	2.595 G	1.00 M	2.577600 G	-26.58	-13.58
2.595 G	2.598 G	1.00 M	2.597089 G	-38.83	-13.83

Date: 6.MAR.2016 02:29:07

Highest channel

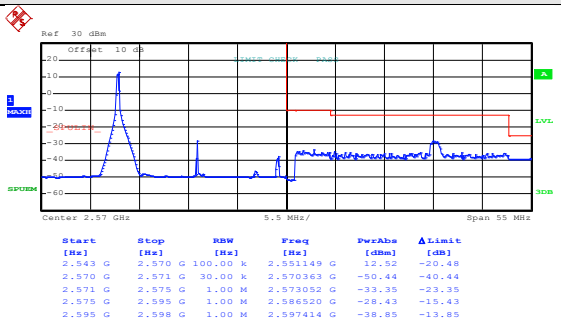
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.483476 G	-37.77	-12.77
2.490 G	2.496 G	1.00 M	2.491891 G	-32.90	-19.90
2.496 G	2.499 G	1.00 M	2.498967 G	-27.68	-17.68
2.499 G	2.500 G	30.00 k	2.499975 G	-31.22	-21.22
2.500 G	2.523 G	100.00 k	2.501089 G	14.65	-18.35

Date: 5.MAR.2016 23:41:27

Lowest channel

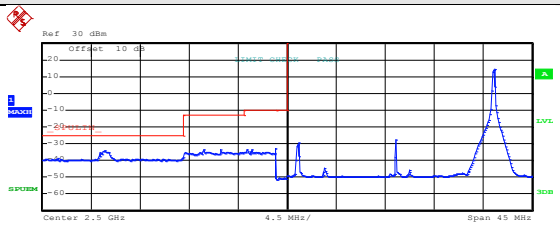


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.543 G	2.570 G	100.00 k	2.551149 G	12.52	-20.48
2.570 G	2.571 G	30.00 k	2.570363 G	-50.44	-40.44
2.571 G	2.575 G	1.00 M	2.573052 G	-33.35	-23.35
2.575 G	2.595 G	1.00 M	2.586520 G	-28.43	-15.43
2.595 G	2.598 G	1.00 M	2.597414 G	-38.85	-13.85

Date: 6.MAR.2016 02:27:02

Highest channel

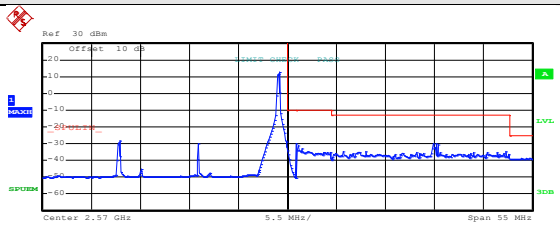
Test Mode:	LTE band 7(16QAM RB Size 1& RB Offset 99)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.483266 G	-34.05	-9.05
2.490 G	2.496 G	1.00 M	2.492359 G	-33.18	-20.18
2.496 G	2.499 G	1.00 M	2.498925 G	-32.71	-22.71
2.499 G	2.500 G	30.00 k	2.499275 G	-50.25	-40.25
2.500 G	2.523 G	100.00 k	2.519052 G	14.61	-18.39

Date: 5.MAR.2016 23:41:41

Lowest channel

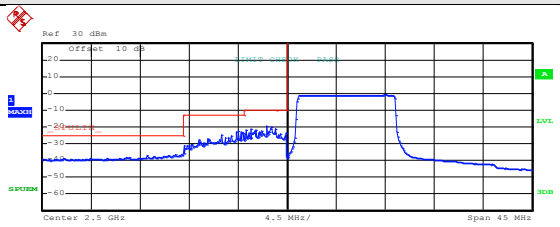


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.543 G	2.570 G	100.00 k	2.569113 G	12.78	-20.22
2.570 G	2.571 G	30.00 k	2.570018 G	-33.10	-23.10
2.571 G	2.575 G	1.00 M	2.571028 G	-30.10	-20.10
2.575 G	2.595 G	1.00 M	2.586380 G	-29.66	-16.66
2.595 G	2.598 G	1.00 M	2.597299 G	-38.88	-13.88

Date: 6.MAR.2016 02:27:14

Highest channel

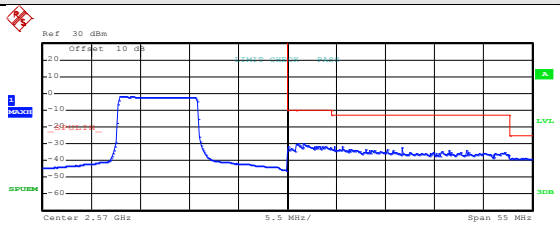
Test Mode:	LTE band 7(16QAM RB Size 50& RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.490290 G	-36.27	-11.27
2.490 G	2.496 G	1.00 M	2.495532 G	-22.07	-9.07
2.496 G	2.499 G	1.00 M	2.498109 G	-19.33	-9.33
2.499 G	2.500 G	300.00 k	2.499969 G	-23.60	-13.60
2.500 G	2.523 G	100.00 k	2.508891 G	-0.97	-33.97

Date: 5.MAR.2016 23:42:43

Lowest channel

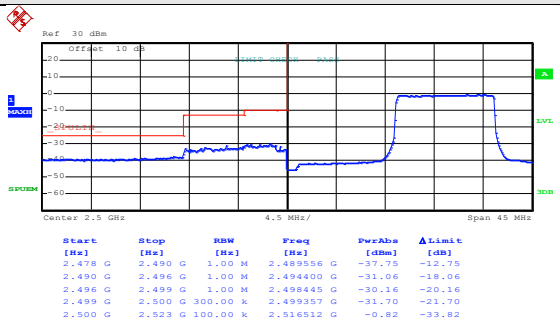


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.543 G	2.570 G	100.00 k	2.551593 G	-2.02	-35.02
2.570 G	2.571 G	300.00 k	2.570060 G	-31.97	-21.97
2.571 G	2.575 G	1.00 M	2.571752 G	-29.98	-19.98
2.575 G	2.595 G	1.00 M	2.576180 G	-31.84	-18.84
2.595 G	2.598 G	1.00 M	2.595601 G	-38.85	-13.85

