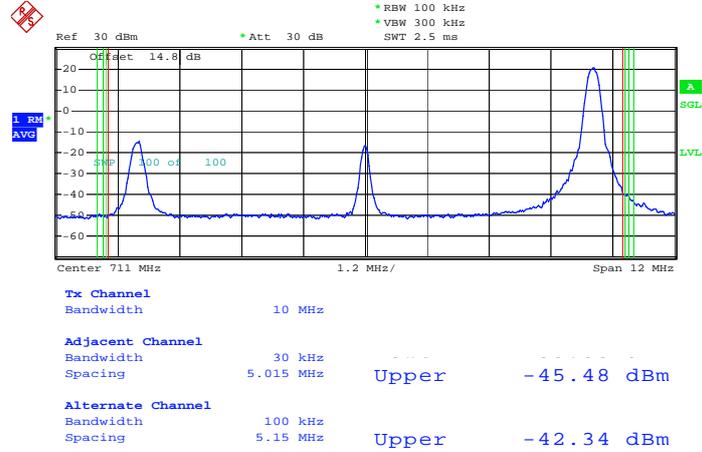


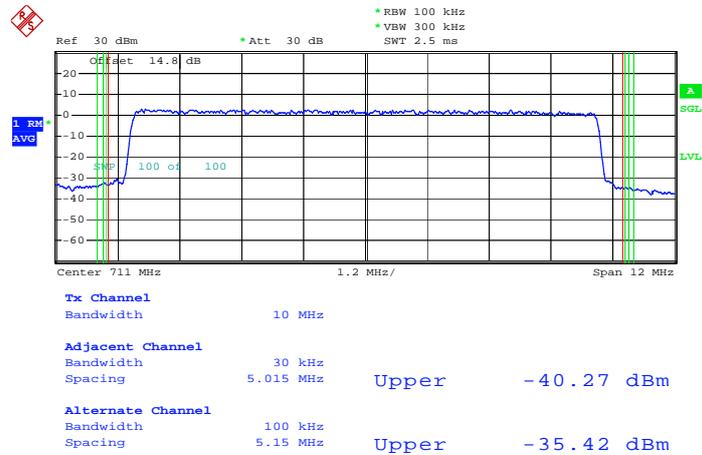


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 20.JUL.2012 19:27:37

Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

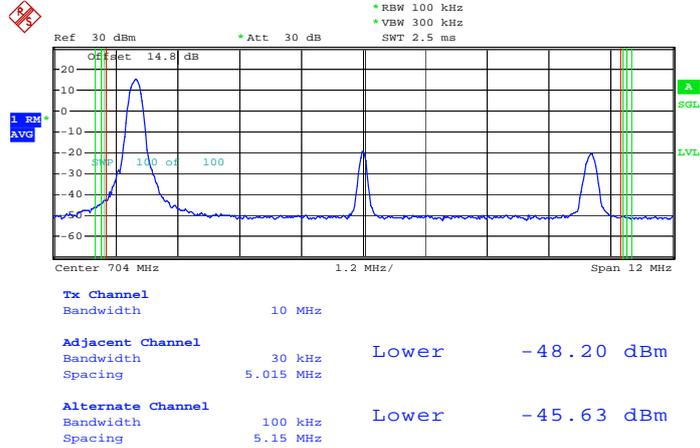


Date: 20.JUL.2012 19:26:19



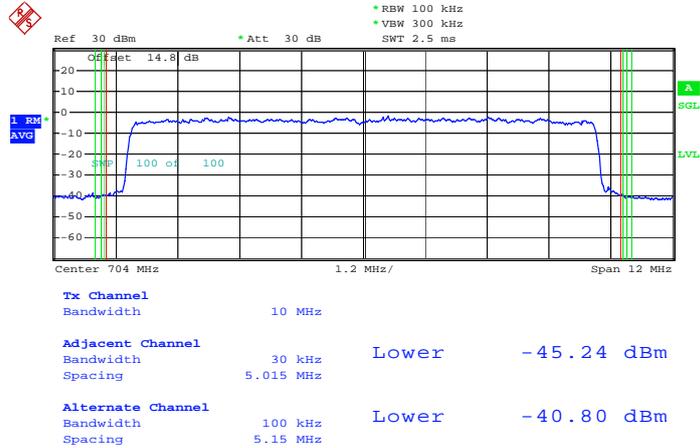
Band :	LTE Band 12	BW / Mod. :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 20.JUL.2012 19:28:43

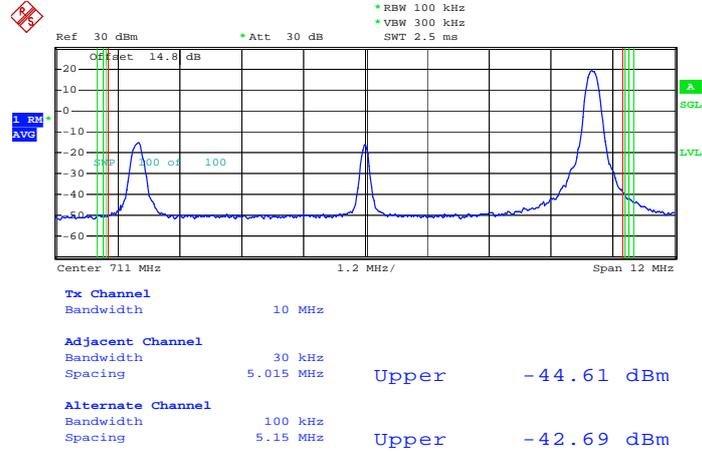
Lower Band Edge Plot for 16QAM -RB Size 50, RB Offset 0



Date: 20.JUL.2012 19:29:32

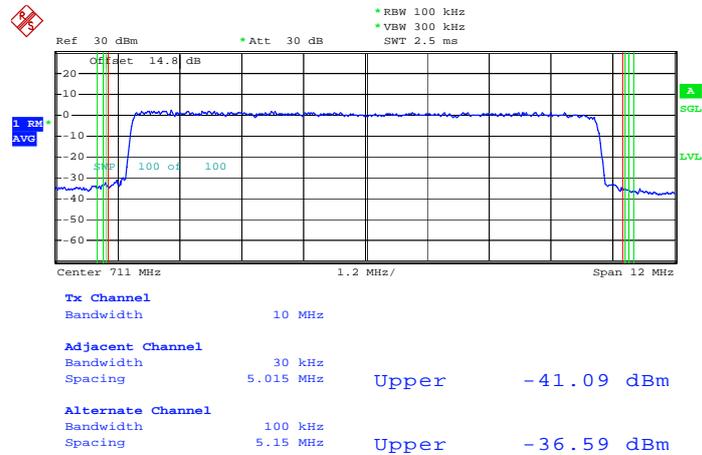


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 49



Date: 20.JUL.2012 19:27:56

Higher Band Edge Plot for 16QAM -RB Size 50, RB Offset 0

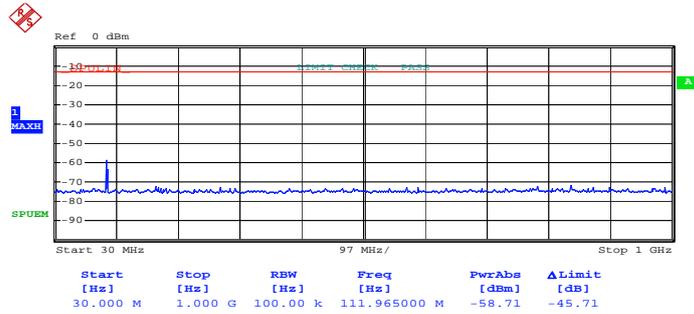


Date: 20.JUL.2012 19:26:00

3.4.6 Test Plots of Spurious Emission

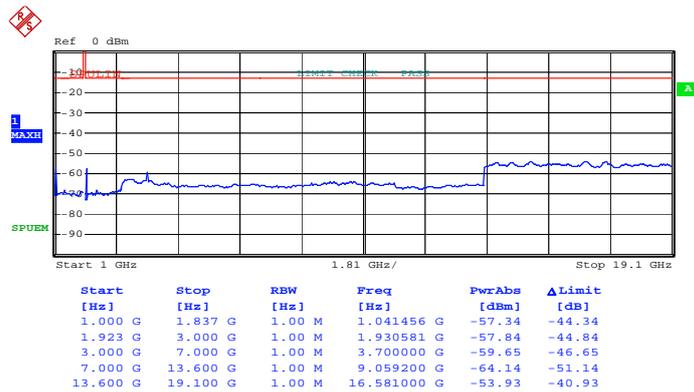
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
Frequency :	1850.7	Channel :	18607

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 13:47:39

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

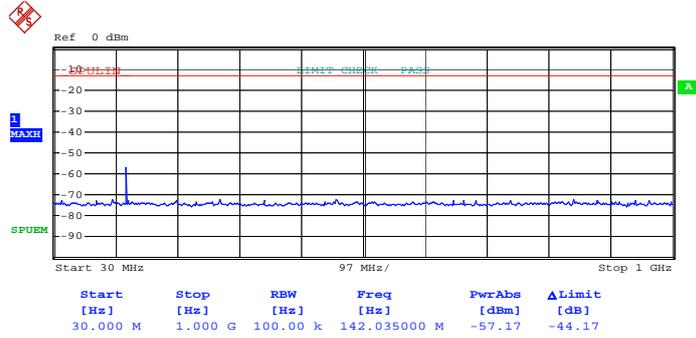


Date: 17.JUL.2012 13:39:33



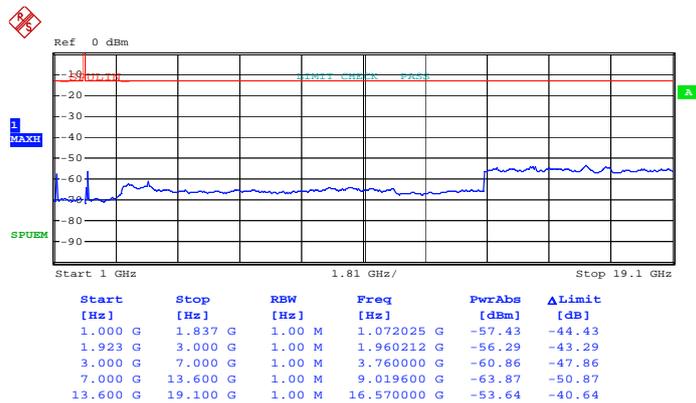
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 17.JUL.2012 11:10:25

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 5)

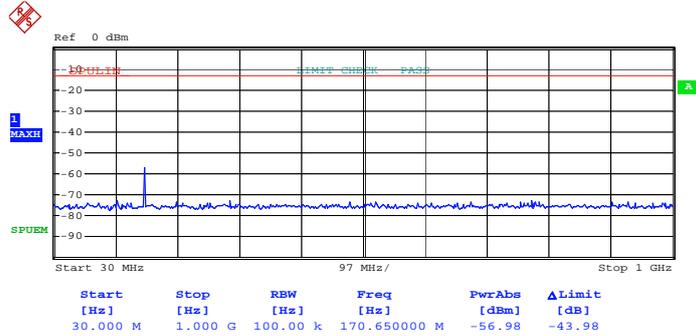


Date: 17.JUL.2012 11:11:06



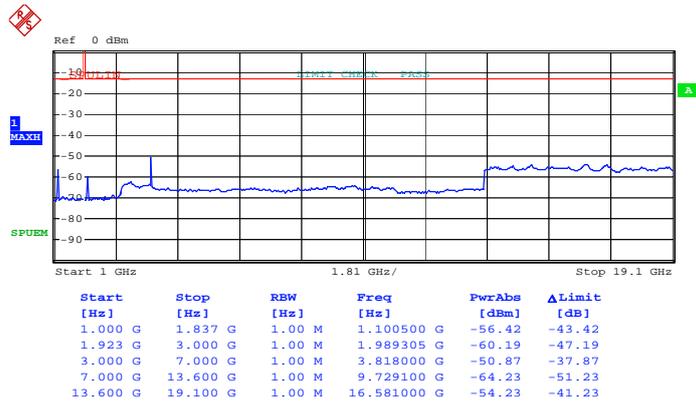
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
Frequency :	1909.3	Channel :	19193

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:24:08

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

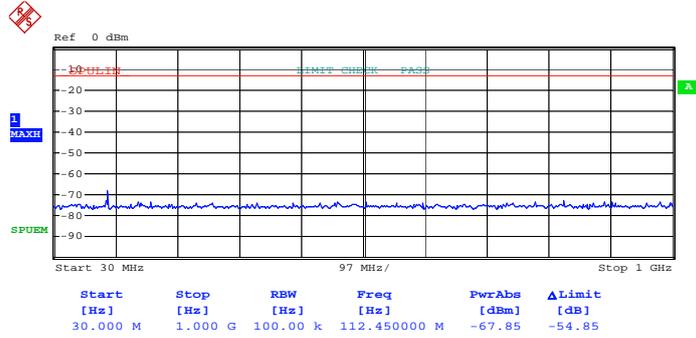


Date: 17.JUL.2012 15:26:06



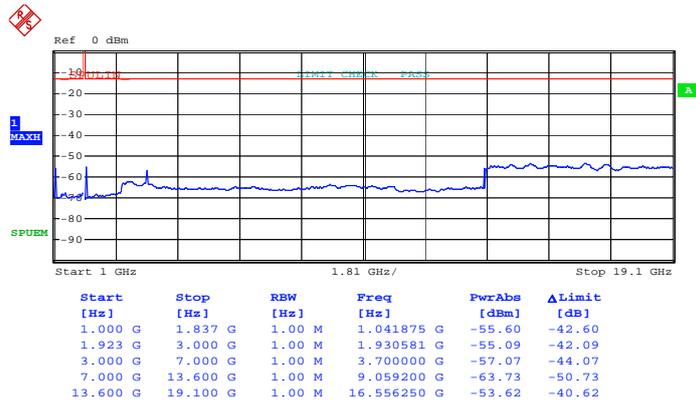
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1850.7	Channel :	18607

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 13:34:28

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

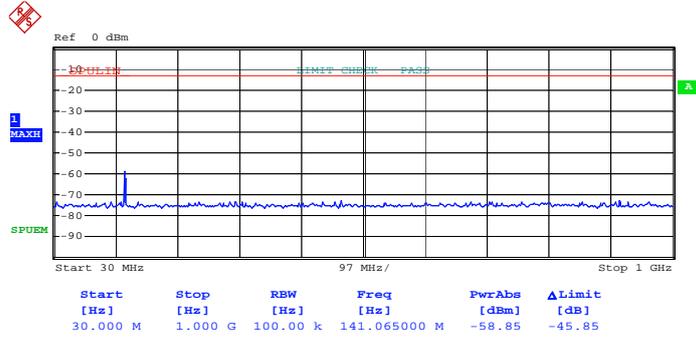


Date: 17.JUL.2012 13:38:58



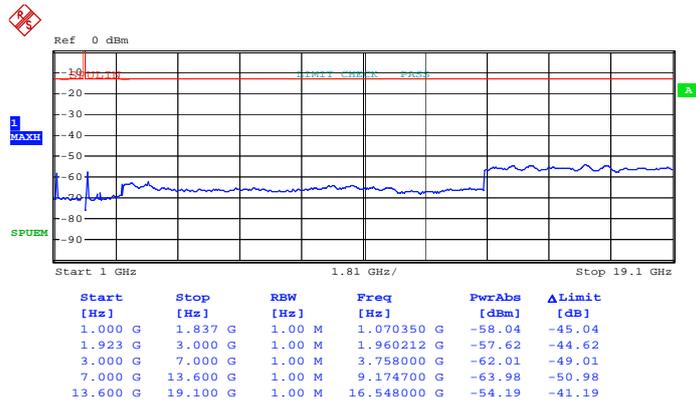
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:12:25

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

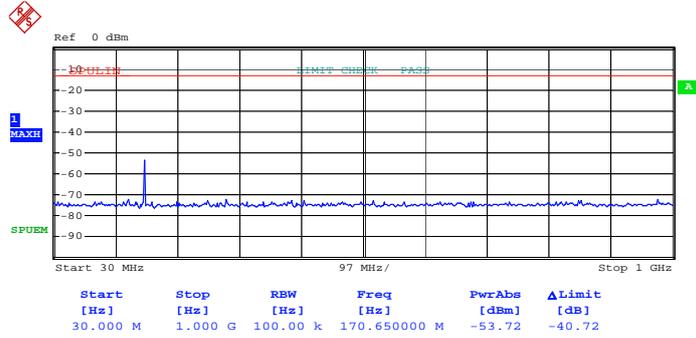


Date: 17.JUL.2012 11:11:58



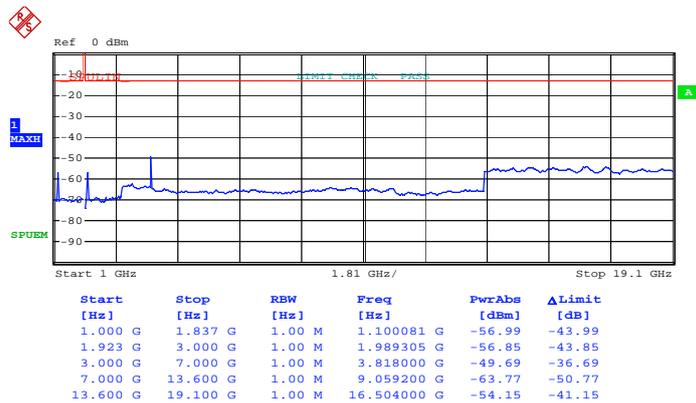
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1909.3	Channel :	19193

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:24:48

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

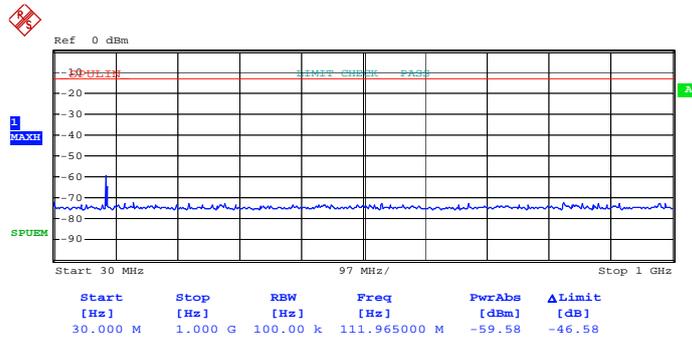


Date: 17.JUL.2012 15:25:34



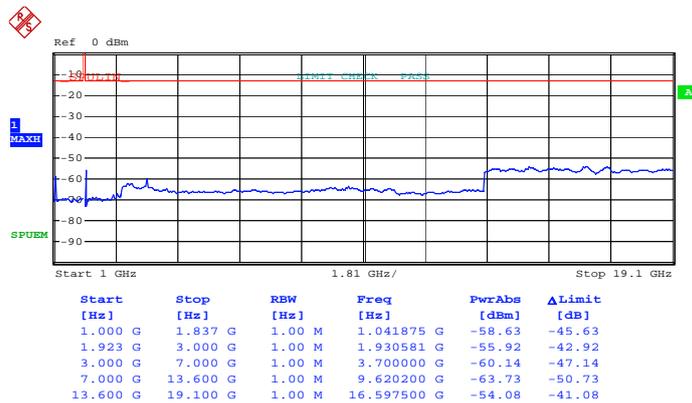
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
Frequency :	1851.5	Channel :	18615

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 13:27:11

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

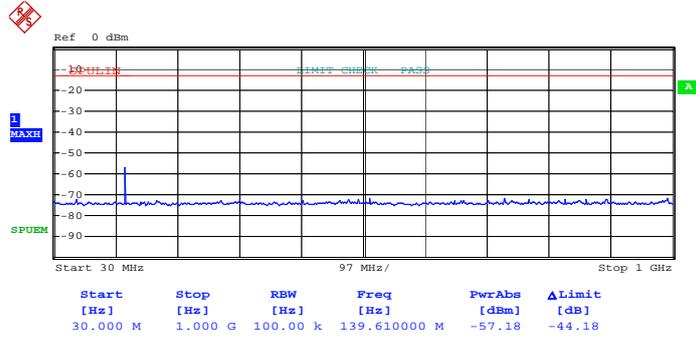


Date: 17.JUL.2012 13:27:55



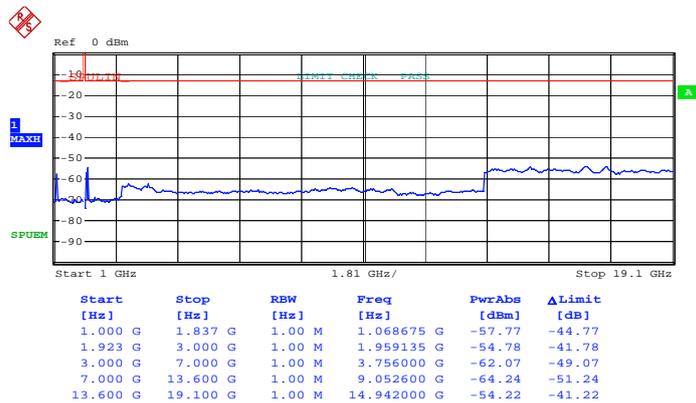
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:09:01

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

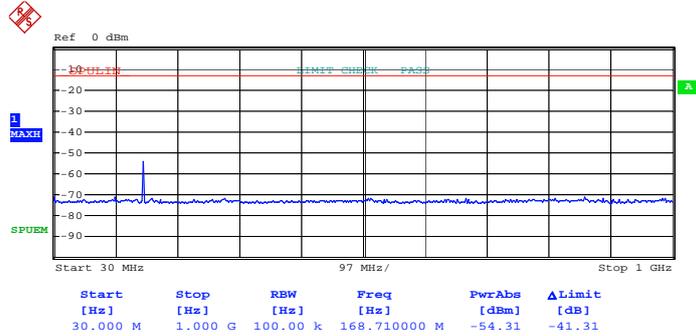


Date: 17.JUL.2012 11:07:53



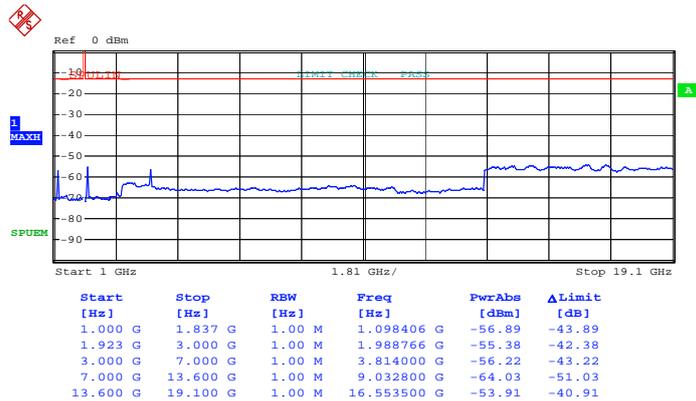
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
Frequency :	1908.5	Channel :	19185

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:23:05

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

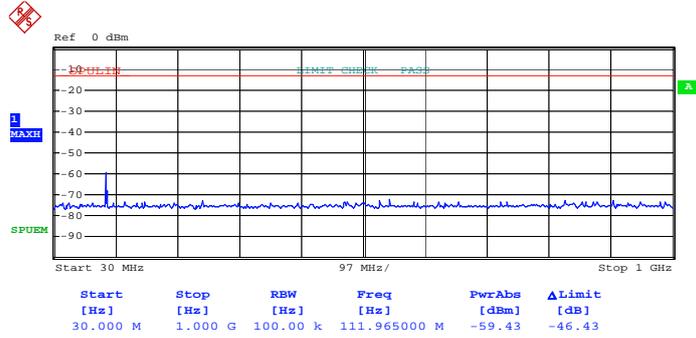


Date: 17.JUL.2012 15:04:16



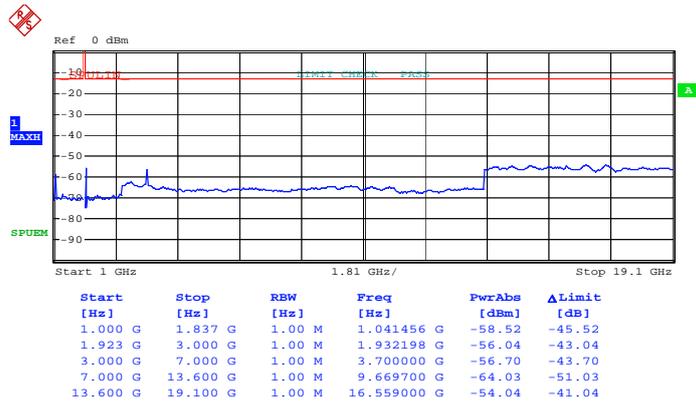
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
Frequency :	1851.5	Channel :	18615

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 13:29:12

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

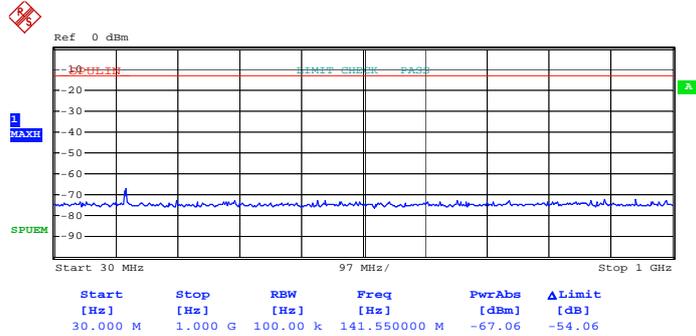


Date: 17.JUL.2012 13:28:28



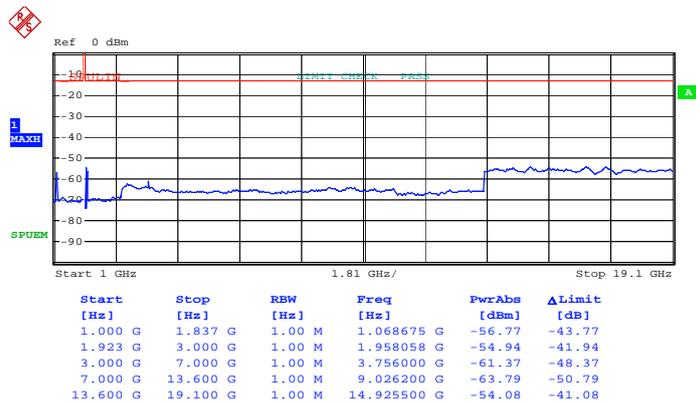
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:06:53

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

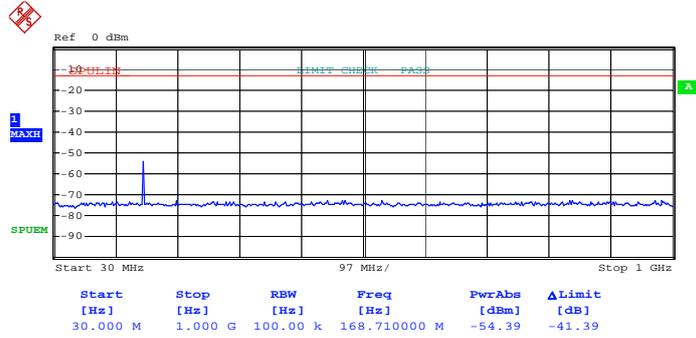


Date: 17.JUL.2012 11:07:26



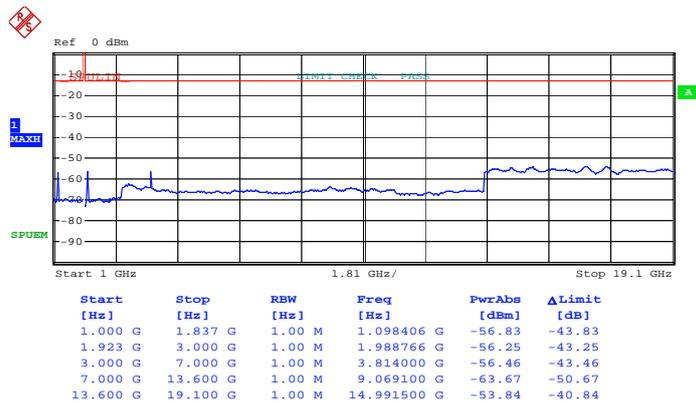
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
Frequency :	1908.5	Channel :	19185

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:10:18

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

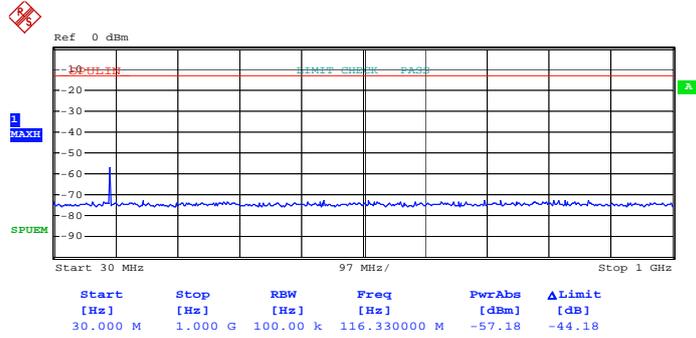


Date: 17.JUL.2012 15:04:52



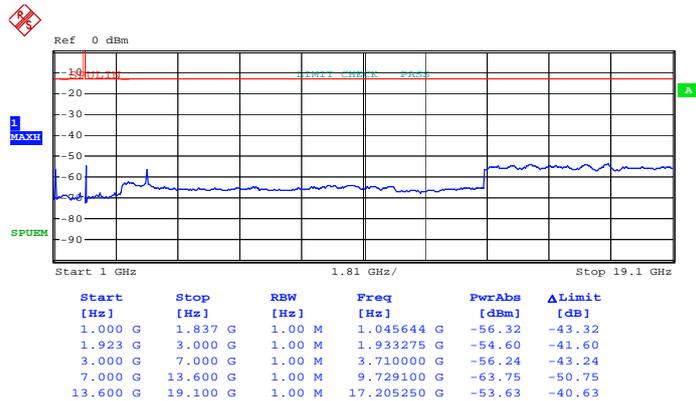
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
Frequency :	1852.5	Channel :	18625

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 24)



Date: 17.JUL.2012 13:25:44

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 24)

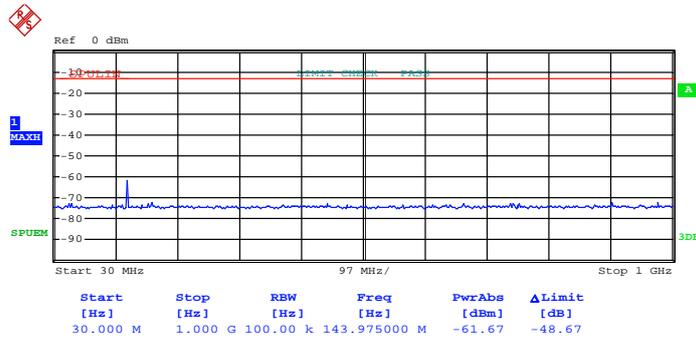


Date: 17.JUL.2012 13:24:42



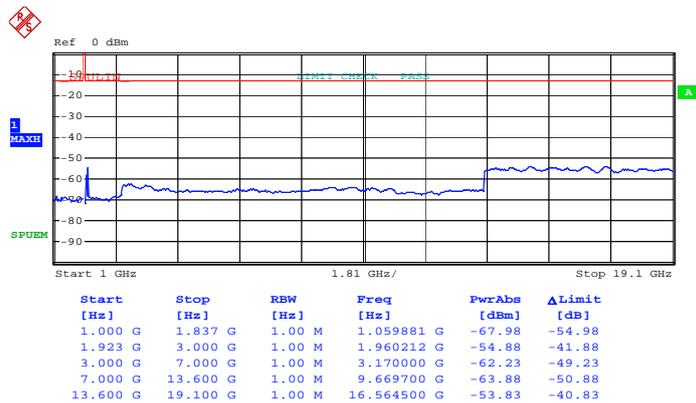
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 24)



Date: 17.JUL.2012 04:55:43

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 24)

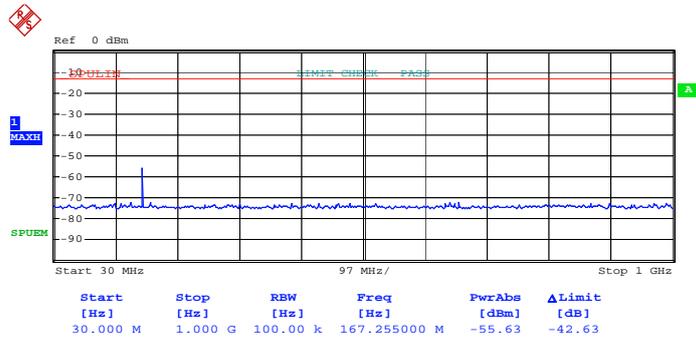


Date: 17.JUL.2012 10:25:40



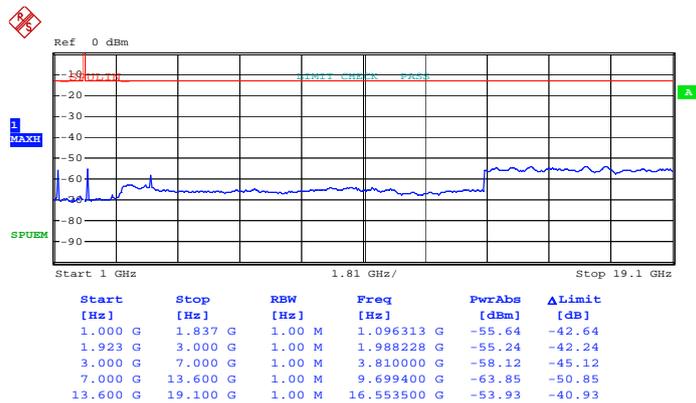
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
Frequency :	1907.5	Channel :	19175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:58:34

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

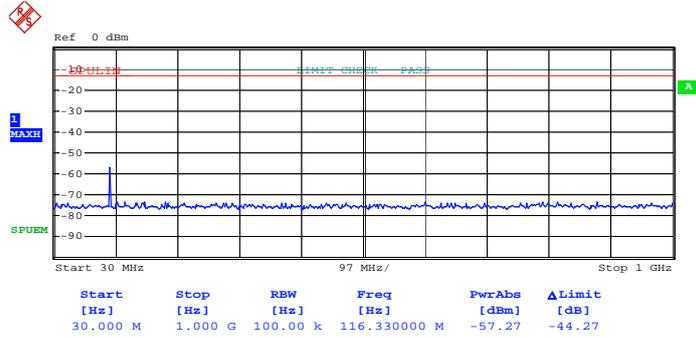


Date: 17.JUL.2012 15:00:41



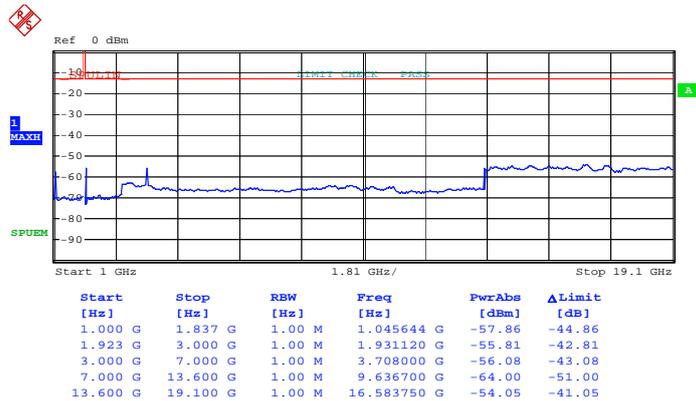
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
Frequency :	1852.5	Channel :	18625

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 24)**



Date: 17.JUL.2012 13:22:32

**Conducted Emission Plot (1GHz ~ 19.1GHz) for
16-QAM (RB Size 1, RB Offset 24)**

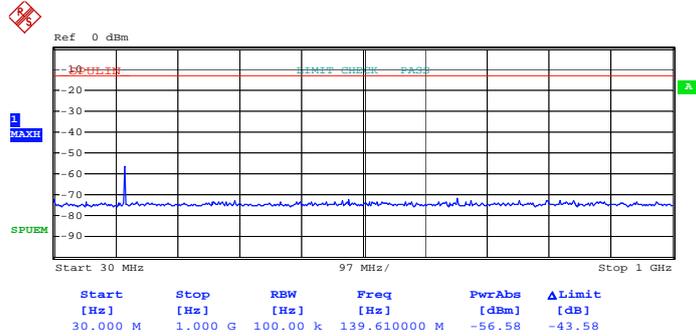


Date: 17.JUL.2012 13:23:18



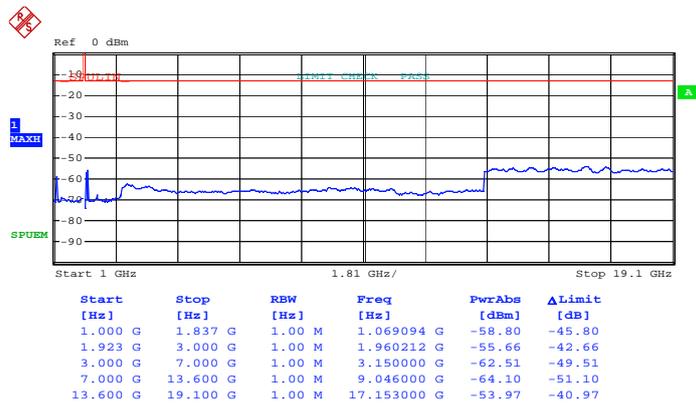
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 10:27:02

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

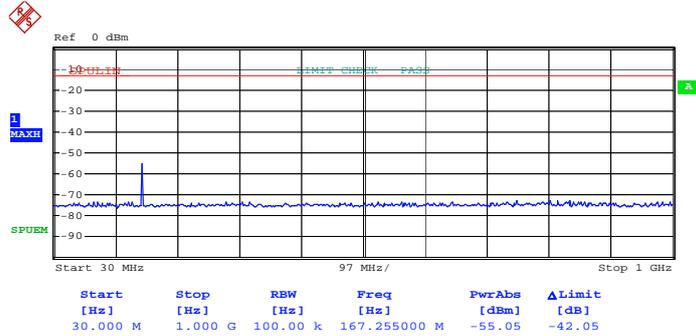


Date: 17.JUL.2012 10:26:22



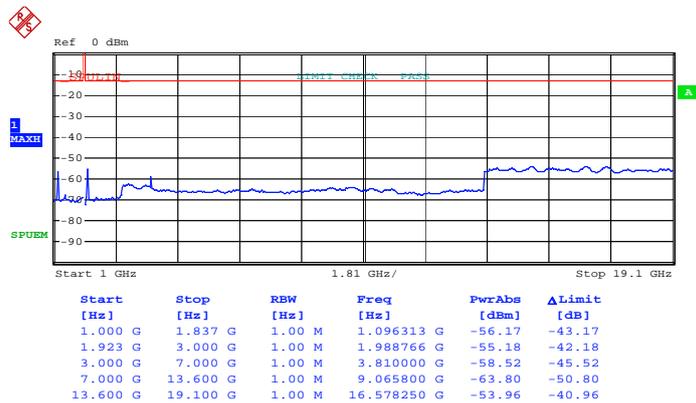
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
Frequency :	1907.5	Channel :	19175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:59:12

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

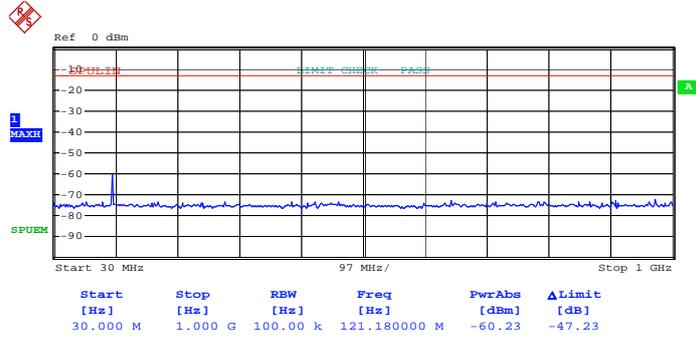


Date: 17.JUL.2012 14:59:57



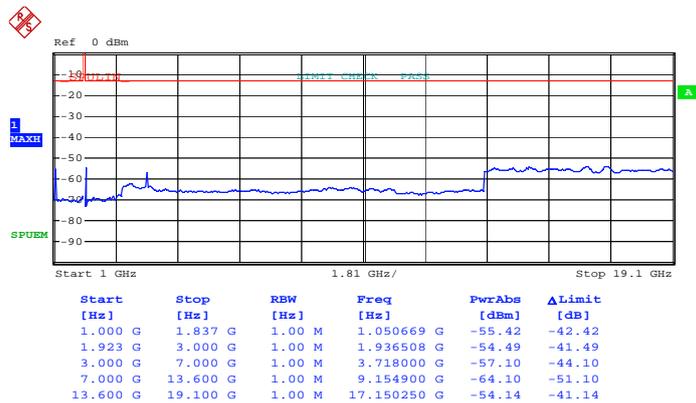
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
Frequency :	1855	Channel :	18650

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 49)



Date: 17.JUL.2012 12:00:48

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 49)

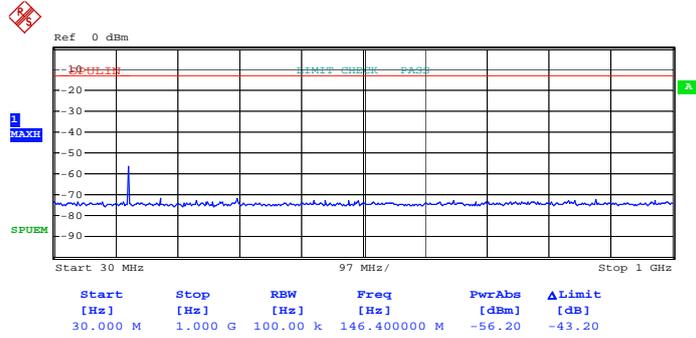


Date: 17.JUL.2012 12:01:32



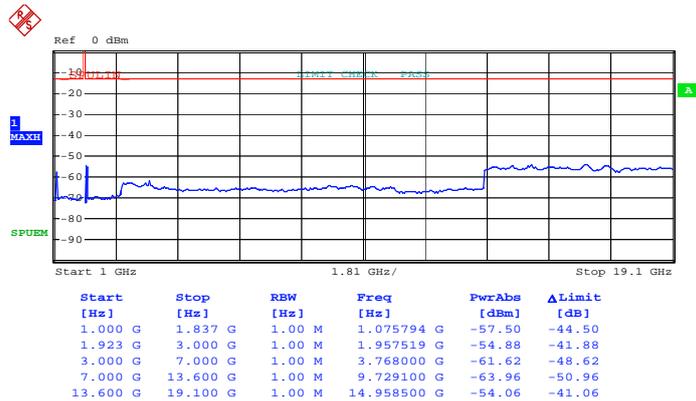
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 49)



