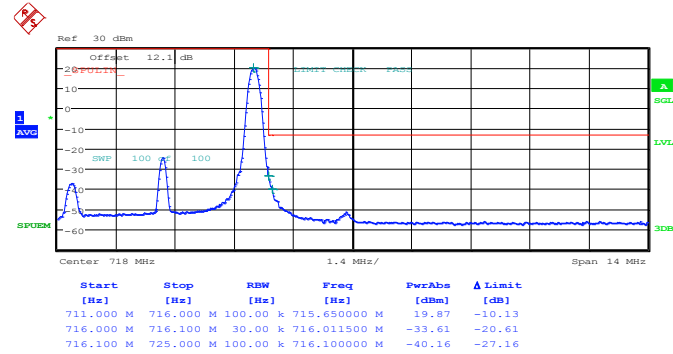


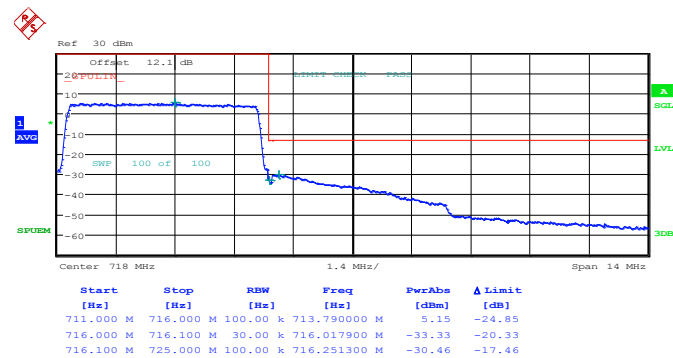


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 25.MAR.2014 13:00:46

Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

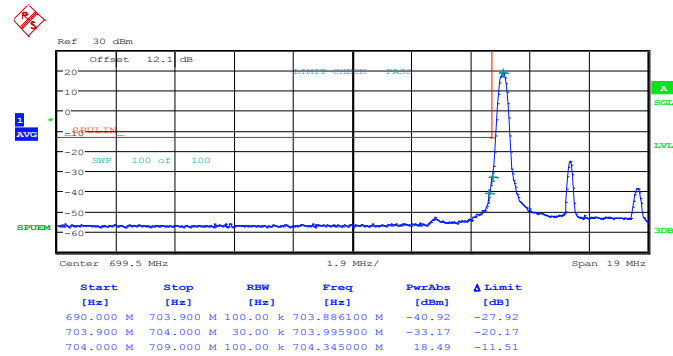


Date: 25.MAR.2014 13:02:18



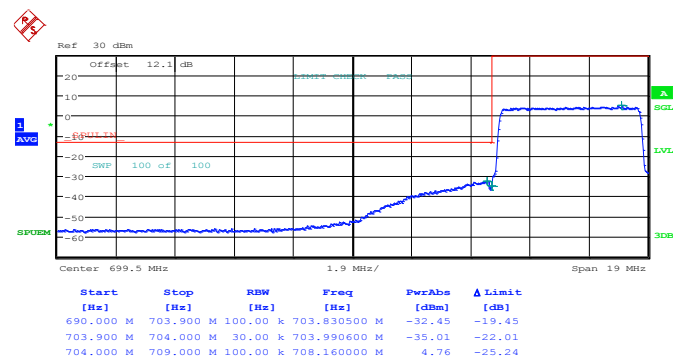
Band :	LTE Band 17	Band Width :	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 25.MAR.2014 12:52:21

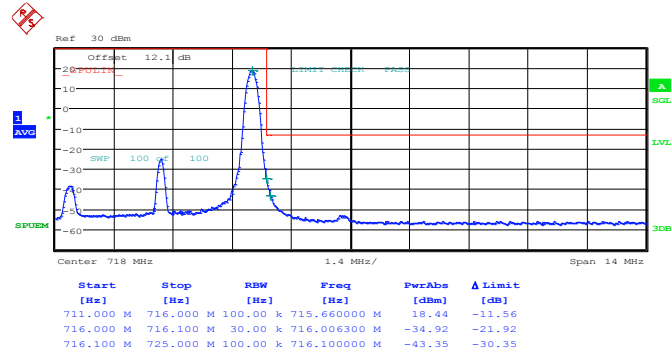
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 25.MAR.2014 12:53:54

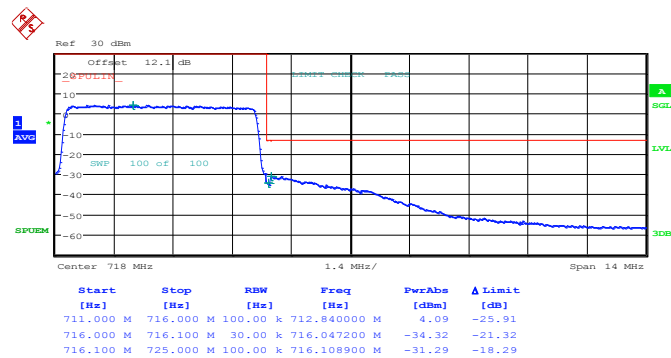


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 25.MAR.2014 13:01:32

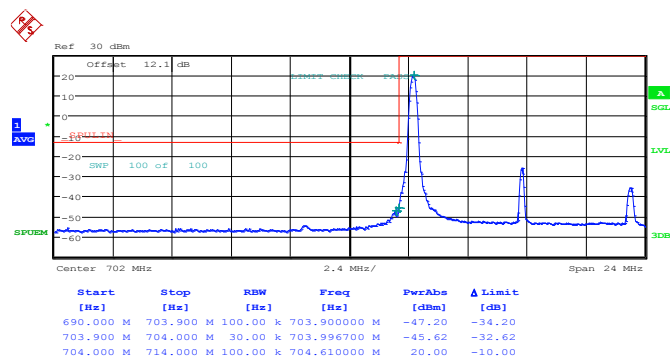
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 25.MAR.2014 13:03:05

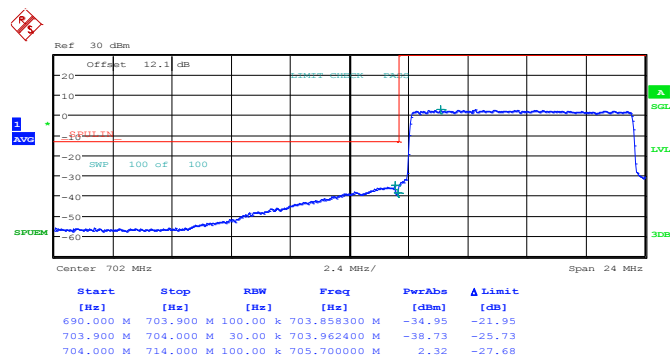
Band :	LTE Band 17	Band Width :	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



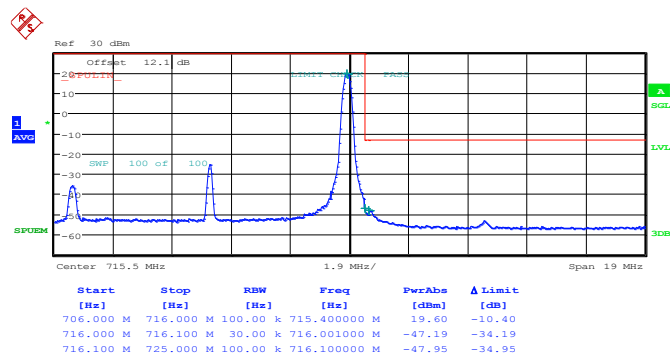
Date: 25.MAR.2014 13:06:54

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



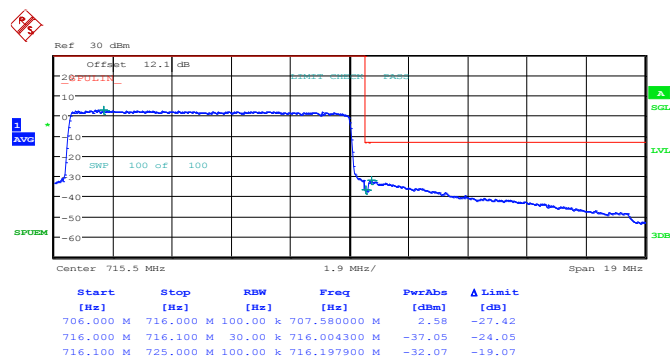
Date: 25.MAR.2014 13:08:27

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



Date: 25.MAR.2014 13:16:05

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

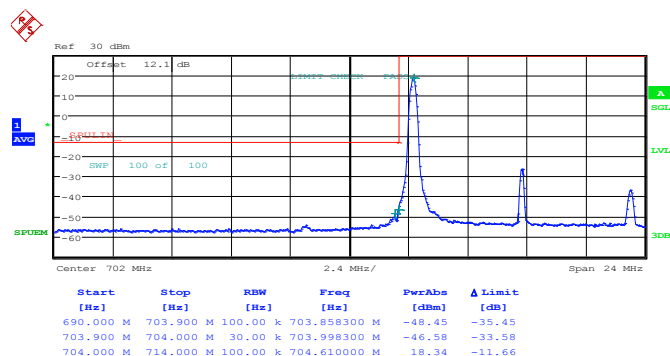


Date: 25.MAR.2014 13:17:38



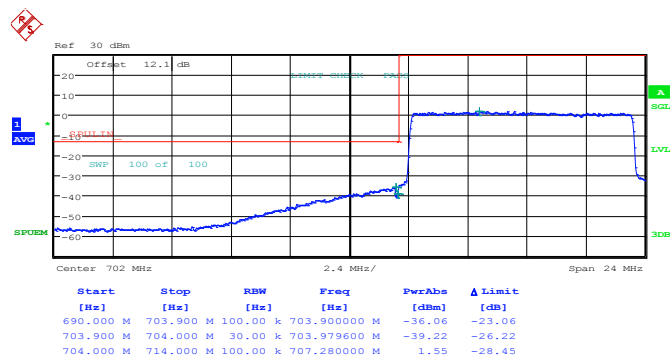
Band :	LTE Band 17	Band Width :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 25.MAR.2014 13:07:41

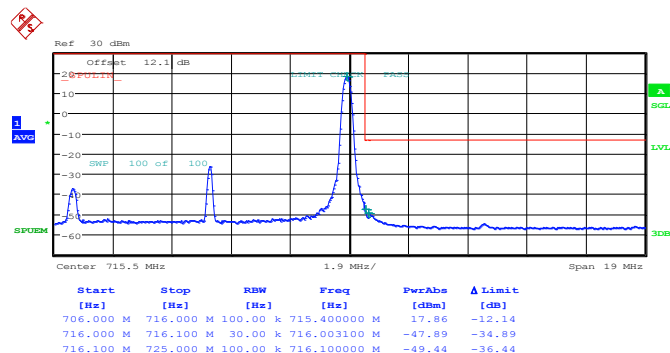
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 25.MAR.2014 13:09:13

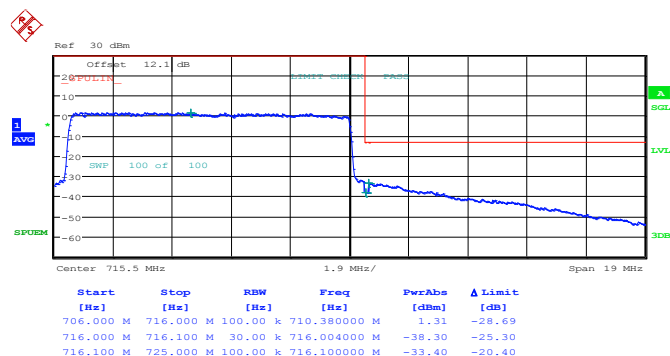


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Date: 25.MAR.2014 13:16:51

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

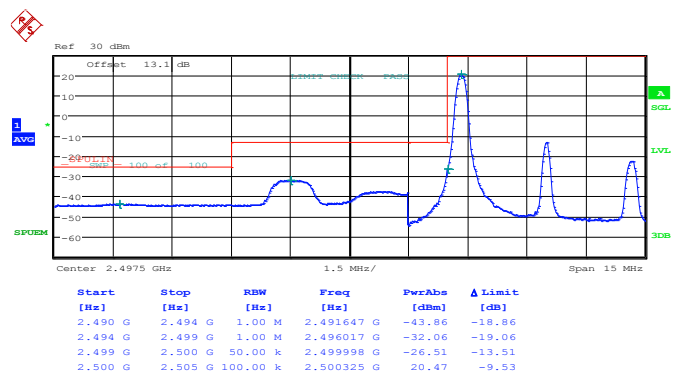


Date: 25.MAR.2014 13:18:24



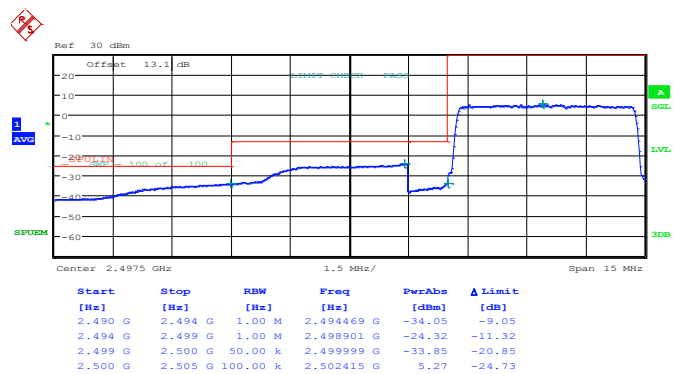
Band :	LTE Band 7	Band Width :	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 25.MAR.2014 13:25:13

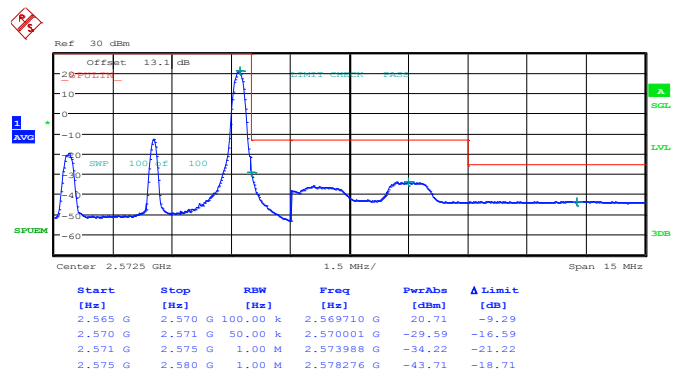
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 25.MAR.2014 13:26:46

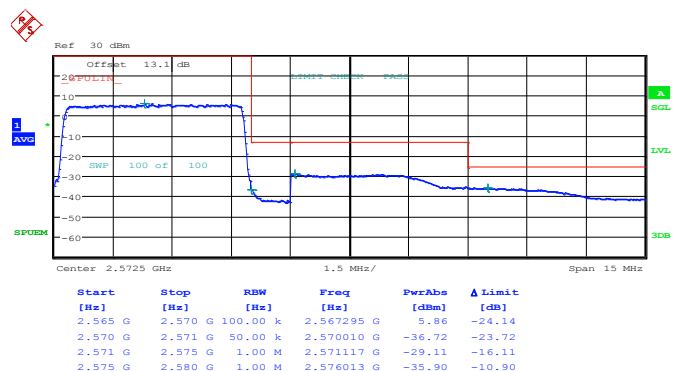


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 25.MAR.2014 13:34:11

Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

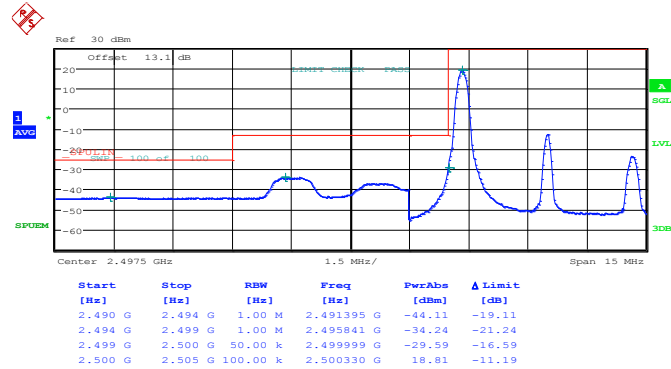


Date: 25.MAR.2014 13:35:42



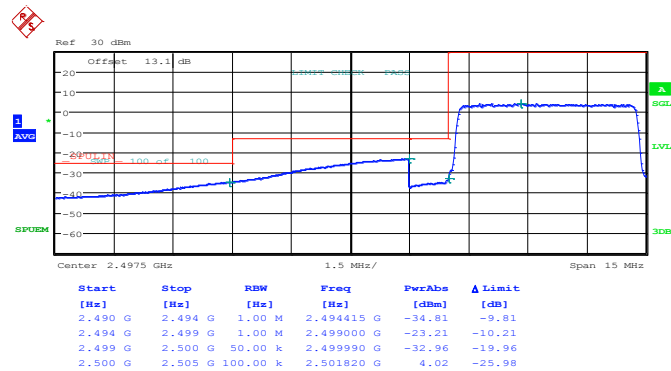
Band :	LTE Band 7	Band Width :	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 25.MAR.2014 13:25:59

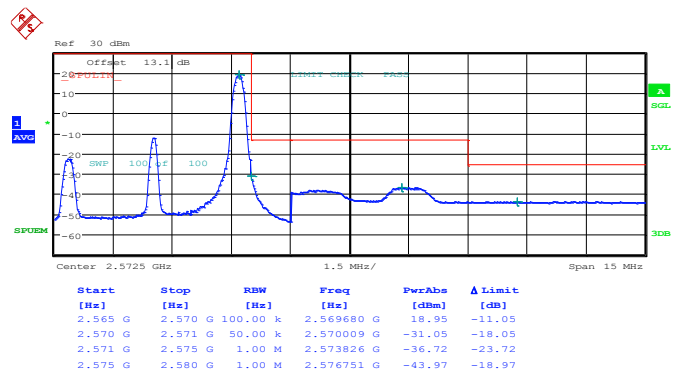
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 25.MAR.2014 13:27:32

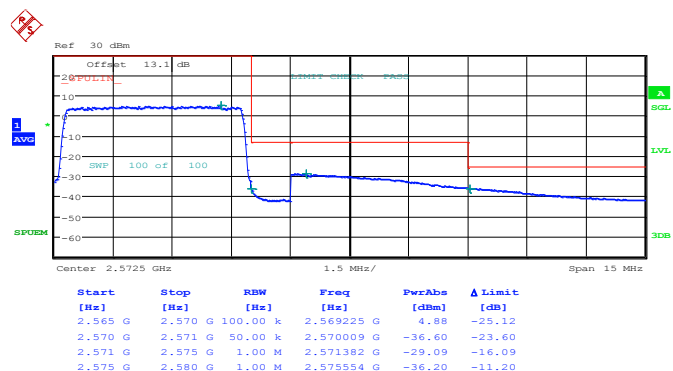


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 25.MAR.2014 13:34:57

Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0

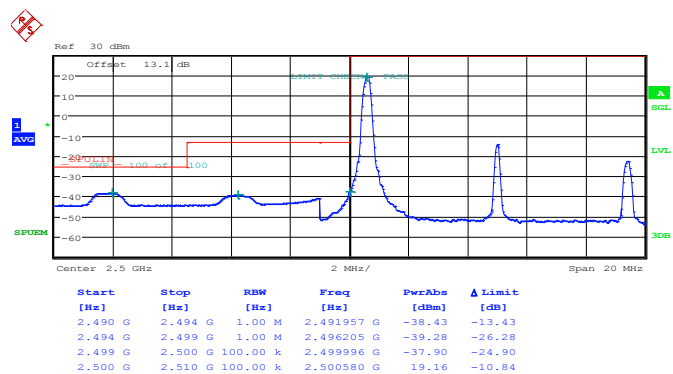


Date: 25.MAR.2014 13:36:27



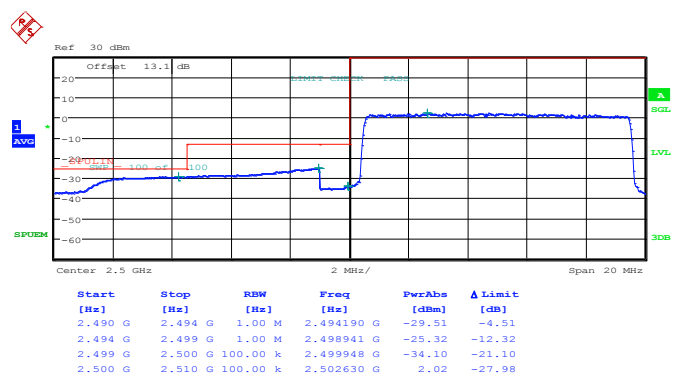
Band :	LTE Band 7	Band Width :	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



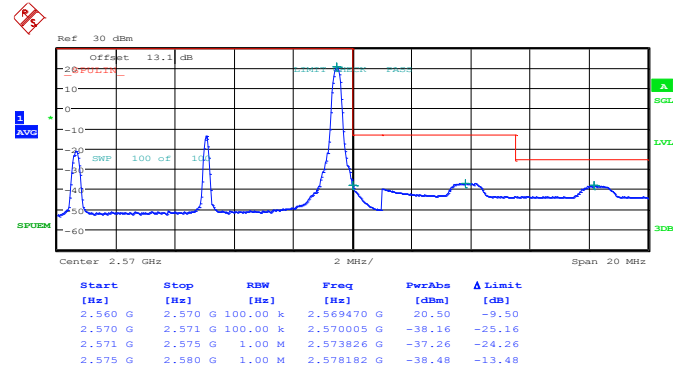
Date: 25.MAR.2014 13:48:18

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



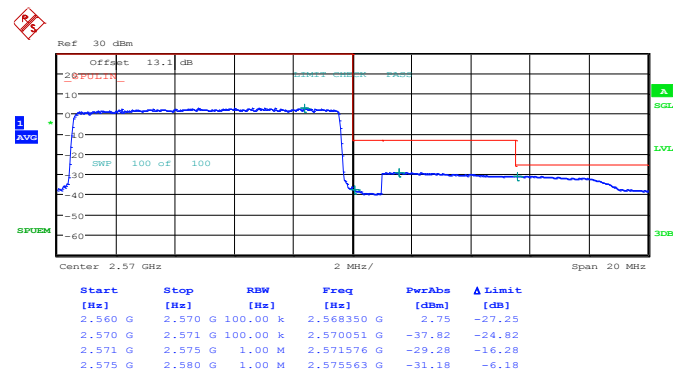
Date: 25.MAR.2014 13:49:50

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



Date: 25.MAR.2014 13:57:39

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

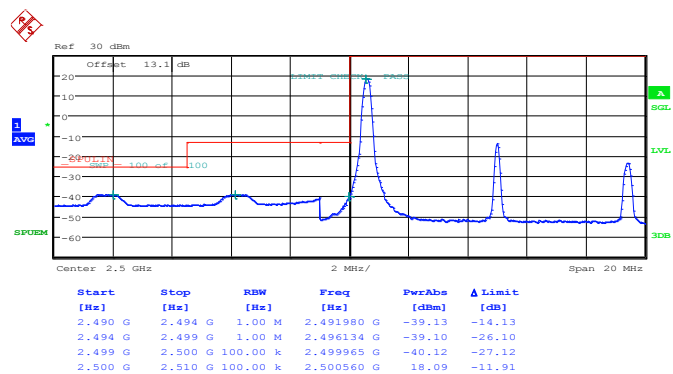


Date: 25.MAR.2014 13:59:10



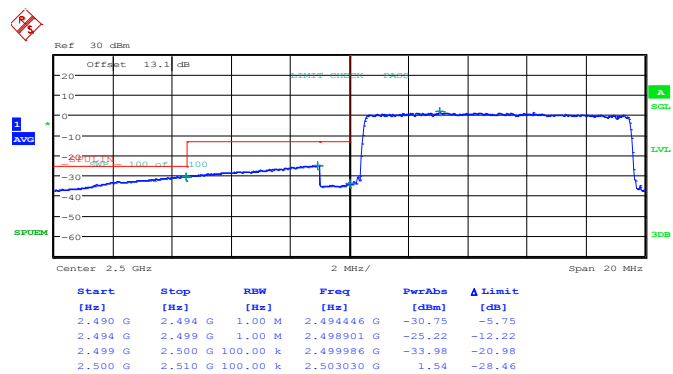
Band :	LTE Band 7	Band Width :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

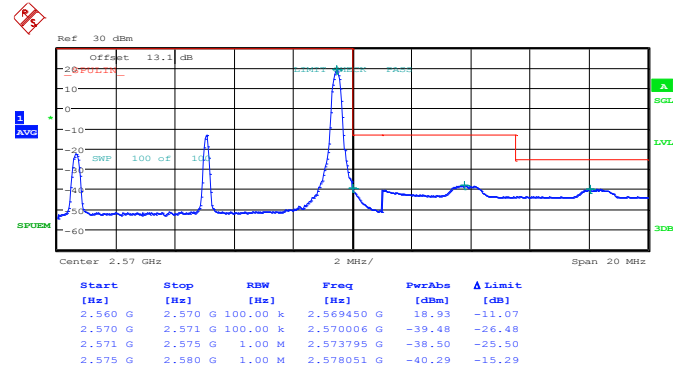


Date: 25.MAR.2014 13:49:04

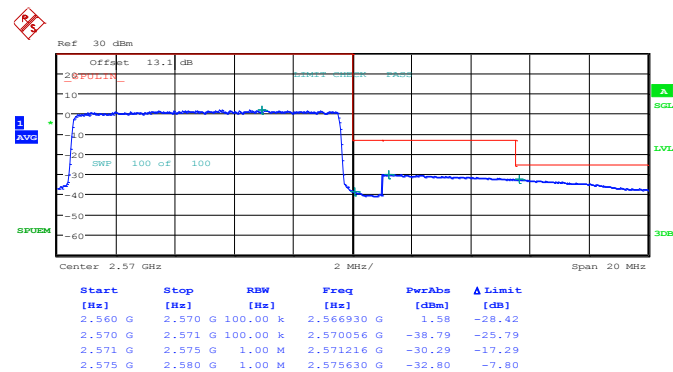
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 25.MAR.2014 13:50:36

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


Date: 25.MAR.2014 13:58:24

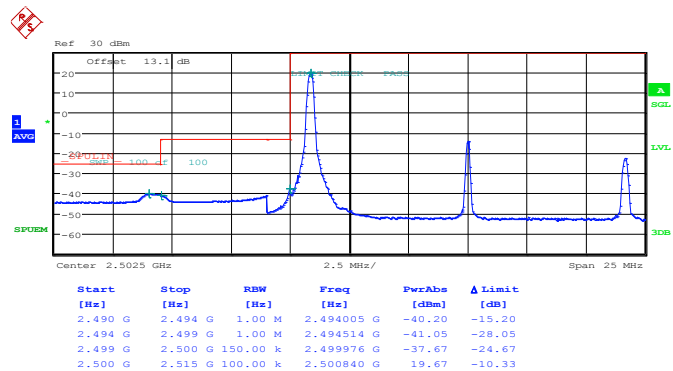
Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0


Date: 25.MAR.2014 13:59:56



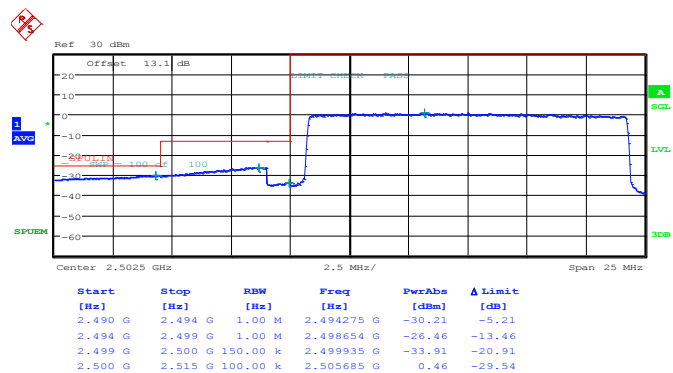
Band :	LTE Band 7	Band Width :	15MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 25.MAR.2014 14:04:11

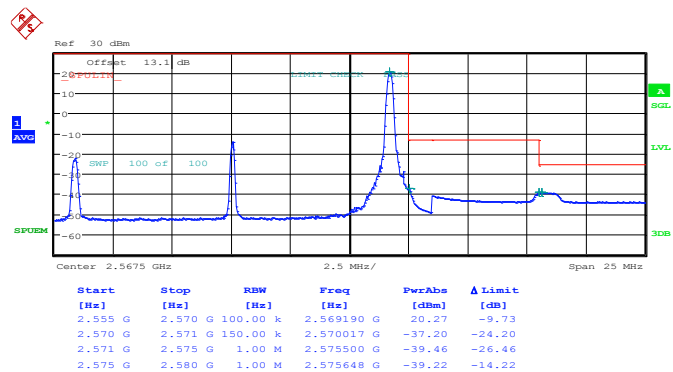
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 25.MAR.2014 14:05:42

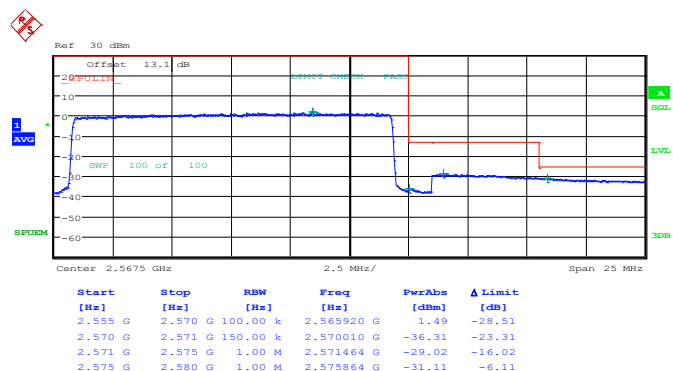


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 25.MAR.2014 14:13:30

Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

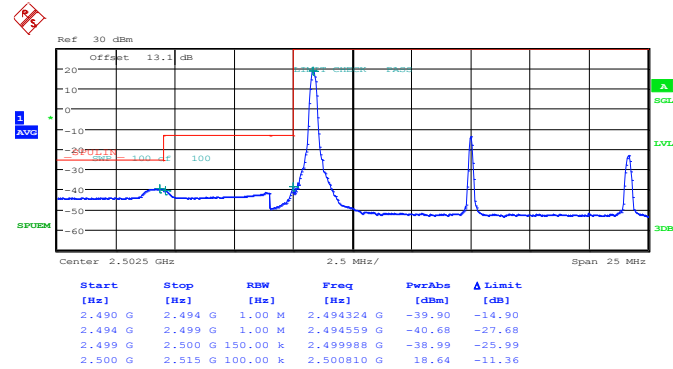


Date: 25.MAR.2014 14:15:01



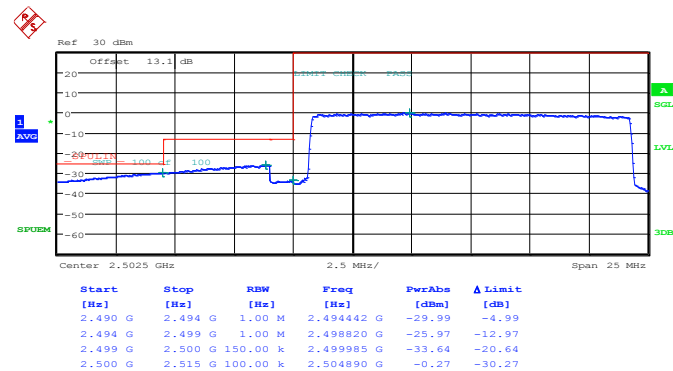
Band :	LTE Band 7	Band Width :	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 25.MAR.2014 14:04:56

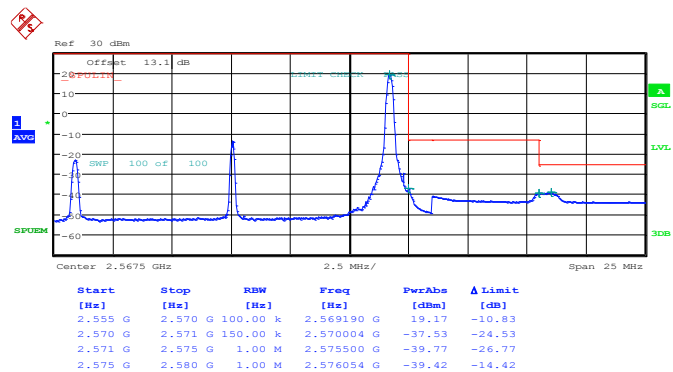
Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Date: 25.MAR.2014 14:06:28

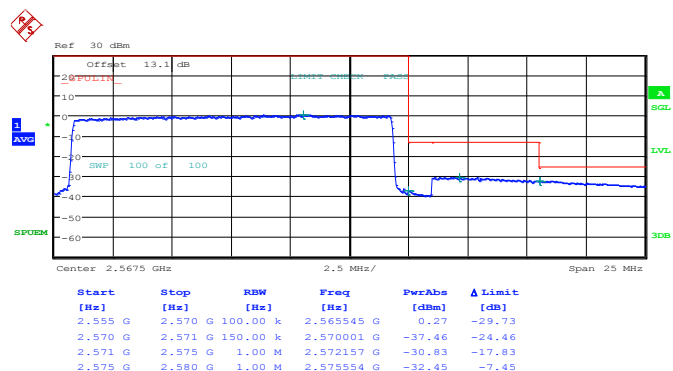


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Date: 25.MAR.2014 14:14:16

Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

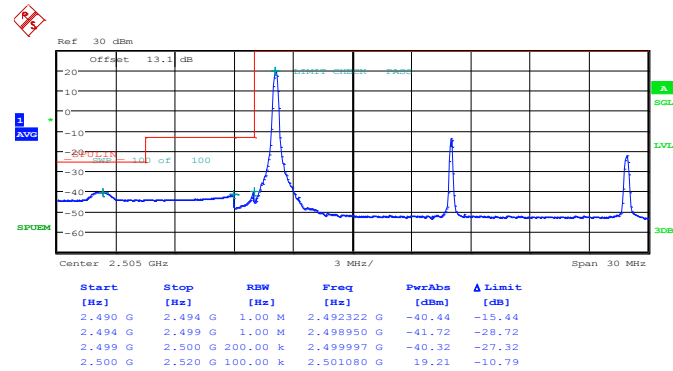


Date: 25.MAR.2014 14:15:47



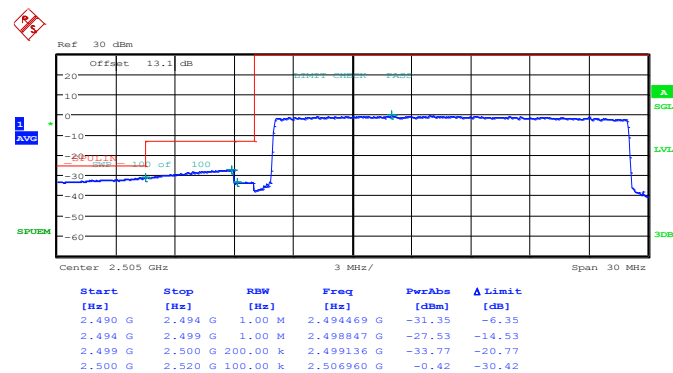
Band :	LTE Band 7	Band Width :	20MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 25.MAR.2014 14:20:34

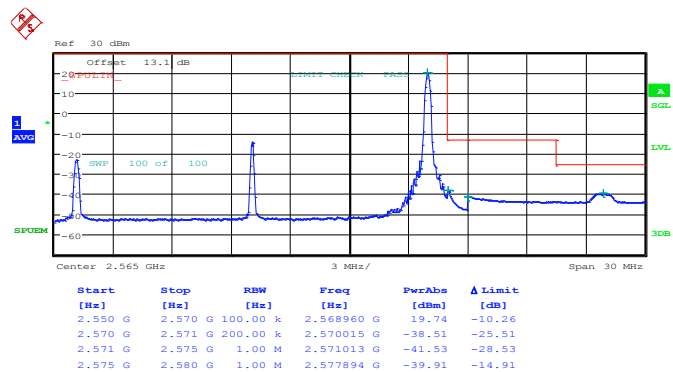
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 25.MAR.2014 14:22:05

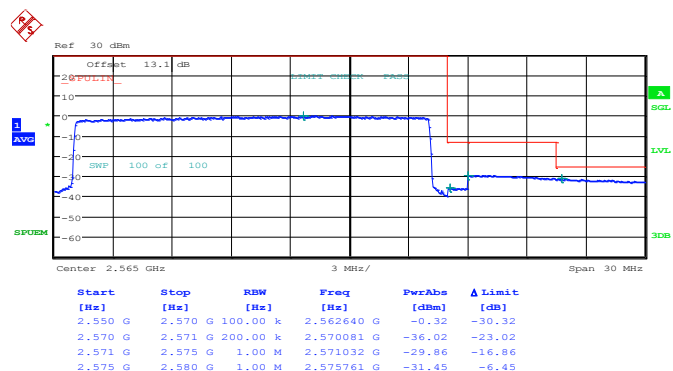


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Date: 25.MAR.2014 14:29:54

Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

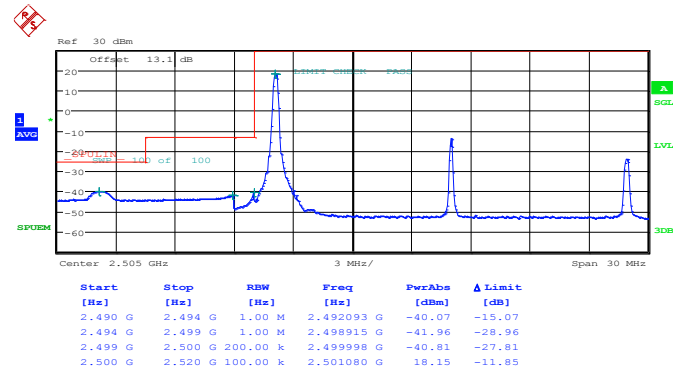


Date: 25.MAR.2014 14:32:10



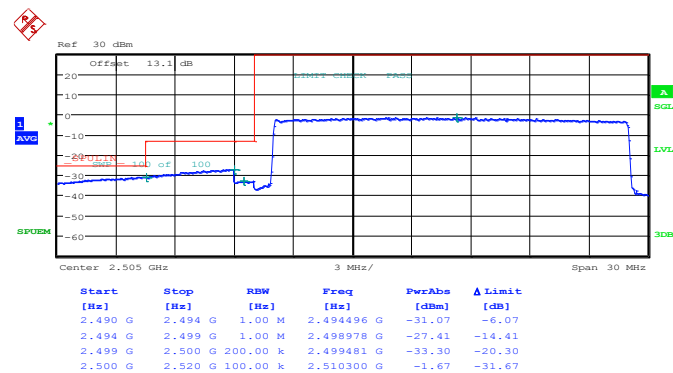
Band :	LTE Band 7	Band Width :	20MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 25.MAR.2014 14:21:20

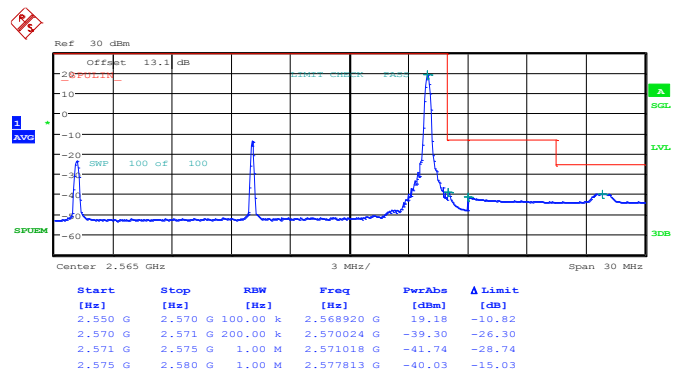
Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Date: 25.MAR.2014 14:22:51

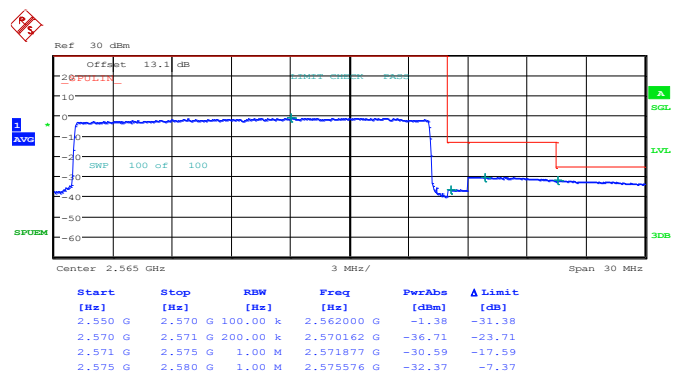


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Date: 25.MAR.2014 14:30:39

Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Date: 25.MAR.2014 14:31:25

3.6 Conducted Spurious Emission Measurement

3.6.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 10th harmonic.