Date: 6.MAR.2016 02:28:22

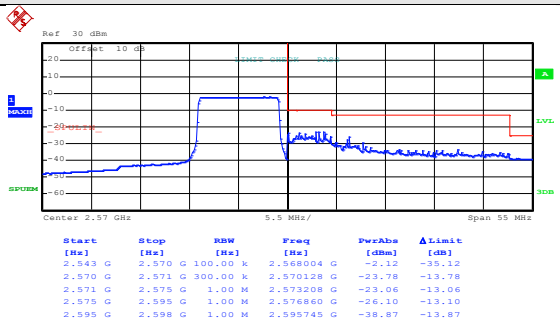
Highest channel

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



Date: 5.MAR.2016 23:42:58

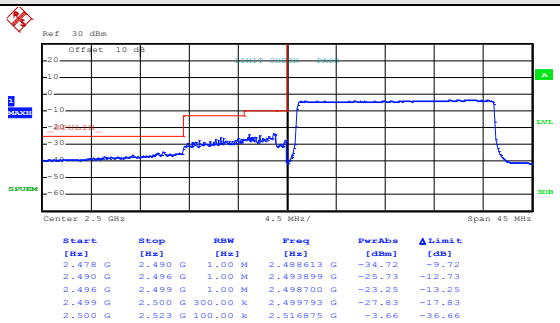
Lowest channel



Date: 6.MAR.2016 02:28:36

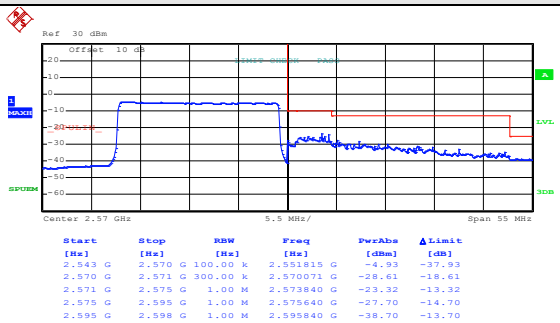
Highest channel

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



Date: 5.MAR.2016 23:44:09

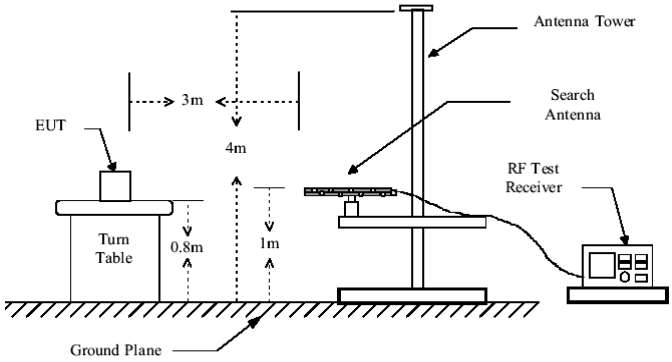
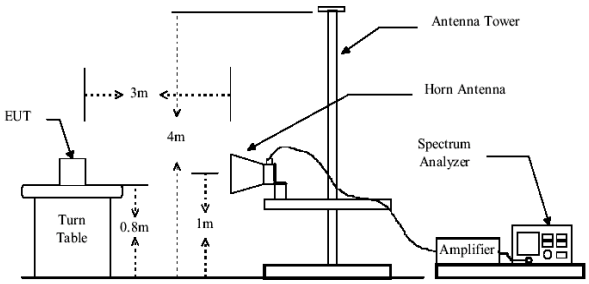
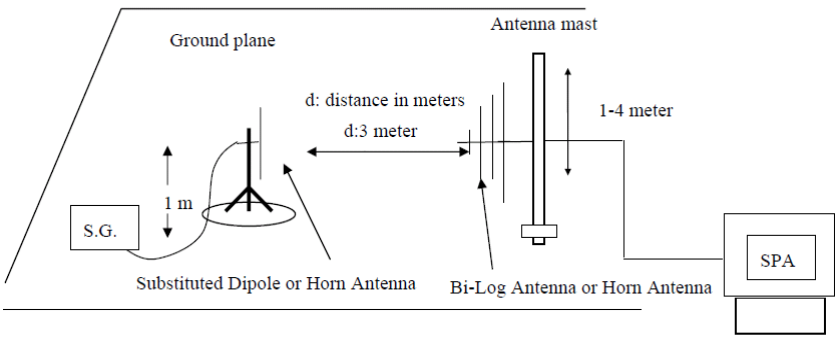
Lowest channel



Date: 6.MAR.2016 02:29:20

Highest channel

6.10 ERP, EIRP Measurement

Test Requirement:	FCC part 24.232 (c), part 27.50(d), part 27.50(h)
Test Method:	FCC part2.1046
Limit:	LTE Band 2: 2W EIRP LTE Band 4: 1W EIRP LTE Band 7: 2W EIRP
Test setup:	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	19.68	33.00	Pass
					H	18.02		
1850.70	18607	16QAM	1.4	H	V	20.35		
					H	18.15		
1.4MHz(RB size 3 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	21.41	33.00	Pass
					H	18.57		
1850.70	18607	16QAM	1.4	H	V	22.31		
					H	23.05		
1.4MHz(RB size 6 & RB offset 0)								
1850.70	18607	QPSK	1.4	H	V	18.02	33.00	Pass
					H	23.25		
1850.70	18607	16QAM	1.4	H	V	18.15		
					H	20.35		

Middle channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	20.92	33.00	Pass
					H	17.16		
1880.00	18900	16QAM	1.4	H	V	21.13		
					H	16.62		
1.4MHz(RB size 3 & RB offset 0)								
1880.00	18900	QPSK	1.4	H	V	20.77	33.00	Pass
					H	17.17		
1880.00	18900	16QAM	1.4	H	V	21.40		
					H	22.38		
1.4MHz(RB size 6 & RB offset 0)								
1880.00	18900	QPSK	1.40	H	V	17.82	33.00	Pass
					H	22.54		
1880.00	18900	16QAM	1.40	H	V	17.90		
					H	20.61		

