3.6 Conducted Spurious Emission Measurement

3.6.1 Description of Conducted Spurious Emission Measurement

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

For Band 7

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

It is measured by means of a calibrated spectrum analyzer and scanned from 30MHz up to a frequency including its 10^{th} harmonic.

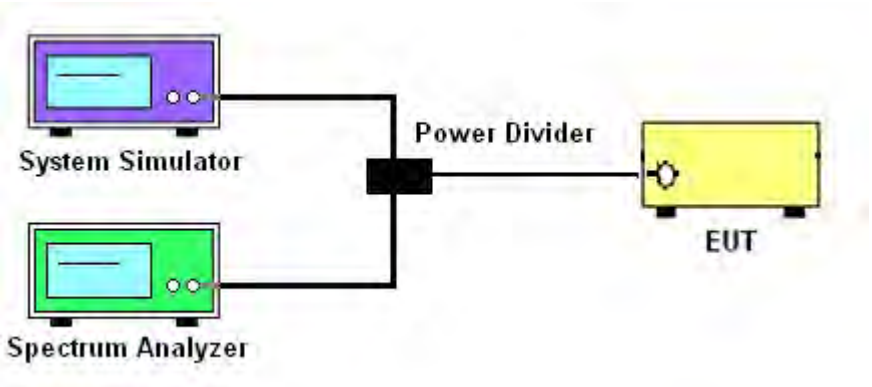
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
   = -13dBm.
   <For Band 7>
   The limit line is derived from 55+ 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [55 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)
   = -25dBm.

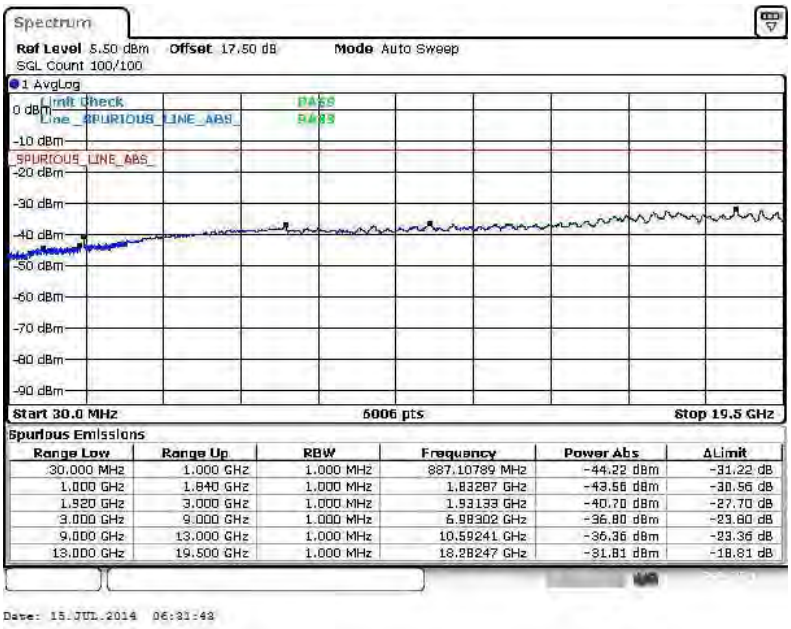
3.6.4 Test Setup



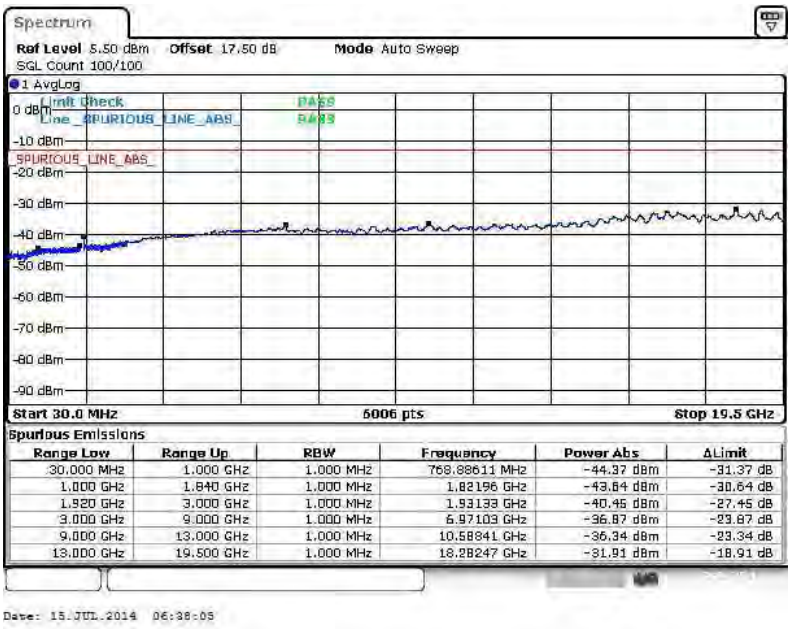
3.6.5 Test Result (Plots) of Conducted Spurious Emission

Band :	LTE Band 2	Channel :	CH18607 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

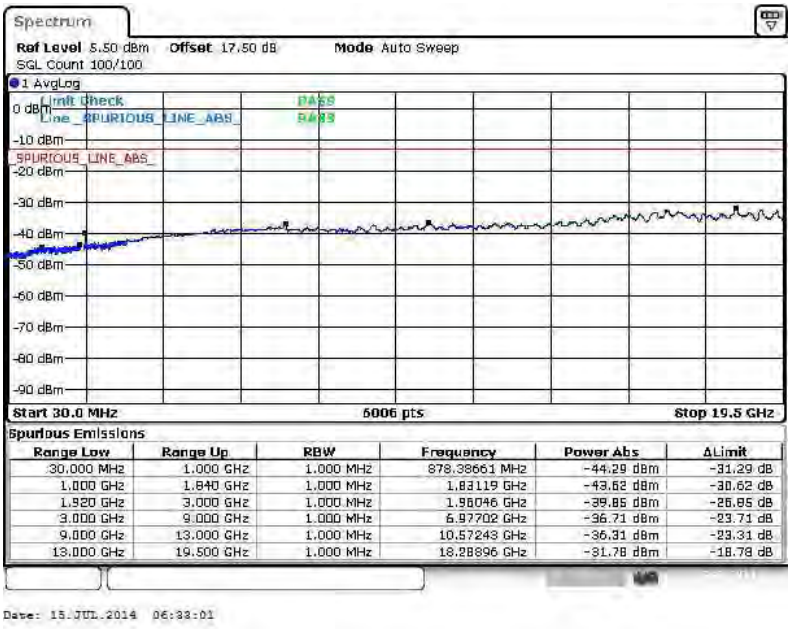


16QAM (RB Size 1, RB Offset 0)

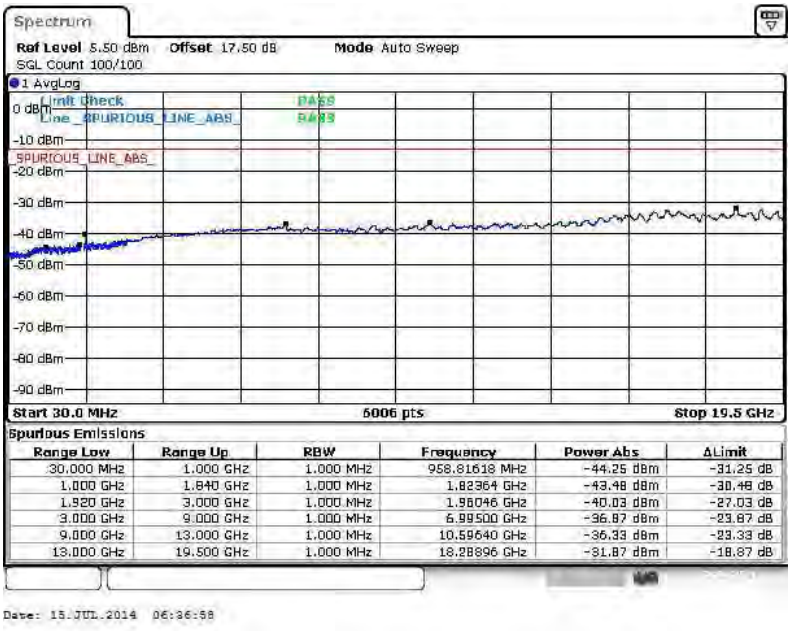


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

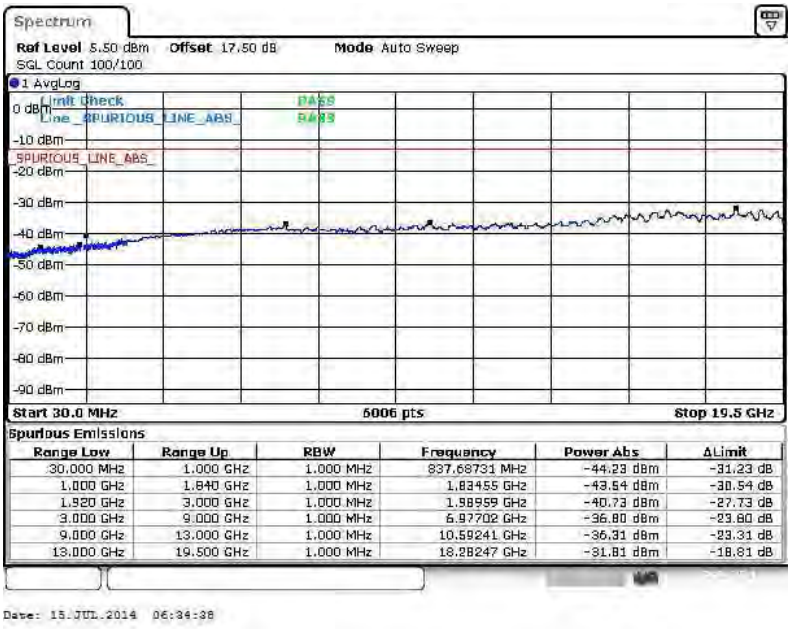


16QAM (RB Size 1, RB Offset 0)

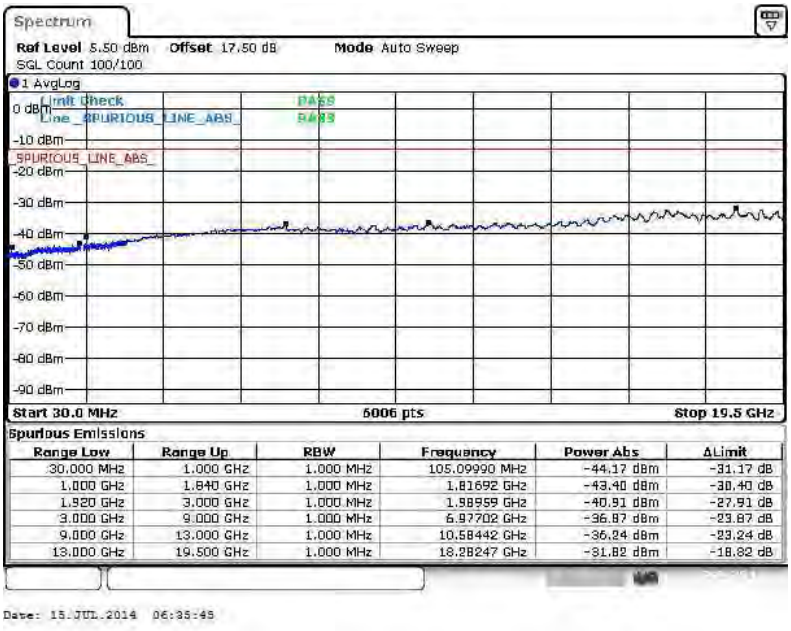


Band :	LTE Band 2	Channel :	CH19193 (High)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

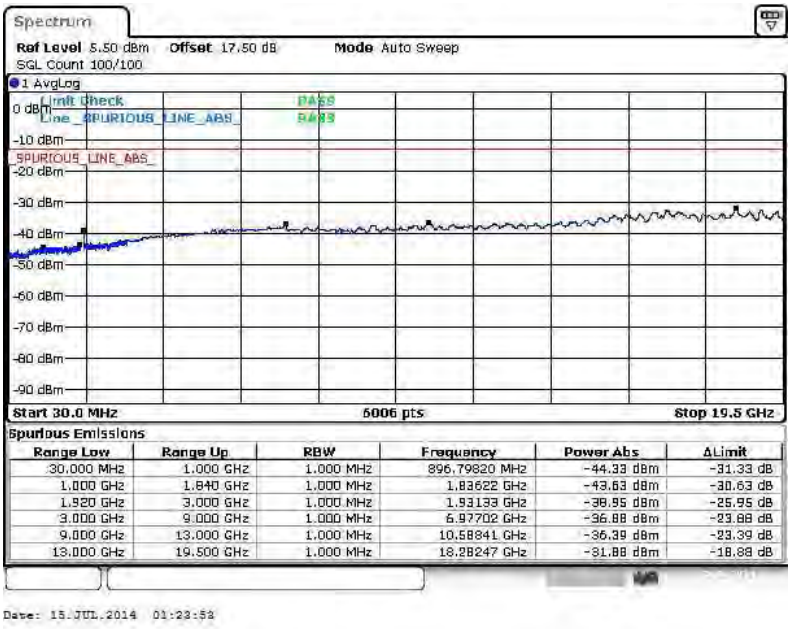


16QAM (RB Size 1, RB Offset 0)

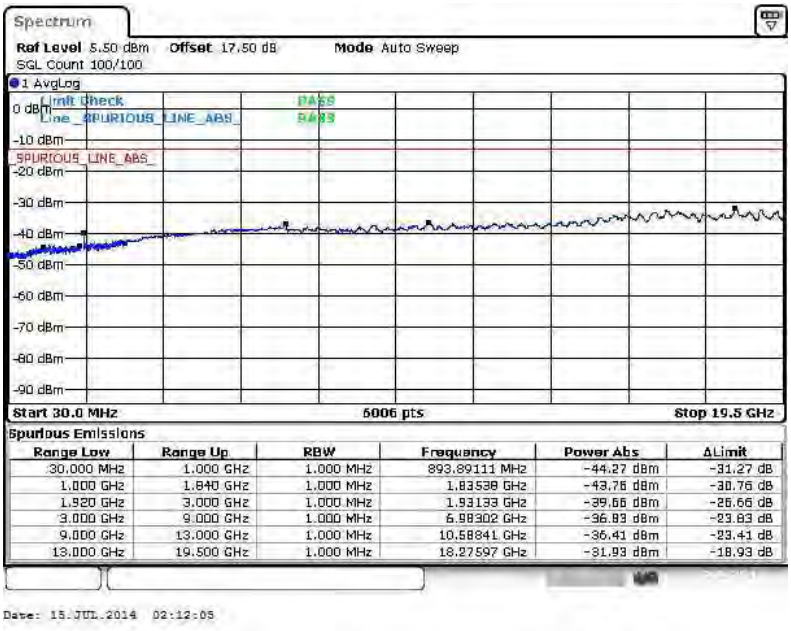


Band :	LTE Band 2	Channel :	CH18615 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

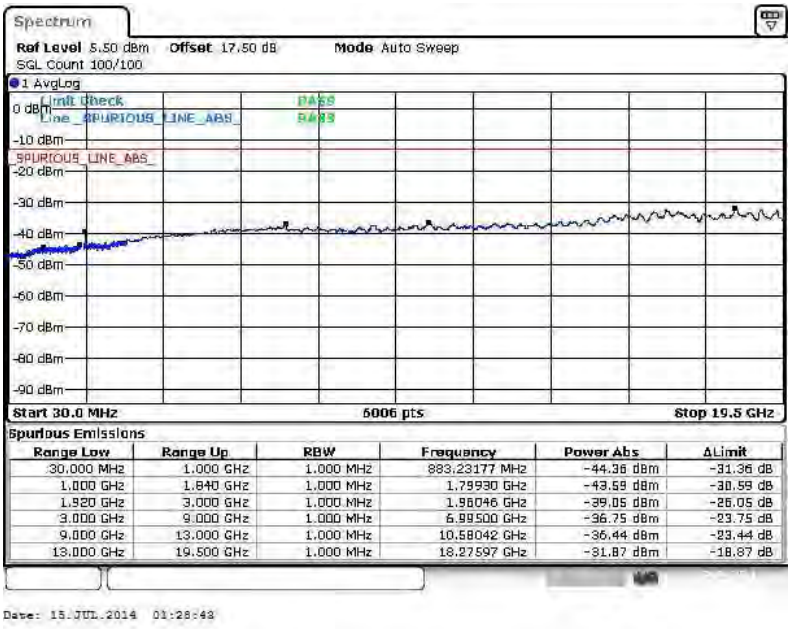


16QAM (RB Size 1, RB Offset 0)

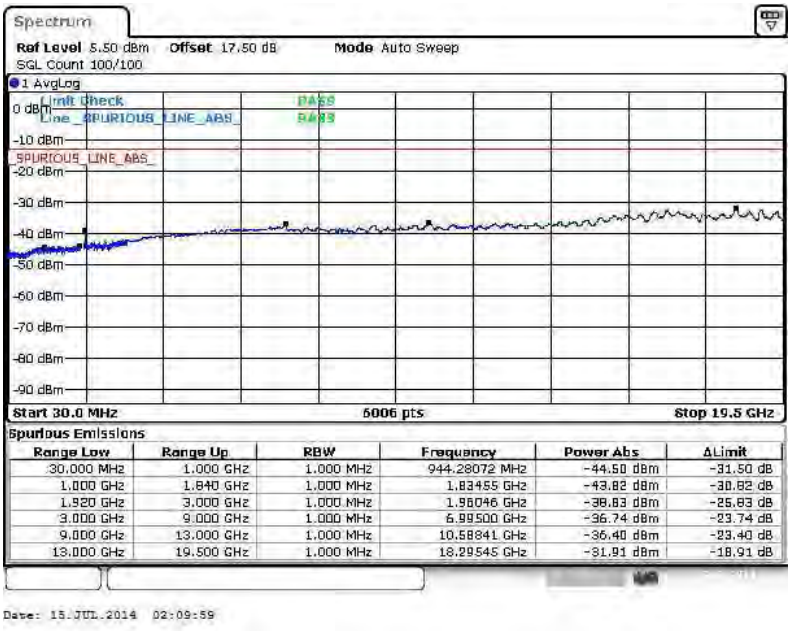


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

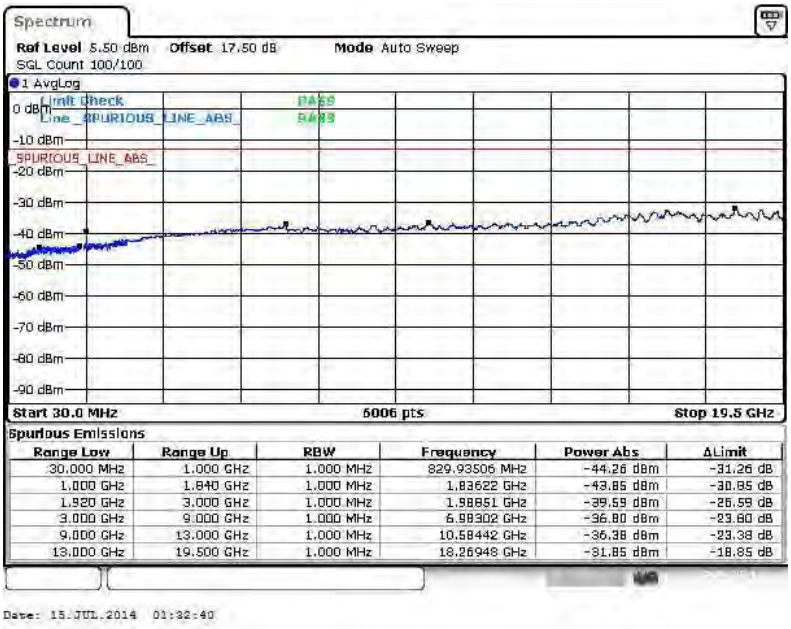


16QAM (RB Size 1, RB Offset 0)

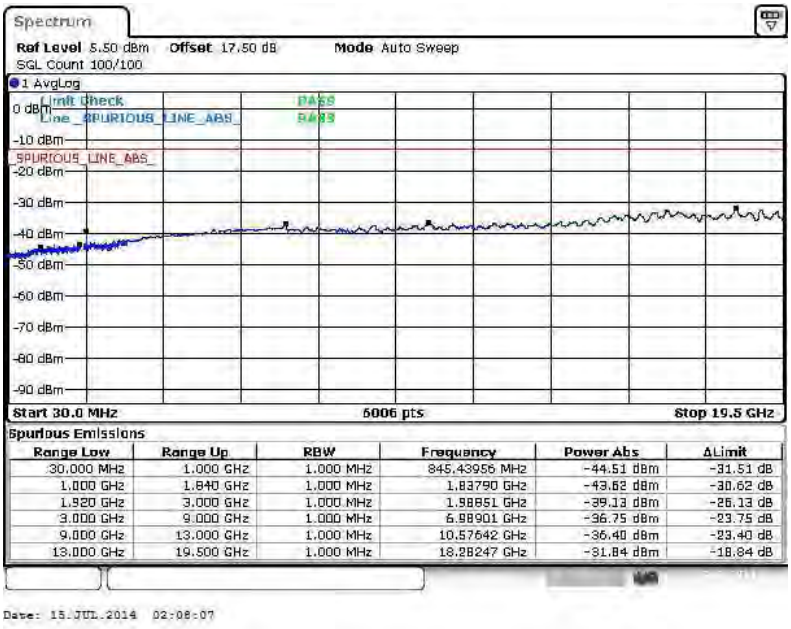


Band :	LTE Band 2	Channel :	CH19185 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

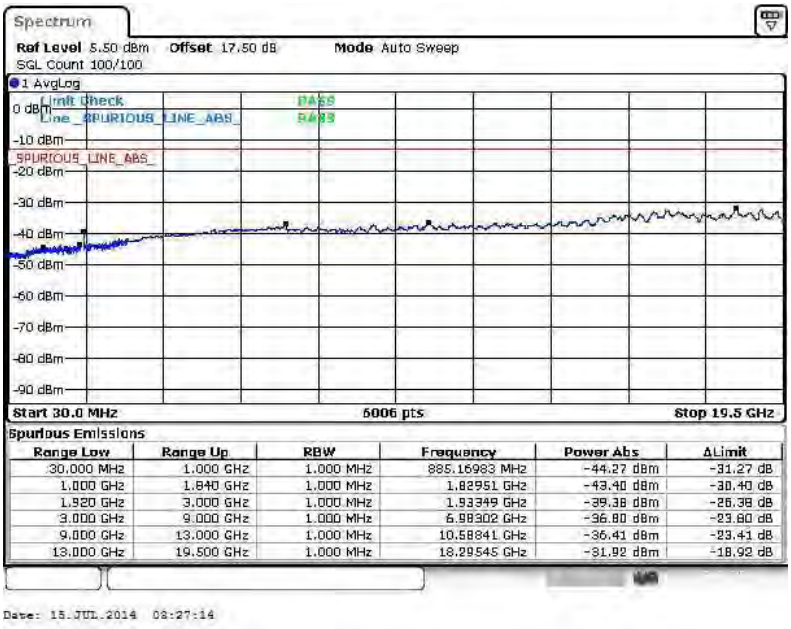


16QAM (RB Size 1, RB Offset 0)

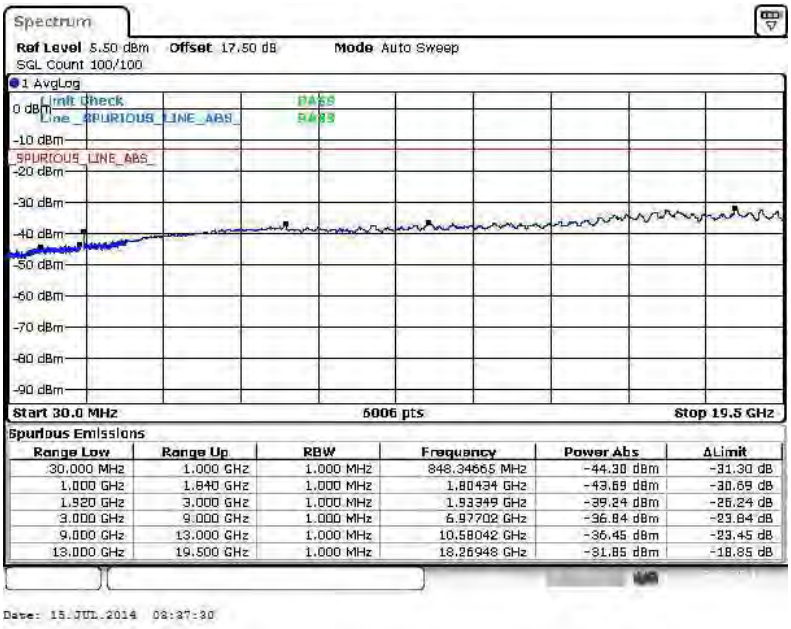


Band :	LTE Band 2	Channel :	CH18625 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

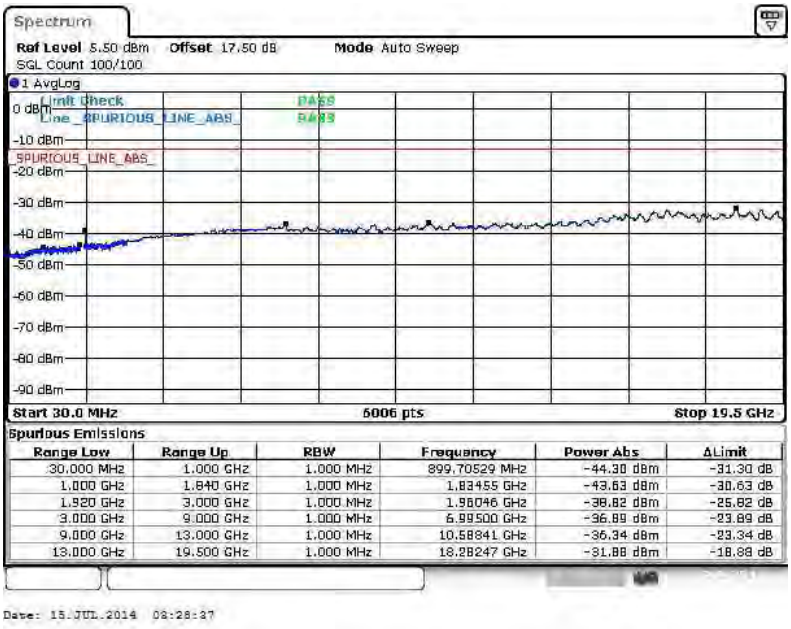


16QAM (RB Size 1, RB Offset 0)

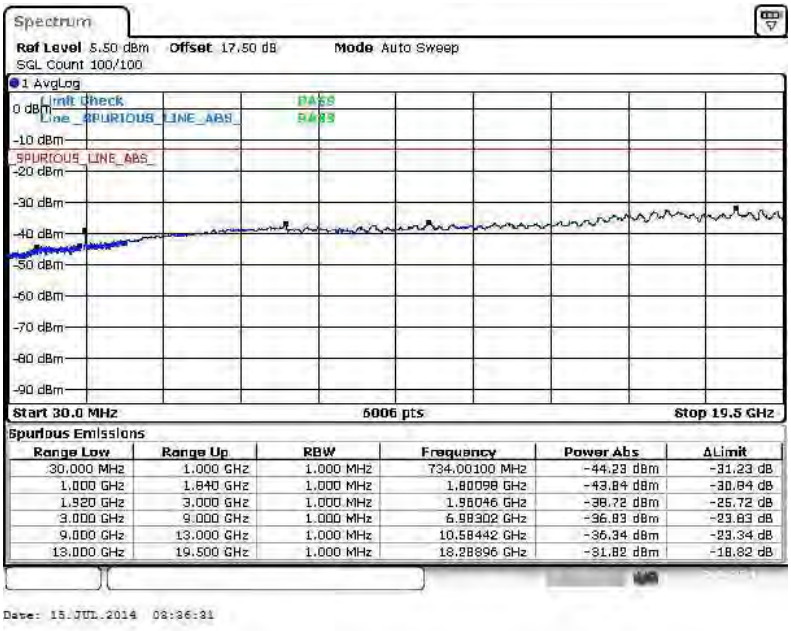


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

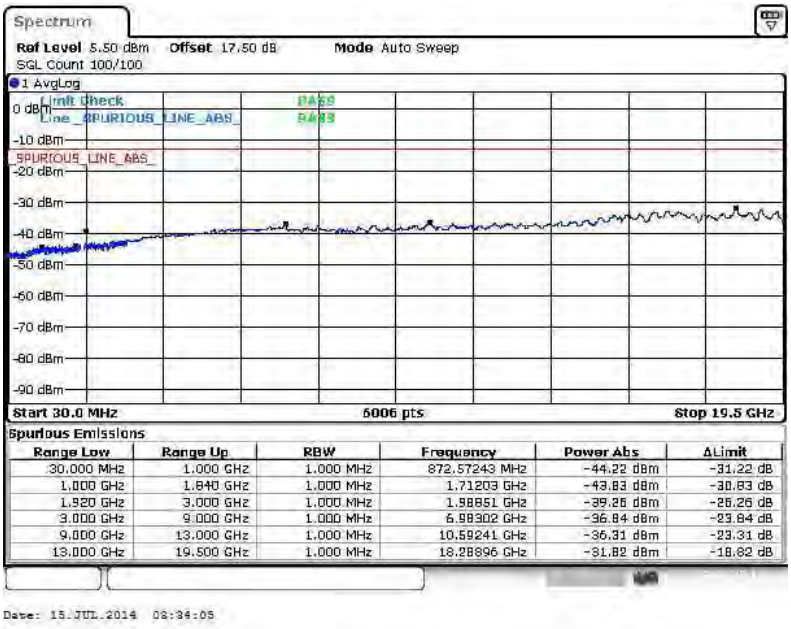


16QAM (RB Size 1, RB Offset 0)

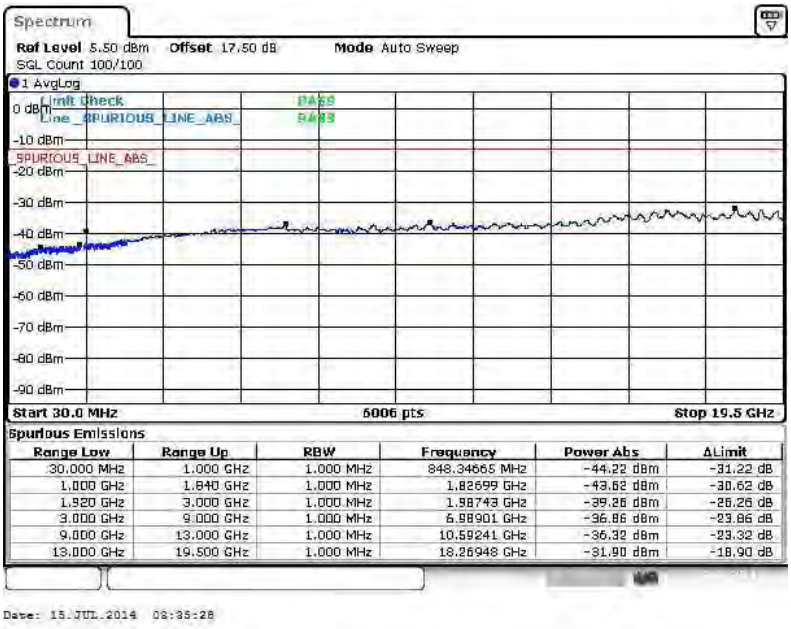


Band :	LTE Band 2	Channel :	CH19175 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

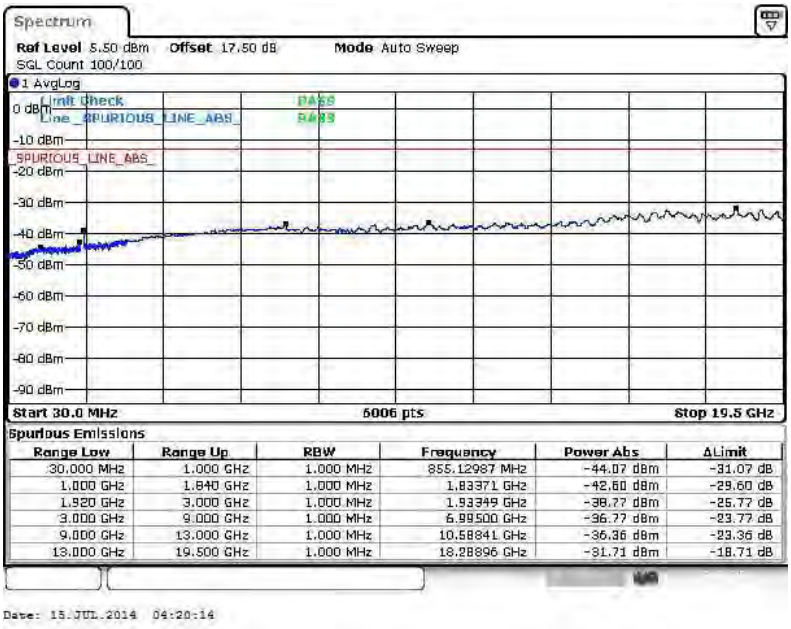


16QAM (RB Size 1, RB Offset 0)

