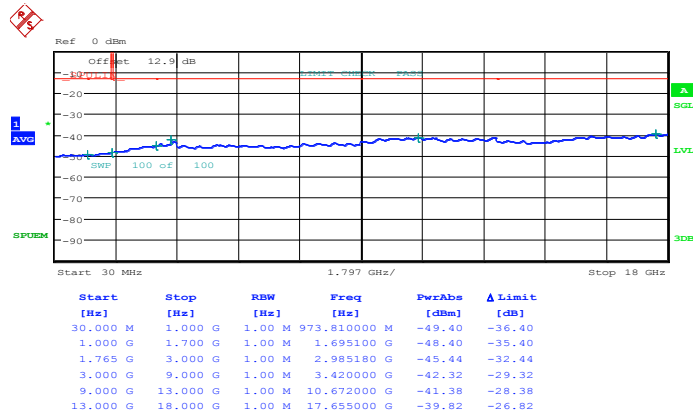




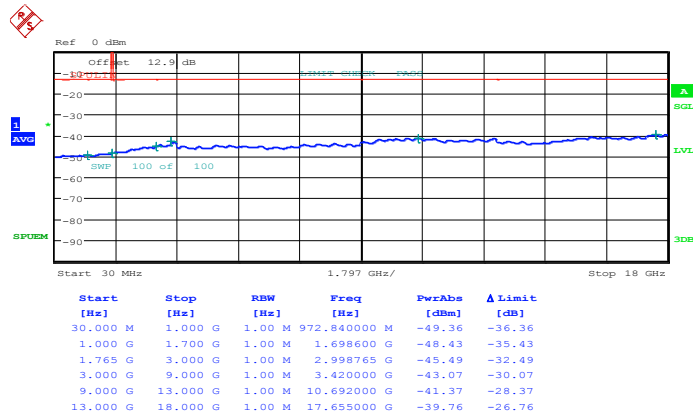
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH19975 (Low)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 28.MAY.2014 23:54:55

**16QAM (RB Size 1, RB Offset 0)**

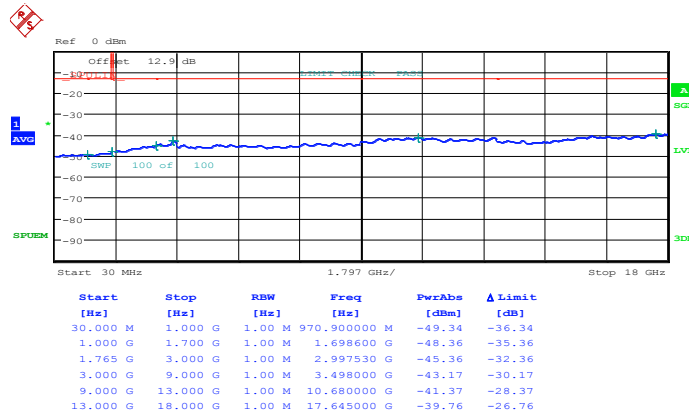


Date: 28.MAY.2014 23:55:56



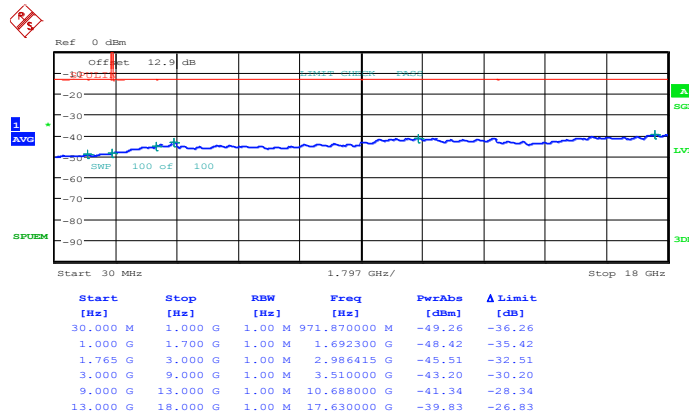
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20175 (Middle)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 28.MAY.2014 23:58:05

**16QAM (RB Size 1, RB Offset 0)**

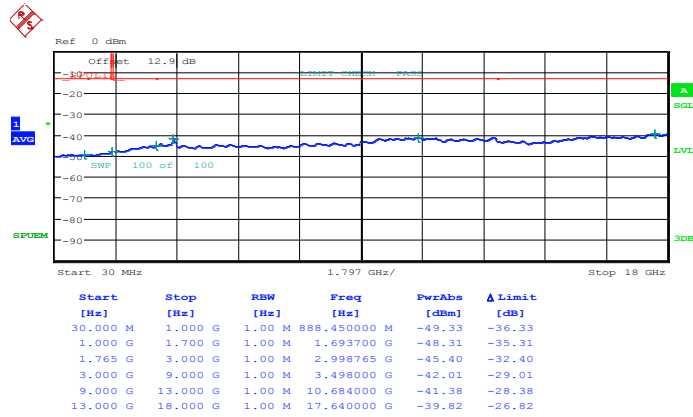


Date: 28.MAY.2014 23:59:06



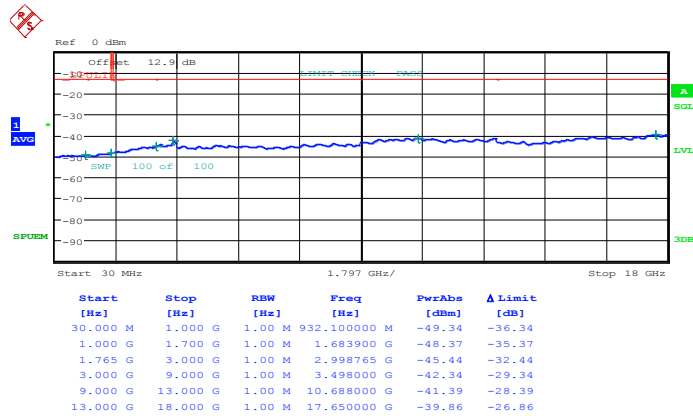
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20375 (High)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 00:04:23

**16QAM (RB Size 1, RB Offset 0)**

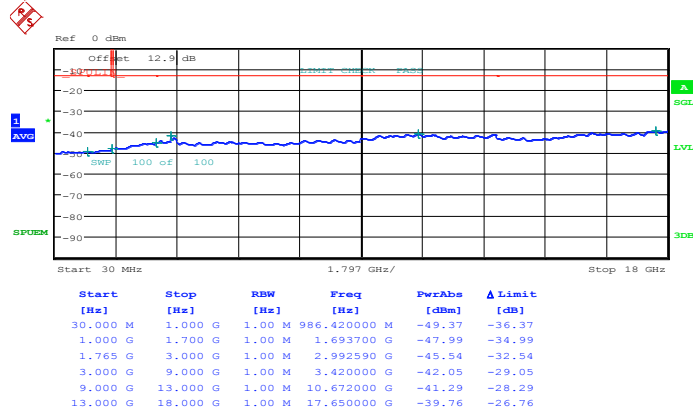


Date: 29.MAY.2014 00:05:23



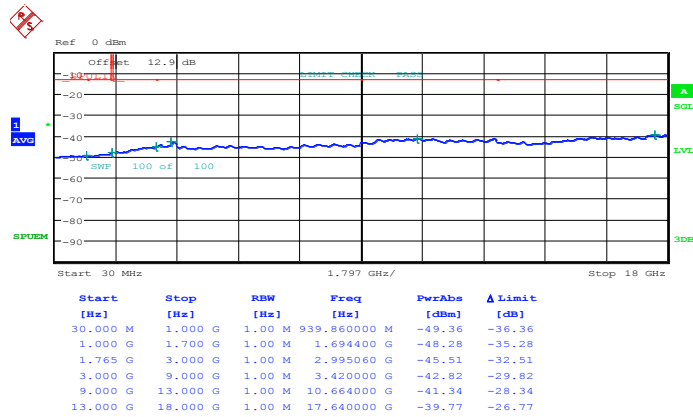
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20000 (Low)
<b>Band Width :</b>	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 29.MAY.2014 00:32:09

16QAM (RB Size 1, RB Offset 0)

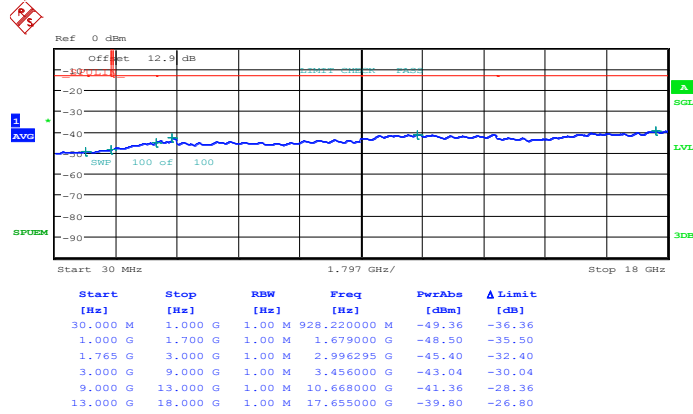


Date: 29.MAY.2014 00:33:09



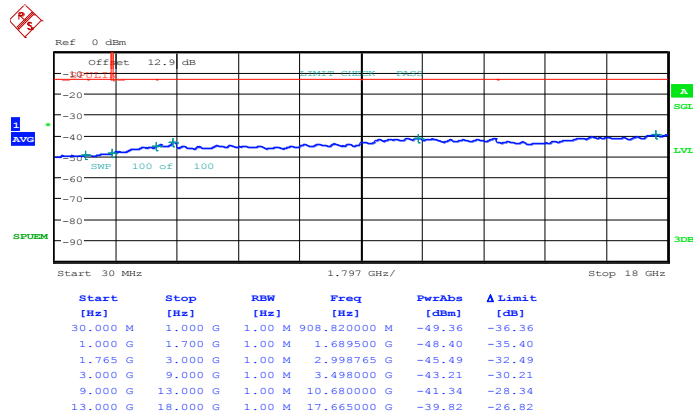
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20175 (Middle)
<b>Band Width :</b>	10MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 00:35:18

**16QAM (RB Size 1, RB Offset 0)**

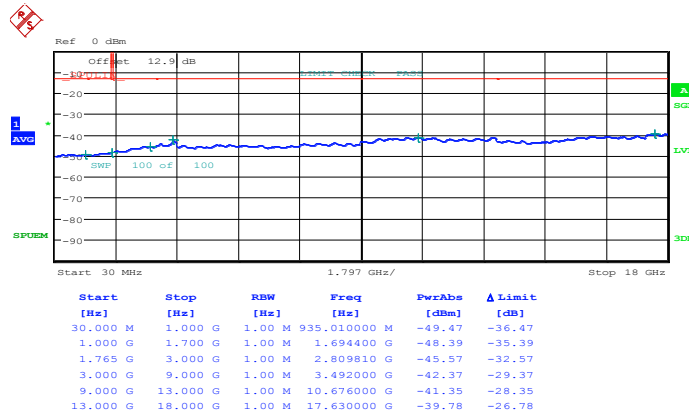


Date: 29.MAY.2014 00:36:19



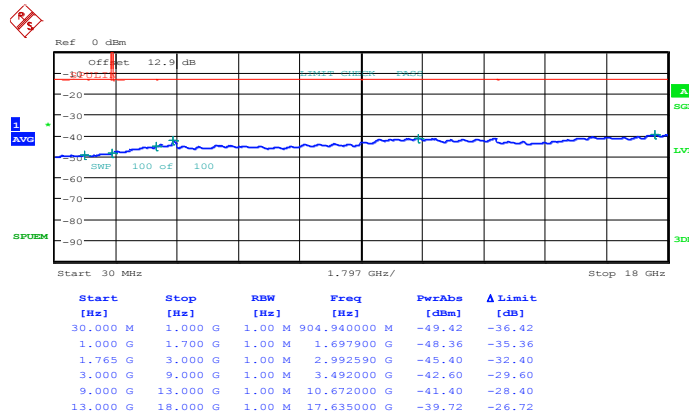
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20350 (High)
<b>Band Width :</b>	10MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 00:41:37

