

8 Conducted Spurious Emission Test

8.1. Limit

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

8.2. Test Instruments

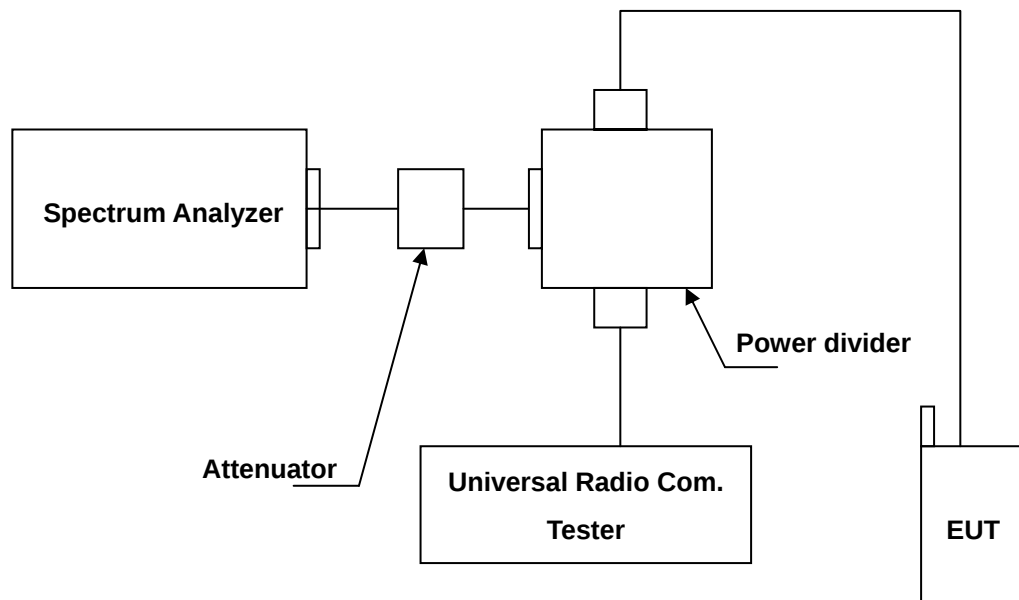
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/16/2013	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/30/2012	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

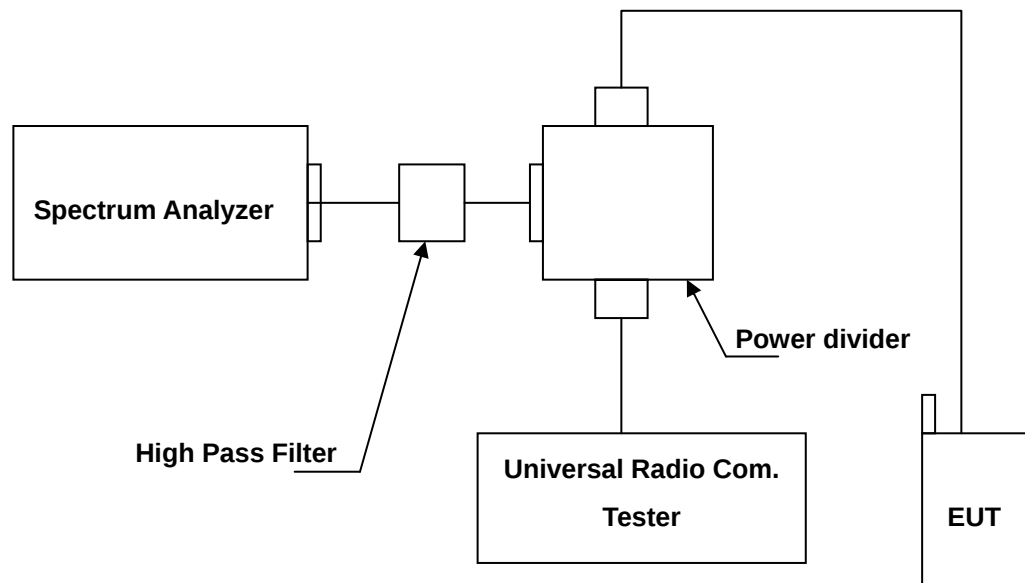
Note: N.C.R. = No Calibration Request.

8.3. Setup

Below 2.8GHz



Above 2.8GHz



8.4. Test Procedure

- The EUT was set up for the maximum peak power with LTE / WCDMA link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).
- The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- When the spectrum scanned from 30MHz to 3GHz, it shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.
- When the spectrum scanned from 3GHz to 20GHz, it shall be connected to the high pass filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.

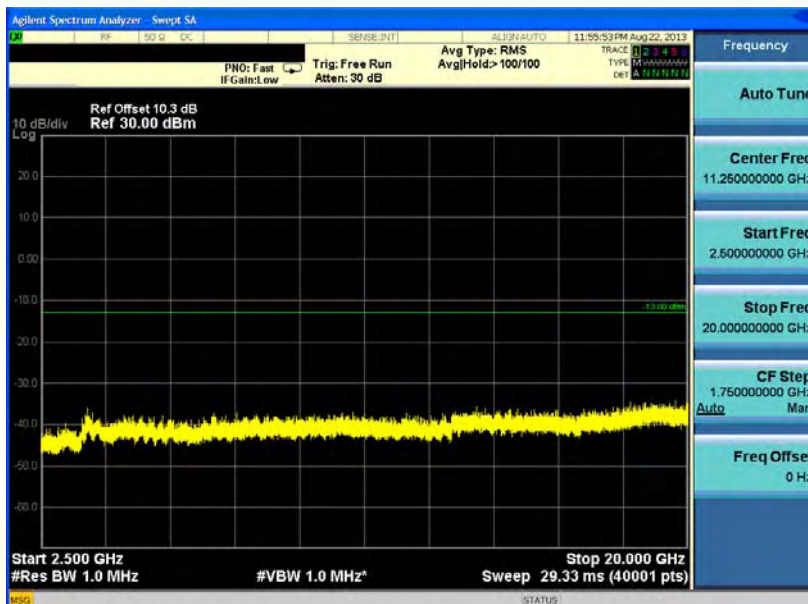
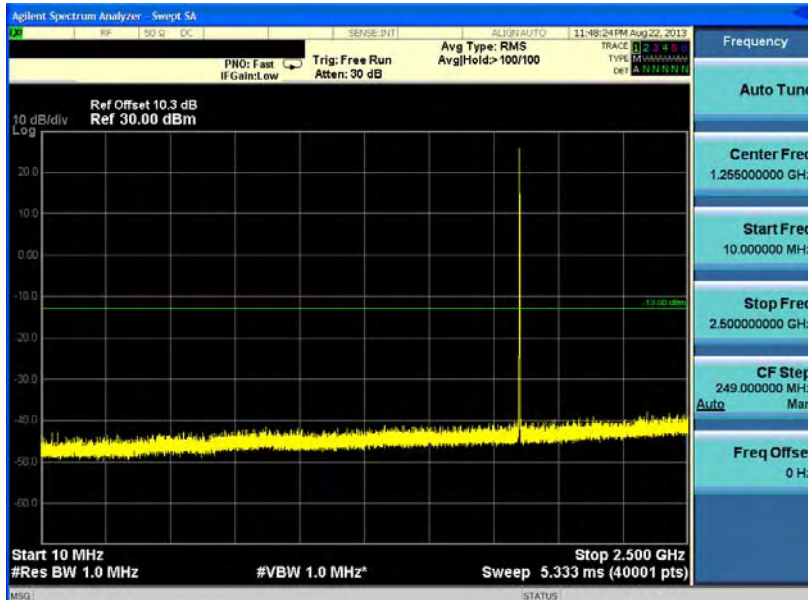
8.5. Uncertainty

The measurement uncertainty is evaluated as ± 2.24 dB.

8.6. Test Graphs

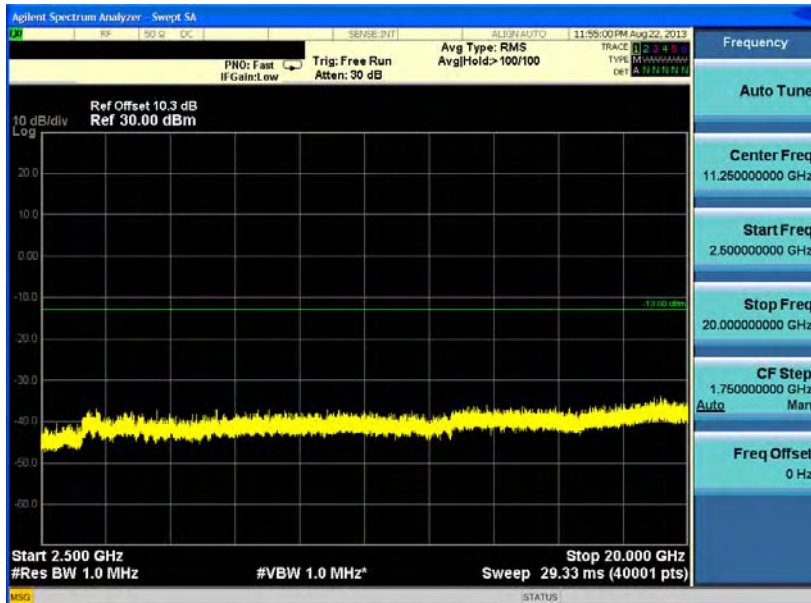
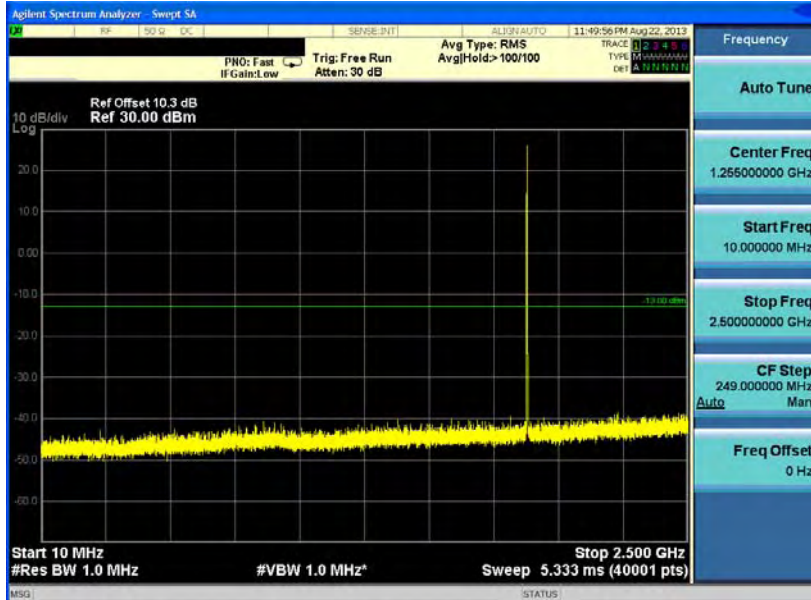
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK

1850.7 MHz



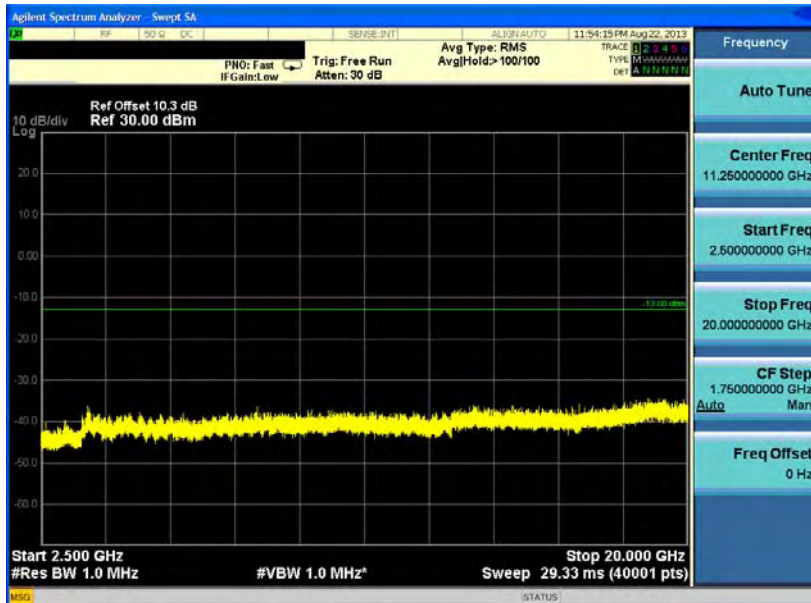
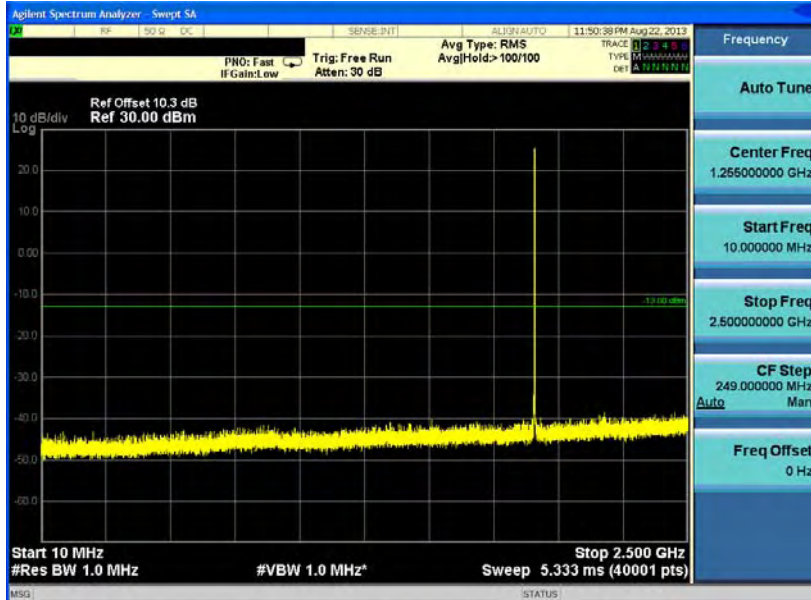
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK

1880.0 MHz



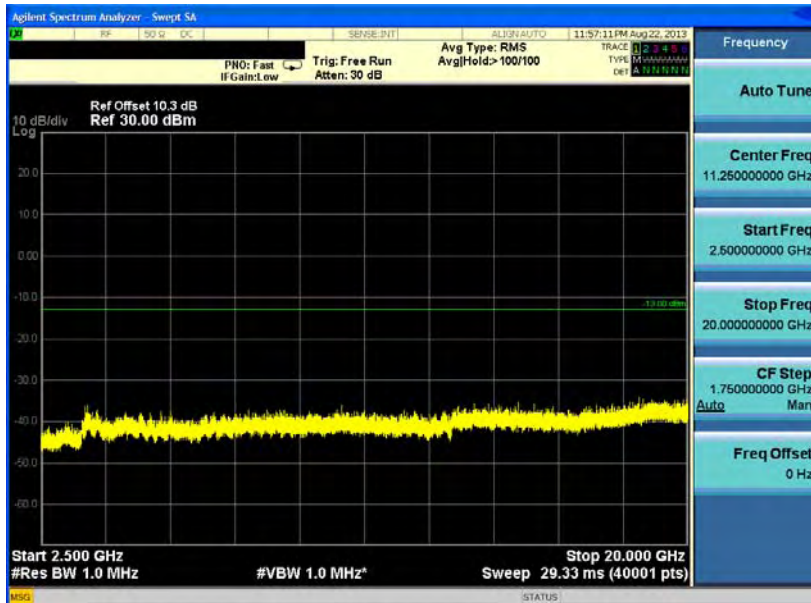
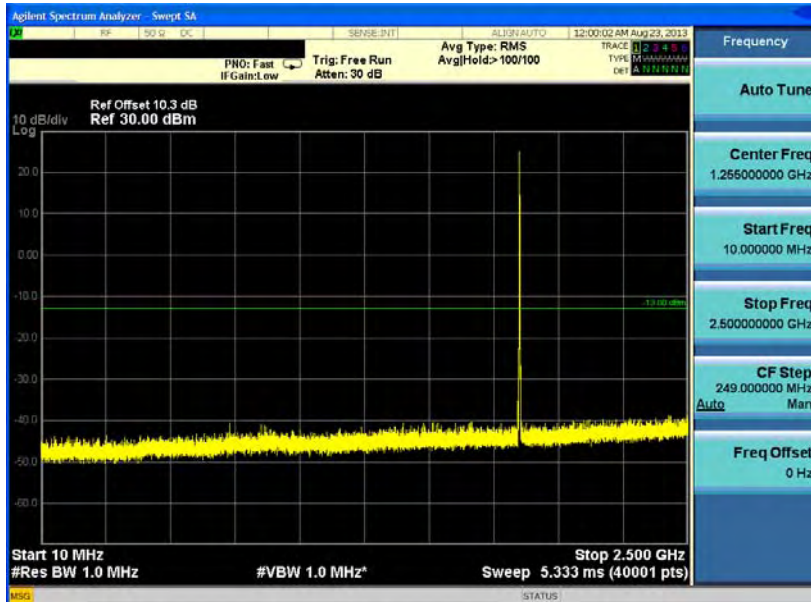
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK

1909.3 MHz



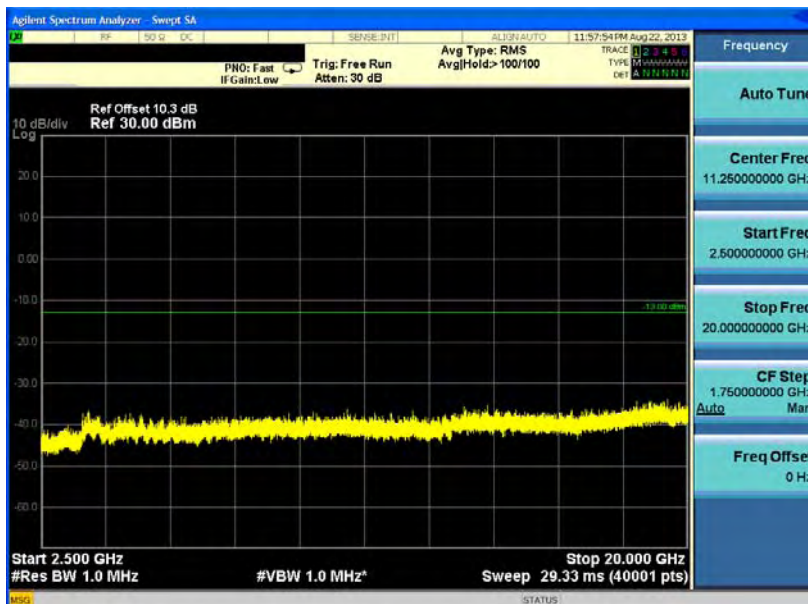
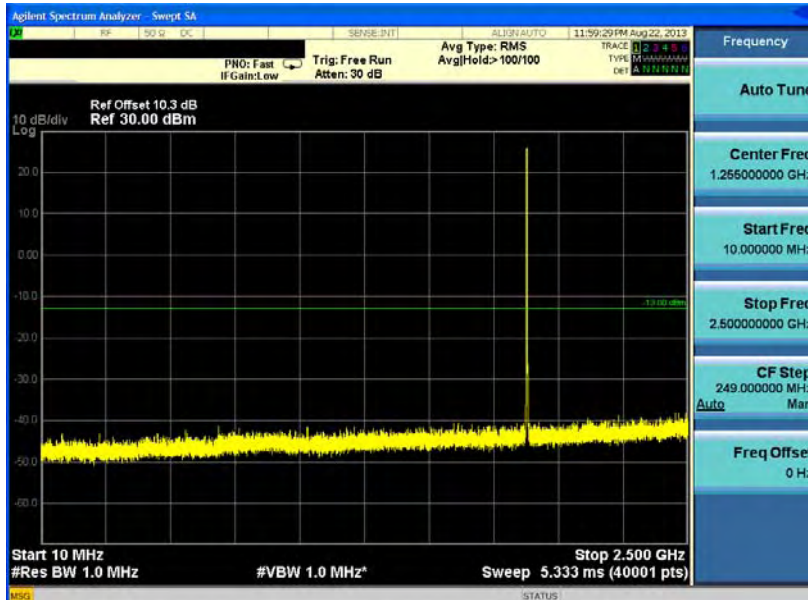
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK

1851.5 MHz



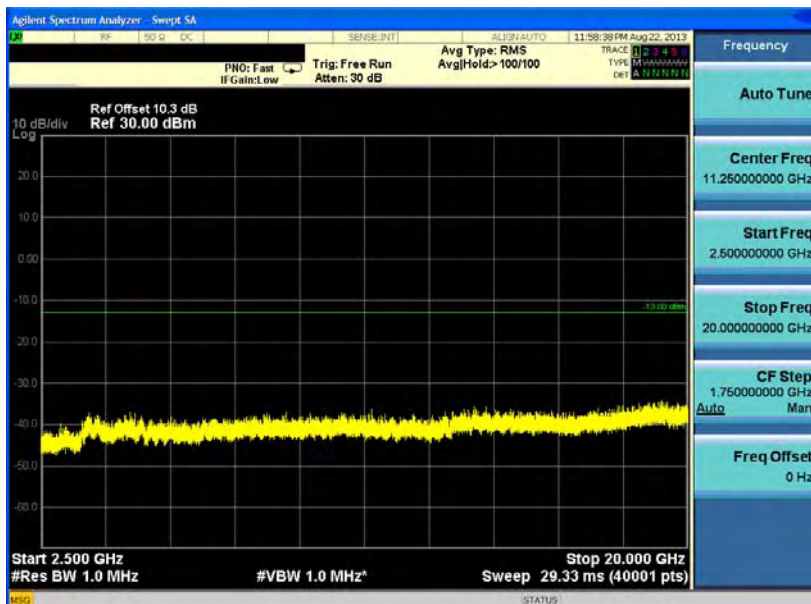
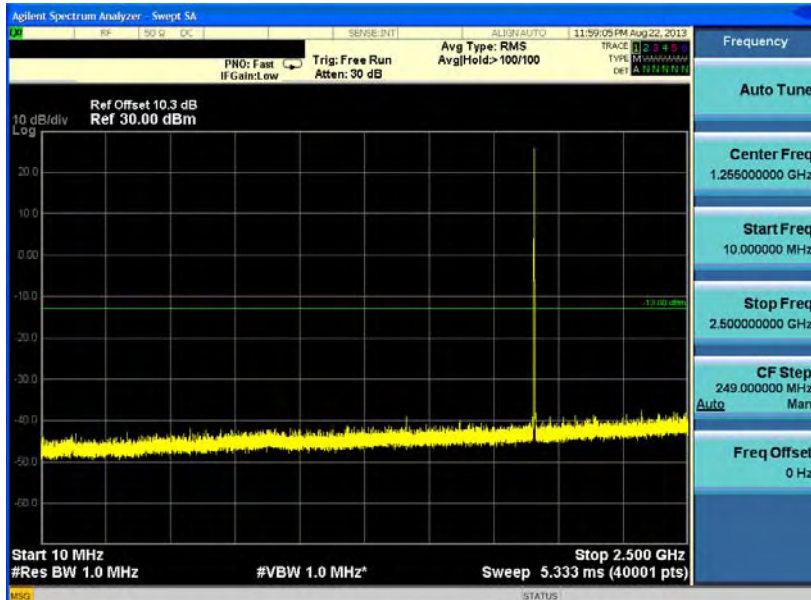
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK

1880.0 MHz



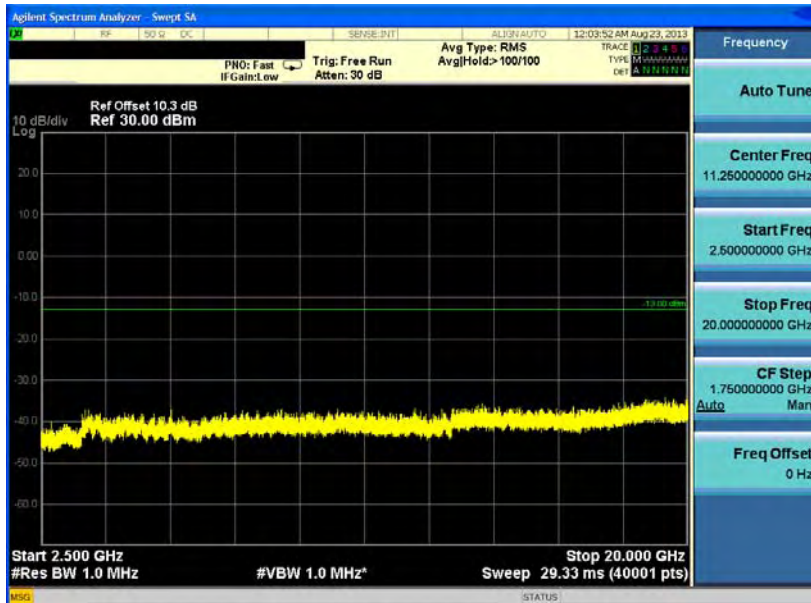
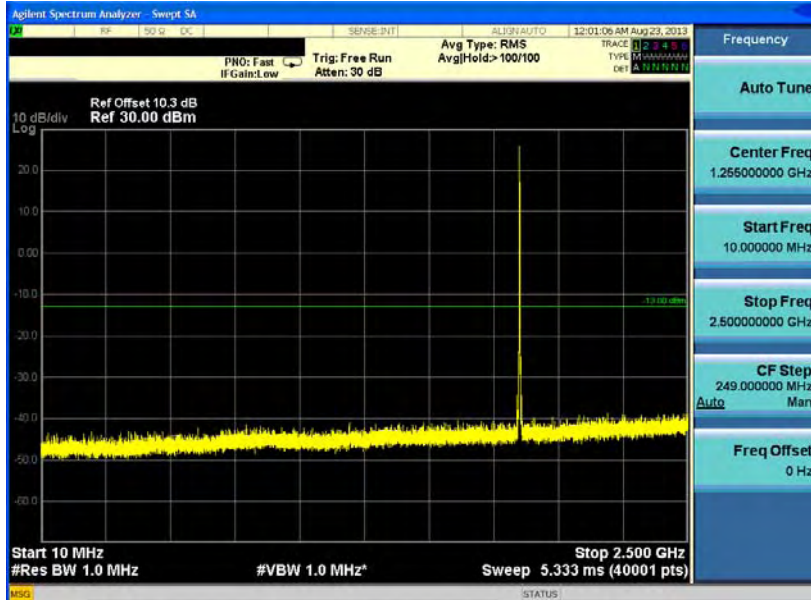
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK

1908.5 MHz



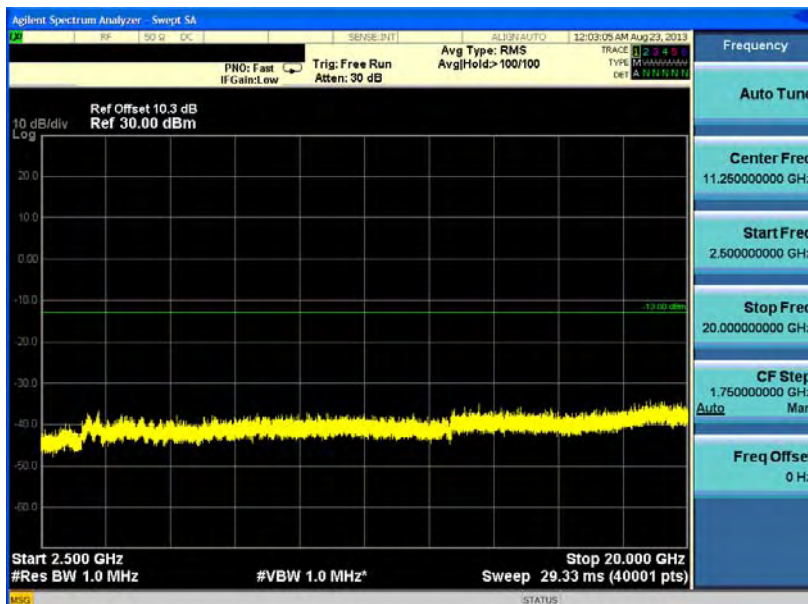
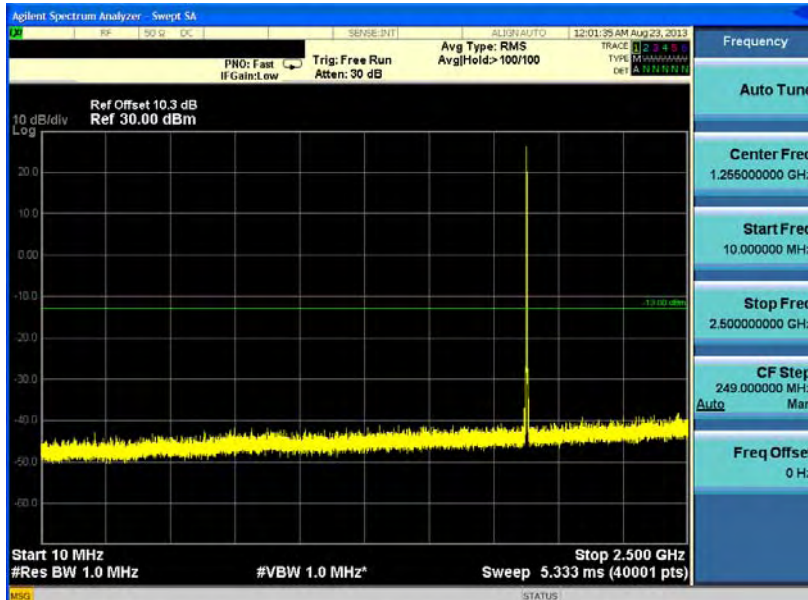
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK

1852.5 MHz



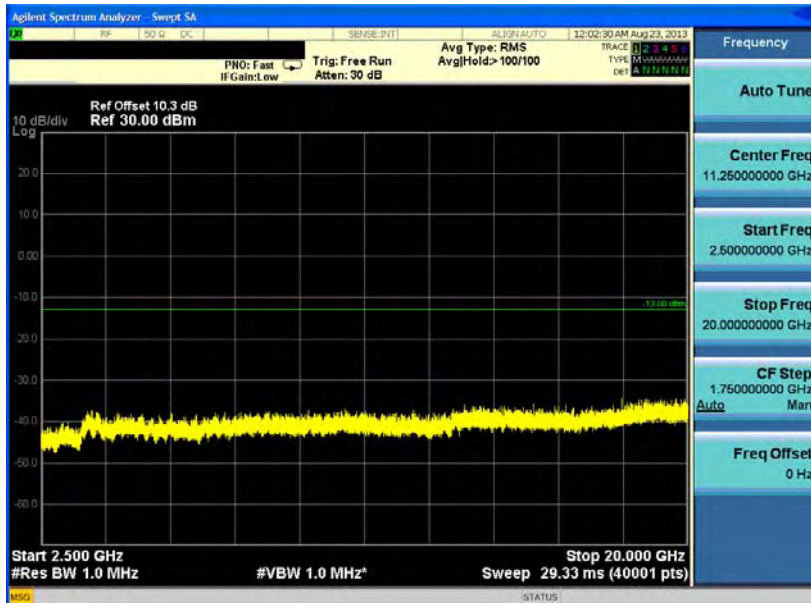
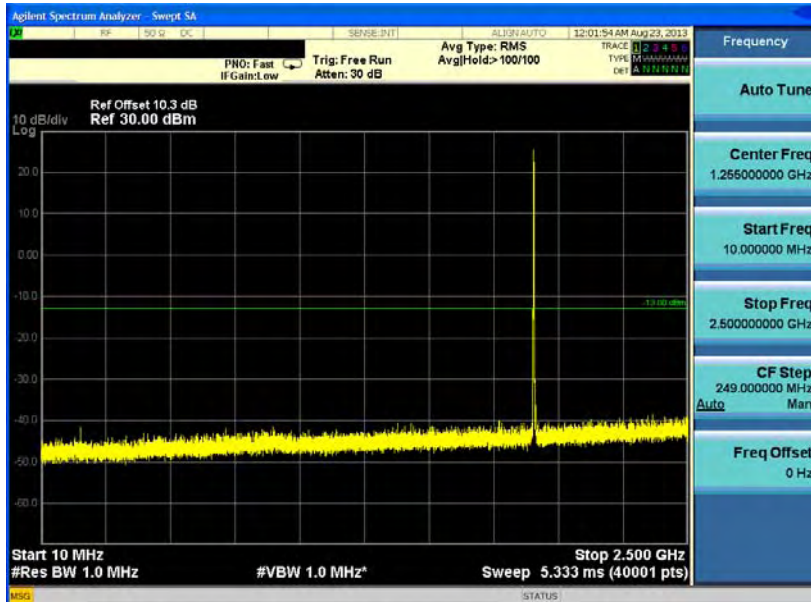
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK

1880.0 MHz



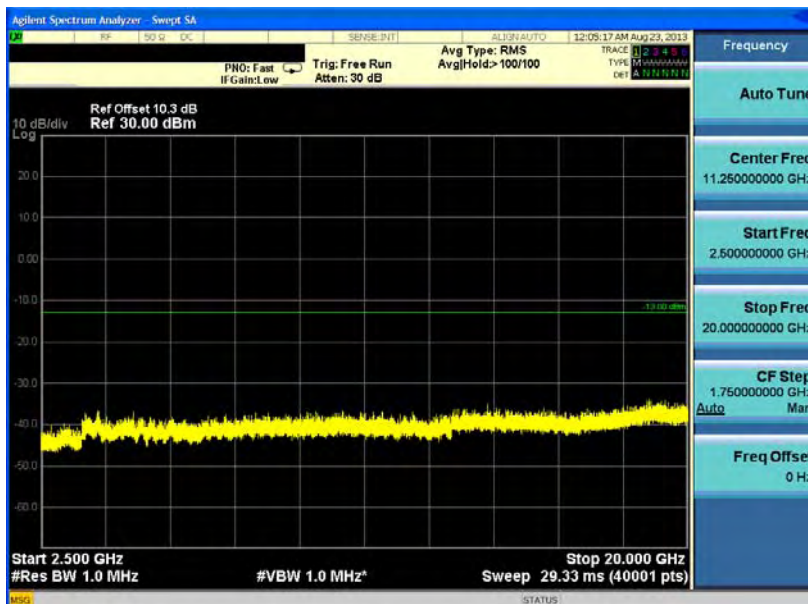
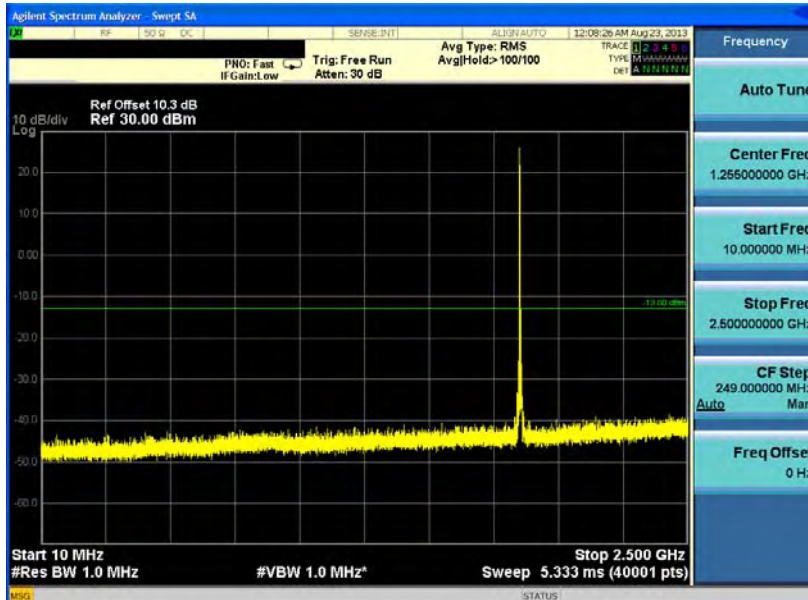
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK

1907.5 MHz



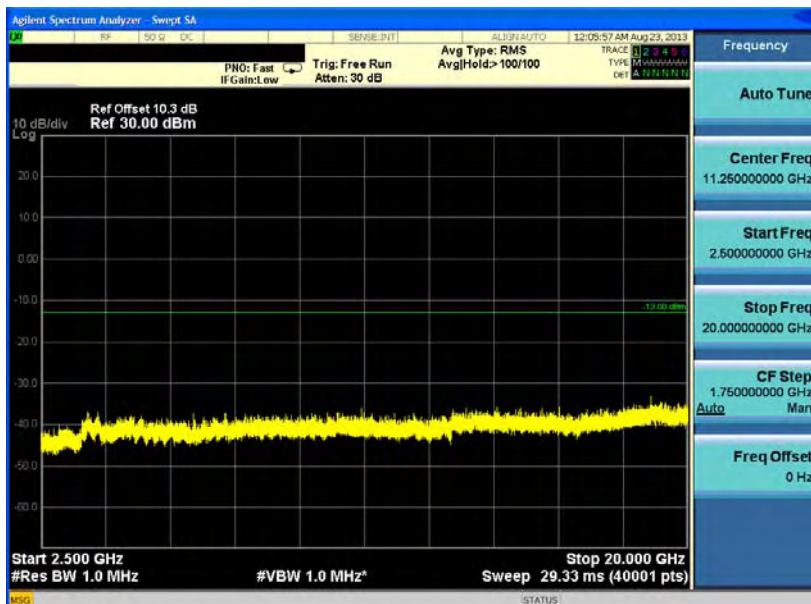
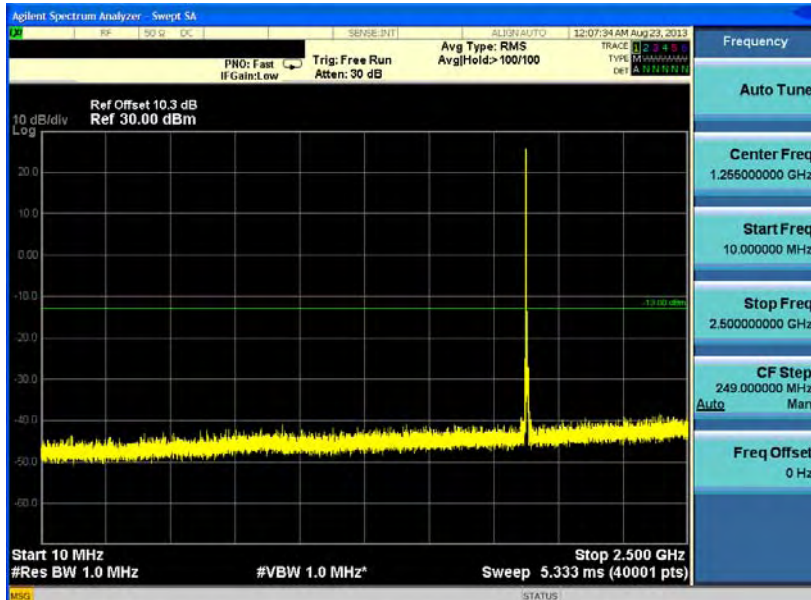
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK