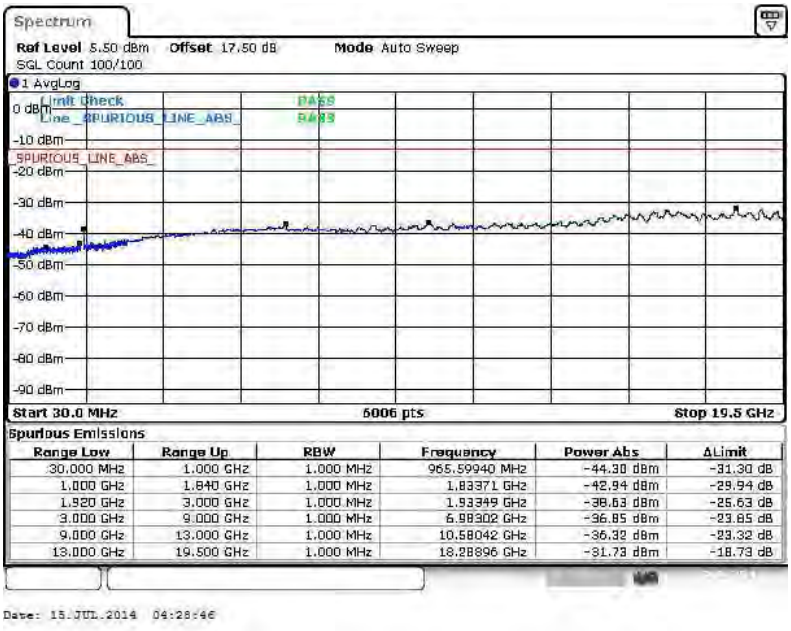


Band :	LTE Band 2	Channel :	CH18650 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

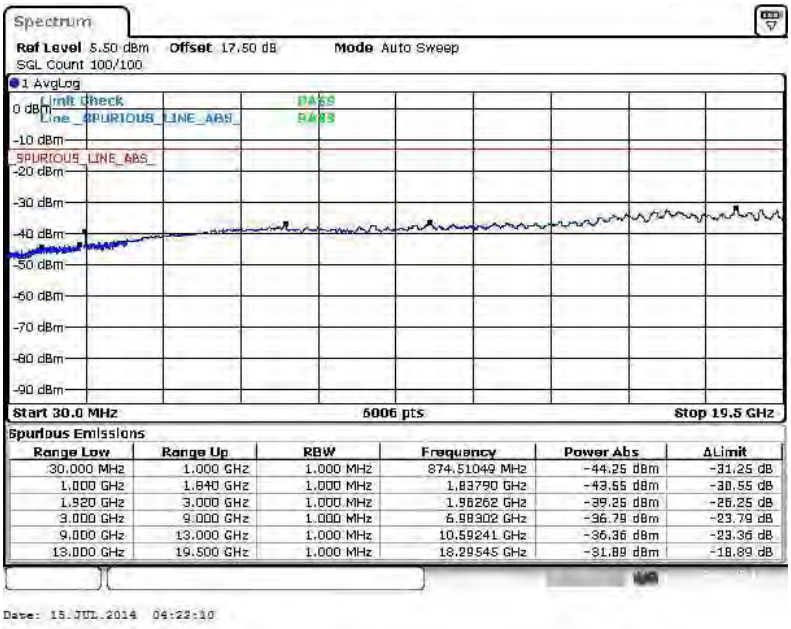


16QAM (RB Size 1, RB Offset 0)

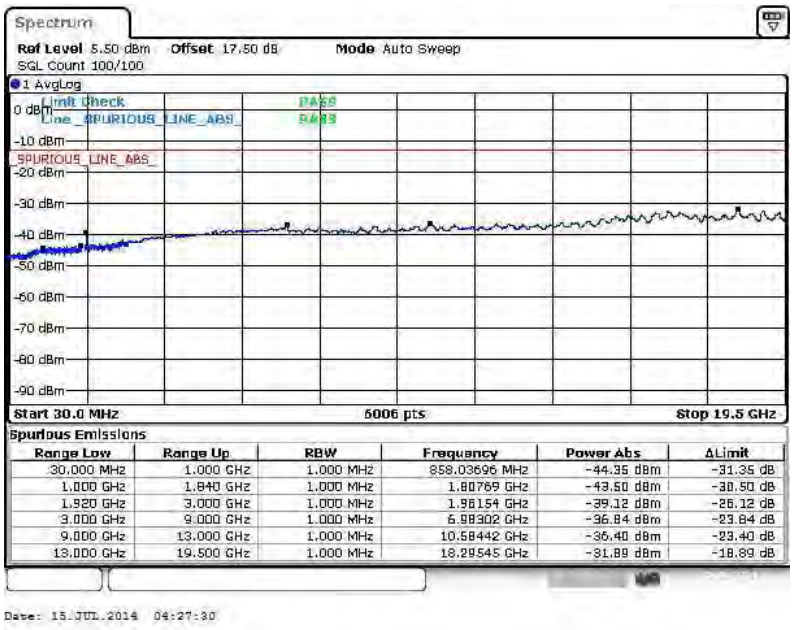


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

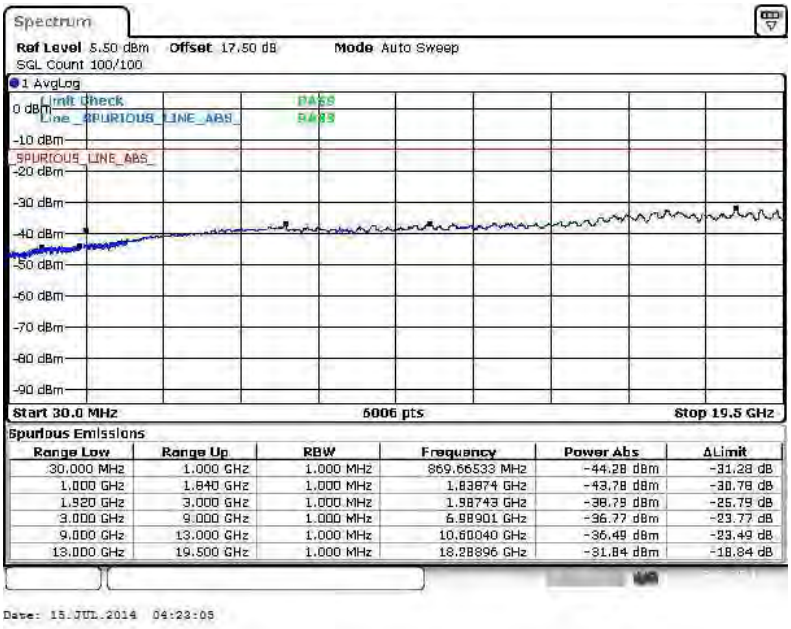


16QAM (RB Size 1, RB Offset 0)

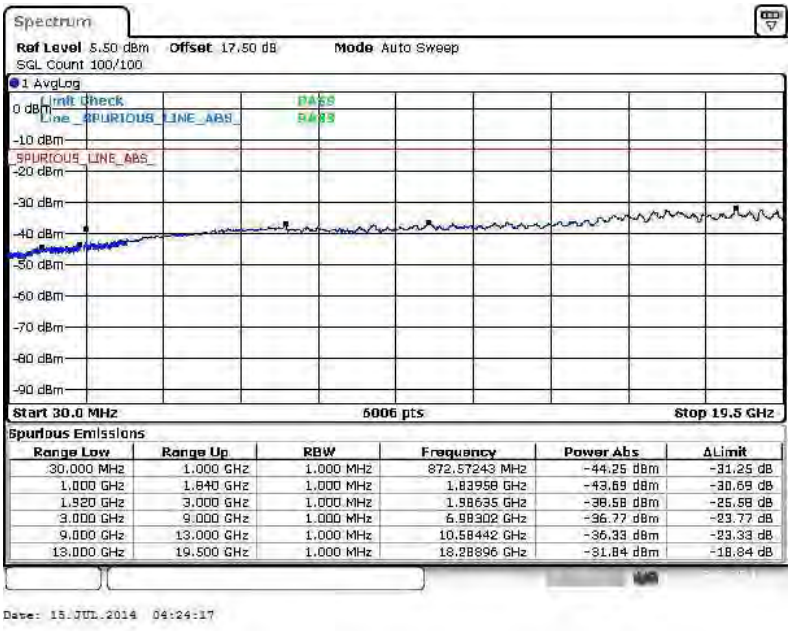


Band :	LTE Band 2	Channel :	CH19150 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

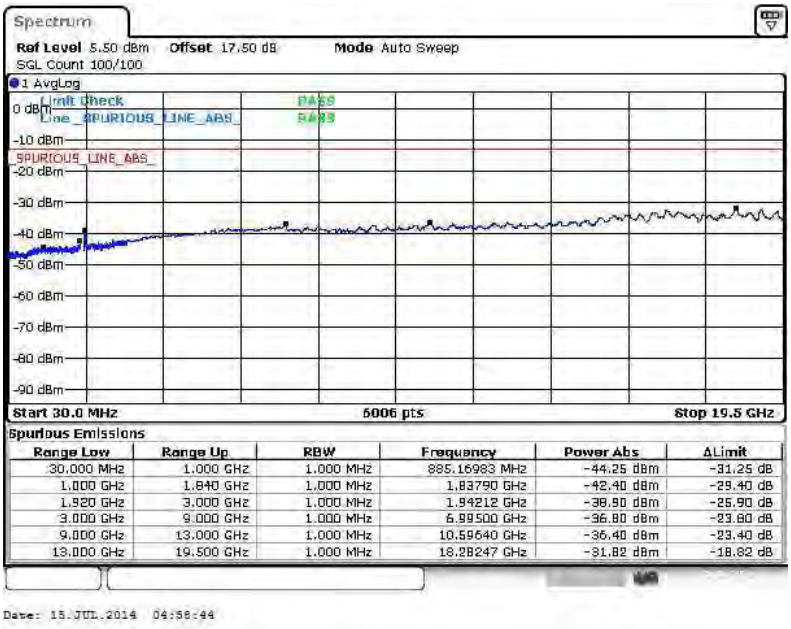


16QAM (RB Size 1, RB Offset 0)

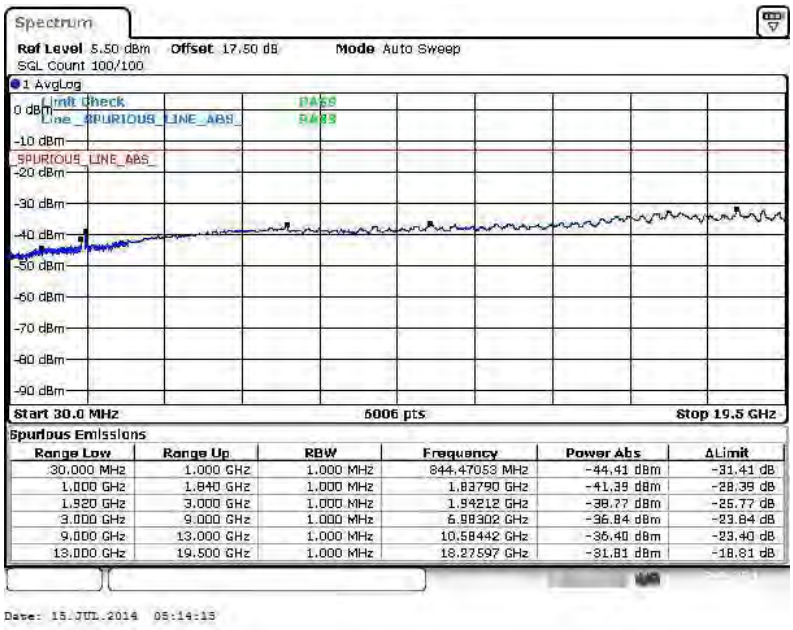


Band :	LTE Band 2	Channel :	CH18675 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

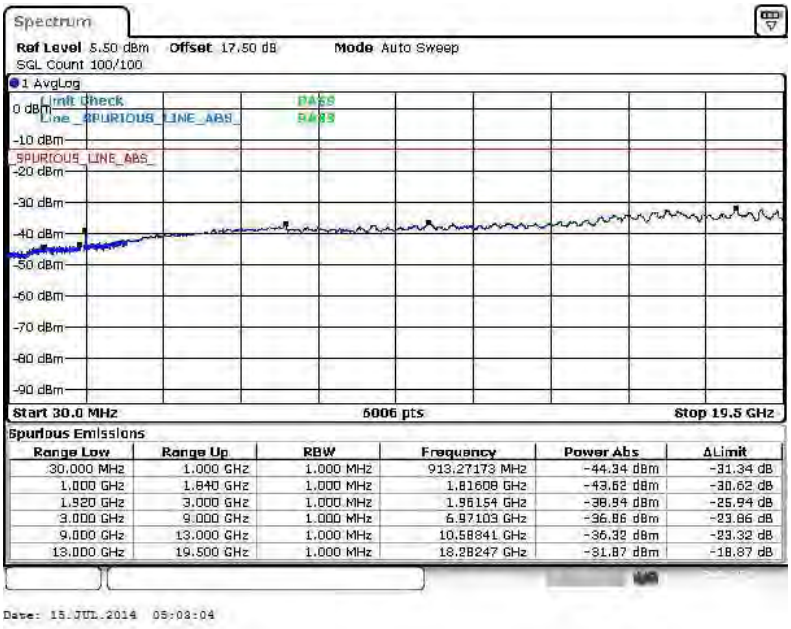


16QAM (RB Size 1, RB Offset 0)

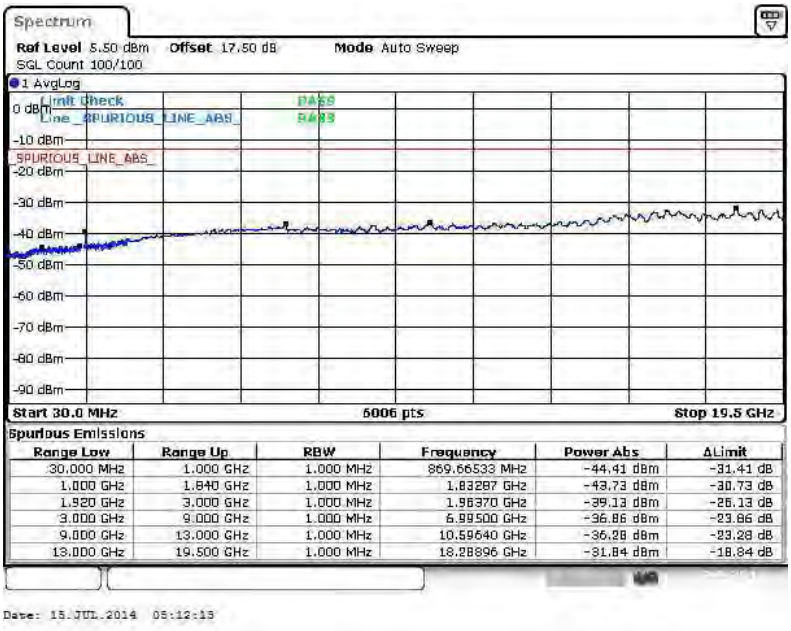


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

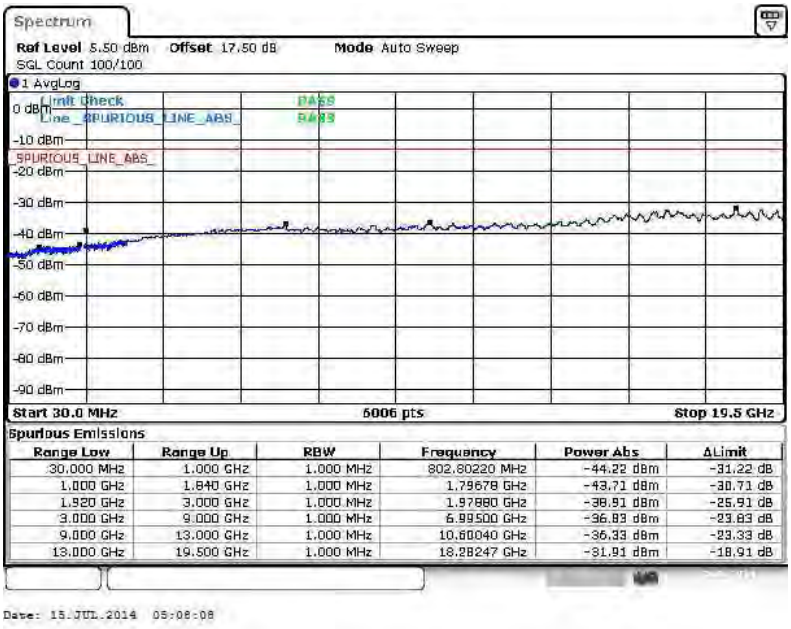


16QAM (RB Size 1, RB Offset 0)

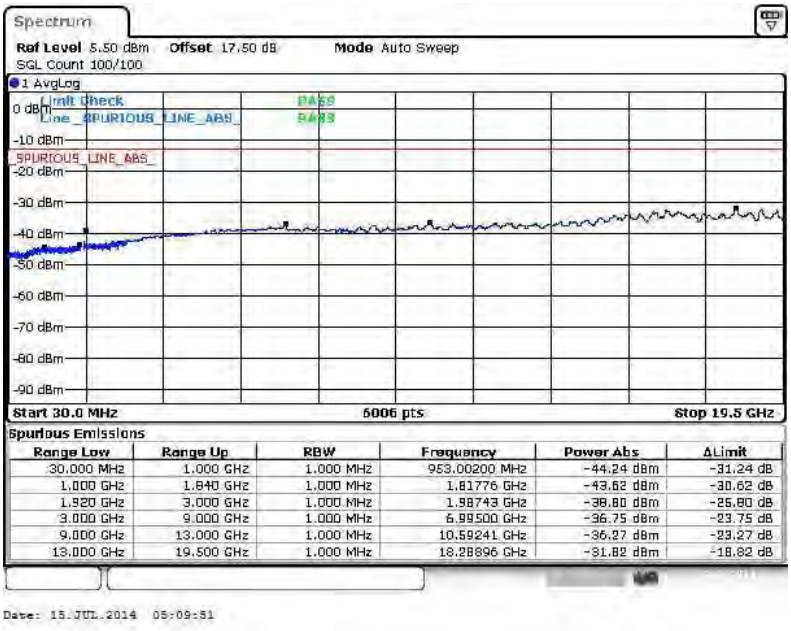


Band :	LTE Band 2	Channel :	CH19125 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

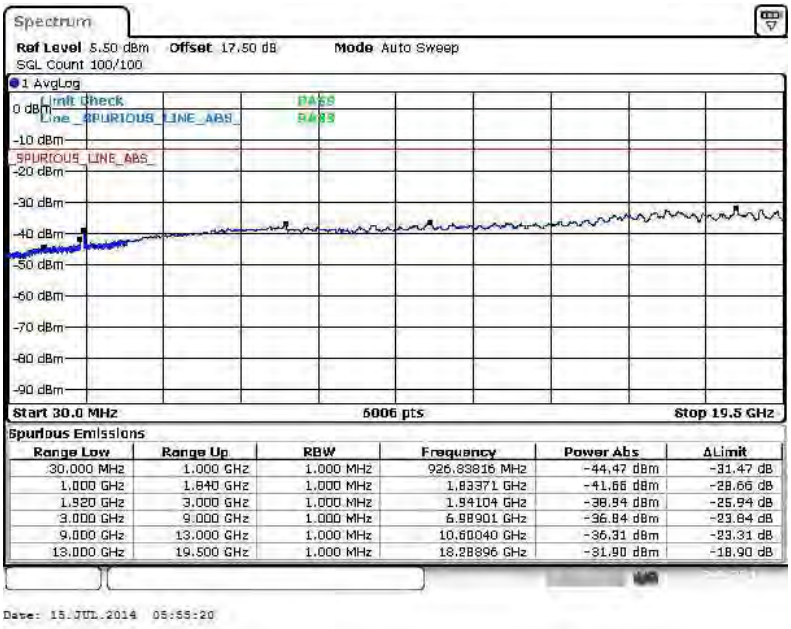


16QAM (RB Size 1, RB Offset 0)

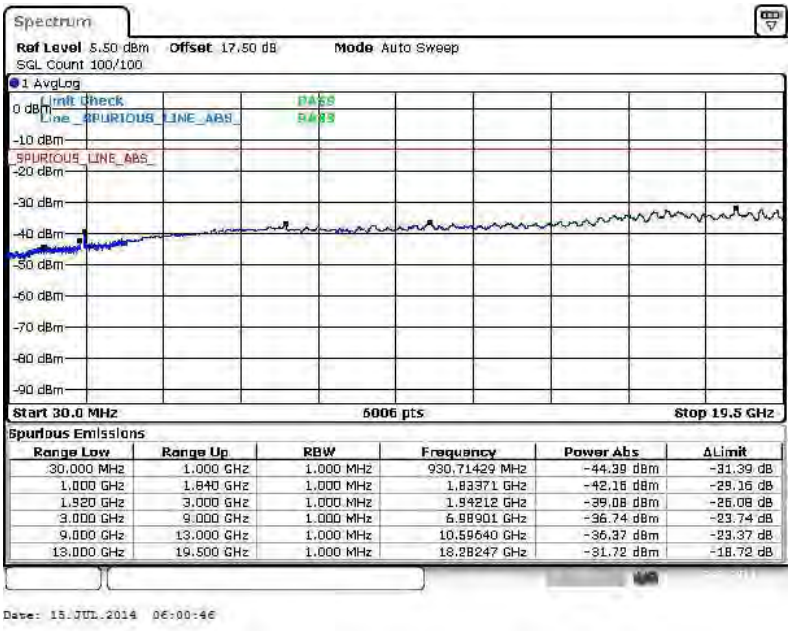


Band :	LTE Band 2	Channel :	CH18700 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

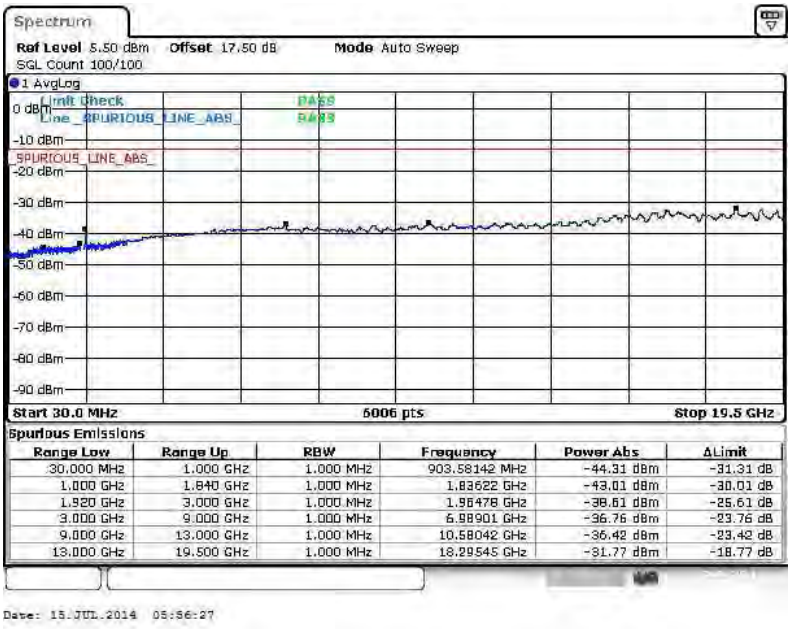


16QAM (RB Size 1, RB Offset 0)

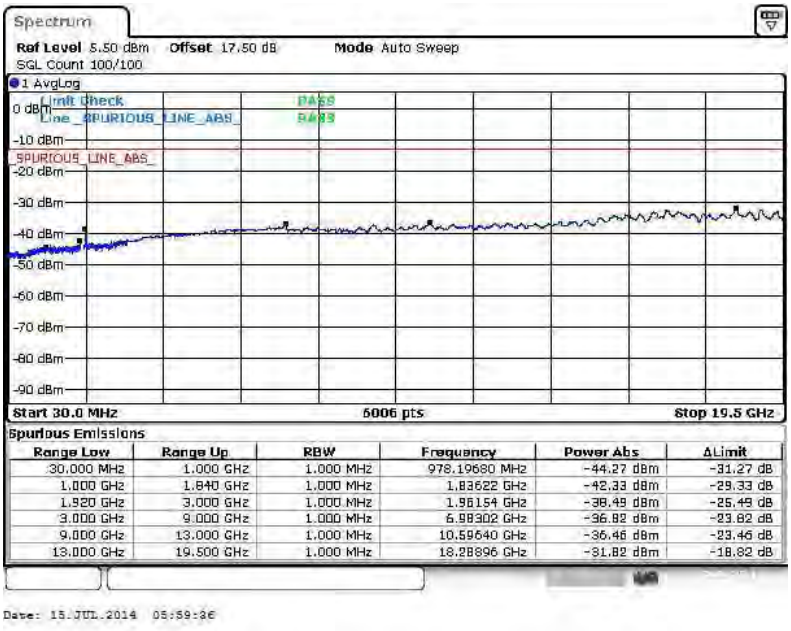


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

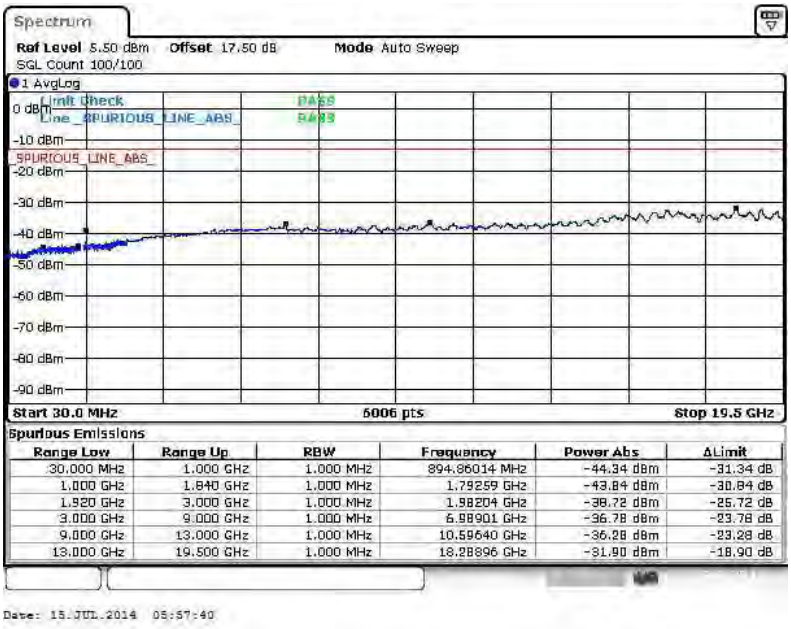


16QAM (RB Size 1, RB Offset 0)

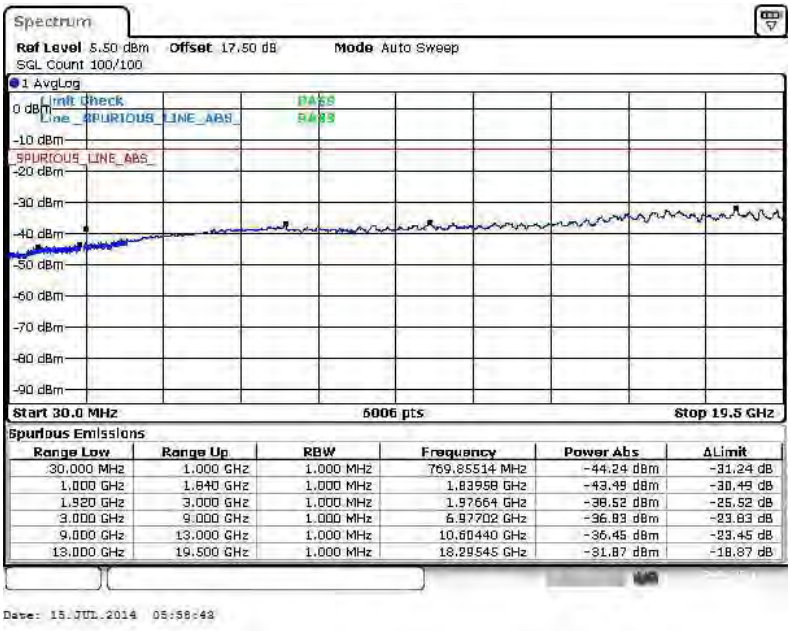


Band :	LTE Band 2	Channel :	CH19100 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

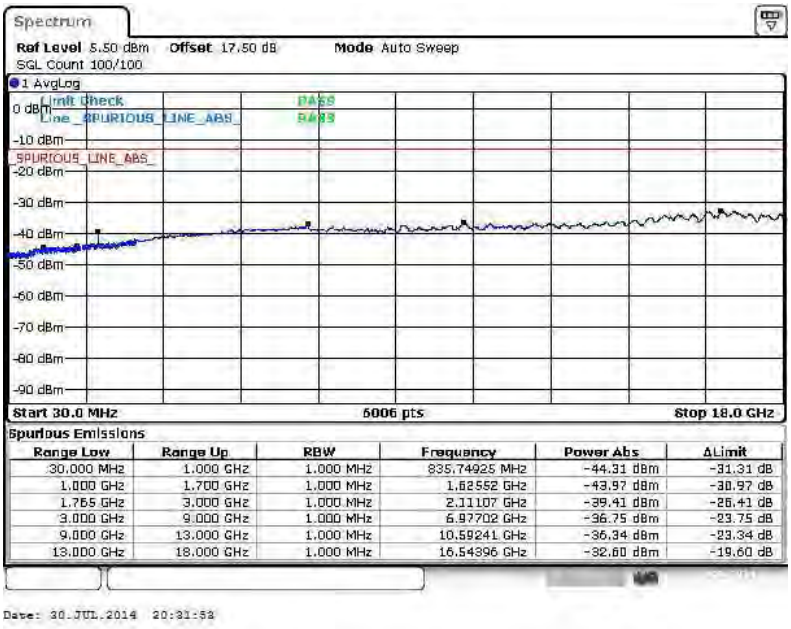


16QAM (RB Size 1, RB Offset 0)

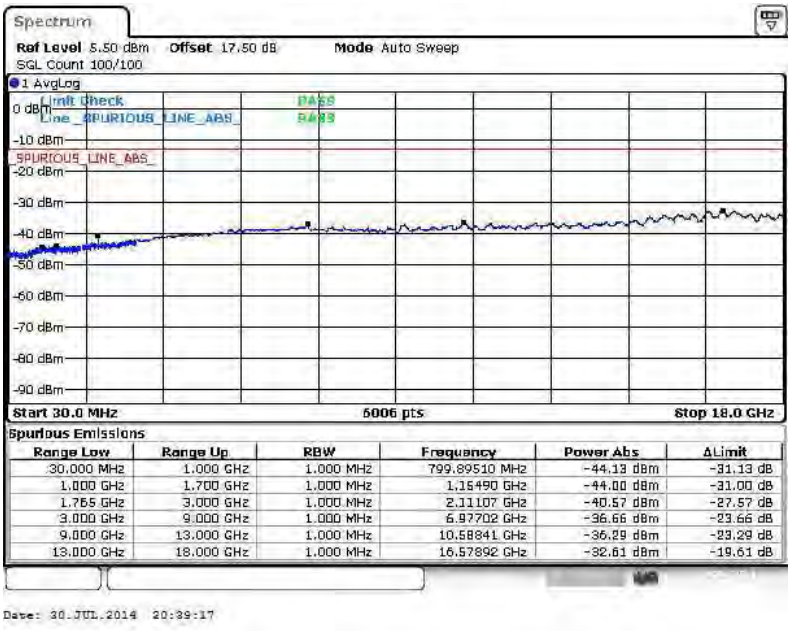


Band :	LTE Band 4	Channel :	CH19957 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

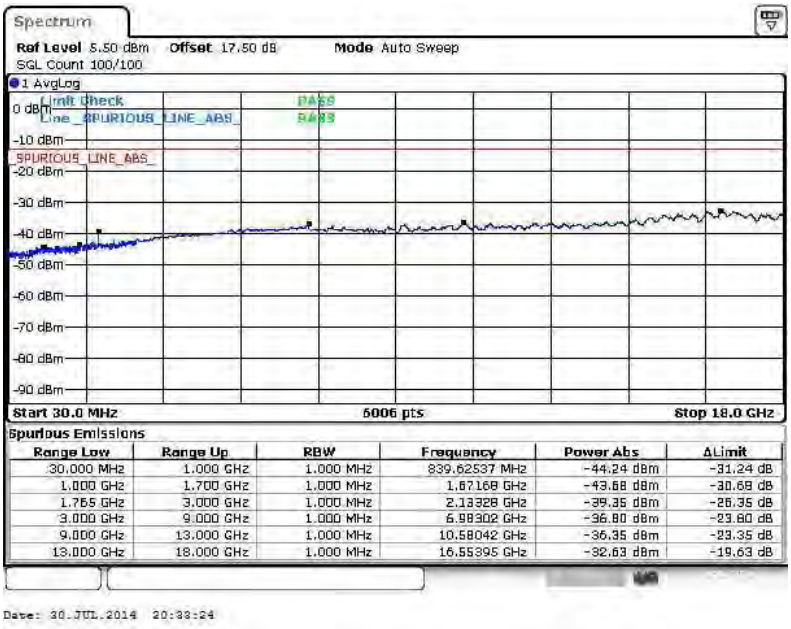


16QAM (RB Size 1, RB Offset 0)