**16QAM (RB Size 1, RB Offset 0)**

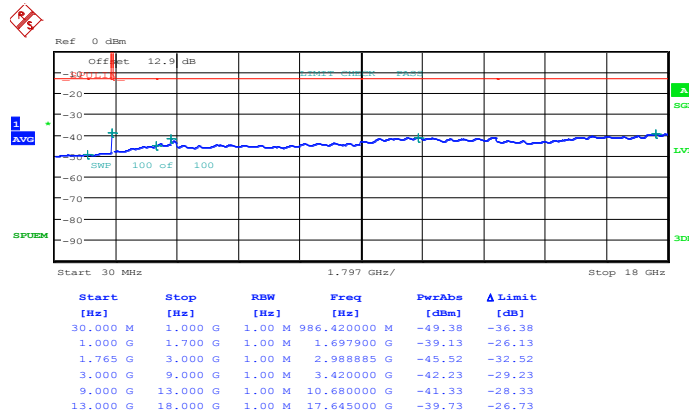


Date: 29.MAY.2014 00:42:38



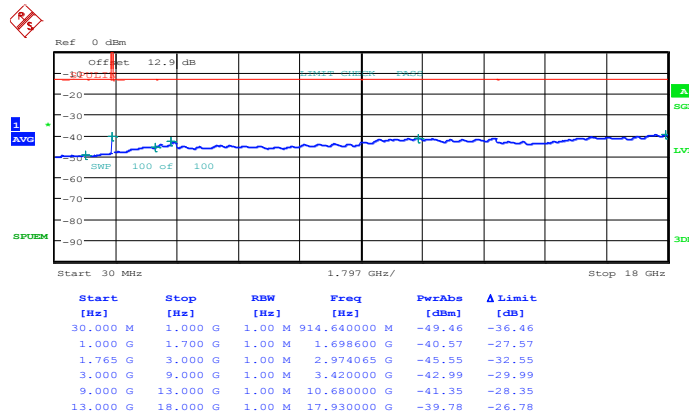
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20025 (Low)
<b>Band Width :</b>	15MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 00:48:01

**16QAM (RB Size 1, RB Offset 0)**

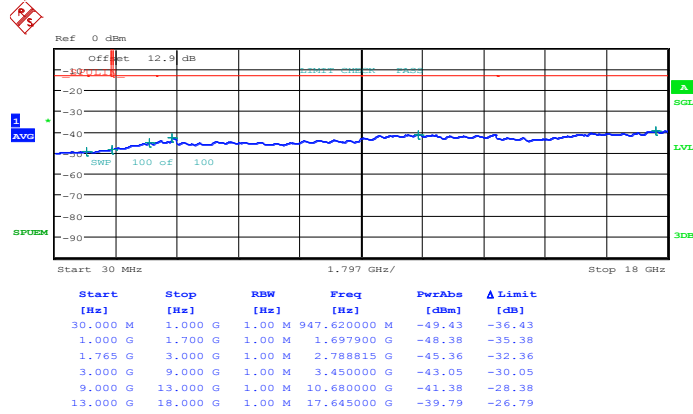


Date: 29.MAY.2014 00:49:01



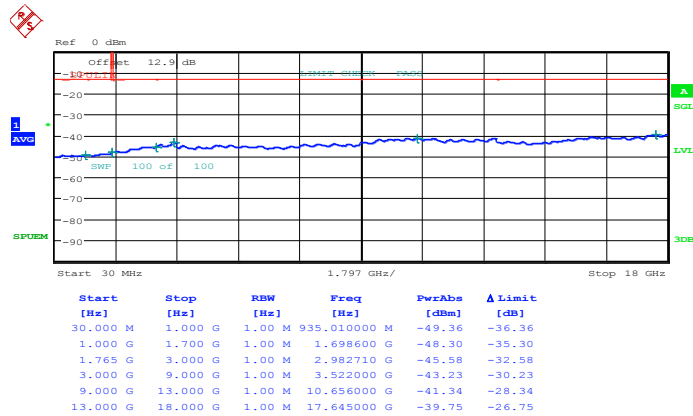
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20175 (Middle)
<b>Band Width :</b>	15MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 00:51:11

**16QAM (RB Size 1, RB Offset 0)**

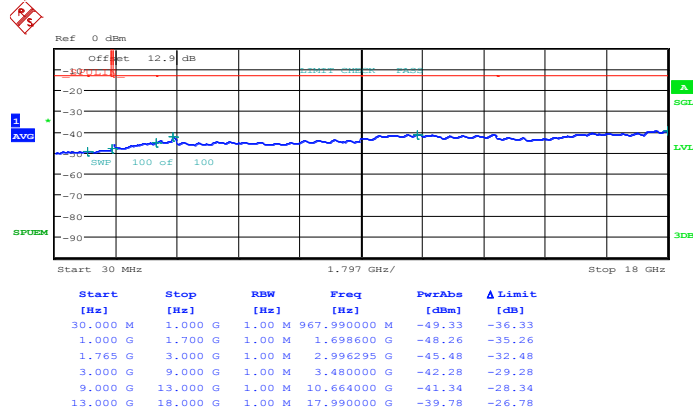


Date: 29.MAY.2014 00:52:11



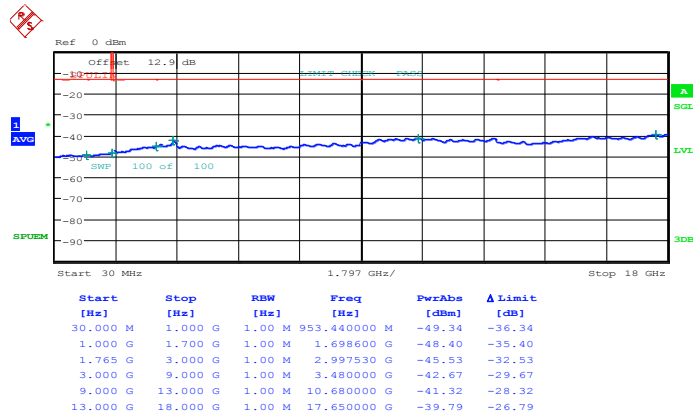
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20325 (High)
<b>Band Width :</b>	15MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 00:57:31

**16QAM (RB Size 1, RB Offset 0)**

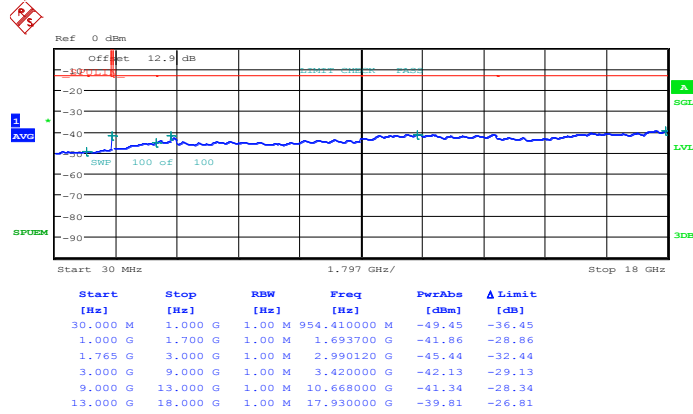


Date: 29.MAY.2014 00:58:32



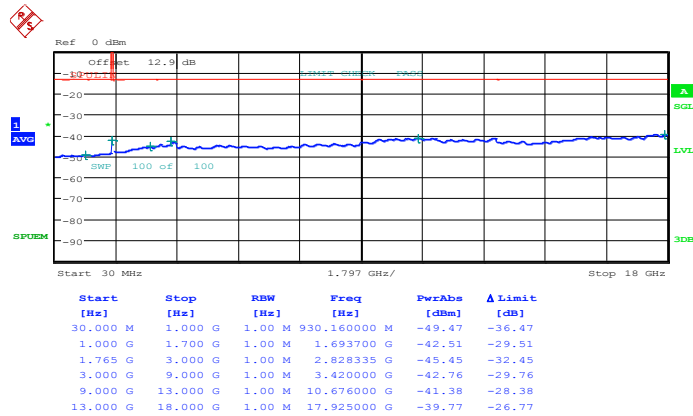
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20050 (Low)
<b>Band Width :</b>	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 29.MAY.2014 01:03:55

16QAM (RB Size 1, RB Offset 0)

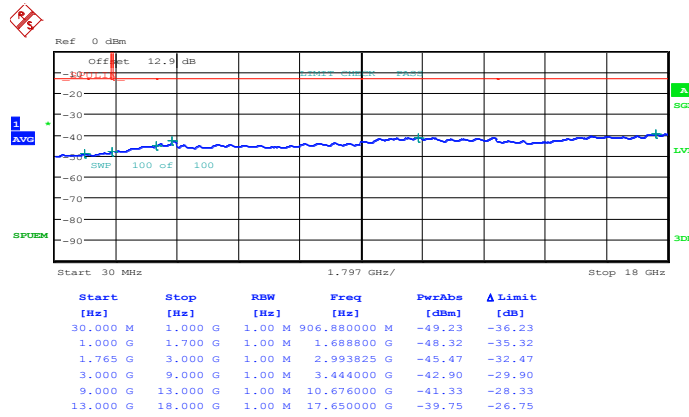


Date: 29.MAY.2014 01:04:55



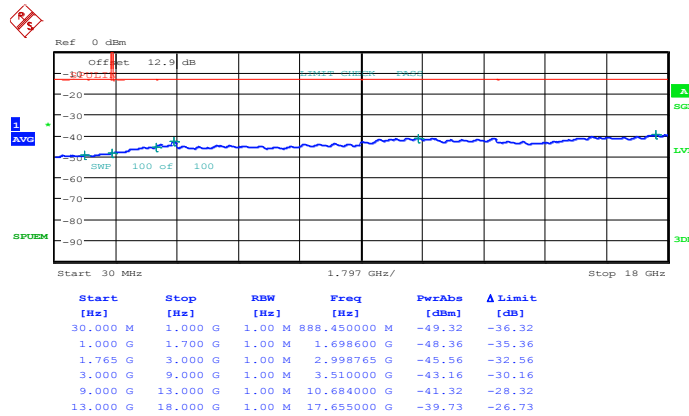
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20175 (Middle)
<b>Band Width :</b>	20MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 01:07:05

**16QAM (RB Size 1, RB Offset 0)**

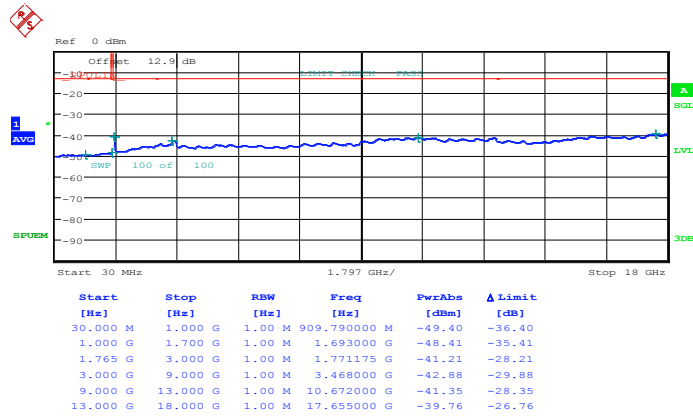


Date: 29.MAY.2014 01:08:05



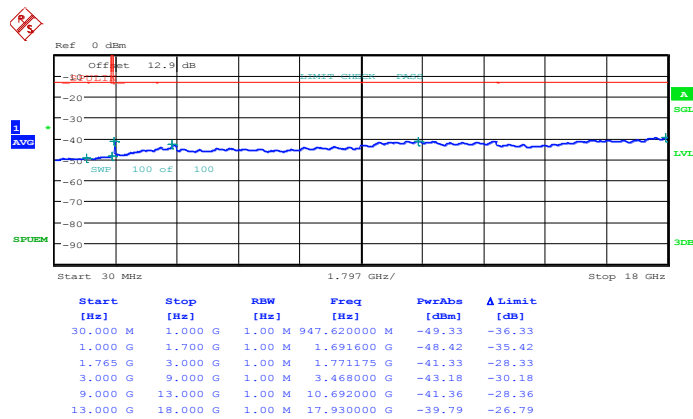
<b>Band :</b>	LTE Band 4	<b>Channel :</b>	CH20300 (High)
<b>Band Width :</b>	20MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 29.MAY.2014 01:13:25