Date: 17.JUL.2012 11:17:56

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 49)

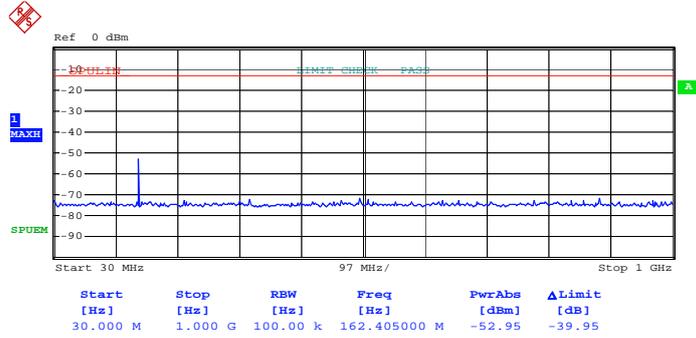


Date: 17.JUL.2012 11:16:56



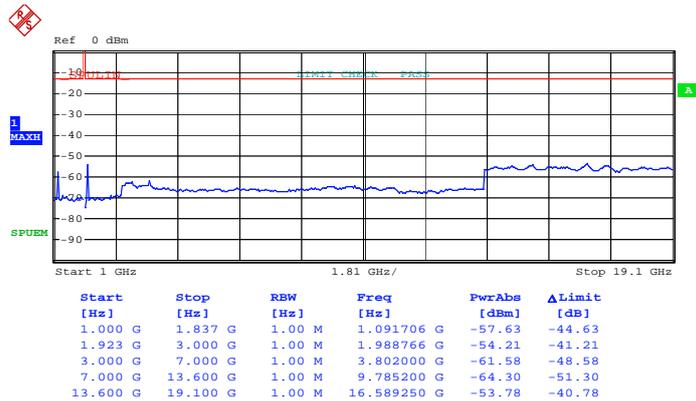
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
Frequency :	1905	Channel :	19150

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:56:47

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

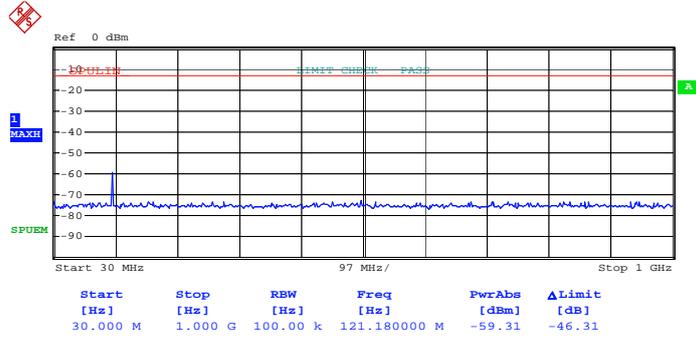


Date: 17.JUL.2012 14:54:52



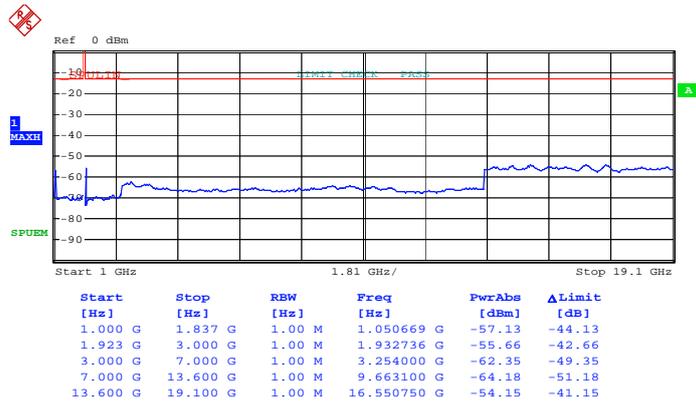
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
Frequency :	1855	Channel :	18650

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 49)**



Date: 17.JUL.2012 12:02:17

**Conducted Emission Plot (1GHz ~ 19.1GHz) for
16-QAM (RB Size 1, RB Offset 49)**

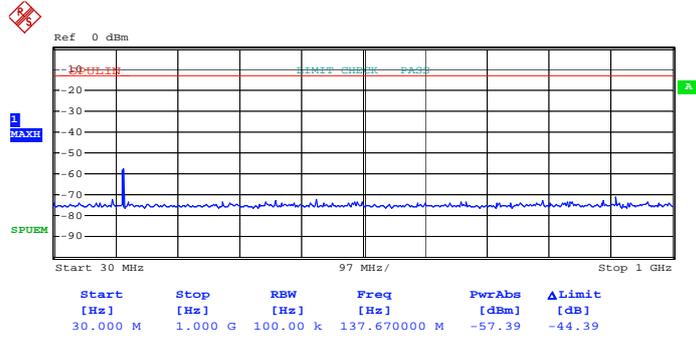


Date: 17.JUL.2012 12:01:54



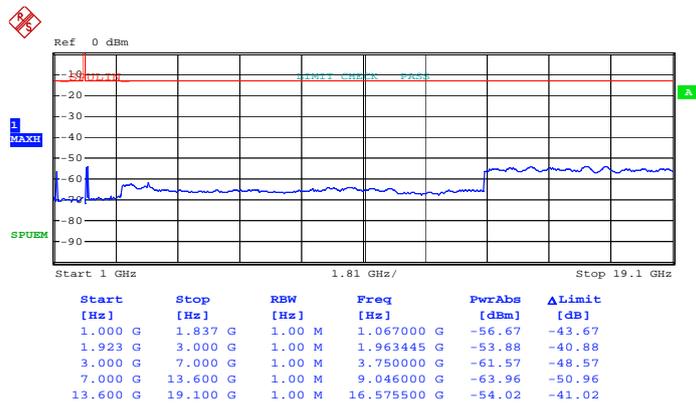
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:15:11

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

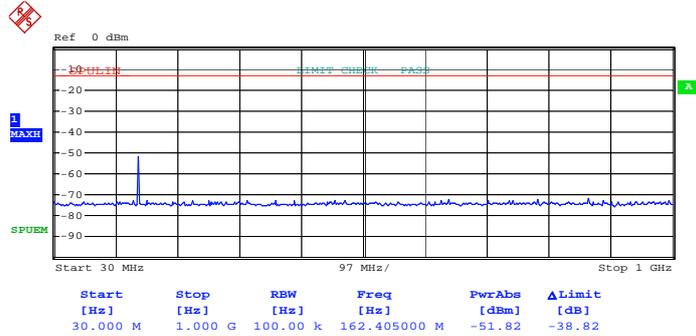


Date: 17.JUL.2012 11:16:08



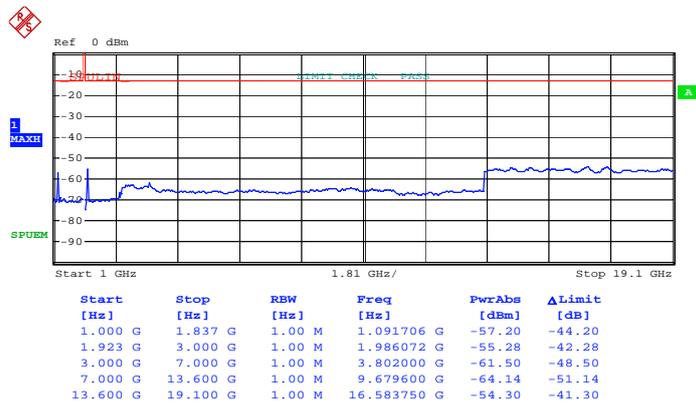
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
Frequency :	1905	Channel :	19150

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:56:13

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

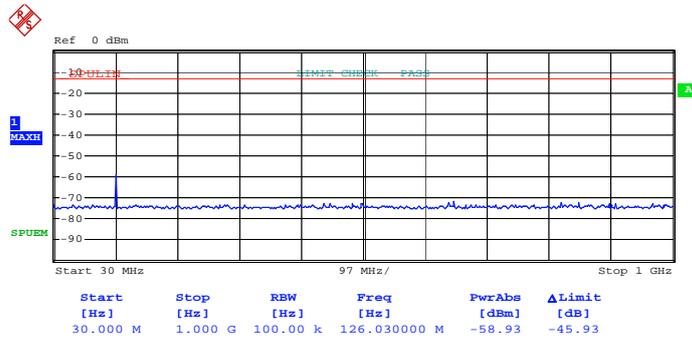


Date: 17.JUL.2012 14:55:18



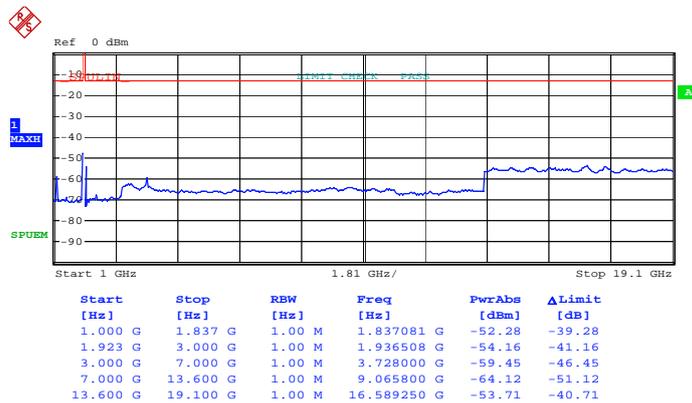
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
Frequency :	1857.5	Channel :	18675

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 74)



Date: 17.JUL.2012 11:52:37

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 74)

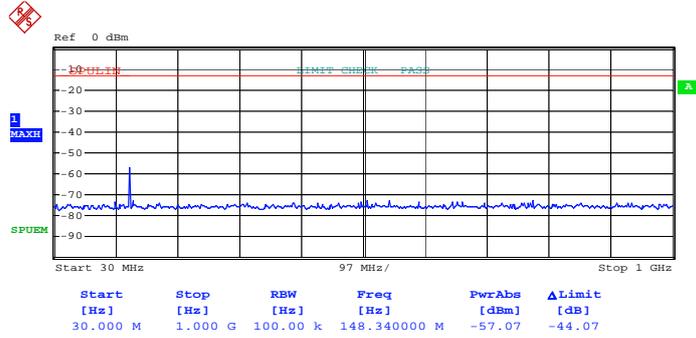


Date: 17.JUL.2012 11:51:31



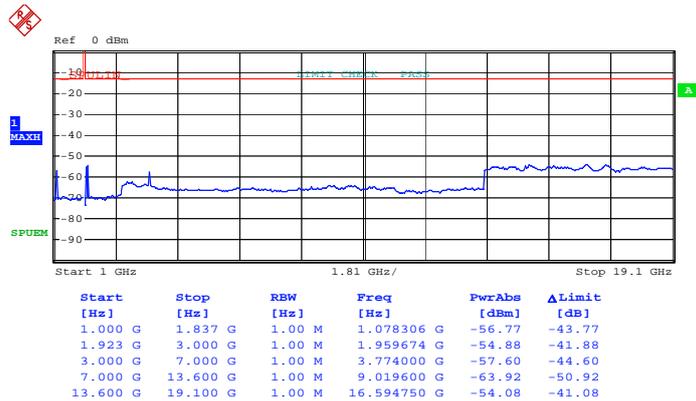
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 74)



Date: 17.JUL.2012 11:29:33

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 74)

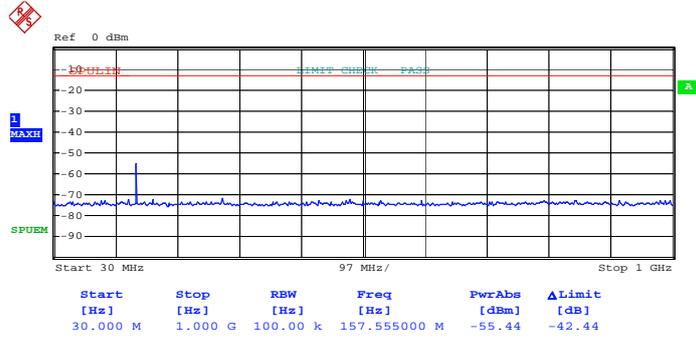


Date: 17.JUL.2012 11:30:05



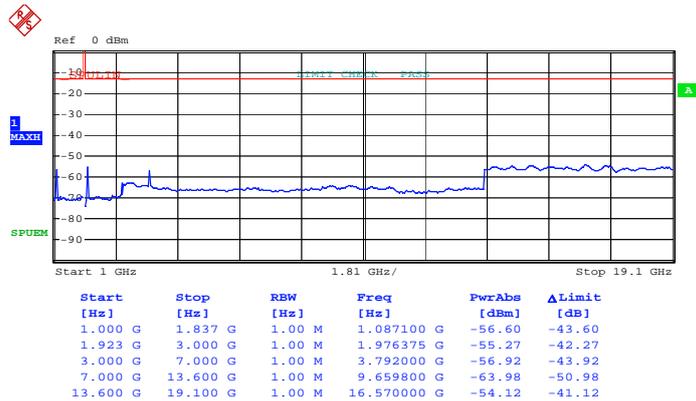
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
Frequency :	1902.5	Channel :	19125

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:52:24

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

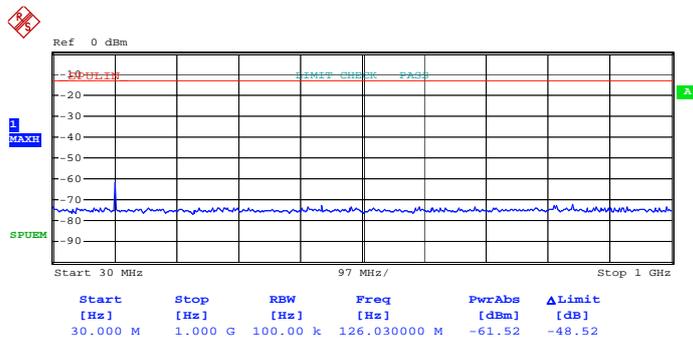


Date: 17.JUL.2012 14:53:52



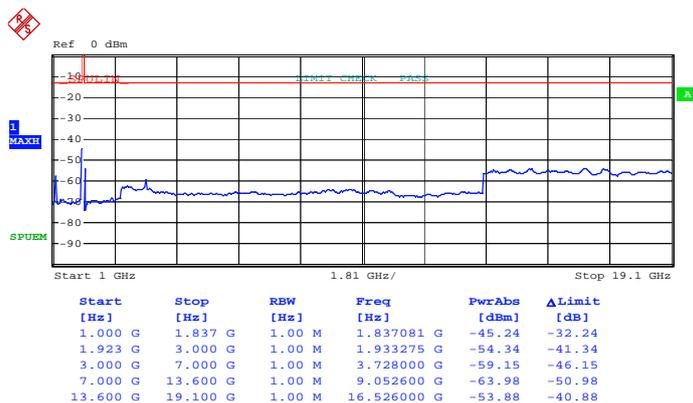
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
Frequency :	1857.5	Channel :	18675

Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 74)



Date: 17.JUL.2012 11:49:59

Conducted Emission Plot (1GHz ~ 19.1GHz) for
16-QAM (RB Size 1, RB Offset 74)

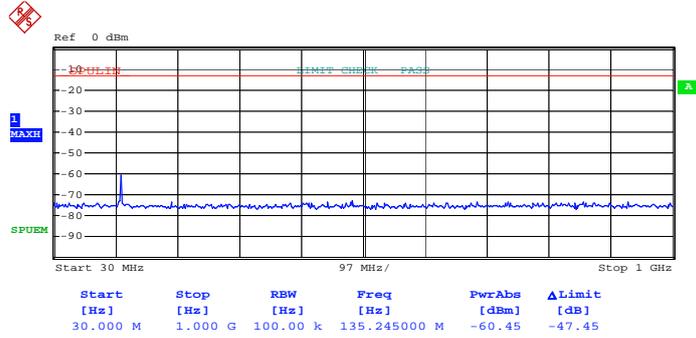


Date: 17.JUL.2012 11:50:44



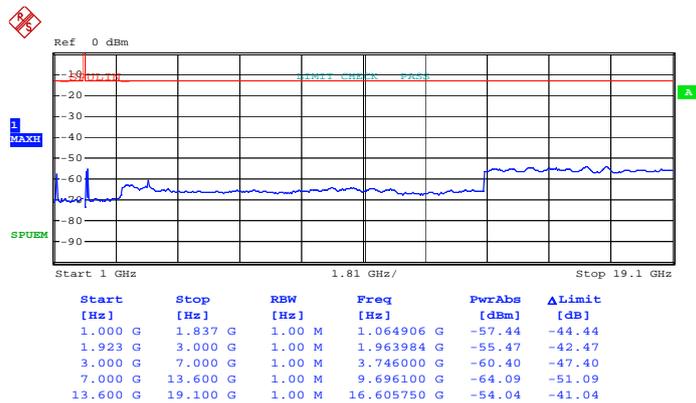
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:31:01

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

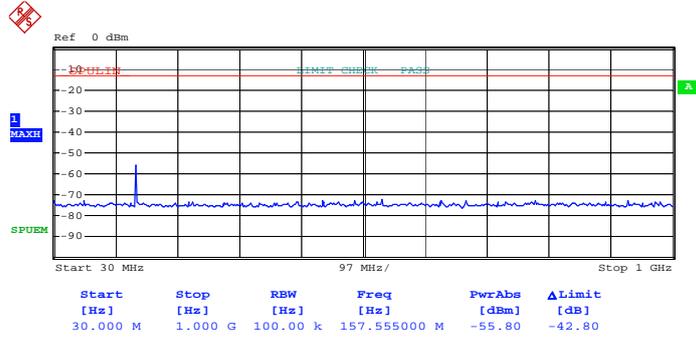


Date: 17.JUL.2012 11:30:37



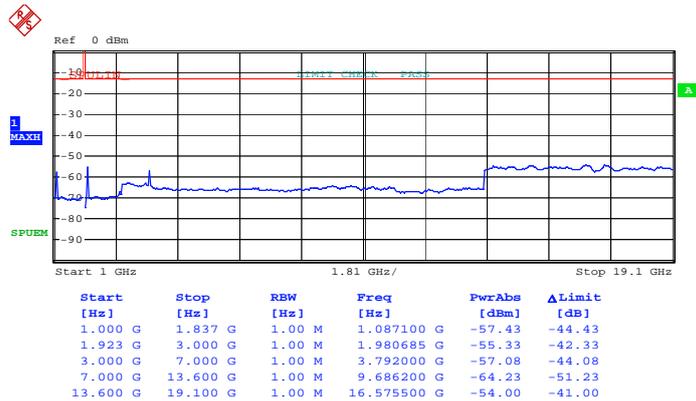
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
Frequency :	1902.5	Channel :	19125

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:52:54

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

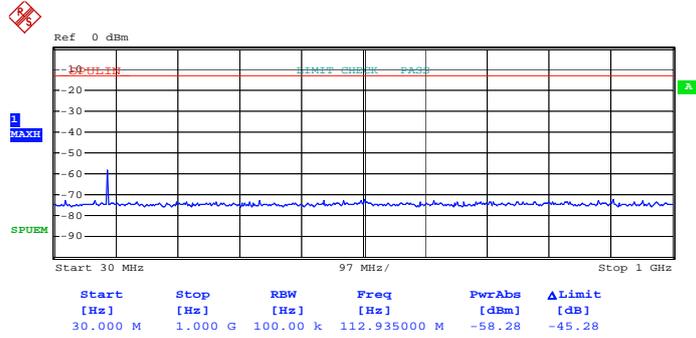


Date: 17.JUL.2012 14:53:28



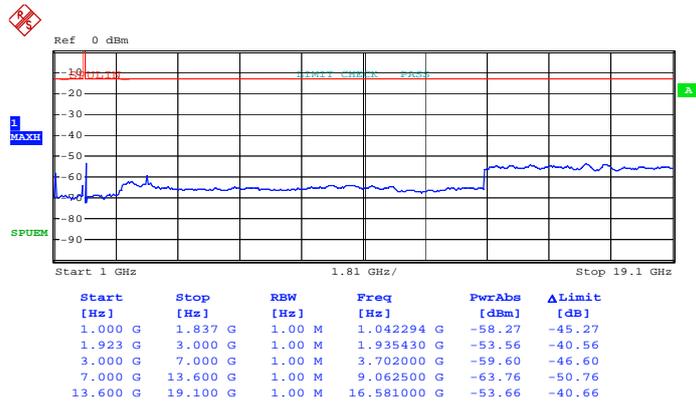
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
Frequency :	1860	Channel :	18700

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:45:01

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

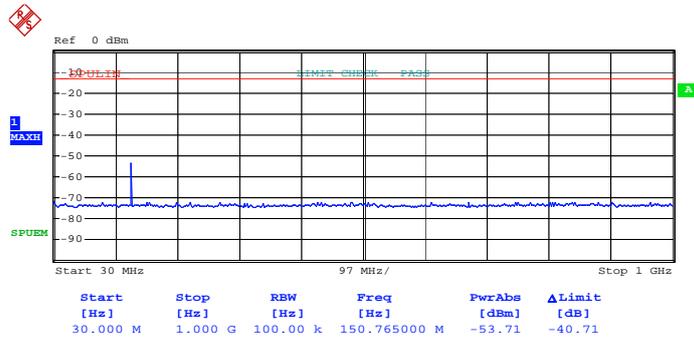


Date: 17.JUL.2012 11:46:56



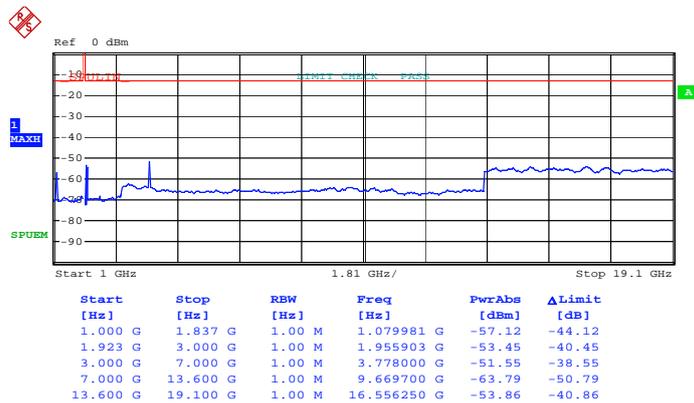
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 99)



Date: 17.JUL.2012 11:38:34

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 99)

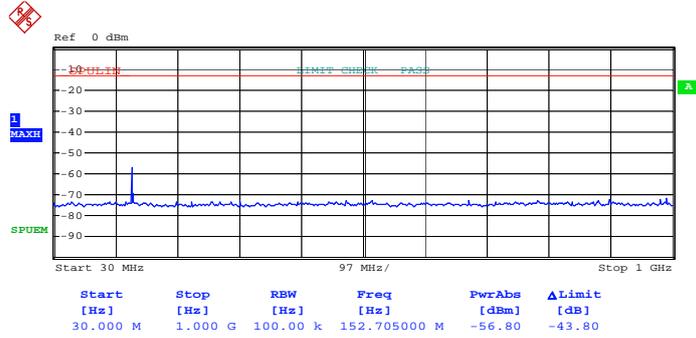


Date: 17.JUL.2012 11:34:35



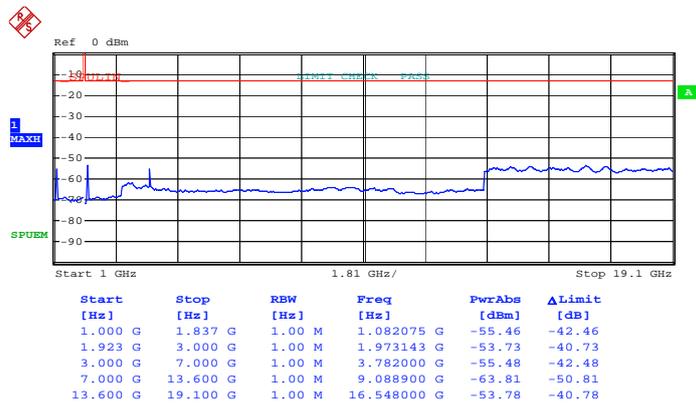
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
Frequency :	1900	Channel :	19100

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:50:39

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

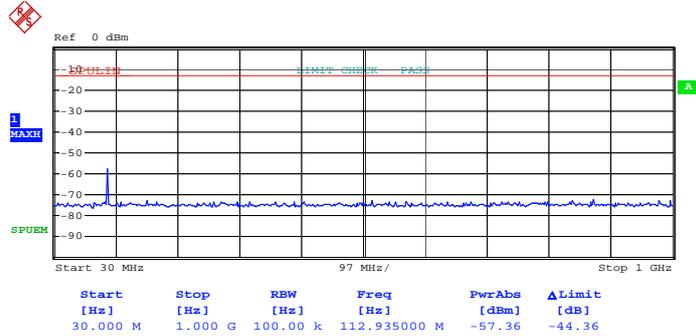


Date: 17.JUL.2012 14:49:49



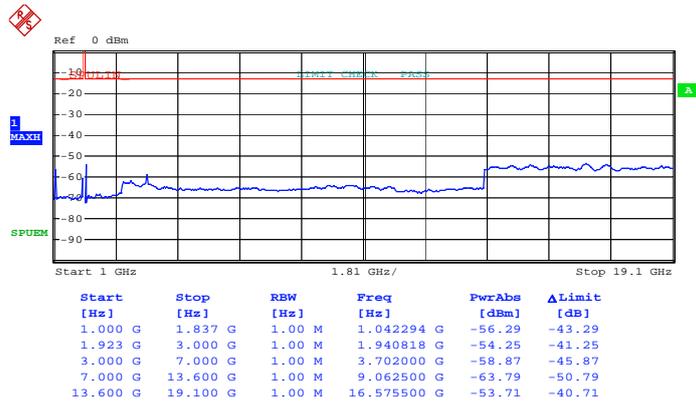
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
Frequency :	1860	Channel :	18700

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:48:27

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

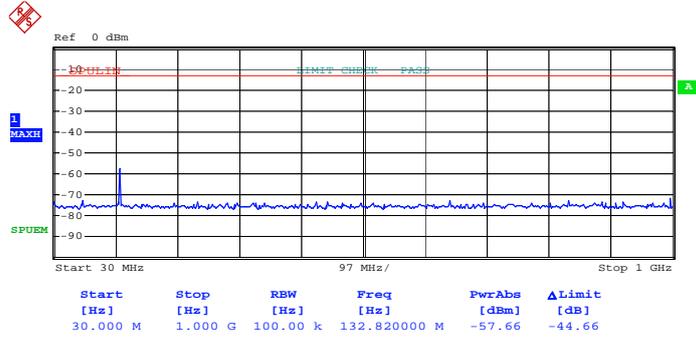


Date: 17.JUL.2012 11:47:53



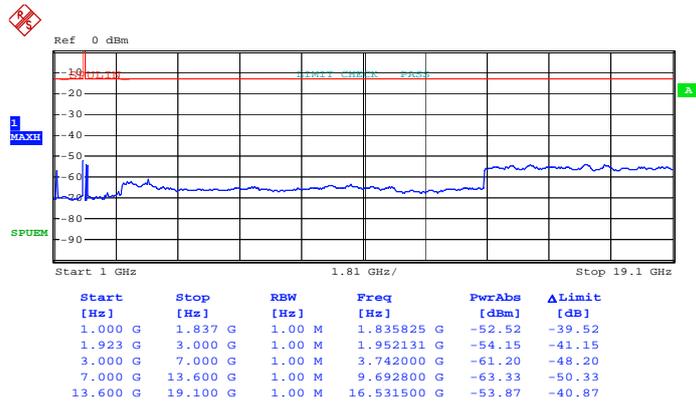
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 11:32:30

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

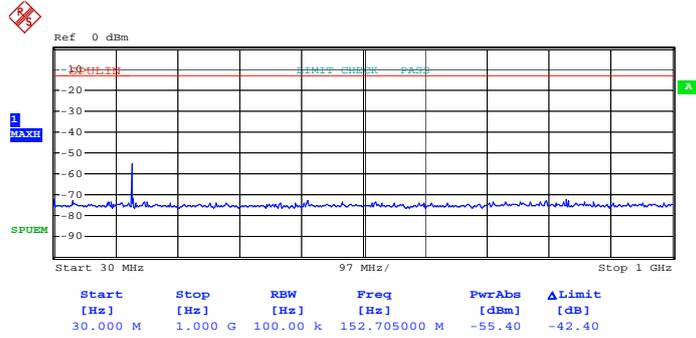


Date: 17.JUL.2012 11:33:15



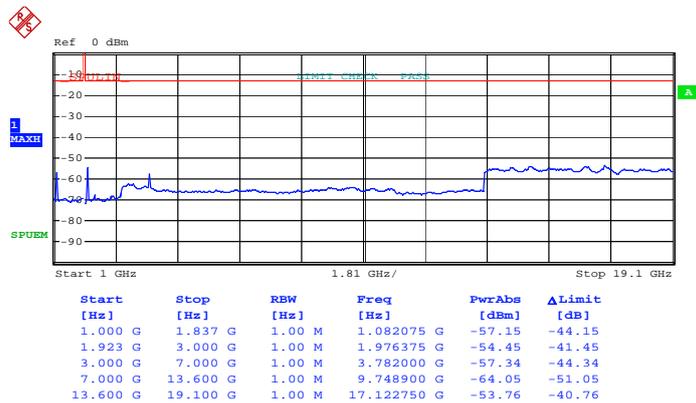
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
Frequency :	1900	Channel :	19100

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 14:47:05

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

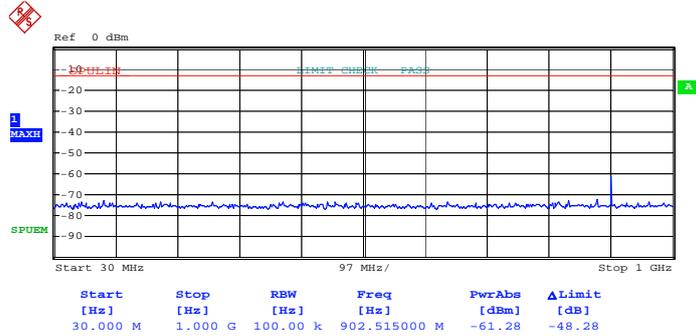


Date: 17.JUL.2012 14:47:53



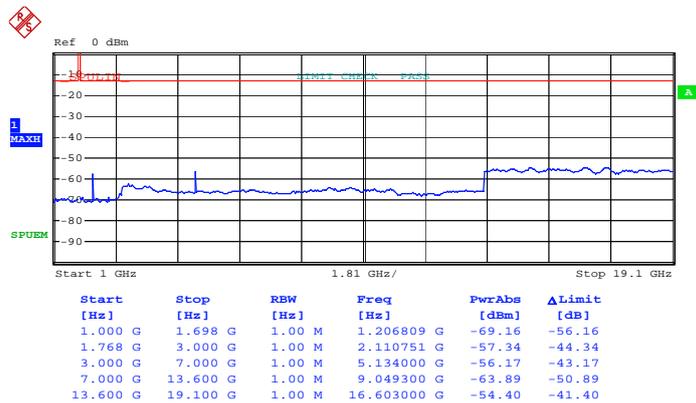
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
Frequency :	1710.7	Channel :	19957

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 17.JUL.2012 16:47:14

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 5)

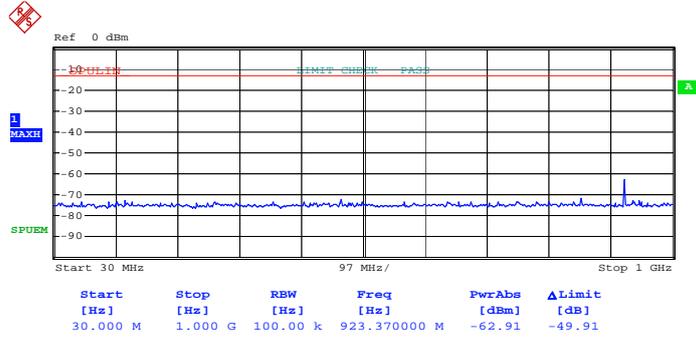


Date: 17.JUL.2012 16:47:51



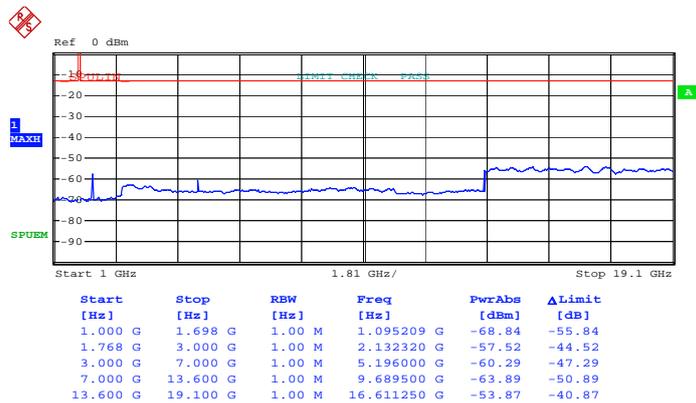
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:51:52

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

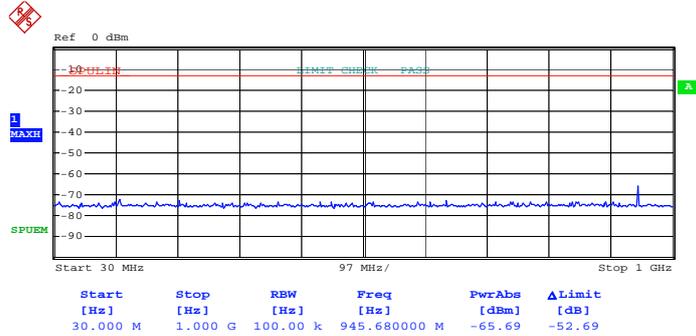


Date: 17.JUL.2012 15:44:06



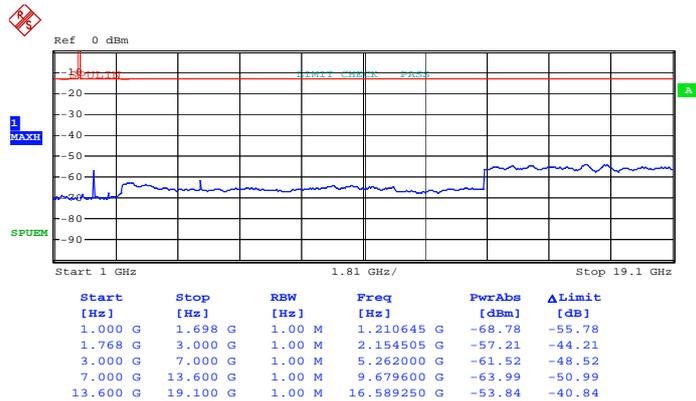
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
Frequency :	1754.3	Channel :	20393

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:51:51

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

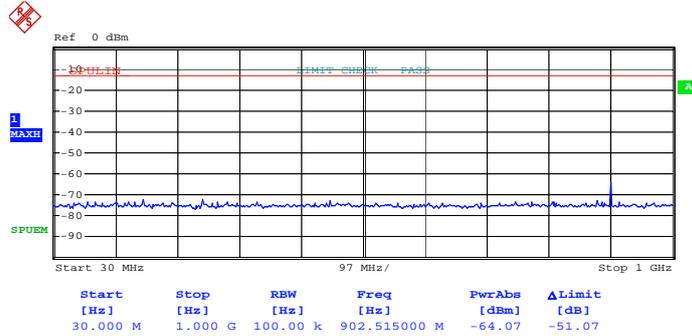


Date: 17.JUL.2012 16:51:23



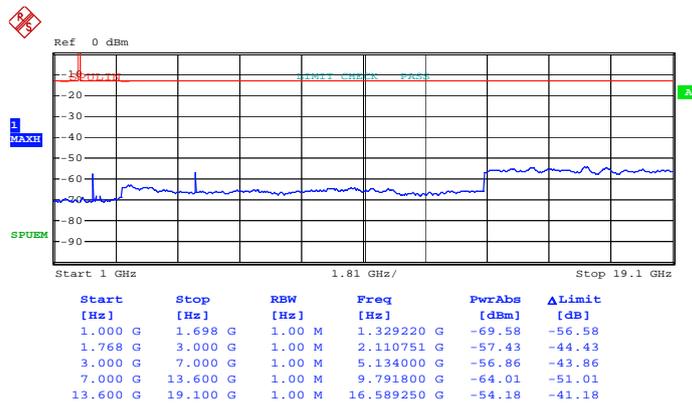
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1710.7	Channel :	19957

Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 5)



Date: 17.JUL.2012 16:46:44

Conducted Emission Plot (1GHz ~ 19.1GHz) for
16-QAM (RB Size 1, RB Offset 5)

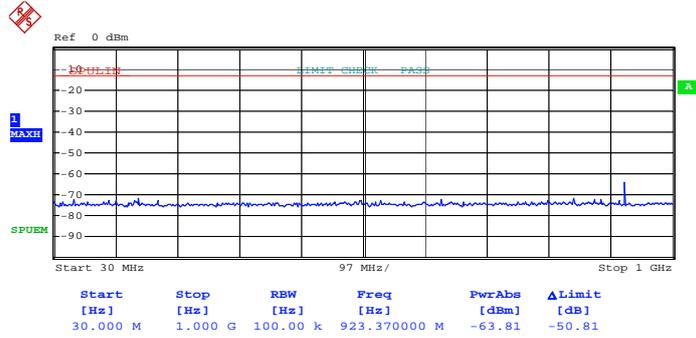


Date: 17.JUL.2012 16:48:15



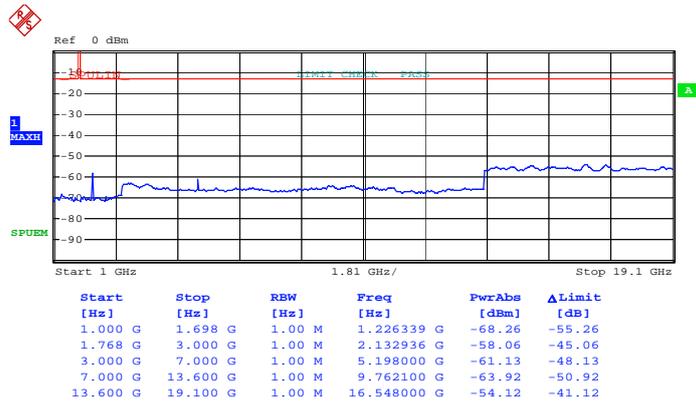
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:51:17

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

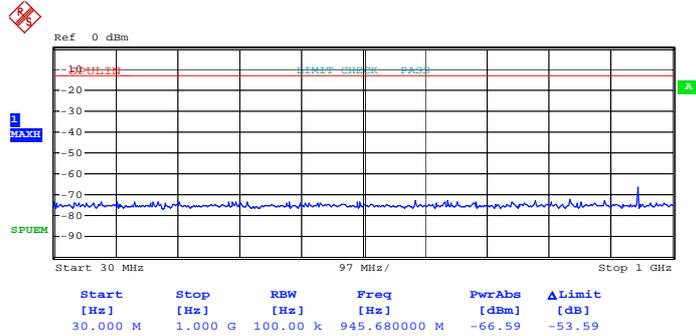


Date: 17.JUL.2012 15:44:37



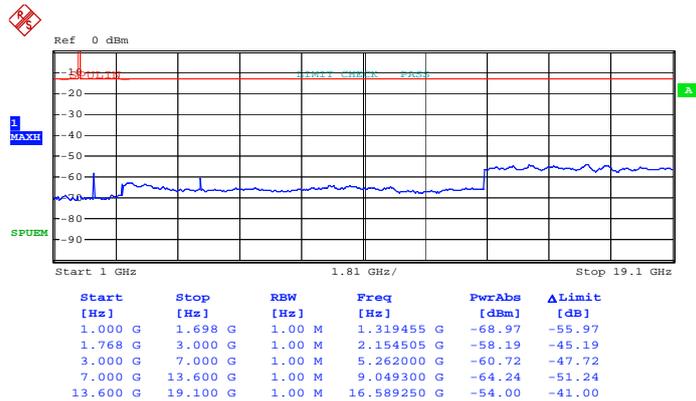
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1754.3	Channel :	20393

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:52:12

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

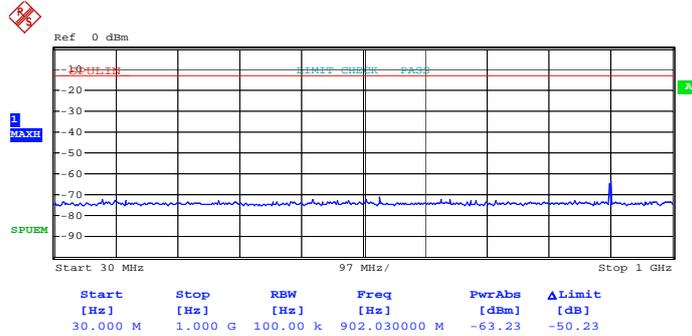


Date: 17.JUL.2012 16:50:39



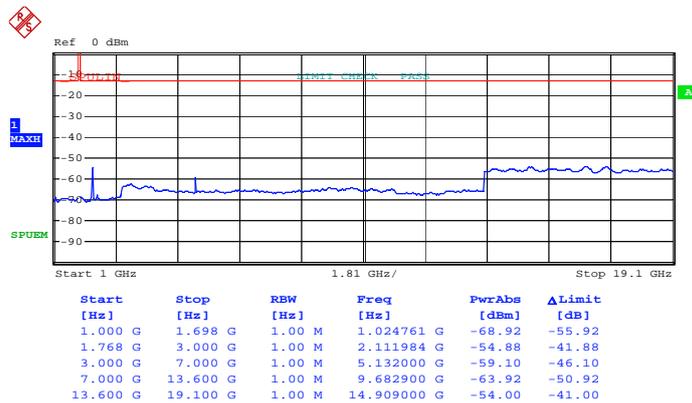
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
Frequency :	1711.5	Channel :	19965