Highest channel

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
1.4MHz(RB size 1 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	20.84	33.00	Pass
					H	18.03		
1909.30	19193	16QAM	1.4	H	V	21.25		
					H	17.71		
1.4MHz(RB size 3 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	21.11	33.00	Pass
					H	18.03		
1909.30	19193	16QAM	1.4	H	V	22.52		
					H	23.36		
1.4MHz(RB size 6 & RB offset 0)								
1909.30	19193	QPSK	1.4	H	V	18.04	33.00	Pass
					H	23.51		
1909.30	19193	16QAM	1.4	H	V	18.05		
					H	21.16		

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	19.47	33.00	Pass
					H	24.26		
1860.00	18700	16QAM	20	H	V	19.59		
					H	25.03		
20MHz(RB size 50 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	16.28	33.00	Pass
					H	23.31		
1860.00	18700	16QAM	20	H	V	17.71		
					H	23.69		
20MHz(RB size 100 & RB offset 0)								
1860.00	18700	QPSK	20	H	V	19.15	33.00	Pass
					H	22.03		
1860.00	18700	16QAM	20	H	V	20.18		
					H	23.36		

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	19.56	33.00	Pass
					H	25.27		
1880.00	18900	16QAM	20	H	V	19.70		
					H	25.12		
20MHz(RB size 50 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	16.10	33.00	Pass
					H	22.89		
1880.00	18900	16QAM	20	H	V	18.05		
					H	20.51		
20MHz(RB size 100 & RB offset 0)								
1880.00	18900	QPSK	20	H	V	19.05	33.00	Pass
					H	21.51		
1880.00	18900	16QAM	20	H	V	19.05		
					H	21.51		

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	19.61	33.00	Pass
					H	25.34		
1900.00	19100	16QAM	20	H	V	19.82		
					H	25.37		
20MHz(RB size 50 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	16.24	33.00	Pass
					H	23.03		
1900.00	19100	16QAM	20	H	V	17.78		
					H	21.15		
20MHz(RB size 100 & RB offset 0)								
1900.00	19100	QPSK	20	H	V	19.41	33.00	Pass
					H	21.35		
1900.00	19100	16QAM	20	H	V	19.62		
					H	21.47		

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	20.08	30.00	Pass
					H	27.23		
1710.70	19957	16QAM	1.4	H	V	21.07		
					H	18.67		
1.4MHz(RB size 3 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	19.96	30.00	Pass
					H	26.65		
1710.70	19957	16QAM	1.4	H	V	19.75		
					H	27.78		
1.4MHz(RB size 6 & RB offset 0)								
1710.70	19957	QPSK	1.4	H	V	19.96	30.00	Pass
					H	26.68		
1710.70	19957	16QAM	1.4	H	V	18.32		
					H	26.04		

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	21.11	30.00	Pass
					H	27.35		
1732.50	20175	16QAM	1.4	H	V	20.45		
					H	18.73		
1.4MHz(RB size 3 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	20.81	30.00	Pass
					H	27.16		
1732.50	20175	16QAM	1.4	H	V	20.43		
					H	27.56		
1.4MHz(RB size 6 & RB offset 0)								
1732.50	20175	QPSK	1.4	H	V	20.71	30.00	Pass
					H	27.01		
1732.50	20175	16QAM	1.4	H	V	18.42		
					H	26.17		

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	21.27	30.00	Pass
					H	28.62		
1754.30	20393	16QAM	1.4	H	V	21.14		
					H	19.03		
1.4MHz(RB size 3 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	21.35	30.00	Pass
					H	28.02		
1754.30	20393	16QAM	1.4	H	V	21.13		
					H	28.03		
1.4MHz(RB size 6 & RB offset 0)								
1754.30	20393	QPSK	1.4	H	V	21.17	30.00	Pass
					H	28.06		
1754.30	20393	16QAM	1.4	H	V	19.92		
					H	26.37		

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	22.36	30.00	Pass
					H	26.63		
1720.00	20050	16QAM	20	H	V	23.41		
					H	25.58		
20MHz(RB size 50 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	24.01	30.00	Pass
					H	25.61		
1720.00	20050	16QAM	20	H	V	23.39		
					H	25.74		
20MHz(RB size 100 & RB offset 0)								
1720.00	20050	QPSK	20	H	V	22.41	30.00	Pass
					H	23.91		
1720.00	20050	16QAM	20	H	V	23.71		
					H	24.05		

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	20.46	30.00	Pass
					H	27.64		
1732.50	20175	16QAM	20	H	V	20.19		
					H	27.27		
20MHz(RB size 50 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	23.32	30.00	Pass
					H	24.54		
1732.50	20175	16QAM	20	H	V	22.48		
					H	25.61		
20MHz(RB size 100 & RB offset 0)								
1732.50	20175	QPSK	20	H	V	22.38	30.00	Pass
					H	23.81		
1732.50	20175	16QAM	20	H	V	23.04		
					H	24.47		

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	21.39	30.00	Pass
					H	26.67		
1745.00	20300	16QAM	20	H	V	22.58		
					H	27.06		
20MHz(RB size 50 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	23.15	30.00	Pass
					H	25.57		
1745.00	20300	16QAM	20	H	V	23.54		
					H	26.37		
20MHz(RB size 100 & RB offset 0)								
1745.00	20300	QPSK	20	H	V	22.71	30.00	Pass
					H	24.48		
1745.00	20300	16QAM	20	H	V	23.39		
					H	25.01		

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	14.56	33.00	Pass
					H	16.75		
2502.50	20775	16QAM	5	H	V	16.69		
					H	18.57		
5MHz(RB size 12 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	15.01	33.00	Pass
					H	18.62		
2502.50	20775	16QAM	5	H	V	14.52		
					H	18.47		
5MHz(RB size 25 & RB offset 0)								
2502.50	20775	QPSK	5	H	V	14.51	33.00	Pass
					H	19.62		
2502.50	20775	16QAM	5	H	V	15.75		
					H	18.68		