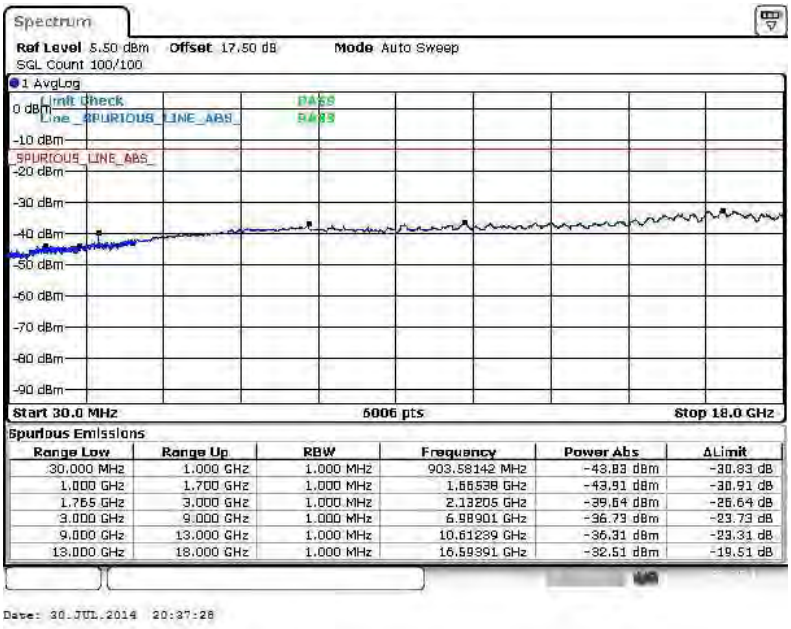


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

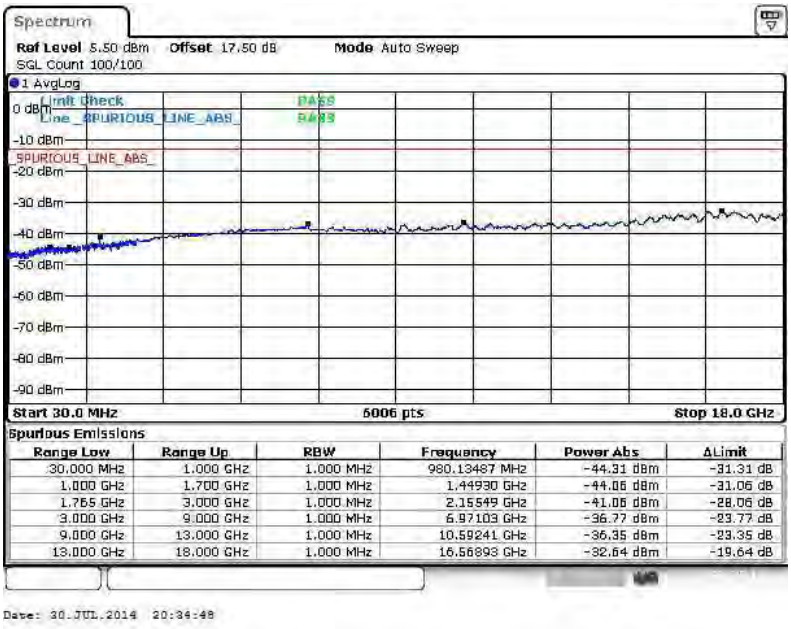


16QAM (RB Size 1, RB Offset 0)

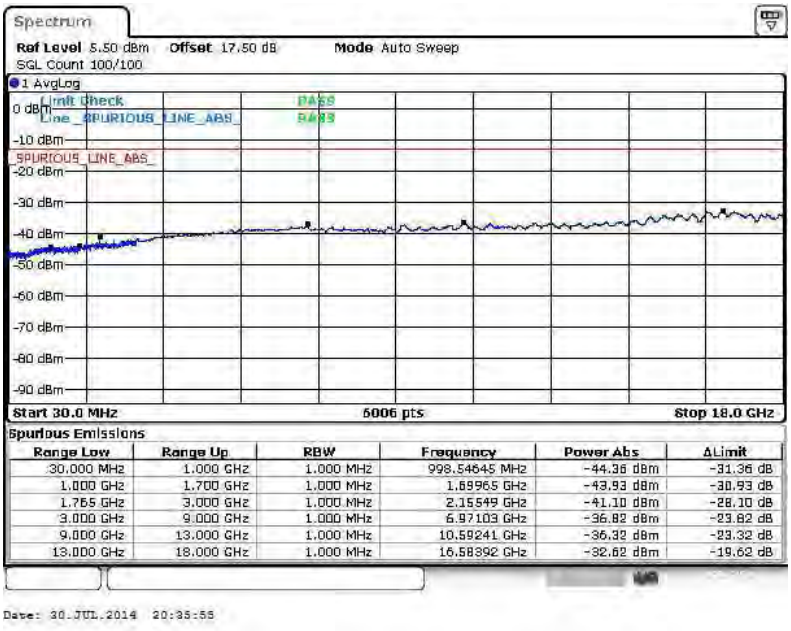


Band :	LTE Band 4	Channel :	CH20393 (High)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

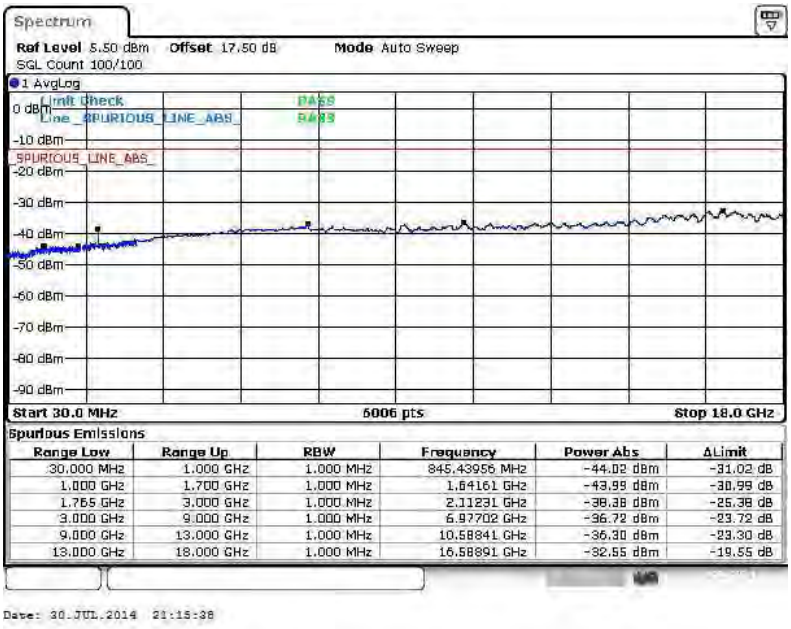


16QAM (RB Size 1, RB Offset 0)

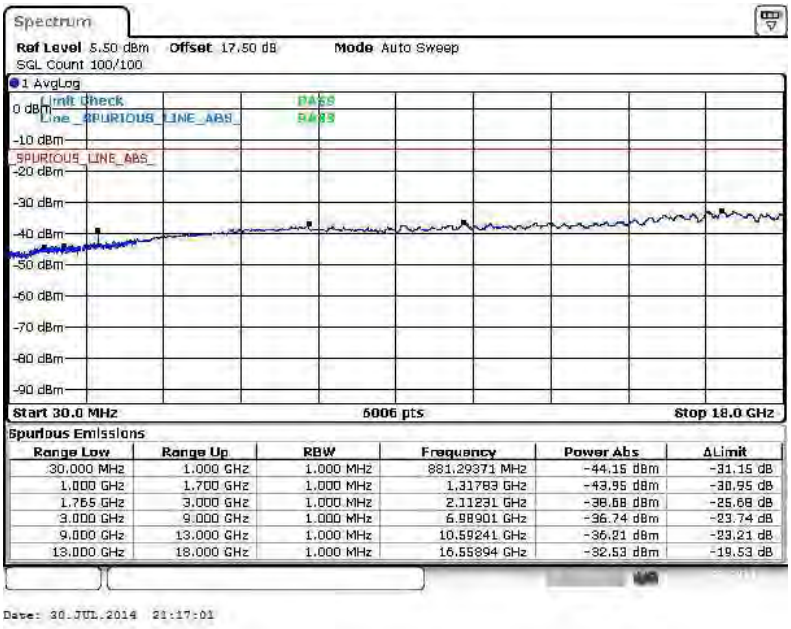


Band :	LTE Band 4	Channel :	CH19965 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

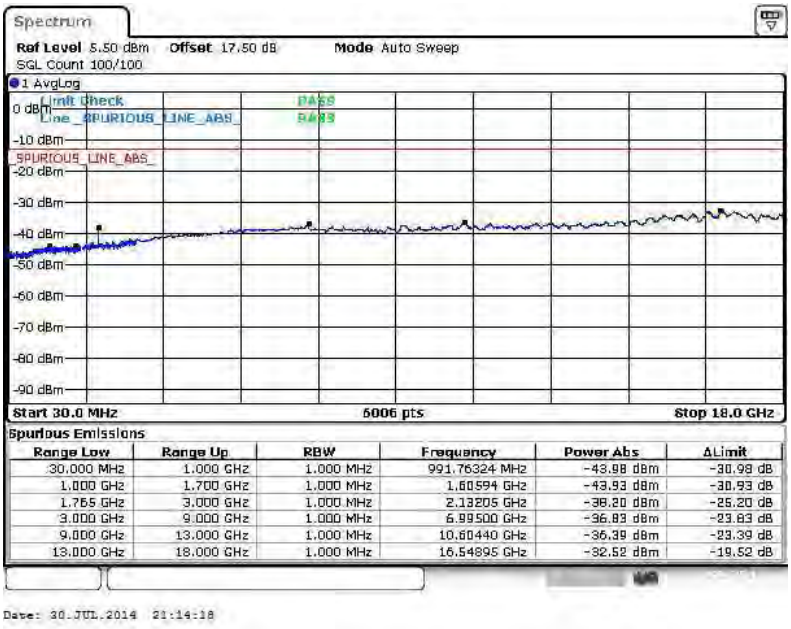


16QAM (RB Size 1, RB Offset 0)

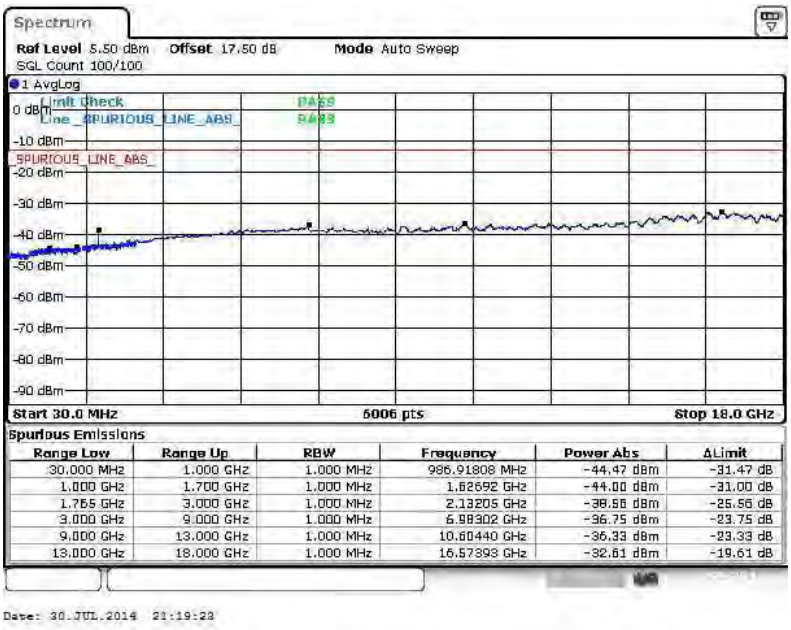


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

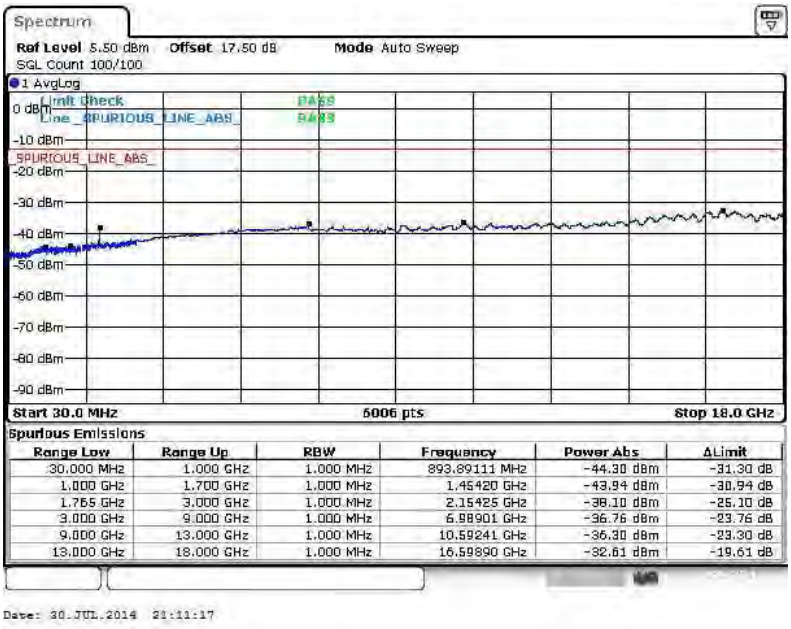


16QAM (RB Size 1, RB Offset 0)

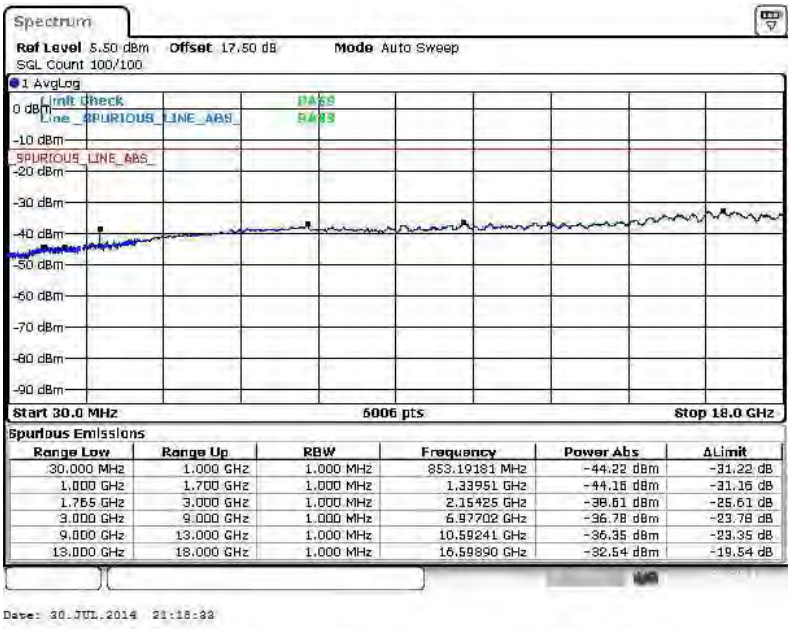


Band :	LTE Band 4	Channel :	CH20385 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

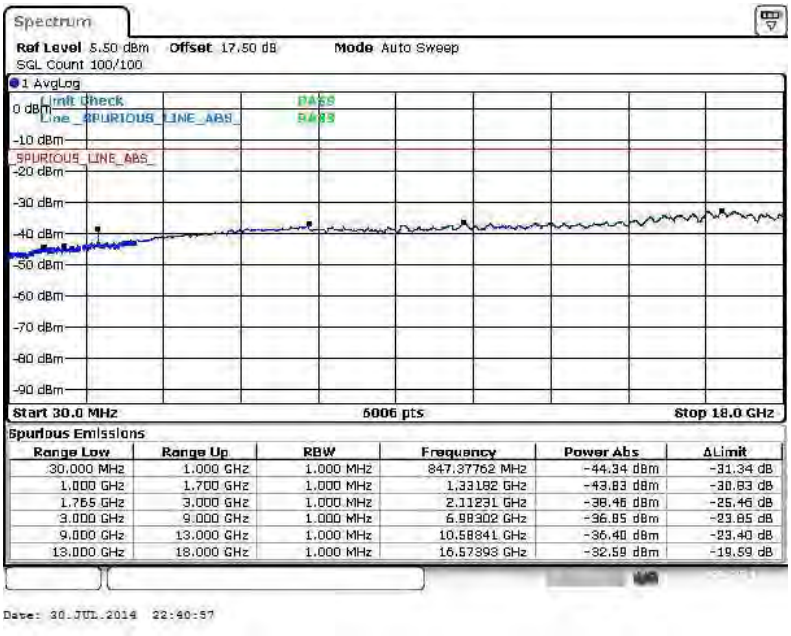


16QAM (RB Size 1, RB Offset 0)

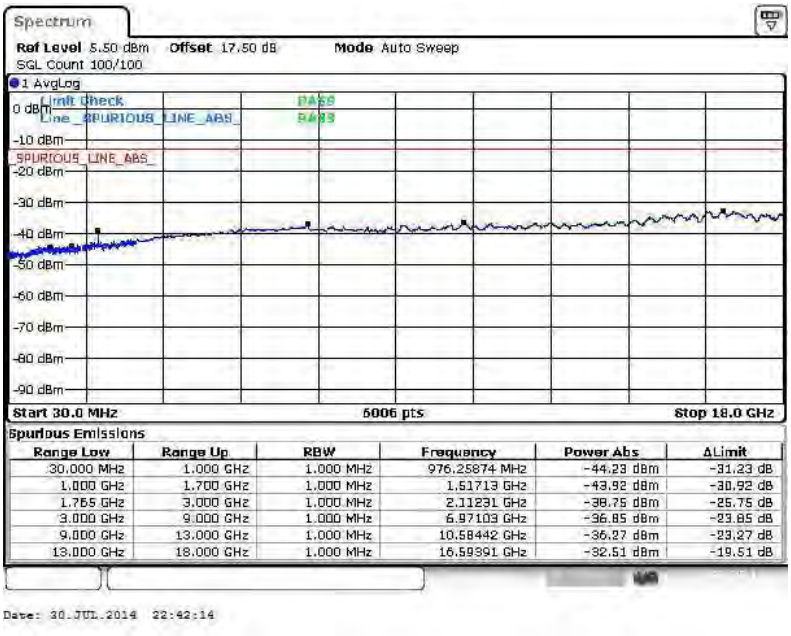


Band :	LTE Band 4	Channel :	CH19975 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

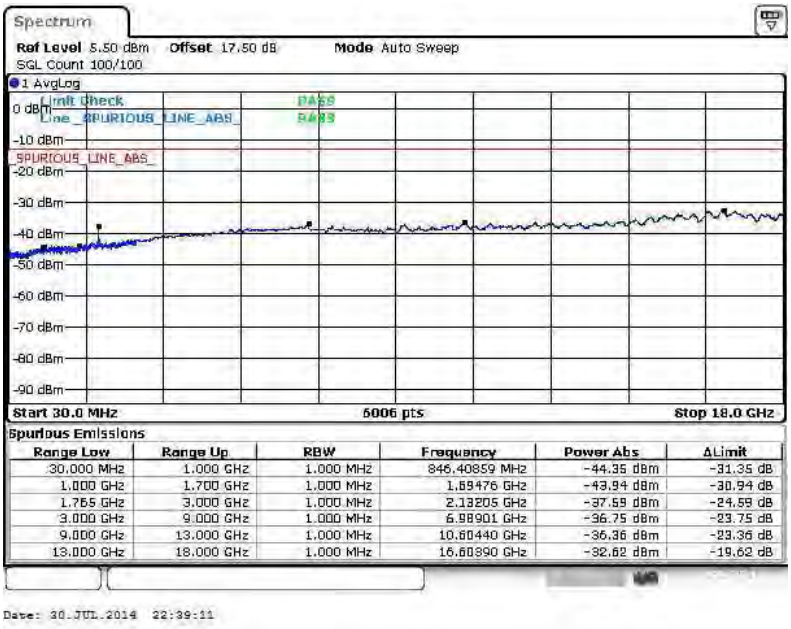


16QAM (RB Size 1, RB Offset 0)

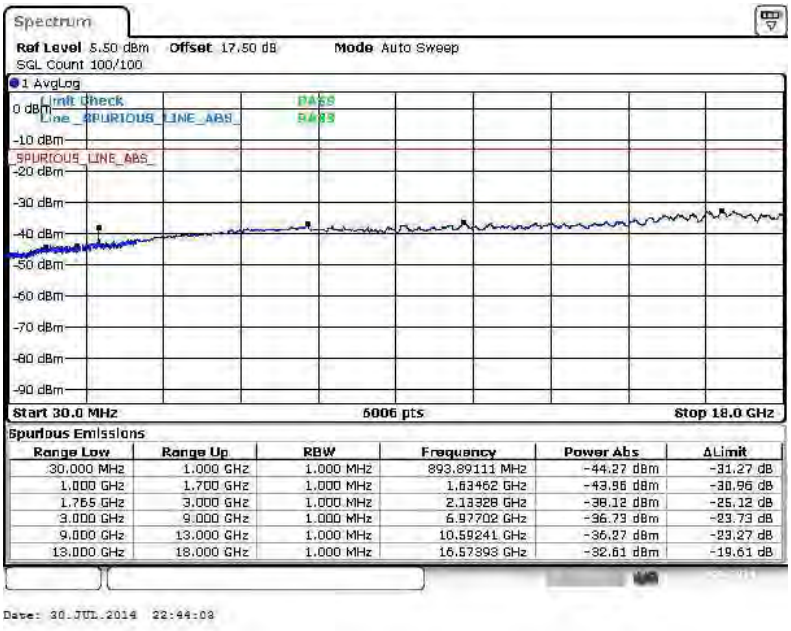


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

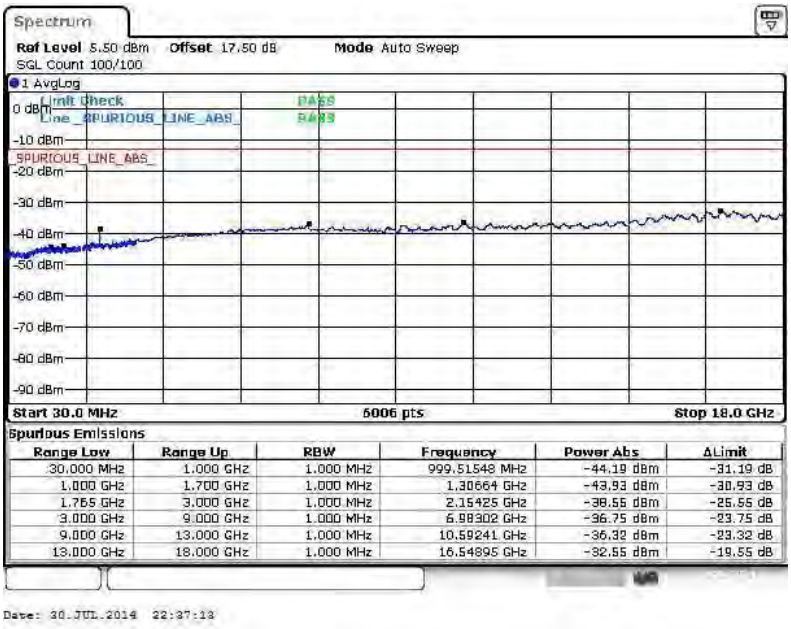


16QAM (RB Size 1, RB Offset 0)

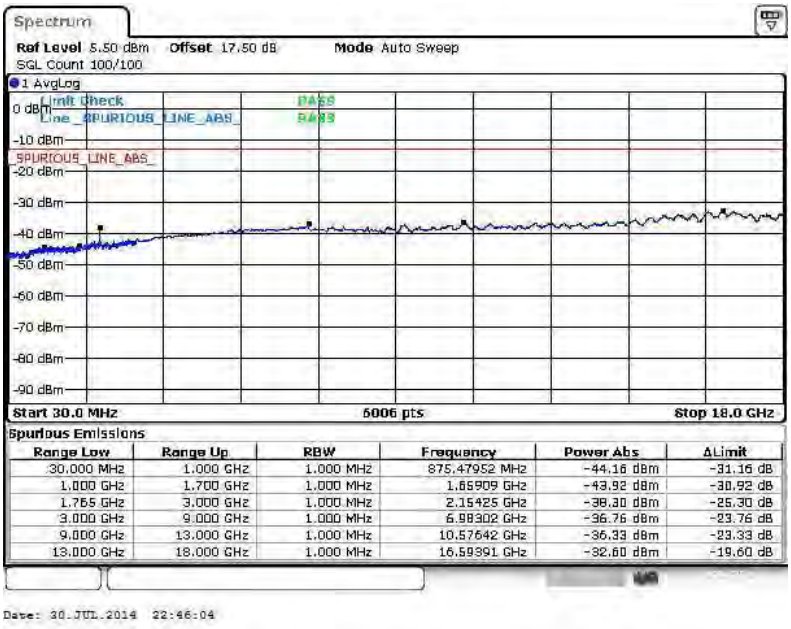


Band :	LTE Band 4	Channel :	CH20375 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

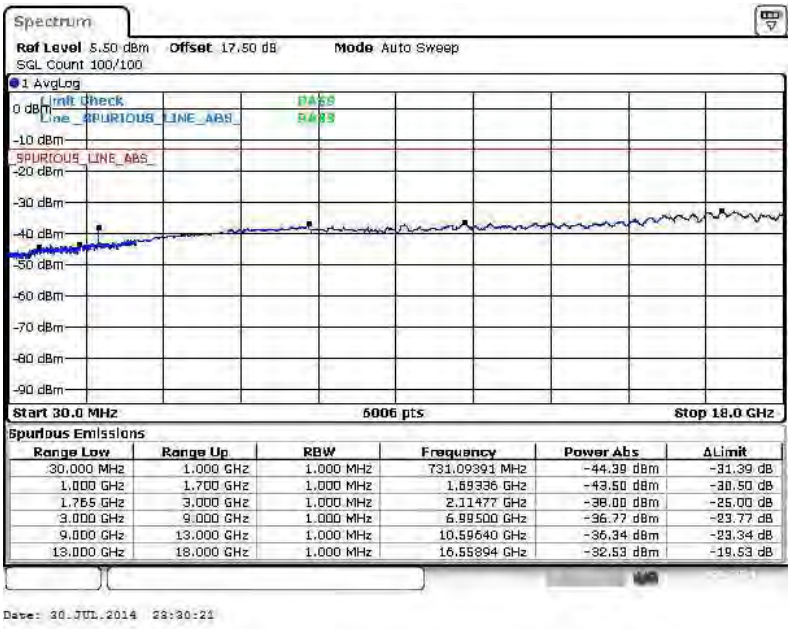


16QAM (RB Size 1, RB Offset 0)

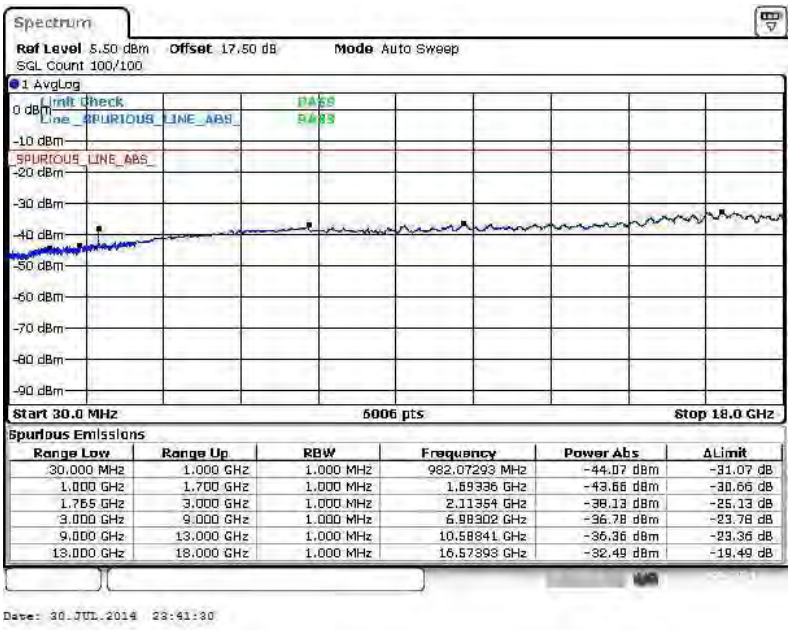


Band :	LTE Band 4	Channel :	CH20000 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

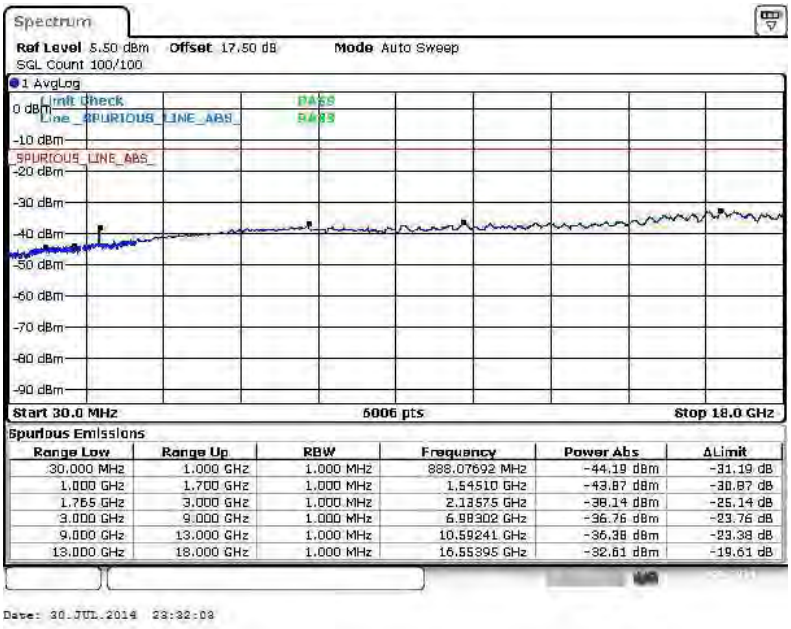


16QAM (RB Size 1, RB Offset 0)

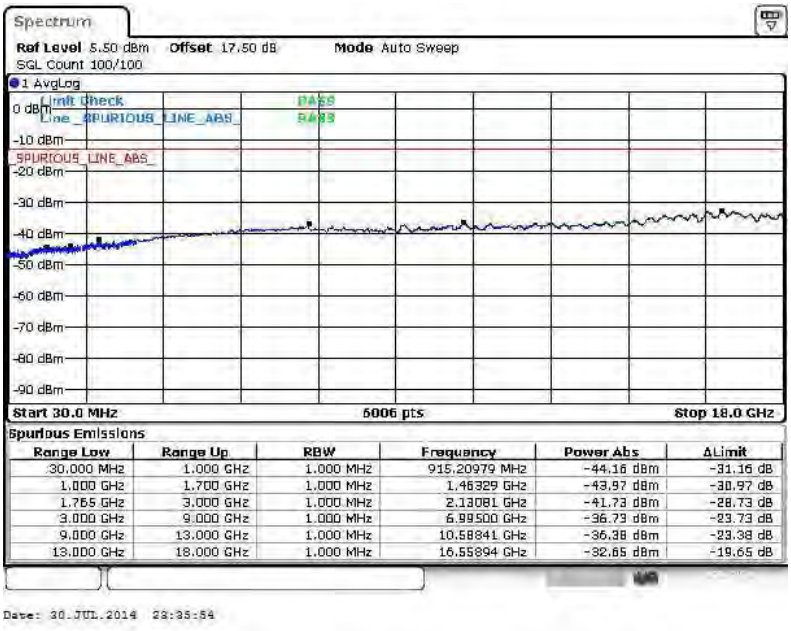


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

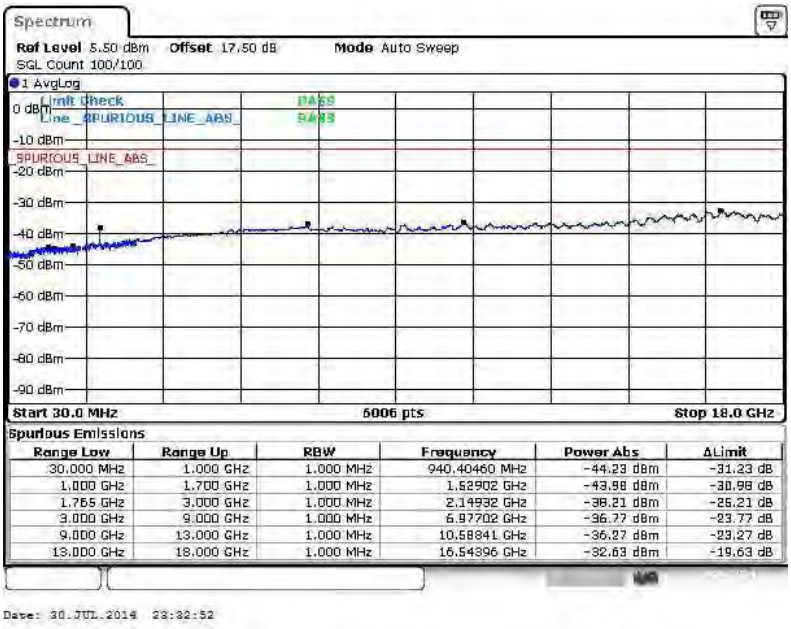


16QAM (RB Size 1, RB Offset 0)

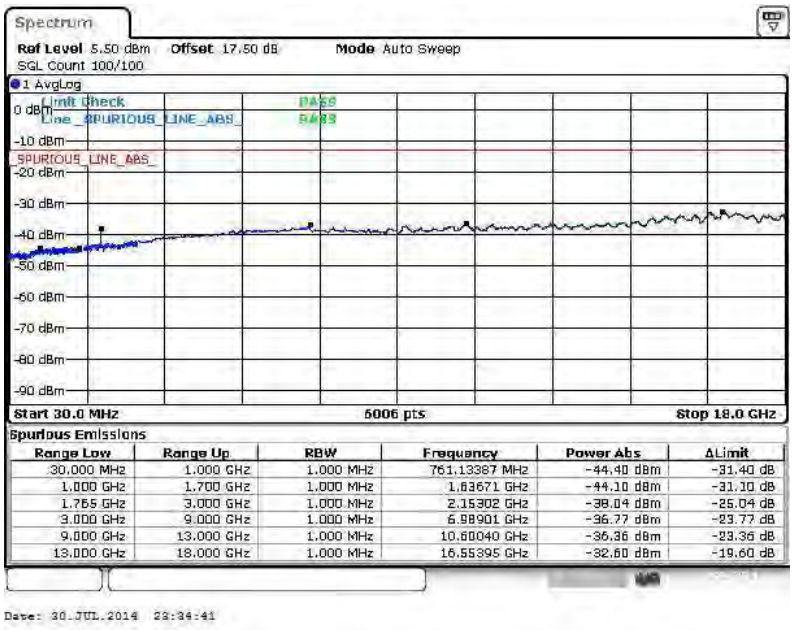


Band :	LTE Band 4	Channel :	CH20350 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