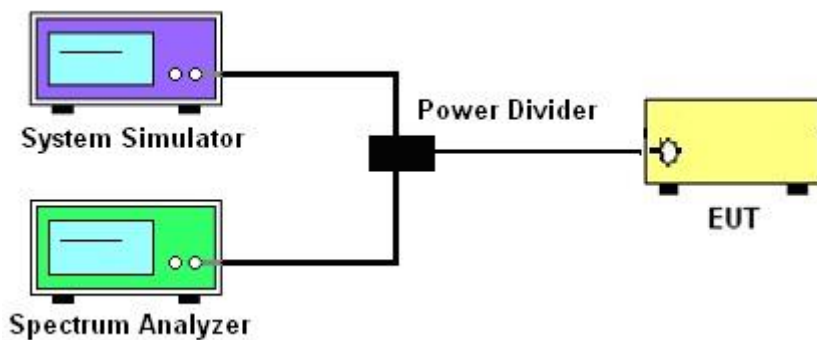
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm.

3.6.4 Test Setup

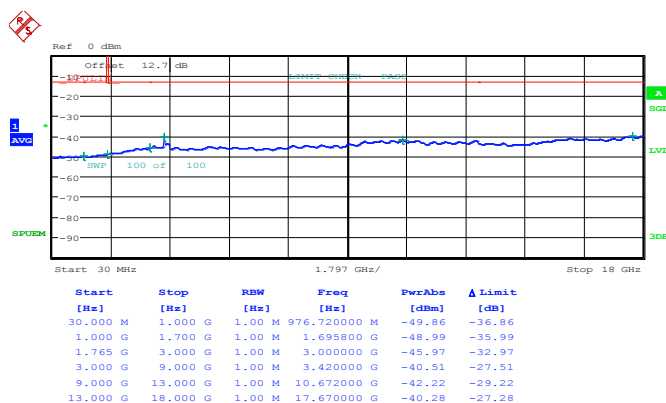




3.6.5 Test Result (Plots) of Conducted Spurious Emission

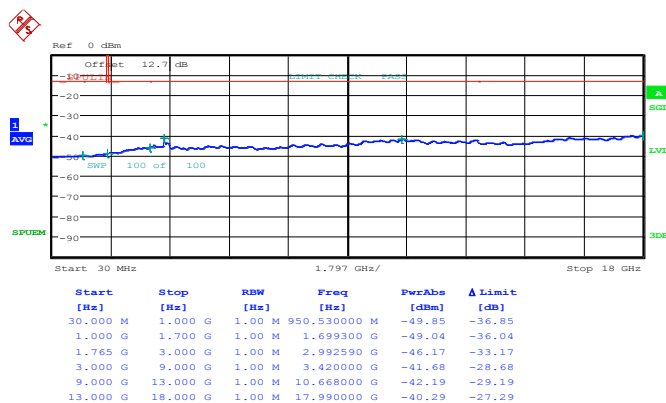
Band :	LTE Band 4	Channel :	CH19957 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 09:43:33

16QAM (RB Size 1, RB Offset 0)

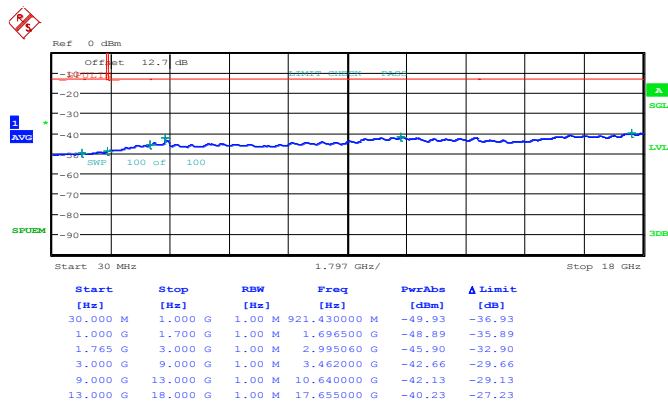


Date: 25.MAR.2014 09:44:32



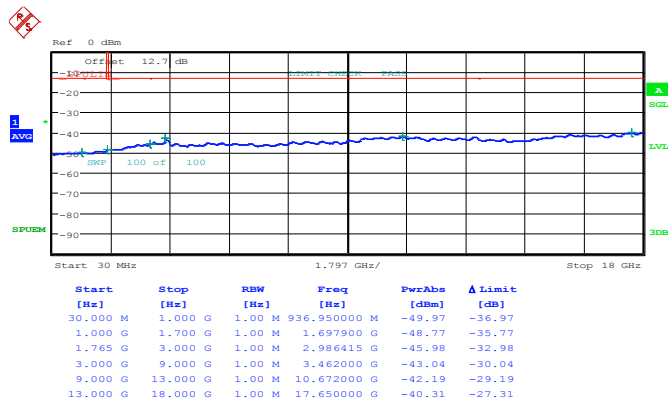
Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 09:46:36

16QAM (RB Size 1, RB Offset 0)

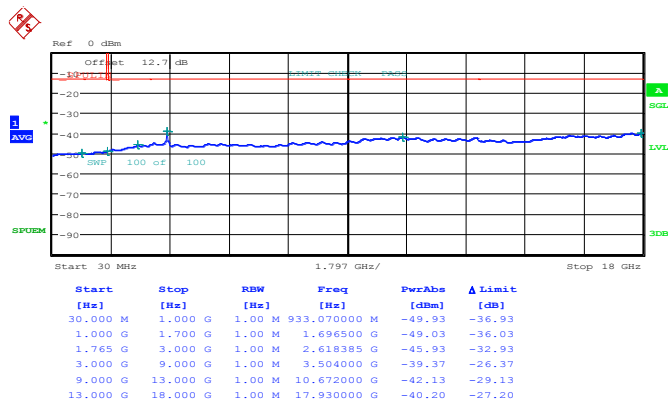


Date: 25.MAR.2014 09:47:36



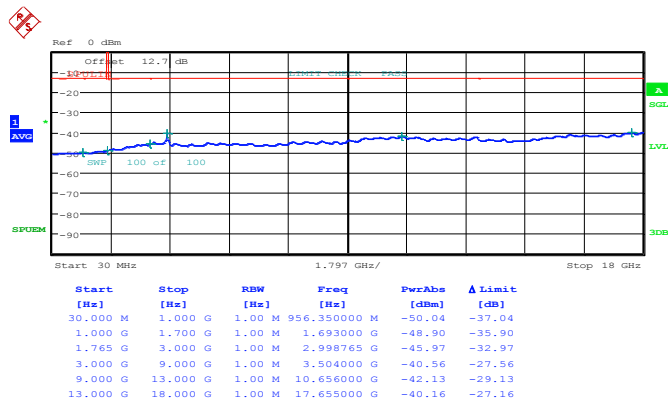
Band :	LTE Band 4	Channel :	CH20393 (High)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 09:52:46

16QAM (RB Size 1, RB Offset 0)

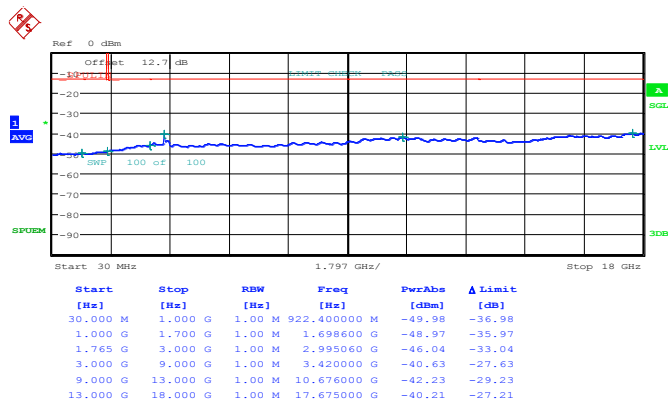


Date: 25.MAR.2014 09:53:46



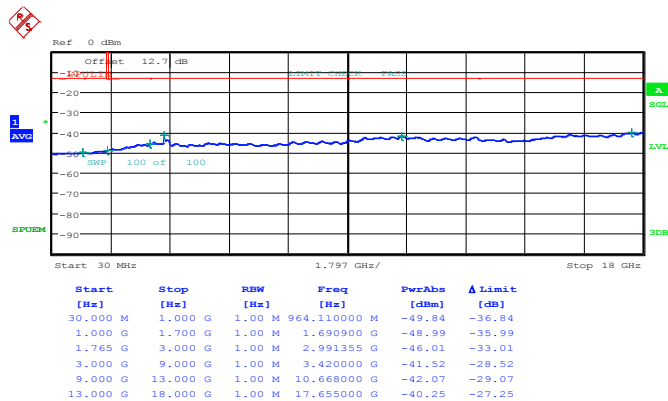
Band :	LTE Band 4	Channel :	CH19965 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 09:59:54

16QAM (RB Size 1, RB Offset 0)

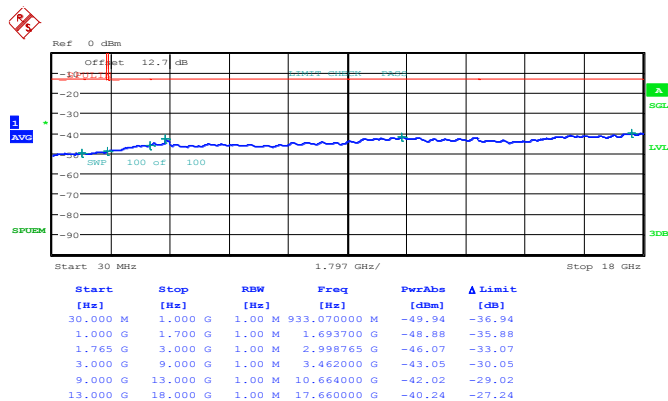


Date: 25.MAR.2014 10:00:54



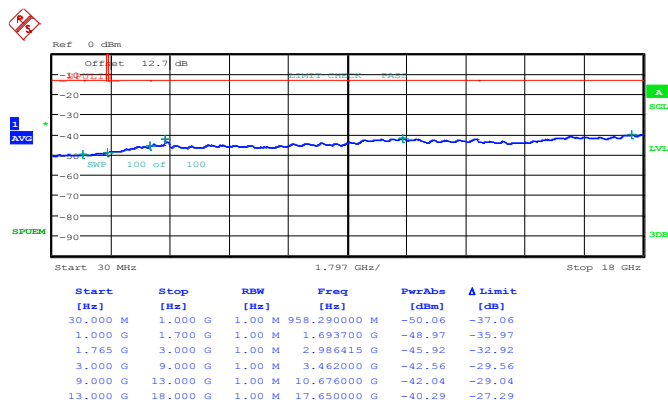
Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:03:58

16QAM (RB Size 1, RB Offset 0)

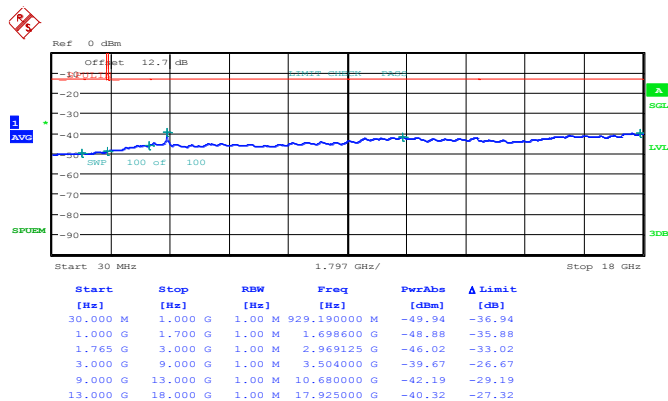


Date: 25.MAR.2014 10:02:58



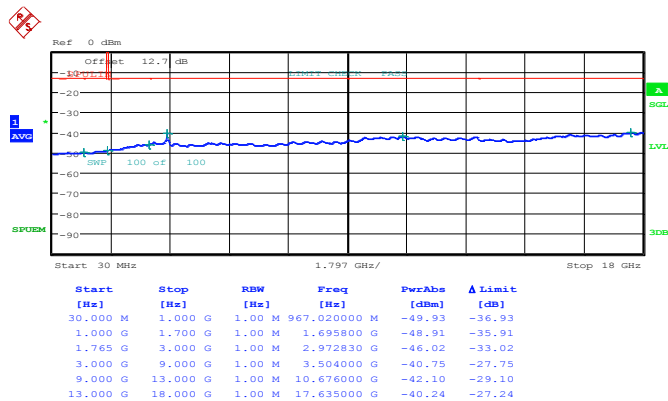
Band :	LTE Band 4	Channel :	CH20385 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:09:09

16QAM (RB Size 1, RB Offset 0)

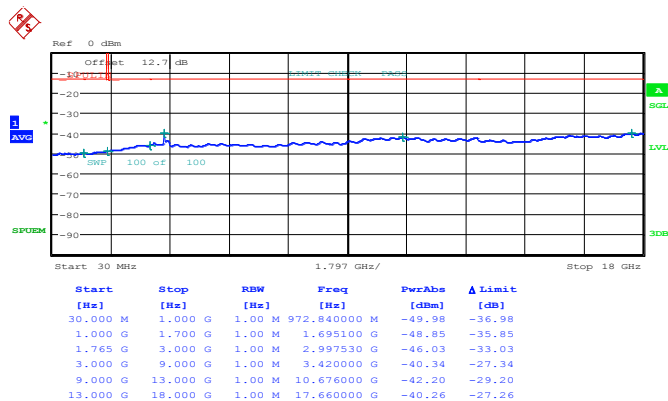


Date: 25.MAR.2014 10:10:09



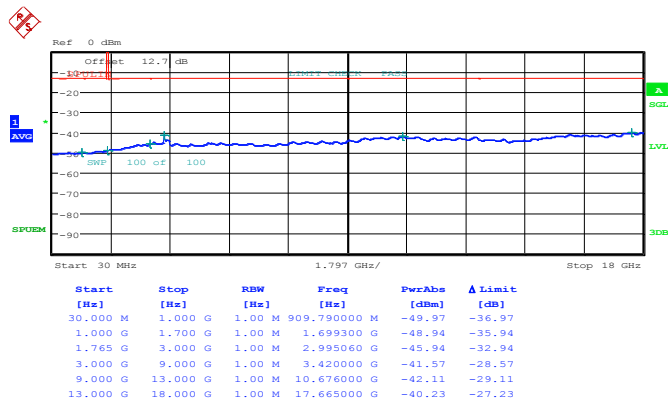
Band :	LTE Band 4	Channel :	CH19975 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:15:19

16QAM (RB Size 1, RB Offset 0)

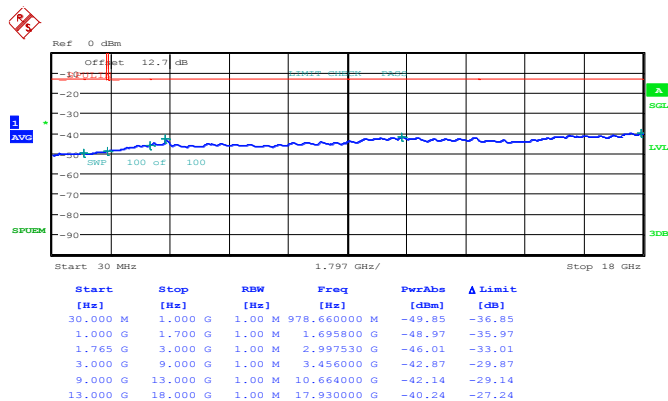


Date: 25.MAR.2014 10:16:19



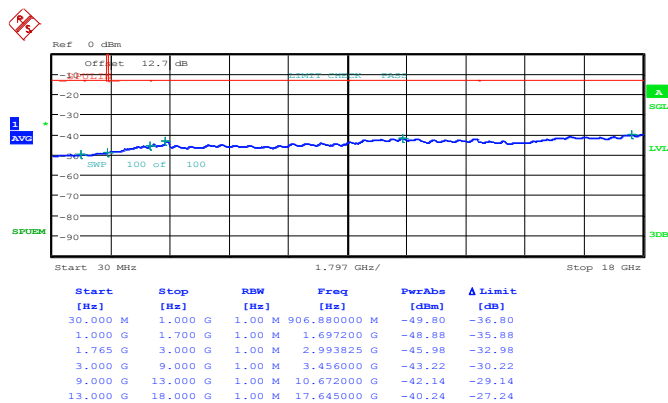
Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:18:23

16QAM (RB Size 1, RB Offset 0)

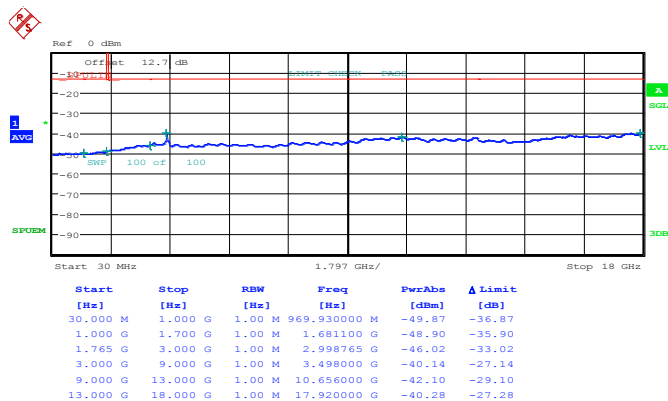


Date: 25.MAR.2014 10:19:23



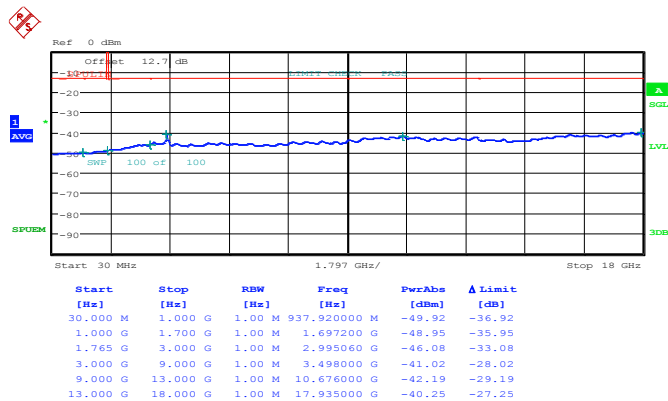
Band :	LTE Band 4	Channel :	CH20375 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:24:34

16QAM (RB Size 1, RB Offset 0)

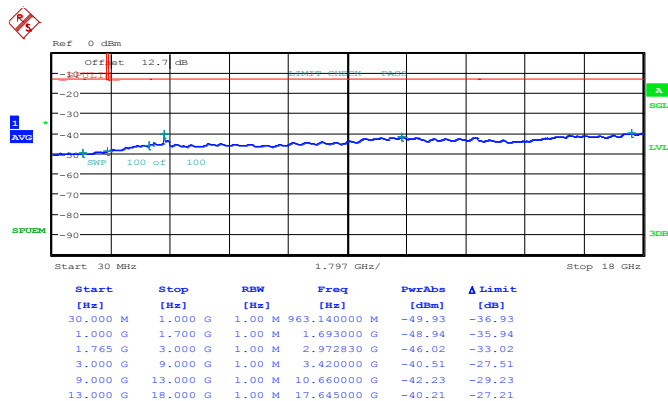


Date: 25.MAR.2014 10:25:33



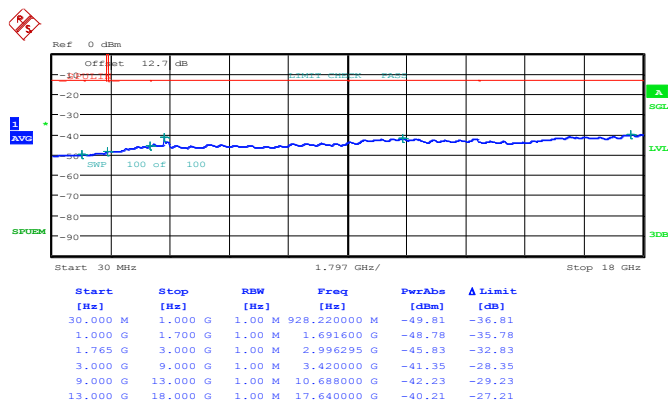
Band :	LTE Band 4	Channel :	CH20000 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:30:44

16QAM (RB Size 1, RB Offset 0)

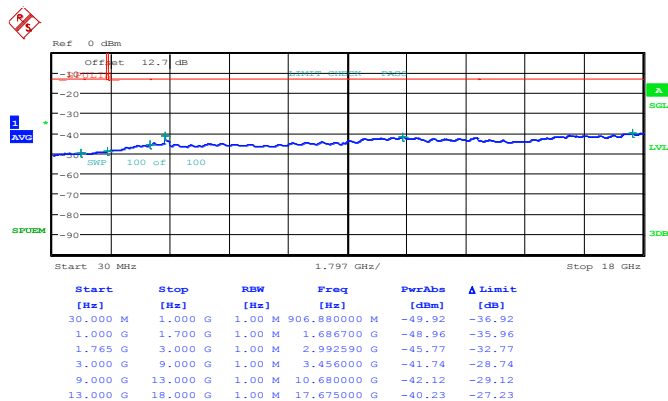


Date: 25.MAR.2014 10:31:44



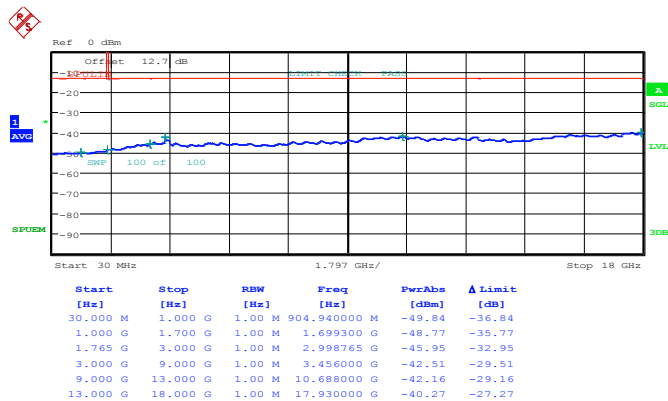
Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:33:48

16QAM (RB Size 1, RB Offset 0)

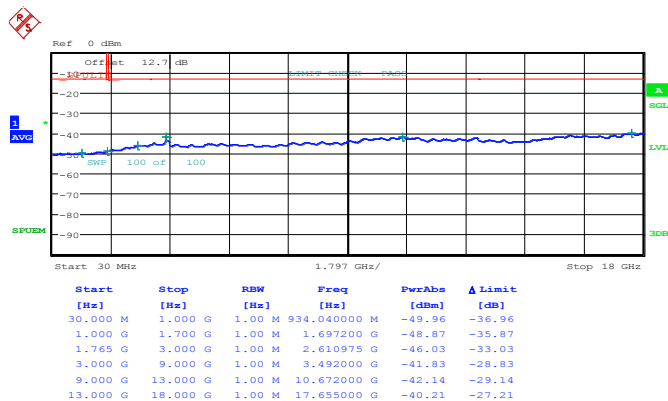


Date: 25.MAR.2014 10:34:48



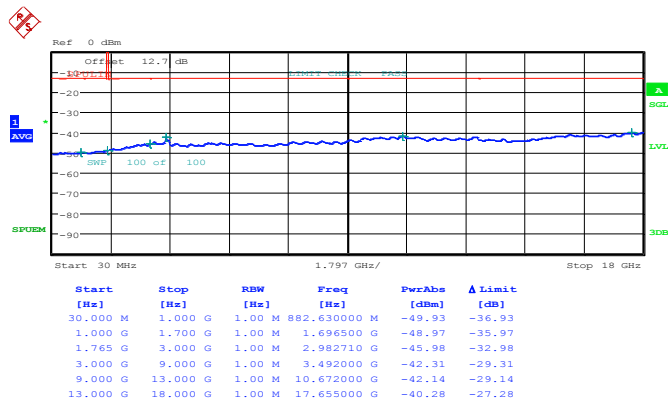
Band :	LTE Band 4	Channel :	CH20350 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:39:58

16QAM (RB Size 1, RB Offset 0)

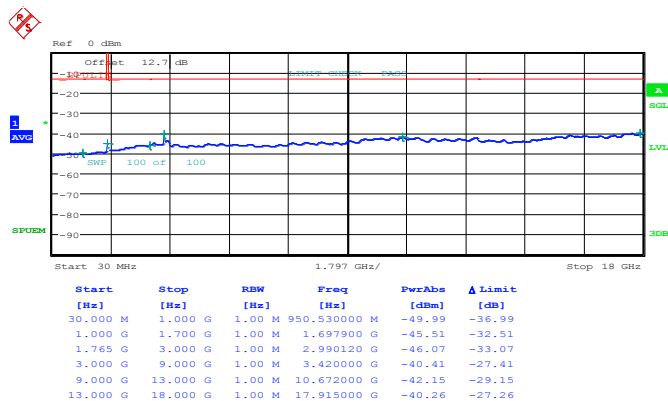


Date: 25.MAR.2014 10:40:58



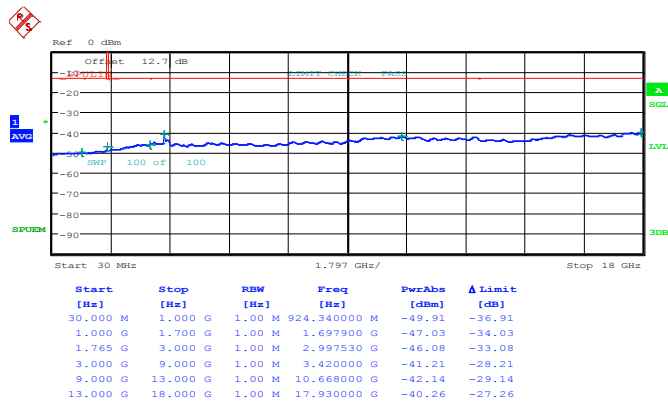
Band :	LTE Band 4	Channel :	CH20025 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:46:45

16QAM (RB Size 1, RB Offset 0)

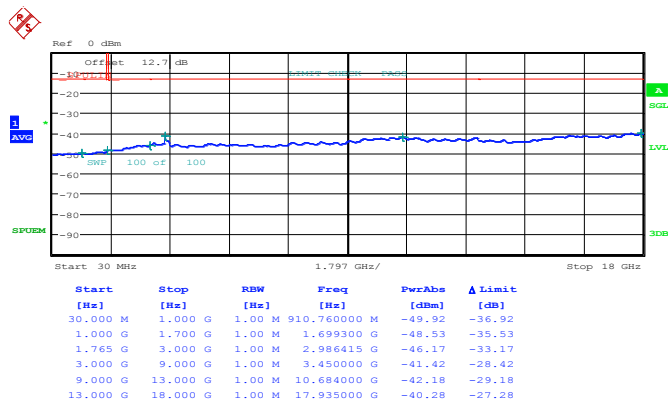


Date: 25.MAR.2014 10:47:45



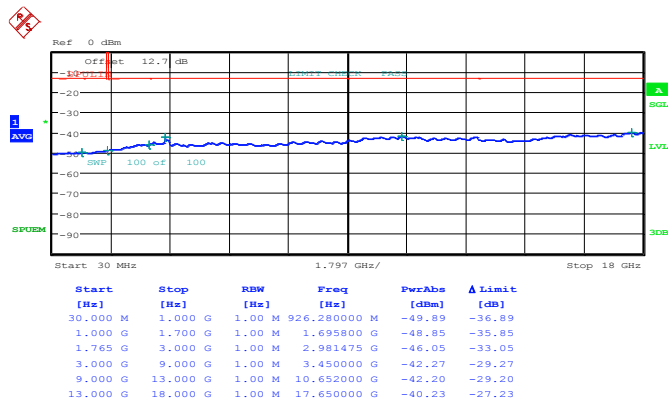
Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:49:49

16QAM (RB Size 1, RB Offset 0)

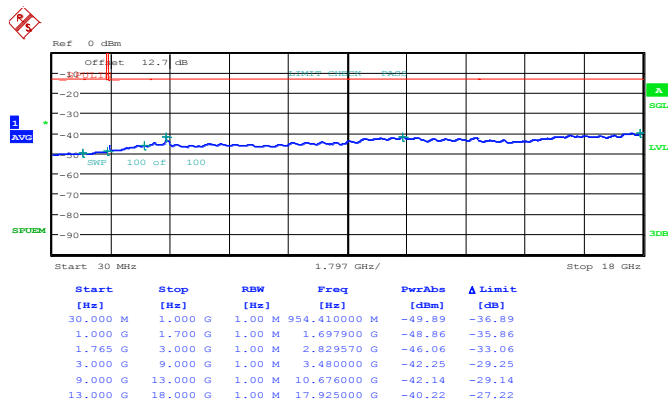


Date: 25.MAR.2014 10:50:49



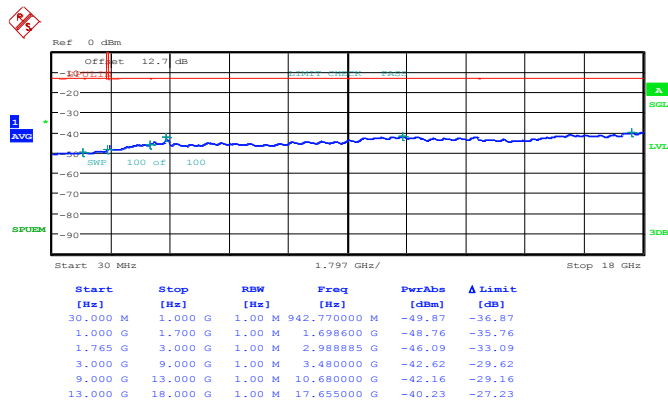
Band :	LTE Band 4	Channel :	CH20325 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 10:55:59

16QAM (RB Size 1, RB Offset 0)

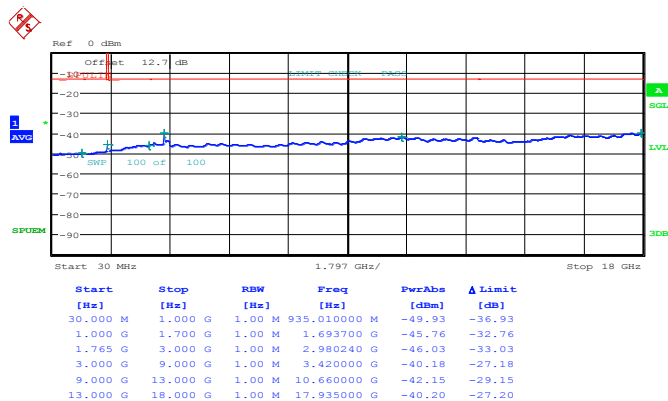


Date: 25.MAR.2014 10:56:59



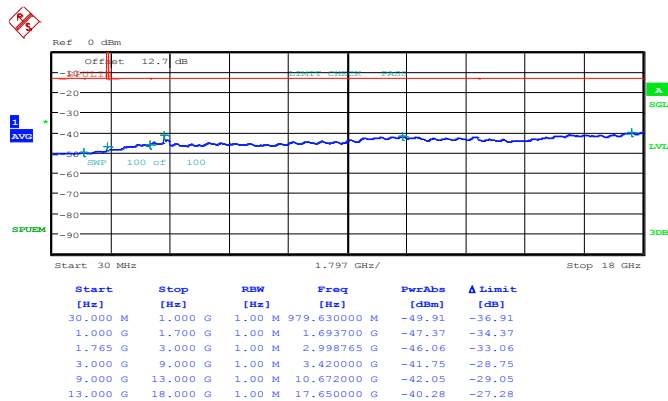
Band :	LTE Band 4	Channel :	CH20050 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 11:02:09

16QAM (RB Size 1, RB Offset 0)

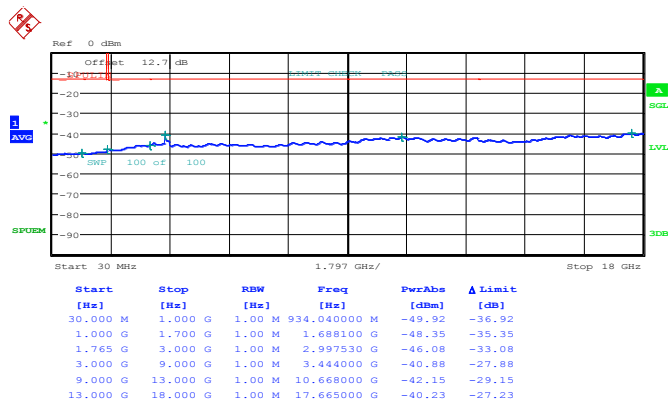


Date: 25.MAR.2014 11:03:09



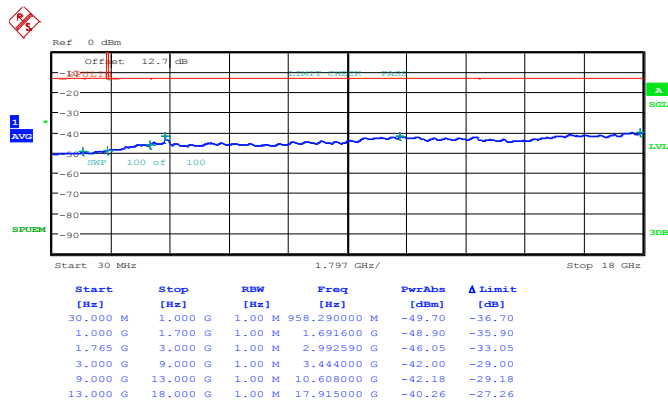
Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 11:05:13

16QAM (RB Size 1, RB Offset 0)

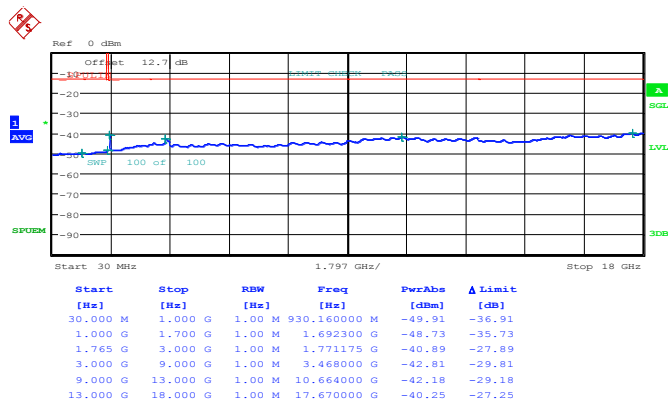


Date: 25.MAR.2014 11:06:13



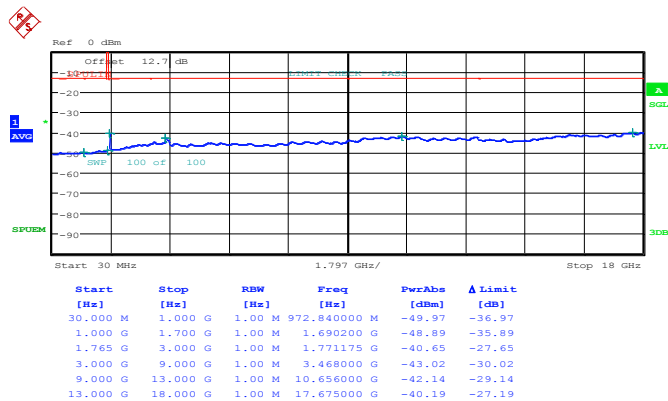
Band :	LTE Band 4	Channel :	CH20300 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 11:11:23

16QAM (RB Size 1, RB Offset 0)

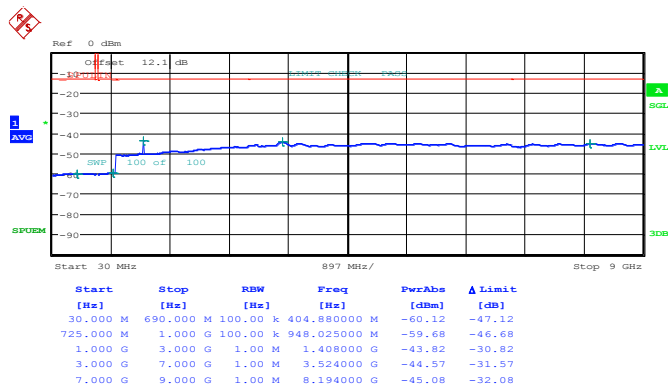


Date: 25.MAR.2014 11:12:22



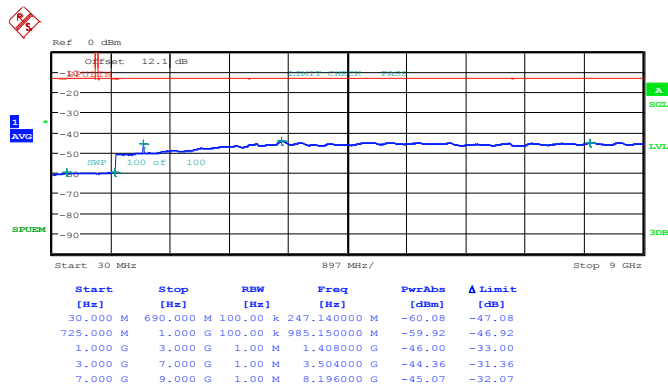
Band :	LTE Band 17	Channel :	CH23755 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 12:54:53