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	14.20	33.00	Pass
					H	16.89		
2535.00	21100	16QAM	5	H	V	17.26		
					H	19.26		
5MHz(RB size 12 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	14.86	33.00	Pass
					H	18.70		
2535.00	21100	16QAM	5	H	V	14.82		
					H	18.79		
5MHz(RB size 25 & RB offset 0)								
2535.00	21100	QPSK	5	H	V	14.58	33.00	Pass
					H	19.41		
2535.00	21100	16QAM	5	H	V	15.23		
					H	19.04		

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	14.36	33.00	Pass
					H	17.01		
2567.50	21425	16QAM	5	H	V	17.35		
					H	19.14		
5MHz(RB size 12 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	14.03	33.00	Pass
					H	17.96		
2567.50	21425	16QAM	5	H	V	14.27		
					H	17.68		
5MHz(RB size 25 & RB offset 0)								
2567.50	21425	QPSK	5	H	V	14.69	33.00	Pass
					H	19.25		
2567.50	21425	16QAM	5	H	V	14.27		
					H	18.32		

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	14.03	33.00	Pass
					H	18.57		
2510.00	20850	16QAM	20	H	V	14.03		
					H	18.41		
20MHz(RB size 50 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	13.69	33.00	Pass
					H	17.24		
2510.00	20850	16QAM	20	H	V	14.16		
					H	19.26		
20MHz(RB size 100 & RB offset 0)								
2510.00	20850	QPSK	20	H	V	12.03	33.00	Pass
					H	18.30		
2510.00	20850	16QAM	20	H	V	14.42		
					H	18.28		

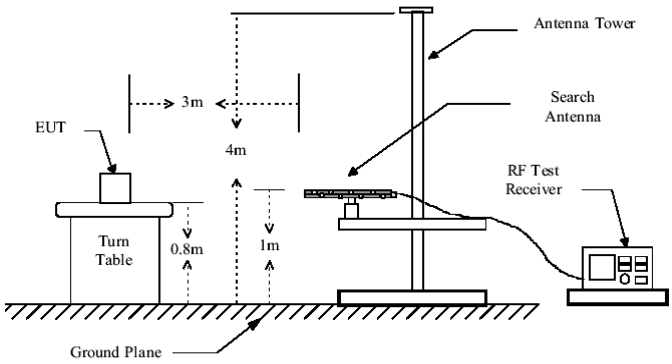
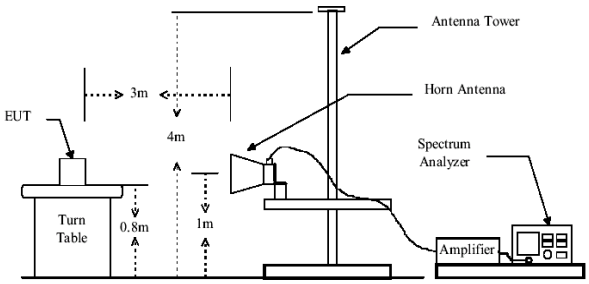
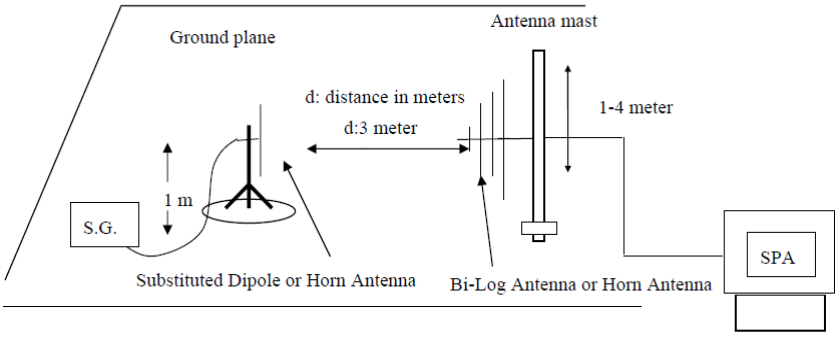
Middle channel

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	13.66	33.00	Pass
					H	18.79		
2535.00	21100	16QAM	20	H	V	14.82		
					H	18.79		
20MHz(RB size 50 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	13.34	33.00	Pass
					H	17.19		
2535.00	21100	16QAM	20	H	V	13.75		
					H	19.14		
20MHz(RB size 100 & RB offset 0)								
2535.00	21100	QPSK	20	H	V	11.54	33.00	Pass
					H	17.29		
2535.00	21100	16QAM	20	H	V	13.07		
					H	17.69		

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	13.54	33.00	Pass
					H	18.66		
2560.00	21350	16QAM	20	H	V	15.07		
					H	18.15		
20MHz(RB size 50 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	14.02	33.00	Pass
					H	18.11		
2560.00	21350	16QAM	20	H	V	14.26		
					H	19.27		
20MHz(RB size 100 & RB offset 0)								
2560.00	21350	QPSK	20	H	V	11.74	33.00	Pass
					H	18.15		
2560.00	21350	16QAM	20	H	V	14.03		
					H	18.11		