**16QAM (RB Size 1, RB Offset 0)**

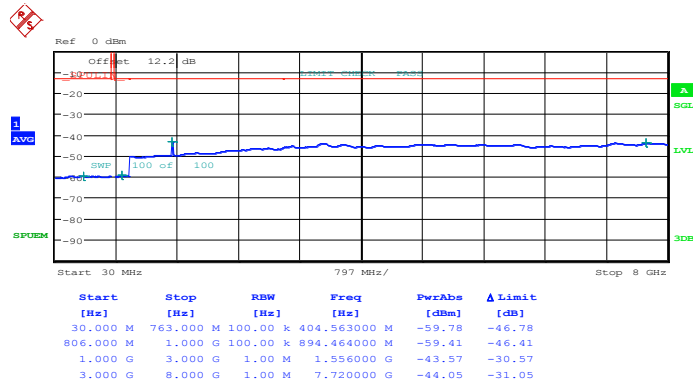


Date: 29.MAY.2014 01:14:25



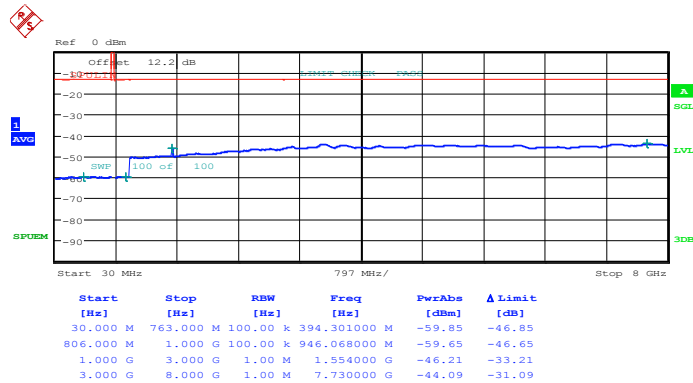
<b>Band :</b>	LTE Band 13	<b>Channel :</b>	CH23205 (Low)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 13:24:19

**16QAM (RB Size 1, RB Offset 0)**

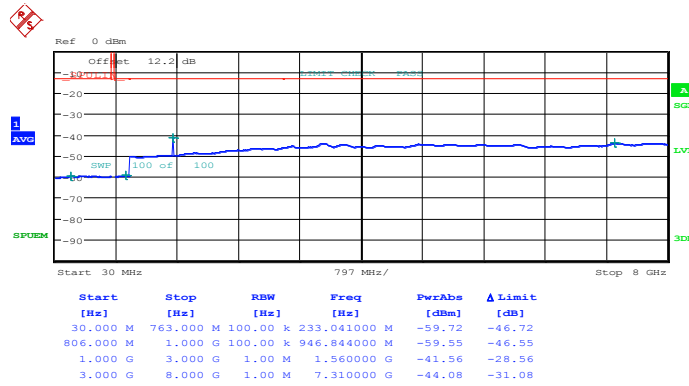


Date: 2.JUN.2014 13:22:40



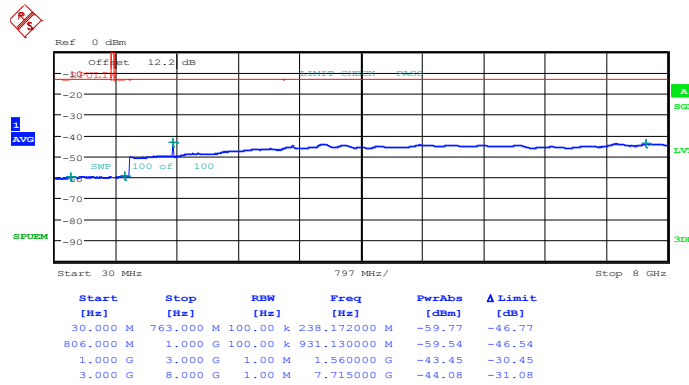
<b>Band :</b>	LTE Band 13	<b>Channel :</b>	CH23230 (Middle)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 13:19:02

**16QAM (RB Size 1, RB Offset 0)**

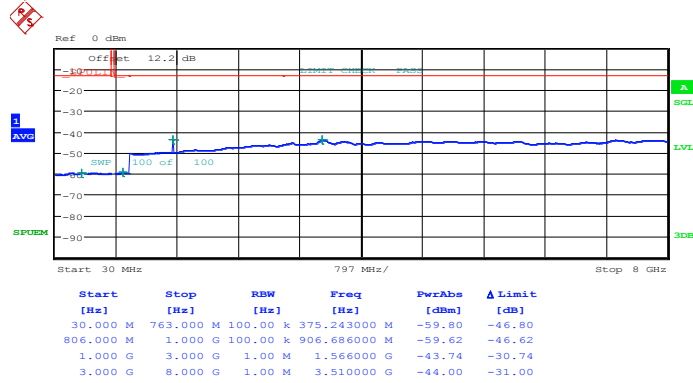


Date: 2.JUN.2014 13:21:08



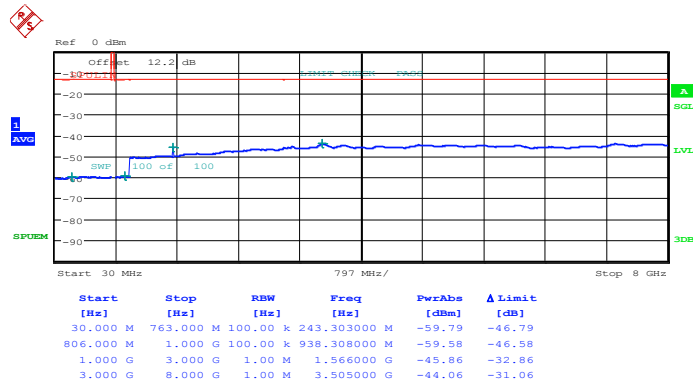
<b>Band :</b>	LTE Band 13	<b>Channel :</b>	CH23255 (High)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 13:17:28

**16QAM (RB Size 1, RB Offset 0)**

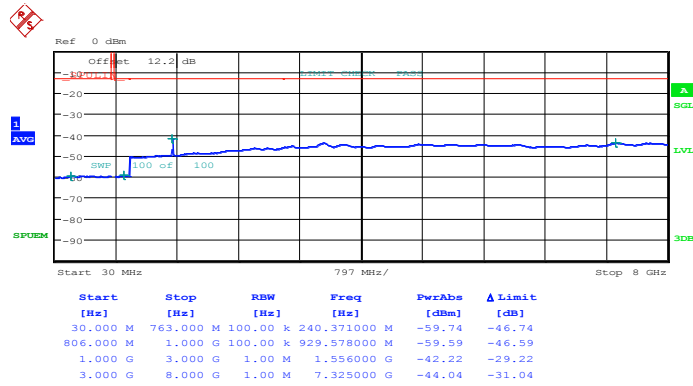


Date: 2.JUN.2014 13:16:34



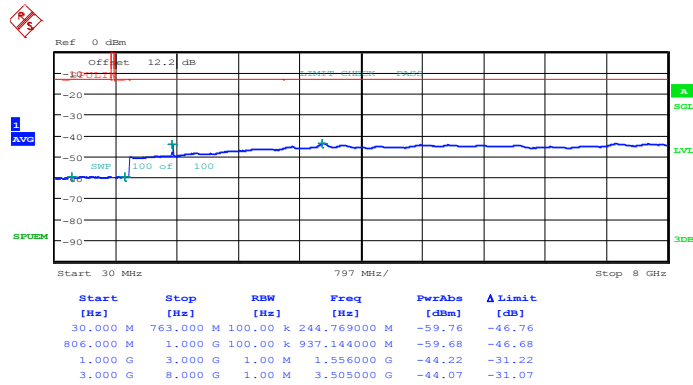
<b>Band :</b>	LTE Band 13	<b>Channel :</b>	CH23230 (Middle)
<b>Band Width :</b>	10MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 13:25:50

**16QAM (RB Size 1, RB Offset 0)**

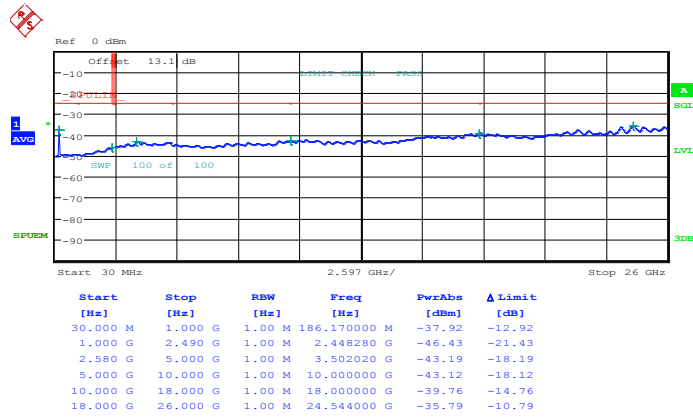


Date: 2.JUN.2014 13:26:48



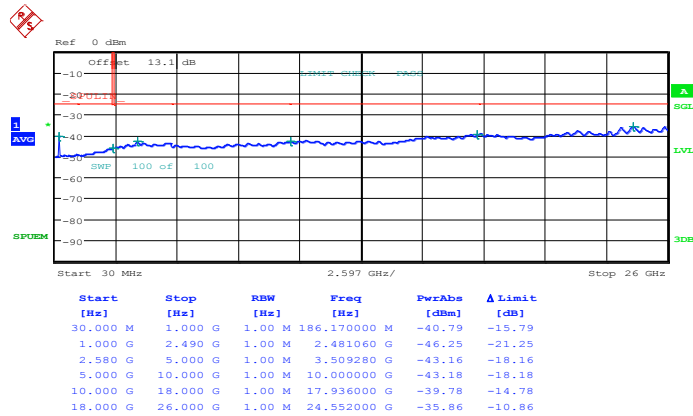
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH20775 (Low)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 10:39:51

**16QAM (RB Size 1, RB Offset 0)**

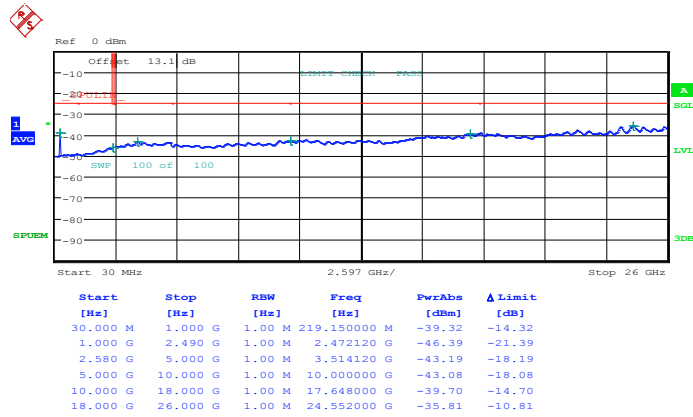


Date: 2.JUN.2014 10:40:55



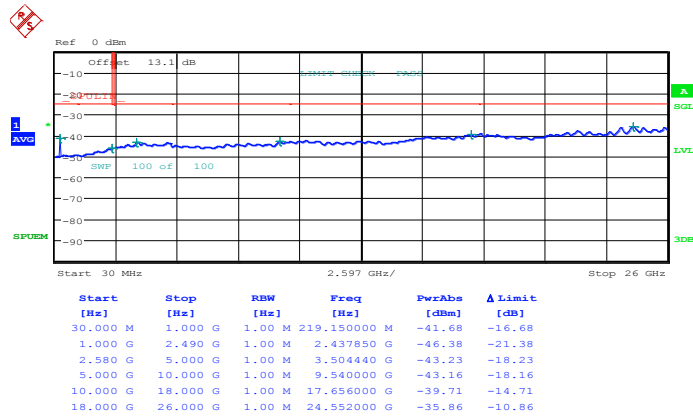
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21100 (Middle)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 10:43:08