16QAM (RB Size 1, RB Offset 0)

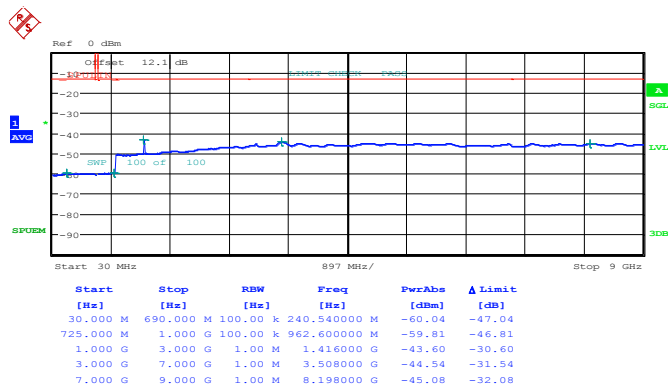


Date: 25.MAR.2014 12:55:53



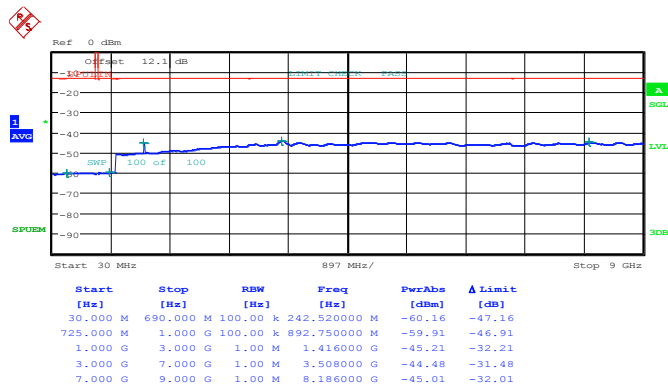
Band :	LTE Band 17	Channel :	CH23790 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 12:57:56

16QAM (RB Size 1, RB Offset 0)

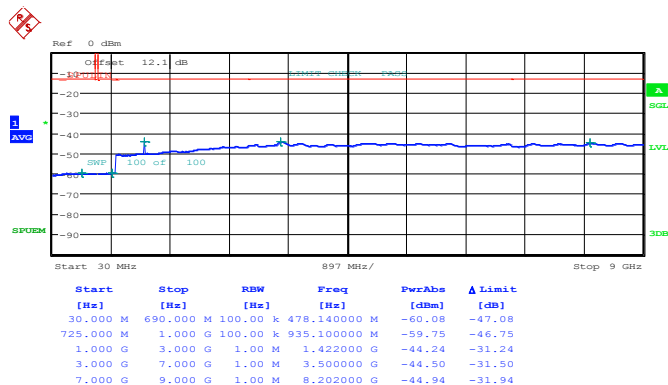


Date: 25.MAR.2014 12:58:56



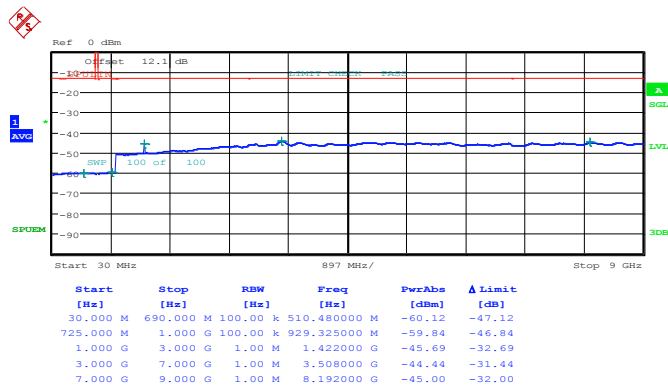
Band :	LTE Band 17	Channel :	CH23825 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:04:04

16QAM (RB Size 1, RB Offset 0)

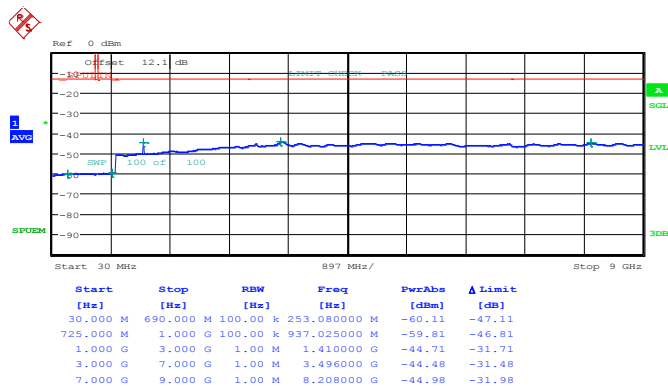


Date: 25.MAR.2014 13:05:03



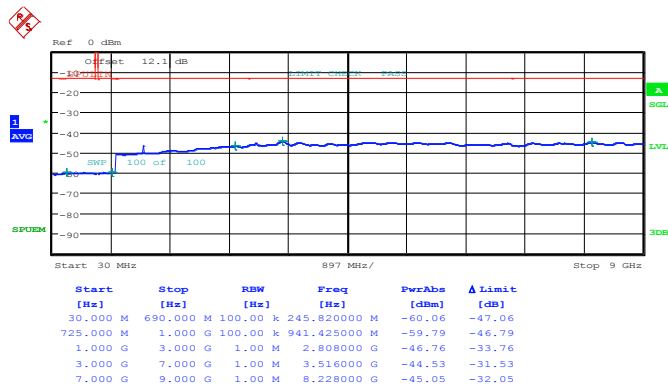
Band :	LTE Band 17	Channel :	CH23780 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:10:12

16QAM (RB Size 1, RB Offset 0)

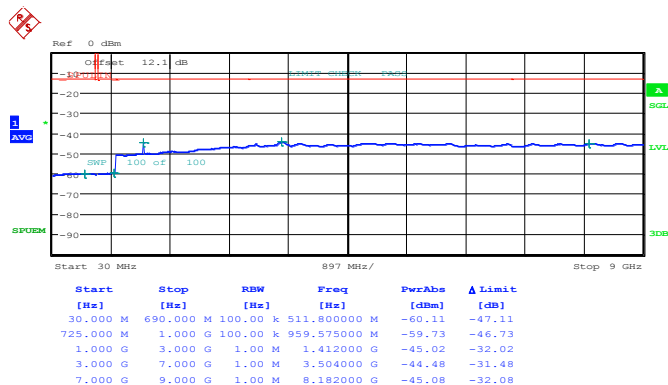


Date: 25.MAR.2014 13:11:12



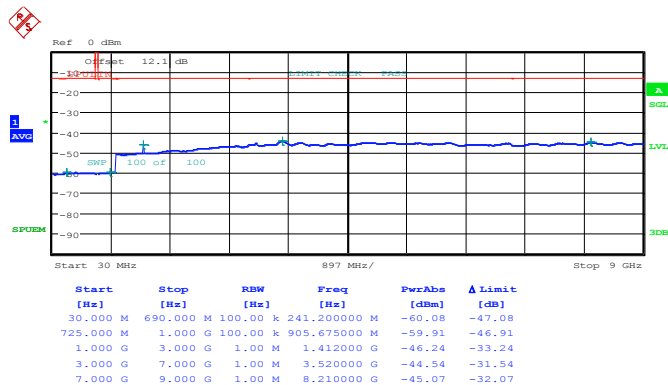
Band :	LTE Band 17	Channel :	CH23790 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:13:15

16QAM (RB Size 1, RB Offset 0)

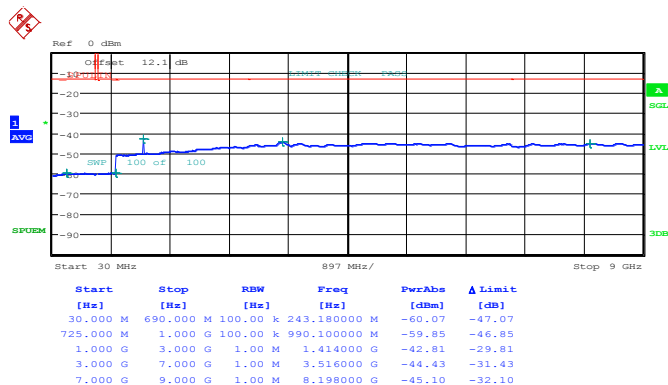


Date: 25.MAR.2014 13:14:15



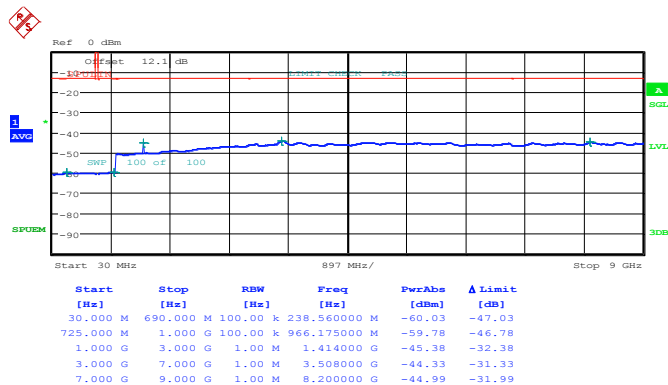
Band :	LTE Band 17	Channel :	CH23800 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:19:23

16QAM (RB Size 1, RB Offset 0)

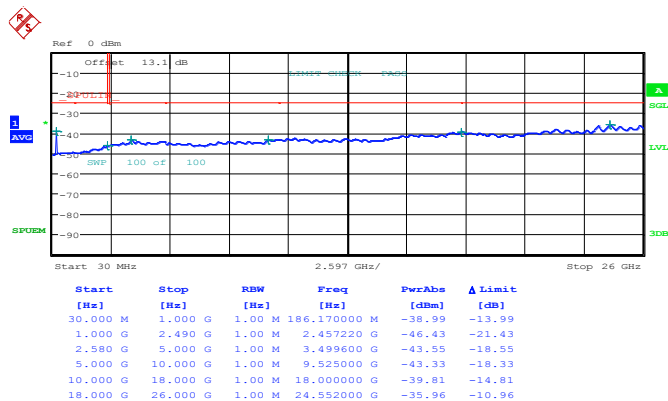


Date: 25.MAR.2014 13:20:23



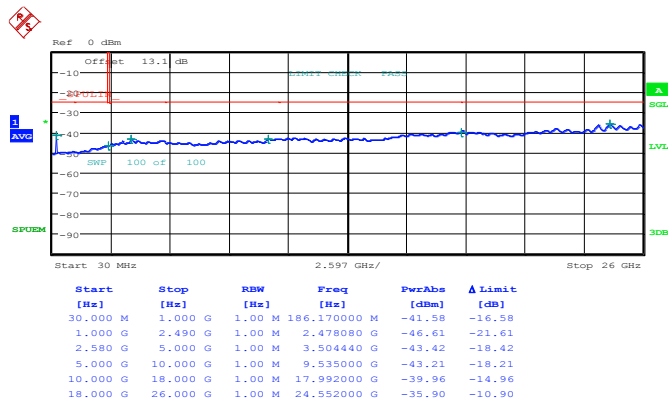
Band :	LTE Band 7	Channel :	CH20775 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:28:30

16QAM (RB Size 1, RB Offset 0)

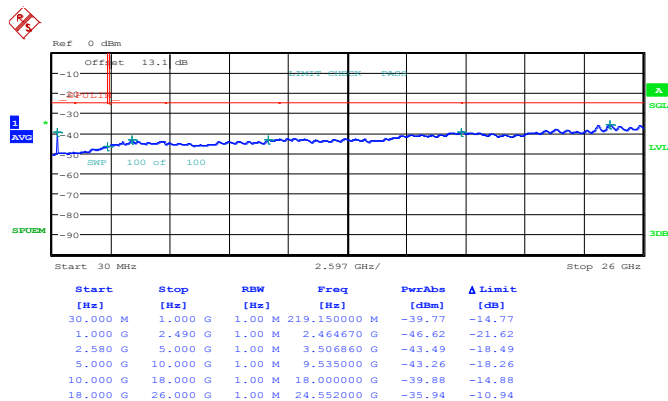


Date: 25.MAR.2014 13:29:28



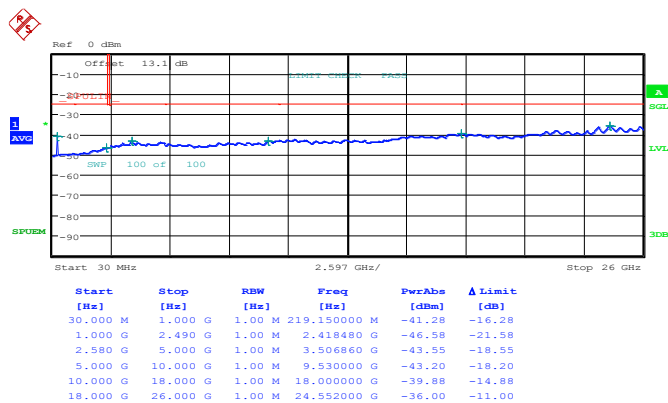
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:31:27

16QAM (RB Size 1, RB Offset 0)

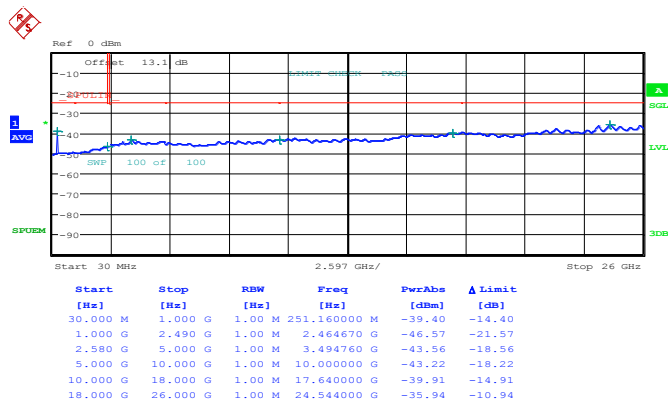


Date: 25.MAR.2014 13:32:25



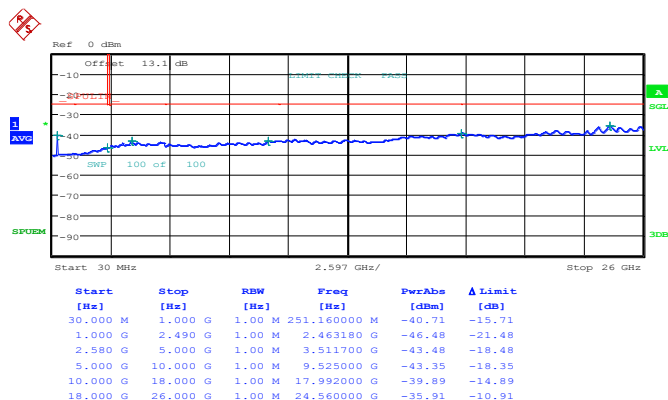
Band :	LTE Band 7	Channel :	CH21425 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:37:25

16QAM (RB Size 1, RB Offset 0)

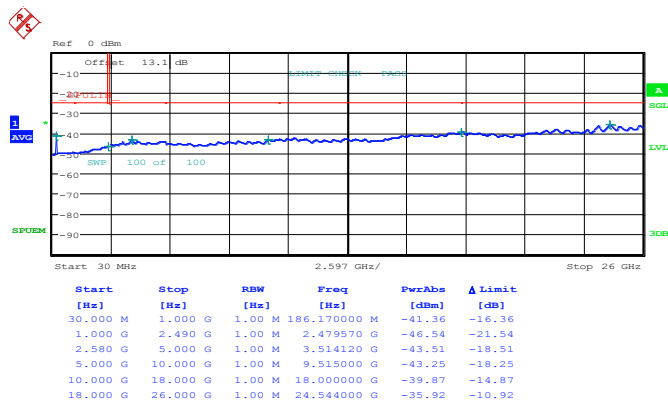


Date: 25.MAR.2014 13:38:23



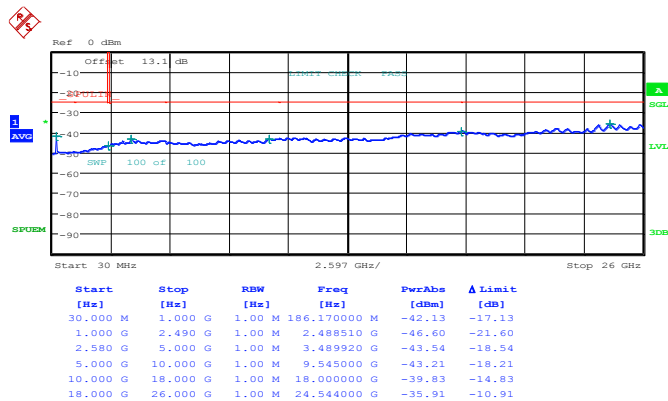
Band :	LTE Band 7	Channel :	CH20800 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:51:38

16QAM (RB Size 1, RB Offset 0)

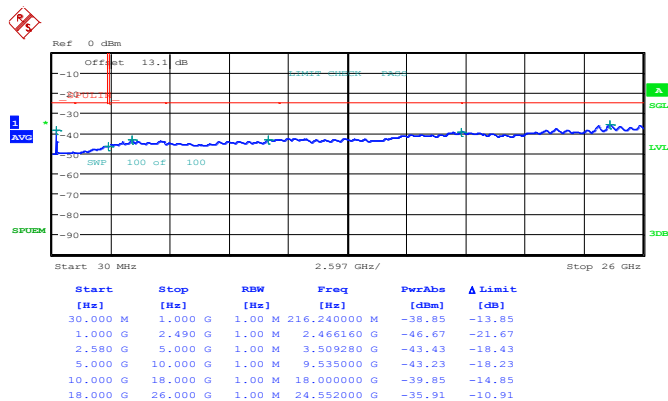


Date: 25.MAR.2014 13:52:41



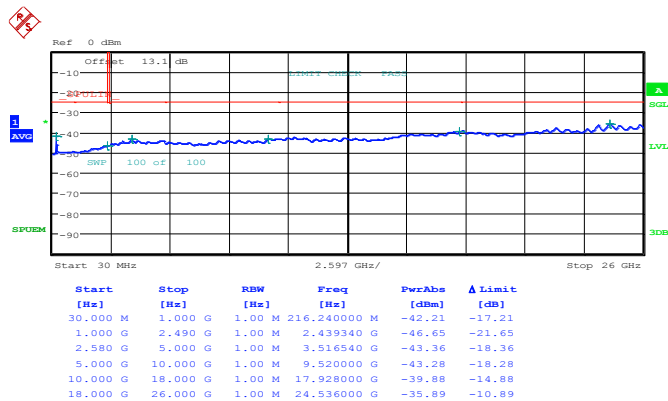
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 13:54:47

16QAM (RB Size 1, RB Offset 0)

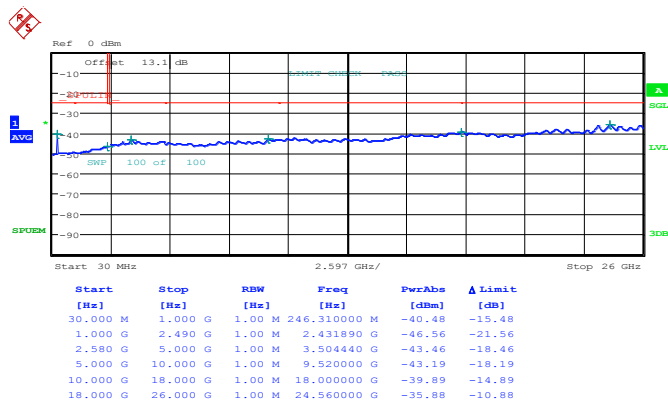


Date: 25.MAR.2014 13:55:49



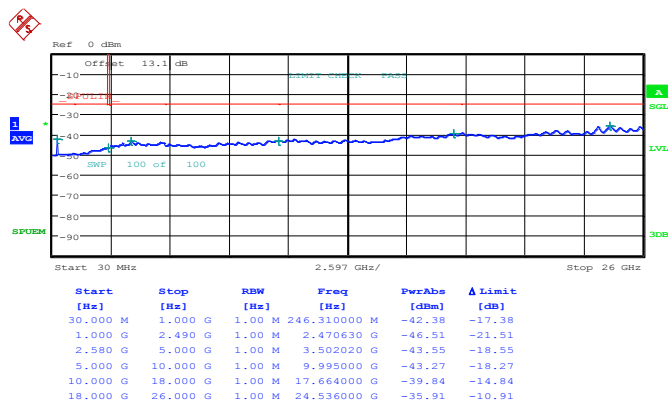
Band :	LTE Band 7	Channel :	CH21400 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:00:58

16QAM (RB Size 1, RB Offset 0)

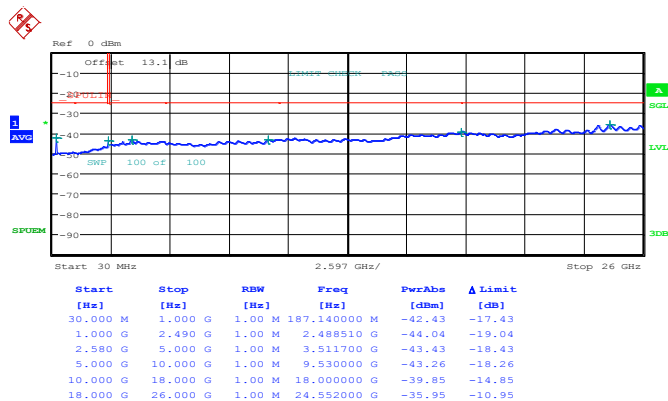


Date: 25.MAR.2014 14:02:00



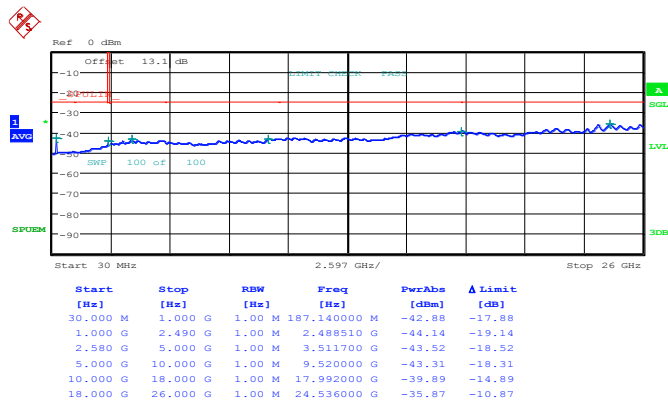
Band :	LTE Band 7	Channel :	CH20825 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:07:30

16QAM (RB Size 1, RB Offset 0)

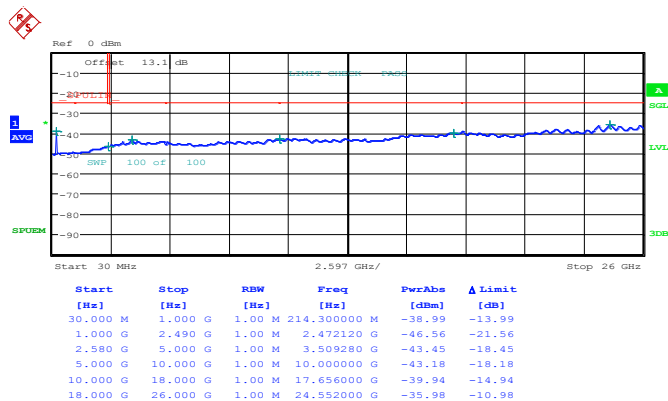


Date: 25.MAR.2014 14:08:32



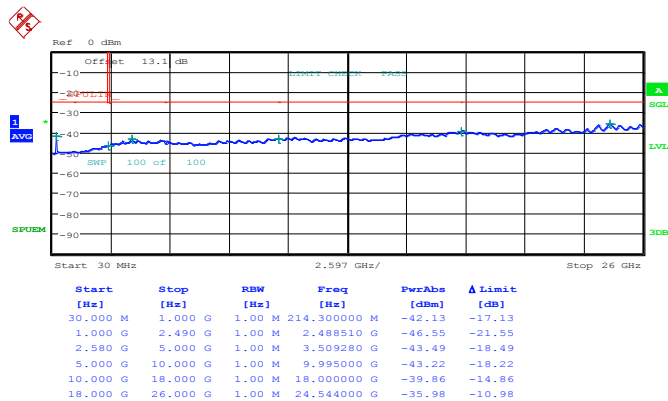
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:10:38

16QAM (RB Size 1, RB Offset 0)

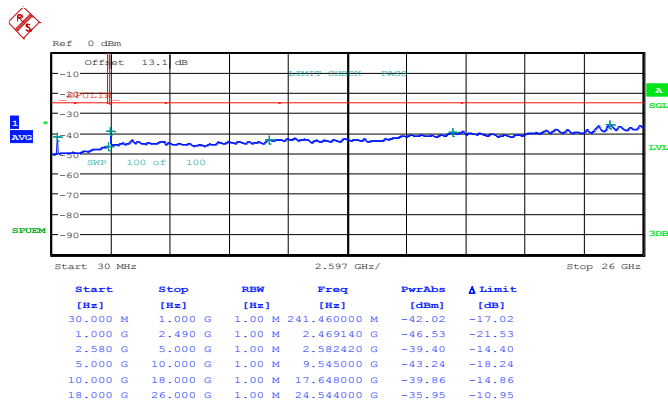


Date: 25.MAR.2014 14:11:40



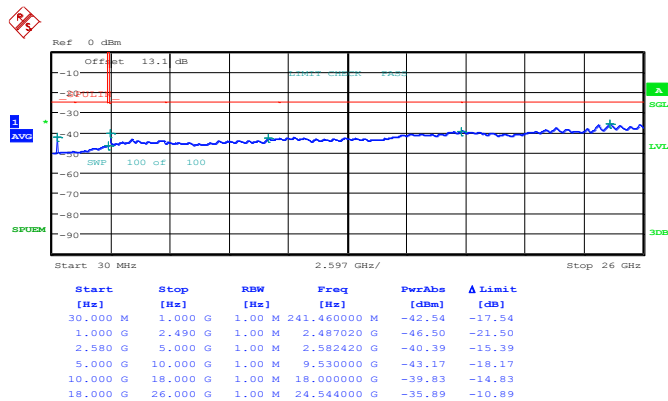
Band :	LTE Band 7	Channel :	CH21375 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:16:49

16QAM (RB Size 1, RB Offset 0)

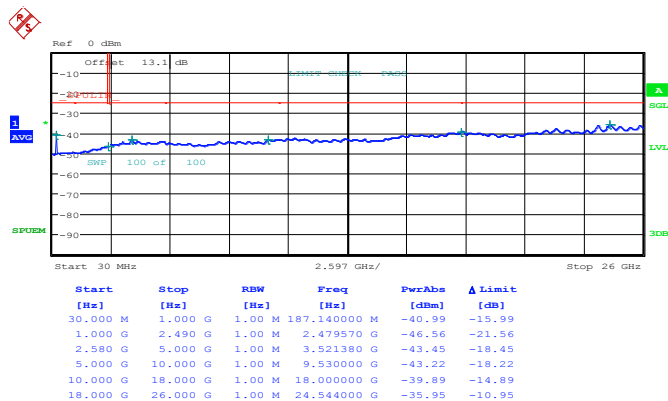


Date: 25.MAR.2014 14:17:52



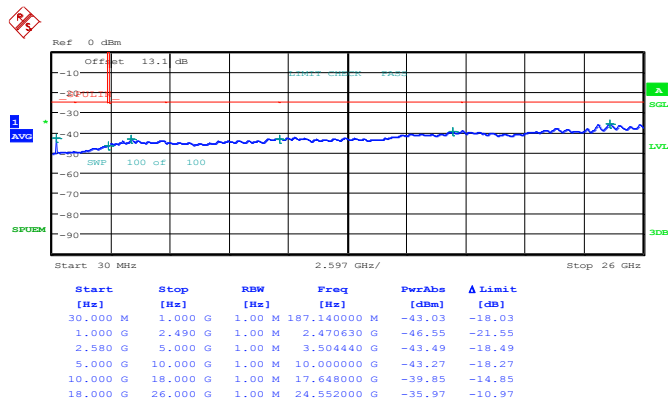
Band :	LTE Band 7	Channel :	CH20850 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:23:53

16QAM (RB Size 1, RB Offset 0)

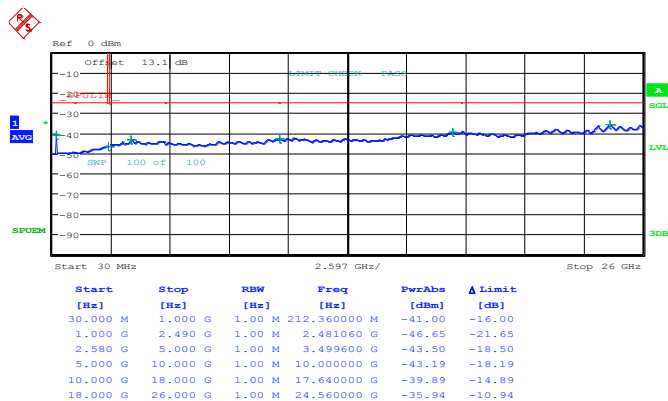


Date: 25.MAR.2014 14:24:56



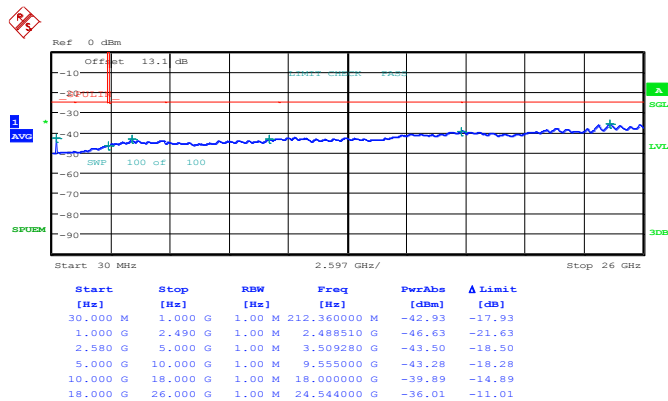
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:27:02

16QAM (RB Size 1, RB Offset 0)

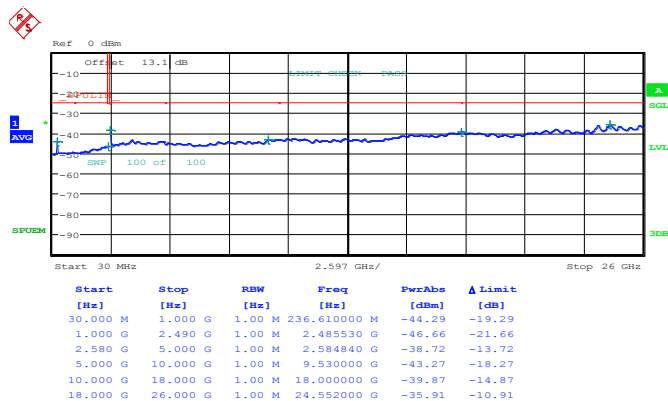


Date: 25.MAR.2014 14:28:04



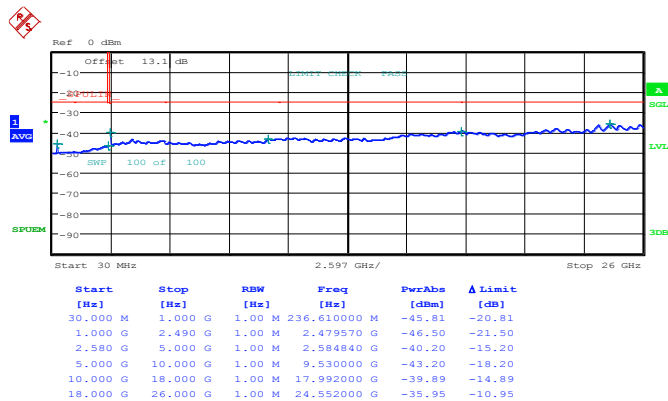
Band :	LTE Band 7	Channel :	CH21350 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:33:12

16QAM (RB Size 1, RB Offset 0)



Date: 25.MAR.2014 14:34:14

3.7 Radiated Spurious Emission Measurement

3.7.1 Description of Radiated Spurious Emission

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.

For Band 7

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 $55 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.7.3 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 = 3MHz, 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. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm.

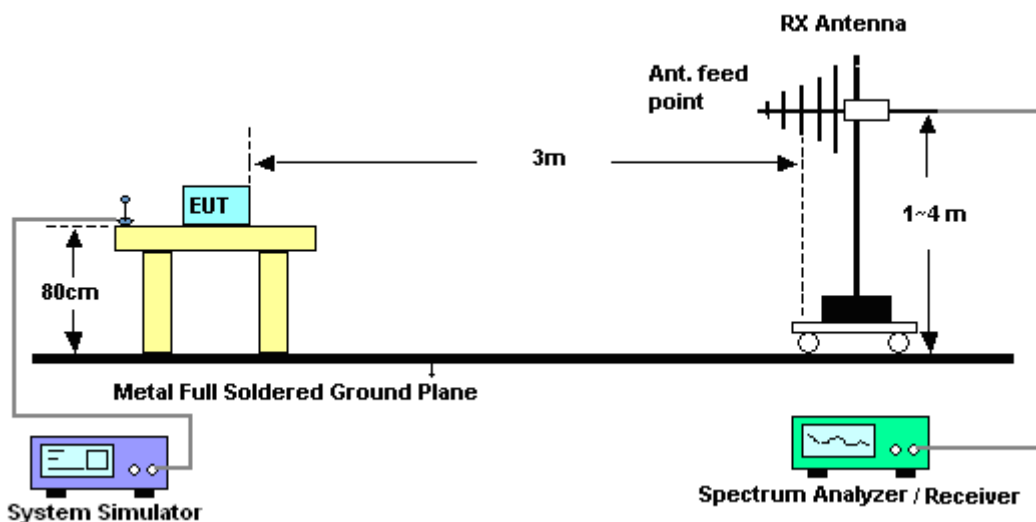
For Band 7

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

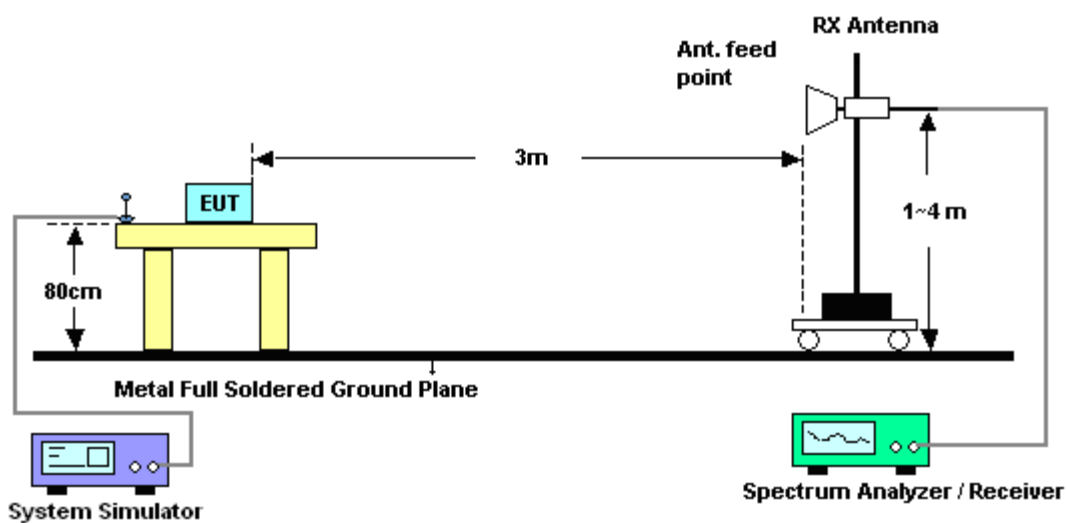
11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
12. ERP (dBm) = EIRP - 2.15

3.7.4 Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

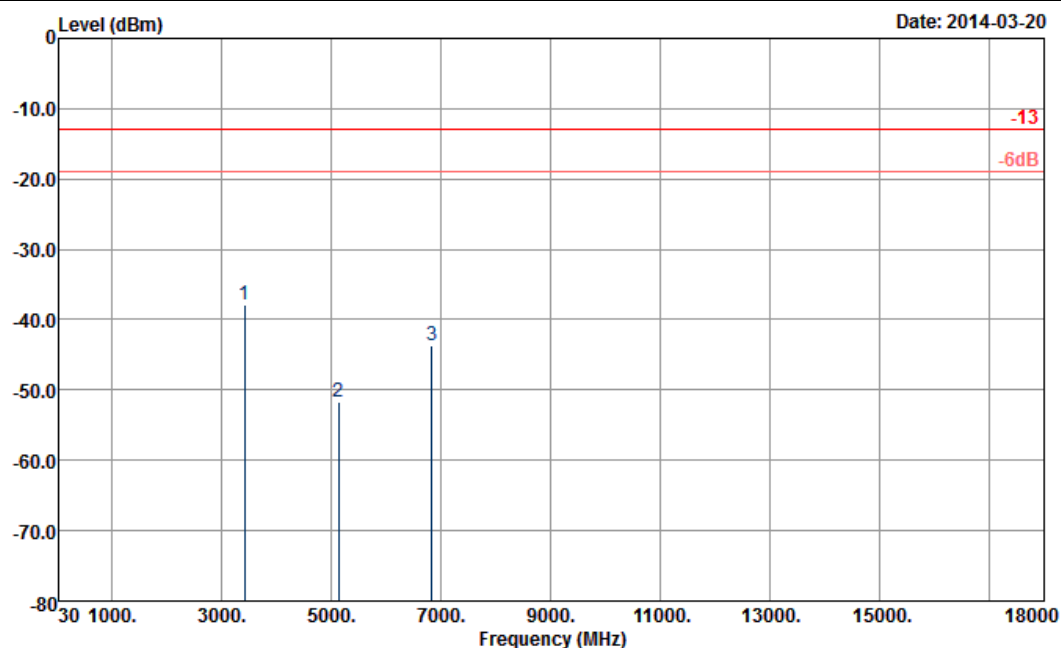




3.7.5 Test Result of Field Strength of Spurious Radiated

<Low Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

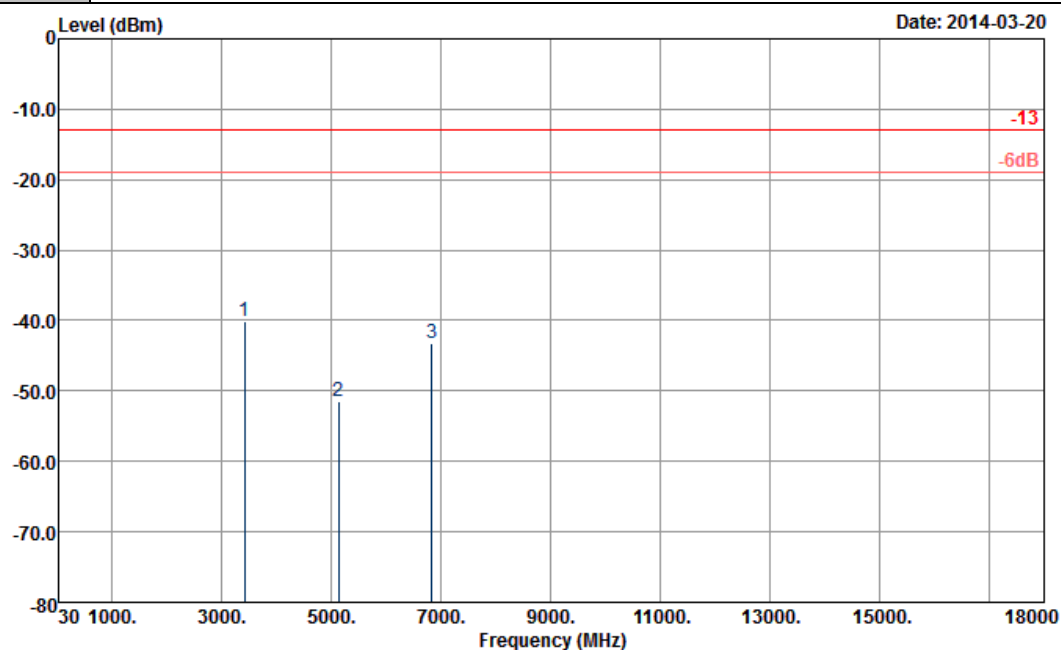


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3420	-37.83	-13	-24.83	-52.05	-41.7	4.41	8.28	H	Pass
5130	-51.69	-13	-38.69	-70.18	-56.26	5.28	9.85	H	Pass
6840	-43.60	-13	-30.60	-69.34	-48.83	6.01	11.24	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