6.11 Field strength of spurious radiation measurement

Test Requirement:	FCC Part 24.238 (a), part 27.53(m), part 27.53(h)
Test Method:	FCC part2.1053
Limit:	LTE Band 2, LTE Band 4 : -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	-49.91	-13.00	Pass
5552.10	V	-30.40		
7402.00	V	-35.98		
3701.40	Horizontal	-49.32		
5552.10	H	-38.12		
7402.00	H	-37.42		
Middle				
3760.00	Vertical	-47.66	-13.00	Pass
5640.00	V	-28.68		
7520.00	V	-40.20		
3760.00	Horizontal	-50.36		
5640.00	H	-37.26		
7520.00	H	-38.44		
Highest				
3816.60	Vertical	-45.87	-13.00	Pass
5724.90	V	-31.51		
7633.20	V	-40.51		
3816.60	Horizontal	-49.26		
5724.90	H	-40.65		
7633.20	H	-40.68		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3703.00	Vertical	-47.85	-13.00	Pass
5554.50	V	-32.26		
7406.00	V	-36.01		
3703.00	Horizontal	-46.58		
5554.50	H	-37.18		
7406.00	H	-38.62		
Middle				
3760.00	Vertical	-47.69	-13.00	Pass
5640.00	V	-30.02		
7520.00	V	-38.62		
3760.00	Horizontal	-47.02		
5640.00	H	-40.02		
7520.00	H	-39.15		
Highest				
3817.00	Vertical	-47.56	-13.00	Pass
5725.50	V	-34.12		
7634.00	V	-39.97		
3817.00	Horizontal	-48.78		
5725.50	H	-39.01		
7634.00	H	-39.61		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3705.00	Vertical	-48.28	-13.00	Pass
5557.50	V	-31.39		
7410.00	V	-38.03		
3705.00	Horizontal	-47.39		
5557.50	H	-36.52		
7410.00	H	-37.03		
Middle				
3760.00	Vertical	-49.50	-13.00	Pass
5640.00	V	-27.75		
7520.00	V	-41.46		
3760.00	Horizontal	-50.15		
5640.00	H	-35.40		
7520.00	H	-39.16		
Highest				
3815.00	Vertical	-50.10	-13.00	Pass
5722.50	V	-32.08		
7630.00	V	-40.67		
3815.00	Horizontal	-49.91		
5722.50	H	-40.18		
7630.00	H	-40.42		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3710.00	Vertical	-47.56	-13.00	Pass
5565.00	V	-31.25		
7420.00	V	-37.02		
3710.00	Horizontal	-46.69		
5565.00	H	-37.74		
7420.00	H	-39.95		
Middle				
3760.00	Vertical	-48.87	-13.00	Pass
5640.00	V	-29.54		
7520.00	V	-39.87		
3760.00	Horizontal	-48.32		
5640.00	H	-39.15		
7520.00	H	-40.03		
Highest				
3810.00	Vertical	-49.66	-13.00	Pass
5715.00	V	-33.74		
7620.00	V	-40.01		
3810.00	Horizontal	-49.25		
5715.00	H	-38.11		
7620.00	H	-40.28		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3715.00	Vertical	-47.75	-13.00	Pass
5572.50	V	-32.02		
7430.00	V	-39.71		
3715.00	Horizontal	-48.25		
5572.50	H	-37.14		
7430.00	H	-38.02		
Middle				
3760.00	Vertical	-48.15	-13.00	Pass
5640.00	V	-28.92		
7520.00	V	-40.25		
3760.00	Horizontal	-50.21		
5640.00	H	-36.62		
7520.00	H	-40.02		
Highest				
3805.00	Vertical	-49.51	-13.00	Pass
5707.50	V	-32.02		
7610.00	V	-39.98		
3805.00	Horizontal	-48.75		
5707.50	H	-41.25		
7610.00	H	-40.81		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3720.00	Vertical	-48.21	-13.00	Pass
5580.00	V	-29.00		
7440.00	V	-36.97		
3720.00	Horizontal	-47.46		
5580.00	H	-38.77		
7440.00	H	-40.04		
Middle				
3760.00	Vertical	-49.75	-13.00	Pass
5640.00	V	-30.41		
7520.00	V	-40.96		
3760.00	Horizontal	-49.62		
5640.00	H	-38.09		
7520.00	H	-39.93		
Highest				
3800.00	Vertical	-49.05	-13.00	Pass
5700.00	V	-32.74		
7600.00	V	-39.13		
3800.00	Horizontal	-48.23		
5700.00	H	-39.02		
7600.00	H	-39.83		

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	-49.48	-13.00	Pass
5132.10	V	-38.58		
6842.80	V	-38.52		
3421.40	Horizontal	-48.72		
5132.10	H	-44.99		
6842.80	H	-44.80		
Middle				
3465.00	Vertical	-47.17	-13.00	Pass
5197.50	V	-37.94		
6930.00	V	-35.71		
3465.00	Horizontal	-48.62		
5197.50	H	-42.06		
6930.00	H	-38.14		
Highest				
3508.60	Vertical	-49.61	-13.00	Pass
5262.90	V	-34.70		
7017.20	V	-37.34		
3508.60	Horizontal	-50.25		
5262.90	H	-43.67		
7017.20	H	-40.53		

3MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3423.00	Vertical	-42.51	-13.00	Pass
5134.50	V	-34.16		
6846.00	V	-36.62		
3423.00	Horizontal	-49.85		
5134.50	H	-42.27		
6846.00	H	-41.18		
Middle				
3465.00	Vertical	-49.25	-13.00	Pass
5197.50	V	-44.17		
6930.00	V	-40.03		
3465.00	Horizontal	-49.95		
5197.50	H	-46.63		
6930.00	H	-41.15		
Highest				
3507.00	Vertical	-49.71	-13.00	Pass
5260.50	V	-41.15		
7014.00	V	-37.30		
3507.00	Horizontal	-48.81		
5260.50	H	-44.03		
7014.00	H	-44.17		

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3425.00	Vertical	-48.74	-13.00	Pass
5137.50	V	-38.07		
6850.00	V	-40.02		
3425.00	Horizontal	-49.55		
5137.50	H	-43.15		
6850.00	H	-42.29		
Middle				
3465.00	Vertical	-49.17	-13.00	Pass
5197.50	V	-40.87		
6930.00	V	-38.33		
3465.00	Horizontal	-48.44		
5197.50	H	-40.81		
6930.00	H	-41.47		
Highest				
3505.00	Vertical	-47.99	-13.00	Pass
5257.50	V	-37.20		
7010.00	V	-37.53		
3505.00	Horizontal	-48.90		
5257.50	H	-41.95		
7010.00	H	-41.19		

10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3430.00	Vertical	-43.28	-13.00	Pass
5145.00	V	-33.38		
6860.00	V	-35.01		
3430.00	Horizontal	-48.75		
5145.00	H	-41.16		
6860.00	H	-42.03		
Middle				
3465.00	Vertical	-49.01	-13.00	Pass
5197.50	V	-43.13		
6930.00	V	-39.79		
3465.00	Horizontal	-48.81		
5197.50	H	-45.02		
6930.00	H	-42.31		
Highest				
3500.00	Vertical	-48.71	-13.00	Pass
5250.00	V	-40.01		
7000.00	V	-36.62		
3500.00	Horizontal	-49.36		
5250.00	H	-43.32		
7000.00	H	-43.71		