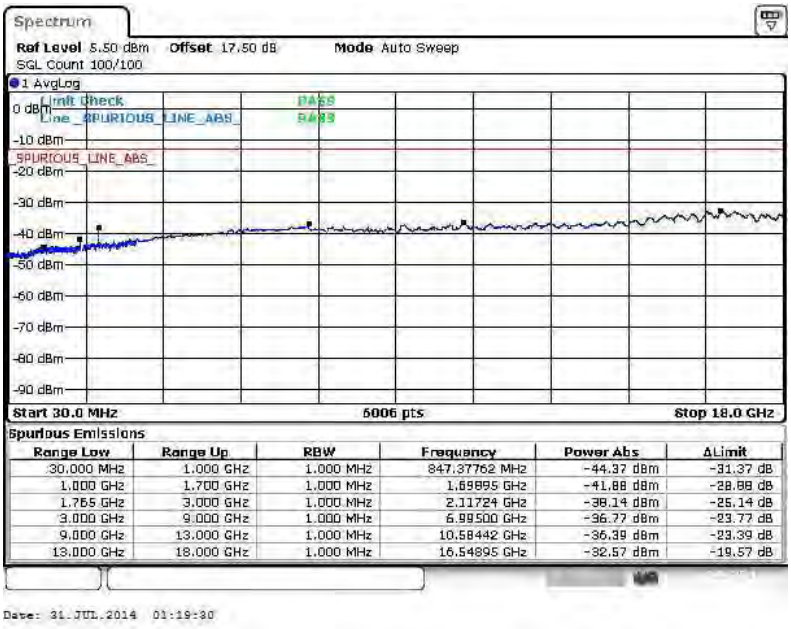


16QAM (RB Size 1, RB Offset 0)

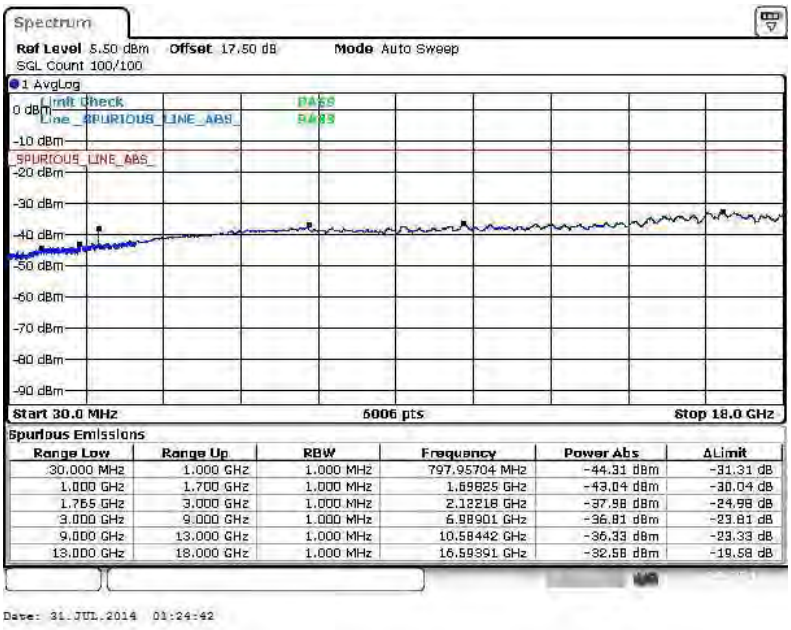


Band :	LTE Band 4	Channel :	CH20025 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

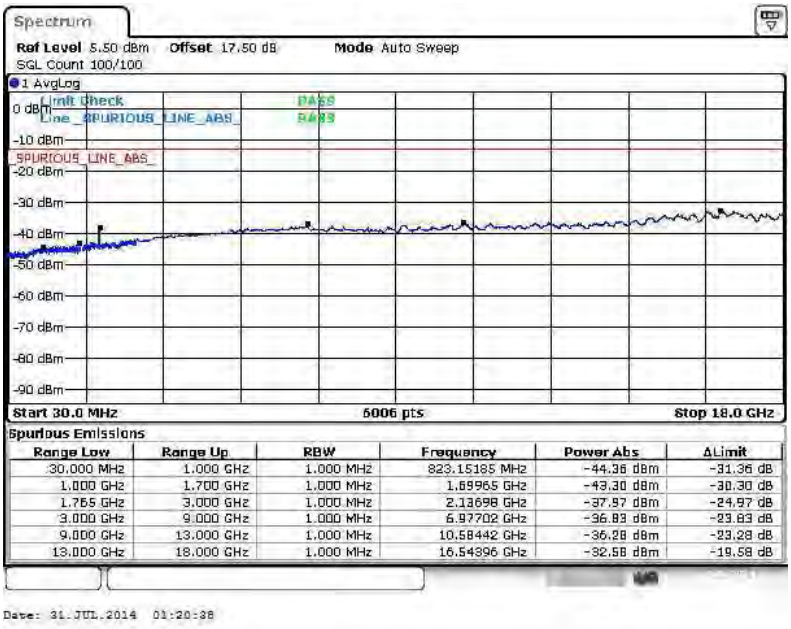


16QAM (RB Size 1, RB Offset 0)

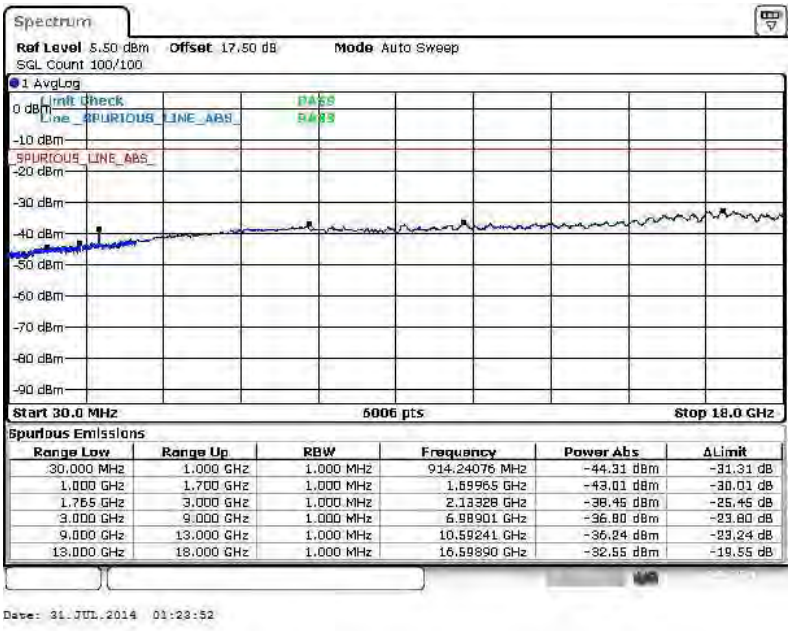


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

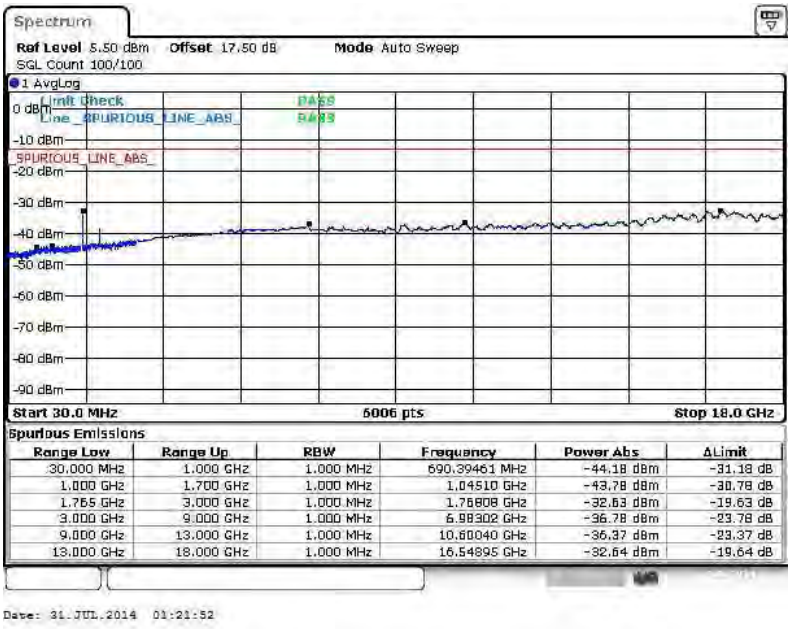


16QAM (RB Size 1, RB Offset 0)

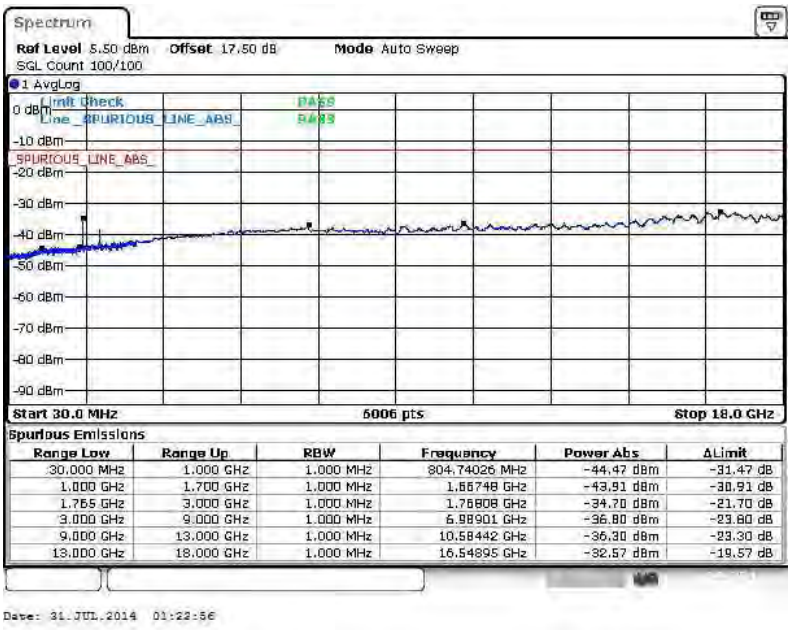


Band :	LTE Band 4	Channel :	CH20325 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

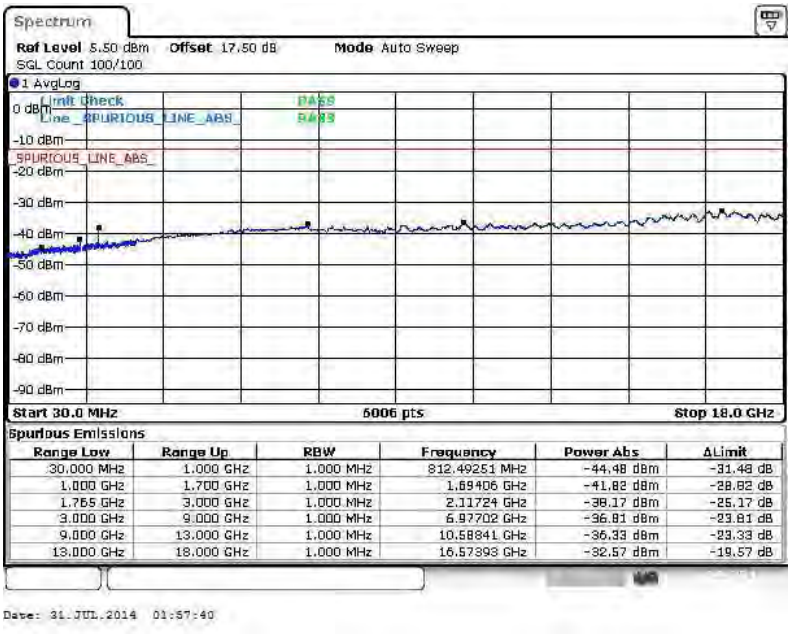


16QAM (RB Size 1, RB Offset 0)

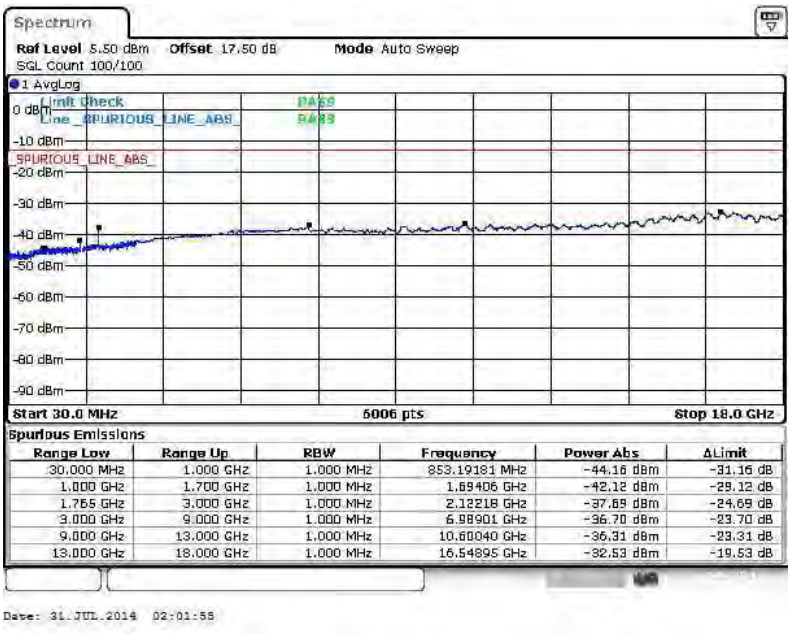


Band :	LTE Band 4	Channel :	CH20050 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

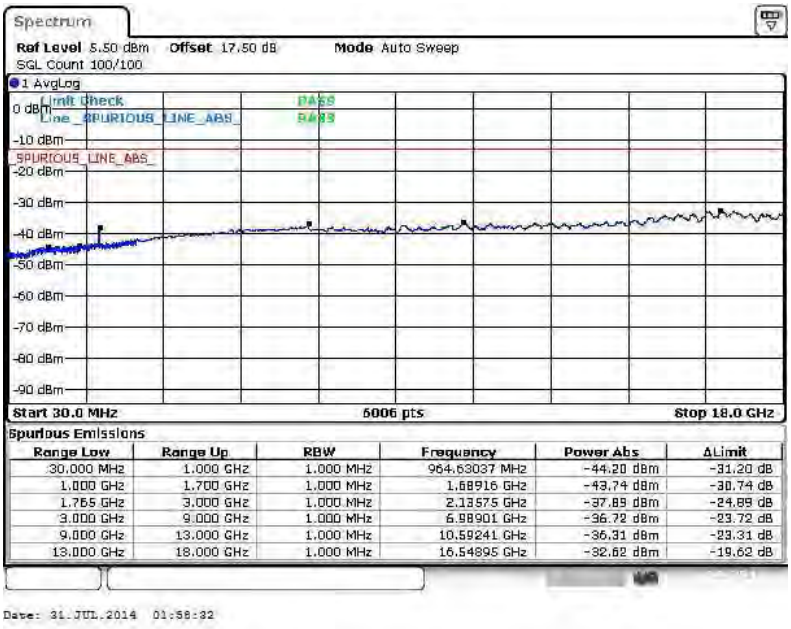


16QAM (RB Size 1, RB Offset 0)

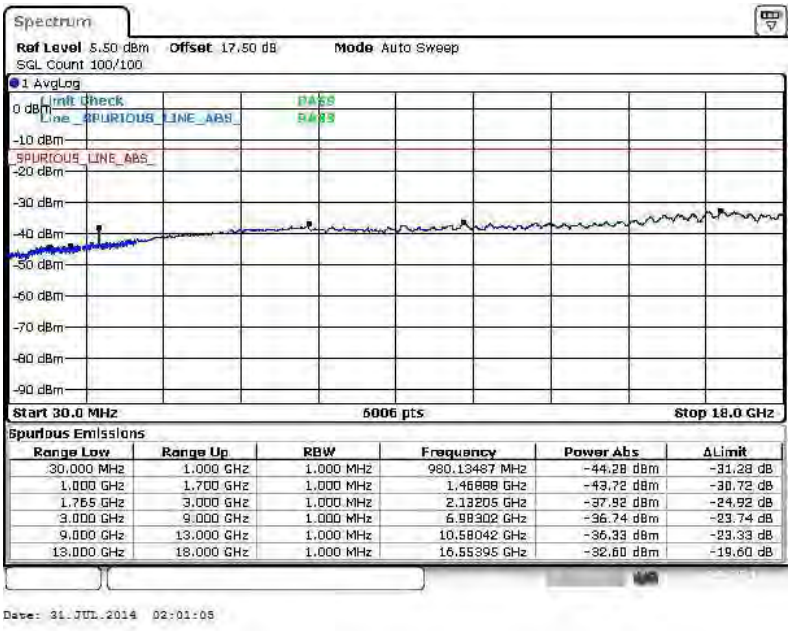


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

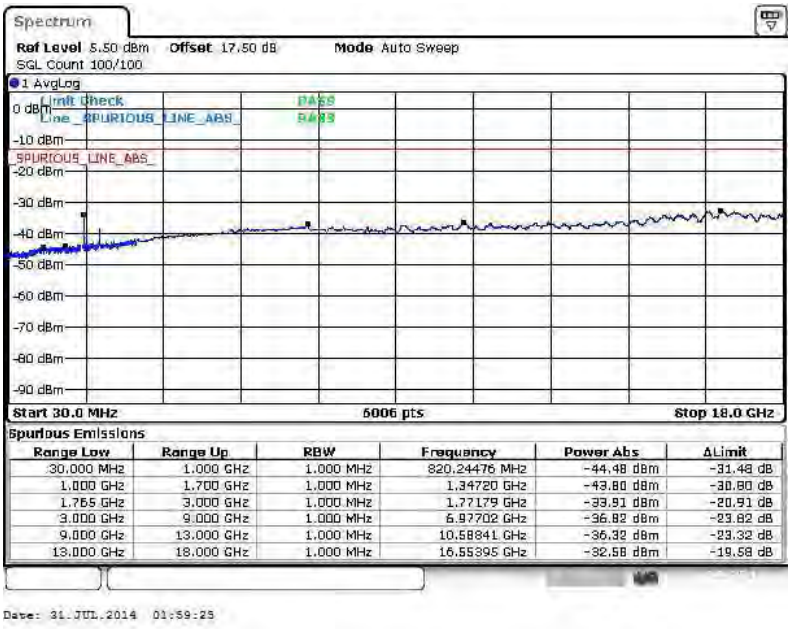


16QAM (RB Size 1, RB Offset 0)

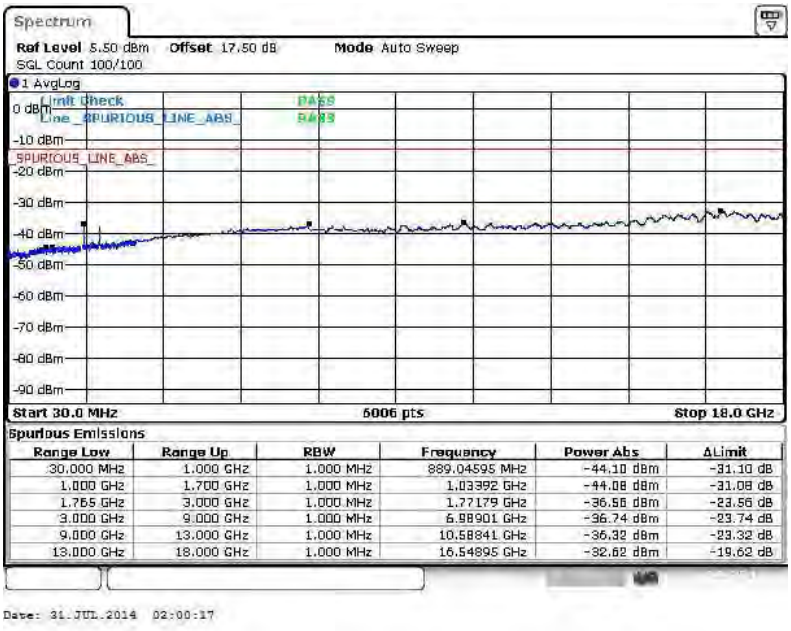


Band :	LTE Band 4	Channel :	CH20300 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

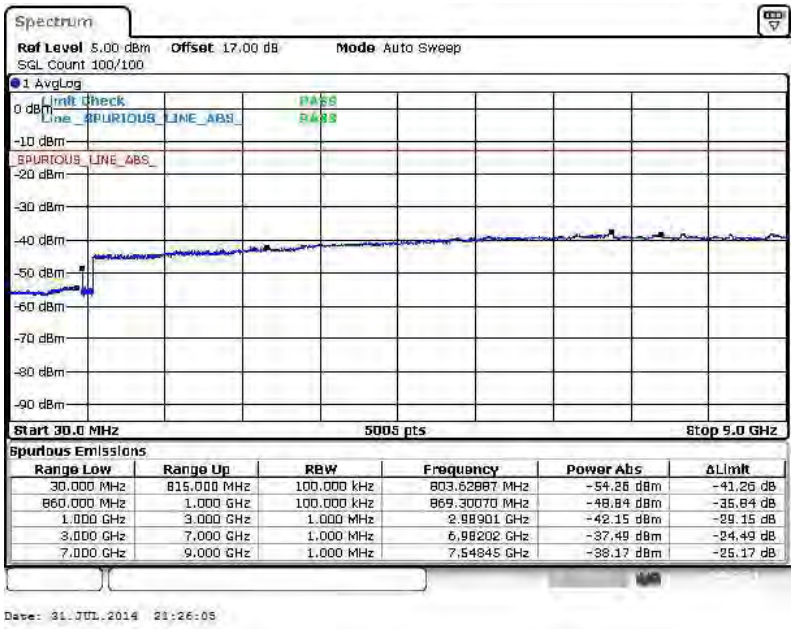


16QAM (RB Size 1, RB Offset 0)

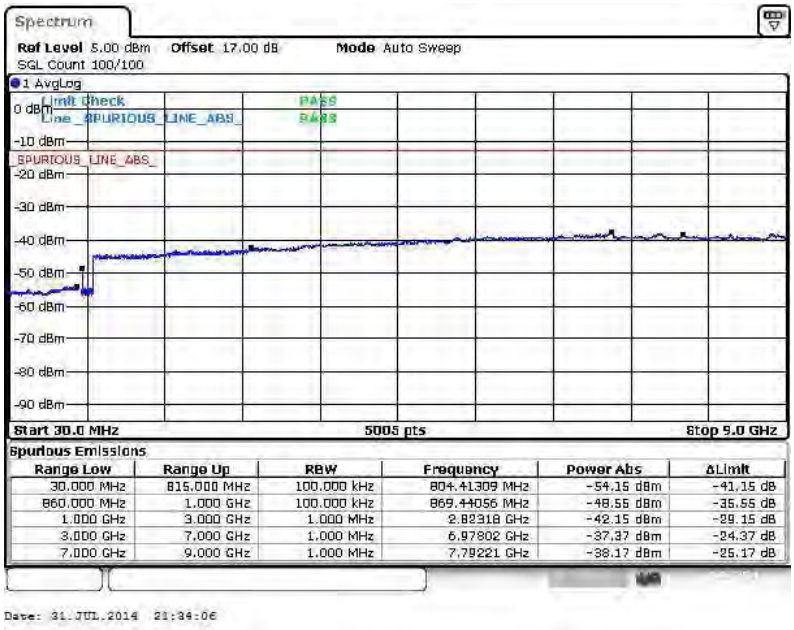


Band :	LTE Band 5	Channel :	CH20407 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

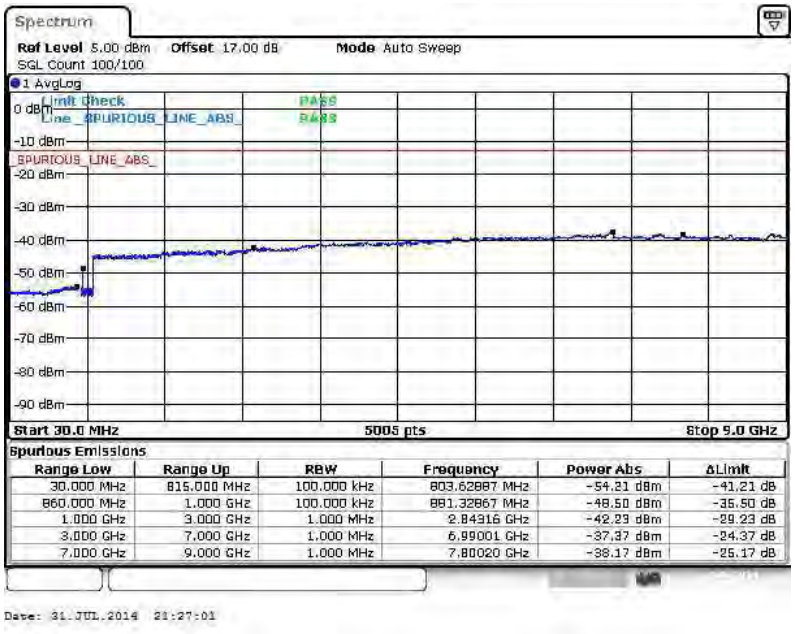


16QAM (RB Size 1, RB Offset 0)

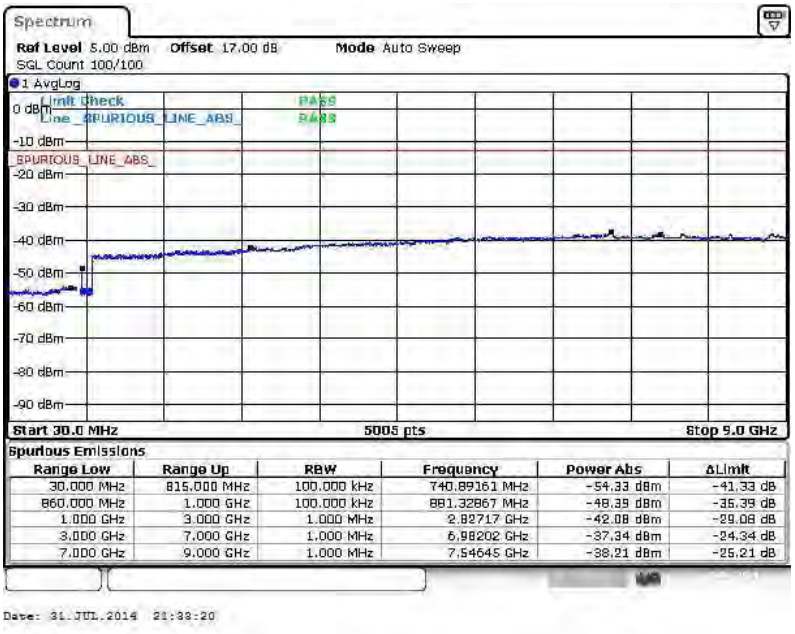


Band :	LTE Band 5	Channel :	CH20525 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

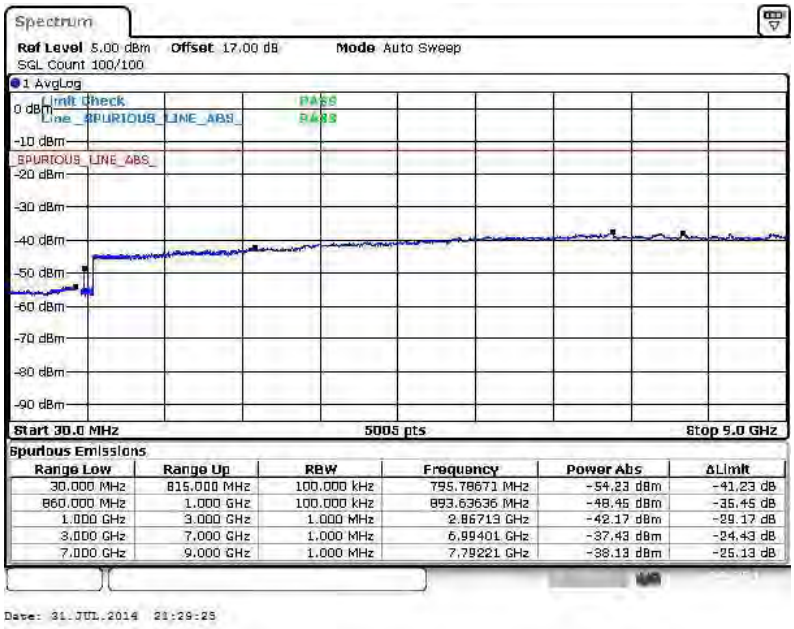


16QAM (RB Size 1, RB Offset 0)

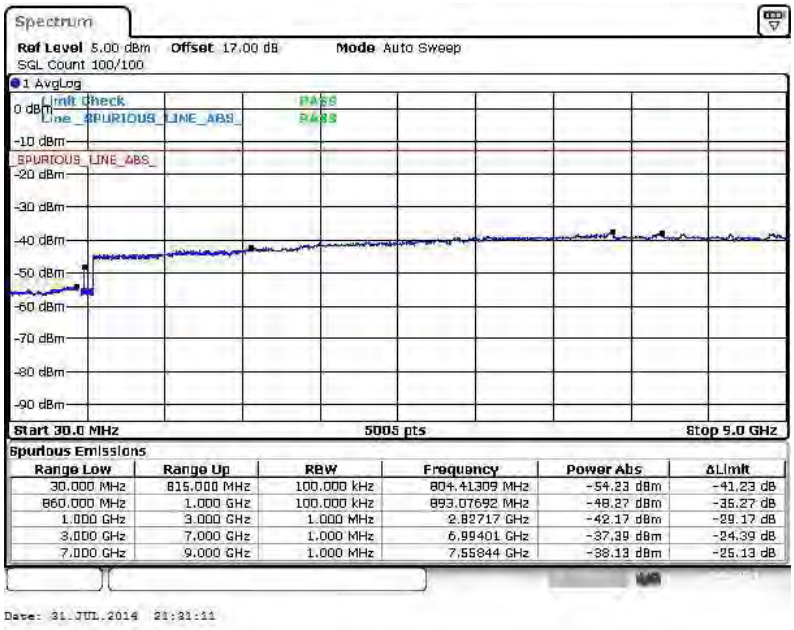


Band :	LTE Band 5	Channel :	CH20643 (High)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

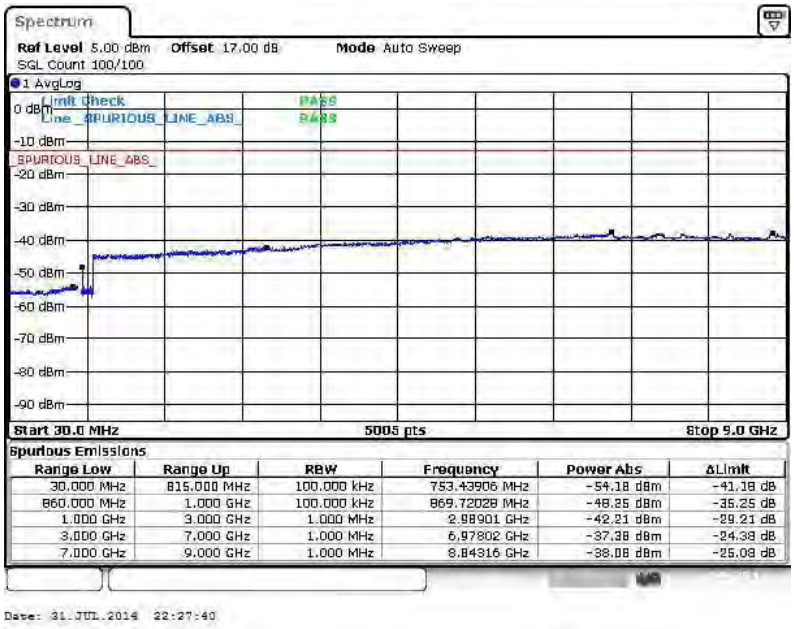


16QAM (RB Size 1, RB Offset 0)

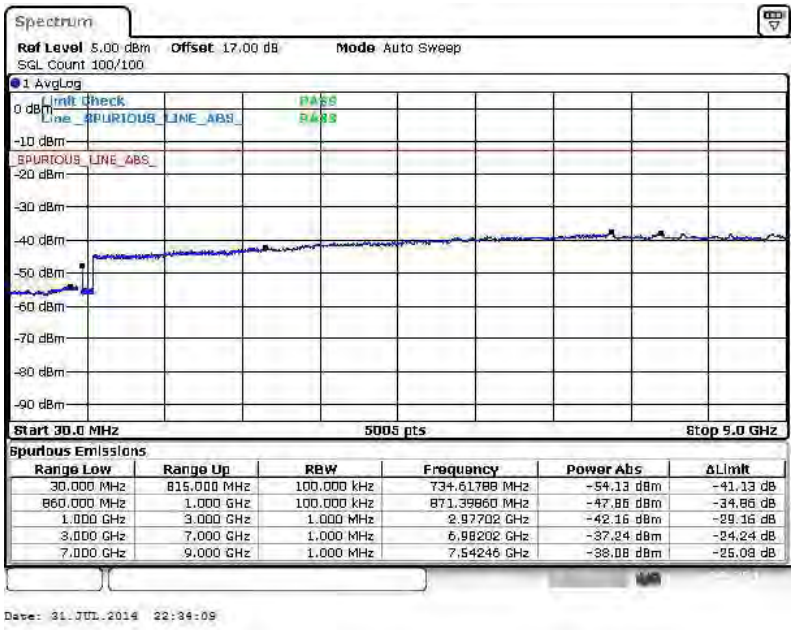


Band :	LTE Band 5	Channel :	CH20415 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