**16QAM (RB Size 1, RB Offset 0)**

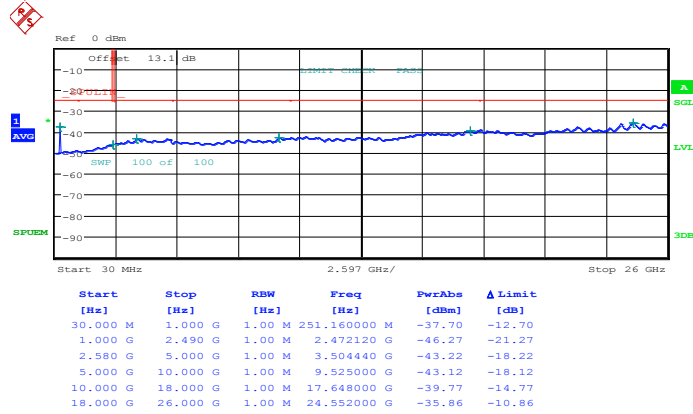


Date: 2.JUN.2014 10:44:12



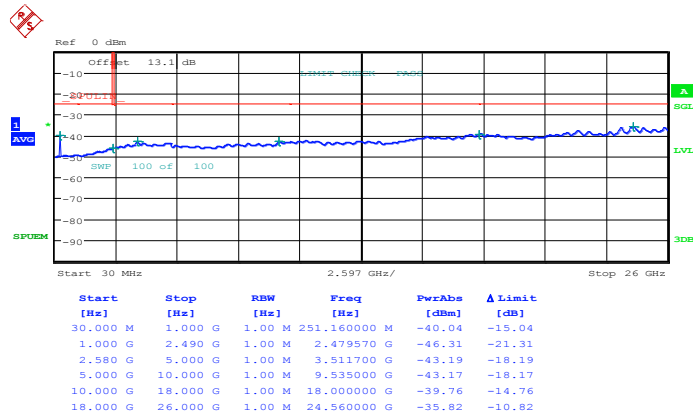
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21425 (High)
<b>Band Width :</b>	5MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 10:49:38

**16QAM (RB Size 1, RB Offset 0)**

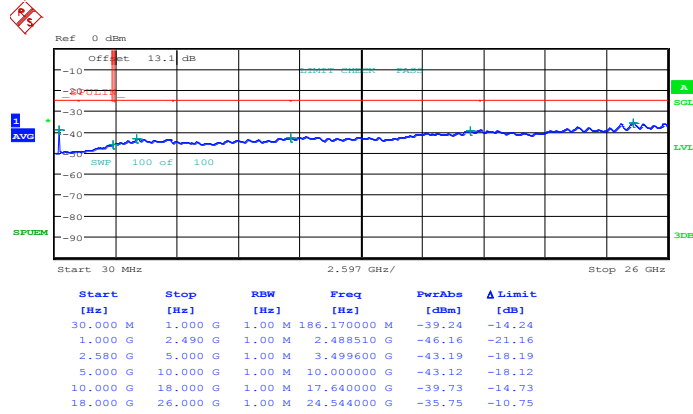


Date: 2.JUN.2014 10:50:41



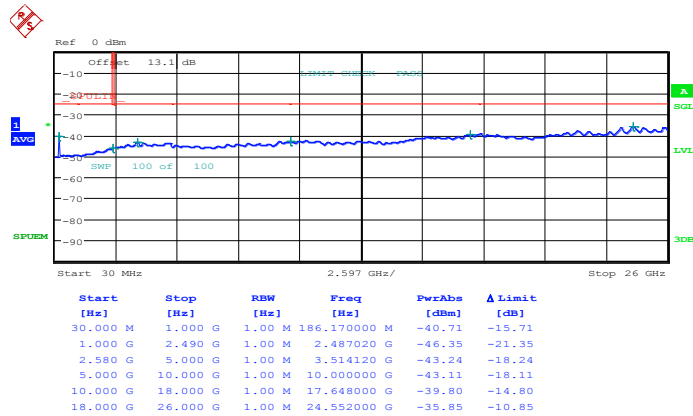
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH20800 (Low)
<b>Band Width :</b>	10MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 10:56:09

**16QAM (RB Size 1, RB Offset 0)**

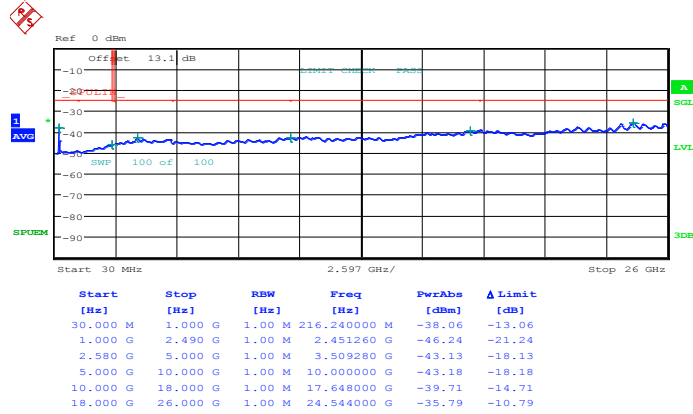


Date: 2.JUN.2014 10:57:13



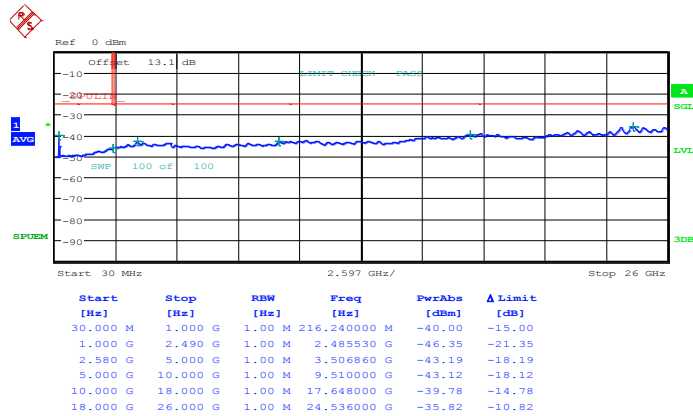
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21100 (Middle)
<b>Band Width :</b>	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 2.JUN.2014 10:59:26

16QAM (RB Size 1, RB Offset 0)

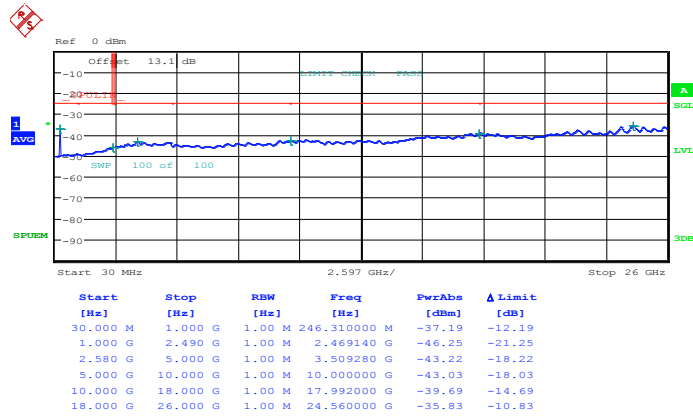


Date: 2.JUN.2014 11:00:29



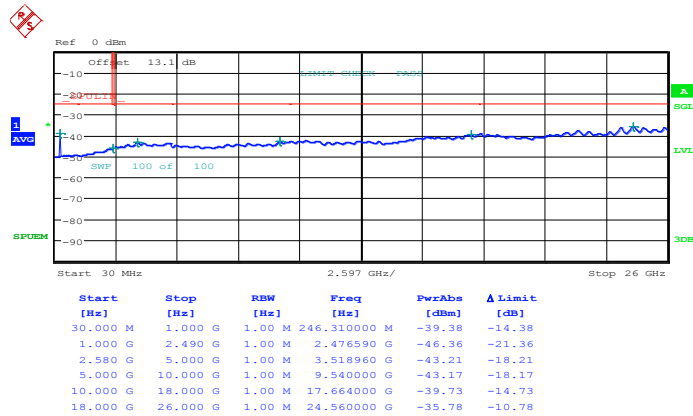
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21400 (High)
<b>Band Width :</b>	10MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:05:53

**16QAM (RB Size 1, RB Offset 0)**

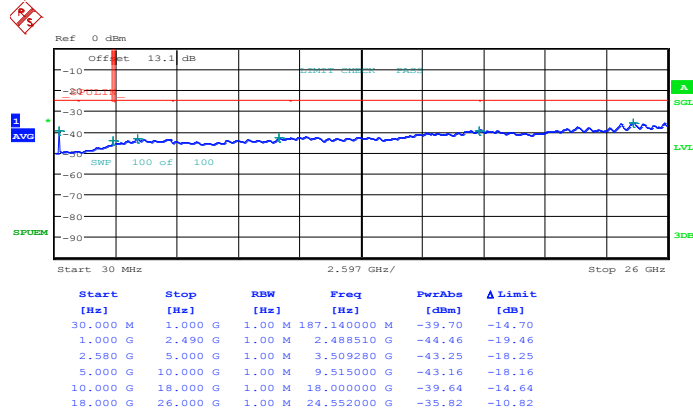


Date: 2.JUN.2014 11:06:56



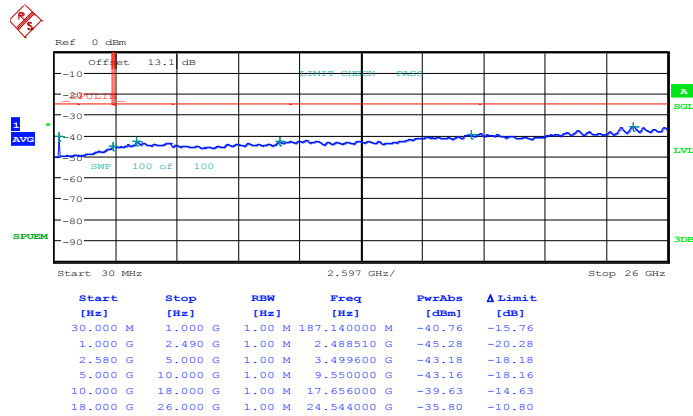
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH20825 (Low)
<b>Band Width :</b>	15MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:12:24

**16QAM (RB Size 1, RB Offset 0)**

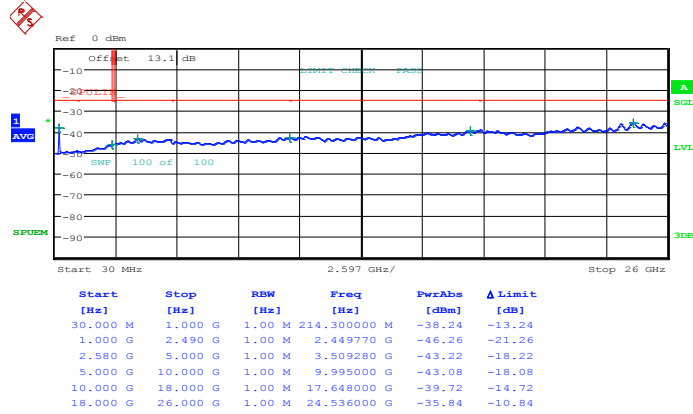


Date: 2.JUN.2014 11:13:27



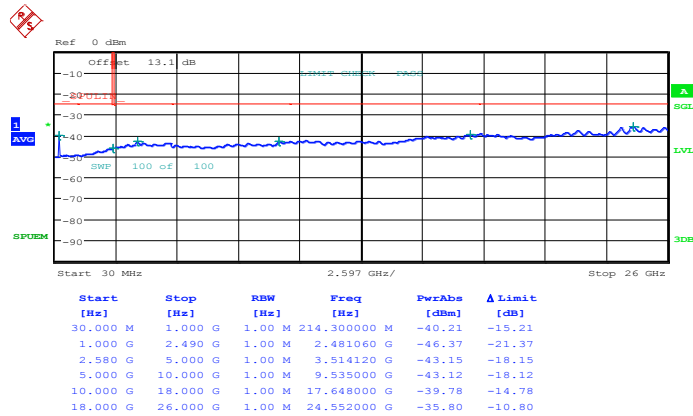
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21100 (Middle)
<b>Band Width :</b>	15MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:15:41