15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3435.00	Vertical	-49.26	-13.00	Pass
5152.50	V	-39.15		
6870.00	V	-41.17		
3435.00	Horizontal	-49.25		
5152.50	H	-44.07		
6870.00	H	-43.31		
Middle				
3465.00	Vertical	-48.85	-13.00	Pass
5197.50	V	-41.11		
6930.00	V	-39.62		
3465.00	Horizontal	-49.02		
5197.50	H	-41.17		
6930.00	H	-42.25		
Highest				
3495.00	Vertical	-48.85	-13.00	Pass
5242.50	V	-38.62		
6990.00	V	-38.04		
3495.00	Horizontal	-49.85		
5242.50	H	-42.35		
6990.00	H	-42.17		

20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
3440.00	Vertical	-44.09	-13.00	Pass
5160.00	V	-34.68		
6880.00	V	-34.94		
3440.00	Horizontal	-49.68		
5160.00	H	-42.37		
6880.00	H	-41.57		
Middle				
3465.00	Vertical	-49.22	-13.00	Pass
5197.50	V	-42.72		
6930.00	V	-40.04		
3465.00	Horizontal	-49.40		
5197.50	H	-44.59		
6930.00	H	-41.34		
Highest				
3490.00	Vertical	-49.15	-13.00	Pass
5235.00	V	-39.56		
6980.00	V	-35.83		
3490.00	Horizontal	-48.93		
5235.00	H	-42.66		
6980.00	H	-42.75		

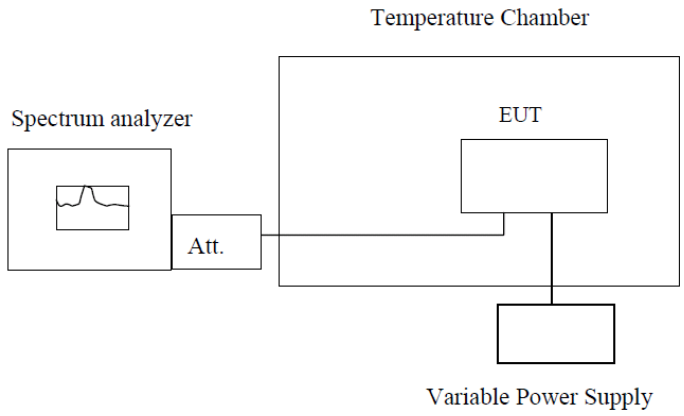
LTE Band 7 Part:

5MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5005.00	Vertical	-42.19	-25.00	Pass
7507.50	V	-36.55		
10010.00	V	-30.55		
5005.00	Horizontal	-42.55		
7507.50	H	-38.68		
10010.00	H	-38.42		
Middle				
5070.00	Vertical	-45.59	-25.00	Pass
7605.00	V	-40.99		
10140.00	V	-31.17		
5070.00	Horizontal	-44.37		
7605.00	H	-39.56		
10140.00	H	-32.43		
Highest				
5135.00	Vertical	-43.20	-25.00	Pass
7702.50	V	-38.54		
10270.00	V	-28.99		
5135.00	Horizontal	-44.16		
7702.50	H	-39.20		
10270.00	H	-31.52		
10MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5010.00	Vertical	-44.15	-25.00	Pass
7515.00	V	-40.02		
10020.00	V	-30.25		
5010.00	Horizontal	-45.58		
7515.00	H	-39.92		
10020.00	H	-33.47		
Middle				
5070.00	Vertical	-43.32	-25.00	Pass
7605.00	V	-40.15		
10140.00	V	-30.25		
5070.00	Horizontal	-45.58		
7605.00	H	-38.62		
10140.00	H	-38.74		

Highest				
5130.00	Vertical	-38.02	-25.00	Pass
7695.00	V	-42.26		
10260.00	V	-40.01		
5130.00	Horizontal	-41.25		
7695.00	H	-40.08		
10260.00	H	-40.71		
15MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5015.00	Vertical	-41.25	-25.00	Pass
7522.50	V	-36.58		
10030.00	V	-30.74		
5015.00	Horizontal	-43.03		
7522.50	H	-39.64		
10030.00	H	-39.11		
Middle				
5070.00	Vertical	-46.25	-25.00	Pass
7605.00	V	-41.12		
10140.00	V	-32.02		
5070.00	Horizontal	-45.58		
7605.00	H	-40.25		
10140.00	H	-33.62		
Highest				
5125.00	Vertical	-44.01	-25.00	Pass
7687.50	V	-39.62		
10250.00	V	-29.71		
5125.00	Horizontal	-44.18		
7687.50	H	-39.25		
10250.00	H	-32.84		
20MHz(RB size 1 & RB offset 0) for QPSK				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest				
5020.00	Vertical	-43.89	-25.00	Pass
7530.00	V	-39.21		
10040.00	V	-29.59		
5020.00	Horizontal	-44.94		
7530.00	H	-38.58		
10040.00	H	-32.53		

Middle				
5070.00	Vertical	-42.83	-25.00	Pass
7605.00	V	-39.16		
10140.00	V	-29.20		
5070.00	Horizontal	-44.17		
7605.00	H	-37.76		
10140.00	H	-37.62		
Highest				
5120.00	Vertical	-37.48	-25.00	Pass
7680.00	V	-41.27		
10240.00	V	-39.97		
5120.00	Horizontal	-40.24		
7680.00	H	-39.49		
10240.00	H	-41.20		

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	163	0.086702	±2.5	Pass
	-20	124	0.065957		
	-10	105	0.055851		
	0	125	0.066489		
	10	133	0.070745		
	20	135	0.071809		
	30	140	0.074468		
	40	156	0.082979		
	50	159	0.084574		
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	167	0.088830	±2.5	Pass
	-20	145	0.077128		
	-10	125	0.066489		
	0	126	0.067021		
	10	136	0.072340		
	20	138	0.073404		
	30	149	0.079255		
	40	152	0.080851		
	50	155	0.082447		
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	178	0.094681	±2.5	Pass
	-20	163	0.086702		
	-10	122	0.064894		
	0	155	0.082447		
	10	145	0.077128		
	20	123	0.065426		
	30	129	0.068617		
	40	136	0.072340		
	50	158	0.084043		