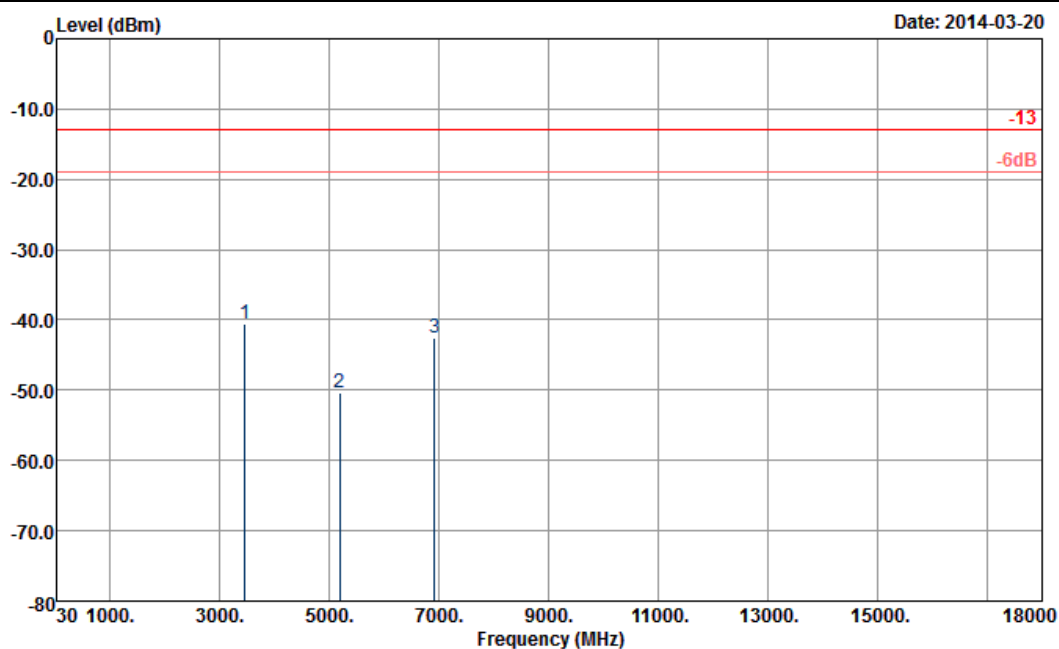


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3420	-40.09	-13	-27.09	-55.67	-43.96	4.41	8.28	V	Pass
5130	-51.56	-13	-38.56	-70.18	-56.13	5.28	9.85	V	Pass
6840	-43.29	-13	-30.29	-68.32	-48.52	6.01	11.24	V	Pass

<Middle Channel>

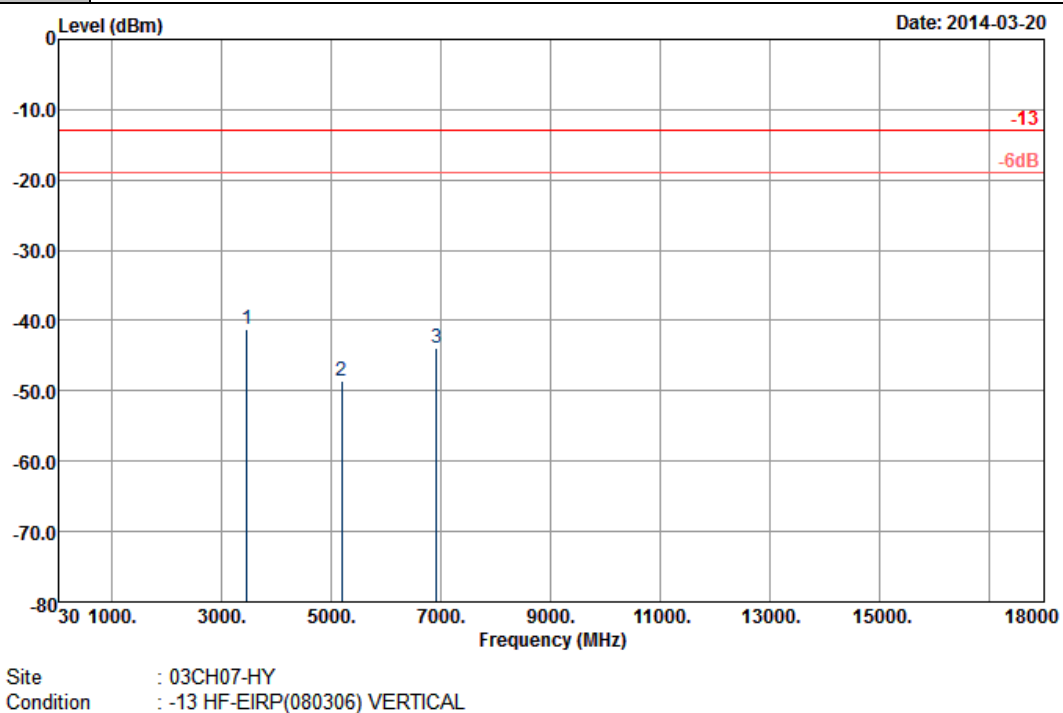
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3462	-40.45	-13	-27.45	-54.77	-44.28	4.48	8.31	H	Pass
5198	-50.33	-13	-37.33	-69.14	-54.97	5.332	9.98	H	Pass
6928	-42.62	-13	-29.62	-68.81	-47.86	6.1	11.34	H	Pass

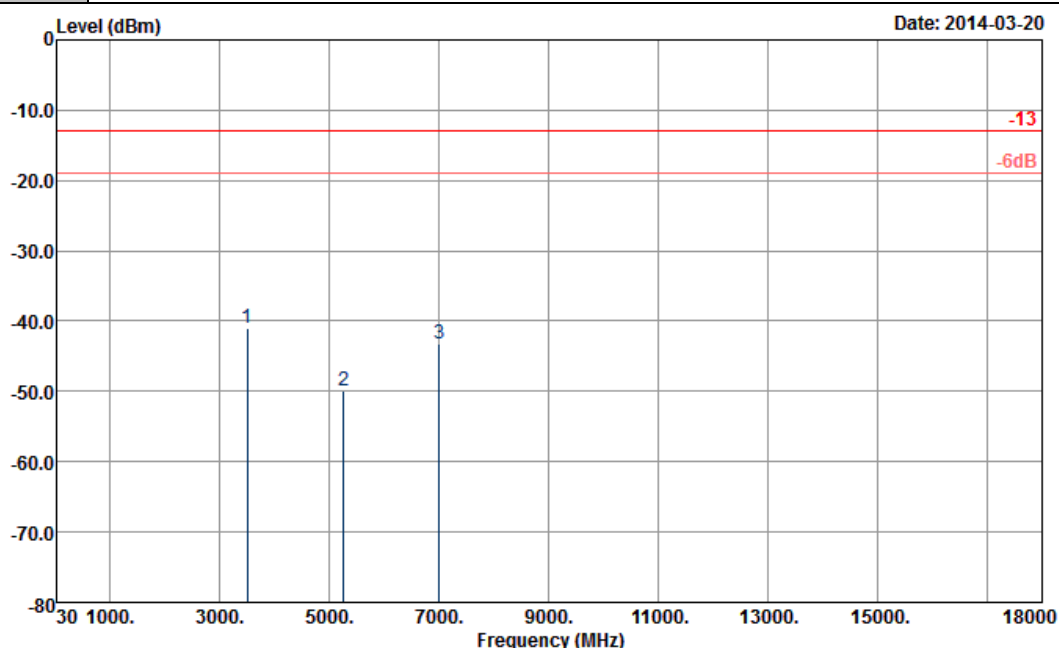
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3462	-41.31	-13	-28.31	-56.87	-45.14	4.48	8.31	V	Pass
5198	-48.67	-13	-35.67	-67.52	-53.31	5.332	9.98	V	Pass
6928	-43.85	-13	-30.85	-69.22	-49.09	6.1	11.34	V	Pass

<High Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

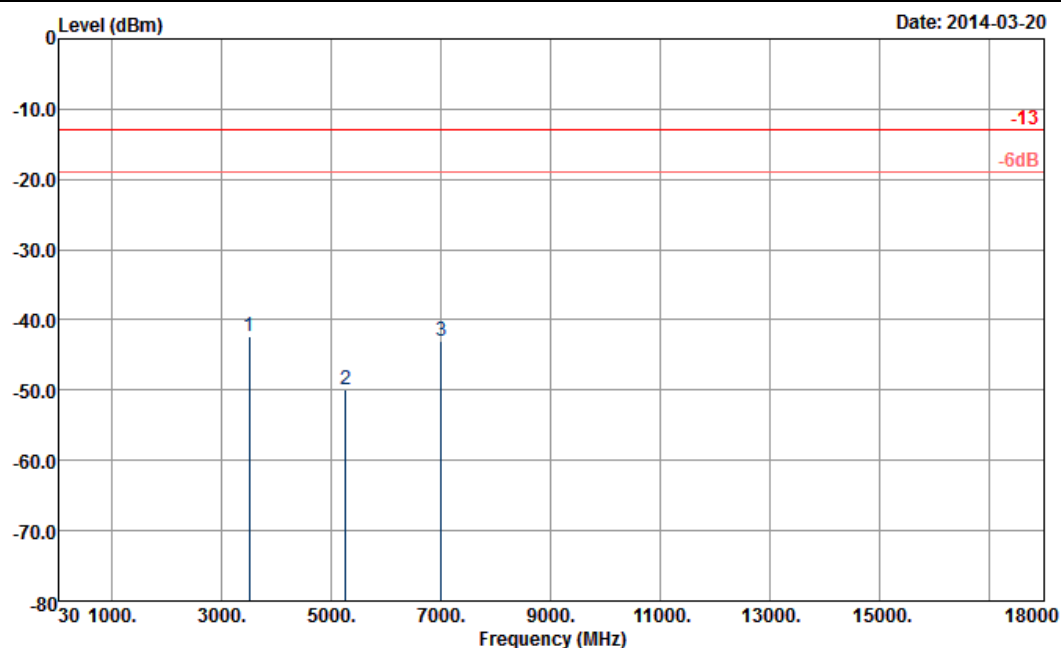


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3504	-41.11	-13	-28.11	-55.49	-45.38	4.14	8.41	H	Pass
5261	-49.90	-13	-36.90	-69.05	-54.85	5.12	10.07	H	Pass
7015	-43.27	-13	-30.27	-69.85	-48.56	6.13	11.42	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



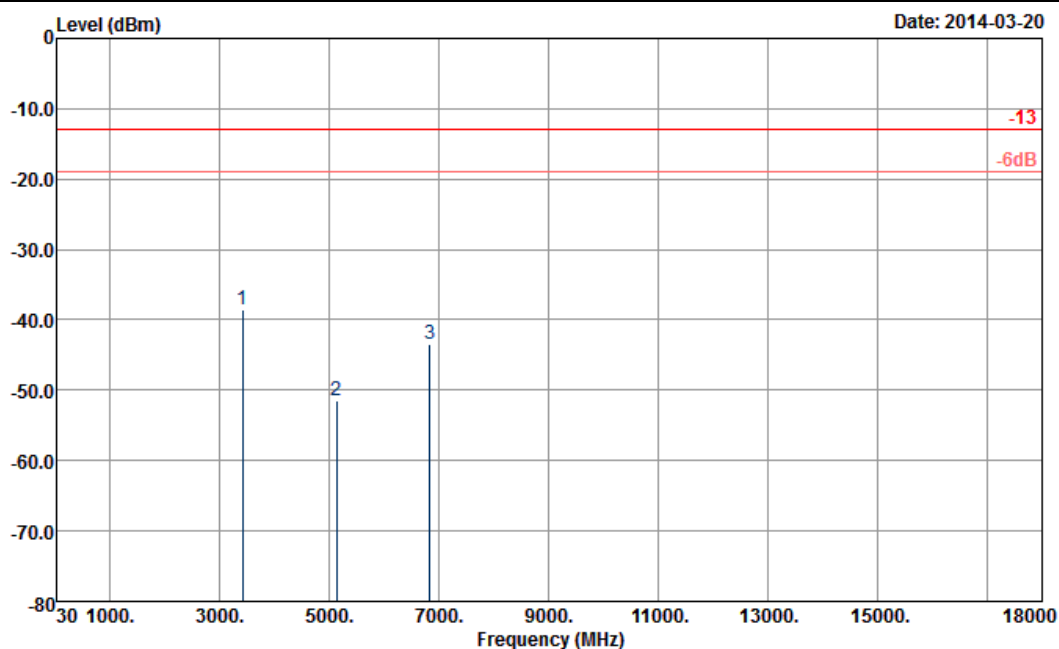
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3504	-42.29	-13	-29.29	-57.86	-46.56	4.14	8.41	V	Pass
5261	-49.94	-13	-36.94	-69.12	-54.89	5.12	10.07	V	Pass
7015	-43.04	-13	-30.04	-68.77	-48.33	6.13	11.42	V	Pass



<Low Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

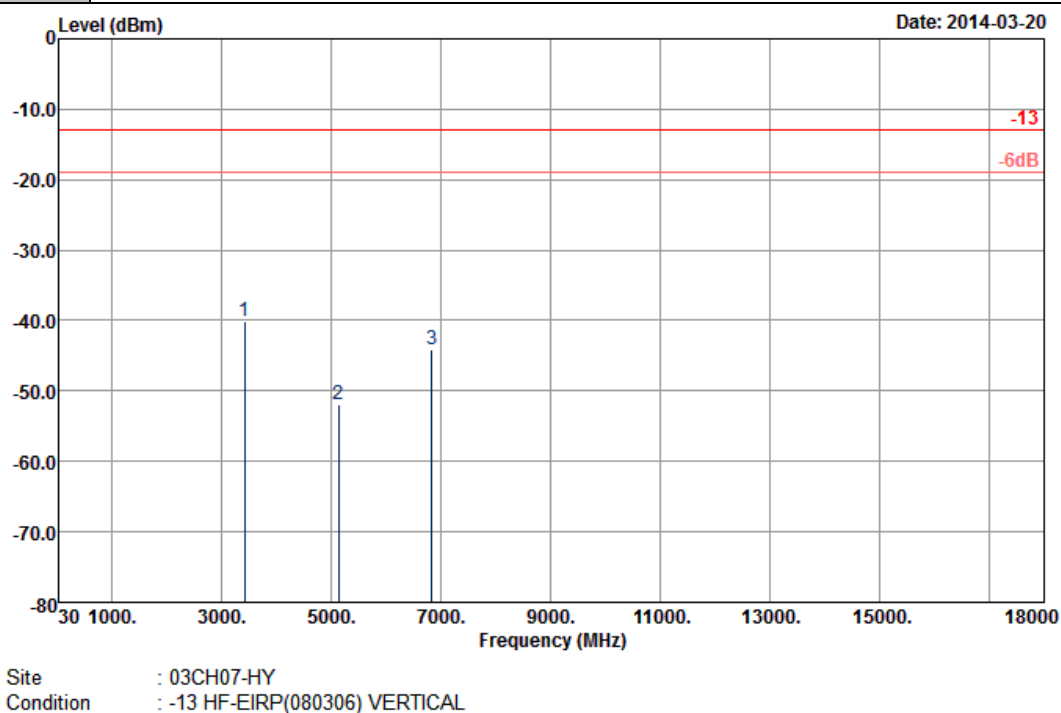


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3420	-38.47	-13	-25.47	-52.7	-42.35	4.43	8.31	H	Pass
5130	-51.45	-13	-38.45	-69.94	-56.02	5.31	9.88	H	Pass
6840	-43.51	-13	-30.51	-69.27	-48.84	6.02	11.35	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

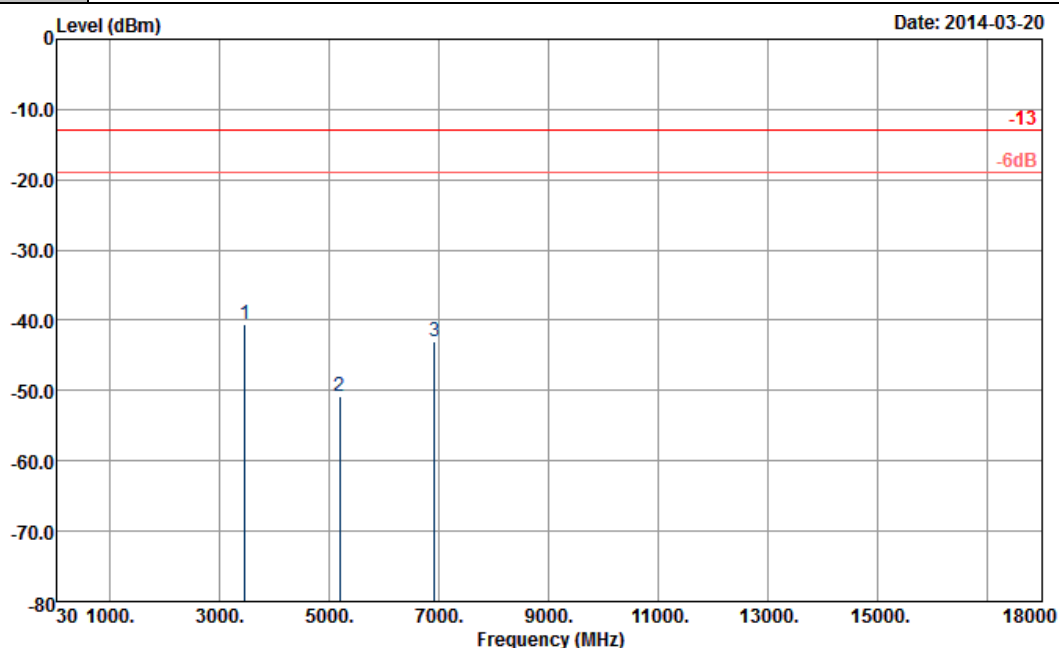


Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-40.18	-13	-27.18	-55.75	-44.06	4.43	8.31	V	Pass
5130	-51.84	-13	-38.84	-70.43	-56.41	5.31	9.88	V	Pass
6840	-44.14	-13	-31.14	-69.16	-49.47	6.02	11.35	V	Pass



<Middle Channel>

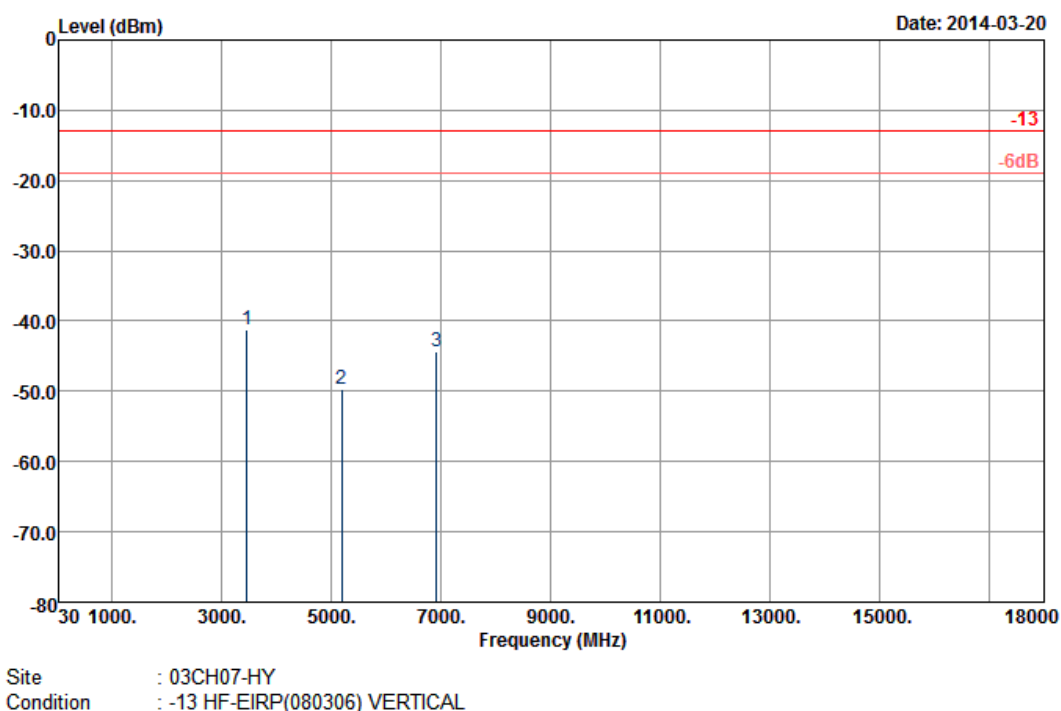
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3462	-40.46	-13	-27.46	-54.8	-44.29	4.48	8.31	H	Pass
5198	-50.83	-13	-37.83	-69.64	-55.47	5.332	9.98	H	Pass
6928	-43.07	-13	-30.07	-69.24	-48.31	6.1	11.34	H	Pass

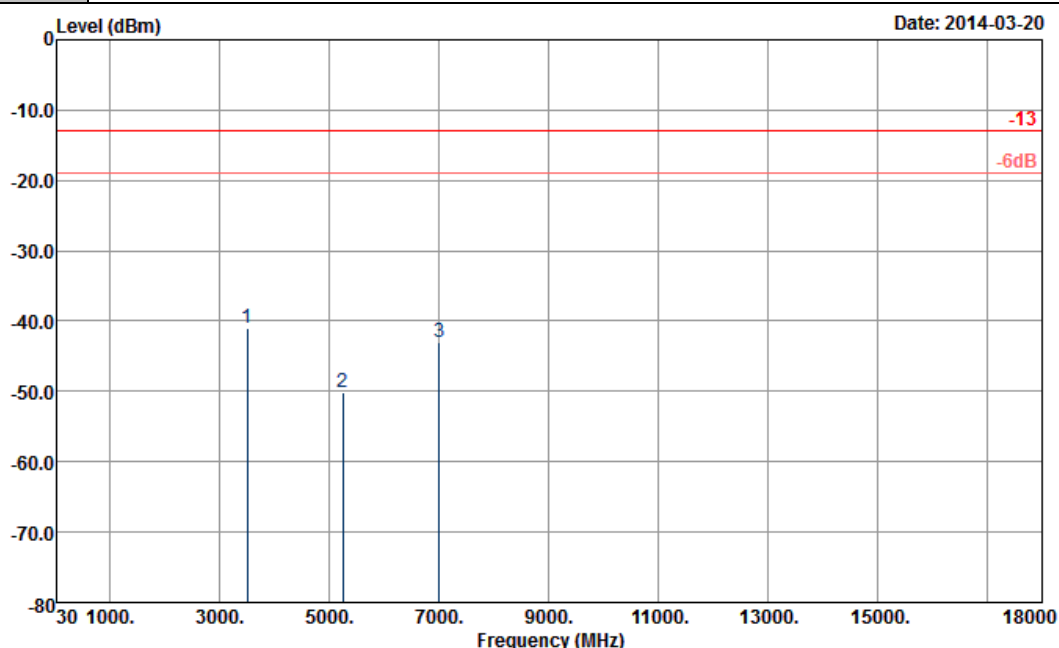
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3462	-41.16	-13	-28.16	-56.71	-44.99	4.48	8.31	V	Pass
5198	-49.63	-13	-36.63	-68.47	-54.27	5.332	9.98	V	Pass
6928	-44.44	-13	-31.44	-69.8	-49.68	6.1	11.34	V	Pass

<High Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

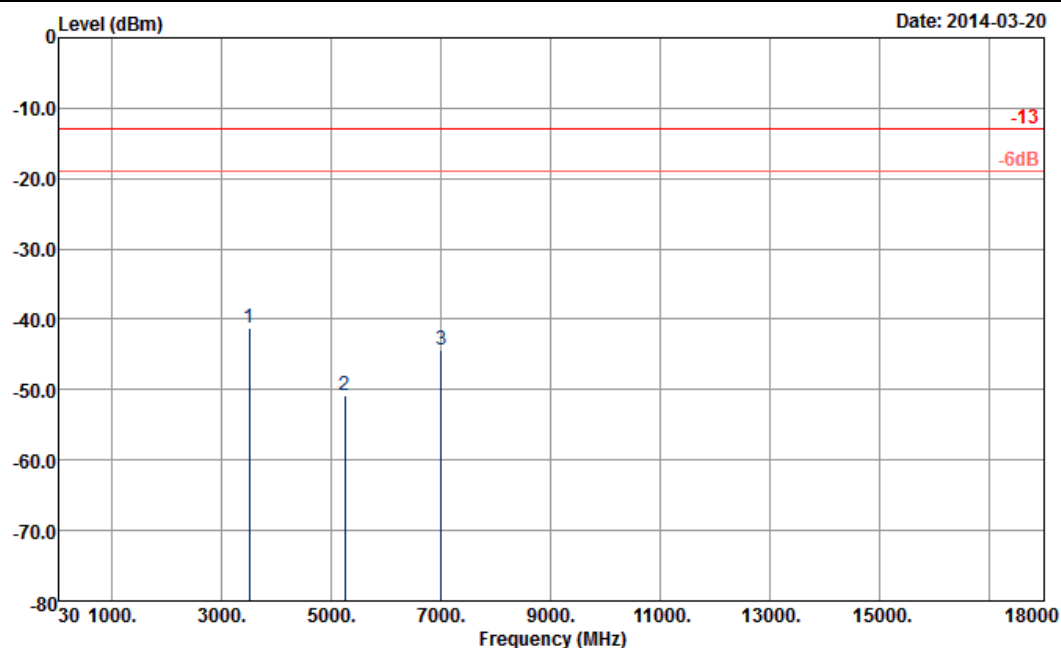


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3504	-40.90	-13	-27.90	-55.28	-45.17	4.14	8.41	H	Pass
5254	-50.05	-13	-37.05	-69.1	-55	5.12	10.07	H	Pass
7008	-43.08	-13	-30.08	-69.6	-48.37	6.13	11.42	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



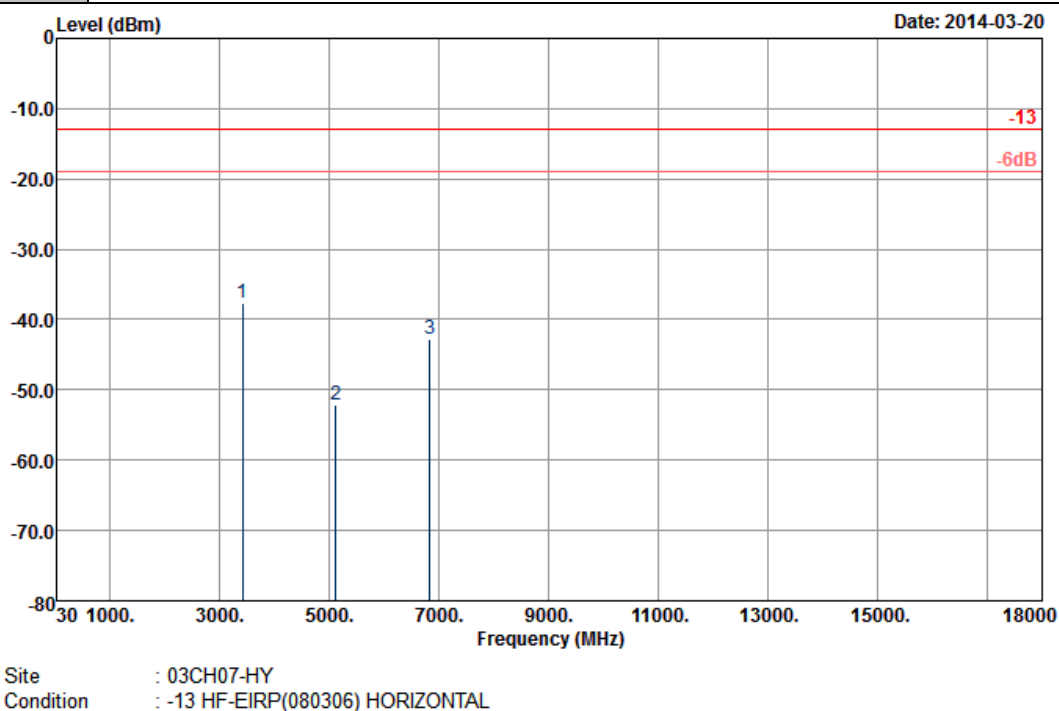
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3504	-41.16	-13	-28.16	-56.7	-45.43	4.14	8.41	V	Pass
5254	-50.85	-13	-37.85	-69.9	-55.8	5.12	10.07	V	Pass
7008	-44.32	-13	-31.32	-69.96	-49.61	6.13	11.42	V	Pass



<Low Channel>

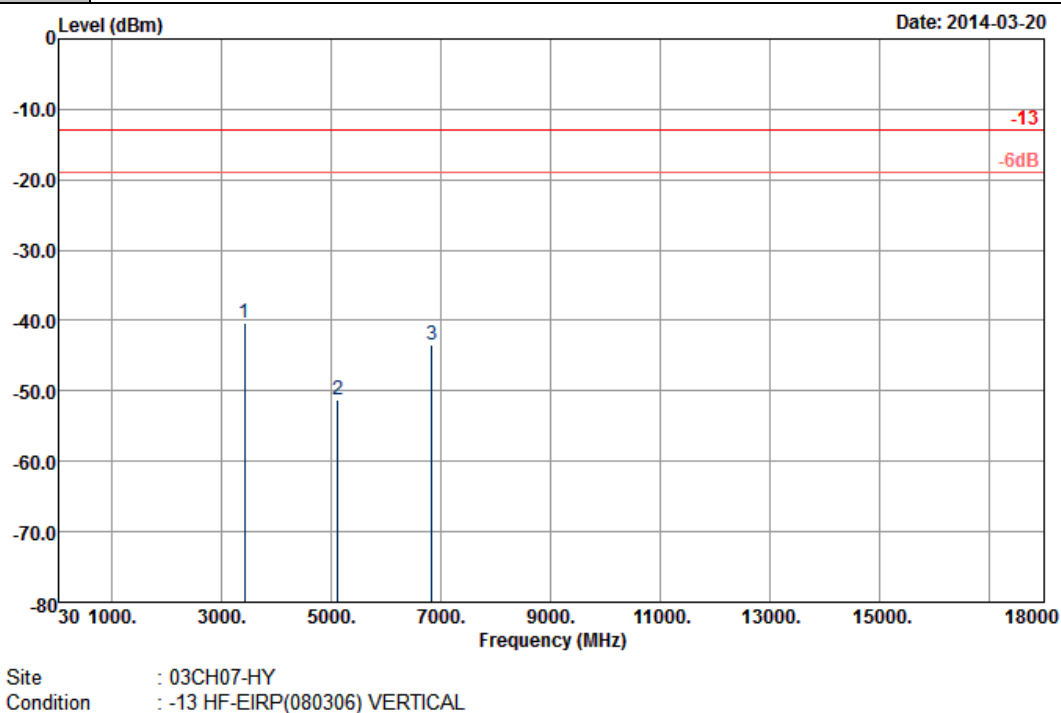
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3420	-37.57	-13	-24.57	-51.79	-41.4	4.48	8.31	H	Pass
5128	-52.14	-13	-39.14	-70.63	-56.78	5.332	9.98	H	Pass
6840	-42.89	-13	-29.89	-68.63	-48.13	6.1	11.34	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

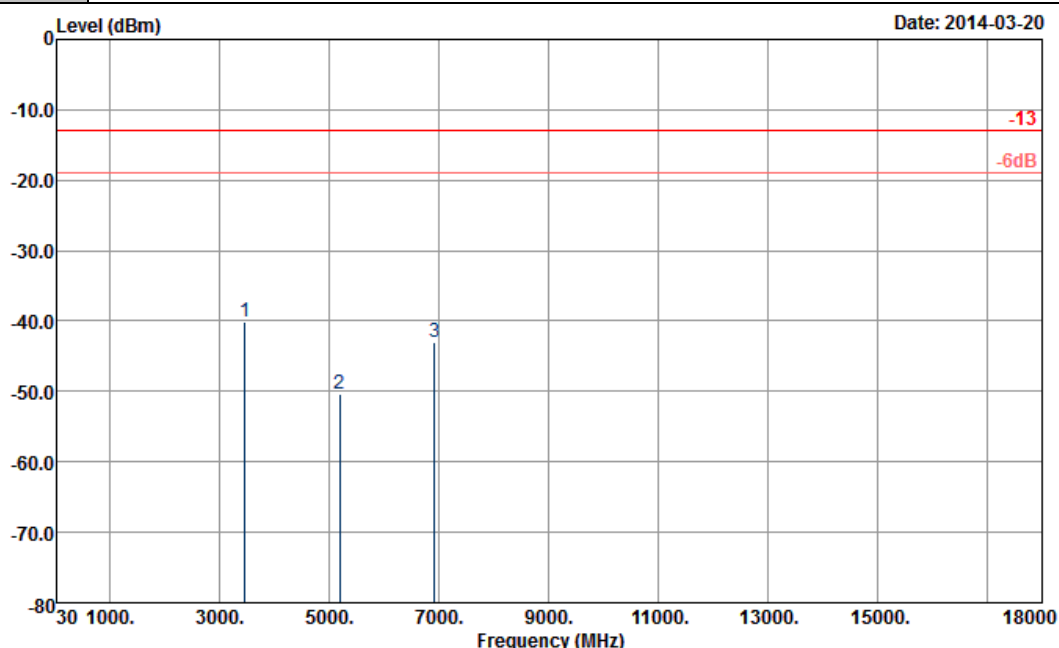


Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-40.38	-13	-27.38	-55.95	-44.21	4.48	8.31	V	Pass
5128	-51.31	-13	-38.31	-69.88	-55.95	5.332	9.98	V	Pass
6840	-43.43	-13	-30.43	-68.46	-48.67	6.1	11.34	V	Pass



<Middle Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

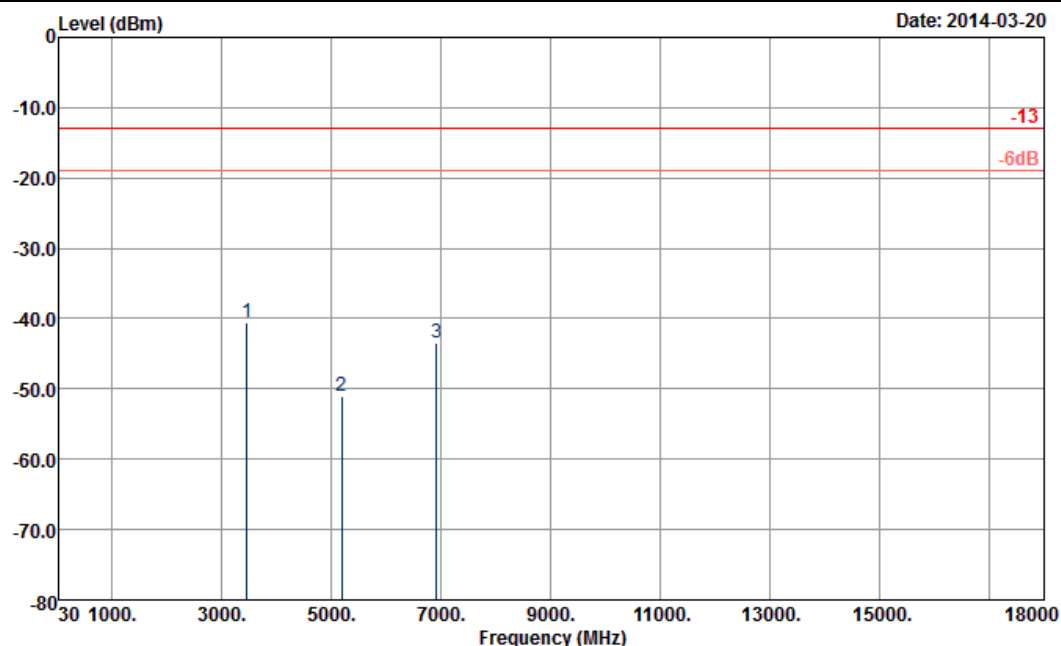


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3462	-40.17	-13	-27.17	-54.48	-44	4.48	8.31	H	Pass
5191	-50.27	-13	-37.27	-69.08	-54.91	5.332	9.98	H	Pass
6920	-42.92	-13	-29.92	-69.01	-48.16	6.1	11.34	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