**16QAM (RB Size 1, RB Offset 0)**

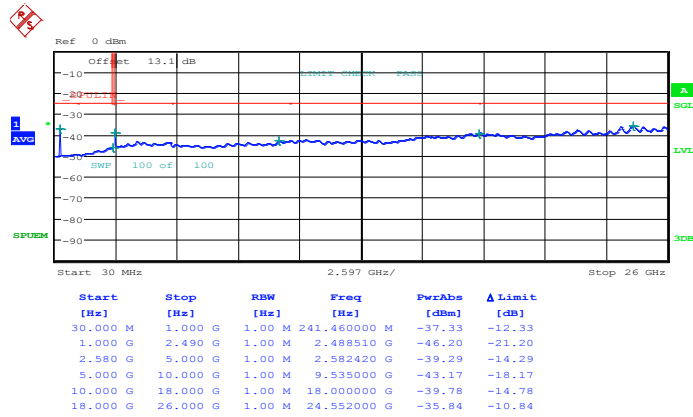


Date: 2.JUN.2014 11:16:44



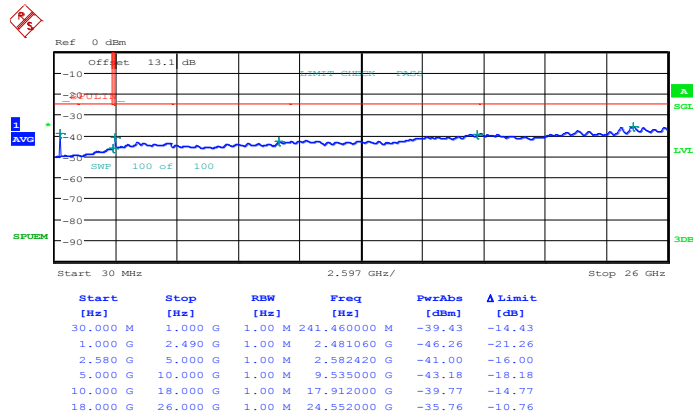
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21375 (High)
<b>Band Width :</b>	15MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:22:08

**16QAM (RB Size 1, RB Offset 0)**

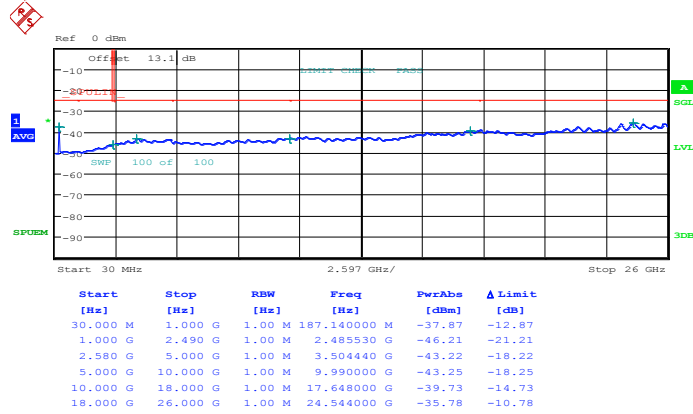


Date: 2.JUN.2014 11:23:11



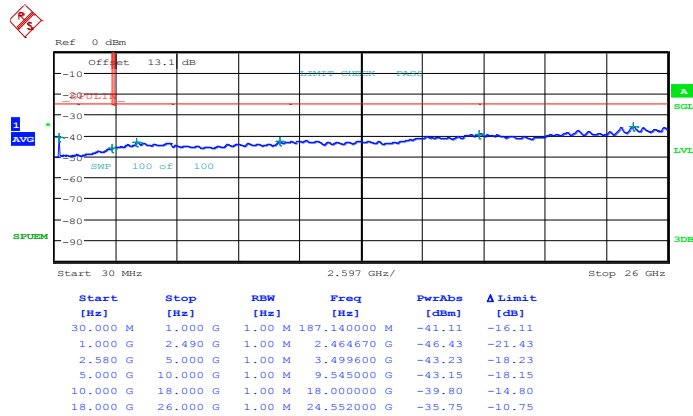
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH20850 (Low)
<b>Band Width :</b>	20MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:28:39

**16QAM (RB Size 1, RB Offset 0)**

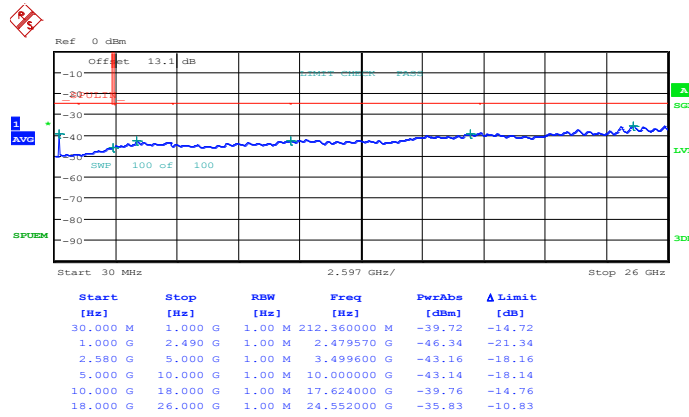


Date: 2.JUN.2014 11:29:42



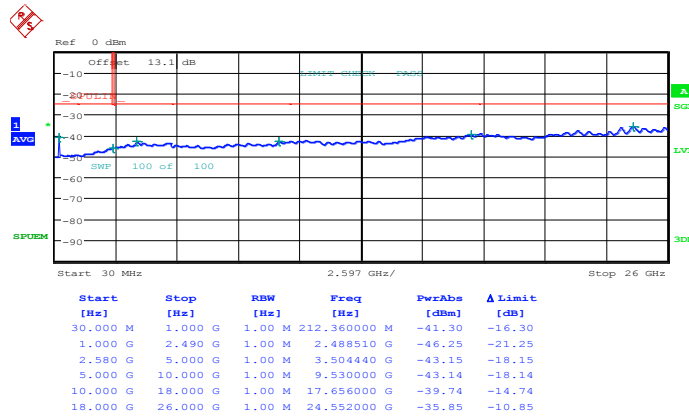
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21100 (Middle)
<b>Band Width :</b>	20MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:31:56

**16QAM (RB Size 1, RB Offset 0)**

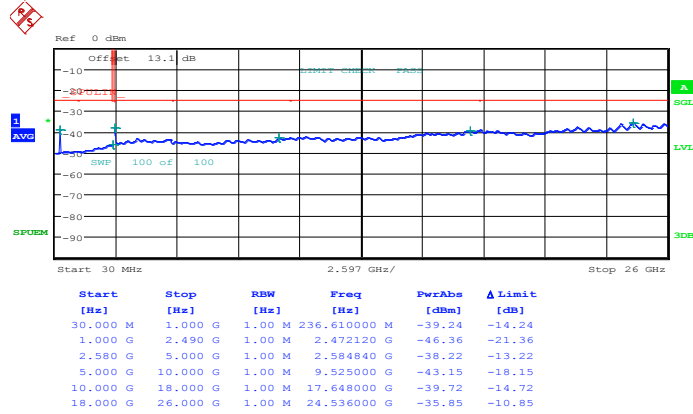


Date: 2.JUN.2014 11:32:59



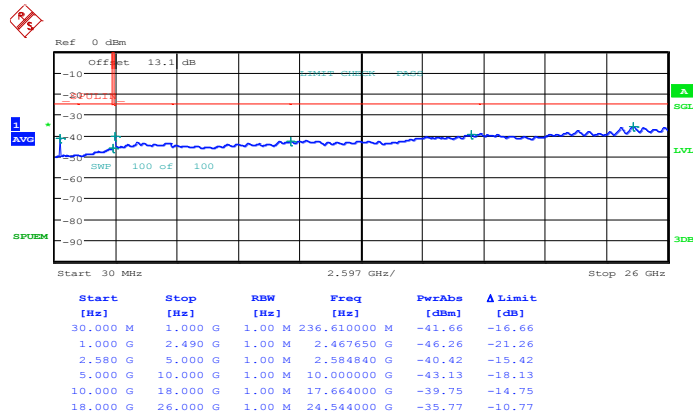
<b>Band :</b>	LTE Band 7	<b>Channel :</b>	CH21350 (High)
<b>Band Width :</b>	20MHz		

**QPSK (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:38:22

**16QAM (RB Size 1, RB Offset 0)**



Date: 2.JUN.2014 11:39:25



## 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.

For Band 13

Emissions in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz equivalent isotropically radiated power for wideband signals, and  $-80$  dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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 measurement procedures was followed in the KDB 971168 v02r01 Section 5.8 and ANSI / TIA-603-C-2004 Section 2.2.12.
2. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. 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.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. 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)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm.}$$

For Band 7

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

For Band 13

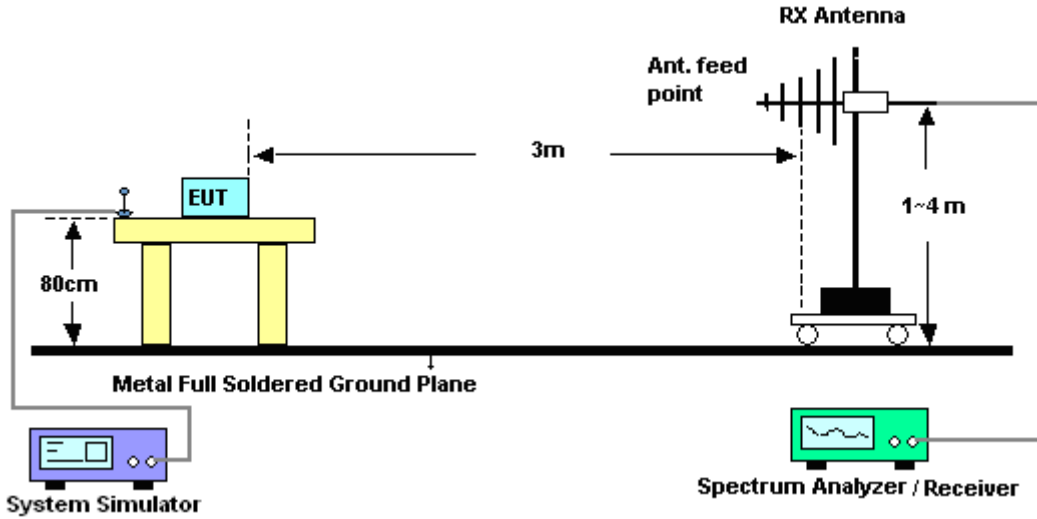
Emissions in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz EIRP

$$= -40 \text{ dBm/MHz EIRP} = -42.15 \text{ dBm/MHz ERP}$$

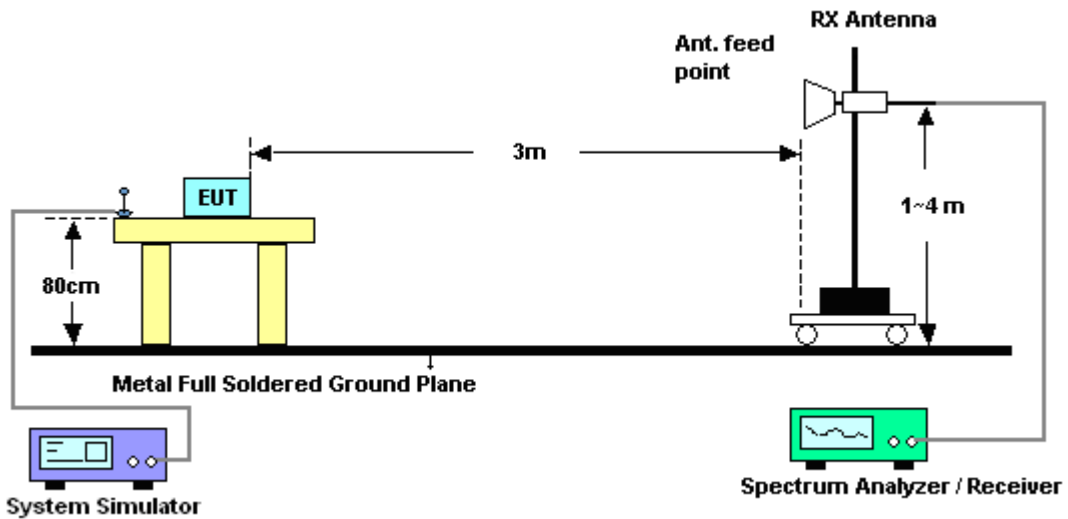
12.  $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
13.  $\text{ERP (dBm)} = \text{EIRP} - 2.15$

### 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>

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Horizontal					
<b>Remark :</b>	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
3740	-54.42	-13	-41.42	-69.55	-60.8	2.51	8.89	H	Pass
5610	-49.24	-13	-36.24	-69.88	-57.1	3.03	10.89	H	Pass
7480	-42.76	-13	-29.76	-69.95	-51.9	3.24	12.38	H	Pass

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Vertical					
<b>Remark :</b>	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
3740	-53.72	-13	-40.72	-69.5	-60.1	2.51	8.89	V	Pass
5610	-50.14	-13	-37.14	-70.14	-58	3.03	10.89	V	Pass
7480	-42.96	-13	-29.96	-69.65	-52.1	3.24	12.38	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
3780	-54.20	-13	-41.20	-69.4	-60.5	2.51	8.81	H	Pass
5670	-49.49	-13	-36.49	-69.91	-57.2	2.99	10.70	H	Pass
7560	-42.87	-13	-29.87	-70.16	-51.4	3.59	12.12	H	Pass