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:44:41

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

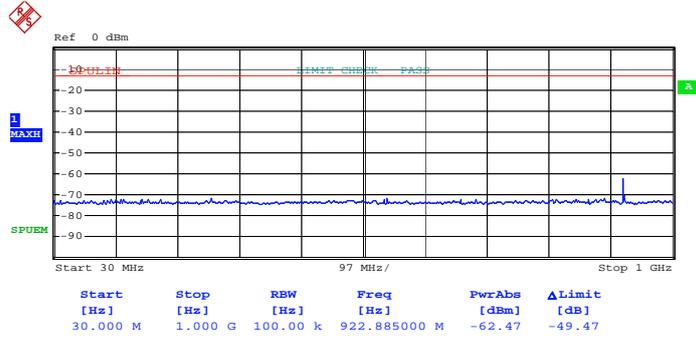


Date: 17.JUL.2012 16:42:01



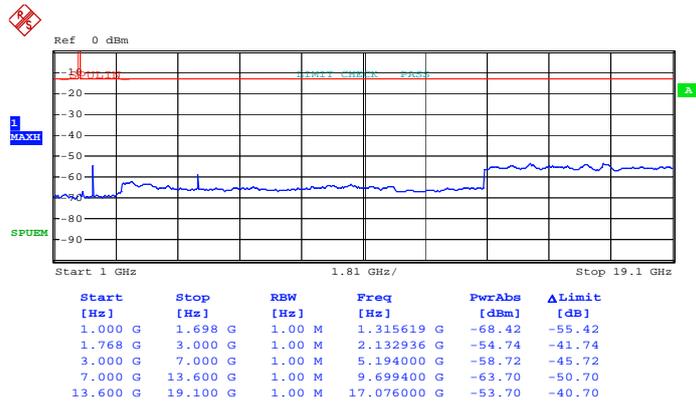
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:55:30

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

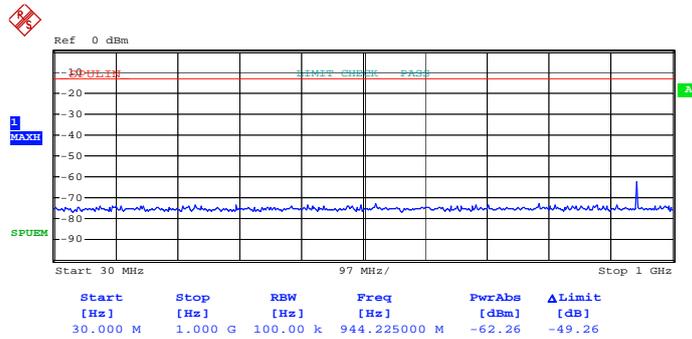


Date: 17.JUL.2012 16:01:43



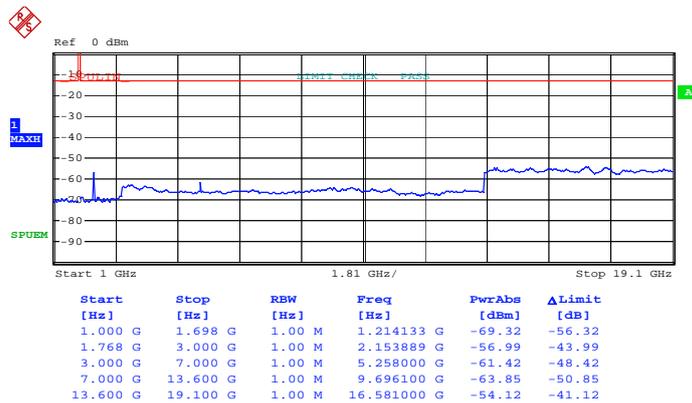
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
Frequency :	1753.5	Channel :	20385

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:53:42

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

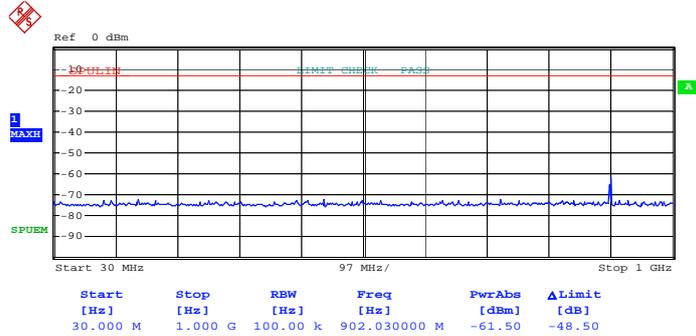


Date: 17.JUL.2012 16:54:17



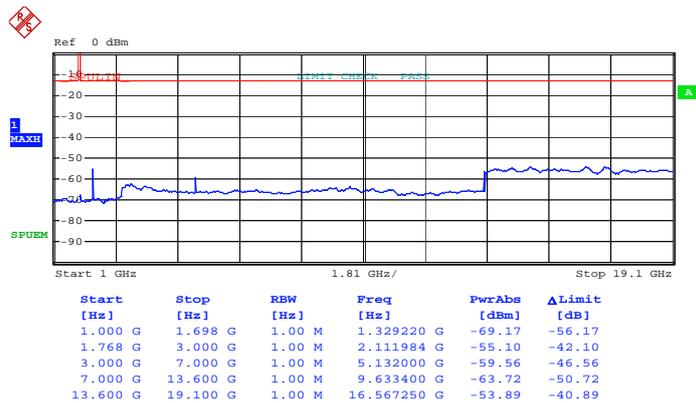
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
Frequency :	1711.5	Channel :	19965

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:45:34

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

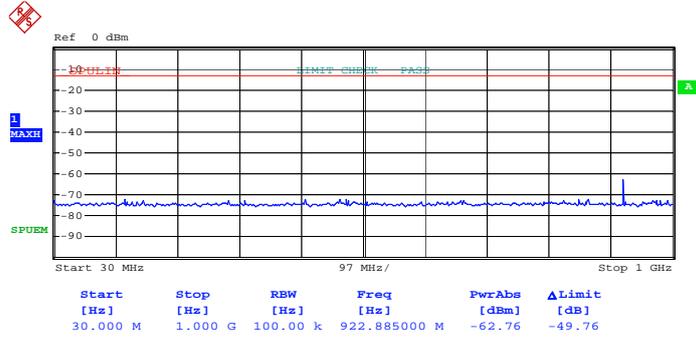


Date: 17.JUL.2012 16:42:41



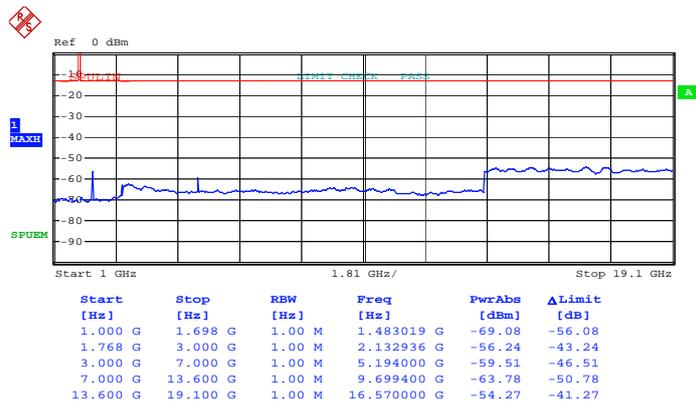
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 15:56:10

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

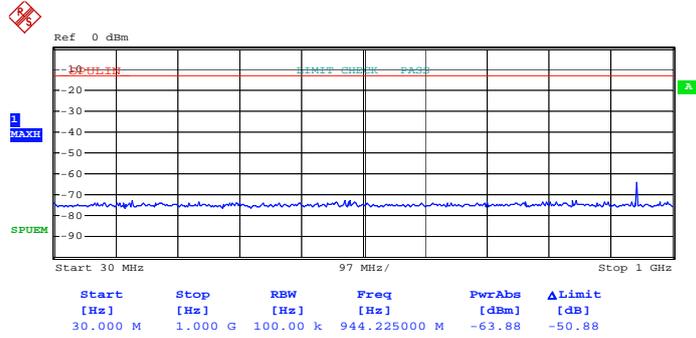


Date: 17.JUL.2012 15:57:09



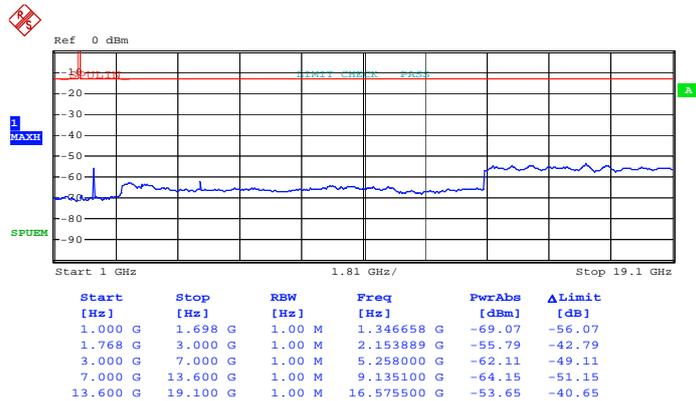
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
Frequency :	1753.5	Channel :	20385

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:53:12

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

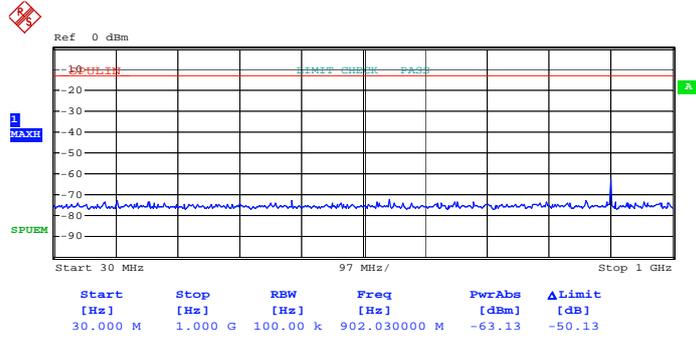


Date: 17.JUL.2012 16:54:51



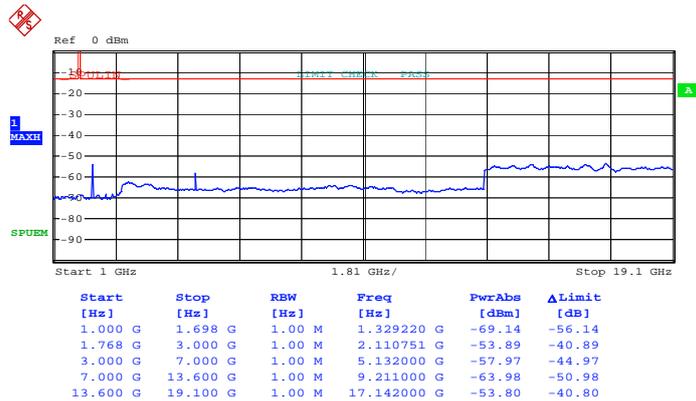
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
Frequency :	1712.5	Channel :	19975

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:37:18

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

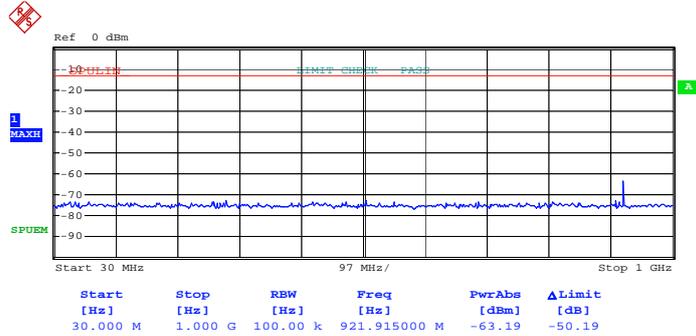


Date: 17.JUL.2012 16:40:39



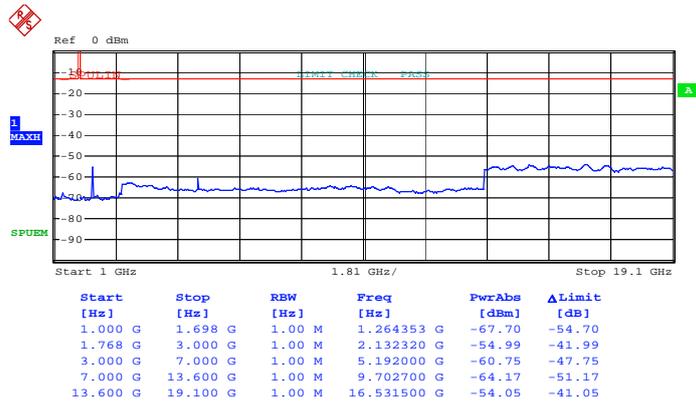
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:04:20

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

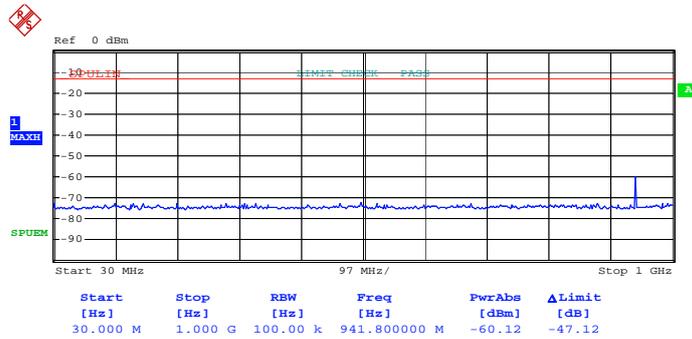


Date: 17.JUL.2012 16:02:28



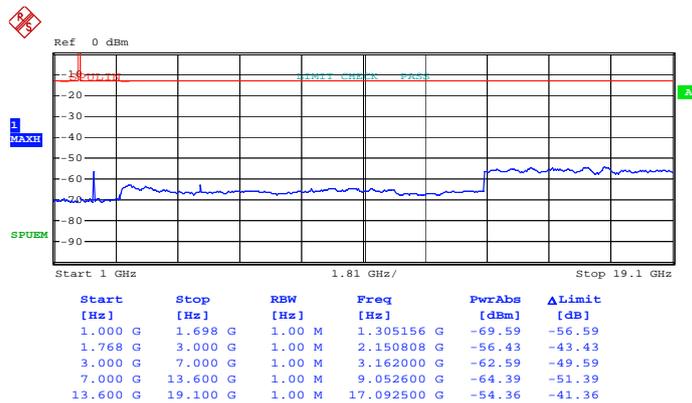
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
Frequency :	1752.5	Channel :	20375

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:58:31

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

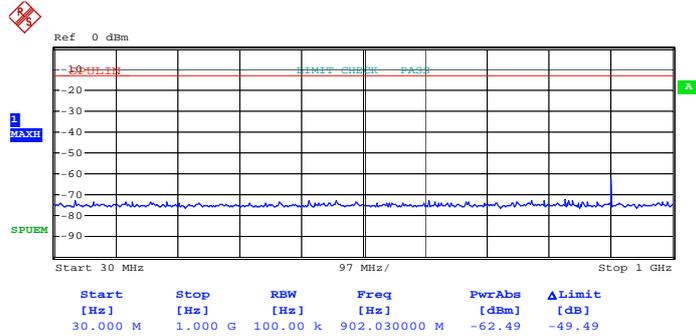


Date: 17.JUL.2012 16:57:40



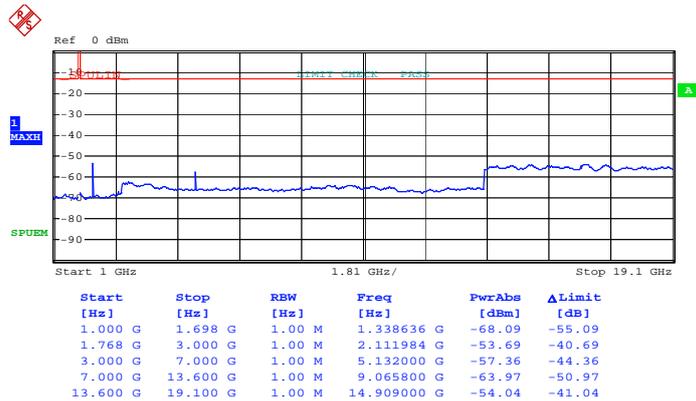
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
Frequency :	1712.5	Channel :	19975

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:38:13

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

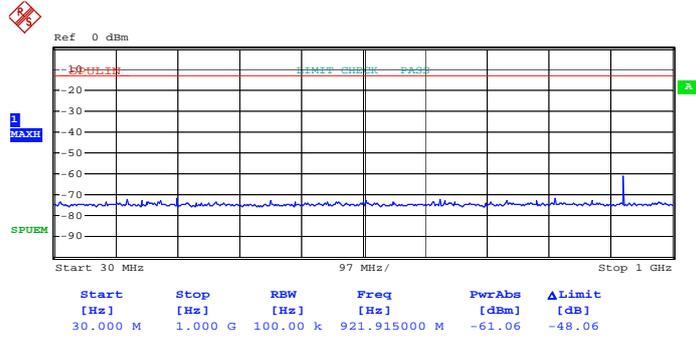


Date: 17.JUL.2012 16:39:33



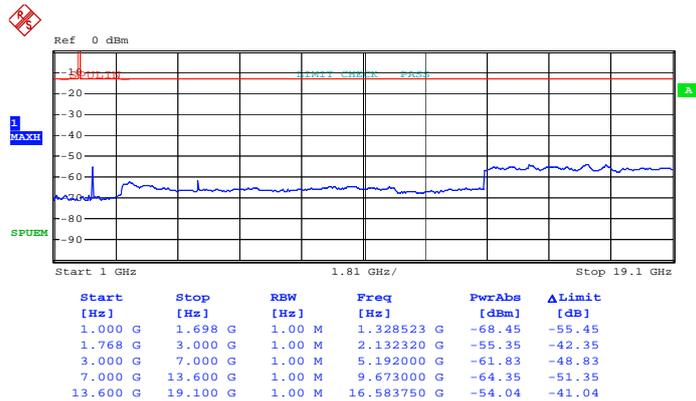
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:03:54

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

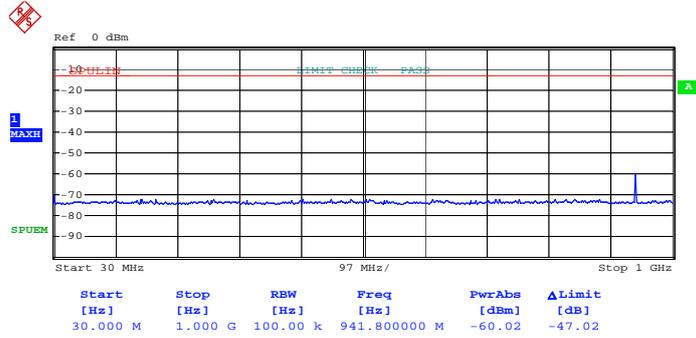


Date: 17.JUL.2012 16:03:09



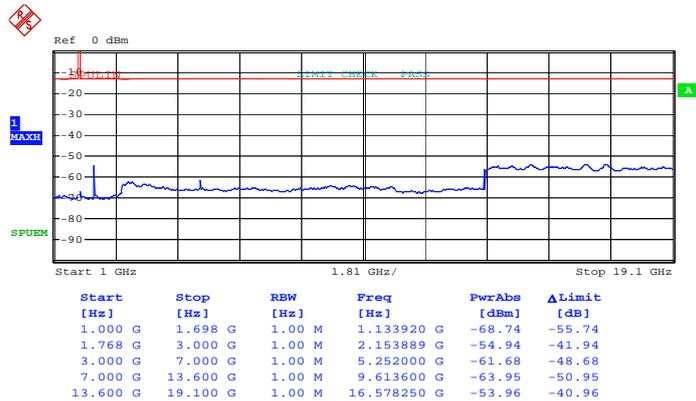
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
Frequency :	1752.5	Channel :	20375

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 17:01:42

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

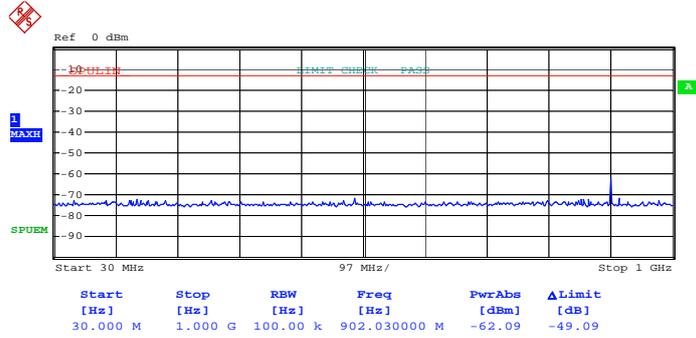


Date: 17.JUL.2012 16:57:00



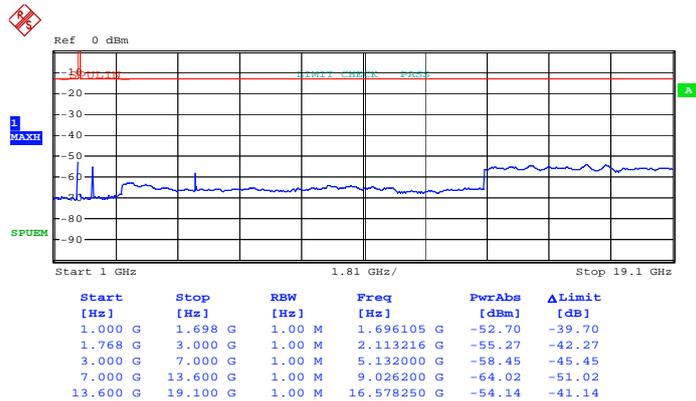
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
Frequency :	1715	Channel :	20000

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:34:12

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

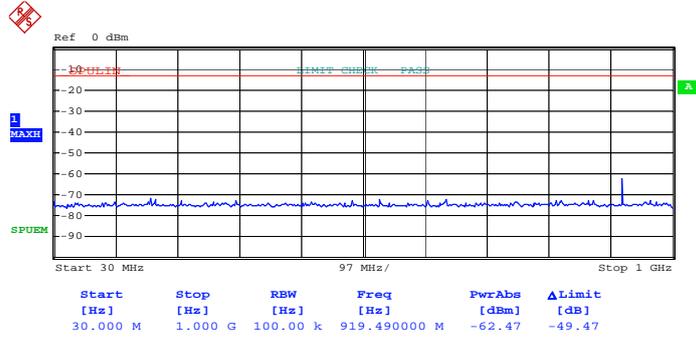


Date: 17.JUL.2012 16:32:09



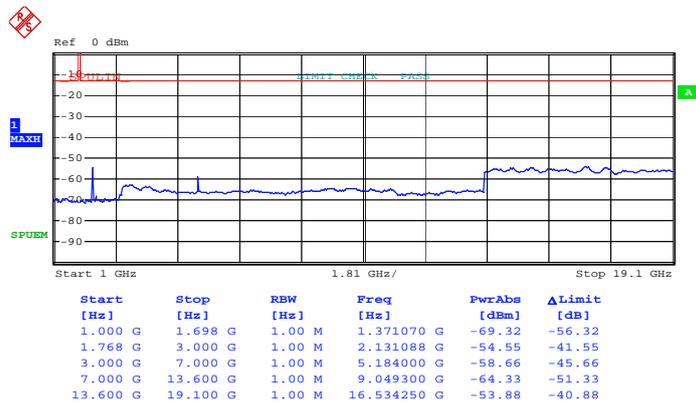
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:05:30

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

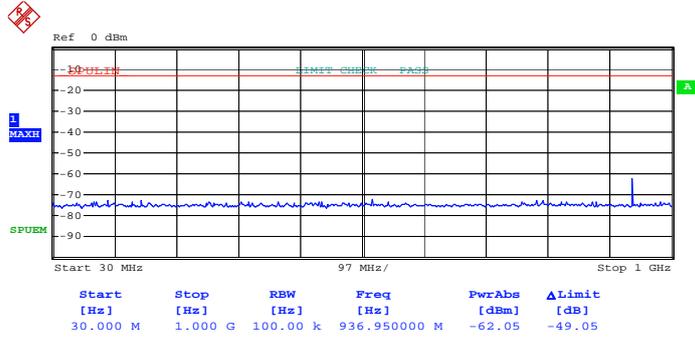


Date: 17.JUL.2012 16:07:17



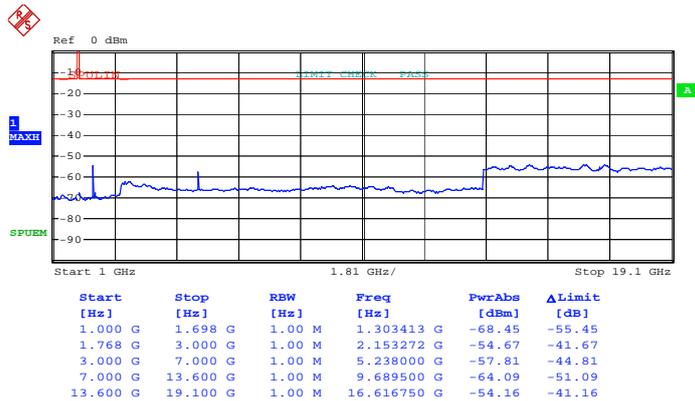
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
Frequency :	1750	Channel :	20350

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 17:05:08

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

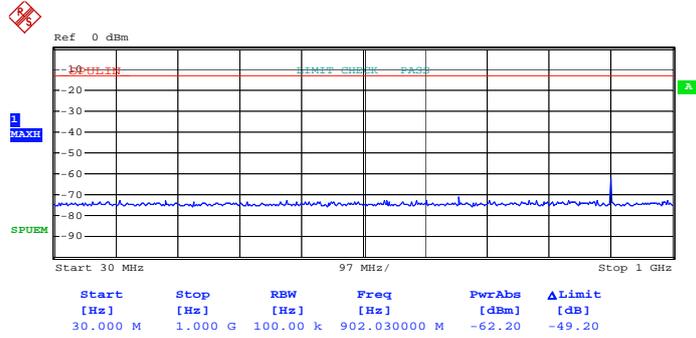


Date: 17.JUL.2012 17:05:47



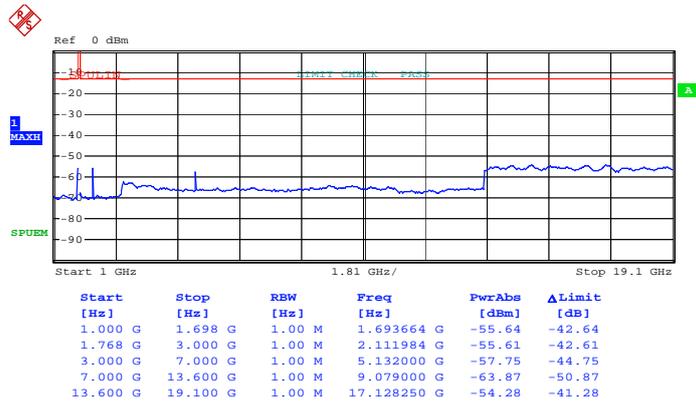
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
Frequency :	1715	Channel :	20000

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:33:29

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

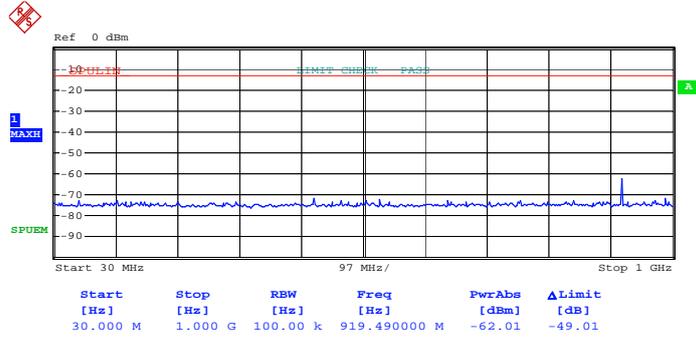


Date: 17.JUL.2012 16:32:36



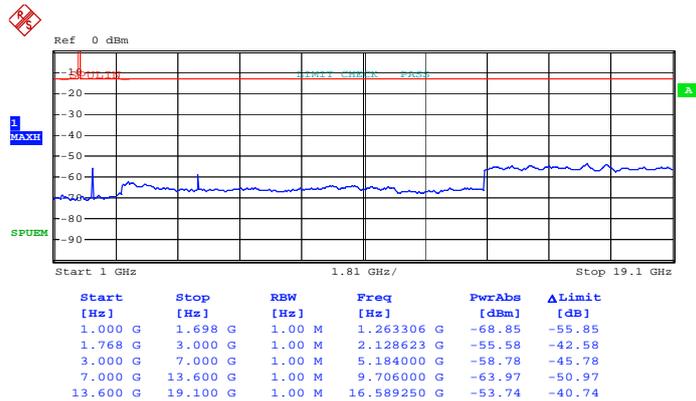
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:06:06

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

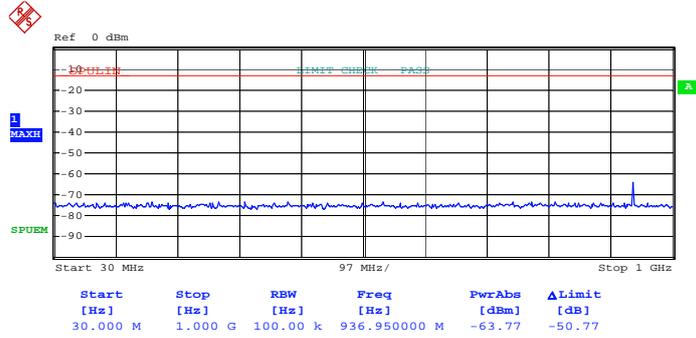


Date: 17.JUL.2012 16:06:52



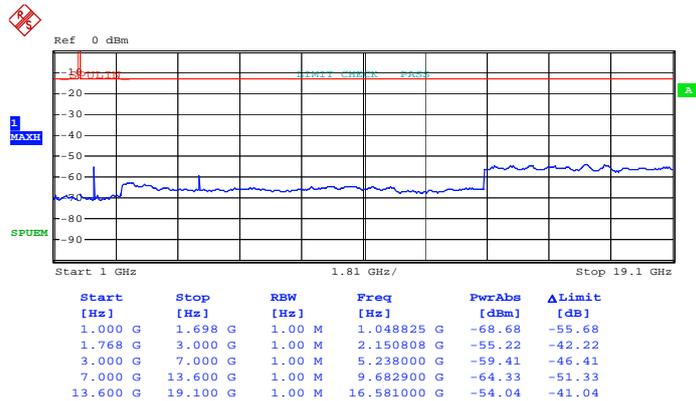
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
Frequency :	1750	Channel :	20350

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 0)**



Date: 17.JUL.2012 17:04:39

**Conducted Emission Plot (1GHz ~ 19.1GHz) for
16-QAM (RB Size 1, RB Offset 0)**

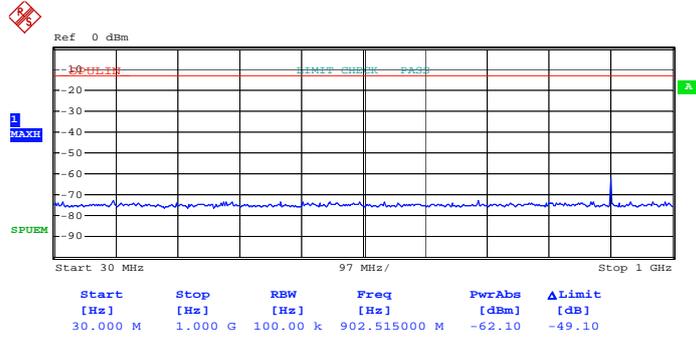


Date: 17.JUL.2012 17:06:23



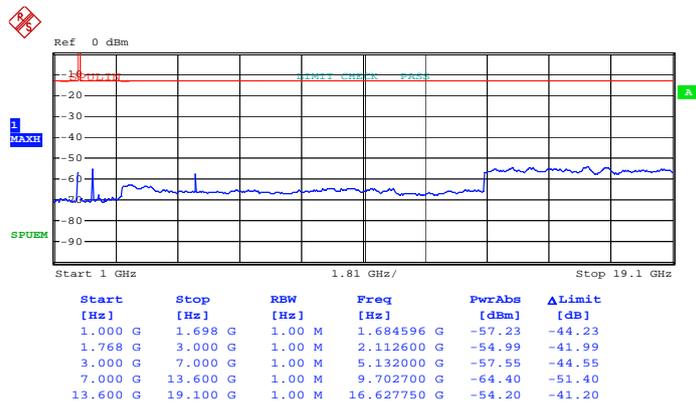
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
Frequency :	1717.5	Channel :	20025

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:29:24

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

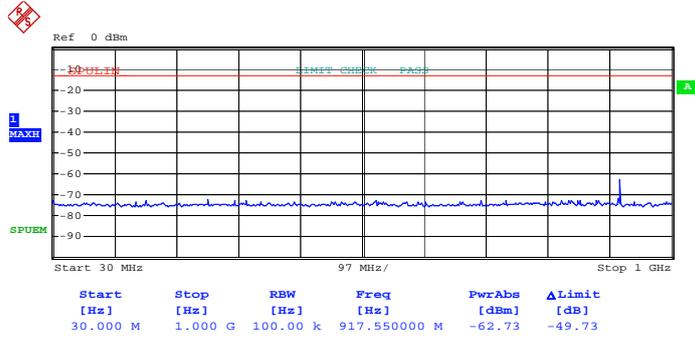


Date: 17.JUL.2012 16:31:01



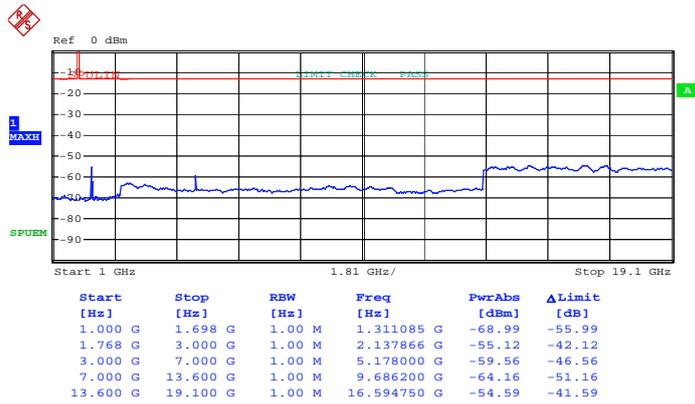
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:10:35

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

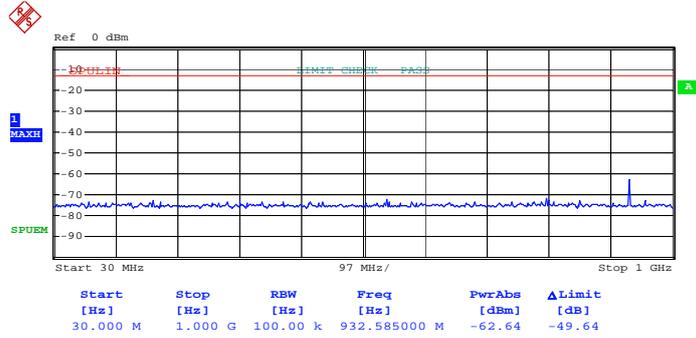


Date: 17.JUL.2012 16:08:28



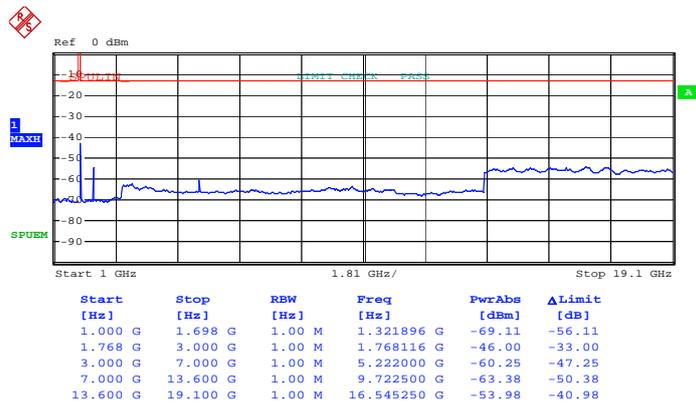
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
Frequency :	1747.5	Channel :	20325

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 17:12:27

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

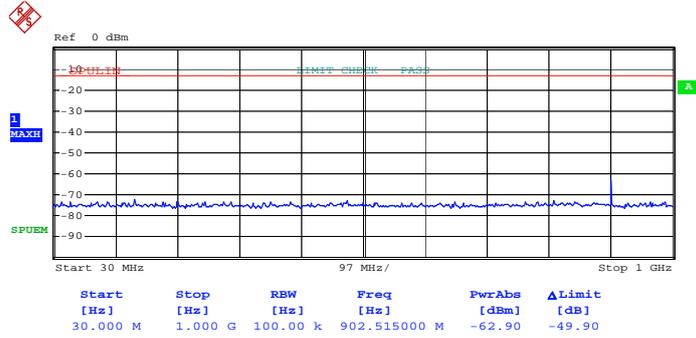


Date: 17.JUL.2012 17:11:34



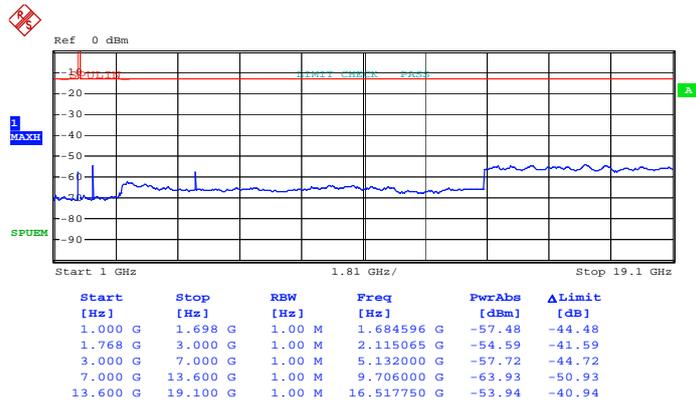
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
Frequency :	1717.5	Channel :	20025

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:29:55

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

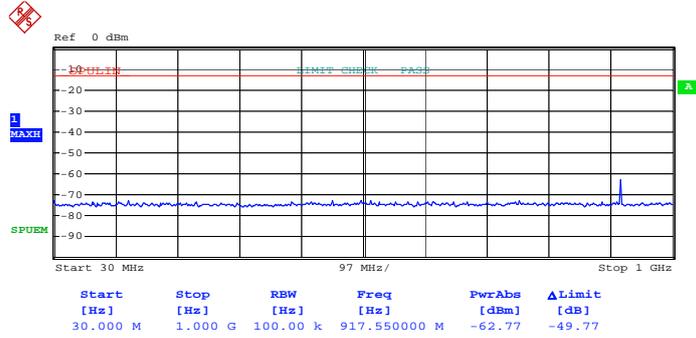


Date: 17.JUL.2012 16:30:35



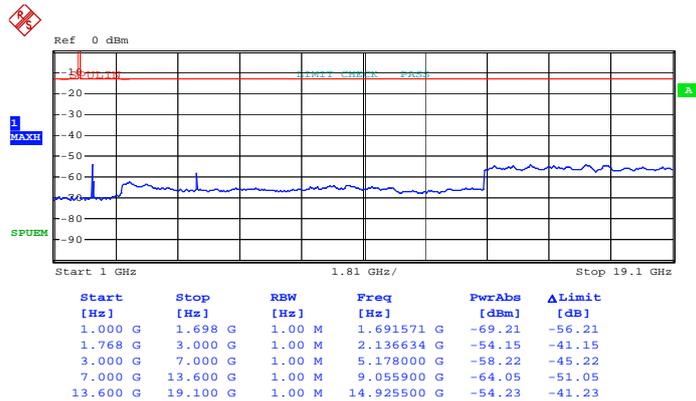
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:09:51

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

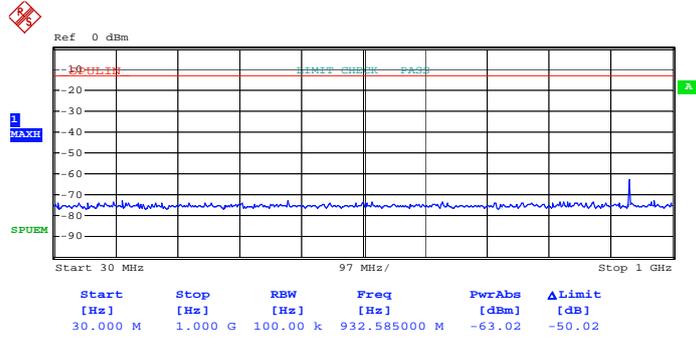


Date: 17.JUL.2012 16:08:57



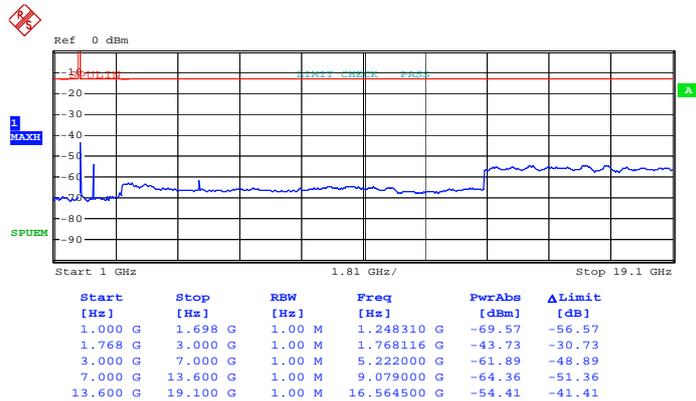
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
Frequency :	1747.5	Channel :	20325