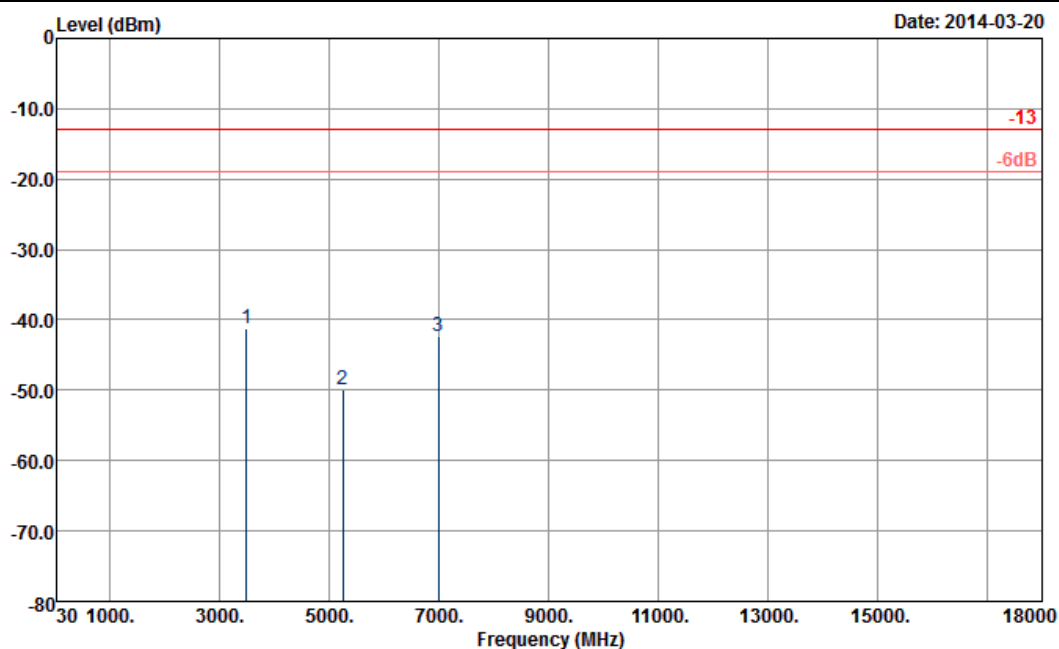
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3462	-40.45	-13	-27.45	-56	-44.28	4.48	8.31	V	Pass
5191	-50.94	-13	-37.94	-69.79	-55.58	5.332	9.98	V	Pass
6920	-43.44	-13	-30.44	-68.74	-48.68	6.1	11.34	V	Pass



<High Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

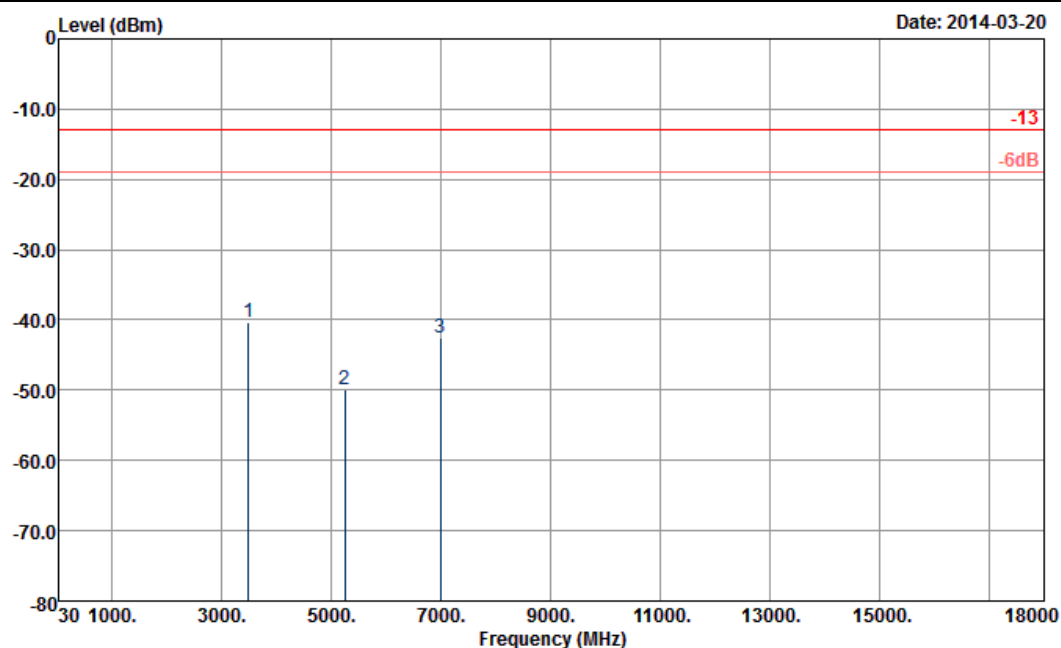


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3497	-41.29	-13	-28.29	-55.67	-45.56	4.16	8.43	H	Pass
5247	-49.84	-13	-36.84	-68.88	-54.8	5.13	10.09	H	Pass
6997	-42.43	-13	-29.43	-68.95	-47.71	6.15	11.43	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



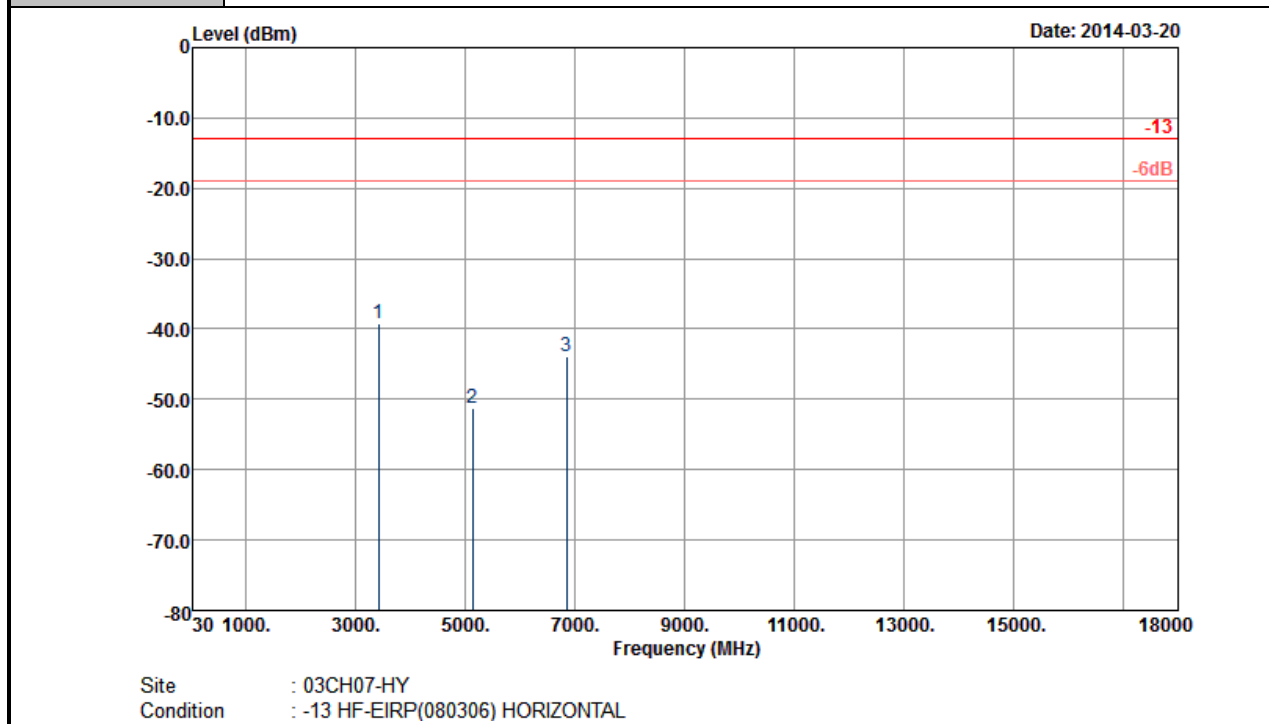
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3497	-40.33	-13	-27.33	-55.86	-44.6	4.16	8.43	V	Pass
5247	-49.87	-13	-36.87	-68.95	-54.83	5.13	10.09	V	Pass
6997	-42.63	-13	-29.63	-68.26	-47.91	6.15	11.43	V	Pass



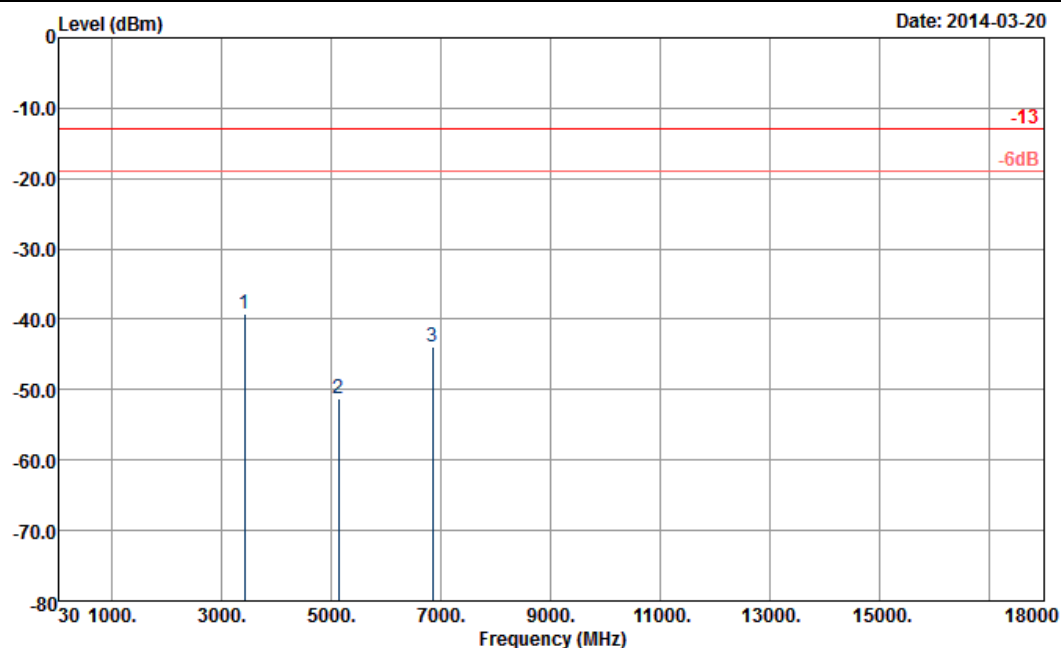
<Low Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3427	-39.26	-13	-26.26	-53.51	-43.08	4.51	8.33	H	Pass
5142	-51.21	-13	-38.21	-69.79	-55.88	5.36	10.03	H	Pass
6857	-43.85	-13	-30.85	-69.7	-49.08	6.13	11.36	H	Pass

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



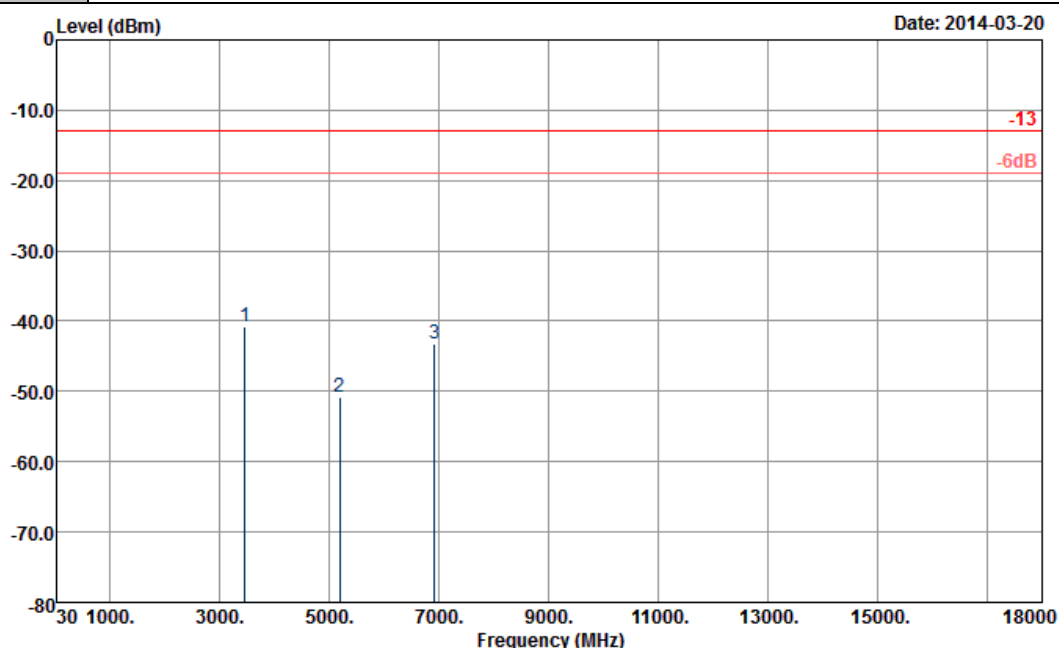
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3427	-39.15	-13	-26.15	-54.74	-42.97	4.51	8.33	V	Pass
5142	-51.31	-13	-38.31	-69.95	-55.98	5.36	10.03	V	Pass
6857	-43.94	-13	-30.94	-69.05	-49.17	6.13	11.36	V	Pass



<Middle Channel>

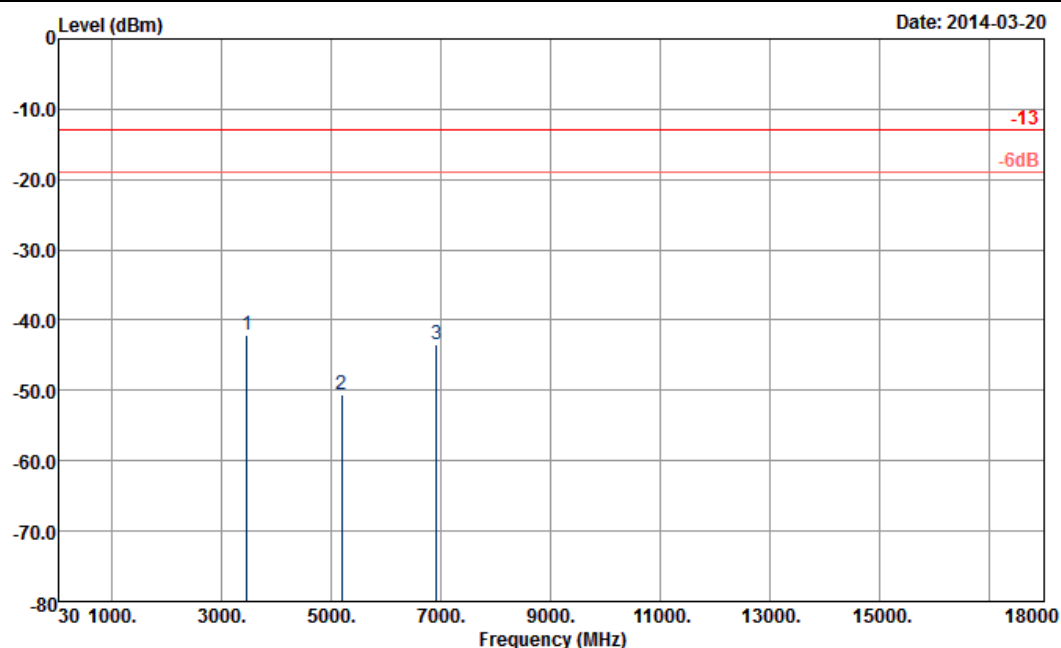
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3462	-40.87	-13	-27.87	-55.19	-44.7	4.48	8.31	H	Pass
5198	-50.78	-13	-37.78	-69.59	-55.42	5.332	9.98	H	Pass
6927	-43.14	-13	-30.14	-69.33	-48.38	6.1	11.34	H	Pass

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



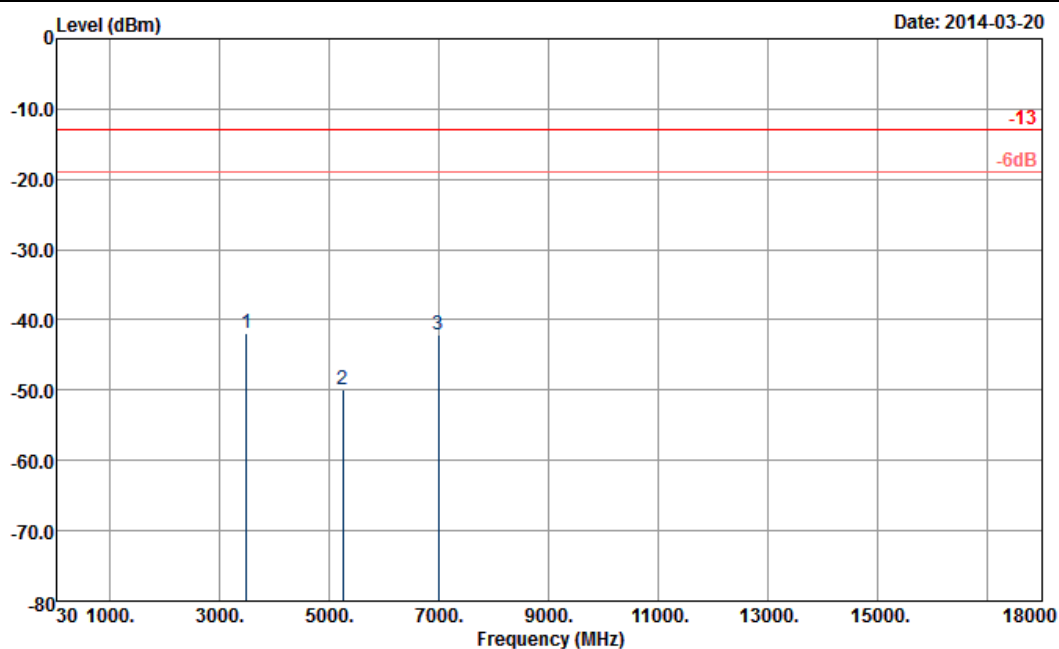
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3462	-42.18	-13	-29.18	-57.75	-46.01	4.48	8.31	V	Pass
5198	-50.51	-13	-37.51	-69.37	-55.15	5.332	9.98	V	Pass
6927	-43.47	-13	-30.47	-68.84	-48.71	6.1	11.34	V	Pass



<High Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

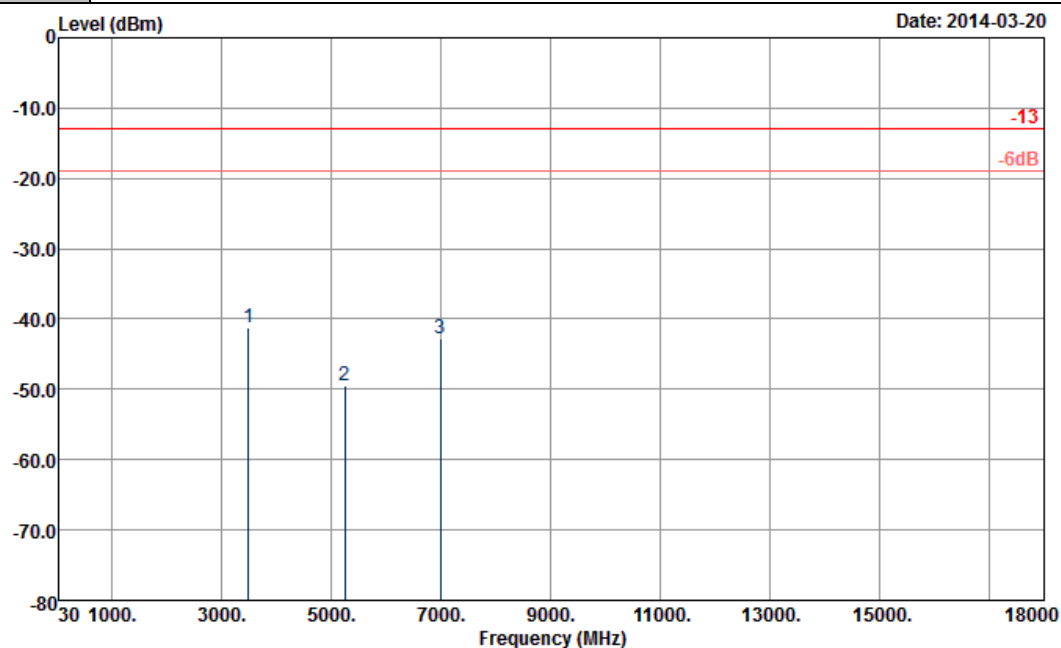


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3497	-41.92	-13	-28.92	-56.3	-46.11	4.2	8.39	H	Pass
5247	-49.87	-13	-36.87	-68.93	-54.75	5.17	10.05	H	Pass
6997	-42.02	-13	-29.02	-68.54	-47.22	6.2	11.40	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 24	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



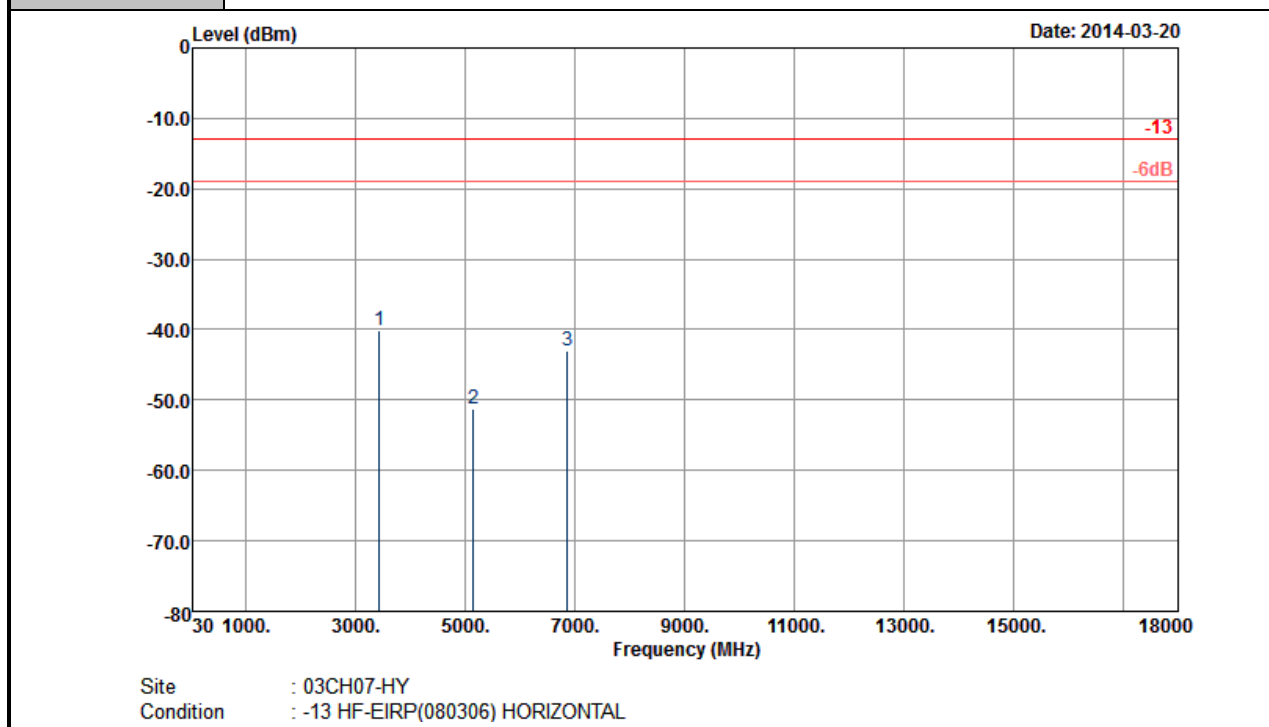
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3497	-41.12	-13	-28.12	-56.66	-45.31	4.2	8.39	V	Pass
5247	-49.37	-13	-36.37	-68.45	-54.25	5.17	10.05	V	Pass
6997	-42.82	-13	-29.82	-68.46	-48.02	6.2	11.40	V	Pass



<Low Channel>

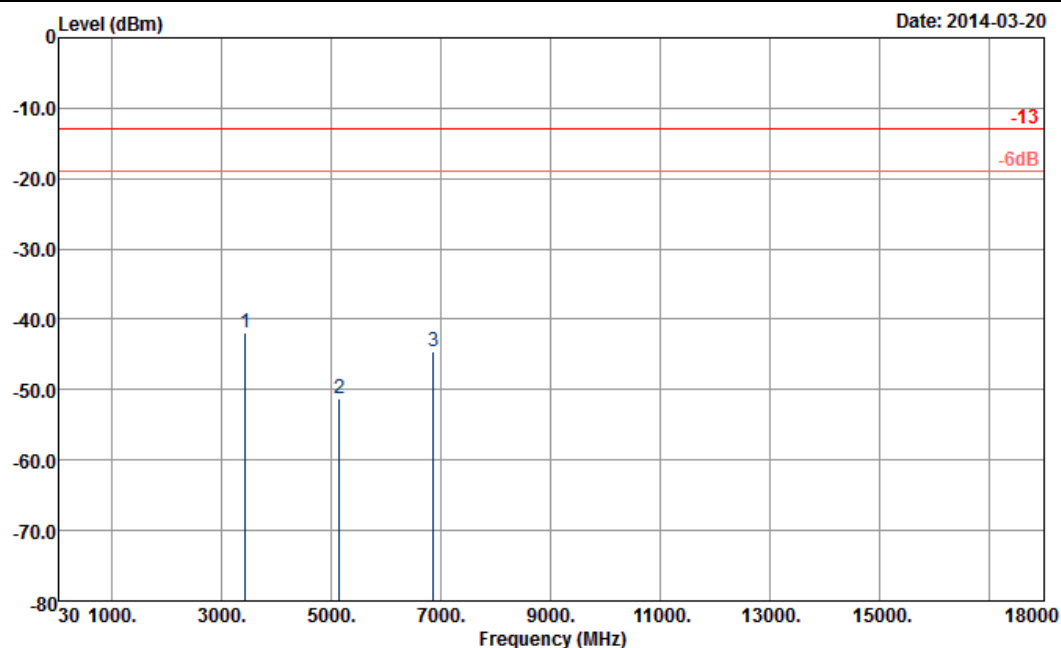
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3434	-40.01	-13	-27.01	-54.26	-43.78	4.59	8.36	H	Pass
5156	-51.33	-13	-38.33	-69.91	-55.97	5.41	10.05	H	Pass
6870	-42.93	-13	-29.93	-68.76	-48.17	6.15	11.39	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



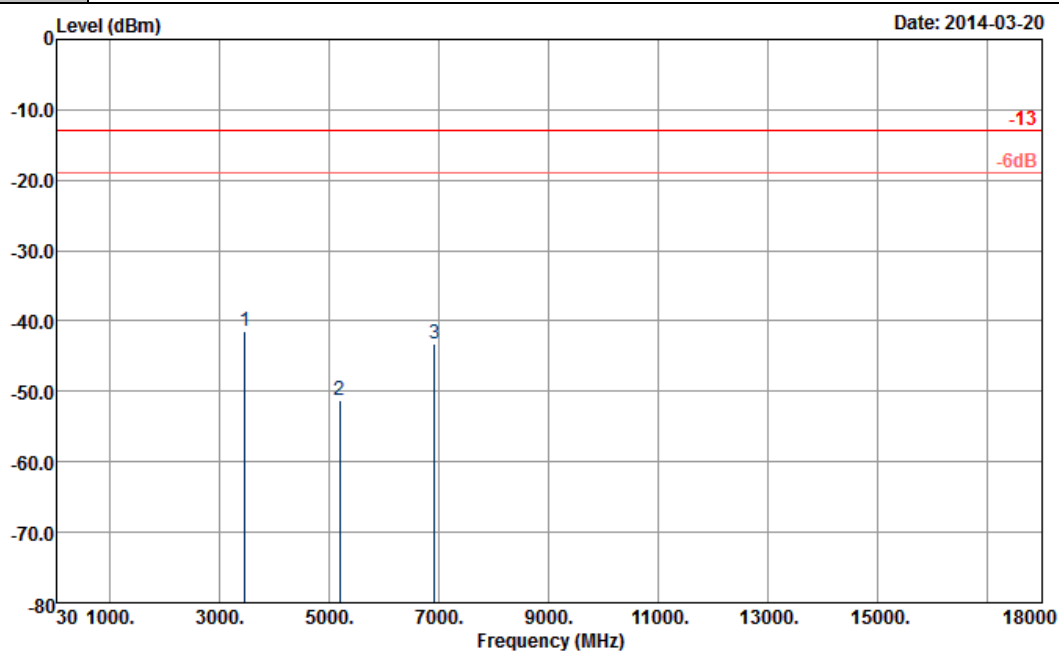
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3434	-41.91	-13	-28.91	-57.49	-45.68	4.59	8.36	V	Pass
5156	-51.19	-13	-38.19	-69.82	-55.83	5.41	10.05	V	Pass
6871	-44.50	-13	-31.50	-69.58	-49.74	6.15	11.39	V	Pass



<Middle Channel>

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

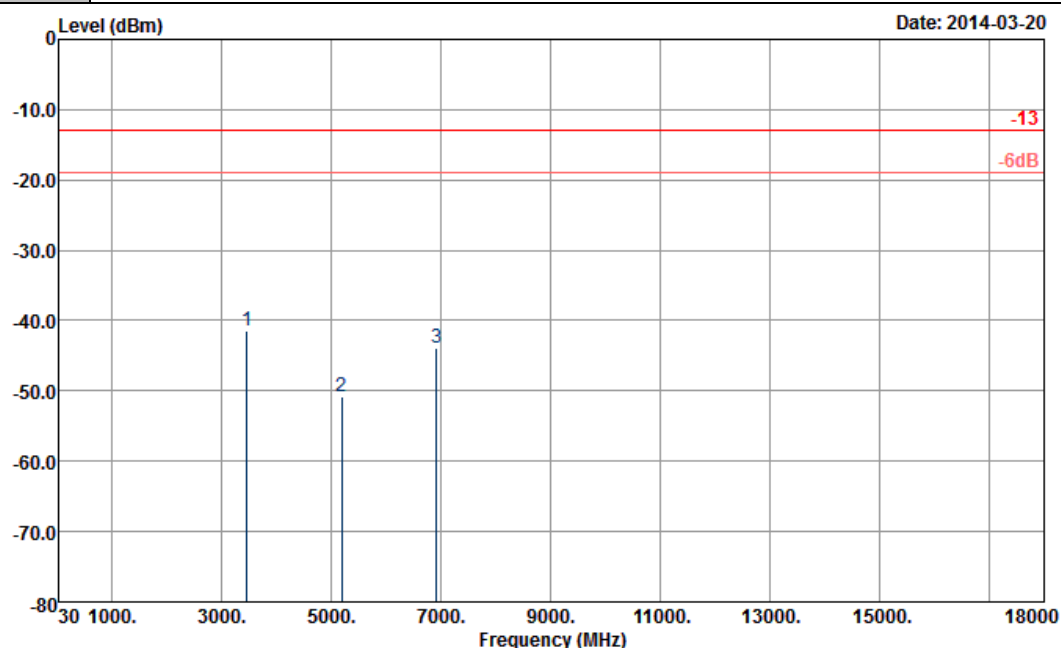


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3462	-41.51	-13	-28.51	-55.82	-45.34	4.48	8.31	H	Pass
5198	-51.24	-13	-38.24	-70.08	-55.88	5.332	9.98	H	Pass
6927	-43.14	-13	-30.14	-69.33	-48.38	6.1	11.34	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



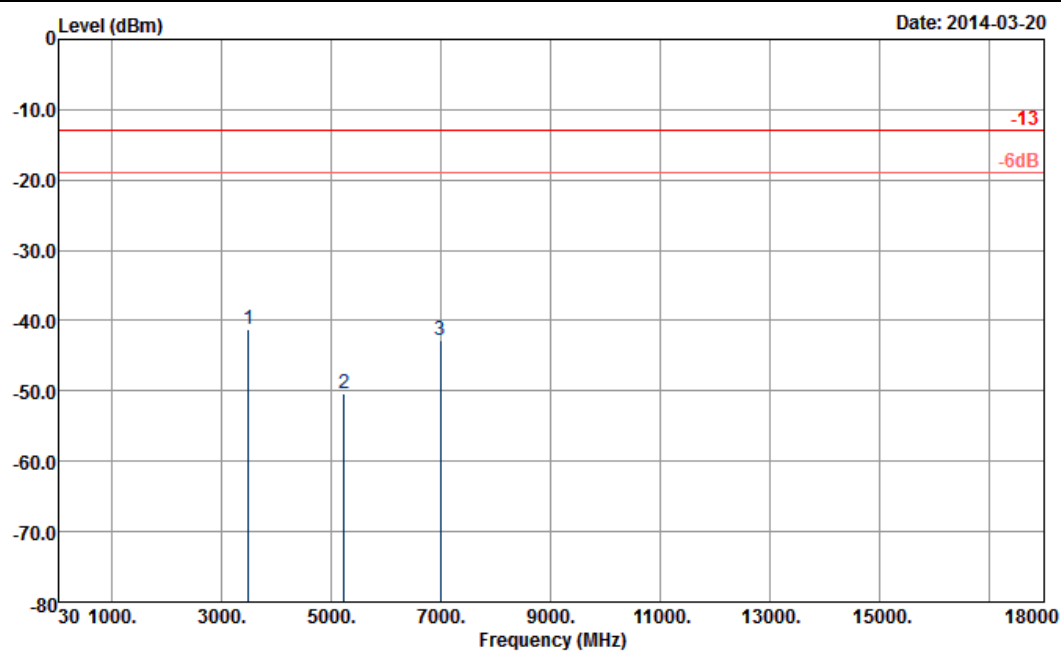
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3462	-41.39	-13	-28.39	-59.96	-45.22	4.48	8.31	V	Pass
5198	-50.90	-13	-37.90	-69.77	-55.54	5.332	9.98	V	Pass
6927	-43.84	-13	-30.84	-69.2	-49.08	6.1	11.34	V	Pass



<High Channel>

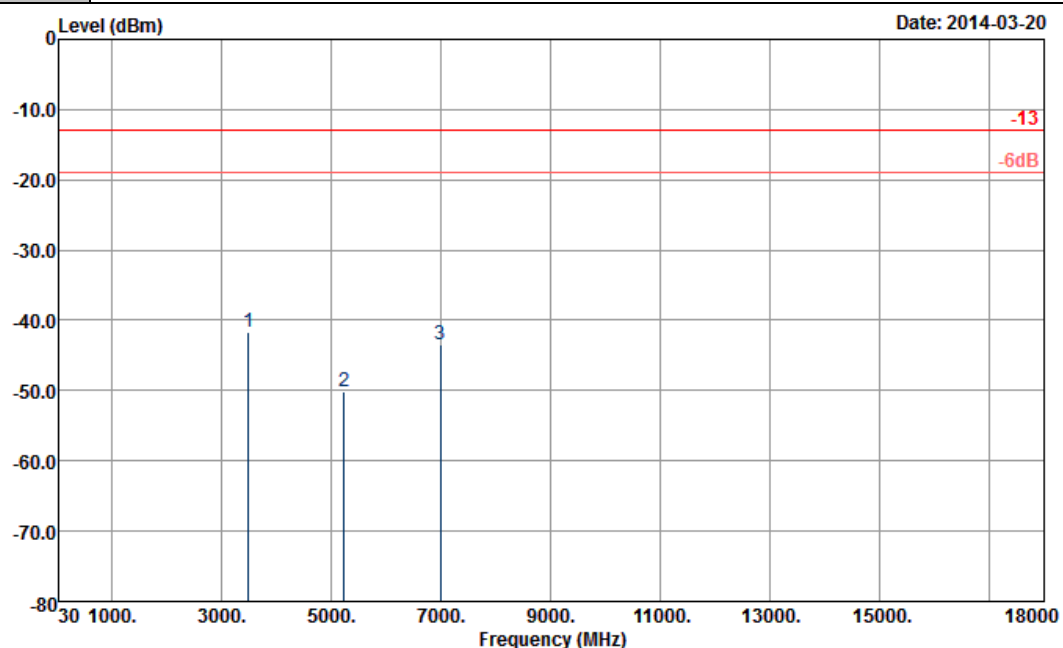
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3497	-41.27	-13	-28.27	-56.65	-45.41	4.24	8.38	H	Pass
5240	-50.35	-13	-37.35	-69.33	-55.22	5.18	10.05	H	Pass
6990	-42.72	-13	-29.72	-69.15	-47.91	6.19	11.38	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 37	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



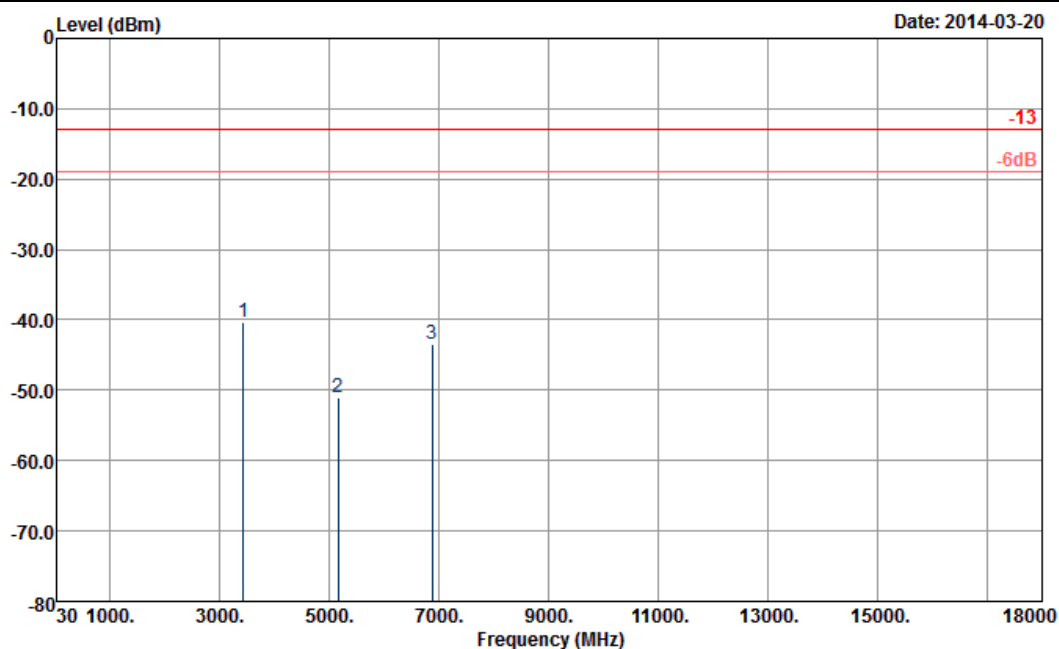
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3497	-41.78	-13	-28.78	-57.34	-45.92	4.24	8.38	V	Pass
5240	-50.14	-13	-37.14	-69.14	-55.01	5.18	10.05	V	Pass
6990	-43.48	-13	-30.48	-69.05	-48.67	6.19	11.38	V	Pass