1855.0 MHz



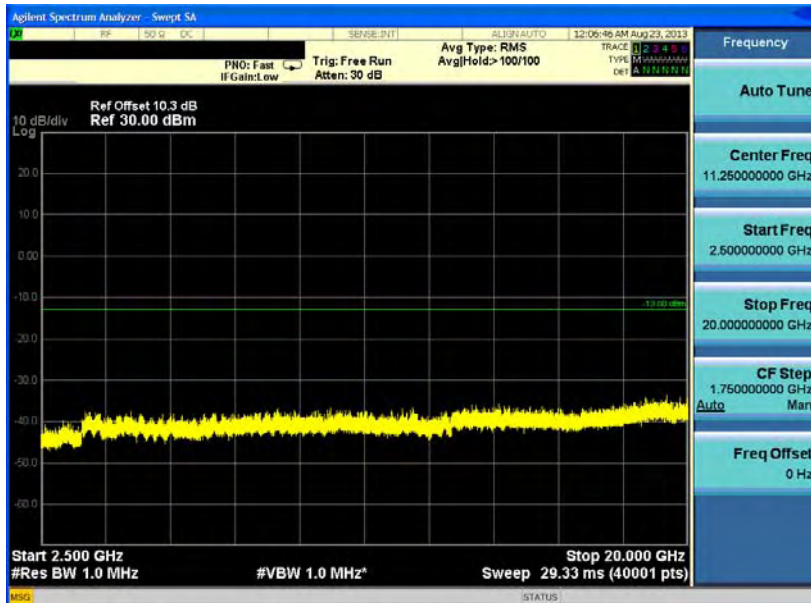
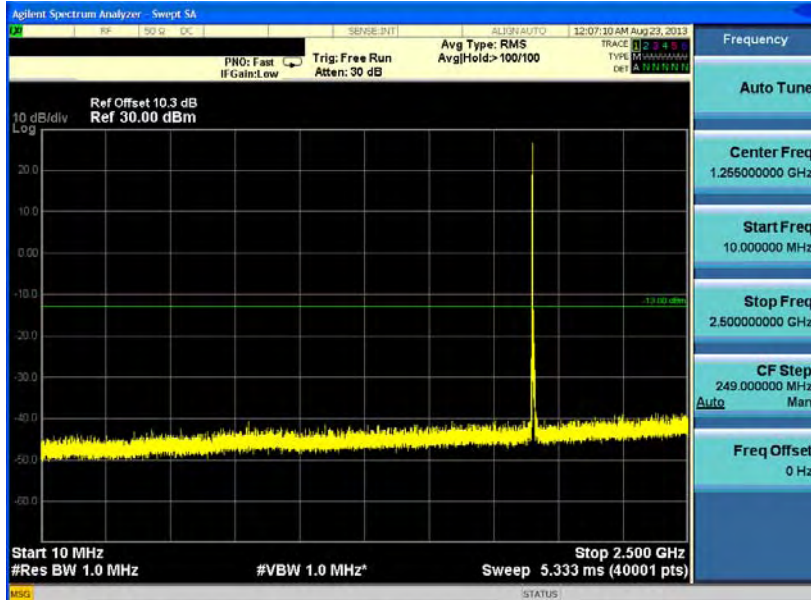
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK

1880.0 MHz



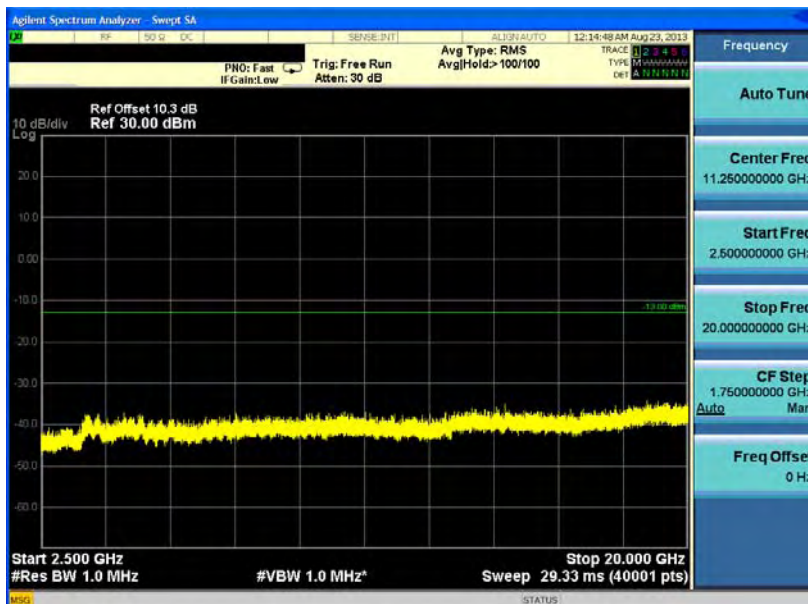
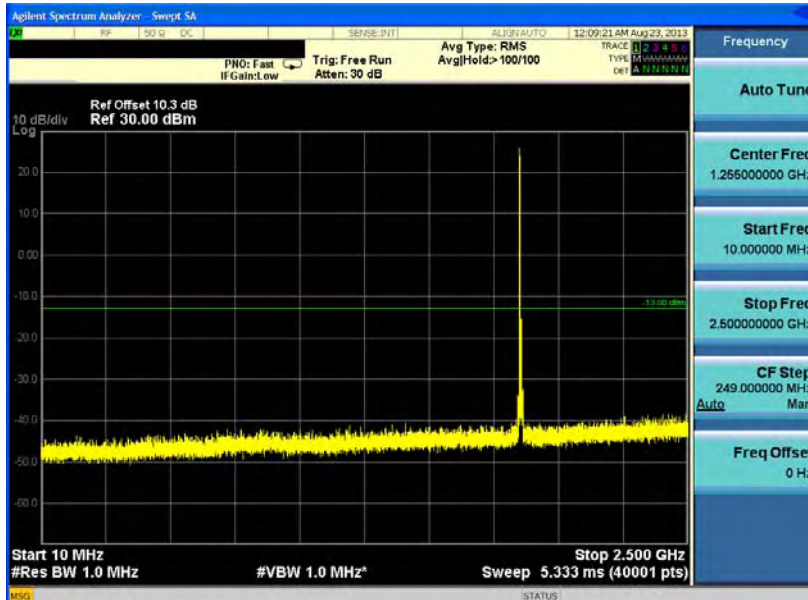
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK

1905.0 MHz



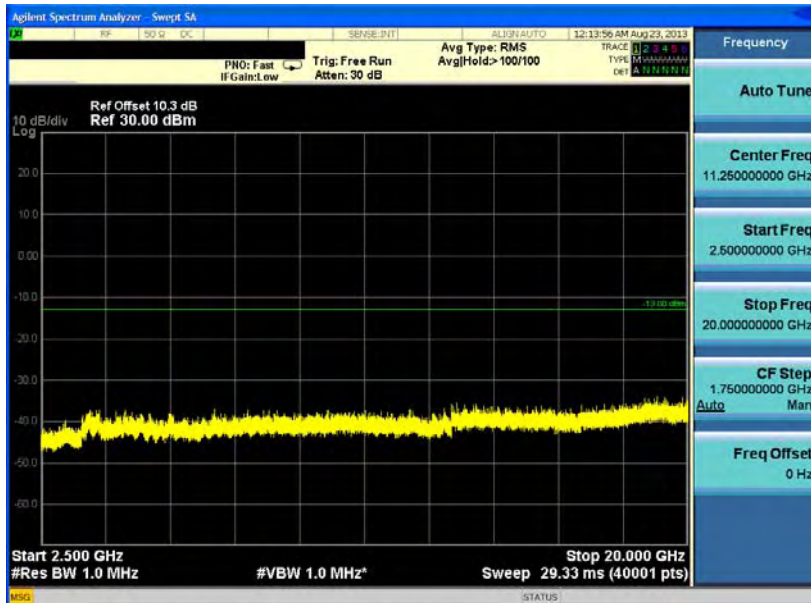
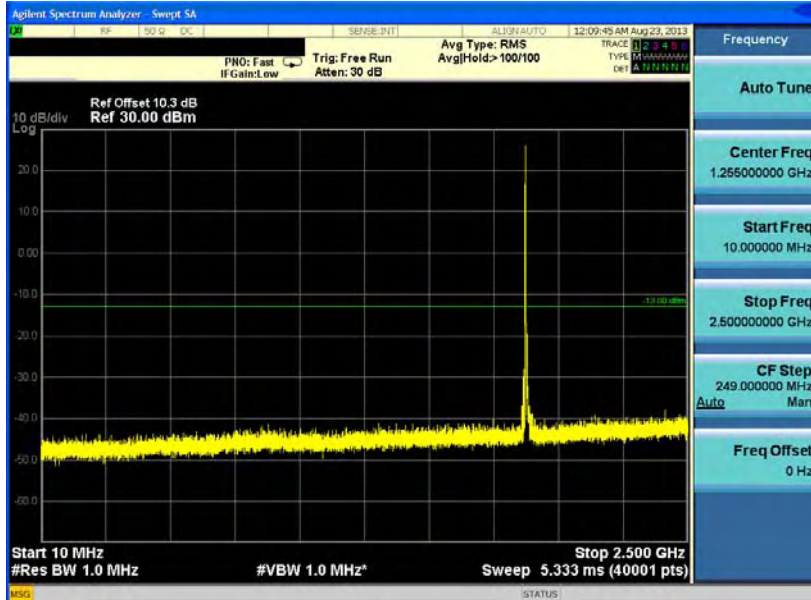
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK

1857.5 MHz



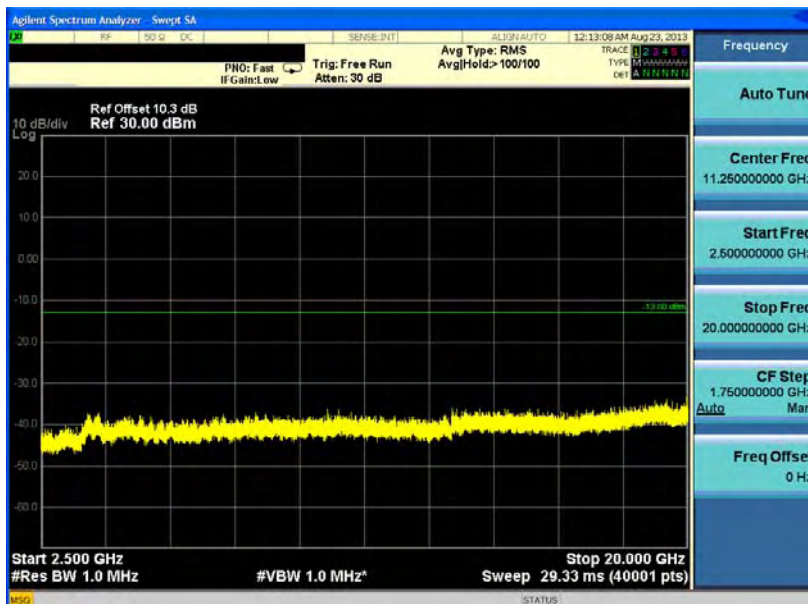
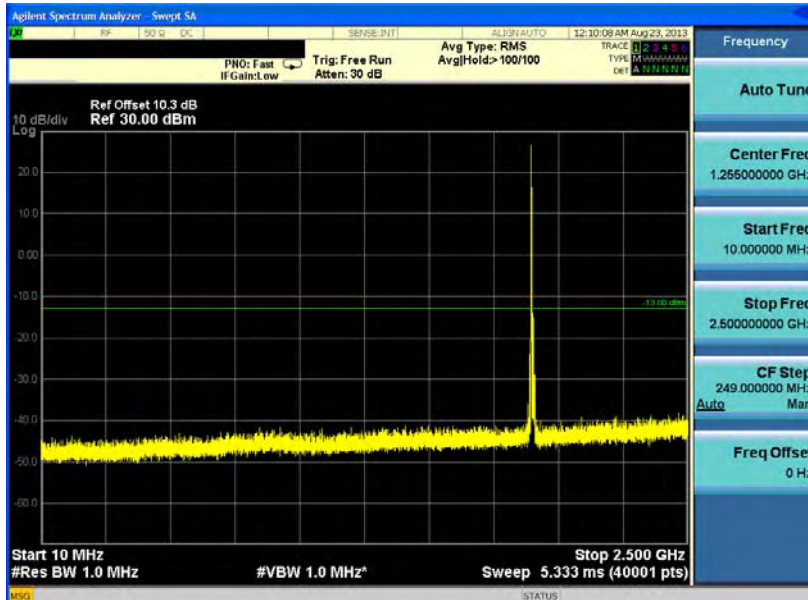
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK

1880.0 MHz



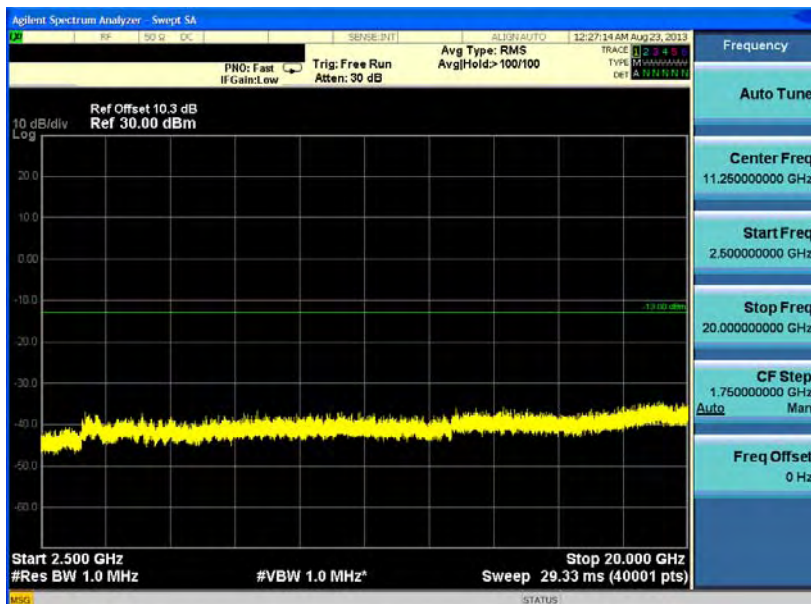
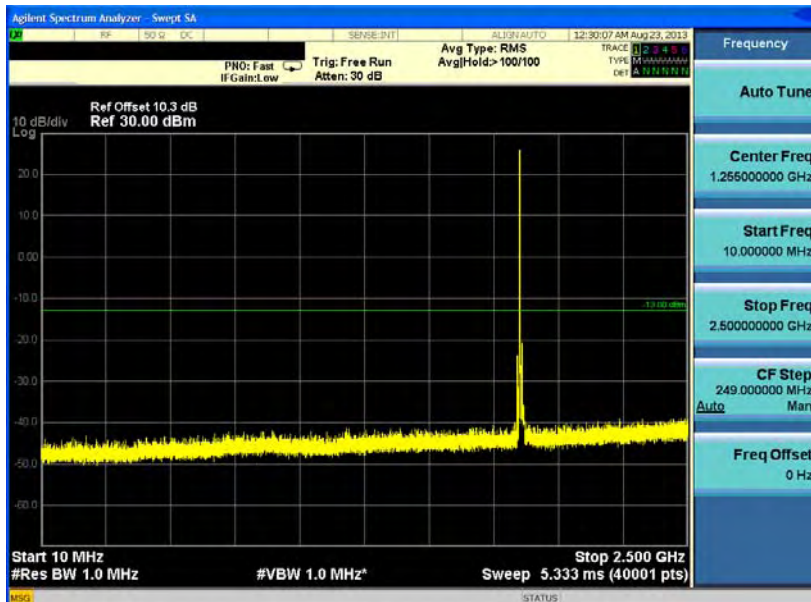
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK

1902.5 MHz



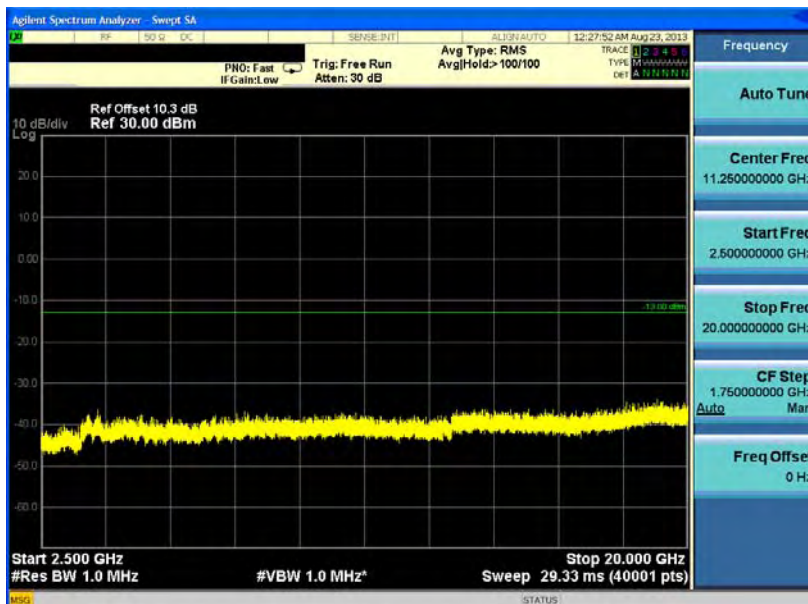
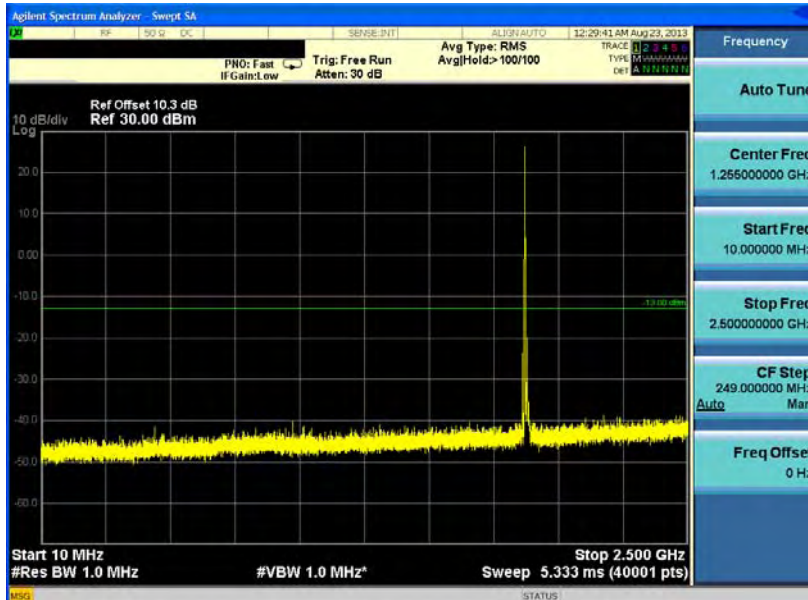
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK

1860.0 MHz



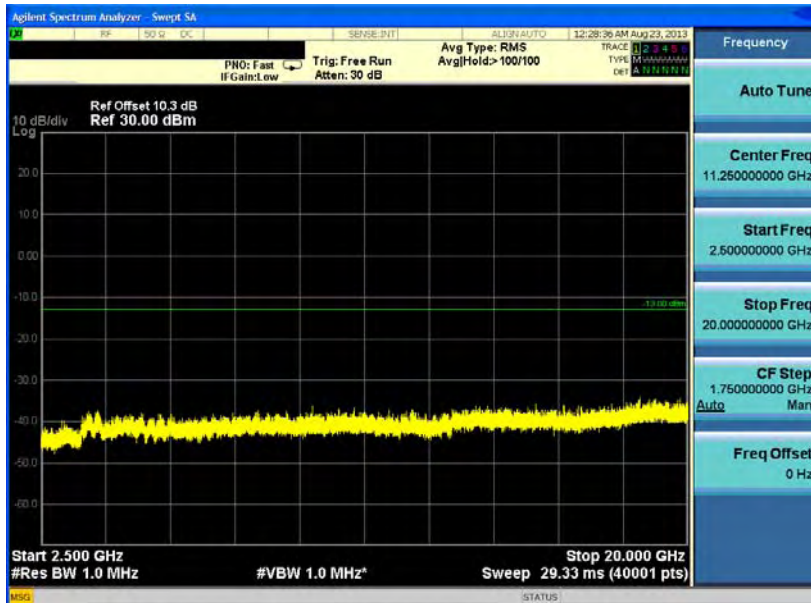
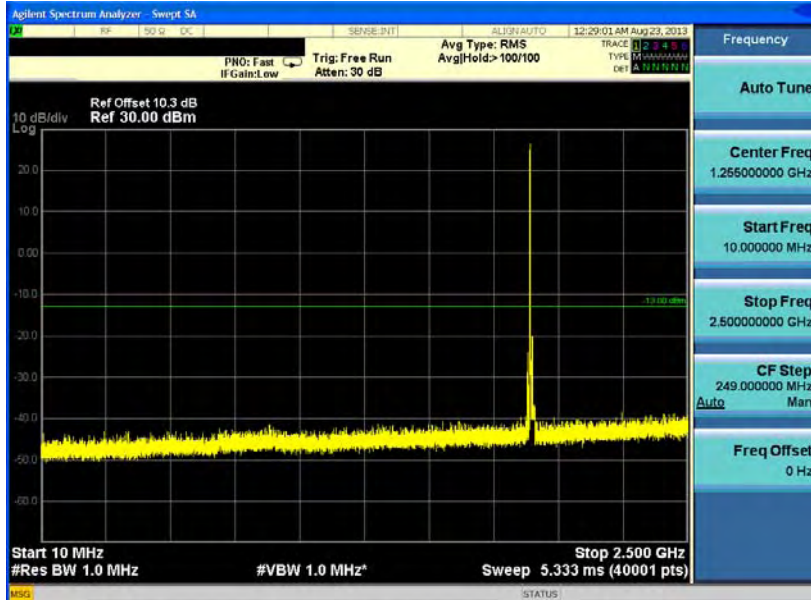
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK

1880.0 MHz



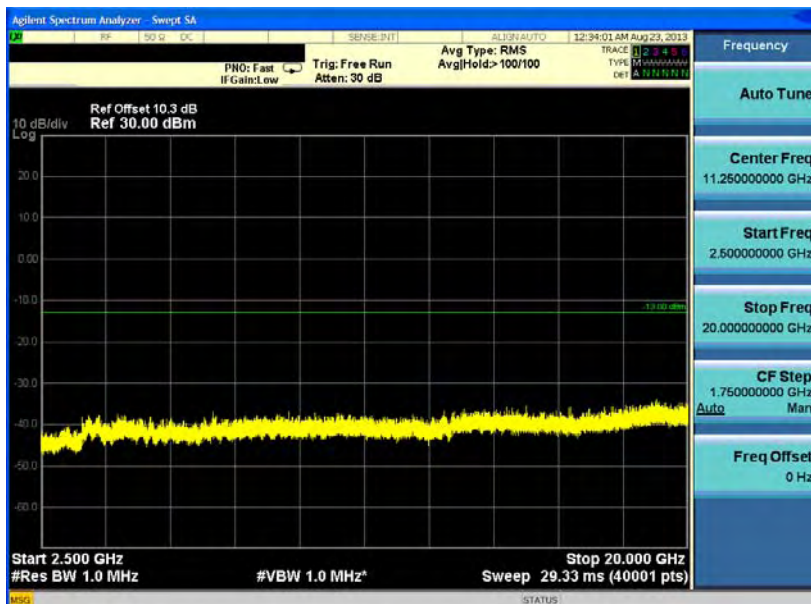
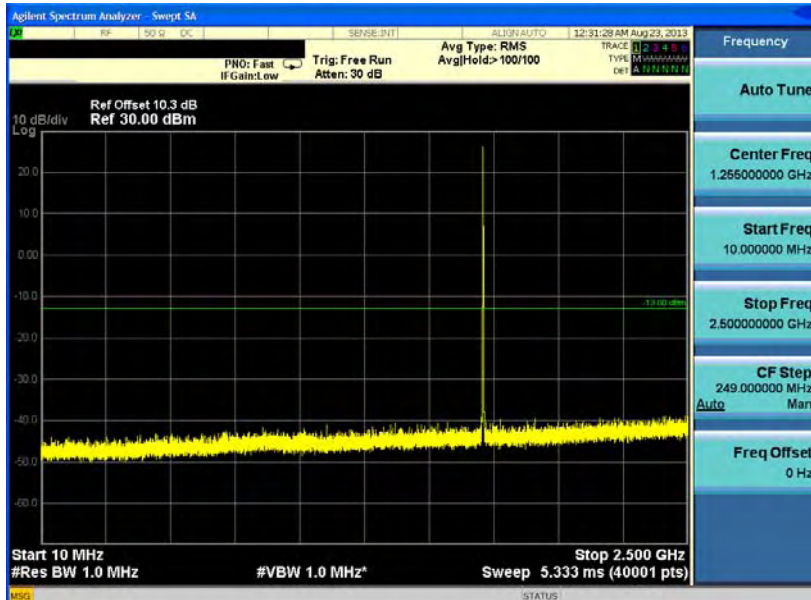
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK

1900.0 MHz



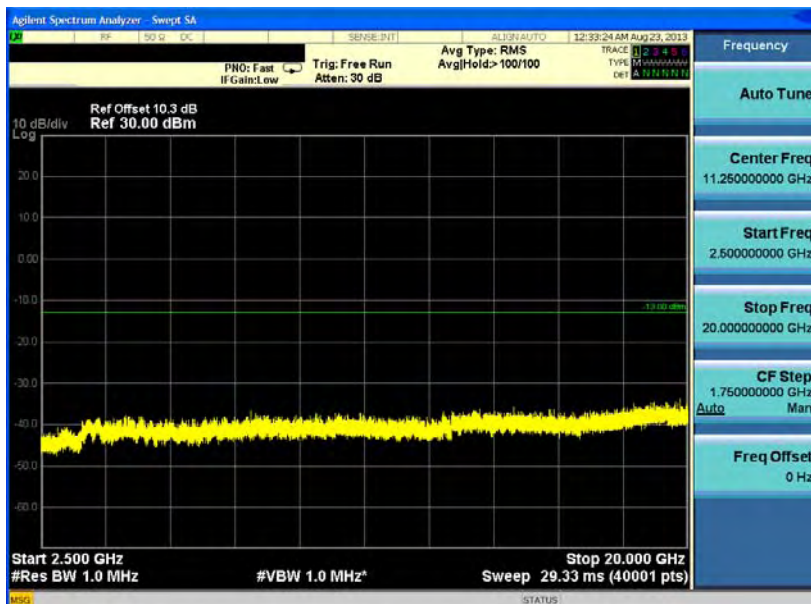
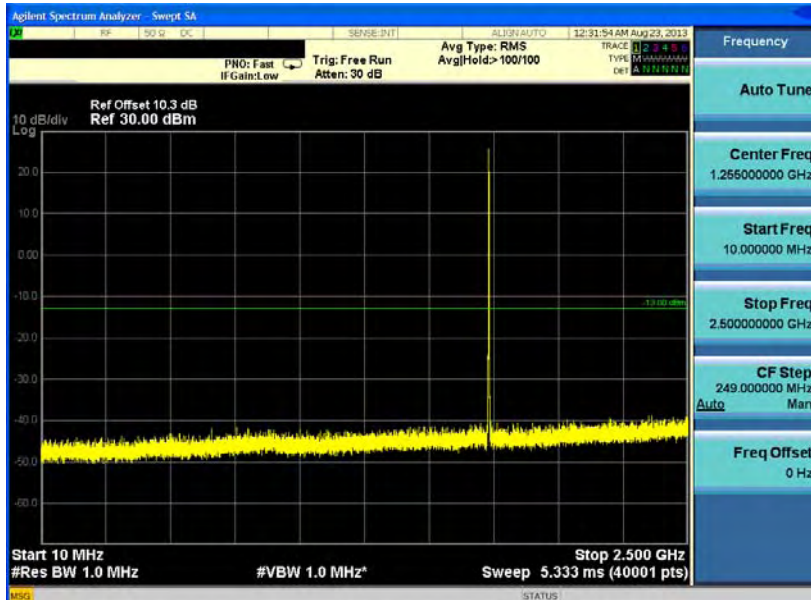
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK

1710.7 MHz



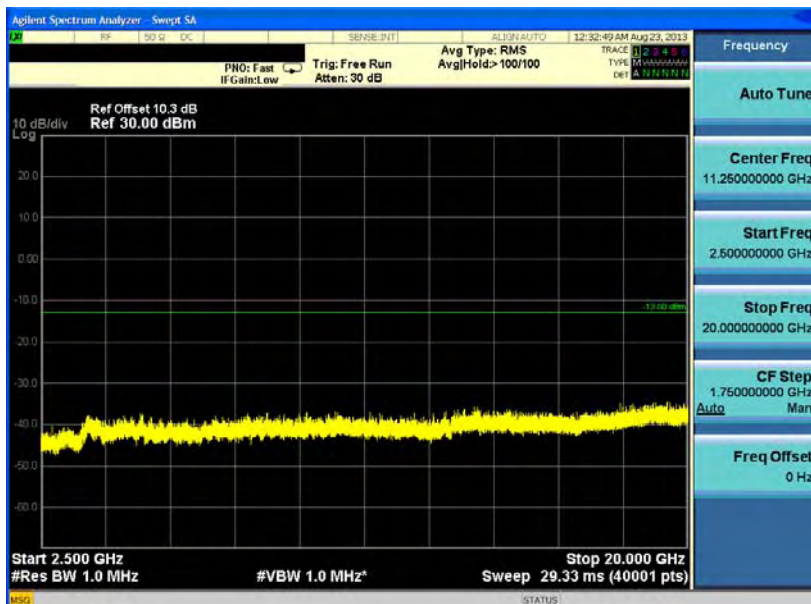
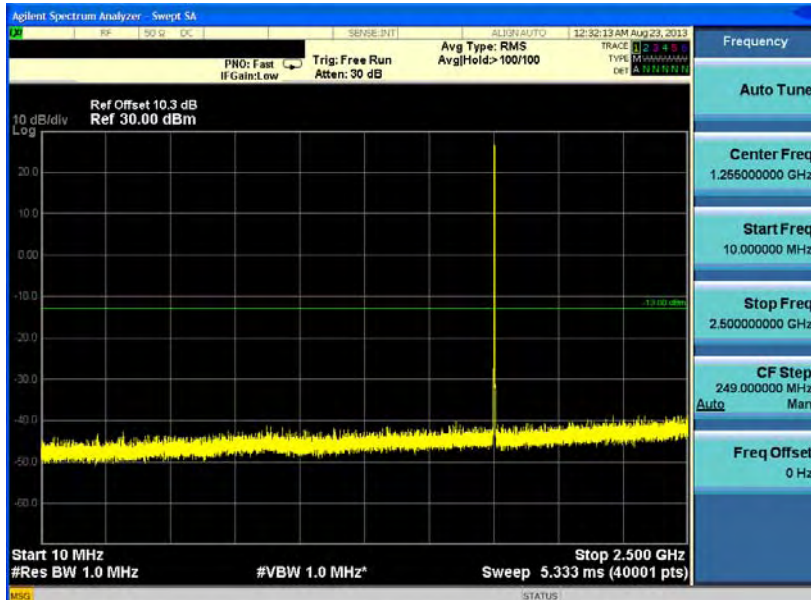
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK

1732.5 MHz



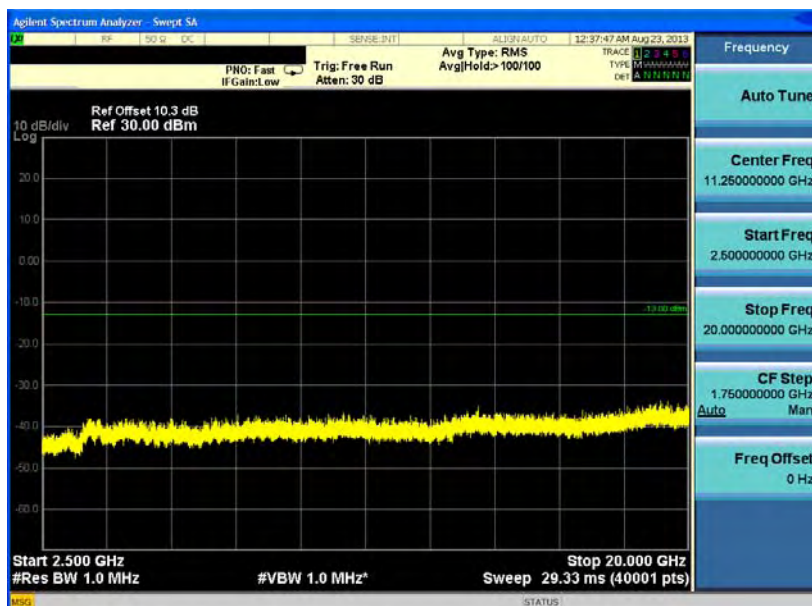
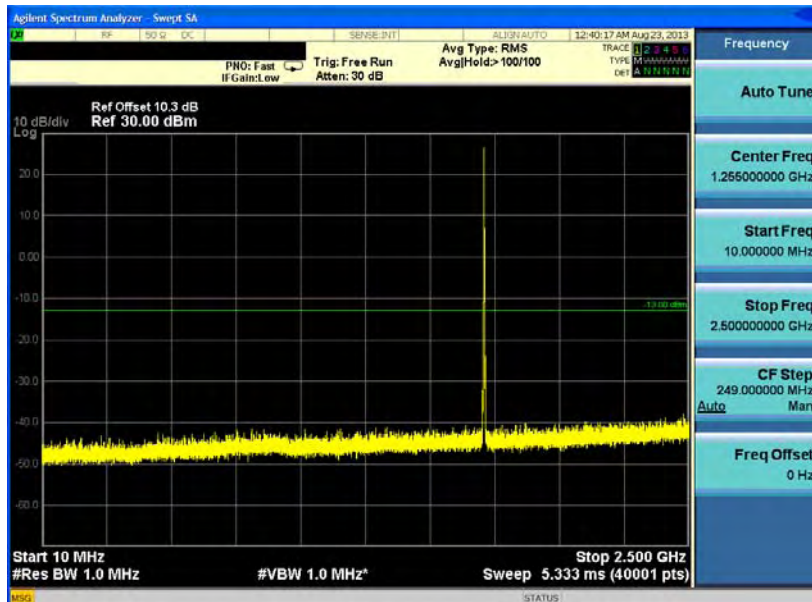
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK

1754.3 MHz



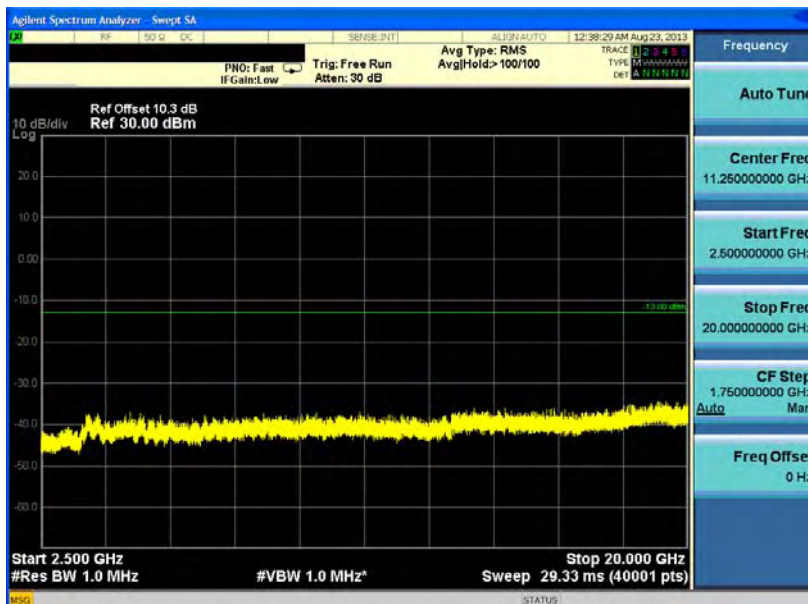
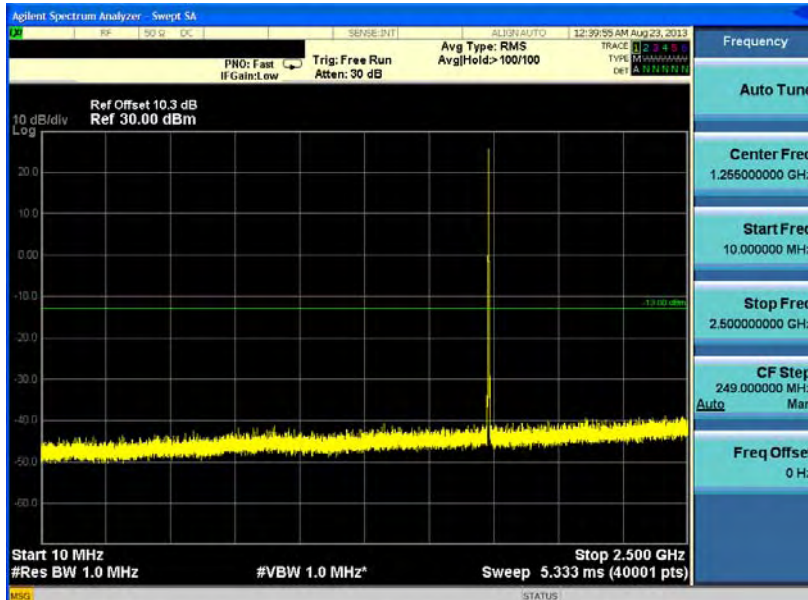
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK

1711.5 MHz



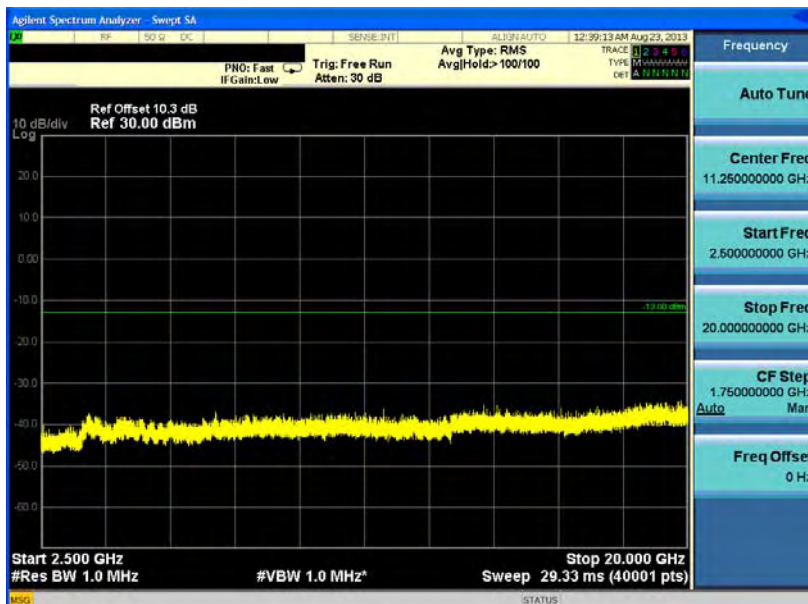
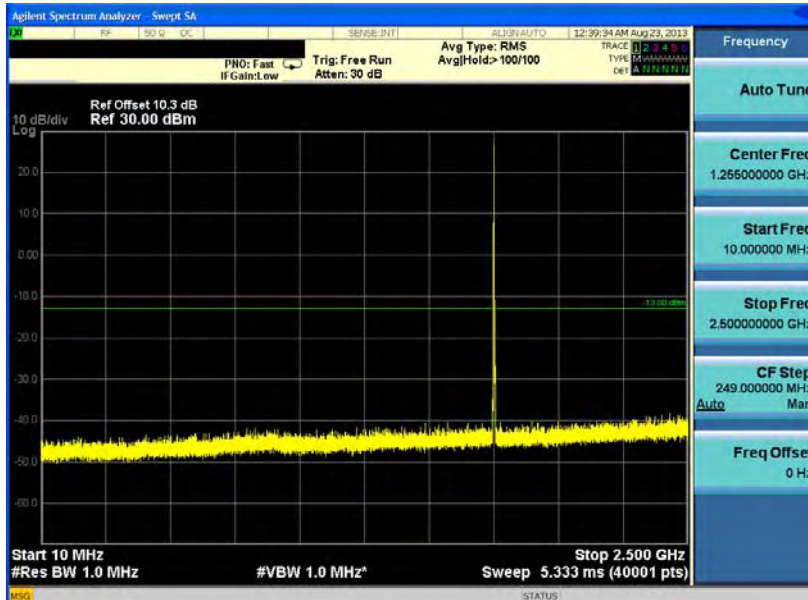
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK