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	193	0.102660	±2.5	Pass
	-20	152	0.080851		
	-10	145	0.077128		
	0	124	0.065957		
	10	159	0.084574		
	20	163	0.086702		
	30	164	0.087234		
	40	174	0.092553		
	50	144	0.076596		
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	163	0.086702	±2.5	Pass
	-20	125	0.066489		
	-10	145	0.077128		
	0	122	0.064894		
	10	108	0.057447		
	20	147	0.078191		
	30	149	0.079255		
	40	158	0.084043		
	50	136	0.072340		
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	174	0.092553	±2.5	Pass
	-20	155	0.082447		
	-10	136	0.072340		
	0	134	0.071277		
	10	147	0.078191		
	20	156	0.082979		
	30	152	0.080851		
	40	105	0.055851		
	50	124	0.065957		

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	166	0.088298	±2.5	Pass
	-20	125	0.066489		
	-10	152	0.080851		
	0	140	0.074468		
	10	104	0.055319		
	20	125	0.066489		
	30	126	0.067021		
	40	136	0.072340		
	50	150	0.079787		
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	177	0.094149	±2.5	Pass
	-20	126	0.067021		
	-10	135	0.071809		
	0	156	0.082979		
	10	148	0.078723		
	20	150	0.079787		
	30	126	0.067021		
	40	136	0.072340		
	50	169	0.089894		
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	124	0.065957		
	-10	126	0.067021		
	0	133	0.070745		
	10	130	0.069149		
	20	146	0.077660		
	30	150	0.079787		
	40	147	0.078191		
	50	126	0.067021		

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	170	0.090426	±2.5	Pass
	-20	125	0.066489		
	-10	146	0.077660		
	0	149	0.079255		
	10	163	0.086702		
	20	160	0.085106		
	30	165	0.087766		
	40	166	0.088298		
	50	128	0.068085		
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	149	0.079255	±2.5	Pass
	-20	126	0.067021		
	-10	123	0.065426		
	0	130	0.069149		
	10	122	0.064894		
	20	145	0.077128		
	30	140	0.074468		
	40	133	0.070745		
	50	135	0.071809		
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	156	0.082979	±2.5	Pass
	-20	133	0.070745		
	-10	125	0.066489		
	0	134	0.071277		
	10	120	0.063830		
	20	155	0.082447		
	30	146	0.077660		
	40	140	0.074468		
	50	107	0.056915		

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	188	0.108514	±2.5	Pass
	-20	152	0.087734		
	-10	146	0.084271		
	0	136	0.078499		
	10	163	0.094084		
	20	166	0.095815		
	30	165	0.095238		
	40	125	0.072150		
	50	142	0.081962		
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	163	0.094084	±2.5	Pass
	-20	123	0.070996		
	-10	140	0.080808		
	0	125	0.072150		
	10	106	0.061183		
	20	132	0.076190		
	30	135	0.077922		
	40	136	0.078499		
	50	145	0.083694		
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	147	0.084848	±2.5	Pass
	-20	126	0.072727		
	-10	130	0.075036		
	0	122	0.070418		
	10	125	0.072150		
	20	104	0.060029		
	30	102	0.058874		
	40	136	0.078499		
	50	133	0.076768		

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	163	0.094084	±2.5	Pass
	-20	124	0.071573		
	-10	125	0.072150		
	0	105	0.060606		
	10	124	0.071573		
	20	145	0.083694		
	30	149	0.086003		
	40	160	0.092352		
	50	159	0.091775		
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	152	0.087734	±2.5	Pass
	-20	136	0.078499		
	-10	142	0.081962		
	0	150	0.086580		
	10	136	0.078499		
	20	133	0.076768		
	30	126	0.072727		
	40	125	0.072150		
	50	150	0.086580		
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	174	0.100433	±2.5	Pass
	-20	163	0.094084		
	-10	125	0.072150		
	0	122	0.070418		
	10	136	0.078499		
	20	135	0.077922		
	30	129	0.074459		
	40	128	0.073882		
	50	154	0.088889		

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	163	0.094084	±2.5	Pass
	-20	125	0.072150		
	-10	142	0.081962		
	0	150	0.086580		
	10	148	0.085426		
	20	123	0.070996		
	30	133	0.076768		
	40	135	0.077922		
	50	137	0.079076		
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	155	0.089466	±2.5	Pass
	-20	126	0.072727		
	-10	132	0.076190		
	0	125	0.072150		
	10	124	0.071573		
	20	108	0.062338		
	30	104	0.060029		
	40	122	0.070418		
	50	116	0.066955		
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	169	0.097547	±2.5	Pass
	-20	132	0.076190		
	-10	152	0.087734		
	0	145	0.083694		
	10	102	0.058874		
	20	114	0.065801		
	30	166	0.095815		
	40	152	0.087734		
	50	159	0.091775		

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	150	0.086580	±2.5	Pass
	-20	167	0.096392		
	-10	122	0.070418		
	0	140	0.080808		
	10	160	0.092352		
	20	161	0.092929		
	30	152	0.087734		
	40	153	0.088312		
	50	142	0.081962		
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	156	0.090043	±2.5	Pass
	-20	152	0.087734		
	-10	145	0.083694		
	0	125	0.072150		
	10	133	0.076768		
	20	120	0.069264		
	30	126	0.072727		
	40	105	0.060606		
	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	136	0.078499	±2.5	Pass
	-20	134	0.077345		
	-10	120	0.069264		
	0	120	0.069264		
	10	122	0.070418		
	20	105	0.060606		
	30	131	0.075613		
	40	129	0.074459		
	50	124	0.071573		