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 17:12:58

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

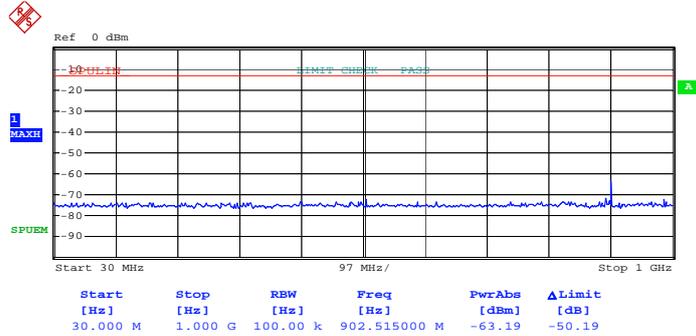


Date: 17.JUL.2012 17:10:56



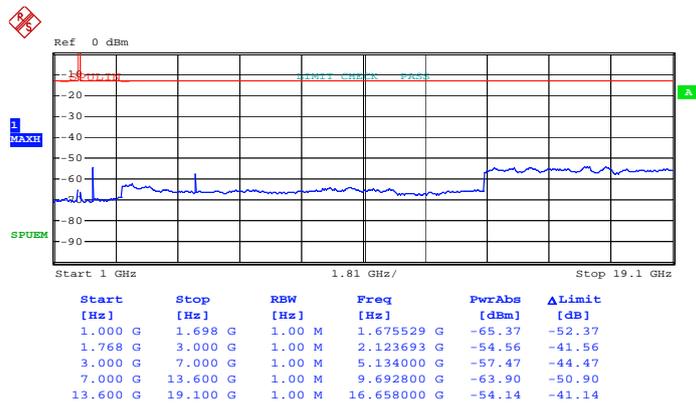
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
Frequency :	1720	Channel :	20050

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:28:01

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

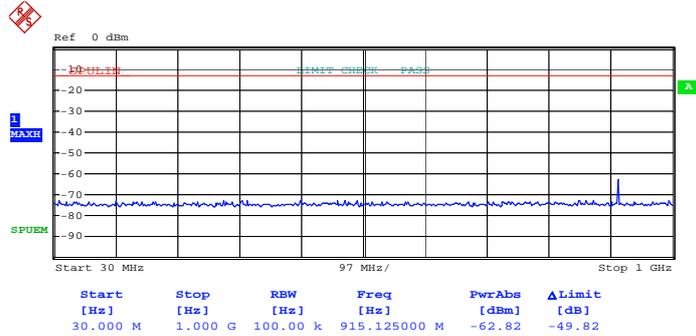


Date: 17.JUL.2012 16:17:10



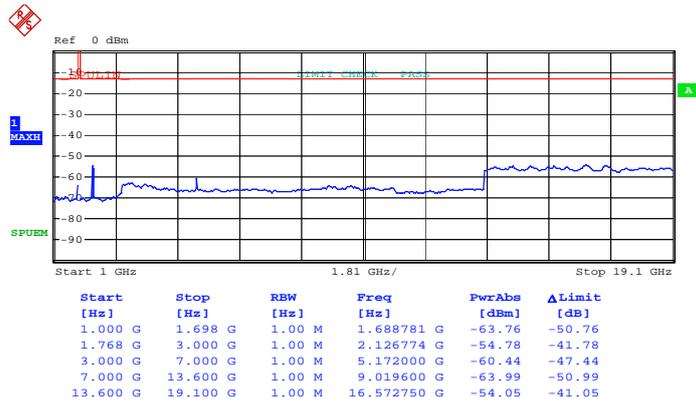
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:12:19

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

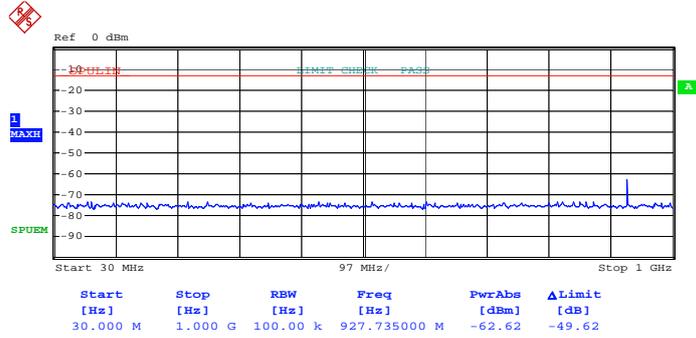


Date: 17.JUL.2012 16:14:26



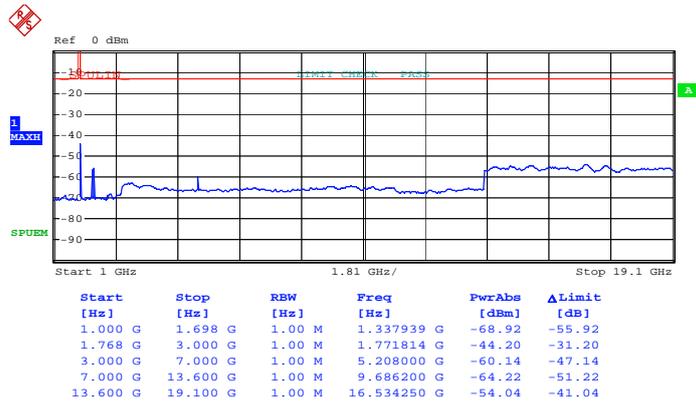
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
Frequency :	1745	Channel :	20300

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 17:14:46

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

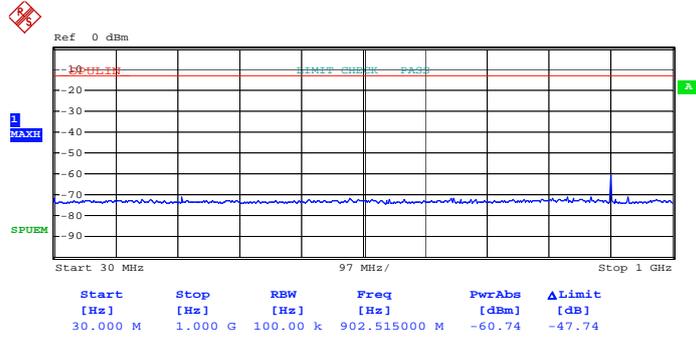


Date: 17.JUL.2012 17:15:23



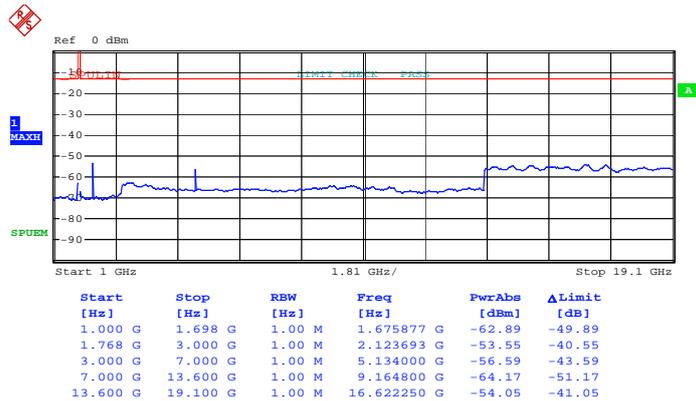
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
Frequency :	1720	Channel :	20050

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 0)**



Date: 17.JUL.2012 16:27:31

**Conducted Emission Plot (1GHz ~ 19.1GHz) for
16-QAM (RB Size 1, RB Offset 0)**

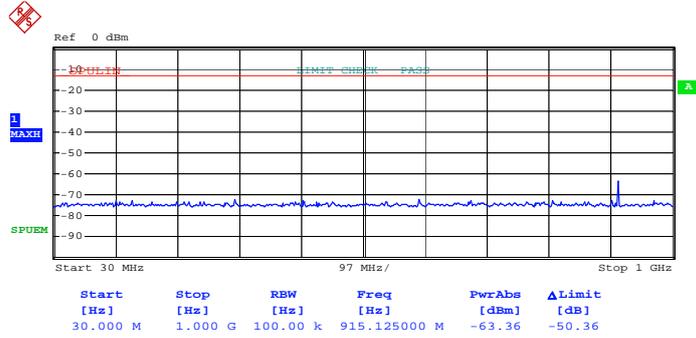


Date: 17.JUL.2012 16:17:38



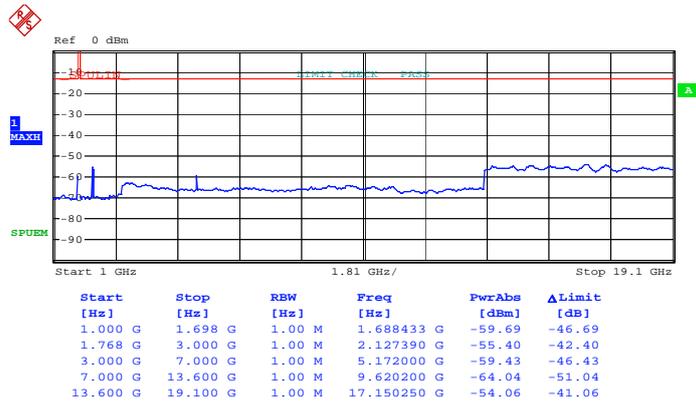
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 16:12:51

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

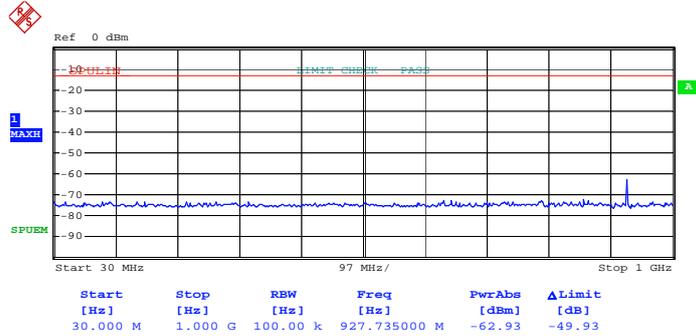


Date: 17.JUL.2012 16:14:01



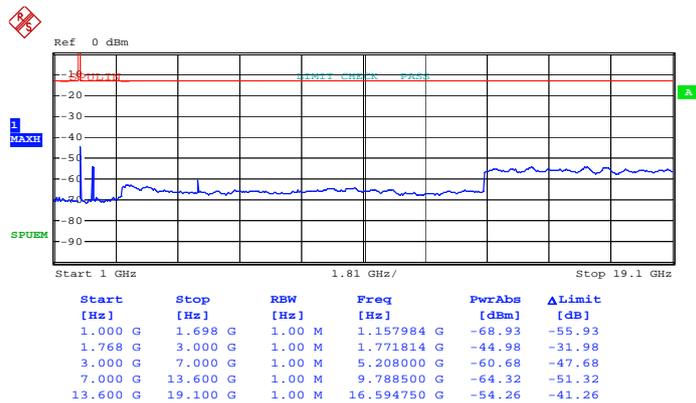
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
Frequency :	1745	Channel :	20300

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 17:14:04

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

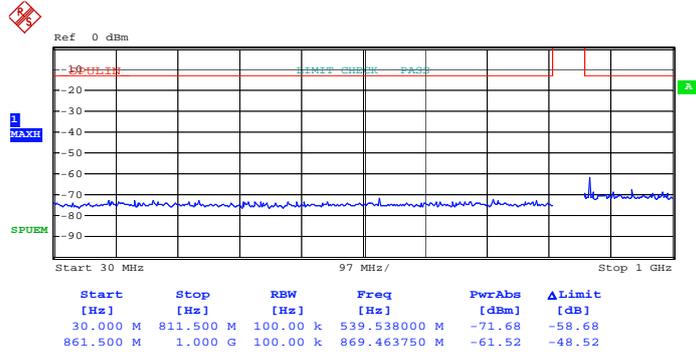


Date: 17.JUL.2012 17:16:00



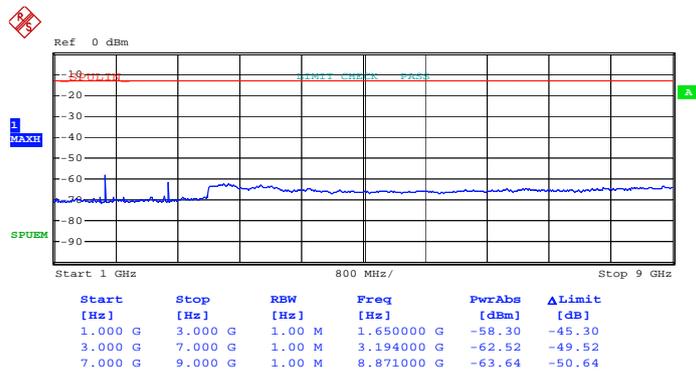
Band :	LTE Band 5	BW / Mod. :	1.4MHz / QPSK
Frequency :	824.7	Channel :	20407

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 3, RB Offset 2)



Date: 17.JUL.2012 19:21:57

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 3, RB Offset 2)

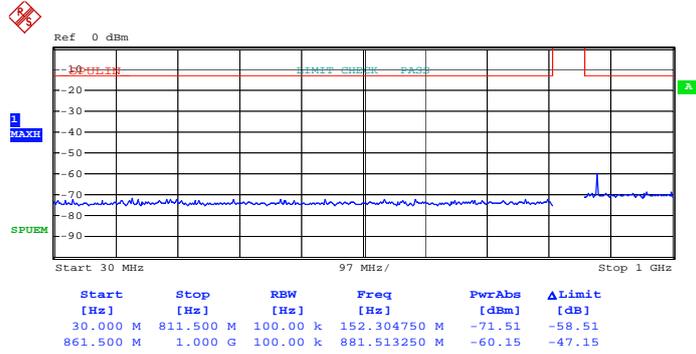


Date: 17.JUL.2012 19:22:48



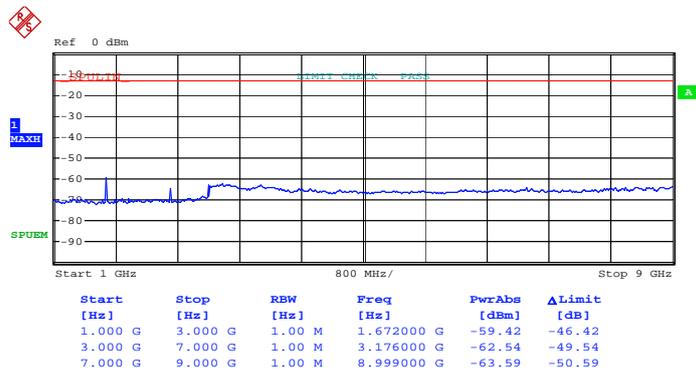
Band :	LTE Band 5	BW / Mod. :	1.4MHz / QPSK
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:17:10

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

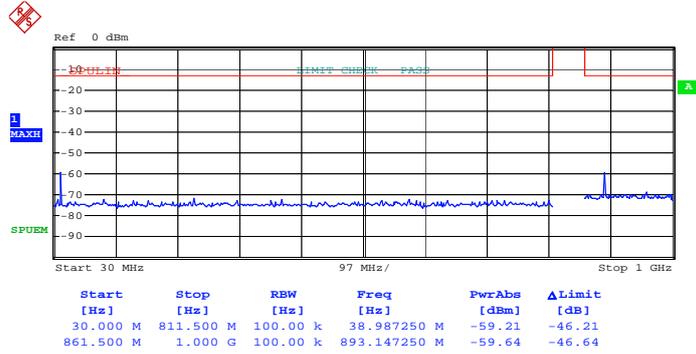


Date: 17.JUL.2012 18:16:12



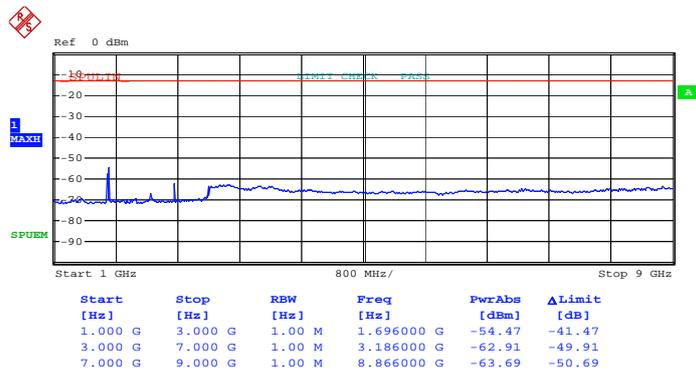
Band :	LTE Band 5	BW / Mod. :	1.4MHz / QPSK
Frequency :	848.3	Channel :	20643

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:26:20

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

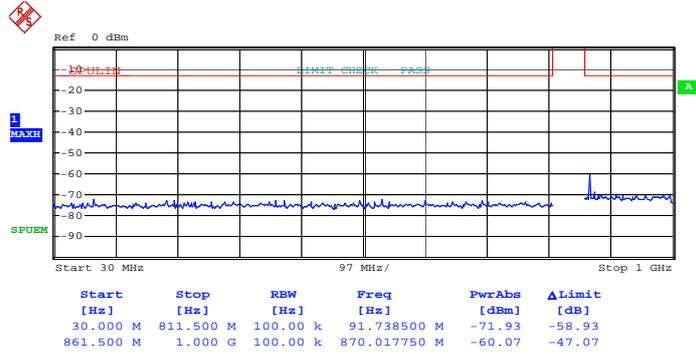


Date: 17.JUL.2012 19:25:46



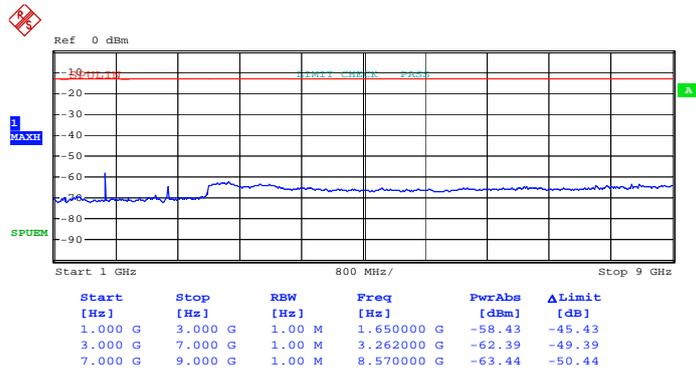
Band :	LTE Band 5	BW / Mod. :	1.4MHz / 16QAM
Frequency :	824.7	Channel :	20407

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 3, RB Offset 2)



Date: 17.JUL.2012 19:21:17

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 3, RB Offset 2)

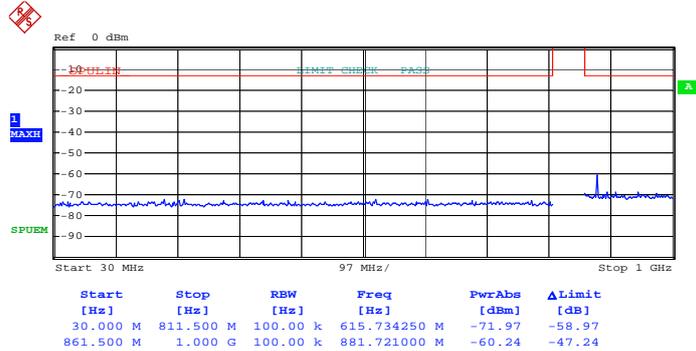


Date: 17.JUL.2012 19:23:15



Band :	LTE Band 5	BW / Mod. :	1.4MHz / 16QAM
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:17:44

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

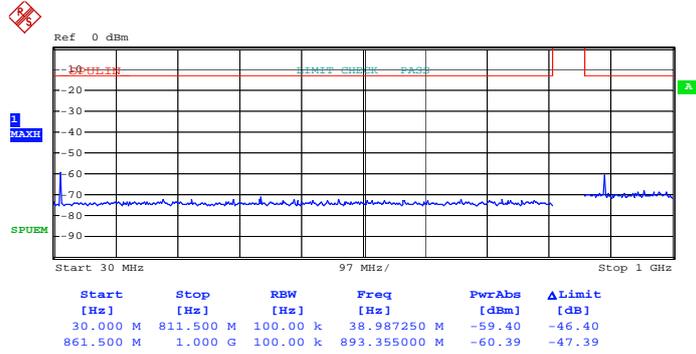


Date: 17.JUL.2012 18:15:35



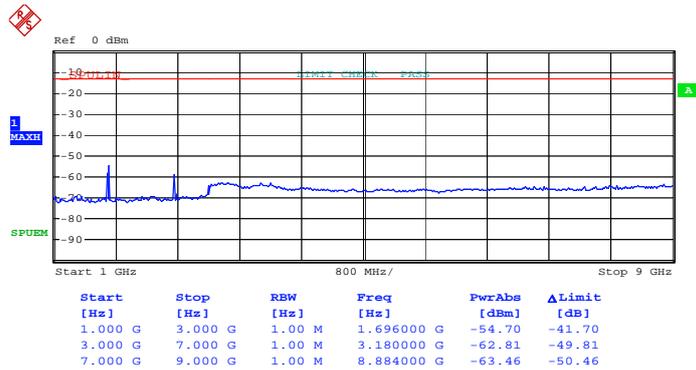
Band :	LTE Band 5	BW / Mod. :	1.4MHz / 16QAM
Frequency :	848.3	Channel :	20643

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 0)**



Date: 17.JUL.2012 19:27:03

**Conducted Emission Plot (1GHz ~ 9GHz) for
16-QAM (RB Size 1, RB Offset 0)**

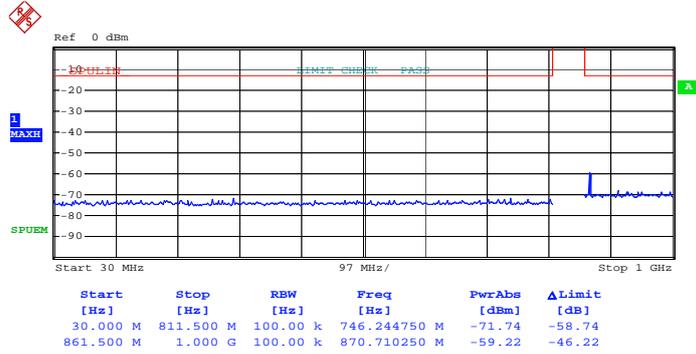


Date: 17.JUL.2012 19:25:18



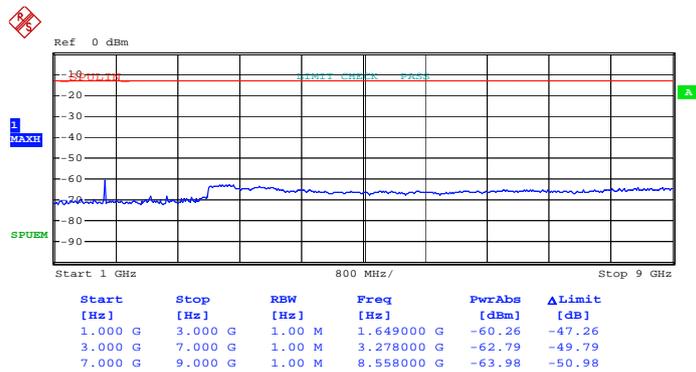
Band :	LTE Band 5	BW / Mod. :	3MHz / QPSK
Frequency :	825.5	Channel :	20415

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:19:25

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

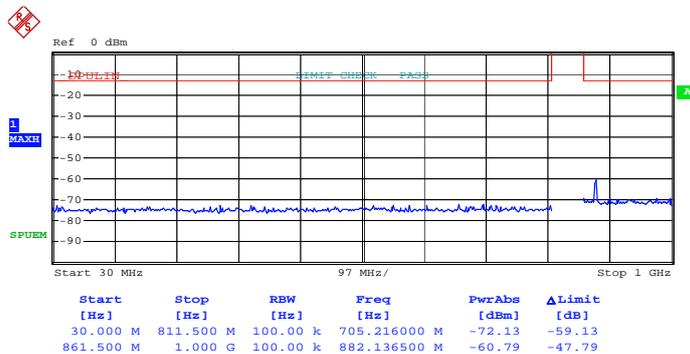


Date: 17.JUL.2012 19:18:30



Band :	LTE Band 5	BW / Mod. :	3MHz / QPSK
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:46:14

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

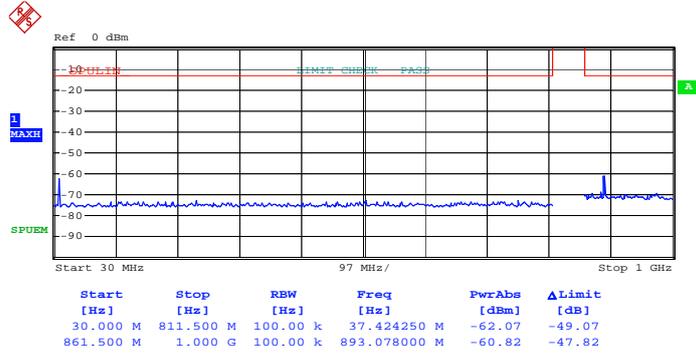


Date: 17.JUL.2012 18:46:47



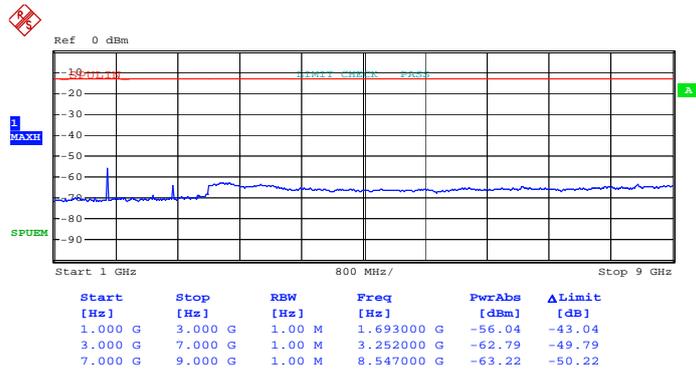
Band :	LTE Band 5	BW / Mod. :	3MHz / QPSK
Frequency :	847.5	Channel :	20635

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:28:38

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

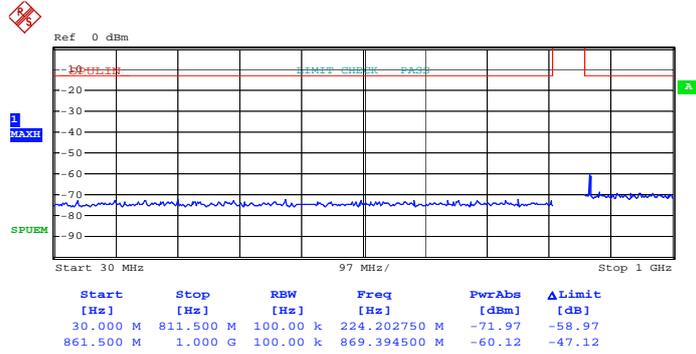


Date: 17.JUL.2012 19:29:04



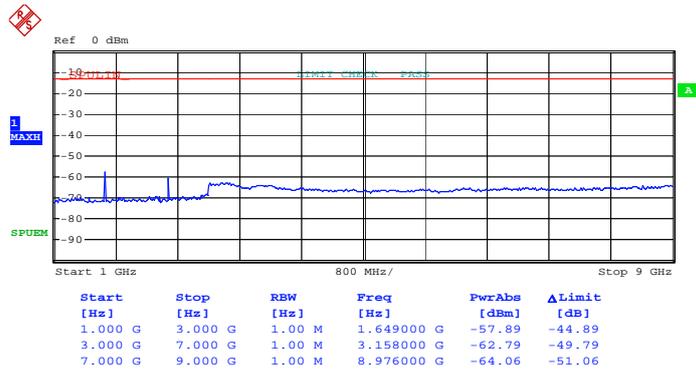
Band :	LTE Band 5	BW / Mod. :	3MHz / 16QAM
Frequency :	825.5	Channel :	20415

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:20:00

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

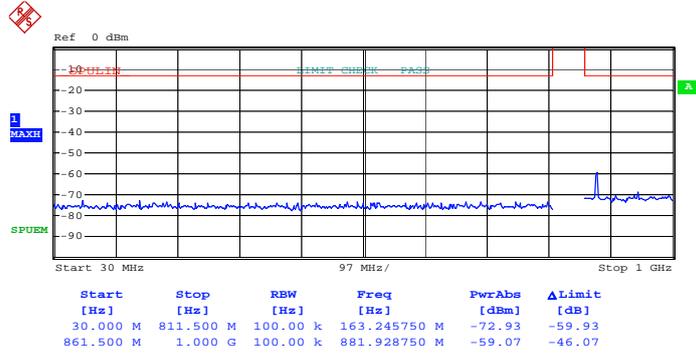


Date: 17.JUL.2012 19:17:56



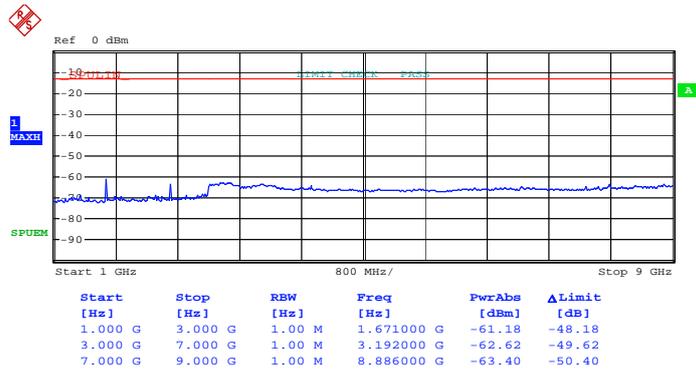
Band :	LTE Band 5	BW / Mod. :	3MHz / 16QAM
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:45:46

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

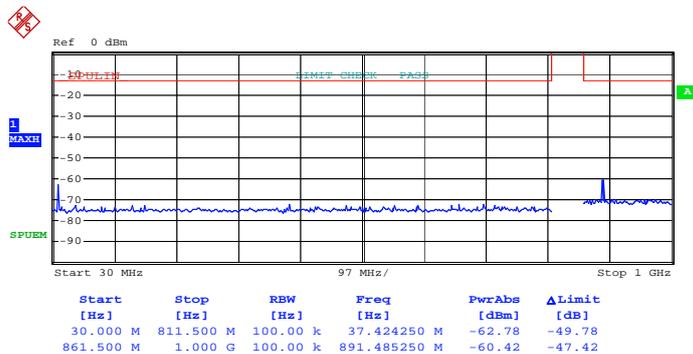


Date: 17.JUL.2012 18:47:11



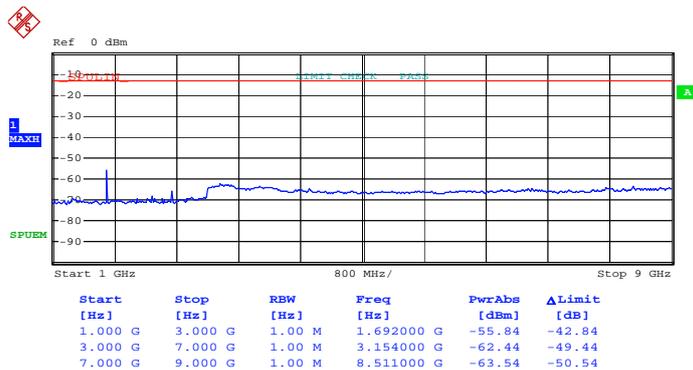
Band :	LTE Band 5	BW / Mod. :	3MHz / 16QAM
Frequency :	847.5	Channel :	20635

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:28:02

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

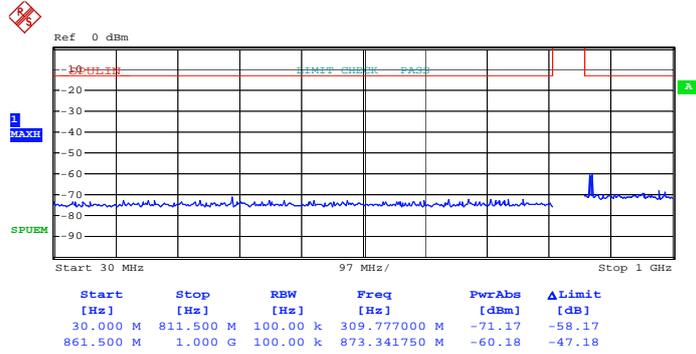


Date: 17.JUL.2012 19:29:27



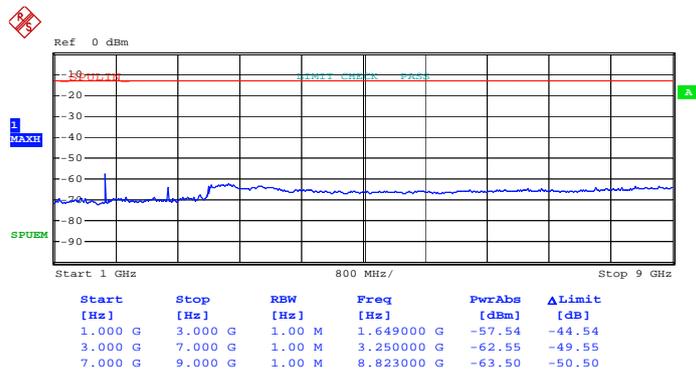
Band :	LTE Band 5	BW / Mod. :	5MHz / QPSK
Frequency :	826.5	Channel :	20425

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:15:29

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

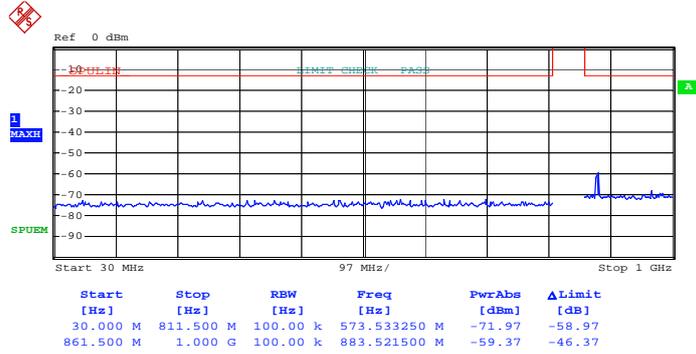


Date: 17.JUL.2012 19:16:11



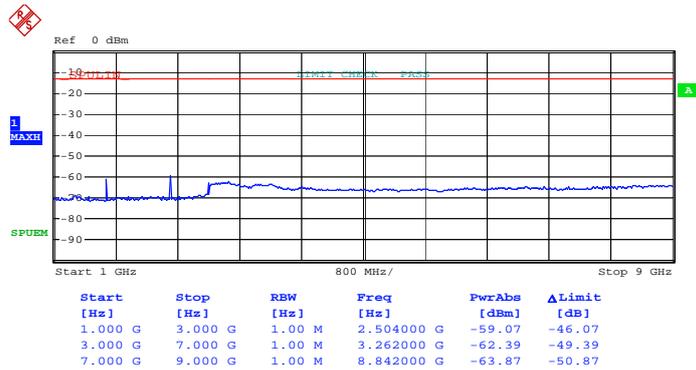
Band :	LTE Band 5	BW / Mod. :	5MHz / QPSK
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:49:06

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:48:20



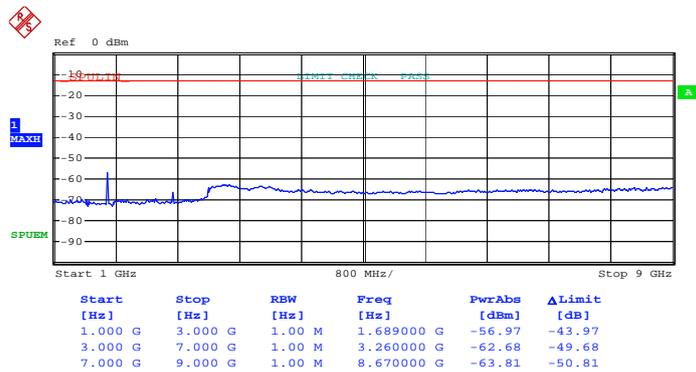
Band :	LTE Band 5	BW / Mod. :	5MHz / QPSK
Frequency :	846.5	Channel :	20625

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:31:44

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

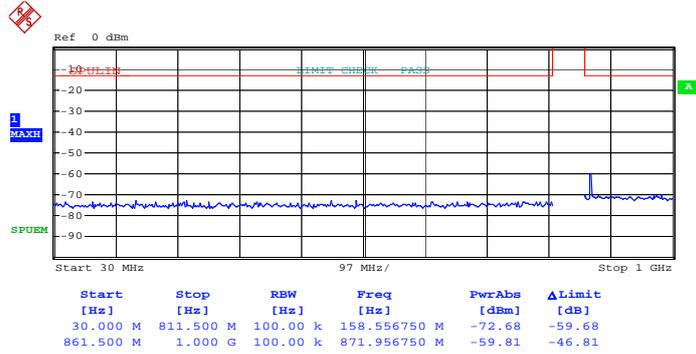


Date: 17.JUL.2012 19:30:57



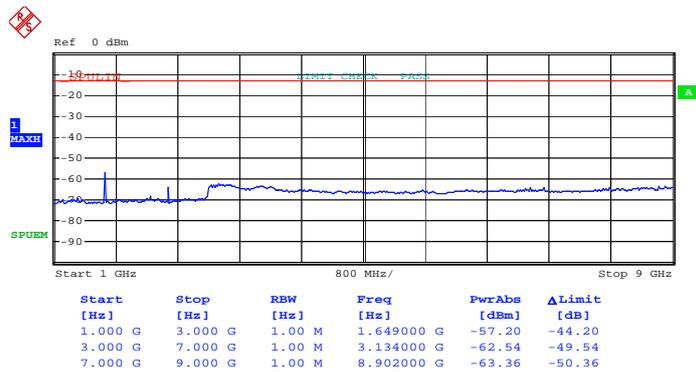
Band :	LTE Band 5	BW / Mod. :	5MHz / 16QAM
Frequency :	826.5	Channel :	20425

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 0)**



Date: 17.JUL.2012 19:14:53

**Conducted Emission Plot (1GHz ~ 9GHz) for
16-QAM (RB Size 1, RB Offset 0)**

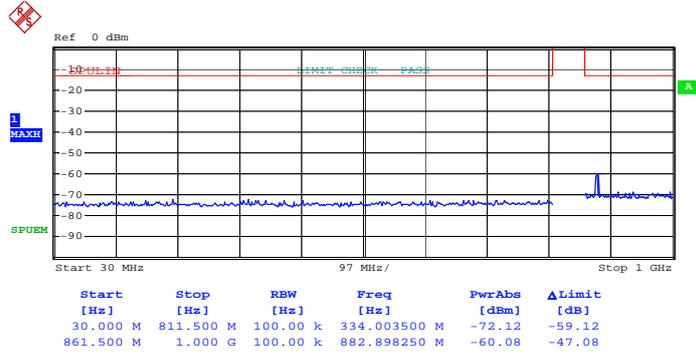


Date: 17.JUL.2012 19:16:43



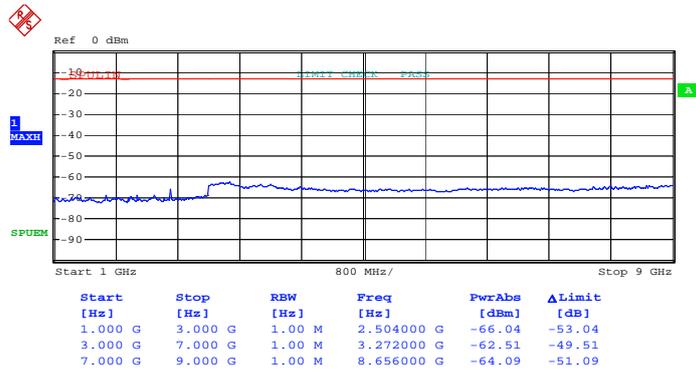
Band :	LTE Band 5	BW / Mod. :	5MHz / 16QAM
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:49:38

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

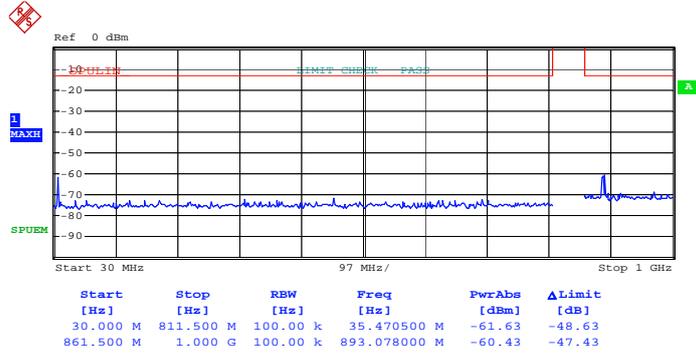


Date: 17.JUL.2012 18:47:42



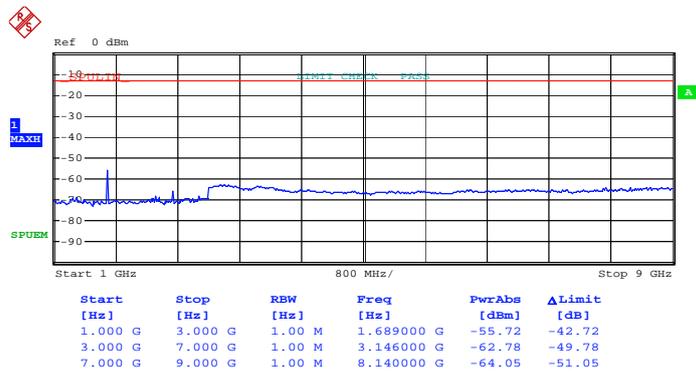
Band :	LTE Band 5	BW / Mod. :	5MHz / 16QAM
Frequency :	846.5	Channel :	20625