<Low Channel>

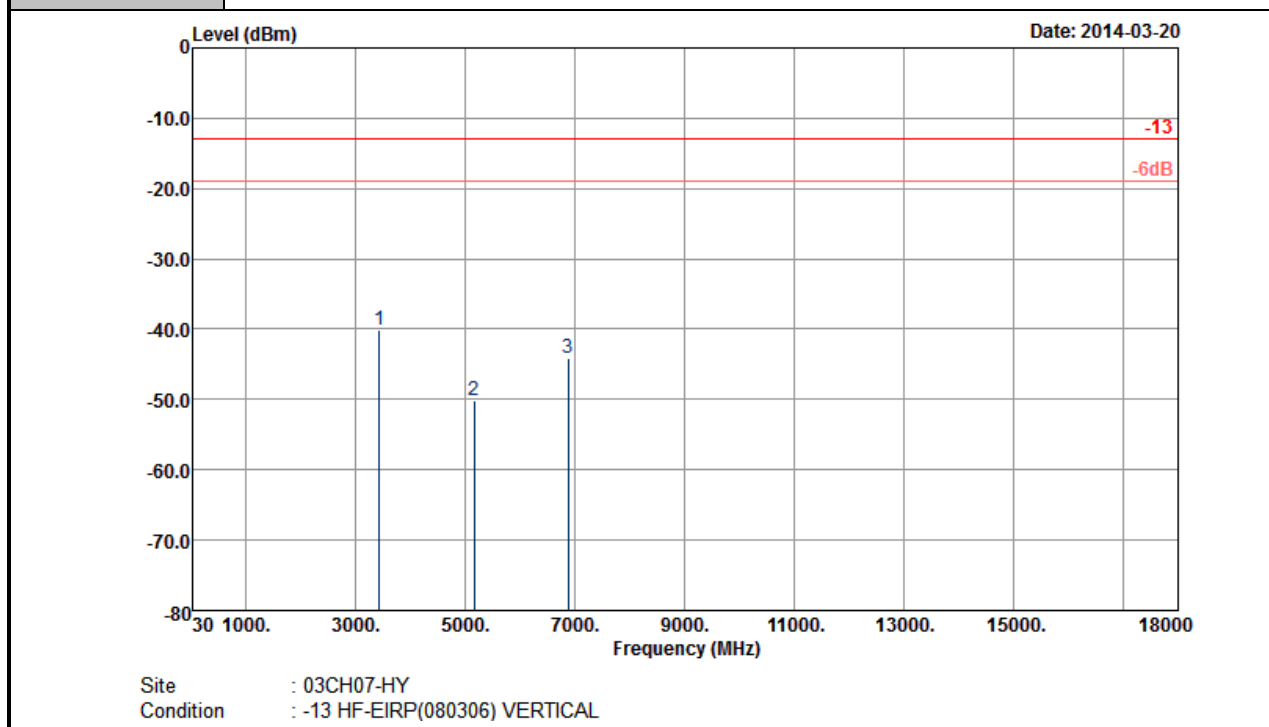
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 49	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3441	-40.23	-13	-27.23	-54.51	-44.01	4.62	8.40	H	Pass
5163	-51.08	-13	-38.08	-69.75	-55.71	5.45	10.08	H	Pass
6878	-43.44	-13	-30.44	-69.36	-48.68	6.18	11.42	H	Pass

Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 49	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

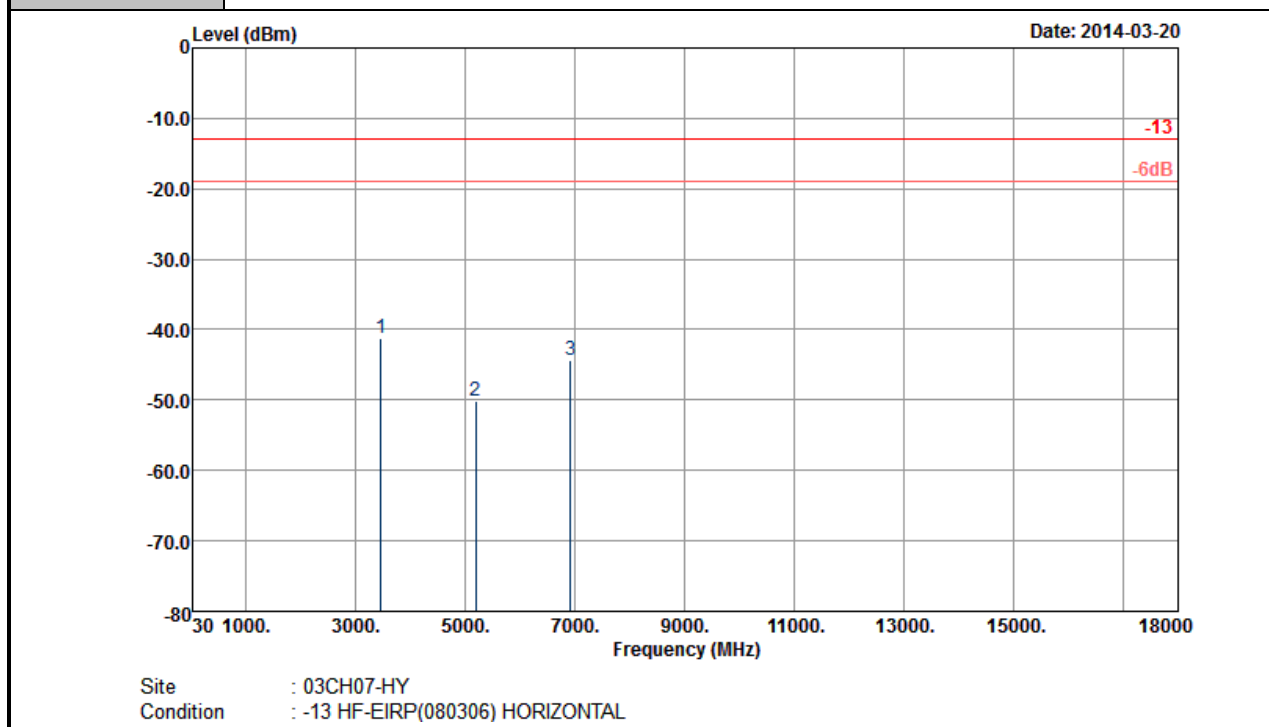


Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3441	-40.08	-13	-27.08	-55.65	-43.86	4.62	8.40	V	Pass
5163	-50.04	-13	-37.04	-68.74	-54.67	5.45	10.08	V	Pass
6878	-44.22	-13	-31.22	-69.37	-49.46	6.18	11.42	V	Pass



<Middle Channel>

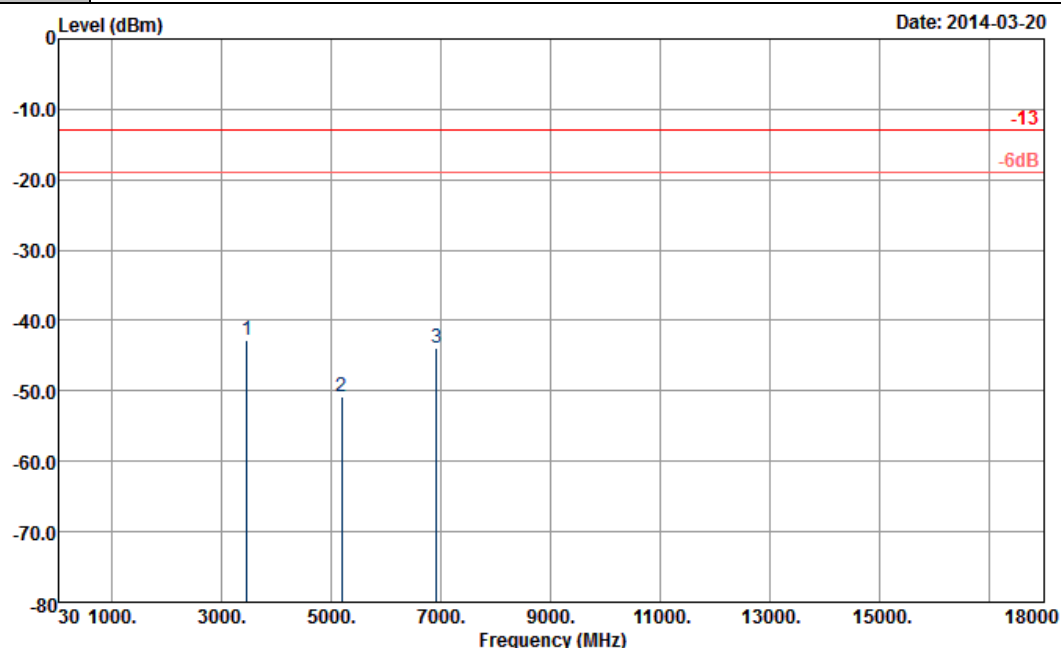
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 49	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3462	-41.30	-13	-28.30	-55.65	-45.13	4.48	8.31	H	Pass
5198	-50.25	-13	-37.25	-69.14	-54.89	5.332	9.98	H	Pass
6927	-44.34	-13	-31.34	-69.51	-49.58	6.1	11.34	H	Pass



Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 49	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



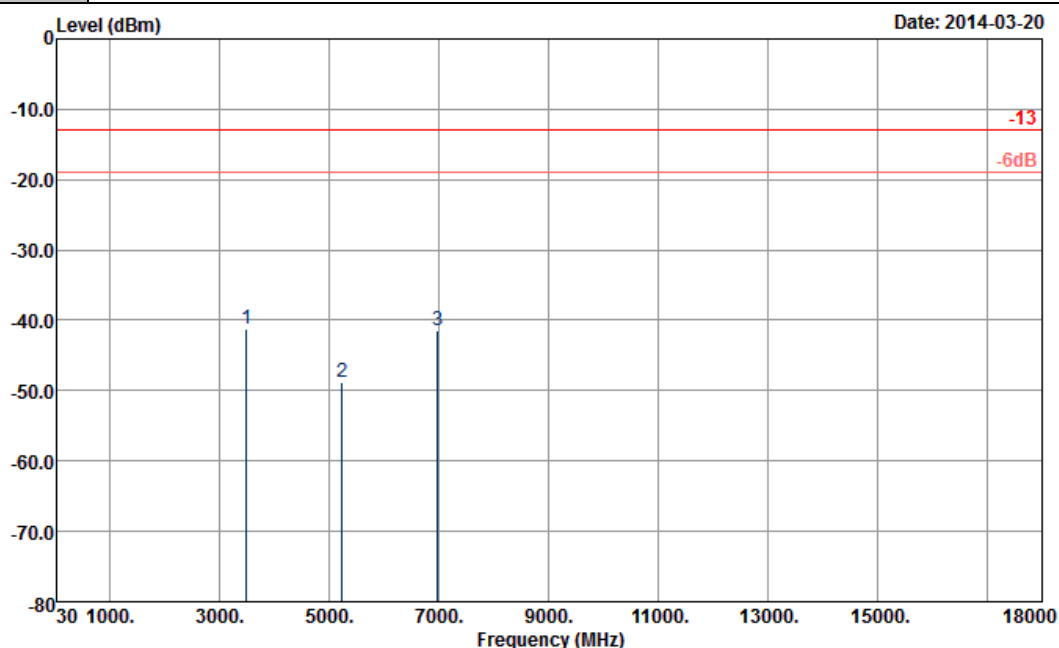
Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) VERTICAL

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
3462	-42.77	-13	-29.77	-58.33	-46.6	4.48	8.31	V	Pass
5198	-50.71	-13	-37.71	-69.55	-55.35	5.332	9.98	V	Pass
6927	-43.80	-13	-30.80	-69.16	-49.04	6.1	11.34	V	Pass



<High Channel>

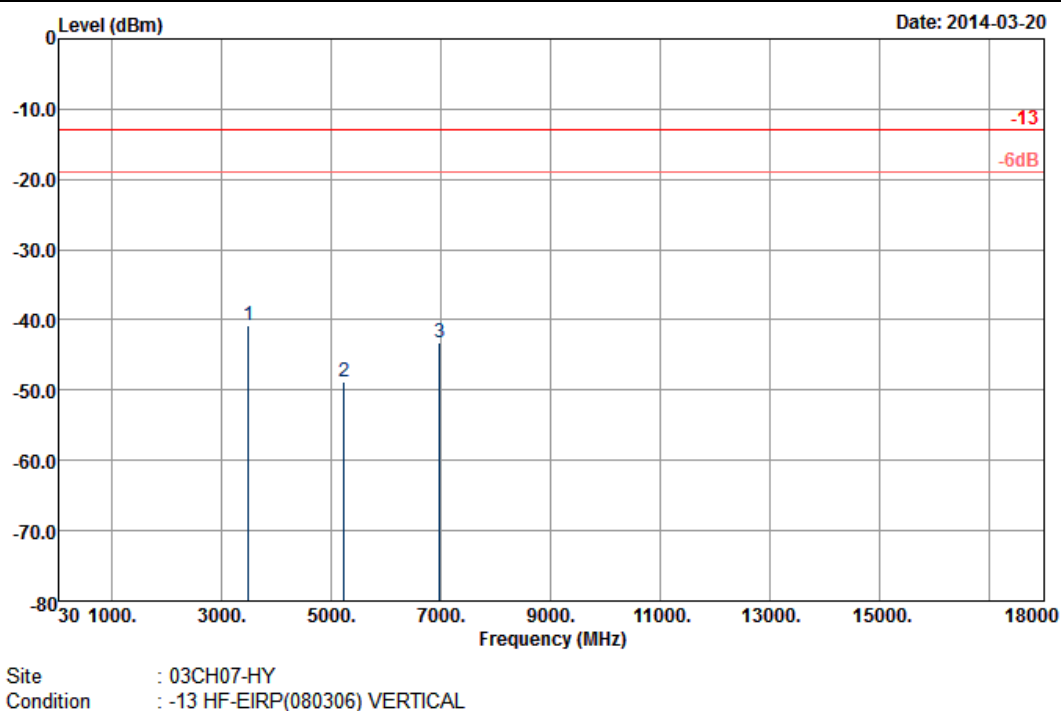
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 49	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
3490	-41.24	-13	-28.24	-55.61	-45.33	4.28	8.37	H	Pass
5235	-48.91	-13	-35.91	-67.9	-53.72	5.22	10.03	H	Pass
6980	-41.51	-13	-28.51	-67.94	-46.64	6.23	11.36	H	Pass

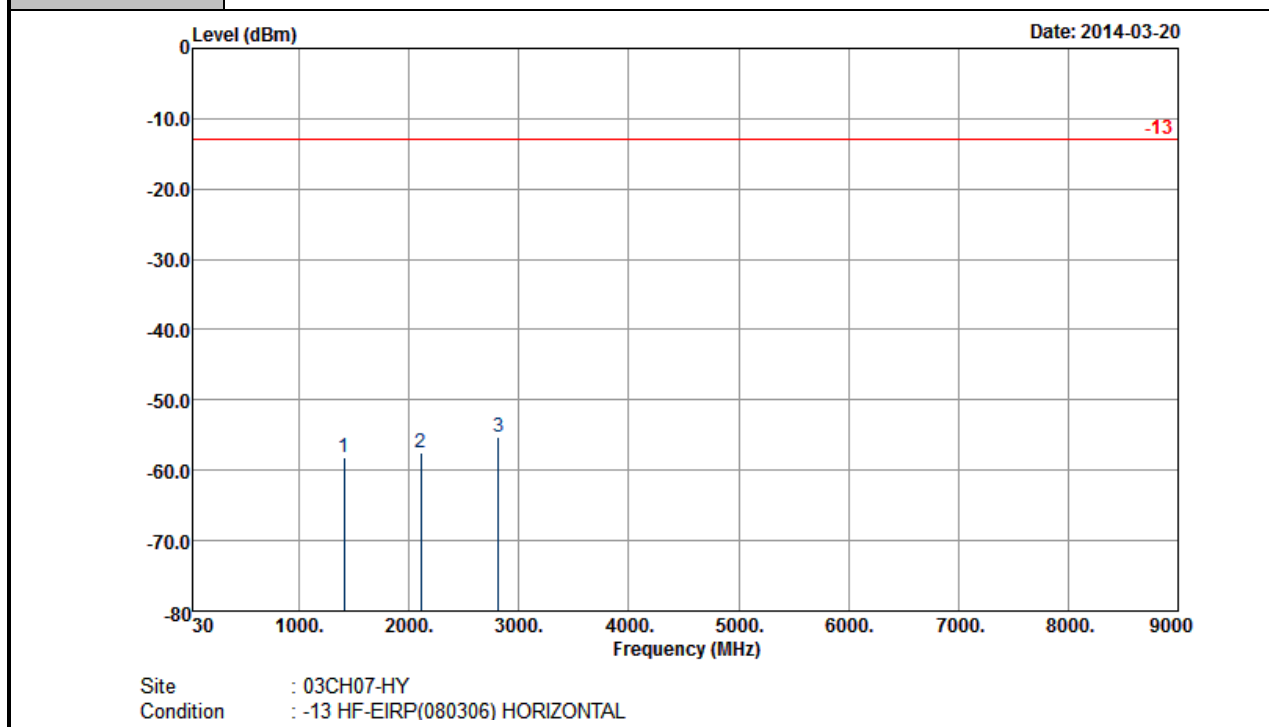
Band :	LTE Band 4	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 49	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
3490	-40.69	-13	-27.69	-56.25	-44.78	4.28	8.37	V	Pass
5233	-48.86	-13	-35.86	-67.85	-53.67	5.22	10.03	V	Pass
6983	-43.13	-13	-30.13	-68.72	-48.26	6.23	11.36	V	Pass

<Low Channel>

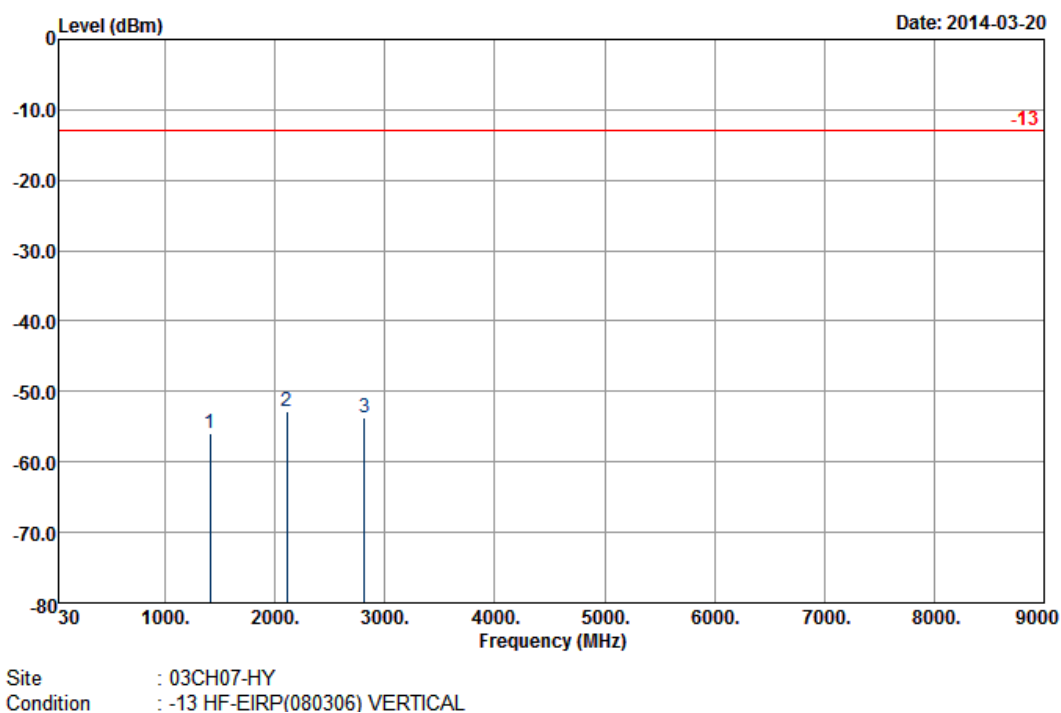
Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
1408	-58.11	-13	-45.11	-66.95	-62.2	1.51	5.60	H	Pass
2112	-57.42	-13	-44.42	-68.3	-61.6	1.82	6.00	H	Pass
2816	-55.32	-13	-42.32	-68.76	-60.1	2.2	6.98	H	Pass



Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

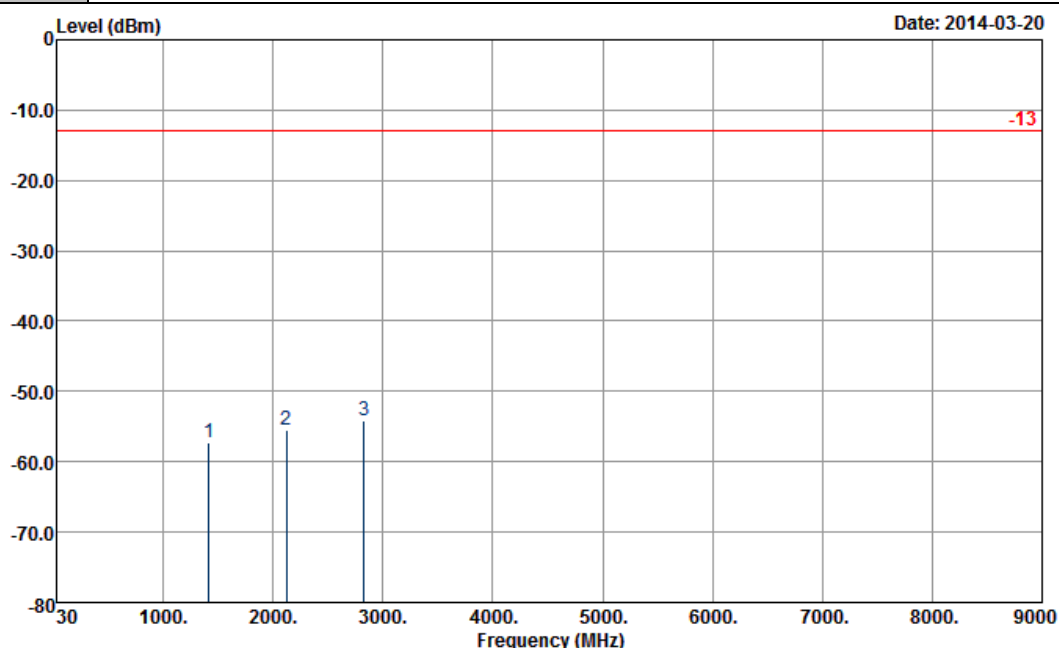


Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-56.01	-13	-43.01	-66.2	-60.1	1.51	5.60	V	Pass
2112	-52.92	-13	-39.92	-66.71	-57.1	1.82	6.00	V	Pass
2816	-53.62	-13	-40.62	-68.4	-58.4	2.2	6.98	V	Pass



<Middle Channel>

Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

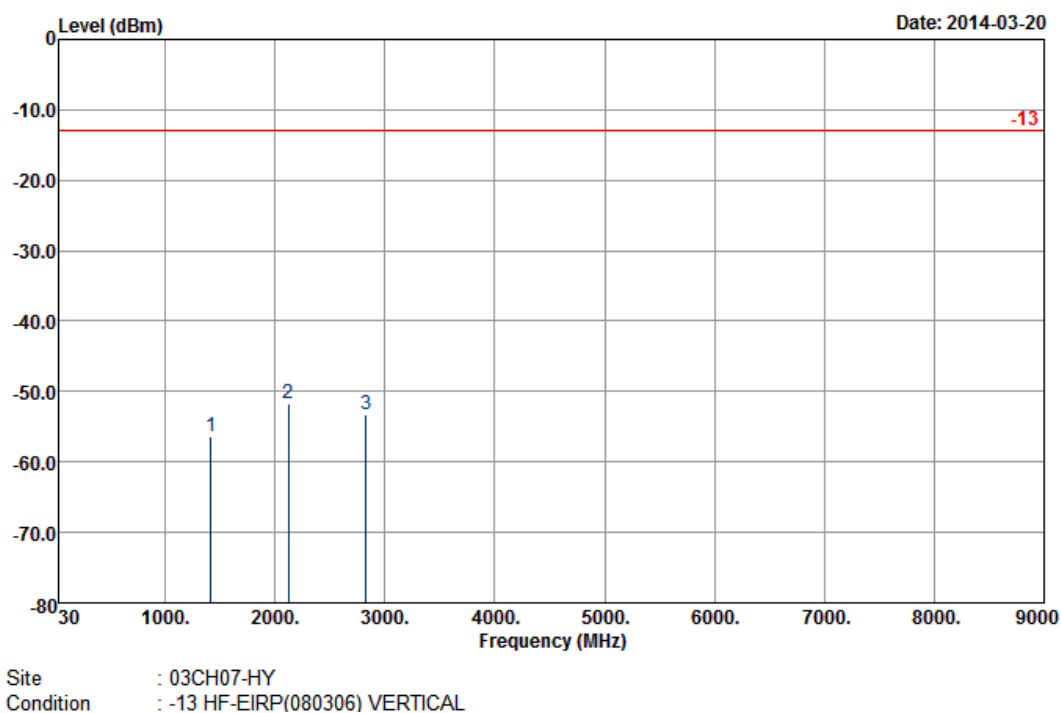


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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	-57.32	-13	-44.32	-65.23	-61.4	1.53	5.61	H	Pass
2123	-55.53	-13	-42.53	-66.33	-59.7	1.85	6.02	H	Pass
2830	-54.04	-13	-41.04	-67.84	-58.8	2.24	7.00	H	Pass



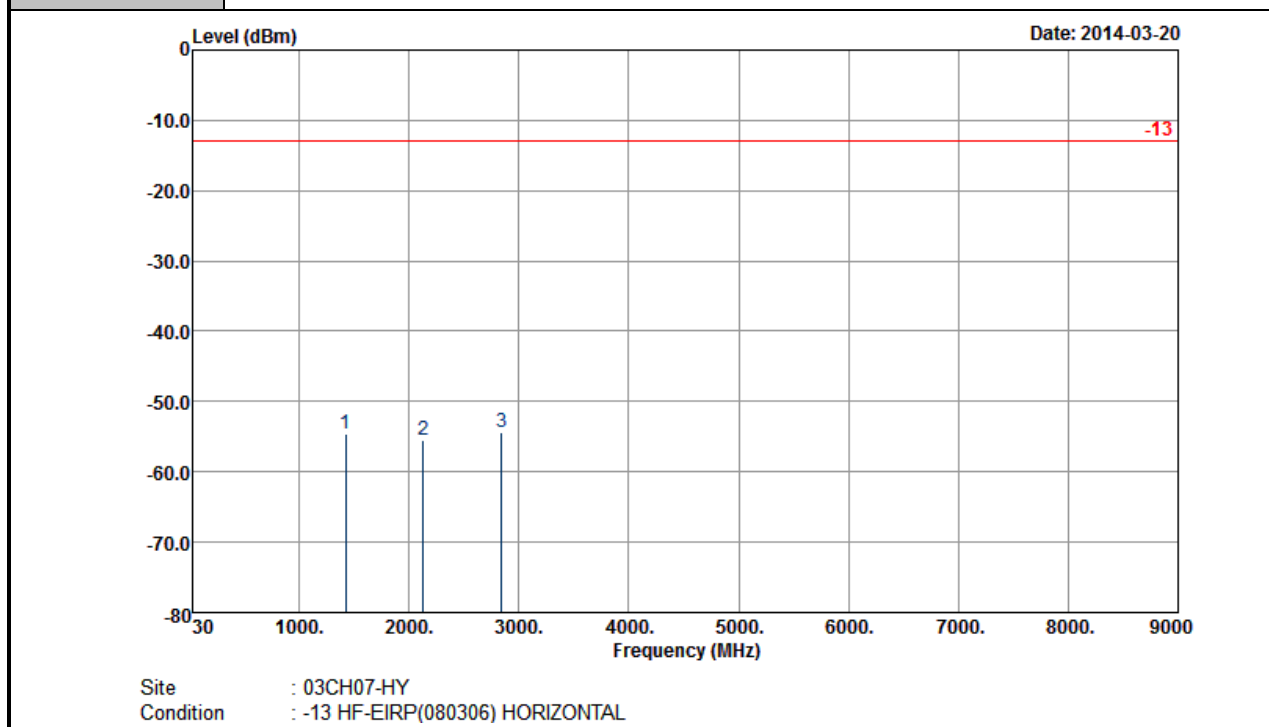
Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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	-56.32	-13	-43.32	-67.03	-60.4	1.53	5.61	V	Pass
2123	-51.63	-13	-38.63	-64.95	-55.8	1.85	6.02	V	Pass
2830	-53.34	-13	-40.34	-68.39	-58.1	2.24	7.00	V	Pass

<High Channel>

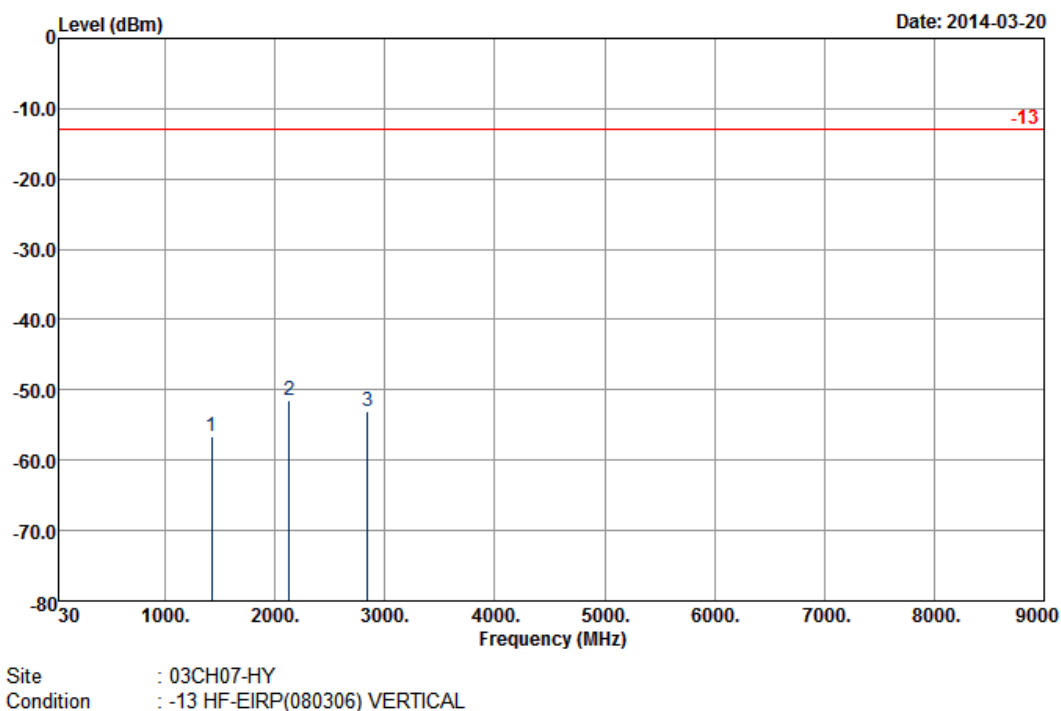
Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
1422	-54.70	-13	-41.70	-63.13	-58.8	1.54	5.64	H	Pass
2133	-55.39	-13	-42.39	-66.79	-59.6	1.87	6.08	H	Pass
2844	-54.35	-13	-41.35	-68.13	-59.2	2.26	7.11	H	Pass



Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

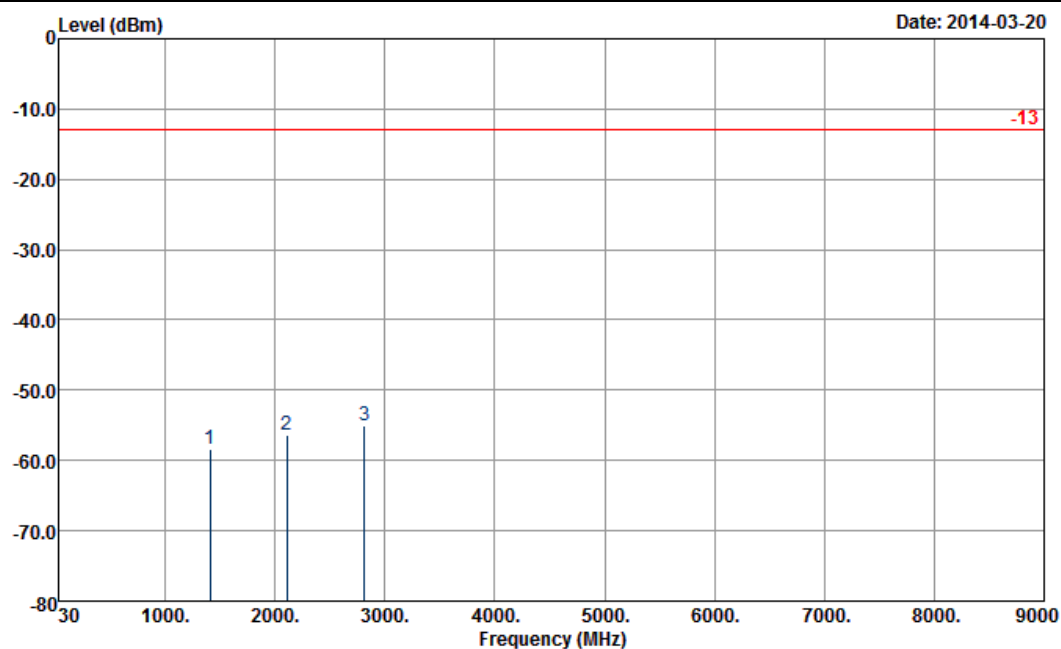


Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1422	-56.70	-13	-43.70	-66.73	-60.8	1.54	5.64	V	Pass
2133	-51.39	-13	-38.39	-64.71	-55.6	1.87	6.08	V	Pass
2844	-52.95	-13	-39.95	-68.05	-57.8	2.26	7.11	V	Pass



<Low Channel>

Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

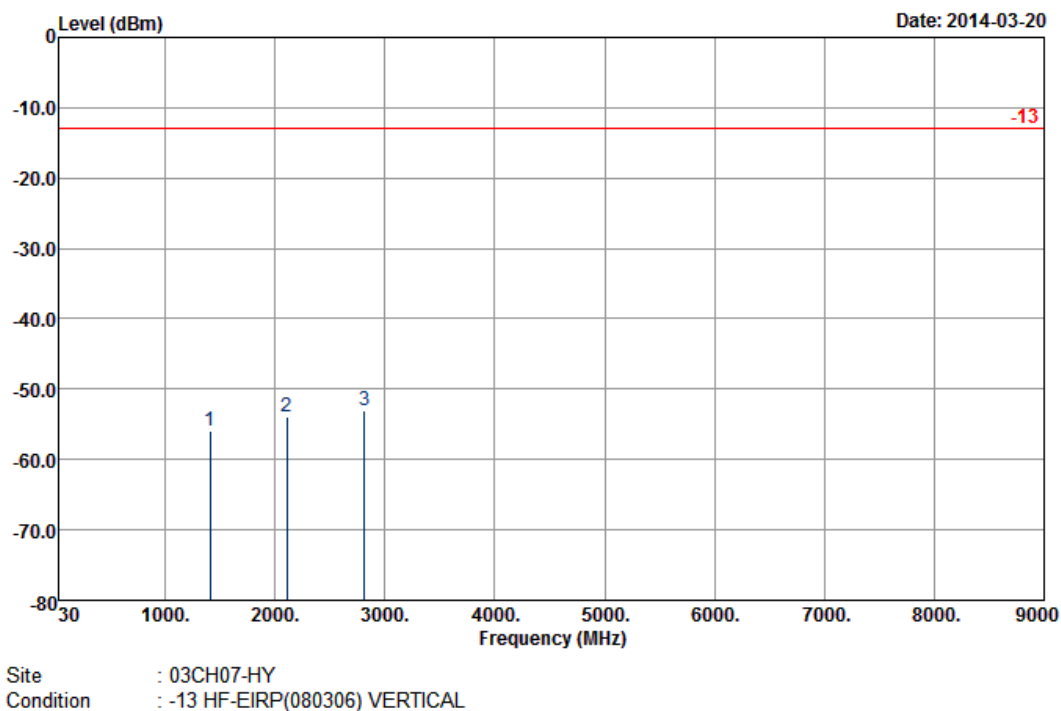


Site : 03CH07-HY
Condition : -13 HF-EIRP(080306) HORIZONTAL

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
1408	-58.41	-13	-45.41	-66.45	-62.5	1.52	5.61	H	Pass
2112	-56.31	-13	-43.31	-67.28	-60.5	1.83	6.02	H	Pass
2816	-55.13	-13	-42.13	-68.56	-59.9	2.24	7.01	H	Pass



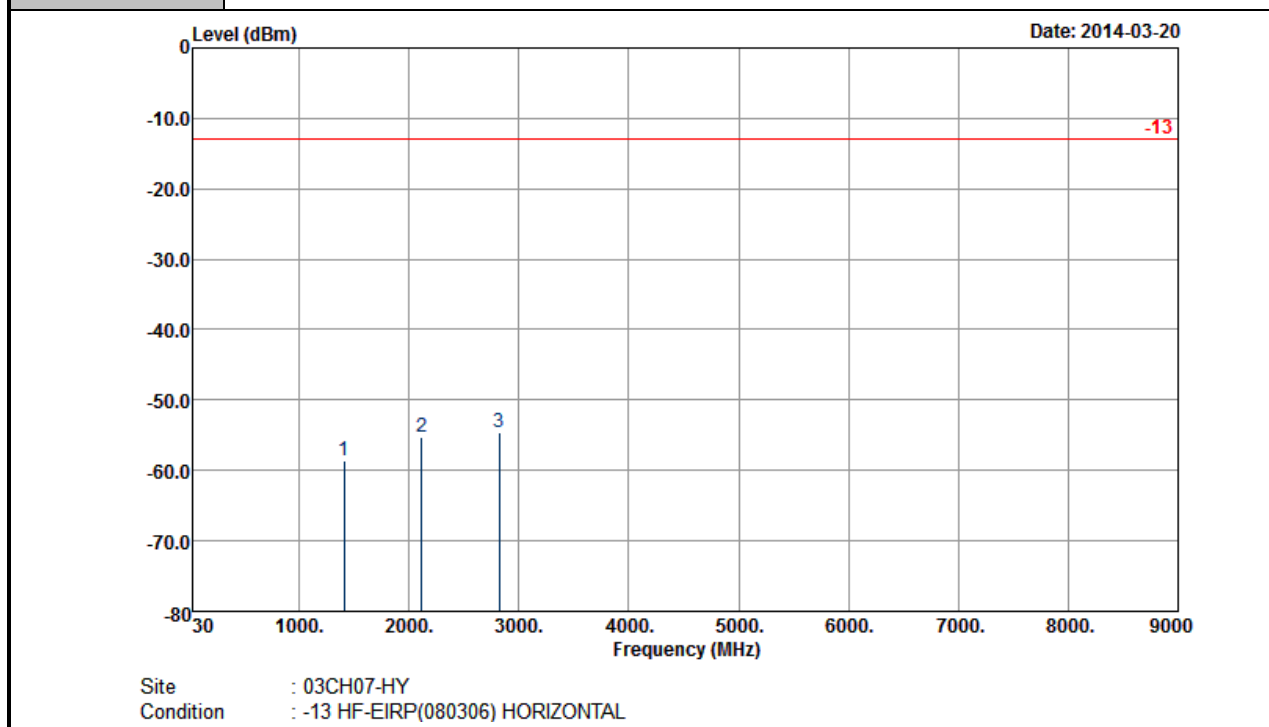
Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
1408	-56.00	-13	-43.00	-66.47	-60.1	1.51	5.61	V	Pass
2112	-53.90	-13	-40.90	-66.79	-58.1	1.82	6.02	V	Pass
2816	-52.99	-13	-39.99	-67.82	-57.8	2.2	7.01	V	Pass