1732.5 MHz



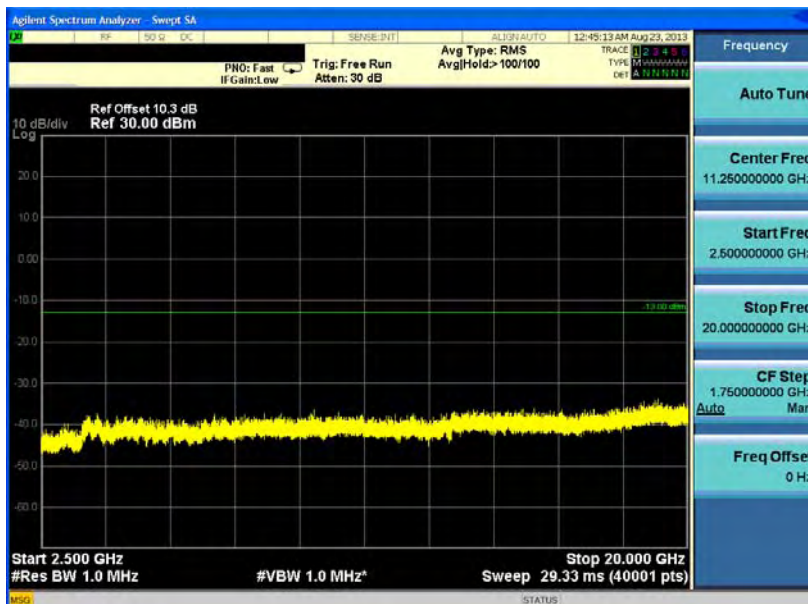
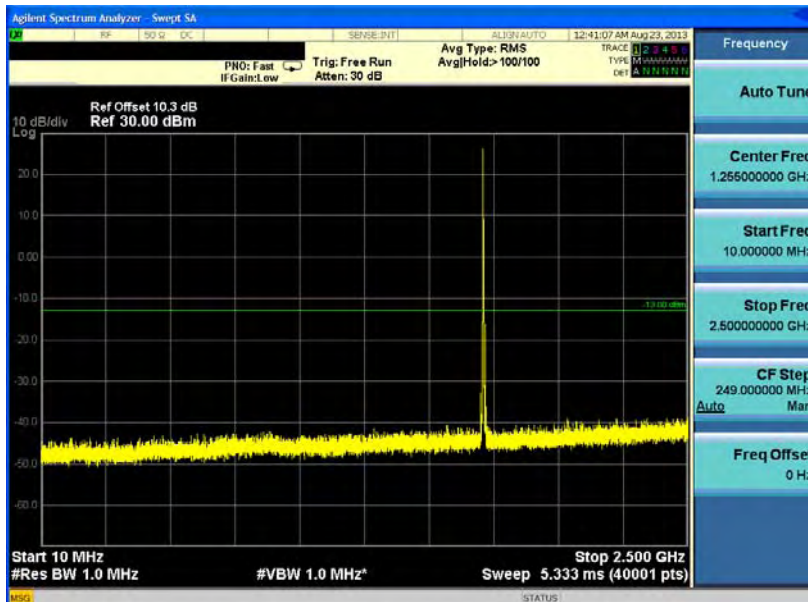
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK

1753.5 MHz



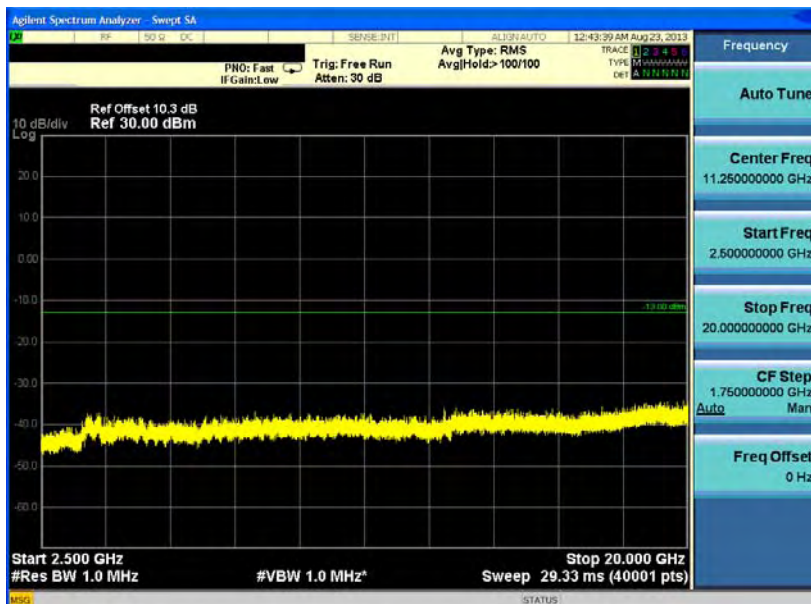
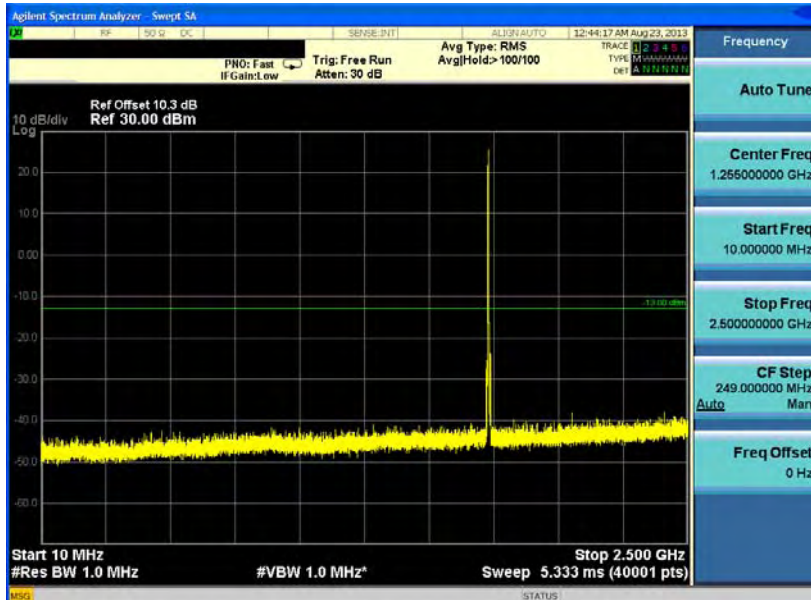
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK

1712.5 MHz



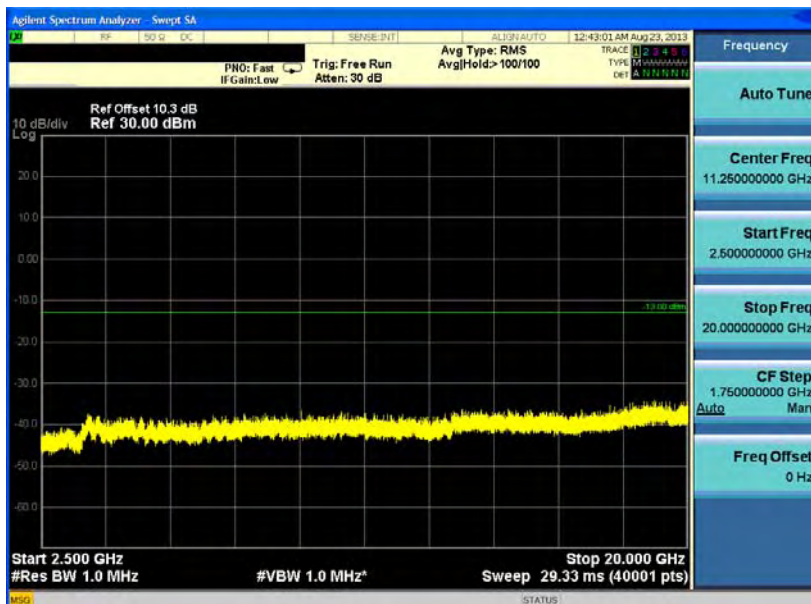
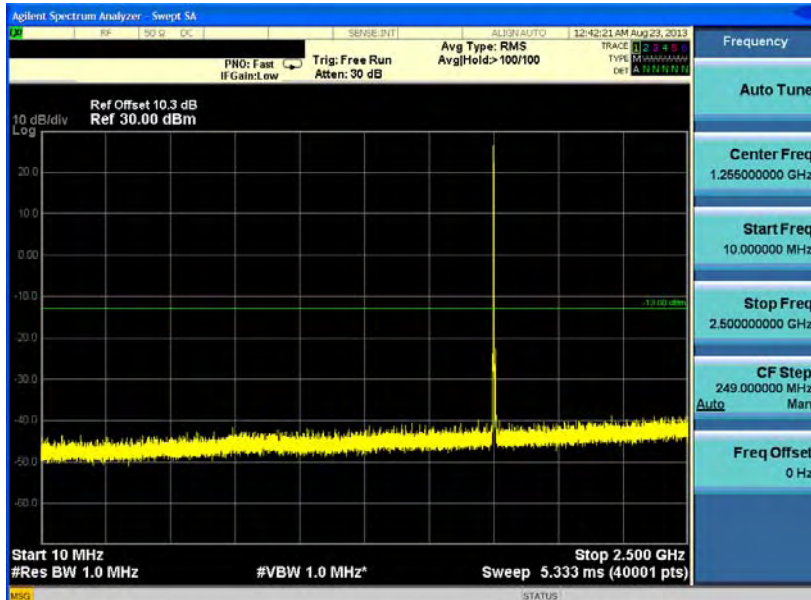
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK

1732.5 MHz



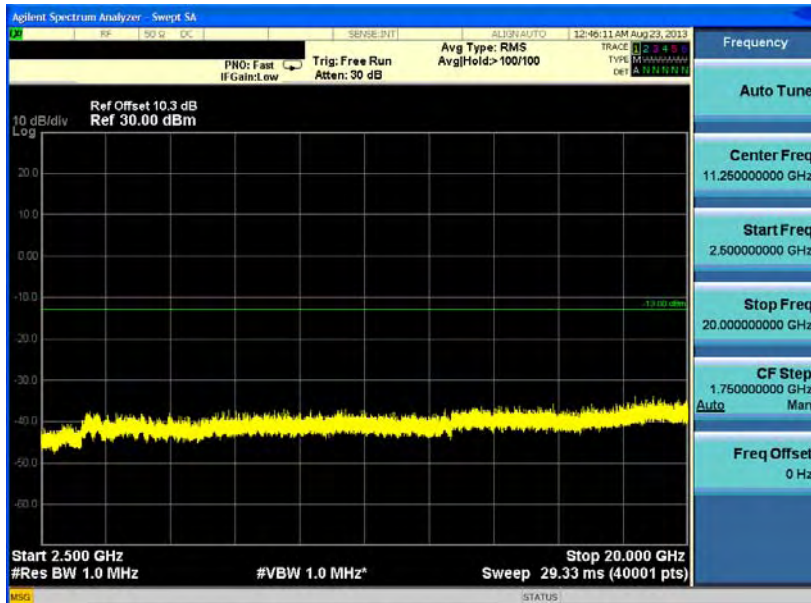
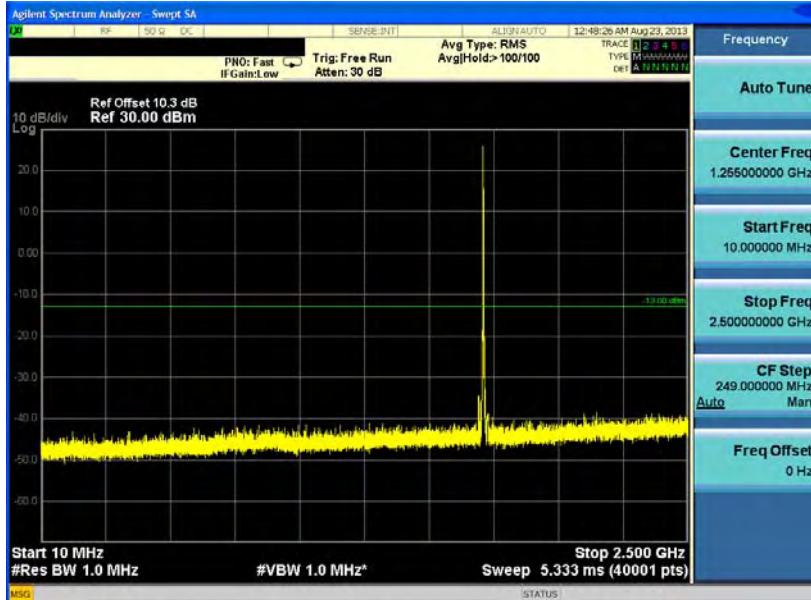
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK

1752.5 MHz



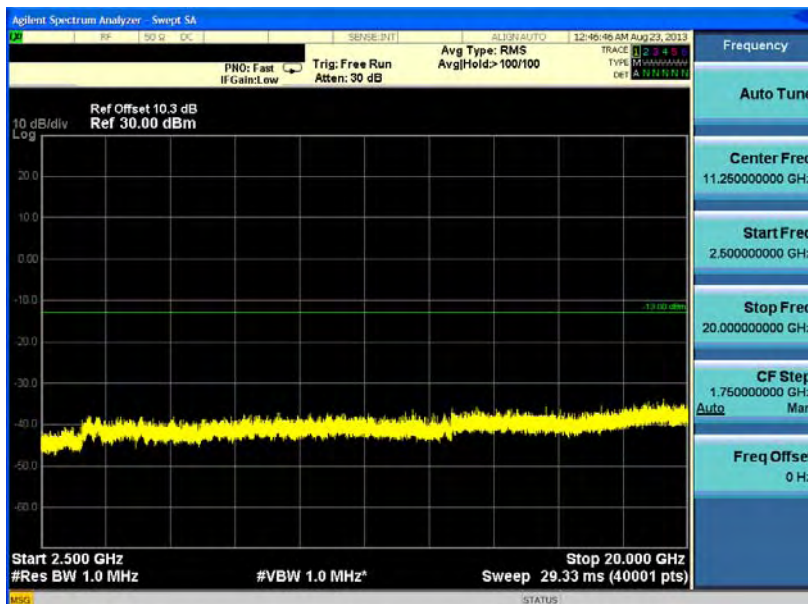
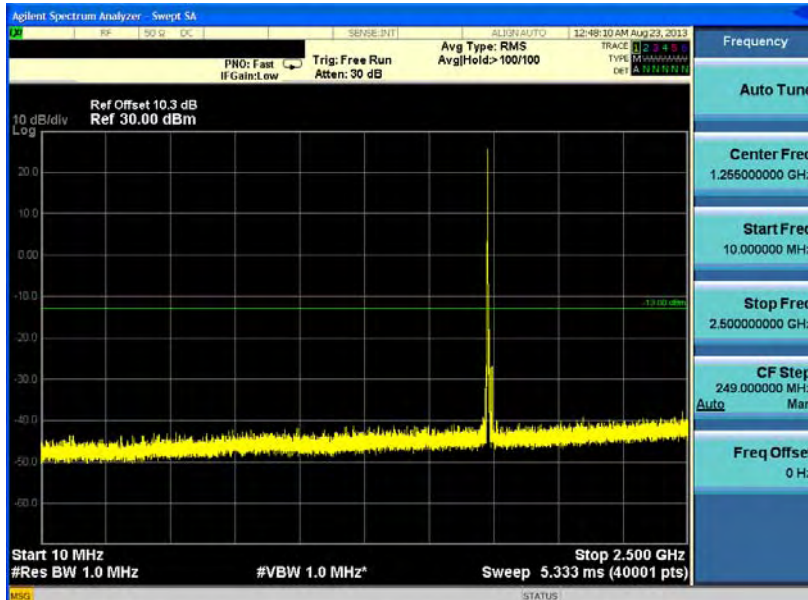
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK

1715.0 MHz



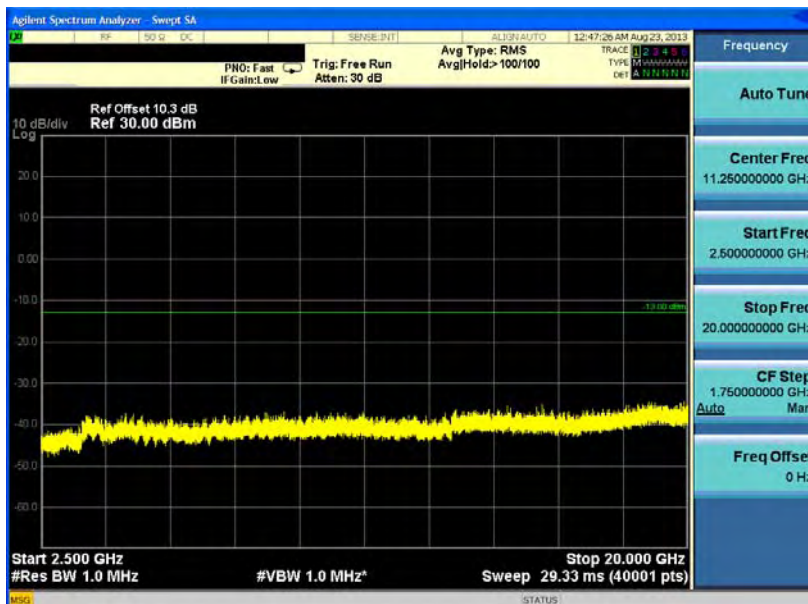
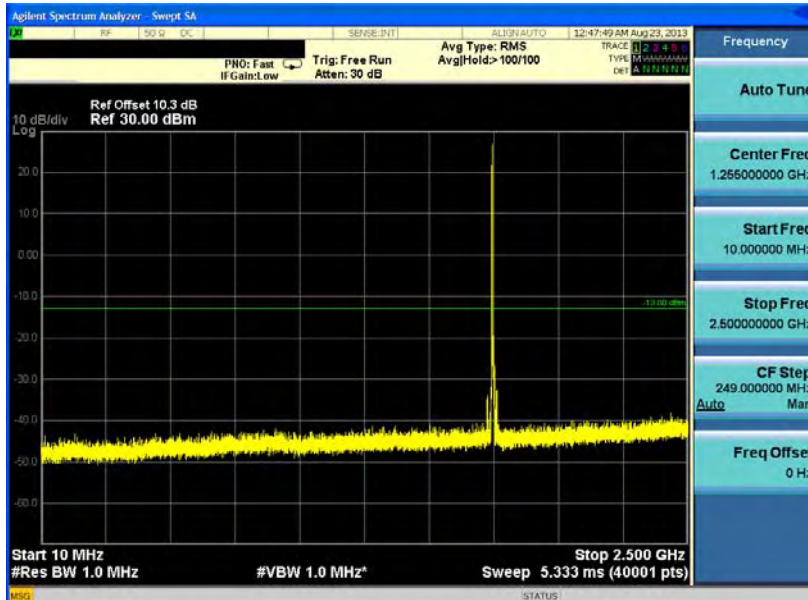
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK

11732.5 MHz



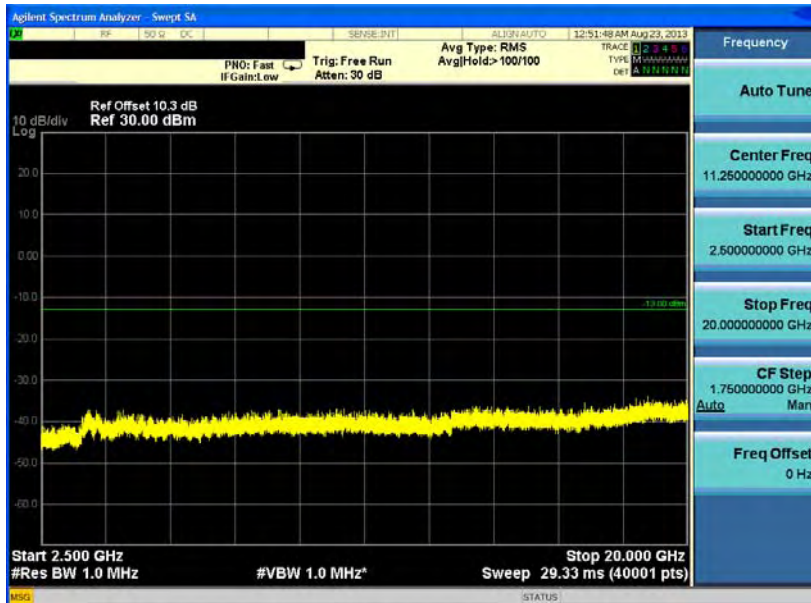
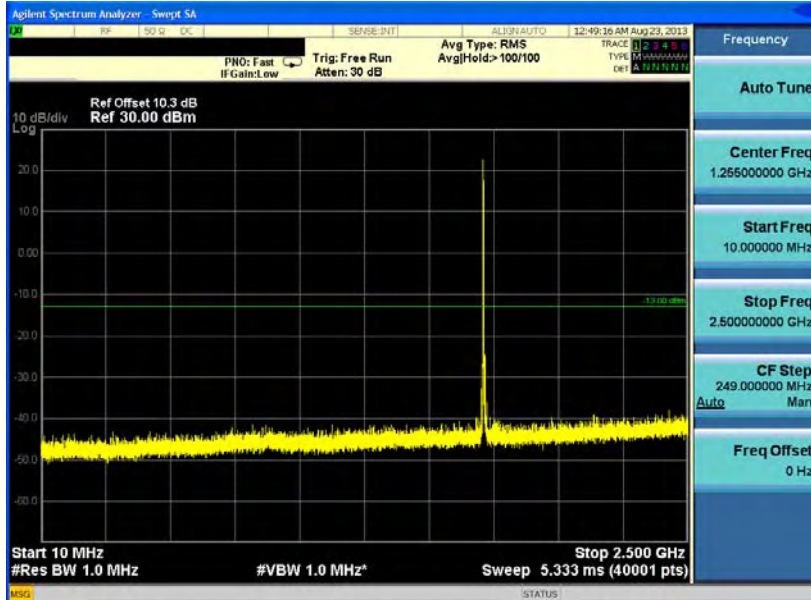
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK

1750.0 MHz



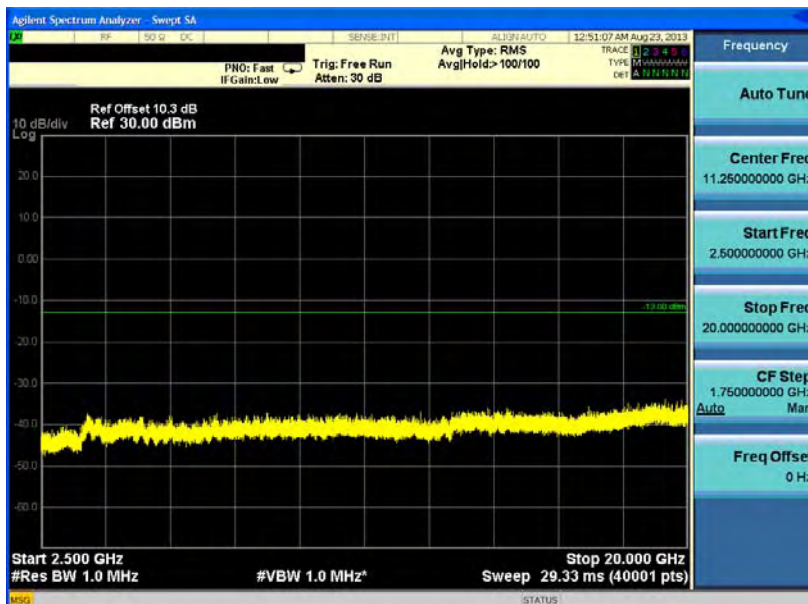
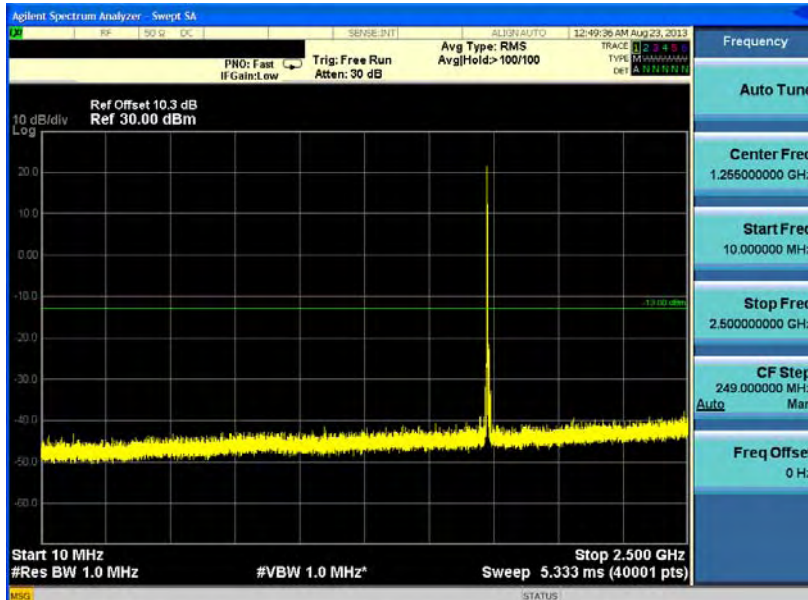
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK

1717.5 MHz



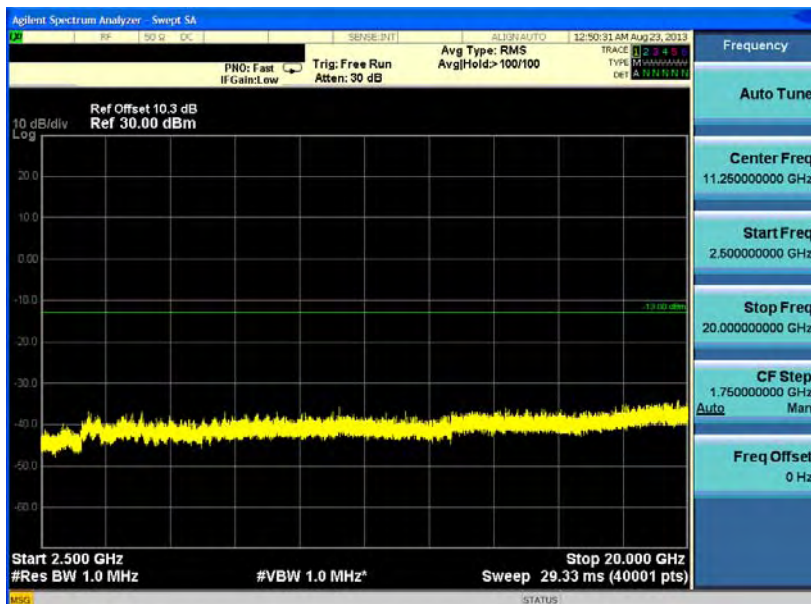
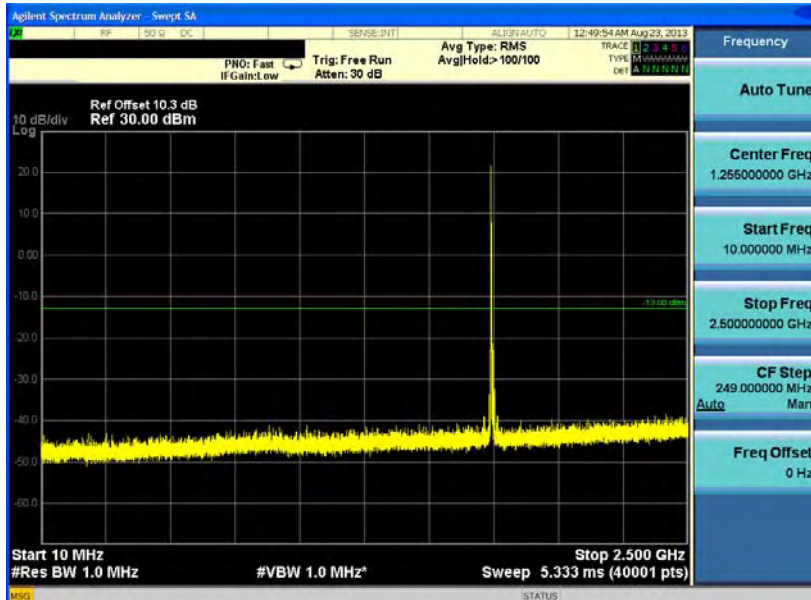
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK

1732.5 MHz



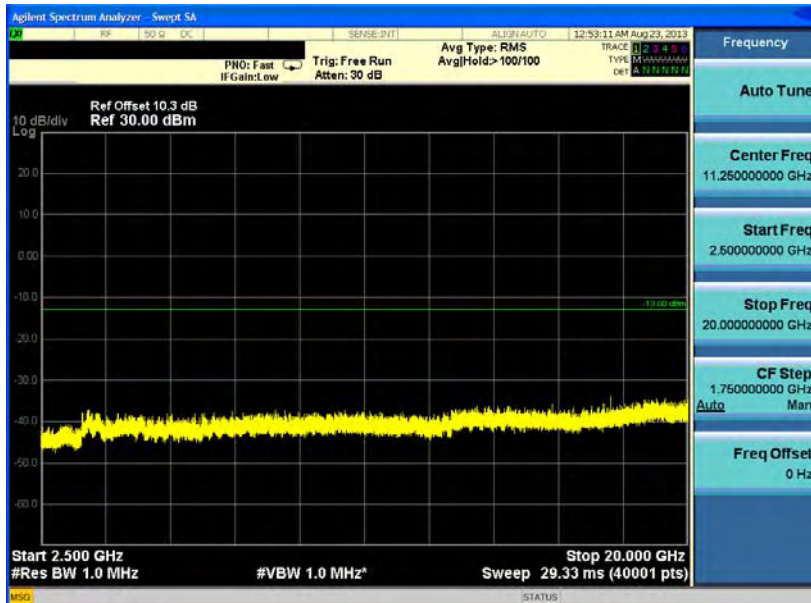
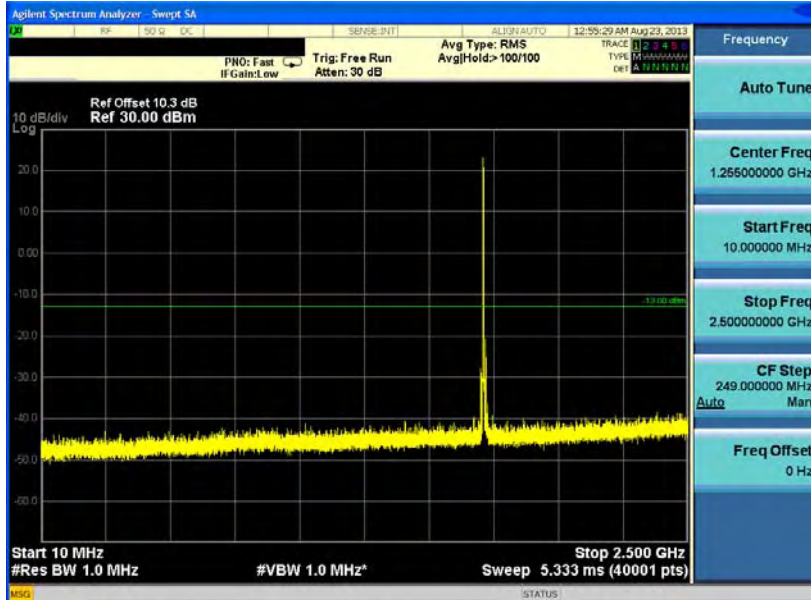
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK

1747.5 MHz



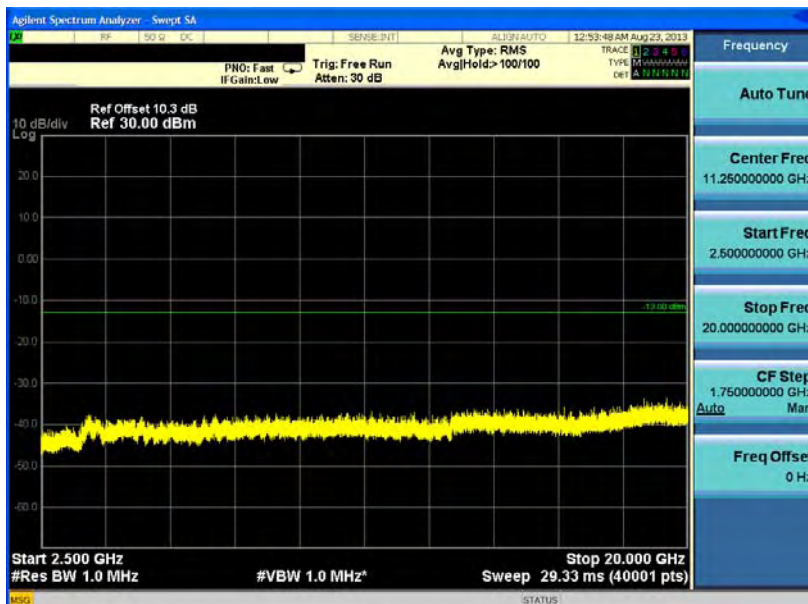
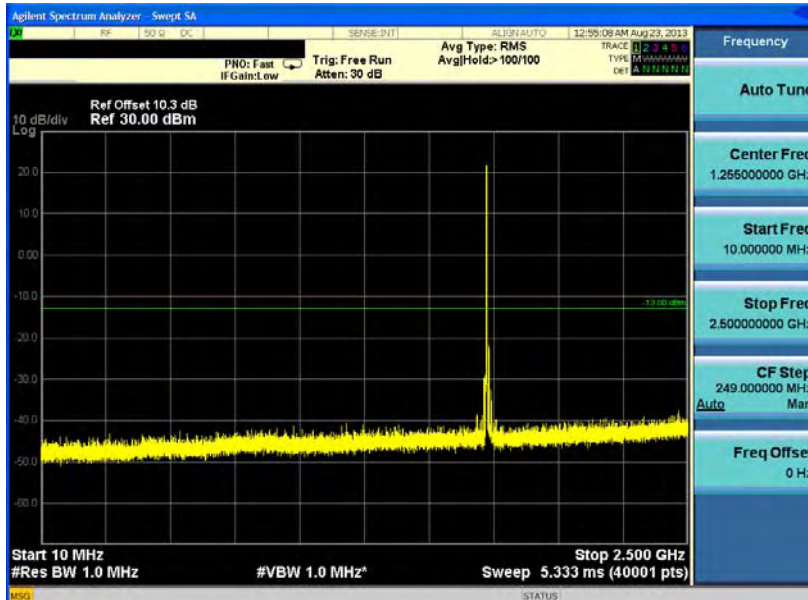
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK

1720.0 MHz



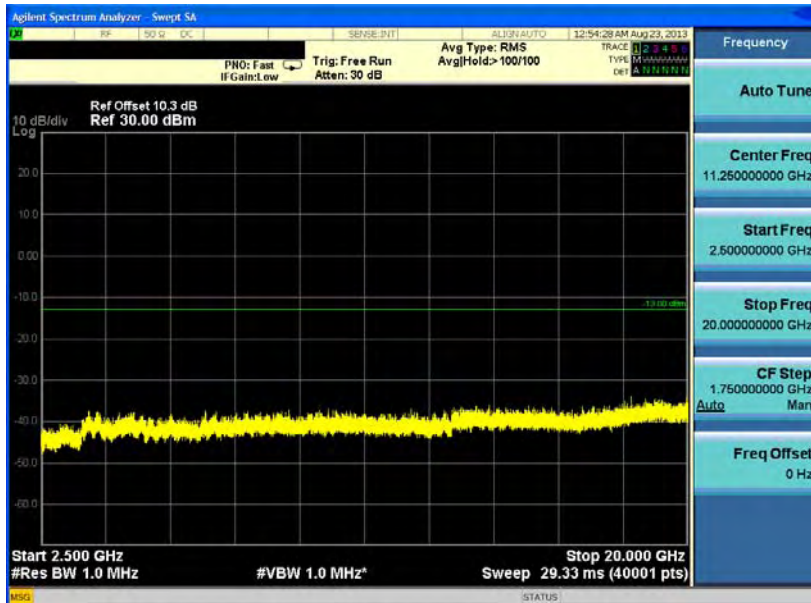
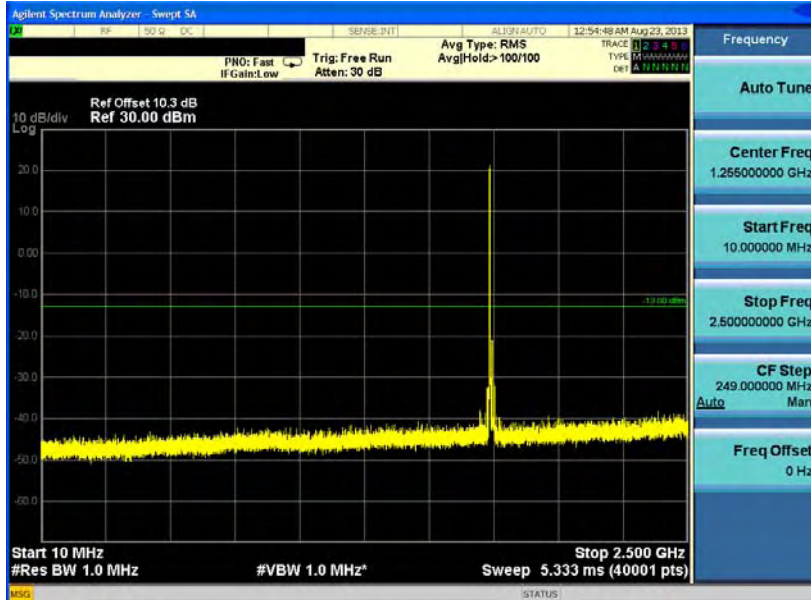
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK

1732.5 MHz



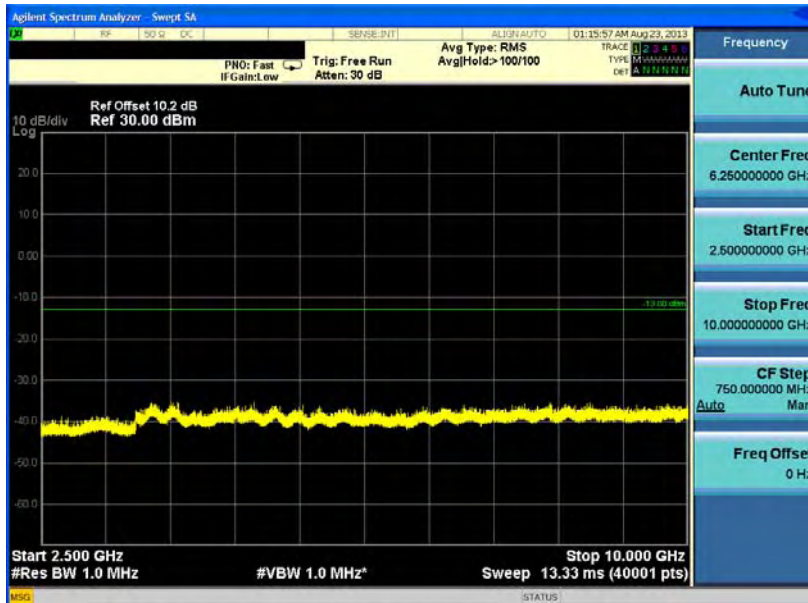
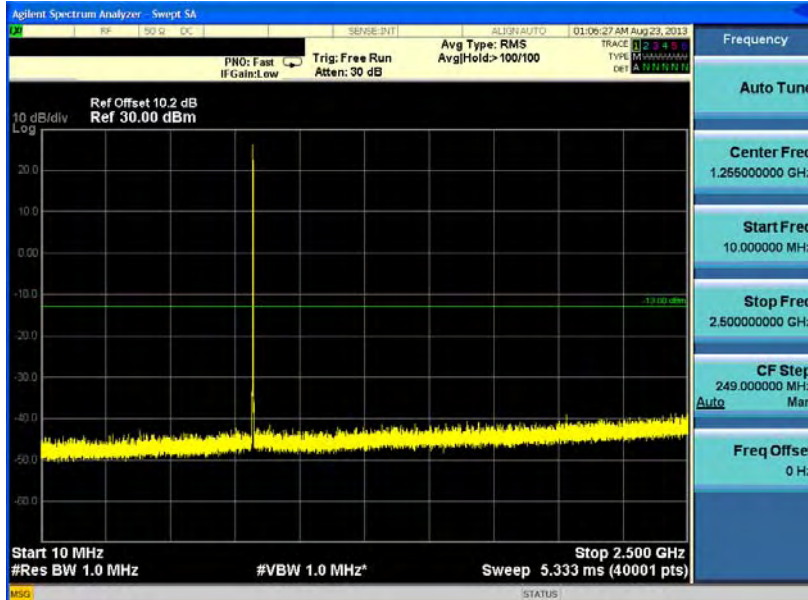
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK

1745.0 MHz



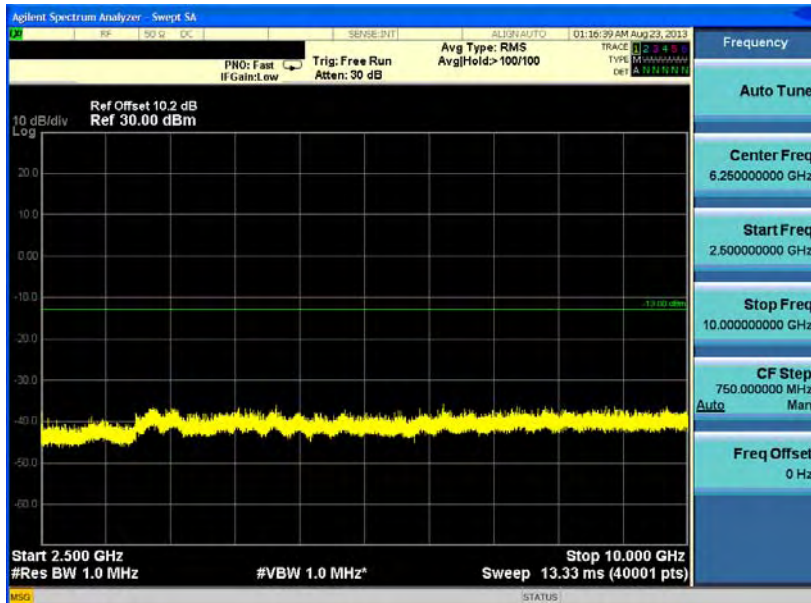
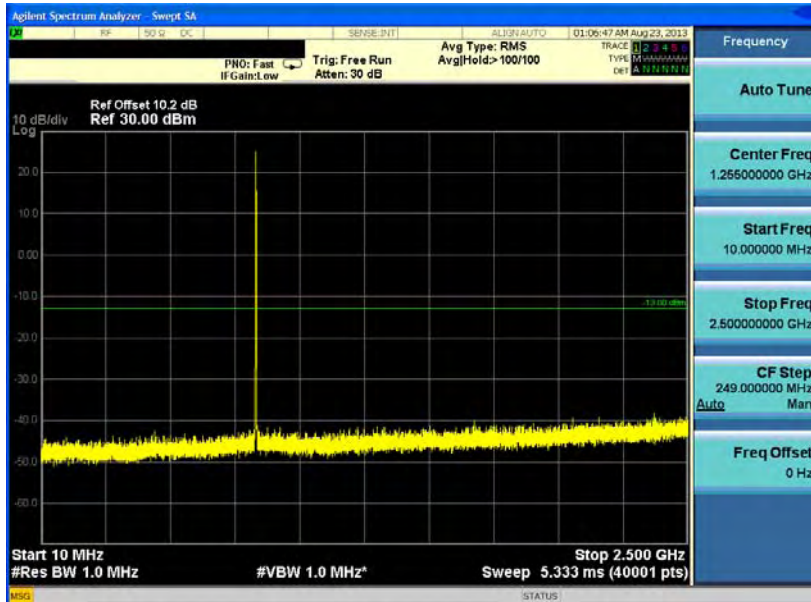
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK

824.7 MHz



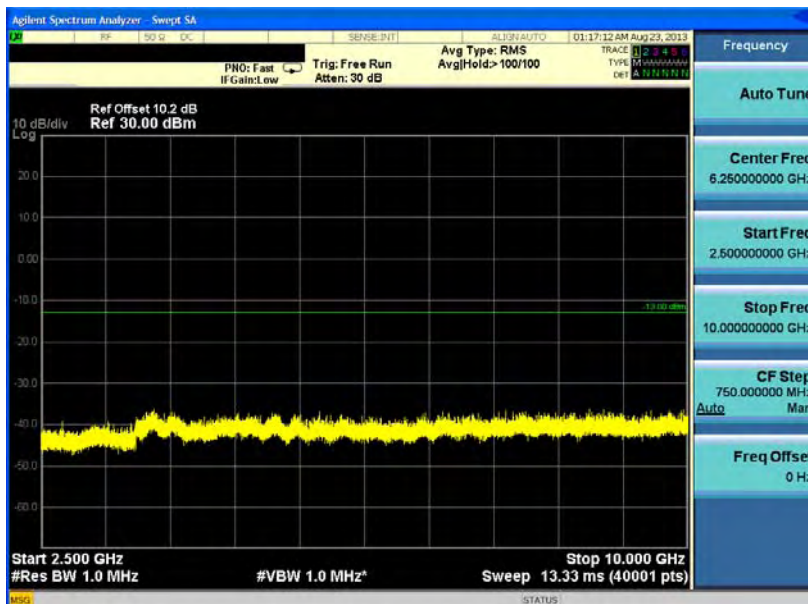
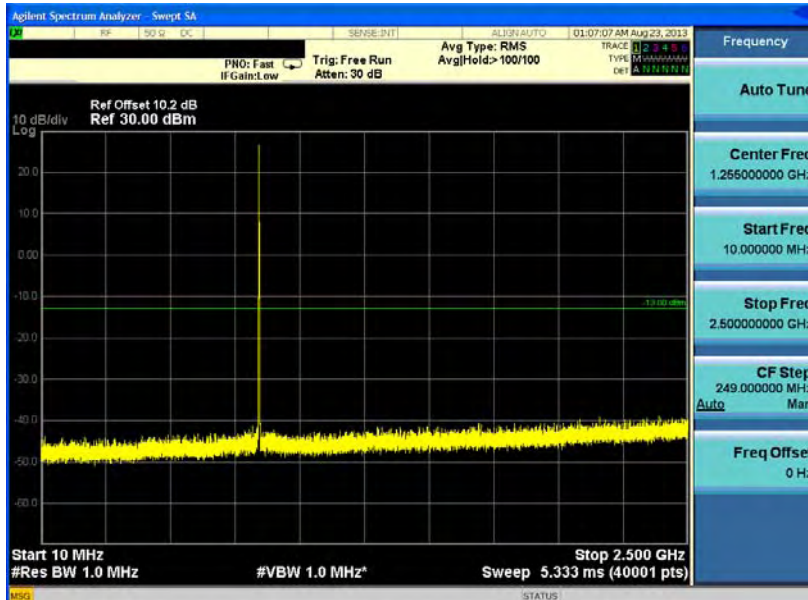
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK

836.5 MHz



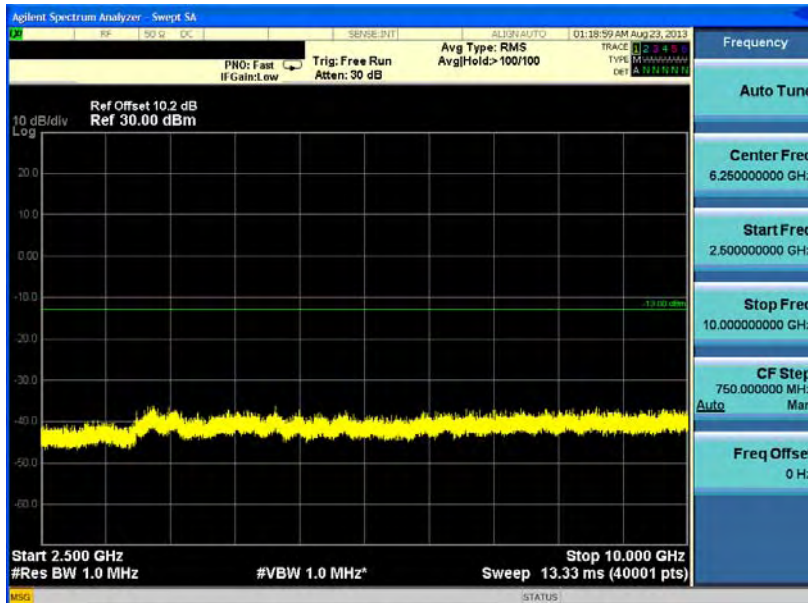
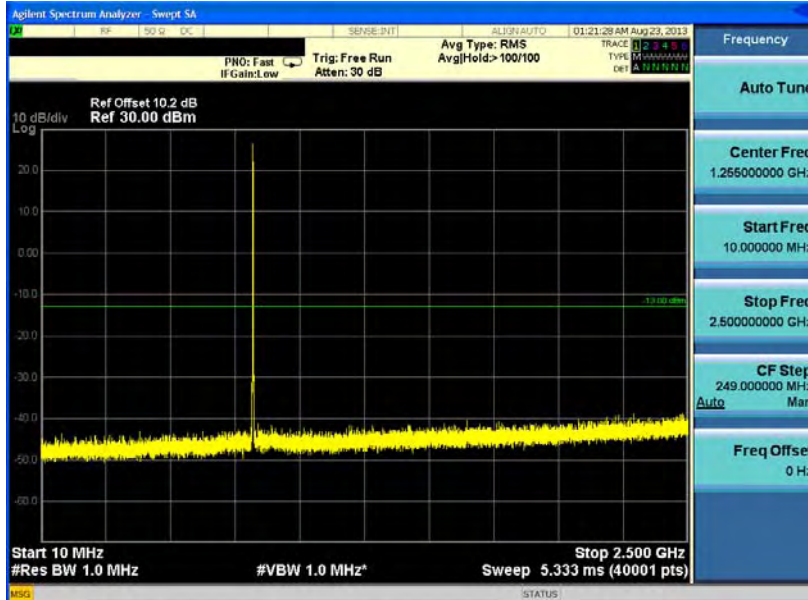
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK

848.3 MHz



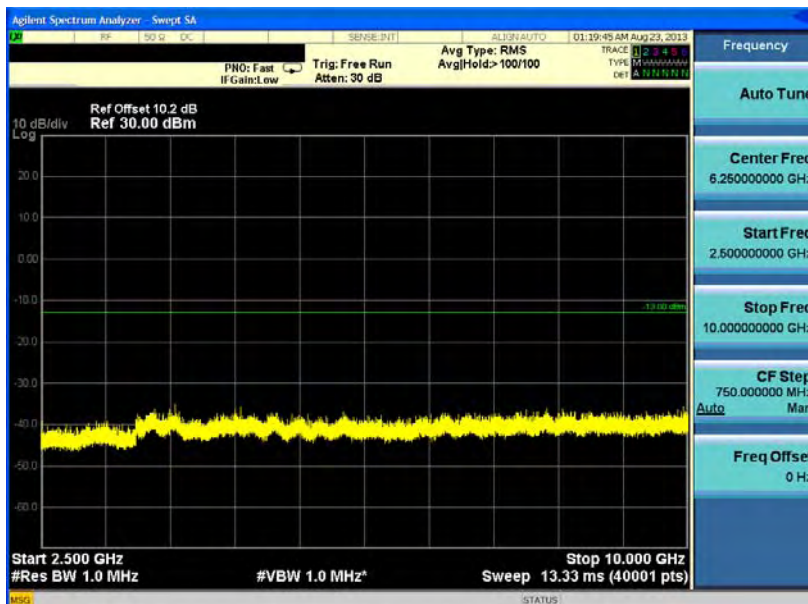
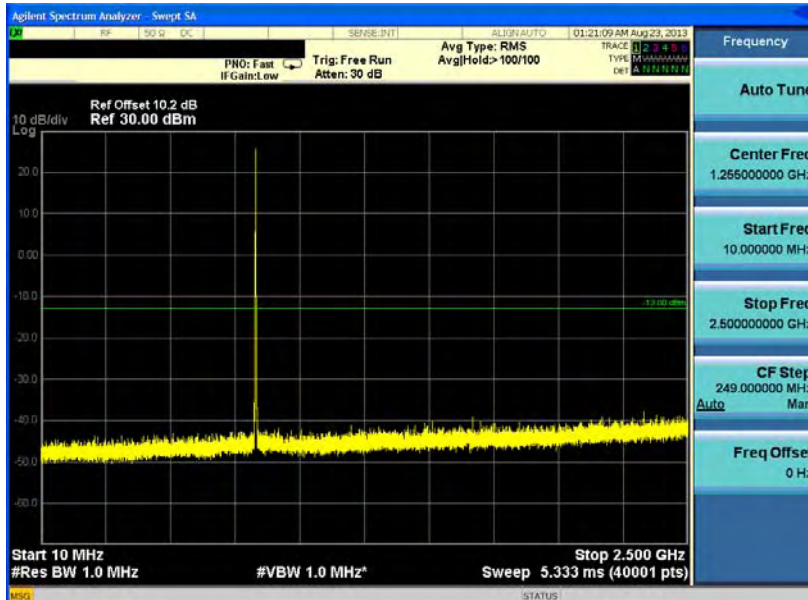
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK

825.5 MHz



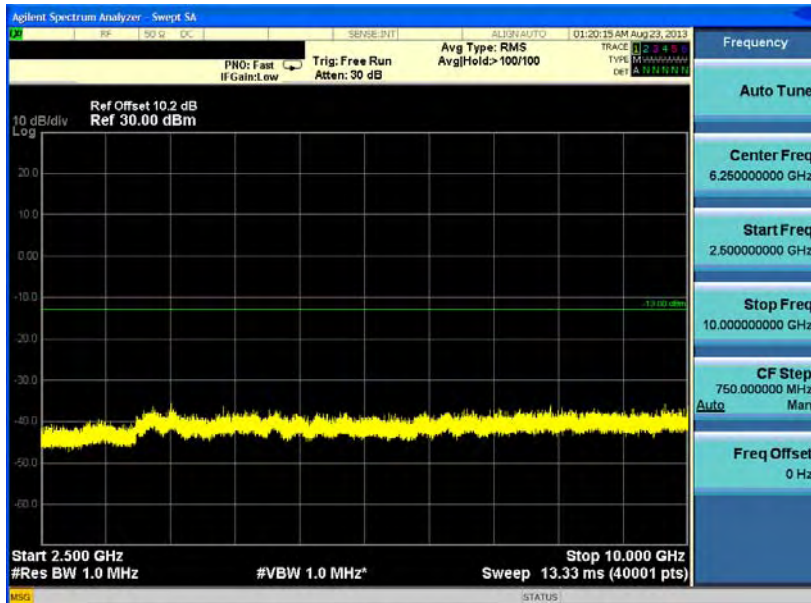
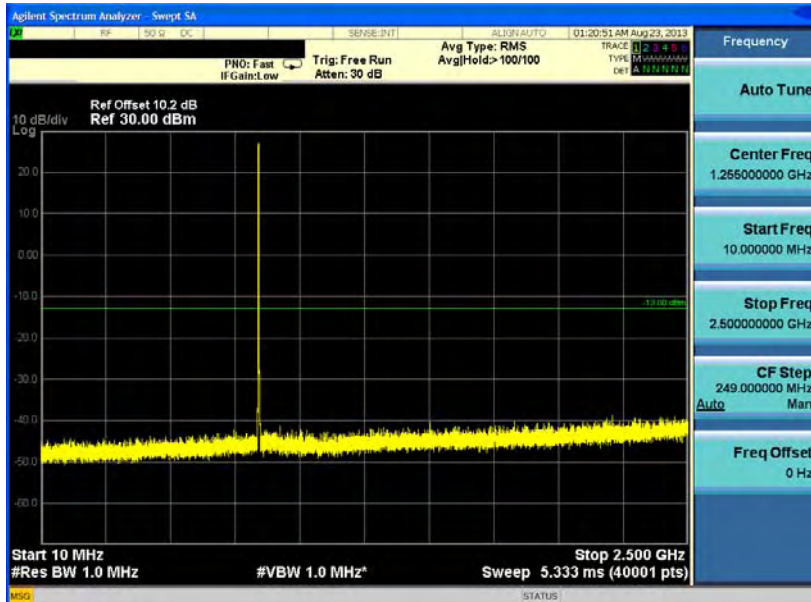
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK

836.5 MHz



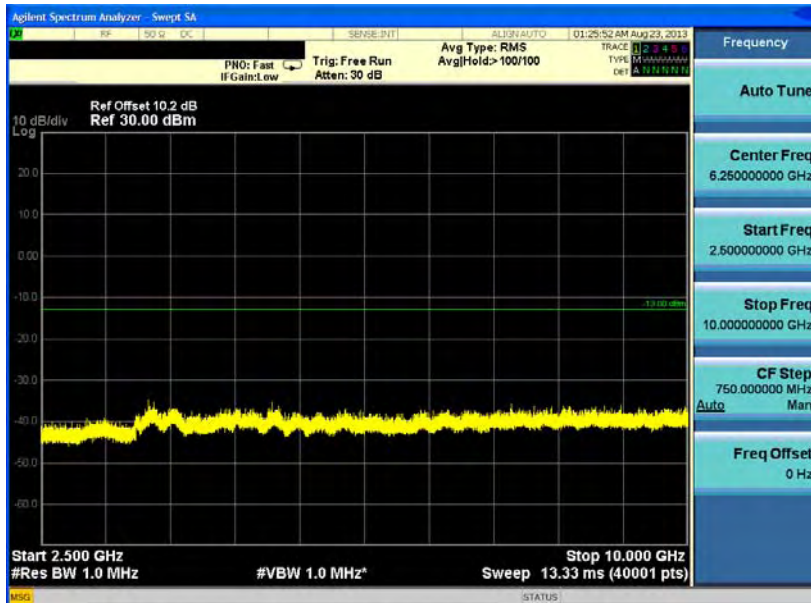
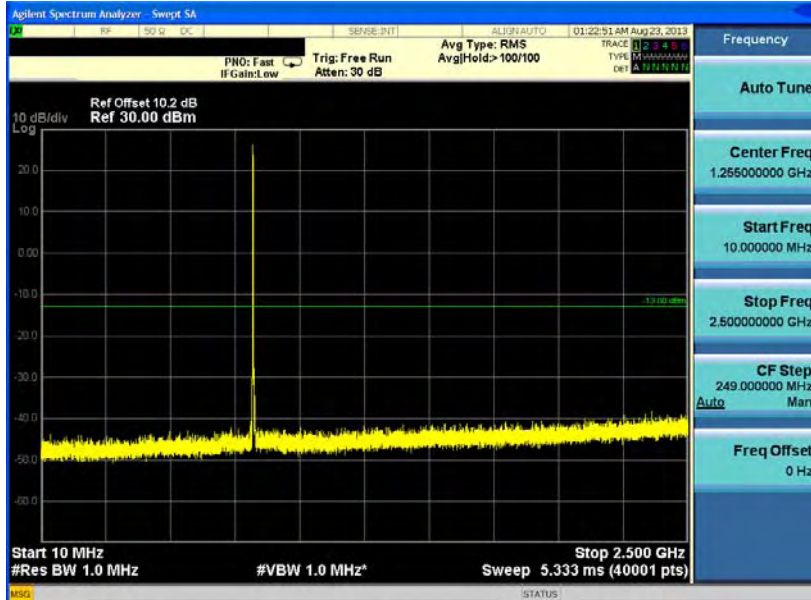
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK

847.5 MHz



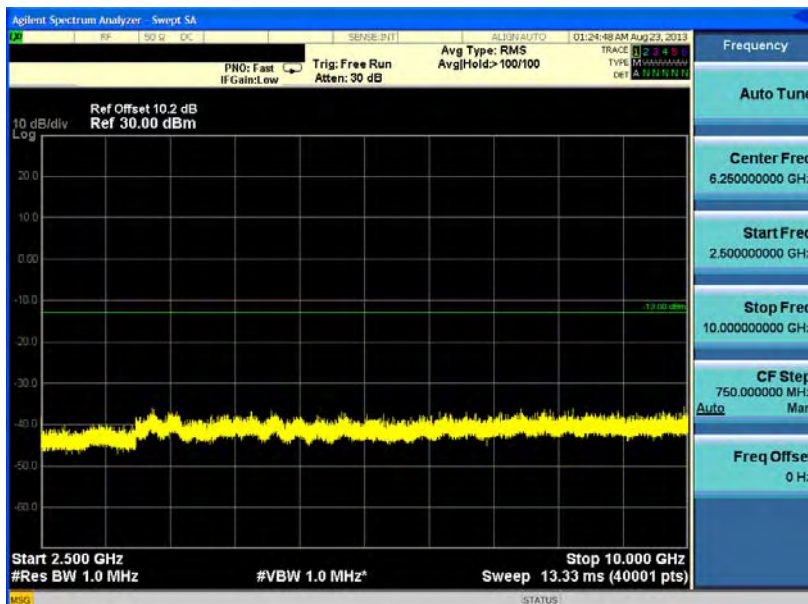
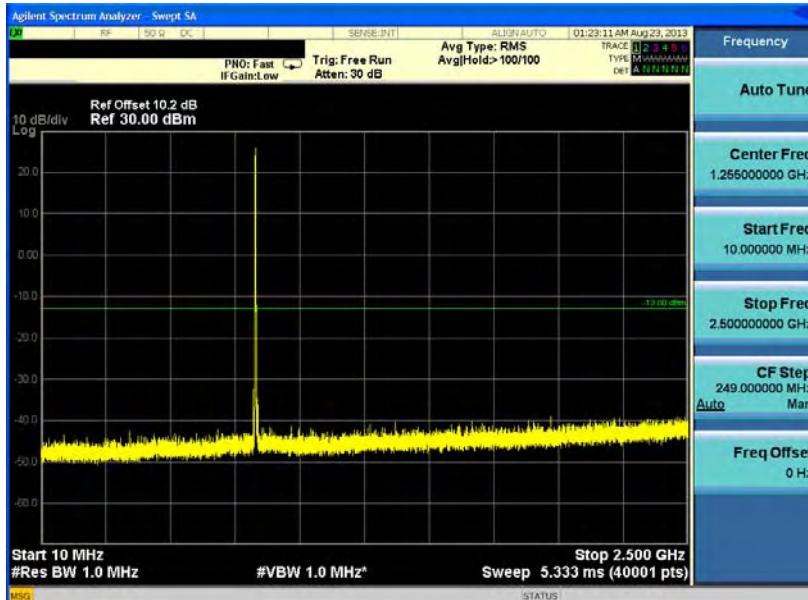
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK

826.5 MHz



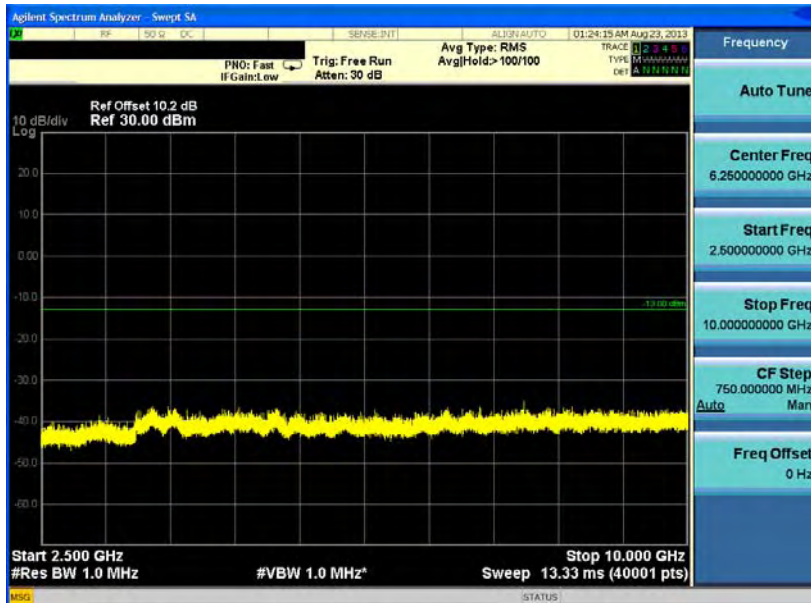
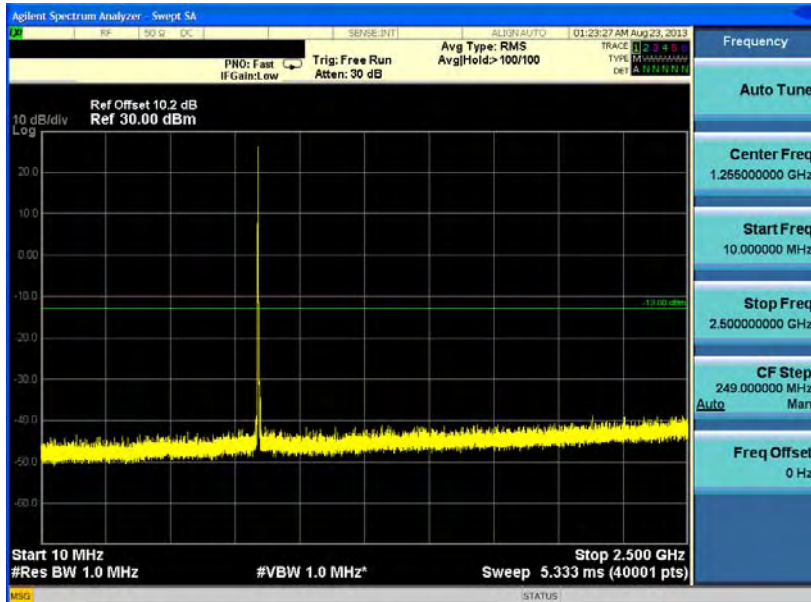
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK

836.5 MHz



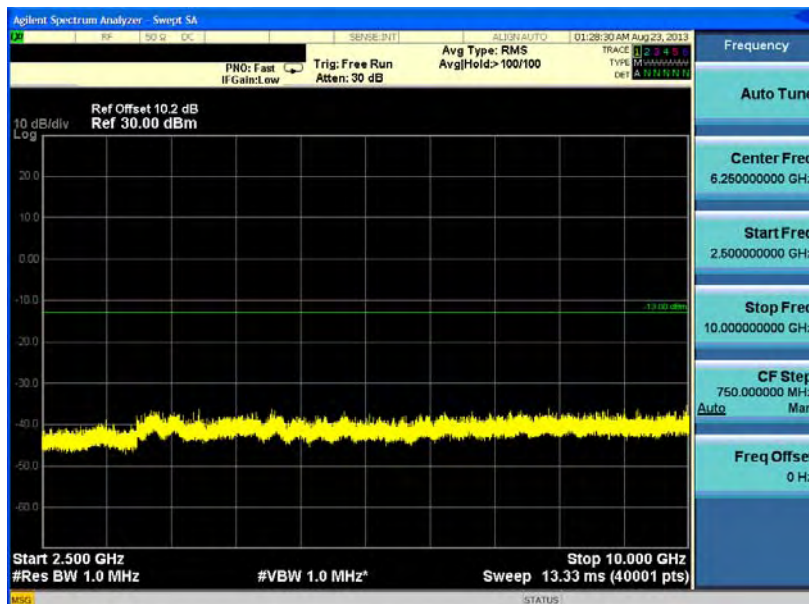
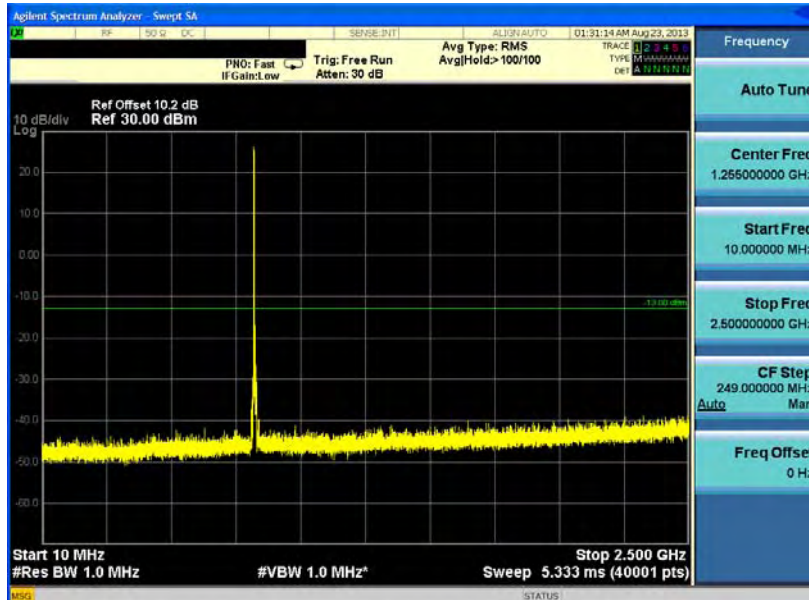
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK

846.5 MHz



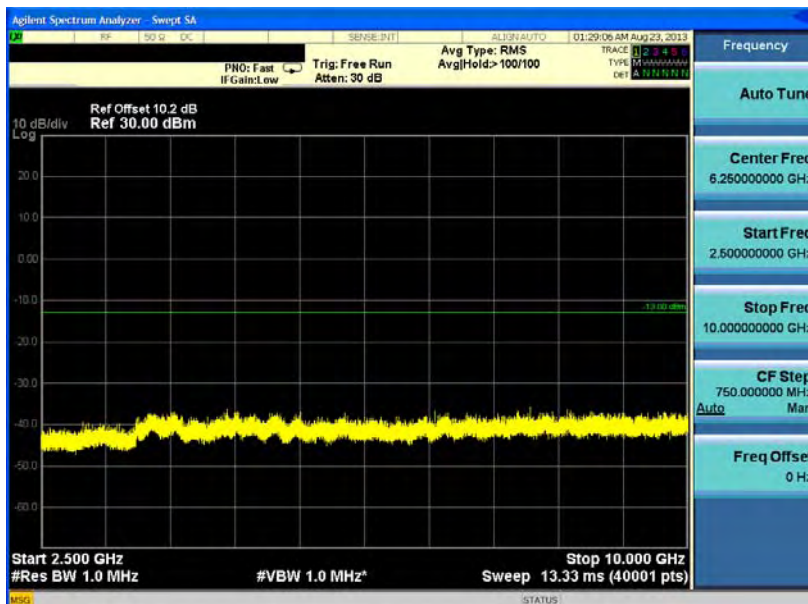
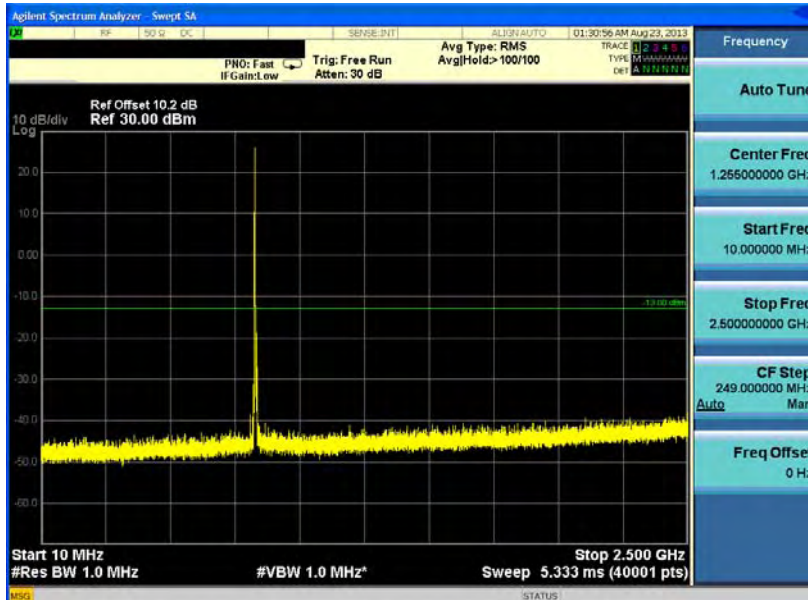
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK

829.0 MHz



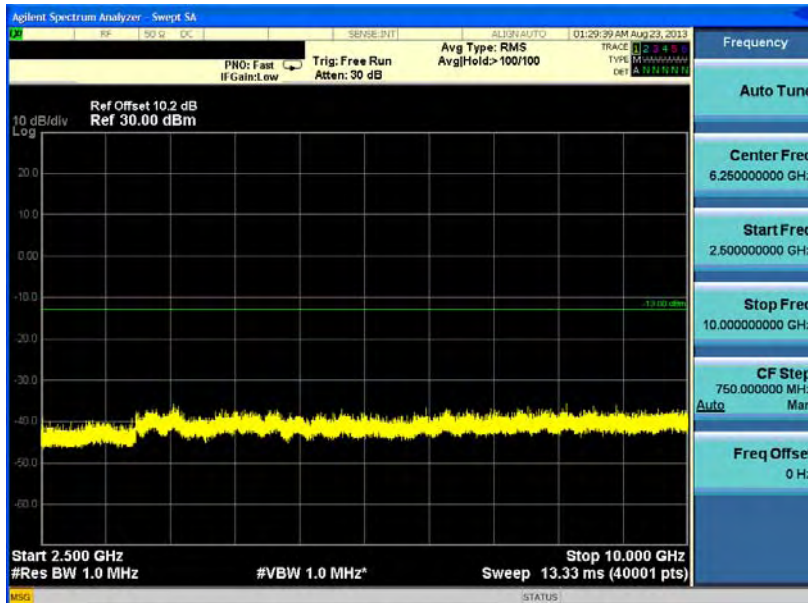
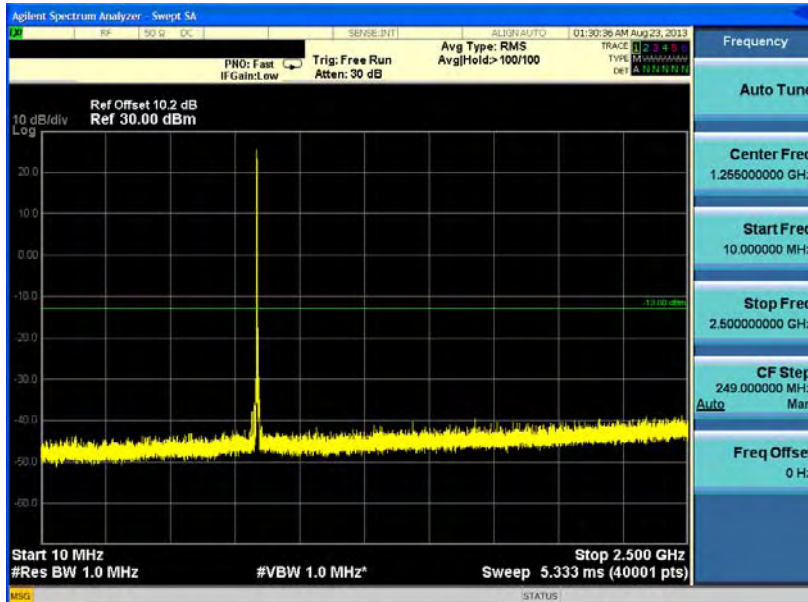
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK

836.5 MHz



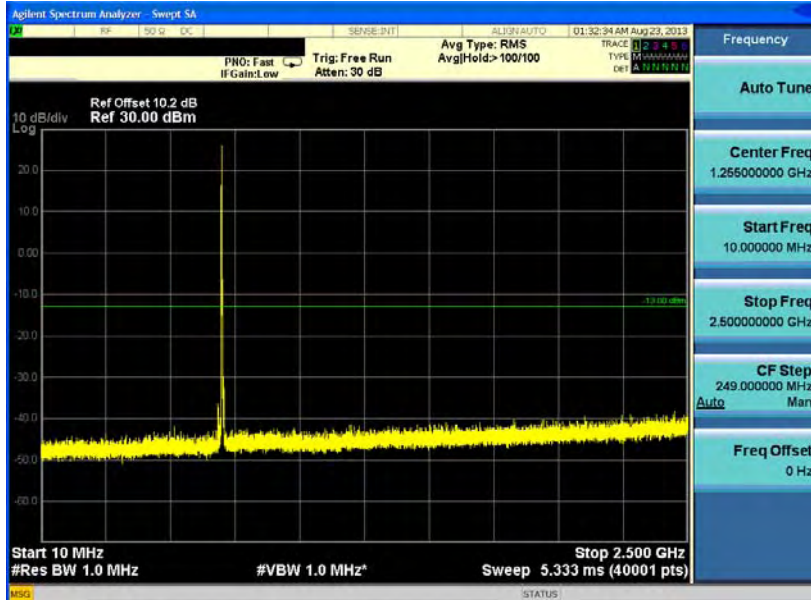
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK

844.0 MHz



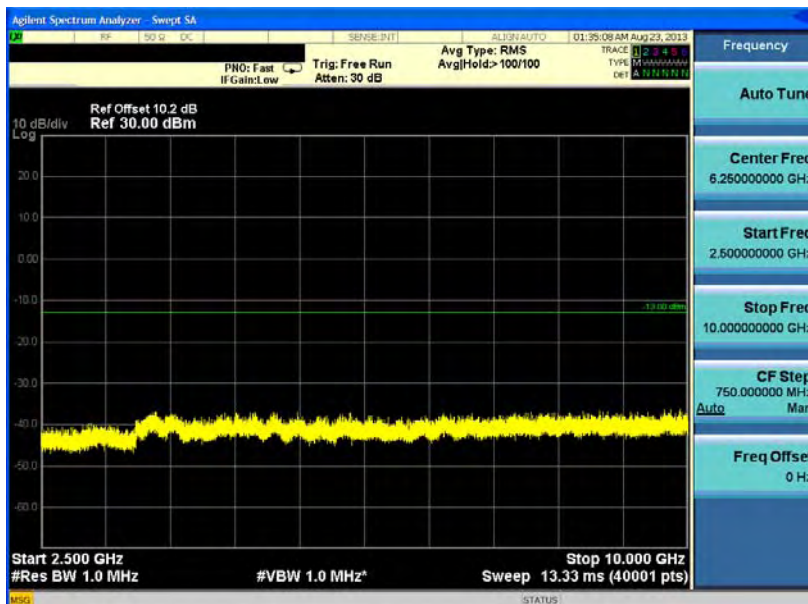
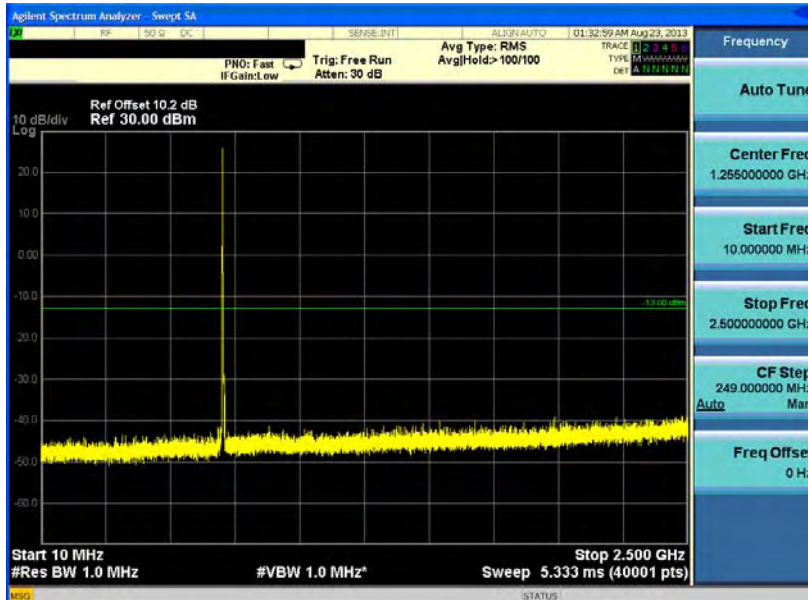
LTE Band 17 (Channel Bandwidth: 5 MHz) _ QPSK