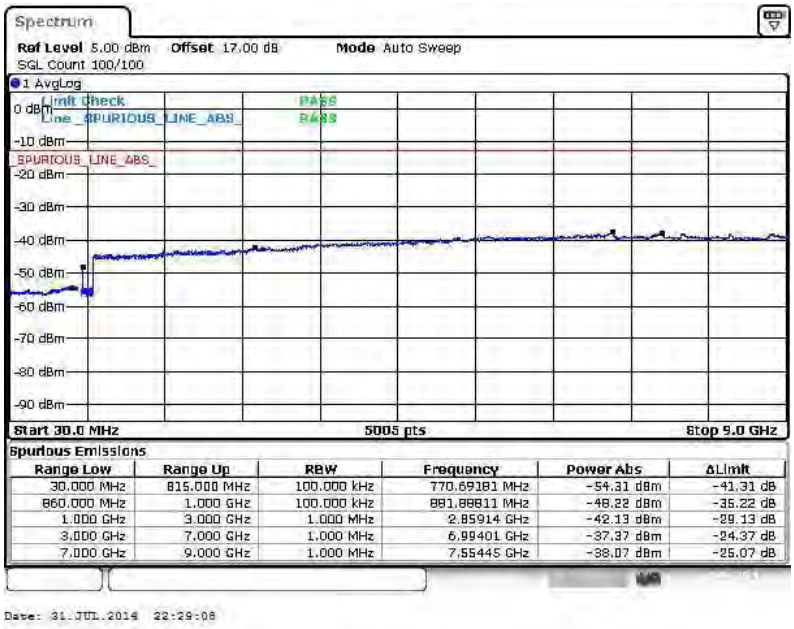


16QAM (RB Size 1, RB Offset 0)

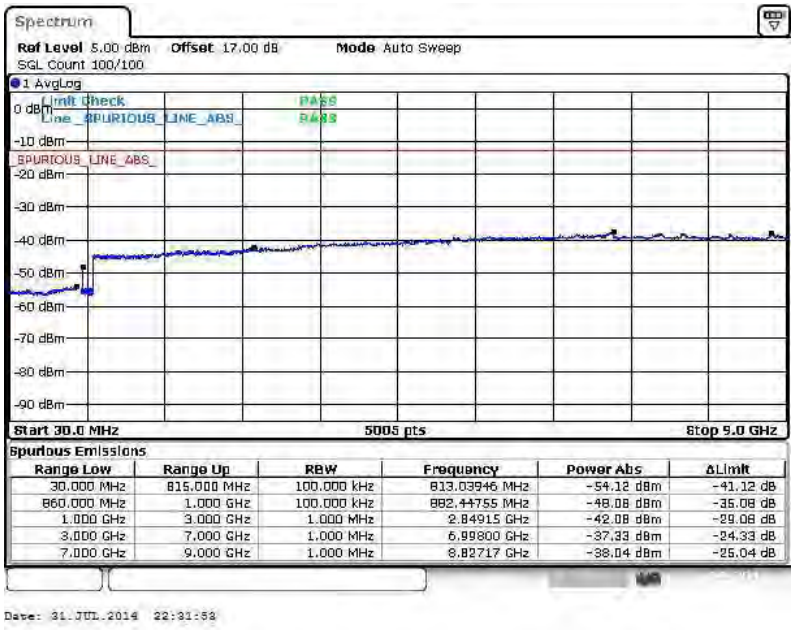


Band :	LTE Band 5	Channel :	CH20525 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

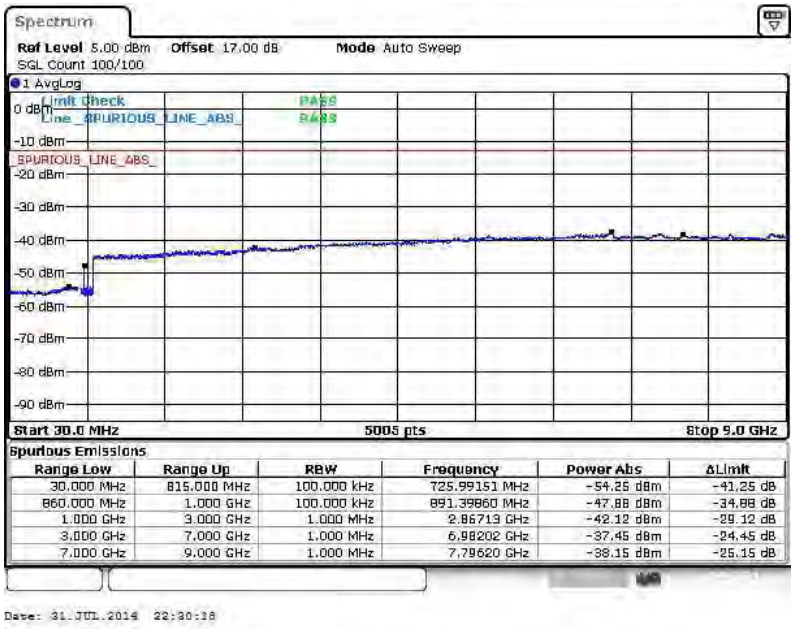


16QAM (RB Size 1, RB Offset 0)

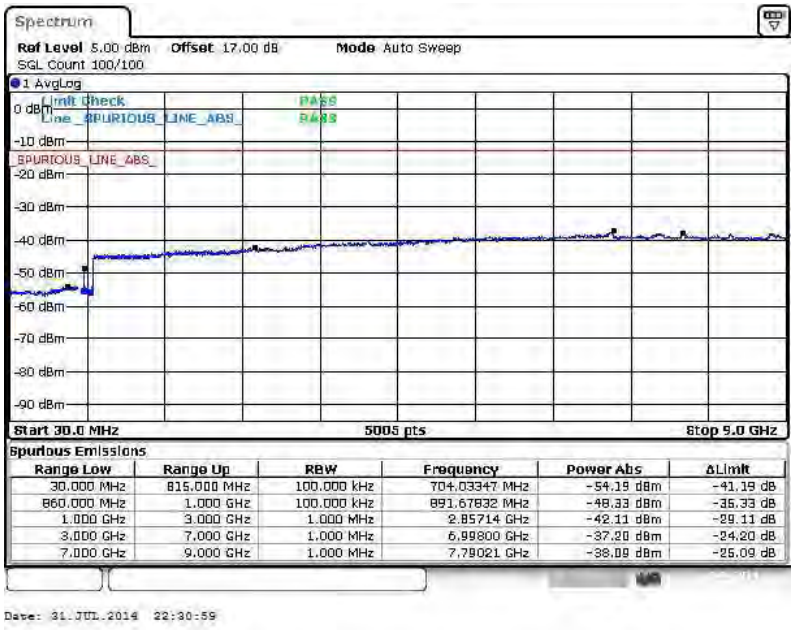


Band :	LTE Band 5	Channel :	CH20635 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

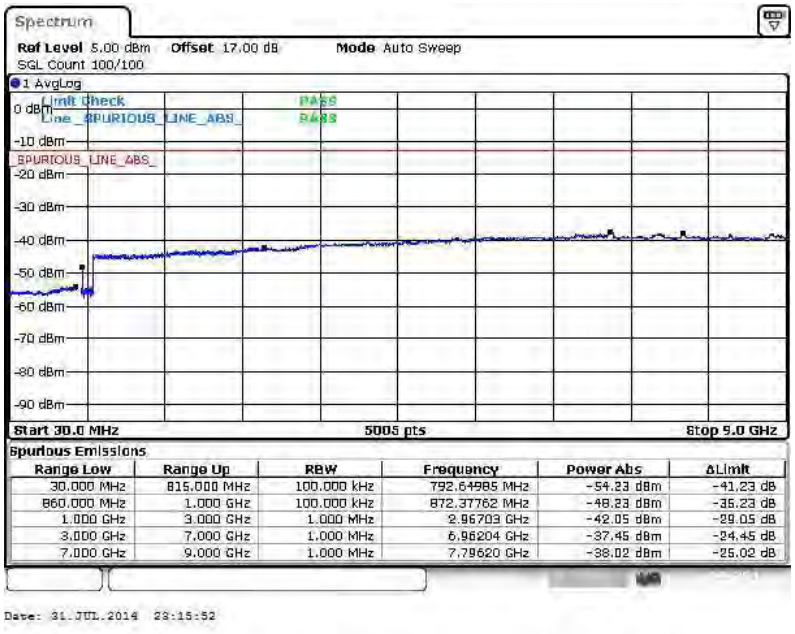


16QAM (RB Size 1, RB Offset 0)

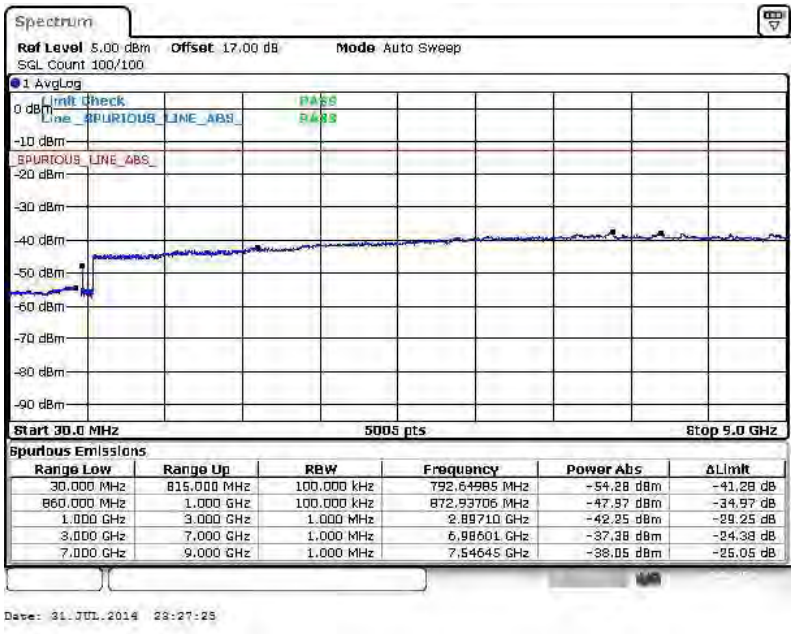


Band :	LTE Band 5	Channel :	CH20425 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

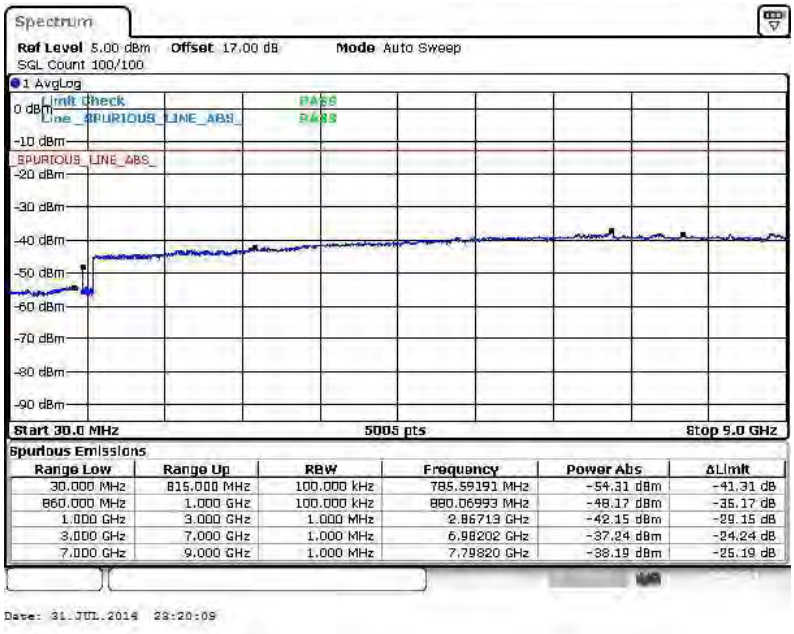


16QAM (RB Size 1, RB Offset 0)

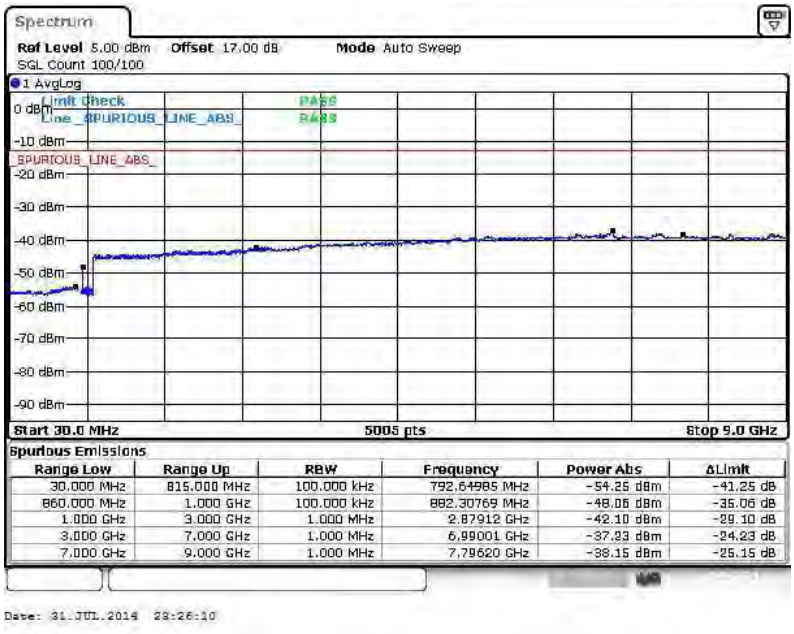


Band :	LTE Band 5	Channel :	CH20525 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

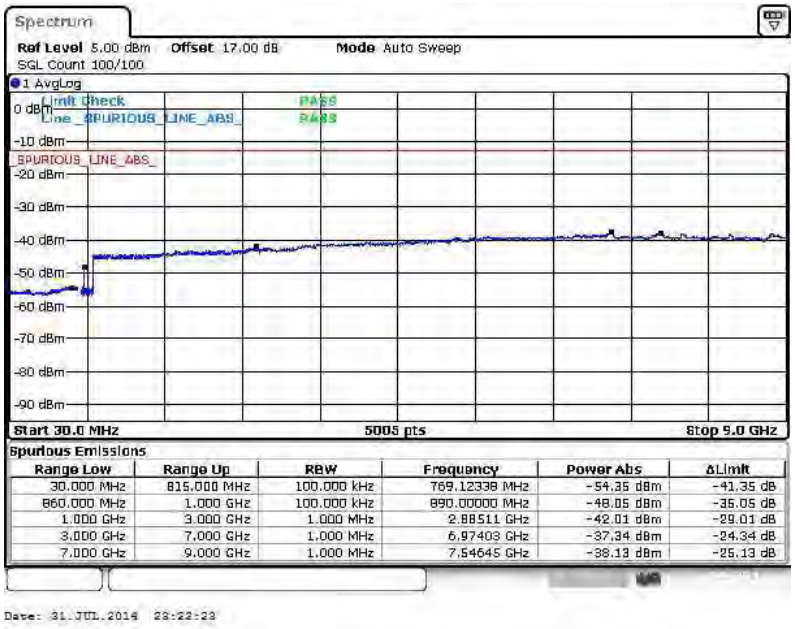


16QAM (RB Size 1, RB Offset 0)

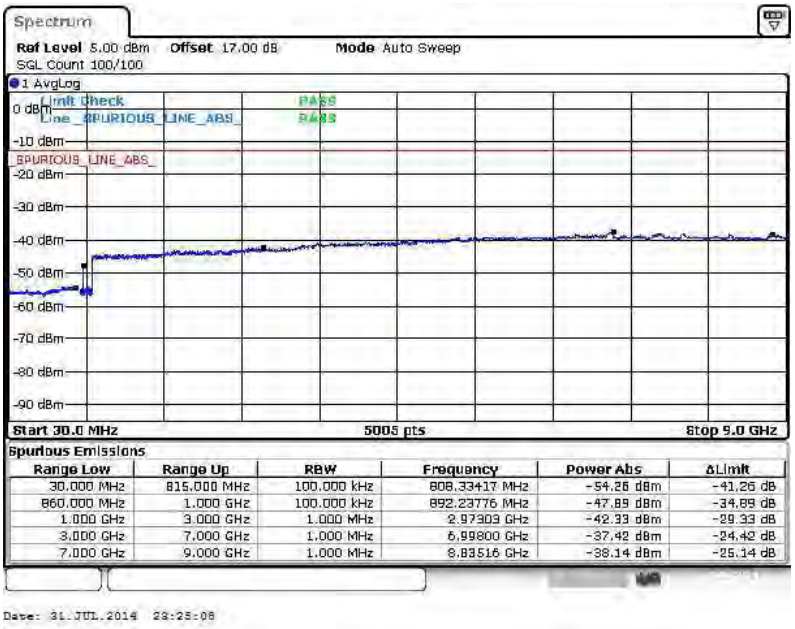


Band :	LTE Band 5	Channel :	CH20625 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

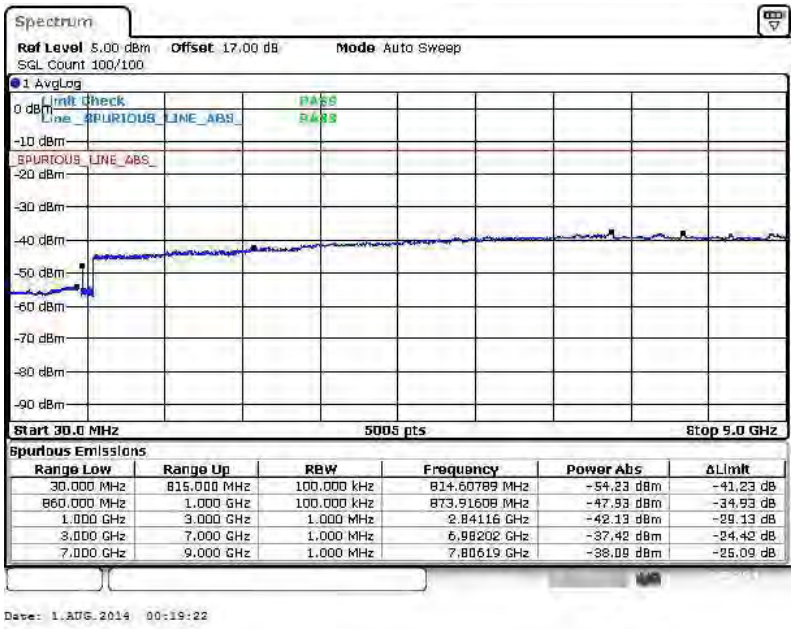


16QAM (RB Size 1, RB Offset 0)

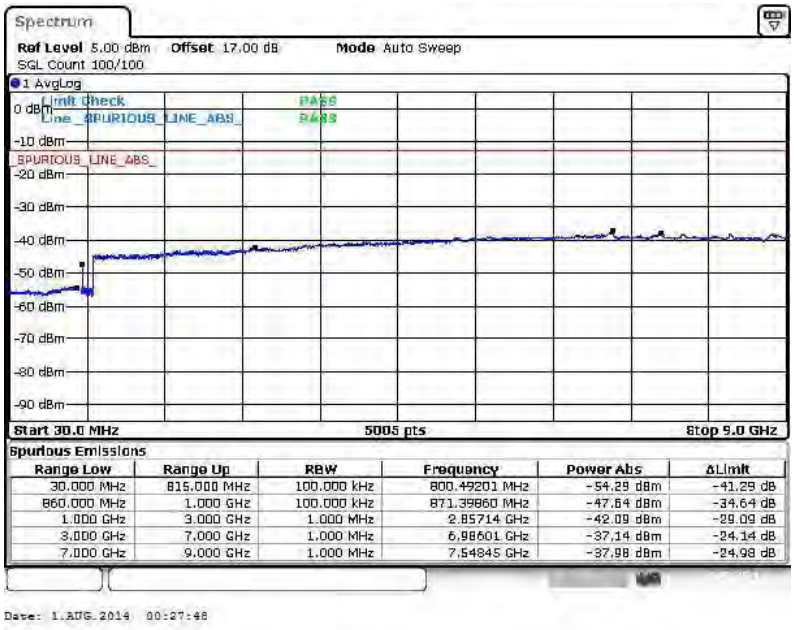


Band :	LTE Band 5	Channel :	CH20450 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

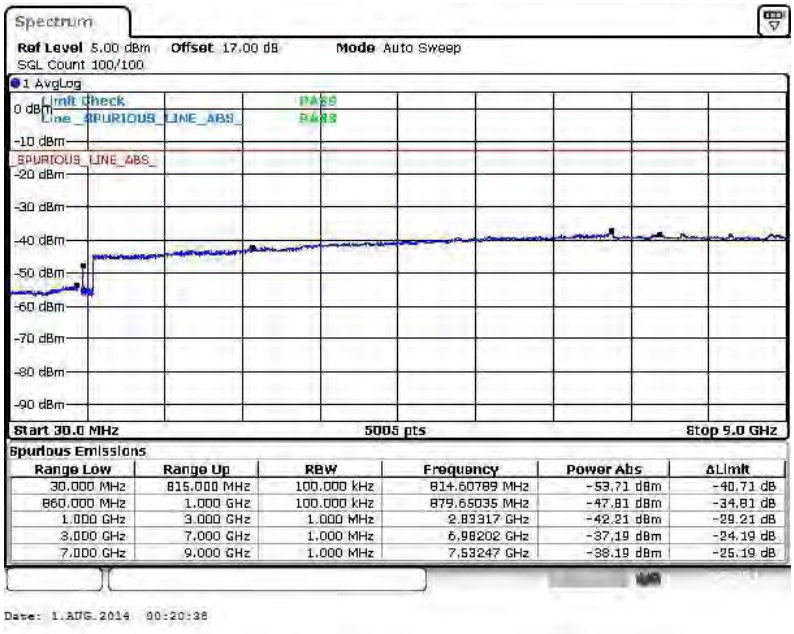


16QAM (RB Size 1, RB Offset 0)

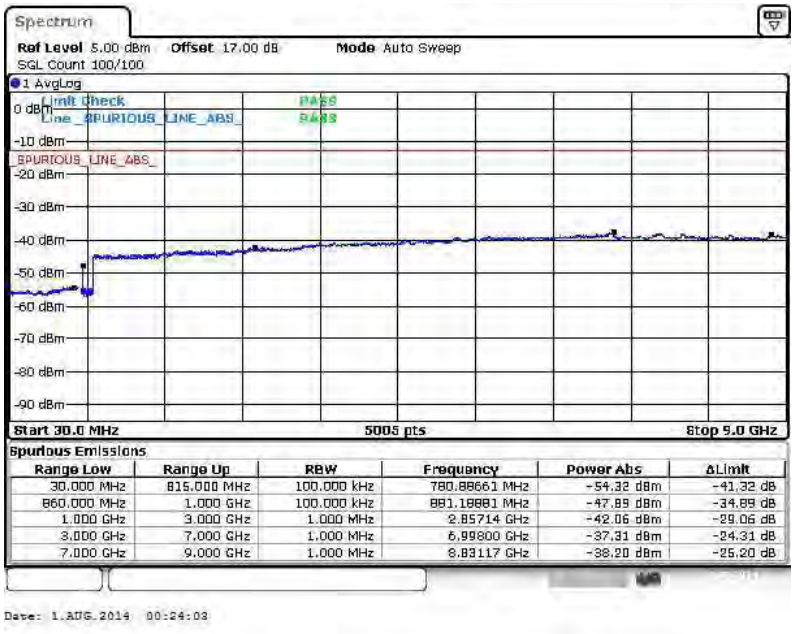


Band :	LTE Band 5	Channel :	CH20525 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

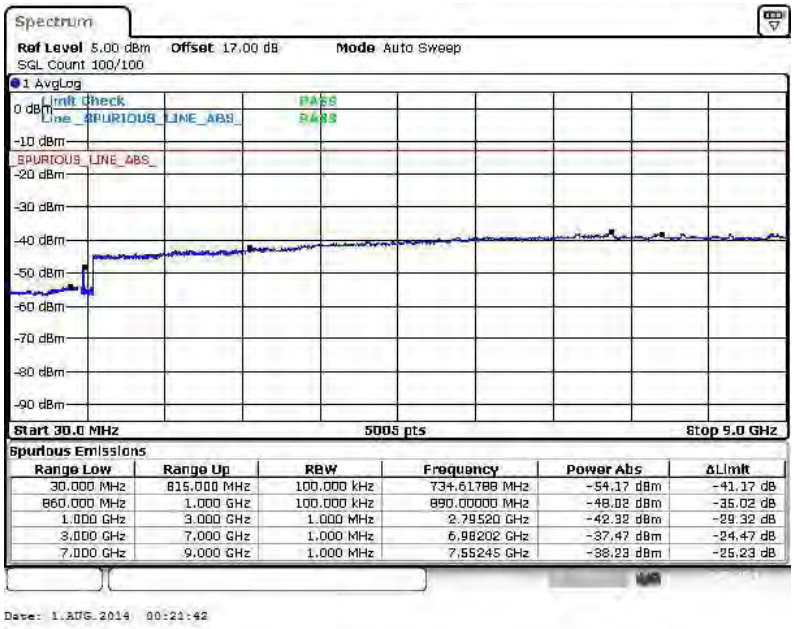


16QAM (RB Size 1, RB Offset 0)

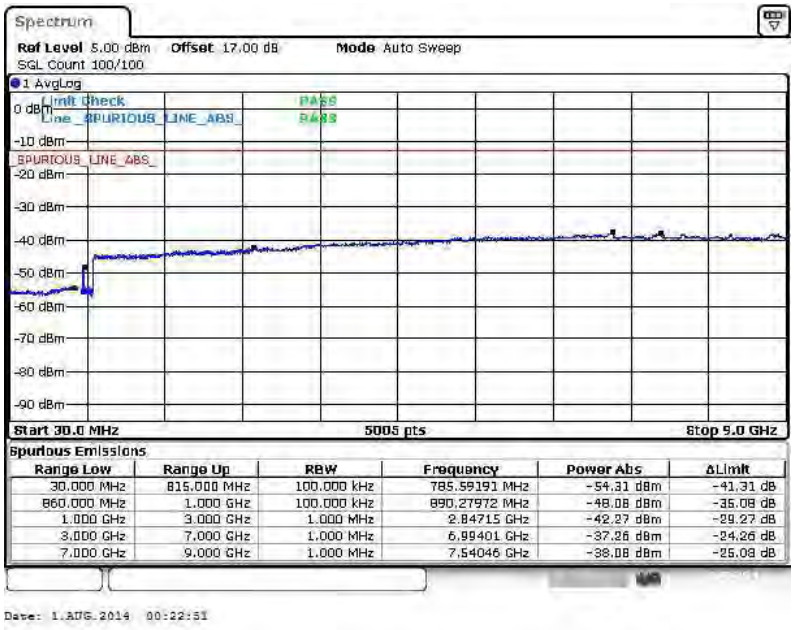


Band :	LTE Band 5	Channel :	CH20600 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

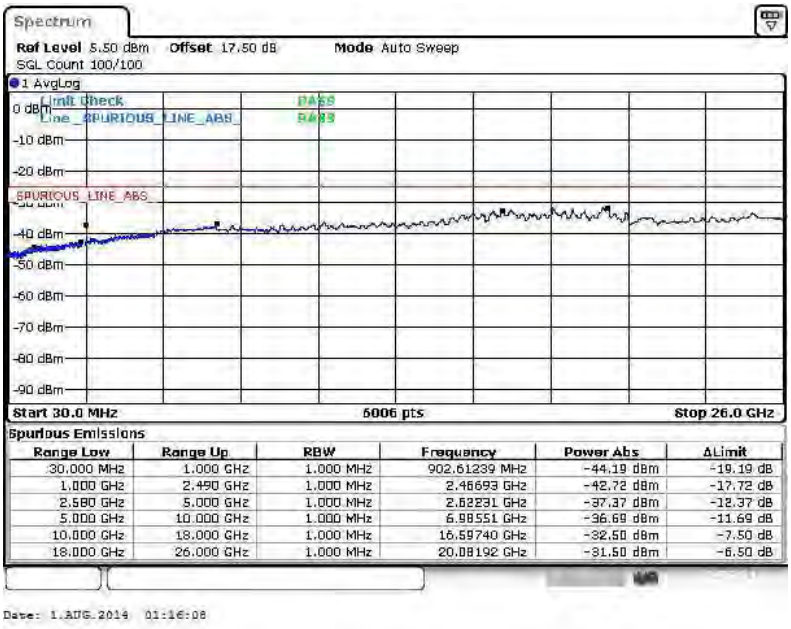


16QAM (RB Size 1, RB Offset 0)

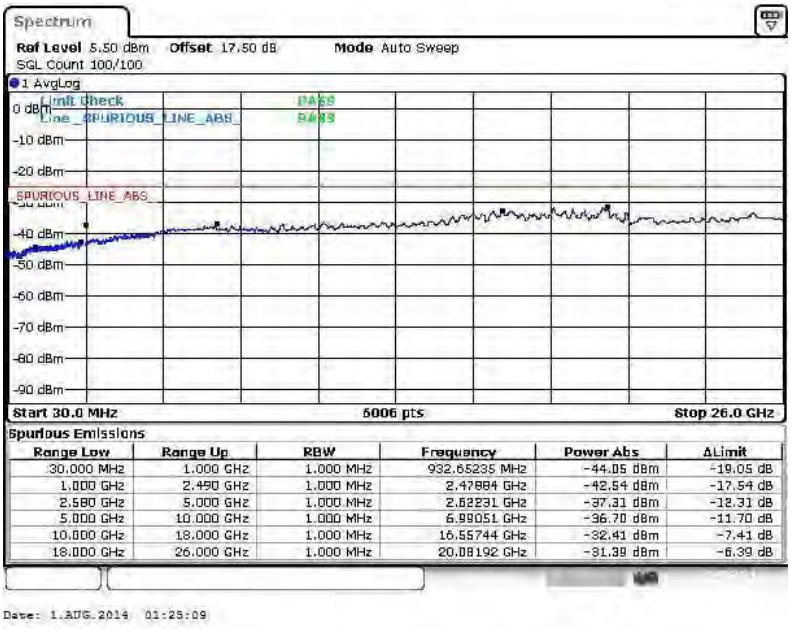


Band :	LTE Band 7	Channel :	CH20775 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

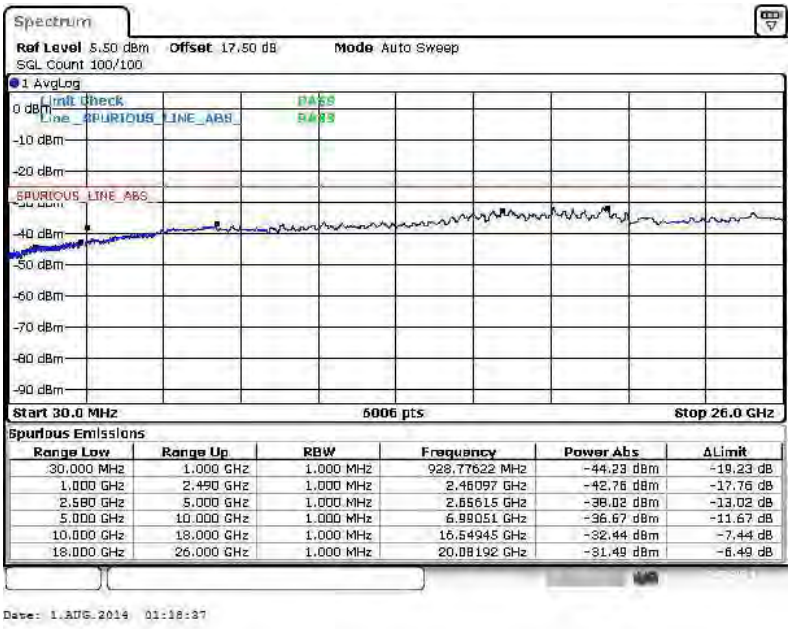


16QAM (RB Size 1, RB Offset 0)