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:32:26

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:30:22



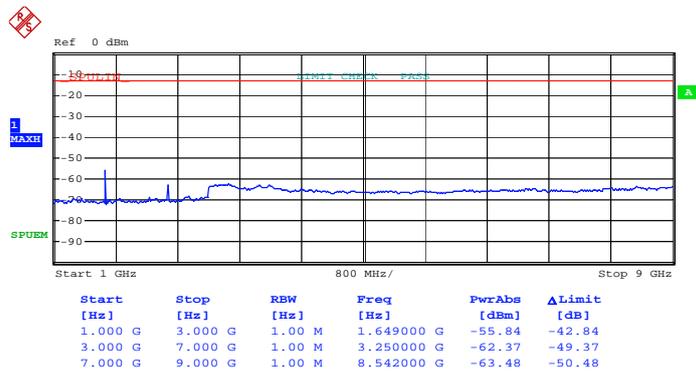
Band :	LTE Band 5	BW / Mod. :	10MHz / QPSK
Frequency :	829	Channel :	20450

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:05:10

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

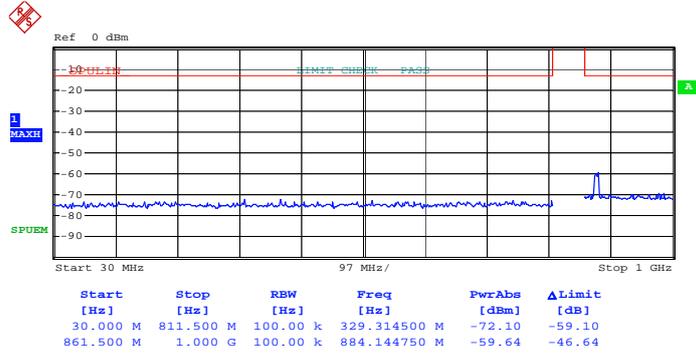


Date: 17.JUL.2012 19:04:26



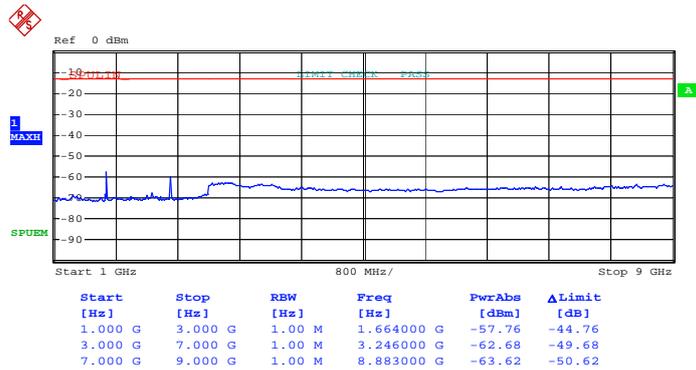
Band :	LTE Band 5	BW / Mod. :	10MHz / QPSK
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:50:56

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

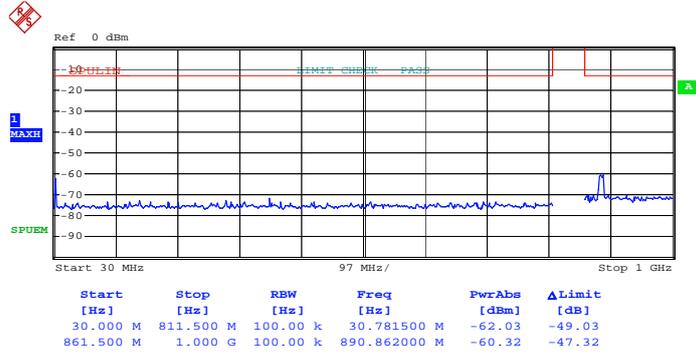


Date: 17.JUL.2012 18:51:40



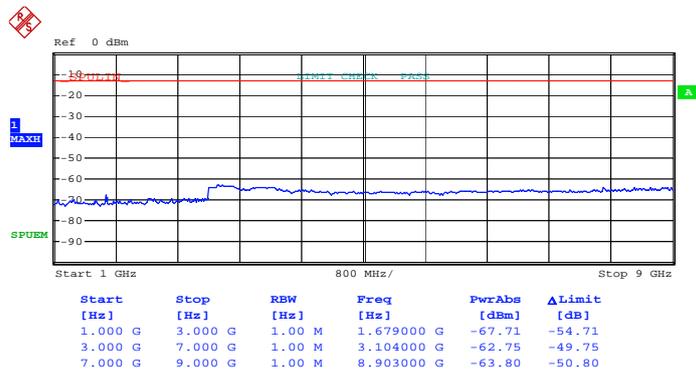
Band :	LTE Band 5	BW / Mod. :	10MHz / QPSK
Frequency :	844	Channel :	20600

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:33:39

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

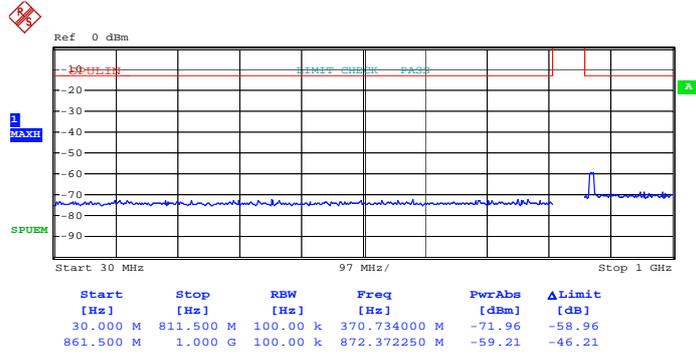


Date: 17.JUL.2012 19:34:41



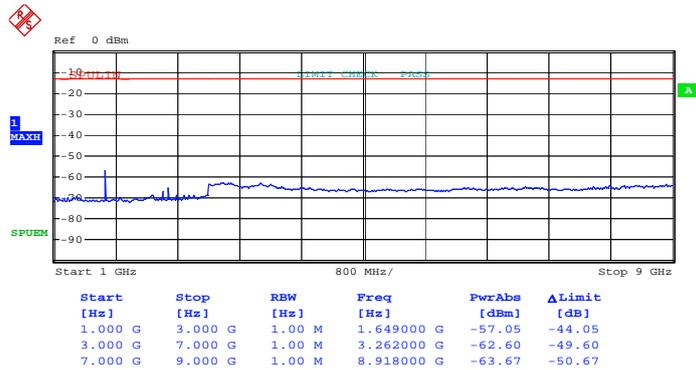
Band :	LTE Band 5	BW / Mod. :	10MHz / 16QAM
Frequency :	829	Channel :	20450

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:05:50

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

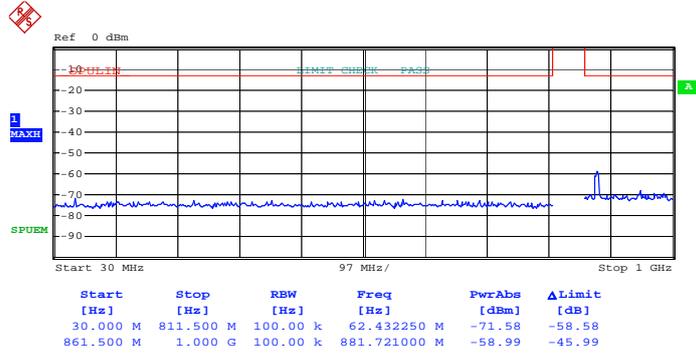


Date: 17.JUL.2012 19:03:59



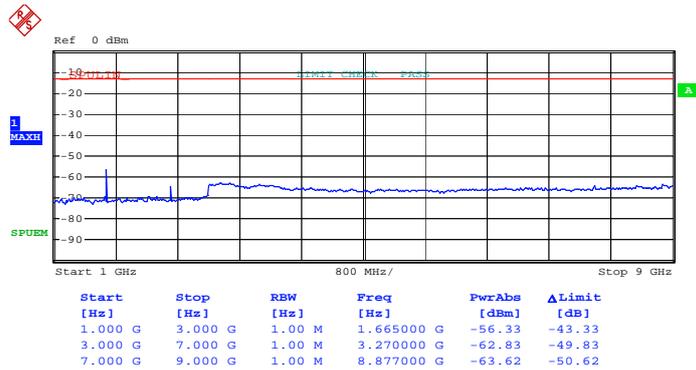
Band :	LTE Band 5	BW / Mod. :	10MHz / 16QAM
Frequency :	836.5	Channel :	20525

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 18:50:31

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

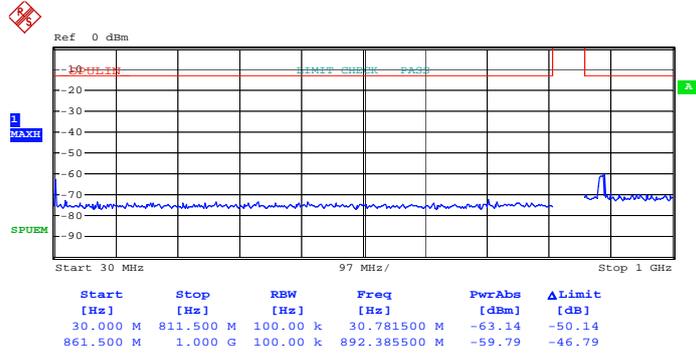


Date: 17.JUL.2012 18:52:00



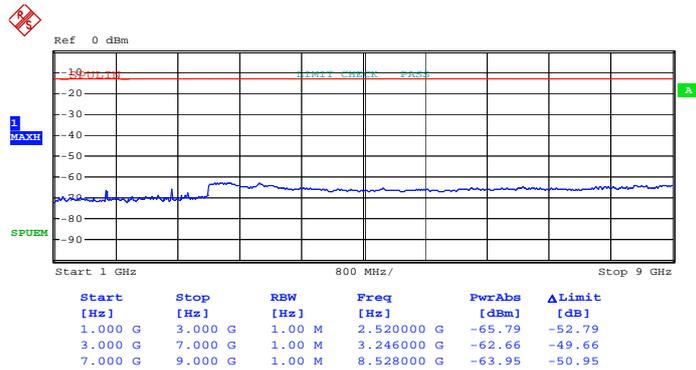
Band :	LTE Band 5	BW / Mod. :	10MHz / 16QAM
Frequency :	844	Channel :	20600

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 19:33:57

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

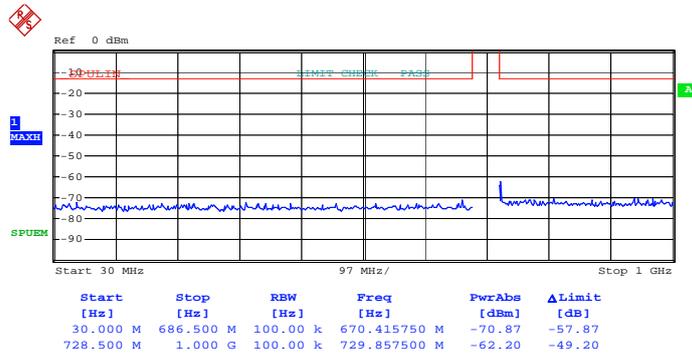


Date: 17.JUL.2012 19:34:26



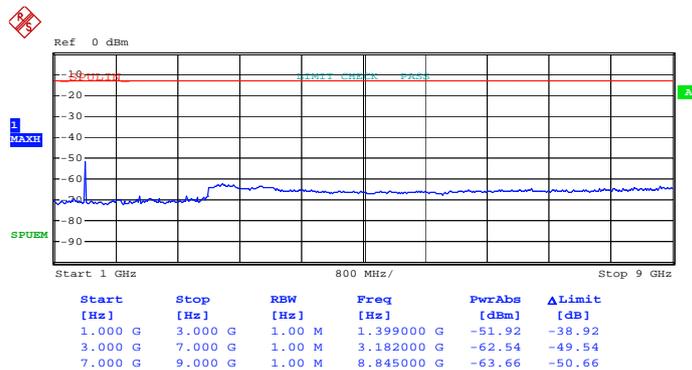
Band :	LTE Band 12	BW / Mod. :	1.4MHz / QPSK
Frequency :	699.7	Channel :	23017

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:29:35

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

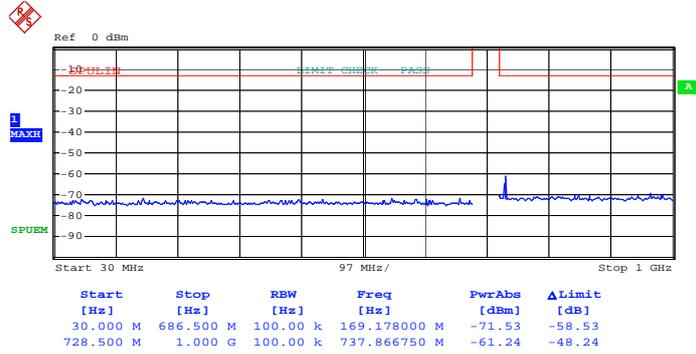


Date: 17.JUL.2012 20:30:45



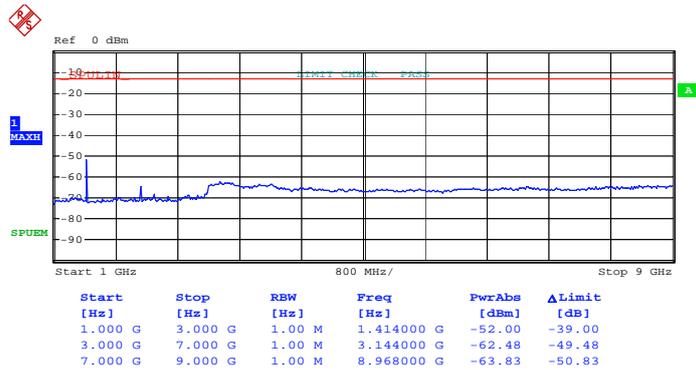
Band :	LTE Band 12	BW / Mod. :	1.4MHz / QPSK
Frequency :	707.5	Channel :	23095

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:26:02

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

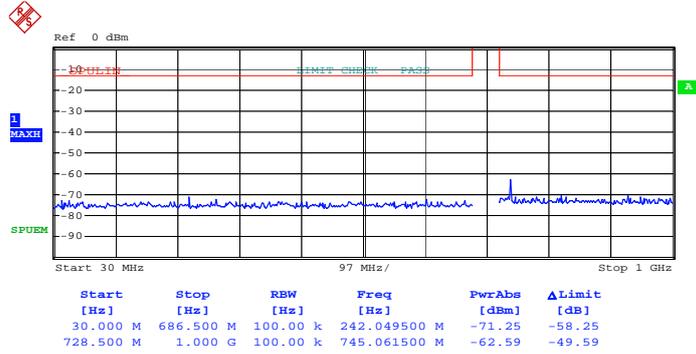


Date: 17.JUL.2012 20:23:46



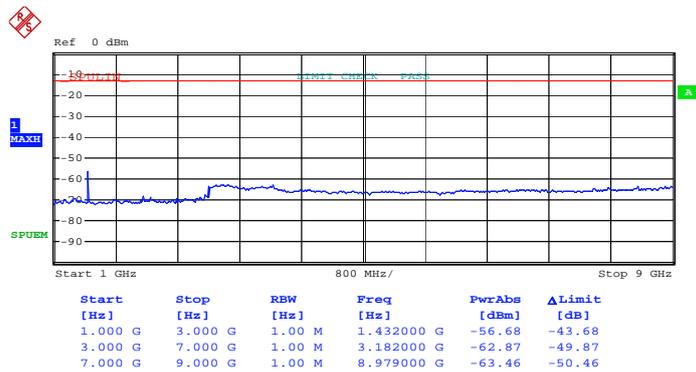
Band :	LTE Band 12	BW / Mod. :	1.4MHz / QPSK
Frequency :	715.3	Channel :	23173

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 17.JUL.2012 20:55:42

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 17.JUL.2012 20:56:25



Band :	LTE Band 12	BW / Mod. :	1.4MHz / 16QAM
Frequency :	699.7	Channel :	23017

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:29:59

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

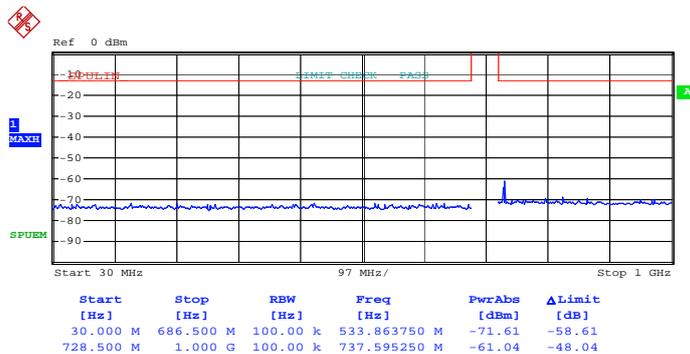


Date: 17.JUL.2012 20:30:25



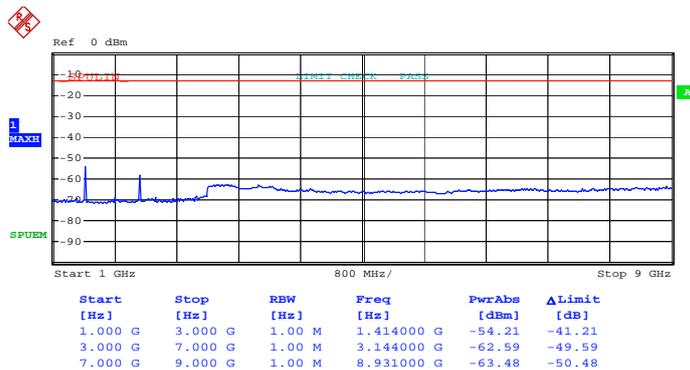
Band :	LTE Band 12	BW / Mod. :	1.4MHz / 16QAM
Frequency :	707.5	Channel :	23095

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:25:23

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

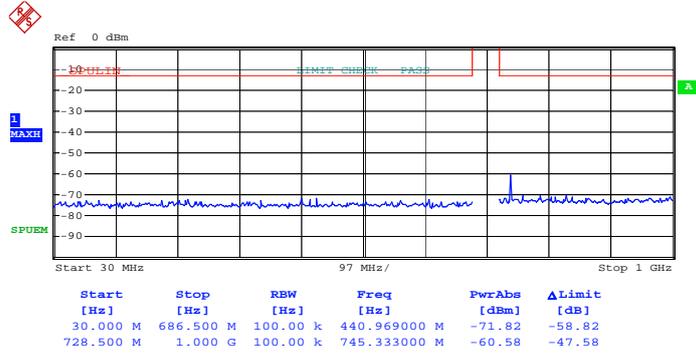


Date: 17.JUL.2012 20:24:23



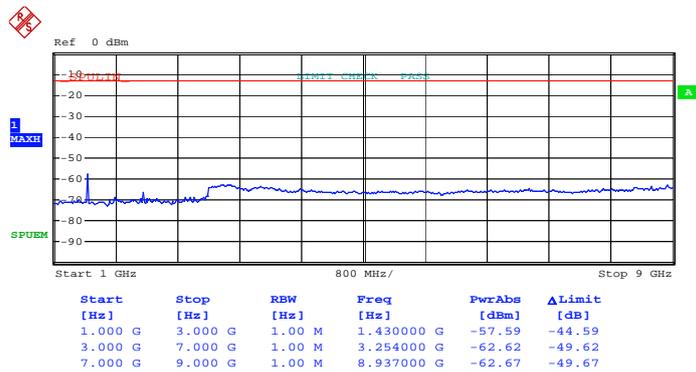
Band :	LTE Band 12	BW / Mod. :	1.4MHz / 16QAM
Frequency :	715.3	Channel :	23173

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:57:29

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

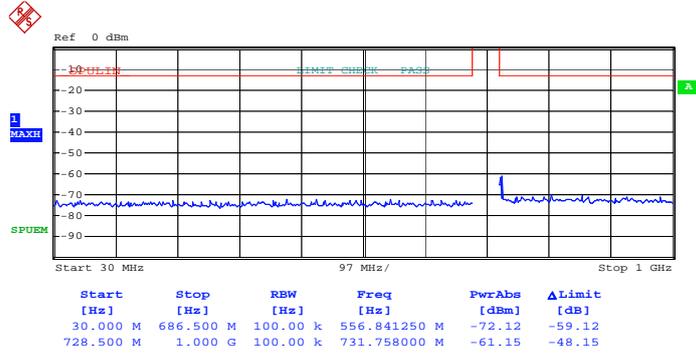


Date: 17.JUL.2012 20:56:58



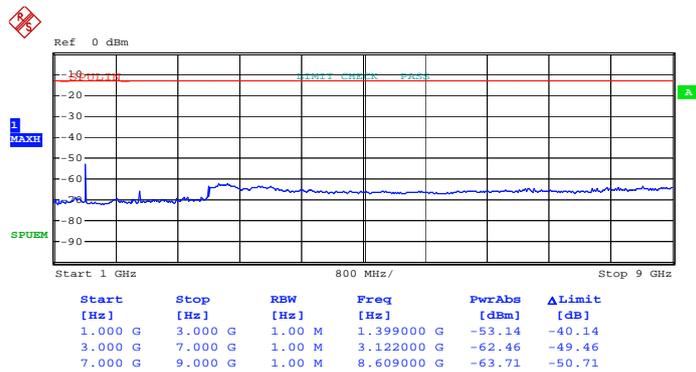
Band :	LTE Band 12	BW / Mod. :	3MHz / QPSK
Frequency :	700.5	Channel :	23025

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:33:10

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

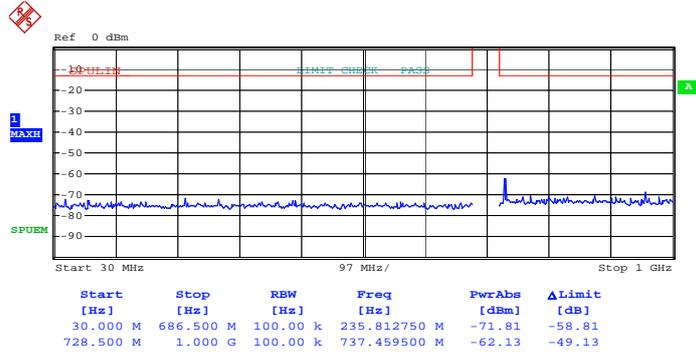


Date: 17.JUL.2012 20:31:43



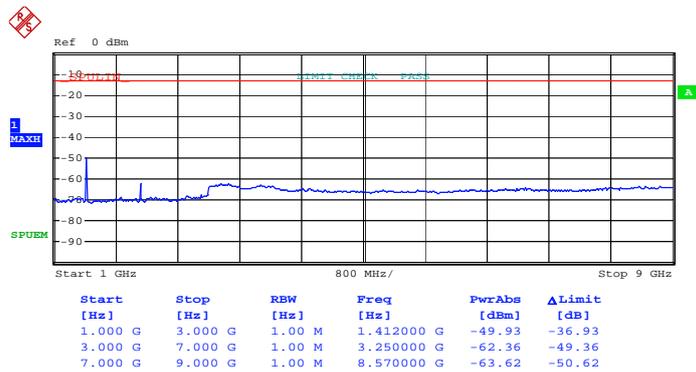
Band :	LTE Band 12	BW / Mod. :	3MHz / QPSK
Frequency :	707.5	Channel :	23095

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:15:34

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

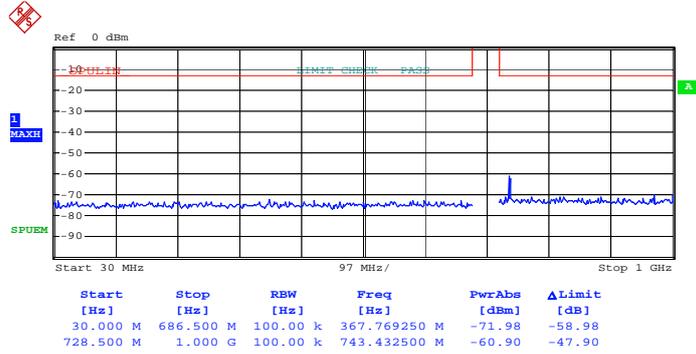


Date: 17.JUL.2012 20:17:27



Band :	LTE Band 12	BW / Mod. :	3MHz / QPSK
Frequency :	714.5	Channel :	23165

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 14)



Date: 17.JUL.2012 20:52:42

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 14)

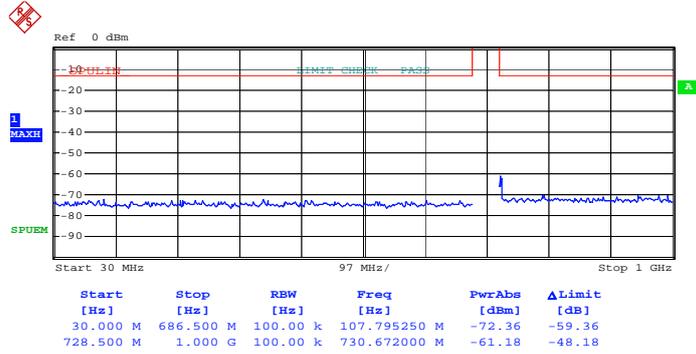


Date: 17.JUL.2012 20:53:14



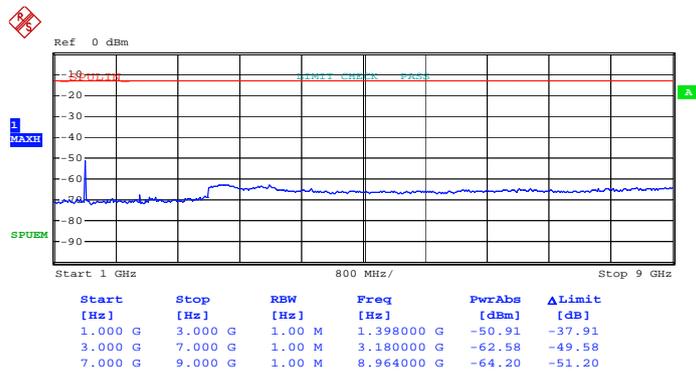
Band :	LTE Band 12	BW / Mod. :	3MHz / 16QAM
Frequency :	700.5	Channel :	23025

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:32:41

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

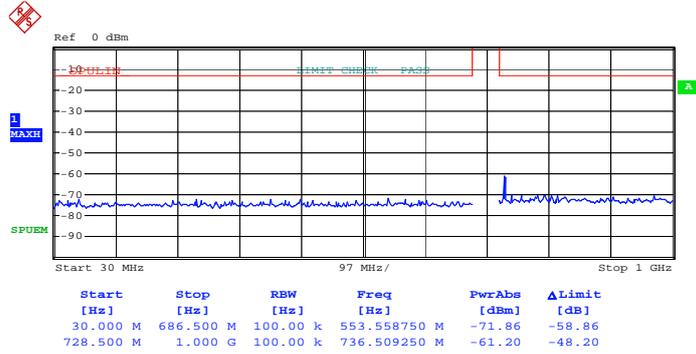


Date: 17.JUL.2012 20:32:10



Band :	LTE Band 12	BW / Mod. :	3MHz / 16QAM
Frequency :	707.5	Channel :	23095

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:15:59

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

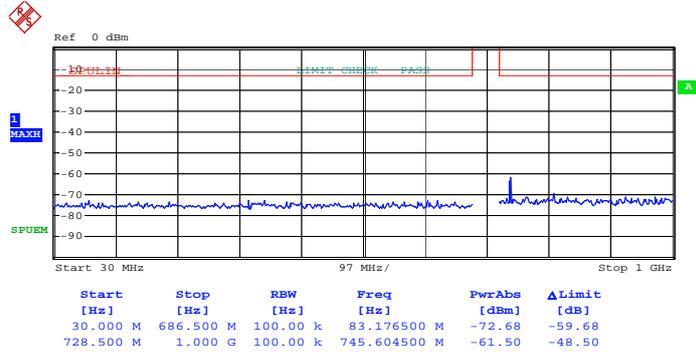


Date: 17.JUL.2012 20:16:36



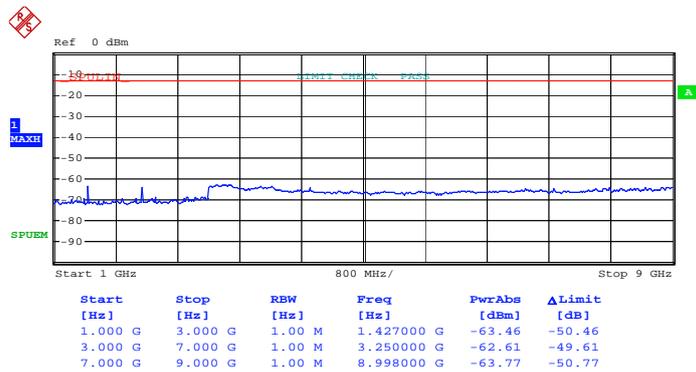
Band :	LTE Band 12	BW / Mod. :	3MHz / 16QAM
Frequency :	714.5	Channel :	23165

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:54:29

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

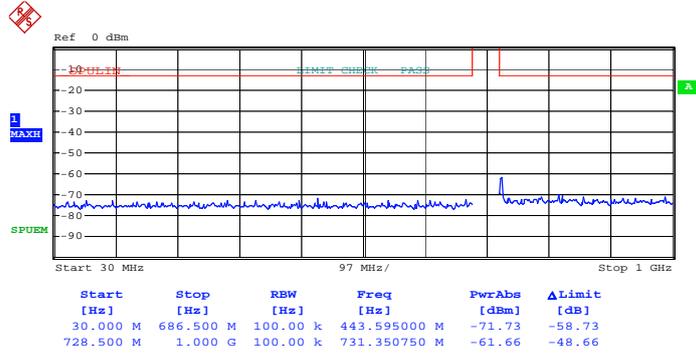


Date: 17.JUL.2012 20:53:51



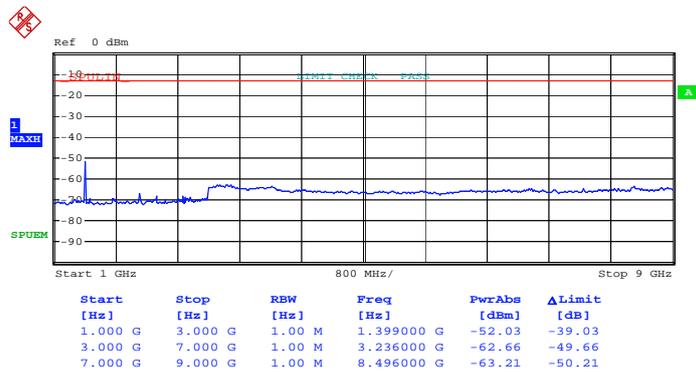
Band :	LTE Band 12	BW / Mod. :	5MHz / QPSK
Frequency :	701.5	Channel :	23035

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:34:25

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

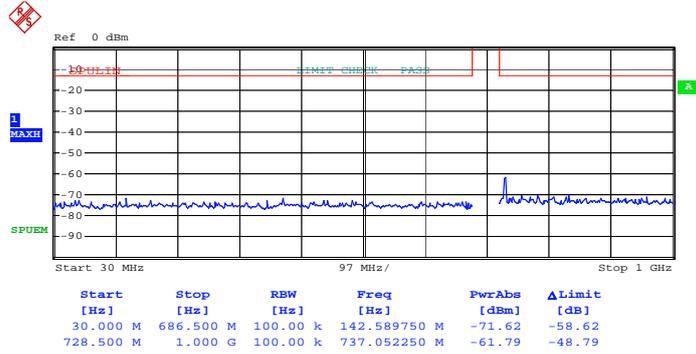


Date: 17.JUL.2012 20:36:10



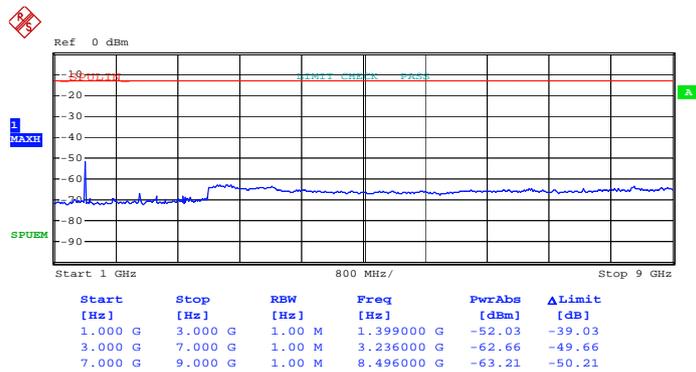
Band :	LTE Band 12	BW / Mod. :	5MHz / QPSK
Frequency :	707.5	Channel :	23095

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:12:48

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

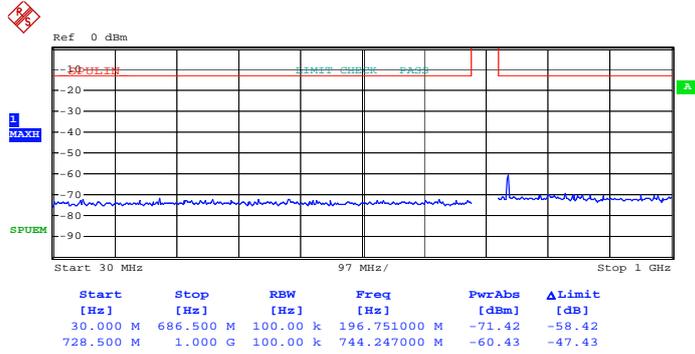


Date: 17.JUL.2012 20:36:10



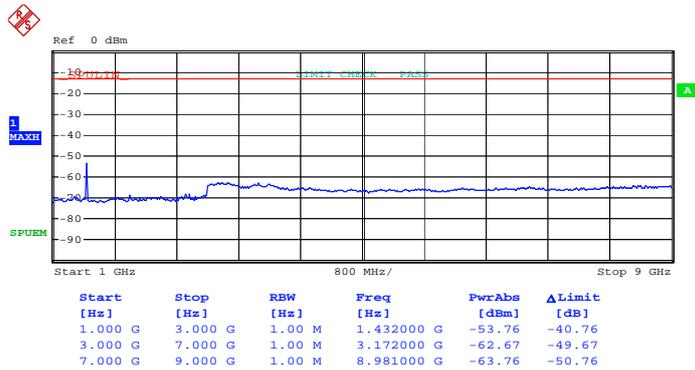
Band :	LTE Band 12	BW / Mod. :	5MHz / QPSK
Frequency :	713.5	Channel :	23155

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 24)



Date: 17.JUL.2012 20:51:05

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 24)

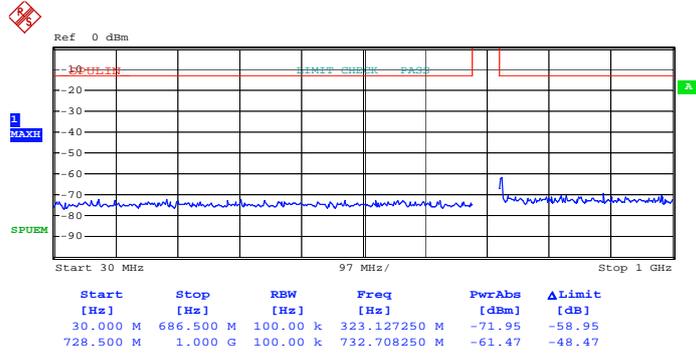


Date: 17.JUL.2012 20:49:08



Band :	LTE Band 12	BW / Mod. :	5MHz / 16QAM
Frequency :	701.5	Channel :	23035

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:34:56

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

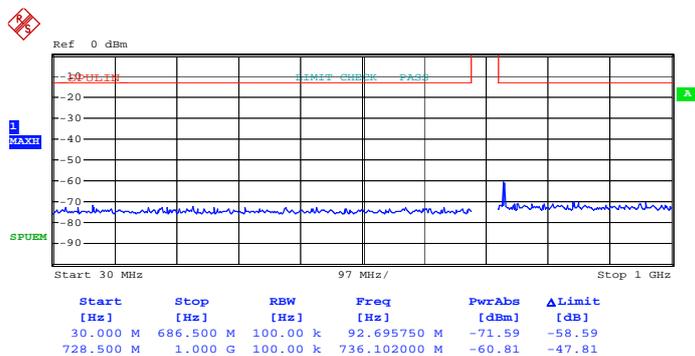


Date: 17.JUL.2012 20:35:42



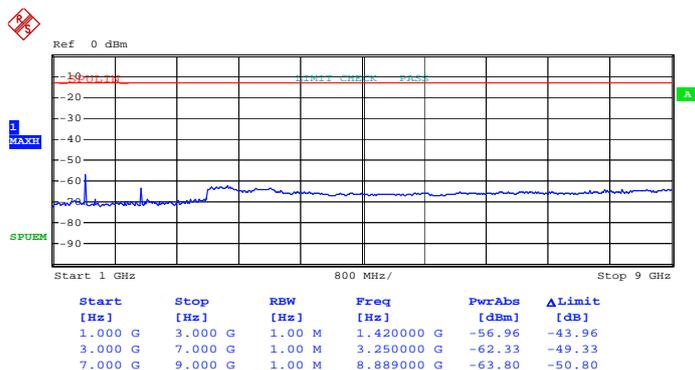
Band :	LTE Band 12	BW / Mod. :	5MHz / 16QAM
Frequency :	707.5	Channel :	23095

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 24)**



Date: 17.JUL.2012 20:12:20

**Conducted Emission Plot (1GHz ~ 9GHz) for
16-QAM (RB Size 1, RB Offset 24)**

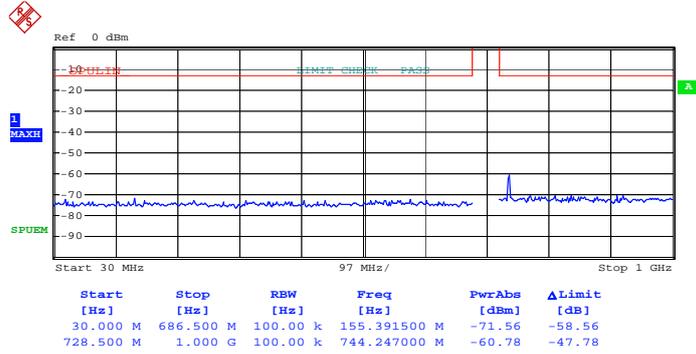


Date: 17.JUL.2012 20:11:48



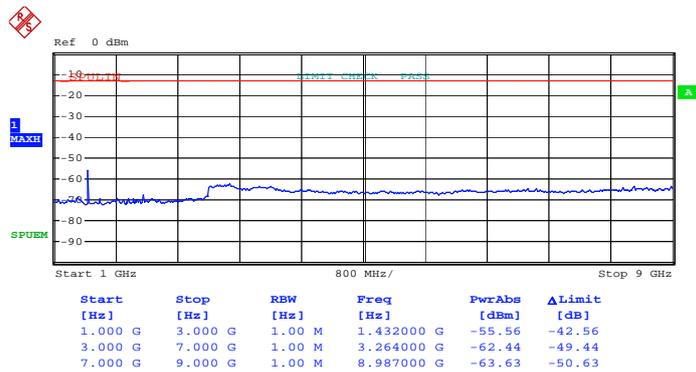
Band :	LTE Band 12	BW / Mod. :	5MHz / 16QAM
Frequency :	713.5	Channel :	23155

**Conducted Emission Plot (30MHz ~ 1GHz) for
16-QAM (RB Size 1, RB Offset 24)**



Date: 17.JUL.2012 20:49:45

**Conducted Emission Plot (1GHz ~ 9GHz) for
16-QAM (RB Size 1, RB Offset 24)**

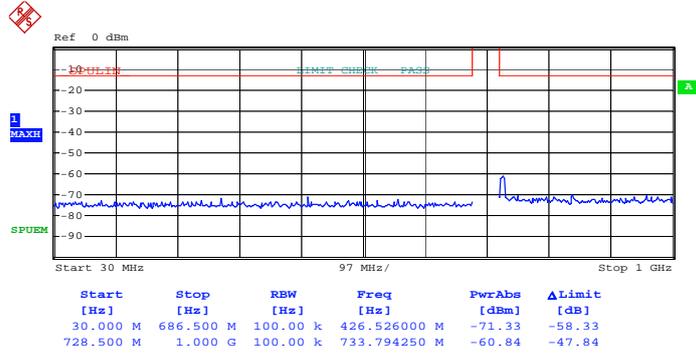


Date: 17.JUL.2012 20:48:30



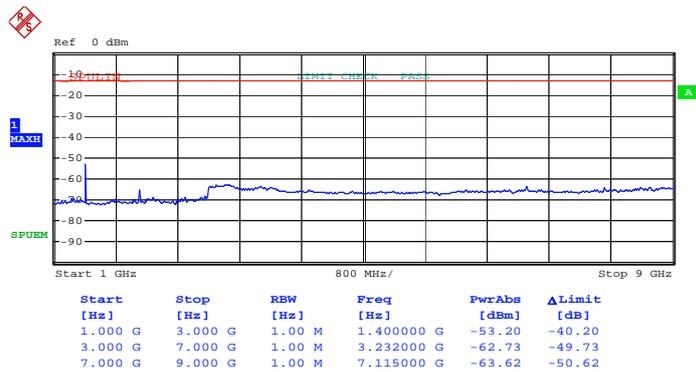
Band :	LTE Band 12	BW / Mod. :	10MHz / QPSK
Frequency :	704	Channel :	23060

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:38:18

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

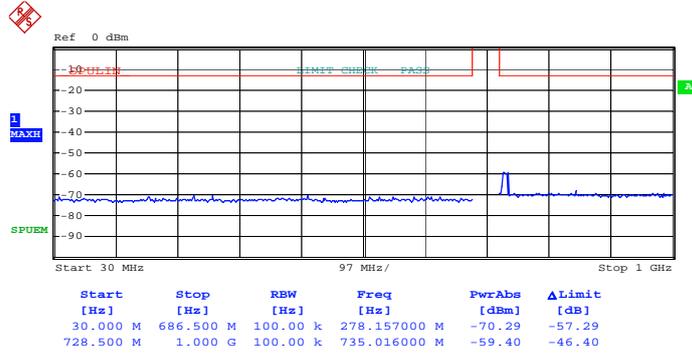


Date: 17.JUL.2012 20:37:04



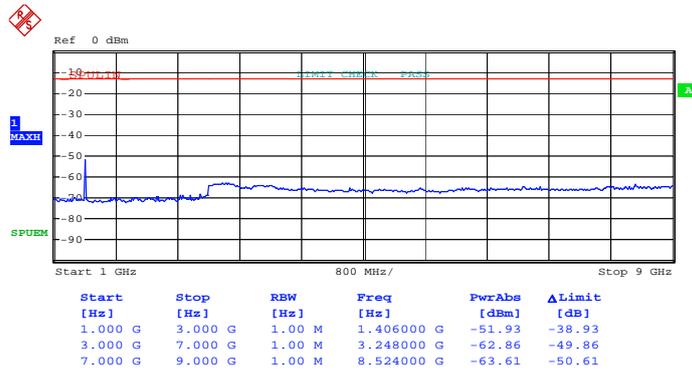
Band :	LTE Band 12	BW / Mod. :	10MHz / QPSK
Frequency :	707.5	Channel :	23095