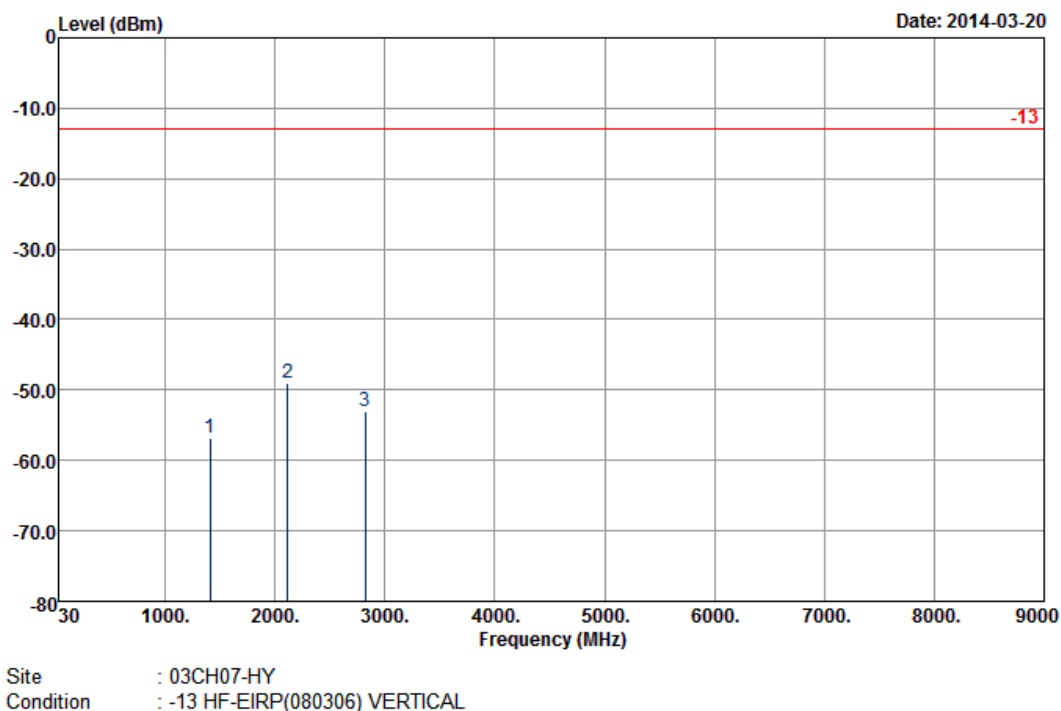
<Middle Channel>

Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
1410	-58.52	-13	-45.52	-66.87	-62.6	1.53	5.61	H	Pass
2115	-55.23	-13	-42.23	-66.22	-59.4	1.85	6.02	H	Pass
2820	-54.54	-13	-41.54	-68.31	-59.3	2.24	7.00	H	Pass

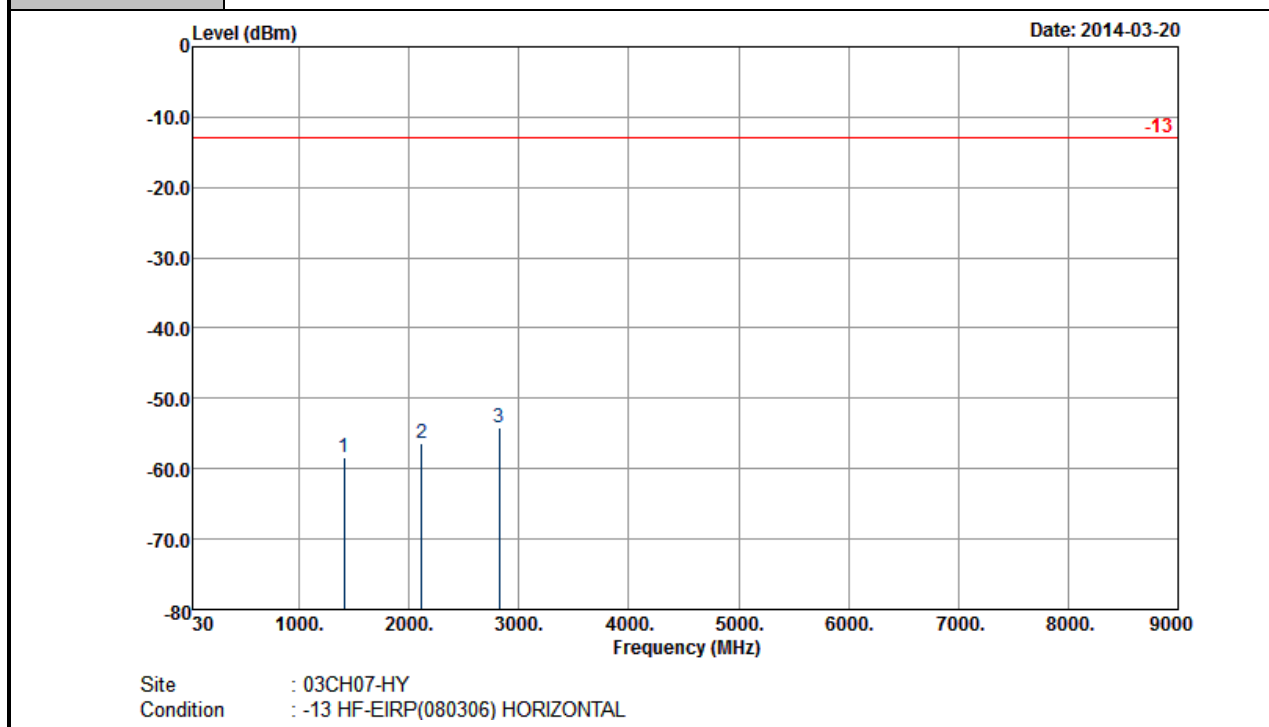
Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
1410	-56.72	-13	-43.72	-67.26	-60.8	1.53	5.61	V	Pass
2115	-49.03	-13	-36.03	-62.32	-53.2	1.85	6.02	V	Pass
2820	-53.04	-13	-40.04	-67.96	-57.8	2.24	7.00	V	Pass

<High Channel>

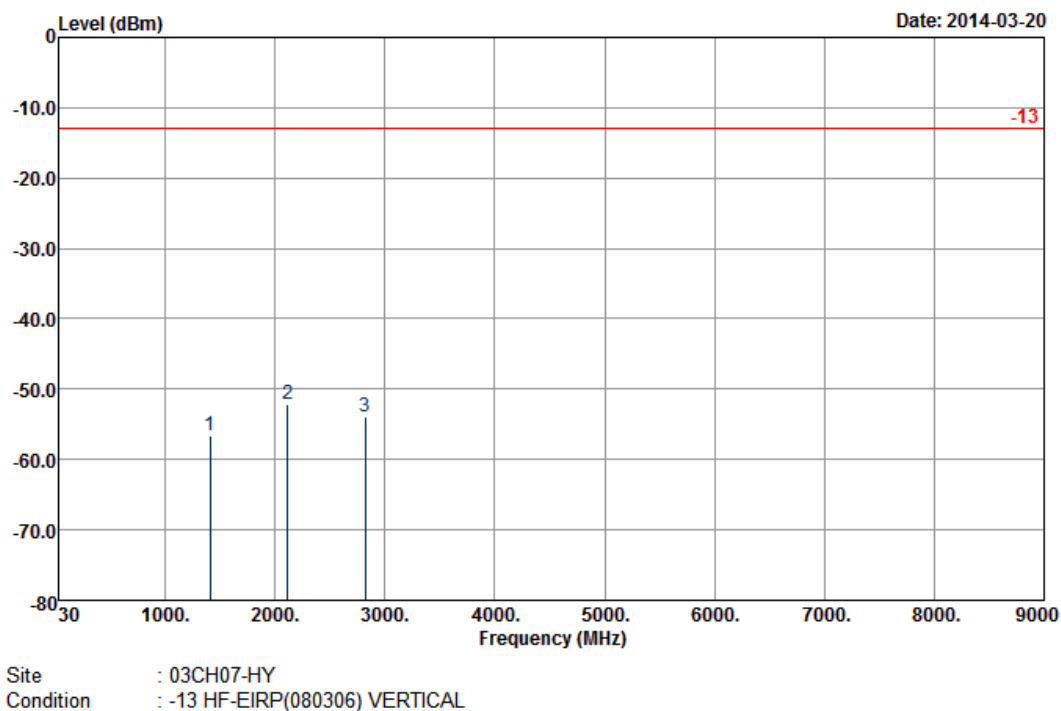
Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
1412	-58.40	-13	-45.40	-66.45	-62.5	1.53	5.63	H	Pass
2118	-56.30	-13	-43.30	-67.83	-60.5	1.88	6.08	H	Pass
2824	-54.26	-13	-41.26	-67.81	-59.1	2.27	7.11	H	Pass



Band :	LTE Band 17	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

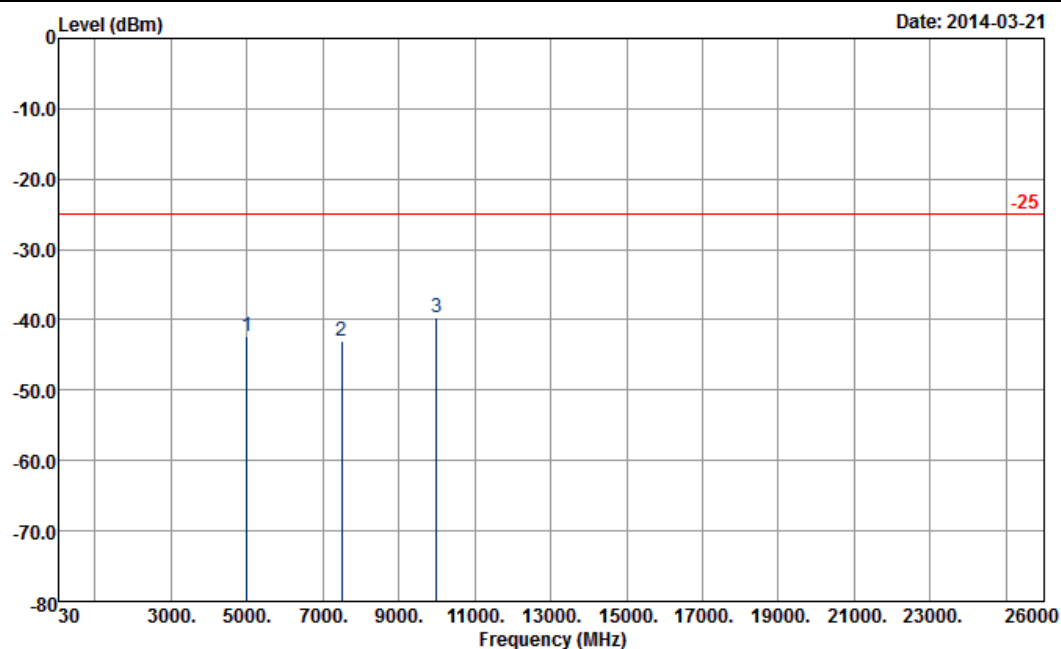


Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-56.50	-13	-43.50	-66.8	-60.6	1.53	5.63	V	Pass
2118	-52.20	-13	-39.20	-65.27	-56.4	1.88	6.08	V	Pass
2824	-53.86	-13	-40.86	-68.41	-58.7	2.27	7.11	V	Pass



<Low Channel>

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

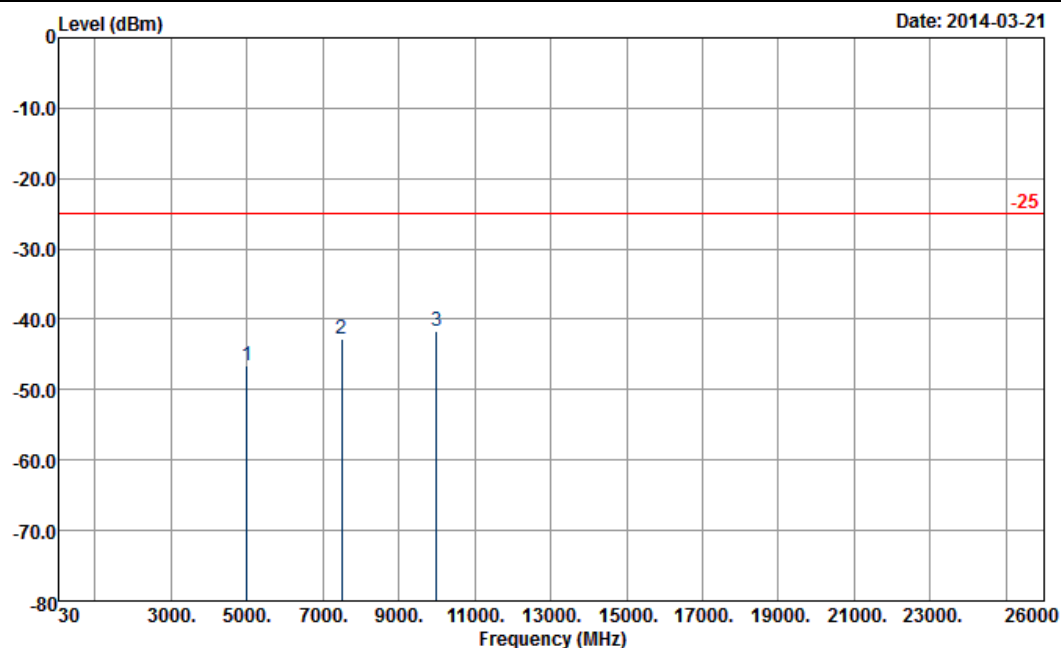


Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) HORIZONTAL

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
5000	-42.24	-25	-17.24	-59.96	-45.8	6.78	10.34	H	Pass
7500	-43.06	-25	-18.06	-69.89	-46.1	9.22	12.26	H	Pass
10000	-39.76	-25	-14.76	-69.43	-44.1	8.51	12.85	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



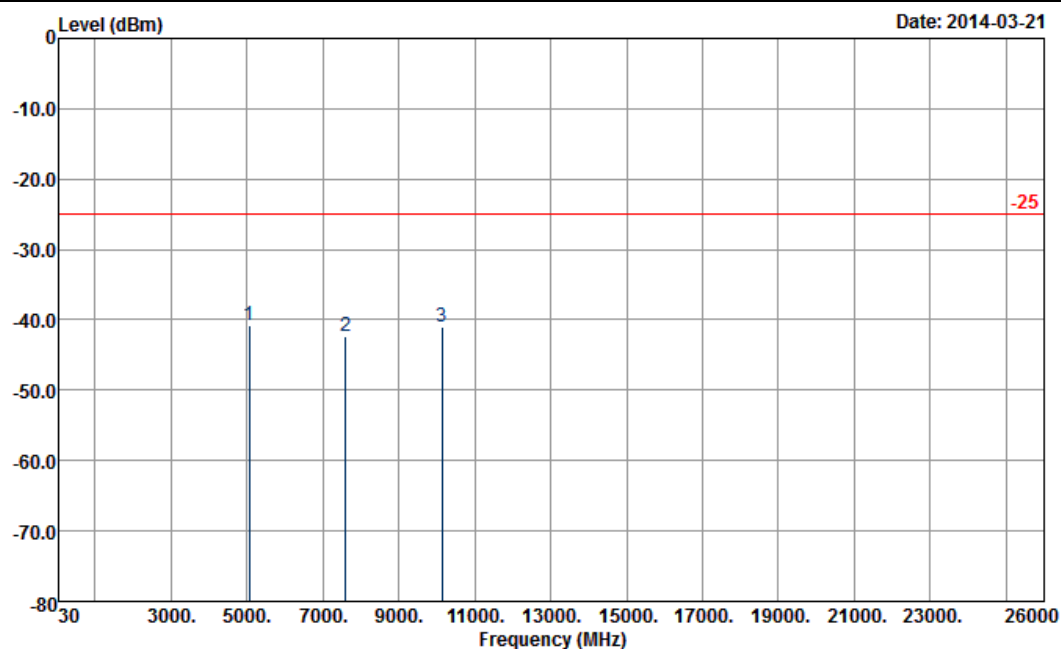
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5000	-46.54	-25	-21.54	-64.58	-50.1	6.78	10.34	V	Pass
7500	-42.76	-25	-17.76	-69.6	-45.8	9.22	12.26	V	Pass
10000	-41.76	-25	-16.76	-69.75	-46.1	8.51	12.85	V	Pass



<Middle Channel>

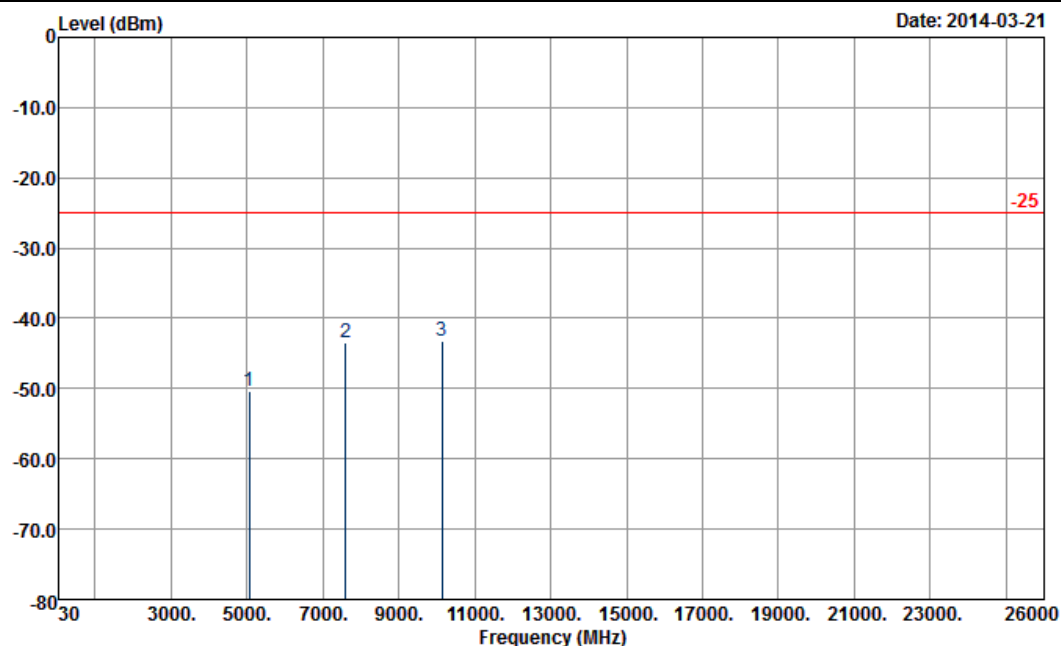
Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
5064	-40.79	-25	-15.79	-58.9	-44.28	6.86	10.35	H	Pass
7598	-42.45	-25	-17.45	-69.56	-45.34	9.34	12.23	H	Pass
10134	-40.90	-25	-15.90	-69.31	-45	8.64	12.74	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



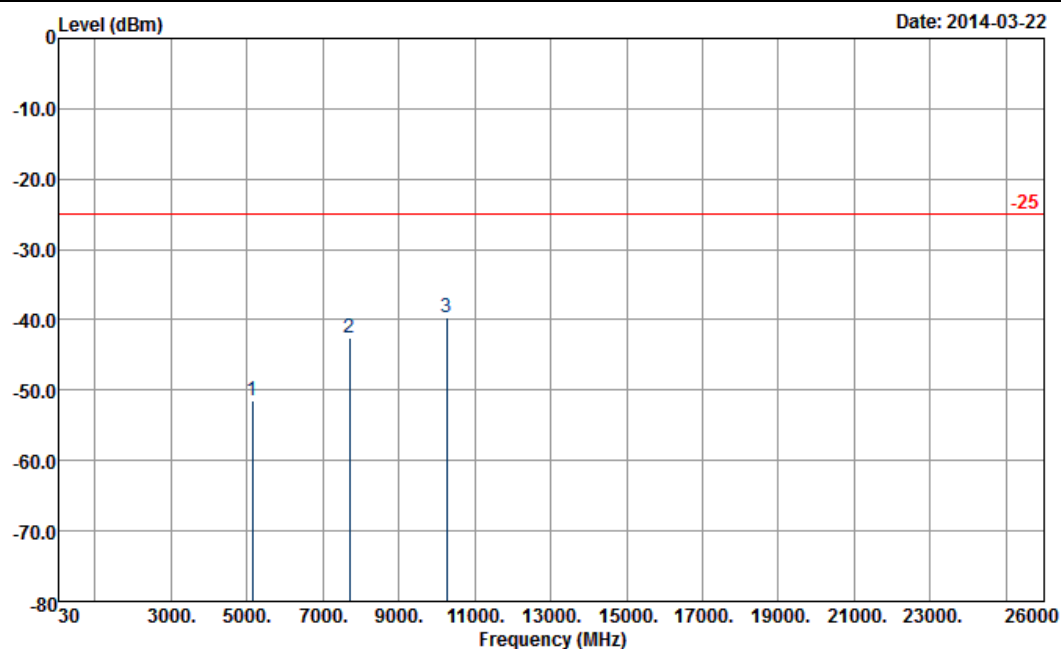
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5064	-50.36	-25	-25.36	-68.5	-53.85	6.86	10.35	V	Pass
7596	-43.40	-25	-18.40	-69.66	-46.29	9.34	12.23	V	Pass
10134	-43.15	-25	-18.15	-69.05	-47.25	8.64	12.74	V	Pass



<High Channel>

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

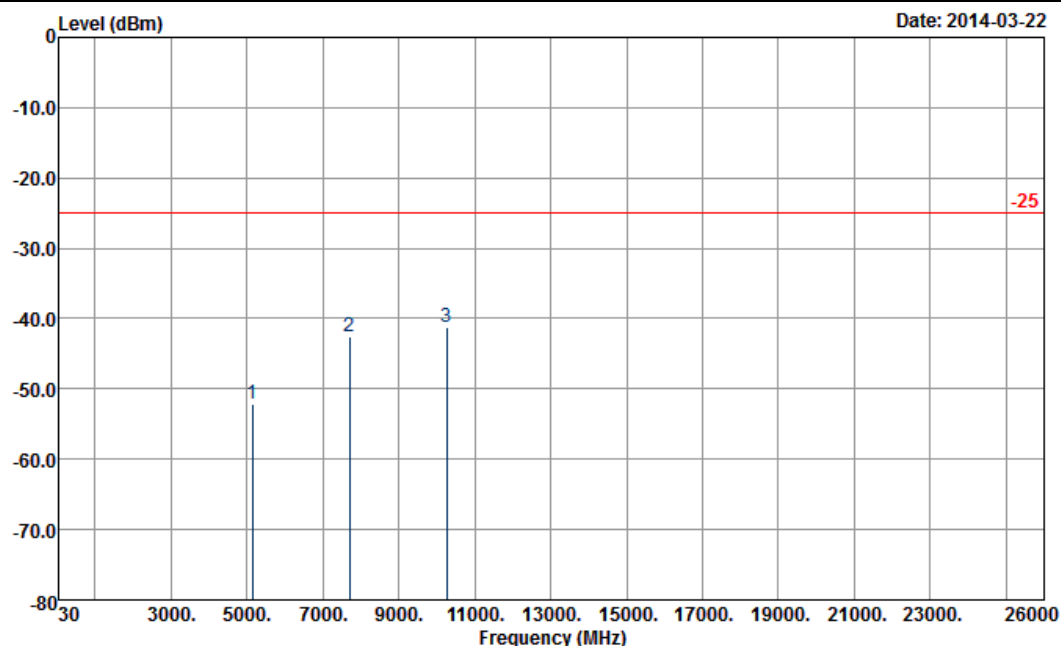


Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) HORIZONTAL

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
5130	-51.57	-25	-26.57	-70.25	-55.1	6.9	10.43	H	Pass
7695	-42.57	-25	-17.57	-68.84	-45.5	9.39	12.32	H	Pass
10260	-39.76	-25	-14.76	-69.51	-43.9	8.71	12.85	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



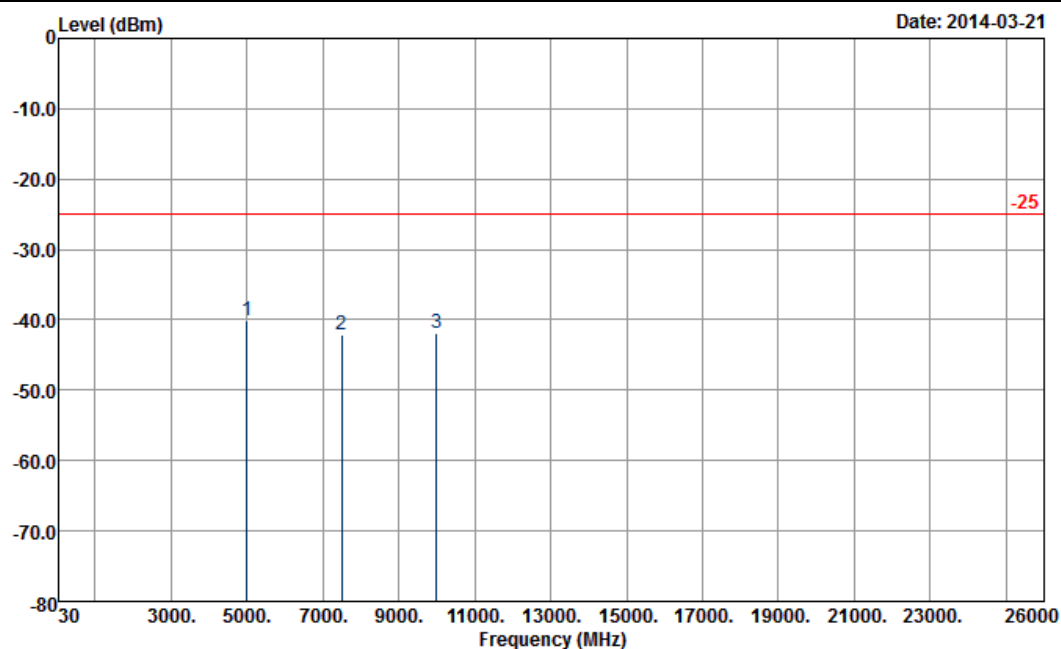
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5130	-52.07	-25	-27.07	-69.96	-55.6	6.9	10.43	V	Pass
7695	-42.57	-25	-17.57	-68.65	-45.5	9.39	12.32	V	Pass
10260	-41.26	-25	-16.26	-69.25	-45.4	8.71	12.85	V	Pass



<Low Channel>

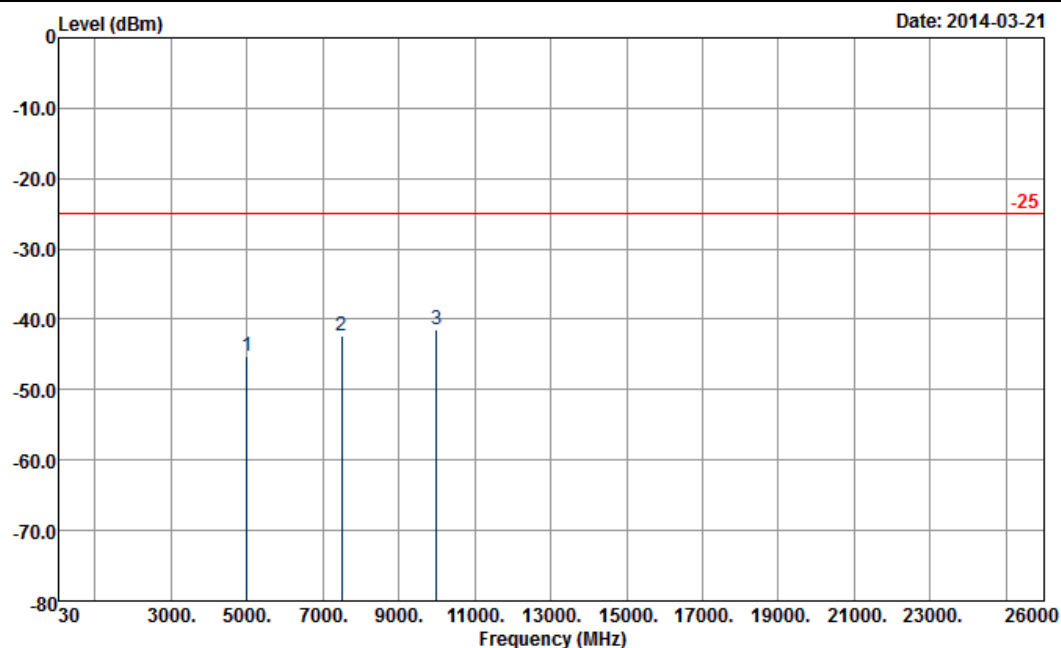
Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
5000	-40.16	-25	-15.16	-58.18	-43.7	6.81	10.35	H	Pass
7500	-42.12	-25	-17.12	-70.2	-45.1	9.26	12.24	H	Pass
10000	-41.81	-25	-16.81	-69.73	-46.1	8.54	12.83	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



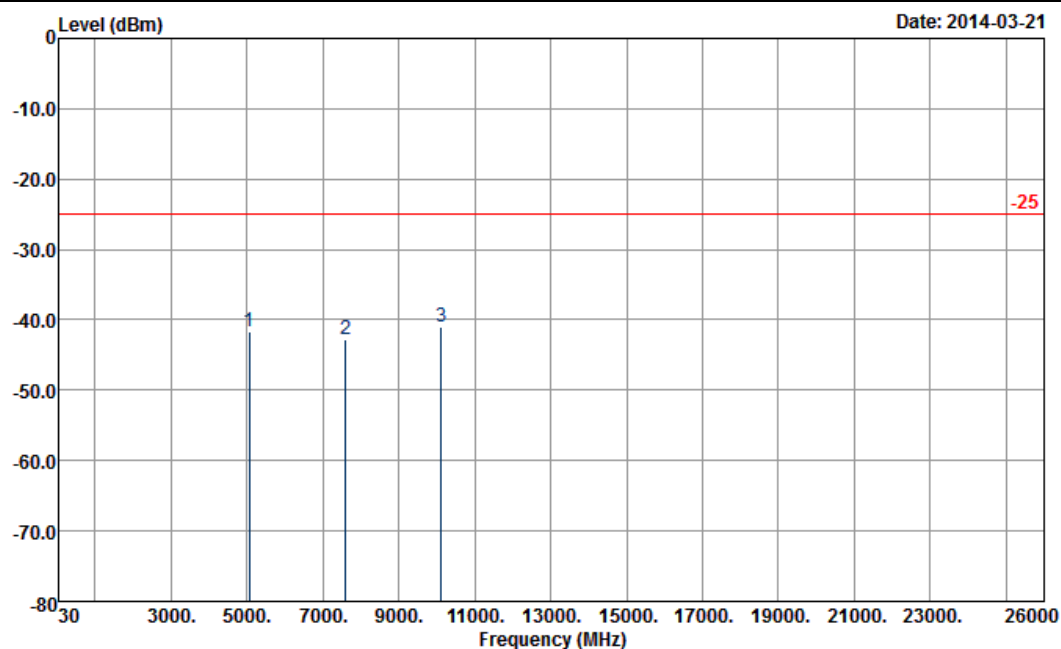
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5000	-45.16	-25	-20.16	-62.97	-48.7	6.81	10.35	V	Pass
7500	-42.42	-25	-17.42	-69.77	-45.4	9.26	12.24	V	Pass
10000	-41.51	-25	-16.51	-69.81	-45.8	8.54	12.83	V	Pass



<Middle Channel>

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

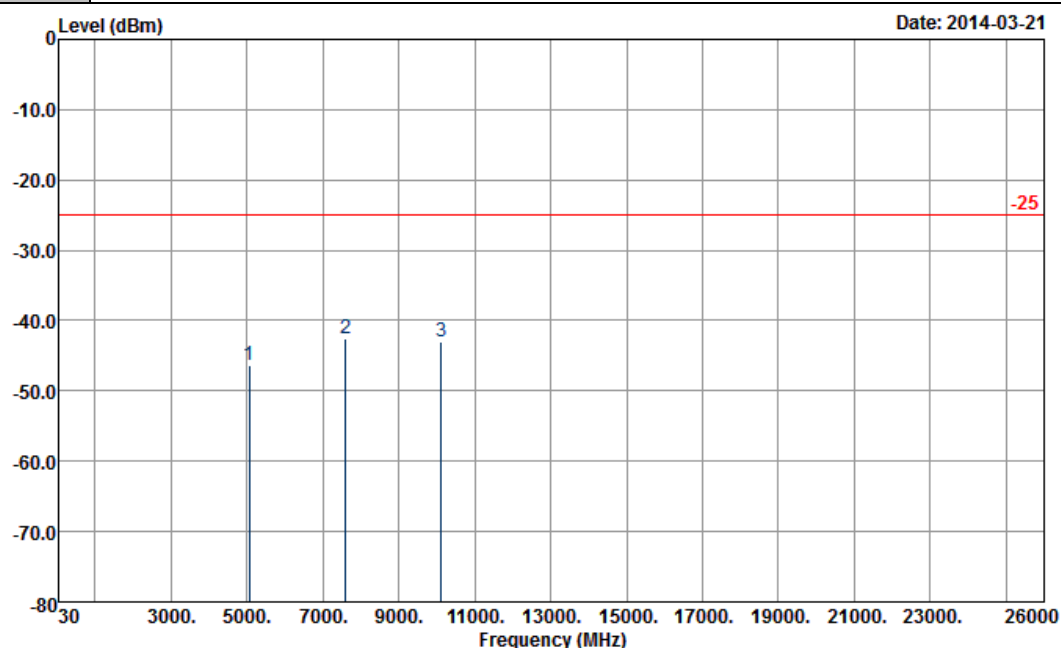


Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) HORIZONTAL

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
5060	-41.71	-25	-16.71	-60.01	-45.2	6.86	10.35	H	Pass
7590	-42.71	-25	-17.71	-69.48	-45.6	9.34	12.23	H	Pass
10120	-41.00	-25	-16.00	-69.1	-45.1	8.64	12.74	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



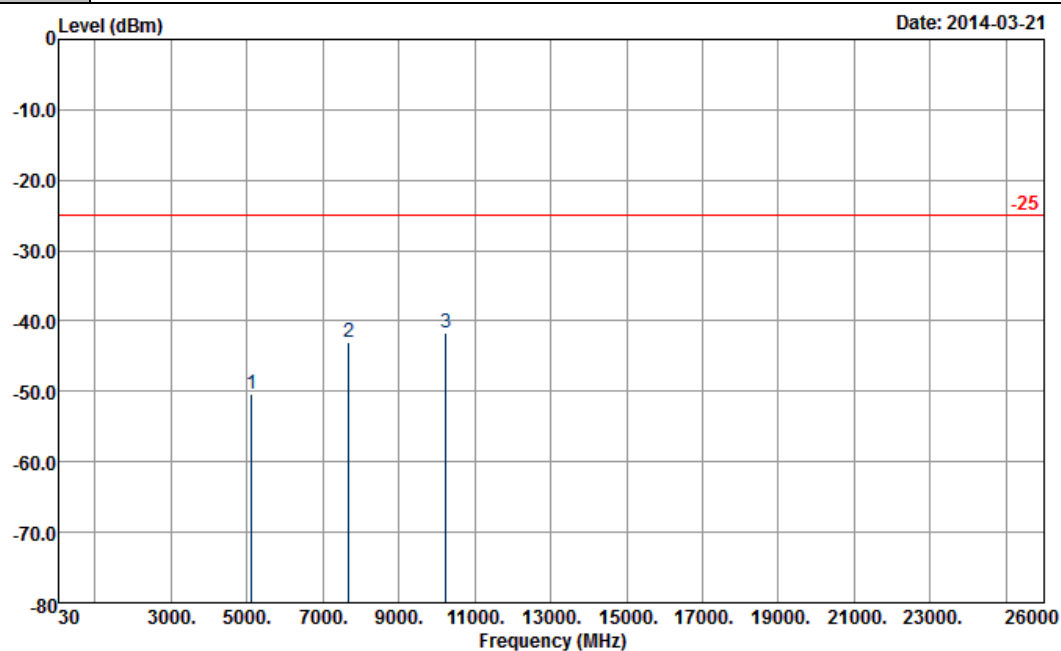
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5060	-46.31	-25	-21.31	-64.47	-49.8	6.86	10.35	V	Pass
7590	-42.61	-25	-17.61	-69.67	-45.5	9.34	12.23	V	Pass
10120	-43.10	-25	-18.10	-70.15	-47.2	8.64	12.74	V	Pass



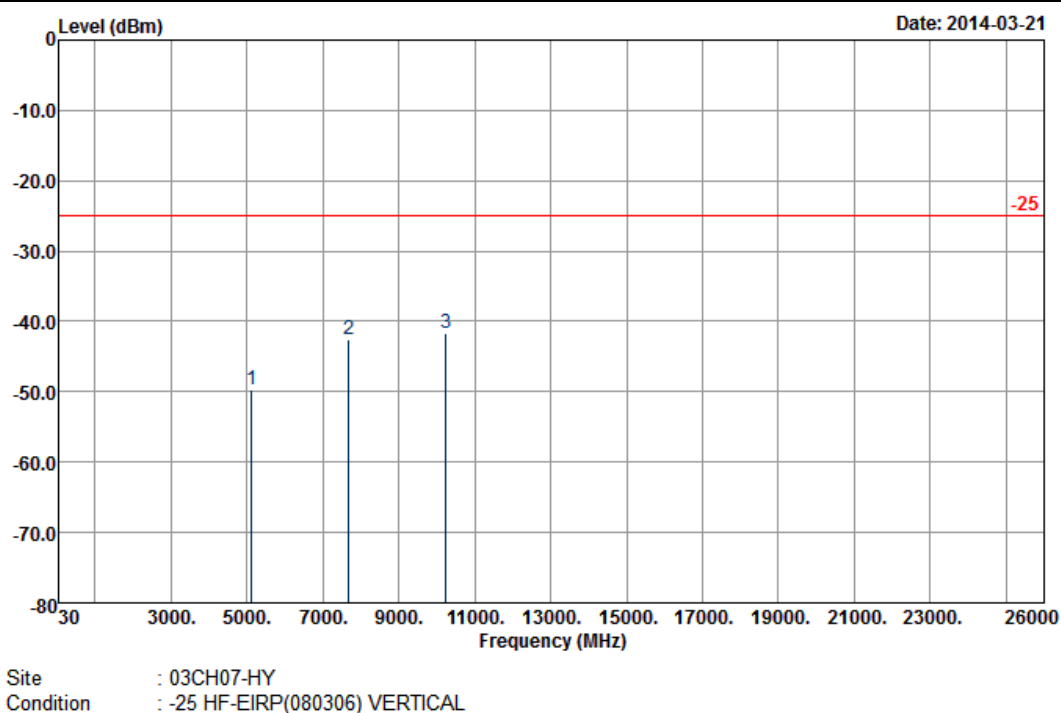
<High Channel>

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
5120	-50.26	-25	-25.26	-69.07	-53.8	6.88	10.42	H	Pass
7680	-42.96	-25	-17.96	-69.07	-45.9	9.37	12.31	H	Pass
10240	-41.61	-25	-16.61	-70.14	-45.8	8.64	12.83	H	Pass