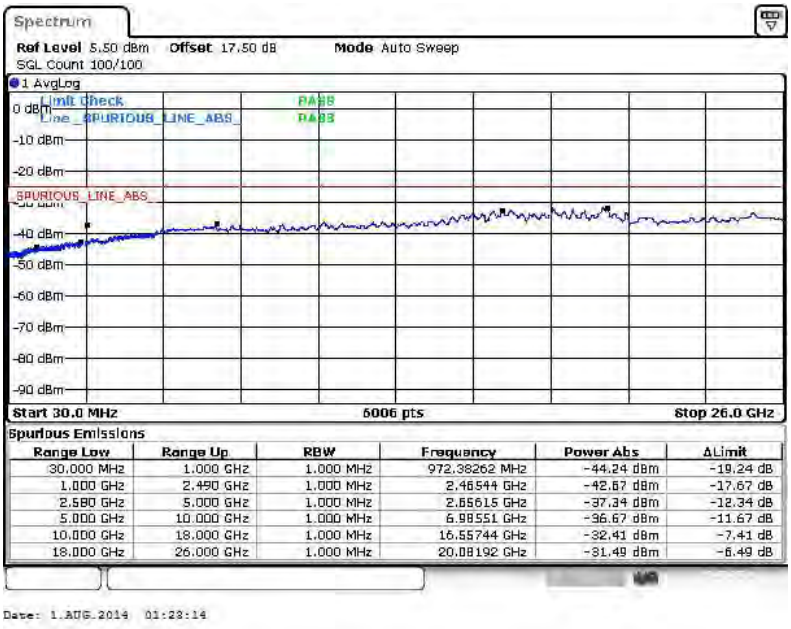


Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

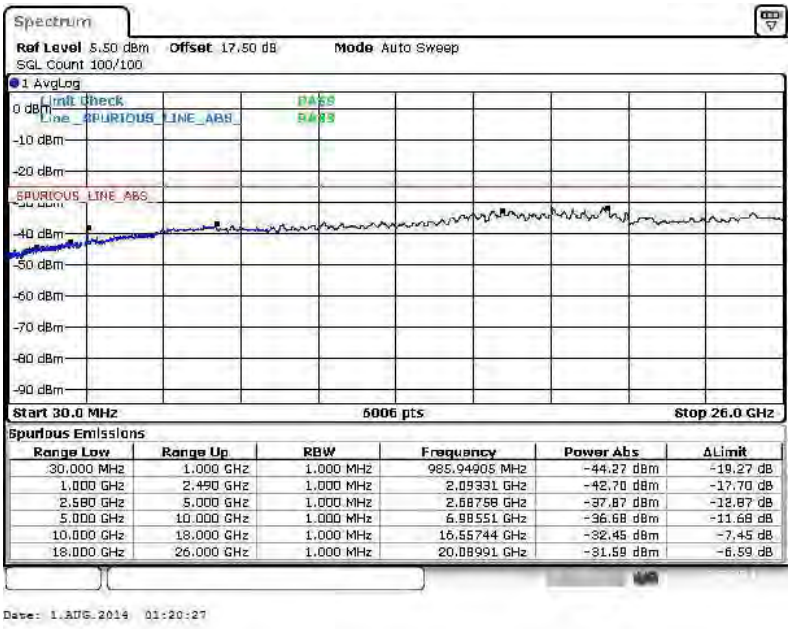


16QAM (RB Size 1, RB Offset 0)

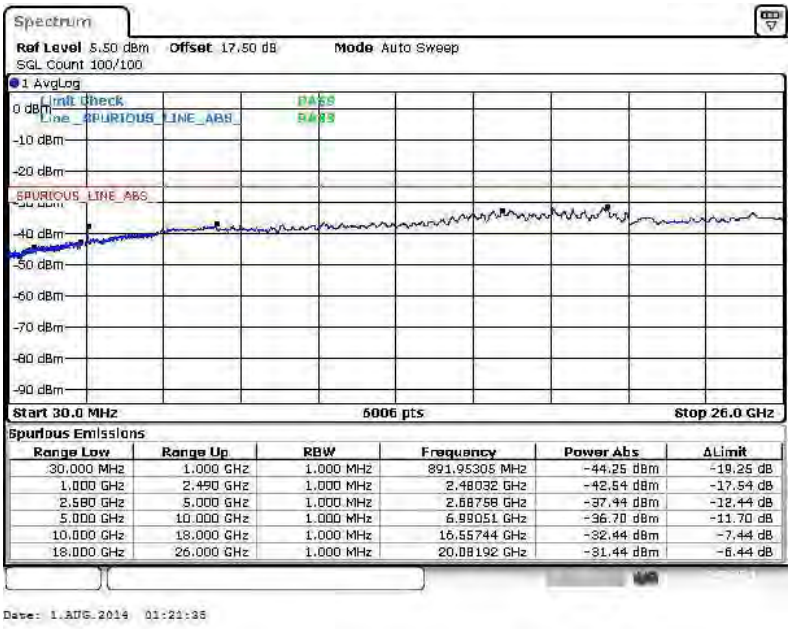


Band :	LTE Band 7	Channel :	CH21425 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

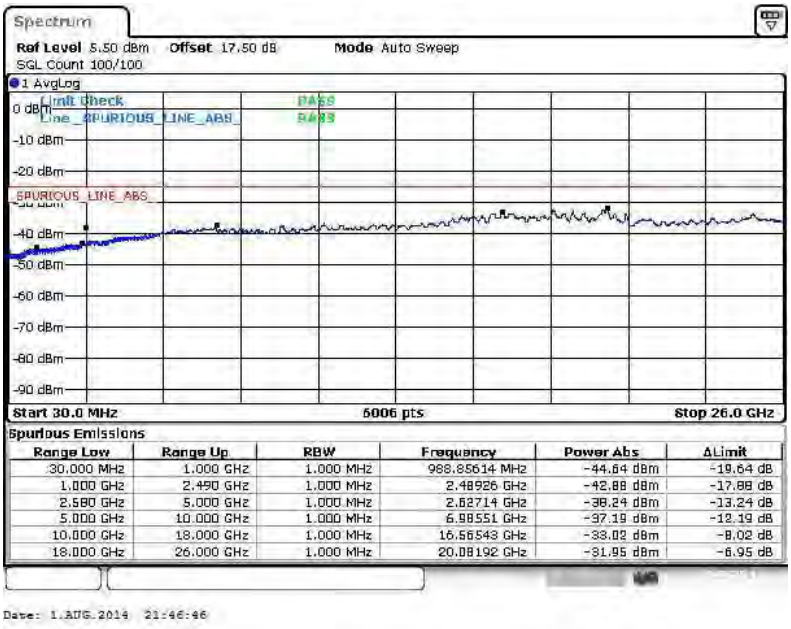


16QAM (RB Size 1, RB Offset 0)

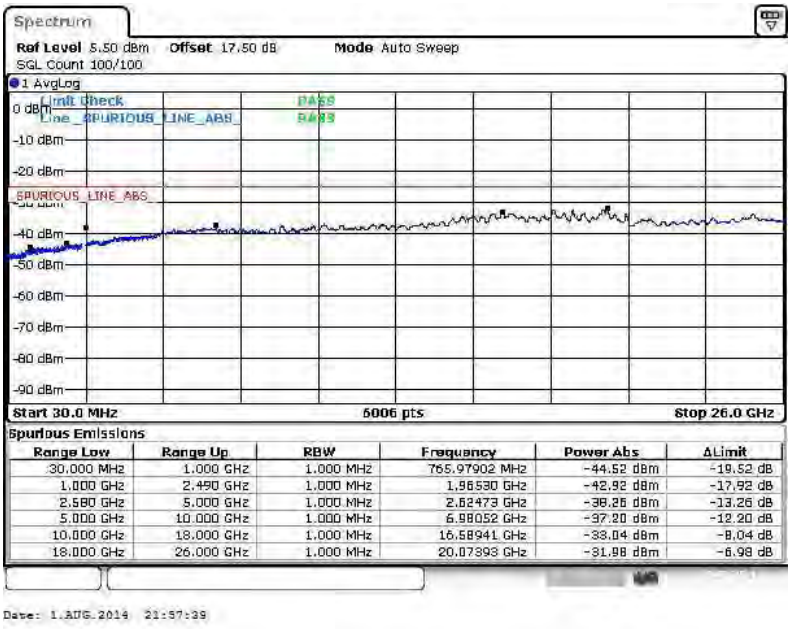


Band :	LTE Band 7	Channel :	CH20800 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

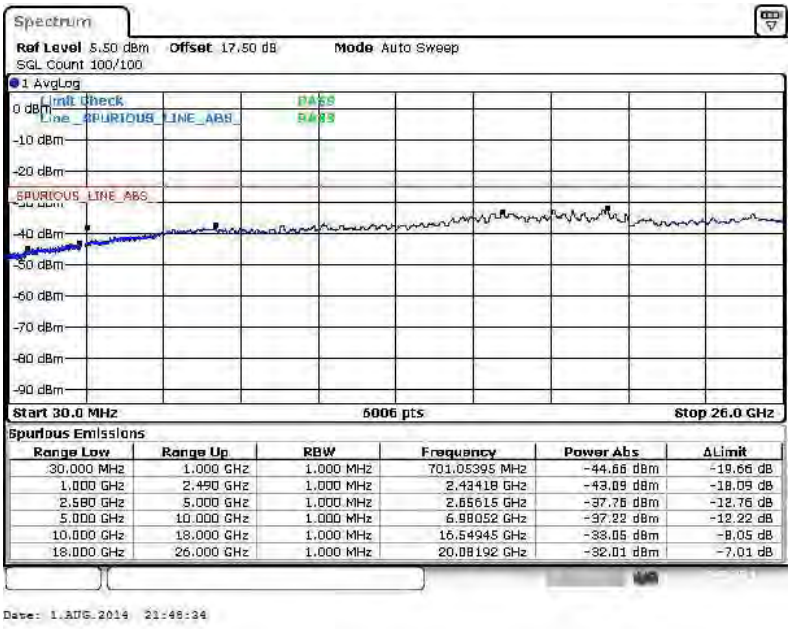


16QAM (RB Size 1, RB Offset 0)

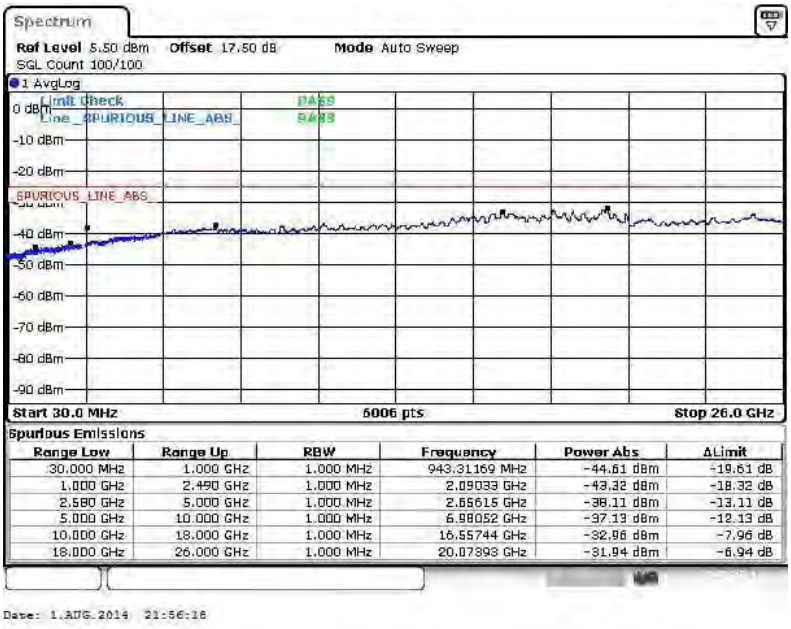


Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

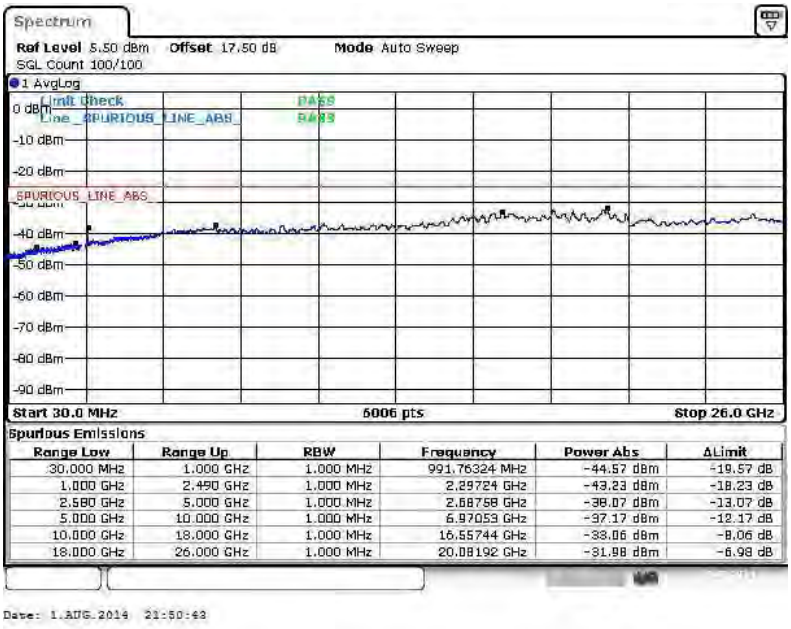


16QAM (RB Size 1, RB Offset 0)

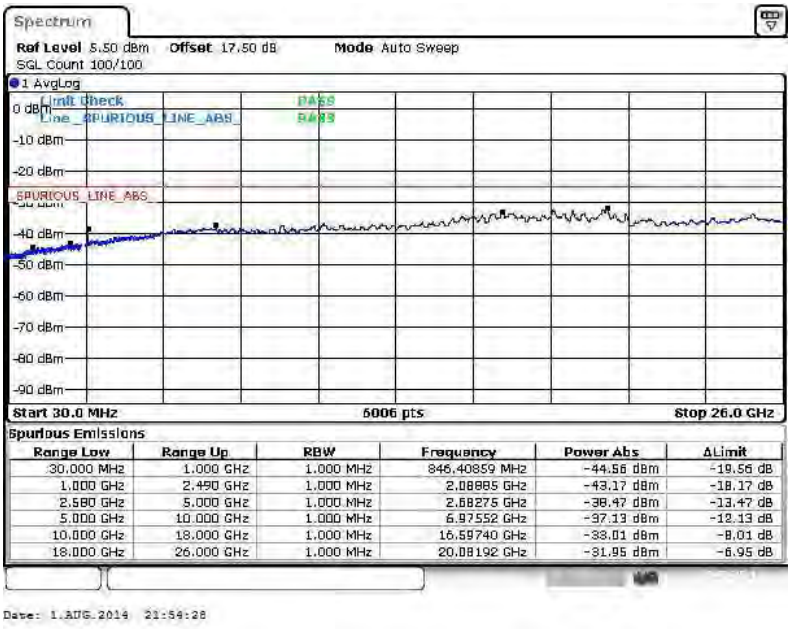


Band :	LTE Band 7	Channel :	CH21400 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

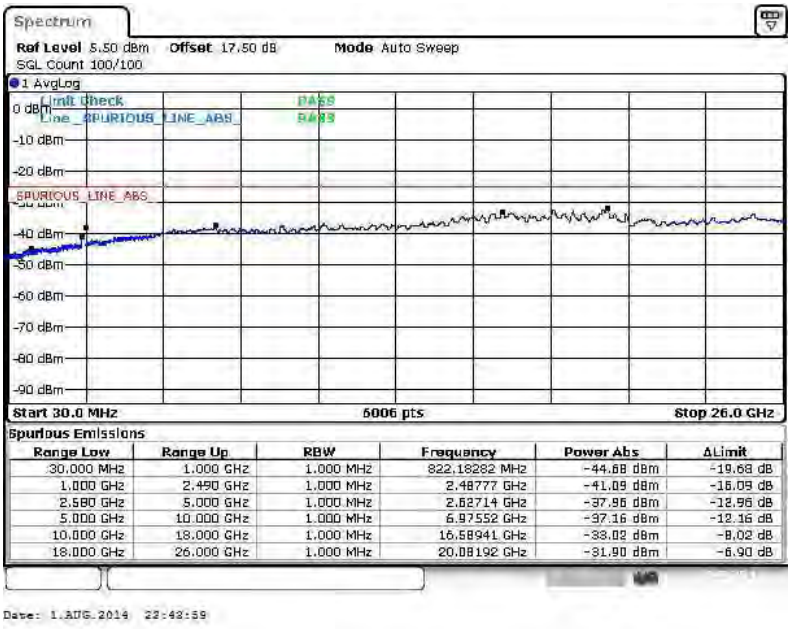


16QAM (RB Size 1, RB Offset 0)

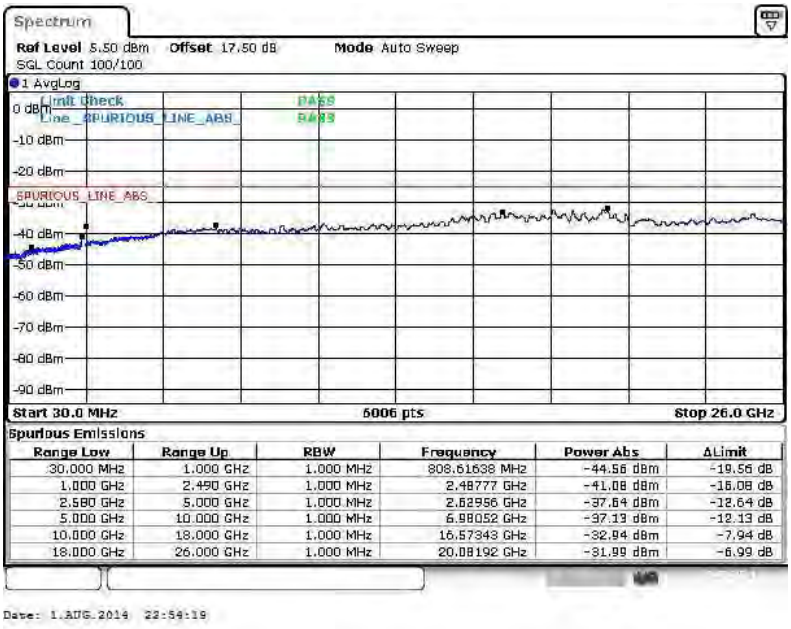


Band :	LTE Band 7	Channel :	CH20825 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

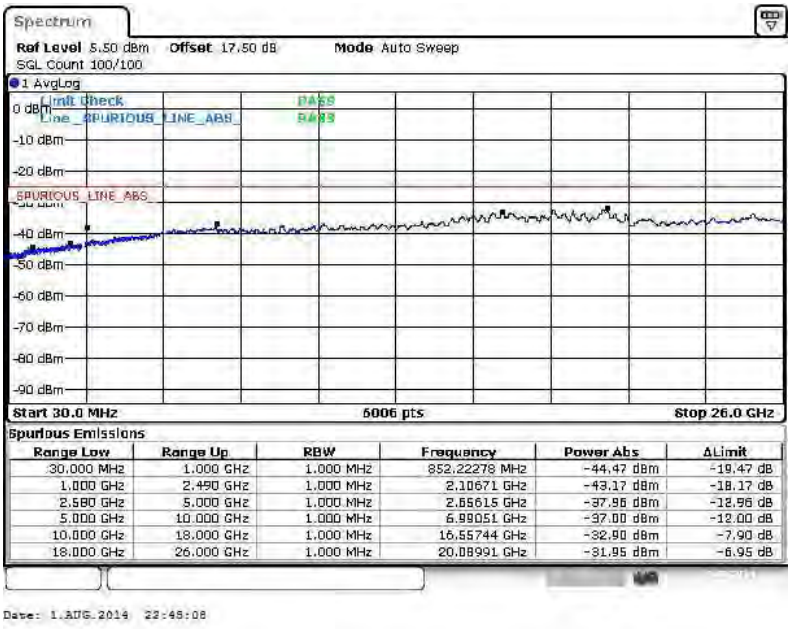


16QAM (RB Size 1, RB Offset 0)

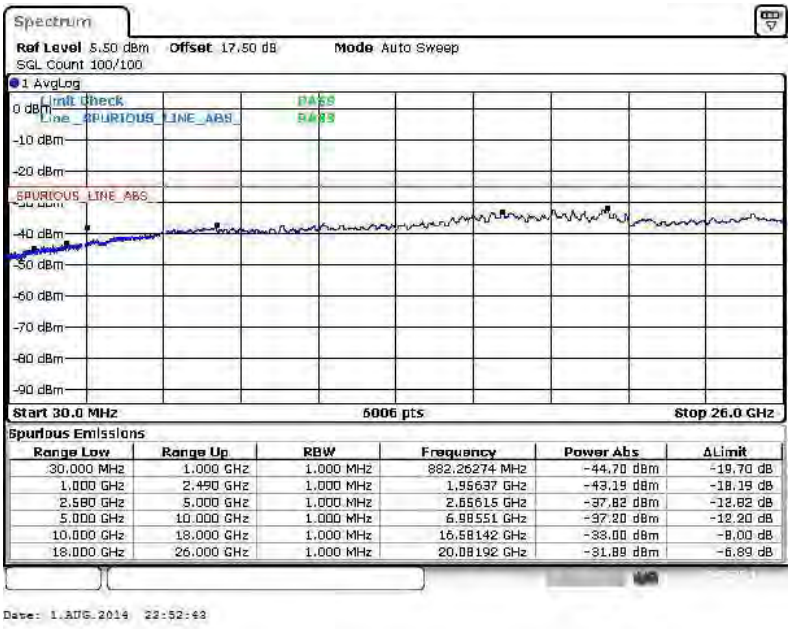


Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

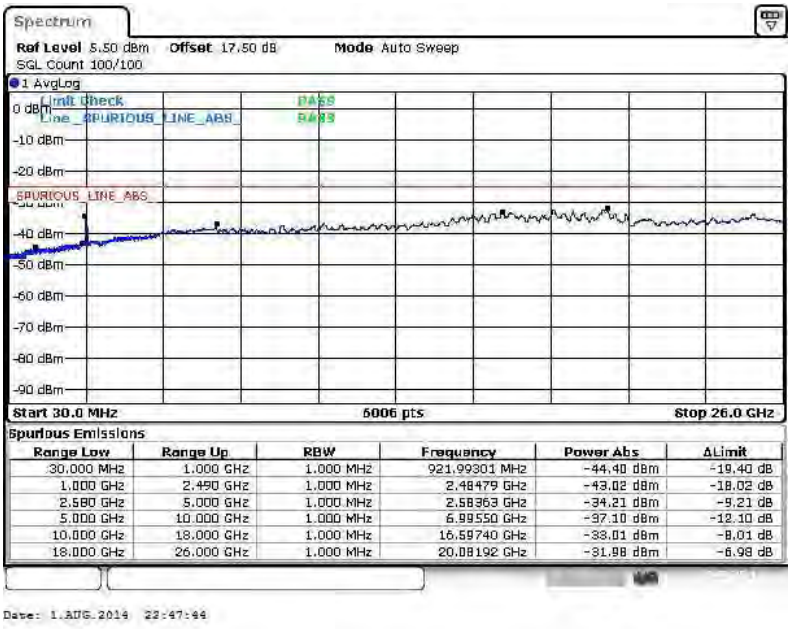


16QAM (RB Size 1, RB Offset 0)

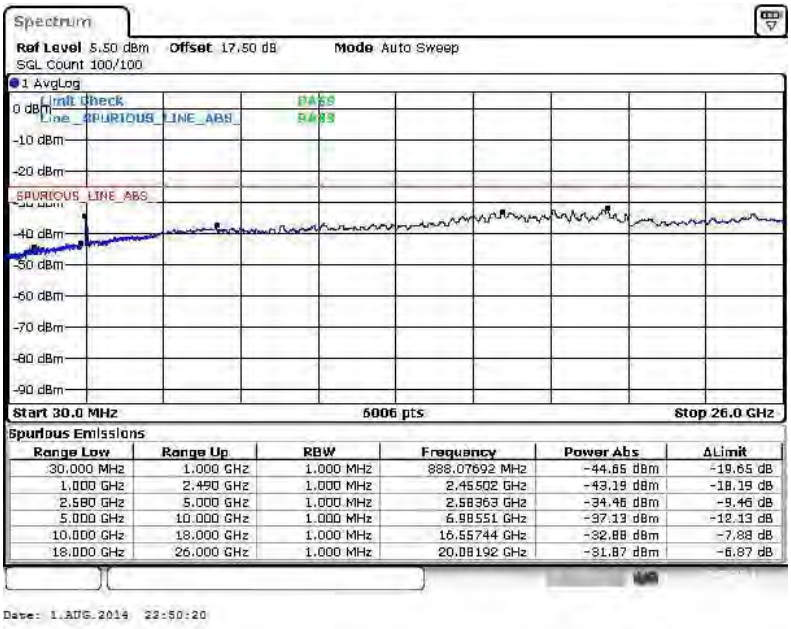


Band :	LTE Band 7	Channel :	CH21375 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

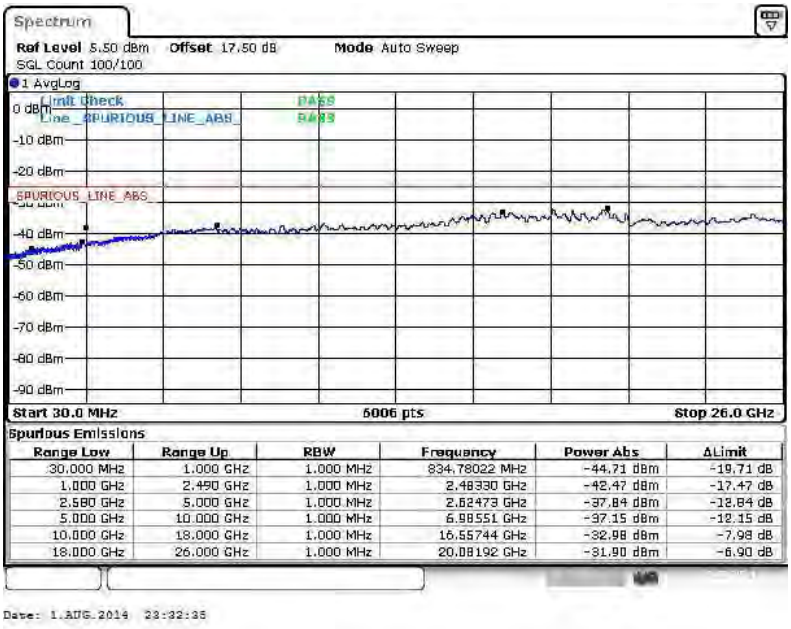


16QAM (RB Size 1, RB Offset 0)

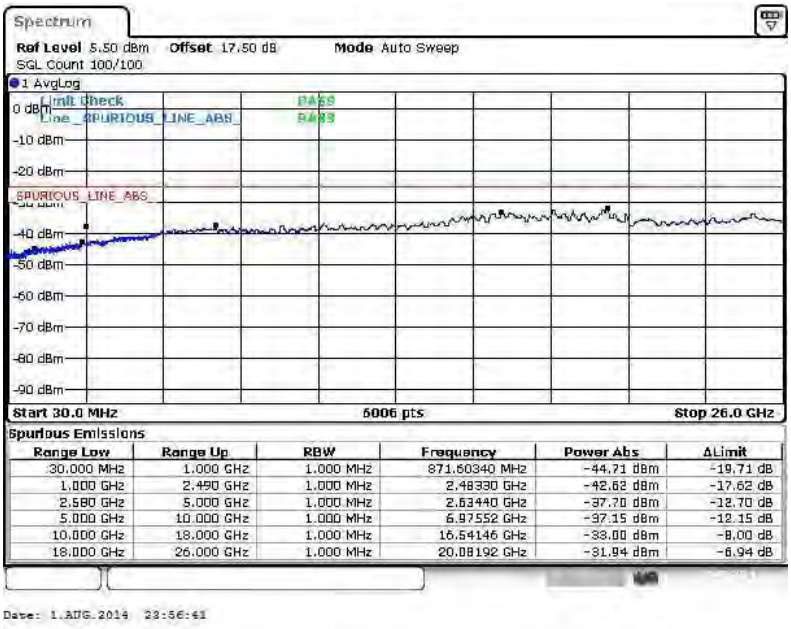


Band :	LTE Band 7	Channel :	CH20850 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

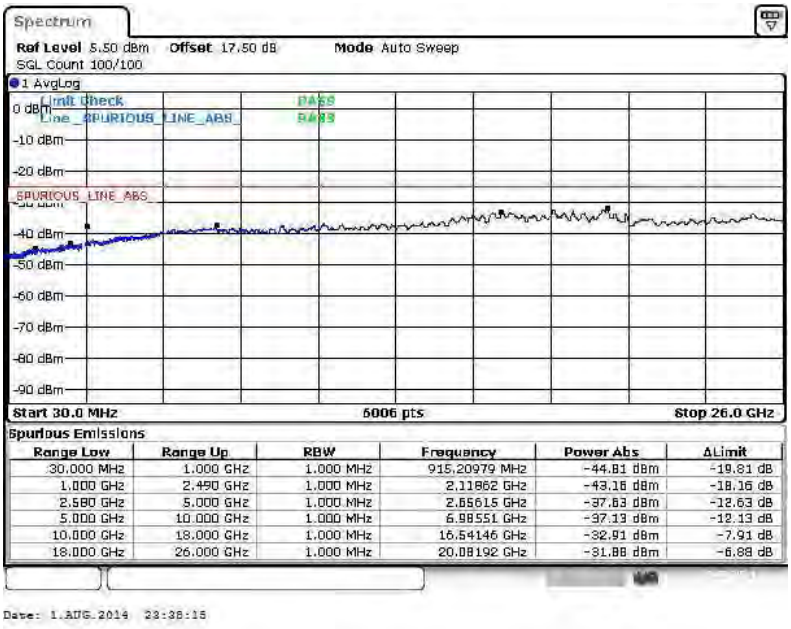


16QAM (RB Size 1, RB Offset 0)

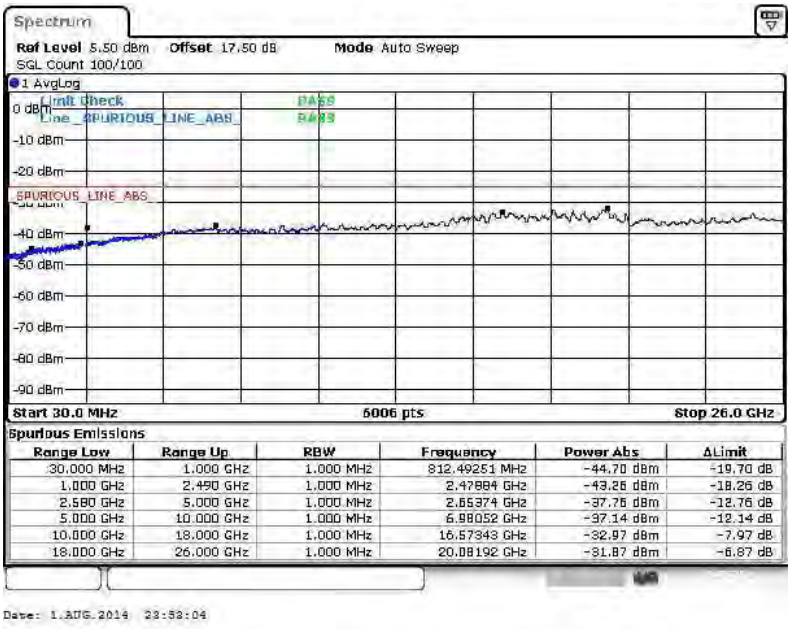


Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

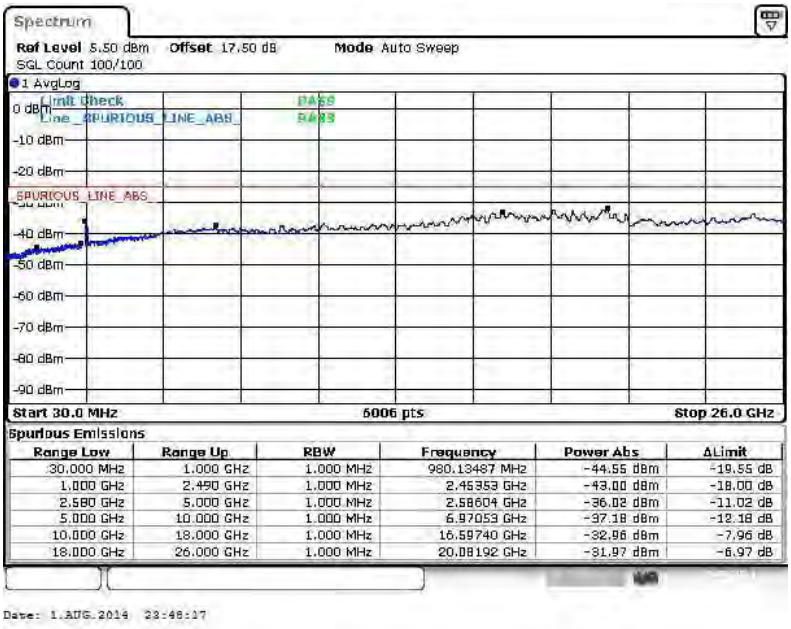


16QAM (RB Size 1, RB Offset 0)

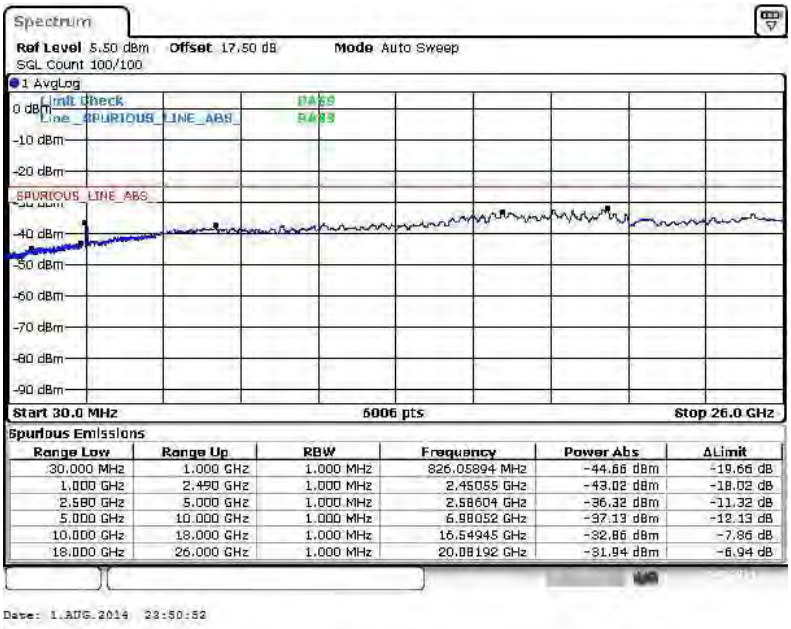


Band :	LTE Band 7	Channel :	CH21350 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