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:09:15

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 0)

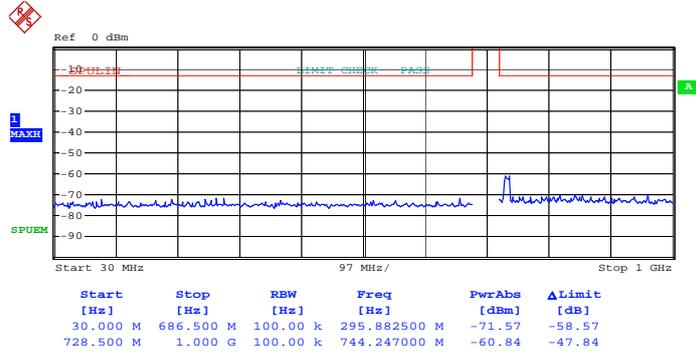


Date: 17.JUL.2012 20:10:35



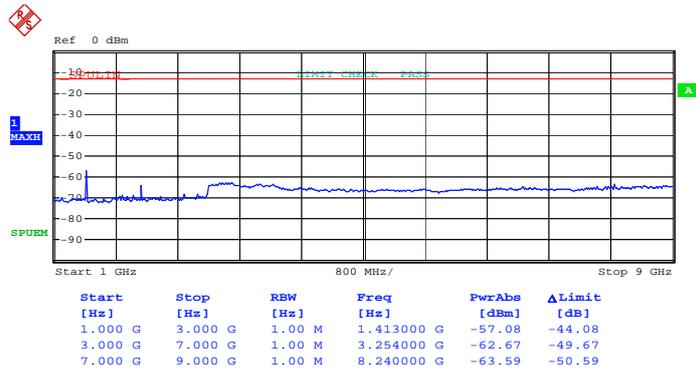
Band :	LTE Band 12	BW / Mod. :	10MHz / QPSK
Frequency :	711	Channel :	23130

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 49)



Date: 17.JUL.2012 20:45:09

Conducted Emission Plot (1GHz ~ 9GHz) for QPSK (RB Size 1, RB Offset 49)

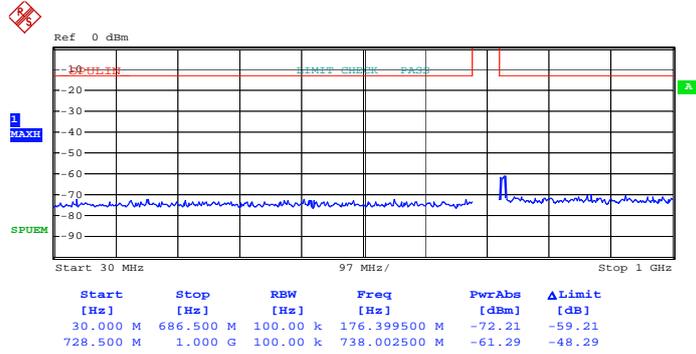


Date: 17.JUL.2012 20:46:29



Band :	LTE Band 12	BW / Mod. :	10MHz / 16QAM
Frequency :	704	Channel :	23060

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:37:56

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

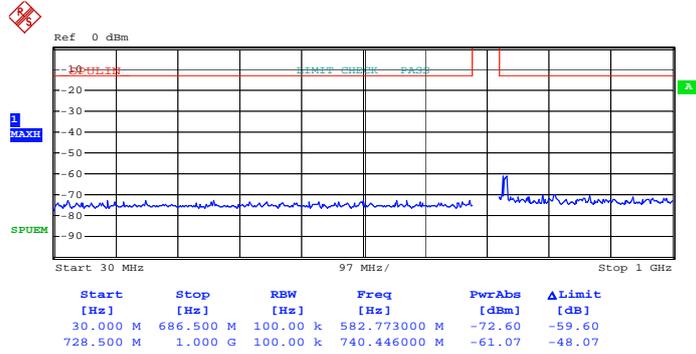


Date: 17.JUL.2012 20:37:31



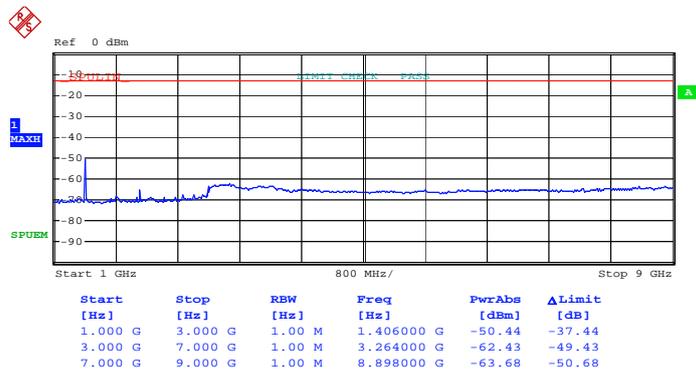
Band :	LTE Band 12	BW / Mod. :	10MHz / 16QAM
Frequency :	707.5	Channel :	23095

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 17.JUL.2012 20:09:36

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)

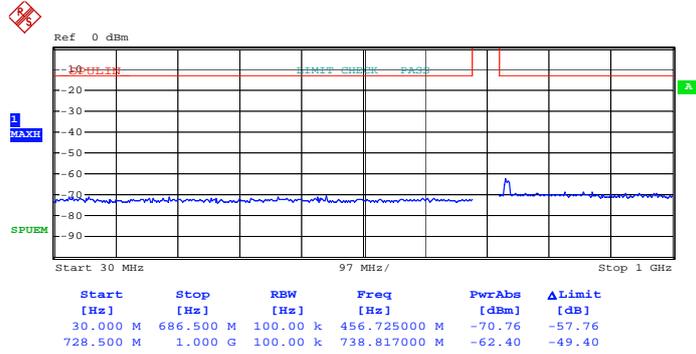


Date: 17.JUL.2012 20:10:15



Band :	LTE Band 12	BW / Mod. :	10MHz / 16QAM
Frequency :	711	Channel :	23130

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 23.JUL.2012 14:12:29

Conducted Emission Plot (1GHz ~ 9GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 23.JUL.2012 14:13:37

3.5 Radiated Emissions Measurement

3.5.1 Description of Radiated Emissions Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.5.2 Measuring Instruments

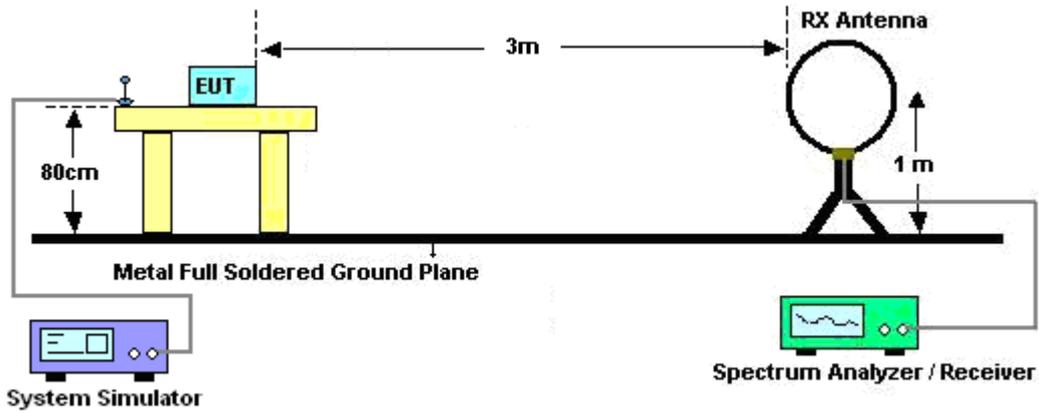
See list of measuring instruments of this test report.

3.5.3 Test Procedures

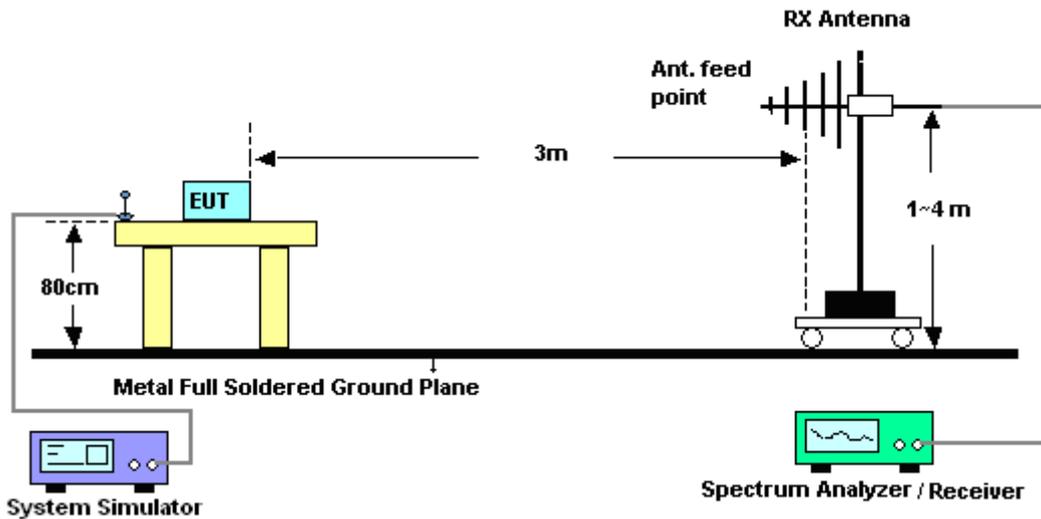
1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 1MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Emission level (dBm) = output power + substitution Gain.

3.5.4 Test Setup

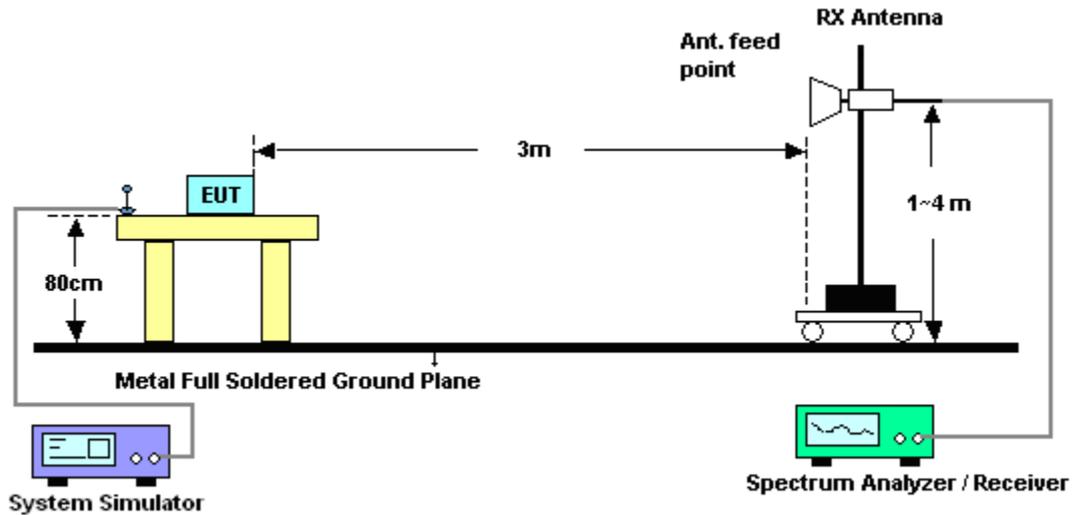
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



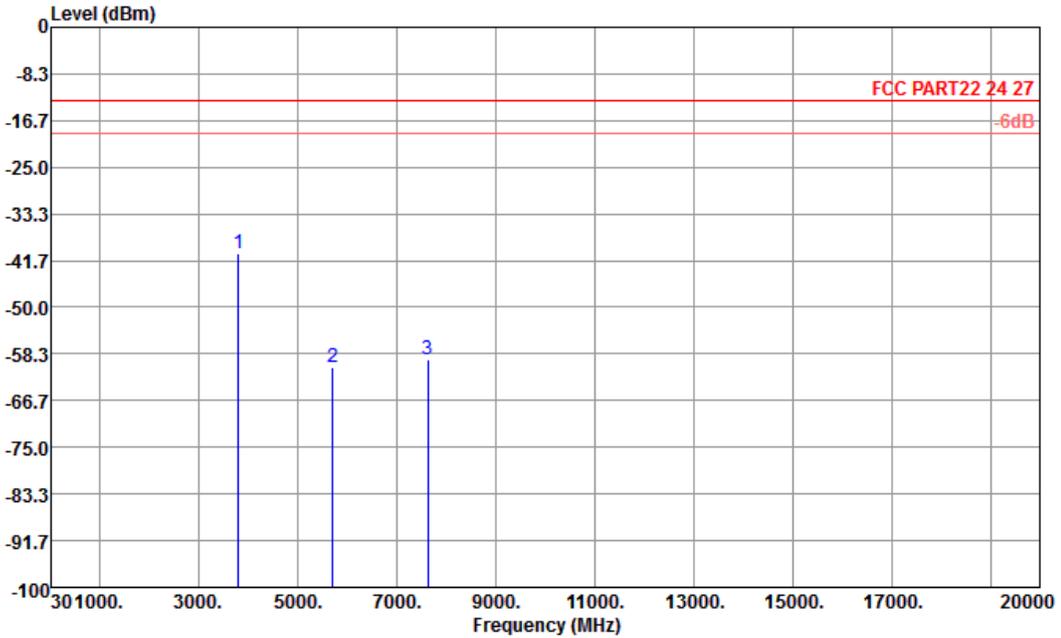
3.5.5 Test Results of Radiated Emissions (9 KHz ~ 30 MHz)

The low frequency, which started from 9 KHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.



3.5.6 Test Result of Radiated Emissions

Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



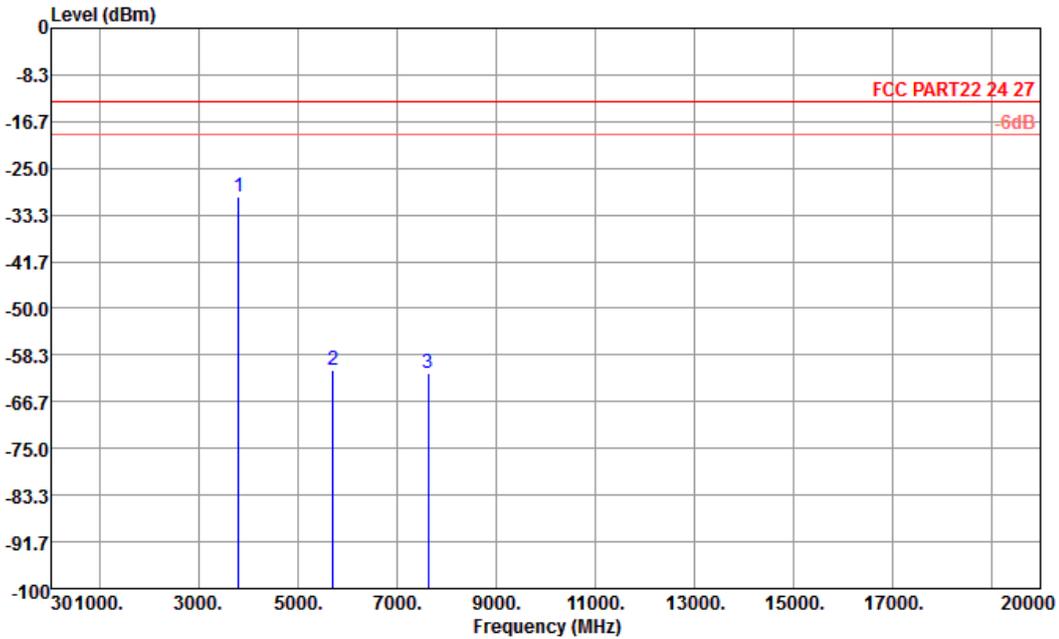
Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3818	-40.31	-13	-27.31	-46.78	-46.69	0.78	7.16	H	Pass
5727	-60.86	-13	-47.86	-65.04	-69.40	1.04	9.58	H	Pass
7636	-59.36	-13	-46.36	-64.49	-69.47	1.35	11.46	H	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



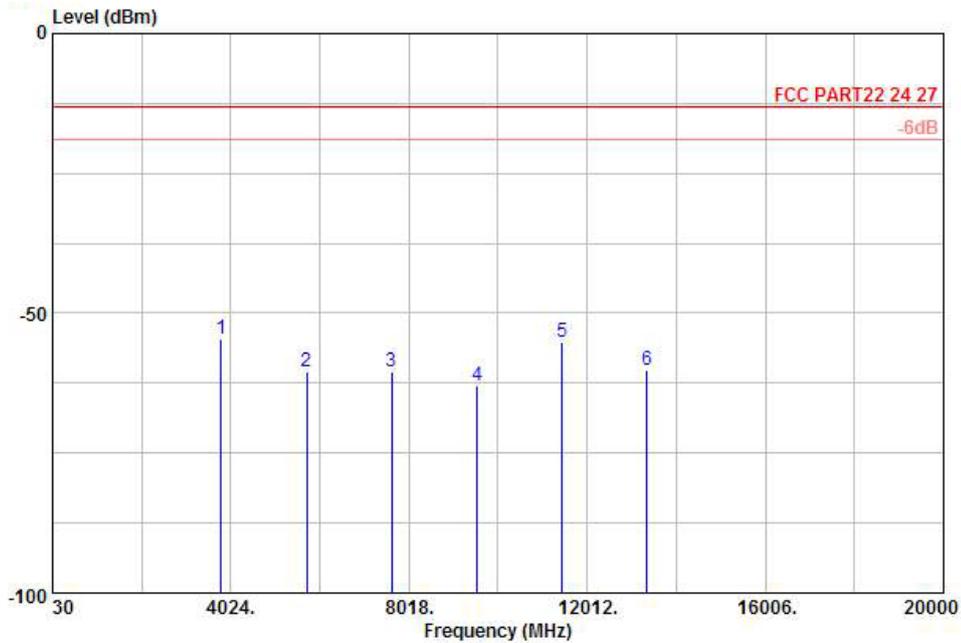
Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3818	-30.16	-13	-17.16	-41.3	-36.54	0.78	7.16	V	Pass
5727	-60.94	-13	-47.94	-64.16	-69.48	1.04	9.58	V	Pass
7636	-61.51	-13	-48.51	-66	-71.62	1.35	11.46	V	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



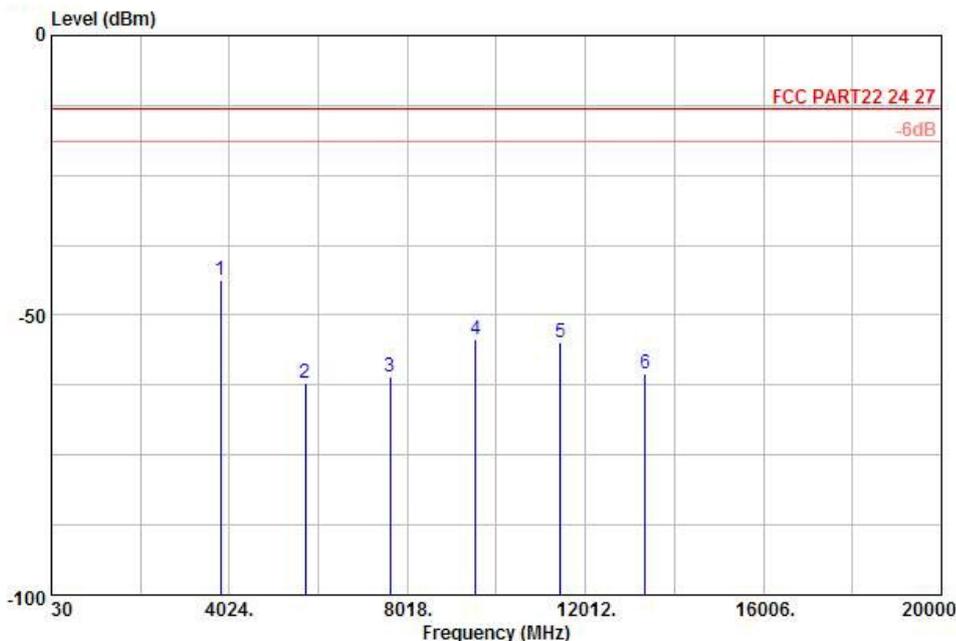
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3816	-54.68	-13	-41.68	-55.65	-61.06	0.78	7.16	H	Pass
5726	-60.41	-13	-47.41	-64.59	-68.95	1.04	9.58	H	Pass
7634	-60.57	-13	-47.57	-65.70	-70.68	1.35	11.46	H	Pass
9543	-62.86	-13	-49.86	-66.12	-73.92	1.75	12.81	H	Pass
11451	-55.18	-13	-42.18	-66.67	-66.27	2	13.09	H	Pass
13360	-60.27	-13	-47.27	-71.57	-71.98	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



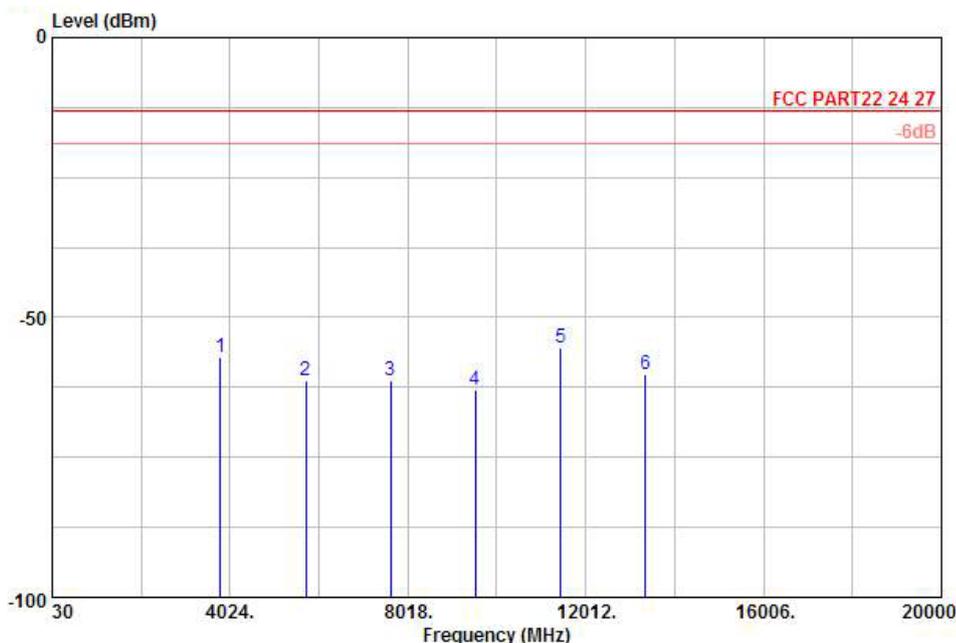
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3818	-43.68	-13	-30.68	-51.26	-50.06	0.78	7.16	V	Pass
5726	-62.10	-13	-49.10	-65.32	-70.64	1.04	9.58	V	Pass
7634	-60.93	-13	-47.93	-65.42	-71.04	1.35	11.46	V	Pass
9543	-64.43	-13	-51.43	-65.65	-75.49	1.75	12.81	V	Pass
11451	-54.92	-13	-41.92	-66.16	-66.01	2	13.09	V	Pass
13360	-60.39	-13	-47.39	-71.58	-72.10	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



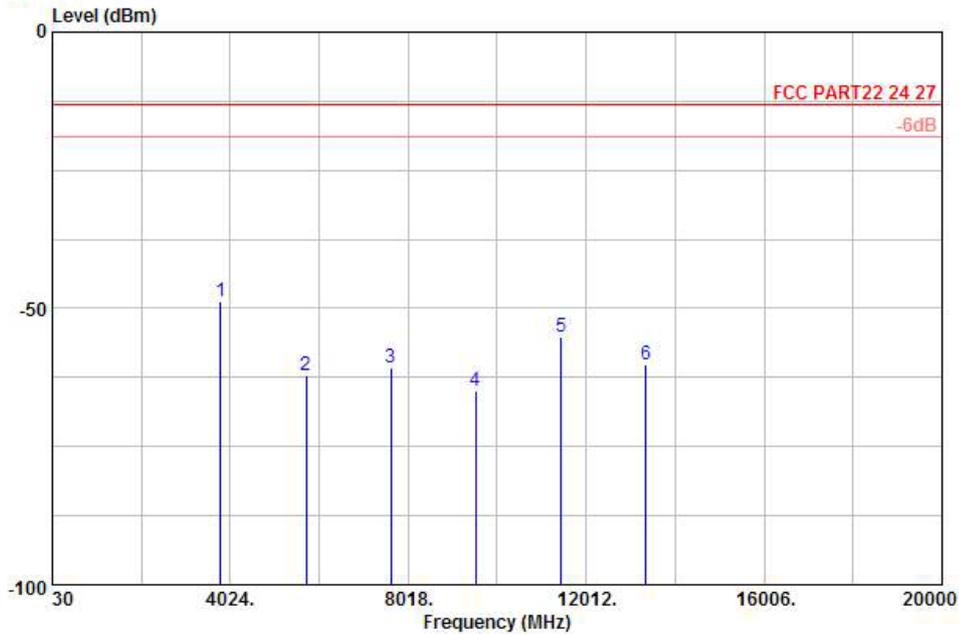
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3816	-57.23	-13	-44.23	-58.20	-63.61	0.78	7.16	H	Pass
5723	-61.26	-13	-48.26	-65.44	-69.80	1.04	9.58	H	Pass
7630	-61.19	-13	-48.19	-66.32	-71.30	1.35	11.46	H	Pass
9538	-63.02	-13	-50.02	-66.28	-74.08	1.75	12.81	H	Pass
11445	-55.34	-13	-42.34	-66.83	-66.43	2	13.09	H	Pass
13353	-60.23	-13	-47.23	-71.53	-71.94	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



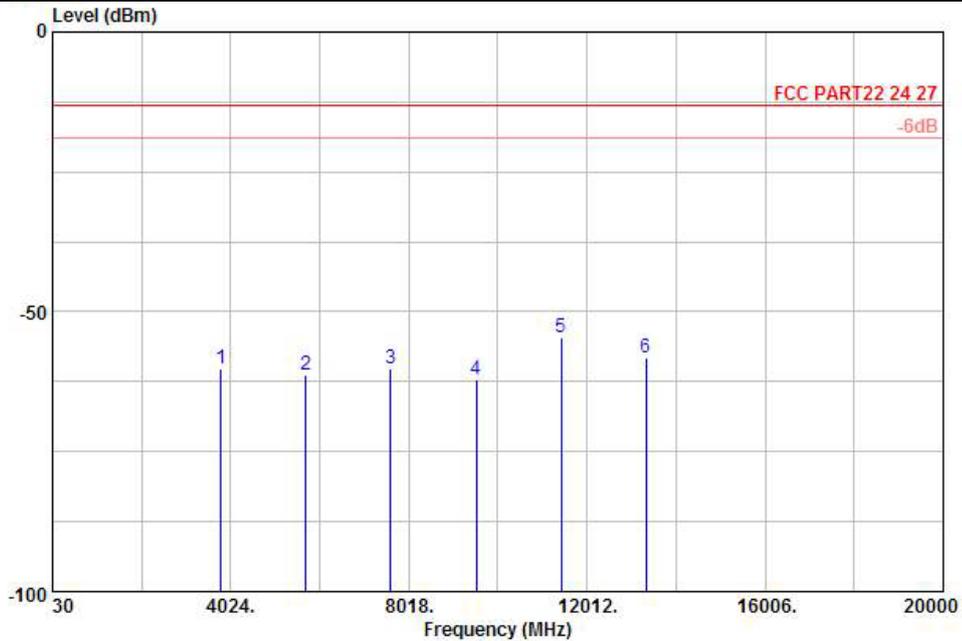
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3816	-48.65	-13	-35.65	-53.68	-55.03	0.78	7.16	V	Pass
5723	-62.16	-13	-49.16	-65.38	-70.70	1.04	9.58	V	Pass
7630	-60.68	-13	-47.68	-65.17	-70.79	1.35	11.46	V	Pass
9538	-64.88	-13	-51.88	-66.1	-75.94	1.75	12.81	V	Pass
11445	-55.07	-13	-42.07	-66.31	-66.16	2	13.09	V	Pass
13353	-60.28	-13	-47.28	-71.47	-71.99	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



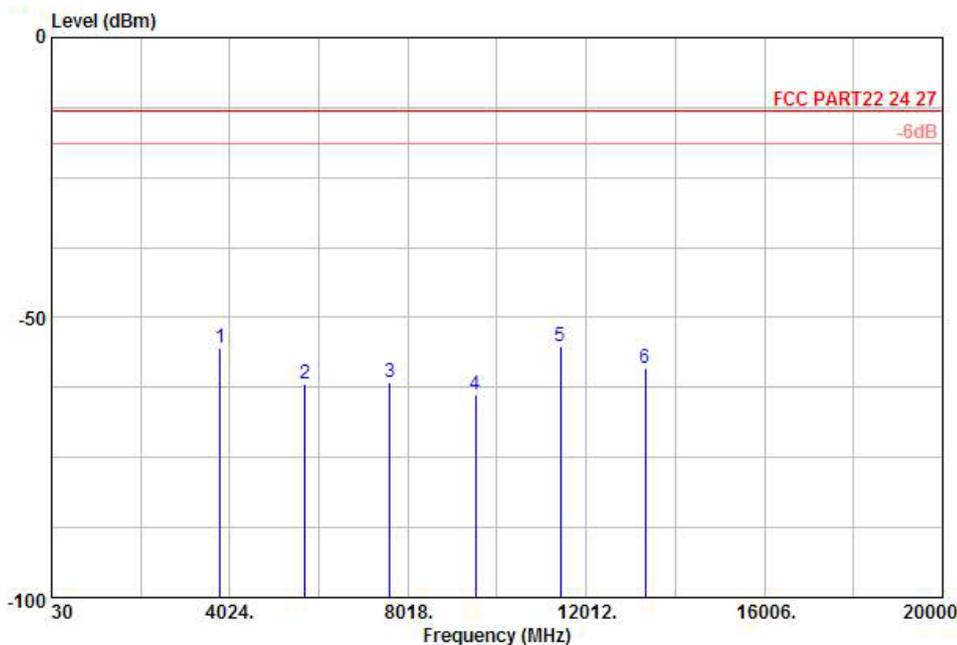
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-60.11	-13	-47.11	-61.08	-66.49	0.78	7.16	H	Pass
5715	-61.28	-13	-48.28	-65.46	-69.82	1.04	9.58	H	Pass
7620	-60.25	-13	-47.25	-65.38	-70.36	1.35	11.46	H	Pass
9525	-62.24	-13	-49.24	-65.50	-73.30	1.75	12.81	H	Pass
11430	-54.52	-13	-41.52	-66.01	-65.61	2	13.09	H	Pass
13335	-58.27	-13	-45.27	-69.57	-69.98	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



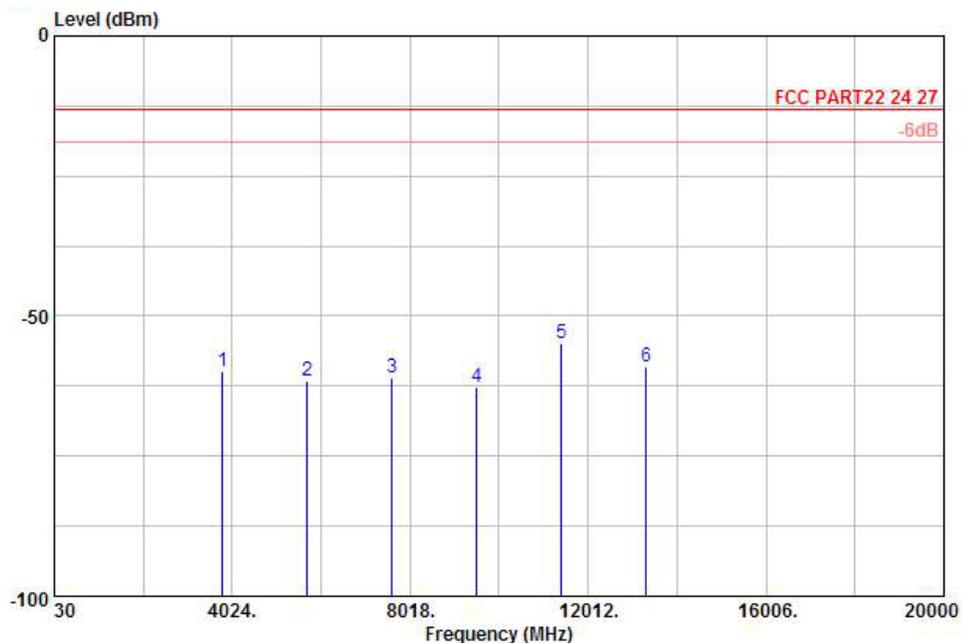
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-55.46	-13	-42.46	-56.83	-61.84	0.78	7.16	V	Pass
5715	-61.96	-13	-48.96	-65.18	-70.50	1.04	9.58	V	Pass
7620	-61.55	-13	-48.55	-66.04	-71.66	1.35	11.46	V	Pass
9525	-63.65	-13	-50.65	-64.87	-74.71	1.75	12.81	V	Pass
11430	-55.04	-13	-42.04	-66.28	-66.13	2	13.09	V	Pass
13335	-58.98	-13	-45.98	-70.17	-70.69	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



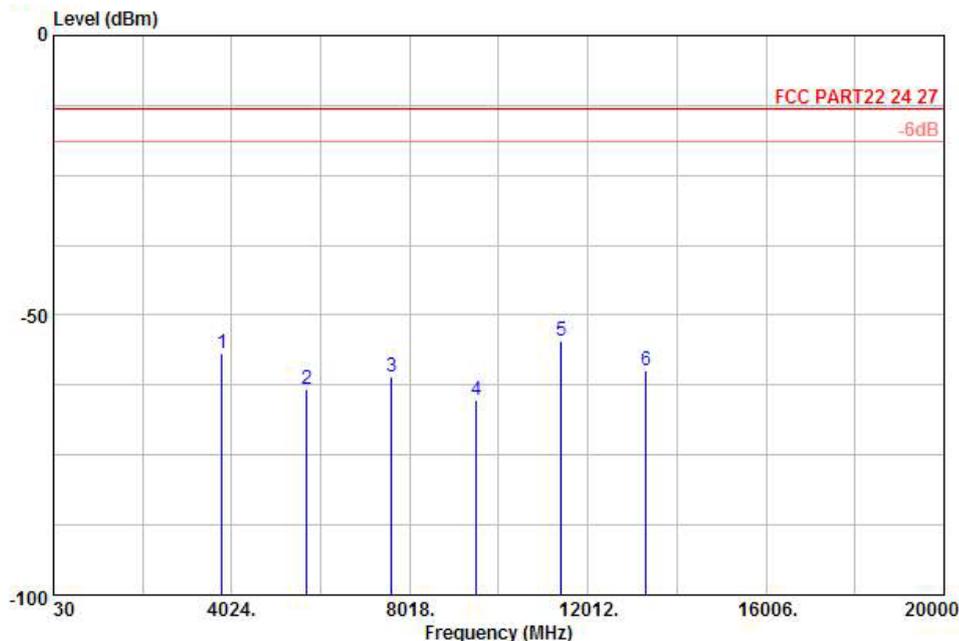
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3806	-59.93	-13	-46.93	-60.90	-66.31	0.78	7.16	H	Pass
5708	-61.65	-13	-48.65	-65.83	-70.19	1.04	9.58	H	Pass
7610	-61.11	-13	-48.11	-66.24	-71.22	1.35	11.46	H	Pass
9513	-62.54	-13	-49.54	-65.80	-73.60	1.75	12.81	H	Pass
11415	-54.77	-13	-41.77	-66.26	-65.86	2	13.09	H	Pass
13318	-59.06	-13	-46.06	-70.36	-70.77	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



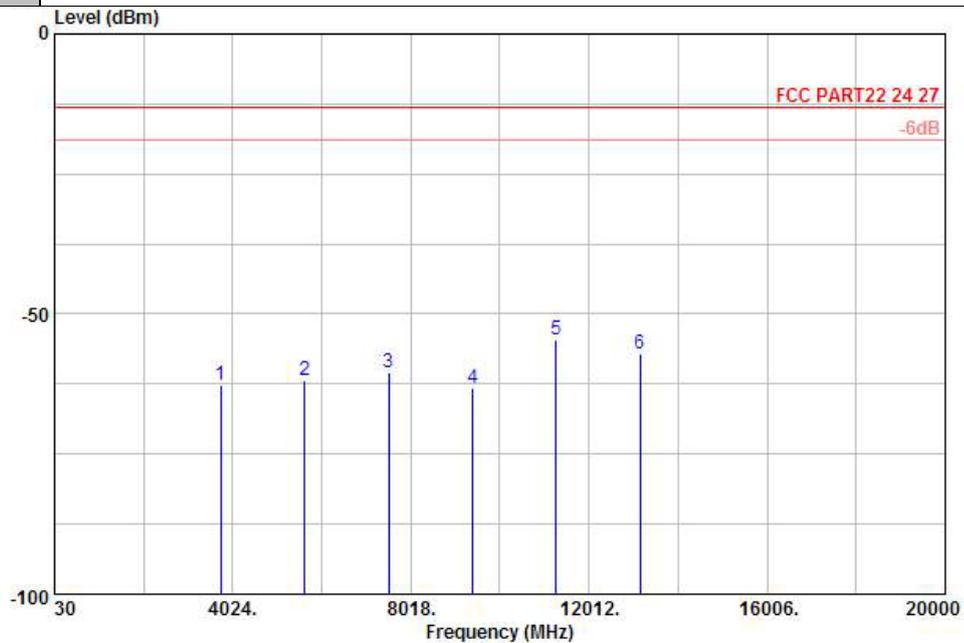
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3806	-56.89	-13	-43.89	-58.26	-63.27	0.78	7.16	V	Pass
5708	-63.14	-13	-50.14	-66.36	-71.68	1.04	9.58	V	Pass
7610	-60.92	-13	-47.92	-65.41	-71.03	1.35	11.46	V	Pass
9513	-65.13	-13	-52.13	-66.35	-76.19	1.75	12.81	V	Pass
11415	-54.47	-13	-41.47	-65.71	-65.56	2	13.09	V	Pass
13318	-59.77	-13	-46.77	-70.96	-71.48	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 99	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



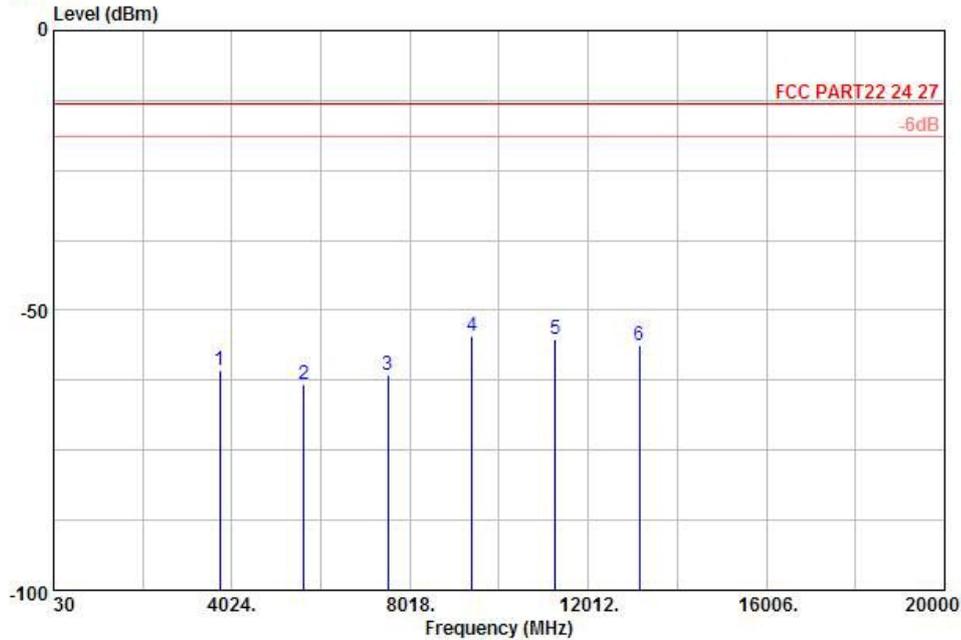
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-62.72	-13	-49.72	-63.69	-69.10	0.78	7.16	H	Pass
5640	-61.86	-13	-48.86	-66.04	-70.40	1.04	9.58	H	Pass
7520	-60.37	-13	-47.37	-65.50	-70.48	1.35	11.46	H	Pass
9400	-63.22	-13	-50.22	-66.48	-74.28	1.75	12.81	H	Pass
11280	-54.72	-13	-41.72	-66.21	-65.81	2	13.09	H	Pass
13160	-57.12	-13	-44.12	-68.42	-68.83	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~23°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 99	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