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

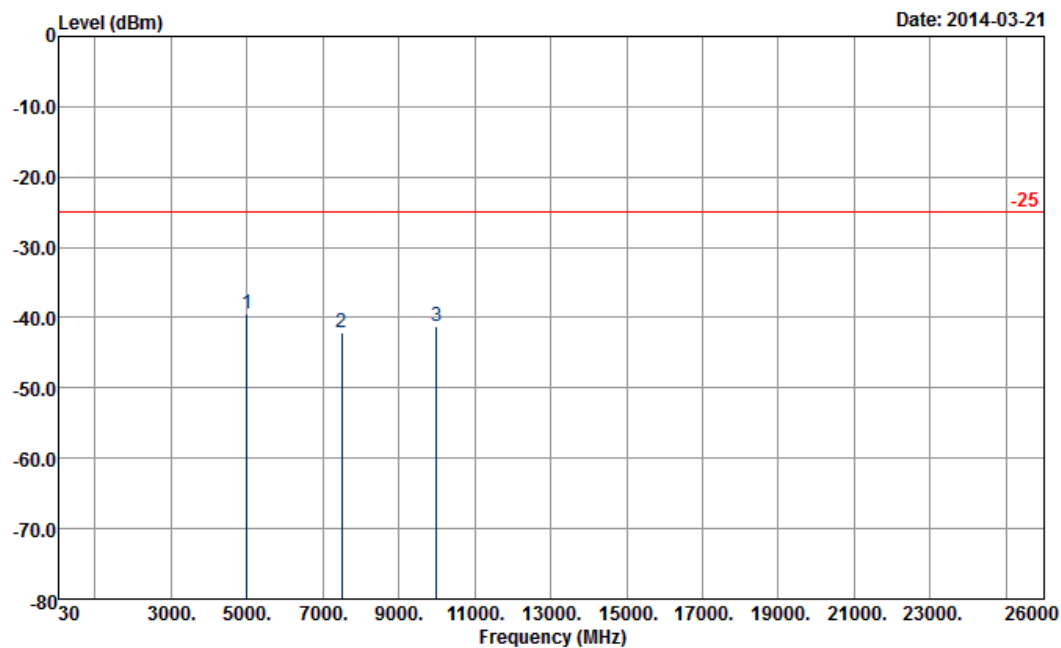


Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5120	-49.66	-25	-24.66	-68.62	-53.2	6.88	10.42	V	Pass
7680	-42.56	-25	-17.56	-69.01	-45.5	9.37	12.31	V	Pass
10240	-41.71	-25	-16.71	-69.63	-45.9	8.64	12.83	V	Pass



<Low Channel>

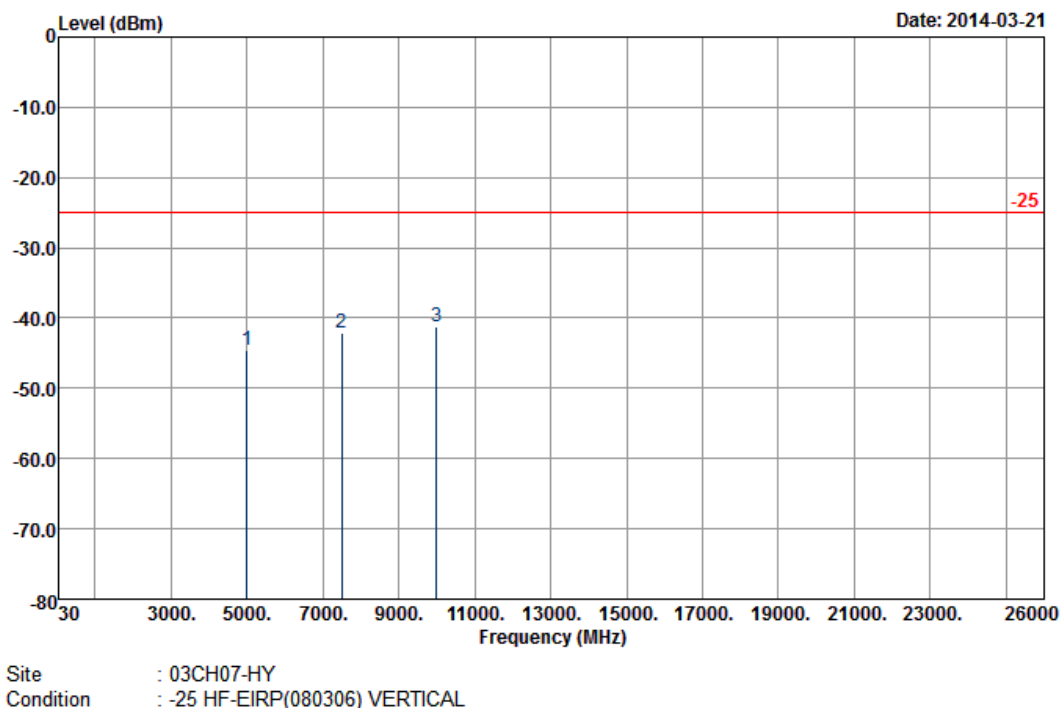
Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) HORIZONTAL

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
5000	-39.55	-25	-14.55	-57.66	-43.1	6.82	10.37	H	Pass
7500	-42.11	-25	-17.11	-69.86	-45.1	9.27	12.26	H	Pass
10000	-41.17	-25	-16.17	-69.71	-45.5	8.55	12.88	H	Pass

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

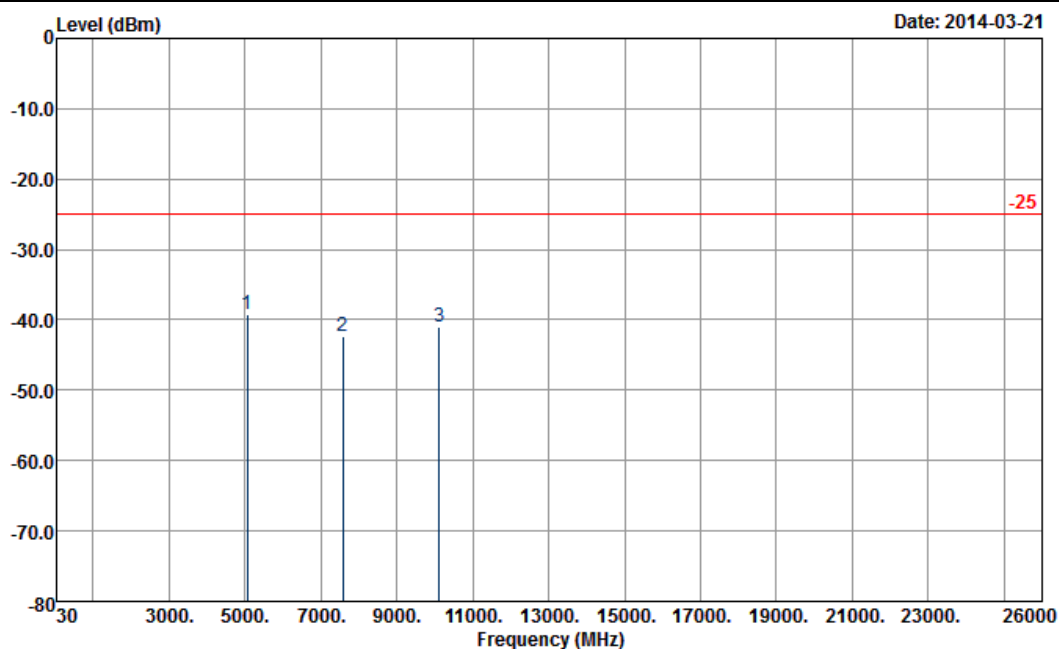


Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-44.55	-25	-19.55	-62.52	-48.1	6.82	10.37	V	Pass
7500	-42.21	-25	-17.21	-69.82	-45.2	9.27	12.26	V	Pass
1000	-41.27	-25	-16.27	-69.26	-45.6	8.55	12.88	V	Pass



<Middle Channel>

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

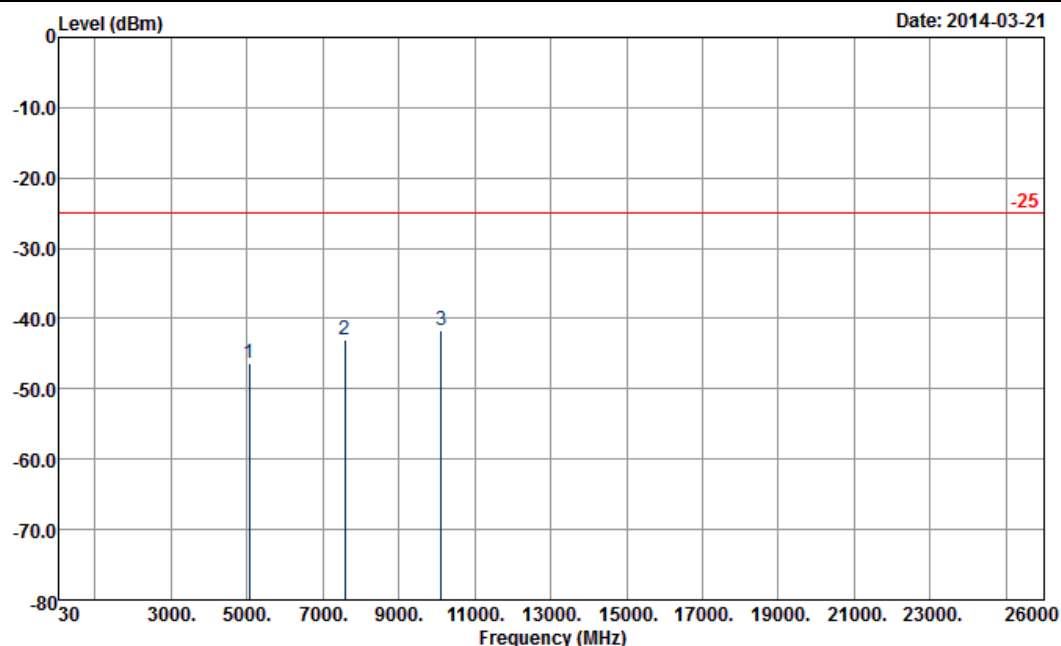


Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) HORIZONTAL

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
5055	-39.21	-25	-14.21	-57.62	-42.7	6.86	10.35	H	Pass
7582	-42.31	-25	-17.31	-69.41	-45.2	9.34	12.23	H	Pass
10110	-41.00	-25	-16.00	-69.71	-45.1	8.64	12.74	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



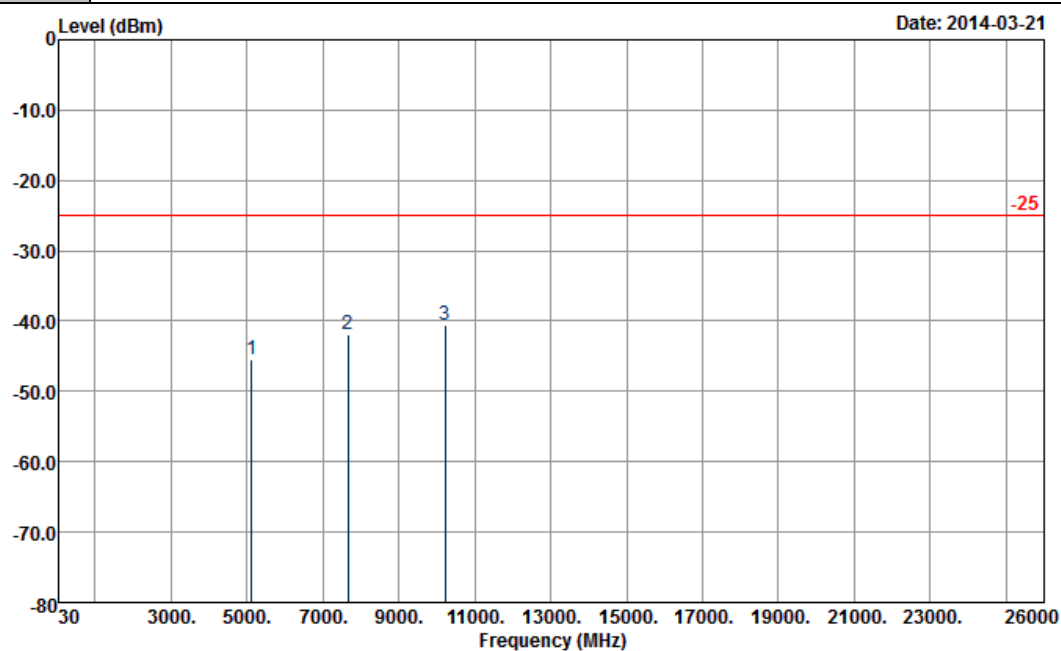
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5055	-46.41	-25	-21.41	-64.77	-49.9	6.86	10.35	V	Pass
7582	-42.91	-25	-17.91	-69.26	-45.8	9.34	12.23	V	Pass
10110	-41.70	-25	-16.70	-69.83	-45.8	8.64	12.74	V	Pass



<High Channel>

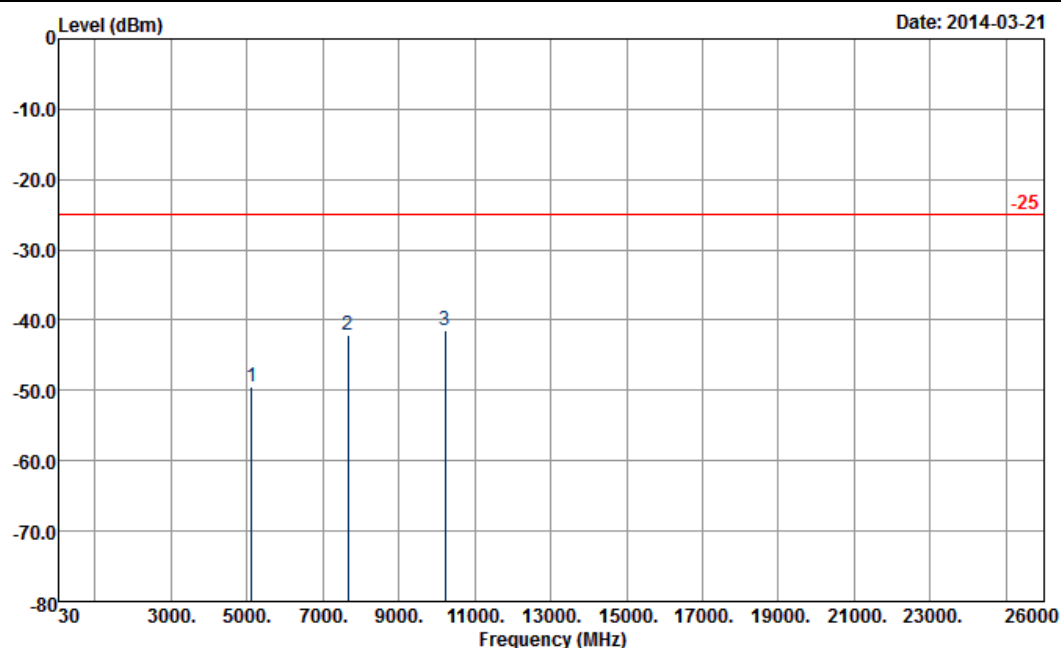
Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
5110	-45.36	-25	-20.36	-63.71	-48.9	6.87	10.41	H	Pass
7665	-41.85	-25	-16.85	-68.66	-44.8	9.35	12.30	H	Pass
1022	-40.51	-25	-15.51	-69.42	-44.7	8.63	12.82	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



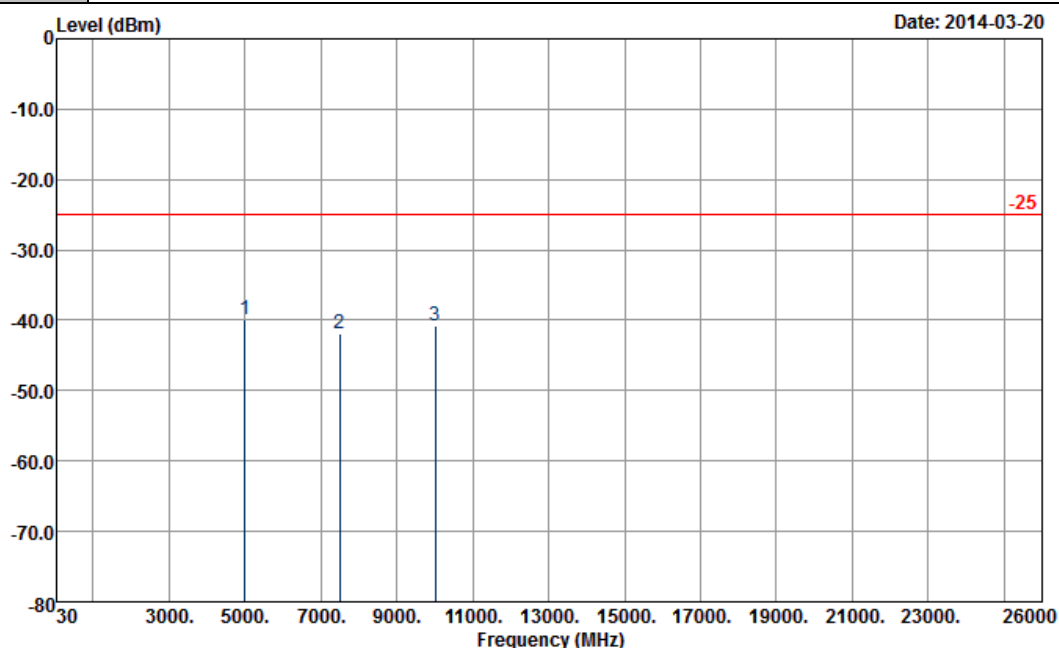
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5110	-49.36	-25	-24.36	-68.19	-52.9	6.87	10.41	V	Pass
7665	-42.15	-25	-17.15	-68.4	-45.1	9.35	12.30	V	Pass
10220	-41.51	-25	-16.51	-69.86	-45.7	8.63	12.82	V	Pass



<Low Channel>

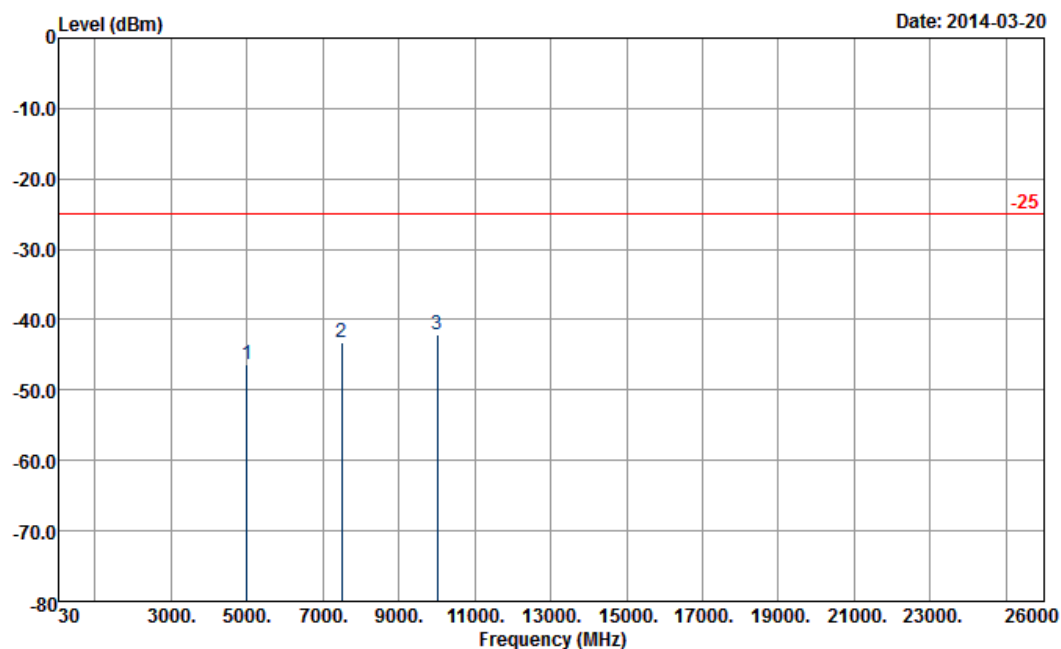
Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) HORIZONTAL

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
5004	-39.83	-25	-14.83	-57.74	-43.38	6.83	10.38	H	Pass
7500	-41.83	-25	-16.83	-69.38	-44.8	9.28	12.25	H	Pass
10002	-40.83	-25	-15.83	-69.55	-45.18	8.54	12.89	H	Pass

Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

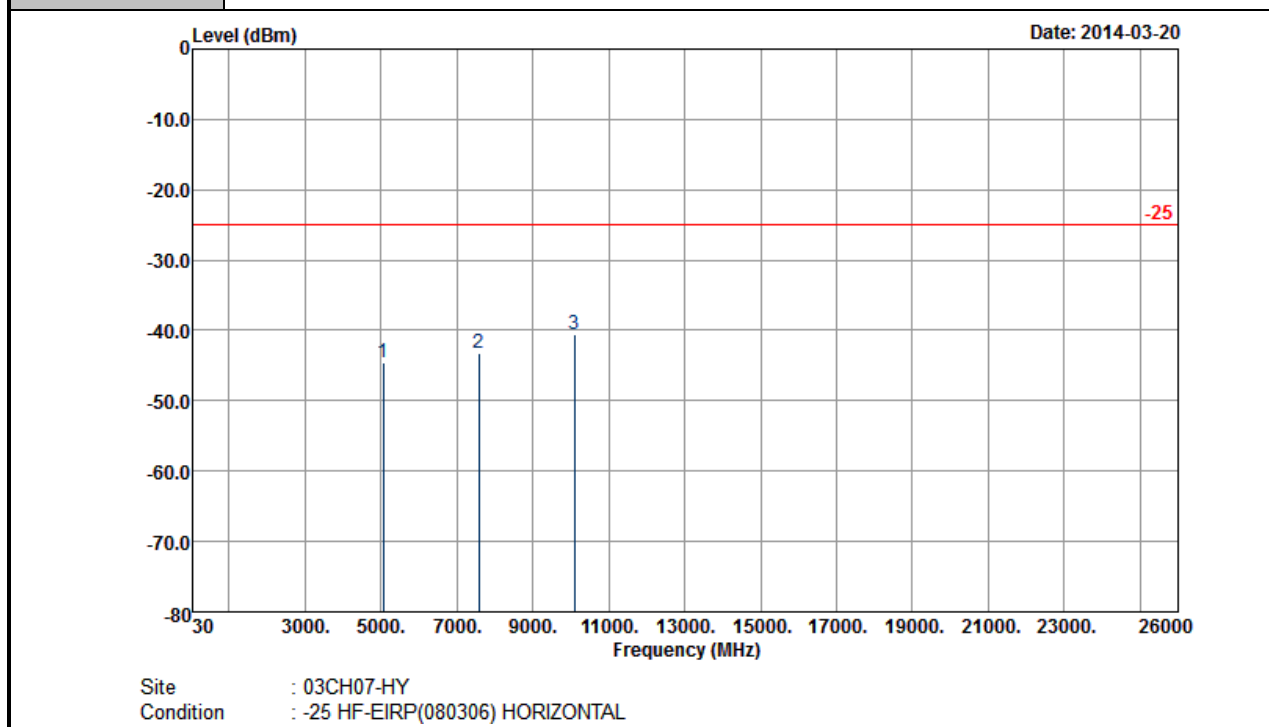


Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5004	-46.32	-25	-21.32	-64.4	-49.87	6.83	10.38	V	Pass
7500	-43.20	-25	-18.20	-70.52	-46.17	9.28	12.25	V	Pass
10002	-42.08	-25	-17.08	-69.88	-46.43	8.54	12.89	V	Pass



<Middle Channel>

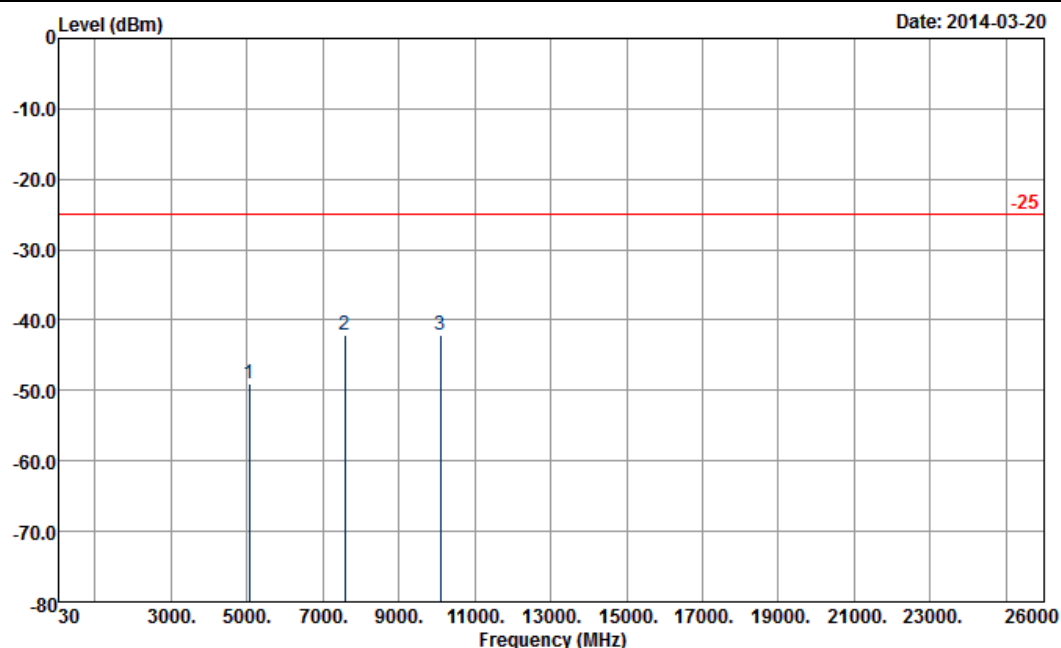
Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
5052	-44.64	-25	-19.64	-62.76	-48.13	6.86	10.35	H	Pass
7578	-43.15	-25	-18.15	-70.04	-46.04	9.34	12.23	H	Pass
10104	-40.54	-25	-15.54	-69.4	-44.64	8.64	12.74	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



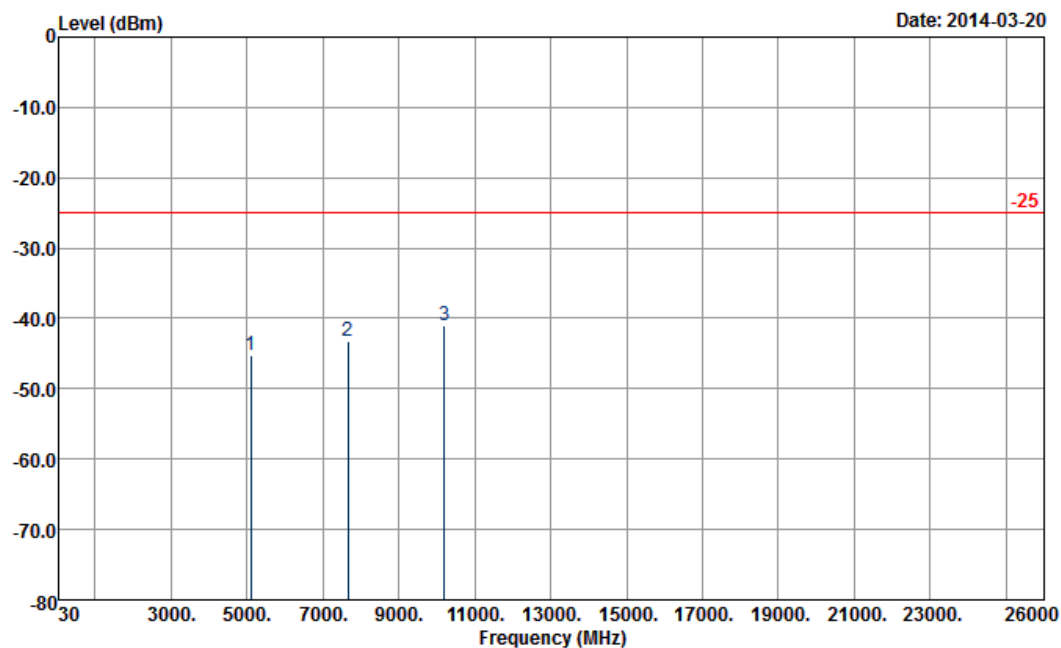
Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5052	-49.13	-25	-24.13	-67.36	-52.62	6.86	10.35	V	Pass
7578	-42.01	-25	-17.01	-68.7	-44.9	9.34	12.23	V	Pass
10104	-42.03	-25	-17.03	-69.94	-46.13	8.64	12.74	V	Pass



<High Channel>

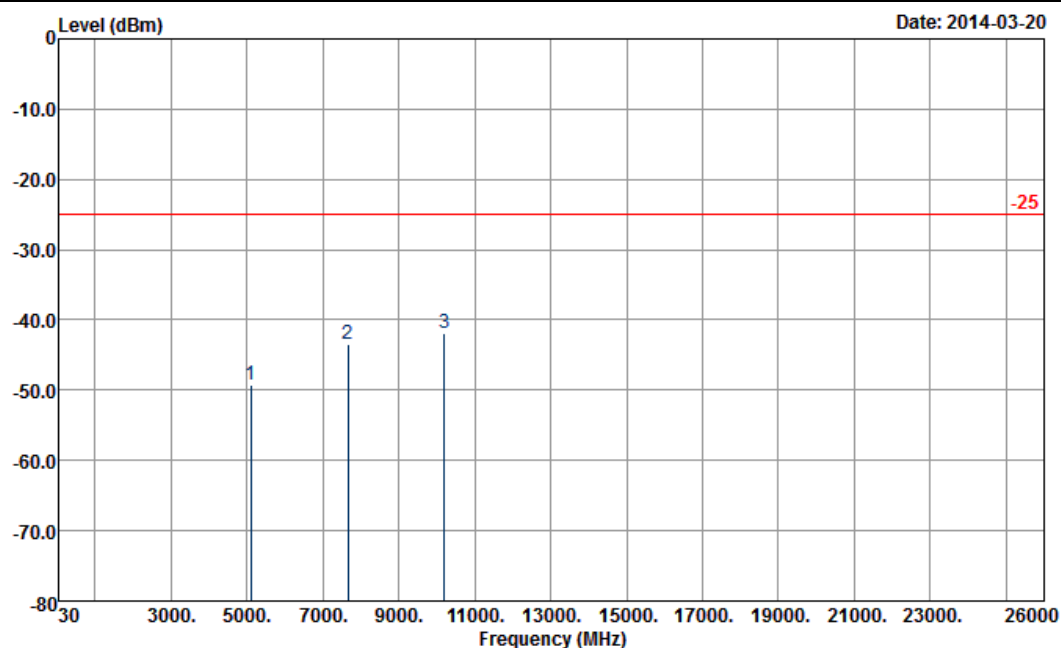
Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



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
5100	-45.32	-25	-20.32	-63.5	-49.86	5.84	10.38	H	Pass
7656	-43.21	-25	-18.21	-69.49	-46.15	9.33	12.27	H	Pass
10200	-41.08	-25	-16.08	-70.03	-45.28	8.6	12.80	H	Pass



Band :	LTE Band 7	Temperature :	21~24°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	47~50%
Test Engineer :	Eric Shih	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		



Site : 03CH07-HY
Condition : -25 HF-EIRP(080306) VERTICAL

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
5100	-49.20	-25	-24.20	-67.58	-53.74	5.84	10.38	V	Pass
7650	-43.41	-25	-18.41	-69.65	-46.35	9.33	12.27	V	Pass
10200	-41.82	-25	-16.82	-69.88	-46.02	8.6	12.80	V	Pass

3.8 Frequency Stability Measurement

3.8.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.8.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.8.3 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.

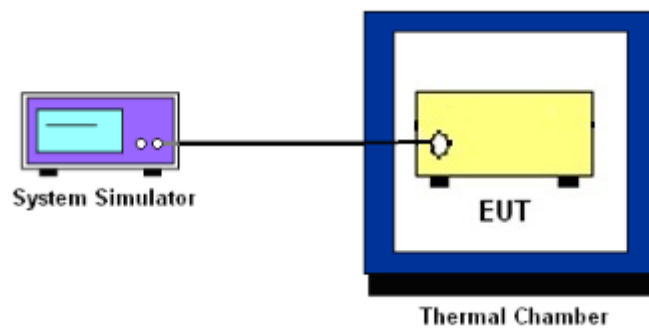
3.8.4 Test Procedures for Voltage Variation

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.

3.8.5 Test Procedures for Frequency Stability (IC)

1. The EUT was connected to Spectrum Analyzer and System Simulator via power divider.
2. The EUT was operated at the lowest and highest channel
3. Using RBW= 1% OBW and displaying line = -13dBm.
4. The frequency at these points shall be recorded as f_L and f_H respectively.
5. Calculate frequency stability within the 706.5 MHz ~ 713.5 MHz and 736.5 MHz ~ 743.5 MHz band.

3.8.6 Test Setup



3.8.7 Test Result of Temperature Variation

Band :	LTE Band 4 (QPSK)	Limit (ppm) :	2.5
Temperature (°C)	BW 10MHz	Result	
	Deviation (ppm)		
50	0.0000	PASS	
40	0.0000		
30	0.0002		
20	0.0002		
10	0.0002		
0	0.0002		
-10	0.0001		
-20	0.0000		
-30	0.0004		

Band :	LTE Band 17 (QPSK)	Limit (ppm) :	2.5
Temperature (°C)	BW 10MHz	Result	
	Deviation (ppm)		
50	0.0003	PASS	
40	0.0004		
30	0.0003		
20	0.0001		
10	0.0001		
0	0.0004		
-10	0.0005		
-20	0.0004		
-30	0.0002		



Band :	LTE Band 7 (QPSK)	Limit (ppm) :	2.5
Temperature (°C)	BW 10MHz	Result	
	Deviation (ppm)		
50	0.0001	PASS	
40	0.0001		
30	0.0001		
20	0.0000		
10	0.0000		
0	0.0001		
-10	0.0001		
-20	0.0002		
-30	0.0001		

3.8.8 Test Result of Voltage Variation

Band	Bandwidth	Voltage (Volt)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 4	10M	4.35	0.0002	2.5	PASS
		Normal	0.0001		
		3.42	0.0001		
LTE Band 17	10M	4.35	0.0007	2.5	PASS
		Normal	0.0002		
		3.42	0.0002		
LTE Band 7	10M	4.35	0.0000	2.5	PASS
		Normal	0.0001		
		3.42	0.0000		

Remark:

1. Normal Voltage = 3.80V.
2. The manufacturer declared that the EUT could work properly between voltage 3.42V ~ 4.35V.

3.8.9 Test Result of Temperature and Voltage Variation

Band :		LTE Band 17	
Condition		Frequency Offset (Δf) (Hz)	Note
Temperature	50 °C	-0.2	MAX(Δf) = 0.48Hz
	40 °C	-0.25	
	30 °C	0.19	
	20 °C	0.07	
	10 °C	-0.1	
	0 °C	0.31	
	-10 °C	-0.38	
	-20 °C	-0.3	
	-30 °C	0.16	
Voltage	4.35	0.48	
	Normal	0.16	
	3.42	-0.12	

Remark:

1. Normal Voltage = 3.80V.
2. The manufacturer declared that the EUT could work properly between voltage 3.42V ~ 4.35V.

3.8.10 Test Result of Frequency Stability

Band :	LTE Band 17		
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	704.144000	$\geq 704 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	715.855770	$\leq 716 \text{ MHz}$	



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LTE Base Station	Anritsu	MT8820C	6201026480	30MHz~2.7GHz SISO	Jan. 07, 2014	Mar. 25, 2014	Jan. 06, 2015	Conducted (TH02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Jun. 07, 2013	Mar. 25, 2014	Jun. 06, 2014	Conducted (TH02-HY)
Thermal Chamber	Ten Billion	TTH-D3SP	TBN-930701	N/A	Jul. 19, 2013	Mar. 25, 2014	Jul. 18, 2014	Conducted (TH02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9KHz ~ 30GHz	Nov. 20, 2013	Mar. 20, 2014~ Mar. 22, 2014	Nov. 19, 2014	Radiation (03CH07-HY)
Bilog Antenna	Schaffner	CBL6111C	2726	30MHz ~ 1GHz	Oct. 10, 2013	Mar. 20, 2014~ Mar. 22, 2014	Oct. 09, 2014	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	75962	1GHz~18GHz	Aug. 22, 2013	Mar. 20, 2014~ Mar. 22, 2014	Aug. 21, 2014	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA91702 51	15GHz- 40GHz	Oct. 03, 2013	Mar. 20, 2014~ Mar. 22, 2014	Oct. 02, 2014	Radiation (03CH07-HY)
Preamplifier	SONOMA	310N	187231	9kHz~1GHz	May 15, 2013	Mar. 20, 2014~ Mar. 22, 2014	May 14, 2014	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1 GHz~26.5 GHz	Nov. 29, 2013	Mar. 20, 2014~ Mar. 22, 2014	Nov. 28, 2014	Radiation (03CH07-HY)
Turn Table	ChainTek	ChainTek 3000	N/A	0 ~ 360 degree	N/A	Mar. 20, 2014~ Mar. 22, 2014	N/A	Radiation (03CH07-HY)
Antenna Mast	ChainTek	M-400-0	114/8000604	N/A	N/A	Mar. 20, 2014~ Mar. 22, 2014	N/A	Radiation (03CH07-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.50
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