706.5 MHz



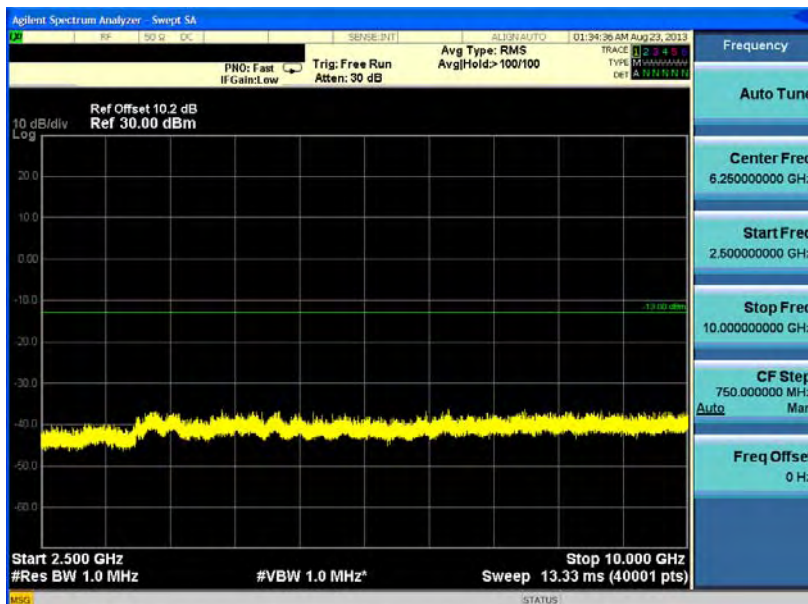
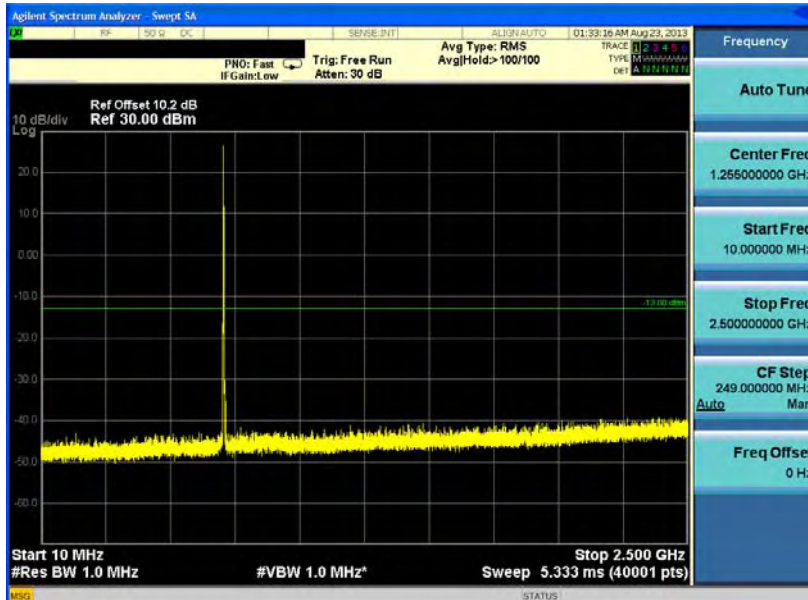
LTE Band 17 (Channel Bandwidth: 5 MHz) _ QPSK

710.0 MHz



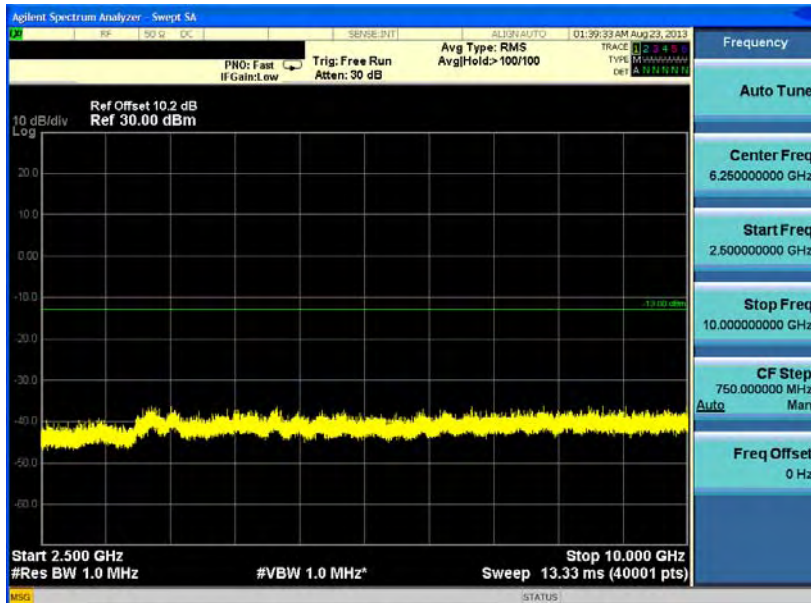
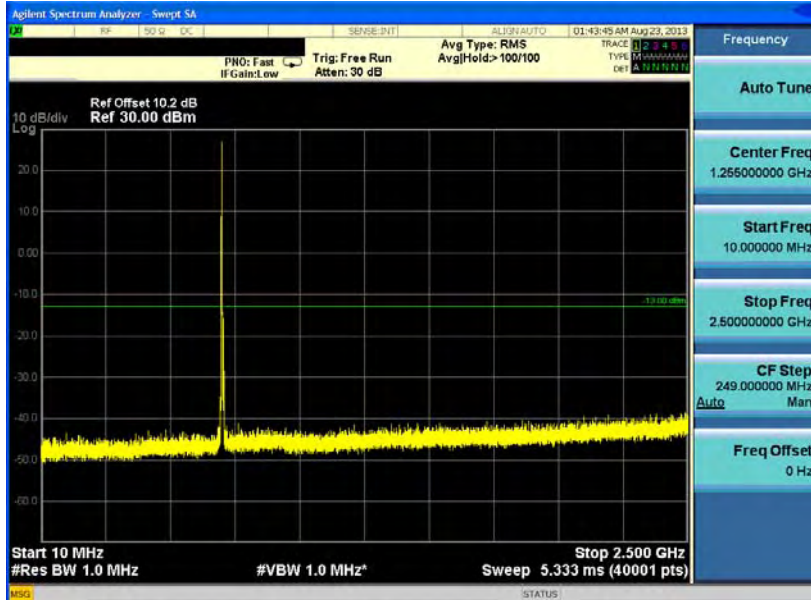
LTE Band 17 (Channel Bandwidth: 5 MHz) _ QPSK

713.5 MHz



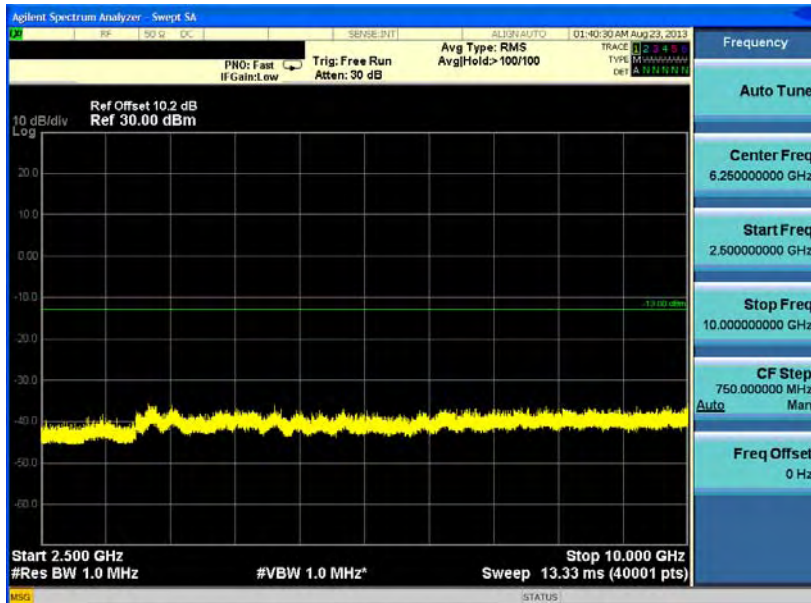
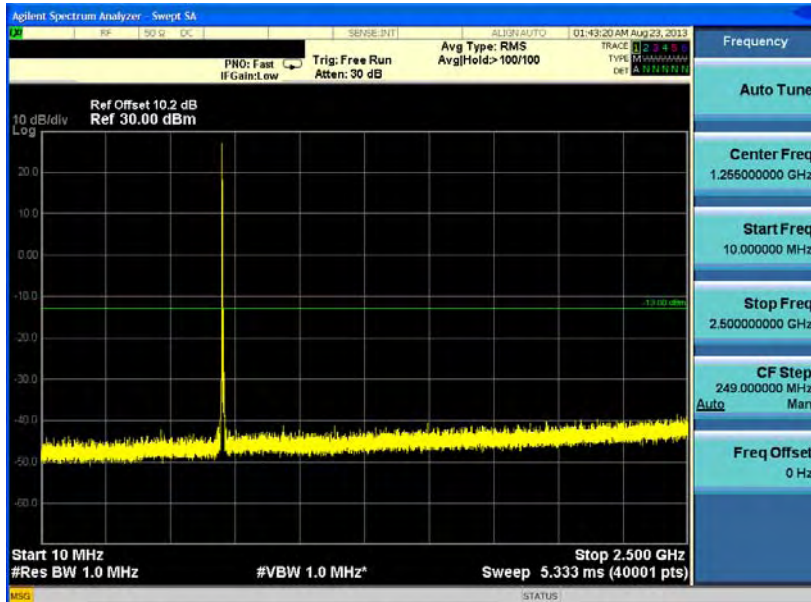
LTE Band 17 (Channel Bandwidth: 10 MHz) _ QPSK

709.0 MHz



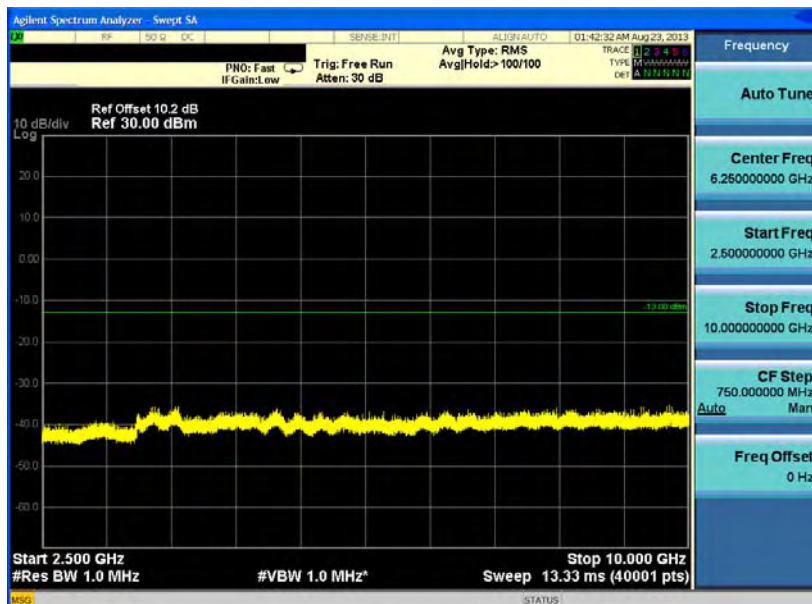
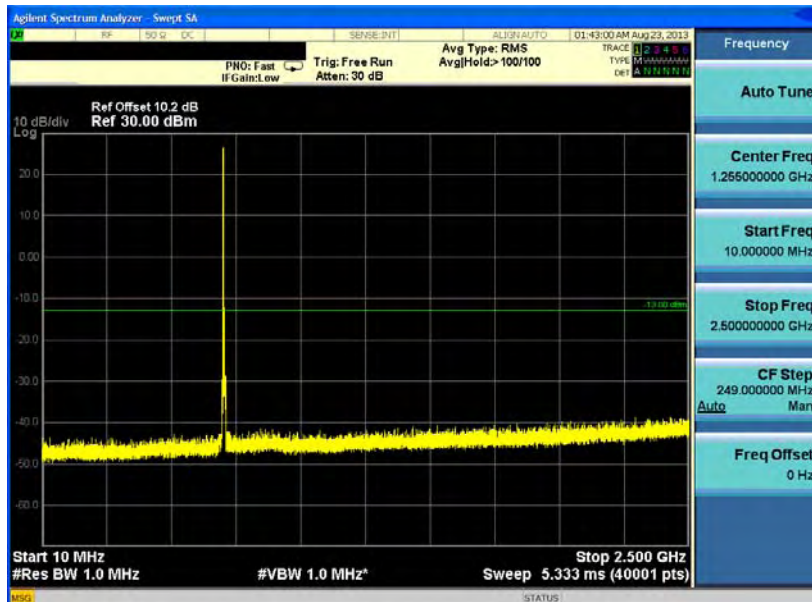
LTE Band 17 (Channel Bandwidth: 10 MHz) _ QPSK

710.0 MHz



LTE Band 17 (Channel Bandwidth: 10 MHz) _ QPSK

711.0 MHz



9 Field Strength of Spurious Radiation Test

9.1. Limit

§22.917 (e) and §24.238 (a): Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

§27.53 (g) For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB.

§27.53 (h) For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB.

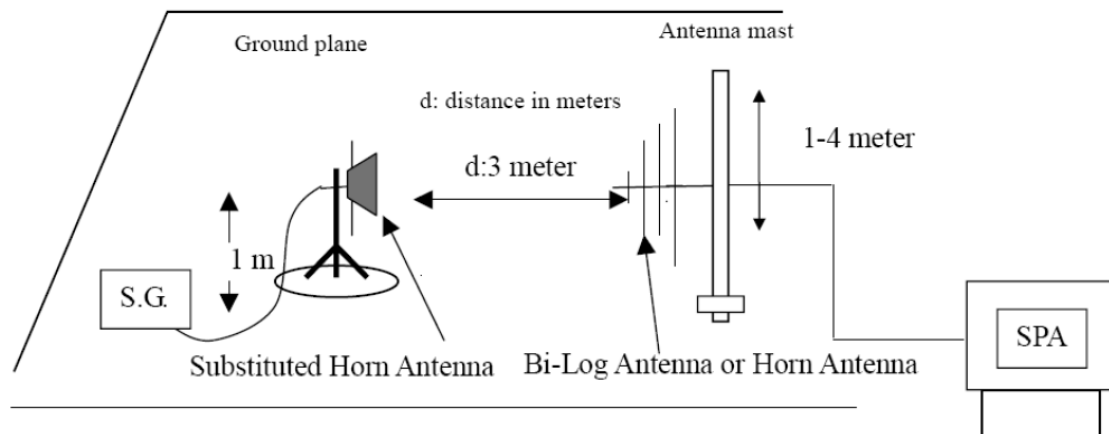
9.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/21/2013	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/21/2013	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/21/2013	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/21/2013	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/16/2013	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/10/2013	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/13/2013	(1)
Test Site	ATL	TE01	888001	08/28/2012	(1)

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

9.3. Setup



9.4. Test Procedure

- a. Pre Scan has been conducted and radiation three axis to determine the worst case mode all possible combinations between available modulations.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 meters away from the receiving antenna, which was mounted on antenna tower and its position at 0.8 m above the ground.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading and recorded the value.
- e. Repeat step a ~ c for horizontal polarization.

Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

9.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

9.6. Test Result

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/27/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1850.7 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-59.99	-2.40	-62.39	-13.00	-49.39	peak	H
2	165.0000	-64.38	-2.44	-66.82	-13.00	-53.82	peak	H
3	297.0000	-67.02	-2.66	-69.68	-13.00	-56.68	peak	H
4	495.0000	-73.35	6.67	-66.68	-13.00	-53.68	peak	H
5	579.5000	-85.91	7.61	-78.30	-13.00	-65.30	peak	H
6	611.0000	-83.58	7.80	-75.78	-13.00	-62.78	peak	H
7	2740.000	-72.08	17.09	-54.99	-13.00	-41.99	peak	H
8	5332.000	-74.30	25.28	-49.02	-13.00	-36.02	peak	H
9	7684.000	-73.52	33.73	-39.79	-13.00	-26.79	peak	H
1	135.0000	-64.35	11.65	-52.70	-13.00	-39.70	peak	V
2	165.0000	-62.33	7.96	-54.37	-13.00	-41.37	peak	V
3	297.0000	-64.24	2.44	-61.80	-13.00	-48.80	peak	V
4	363.0000	-56.73	2.31	-54.42	-13.00	-41.42	peak	V
5	495.0000	-61.98	2.66	-59.32	-13.00	-46.32	peak	V
6	693.0000	-77.24	9.97	-67.27	-13.00	-54.27	peak	V
7	2800.000	-70.59	18.79	-51.80	-13.00	-38.80	peak	V
8	5284.000	-72.69	27.54	-45.15	-13.00	-32.15	peak	V
9	7012.000	-71.89	30.58	-41.31	-13.00	-28.31	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/27/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	87.5000	-66.64	-0.84	-67.48	-13.00	-54.48	peak	H
2	165.0000	-64.69	-2.44	-67.13	-13.00	-54.13	peak	H
3	297.0000	-67.01	-2.66	-69.67	-13.00	-56.67	peak	H
4	495.0000	-73.95	6.67	-67.28	-13.00	-54.28	peak	H
5	660.0000	-80.83	7.16	-73.67	-13.00	-60.67	peak	H
6	726.0000	-78.98	7.70	-71.28	-13.00	-58.28	peak	H
7	2956.000	-70.74	17.62	-53.12	-13.00	-40.12	peak	H
8	5392.000	-72.04	25.55	-46.49	-13.00	-33.49	peak	H
9	7612.000	-72.41	33.77	-38.64	-13.00	-25.64	peak	H
1	130.0000	-66.68	14.37	-52.31	-13.00	-39.31	peak	V
2	165.0000	-62.33	7.96	-54.37	-13.00	-41.37	peak	V
3	297.0000	-63.41	2.44	-60.97	-13.00	-47.97	peak	V
4	363.0000	-56.85	2.31	-54.54	-13.00	-41.54	peak	V
5	495.0000	-61.66	2.66	-59.00	-13.00	-46.00	peak	V
6	660.0000	-76.67	9.39	-67.28	-13.00	-54.28	peak	V
7	2944.000	-71.02	19.82	-51.20	-13.00	-38.20	peak	V
8	4816.000	-71.44	26.78	-44.66	-13.00	-31.66	peak	V
9	7456.000	-72.97	31.04	-41.93	-13.00	-28.93	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/27/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1909.3 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.0000	-60.20	-2.75	-62.95	-13.00	-49.95	peak	H
2	165.0000	-64.74	-2.44	-67.18	-13.00	-54.18	peak	H
3	297.0000	-66.76	-2.66	-69.42	-13.00	-56.42	peak	H
4	363.0000	-73.84	0.16	-73.68	-13.00	-60.68	peak	H
5	495.0000	-73.90	6.67	-67.23	-13.00	-54.23	peak	H
6	660.0000	-80.37	7.16	-73.21	-13.00	-60.21	peak	H
7	3184.000	-70.11	18.23	-51.88	-13.00	-38.88	peak	H
8	5344.000	-74.19	25.34	-48.85	-13.00	-35.85	peak	H
9	7900.000	-74.61	33.69	-40.92	-13.00	-27.92	peak	H
1	135.5000	-62.65	11.39	-51.26	-13.00	-38.26	peak	V
2	165.0000	-62.98	7.96	-55.02	-13.00	-42.02	peak	V
3	297.0000	-63.35	2.44	-60.91	-13.00	-47.91	peak	V
4	363.0000	-56.80	2.31	-54.49	-13.00	-41.49	peak	V
5	495.0000	-62.04	2.66	-59.38	-13.00	-46.38	peak	V
6	660.0000	-77.01	9.39	-67.62	-13.00	-54.62	peak	V
7	2812.000	-72.68	18.88	-53.80	-13.00	-40.80	peak	V
8	5152.000	-72.09	27.33	-44.76	-13.00	-31.76	peak	V
9	7804.000	-73.85	30.67	-43.18	-13.00	-30.18	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/27/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1851.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-58.16	-2.10	-60.26	-13.00	-47.26	peak	H
2	211.5000	-67.14	0.47	-66.67	-13.00	-53.67	peak	H
3	297.0000	-66.68	-2.66	-69.34	-13.00	-56.34	peak	H
4	495.0000	-74.24	6.67	-67.57	-13.00	-54.57	peak	H
5	598.0000	-82.78	7.90	-74.88	-13.00	-61.88	peak	H
6	726.0000	-77.77	7.70	-70.07	-13.00	-57.07	peak	H
7	2788.000	-71.58	17.21	-54.37	-13.00	-41.37	peak	H
8	5236.000	-73.63	24.84	-48.79	-13.00	-35.79	peak	H
9	7588.000	-73.63	33.75	-39.88	-13.00	-26.88	peak	H
1	135.5000	-64.19	11.39	-52.80	-13.00	-39.80	peak	V
2	165.0000	-62.62	7.96	-54.66	-13.00	-41.66	peak	V
3	297.0000	-63.87	2.44	-61.43	-13.00	-48.43	peak	V
4	363.0000	-56.94	2.31	-54.63	-13.00	-41.63	peak	V
5	528.0000	-71.41	3.57	-67.84	-13.00	-54.84	peak	V
6	726.0000	-82.18	10.75	-71.43	-13.00	-58.43	peak	V
7	2716.000	-73.35	18.18	-55.17	-13.00	-42.17	peak	V
8	5164.000	-74.86	27.36	-47.50	-13.00	-34.50	peak	V
9	7696.000	-74.42	30.82	-43.60	-13.00	-30.60	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/27/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-57.90	-2.46	-60.36	-13.00	-47.36	peak	H
2	165.0000	-64.52	-2.44	-66.96	-13.00	-53.96	peak	H
3	297.0000	-67.00	-2.66	-69.66	-13.00	-56.66	peak	H
4	495.0000	-73.97	6.67	-67.30	-13.00	-54.30	peak	H
5	627.0000	-80.95	7.39	-73.56	-13.00	-60.56	peak	H
6	726.0000	-79.20	7.70	-71.50	-13.00	-58.50	peak	H
7	2812.000	-72.83	17.28	-55.55	-13.00	-42.55	peak	H
8	5152.000	-74.43	24.45	-49.98	-13.00	-36.98	peak	H
9	7648.000	-73.80	33.75	-40.05	-13.00	-27.05	peak	H
1	74.0000	-53.53	-8.78	-62.31	-13.00	-49.31	peak	V
2	134.5000	-64.03	11.93	-52.10	-13.00	-39.10	peak	V
3	165.0000	-62.02	7.96	-54.06	-13.00	-41.06	peak	V
4	297.0000	-63.43	2.44	-60.99	-13.00	-47.99	peak	V
5	363.0000	-57.01	2.31	-54.70	-13.00	-41.70	peak	V
6	660.0000	-76.89	9.39	-67.50	-13.00	-54.50	peak	V
7	2692.000	-71.70	18.01	-53.69	-13.00	-40.69	peak	V
8	4996.000	-73.59	27.10	-46.49	-13.00	-33.49	peak	V
9	7552.000	-72.89	31.01	-41.88	-13.00	-28.88	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/27/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1908.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-57.93	-2.24	-60.17	-13.00	-47.17	peak	H
2	165.0000	-65.00	-2.44	-67.44	-13.00	-54.44	peak	H
3	297.0000	-66.44	-2.66	-69.10	-13.00	-56.10	peak	H
4	495.0000	-74.67	6.67	-68.00	-13.00	-55.00	peak	H
5	660.0000	-80.15	7.16	-72.99	-13.00	-59.99	peak	H
6	726.0000	-78.12	7.70	-70.42	-13.00	-57.42	peak	H
7	2908.000	-71.14	17.51	-53.63	-13.00	-40.63	peak	H
8	5296.000	-72.65	25.11	-47.54	-13.00	-34.54	peak	H
9	7564.000	-73.49	33.77	-39.72	-13.00	-26.72	peak	H
1	141.0000	-62.02	8.84	-53.18	-13.00	-40.18	peak	V
2	165.0000	-61.69	7.96	-53.73	-13.00	-40.73	peak	V
3	297.0000	-63.48	2.44	-61.04	-13.00	-48.04	peak	V
4	363.0000	-56.86	2.31	-54.55	-13.00	-41.55	peak	V
5	495.0000	-61.62	2.66	-58.96	-13.00	-45.96	peak	V
6	726.0000	-79.15	10.75	-68.40	-13.00	-55.40	peak	V
7	2836.000	-72.49	19.05	-53.44	-13.00	-40.44	peak	V
8	5260.000	-73.45	27.49	-45.96	-13.00	-32.96	peak	V
9	7552.000	-72.75	31.01	-41.74	-13.00	-28.74	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1852.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.0000	-56.09	-2.17	-58.26	-13.00	-45.26	peak	H
2	165.0000	-64.23	-2.44	-66.67	-13.00	-53.67	peak	H
3	297.0000	-66.41	-2.66	-69.07	-13.00	-56.07	peak	H
4	495.0000	-72.62	6.67	-65.95	-13.00	-52.95	peak	H
5	660.0000	-78.36	7.16	-71.20	-13.00	-58.20	peak	H
6	726.0000	-76.92	7.70	-69.22	-13.00	-56.22	peak	H
7	3028.000	-71.51	17.81	-53.70	-13.00	-40.70	peak	H
8	5284.000	-72.05	25.07	-46.98	-13.00	-33.98	peak	H
9	7636.000	-72.97	33.75	-39.22	-13.00	-26.22	peak	H
1	130.5000	-65.59	14.10	-51.49	-13.00	-38.49	peak	V
2	165.0000	-61.41	7.96	-53.45	-13.00	-40.45	peak	V
3	297.0000	-63.42	2.44	-60.98	-13.00	-47.98	peak	V
4	363.0000	-57.00	2.31	-54.69	-13.00	-41.69	peak	V
5	495.0000	-61.83	2.66	-59.17	-13.00	-46.17	peak	V
6	693.0000	-77.34	9.97	-67.37	-13.00	-54.37	peak	V
7	2764.000	-72.42	18.53	-53.89	-13.00	-40.89	peak	V
8	5020.000	-73.57	27.14	-46.43	-13.00	-33.43	peak	V
9	7792.000	-75.46	30.69	-44.77	-13.00	-31.77	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-56.14	-2.40	-58.54	-13.00	-45.54	peak	H
2	165.0000	-65.06	-2.44	-67.50	-13.00	-54.50	peak	H
3	308.0000	-71.16	-1.79	-72.95	-13.00	-59.95	peak	H
4	495.0000	-73.88	6.67	-67.21	-13.00	-54.21	peak	H
5	660.0000	-77.82	7.16	-70.66	-13.00	-57.66	peak	H
6	726.0000	-79.83	7.70	-72.13	-13.00	-59.13	peak	H
7	2860.000	-70.75	17.39	-53.36	-13.00	-40.36	peak	H
8	5296.000	-73.56	25.11	-48.45	-13.00	-35.45	peak	H
9	7648.000	-72.61	33.75	-38.86	-13.00	-25.86	peak	H
1	130.0000	-65.95	14.37	-51.58	-13.00	-38.58	peak	V
2	165.0000	-62.41	7.96	-54.45	-13.00	-41.45	peak	V
3	297.0000	-63.77	2.44	-61.33	-13.00	-48.33	peak	V
4	363.0000	-57.05	2.31	-54.74	-13.00	-41.74	peak	V
5	495.0000	-61.99	2.66	-59.33	-13.00	-46.33	peak	V
6	693.0000	-77.37	9.97	-67.40	-13.00	-54.40	peak	V
7	2572.000	-70.46	17.13	-53.33	-13.00	-40.33	peak	V
8	5356.000	-73.91	27.63	-46.28	-13.00	-33.28	peak	V
9	7732.000	-73.37	30.77	-42.60	-13.00	-29.60	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1907.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	60.5000	-63.90	4.34	-59.56	-13.00	-46.56	peak	H
2	165.0000	-64.54	-2.44	-66.98	-13.00	-53.98	peak	H
3	297.0000	-66.88	-2.66	-69.54	-13.00	-56.54	peak	H
4	495.0000	-73.75	6.67	-67.08	-13.00	-54.08	peak	H
5	660.0000	-80.04	7.16	-72.88	-13.00	-59.88	peak	H
6	726.0000	-79.01	7.70	-71.31	-13.00	-58.31	peak	H
7	3244.000	-70.83	18.39	-52.44	-13.00	-39.44	peak	H
8	5308.000	-74.26	25.17	-49.09	-13.00	-36.09	peak	H
9	7684.000	-72.57	33.73	-38.84	-13.00	-25.84	peak	H
1	134.5000	-63.27	11.93	-51.34	-13.00	-38.34	peak	V
2	165.0000	-61.87	7.96	-53.91	-13.00	-40.91	peak	V
3	297.0000	-63.56	2.44	-61.12	-13.00	-48.12	peak	V
4	363.0000	-56.70	2.31	-54.39	-13.00	-41.39	peak	V
5	495.0000	-62.18	2.66	-59.52	-13.00	-46.52	peak	V
6	693.0000	-75.78	9.97	-65.81	-13.00	-52.81	peak	V
7	2836.000	-71.71	19.05	-52.66	-13.00	-39.66	peak	V
8	5248.000	-75.00	27.47	-47.53	-13.00	-34.53	peak	V
9	7792.000	-72.98	30.69	-42.29	-13.00	-29.29	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1855.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.5000	-58.64	-2.82	-61.46	-13.00	-48.46	peak	H
2	165.0000	-64.70	-2.44	-67.14	-13.00	-54.14	peak	H
3	297.0000	-67.05	-2.66	-69.71	-13.00	-56.71	peak	H
4	495.0000	-73.84	6.67	-67.17	-13.00	-54.17	peak	H
5	528.0000	-76.67	7.89	-68.78	-13.00	-55.78	peak	H
6	726.0000	-77.95	7.70	-70.25	-13.00	-57.25	peak	H
7	2944.000	-73.29	17.60	-55.69	-13.00	-42.69	peak	H
8	5152.000	-74.48	24.45	-50.03	-13.00	-37.03	peak	H
9	7780.000	-73.05	33.72	-39.33	-13.00	-26.33	peak	H
1	130.5000	-66.66	14.10	-52.56	-13.00	-39.56	peak	V
2	165.0000	-62.32	7.96	-54.36	-13.00	-41.36	peak	V
3	297.0000	-64.21	2.44	-61.77	-13.00	-48.77	peak	V
4	363.0000	-57.01	2.31	-54.70	-13.00	-41.70	peak	V
5	495.0000	-61.93	2.66	-59.27	-13.00	-46.27	peak	V
6	693.0000	-79.07	9.97	-69.10	-13.00	-56.10	peak	V
7	2908.000	-72.03	19.57	-52.46	-13.00	-39.46	peak	V
8	5116.000	-73.40	27.27	-46.13	-13.00	-33.13	peak	V
9	7552.000	-73.68	31.01	-42.67	-13.00	-29.67	peak	V



Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	74.0000	-57.72	-2.60	-60.32	-13.00	-47.32	peak	H
2	165.0000	-64.70	-2.44	-67.14	-13.00	-54.14	peak	H
3	297.0000	-66.90	-2.66	-69.56	-13.00	-56.56	peak	H
4	495.0000	-74.74	6.67	-68.07	-13.00	-55.07	peak	H
5	660.0000	-81.09	7.16	-73.93	-13.00	-60.93	peak	H
6	726.0000	-80.08	7.70	-72.38	-13.00	-59.38	peak	H
7	2896.000	-72.16	17.47	-54.69	-13.00	-41.69	peak	H
8	5308.000	-73.83	25.17	-48.66	-13.00	-35.66	peak	H
9	7660.000	-72.21	33.74	-38.47	-13.00	-25.47	peak	H
1	130.5000	-66.77	14.10	-52.67	-13.00	-39.67	peak	V
2	165.0000	-62.33	7.96	-54.37	-13.00	-41.37	peak	V
3	297.0000	-64.02	2.44	-61.58	-13.00	-48.58	peak	V
4	363.0000	-56.87	2.31	-54.56	-13.00	-41.56	peak	V
5	495.0000	-62.08	2.66	-59.42	-13.00	-46.42	peak	V
6	693.0000	-77.64	9.97	-67.67	-13.00	-54.67	peak	V
7	2848.000	-71.87	19.13	-52.74	-13.00	-39.74	peak	V
8	5260.000	-74.96	27.49	-47.47	-13.00	-34.47	peak	V
9	7792.000	-72.82	30.69	-42.13	-13.00	-29.13	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1905.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-57.86	-2.10	-59.96	-13.00	-46.96	peak	H
2	165.0000	-64.21	-2.44	-66.65	-13.00	-53.65	peak	H
3	297.0000	-67.20	-2.66	-69.86	-13.00	-56.86	peak	H
4	363.0000	-74.36	0.16	-74.20	-13.00	-61.20	peak	H
5	495.0000	-72.95	6.67	-66.28	-13.00	-53.28	peak	H
6	660.0000	-80.52	7.16	-73.36	-13.00	-60.36	peak	H
7	2908.000	-71.75	17.51	-54.24	-13.00	-41.24	peak	H
8	5344.000	-73.72	25.34	-48.38	-13.00	-35.38	peak	H
9	7696.000	-74.69	33.74	-40.95	-13.00	-27.95	peak	H
1	128.0000	-65.33	12.39	-52.94	-13.00	-39.94	peak	V
2	165.0000	-62.76	7.96	-54.80	-13.00	-41.80	peak	V
3	297.0000	-63.59	2.44	-61.15	-13.00	-48.15	peak	V
4	363.0000	-56.92	2.31	-54.61	-13.00	-41.61	peak	V
5	495.0000	-62.22	2.66	-59.56	-13.00	-46.56	peak	V
6	693.0000	-78.36	9.97	-68.39	-13.00	-55.39	peak	V
7	2980.000	-73.24	20.08	-53.16	-13.00	-40.16	peak	V
8	5248.000	-73.86	27.47	-46.39	-13.00	-33.39	peak	V
9	7792.000	-74.37	30.69	-43.68	-13.00	-30.68	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1857.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	68.0000	-60.32	-0.69	-61.01	-13.00	-48.01	peak	H
2	165.0000	-64.63	-2.44	-67.07	-13.00	-54.07	peak	H
3	297.0000	-67.22	-2.66	-69.88	-13.00	-56.88	peak	H
4	363.0000	-73.57	0.16	-73.41	-13.00	-60.41	peak	H
5	495.0000	-73.43	6.67	-66.76	-13.00	-53.76	peak	H
6	726.0000	-79.76	7.70	-72.06	-13.00	-59.06	peak	H
7	2860.000	-73.17	17.39	-55.78	-13.00	-42.78	peak	H
8	5296.000	-73.94	25.11	-48.83	-13.00	-35.83	peak	H
9	7696.000	-73.15	33.74	-39.41	-13.00	-26.41	peak	H
1	130.5000	-66.38	14.10	-52.28	-13.00	-39.28	peak	V
2	165.0000	-62.79	7.96	-54.83	-13.00	-41.83	peak	V
3	297.0000	-63.95	2.44	-61.51	-13.00	-48.51	peak	V
4	363.0000	-56.99	2.31	-54.68	-13.00	-41.68	peak	V
5	495.0000	-61.67	2.66	-59.01	-13.00	-46.01	peak	V
6	693.0000	-78.16	9.97	-68.19	-13.00	-55.19	peak	V
7	2932.000	-70.94	19.74	-51.20	-13.00	-38.20	peak	V
8	5248.000	-73.73	27.47	-46.26	-13.00	-33.26	peak	V
9	7756.000	-73.70	30.73	-42.97	-13.00	-29.97	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-54.97	-2.24	-57.21	-13.00	-44.21	peak	H
2	165.0000	-64.53	-2.44	-66.97	-13.00	-53.97	peak	H
3	297.0000	-66.85	-2.66	-69.51	-13.00	-56.51	peak	H
4	495.0000	-73.64	6.67	-66.97	-13.00	-53.97	peak	H
5	660.0000	-81.26	7.16	-74.10	-13.00	-61.10	peak	H
6	726.0000	-79.17	7.70	-71.47	-13.00	-58.47	peak	H
7	2944.000	-72.36	17.60	-54.76	-13.00	-41.76	peak	H
8	5344.000	-74.29	25.34	-48.95	-13.00	-35.95	peak	H
9	7840.000	-74.44	33.71	-40.73	-13.00	-27.73	peak	H
1	133.5000	-64.38	12.47	-51.91	-13.00	-38.91	peak	V
2	165.0000	-62.31	7.96	-54.35	-13.00	-41.35	peak	V
3	297.0000	-63.66	2.44	-61.22	-13.00	-48.22	peak	V
4	363.0000	-57.07	2.31	-54.76	-13.00	-41.76	peak	V
5	495.0000	-62.04	2.66	-59.38	-13.00	-46.38	peak	V
6	726.0000	-81.12	10.75	-70.37	-13.00	-57.37	peak	V
7	2992.000	-72.56	20.17	-52.39	-13.00	-39.39	peak	V
8	5236.000	-75.02	27.46	-47.56	-13.00	-34.56	peak	V
9	7792.000	-73.72	30.69	-43.03	-13.00	-30.03	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1902.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-58.20	-2.40	-60.60	-13.00	-47.60	peak	H
2	165.0000	-64.67	-2.44	-67.11	-13.00	-54.11	peak	H
3	211.0000	-67.17	0.52	-66.65	-13.00	-53.65	peak	H
4	297.0000	-66.75	-2.66	-69.41	-13.00	-56.41	peak	H
5	495.0000	-74.07	6.67	-67.40	-13.00	-54.40	peak	H
6	726.0000	-79.93	7.70	-72.23	-13.00	-59.23	peak	H
7	2896.000	-72.33	17.47	-54.86	-13.00	-41.86	peak	H
8	5308.000	-75.38	25.17	-50.21	-13.00	-37.21	peak	H
9	7648.000	-73.93	33.75	-40.18	-13.00	-27.18	peak	H
1	130.5000	-65.40	14.10	-51.30	-13.00	-38.30	peak	V
2	165.0000	-62.58	7.96	-54.62	-13.00	-41.62	peak	V
3	297.0000	-63.97	2.44	-61.53	-13.00	-48.53	peak	V
4	363.0000	-56.79	2.31	-54.48	-13.00	-41.48	peak	V
5	495.0000	-62.38	2.66	-59.72	-13.00	-46.72	peak	V
6	706.5000	-78.53	10.41	-68.12	-13.00	-55.12	peak	V
7	2908.000	-72.46	19.57	-52.89	-13.00	-39.89	peak	V
8	5260.000	-72.75	27.49	-45.26	-13.00	-32.26	peak	V
9	7792.000	-74.32	30.69	-43.63	-13.00	-30.63	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1860.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-57.23	-2.10	-59.33	-13.00	-46.33	peak	H
2	165.0000	-64.14	-2.44	-66.58	-13.00	-53.58	peak	H
3	297.0000	-67.01	-2.66	-69.67	-13.00	-56.67	peak	H
4	495.0000	-73.70	6.67	-67.03	-13.00	-54.03	peak	H
5	627.0000	-81.29	7.39	-73.90	-13.00	-60.90	peak	H
6	726.0000	-78.99	7.70	-71.29	-13.00	-58.29	peak	H
7	2896.000	-71.75	17.47	-54.28	-13.00	-41.28	peak	H
8	5332.000	-73.22	25.28	-47.94	-13.00	-34.94	peak	H
9	7780.000	-73.71	33.72	-39.99	-13.00	-26.99	peak	H
1	133.5000	-64.14	12.47	-51.67	-13.00	-38.67	peak	V
2	165.0000	-62.21	7.96	-54.25	-13.00	-41.25	peak	V
3	297.0000	-63.80	2.44	-61.36	-13.00	-48.36	peak	V
4	363.0000	-57.06	2.31	-54.75	-13.00	-41.75	peak	V
5	495.0000	-61.77	2.66	-59.11	-13.00	-46.11	peak	V
6	693.0000	-76.99	9.97	-67.02	-13.00	-54.02	peak	V
7	2932.000	-70.78	19.74	-51.04	-13.00	-38.04	peak	V
8	5188.000	-72.03	27.39	-44.64	-13.00	-31.64	peak	V
9	7696.000	-72.25	30.82	-41.43	-13.00	-28.43	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.5000	-56.69	-2.52	-59.21	-13.00	-46.21	peak	H
2	165.0000	-64.86	-2.44	-67.30	-13.00	-54.30	peak	H
3	297.0000	-67.91	-2.66	-70.57	-13.00	-57.57	peak	H
4	363.0000	-73.49	0.16	-73.33	-13.00	-60.33	peak	H
5	495.0000	-73.35	6.67	-66.68	-13.00	-53.68	peak	H
6	726.0000	-78.87	7.70	-71.17	-13.00	-58.17	peak	H
7	2716.000	-72.19	17.03	-55.16	-13.00	-42.16	peak	H
8	5392.000	-74.11	25.55	-48.56	-13.00	-35.56	peak	H
9	7780.000	-73.23	33.72	-39.51	-13.00	-26.51	peak	H
1	135.0000	-64.51	11.65	-52.86	-13.00	-39.86	peak	V
2	165.0000	-62.42	7.96	-54.46	-13.00	-41.46	peak	V
3	297.0000	-64.16	2.44	-61.72	-13.00	-48.72	peak	V
4	363.0000	-57.06	2.31	-54.75	-13.00	-41.75	peak	V
5	495.0000	-61.97	2.66	-59.31	-13.00	-46.31	peak	V
6	693.0000	-77.56	9.97	-67.59	-13.00	-54.59	peak	V
7	2932.000	-72.07	19.74	-52.33	-13.00	-39.33	peak	V
8	5440.000	-74.37	27.76	-46.61	-13.00	-33.61	peak	V
9	7828.000	-74.58	30.64	-43.94	-13.00	-30.94	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1900.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-57.39	-2.24	-59.63	-13.00	-46.63	peak	H
2	165.0000	-64.59	-2.44	-67.03	-13.00	-54.03	peak	H
3	211.0000	-68.39	0.52	-67.87	-13.00	-54.87	peak	H
4	297.0000	-66.77	-2.66	-69.43	-13.00	-56.43	peak	H
5	495.0000	-74.34	6.67	-67.67	-13.00	-54.67	peak	H
6	726.0000	-78.95	7.70	-71.25	-13.00	-58.25	peak	H
7	2740.000	-71.83	17.09	-54.74	-13.00	-41.74	peak	H
8	5284.000	-73.44	25.07	-48.37	-13.00	-35.37	peak	H
9	7924.000	-74.24	33.69	-40.55	-13.00	-27.55	peak	H
1	129.0000	-66.50	13.37	-53.13	-13.00	-40.13	peak	V
2	165.0000	-62.44	7.96	-54.48	-13.00	-41.48	peak	V
3	297.0000	-63.90	2.44	-61.46	-13.00	-48.46	peak	V
4	363.0000	-57.19	2.31	-54.88	-13.00	-41.88	peak	V
5	495.0000	-62.22	2.66	-59.56	-13.00	-46.56	peak	V
6	693.0000	-76.88	9.97	-66.91	-13.00	-53.91	peak	V
7	2956.000	-72.79	19.90	-52.89	-13.00	-39.89	peak	V
8	5140.000	-74.14	27.32	-46.82	-13.00	-33.82	peak	V
9	7804.000	-73.71	30.67	-43.04	-13.00	-30.04	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1850.7 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	88.5000	-67.10	-0.50	-67.60	-13.00	-54.60	peak	H
2	165.0000	-64.84	-2.44	-67.28	-13.00	-54.28	peak	H
3	297.0000	-66.59	-2.66	-69.25	-13.00	-56.25	peak	H
4	495.0000	-73.89	6.67	-67.22	-13.00	-54.22	peak	H
5	660.0000	-79.07	7.16	-71.91	-13.00	-58.91	peak	H
6	726.0000	-78.59	7.70	-70.89	-13.00	-57.89	peak	H
7	2752.000	-71.87	17.12	-54.75	-13.00	-41.75	peak	H
8	5020.000	-72.83	23.85	-48.98	-13.00	-35.98	peak	H
9	7780.000	-73.04	33.72	-39.32	-13.00	-26.32	peak	H
1	134.5000	-63.67	11.93	-51.74	-13.00	-38.74	peak	V
2	165.0000	-62.13	7.96	-54.17	-13.00	-41.17	peak	V
3	297.0000	-63.42	2.44	-60.98	-13.00	-47.98	peak	V
4	363.0000	-56.69	2.31	-54.38	-13.00	-41.38	peak	V
5	495.0000	-61.69	2.66	-59.03	-13.00	-46.03	peak	V
6	706.5000	-79.21	10.41	-68.80	-13.00	-55.80	peak	V
7	2800.000	-71.72	18.79	-52.93	-13.00	-39.93	peak	V
8	5020.000	-74.21	27.14	-47.07	-13.00	-34.07	peak	V
9	7396.000	-73.69	30.98	-42.71	-13.00	-29.71	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.0000	-59.85	-2.32	-62.17	-13.00	-49.17	peak	H
2	165.0000	-64.76	-2.44	-67.20	-13.00	-54.20	peak	H
3	212.0000	-67.89	0.41	-67.48	-13.00	-54.48	peak	H
4	297.0000	-66.49	-2.66	-69.15	-13.00	-56.15	peak	H
5	495.0000	-73.84	6.67	-67.17	-13.00	-54.17	peak	H
6	726.0000	-78.11	7.70	-70.41	-13.00	-57.41	peak	H
7	3244.000	-71.80	18.39	-53.41	-13.00	-40.41	peak	H
8	5356.000	-73.41	25.38	-48.03	-13.00	-35.03	peak	H
9	7468.000	-72.98	33.71	-39.27	-13.00	-26.27	peak	H
1	130.5000	-66.33	14.10	-52.23	-13.00	-39.23	peak	V
2	165.0000	-62.93	7.96	-54.97	-13.00	-41.97	peak	V
3	297.0000	-63.34	2.44	-60.90	-13.00	-47.90	peak	V
4	363.0000	-56.69	2.31	-54.38	-13.00	-41.38	peak	V
5	495.0000	-62.10	2.66	-59.44	-13.00	-46.44	peak	V
6	693.0000	-77.76	9.97	-67.79	-13.00	-54.79	peak	V
7	2980.000	-71.48	20.08	-51.40	-13.00	-38.40	peak	V
8	5236.000	-75.02	27.46	-47.56	-13.00	-34.56	peak	V
9	7660.000	-74.33	30.86	-43.47	-13.00	-30.47	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1909.3 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	74.0000	-62.20	-2.60	-64.80	-13.00	-51.80	peak	H
2	165.0000	-64.74	-2.44	-67.18	-13.00	-54.18	peak	H
3	212.0000	-68.95	0.41	-68.54	-13.00	-55.54	peak	H
4	297.0000	-66.72	-2.66	-69.38	-13.00	-56.38	peak	H
5	495.0000	-73.55	6.67	-66.88	-13.00	-53.88	peak	H
6	660.0000	-80.22	7.16	-73.06	-13.00	-60.06	peak	H
7	2788.000	-71.22	17.21	-54.01	-13.00	-41.01	peak	H
8	5284.000	-74.44	25.07	-49.37	-13.00	-36.37	peak	H
9	7756.000	-72.56	33.72	-38.84	-13.00	-25.84	peak	H
1	135.5000	-62.57	11.39	-51.18	-13.00	-38.18	peak	V
2	165.0000	-62.50	7.96	-54.54	-13.00	-41.54	peak	V
3	297.0000	-64.46	2.44	-62.02	-13.00	-49.02	peak	V
4	363.0000	-56.79	2.31	-54.48	-13.00	-41.48	peak	V
5	495.0000	-62.13	2.66	-59.47	-13.00	-46.47	peak	V
6	693.0000	-78.17	9.97	-68.20	-13.00	-55.20	peak	V
7	2836.000	-72.42	19.05	-53.37	-13.00	-40.37	peak	V
8	5140.000	-73.89	27.32	-46.57	-13.00	-33.57	peak	V
9	7564.000	-73.76	31.00	-42.76	-13.00	-29.76	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1851.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	68.5000	-59.48	-1.02	-60.50	-13.00	-47.50	peak	H
2	165.0000	-64.63	-2.44	-67.07	-13.00	-54.07	peak	H
3	297.0000	-66.76	-2.66	-69.42	-13.00	-56.42	peak	H
4	495.0000	-74.14	6.67	-67.47	-13.00	-54.47	peak	H
5	528.0000	-76.06	7.89	-68.17	-13.00	-55.17	peak	H
6	726.0000	-78.73	7.70	-71.03	-13.00	-58.03	peak	H
7	2908.000	-71.65	17.51	-54.14	-13.00	-41.14	peak	H
8	5152.000	-74.32	24.45	-49.87	-13.00	-36.87	peak	H
9	7780.000	-74.03	33.72	-40.31	-13.00	-27.31	peak	H
1	134.5000	-62.02	11.93	-50.09	-13.00	-37.09	peak	V
2	165.0000	-62.23	7.96	-54.27	-13.00	-41.27	peak	V
3	297.0000	-63.98	2.44	-61.54	-13.00	-48.54	peak	V
4	363.0000	-57.00	2.31	-54.69	-13.00	-41.69	peak	V
5	495.0000	-61.67	2.66	-59.01	-13.00	-46.01	peak	V
6	706.5000	-78.82	10.41	-68.41	-13.00	-55.41	peak	V
7	2704.000	-71.02	18.10	-52.92	-13.00	-39.92	peak	V
8	5068.000	-73.45	27.21	-46.24	-13.00	-33.24	peak	V
9	7456.000	-73.89	31.04	-42.85	-13.00	-29.85	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-57.18	-2.40	-59.58	-13.00	-46.58	peak	H
2	165.0000	-64.95	-2.44	-67.39	-13.00	-54.39	peak	H
3	297.0000	-67.00	-2.66	-69.66	-13.00	-56.66	peak	H
4	495.0000	-74.22	6.67	-67.55	-13.00	-54.55	peak	H
5	528.0000	-78.17	7.89	-70.28	-13.00	-57.28	peak	H
6	726.0000	-77.70	7.70	-70.00	-13.00	-57.00	peak	H
7	2884.000	-71.92	17.45	-54.47	-13.00	-41.47	peak	H
8	5296.000	-72.97	25.11	-47.86	-13.00	-34.86	peak	H
9	7564.000	-73.69	33.77	-39.92	-13.00	-26.92	peak	H
1	129.0000	-65.47	13.37	-52.10	-13.00	-39.10	peak	V
2	165.0000	-62.57	7.96	-54.61	-13.00	-41.61	peak	V
3	297.0000	-63.27	2.44	-60.83	-13.00	-47.83	peak	V
4	363.0000	-56.65	2.31	-54.34	-13.00	-41.34	peak	V
5	495.0000	-61.94	2.66	-59.28	-13.00	-46.28	peak	V
6	693.0000	-77.44	9.97	-67.47	-13.00	-54.47	peak	V
7	2836.000	-72.36	19.05	-53.31	-13.00	-40.31	peak	V
8	5200.000	-74.42	27.40	-47.02	-13.00	-34.02	peak	V
9	7804.000	-74.25	30.67	-43.58	-13.00	-30.58	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1908.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-57.46	-2.10	-59.56	-13.00	-46.56	peak	H
2	165.0000	-64.98	-2.44	-67.42	-13.00	-54.42	peak	H
3	297.0000	-66.83	-2.66	-69.49	-13.00	-56.49	peak	H
4	363.0000	-73.80	0.16	-73.64	-13.00	-60.64	peak	H
5	495.0000	-73.78	6.67	-67.11	-13.00	-54.11	peak	H
6	726.0000	-79.24	7.70	-71.54	-13.00	-58.54	peak	H
7	2848.000	-72.41	17.35	-55.06	-13.00	-42.06	peak	H
8	5356.000	-73.95	25.38	-48.57	-13.00	-35.57	peak	H
9	7636.000	-73.27	33.75	-39.52	-13.00	-26.52	peak	H
1	135.0000	-63.16	11.65	-51.51	-13.00	-38.51	peak	V
2	165.0000	-62.45	7.96	-54.49	-13.00	-41.49	peak	V
3	297.0000	-63.95	2.44	-61.51	-13.00	-48.51	peak	V
4	363.0000	-56.82	2.31	-54.51	-13.00	-41.51	peak	V
5	495.0000	-61.99	2.66	-59.33	-13.00	-46.33	peak	V
6	726.0000	-80.58	10.75	-69.83	-13.00	-56.83	peak	V
7	2860.000	-72.56	19.22	-53.34	-13.00	-40.34	peak	V
8	4960.000	-72.77	27.03	-45.74	-13.00	-32.74	peak	V
9	7888.000	-75.01	30.55	-44.46	-13.00	-31.46	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1852.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.0000	-56.05	-2.17	-58.22	-13.00	-45.22	peak	H
2	165.0000	-64.63	-2.44	-67.07	-13.00	-54.07	peak	H
3	211.0000	-67.91	0.52	-67.39	-13.00	-54.39	peak	H
4	297.0000	-67.49	-2.66	-70.15	-13.00	-57.15	peak	H
5	363.0000	-73.75	0.16	-73.59	-13.00	-60.59	peak	H
6	660.0000	-79.72	7.16	-72.56	-13.00	-59.56	peak	H
7	2884.000	-73.06	17.45	-55.61	-13.00	-42.61	peak	H
8	5392.000	-74.61	25.55	-49.06	-13.00	-36.06	peak	H
9	7636.000	-73.79	33.75	-40.04	-13.00	-27.04	peak	H
1	135.5000	-62.24	11.39	-50.85	-13.00	-37.85	peak	V
2	165.0000	-61.44	7.96	-53.48	-13.00	-40.48	peak	V
3	297.0000	-63.85	2.44	-61.41	-13.00	-48.41	peak	V
4	363.0000	-57.00	2.31	-54.69	-13.00	-41.69	peak	V
5	495.0000	-61.90	2.66	-59.24	-13.00	-46.24	peak	V
6	693.0000	-77.49	9.97	-67.52	-13.00	-54.52	peak	V
7	2812.000	-73.08	18.88	-54.20	-13.00	-41.20	peak	V
8	5284.000	-75.10	27.54	-47.56	-13.00	-34.56	peak	V
9	7588.000	-75.28	30.96	-44.32	-13.00	-31.32	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.5000	-57.91	-2.82	-60.73	-13.00	-47.73	peak	H
2	165.0000	-64.34	-2.44	-66.78	-13.00	-53.78	peak	H
3	297.0000	-66.86	-2.66	-69.52	-13.00	-56.52	peak	H
4	396.0000	-80.93	2.19	-78.74	-13.00	-65.74	peak	H
5	495.0000	-73.73	6.67	-67.06	-13.00	-54.06	peak	H
6	726.0000	-79.52	7.70	-71.82	-13.00	-58.82	peak	H
7	2944.000	-70.77	17.60	-53.17	-13.00	-40.17	peak	H
8	5308.000	-73.87	25.17	-48.70	-13.00	-35.70	peak	H
9	7972.000	-73.87	33.69	-40.18	-13.00	-27.18	peak	H
1	130.5000	-65.66	14.10	-51.56	-13.00	-38.56	peak	V
2	165.0000	-62.21	7.96	-54.25	-13.00	-41.25	peak	V
3	297.0000	-64.02	2.44	-61.58	-13.00	-48.58	peak	V
4	363.0000	-57.16	2.31	-54.85	-13.00	-41.85	peak	V
5	495.0000	-62.20	2.66	-59.54	-13.00	-46.54	peak	V
6	693.0000	-78.90	9.97	-68.93	-13.00	-55.93	peak	V
7	2908.000	-73.16	19.57	-53.59	-13.00	-40.59	peak	V
8	5236.000	-74.29	27.46	-46.83	-13.00	-33.83	peak	V
9	7804.000	-74.35	30.67	-43.68	-13.00	-30.68	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1907.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.0000	-58.81	-2.32	-61.13	-13.00	-48.13	peak	H
2	165.0000	-64.86	-2.44	-67.30	-13.00	-54.30	peak	H
3	213.0000	-69.38	0.29	-69.09	-13.00	-56.09	peak	H
4	297.0000	-66.67	-2.66	-69.33	-13.00	-56.33	peak	H
5	495.0000	-73.28	6.67	-66.61	-13.00	-53.61	peak	H
6	726.0000	-78.44	7.70	-70.74	-13.00	-57.74	peak	H
7	2992.000	-70.82	17.72	-53.10	-13.00	-40.10	peak	H
8	5392.000	-74.73	25.55	-49.18	-13.00	-36.18	peak	H
9	7780.000	-73.96	33.72	-40.24	-13.00	-27.24	peak	H
1	131.5000	-66.46	13.57	-52.89	-13.00	-39.89	peak	V
2	165.0000	-62.53	7.96	-54.57	-13.00	-41.57	peak	V
3	297.0000	-63.63	2.44	-61.19	-13.00	-48.19	peak	V
4	363.0000	-56.97	2.31	-54.66	-13.00	-41.66	peak	V
5	495.0000	-62.08	2.66	-59.42	-13.00	-46.42	peak	V
6	726.0000	-80.97	10.75	-70.22	-13.00	-57.22	peak	V
7	2980.000	-71.39	20.08	-51.31	-13.00	-38.31	peak	V
8	5332.000	-74.12	27.60	-46.52	-13.00	-33.52	peak	V
9	7732.000	-73.49	30.77	-42.72	-13.00	-29.72	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1855.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	69.5000	-58.23	-1.69	-59.92	-13.00	-46.92	peak	H
2	165.0000	-64.86	-2.44	-67.30	-13.00	-54.30	peak	H
3	212.0000	-69.07	0.41	-68.66	-13.00	-55.66	peak	H
4	297.0000	-67.01	-2.66	-69.67	-13.00	-56.67	peak	H
5	495.0000	-74.02	6.67	-67.35	-13.00	-54.35	peak	H
6	726.0000	-79.41	7.70	-71.71	-13.00	-58.71	peak	H
7	2836.000	-71.02	17.33	-53.69	-13.00	-40.69	peak	H
8	5428.000	-74.54	25.73	-48.81	-13.00	-35.81	peak	H
9	7744.000	-73.50	33.73	-39.77	-13.00	-26.77	peak	H
1	133.5000	-64.93	12.47	-52.46	-13.00	-39.46	peak	V
2	165.0000	-62.09	7.96	-54.13	-13.00	-41.13	peak	V
3	297.0000	-63.80	2.44	-61.36	-13.00	-48.36	peak	V
4	363.0000	-56.68	2.31	-54.37	-13.00	-41.37	peak	V
5	495.0000	-62.18	2.66	-59.52	-13.00	-46.52	peak	V
6	756.0000	-81.68	10.86	-70.82	-13.00	-57.82	peak	V
7	3004.000	-72.13	20.25	-51.88	-13.00	-38.88	peak	V
8	5296.000	-72.97	27.54	-45.43	-13.00	-32.43	peak	V
9	7756.000	-74.14	30.73	-43.41	-13.00	-30.41	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	69.0000	-60.32	-1.36	-61.68	-13.00	-48.68	peak	H
2	165.0000	-64.93	-2.44	-67.37	-13.00	-54.37	peak	H
3	297.0000	-67.39	-2.66	-70.05	-13.00	-57.05	peak	H
4	495.0000	-72.74	6.67	-66.07	-13.00	-53.07	peak	H
5	528.0000	-77.07	7.89	-69.18	-13.00	-56.18	peak	H
6	726.0000	-79.75	7.70	-72.05	-13.00	-59.05	peak	H
7	2956.000	-73.48	17.62	-55.86	-13.00	-42.86	peak	H
8	5344.000	-73.96	25.34	-48.62	-13.00	-35.62	peak	H
9	7804.000	-73.69	33.71	-39.98	-13.00	-26.98	peak	H
1	134.5000	-63.06	11.93	-51.13	-13.00	-38.13	peak	V
2	165.0000	-62.31	7.96	-54.35	-13.00	-41.35	peak	V
3	297.0000	-63.66	2.44	-61.22	-13.00	-48.22	peak	V
4	363.0000	-57.16	2.31	-54.85	-13.00	-41.85	peak	V
5	495.0000	-62.07	2.66	-59.41	-13.00	-46.41	peak	V
6	706.5000	-79.96	10.41	-69.55	-13.00	-56.55	peak	V
7	2944.000	-72.48	19.82	-52.66	-13.00	-39.66	peak	V
8	5332.000	-73.85	27.60	-46.25	-13.00	-33.25	peak	V
9	7840.000	-73.05	30.63	-42.42	-13.00	-29.42	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1905.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-59.01	-2.10	-61.11	-13.00	-48.11	peak	H
2	165.0000	-64.59	-2.44	-67.03	-13.00	-54.03	peak	H
3	211.0000	-66.35	0.52	-65.83	-13.00	-52.83	peak	H
4	297.0000	-67.36	-2.66	-70.02	-13.00	-57.02	peak	H
5	495.0000	-74.11	6.67	-67.44	-13.00	-54.44	peak	H
6	726.0000	-79.76	7.70	-72.06	-13.00	-59.06	peak	H
7	2716.000	-73.07	17.03	-56.04	-13.00	-43.04	peak	H
8	5356.000	-74.60	25.38	-49.22	-13.00	-36.22	peak	H
9	7948.000	-74.46	33.68	-40.78	-13.00	-27.78	peak	H
1	134.5000	-65.03	11.93	-53.10	-13.00	-40.10	peak	V
2	165.0000	-61.94	7.96	-53.98	-13.00	-40.98	peak	V
3	297.0000	-64.05	2.44	-61.61	-13.00	-48.61	peak	V
4	363.0000	-56.84	2.31	-54.53	-13.00	-41.53	peak	V
5	495.0000	-61.94	2.66	-59.28	-13.00	-46.28	peak	V
6	726.0000	-80.52	10.75	-69.77	-13.00	-56.77	peak	V
7	2944.000	-71.78	19.82	-51.96	-13.00	-38.96	peak	V
8	5284.000	-73.77	27.54	-46.23	-13.00	-33.23	peak	V
9	7828.000	-75.62	30.64	-44.98	-13.00	-31.98	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1857.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-57.70	-2.40	-60.10	-13.00	-47.10	peak	H
2	165.0000	-64.96	-2.44	-67.40	-13.00	-54.40	peak	H
3	297.0000	-67.40	-2.66	-70.06	-13.00	-57.06	peak	H
4	495.0000	-73.83	6.67	-67.16	-13.00	-54.16	peak	H
5	627.0000	-81.60	7.39	-74.21	-13.00	-61.21	peak	H
6	726.0000	-78.39	7.70	-70.69	-13.00	-57.69	peak	H
7	3268.000	-71.30	18.46	-52.84	-13.00	-39.84	peak	H
8	5440.000	-74.44	25.77	-48.67	-13.00	-35.67	peak	H
9	7804.000	-73.64	33.71	-39.93	-13.00	-26.93	peak	H
1	130.5000	-67.05	14.10	-52.95	-13.00	-39.95	peak	V
2	165.0000	-62.20	7.96	-54.24	-13.00	-41.24	peak	V
3	297.0000	-63.75	2.44	-61.31	-13.00	-48.31	peak	V
4	363.0000	-57.11	2.31	-54.80	-13.00	-41.80	peak	V
5	495.0000	-61.78	2.66	-59.12	-13.00	-46.12	peak	V
6	706.5000	-78.87	10.41	-68.46	-13.00	-55.46	peak	V
7	2956.000	-72.11	19.90	-52.21	-13.00	-39.21	peak	V
8	5248.000	-74.20	27.47	-46.73	-13.00	-33.73	peak	V
9	7876.000	-73.75	30.58	-43.17	-13.00	-30.17	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.0000	-55.87	-2.32	-58.19	-13.00	-45.19	peak	H
2	165.0000	-64.80	-2.44	-67.24	-13.00	-54.24	peak	H
3	297.0000	-67.21	-2.66	-69.87	-13.00	-56.87	peak	H
4	363.0000	-74.71	0.16	-74.55	-13.00	-61.55	peak	H
5	495.0000	-73.33	6.67	-66.66	-13.00	-53.66	peak	H
6	726.0000	-79.24	7.70	-71.54	-13.00	-58.54	peak	H
7	2812.000	-72.17	17.28	-54.89	-13.00	-41.89	peak	H
8	5404.000	-73.03	25.62	-47.41	-13.00	-34.41	peak	H
9	7888.000	-73.37	33.68	-39.69	-13.00	-26.69	peak	H
1	133.5000	-66.90	12.47	-54.43	-13.00	-41.43	peak	V
2	165.0000	-62.36	7.96	-54.40	-13.00	-41.40	peak	V
3	297.0000	-63.77	2.44	-61.33	-13.00	-48.33	peak	V
4	363.0000	-56.67	2.31	-54.36	-13.00	-41.36	peak	V
5	495.0000	-61.85	2.66	-59.19	-13.00	-46.19	peak	V
6	693.0000	-76.91	9.97	-66.94	-13.00	-53.94	peak	V
7	2860.000	-72.37	19.22	-53.15	-13.00	-40.15	peak	V
8	5248.000	-73.52	27.47	-46.05	-13.00	-33.05	peak	V
9	7744.000	-73.06	30.76	-42.30	-13.00	-29.30	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1902.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-58.81	-2.40	-61.21	-13.00	-48.21	peak	H
2	165.0000	-64.80	-2.44	-67.24	-13.00	-54.24	peak	H
3	297.0000	-67.04	-2.66	-69.70	-13.00	-56.70	peak	H
4	363.0000	-74.79	0.16	-74.63	-13.00	-61.63	peak	H
5	495.0000	-73.82	6.67	-67.15	-13.00	-54.15	peak	H
6	660.0000	-79.92	7.16	-72.76	-13.00	-59.76	peak	H
7	2860.000	-73.01	17.39	-55.62	-13.00	-42.62	peak	H
8	5308.000	-75.25	25.17	-50.08	-13.00	-37.08	peak	H
9	7876.000	-74.72	33.70	-41.02	-13.00	-28.02	peak	H
1	134.5000	-63.31	11.93	-51.38	-13.00	-38.38	peak	V
2	165.0000	-62.88	7.96	-54.92	-13.00	-41.92	peak	V
3	297.0000	-63.27	2.44	-60.83	-13.00	-47.83	peak	V
4	363.0000	-56.91	2.31	-54.60	-13.00	-41.60	peak	V
5	495.0000	-61.83	2.66	-59.17	-13.00	-46.17	peak	V
6	756.0000	-82.75	10.86	-71.89	-13.00	-58.89	peak	V
7	2764.000	-71.52	18.53	-52.99	-13.00	-39.99	peak	V
8	5296.000	-75.06	27.54	-47.52	-13.00	-34.52	peak	V
9	7804.000	-75.01	30.67	-44.34	-13.00	-31.34	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1860.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-56.88	-2.24	-59.12	-13.00	-46.12	peak	H
2	165.0000	-64.96	-2.44	-67.40	-13.00	-54.40	peak	H
3	211.0000	-67.48	0.52	-66.96	-13.00	-53.96	peak	H
4	297.0000	-67.15	-2.66	-69.81	-13.00	-56.81	peak	H
5	495.0000	-73.74	6.67	-67.07	-13.00	-54.07	peak	H
6	726.0000	-78.57	7.70	-70.87	-13.00	-57.87	peak	H
7	2896.000	-72.42	17.47	-54.95	-13.00	-41.95	peak	H
8	5284.000	-72.98	25.07	-47.91	-13.00	-34.91	peak	H
9	7828.000	-74.64	33.70	-40.94	-13.00	-27.94	peak	H
1	135.5000	-62.91	11.39	-51.52	-13.00	-38.52	peak	V
2	165.0000	-63.04	7.96	-55.08	-13.00	-42.08	peak	V
3	297.0000	-63.75	2.44	-61.31	-13.00	-48.31	peak	V
4	363.0000	-56.67	2.31	-54.36	-13.00	-41.36	peak	V
5	495.0000	-61.71	2.66	-59.05	-13.00	-46.05	peak	V
6	693.0000	-76.59	9.97	-66.62	-13.00	-53.62	peak	V
7	2884.000	-72.58	19.39	-53.19	-13.00	-40.19	peak	V
8	5164.000	-73.74	27.36	-46.38	-13.00	-33.38	peak	V
9	7828.000	-73.10	30.64	-42.46	-13.00	-29.46	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1880.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	68.0000	-60.35	-0.69	-61.04	-13.00	-48.04	peak	H
2	165.0000	-64.79	-2.44	-67.23	-13.00	-54.23	peak	H
3	297.0000	-67.44	-2.66	-70.10	-13.00	-57.10	peak	H
4	495.0000	-73.80	6.67	-67.13	-13.00	-54.13	peak	H
5	561.0000	-81.66	7.79	-73.87	-13.00	-60.87	peak	H
6	726.0000	-78.50	7.70	-70.80	-13.00	-57.80	peak	H
7	3124.000	-70.39	18.08	-52.31	-13.00	-39.31	peak	H
8	5356.000	-74.34	25.38	-48.96	-13.00	-35.96	peak	H
9	7732.000	-73.64	33.73	-39.91	-13.00	-26.91	peak	H
1	135.5000	-63.97	11.39	-52.58	-13.00	-39.58	peak	V
2	165.0000	-62.53	7.96	-54.57	-13.00	-41.57	peak	V
3	297.0000	-63.42	2.44	-60.98	-13.00	-47.98	peak	V
4	363.0000	-56.78	2.31	-54.47	-13.00	-41.47	peak	V
5	495.0000	-61.39	2.66	-58.73	-13.00	-45.73	peak	V
6	693.0000	-77.40	9.97	-67.43	-13.00	-54.43	peak	V
7	2764.000	-71.76	18.53	-53.23	-13.00	-40.23	peak	V
8	5308.000	-74.76	27.56	-47.20	-13.00	-34.20	peak	V
9	7792.000	-74.00	30.69	-43.31	-13.00	-30.31	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 2	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1900.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-58.33	-2.24	-60.57	-13.00	-47.57	peak	H
2	165.0000	-64.78	-2.44	-67.22	-13.00	-54.22	peak	H
3	297.0000	-67.30	-2.66	-69.96	-13.00	-56.96	peak	H
4	363.0000	-73.69	0.16	-73.53	-13.00	-60.53	peak	H
5	495.0000	-73.37	6.67	-66.70	-13.00	-53.70	peak	H
6	726.0000	-79.27	7.70	-71.57	-13.00	-58.57	peak	H
7	2692.000	-71.96	16.96	-55.00	-13.00	-42.00	peak	H
8	5296.000	-74.41	25.11	-49.30	-13.00	-36.30	peak	H
9	7696.000	-73.47	33.74	-39.73	-13.00	-26.73	peak	H
1	134.5000	-63.75	11.93	-51.82	-13.00	-38.82	peak	V
2	165.0000	-62.52	7.96	-54.56	-13.00	-41.56	peak	V
3	297.0000	-63.37	2.44	-60.93	-13.00	-47.93	peak	V
4	363.0000	-56.90	2.31	-54.59	-13.00	-41.59	peak	V
5	495.0000	-61.36	2.66	-58.70	-13.00	-45.70	peak	V
6	693.0000	-77.15	9.97	-67.18	-13.00	-54.18	peak	V
7	2896.000	-73.42	19.48	-53.94	-13.00	-40.94	peak	V
8	5308.000	-74.46	27.56	-46.90	-13.00	-33.90	peak	V
9	7756.000	-73.88	30.73	-43.15	-13.00	-30.15	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1710.7 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-58.01	-2.46	-60.47	-13.00	-47.47	peak	H
2	165.0000	-64.37	-2.44	-66.81	-13.00	-53.81	peak	H
3	297.0000	-66.88	-2.66	-69.54	-13.00	-56.54	peak	H
4	363.0000	-74.47	0.16	-74.31	-13.00	-61.31	peak	H
5	495.0000	-73.70	6.67	-67.03	-13.00	-54.03	peak	H
6	726.0000	-78.45	7.70	-70.75	-13.00	-57.75	peak	H
7	2932.000	-72.43	17.57	-54.86	-13.00	-41.86	peak	H
8	5428.000	-73.79	25.73	-48.06	-13.00	-35.06	peak	H
9	7708.000	-73.40	33.73	-39.67	-13.00	-26.67	peak	H
1	134.5000	-64.55	11.93	-52.62	-13.00	-39.62	peak	V
2	165.0000	-63.24	7.96	-55.28	-13.00	-42.28	peak	V
3	297.0000	-63.84	2.44	-61.40	-13.00	-48.40	peak	V
4	363.0000	-56.97	2.31	-54.66	-13.00	-41.66	peak	V
5	495.0000	-61.83	2.66	-59.17	-13.00	-46.17	peak	V
6	660.0000	-76.44	9.39	-67.05	-13.00	-54.05	peak	V