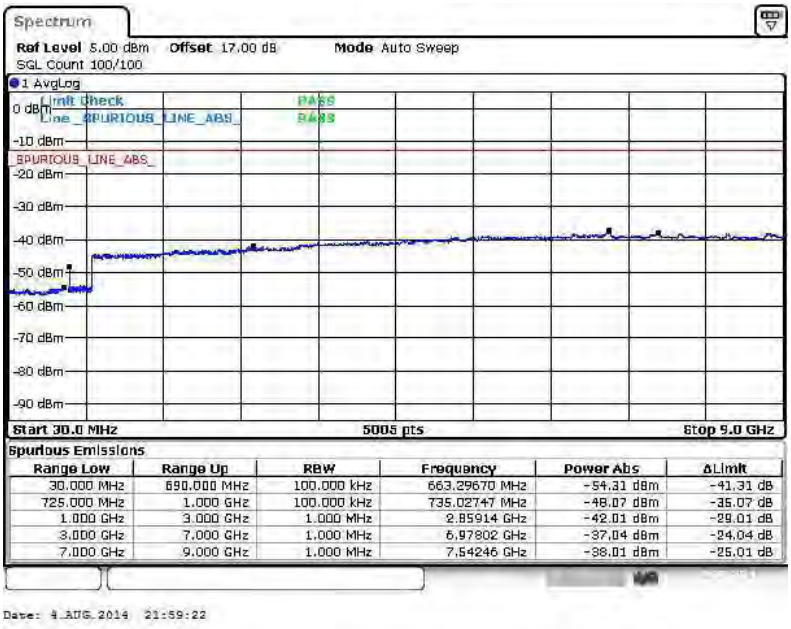


16QAM (RB Size 1, RB Offset 0)

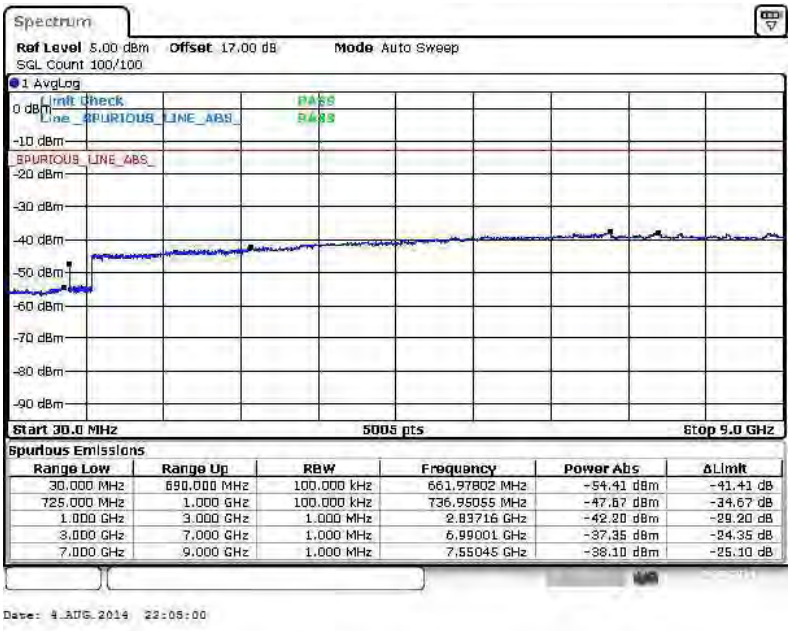


Band :	LTE Band 17	Channel :	CH23755 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

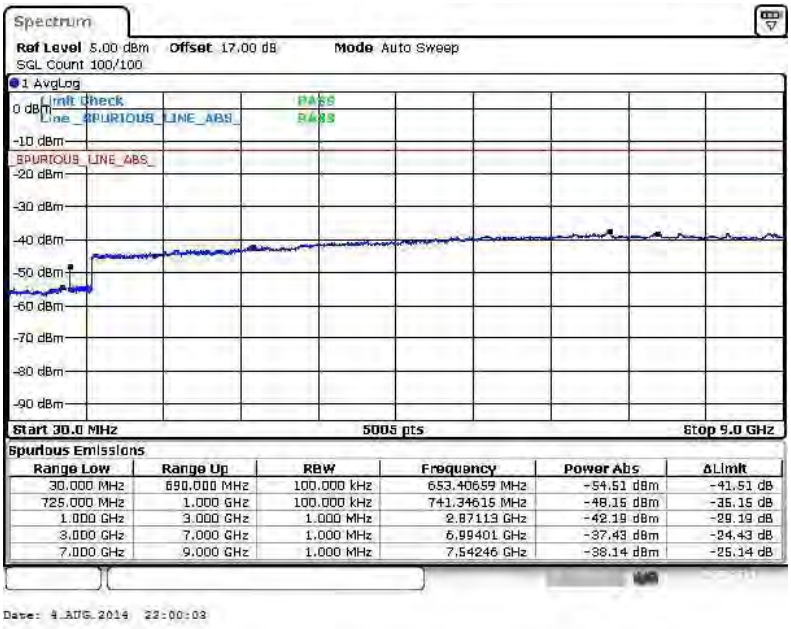


16QAM (RB Size 1, RB Offset 0)

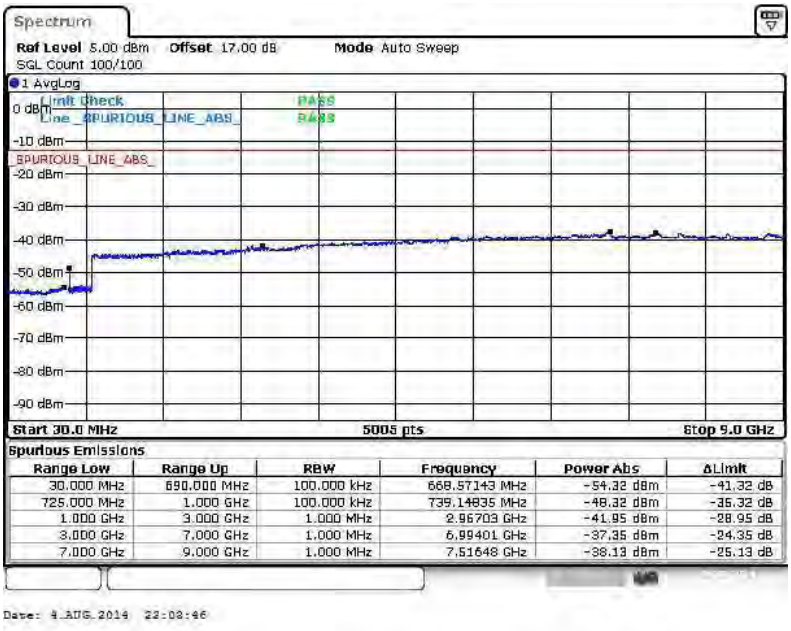


Band :	LTE Band 17	Channel :	CH23790 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

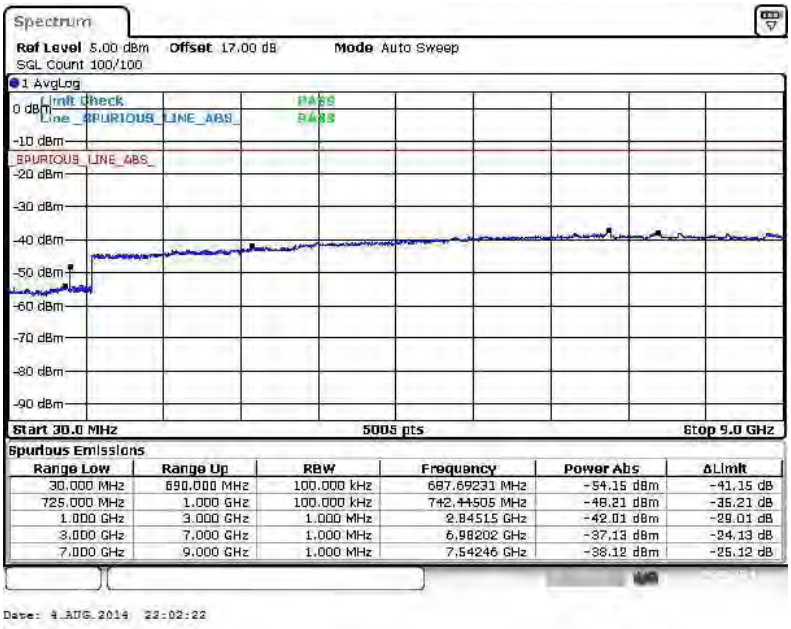


16QAM (RB Size 1, RB Offset 0)

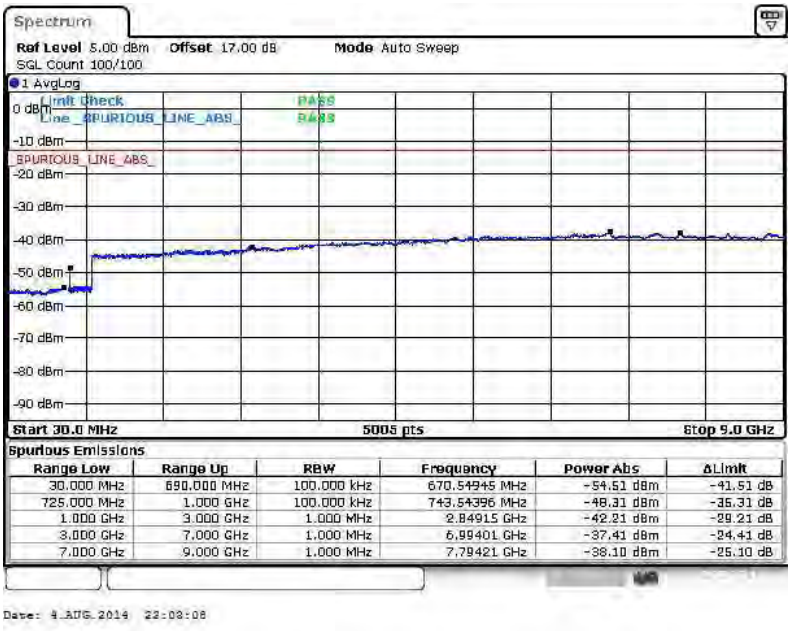


Band :	LTE Band 17	Channel :	CH23825 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

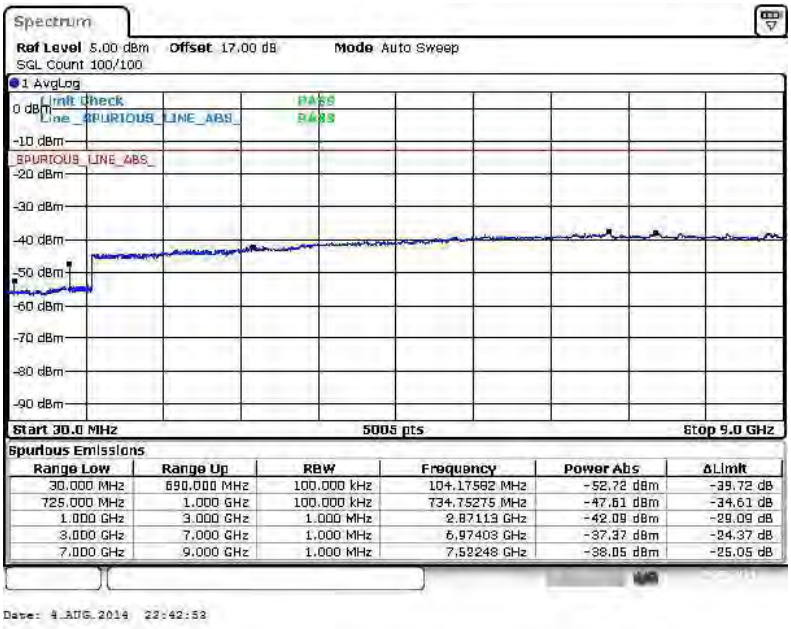


16QAM (RB Size 1, RB Offset 0)

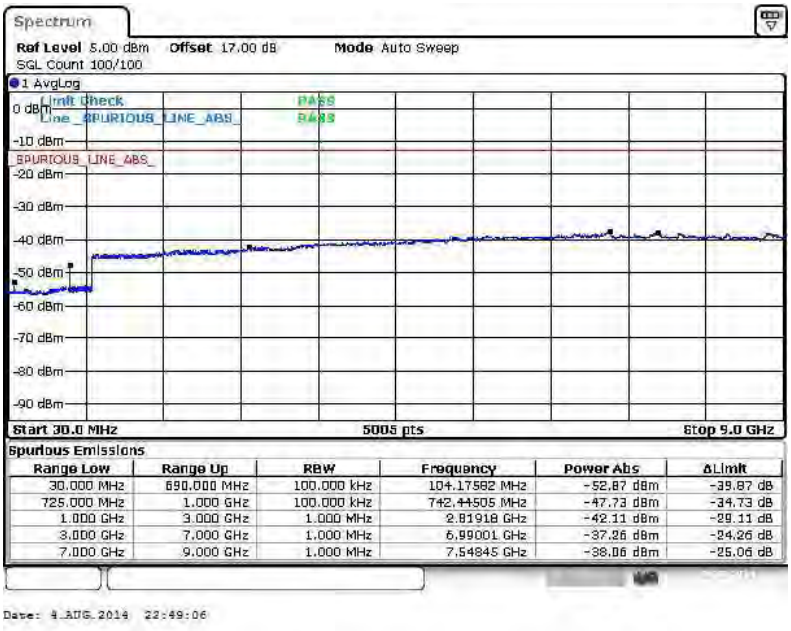


Band :	LTE Band 17	Channel :	CH23780 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

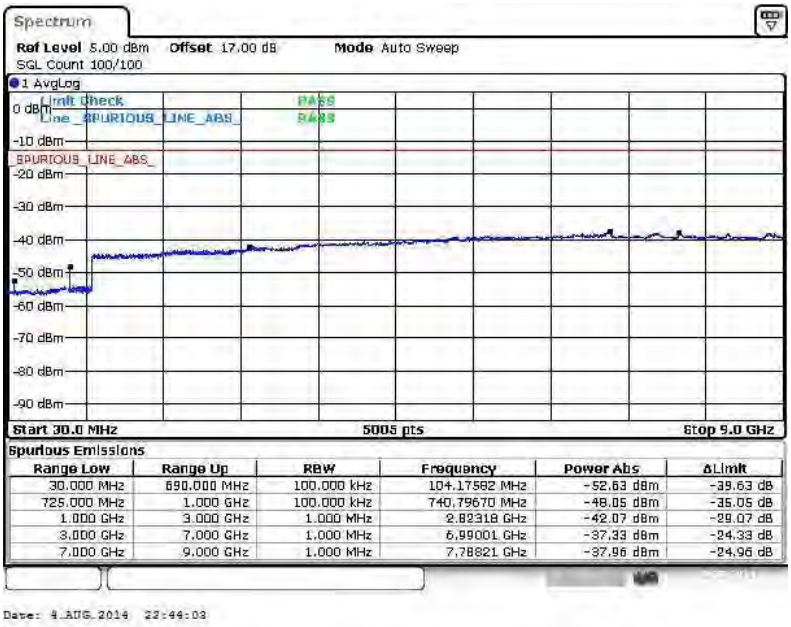


16QAM (RB Size 1, RB Offset 0)

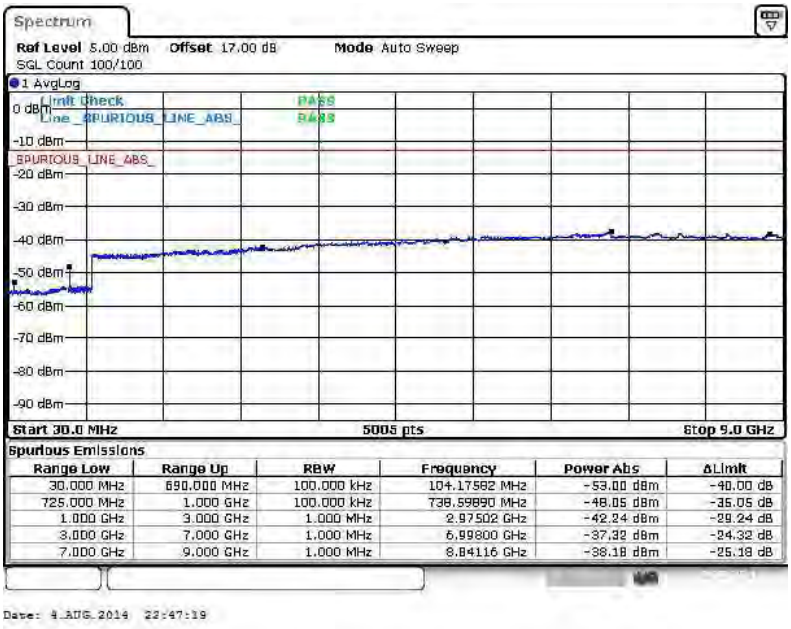


Band :	LTE Band 17	Channel :	CH23790 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

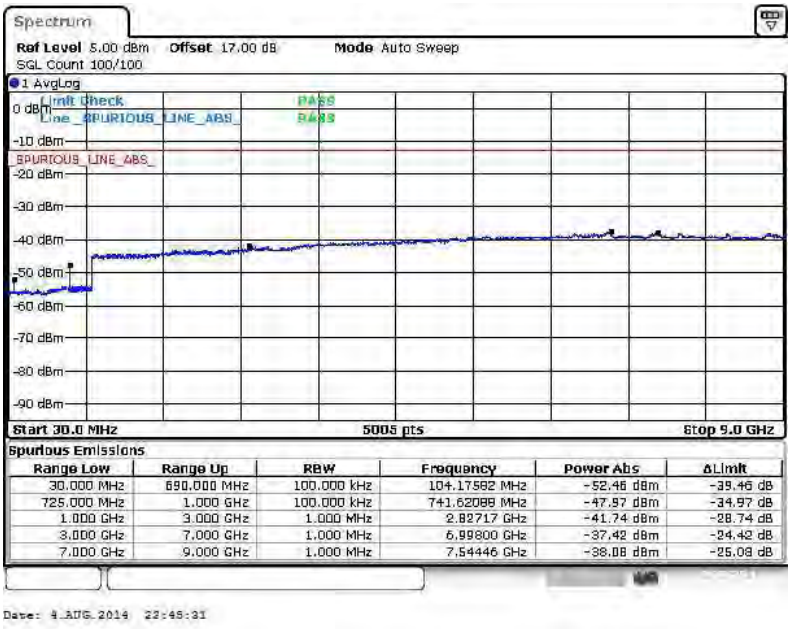


16QAM (RB Size 1, RB Offset 0)

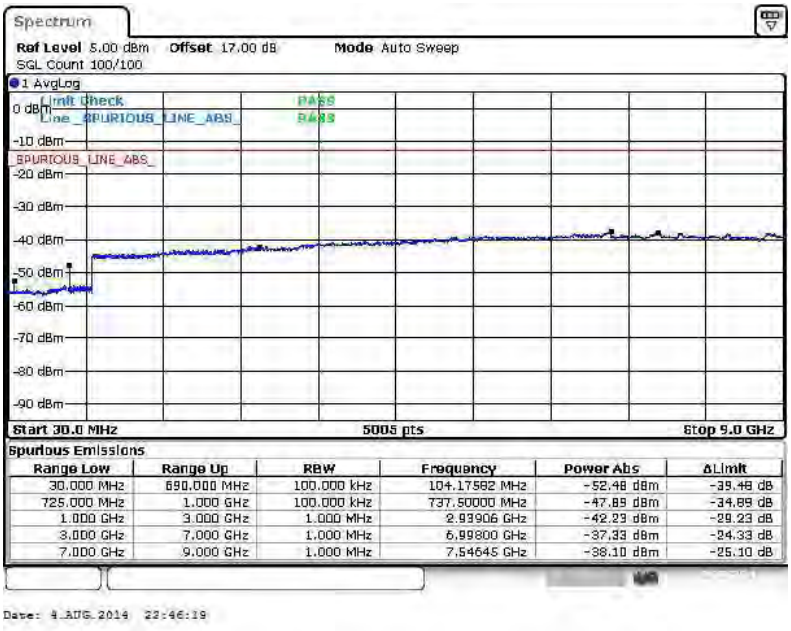


Band :	LTE Band 17	Channel :	CH23800 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



16QAM (RB Size 1, RB Offset 0)



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 LTE Band 17
For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) 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

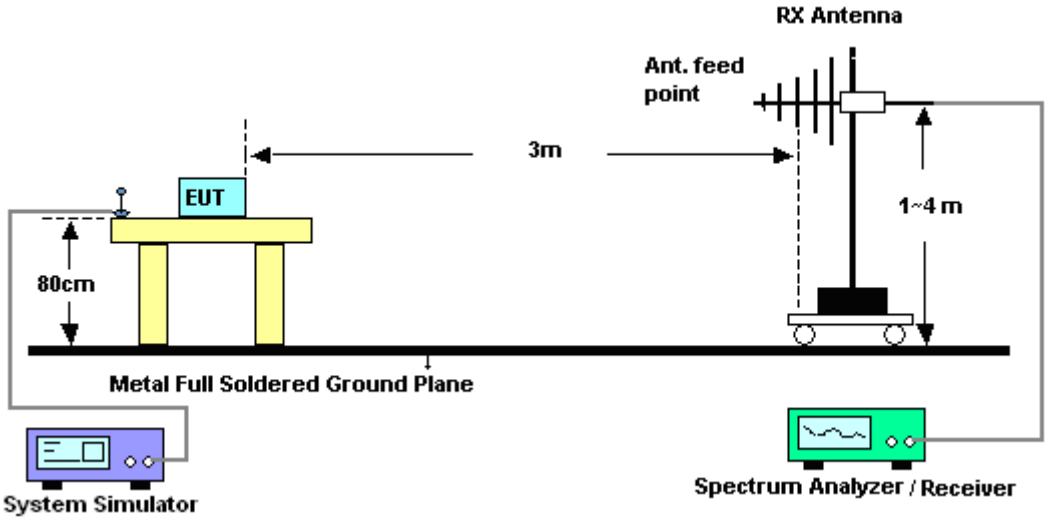
The measuring equipment is listed in the section 4 of this test report.

3.7.3 Test Procedures

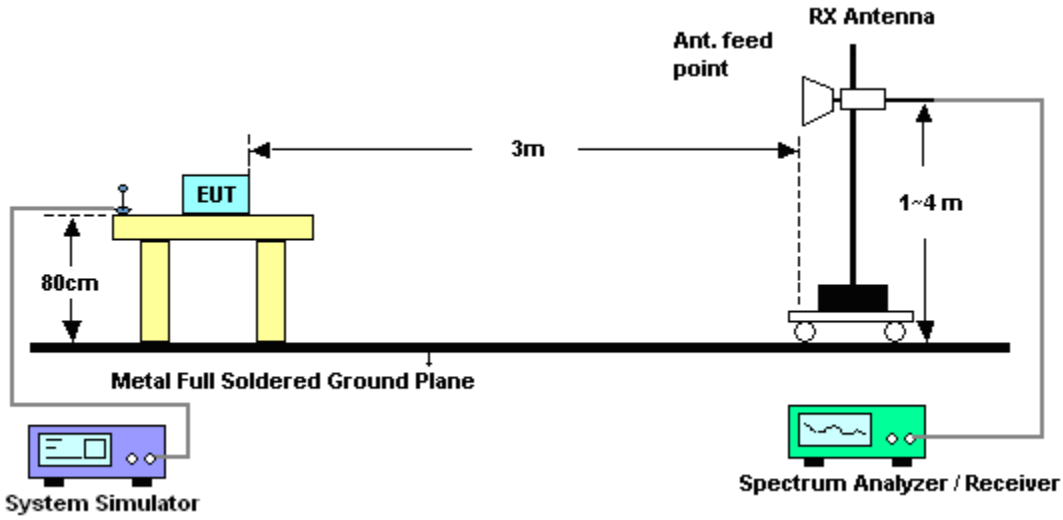
1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
    For Band 7
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)
    = -25dBm.
11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
12. ERP (dBm) = EIRP - 2.15

3.7.4 Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.7.5 Test Result of Field Strength of Spurious Radiated

Band :	LTE Band 2 for CH18607	**Temperature :**	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-61.96	-13	-48.96	-65.31	-68.34	0.78	7.16	H	Pass
5550	-56.61	-13	-43.61	-66.67	-65.15	1.04	9.58	H	Pass
7401	-54.11	-13	-41.11	-65.65	-64.22	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18607	**Temperature :**	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-54.59	-13	-41.59	-62.99	-60.97	0.78	7.16	V	Pass
5550	-53.73	-13	-40.73	-66.38	-62.27	1.04	9.58	V	Pass
7401	-52.04	-13	-39.04	-66.13	-62.15	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3759	-57.50	-13	-44.50	-61.62	-63.88	0.78	7.16	H	Pass
5638	-56.36	-13	-43.36	-66.42	-64.90	1.04	9.58	H	Pass
7518	-54.50	-13	-41.50	-66.04	-64.61	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3759	-53.40	-13	-40.40	-61.8	-59.78	0.78	7.16	V	Pass
5637	-54.43	-13	-41.43	-67.08	-62.97	1.04	9.58	V	Pass
7518	-52.17	-13	-39.17	-66.26	-62.28	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH19193	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3816	-54.93	-13	-41.93	-60.15	-61.31	0.78	7.16	H	Pass
5727	-52.97	-13	-39.97	-63.03	-61.51	1.04	9.58	H	Pass
7635	-52.59	-13	-39.59	-64.13	-62.70	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH19193	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3816	-53.61	-13	-40.61	-62.01	-59.99	0.78	7.16	V	Pass
5727	-51.62	-13	-38.62	-64.27	-60.16	1.04	9.58	V	Pass
7638	-49.42	-13	-36.42	-63.51	-59.53	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18615	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-60.41	-13	-47.41	-63.76	-66.79	0.78	7.16	H	Pass
5550	-57.10	-13	-44.10	-67.16	-65.64	1.04	9.58	H	Pass
7401	-54.67	-13	-41.67	-66.21	-64.78	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18615	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-54.64	-13	-41.64	-63.04	-61.02	0.78	7.16	V	Pass
5550	-54.70	-13	-41.70	-67.35	-63.24	1.04	9.58	V	Pass
7401	-51.57	-13	-38.57	-65.66	-61.68	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3757	-62.19	-13	-49.19	-65.54	-68.57	0.78	7.16	H	Pass
5634	-59.58	-13	-46.58	-69.64	-68.12	1.04	9.58	H	Pass
7515	-55.82	-13	-42.82	-67.36	-65.93	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-57.71	-13	-44.71	-66.11	-64.09	0.78	7.16	V	Pass
5635	-54.97	-13	-41.97	-67.62	-63.51	1.04	9.58	V	Pass
7515	-52.64	-13	-39.64	-66.73	-62.75	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH19185	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3813	-51.67	-13	-38.67	-58.47	-58.05	0.78	7.16	H	Pass
5721	-55.83	-13	-42.83	-65.89	-64.37	1.04	9.58	H	Pass
7629	-53.13	-13	-40.13	-64.67	-63.24	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH19185	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3813	-50.41	-13	-37.41	-59.34	-56.79	0.78	7.16	V	Pass
5721	-53.94	-13	-40.94	-66.59	-62.48	1.04	9.58	V	Pass
7629	-51.15	-13	-38.15	-65.24	-61.26	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18625	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-59.91	-13	-46.91	-63.26	-66.29	0.78	7.16	H	Pass
5550	-57.29	-13	-44.29	-67.35	-65.83	1.04	9.58	H	Pass
7401	-54.14	-13	-41.14	-65.68	-64.25	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18625	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-54.51	-13	-41.51	-62.91	-60.89	0.78	7.16	V	Pass
5550	-55.38	-13	-42.38	-68.03	-63.92	1.04	9.58	V	Pass
7401	-51.95	-13	-38.95	-66.04	-62.06	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-60.50	-13	-47.50	-63.85	-66.88	0.78	7.16	H	Pass
5632	-57.99	-13	-44.99	-68.05	-66.53	1.04	9.58	H	Pass
7509	-54.71	-13	-41.71	-66.25	-64.82	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-54.22	-13	-41.22	-62.62	-60.60	0.78	7.16	V	Pass
5632	-55.35	-13	-42.35	-68	-63.89	1.04	9.58	V	Pass
7509	-52.55	-13	-39.55	-66.64	-62.66	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH19175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-53.40	-13	-40.40	-59.55	-59.78	0.78	7.16	H	Pass
5715	-57.87	-13	-44.87	-67.93	-66.41	1.04	9.58	H	Pass
7620	-54.58	-13	-41.58	-66.12	-64.69	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH19175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-50.29	-13	-37.29	-59.26	-56.67	0.78	7.16	V	Pass
5715	-54.62	-13	-41.62	-67.27	-63.16	1.04	9.58	V	Pass
7620	-51.85	-13	-38.85	-65.94	-61.96	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18650	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-60.75	-13	-47.75	-64.10	-67.13	0.78	7.16	H	Pass
5550	-56.68	-13	-43.68	-66.74	-65.22	1.04	9.58	H	Pass
7401	-54.90	-13	-41.90	-66.44	-65.01	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18650	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-53.89	-13	-40.89	-62.29	-60.27	0.78	7.16	V	Pass
5553	-52.96	-13	-39.96	-65.61	-61.50	1.04	9.58	V	Pass
7401	-52.05	-13	-39.05	-66.14	-62.16	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3750	-53.20	-13	-40.20	-59.49	-59.58	0.78	7.16	H	Pass
5625	-56.04	-13	-43.04	-66.10	-64.58	1.04	9.58	H	Pass
7500	-54.64	-13	-41.64	-66.18	-64.75	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3750	-49.02	-13	-36.02	-58.17	-55.40	0.78	7.16	V	Pass
5625	-53.63	-13	-40.63	-66.28	-62.17	1.04	9.58	V	Pass
7500	-52.43	-13	-39.43	-66.52	-62.54	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH19150	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3801	-55.02	-13	-42.02	-60.20	-61.40	0.78	7.16	H	Pass
5703	-54.63	-13	-41.63	-64.69	-63.17	1.04	9.58	H	Pass
7599	-54.97	-13	-41.97	-66.51	-65.08	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH19150	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3801	-53.22	-13	-40.22	-61.62	-59.60	0.78	7.16	V	Pass
5700	-54.04	-13	-41.04	-66.69	-62.58	1.04	9.58	V	Pass
7602	-50.85	-13	-37.85	-64.94	-60.96	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18675	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-62.30	-13	-49.30	-65.65	-68.68	0.78	7.16	H	Pass
5550	-57.39	-13	-44.39	-67.45	-65.93	1.04	9.58	H	Pass
7401	-55.69	-13	-42.69	-67.23	-65.80	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18675	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-54.61	-13	-41.61	-63.01	-60.99	0.78	7.16	V	Pass
5550	-53.61	-13	-40.61	-66.26	-62.15	1.04	9.58	V	Pass
7401	-52.78	-13	-39.78	-66.87	-62.89	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3747	-57.62	-13	-44.62	-61.63	-64.00	0.78	7.16	H	Pass
5617	-58.15	-13	-45.15	-68.21	-66.69	1.04	9.58	H	Pass
7491	-54.10	-13	-41.10	-65.64	-64.21	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3747	-52.69	-13	-39.69	-61.09	-59.07	0.78	7.16	V	Pass
5618	-54.56	-13	-41.56	-67.21	-63.10	1.04	9.58	V	Pass
7491	-51.96	-13	-38.96	-66.05	-62.07	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH19125	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3792	-58.00	-13	-45.00	-61.66	-64.38	0.78	7.16	H	Pass
5685	-57.71	-13	-44.71	-67.77	-66.25	1.04	9.58	H	Pass
7581	-55.17	-13	-42.17	-66.71	-65.28	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH19125	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3792	-53.12	-13	-40.12	-61.52	-59.50	0.78	7.16	V	Pass
5688	-51.10	-13	-38.10	-63.75	-59.64	1.04	9.58	V	Pass
7581	-52.78	-13	-39.78	-66.87	-62.89	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18700	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-60.38	-13	-47.38	-63.73	-66.76	0.78	7.16	H	Pass
5550	-55.60	-13	-42.60	-65.66	-64.14	1.04	9.58	H	Pass
7401	-55.10	-13	-42.10	-66.64	-65.21	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18700	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-57.49	-13	-44.49	-65.89	-63.87	0.78	7.16	V	Pass
5550	-55.72	-13	-42.72	-68.37	-64.26	1.04	9.58	V	Pass
7401	-52.04	-13	-39.04	-66.13	-62.15	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3741	-55.75	-13	-42.75	-60.94	-62.13	0.78	7.16	H	Pass
5610	-57.85	-13	-44.85	-67.91	-66.39	1.04	9.58	H	Pass
7479	-54.23	-13	-41.23	-65.77	-64.34	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3741	-53.53	-13	-40.53	-61.93	-59.91	0.78	7.16	V	Pass
5610	-55.40	-13	-42.40	-68.05	-63.94	1.04	9.58	V	Pass
7479	-52.09	-13	-39.09	-66.18	-62.20	1.35	11.46	V	Pass

Band :	LTE Band 2 for CH19100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3780	-62.99	-13	-49.99	-66.34	-69.37	0.78	7.16	H	Pass
5673	-53.93	-13	-40.93	-63.99	-62.47	1.04	9.58	H	Pass
7560	-54.90	-13	-41.90	-66.44	-65.01	1.35	11.46	H	Pass

Band :	LTE Band 2 for CH19100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3780	-56.95	-13	-43.95	-65.35	-63.33	0.78	7.16	V	Pass
5676	-52.33	-13	-39.33	-64.98	-60.87	1.04	9.58	V	Pass
7560	-52.48	-13	-39.48	-66.57	-62.59	1.35	11.46	V	Pass