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
3780	-52.90	-13	-39.90	-69.11	-59.2	2.51	8.81	V	Pass
5670	-49.39	-13	-36.39	-69.82	-57.1	2.99	10.70	V	Pass
7560	-42.77	-13	-29.77	-69.87	-51.3	3.59	12.12	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Horizontal					
<b>Remark :</b>	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
3819	-48.72	-13	-35.72	-63.95	-55.1	2.52	8.90	H	Pass
5730	-49.15	-13	-36.15	-70.08	-56.9	3.01	10.76	H	Pass
7640	-43.27	-13	-30.27	-69.4	-51.8	3.62	12.15	H	Pass

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Vertical					
<b>Remark :</b>	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
3819	-52.02	-13	-39.02	-68.36	-58.4	2.52	8.90	V	Pass
5730	-49.05	-13	-36.05	-69.79	-56.8	3.01	10.76	V	Pass
7640	-43.77	-13	-30.77	-69.66	-52.3	3.62	12.15	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Horizontal					
<b>Remark :</b>	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
3700	-54.45	-13	-41.45	-69.9	-60.8	2.49	8.84	H	Pass
5550	-49.25	-13	-36.25	-69.66	-57.1	3.01	10.86	H	Pass
7400	-42.43	-13	-29.43	-69.57	-51.4	3.38	12.35	H	Pass

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Vertical					
<b>Remark :</b>	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
3700	-53.75	-13	-40.75	-69.69	-60.1	2.49	8.84	V	Pass
5550	-50.85	-13	-37.85	-70.04	-58.7	3.01	10.86	V	Pass
7400	-43.73	-13	-30.73	-70.44	-52.7	3.38	12.35	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
3745	-54.20	-13	-41.20	-69.49	-60.5	2.51	8.81	H	Pass
5618	-49.59	-13	-36.59	-70.41	-57.3	2.99	10.70	H	Pass
7490	-42.27	-13	-29.27	-70.08	-50.8	3.59	12.12	H	Pass

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
3745	-52.50	-13	-39.50	-68.45	-58.8	2.51	8.81	V	Pass
5618	-49.49	-13	-36.49	-70.19	-57.2	2.99	10.70	V	Pass
7490	-42.77	-13	-29.77	-70.22	-51.3	3.59	12.12	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
3790	-50.79	-13	-37.79	-65.8	-57.1	2.52	8.83	H	Pass
5685	-48.67	-13	-35.67	-69.76	-56.4	3.03	10.76	H	Pass
7580	-43.25	-13	-30.25	-69.73	-51.8	3.61	12.16	H	Pass

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
3790	-52.09	-13	-39.09	-68.2	-58.4	2.52	8.83	V	Pass
5685	-47.07	-13	-34.07	-67.47	-54.8	3.03	10.76	V	Pass
7580	-43.55	-13	-30.55	-70.03	-52.1	3.61	12.16	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Horizontal					
<b>Remark :</b>	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
3700	-54.68	-13	-41.68	-69.57	-61.1	2.47	8.89	H	Pass
5548	-49.24	-13	-36.24	-70	-57.1	2.93	10.79	H	Pass
7403	-43.09	-13	-30.09	-70.34	-51.9	3.45	12.26	H	Pass

<b>Band :</b>	LTE Band 2		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Vertical					
<b>Remark :</b>	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
3700	-53.48	-13	-40.48	-69.22	-59.9	2.47	8.89	V	Pass
5548	-50.44	-13	-37.44	-69.93	-58.3	2.93	10.79	V	Pass
7403	-43.89	-13	-30.89	-70.24	-52.7	3.45	12.26	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
3749	-54.60	-13	-41.60	-69.54	-60.9	2.51	8.81	H	Pass
5625	-49.69	-13	-36.69	-70.22	-57.4	2.99	10.70	H	Pass
7501	-42.87	-13	-29.87	-70.33	-51.4	3.59	12.12	H	Pass

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
3749	-53.80	-13	-40.80	-70.06	-60.1	2.51	8.81	V	Pass
5625	-48.89	-13	-35.89	-68.84	-56.6	2.99	10.70	V	Pass
7501	-43.17	-13	-30.17	-69.67	-51.7	3.59	12.12	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
3798	-52.34	-13	-39.34	-67.15	-58.7	2.52	8.88	H	Pass
5702	-49.24	-13	-36.24	-70.07	-56.9	3.09	10.75	H	Pass
7599	-44.06	-13	-31.06	-70.63	-52.7	3.65	12.29	H	Pass

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
3798	-51.54	-13	-38.54	-67.41	-57.9	2.52	8.88	V	Pass
5702	-49.44	-13	-36.44	-69.37	-57.1	3.09	10.75	V	Pass
7599	-44.46	-13	-31.46	-70.53	-53.1	3.65	12.29	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
3700	-54.47	-13	-41.47	-69.33	-60.8	2.46	8.79	H	Pass
5548	-48.63	-13	-35.63	-68.82	-56.5	2.9	10.77	H	Pass
7403	-42.68	-13	-29.68	-69.2	-51.5	3.42	12.24	H	Pass

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
3700	-52.67	-13	-39.67	-68.58	-59	2.46	8.79	V	Pass
5548	-49.33	-13	-36.33	-69.12	-57.2	2.9	10.77	V	Pass
7403	-43.18	-13	-30.18	-69.69	-52	3.42	12.24	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
3756	-53.90	-13	-40.90	-68.96	-60.2	2.51	8.81	H	Pass
5632	-49.69	-13	-36.69	-69.4	-57.4	2.99	10.70	H	Pass
7510	-42.97	-13	-29.97	-69.99	-51.5	3.59	12.12	H	Pass

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
3756	-53.20	-13	-40.20	-68.87	-59.5	2.51	8.81	V	Pass
5632	-49.59	-13	-36.59	-69.74	-57.3	2.99	10.70	V	Pass
7510	-43.37	-13	-30.37	-70.28	-51.9	3.59	12.12	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
3812	-49.76	-13	-36.76	-64.94	-56.1	2.59	8.93	H	Pass
5716	-48.50	-13	-35.50	-69.12	-56.4	3.08	10.98	H	Pass
7620	-43.97	-13	-30.97	-70.55	-52.5	3.64	12.17	H	Pass

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
3812	-51.76	-13	-38.76	-67.98	-58.1	2.59	8.93	V	Pass
5716	-48.80	-13	-35.80	-69.2	-56.7	3.08	10.98	V	Pass
7620	-43.57	-13	-30.57	-69.76	-52.1	3.64	12.17	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
3706	-54.24	-13	-41.24	-69.28	-60.5	2.47	8.73	H	Pass
5559	-49.35	-13	-36.35	-69.62	-57.1	2.93	10.68	H	Pass
7412	-42.68	-13	-29.68	-69.93	-51.4	3.42	12.14	H	Pass

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
3706	-53.64	-13	-40.64	-69.46	-59.9	2.47	8.73	V	Pass
5559	-49.65	-13	-36.65	-69.74	-57.4	2.93	10.68	V	Pass
7412	-42.38	-13	-29.38	-68.76	-51.1	3.42	12.14	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
3763	-53.20	-13	-40.20	-68.35	-59.5	2.51	8.81	H	Pass
5645	-48.39	-13	-35.39	-68.98	-56.1	2.99	10.70	H	Pass
7526	-43.87	-13	-30.87	-70.32	-52.4	3.59	12.12	H	Pass

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
3763	-52.50	-13	-39.50	-68.42	-58.8	2.51	8.81	V	Pass
5645	-47.99	-13	-34.99	-68.62	-55.7	2.99	10.70	V	Pass
7526	-43.57	-13	-30.57	-70.2	-52.1	3.59	12.12	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
3820	-52.97	-13	-39.97	-68.29	-59.2	2.64	8.87	H	Pass
5730	-48.66	-13	-35.66	-69.61	-56.4	3.08	10.82	H	Pass
7640	-42.81	-13	-29.81	-68.45	-51.3	3.64	12.13	H	Pass

<b>Band :</b>	LTE Band 2					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
3820	-50.87	-13	-37.87	-67.23	-57.1	2.64	8.87	V	Pass
5730	-48.66	-13	-35.66	-69.22	-56.4	3.08	10.82	V	Pass
7640	-43.51	-13	-30.51	-69.54	-52	3.64	12.13	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
3700	-53.94	-13	-40.94	-69	-60.2	2.48	8.74	H	Pass
5550	-49.51	-13	-36.51	-69.82	-57.2	2.96	10.65	H	Pass
7400	-43.27	-13	-30.27	-69.98	-51.9	3.48	12.11	H	Pass

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
3700	-53.84	-13	-40.84	-69.83	-60.1	2.48	8.74	V	Pass
5550	-49.81	-13	-36.81	-70.22	-57.5	2.96	10.65	V	Pass
7400	-43.37	-13	-30.37	-70.19	-52	3.48	12.11	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
3759	-53.60	-13	-40.60	-68.7	-59.9	2.51	8.81	H	Pass
5638	-48.39	-13	-35.39	-68.85	-56.1	2.99	10.70	H	Pass
7517	-42.87	-13	-29.87	-70.42	-51.4	3.59	12.12	H	Pass

<b>Band :</b>	LTE Band 2				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
3759	-52.40	-13	-39.40	-68.18	-58.7	2.51	8.81	V	Pass
5638	-49.39	-13	-36.39	-69.46	-57.1	2.99	10.70	V	Pass
7517	-42.67	-13	-29.67	-69.88	-51.2	3.59	12.12	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
3817	-48.84	-13	-35.84	-64.66	-55.1	2.61	8.87	H	Pass
5726	-48.70	-13	-35.70	-69.98	-56.5	3.09	10.89	H	Pass
7634	-43.60	-13	-30.60	-69.53	-52.1	3.68	12.18	H	Pass

<b>Band :</b>	LTE Band 2	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
3817	-51.94	-13	-38.94	-67.69	-58.2	2.61	8.87	V	Pass
5726	-48.90	-13	-35.90	-69.21	-56.7	3.09	10.89	V	Pass
7634	-44.00	-13	-31.00	-69.76	-52.5	3.68	12.18	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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	-52.88	-13	-39.88	-67.05	-56.66	4.62	8.40	H	Pass
5128	-50.51	-13	-37.51	-68.97	-55.14	5.45	10.08	H	Pass
6843	-42.28	-13	-29.28	-67.93	-47.52	6.18	11.42	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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	-51.44	-13	-38.44	-66.97	-55.22	4.62	8.40	V	Pass
5128	-50.52	-13	-37.52	-69.13	-55.15	5.45	10.08	V	Pass
6843	-43.86	-13	-30.86	-68.84	-49.1	6.18	11.42	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
3448	-53.34	-13	-40.34	-67.68	-57.17	4.48	8.31	H	Pass
5170	-49.62	-13	-36.62	-68.24	-54.26	5.332	9.98	H	Pass
6899	-41.94	-13	-28.94	-67.92	-47.18	6.1	11.34	H	Pass

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
3448	-52.05	-13	-39.05	-67.57	-55.88	4.48	8.31	V	Pass
5170	-50.01	-13	-37.01	-68.57	-54.65	5.332	9.98	V	Pass
6899	-43.02	-13	-30.02	-68.23	-48.26	6.1	11.34	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 4					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
3469	-52.38	-13	-39.38	-66.68	-56.47	4.28	8.37	H	Pass
5205	-50.23	-13	-37.23	-69.02	-55.04	5.22	10.03	H	Pass
6941	-42.28	-13	-29.28	-68.51	-47.41	6.23	11.36	H	Pass

<b>Band :</b>	LTE Band 4					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
3469	-52.13	-13	-39.13	-67.73	-56.22	4.28	8.37	V	Pass
5205	-44.19	-13	-31.19	-67.83	-49	5.22	10.03	V	Pass
6941	-42.74	-13	-29.74	-68.08	-47.87	6.23	11.36	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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	-53.02	-13	-40.02	-67.25	-56.79	4.59	8.36	H	Pass
5128	-50.93	-13	-37.93	-69.44	-55.57	5.41	10.05	H	Pass
6843	-42.52	-13	-29.52	-68.22	-47.76	6.15	11.39	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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	-51.65	-13	-38.65	-67.21	-55.42	4.59	8.36	V	Pass
5128	-50.72	-13	-37.72	-69.31	-55.36	5.41	10.05	V	Pass
6843	-43.29	-13	-30.29	-68.27	-48.53	6.15	11.39	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 4		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Horizontal					
<b>Remark :</b>	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
3455	-53.60	-13	-40.60	-67.87	-57.43	4.48	8.31	H	Pass
5184	-50.51	-13	-37.51	-69.19	-55.15	5.332	9.98	H	Pass
6913	-42.42	-13	-29.42	-69.05	-47.66	6.1	11.34	H	Pass