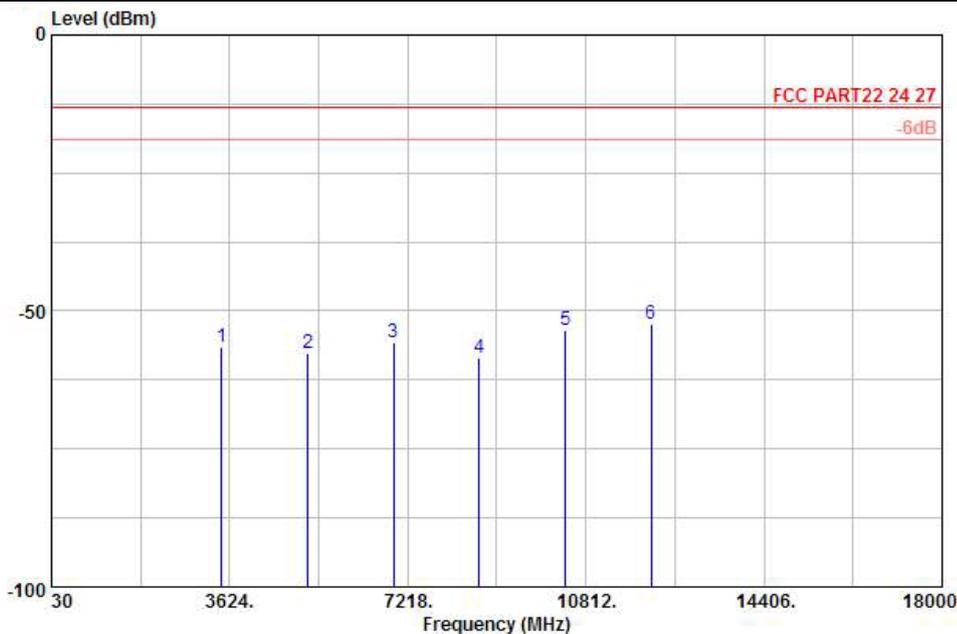
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-60.69	-13	-47.69	-62.06	-67.07	0.78	7.16	V	Pass
5640	-63.13	-13	-50.13	-66.35	-71.67	1.04	9.58	V	Pass
7520	-61.63	-13	-48.63	-66.12	-71.74	1.35	11.46	V	Pass
9400	-64.49	-13	-51.49	-65.71	-75.55	1.75	12.81	V	Pass
11280	-55.07	-13	-42.07	-66.31	-66.16	2	13.09	V	Pass
13160	-56.29	-13	-43.29	-67.48	-68.00	2.04	13.75	V	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		

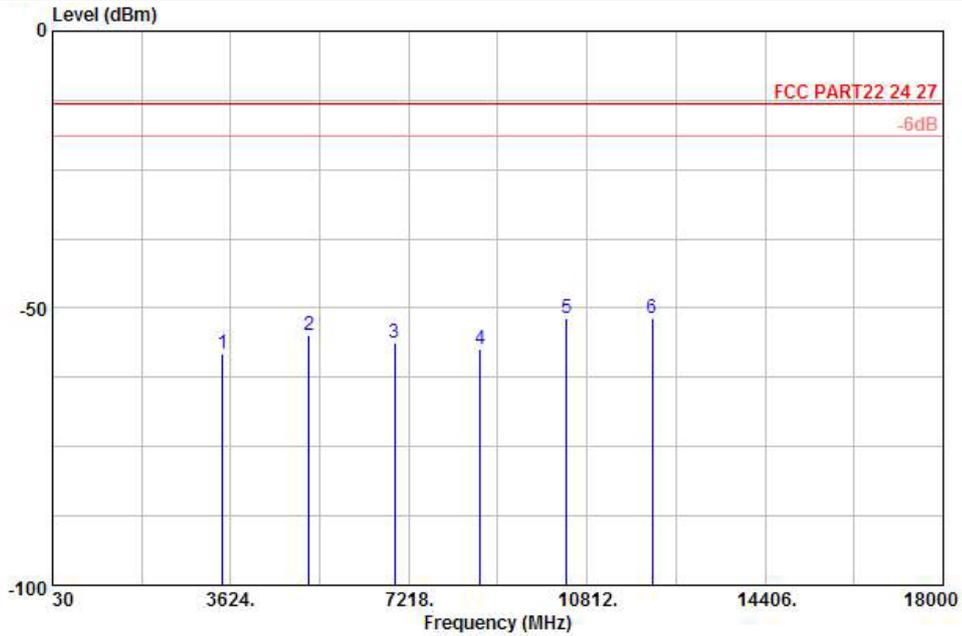


Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL
 Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-56.45	-13	-43.45	-62.74	-61.85	2.2	7.60	H	Pass
5198	-57.60	-13	-44.60	-64.70	-64.38	3.12	9.90	H	Pass
6930	-55.75	-13	-42.75	-64.81	-63.64	2.98	10.87	H	Pass
8663	-58.56	-13	-45.56	-66.63	-68.05	2.97	12.46	H	Pass
10395	-53.43	-13	-40.43	-66.17	-62.59	3.46	12.62	H	Pass
12128	-52.39	-13	-39.39	-66.41	-60.49	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



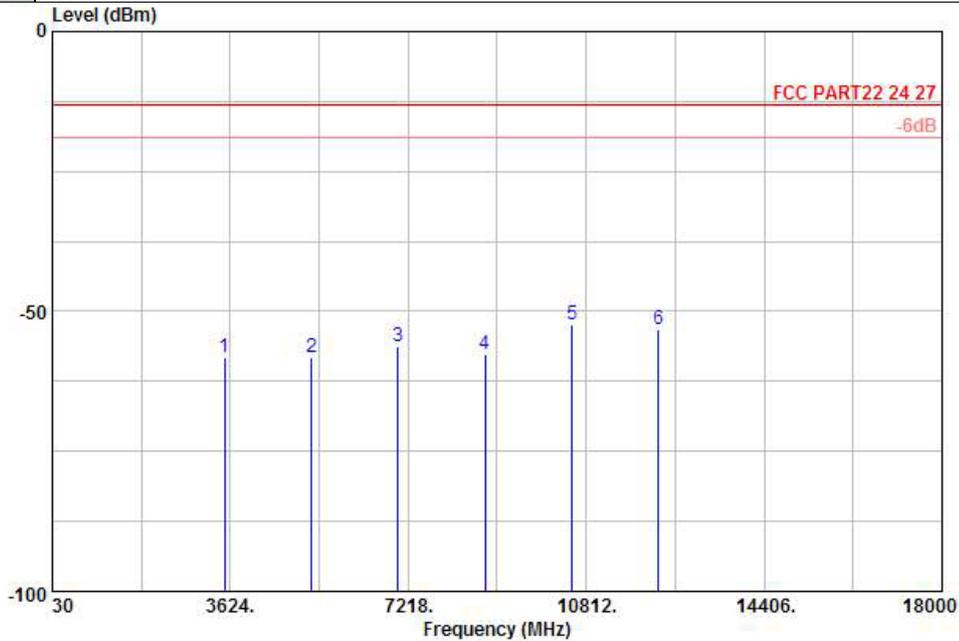
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-58.19	-13	-45.19	-62.46	-63.59	2.2	7.6	V	Pass
5198	-54.80	-13	-41.80	-63.96	-61.58	3.12	9.9	V	Pass
6930	-56.25	-13	-43.25	-65.01	-64.14	2.98	10.87	V	Pass
8663	-57.50	-13	-44.50	-66.17	-66.99	2.97	12.46	V	Pass
10395	-51.89	-13	-38.89	-64.68	-61.05	3.46	12.62	V	Pass
12128	-51.87	-13	-38.87	-66.21	-59.97	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



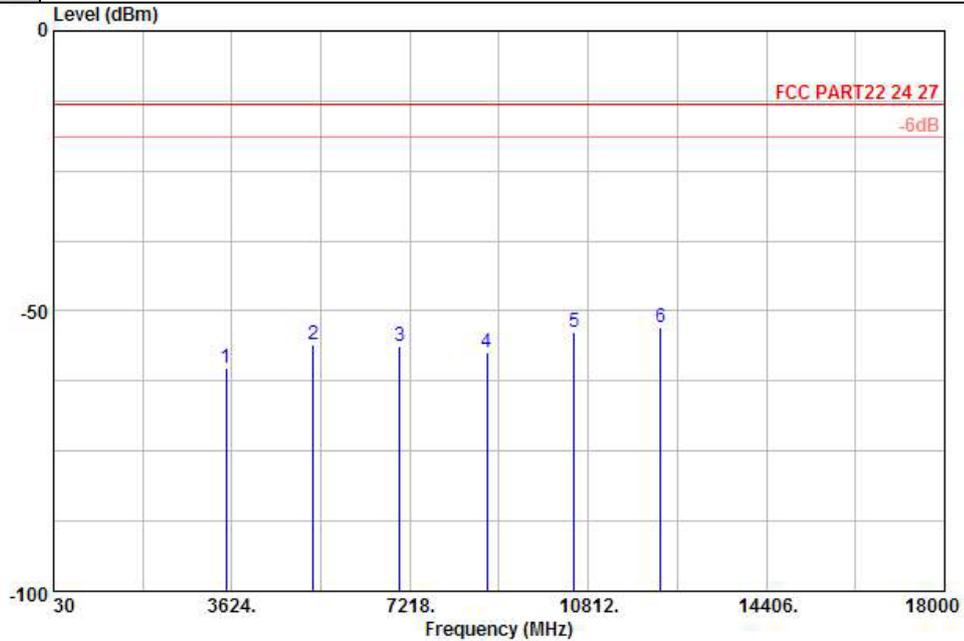
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-58.08	-13	-45.08	-64.37	-63.48	2.2	7.60	H	Pass
5261	-58.12	-13	-45.12	-65.22	-64.90	3.12	9.90	H	Pass
7014	-56.29	-13	-43.29	-65.35	-64.18	2.98	10.87	H	Pass
8768	-57.71	-13	-44.71	-65.78	-67.20	2.97	12.46	H	Pass
10521	-52.38	-13	-39.38	-65.12	-61.54	3.46	12.62	H	Pass
12275	-53.33	-13	-40.33	-67.35	-61.43	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



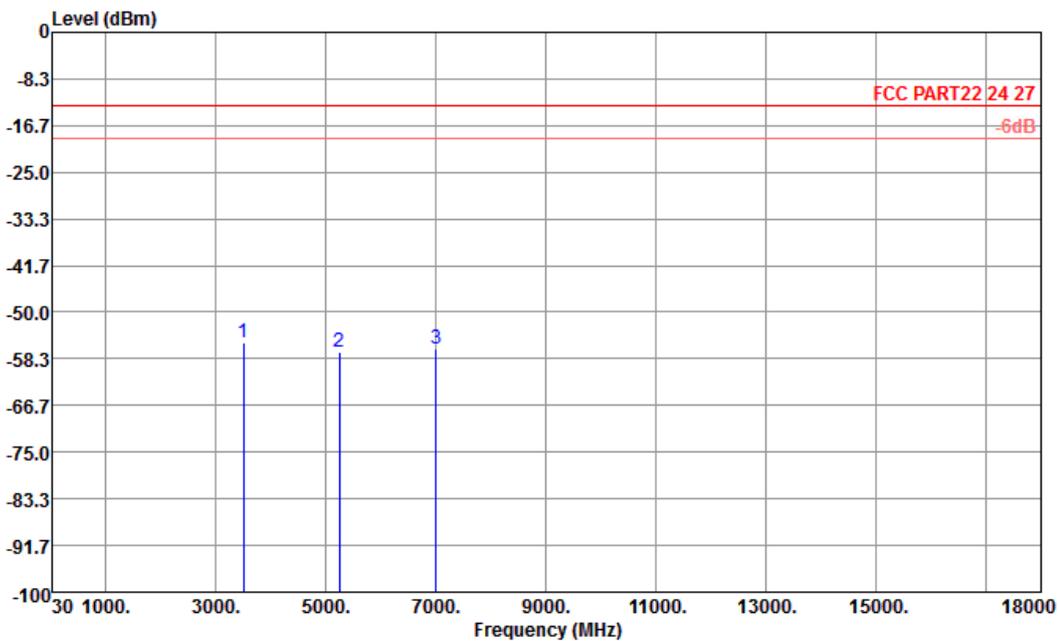
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-60.13	-13	-47.13	-64.4	-65.53	2.2	7.6	V	Pass
5261	-56.00	-13	-43.00	-65.16	-62.78	3.12	9.9	V	Pass
7014	-56.21	-13	-43.21	-64.97	-64.10	2.98	10.87	V	Pass
8768	-57.28	-13	-44.28	-65.95	-66.77	2.97	12.46	V	Pass
10521	-53.74	-13	-40.74	-66.53	-62.90	3.46	12.62	V	Pass
12275	-52.94	-13	-39.94	-67.28	-61.04	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



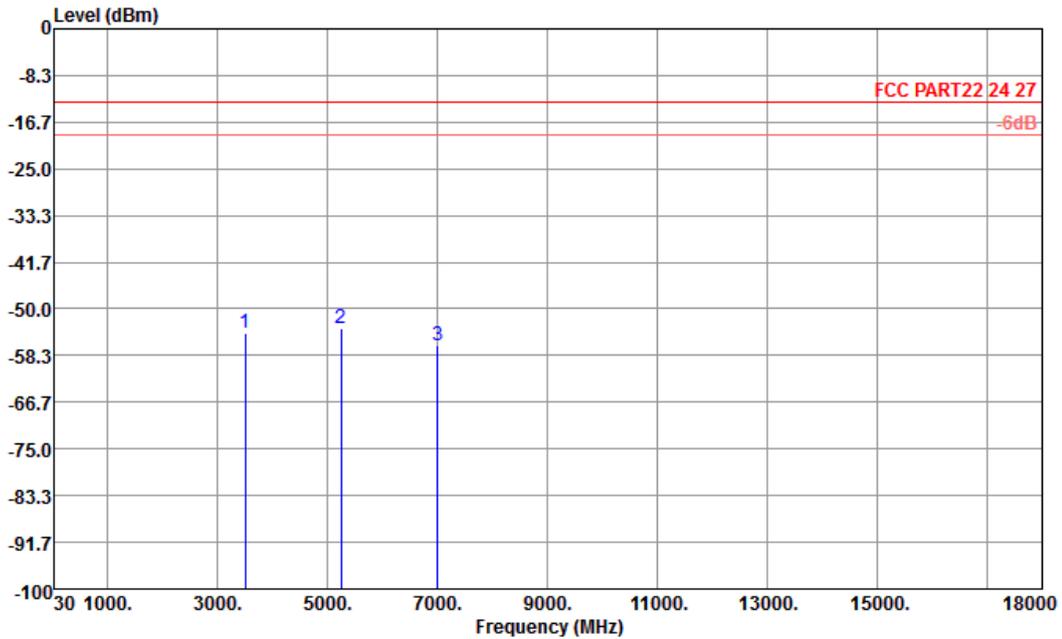
Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : H

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3505	-55.33	-13	-42.33	-61.62	-60.73	2.2	7.60	H	Pass
5258	-57.10	-13	-44.10	-64.20	-63.88	3.12	9.90	H	Pass
7010	-56.63	-13	-43.63	-65.69	-64.52	2.98	10.87	H	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



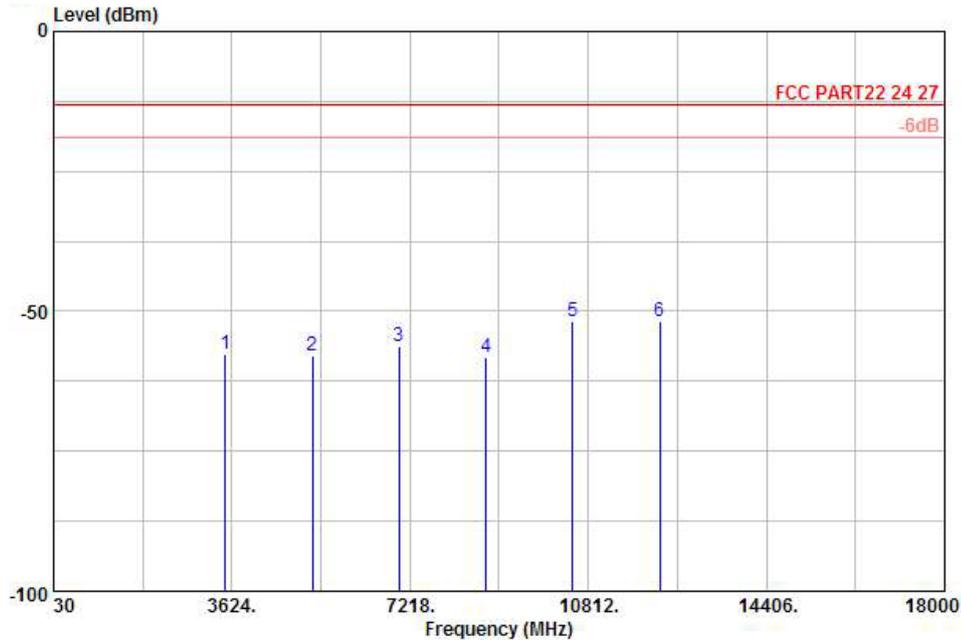
Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : H

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3505	-54.24	-13	-41.24	-58.51	-59.64	2.2	7.6	V	Pass
5258	-53.46	-13	-40.46	-62.62	-60.24	3.12	9.9	V	Pass
7010	-56.59	-13	-43.59	-65.35	-64.48	2.98	10.87	V	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



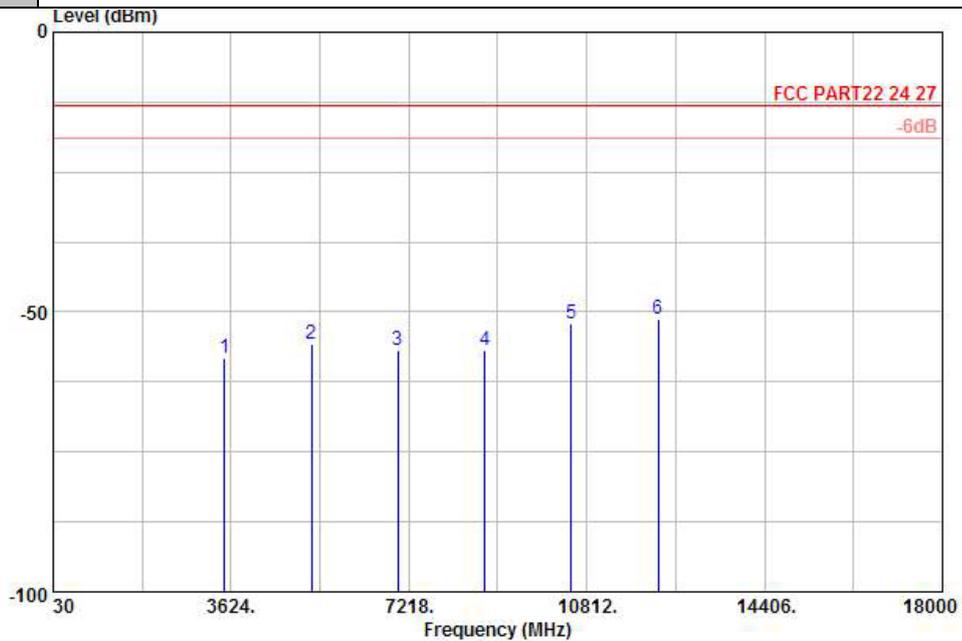
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3500	-57.72	-13	-44.72	-64.01	-63.12	2.2	7.60	H	Pass
5250	-57.97	-13	-44.97	-65.07	-64.75	3.12	9.90	H	Pass
7000	-56.38	-13	-43.38	-65.44	-64.27	2.98	10.87	H	Pass
8750	-58.14	-13	-45.14	-66.21	-67.63	2.97	12.46	H	Pass
10500	-51.88	-13	-38.88	-64.62	-61.04	3.46	12.62	H	Pass
12250	-51.71	-13	-38.71	-65.73	-59.81	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



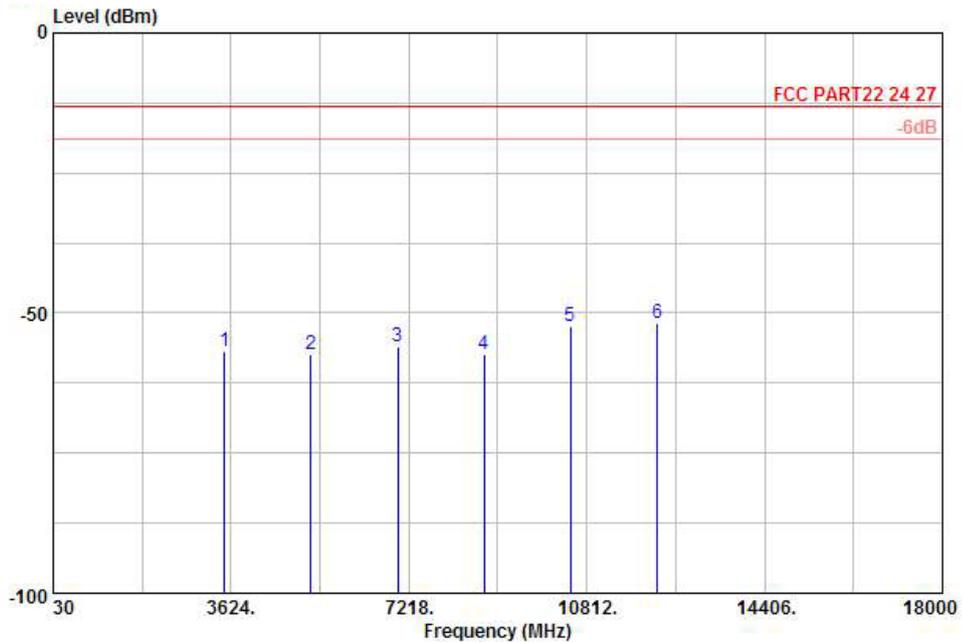
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3500	-58.09	-13	-45.09	-62.36	-63.49	2.2	7.6	V	Pass
5250	-55.83	-13	-42.83	-64.99	-62.61	3.12	9.9	V	Pass
7000	-56.70	-13	-43.70	-65.46	-64.59	2.98	10.87	V	Pass
8750	-56.84	-13	-43.84	-65.51	-66.33	2.97	12.46	V	Pass
10500	-51.98	-13	-38.98	-64.77	-61.14	3.46	12.62	V	Pass
12250	-51.29	-13	-38.29	-65.63	-59.39	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



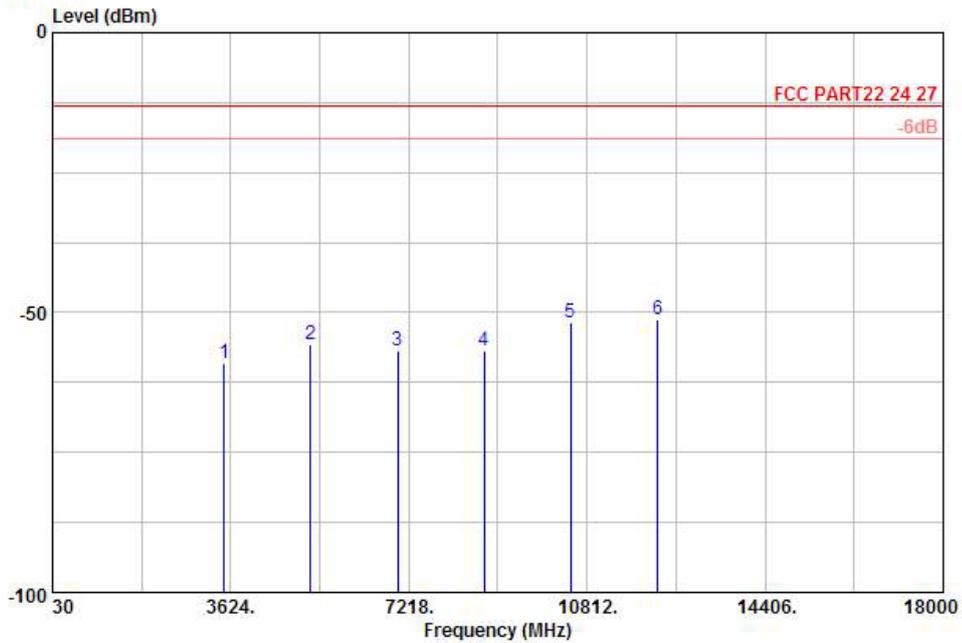
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3495	-56.92	-13	-43.92	-63.21	-62.32	2.2	7.60	H	Pass
5243	-57.52	-13	-44.52	-64.62	-64.30	3.12	9.90	H	Pass
6990	-56.08	-13	-43.08	-65.14	-63.97	2.98	10.87	H	Pass
8738	-57.33	-13	-44.33	-65.40	-66.82	2.97	12.46	H	Pass
10485	-52.41	-13	-39.41	-65.15	-61.57	3.46	12.62	H	Pass
12233	-51.83	-13	-38.83	-65.85	-59.93	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



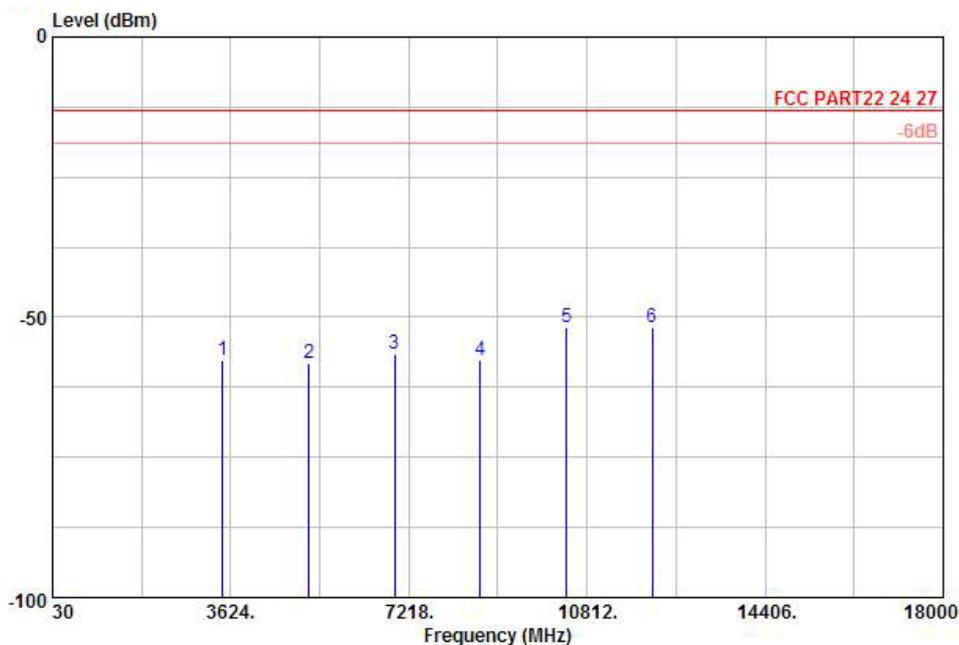
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3495	-59.07	-13	-46.07	-63.34	-64.47	2.2	7.6	V	Pass
5243	-55.84	-13	-42.84	-65	-62.62	3.12	9.9	V	Pass
6990	-56.95	-13	-43.95	-65.71	-64.84	2.98	10.87	V	Pass
8738	-56.71	-13	-43.71	-65.38	-66.20	2.97	12.46	V	Pass
10485	-51.88	-13	-38.88	-64.67	-61.04	3.46	12.62	V	Pass
12233	-51.20	-13	-38.20	-65.54	-59.30	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



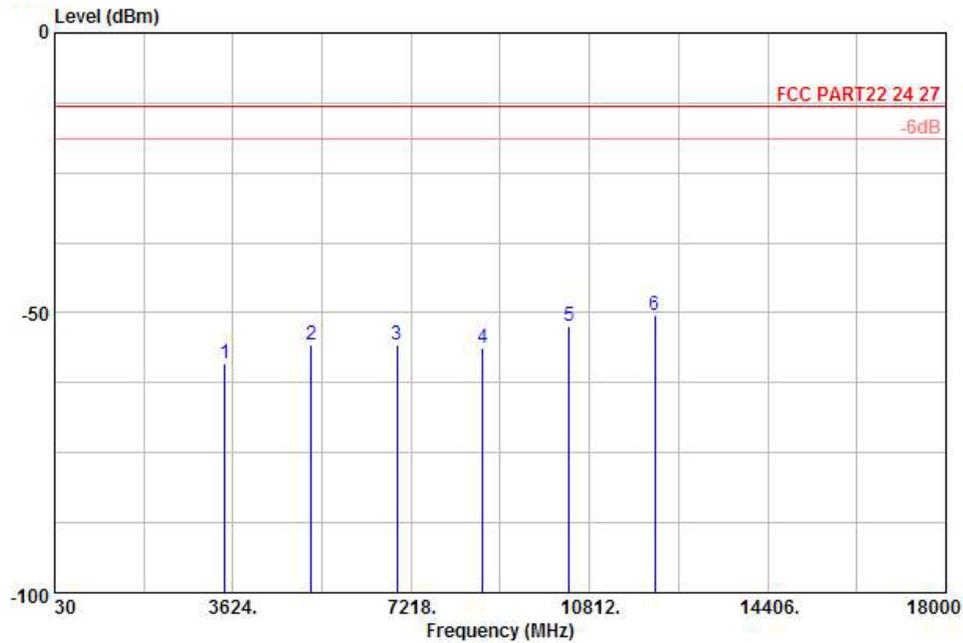
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-57.70	-13	-44.70	-63.99	-38.20	1.42	7.54	H	Pass
5197.5	-58.33	-13	-45.33	-65.43	-68.60	1.58	9.80	H	Pass
6930	-56.53	-13	-43.53	-65.59	-67.90	1.69	11.51	H	Pass
8662.5	-57.69	-13	-44.69	-65.76	-58.70	2.12	12.86	H	Pass
10395	-51.91	-13	-38.91	-64.65	-54.80	2.31	12.90	H	Pass
12127.5	-51.82	-13	-38.82	-65.84	-53.00	2.57	13.10	H	Pass



Band :	LTE Band 4	Temperature :	21~23°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



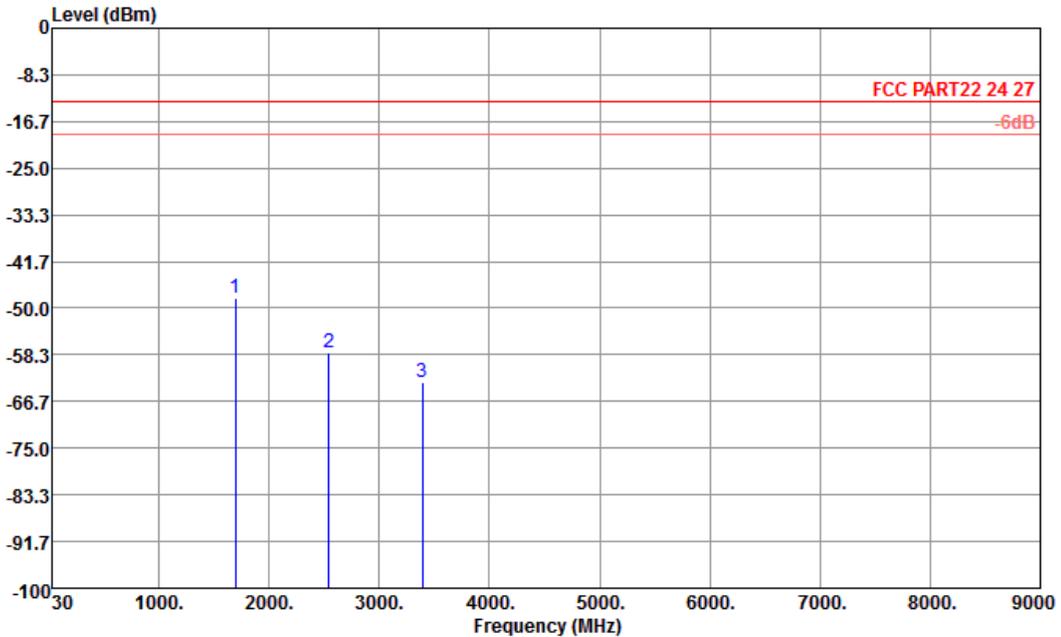
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-59.16	-13	-46.16	-63.43	-43.20	1.42	7.54	V	Pass
5197.5	-55.67	-13	-42.67	-64.83	-70.30	1.58	9.80	V	Pass
6930	-55.68	-13	-42.68	-64.44	-64.60	1.69	11.51	V	Pass
8662.5	-56.27	-13	-43.27	-64.94	-56.60	2.12	12.86	V	Pass
10395	-52.44	-13	-39.44	-65.23	-53.60	2.31	12.90	V	Pass
12127.5	-50.41	-13	-37.41	-64.75	-52.20	2.57	13.10	V	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



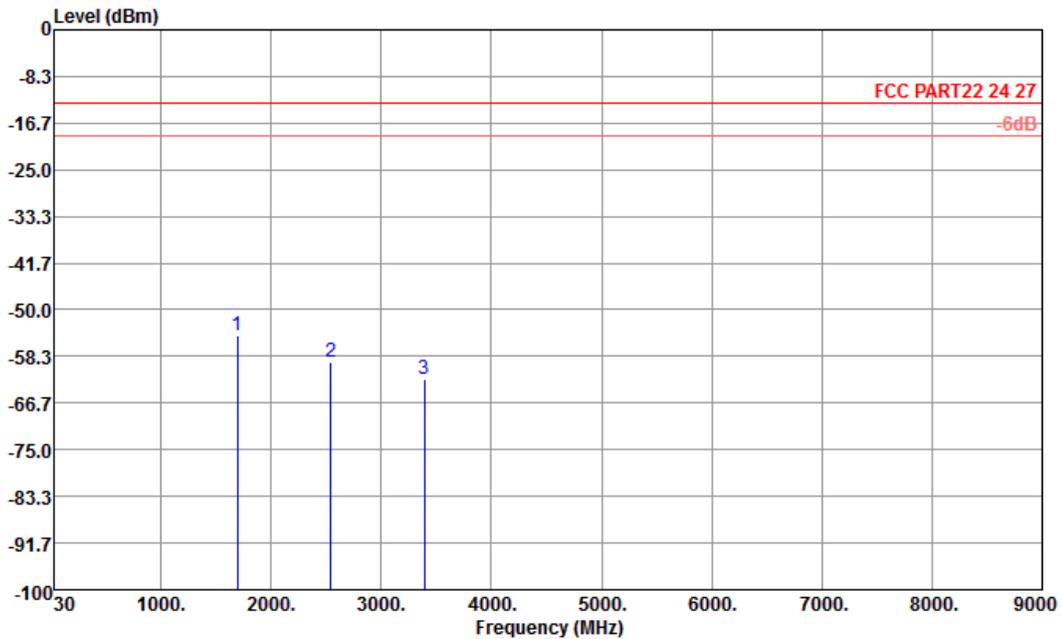
Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-48.12	-13	-35.12	-47.21	-48.77	0.57	3.37	H	Pass
2544	-58.03	-13	-45.03	-60.28	-60.26	0.78	5.16	H	Pass
3392	-63.17	-13	-50.17	-65.11	-66.81	0.87	6.66	H	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



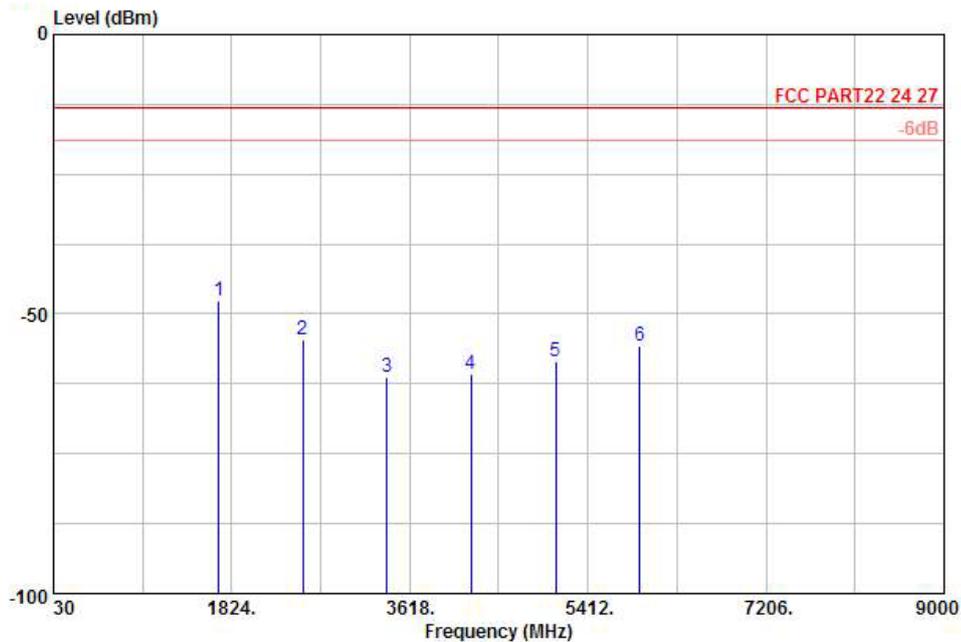
Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-54.64	-13	-41.64	-54.18	-55.29	0.57	3.37	V	Pass
2544	-59.26	-13	-46.26	-62.37	-61.49	0.78	5.16	V	Pass
3392	-62.33	-13	-49.33	-64.31	-65.97	0.87	6.66	V	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



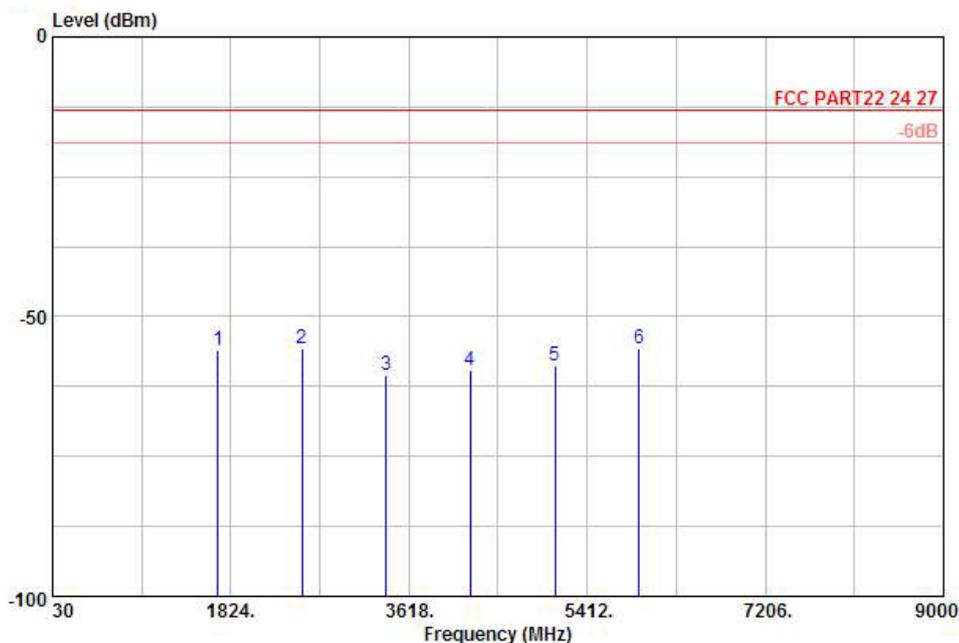
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1695	-47.64	-13	-34.64	-46.79	-48.29	0.57	3.37	H	Pass
2542.5	-54.46	-13	-41.46	-56.71	-56.69	0.78	5.16	H	Pass
3390	-61.35	-13	-48.35	-63.29	-64.99	0.87	6.66	H	Pass
4237.5	-60.70	-13	-47.70	-63.44	-65.29	0.97	7.71	H	Pass
5085	-58.60	-13	-45.60	-64.80	-64.27	1.09	8.91	H	Pass
5932.5	-55.83	-13	-42.83	-64.54	-62.27	1.22	9.81	H	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



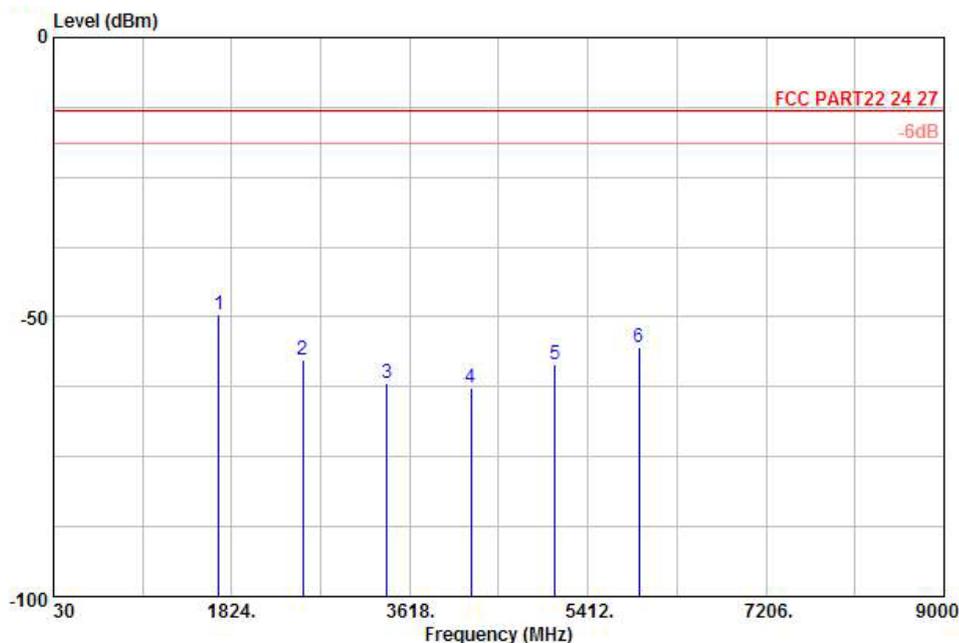
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1695	-55.93	-13	-42.93	-54.78	-56.58	0.57	3.37	V	Pass
2542.5	-55.77	-13	-42.77	-58.88	-58.00	0.78	5.16	V	Pass
3390	-60.55	-13	-47.55	-62.53	-64.19	0.87	6.66	V	Pass
4237.5	-59.55	-13	-46.55	-63.39	-64.14	0.97	7.71	V	Pass
5085	-58.84	-13	-45.84	-63.78	-64.51	1.09	8.91	V	Pass
5932.5	-55.65	-13	-42.65	-63.64	-62.09	1.22	9.81	V	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