Band :	LTE Band 4 for CH19957	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-61.55	-13	-48.55	-63.78	-66.95	2.2	7.60	H	Pass
5130	-43.14	-13	-30.14	-58.36	-49.92	3.12	9.90	H	Pass
6840	-55.93	-13	-42.93	-64.22	-63.82	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH19957	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-61.93	-13	-48.93	-62.95	-67.33	2.2	7.6	V	Pass
5130	-54.35	-13	-41.35	-62.32	-61.13	3.12	9.9	V	Pass
6840	-54.52	-13	-41.52	-65.04	-62.41	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-63.96	-13	-50.96	-66.19	-69.36	2.2	7.60	H	Pass
5195.4	-52.53	-13	-39.53	-63.54	-59.31	3.12	9.90	H	Pass
6927	-57.25	-13	-44.25	-65.54	-65.14	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3464	-63.52	-13	-50.52	-64.54	-68.92	2.2	7.6	V	Pass
5196	-56.68	-13	-43.68	-64.65	-63.46	3.12	9.9	V	Pass
6927	-55.68	-13	-42.68	-66.2	-63.57	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20393	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-62.40	-13	-49.40	-64.63	-67.80	2.2	7.60	H	Pass
5261	-55.02	-13	-42.02	-64.89	-61.80	3.12	9.90	H	Pass
7014	-58.41	-13	-45.41	-66.70	-66.30	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20393	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-61.13	-13	-48.13	-62.15	-66.53	2.2	7.6	V	Pass
5260	-59.18	-13	-46.18	-67.15	-65.96	3.12	9.9	V	Pass
7014	-56.40	-13	-43.40	-66.92	-64.29	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH19965	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.61	-13	-49.61	-64.84	-68.01	2.2	7.60	H	Pass
5130	-46.20	-13	-33.20	-60.11	-52.98	3.12	9.90	H	Pass
6840	-56.21	-13	-43.21	-64.50	-64.10	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH19965	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.28	-13	-49.28	-63.3	-67.68	2.2	7.6	V	Pass
5133	-55.61	-13	-42.61	-63.58	-62.39	3.12	9.9	V	Pass
6840	-53.47	-13	-40.47	-63.99	-61.36	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-62.53	-13	-49.53	-64.76	-67.93	2.2	7.60	H	Pass
5196	-51.06	-13	-38.06	-62.58	-57.84	3.12	9.90	H	Pass
6924	-57.46	-13	-44.46	-65.75	-65.35	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-63.77	-13	-50.77	-64.79	-69.17	2.2	7.6	V	Pass
5193	-58.57	-13	-45.57	-66.54	-65.35	3.12	9.9	V	Pass
6924	-55.66	-13	-42.66	-66.18	-63.55	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20385	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-60.38	-13	-47.38	-62.61	-65.78	2.2	7.60	H	Pass
5256	-55.62	-13	-42.62	-65.49	-62.40	3.12	9.90	H	Pass
7008	-57.43	-13	-44.43	-65.72	-65.32	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20385	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-61.83	-13	-48.83	-62.85	-67.23	2.2	7.6	V	Pass
5256	-56.10	-13	-43.10	-64.07	-62.88	3.12	9.9	V	Pass
7008	-56.00	-13	-43.00	-66.52	-63.89	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH19975	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-60.74	-13	-47.74	-62.97	-66.14	2.2	7.60	H	Pass
5133	-45.12	-13	-32.12	-59.50	-51.90	3.12	9.90	H	Pass
6840	-54.85	-13	-41.85	-63.14	-62.74	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH19975	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-61.70	-13	-48.70	-62.72	-67.10	2.2	7.6	V	Pass
5133	-55.46	-13	-42.46	-63.43	-62.24	3.12	9.9	V	Pass
6840	-53.51	-13	-40.51	-64.03	-61.40	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3460	-63.70	-13	-50.70	-65.93	-69.10	2.2	7.60	H	Pass
5193	-48.07	-13	-35.07	-61.20	-54.85	3.12	9.90	H	Pass
6921	-58.29	-13	-45.29	-66.58	-66.18	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3459	-63.92	-13	-50.92	-64.94	-69.32	2.2	7.6	V	Pass
5190	-58.45	-13	-45.45	-66.42	-65.23	3.12	9.9	V	Pass
6921	-55.65	-13	-42.65	-66.17	-63.54	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20375	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3501	-61.12	-13	-48.12	-63.35	-66.52	2.2	7.60	H	Pass
5253	-54.63	-13	-41.63	-64.50	-61.41	3.12	9.90	H	Pass
6999	-58.71	-13	-45.71	-67.00	-66.60	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20375	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3501	-60.30	-13	-47.30	-61.32	-65.70	2.2	7.6	V	Pass
5250	-59.26	-13	-46.26	-67.23	-66.04	3.12	9.9	V	Pass
6999	-56.81	-13	-43.81	-67.33	-64.70	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20000	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.15	-13	-49.15	-64.38	-67.55	2.2	7.60	H	Pass
5133	-45.32	-13	-32.32	-59.61	-52.10	3.12	9.90	H	Pass
6840	-58.32	-13	-45.32	-66.61	-66.21	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20000	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.17	-13	-49.17	-63.19	-67.57	2.2	7.6	V	Pass
5133	-55.89	-13	-42.89	-63.86	-62.67	3.12	9.9	V	Pass
6843	-53.17	-13	-40.17	-63.69	-61.06	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3456	-63.07	-13	-50.07	-65.30	-68.47	2.2	7.60	H	Pass
5184	-51.35	-13	-38.35	-61.22	-58.13	3.12	9.90	H	Pass
6909	-56.85	-13	-43.85	-65.14	-64.74	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3456	-64.45	-13	-51.45	-65.47	-73.94	2.97	12.46	V	Pass
5184	-55.79	-13	-42.79	-63.76	-64.95	3.46	12.62	V	Pass
6909	-55.69	-13	-42.69	-66.21	-63.79	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20350	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3489	-61.16	-13	-48.16	-63.39	-66.56	2.2	7.60	H	Pass
5238	-52.28	-13	-39.28	-62.15	-59.06	3.12	9.90	H	Pass
6981	-58.32	-13	-45.32	-66.61	-66.21	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20350	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3489	-60.08	-13	-47.08	-61.1	-65.48	2.2	7.6	V	Pass
5235	-57.95	-13	-44.95	-65.92	-64.73	3.12	9.9	V	Pass
6981	-55.32	-13	-42.32	-65.84	-63.21	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20025	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-61.91	-13	-48.91	-64.14	-67.31	2.2	7.60	H	Pass
5133	-43.25	-13	-30.25	-58.43	-50.03	3.12	9.90	H	Pass
6840	-58.47	-13	-45.47	-66.76	-66.36	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20025	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.65	-13	-49.65	-63.67	-68.05	2.2	7.6	V	Pass
5133	-55.60	-13	-42.60	-63.57	-62.38	3.12	9.9	V	Pass
6843	-52.59	-13	-39.59	-63.11	-60.48	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3450	-63.40	-13	-50.40	-65.63	-68.80	2.2	7.60	H	Pass
5175	-57.05	-13	-44.05	-66.92	-63.83	3.12	9.90	H	Pass
6900	-58.67	-13	-45.67	-66.96	-66.56	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3450	-64.87	-13	-51.87	-65.89	-74.36	2.97	12.46	V	Pass
5175	-59.35	-13	-46.35	-67.32	-68.51	3.46	12.62	V	Pass
6900	-56.54	-13	-43.54	-67.06	-64.64	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20325	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3480	-62.34	-13	-49.34	-64.57	-67.74	2.2	7.60	H	Pass
5223	-49.50	-13	-36.50	-61.91	-56.28	3.12	9.90	H	Pass
6960	-57.97	-13	-44.97	-66.26	-65.86	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20325	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3480	-60.77	-13	-47.77	-61.79	-66.17	2.2	7.6	V	Pass
5223	-56.41	-13	-43.41	-64.38	-63.19	3.12	9.9	V	Pass
6960	-56.51	-13	-43.51	-67.03	-64.40	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20050	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.00	-13	-49.00	-64.23	-67.40	2.2	7.60	H	Pass
5133	-45.62	-13	-32.62	-59.78	-52.40	3.12	9.90	H	Pass
6840	-58.25	-13	-45.25	-66.54	-66.14	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20050	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.75	-13	-49.75	-63.77	-68.15	2.2	7.6	V	Pass
5133	-54.59	-13	-41.59	-62.56	-61.37	3.12	9.9	V	Pass
6843	-51.95	-13	-38.95	-62.47	-59.84	2.98	10.87	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3445	-63.02	-13	-50.02	-65.25	-68.42	2.2	7.60	H	Pass
5172	-51.26	-13	-38.26	-62.75	-58.04	3.12	9.90	H	Pass
6891	-57.45	-13	-44.45	-65.74	-65.34	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3444	-64.10	-13	-51.10	-65.12	-73.59	2.97	12.46	V	Pass
5167.5	-59.13	-13	-46.13	-67.1	-68.29	3.46	12.62	V	Pass
6891	-55.47	-13	-42.47	-65.99	-63.57	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20300	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3470	-61.84	-13	-48.84	-64.07	-67.24	2.2	7.60	H	Pass
5208	-46.91	-13	-33.91	-60.52	-53.69	3.12	9.90	H	Pass
6939	-57.48	-13	-44.48	-65.77	-65.37	2.98	10.87	H	Pass

Band :	LTE Band 4 for CH20300	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3471	-61.79	-13	-48.79	-62.81	-67.19	2.2	7.6	V	Pass
5205	-59.08	-13	-46.08	-67.05	-65.86	3.12	9.9	V	Pass
6939	-55.14	-13	-42.14	-65.66	-63.03	2.98	10.87	V	Pass

Band :	LTE Band 5 for CH20407	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-60.18	-13	-47.18	-55.48	-60.83	0.57	3.37	H	Pass
2474	-66.31	-13	-53.31	-64.98	-68.54	0.78	5.16	H	Pass
3296	-60.62	-13	-47.62	-60.25	-64.26	0.87	6.66	H	Pass
4122	-64.14	-13	-51.14	-63.83	-68.73	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20407	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-53.25	-13	-40.25	-55.34	-53.90	0.57	3.37	V	Pass
2474	-60.93	-13	-47.93	-63.36	-63.16	0.78	5.16	V	Pass
3296	-63.02	-13	-50.02	-64.08	-66.66	0.87	6.66	V	Pass
4122	-58.22	-13	-45.22	-61.95	-62.81	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20525	**Temperature :**	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1672	-57.85	-13	-44.85	-54.23	-58.50	0.57	3.37	H	Pass
2508	-68.12	-13	-55.12	-66.79	-70.35	0.78	5.16	H	Pass
3344	-58.36	-13	-45.36	-58.36	-62.00	0.87	6.66	H	Pass
4180	-62.99	-13	-49.99	-62.68	-67.58	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20525	**Temperature :**	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1672	-59.63	-13	-46.63	-59.10	-60.28	0.57	3.37	V	Pass
2508	-63.56	-13	-50.56	-65.99	-65.79	0.78	5.16	V	Pass
3344	-57.14	-13	-44.14	-60.28	-60.78	0.87	6.66	V	Pass
4180	-60.67	-13	-47.67	-63.35	-65.26	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20643	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-61.25	-13	-48.25	-56.11	-61.90	0.57	3.37	H	Pass
2544	-58.89	-13	-45.89	-58.62	-61.12	0.78	5.16	H	Pass
3390	-61.54	-13	-48.54	-61.17	-65.18	0.87	6.66	H	Pass
4240	-63.14	-13	-50.14	-62.83	-67.73	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20643	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-53.91	-13	-40.91	-55.81	-54.56	0.57	3.37	V	Pass
2544	-58.35	-13	-45.35	-61.63	-60.58	0.78	5.16	V	Pass
3392	-58.21	-13	-45.21	-60.68	-61.85	0.87	6.66	V	Pass
4246	-61.41	-13	-48.41	-64.09	-66.00	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20415	**Temperature :**	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-59.13	-13	-46.13	-54.95	-59.78	0.57	3.37	H	Pass
2474	-66.87	-13	-53.87	-65.54	-69.10	0.78	5.16	H	Pass
3296	-62.47	-13	-49.47	-62.10	-66.11	0.87	6.66	H	Pass
4122	-63.15	-13	-50.15	-62.84	-67.74	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20415	**Temperature :**	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-52.83	-13	-39.83	-55.01	-53.48	0.57	3.37	V	Pass
2474	-57.84	-13	-44.84	-61.37	-60.07	0.78	5.16	V	Pass
3296	-63.23	-13	-50.23	-64.29	-66.87	0.87	6.66	V	Pass
4122	-57.60	-13	-44.60	-61.65	-62.19	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20525	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-60.51	-13	-47.51	-55.72	-61.16	0.57	3.37	H	Pass
2504	-67.23	-13	-54.23	-65.90	-69.46	0.78	5.16	H	Pass
3340	-60.27	-13	-47.27	-59.90	-63.91	0.87	6.66	H	Pass
4176	-63.36	-13	-50.36	-63.05	-67.95	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20525	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-57.50	-13	-44.50	-58.01	-58.15	0.57	3.37	V	Pass
2504	-63.56	-13	-50.56	-65.99	-65.79	0.78	5.16	V	Pass
3340	-56.26	-13	-43.26	-60.04	-59.90	0.87	6.66	V	Pass
4176	-61.55	-13	-48.55	-64.23	-66.14	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20635	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1692	-68.98	-13	-55.98	-60.11	-69.63	0.57	3.37	H	Pass
2540	-58.22	-13	-45.22	-58.26	-60.45	0.78	5.16	H	Pass
3384	-63.26	-13	-50.26	-62.89	-66.90	0.87	6.66	H	Pass
4238	-67.23	-13	-54.23	-66.92	-71.82	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20635	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1692	-63.73	-13	-50.73	-61.19	-64.38	0.57	3.37	V	Pass
2540	-61.38	-13	-48.38	-63.81	-63.61	0.78	5.16	V	Pass
3384	-61.12	-13	-48.12	-62.18	-64.76	0.87	6.66	V	Pass
4238	-64.07	-13	-51.07	-66.75	-68.66	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20425	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-57.48	-13	-44.48	-53.89	-58.13	0.57	3.37	H	Pass
2474	-65.71	-13	-52.71	-64.38	-67.94	0.78	5.16	H	Pass
3296	-62.52	-13	-49.52	-62.15	-66.16	0.87	6.66	H	Pass
4122	-64.30	-13	-51.30	-63.99	-68.89	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20425	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-54.50	-13	-41.50	-56.13	-55.15	0.57	3.37	V	Pass
2474	-55.53	-13	-42.53	-60.09	-57.76	0.78	5.16	V	Pass
3296	-63.58	-13	-50.58	-64.64	-67.22	0.87	6.66	V	Pass
4122	-60.16	-13	-47.16	-62.84	-64.75	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20525	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-57.61	-13	-44.61	-54.01	-58.26	0.57	3.37	H	Pass
2504	-66.87	-13	-53.87	-65.54	-69.10	0.78	5.16	H	Pass
3338	-60.24	-13	-47.24	-59.87	-63.88	0.87	6.66	H	Pass
4172	-63.05	-13	-50.05	-62.74	-67.64	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20525	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-60.41	-13	-47.41	-59.65	-61.06	0.57	3.37	V	Pass
2504	-63.45	-13	-50.45	-65.88	-65.68	0.78	5.16	V	Pass
3338	-58.39	-13	-45.39	-60.76	-62.03	0.87	6.66	V	Pass
4172	-60.12	-13	-47.12	-62.80	-64.71	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20625	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1688	-70.83	-13	-57.83	-61.95	-71.48	0.57	3.37	H	Pass
2534	-58.52	-13	-45.52	-58.42	-60.75	0.78	5.16	H	Pass
3376	-64.60	-13	-51.60	-64.23	-68.24	0.87	6.66	H	Pass

Band :	LTE Band 5 for CH20625	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1688	-66.72	-13	-53.72	-62.92	-67.37	0.57	3.37	V	Pass
2534	-60.36	-13	-47.36	-62.79	-62.59	0.78	5.16	V	Pass
3376	-60.60	-13	-47.60	-61.95	-64.24	0.87	6.66	V	Pass

Band :	LTE Band 5 for CH20450	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1650	-56.47	-13	-43.47	-53.08	-57.12	0.57	3.37	H	Pass
2474	-63.05	-13	-50.05	-61.72	-65.28	0.78	5.16	H	Pass
3298	-62.42	-13	-49.42	-62.05	-66.06	0.87	6.66	H	Pass
4124	-63.84	-13	-50.84	-63.53	-68.43	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20450	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1650	-55.09	-13	-42.09	-56.46	-55.74	0.57	3.37	V	Pass
2474	-55.50	-13	-42.50	-60.07	-57.73	0.78	5.16	V	Pass
3298	-63.18	-13	-50.18	-64.24	-66.82	0.87	6.66	V	Pass
4124	-60.17	-13	-47.17	-62.85	-64.76	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20525	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1664	-53.82	-13	-40.82	-51.34	-54.47	0.57	3.37	H	Pass
2498	-61.96	-13	-48.96	-60.63	-64.19	0.78	5.16	H	Pass
3328	-57.81	-13	-44.81	-58.15	-61.45	0.87	6.66	H	Pass
4162	-64.33	-13	-51.33	-64.02	-68.92	0.97	7.71	H	Pass

Band :	LTE Band 5 for CH20525	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1664	-54.30	-13	-41.30	-56.03	-54.95	0.57	3.37	V	Pass
2498	-56.28	-13	-43.28	-60.57	-58.51	0.78	5.16	V	Pass
3328	-60.50	-13	-47.50	-61.92	-64.14	0.87	6.66	V	Pass
4162	-60.66	-13	-47.66	-63.34	-65.25	0.97	7.71	V	Pass

Band :	LTE Band 5 for CH20600	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1680	-60.45	-13	-47.45	-55.68	-61.10	0.57	3.37	H	Pass
2520	-60.48	-13	-47.48	-59.24	-62.71	0.78	5.16	H	Pass
3358	-62.26	-13	-49.26	-61.89	-65.90	0.87	6.66	H	Pass

Band :	LTE Band 5 for CH20600	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1680	-53.77	-13	-40.77	-55.71	-54.42	0.57	3.37	V	Pass
2520	-60.00	-13	-47.00	-62.43	-62.23	0.78	5.16	V	Pass
3358	-59.86	-13	-46.86	-61.68	-63.50	0.87	6.66	V	Pass

Band :	LTE Band 7 for CH20775	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-61.35	-25	-36.35	-62.99	-67.73	0.78	7.16	H	Pass
7502	-51.63	-25	-26.63	-63.17	-60.17	1.04	9.58	H	Pass
10000	-50.91	-25	-25.91	-65.75	-61.02	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH20775	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-55.22	-25	-30.22	-62.27	-61.60	0.78	7.16	V	Pass
7500	-51.99	-25	-26.99	-66.08	-60.53	1.04	9.58	V	Pass
10000	-53.32	-25	-28.32	-65.97	-63.43	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5066	-63.35	-25	-38.35	-64.99	-69.73	0.78	7.16	H	Pass
7598	-53.61	-25	-28.61	-65.15	-62.15	1.04	9.58	H	Pass
10128	-51.89	-25	-26.89	-66.73	-62.00	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5066	-56.69	-25	-31.69	-63.24	-63.07	0.78	7.16	V	Pass
7597	-51.99	-25	-26.99	-66.08	-60.53	1.04	9.58	V	Pass
10128	-54.62	-25	-29.62	-67.27	-64.73	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21425	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5129	-63.95	-25	-38.95	-65.59	-70.33	0.78	7.16	H	Pass
7695	-54.85	-25	-29.85	-66.39	-63.39	1.04	9.58	H	Pass
10260	-50.97	-25	-25.97	-65.81	-61.08	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21425	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5129	-58.82	-25	-33.82	-65.37	-65.20	0.78	7.16	V	Pass
7697	-51.31	-25	-26.31	-65.4	-59.85	1.04	9.58	V	Pass
10260	-53.61	-25	-28.61	-66.26	-63.72	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH20800	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-61.70	-25	-36.70	-63.34	-68.08	0.78	7.16	H	Pass
7502	-51.70	-25	-26.70	-63.24	-60.24	1.04	9.58	H	Pass
10000	-50.71	-25	-25.71	-65.55	-60.82	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH20800	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-55.50	-25	-30.50	-62.37	-61.88	0.78	7.16	V	Pass
7500	-52.57	-25	-27.57	-66.66	-61.11	1.04	9.58	V	Pass
10000	-52.89	-25	-27.89	-65.54	-63.00	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060	-62.28	-25	-37.28	-63.92	-68.66	0.78	7.16	H	Pass
7592	-48.26	-25	-23.26	-60.80	-56.80	1.04	9.58	H	Pass
10120	-50.70	-25	-25.70	-65.54	-60.81	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060	-56.27	-25	-31.27	-62.82	-62.65	0.78	7.16	V	Pass
7592	-48.72	-25	-23.72	-62.81	-57.26	1.04	9.58	V	Pass
10120	-53.57	-25	-28.57	-66.22	-63.68	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21400	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5120	-63.50	-25	-38.50	-65.14	-69.88	0.78	7.16	H	Pass
7682	-53.48	-25	-28.48	-65.02	-62.02	1.04	9.58	H	Pass
10240	-50.89	-25	-25.89	-65.73	-61.00	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21400	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5120	-56.50	-25	-31.50	-63.05	-62.88	0.78	7.16	V	Pass
7682	-48.97	-25	-23.97	-63.06	-57.51	1.04	9.58	V	Pass
10240	-53.05	-25	-28.05	-65.7	-63.16	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH20825	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-61.17	-25	-36.17	-62.81	-67.55	0.78	7.16	H	Pass
7505	-53.17	-25	-28.17	-64.71	-61.71	1.04	9.58	H	Pass
10000	-51.00	-25	-26.00	-65.84	-61.11	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH20825	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-54.70	-25	-29.70	-62.07	-61.08	0.78	7.16	V	Pass
7500	-52.54	-25	-27.54	-66.63	-61.08	1.04	9.58	V	Pass
10000	-53.69	-25	-28.69	-66.34	-63.80	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5054	-62.92	-25	-37.92	-64.56	-69.30	0.78	7.16	H	Pass
7586	-51.65	-25	-26.65	-63.19	-60.19	1.04	9.58	H	Pass
10112	-50.65	-25	-25.65	-65.49	-60.76	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5054	-56.32	-25	-31.32	-62.87	-62.70	0.78	7.16	V	Pass
7582	-52.84	-25	-27.84	-66.93	-61.38	1.04	9.58	V	Pass
10112	-54.86	-25	-29.86	-67.51	-64.97	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21375	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5111	-61.93	-25	-36.93	-63.57	-68.31	0.78	7.16	H	Pass
7670	-52.19	-25	-27.19	-63.73	-60.73	1.04	9.58	H	Pass
10220	-51.33	-25	-26.33	-66.17	-61.44	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21375	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5111	-53.47	-25	-28.47	-61.18	-59.85	0.78	7.16	V	Pass
7670	-50.77	-25	-25.77	-64.86	-59.31	1.04	9.58	V	Pass
10220	-53.89	-25	-28.89	-66.54	-64.00	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH20850	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-61.43	-25	-36.43	-63.07	-67.81	0.78	7.16	H	Pass
7505	-52.40	-25	-27.40	-63.94	-60.94	1.04	9.58	H	Pass
10000	-50.97	-25	-25.97	-65.81	-61.08	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH20850	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-53.49	-25	-28.49	-61.21	-59.87	0.78	7.16	V	Pass
7500	-51.53	-25	-26.53	-65.62	-60.07	1.04	9.58	V	Pass
10000	-53.64	-25	-28.64	-66.29	-63.75	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5051	-64.98	-25	-39.98	-66.62	-71.36	0.78	7.16	H	Pass
7575	-53.36	-25	-28.36	-64.90	-61.90	1.04	9.58	H	Pass
10100	-51.89	-25	-26.89	-66.73	-62.00	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5051	-58.44	-25	-33.44	-64.99	-64.82	0.78	7.16	V	Pass
7575	-52.49	-25	-27.49	-66.58	-61.03	1.04	9.58	V	Pass
10100	-54.67	-25	-29.67	-67.32	-64.78	1.35	11.46	V	Pass

Band :	LTE Band 7 for CH21350	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5102	-61.63	-25	-36.63	-63.27	-68.01	0.78	7.16	H	Pass
7655	-52.74	-25	-27.74	-64.28	-61.28	1.04	9.58	H	Pass
10200	-51.34	-25	-26.34	-66.18	-61.45	1.35	11.46	H	Pass

Band :	LTE Band 7 for CH21350	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5102	-53.12	-25	-28.12	-60.78	-59.50	0.78	7.16	V	Pass
7655	-50.59	-25	-25.59	-64.68	-59.13	1.04	9.58	V	Pass
10200	-53.13	-25	-28.13	-65.78	-63.24	1.35	11.46	V	Pass

Band :	LTE Band 17 for CH23755	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-62.46	-13	-49.46	-56.59	-63.11	0.57	3.37	H	Pass
2114	-55.94	-13	-42.94	-56.78	-58.17	0.78	5.16	H	Pass
2818	-64.70	-13	-51.70	-64.33	-68.34	0.87	6.66	H	Pass

Band :	LTE Band 17 for CH23755	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-63.82	-13	-50.82	-61.24	-64.47	0.57	3.37	V	Pass
2114	-58.18	-13	-45.18	-61.54	-60.41	0.78	5.16	V	Pass
2818	-62.21	-13	-49.21	-63.27	-65.85	0.87	6.66	V	Pass

Band :	LTE Band 17 for CH23790	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1416	-60.11	-13	-47.11	-55.43	-60.76	0.57	3.37	H	Pass
2124	-57.49	-13	-44.49	-57.79	-59.72	0.78	5.16	H	Pass
2832	-64.17	-13	-51.17	-63.80	-67.81	0.87	6.66	H	Pass

Band :	LTE Band 17 for CH23790	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1416	-55.96	-13	-42.96	-57.14	-56.61	0.57	3.37	V	Pass
2124	-55.16	-13	-42.16	-59.85	-57.39	0.78	5.16	V	Pass
2832	-63.17	-13	-50.17	-64.23	-66.81	0.87	6.66	V	Pass

Band :	LTE Band 17 for CH23825	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1422	-61.31	-13	-48.31	-56.12	-61.96	0.57	3.37	H	Pass
2134	-55.85	-13	-42.85	-56.72	-58.08	0.78	5.16	H	Pass
2844	-66.51	-13	-53.51	-66.14	-70.15	0.87	6.66	H	Pass

Band :	LTE Band 17 for CH23825	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1422	-62.23	-13	-49.23	-60.62	-62.88	0.57	3.37	V	Pass
2134	-54.94	-13	-41.94	-59.72	-57.17	0.78	5.16	V	Pass
2846	-63.20	-13	-50.20	-64.26	-66.84	0.87	6.66	V	Pass

Band :	LTE Band 17 for CH23780	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-63.23	-13	-50.23	-57.16	-63.88	0.57	3.37	H	Pass
2114	-58.96	-13	-45.96	-58.66	-61.19	0.78	5.16	H	Pass
2816	-65.40	-13	-52.40	-65.03	-69.04	0.87	6.66	H	Pass

Band :	LTE Band 17 for CH23780	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1410	-60.25	-13	-47.25	-59.53	-60.90	0.57	3.37	V	Pass
2114	-61.70	-13	-48.70	-64.13	-63.93	0.78	5.16	V	Pass
2820	-62.45	-13	-49.45	-63.51	-66.09	0.87	6.66	V	Pass

Band :	LTE Band 17 for CH23790	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-67.93	-13	-54.93	-59.57	-68.58	0.57	3.37	H	Pass
2118	-54.51	-13	-41.51	-55.79	-56.74	0.78	5.16	H	Pass
2824	-62.87	-13	-49.87	-62.50	-66.51	0.87	6.66	H	Pass

Band :	LTE Band 17 for CH23790	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1410	-60.98	-13	-47.98	-59.99	-61.63	0.57	3.37	V	Pass
2118	-55.92	-13	-42.92	-60.35	-58.15	0.78	5.16	V	Pass
2824	-57.02	-13	-44.02	-60.24	-60.66	0.87	6.66	V	Pass

Band :	LTE Band 17 for CH23800	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1414	-59.26	-13	-46.26	-55.01	-59.91	0.57	3.37	H	Pass
2120	-60.12	-13	-47.12	-58.94	-62.35	0.78	5.16	H	Pass
2824	-66.77	-13	-53.77	-66.40	-70.41	0.87	6.66	H	Pass

Band :	LTE Band 17 for CH23800	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-57.93	-13	-44.93	-58.32	-58.58	0.57	3.37	V	Pass
2120	-58.26	-13	-45.26	-61.58	-60.49	0.78	5.16	V	Pass
2828	-62.10	-13	-49.10	-63.16	-65.74	0.87	6.66	V	Pass

3.8 Frequency Stability Measurement

3.8.1 Description of Frequency Stability Measurement

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

3.8.2 Measuring Instruments

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

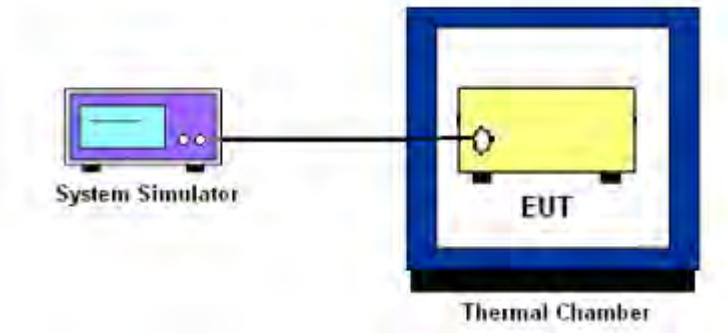
3.8.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.8.4 Test Procedures for Voltage Variation

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

3.8.5 Test Setup



3.8.6 Test Result of Temperature Variation (FCC)

Band :	LTE Band 2 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz	Result
	Deviation (ppm)	
50	+0.0021	PASS
40	+0.0021	
30	+0.0011	
20(Ref.)	+0.000	
10	+0.0005	
0	+0.0005	
-10	+0.0011	
-20	+0.0021	
-30	+0.0027	

Band :	LTE Band 4 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz	Result
	Deviation (ppm)	
50	+0.0023	PASS
40	+0.0017	
30	+0.0006	
20(Ref.)	+0.0000	
10	+0.0001	
0	+0.0012	
-10	+0.0017	
-20	+0.0023	
-30	+0.0029	

Band :	LTE Band 5 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz	Result
	Deviation (ppm)	
50	+0.0048	PASS
40	+0.0036	
30	+0.0024	
20(Ref.)	+0.0000	
10	+0.0012	
0	+0.0012	
-10	+0.0024	
-20	+0.0036	
-30	+0.0048	

Band :	LTE Band 7 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz	Result
	Deviation (ppm)	
50	+0.0016	PASS
40	+0.0012	
30	+0.0008	
20(Ref.)	+0.0000	
10	+0.0004	
0	+0.0008	
-10	+0.0016	
-20	+0.0020	
-30	+0.0028	

Band :	LTE Band 17 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz	Result
	Deviation (ppm)	
50	+0.0042	PASS
40	+0.0028	
30	+0.0028	
20(Ref.)	+0.0000	
10	+0.0028	
0	+0.0001	
-10	+0.0014	
-20	+0.0042	
-30	+0.0056	

3.8.7 Test Result of Voltage Variation (FCC)

Band	Bandwidth	Voltage (Volt)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 2	10M	4.2	+0.0005	2.5	PASS
		Normal	+0.0001		
		3.6	+0.0011		
LTE Band 4	10M	4.2	+0.0006	2.5	PASS
		Normal	+0.0001		
		3.6	+0.0017		
LTE Band 5	10M	4.2	+0.0012	2.5	PASS
		Normal	+0.0001		
		3.6	+0.0024		
LTE Band 7	10M	4.2	+0.0008	2.5	PASS
		Normal	+0.0001		
		3.6	+0.0008		
LTE Band 17	10M	4.2	+0.0014	2.5	PASS
		Normal	+0.0028		
		3.6	+0.0001		

Remark:

1. Normal Voltage = 3.8V.
2. The manufacturer declared that the EUT could work properly between voltage 3.6V ~ 4.2V.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV30	101338	9kHz~30GHz	May 04, 2014	Jul. 15, 2014~ Aug. 29, 2014	May 03, 2015	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Dec. 10, 2013	Jul. 15, 2014~ Aug. 29, 2014	Dec. 09, 2014	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 05, 2013	Aug. 12, 2014	Nov. 04, 2014	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP30	101399	9kHz~30GHz	May 04, 2014	Aug. 12, 2014	May 03, 2015	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Jan. 08, 2014	Aug. 12, 2014	Jan. 07, 2015	Radiation (03CH01-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 08, 2014	Aug. 12, 2014	Jan. 07, 2015	Radiation (03CH01-KS)
Active Horn Antenna	com-power	AHA-118	701030	1GHz~18GHz	Nov. 18, 2013	Aug. 12, 2014	Nov. 17, 2014	Radiation (03CH01-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Mar. 10, 2014	Aug. 12, 2014	Mar. 09, 2015	Radiation (03CH01-KS)
Amplifier	com-power	PA-103A	161073	1MHz~1GHz	May 04, 2014	Aug. 12, 2014	May 03, 2015	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02371	1GHz~26.5GHz	Dec. 10, 2013	Aug. 12, 2014	Dec. 09, 2014	Radiation (03CH01-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Aug. 12, 2014	NCR	Radiation (03CH01-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Aug. 12, 2014	NCR	Radiation (03CH01-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Aug. 12, 2014	NCR	Radiation (03CH01-KS)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.5**