<b>Band :</b>	LTE Band 4		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Vertical					
<b>Remark :</b>	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
3455	-51.72	-13	-38.72	-67.18	-55.55	4.48	8.31	V	Pass
5184	-50.40	-13	-37.40	-69.16	-55.04	5.332	9.98	V	Pass
6913	-43.43	-13	-30.43	-68.5	-48.67	6.1	11.34	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 4					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
3483	-52.35	-13	-39.35	-66.74	-56.49	4.24	8.38	H	Pass
5226	-50.18	-13	-37.18	-69.16	-55.05	5.18	10.05	H	Pass
6969	-40.57	-13	-27.57	-66.88	-45.76	6.19	11.38	H	Pass

<b>Band :</b>	LTE Band 4					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
3483	-51.48	-13	-38.48	-67.13	-55.62	4.24	8.38	V	Pass
5226	-50.26	-13	-37.26	-69.23	-55.13	5.18	10.05	V	Pass
6969	-42.22	-13	-29.22	-67.71	-47.41	6.19	11.38	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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	-53.18	-13	-40.18	-67.51	-57	4.51	8.33	H	Pass
5135	-50.03	-13	-37.03	-68.77	-54.7	5.36	10.03	H	Pass
6843	-44.47	-13	-31.47	-68.18	-49.7	6.13	11.36	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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	-51.72	-13	-38.72	-67.22	-55.54	4.51	8.33	V	Pass
5135	-50.99	-13	-37.99	-69.37	-55.66	5.36	10.03	V	Pass
6843	-43.78	-13	-30.78	-68.77	-49.01	6.13	11.36	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
3455	-53.59	-13	-40.59	-67.86	-57.42	4.48	8.31	H	Pass
5184	-50.48	-13	-37.48	-69.13	-55.12	5.332	9.98	H	Pass
6913	-43.05	-13	-30.05	-69.1	-48.29	6.1	11.34	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
3455	-52.20	-13	-39.20	-67.76	-56.03	4.48	8.31	V	Pass
5184	-50.37	-13	-37.37	-69.15	-55.01	5.332	9.98	V	Pass
6913	-42.86	-13	-29.86	-68.13	-48.1	6.1	11.34	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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	-52.70	-13	-39.70	-67.04	-56.89	4.2	8.39	H	Pass
5233	-50.13	-13	-37.13	-68.96	-55.01	5.17	10.05	H	Pass
6983	-42.01	-13	-29.01	-68.45	-47.21	6.2	11.40	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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	-51.56	-13	-38.56	-67.14	-55.75	4.2	8.39	V	Pass
5233	-50.14	-13	-37.14	-69.05	-55.02	5.17	10.05	V	Pass
6983	-43.13	-13	-30.13	-68.68	-48.33	6.2	11.40	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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	-53.37	-13	-40.37	-67.58	-57.2	4.48	8.31	H	Pass
5128	-50.71	-13	-37.71	-69.17	-55.35	5.332	9.98	H	Pass
6843	-43.64	-13	-30.64	-69.34	-48.88	6.1	11.34	H	Pass

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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	-51.19	-13	-38.19	-66.79	-55.02	4.48	8.31	V	Pass
5128	-51.03	-13	-38.03	-69.52	-55.67	5.332	9.98	V	Pass
6843	-43.52	-13	-30.52	-68.54	-48.76	6.1	11.34	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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	-53.12	-13	-40.12	-67.35	-56.95	4.48	8.31	H	Pass
5191	-49.90	-13	-36.90	-68.65	-54.54	5.332	9.98	H	Pass
6920	-42.39	-13	-29.39	-68.37	-47.63	6.1	11.34	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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	-52.59	-13	-39.59	-68.15	-56.42	4.48	8.31	V	Pass
5191	-49.72	-13	-36.72	-68.49	-54.36	5.332	9.98	V	Pass
6920	-43.47	-13	-30.47	-68.66	-48.71	6.1	11.34	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 4					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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	-52.01	-13	-39.01	-66.45	-56.28	4.16	8.43	H	Pass
5247	-49.78	-13	-36.78	-68.73	-54.74	5.13	10.09	H	Pass
6997	-42.72	-13	-29.72	-69.14	-48	6.15	11.43	H	Pass

<b>Band :</b>	LTE Band 4					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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	-51.89	-13	-38.89	-67.42	-56.16	4.16	8.43	V	Pass
5247	-49.49	-13	-36.49	-68.55	-54.45	5.13	10.09	V	Pass
6997	-42.15	-13	-29.15	-67.89	-47.43	6.15	11.43	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 4		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Horizontal					
<b>Remark :</b>	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	-53.63	-13	-40.63	-67.86	-57.51	4.43	8.31	H	Pass
5128	-51.31	-13	-38.31	-69.73	-55.88	5.31	9.88	H	Pass
6843	-42.82	-13	-29.82	-68.49	-48.15	6.02	11.35	H	Pass

<b>Band :</b>	LTE Band 4		<b>Temperature :</b>	21~24°C					
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0		<b>Relative Humidity :</b>	44~48%					
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu		<b>Polarization :</b>	Vertical					
<b>Remark :</b>	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	-51.59	-13	-38.59	-67.13	-55.47	4.43	8.31	V	Pass
5128	-50.12	-13	-37.12	-68.56	-54.69	5.31	9.88	V	Pass
6843	-43.30	-13	-30.30	-68.31	-48.63	6.02	11.35	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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	-53.41	-13	-40.41	-67.77	-57.24	4.48	8.31	H	Pass
5191	-49.49	-13	-36.49	-68.21	-54.13	5.332	9.98	H	Pass
6927	-42.90	-13	-29.90	-69.07	-48.14	6.1	11.34	H	Pass

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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	-52.06	-13	-39.06	-67.59	-55.89	4.48	8.31	V	Pass
5191	-50.61	-13	-37.61	-69.39	-55.25	5.332	9.98	V	Pass
6927	-42.71	-13	-29.71	-68.09	-47.95	6.1	11.34	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 4						<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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	
3504	-52.72	-13	-39.72	-67.18	-56.99	4.14	8.41	H	Pass	
5254	-50.06	-13	-37.06	-69.09	-55.01	5.12	10.07	H	Pass	
7011	-42.39	-13	-29.39	-68.87	-47.68	6.13	11.42	H	Pass	

<b>Band :</b>	LTE Band 4						<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	3MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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	
3504	-51.50	-13	-38.50	-67.08	-55.77	4.14	8.41	V	Pass	
5254	-50.27	-13	-37.27	-69.26	-55.22	5.12	10.07	V	Pass	
7011	-44.24	-13	-31.24	-69.92	-49.53	6.13	11.42	V	Pass	



<Low Channel>

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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	-53.38	-13	-40.38	-67.56	-57.25	4.41	8.28	H	Pass
5128	-50.80	-13	-37.80	-69.17	-55.37	5.28	9.85	H	Pass
6843	-42.77	-13	-29.77	-68.48	-48	6.01	11.24	H	Pass

<b>Band :</b>	LTE Band 4				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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	-51.75	-13	-38.75	-67.28	-55.62	4.41	8.28	V	Pass
5128	-50.57	-13	-37.57	-69.07	-55.14	5.28	9.85	V	Pass
6843	-43.35	-13	-30.35	-68.3	-48.58	6.01	11.24	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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	-52.84	-13	-39.84	-67.18	-56.67	4.48	8.31	H	Pass
5191	-50.38	-13	-37.38	-69.13	-55.02	5.332	9.98	H	Pass
6927	-42.49	-13	-29.49	-68.6	-47.73	6.1	11.34	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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	-51.31	-13	-38.31	-66.87	-55.14	4.48	8.31	V	Pass
5191	-49.57	-13	-36.57	-68.36	-54.21	5.332	9.98	V	Pass
6927	-42.55	-13	-29.55	-68.76	-47.79	6.1	11.34	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 4						<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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	
3508	-52.74	-13	-39.74	-67.17	-57.01	4.14	8.41	H	Pass	
5262	-50.44	-13	-37.44	-69.51	-55.39	5.12	10.07	H	Pass	
7016	-42.42	-13	-29.42	-69.04	-47.71	6.13	11.42	H	Pass	

<b>Band :</b>	LTE Band 4						<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	1.4MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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	
3508	-51.61	-13	-38.61	-67.22	-55.88	4.14	8.41	V	Pass	
5262	-50.59	-13	-37.59	-69.66	-55.54	5.12	10.07	V	Pass	
7016	-43.03	-13	-30.03	-68.77	-48.32	6.13	11.42	V	Pass	



<Middle Channel>

<b>Band :</b>	LTE Band 13				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
1554	-57.87	-13	-44.87	-65.73	-59.7	1.51	5.49	H	Pass
1609	-56.66	-42.15	-14.51	-65.26	-58.62	1.54	5.65	H	Pass
2331	-54.28	-13	-41.28	-66.85	-56.2	1.98	6.05	H	Pass
3108	-54.68	-13	-41.68	-67.99	-57.7	2.39	7.56	H	Pass

<b>Band :</b>	LTE Band 13				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
1554	-55.67	-13	-42.67	-65.94	-57.5	1.51	5.49	V	Pass
1579	-54.39	-42.15	-12.24	-65.02	-56.35	1.54	5.65	V	Pass
2331	-52.18	-13	-39.18	-65.11	-54.1	1.98	6.05	V	Pass
3108	-51.78	-13	-38.78	-66.98	-54.8	2.39	7.56	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 13					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
1554	-57.15	-13	-44.15	-65.31	-61.1	1.47	5.42	H	Pass
1608	-57.09	-42.15	-14.94	-65.67	-61.05	1.5	5.46	H	Pass
2331	-54.23	-13	-41.23	-66.62	-58.4	1.85	6.02	H	Pass
3108	-53.24	-13	-40.24	-66.8	-58.5	2.22	7.48	H	Pass

<b>Band :</b>	LTE Band 13					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
1554	-55.65	-13	-42.65	-65.96	-59.6	1.47	5.42	V	Pass
1560	-55.10	-42.15	-12.95	-65.61	-59.06	1.5	5.46	V	Pass
2331	-52.93	-13	-39.93	-65.84	-57.1	1.85	6.02	V	Pass
3108	-51.84	-13	-38.84	-67.32	-57.1	2.22	7.48	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 13	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
1559	-57.12	-42.15	-14.97	-65.55	-61.1	1.51	5.49	H	Pass
1608	-57.37	-42.15	-15.22	-65.78	-61.48	1.54	5.65	H	Pass
2338	-54.63	-13	-41.63	-66.68	-58.7	1.98	6.05	H	Pass
3118	-54.23	-13	-41.23	-68.05	-59.4	2.39	7.56	H	Pass

<b>Band :</b>	LTE Band 13	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
1559	-55.42	-42.15	-13.27	-65.76	-59.4	1.51	5.49	V	Pass
1560	-55.40	-42.15	-13.25	-65.76	-59.51	1.54	5.65	V	Pass
2338	-53.73	-13	-40.73	-67.12	-57.8	1.98	6.05	V	Pass
3118	-52.33	-13	-39.33	-68.21	-57.5	2.39	7.56	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 13						<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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	
1564	-57.40	-42.15	-15.25	-65.86	-61.4	1.56	5.56	H	Pass	
1592	-56.95	-42.15	-14.80	-65.46	-60.96	1.58	5.59	H	Pass	
2346	-54.82	-13	-41.82	-67.22	-58.9	2.03	6.11	H	Pass	
3128	-53.09	-13	-40.09	-66.55	-58.3	2.43	7.64	H	Pass	

<b>Band :</b>	LTE Band 13						<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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	
1564	-55.10	-42.15	-12.95	-65.77	-59.1	1.56	5.56	V	Pass	
1584	-54.77	-42.15	-12.62	-65.35	-58.78	1.58	5.59	V	Pass	
2346	-53.52	-13	-40.52	-66.74	-57.6	2.03	6.11	V	Pass	
3128	-51.79	-13	-38.79	-66.89	-57	2.43	7.64	V	Pass	