7	2896.000	-72.46	19.48	-52.98	-13.00	-39.98	peak	V
8	5440.000	-74.77	27.76	-47.01	-13.00	-34.01	peak	V
9	7792.000	-73.28	30.69	-42.59	-13.00	-29.59	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1732.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-58.28	-2.40	-60.68	-13.00	-47.68	peak	H
2	165.0000	-65.00	-2.44	-67.44	-13.00	-54.44	peak	H
3	297.0000	-67.24	-2.66	-69.90	-13.00	-56.90	peak	H
4	495.0000	-75.11	6.67	-68.44	-13.00	-55.44	peak	H
5	660.0000	-80.13	7.16	-72.97	-13.00	-59.97	peak	H
6	726.0000	-78.80	7.70	-71.10	-13.00	-58.10	peak	H
7	2848.000	-71.15	17.35	-53.80	-13.00	-40.80	peak	H
8	5260.000	-74.62	24.95	-49.67	-13.00	-36.67	peak	H
9	7972.000	-74.66	33.69	-40.97	-13.00	-27.97	peak	H
1	135.5000	-63.16	11.39	-51.77	-13.00	-38.77	peak	V
2	165.0000	-61.96	7.96	-54.00	-13.00	-41.00	peak	V
3	297.0000	-63.87	2.44	-61.43	-13.00	-48.43	peak	V
4	363.0000	-56.96	2.31	-54.65	-13.00	-41.65	peak	V
5	495.0000	-61.75	2.66	-59.09	-13.00	-46.09	peak	V
6	693.0000	-78.19	9.97	-68.22	-13.00	-55.22	peak	V
7	2908.000	-73.21	19.57	-53.64	-13.00	-40.64	peak	V
8	5188.000	-74.56	27.39	-47.17	-13.00	-34.17	peak	V
9	7780.000	-73.82	30.71	-43.11	-13.00	-30.11	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1754.3 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.0000	-58.46	-2.75	-61.21	-13.00	-48.21	peak	H
2	165.0000	-64.62	-2.44	-67.06	-13.00	-54.06	peak	H
3	297.0000	-66.50	-2.66	-69.16	-13.00	-56.16	peak	H
4	363.0000	-74.30	0.16	-74.14	-13.00	-61.14	peak	H
5	495.0000	-73.00	6.67	-66.33	-13.00	-53.33	peak	H
6	726.0000	-78.21	7.70	-70.51	-13.00	-57.51	peak	H
7	2884.000	-72.47	17.45	-55.02	-13.00	-42.02	peak	H
8	5344.000	-72.29	25.34	-46.95	-13.00	-33.95	peak	H
9	7588.000	-74.95	33.75	-41.20	-13.00	-28.20	peak	H
1	134.5000	-63.89	11.93	-51.96	-13.00	-38.96	peak	V
2	165.0000	-62.39	7.96	-54.43	-13.00	-41.43	peak	V
3	297.0000	-63.55	2.44	-61.11	-13.00	-48.11	peak	V
4	363.0000	-56.71	2.31	-54.40	-13.00	-41.40	peak	V
5	495.0000	-61.63	2.66	-58.97	-13.00	-45.97	peak	V
6	693.0000	-77.32	9.97	-67.35	-13.00	-54.35	peak	V
7	2800.000	-71.03	18.79	-52.24	-13.00	-39.24	peak	V
8	5392.000	-74.01	27.69	-46.32	-13.00	-33.32	peak	V
9	7780.000	-74.88	30.71	-44.17	-13.00	-31.17	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1711.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-55.59	-2.24	-57.83	-13.00	-44.83	peak	H
2	165.0000	-64.67	-2.44	-67.11	-13.00	-54.11	peak	H
3	297.0000	-66.66	-2.66	-69.32	-13.00	-56.32	peak	H
4	495.0000	-73.37	6.67	-66.70	-13.00	-53.70	peak	H
5	726.0000	-78.67	7.70	-70.97	-13.00	-57.97	peak	H
6	949.0000	-84.40	14.84	-69.56	-13.00	-56.56	peak	H
7	2884.000	-72.24	17.45	-54.79	-13.00	-41.79	peak	H
8	5308.000	-74.35	25.17	-49.18	-13.00	-36.18	peak	H
9	7804.000	-74.60	33.71	-40.89	-13.00	-27.89	peak	H
1	135.5000	-62.86	11.39	-51.47	-13.00	-38.47	peak	V
2	165.0000	-61.98	7.96	-54.02	-13.00	-41.02	peak	V
3	297.0000	-64.11	2.44	-61.67	-13.00	-48.67	peak	V
4	363.0000	-56.88	2.31	-54.57	-13.00	-41.57	peak	V
5	495.0000	-61.91	2.66	-59.25	-13.00	-46.25	peak	V
6	891.0000	-81.01	10.72	-70.29	-13.00	-57.29	peak	V
7	2932.000	-72.80	19.74	-53.06	-13.00	-40.06	peak	V
8	5428.000	-73.39	27.75	-45.64	-13.00	-32.64	peak	V
9	7732.000	-74.31	30.77	-43.54	-13.00	-30.54	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	74.5000	-58.71	-2.67	-61.38	-13.00	-48.38	peak	H
2	165.0000	-64.75	-2.44	-67.19	-13.00	-54.19	peak	H
3	297.0000	-66.67	-2.66	-69.33	-13.00	-56.33	peak	H
4	363.0000	-74.13	0.16	-73.97	-13.00	-60.97	peak	H
5	495.0000	-74.18	6.67	-67.51	-13.00	-54.51	peak	H
6	726.0000	-78.40	7.70	-70.70	-13.00	-57.70	peak	H
7	2896.000	-72.82	17.47	-55.35	-13.00	-42.35	peak	H
8	5392.000	-73.67	25.55	-48.12	-13.00	-35.12	peak	H
9	7852.000	-74.22	33.70	-40.52	-13.00	-27.52	peak	H
1	130.5000	-66.28	14.10	-52.18	-13.00	-39.18	peak	V
2	165.0000	-62.13	7.96	-54.17	-13.00	-41.17	peak	V
3	297.0000	-63.61	2.44	-61.17	-13.00	-48.17	peak	V
4	363.0000	-56.84	2.31	-54.53	-13.00	-41.53	peak	V
5	495.0000	-61.60	2.66	-58.94	-13.00	-45.94	peak	V
6	891.0000	-80.17	10.72	-69.45	-13.00	-56.45	peak	V
7	2860.000	-72.45	19.22	-53.23	-13.00	-40.23	peak	V
8	5380.000	-73.85	27.67	-46.18	-13.00	-33.18	peak	V
9	7972.000	-74.28	30.46	-43.82	-13.00	-30.82	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1753.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-56.99	-2.24	-59.23	-13.00	-46.23	peak	H
2	165.0000	-64.48	-2.44	-66.92	-13.00	-53.92	peak	H
3	212.0000	-68.24	0.41	-67.83	-13.00	-54.83	peak	H
4	297.0000	-67.38	-2.66	-70.04	-13.00	-57.04	peak	H
5	495.0000	-73.46	6.67	-66.79	-13.00	-53.79	peak	H
6	946.0000	-84.11	14.85	-69.26	-13.00	-56.26	peak	H
7	3124.000	-70.91	18.08	-52.83	-13.00	-39.83	peak	H
8	5392.000	-74.21	25.55	-48.66	-13.00	-35.66	peak	H
9	7780.000	-74.39	33.72	-40.67	-13.00	-27.67	peak	H
1	135.5000	-61.66	11.39	-50.27	-13.00	-37.27	peak	V
2	165.0000	-62.37	7.96	-54.41	-13.00	-41.41	peak	V
3	297.0000	-64.12	2.44	-61.68	-13.00	-48.68	peak	V
4	363.0000	-56.87	2.31	-54.56	-13.00	-41.56	peak	V
5	495.0000	-62.15	2.66	-59.49	-13.00	-46.49	peak	V
6	726.0000	-78.87	10.75	-68.12	-13.00	-55.12	peak	V
7	2980.000	-73.28	20.08	-53.20	-13.00	-40.20	peak	V
8	5380.000	-74.44	27.67	-46.77	-13.00	-33.77	peak	V
9	7732.000	-72.84	30.77	-42.07	-13.00	-29.07	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1712.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	74.5000	-57.07	-2.67	-59.74	-13.00	-46.74	peak	H
2	165.0000	-64.56	-2.44	-67.00	-13.00	-54.00	peak	H
3	297.0000	-66.64	-2.66	-69.30	-13.00	-56.30	peak	H
4	495.0000	-73.09	6.67	-66.42	-13.00	-53.42	peak	H
5	660.0000	-80.32	7.16	-73.16	-13.00	-60.16	peak	H
6	924.0000	-84.00	14.76	-69.24	-13.00	-56.24	peak	H
7	3040.000	-71.36	17.85	-53.51	-13.00	-40.51	peak	H
8	5236.000	-74.14	24.84	-49.30	-13.00	-36.30	peak	H
9	7744.000	-73.45	33.73	-39.72	-13.00	-26.72	peak	H
1	130.0000	-65.96	14.37	-51.59	-13.00	-38.59	peak	V
2	165.0000	-62.43	7.96	-54.47	-13.00	-41.47	peak	V
3	363.0000	-57.11	2.31	-54.80	-13.00	-41.80	peak	V
4	495.0000	-61.89	2.66	-59.23	-13.00	-46.23	peak	V
5	660.0000	-77.00	9.39	-67.61	-13.00	-54.61	peak	V
6	924.0000	-81.05	12.04	-69.01	-13.00	-56.01	peak	V
7	2992.000	-71.93	20.17	-51.76	-13.00	-38.76	peak	V
8	5296.000	-72.82	27.54	-45.28	-13.00	-32.28	peak	V
9	7804.000	-73.09	30.67	-42.42	-13.00	-29.42	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.0000	-55.70	-2.75	-58.45	-13.00	-45.45	peak	H
2	165.0000	-64.96	-2.44	-67.40	-13.00	-54.40	peak	H
3	297.0000	-66.90	-2.66	-69.56	-13.00	-56.56	peak	H
4	495.0000	-72.70	6.67	-66.03	-13.00	-53.03	peak	H
5	660.0000	-80.53	7.16	-73.37	-13.00	-60.37	peak	H
6	945.5000	-84.59	14.86	-69.73	-13.00	-56.73	peak	H
7	3196.000	-70.07	18.27	-51.80	-13.00	-38.80	peak	H
8	5344.000	-73.40	25.34	-48.06	-13.00	-35.06	peak	H
9	7840.000	-75.14	33.71	-41.43	-13.00	-28.43	peak	H
1	135.5000	-63.60	11.39	-52.21	-13.00	-39.21	peak	V
2	165.0000	-63.14	7.96	-55.18	-13.00	-42.18	peak	V
3	297.0000	-63.86	2.44	-61.42	-13.00	-48.42	peak	V
4	363.0000	-57.30	2.31	-54.99	-13.00	-41.99	peak	V
5	495.0000	-62.04	2.66	-59.38	-13.00	-46.38	peak	V
6	783.5000	-80.83	11.38	-69.45	-13.00	-56.45	peak	V
7	2908.000	-72.39	19.57	-52.82	-13.00	-39.82	peak	V
8	5344.000	-73.88	27.62	-46.26	-13.00	-33.26	peak	V
9	7876.000	-74.00	30.58	-43.42	-13.00	-30.42	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1752.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	68.5000	-59.38	-1.02	-60.40	-13.00	-47.40	peak	H
2	165.0000	-64.54	-2.44	-66.98	-13.00	-53.98	peak	H
3	297.0000	-67.03	-2.66	-69.69	-13.00	-56.69	peak	H
4	495.0000	-73.58	6.67	-66.91	-13.00	-53.91	peak	H
5	726.0000	-79.56	7.70	-71.86	-13.00	-58.86	peak	H
6	967.5000	-83.34	14.65	-68.69	-13.00	-55.69	peak	H
7	2812.000	-72.33	17.28	-55.05	-13.00	-42.05	peak	H
8	5344.000	-73.70	25.34	-48.36	-13.00	-35.36	peak	H
9	7696.000	-73.28	33.74	-39.54	-13.00	-26.54	peak	H
1	129.0000	-66.06	13.37	-52.69	-13.00	-39.69	peak	V
2	165.0000	-62.41	7.96	-54.45	-13.00	-41.45	peak	V
3	297.0000	-63.71	2.44	-61.27	-13.00	-48.27	peak	V
4	363.0000	-57.09	2.31	-54.78	-13.00	-41.78	peak	V
5	495.0000	-61.92	2.66	-59.26	-13.00	-46.26	peak	V
6	891.0000	-79.57	10.72	-68.85	-13.00	-55.85	peak	V
7	2932.000	-73.25	19.74	-53.51	-13.00	-40.51	peak	V
8	5308.000	-74.37	27.56	-46.81	-13.00	-33.81	peak	V
9	7876.000	-74.13	30.58	-43.55	-13.00	-30.55	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1715.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	68.5000	-58.73	-1.02	-59.75	-13.00	-46.75	peak	H
2	165.0000	-64.55	-2.44	-66.99	-13.00	-53.99	peak	H
3	297.0000	-66.50	-2.66	-69.16	-13.00	-56.16	peak	H
4	495.0000	-73.25	6.67	-66.58	-13.00	-53.58	peak	H
5	660.0000	-80.16	7.16	-73.00	-13.00	-60.00	peak	H
6	929.0000	-82.51	14.79	-67.72	-13.00	-54.72	peak	H
7	2848.000	-71.61	17.35	-54.26	-13.00	-41.26	peak	H
8	5356.000	-73.11	25.38	-47.73	-13.00	-34.73	peak	H
9	7804.000	-75.06	33.71	-41.35	-13.00	-28.35	peak	H
1	134.5000	-64.96	11.93	-53.03	-13.00	-40.03	peak	V
2	165.0000	-62.72	7.96	-54.76	-13.00	-41.76	peak	V
3	297.0000	-63.62	2.44	-61.18	-13.00	-48.18	peak	V
4	363.0000	-56.75	2.31	-54.44	-13.00	-41.44	peak	V
5	495.0000	-61.78	2.66	-59.12	-13.00	-46.12	peak	V
6	706.5000	-79.46	10.41	-69.05	-13.00	-56.05	peak	V
7	2908.000	-73.08	19.57	-53.51	-13.00	-40.51	peak	V
8	5356.000	-73.93	27.63	-46.30	-13.00	-33.30	peak	V
9	7840.000	-73.51	30.63	-42.88	-13.00	-29.88	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-57.32	-2.10	-59.42	-13.00	-46.42	peak	H
2	165.0000	-64.60	-2.44	-67.04	-13.00	-54.04	peak	H
3	297.0000	-67.44	-2.66	-70.10	-13.00	-57.10	peak	H
4	495.0000	-74.06	6.67	-67.39	-13.00	-54.39	peak	H
5	660.0000	-79.03	7.16	-71.87	-13.00	-58.87	peak	H
6	967.5000	-83.96	14.65	-69.31	-13.00	-56.31	peak	H
7	2836.000	-71.33	17.33	-54.00	-13.00	-41.00	peak	H
8	5404.000	-74.22	25.62	-48.60	-13.00	-35.60	peak	H
9	7876.000	-74.23	33.70	-40.53	-13.00	-27.53	peak	H
1	130.5000	-67.17	14.10	-53.07	-13.00	-40.07	peak	V
2	165.0000	-62.69	7.96	-54.73	-13.00	-41.73	peak	V
3	297.0000	-63.53	2.44	-61.09	-13.00	-48.09	peak	V
4	363.0000	-56.85	2.31	-54.54	-13.00	-41.54	peak	V
5	495.0000	-61.87	2.66	-59.21	-13.00	-46.21	peak	V
6	924.0000	-81.25	12.04	-69.21	-13.00	-56.21	peak	V
7	3028.000	-71.49	20.39	-51.10	-13.00	-38.10	peak	V
8	5404.000	-73.88	27.72	-46.16	-13.00	-33.16	peak	V
9	7936.000	-74.18	30.49	-43.69	-13.00	-30.69	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1750.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.0000	-58.93	-2.32	-61.25	-13.00	-48.25	peak	H
2	165.0000	-64.71	-2.44	-67.15	-13.00	-54.15	peak	H
3	297.0000	-67.06	-2.66	-69.72	-13.00	-56.72	peak	H
4	495.0000	-73.56	6.67	-66.89	-13.00	-53.89	peak	H
5	660.0000	-80.16	7.16	-73.00	-13.00	-60.00	peak	H
6	932.5000	-84.39	14.81	-69.58	-13.00	-56.58	peak	H
7	2992.000	-72.12	17.72	-54.40	-13.00	-41.40	peak	H
8	5404.000	-73.76	25.62	-48.14	-13.00	-35.14	peak	H
9	7984.000	-73.58	33.66	-39.92	-13.00	-26.92	peak	H
1	136.0000	-63.33	11.11	-52.22	-13.00	-39.22	peak	V
2	165.0000	-62.66	7.96	-54.70	-13.00	-41.70	peak	V
3	297.0000	-63.65	2.44	-61.21	-13.00	-48.21	peak	V
4	363.0000	-56.96	2.31	-54.65	-13.00	-41.65	peak	V
5	495.0000	-61.44	2.66	-58.78	-13.00	-45.78	peak	V
6	924.0000	-81.86	12.04	-69.82	-13.00	-56.82	peak	V
7	2836.000	-73.19	19.05	-54.14	-13.00	-41.14	peak	V
8	5428.000	-73.91	27.75	-46.16	-13.00	-33.16	peak	V
9	7828.000	-74.01	30.64	-43.37	-13.00	-30.37	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1717.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-59.00	-2.24	-61.24	-13.00	-48.24	peak	H
2	165.0000	-64.82	-2.44	-67.26	-13.00	-54.26	peak	H
3	297.0000	-66.92	-2.66	-69.58	-13.00	-56.58	peak	H
4	495.0000	-73.84	6.67	-67.17	-13.00	-54.17	peak	H
5	660.0000	-80.20	7.16	-73.04	-13.00	-60.04	peak	H
6	967.5000	-83.97	14.65	-69.32	-13.00	-56.32	peak	H
7	3052.000	-70.51	17.88	-52.63	-13.00	-39.63	peak	H
8	5428.000	-74.02	25.73	-48.29	-13.00	-35.29	peak	H
9	7792.000	-73.99	33.72	-40.27	-13.00	-27.27	peak	H
1	135.0000	-62.74	11.65	-51.09	-13.00	-38.09	peak	V
2	165.0000	-62.11	7.96	-54.15	-13.00	-41.15	peak	V
3	363.0000	-56.83	2.31	-54.52	-13.00	-41.52	peak	V
4	528.0000	-71.34	3.57	-67.77	-13.00	-54.77	peak	V
5	660.0000	-75.22	9.39	-65.83	-13.00	-52.83	peak	V
6	957.0000	-81.88	12.44	-69.44	-13.00	-56.44	peak	V
7	3028.000	-71.21	20.39	-50.82	-13.00	-37.82	peak	V
8	5392.000	-72.71	27.69	-45.02	-13.00	-32.02	peak	V
9	7852.000	-74.07	30.60	-43.47	-13.00	-30.47	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	68.0000	-60.96	-0.69	-61.65	-13.00	-48.65	peak	H
2	165.0000	-64.90	-2.44	-67.34	-13.00	-54.34	peak	H
3	297.0000	-67.21	-2.66	-69.87	-13.00	-56.87	peak	H
4	495.0000	-72.59	6.67	-65.92	-13.00	-52.92	peak	H
5	660.0000	-79.62	7.16	-72.46	-13.00	-59.46	peak	H
6	987.0000	-83.62	14.39	-69.23	-13.00	-56.23	peak	H
7	3088.000	-70.85	17.99	-52.86	-13.00	-39.86	peak	H
8	5404.000	-73.56	25.62	-47.94	-13.00	-34.94	peak	H
9	7792.000	-74.51	33.72	-40.79	-13.00	-27.79	peak	H
1	130.5000	-66.07	14.10	-51.97	-13.00	-38.97	peak	V
2	165.0000	-62.54	7.96	-54.58	-13.00	-41.58	peak	V
3	363.0000	-56.83	2.31	-54.52	-13.00	-41.52	peak	V
4	495.0000	-61.74	2.66	-59.08	-13.00	-46.08	peak	V
5	693.0000	-77.03	9.97	-67.06	-13.00	-54.06	peak	V
6	957.0000	-82.89	12.44	-70.45	-13.00	-57.45	peak	V
7	2848.000	-73.19	19.13	-54.06	-13.00	-41.06	peak	V
8	5068.000	-74.87	27.21	-47.66	-13.00	-34.66	peak	V
9	7876.000	-74.97	30.58	-44.39	-13.00	-31.39	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1747.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	68.5000	-60.25	-1.02	-61.27	-13.00	-48.27	peak	H
2	165.0000	-65.15	-2.44	-67.59	-13.00	-54.59	peak	H
3	297.0000	-67.38	-2.66	-70.04	-13.00	-57.04	peak	H
4	495.0000	-75.12	6.67	-68.45	-13.00	-55.45	peak	H
5	660.0000	-80.74	7.16	-73.58	-13.00	-60.58	peak	H
6	967.5000	-82.88	14.65	-68.23	-13.00	-55.23	peak	H
7	3364.000	-73.02	18.72	-54.30	-13.00	-41.30	peak	H
8	5392.000	-75.46	25.55	-49.91	-13.00	-36.91	peak	H
9	7792.000	-75.50	33.72	-41.78	-13.00	-28.78	peak	H
1	133.5000	-64.13	12.47	-51.66	-13.00	-38.66	peak	V
2	165.0000	-62.12	7.96	-54.16	-13.00	-41.16	peak	V
3	363.0000	-57.00	2.31	-54.69	-13.00	-41.69	peak	V
4	495.0000	-61.42	2.66	-58.76	-13.00	-45.76	peak	V
5	693.0000	-77.61	9.97	-67.64	-13.00	-54.64	peak	V
6	945.5000	-83.81	12.64	-71.17	-13.00	-58.17	peak	V
7	3124.000	-70.51	20.95	-49.56	-13.00	-36.56	peak	V
8	5380.000	-72.33	27.67	-44.66	-13.00	-31.66	peak	V
9	7780.000	-74.06	30.71	-43.35	-13.00	-30.35	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1720.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.0000	-57.13	-2.32	-59.45	-13.00	-46.45	peak	H
2	211.5000	-66.75	0.47	-66.28	-13.00	-53.28	peak	H
3	297.0000	-66.75	-2.66	-69.41	-13.00	-56.41	peak	H
4	495.0000	-73.77	6.67	-67.10	-13.00	-54.10	peak	H
5	726.0000	-79.61	7.70	-71.91	-13.00	-58.91	peak	H
6	935.5000	-83.82	14.83	-68.99	-13.00	-55.99	peak	H
7	3052.000	-71.40	17.88	-53.52	-13.00	-40.52	peak	H
8	5440.000	-74.66	25.77	-48.89	-13.00	-35.89	peak	H
9	7888.000	-74.64	33.68	-40.96	-13.00	-27.96	peak	H
1	130.0000	-66.79	14.37	-52.42	-13.00	-39.42	peak	V
2	165.0000	-62.50	7.96	-54.54	-13.00	-41.54	peak	V
3	297.0000	-63.46	2.44	-61.02	-13.00	-48.02	peak	V
4	363.0000	-56.83	2.31	-54.52	-13.00	-41.52	peak	V
5	495.0000	-61.79	2.66	-59.13	-13.00	-46.13	peak	V
6	726.0000	-80.04	10.75	-69.29	-13.00	-56.29	peak	V
7	2908.000	-72.34	19.57	-52.77	-13.00	-39.77	peak	V
8	5332.000	-74.46	27.60	-46.86	-13.00	-33.86	peak	V
9	7804.000	-75.58	30.67	-44.91	-13.00	-31.91	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-58.88	-2.46	-61.34	-13.00	-48.34	peak	H
2	211.0000	-70.30	0.52	-69.78	-13.00	-56.78	peak	H
3	297.0000	-67.47	-2.66	-70.13	-13.00	-57.13	peak	H
4	495.0000	-74.27	6.67	-67.60	-13.00	-54.60	peak	H
5	726.0000	-78.58	7.70	-70.88	-13.00	-57.88	peak	H
6	910.0000	-84.04	14.40	-69.64	-13.00	-56.64	peak	H
7	3040.000	-72.09	17.85	-54.24	-13.00	-41.24	peak	H
8	5488.000	-74.20	25.99	-48.21	-13.00	-35.21	peak	H
9	7792.000	-73.40	33.72	-39.68	-13.00	-26.68	peak	H
1	129.5000	-66.65	13.88	-52.77	-13.00	-39.77	peak	V
2	165.0000	-62.51	7.96	-54.55	-13.00	-41.55	peak	V
3	363.0000	-56.86	2.31	-54.55	-13.00	-41.55	peak	V
4	495.0000	-61.62	2.66	-58.96	-13.00	-45.96	peak	V
5	660.0000	-77.22	9.39	-67.83	-13.00	-54.83	peak	V
6	950.0000	-84.94	12.56	-72.38	-13.00	-59.38	peak	V
7	3364.000	-71.27	22.32	-48.95	-13.00	-35.95	peak	V
8	5476.000	-73.70	27.82	-45.88	-13.00	-32.88	peak	V
9	7612.000	-72.66	30.94	-41.72	-13.00	-28.72	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	1745.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-57.77	-2.40	-60.17	-13.00	-47.17	peak	H
2	165.0000	-64.89	-2.44	-67.33	-13.00	-54.33	peak	H
3	297.0000	-67.68	-2.66	-70.34	-13.00	-57.34	peak	H
4	495.0000	-74.12	6.67	-67.45	-13.00	-54.45	peak	H
5	660.0000	-80.36	7.16	-73.20	-13.00	-60.20	peak	H
6	985.5000	-82.98	14.38	-68.60	-13.00	-55.60	peak	H
7	3028.000	-73.06	17.81	-55.25	-13.00	-42.25	peak	H
8	5392.000	-73.03	25.55	-47.48	-13.00	-34.48	peak	H
9	7900.000	-72.91	33.69	-39.22	-13.00	-26.22	peak	H
1	130.0000	-66.10	14.37	-51.73	-13.00	-38.73	peak	V
2	165.0000	-62.33	7.96	-54.37	-13.00	-41.37	peak	V
3	363.0000	-56.98	2.31	-54.67	-13.00	-41.67	peak	V
4	495.0000	-61.59	2.66	-58.93	-13.00	-45.93	peak	V
5	693.0000	-76.57	9.97	-66.60	-13.00	-53.60	peak	V
6	969.5000	-83.82	12.44	-71.38	-13.00	-58.38	peak	V
7	3052.000	-71.67	20.53	-51.14	-13.00	-38.14	peak	V
8	5380.000	-75.22	27.67	-47.55	-13.00	-34.55	peak	V
9	7828.000	-74.22	30.64	-43.58	-13.00	-30.58	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1710.7 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.0000	-59.67	-2.75	-62.42	-13.00	-49.42	peak	H
2	165.0000	-64.59	-2.44	-67.03	-13.00	-54.03	peak	H
3	297.0000	-67.41	-2.66	-70.07	-13.00	-57.07	peak	H
4	363.0000	-74.03	0.16	-73.87	-13.00	-60.87	peak	H
5	528.0000	-77.43	7.89	-69.54	-13.00	-56.54	peak	H
6	726.0000	-79.20	7.70	-71.50	-13.00	-58.50	peak	H
7	3316.000	-70.24	18.59	-51.65	-13.00	-38.65	peak	H
8	5428.000	-73.74	25.73	-48.01	-13.00	-35.01	peak	H
9	7792.000	-73.40	33.72	-39.68	-13.00	-26.68	peak	H
1	133.0000	-64.99	12.74	-52.25	-13.00	-39.25	peak	V
2	165.0000	-62.92	7.96	-54.96	-13.00	-41.96	peak	V
3	297.0000	-64.10	2.44	-61.66	-13.00	-48.66	peak	V
4	363.0000	-57.01	2.31	-54.70	-13.00	-41.70	peak	V
5	495.0000	-62.10	2.66	-59.44	-13.00	-46.44	peak	V
6	706.5000	-79.47	10.41	-69.06	-13.00	-56.06	peak	V
7	2932.000	-73.00	19.74	-53.26	-13.00	-40.26	peak	V
8	5284.000	-72.68	27.54	-45.14	-13.00	-32.14	peak	V
9	7732.000	-74.35	30.77	-43.58	-13.00	-30.58	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1732.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-59.07	-2.46	-61.53	-13.00	-48.53	peak	H
2	165.0000	-64.39	-2.44	-66.83	-13.00	-53.83	peak	H
3	297.0000	-67.42	-2.66	-70.08	-13.00	-57.08	peak	H
4	495.0000	-74.12	6.67	-67.45	-13.00	-54.45	peak	H
5	660.0000	-79.63	7.16	-72.47	-13.00	-59.47	peak	H
6	910.5000	-87.22	14.42	-72.80	-13.00	-59.80	peak	H
7	2812.000	-70.49	17.28	-53.21	-13.00	-40.21	peak	H
8	5332.000	-73.58	25.28	-48.30	-13.00	-35.30	peak	H
9	7792.000	-74.93	33.72	-41.21	-13.00	-28.21	peak	H
1	129.5000	-66.53	13.88	-52.65	-13.00	-39.65	peak	V
2	165.0000	-62.55	7.96	-54.59	-13.00	-41.59	peak	V
3	297.0000	-63.44	2.44	-61.00	-13.00	-48.00	peak	V
4	363.0000	-56.84	2.31	-54.53	-13.00	-41.53	peak	V
5	495.0000	-61.47	2.66	-58.81	-13.00	-45.81	peak	V
6	693.0000	-78.16	9.97	-68.19	-13.00	-55.19	peak	V
7	2836.000	-72.70	19.05	-53.65	-13.00	-40.65	peak	V
8	5308.000	-74.42	27.56	-46.86	-13.00	-33.86	peak	V
9	7840.000	-75.05	30.63	-44.42	-13.00	-31.42	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1754.3 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	61.0000	-64.85	4.01	-60.84	-13.00	-47.84	peak	H
2	165.0000	-64.83	-2.44	-67.27	-13.00	-54.27	peak	H
3	211.0000	-66.32	0.52	-65.80	-13.00	-52.80	peak	H
4	297.0000	-66.86	-2.66	-69.52	-13.00	-56.52	peak	H
5	495.0000	-73.90	6.67	-67.23	-13.00	-54.23	peak	H
6	919.0000	-84.45	14.71	-69.74	-13.00	-56.74	peak	H
7	3028.000	-71.79	17.81	-53.98	-13.00	-40.98	peak	H
8	5344.000	-73.21	25.34	-47.87	-13.00	-34.87	peak	H
9	7900.000	-75.09	33.69	-41.40	-13.00	-28.40	peak	H
1	134.5000	-62.19	11.93	-50.26	-13.00	-37.26	peak	V
2	165.0000	-62.14	7.96	-54.18	-13.00	-41.18	peak	V
3	297.0000	-63.29	2.44	-60.85	-13.00	-47.85	peak	V
4	363.0000	-57.02	2.31	-54.71	-13.00	-41.71	peak	V
5	495.0000	-61.76	2.66	-59.10	-13.00	-46.10	peak	V
6	951.5000	-83.33	12.54	-70.79	-13.00	-57.79	peak	V
7	2932.000	-73.15	19.74	-53.41	-13.00	-40.41	peak	V
8	5200.000	-72.32	27.40	-44.92	-13.00	-31.92	peak	V
9	7744.000	-72.82	30.76	-42.06	-13.00	-29.06	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1711.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	61.0000	-63.53	4.01	-59.52	-13.00	-46.52	peak	H
2	165.0000	-64.54	-2.44	-66.98	-13.00	-53.98	peak	H
3	297.0000	-66.86	-2.66	-69.52	-13.00	-56.52	peak	H
4	495.0000	-73.85	6.67	-67.18	-13.00	-54.18	peak	H
5	660.0000	-81.32	7.16	-74.16	-13.00	-61.16	peak	H
6	957.0000	-83.33	14.84	-68.49	-13.00	-55.49	peak	H
7	2860.000	-72.04	17.39	-54.65	-13.00	-41.65	peak	H
8	5380.000	-72.61	25.50	-47.11	-13.00	-34.11	peak	H
9	7924.000	-74.26	33.69	-40.57	-13.00	-27.57	peak	H
1	134.5000	-64.85	11.93	-52.92	-13.00	-39.92	peak	V
2	165.0000	-63.07	7.96	-55.11	-13.00	-42.11	peak	V
3	297.0000	-63.91	2.44	-61.47	-13.00	-48.47	peak	V
4	363.0000	-56.70	2.31	-54.39	-13.00	-41.39	peak	V
5	495.0000	-61.59	2.66	-58.93	-13.00	-45.93	peak	V
6	783.5000	-82.30	11.38	-70.92	-13.00	-57.92	peak	V
7	3028.000	-71.48	20.39	-51.09	-13.00	-38.09	peak	V
8	5380.000	-74.21	27.67	-46.54	-13.00	-33.54	peak	V
9	7804.000	-75.01	30.67	-44.34	-13.00	-31.34	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	74.0000	-55.60	-2.60	-58.20	-13.00	-45.20	peak	H
2	165.0000	-65.08	-2.44	-67.52	-13.00	-54.52	peak	H
3	297.0000	-66.60	-2.66	-69.26	-13.00	-56.26	peak	H
4	495.0000	-73.88	6.67	-67.21	-13.00	-54.21	peak	H
5	726.0000	-80.34	7.70	-72.64	-13.00	-59.64	peak	H
6	919.5000	-83.71	14.73	-68.98	-13.00	-55.98	peak	H
7	2884.000	-72.98	17.45	-55.53	-13.00	-42.53	peak	H
8	5380.000	-73.71	25.50	-48.21	-13.00	-35.21	peak	H
9	7876.000	-74.67	33.70	-40.97	-13.00	-27.97	peak	H
1	129.0000	-66.38	13.37	-53.01	-13.00	-40.01	peak	V
2	165.0000	-62.26	7.96	-54.30	-13.00	-41.30	peak	V
3	297.0000	-63.76	2.44	-61.32	-13.00	-48.32	peak	V
4	363.0000	-56.97	2.31	-54.66	-13.00	-41.66	peak	V
5	495.0000	-62.22	2.66	-59.56	-13.00	-46.56	peak	V
6	726.0000	-80.26	10.75	-69.51	-13.00	-56.51	peak	V
7	2980.000	-70.63	20.08	-50.55	-13.00	-37.55	peak	V
8	5380.000	-74.74	27.67	-47.07	-13.00	-34.07	peak	V
9	7876.000	-73.21	30.58	-42.63	-13.00	-29.63	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1753.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.5000	-57.50	-2.52	-60.02	-13.00	-47.02	peak	H
2	165.0000	-64.65	-2.44	-67.09	-13.00	-54.09	peak	H
3	297.0000	-66.59	-2.66	-69.25	-13.00	-56.25	peak	H
4	495.0000	-73.33	6.67	-66.66	-13.00	-53.66	peak	H
5	660.0000	-80.44	7.16	-73.28	-13.00	-60.28	peak	H
6	924.0000	-83.29	14.76	-68.53	-13.00	-55.53	peak	H
7	2956.000	-71.99	17.62	-54.37	-13.00	-41.37	peak	H
8	5440.000	-74.78	25.77	-49.01	-13.00	-36.01	peak	H
9	7744.000	-73.80	33.73	-40.07	-13.00	-27.07	peak	H
1	130.5000	-65.16	14.10	-51.06	-13.00	-38.06	peak	V
2	165.0000	-62.71	7.96	-54.75	-13.00	-41.75	peak	V
3	297.0000	-64.02	2.44	-61.58	-13.00	-48.58	peak	V
4	363.0000	-56.81	2.31	-54.50	-13.00	-41.50	peak	V
5	495.0000	-61.73	2.66	-59.07	-13.00	-46.07	peak	V
6	891.0000	-79.46	10.72	-68.74	-13.00	-55.74	peak	V
7	3088.000	-71.03	20.74	-50.29	-13.00	-37.29	peak	V
8	5332.000	-73.41	27.60	-45.81	-13.00	-32.81	peak	V
9	7744.000	-73.45	30.76	-42.69	-13.00	-29.69	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1712.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-57.33	-2.24	-59.57	-13.00	-46.57	peak	H
2	165.0000	-64.52	-2.44	-66.96	-13.00	-53.96	peak	H
3	297.0000	-67.04	-2.66	-69.70	-13.00	-56.70	peak	H
4	495.0000	-74.10	6.67	-67.43	-13.00	-54.43	peak	H
5	660.0000	-78.62	7.16	-71.46	-13.00	-58.46	peak	H
6	957.0000	-84.79	14.84	-69.95	-13.00	-56.95	peak	H
7	2956.000	-73.12	17.62	-55.50	-13.00	-42.50	peak	H
8	5356.000	-74.86	25.38	-49.48	-13.00	-36.48	peak	H
9	7900.000	-73.35	33.69	-39.66	-13.00	-26.66	peak	H
1	131.5000	-65.95	13.57	-52.38	-13.00	-39.38	peak	V
2	165.0000	-62.53	7.96	-54.57	-13.00	-41.57	peak	V
3	297.0000	-63.98	2.44	-61.54	-13.00	-48.54	peak	V
4	363.0000	-57.11	2.31	-54.80	-13.00	-41.80	peak	V
5	495.0000	-62.04	2.66	-59.38	-13.00	-46.38	peak	V
6	756.0000	-80.95	10.86	-70.09	-13.00	-57.09	peak	V
7	3004.000	-71.31	20.25	-51.06	-13.00	-38.06	peak	V
8	5332.000	-73.46	27.60	-45.86	-13.00	-32.86	peak	V
9	7708.000	-73.74	30.80	-42.94	-13.00	-29.94	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	69.5000	-56.19	-1.69	-57.88	-13.00	-44.88	peak	H
2	165.0000	-64.65	-2.44	-67.09	-13.00	-54.09	peak	H
3	297.0000	-67.58	-2.66	-70.24	-13.00	-57.24	peak	H
4	495.0000	-72.80	6.67	-66.13	-13.00	-53.13	peak	H
5	660.0000	-79.77	7.16	-72.61	-13.00	-59.61	peak	H
6	924.0000	-84.21	14.76	-69.45	-13.00	-56.45	peak	H
7	2932.000	-74.11	17.57	-56.54	-13.00	-43.54	peak	H
8	5428.000	-74.26	25.73	-48.53	-13.00	-35.53	peak	H
9	7876.000	-75.02	33.70	-41.32	-13.00	-28.32	peak	H
1	135.5000	-63.74	11.39	-52.35	-13.00	-39.35	peak	V
2	165.0000	-61.95	7.96	-53.99	-13.00	-40.99	peak	V
3	363.0000	-56.91	2.31	-54.60	-13.00	-41.60	peak	V
4	495.0000	-61.65	2.66	-58.99	-13.00	-45.99	peak	V
5	660.0000	-77.64	9.39	-68.25	-13.00	-55.25	peak	V
6	924.0000	-82.84	12.04	-70.80	-13.00	-57.80	peak	V
7	2944.000	-71.03	19.82	-51.21	-13.00	-38.21	peak	V
8	5260.000	-75.08	27.49	-47.59	-13.00	-34.59	peak	V
9	7936.000	-73.34	30.49	-42.85	-13.00	-29.85	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1752.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	69.5000	-59.12	-1.69	-60.81	-13.00	-47.81	peak	H
2	165.0000	-65.02	-2.44	-67.46	-13.00	-54.46	peak	H
3	297.0000	-67.37	-2.66	-70.03	-13.00	-57.03	peak	H
4	495.0000	-74.14	6.67	-67.47	-13.00	-54.47	peak	H
5	726.0000	-78.92	7.70	-71.22	-13.00	-58.22	peak	H
6	957.0000	-83.73	14.84	-68.89	-13.00	-55.89	peak	H
7	2764.000	-71.42	17.15	-54.27	-13.00	-41.27	peak	H
8	5452.000	-74.93	25.83	-49.10	-13.00	-36.10	peak	H
9	7936.000	-73.18	33.68	-39.50	-13.00	-26.50	peak	H
1	135.0000	-63.87	11.65	-52.22	-13.00	-39.22	peak	V
2	165.0000	-62.98	7.96	-55.02	-13.00	-42.02	peak	V
3	297.0000	-63.37	2.44	-60.93	-13.00	-47.93	peak	V
4	363.0000	-56.91	2.31	-54.60	-13.00	-41.60	peak	V
5	495.0000	-61.68	2.66	-59.02	-13.00	-46.02	peak	V
6	706.5000	-78.74	10.41	-68.33	-13.00	-55.33	peak	V
7	2944.000	-71.41	19.82	-51.59	-13.00	-38.59	peak	V
8	5428.000	-74.65	27.75	-46.90	-13.00	-33.90	peak	V
9	7840.000	-74.29	30.63	-43.66	-13.00	-30.66	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1715.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-58.71	-2.40	-61.11	-13.00	-48.11	peak	H
2	165.0000	-64.91	-2.44	-67.35	-13.00	-54.35	peak	H
3	297.0000	-66.97	-2.66	-69.63	-13.00	-56.63	peak	H
4	495.0000	-74.03	6.67	-67.36	-13.00	-54.36	peak	H
5	660.0000	-79.30	7.16	-72.14	-13.00	-59.14	peak	H
6	942.5000	-84.02	14.85	-69.17	-13.00	-56.17	peak	H
7	3028.000	-72.09	17.81	-54.28	-13.00	-41.28	peak	H
8	5428.000	-74.48	25.73	-48.75	-13.00	-35.75	peak	H
9	7924.000	-73.64	33.69	-39.95	-13.00	-26.95	peak	H
1	134.0000	-65.38	12.20	-53.18	-13.00	-40.18	peak	V
2	297.0000	-63.97	2.44	-61.53	-13.00	-48.53	peak	V
3	363.0000	-56.74	2.31	-54.43	-13.00	-41.43	peak	V