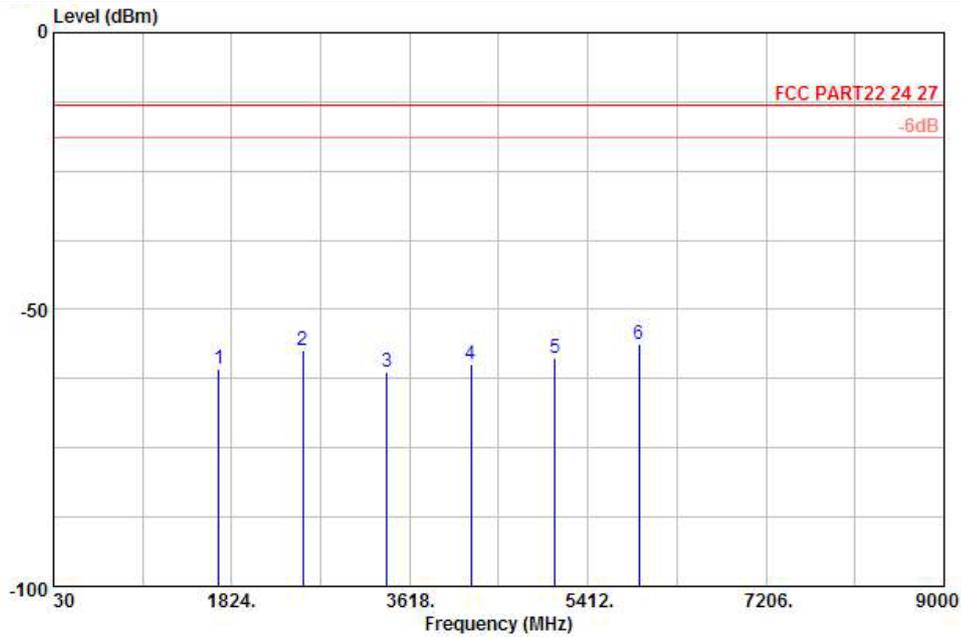
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1693	-49.71	-13	-36.71	-57.69	-50.36	0.57	3.37	H	Pass
2539.5	-57.60	-13	-44.60	-66.16	-59.83	0.78	5.16	H	Pass
3386	-61.77	-13	-48.77	-72.53	-65.41	0.87	6.66	H	Pass
4232.5	-62.76	-13	-49.76	-75.92	-67.35	0.97	7.71	H	Pass
5079	-58.37	-13	-45.37	-72.05	-64.04	1.09	8.91	H	Pass
5925.5	-55.38	-13	-42.38	-71.13	-61.82	1.22	9.81	H	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



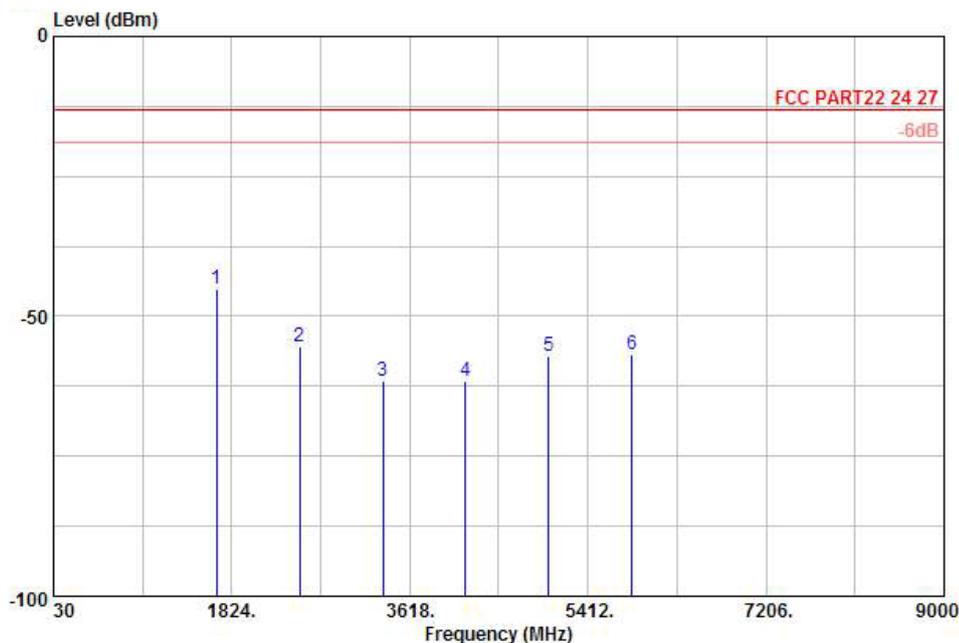
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1693	-60.86	-13	-47.86	-68.84	-61.51	0.57	3.37	V	Pass
2539.5	-57.46	-13	-44.46	-66.02	-59.69	0.78	5.16	V	Pass
3386	-61.41	-13	-48.41	-72.17	-65.05	0.87	6.66	V	Pass
4232.5	-59.96	-13	-46.96	-73.12	-64.55	0.97	7.71	V	Pass
5079	-58.71	-13	-45.71	-72.39	-64.38	1.09	8.91	V	Pass
5925.5	-56.30	-13	-43.30	-72.05	-62.74	1.22	9.81	V	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



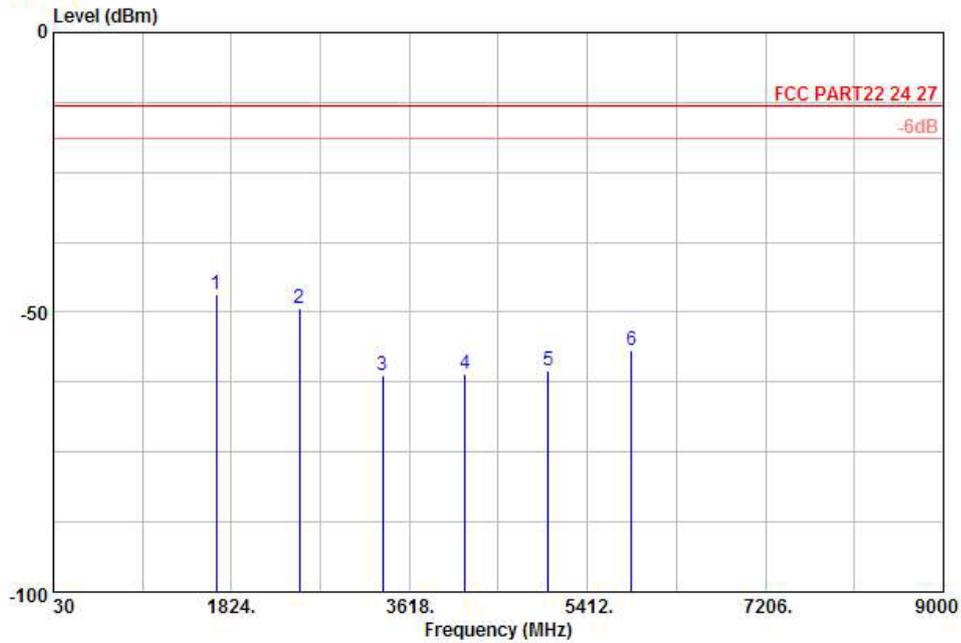
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1673	-45.16	-13	-32.16	-44.62	-45.81	0.57	3.37	H	Pass
2509.5	-55.57	-13	-42.57	-57.82	-57.80	0.78	5.16	H	Pass
3346	-61.57	-13	-48.57	-63.51	-65.21	0.87	6.66	H	Pass
4182.5	-61.54	-13	-48.54	-64.28	-66.13	0.97	7.71	H	Pass
5019	-57.22	-13	-44.22	-63.42	-62.89	1.09	8.91	H	Pass
5855.5	-56.70	-13	-43.70	-65.41	-63.14	1.22	9.81	H	Pass



Band :	LTE Band 5	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



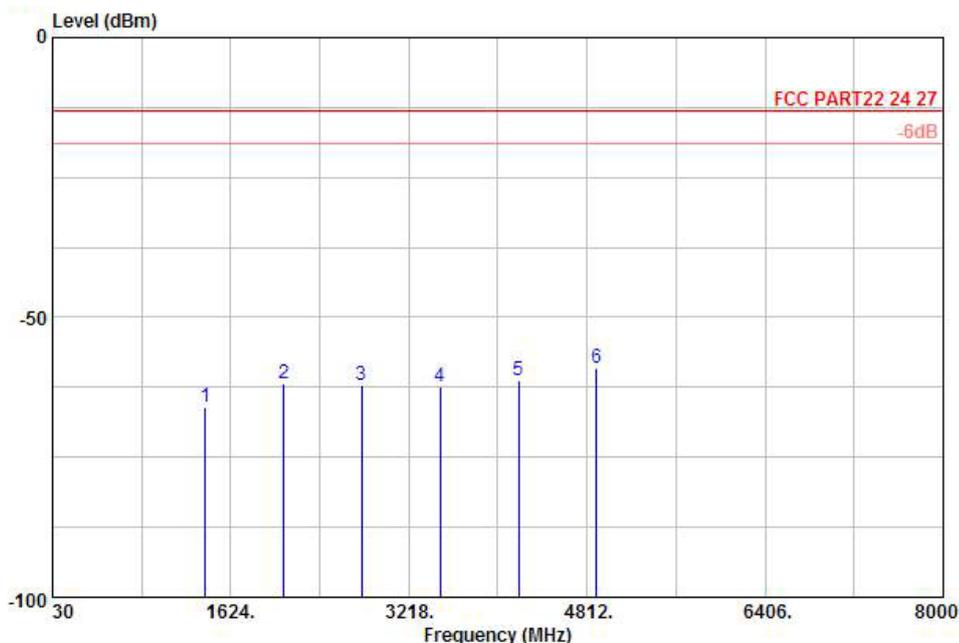
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1673	-46.71	-13	-33.71	-50.01	-47.36	0.57	3.37	V	Pass
2509.5	-49.34	-13	-36.34	-52.45	-51.57	0.78	5.16	V	Pass
3346	-61.25	-13	-48.25	-63.23	-64.89	0.87	6.66	V	Pass
4182.5	-60.97	-13	-47.97	-64.81	-65.56	0.97	7.71	V	Pass
5019	-60.40	-13	-47.40	-65.34	-66.07	1.09	8.91	V	Pass
5855.5	-56.77	-13	-43.77	-64.76	-63.21	1.22	9.81	V	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



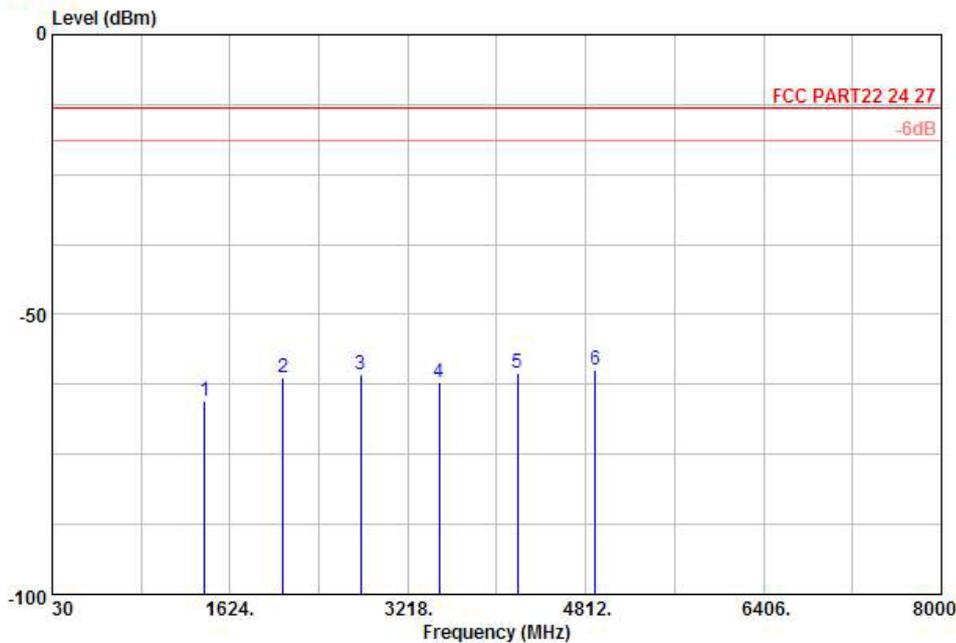
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1399	-66.12	-13	-53.12	-61.90	-66.77	0.57	3.37	H	Pass
2099	-61.81	-13	-48.81	-64.06	-64.04	0.78	5.16	H	Pass
2799	-62.20	-13	-49.20	-64.45	-65.84	0.87	6.66	H	Pass
3499	-62.27	-13	-49.27	-64.21	-66.86	0.97	7.71	H	Pass
4198	-61.19	-13	-48.19	-63.93	-66.86	1.09	8.91	H	Pass
4898	-59.08	-13	-46.08	-65.28	-65.52	1.22	9.81	H	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



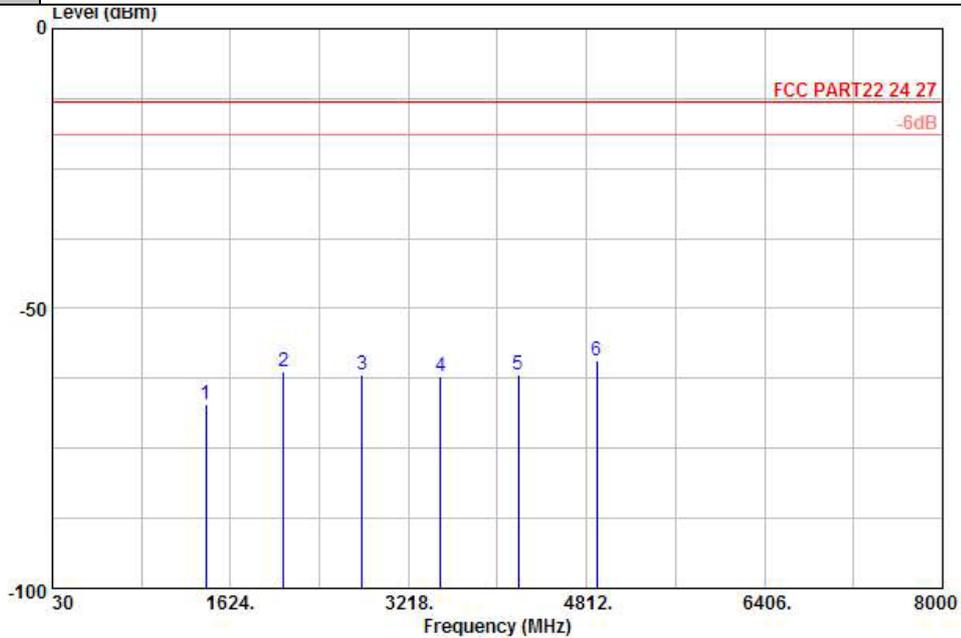
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1399	-65.58	-13	-52.58	-61.23	-66.23	0.57	3.37	V	Pass
2099	-61.31	-13	-48.31	-64.42	-63.54	0.78	5.16	V	Pass
2799	-60.86	-13	-47.86	-63.97	-64.50	0.87	6.66	V	Pass
3499	-61.99	-13	-48.99	-63.97	-66.58	0.97	7.71	V	Pass
4198	-60.51	-13	-47.51	-64.35	-66.18	1.09	8.91	V	Pass
4898	-59.76	-13	-46.76	-64.70	-66.20	1.22	9.81	V	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



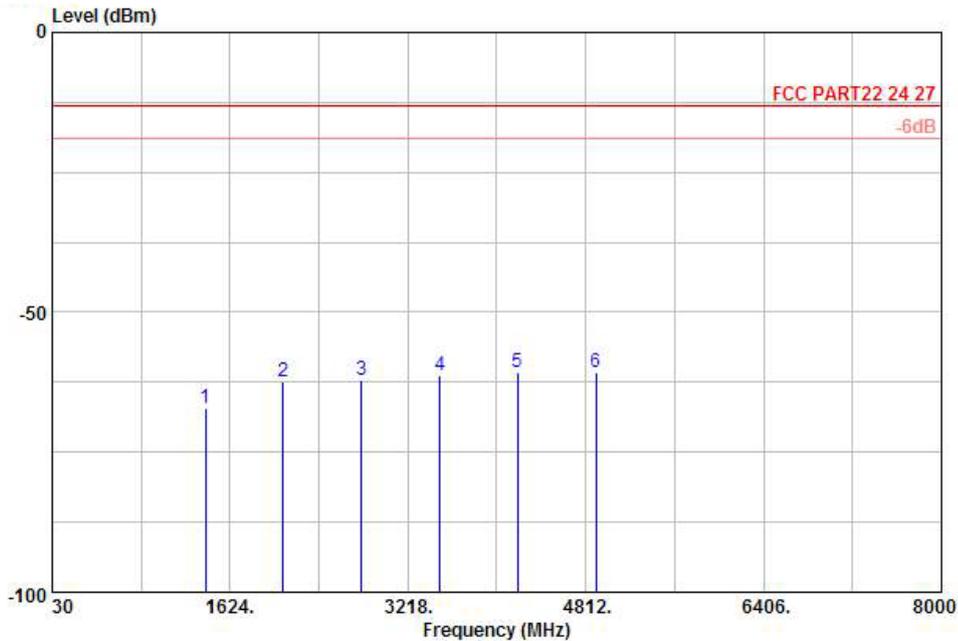
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1401	-67.12	-13	-54.12	-62.90	-67.77	0.57	3.37	H	Pass
2102	-61.34	-13	-48.34	-63.59	-63.57	0.78	5.16	H	Pass
2802	-61.95	-13	-48.95	-64.20	-65.59	0.87	6.66	H	Pass
3503	-62.06	-13	-49.06	-64.00	-66.65	0.97	7.71	H	Pass
4203	-61.83	-13	-48.83	-64.57	-67.50	1.09	8.91	H	Pass
4904	-59.34	-13	-46.34	-65.54	-65.78	1.22	9.81	H	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



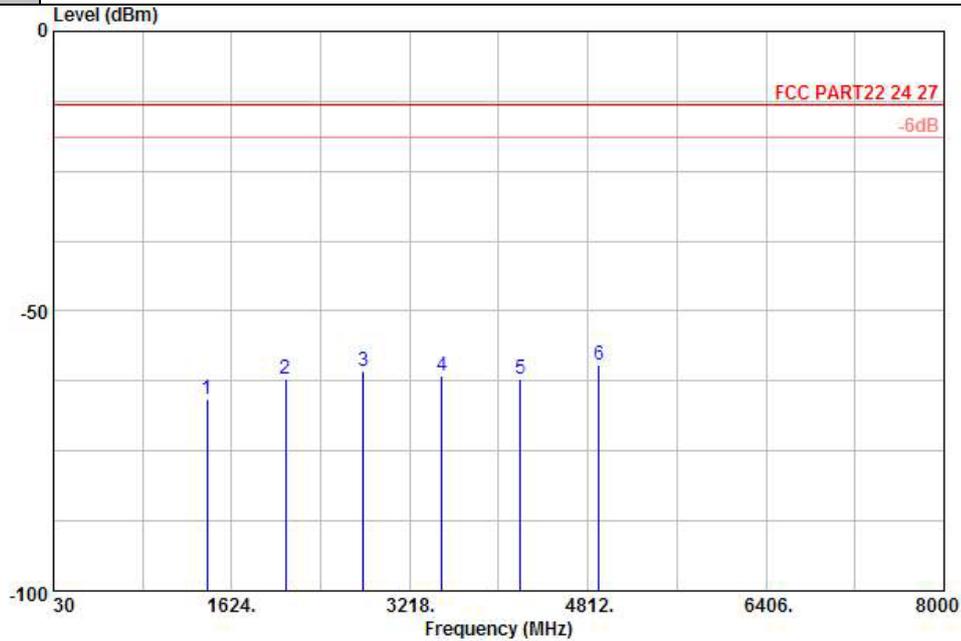
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1401	-67.12	-13	-54.12	-62.77	-67.77	0.57	3.37	V	Pass
2102	-62.37	-13	-49.37	-65.48	-64.60	0.78	5.16	V	Pass
2802	-62.07	-13	-49.07	-65.18	-65.71	0.87	6.66	V	Pass
3503	-61.28	-13	-48.28	-63.26	-65.87	0.97	7.71	V	Pass
4203	-60.59	-13	-47.59	-64.43	-66.26	1.09	8.91	V	Pass
4904	-60.76	-13	-47.76	-65.70	-67.20	1.22	9.81	V	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



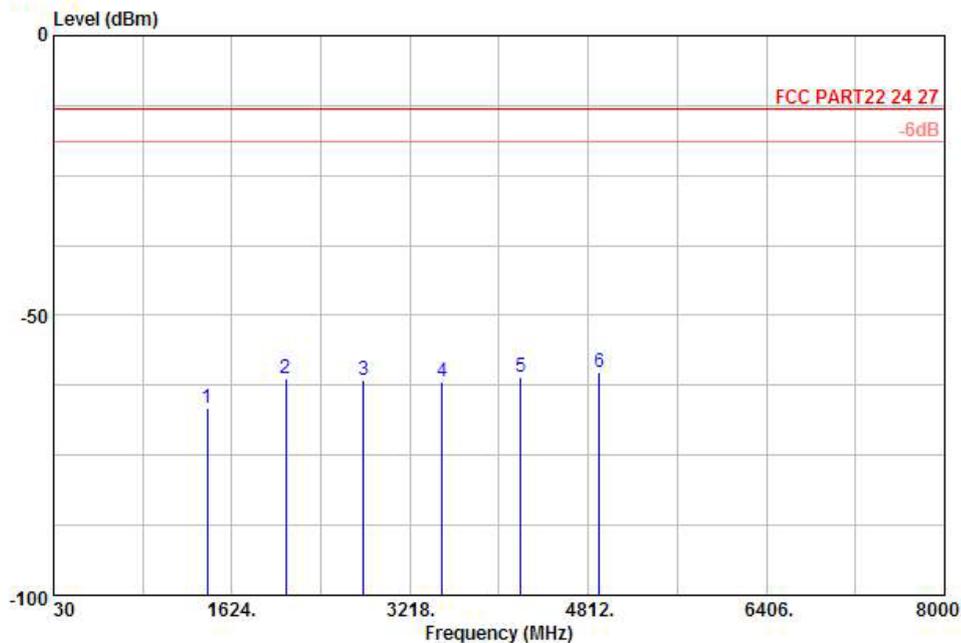
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1403	-65.81	-13	-52.81	-61.59	-66.46	0.57	3.37	H	Pass
2105	-62.12	-13	-49.12	-64.37	-64.35	0.78	5.16	H	Pass
2806	-60.66	-13	-47.66	-62.91	-64.30	0.87	6.66	H	Pass
3508	-61.65	-13	-48.65	-63.59	-66.24	0.97	7.71	H	Pass
4209	-62.24	-13	-49.24	-64.98	-67.91	1.09	8.91	H	Pass
4911	-59.57	-13	-46.57	-65.77	-66.01	1.22	9.81	H	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



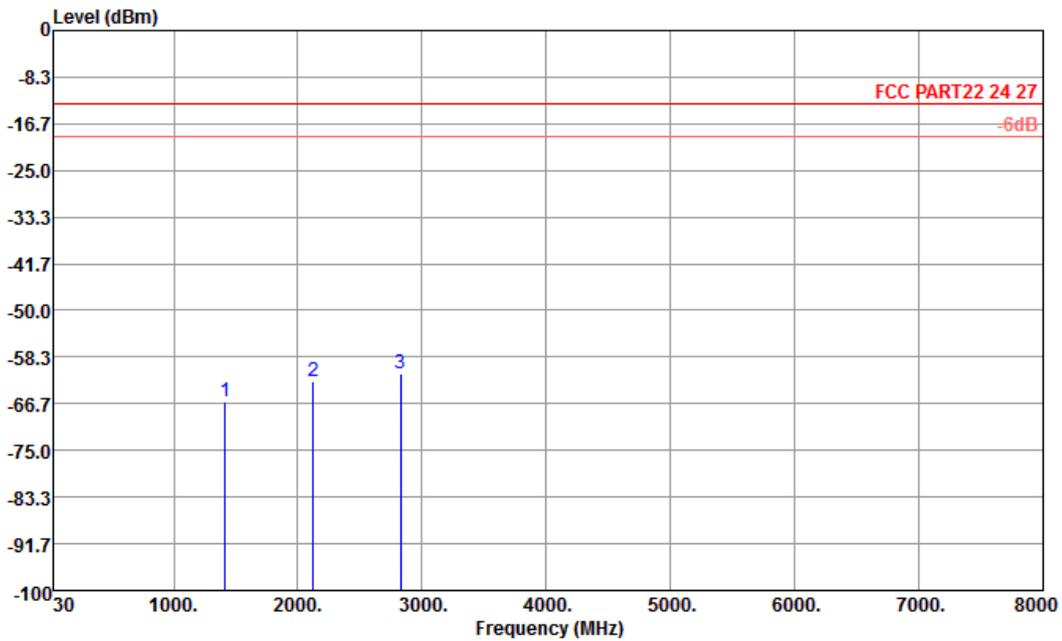
Site : 03CH01-KS
 Condition: FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1403	-66.64	-13	-53.64	-62.29	-67.29	0.57	3.37	V	Pass
2105	-61.22	-13	-48.22	-64.33	-63.45	0.78	5.16	V	Pass
2806	-61.67	-13	-48.67	-64.78	-65.31	0.87	6.66	V	Pass
3508	-61.91	-13	-48.91	-63.89	-66.50	0.97	7.71	V	Pass
4209	-61.05	-13	-48.05	-64.89	-66.72	1.09	8.91	V	Pass
4911	-60.12	-13	-47.12	-65.06	-66.56	1.22	9.81	V	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



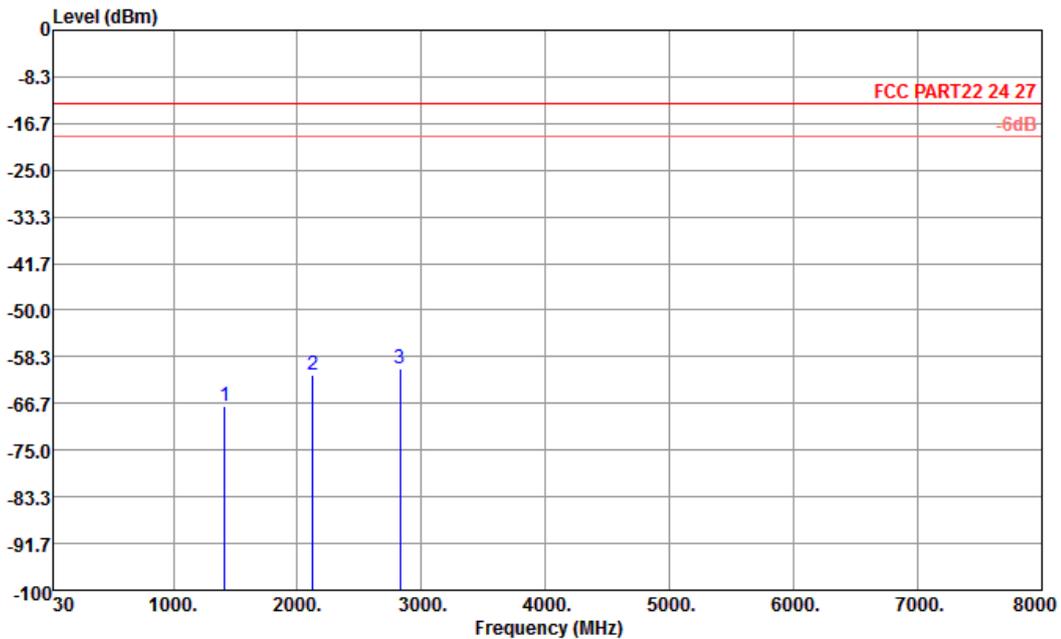
Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : H

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1415	-66.21	-13	-53.21	-61.99	-66.86	0.57	3.37	H	Pass
2122	-62.62	-13	-49.62	-64.87	-64.85	0.78	5.16	H	Pass
2830	-61.17	-13	-48.17	-63.42	-64.81	0.87	6.66	H	Pass



Band :	LTE Band 12	Temperature :	21~23°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	40~42%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



Site : 03CH01-KS
 Condition : FCC PART22 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : H

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1415	-67.20	-13	-54.20	-62.85	-67.85	0.57	3.37	V	Pass
2122	-61.49	-13	-48.49	-64.60	-63.72	0.78	5.16	V	Pass
2830	-60.49	-13	-47.49	-63.60	-64.13	0.87	6.66	V	Pass

3.6 Frequency Stability Measurement

3.6.1 Description of Frequency Stability Measurement

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency band. For equipment authorization purposes, this is a reporting requirement only.

3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

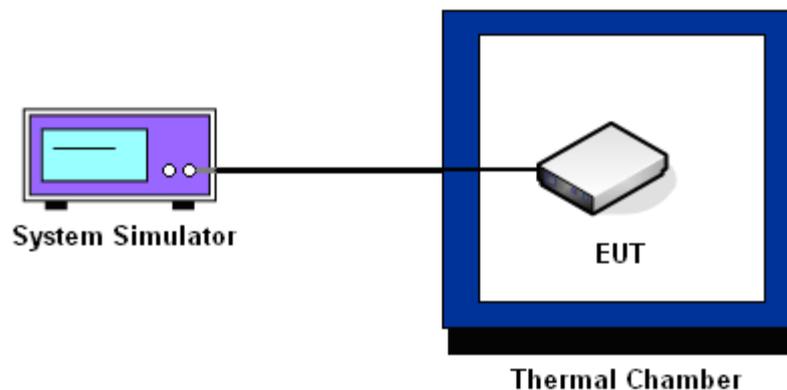
3.6.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.
4. If the EUT cannot be turned on at -30°C , the testing lowest temperature will be raised in 10°C step until the EUT can be turned on.

3.6.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case

3.6.5 Test Setup



3.6.6 Test Result of Temperature Variation

Band :	LTE Band 2			Limit (ppm) :	2.5
Temperature (°C)	1.4MHz		3MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	-2.3	-0.003	1.2	0.002	PASS
-20	1.2	0.002	-0.6	-0.001	
-10	-1.6	-0.002	2.1	0.003	
0	0.5	0.001	0.5	0.001	
10	1.9	0.003	3.1	0.004	
20	2.1	0.003	-0.5	-0.001	
30	0.5	0.001	0.9	0.001	
40	-2.1	-0.003	-1.2	-0.002	
50	-1.2	-0.002	2.6	0.004	
55	0.7	0.001	2.1	0.003	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 2			Limit (ppm) :	2.5
Temperature (°C)	5MHz		10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	-1.3	-0.002	-1.3	-0.002	PASS
-20	2.1	0.003	2.1	0.003	
-10	-1.2	-0.002	-1.3	-0.002	
0	3.1	0.004	2.1	0.003	
10	-1.2	-0.002	1.6	0.002	
20	3.1	0.004	-2.1	-0.003	
30	2.0	0.003	1.6	0.002	
40	-0.5	-0.001	-0.6	-0.001	
50	-1.2	-0.002	0.1	0.000	
55	1.9	0.003	-1.3	-0.002	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.



Band :	LTE Band 2		Limit (ppm) :	2.5	
Temperature (°C)	15MHz		20MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	0.3	0.000	1.2	0.002	PASS
-20	-1.2	-0.002	0.3	0.000	
-10	1.3	0.002	0.9	0.001	
0	2.0	0.003	1.3	0.002	
10	2.9	0.004	-0.9	-0.001	
20	-0.6	-0.001	-0.3	0.000	
30	2.1	0.003	0.6	0.001	
40	-0.6	-0.001	-0.9	-0.001	
50	-1.3	-0.002	1.2	0.002	
55	-0.9	-0.001	-0.6	-0.001	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 4		Limit (ppm) :	2.5	
Temperature (°C)	1.4MHz		3MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	-2.5	-0.004	-1.5	-0.002	PASS
-20	-0.4	-0.001	-2.3	-0.003	
-10	-4.7	-0.007	-1.9	-0.003	
0	-0.8	-0.001	1.5	0.002	
10	-0.5	-0.001	1.9	0.003	
20	-2.0	-0.003	2.3	0.003	
30	-0.7	-0.001	-2.5	-0.004	
40	-4.2	-0.006	-1.8	-0.003	
50	1.3	0.002	-2.5	-0.004	
55	2.1	0.003	-2.6	-0.004	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.



Band :	LTE Band 4			Limit (ppm) :	2.5
Temperature (°C)	5MHz		10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	0.5	0.001	1.7	0.002	PASS
-20	-0.4	-0.001	-5.7	-0.008	
-10	-1.9	-0.003	1.5	0.002	
0	0.3	0.000	0.6	0.001	
10	-0.6	-0.001	-4.1	-0.006	
20	-1.9	-0.003	-1.3	-0.002	
30	1.2	0.002	-3.9	-0.005	
40	-0.4	-0.001	-6.3	-0.009	
50	1.7	0.002	2.3	0.003	
55	0.6	0.001	-1.6	-0.002	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 4			Limit (ppm) :	2.5
Temperature (°C)	15MHz		20MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	7.3	0.010	2.3	0.003	PASS
-20	-1.1	-0.002	-2.1	-0.003	
-10	1.4	0.002	1.2	0.002	
0	1.5	0.002	-1.9	-0.003	
10	-1.2	-0.002	2.1	0.003	
20	-2.6	-0.004	-0.6	-0.001	
30	4.9	0.007	1.2	0.002	
40	0.4	0.001	-1.9	-0.003	
50	1.1	0.002	2.8	0.004	
55	-1.2	-0.002	1.6	0.002	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.



Band :	LTE Band 5			Limit (ppm) :	2.5
Temperature (°C)	1.4MHz		3MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	2.3	0.003	-2.3	-0.003	PASS
-20	1.2	0.002	2.1	0.003	
-10	0.3	0.000	2.2	0.003	
0	-1.2	-0.002	-3.1	-0.004	
10	0.9	0.001	0.5	0.001	
20	0.8	0.001	1.5	0.002	
30	0.2	0.000	-2.1	-0.003	
40	1.6	0.002	1.9	0.003	
50	1.8	0.003	-2.0	-0.003	
55	2.1	0.003	-1.3	-0.002	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 5			Limit (ppm) :	2.5
Temperature (°C)	5MHz		10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	2.3	0.003	-2.3	-0.003	PASS
-20	1.2	0.002	1.2	0.002	
-10	0.5	0.001	3.2	0.005	
0	-0.6	-0.001	-2.5	-0.004	
10	0.2	0.000	-3.2	-0.005	
20	1.7	0.002	0.5	0.001	
30	1.1	0.002	1.9	0.003	
40	-1.9	-0.003	1.9	0.003	
50	2.1	0.003	-3.1	-0.004	
55	-2.3	-0.003	1.4	0.002	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.



Band :	LTE Band 12		Limit (ppm) :	2.5	
Temperature (°C)	1.4MHz		3MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	-2.3	-0.003	0.5	0.001	PASS
-20	1.3	0.002	0.5	0.001	
-10	-0.5	-0.001	-2.6	-0.004	
0	0.5	0.001	-1.3	-0.002	
10	-0.9	-0.001	0.5	0.001	
20	0.7	0.001	0.7	0.001	
30	-0.6	-0.001	-0.6	-0.001	
40	1.5	0.002	-1.9	-0.003	
50	1.9	0.003	-2.9	-0.004	
55	2.3	0.003	2.3	0.003	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 12		Limit (ppm) :	2.5	
Temperature (°C)	5MHz		10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	0.6	0.001	-1.3	-0.002	PASS
-20	-0.4	-0.001	2.3	0.003	
-10	-2.3	-0.003	-2.6	-0.004	
0	1.6	0.002	2.3	0.003	
10	0.7	0.001	1.6	0.002	
20	-1.3	-0.002	2.4	0.003	
30	0.6	0.001	0.6	0.001	
40	0.9	0.001	0.8	0.001	
50	2.1	0.003	-1.2	-0.002	
55	1.3	0.002	1.6	0.002	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

3.6.7 Test Result of Voltage Variation

Band	Band Width & Channel	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 2	1.4MHz	3.7	0.3	0.000	2.5	PASS
		3.5	1.2	0.002		
		4.2	2.3	0.003		
	3MHz	3.7	-1.3	-0.002		
		3.5	-0.6	-0.001		
		4.2	-1.4	-0.002		
	5MHz	3.7	-0.6	-0.001		
		3.5	2.1	0.003		
		4.2	1.3	0.002		
	10MHz	3.7	-0.6	-0.001		
		3.5	1.3	0.002		
		4.2	-1.2	-0.002		
	15MHz	3.7	1.6	0.002		
		3.5	-2.3	-0.003		
		4.2	2.3	0.003		
	20MHz	3.7	-2.1	-0.003		
		3.5	2.9	0.004		
		4.2	-1.3	-0.002		

Remark: Normal Voltage = 3.7V.



Band	Band Width & Channel	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 4	1.4MHz	3.7	2.3	0.003	2.5	PASS
		3.5	-1.5	-0.002		
		4.2	0.5	0.001		
	3MHz	3.7	-2.5	-0.004		
		3.5	1.6	0.002		
		4.2	1.9	0.003		
	5MHz	3.7	-2.3	-0.003		
		3.5	-0.5	-0.001		
		4.2	1.2	0.002		
	10MHz	3.7	2.3	0.003		
		3.5	0.5	0.001		
		4.2	0.6	0.001		
	15MHz	3.7	0.9	0.001		
		3.5	-1.2	-0.002		
		4.2	-2.1	-0.003		
	20MHz	3.7	0.6	0.001		
		3.5	-1.6	-0.002		
		4.2	2.9	0.004		

Remark: Normal Voltage = 3.7V.



Band	Band Width & Channel	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 5	1.4MHz	3.7	2.3	0.003	2.5	PASS
		3.5	-1.3	-0.002		
		4.2	2.4	0.003		
	3MHz	3.7	-0.6	-0.001		
		3.5	2.3	0.003		
		4.2	-1.9	-0.003		
	5MHz	3.7	2.3	0.003		
		3.5	1.2	0.002		
		4.2	-1.5	-0.002		
	10MHz	3.7	2.1	0.003		
		3.5	-2.6	-0.004		
		4.2	-1.5	-0.002		

Remark: Normal Voltage = 3.7V.

Band	Band Width & Channel	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 12	1.4MHz	3.7	-1.3	-0.002	2.5	PASS
		3.5	2.3	0.003		
		4.2	-1.2	-0.002		
	3MHz	3.7	-3.2	-0.005		
		3.5	-3.5	-0.005		
		4.2	2.3	0.003		
	5MHz	3.7	-2.1	-0.003		
		3.5	0.5	0.001		
		4.2	1.3	0.002		
	10MHz	3.7	1.6	0.002		
		3.5	2.1	0.003		
		4.2	-0.5	-0.001		

Remark: Normal Voltage = 3.7V.



3.6.8 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100055	9kHz~40GHz	Jun. 06, 2012	Jul. 11, 2012~ Jul. 20, 2012	Jun. 05, 2013	Conducted (TH02-HY)
DC Power Supply	TOPWARD	3303D	740889	N/A	May 29, 2012	Jul. 11, 2012~ Jul. 20, 2012	May 28, 2013	Conducted (TH02-HY)
Thermal	Ten Billion	TTH-D35P	TBN-930701	N/A	Jul. 27, 2011	Jul. 11, 2012~ Jul. 20, 2012	Jul. 26, 2012	Conducted (TH02-HY)
LTE Base Station	Anritsu	MT8820C	6200930978	N/A	Dec. 27, 2011	Jul. 11, 2012~ Jul. 20, 2012	Dec. 28, 2012	Conducted (TH02-HY)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Jul. 11, 2012~ Nov. 23, 2012	Dec. 29, 2012	Conducted (TH01-KS)
DC Power Supply	GWINSTEK	GPS-3030D	E1884515	N/A	Aug. 23, 2011	Jul. 11, 2012~ Jul. 23, 2012	Aug. 22, 2012	Conducted (TH01-KS)
DC Power Supply	GWINSTEK	GPS-3030D	E1884515	N/A	Aug. 22, 2012	Nov. 23, 2012	Aug. 21, 2013	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	N/A	Dec. 30, 2011	Jul. 11, 2012~ Nov. 23, 2012	Dec. 29, 2012	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 09, 2011	Jul. 11, 2012~ Jul. 19, 2012	Nov. 08, 2012	Radiation (03CH01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 08, 2012	Nov. 22, 2012	Nov. 07, 2013	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Jul. 11, 2012~ Nov. 22, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 08, 2011	Jul. 11, 2012~ Nov. 22, 2012	Dec. 07, 2012	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 06, 2012	Jul. 11, 2012~ Nov. 22, 2012	Jan. 05, 2013	Radiation (03CH01-KS)
Amplifier	Wireless	FPA-6592G	060007	30MHz~2GHz	Dec. 30, 2011	Jul. 11, 2012~ Nov. 22, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Dec. 30, 2011	Jul. 11, 2012~ Nov. 22, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
SHE-EHF Horn	Schwarzbeck	BBHA9170	BBHA170249	15GHz-40GHz	Oct. 11, 2011	Jul. 11, 2012~ Jul. 19, 2012	Oct. 10, 2012	Radiation (03CH01-KS)
SHE-EHF Horn	Schwarzbeck	BBHA9170	BBHA170249	15GHz-40GHz	Oct. 10, 2012	Nov. 22, 2012	Oct. 09, 2013	Radiation (03CH01-KS)
Loop Antenna	R&S	HFH2-Z2	860004/00	9kHz~30 MHz	Jul. 03, 2012	Jul. 11, 2012~ Nov. 22, 2012	Jul. 02, 2014	Radiation (03CH01-KS)
Radio Communication Analyzer	Anritsu	MT8820C	6201074235	LTE_FDD full band	Dec. 30, 2011	Jul. 11, 2012~ Nov. 23, 2012	Dec. 29, 2012	-



4 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.54
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95%(U = 2Uc(y))	4.72
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Appendix A. Photographs of EUT

Please refer to Sporton report number EP261903-02 as below.