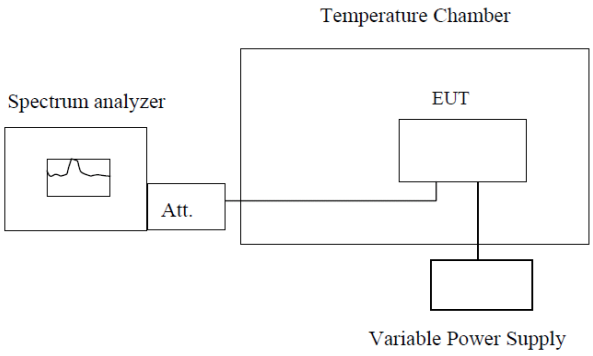
LTE Band 7(QPSK):

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	192	0.075740	±2.5	Pass
	-20	122	0.048126		
	-10	174	0.068639		
	0	163	0.064300		
	10	152	0.059961		
	20	182	0.071795		
	30	152	0.059961		
	40	145	0.057199		
	50	170	0.067061		
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	165	0.065089	±2.5	Pass
	-20	124	0.048915		
	-10	126	0.049704		
	0	136	0.053649		
	10	145	0.057199		
	20	144	0.056805		
	30	148	0.058383		
	40	157	0.061933		
	50	156	0.061538		
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	160	0.063116	±2.5	Pass
	-20	122	0.048126		
	-10	134	0.052860		
	0	133	0.052465		
	10	137	0.054043		
	20	129	0.050888		
	30	126	0.049704		
	40	104	0.041026		
	50	125	0.049310		
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	154	0.060750	±2.5	Pass
	-20	124	0.048915		
	-10	126	0.049704		
	0	136	0.053649		
	10	114	0.044970		
	20	117	0.046154		
	30	105	0.041420		
	40	106	0.041815		
	50	134	0.052860		

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	174	0.068639	±2.5	Pass
	-20	146	0.057594		
	-10	163	0.064300		
	0	152	0.059961		
	10	122	0.048126		
	20	105	0.041420		
	30	128	0.050493		
	40	136	0.053649		
	50	149	0.058777		
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	177	0.069822	±2.5	Pass
	-20	145	0.057199		
	-10	128	0.050493		
	0	136	0.053649		
	10	159	0.062722		
	20	149	0.058777		
	30	162	0.063905		
	40	160	0.063116		
	50	127	0.050099		
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	165	0.065089	2.5	Pass
	-20	124	0.048915		
	-10	135	0.053254		
	0	130	0.051282		
	10	125	0.049310		
	20	124	0.048915		
	30	126	0.049704		
	40	158	0.062327		
	50	104	0.041026		
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	170	0.067061	2.5	Pass
	-20	165	0.065089		
	-10	133	0.052465		
	0	160	0.063116		
	10	122	0.048126		
	20	104	0.041026		
	30	108	0.042604		
	40	129	0.050888		
	50	126	0.049704		

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	74	0.039362	±2.5	Pass
	3.80	96	0.051064		
	3.23	80	0.042553		
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	74	0.039362	±2.5	Pass
	3.80	88	0.046809		
	3.23	90	0.047872		
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	74	0.039362	±2.5	Pass
	3.80	63	0.033511		
	3.23	82	0.043617		
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	52	0.027660	±2.5	Pass
	3.80	46	0.024468		
	3.23	28	0.014894		
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	66	0.035106	±2.5	Pass
	3.80	71	0.037766		
	3.23	39	0.020745		
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	74	0.039362	±2.5	Pass
	3.80	89	0.047340		
	3.23	65	0.034574		

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	74	0.039362	±2.5	Pass
	3.80	70	0.037234		
	3.23	66	0.035106		
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	96	0.051064	±2.5	Pass
	3.80	63	0.033511		
	3.23	35	0.018617		
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	71	0.037766	±2.5	Pass
	3.80	58	0.030851		
	3.23	59	0.031383		
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	74	0.039362	±2.5	Pass
	3.80	49	0.026064		
	3.23	45	0.023936		
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	52	0.027660	±2.5	Pass
	3.80	80	0.042553		
	3.23	46	0.024468		
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	90	0.047872	±2.5	Pass
	3.80	74	0.039362		
	3.23	56	0.029787		

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	90	0.051948	±2.5	Pass
	3.80	47	0.027128		
	3.23	85	0.049062		
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	63	0.036364	±2.5	Pass
	3.80	74	0.042713		
	3.23	49	0.028283		
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	80	0.046176	±2.5	Pass
	3.80	90	0.051948		
	3.23	45	0.025974		
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	70	0.040404	±2.5	Pass
	3.80	56	0.032323		
	3.23	63	0.036364		
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	74	0.042713	±2.5	Pass
	3.80	59	0.034055		
	3.23	63	0.036364		
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	80	0.046176	±2.5	Pass
	3.80	59	0.034055		
	3.23	66	0.038095		

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	70	0.040404	±2.5	Pass
	3.80	49	0.028283		
	3.23	88	0.050794		
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	74	0.042713	±2.5	Pass
	3.80	96	0.055411		
	3.23	85	0.049062		
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	63	0.036364	±2.5	Pass
	3.80	58	0.033478		
	3.23	88	0.050794		
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	74	0.042713	±2.5	Pass
	3.80	63	0.036364		
	3.23	59	0.034055		
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	59	0.034055	±2.5	Pass
	3.80	63	0.036364		
	3.23	82	0.047330		
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	74	0.042713	±2.5	Pass
	3.80	59	0.034055		
	3.23	85	0.049062		

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	57	0.022485	±2.5	Pass
	3.80	46	0.018146		
	3.23	63	0.024852		
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	90	0.035503	±2.5	Pass
	3.80	52	0.020513		
	3.23	46	0.018146		
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	74	0.029191	±2.5	Pass
	3.80	77	0.030375		
	3.23	85	0.033531		
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	63	0.024852	±2.5	Pass
	3.80	49	0.019329		
	3.23	80	0.031558		

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	74	0.029191	±2.5	Pass
	3.80	89	0.035108		
	3.23	88	0.034714		
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	74	0.029191	±2.5	Pass
	3.80	75	0.029586		
	3.23	62	0.024458		
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	63	0.024852	±2.5	Pass
	3.80	90	0.035503		
	3.23	56	0.022091		
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	49	0.019329	±2.5	Pass
	3.80	85	0.033531		
	3.23	67	0.026430		

------End of report------