<Low Channel>

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
5040	-51.49	-25	-26.49	-69.55	-55.04	6.83	10.38	H	Pass
7560	-42.82	-25	-17.82	-69.87	-45.79	9.28	12.25	H	Pass
10074	-41.28	-25	-16.28	-70.02	-45.63	8.54	12.89	H	Pass

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
5040	-51.45	-25	-26.45	-69.65	-55	6.83	10.38	V	Pass
7560	-43.05	-25	-18.05	-69.81	-46.02	9.28	12.25	V	Pass
10074	-41.24	-25	-16.24	-69.12	-45.59	8.54	12.89	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 7				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
5088	-51.65	-25	-26.65	-69.85	-55.14	6.86	10.35	H	Pass
7632	-43.27	-25	-18.27	-69.74	-46.16	9.34	12.23	H	Pass
10176	-40.95	-25	-15.95	-69.9	-45.05	8.64	12.74	H	Pass

<b>Band :</b>	LTE Band 7				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
5088	-51.74	-25	-26.74	-70.12	-55.23	6.86	10.35	V	Pass
7632	-42.87	-25	-17.87	-69.15	-45.76	9.34	12.23	V	Pass
10176	-42.23	-25	-17.23	-70.21	-46.33	8.64	12.74	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 7					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
5136	-51.22	-25	-26.22	-69.73	-55.76	5.84	10.38	H	Pass
7704	-43.41	-25	-18.41	-68.96	-46.35	9.33	12.27	H	Pass
10278	-40.90	-25	-15.90	-69.98	-45.1	8.6	12.80	H	Pass

<b>Band :</b>	LTE Band 7					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	20MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
5136	-50.45	-25	-25.45	-68.95	-54.99	5.84	10.38	V	Pass
7704	-43.08	-25	-18.08	-68.79	-46.02	9.33	12.27	V	Pass
10278	-41.05	-25	-16.05	-69.12	-45.25	8.6	12.80	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
5028	-51.48	-25	-26.48	-69.5	-55.03	6.82	10.37	H	Pass
7542	-42.90	-25	-17.90	-70.04	-45.89	9.27	12.26	H	Pass
10056	-40.67	-25	-15.67	-69.41	-45	8.55	12.88	H	Pass

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
5028	-51.31	-25	-26.31	-69.45	-54.86	6.82	10.37	V	Pass
7542	-41.93	-25	-16.93	-68.85	-44.92	9.27	12.26	V	Pass
10056	-41.64	-25	-16.64	-69.5	-45.97	8.55	12.88	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
5082	-51.69	-25	-26.69	-70.03	-55.18	6.86	10.35	H	Pass
7620	-44.16	-25	-19.16	-70.77	-47.05	9.34	12.23	H	Pass
10164	-41.62	-25	-16.62	-70.64	-45.72	8.64	12.74	H	Pass

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
5082	-52.10	-25	-27.10	-70.43	-55.59	6.86	10.35	V	Pass
7620	-43.22	-25	-18.22	-69.74	-46.11	9.34	12.23	V	Pass
10164	-42.61	-25	-17.61	-70.59	-46.71	8.64	12.74	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 7					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
5136	-50.92	-25	-25.92	-69.37	-54.46	6.87	10.41	H	Pass
7704	-43.80	-25	-18.80	-69.64	-46.75	9.35	12.30	H	Pass
10278	-40.05	-25	-15.05	-69.22	-44.24	8.63	12.82	H	Pass

<b>Band :</b>	LTE Band 7					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	15MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
5136	-51.02	-25	-26.02	-69.69	-54.56	6.87	10.41	V	Pass
7704	-43.82	-25	-18.82	-69.61	-46.77	9.35	12.30	V	Pass
10278	-41.54	-25	-16.54	-69.59	-45.73	8.63	12.82	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 7				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Horizontal			
<b>Remark :</b>	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
5016	-51.51	-25	-26.51	-69.42	-55.05	6.81	10.35	H	Pass
7524	-43.29	-25	-18.29	-70.54	-46.27	9.26	12.24	H	Pass
10038	-41.29	-25	-16.29	-70.2	-45.58	8.54	12.83	H	Pass

<b>Band :</b>	LTE Band 7				<b>Temperature :</b>	21~24°C			
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0				<b>Relative Humidity :</b>	44~48%			
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu				<b>Polarization :</b>	Vertical			
<b>Remark :</b>	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
5016	-50.92	-25	-25.92	-68.95	-54.46	6.81	10.35	V	Pass
7524	-42.89	-25	-17.89	-69.97	-45.87	9.26	12.24	V	Pass
10038	-42.87	-25	-17.87	-70.79	-47.16	8.54	12.83	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
5082	-52.02	-25	-27.02	-70.31	-55.51	6.86	10.35	H	Pass
7620	-42.58	-25	-17.58	-69.3	-45.47	9.34	12.23	H	Pass
10158	-41.54	-25	-16.54	-70.46	-45.64	8.64	12.74	H	Pass

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
5082	-51.95	-25	-26.95	-70.28	-55.44	6.86	10.35	V	Pass
7620	-42.98	-25	-17.98	-69.32	-45.87	9.34	12.23	V	Pass
10158	-42.66	-25	-17.66	-70.71	-46.76	8.64	12.74	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
5136	-50.40	-25	-25.40	-68.8	-53.94	6.88	10.42	H	Pass
7704	-43.74	-25	-18.74	-69.66	-46.68	9.37	12.31	H	Pass
10272	-40.34	-25	-15.34	-69.42	-44.53	8.64	12.83	H	Pass

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	10MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
5136	-51.34	-25	-26.34	-69.72	-54.88	6.88	10.42	V	Pass
7704	-43.33	-25	-18.33	-69.09	-46.27	9.37	12.31	V	Pass
10272	-42.23	-25	-17.23	-70.34	-46.42	8.64	12.83	V	Pass



<Low Channel>

<b>Band :</b>	LTE Band 7					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Horizontal		
<b>Remark :</b>	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
5010	-52.32	-25	-27.32	-70.09	-55.88	6.78	10.34	H	Pass
7512	-42.28	-25	-17.28	-69.65	-45.32	9.22	12.26	H	Pass
10020	-41.67	-25	-16.67	-70.41	-46.01	8.51	12.85	H	Pass

<b>Band :</b>	LTE Band 7					<b>Temperature :</b>	21~24°C		
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0					<b>Relative Humidity :</b>	44~48%		
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu					<b>Polarization :</b>	Vertical		
<b>Remark :</b>	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
5010	-52.23	-25	-27.23	-70.32	-55.79	6.78	10.34	V	Pass
7512	-42.83	-25	-17.83	-69.94	-45.87	9.22	12.26	V	Pass
10020	-42.05	-25	-17.05	-69.8	-46.39	8.51	12.85	V	Pass



<Middle Channel>

<b>Band :</b>	LTE Band 7	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Horizontal						
<b>Remark :</b>	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
5076	-51.51	-25	-26.51	-69.67	-55	6.86	10.35	H	Pass
7614	-43.49	-25	-18.49	-70.18	-46.38	9.34	12.23	H	Pass
10152	-40.92	-25	-15.92	-69.76	-45.02	8.64	12.74	H	Pass

<b>Band :</b>	LTE Band 4	<b>Temperature :</b>	21~24°C						
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0	<b>Relative Humidity :</b>	44~48%						
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu	<b>Polarization :</b>	Vertical						
<b>Remark :</b>	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
5076	-51.02	-25	-26.02	-69.43	-54.51	6.86	10.35	V	Pass
7614	-43.12	-25	-18.12	-69.54	-46.01	9.34	12.23	V	Pass
10152	-42.25	-25	-17.25	-70.21	-46.35	8.64	12.74	V	Pass



<High Channel>

<b>Band :</b>	LTE Band 7						<b>Temperature :</b>	21~24°C	
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%	
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Horizontal	
<b>Remark :</b>	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
5142	-51.62	-25	-26.62	-70.2	-55.15	6.9	10.43	H	Pass
7710	-42.56	-25	-17.56	-68.43	-45.49	9.39	12.32	H	Pass
10278	-41.08	-25	-16.08	-70.22	-45.22	8.71	12.85	H	Pass

<b>Band :</b>	LTE Band 7						<b>Temperature :</b>	21~24°C	
<b>Test Mode :</b>	5MHz QPSK RB Size 1 Offset 0						<b>Relative Humidity :</b>	44~48%	
<b>Test Engineer :</b>	Kai Wang, Stan Hsieh and Ken Wu						<b>Polarization :</b>	Vertical	
<b>Remark :</b>	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
5142	-50.94	-25	-25.94	-69.46	-54.47	6.9	10.43	V	Pass
7710	-43.69	-25	-18.69	-69.38	-46.62	9.39	12.32	V	Pass
10278	-41.96	-25	-16.96	-70	-46.1	8.71	12.85	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.

### 3.8.2 Measuring Instruments

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

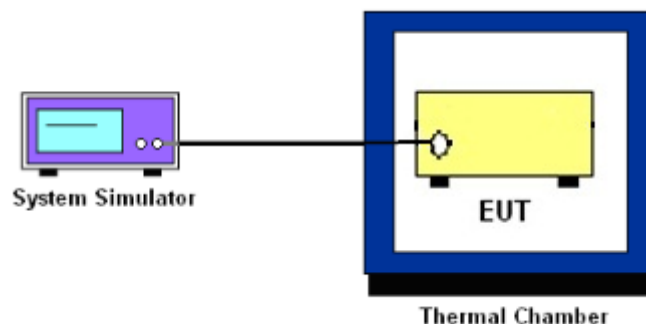
### 3.8.3 Test Procedures for Temperature Variation

1. The measurement procedures was followed in the §2.1055 and KDB 971168 Section 9.0.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . 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 measurement procedures was followed in the §2.1055 and KDB 971168 Section 9.0
2. The EUT was placed in a temperature chamber at  $25\pm 5^{\circ}\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

### 3.8.5 Test Setup





3.8.6 Test Result of Temperature Variation (FCC)

Band :	LTE Band 2 (QPSK)	Limit (ppm) :	Note
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0036		PASS
40	0.0016		
30	0.0007		
20(Ref.)	0.0000		
10	0.0006		
0	0.0013		
-10	0.0037		
-20	0.0018		
-30	0.0039		

Band :	LTE Band 4 (QPSK)	Limit (ppm) :	Note
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0009		PASS
40	0.0003		
30	0.0016		
20(Ref.)	0.0000		
10	0.0007		
0	0.0031		
-10	0.0035		
-20	0.0029		
-30	0.0006		

Note: The frequency fundamental emissions stay within the authorized frequency block from the derivation based on the frequency deviations measured on the center channel are small.



Band :	LTE Band 13 (QPSK)	Limit (ppm) :	Note
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0003		PASS
40	0.0000		
30	0.0017		
20(Ref.)	0.0000		
10	0.0029		
0	0.0044		
-10	0.0012		
-20	0.0023		
-30	0.0020		

Band :	LTE Band 7 (QPSK)	Limit (ppm) :	Note
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0014		PASS
40	0.0012		
30	0.0004		
20(Ref.)	0.0000		
10	0.0037		
0	0.0028		
-10	0.0026		
-20	0.0035		
-30	0.0030		

Note: The frequency fundamental emissions stay within the authorized frequency block from the derivation based on the frequency deviations measured on the center channel are small.



3.8.7 Test Result of Voltage Variation (FCC)

Band	Bandwidth	Voltage (Volt)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 2	10M	4.35	0.0011	Within authorized frequency band	PASS
		Normal	0.0001		
		3.40	0.0008		
LTE Band 4	10M	4.35	0.0017		
		Normal	0.0059		
		3.40	0.0004		
LTE Band 13	10M	4.35	0.0005		
		Normal	0.0047		
		3.40	0.0041		
LTE Band 7	10M	4.35	0.0015		
		Normal	0.0004		
		3.40	0.0035		

Remark:

1. Normal Voltage = 3.90V.
2. The manufacturer declared that the EUT could work properly between voltage 3.40V ~ 4.35V.
3. Note: The frequency fundamental emissions stay within the authorized frequency block from the derivation based on the frequency deviations measured on the center channel are small.