4	495.0000	-61.44	2.66	-58.78	-13.00	-45.78	peak	V
5	693.0000	-77.24	9.97	-67.27	-13.00	-54.27	peak	V
6	891.0000	-79.58	10.72	-68.86	-13.00	-55.86	peak	V
7	2860.000	-71.59	19.22	-52.37	-13.00	-39.37	peak	V
8	5440.000	-73.79	27.76	-46.03	-13.00	-33.03	peak	V
9	7840.000	-74.01	30.63	-43.38	-13.00	-30.38	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-59.36	-2.10	-61.46	-13.00	-48.46	peak	H
2	212.5000	-67.70	0.34	-67.36	-13.00	-54.36	peak	H
3	297.0000	-66.85	-2.66	-69.51	-13.00	-56.51	peak	H
4	495.0000	-74.03	6.67	-67.36	-13.00	-54.36	peak	H
5	660.0000	-80.22	7.16	-73.06	-13.00	-60.06	peak	H
6	930.0000	-84.90	14.80	-70.10	-13.00	-57.10	peak	H
7	3052.000	-72.21	17.88	-54.33	-13.00	-41.33	peak	H
8	5440.000	-74.55	25.77	-48.78	-13.00	-35.78	peak	H
9	7840.000	-74.95	33.71	-41.24	-13.00	-28.24	peak	H
1	129.5000	-65.95	13.88	-52.07	-13.00	-39.07	peak	V
2	363.0000	-56.94	2.31	-54.63	-13.00	-41.63	peak	V
3	495.0000	-62.08	2.66	-59.42	-13.00	-46.42	peak	V
4	660.0000	-76.81	9.39	-67.42	-13.00	-54.42	peak	V
5	693.0000	-77.17	9.97	-67.20	-13.00	-54.20	peak	V
6	938.5000	-83.50	12.67	-70.83	-13.00	-57.83	peak	V
7	2944.000	-71.80	19.82	-51.98	-13.00	-38.98	peak	V
8	5296.000	-75.32	27.54	-47.78	-13.00	-34.78	peak	V
9	7828.000	-73.77	30.64	-43.13	-13.00	-30.13	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1750.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-56.79	-2.40	-59.19	-13.00	-46.19	peak	H
2	165.0000	-64.73	-2.44	-67.17	-13.00	-54.17	peak	H
3	297.0000	-67.26	-2.66	-69.92	-13.00	-56.92	peak	H
4	495.0000	-73.80	6.67	-67.13	-13.00	-54.13	peak	H
5	660.0000	-80.18	7.16	-73.02	-13.00	-60.02	peak	H
6	953.5000	-83.91	14.84	-69.07	-13.00	-56.07	peak	H
7	3124.000	-71.29	18.08	-53.21	-13.00	-40.21	peak	H
8	5392.000	-74.54	25.55	-48.99	-13.00	-35.99	peak	H
9	7804.000	-75.40	33.71	-41.69	-13.00	-28.69	peak	H
1	134.5000	-64.12	11.93	-52.19	-13.00	-39.19	peak	V
2	165.0000	-63.17	7.96	-55.21	-13.00	-42.21	peak	V
3	297.0000	-63.41	2.44	-60.97	-13.00	-47.97	peak	V
4	363.0000	-57.11	2.31	-54.80	-13.00	-41.80	peak	V
5	528.0000	-71.77	3.57	-68.20	-13.00	-55.20	peak	V
6	924.0000	-83.16	12.04	-71.12	-13.00	-58.12	peak	V
7	2908.000	-72.55	19.57	-52.98	-13.00	-39.98	peak	V
8	5404.000	-73.52	27.72	-45.80	-13.00	-32.80	peak	V
9	7696.000	-73.59	30.82	-42.77	-13.00	-29.77	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1717.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	74.5000	-57.90	-2.67	-60.57	-13.00	-47.57	peak	H
2	165.0000	-63.88	-2.44	-66.32	-13.00	-53.32	peak	H
3	363.0000	-74.07	0.16	-73.91	-13.00	-60.91	peak	H
4	495.0000	-73.61	6.67	-66.94	-13.00	-53.94	peak	H
5	660.0000	-79.94	7.16	-72.78	-13.00	-59.78	peak	H
6	933.5000	-82.83	14.82	-68.01	-13.00	-55.01	peak	H
7	3028.000	-71.42	17.81	-53.61	-13.00	-40.61	peak	H
8	5356.000	-75.24	25.38	-49.86	-13.00	-36.86	peak	H
9	7888.000	-73.39	33.68	-39.71	-13.00	-26.71	peak	H
1	135.5000	-63.16	11.39	-51.77	-13.00	-38.77	peak	V
2	165.0000	-62.63	7.96	-54.67	-13.00	-41.67	peak	V
3	297.0000	-63.57	2.44	-61.13	-13.00	-48.13	peak	V
4	363.0000	-56.89	2.31	-54.58	-13.00	-41.58	peak	V
5	495.0000	-61.72	2.66	-59.06	-13.00	-46.06	peak	V
6	924.0000	-81.23	12.04	-69.19	-13.00	-56.19	peak	V
7	3028.000	-71.15	20.39	-50.76	-13.00	-37.76	peak	V
8	5332.000	-73.76	27.60	-46.16	-13.00	-33.16	peak	V
9	7900.000	-73.50	30.54	-42.96	-13.00	-29.96	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-59.13	-2.24	-61.37	-13.00	-48.37	peak	H
2	165.0000	-64.70	-2.44	-67.14	-13.00	-54.14	peak	H
3	297.0000	-67.15	-2.66	-69.81	-13.00	-56.81	peak	H
4	495.0000	-73.81	6.67	-67.14	-13.00	-54.14	peak	H
5	726.0000	-78.79	7.70	-71.09	-13.00	-58.09	peak	H
6	967.5000	-83.31	14.65	-68.66	-13.00	-55.66	peak	H
7	3004.000	-73.25	17.74	-55.51	-13.00	-42.51	peak	H
8	5440.000	-74.97	25.77	-49.20	-13.00	-36.20	peak	H
9	7792.000	-75.23	33.72	-41.51	-13.00	-28.51	peak	H
1	134.5000	-63.57	11.93	-51.64	-13.00	-38.64	peak	V
2	165.0000	-62.59	7.96	-54.63	-13.00	-41.63	peak	V
3	363.0000	-56.82	2.31	-54.51	-13.00	-41.51	peak	V
4	495.0000	-61.73	2.66	-59.07	-13.00	-46.07	peak	V
5	660.0000	-75.65	9.39	-66.26	-13.00	-53.26	peak	V
6	957.0000	-82.00	12.44	-69.56	-13.00	-56.56	peak	V
7	3100.000	-70.89	20.81	-50.08	-13.00	-37.08	peak	V
8	5404.000	-74.14	27.72	-46.42	-13.00	-33.42	peak	V
9	7732.000	-73.56	30.77	-42.79	-13.00	-29.79	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	15 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1747.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-59.52	-2.24	-61.76	-13.00	-48.76	peak	H
2	165.0000	-64.40	-2.44	-66.84	-13.00	-53.84	peak	H
3	297.0000	-66.84	-2.66	-69.50	-13.00	-56.50	peak	H
4	495.0000	-73.93	6.67	-67.26	-13.00	-54.26	peak	H
5	660.0000	-78.91	7.16	-71.75	-13.00	-58.75	peak	H
6	957.0000	-83.78	14.84	-68.94	-13.00	-55.94	peak	H
7	3184.000	-71.32	18.23	-53.09	-13.00	-40.09	peak	H
8	5392.000	-74.77	25.55	-49.22	-13.00	-36.22	peak	H
9	7876.000	-74.57	33.70	-40.87	-13.00	-27.87	peak	H
1	136.5000	-63.20	10.85	-52.35	-13.00	-39.35	peak	V
2	165.0000	-62.70	7.96	-54.74	-13.00	-41.74	peak	V
3	297.0000	-64.01	2.44	-61.57	-13.00	-48.57	peak	V
4	363.0000	-56.82	2.31	-54.51	-13.00	-41.51	peak	V
5	528.0000	-71.11	3.57	-67.54	-13.00	-54.54	peak	V
6	944.0000	-84.63	12.67	-71.96	-13.00	-58.96	peak	V
7	3172.000	-71.86	21.21	-50.65	-13.00	-37.65	peak	V
8	5284.000	-74.34	27.54	-46.80	-13.00	-33.80	peak	V
9	7876.000	-74.38	30.58	-43.80	-13.00	-30.80	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1720.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-58.43	-2.10	-60.53	-13.00	-47.53	peak	H
2	165.0000	-64.35	-2.44	-66.79	-13.00	-53.79	peak	H
3	297.0000	-66.96	-2.66	-69.62	-13.00	-56.62	peak	H
4	495.0000	-73.27	6.67	-66.60	-13.00	-53.60	peak	H
5	660.0000	-80.22	7.16	-73.06	-13.00	-60.06	peak	H
6	939.5000	-83.94	14.86	-69.08	-13.00	-56.08	peak	H
7	3268.000	-71.15	18.46	-52.69	-13.00	-39.69	peak	H
8	5452.000	-72.91	25.83	-47.08	-13.00	-34.08	peak	H
9	8092.000	-75.51	33.59	-41.92	-13.00	-28.92	peak	H
1	129.0000	-65.56	13.37	-52.19	-13.00	-39.19	peak	V
2	165.0000	-62.10	7.96	-54.14	-13.00	-41.14	peak	V
3	297.0000	-63.83	2.44	-61.39	-13.00	-48.39	peak	V
4	495.0000	-61.68	2.66	-59.02	-13.00	-46.02	peak	V
5	660.0000	-77.15	9.39	-67.76	-13.00	-54.76	peak	V
6	979.0000	-84.09	12.51	-71.58	-13.00	-58.58	peak	V
7	3088.000	-70.51	20.74	-49.77	-13.00	-36.77	peak	V
8	5356.000	-74.22	27.63	-46.59	-13.00	-33.59	peak	V
9	8044.000	-72.90	30.43	-42.47	-13.00	-29.47	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1732.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	76.0000	-59.02	-2.90	-61.92	-13.00	-48.92	peak	H
2	196.0000	-71.66	-0.73	-72.39	-13.00	-59.39	peak	H
3	297.0000	-66.94	-2.66	-69.60	-13.00	-56.60	peak	H
4	528.0000	-77.09	7.89	-69.20	-13.00	-56.20	peak	H
5	726.0000	-78.18	7.70	-70.48	-13.00	-57.48	peak	H
6	931.0000	-84.86	14.81	-70.05	-13.00	-57.05	peak	H
7	3088.000	-70.88	17.99	-52.89	-13.00	-39.89	peak	H
8	5308.000	-73.12	25.17	-47.95	-13.00	-34.95	peak	H
9	7948.000	-75.03	33.68	-41.35	-13.00	-28.35	peak	H
1	130.0000	-66.44	14.37	-52.07	-13.00	-39.07	peak	V
2	165.0000	-62.50	7.96	-54.54	-13.00	-41.54	peak	V
3	297.0000	-64.08	2.44	-61.64	-13.00	-48.64	peak	V
4	363.0000	-57.01	2.31	-54.70	-13.00	-41.70	peak	V
5	495.0000	-61.59	2.66	-58.93	-13.00	-45.93	peak	V
6	756.0000	-81.43	10.86	-70.57	-13.00	-57.57	peak	V
7	3088.000	-71.20	20.74	-50.46	-13.00	-37.46	peak	V
8	5404.000	-73.63	27.72	-45.91	-13.00	-32.91	peak	V
9	7708.000	-72.64	30.80	-41.84	-13.00	-28.84	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 4	Date:	08/28/2013
Channel Bandwidth:	20 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	1745.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.0000	-57.27	-2.75	-60.02	-13.00	-47.02	peak	H
2	165.0000	-64.58	-2.44	-67.02	-13.00	-54.02	peak	H
3	363.0000	-73.96	0.16	-73.80	-13.00	-60.80	peak	H
4	495.0000	-74.47	6.67	-67.80	-13.00	-54.80	peak	H
5	660.0000	-79.13	7.16	-71.97	-13.00	-58.97	peak	H
6	967.5000	-82.49	14.65	-67.84	-13.00	-54.84	peak	H
7	2980.000	-71.86	17.68	-54.18	-13.00	-41.18	peak	H
8	5356.000	-73.83	25.38	-48.45	-13.00	-35.45	peak	H
9	7792.000	-73.60	33.72	-39.88	-13.00	-26.88	peak	H
1	130.0000	-67.15	14.37	-52.78	-13.00	-39.78	peak	V
2	165.0000	-61.70	7.96	-53.74	-13.00	-40.74	peak	V
3	363.0000	-57.01	2.31	-54.70	-13.00	-41.70	peak	V
4	495.0000	-61.85	2.66	-59.19	-13.00	-46.19	peak	V
5	693.0000	-77.21	9.97	-67.24	-13.00	-54.24	peak	V
6	924.0000	-82.33	12.04	-70.29	-13.00	-57.29	peak	V
7	2944.000	-72.65	19.82	-52.83	-13.00	-39.83	peak	V
8	5404.000	-73.92	27.72	-46.20	-13.00	-33.20	peak	V
9	7828.000	-75.10	30.64	-44.46	-13.00	-31.46	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	824.7 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-68.00	-1.60	-69.60	-13.00	-56.60	peak	H
2	196.0000	-67.48	-0.73	-68.21	-13.00	-55.21	peak	H
3	252.0000	-64.65	-4.25	-68.90	-13.00	-55.90	peak	H
4	363.0000	-69.69	0.16	-69.53	-13.00	-56.53	peak	H
5	495.0000	-72.78	6.67	-66.11	-13.00	-53.11	peak	H
6	756.0000	-79.02	8.91	-70.11	-13.00	-57.11	peak	H
7	3172.000	-69.52	18.20	-51.32	-13.00	-38.32	peak	H
8	5356.000	-72.73	25.38	-47.35	-13.00	-34.35	peak	H
9	7744.000	-72.77	33.73	-39.04	-13.00	-26.04	peak	H
1	132.0000	-65.07	13.29	-51.78	-13.00	-38.78	peak	V
2	165.0000	-62.54	7.96	-54.58	-13.00	-41.58	peak	V
3	297.0000	-63.93	2.44	-61.49	-13.00	-48.49	peak	V
4	363.0000	-57.04	2.31	-54.73	-13.00	-41.73	peak	V
5	495.0000	-61.48	2.66	-58.82	-13.00	-45.82	peak	V
6	660.0000	-74.48	9.39	-65.09	-13.00	-52.09	peak	V
7	2812.000	-70.79	18.88	-51.91	-13.00	-38.91	peak	V
8	5344.000	-72.32	27.62	-44.70	-13.00	-31.70	peak	V
9	7732.000	-71.41	30.77	-40.64	-13.00	-27.64	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	165.0000	-66.14	-2.44	-68.58	-13.00	-55.58	peak	H
2	196.0000	-66.46	-0.73	-67.19	-13.00	-54.19	peak	H
3	252.0000	-64.77	-4.25	-69.02	-13.00	-56.02	peak	H
4	363.0000	-70.38	0.16	-70.22	-13.00	-57.22	peak	H
5	495.0000	-72.68	6.67	-66.01	-13.00	-53.01	peak	H
6	726.0000	-80.23	7.70	-72.53	-13.00	-59.53	peak	H
7	2920.000	-70.97	17.54	-53.43	-13.00	-40.43	peak	H
8	5476.000	-73.58	25.94	-47.64	-13.00	-34.64	peak	H
9	7804.000	-73.08	33.71	-39.37	-13.00	-26.37	peak	H
1	134.5000	-63.10	11.93	-51.17	-13.00	-38.17	peak	V
2	165.0000	-61.91	7.96	-53.95	-13.00	-40.95	peak	V
3	297.0000	-63.97	2.44	-61.53	-13.00	-48.53	peak	V
4	363.0000	-57.34	2.31	-55.03	-13.00	-42.03	peak	V
5	495.0000	-61.91	2.66	-59.25	-13.00	-46.25	peak	V
6	693.0000	-77.77	9.97	-67.80	-13.00	-54.80	peak	V
7	2716.000	-70.36	18.18	-52.18	-13.00	-39.18	peak	V
8	5188.000	-73.24	27.39	-45.85	-13.00	-32.85	peak	V
9	7744.000	-70.34	30.76	-39.58	-13.00	-26.58	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	848.3 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	165.0000	-66.35	-2.44	-68.79	-13.00	-55.79	peak	H
2	196.0000	-67.48	-0.73	-68.21	-13.00	-55.21	peak	H
3	252.0000	-64.73	-4.25	-68.98	-13.00	-55.98	peak	H
4	363.0000	-70.72	0.16	-70.56	-13.00	-57.56	peak	H
5	495.0000	-71.85	6.67	-65.18	-13.00	-52.18	peak	H
6	660.0000	-80.74	7.16	-73.58	-13.00	-60.58	peak	H
7	2908.000	-70.48	17.51	-52.97	-13.00	-39.97	peak	H
8	5068.000	-73.54	24.07	-49.47	-13.00	-36.47	peak	H
9	7636.000	-73.09	33.75	-39.34	-13.00	-26.34	peak	H
1	135.5000	-63.41	11.39	-52.02	-13.00	-39.02	peak	V
2	165.0000	-62.30	7.96	-54.34	-13.00	-41.34	peak	V
3	297.0000	-64.12	2.44	-61.68	-13.00	-48.68	peak	V
4	363.0000	-57.33	2.31	-55.02	-13.00	-42.02	peak	V
5	495.0000	-61.93	2.66	-59.27	-13.00	-46.27	peak	V
6	693.0000	-76.80	9.97	-66.83	-13.00	-53.83	peak	V
7	2716.000	-70.57	18.18	-52.39	-13.00	-39.39	peak	V
8	5380.000	-73.10	27.67	-45.43	-13.00	-32.43	peak	V
9	7792.000	-72.52	30.69	-41.83	-13.00	-28.83	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	825.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	130.5000	-65.49	14.10	-51.39	-13.00	-38.39	peak	H
2	165.0000	-62.05	7.96	-54.09	-13.00	-41.09	peak	H
3	297.0000	-63.82	2.44	-61.38	-13.00	-48.38	peak	H
4	363.0000	-57.15	2.31	-54.84	-13.00	-41.84	peak	H
5	495.0000	-61.53	2.66	-58.87	-13.00	-45.87	peak	H
6	660.0000	-76.67	9.39	-67.28	-13.00	-54.28	peak	H
7	3184.000	-70.44	21.28	-49.16	-13.00	-36.16	peak	H
8	5428.000	-75.11	27.75	-47.36	-13.00	-34.36	peak	H
9	7792.000	-74.83	30.69	-44.14	-13.00	-31.14	peak	H
1	90.5000	-70.08	-0.07	-70.15	-13.00	-57.15	peak	V
2	165.0000	-66.63	-2.44	-69.07	-13.00	-56.07	peak	V
3	297.0000	-69.58	-2.66	-72.24	-13.00	-59.24	peak	V
4	495.0000	-71.40	6.67	-64.73	-13.00	-51.73	peak	V
5	575.0000	-79.82	7.65	-72.17	-13.00	-59.17	peak	V
6	726.0000	-78.70	7.70	-71.00	-13.00	-58.00	peak	V
7	2812.000	-71.03	17.28	-53.75	-13.00	-40.75	peak	V
8	5404.000	-74.67	25.62	-49.05	-13.00	-36.05	peak	V
9	7840.000	-72.94	33.71	-39.23	-13.00	-26.23	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	135.5000	-61.62	11.39	-50.23	-13.00	-37.23	peak	H
2	165.0000	-62.11	7.96	-54.15	-13.00	-41.15	peak	H
3	297.0000	-63.30	2.44	-60.86	-13.00	-47.86	peak	H
4	363.0000	-57.03	2.31	-54.72	-13.00	-41.72	peak	H
5	495.0000	-61.33	2.66	-58.67	-13.00	-45.67	peak	H
6	693.0000	-76.69	9.97	-66.72	-13.00	-53.72	peak	H
7	2788.000	-70.01	18.70	-51.31	-13.00	-38.31	peak	H
8	5380.000	-73.48	27.67	-45.81	-13.00	-32.81	peak	H
9	7552.000	-72.88	31.01	-41.87	-13.00	-28.87	peak	H
1	165.0000	-66.68	-2.44	-69.12	-13.00	-56.12	peak	V
2	196.0000	-70.97	-0.73	-71.70	-13.00	-58.70	peak	V
3	363.0000	-70.85	0.16	-70.69	-13.00	-57.69	peak	V
4	495.0000	-72.09	6.67	-65.42	-13.00	-52.42	peak	V
5	627.0000	-81.77	7.39	-74.38	-13.00	-61.38	peak	V
6	756.0000	-79.69	8.91	-70.78	-13.00	-57.78	peak	V
7	3316.000	-68.61	18.59	-50.02	-13.00	-37.02	peak	V
8	5476.000	-73.75	25.94	-47.81	-13.00	-34.81	peak	V
9	7828.000	-75.02	33.70	-41.32	-13.00	-28.32	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	847.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	134.5000	-62.69	11.93	-50.76	-13.00	-37.76	peak	H
2	165.0000	-62.69	7.96	-54.73	-13.00	-41.73	peak	H
3	297.0000	-63.80	2.44	-61.36	-13.00	-48.36	peak	H
4	363.0000	-57.01	2.31	-54.70	-13.00	-41.70	peak	H
5	495.0000	-61.67	2.66	-59.01	-13.00	-46.01	peak	H
6	660.0000	-76.87	9.39	-67.48	-13.00	-54.48	peak	H
7	2884.000	-71.73	19.39	-52.34	-13.00	-39.34	peak	H
8	5404.000	-74.36	27.72	-46.64	-13.00	-33.64	peak	H
9	7696.000	-73.25	30.82	-42.43	-13.00	-29.43	peak	H
1	165.0000	-66.57	-2.44	-69.01	-13.00	-56.01	peak	V
2	297.0000	-69.66	-2.66	-72.32	-13.00	-59.32	peak	V
3	363.0000	-70.74	0.16	-70.58	-13.00	-57.58	peak	V
4	495.0000	-71.84	6.67	-65.17	-13.00	-52.17	peak	V
5	528.0000	-77.84	7.89	-69.95	-13.00	-56.95	peak	V
6	726.0000	-80.14	7.70	-72.44	-13.00	-59.44	peak	V
7	3136.000	-70.65	18.10	-52.55	-13.00	-39.55	peak	V
8	5428.000	-73.23	25.73	-47.50	-13.00	-34.50	peak	V
9	7804.000	-72.95	33.71	-39.24	-13.00	-26.24	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	826.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-68.75	-1.60	-70.35	-13.00	-57.35	peak	H
2	165.0000	-66.73	-2.44	-69.17	-13.00	-56.17	peak	H
3	196.0000	-70.62	-0.73	-71.35	-13.00	-58.35	peak	H
4	297.0000	-68.84	-2.66	-71.50	-13.00	-58.50	peak	H
5	495.0000	-71.53	6.67	-64.86	-13.00	-51.86	peak	H
6	726.0000	-77.65	7.70	-69.95	-13.00	-56.95	peak	H
7	3328.000	-70.41	18.62	-51.79	-13.00	-38.79	peak	H
8	5332.000	-74.48	25.28	-49.20	-13.00	-36.20	peak	H
9	7804.000	-73.51	33.71	-39.80	-13.00	-26.80	peak	H
1	134.5000	-63.28	11.93	-51.35	-13.00	-38.35	peak	V
2	165.0000	-62.28	7.96	-54.32	-13.00	-41.32	peak	V
3	297.0000	-63.56	2.44	-61.12	-13.00	-48.12	peak	V
4	363.0000	-57.05	2.31	-54.74	-13.00	-41.74	peak	V
5	495.0000	-61.56	2.66	-58.90	-13.00	-45.90	peak	V
6	693.0000	-77.25	9.97	-67.28	-13.00	-54.28	peak	V
7	3088.000	-70.69	20.74	-49.95	-13.00	-36.95	peak	V
8	5404.000	-73.36	27.72	-45.64	-13.00	-32.64	peak	V
9	7696.000	-73.68	30.82	-42.86	-13.00	-29.86	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	90.5000	-70.84	-0.07	-70.91	-13.00	-57.91	peak	H
2	165.0000	-66.12	-2.44	-68.56	-13.00	-55.56	peak	H
3	224.0000	-72.31	-0.68	-72.99	-13.00	-59.99	peak	H
4	363.0000	-71.59	0.16	-71.43	-13.00	-58.43	peak	H
5	495.0000	-72.63	6.67	-65.96	-13.00	-52.96	peak	H
6	726.0000	-78.00	7.70	-70.30	-13.00	-57.30	peak	H
7	2956.000	-72.04	17.62	-54.42	-13.00	-41.42	peak	H
8	5308.000	-73.81	25.17	-48.64	-13.00	-35.64	peak	H
9	7972.000	-74.44	33.69	-40.75	-13.00	-27.75	peak	H
1	135.5000	-64.16	11.39	-52.77	-13.00	-39.77	peak	V
2	165.0000	-62.40	7.96	-54.44	-13.00	-41.44	peak	V
3	297.0000	-63.75	2.44	-61.31	-13.00	-48.31	peak	V
4	363.0000	-57.20	2.31	-54.89	-13.00	-41.89	peak	V
5	495.0000	-61.77	2.66	-59.11	-13.00	-46.11	peak	V
6	660.0000	-75.79	9.39	-66.40	-13.00	-53.40	peak	V
7	3028.000	-72.18	20.39	-51.79	-13.00	-38.79	peak	V
8	5308.000	-73.45	27.56	-45.89	-13.00	-32.89	peak	V
9	7744.000	-72.75	30.76	-41.99	-13.00	-28.99	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/28/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	846.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-68.49	-1.60	-70.09	-13.00	-57.09	peak	H
2	165.0000	-66.22	-2.44	-68.66	-13.00	-55.66	peak	H
3	212.5000	-71.90	0.34	-71.56	-13.00	-58.56	peak	H
4	297.0000	-69.40	-2.66	-72.06	-13.00	-59.06	peak	H
5	363.0000	-70.89	0.16	-70.73	-13.00	-57.73	peak	H
6	660.0000	-79.01	7.16	-71.85	-13.00	-58.85	peak	H
7	2956.000	-72.06	17.62	-54.44	-13.00	-41.44	peak	H
8	5332.000	-73.47	25.28	-48.19	-13.00	-35.19	peak	H
9	7792.000	-74.59	33.72	-40.87	-13.00	-27.87	peak	H
1	134.5000	-63.56	11.93	-51.63	-13.00	-38.63	peak	V
2	165.0000	-63.16	7.96	-55.20	-13.00	-42.20	peak	V
3	297.0000	-63.53	2.44	-61.09	-13.00	-48.09	peak	V
4	363.0000	-56.98	2.31	-54.67	-13.00	-41.67	peak	V
5	495.0000	-61.54	2.66	-58.88	-13.00	-45.88	peak	V
6	660.0000	-75.66	9.39	-66.27	-13.00	-53.27	peak	V
7	3052.000	-71.50	20.53	-50.97	-13.00	-37.97	peak	V
8	5296.000	-73.90	27.54	-46.36	-13.00	-33.36	peak	V
9	7732.000	-73.16	30.77	-42.39	-13.00	-29.39	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	829.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-67.85	-1.60	-69.45	-13.00	-56.45	peak	H
2	165.0000	-66.02	-2.44	-68.46	-13.00	-55.46	peak	H
3	297.0000	-69.30	-2.66	-71.96	-13.00	-58.96	peak	H
4	363.0000	-71.40	0.16	-71.24	-13.00	-58.24	peak	H
5	495.0000	-72.29	6.67	-65.62	-13.00	-52.62	peak	H
6	726.0000	-78.02	7.70	-70.32	-13.00	-57.32	peak	H
7	3040.000	-71.19	17.85	-53.34	-13.00	-40.34	peak	H
8	5392.000	-73.76	25.55	-48.21	-13.00	-35.21	peak	H
9	7840.000	-74.08	33.71	-40.37	-13.00	-27.37	peak	H
1	135.5000	-63.68	11.39	-52.29	-13.00	-39.29	peak	V
2	165.0000	-62.44	7.96	-54.48	-13.00	-41.48	peak	V
3	297.0000	-63.79	2.44	-61.35	-13.00	-48.35	peak	V
4	363.0000	-57.06	2.31	-54.75	-13.00	-41.75	peak	V
5	495.0000	-61.79	2.66	-59.13	-13.00	-46.13	peak	V
6	693.0000	-78.11	9.97	-68.14	-13.00	-55.14	peak	V
7	2932.000	-70.72	19.74	-50.98	-13.00	-37.98	peak	V
8	5344.000	-74.56	27.62	-46.94	-13.00	-33.94	peak	V
9	7840.000	-73.18	30.63	-42.55	-13.00	-29.55	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	90.5000	-69.24	-0.07	-69.31	-13.00	-56.31	peak	H
2	165.0000	-66.81	-2.44	-69.25	-13.00	-56.25	peak	H
3	297.0000	-70.71	-2.66	-73.37	-13.00	-60.37	peak	H
4	363.0000	-71.06	0.16	-70.90	-13.00	-57.90	peak	H
5	495.0000	-72.34	6.67	-65.67	-13.00	-52.67	peak	H
6	726.0000	-79.16	7.70	-71.46	-13.00	-58.46	peak	H
7	2812.000	-72.50	17.28	-55.22	-13.00	-42.22	peak	H
8	5428.000	-74.32	25.73	-48.59	-13.00	-35.59	peak	H
9	7852.000	-74.54	33.70	-40.84	-13.00	-27.84	peak	H
1	135.0000	-63.11	11.65	-51.46	-13.00	-38.46	peak	V
2	165.0000	-62.73	7.96	-54.77	-13.00	-41.77	peak	V
3	297.0000	-63.80	2.44	-61.36	-13.00	-48.36	peak	V
4	363.0000	-57.20	2.31	-54.89	-13.00	-41.89	peak	V
5	495.0000	-61.59	2.66	-58.93	-13.00	-45.93	peak	V
6	715.0000	-80.17	10.69	-69.48	-13.00	-56.48	peak	V
7	2704.000	-70.76	18.10	-52.66	-13.00	-39.66	peak	V
8	5200.000	-74.73	27.40	-47.33	-13.00	-34.33	peak	V
9	7732.000	-73.00	30.77	-42.23	-13.00	-29.23	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	844.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-67.18	-1.60	-68.78	-13.00	-55.78	peak	H
2	165.0000	-66.84	-2.44	-69.28	-13.00	-56.28	peak	H
3	297.0000	-69.49	-2.66	-72.15	-13.00	-59.15	peak	H
4	363.0000	-70.99	0.16	-70.83	-13.00	-57.83	peak	H
5	495.0000	-71.34	6.67	-64.67	-13.00	-51.67	peak	H
6	660.0000	-80.08	7.16	-72.92	-13.00	-59.92	peak	H
7	3088.000	-70.95	17.99	-52.96	-13.00	-39.96	peak	H
8	5428.000	-75.07	25.73	-49.34	-13.00	-36.34	peak	H
9	7876.000	-73.76	33.70	-40.06	-13.00	-27.06	peak	H
1	130.5000	-67.73	14.10	-53.63	-13.00	-40.63	peak	V
2	165.0000	-62.43	7.96	-54.47	-13.00	-41.47	peak	V
3	297.0000	-64.22	2.44	-61.78	-13.00	-48.78	peak	V
4	363.0000	-56.94	2.31	-54.63	-13.00	-41.63	peak	V
5	495.0000	-61.76	2.66	-59.10	-13.00	-46.10	peak	V
6	693.0000	-78.63	9.97	-68.66	-13.00	-55.66	peak	V
7	2944.000	-72.20	19.82	-52.38	-13.00	-39.38	peak	V
8	5380.000	-73.83	27.67	-46.16	-13.00	-33.16	peak	V
9	7732.000	-74.21	30.77	-43.44	-13.00	-30.44	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	824.7 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	165.0000	-66.57	-2.44	-69.01	-13.00	-56.01	peak	H
2	196.0000	-66.94	-0.73	-67.67	-13.00	-54.67	peak	H
3	252.0000	-65.12	-4.25	-69.37	-13.00	-56.37	peak	H
4	308.0000	-67.64	-1.79	-69.43	-13.00	-56.43	peak	H
5	495.0000	-71.93	6.67	-65.26	-13.00	-52.26	peak	H
6	726.0000	-81.17	7.70	-73.47	-13.00	-60.47	peak	H
7	3088.000	-70.79	17.99	-52.80	-13.00	-39.80	peak	H
8	5212.000	-75.44	24.73	-50.71	-13.00	-37.71	peak	H
9	7840.000	-73.54	33.71	-39.83	-13.00	-26.83	peak	H
1	134.0000	-64.40	12.20	-52.20	-13.00	-39.20	peak	V
2	165.0000	-62.35	7.96	-54.39	-13.00	-41.39	peak	V
3	297.0000	-64.13	2.44	-61.69	-13.00	-48.69	peak	V
4	363.0000	-57.51	2.31	-55.20	-13.00	-42.20	peak	V
5	495.0000	-62.11	2.66	-59.45	-13.00	-46.45	peak	V
6	715.0000	-78.47	10.69	-67.78	-13.00	-54.78	peak	V
7	2788.000	-70.74	18.70	-52.04	-13.00	-39.04	peak	V
8	5404.000	-74.39	27.72	-46.67	-13.00	-33.67	peak	V
9	7756.000	-73.24	30.73	-42.51	-13.00	-29.51	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	59.0000	-73.03	5.00	-68.03	-13.00	-55.03	peak	H
2	196.0000	-66.25	-0.73	-66.98	-13.00	-53.98	peak	H
3	308.0000	-67.67	-1.79	-69.46	-13.00	-56.46	peak	H
4	495.0000	-71.47	6.67	-64.80	-13.00	-51.80	peak	H
5	660.0000	-80.25	7.16	-73.09	-13.00	-60.09	peak	H
6	756.0000	-79.33	8.91	-70.42	-13.00	-57.42	peak	H
7	3052.000	-72.18	17.88	-54.30	-13.00	-41.30	peak	H
8	5488.000	-74.12	25.99	-48.13	-13.00	-35.13	peak	H
9	7888.000	-74.15	33.68	-40.47	-13.00	-27.47	peak	H
1	135.0000	-63.87	11.65	-52.22	-13.00	-39.22	peak	V
2	165.0000	-62.48	7.96	-54.52	-13.00	-41.52	peak	V
3	297.0000	-64.44	2.44	-62.00	-13.00	-49.00	peak	V
4	363.0000	-57.61	2.31	-55.30	-13.00	-42.30	peak	V
5	495.0000	-62.21	2.66	-59.55	-13.00	-46.55	peak	V
6	693.0000	-78.21	9.97	-68.24	-13.00	-55.24	peak	V
7	2980.000	-71.72	20.08	-51.64	-13.00	-38.64	peak	V
8	5356.000	-74.20	27.63	-46.57	-13.00	-33.57	peak	V
9	7780.000	-73.60	30.71	-42.89	-13.00	-29.89	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	1.4 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	848.3 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-68.77	-1.60	-70.37	-13.00	-57.37	peak	H
2	196.0000	-66.02	-0.73	-66.75	-13.00	-53.75	peak	H
3	308.0000	-68.05	-1.79	-69.84	-13.00	-56.84	peak	H
4	363.0000	-71.12	0.16	-70.96	-13.00	-57.96	peak	H
5	495.0000	-73.32	6.67	-66.65	-13.00	-53.65	peak	H
6	660.0000	-79.03	7.16	-71.87	-13.00	-58.87	peak	H
7	3040.000	-71.23	17.85	-53.38	-13.00	-40.38	peak	H
8	5428.000	-73.90	25.73	-48.17	-13.00	-35.17	peak	H
9	7948.000	-74.79	33.68	-41.11	-13.00	-28.11	peak	H
1	135.0000	-64.36	11.65	-52.71	-13.00	-39.71	peak	V
2	165.0000	-62.96	7.96	-55.00	-13.00	-42.00	peak	V
3	297.0000	-64.48	2.44	-62.04	-13.00	-49.04	peak	V
4	363.0000	-57.53	2.31	-55.22	-13.00	-42.22	peak	V
5	495.0000	-62.01	2.66	-59.35	-13.00	-46.35	peak	V
6	660.0000	-75.91	9.39	-66.52	-13.00	-53.52	peak	V
7	2896.000	-71.49	19.48	-52.01	-13.00	-39.01	peak	V
8	5248.000	-72.94	27.47	-45.47	-13.00	-32.47	peak	V
9	7780.000	-72.61	30.71	-41.90	-13.00	-28.90	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	825.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-67.09	-1.60	-68.69	-13.00	-55.69	peak	H
2	165.0000	-66.55	-2.44	-68.99	-13.00	-55.99	peak	H
3	196.0000	-69.63	-0.73	-70.36	-13.00	-57.36	peak	H
4	363.0000	-71.21	0.16	-71.05	-13.00	-58.05	peak	H
5	495.0000	-71.34	6.67	-64.67	-13.00	-51.67	peak	H
6	660.0000	-79.55	7.16	-72.39	-13.00	-59.39	peak	H
7	3484.000	-72.11	19.04	-53.07	-13.00	-40.07	peak	H
8	5380.000	-73.36	25.50	-47.86	-13.00	-34.86	peak	H
9	7792.000	-74.58	33.72	-40.86	-13.00	-27.86	peak	H
1	135.0000	-62.94	11.65	-51.29	-13.00	-38.29	peak	V
2	165.0000	-61.67	7.96	-53.71	-13.00	-40.71	peak	V
3	297.0000	-64.00	2.44	-61.56	-13.00	-48.56	peak	V
4	363.0000	-57.09	2.31	-54.78	-13.00	-41.78	peak	V
5	495.0000	-61.51	2.66	-58.85	-13.00	-45.85	peak	V
6	660.0000	-75.99	9.39	-66.60	-13.00	-53.60	peak	V
7	3076.000	-70.86	20.66	-50.20	-13.00	-37.20	peak	V
8	5344.000	-75.00	27.62	-47.38	-13.00	-34.38	peak	V
9	7780.000	-74.03	30.71	-43.32	-13.00	-30.32	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	60.5000	-73.88	4.34	-69.54	-13.00	-56.54	peak	H
2	165.0000	-66.21	-2.44	-68.65	-13.00	-55.65	peak	H
3	211.0000	-69.23	0.52	-68.71	-13.00	-55.71	peak	H
4	297.0000	-69.72	-2.66	-72.38	-13.00	-59.38	peak	H
5	363.0000	-70.99	0.16	-70.83	-13.00	-57.83	peak	H
6	495.0000	-70.84	6.67	-64.17	-13.00	-51.17	peak	H
7	3184.000	-70.21	18.23	-51.98	-13.00	-38.98	peak	H
8	5404.000	-73.27	25.62	-47.65	-13.00	-34.65	peak	H
9	7792.000	-74.26	33.72	-40.54	-13.00	-27.54	peak	H
1	134.5000	-65.42	11.93	-53.49	-13.00	-40.49	peak	V
2	165.0000	-61.91	7.96	-53.95	-13.00	-40.95	peak	V
3	297.0000	-63.77	2.44	-61.33	-13.00	-48.33	peak	V
4	363.0000	-56.97	2.31	-54.66	-13.00	-41.66	peak	V
5	495.0000	-61.47	2.66	-58.81	-13.00	-45.81	peak	V
6	693.0000	-79.02	9.97	-69.05	-13.00	-56.05	peak	V
7	2812.000	-71.26	18.88	-52.38	-13.00	-39.38	peak	V
8	5356.000	-72.53	27.63	-44.90	-13.00	-31.90	peak	V
9	7792.000	-73.03	30.69	-42.34	-13.00	-29.34	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	3 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	847.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-68.30	-1.60	-69.90	-13.00	-56.90	peak	H
2	165.0000	-66.78	-2.44	-69.22	-13.00	-56.22	peak	H
3	196.0000	-69.57	-0.73	-70.30	-13.00	-57.30	peak	H
4	297.0000	-70.45	-2.66	-73.11	-13.00	-60.11	peak	H
5	363.0000	-71.51	0.16	-71.35	-13.00	-58.35	peak	H
6	495.0000	-72.51	6.67	-65.84	-13.00	-52.84	peak	H
7	3172.000	-70.75	18.20	-52.55	-13.00	-39.55	peak	H
8	5488.000	-72.70	25.99	-46.71	-13.00	-33.71	peak	H
9	7648.000	-73.39	33.75	-39.64	-13.00	-26.64	peak	H
1	136.0000	-64.79	11.11	-53.68	-13.00	-40.68	peak	V
2	165.0000	-62.08	7.96	-54.12	-13.00	-41.12	peak	V
3	297.0000	-64.10	2.44	-61.66	-13.00	-48.66	peak	V
4	363.0000	-56.91	2.31	-54.60	-13.00	-41.60	peak	V
5	495.0000	-61.71	2.66	-59.05	-13.00	-46.05	peak	V
6	693.0000	-78.36	9.97	-68.39	-13.00	-55.39	peak	V
7	2980.000	-71.66	20.08	-51.58	-13.00	-38.58	peak	V
8	5332.000	-73.77	27.60	-46.17	-13.00	-33.17	peak	V
9	7756.000	-74.47	30.73	-43.74	-13.00	-30.74	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	826.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-68.55	-1.60	-70.15	-13.00	-57.15	peak	H
2	165.0000	-66.50	-2.44	-68.94	-13.00	-55.94	peak	H
3	308.0000	-72.32	-1.79	-74.11	-13.00	-61.11	peak	H
4	363.0000	-71.85	0.16	-71.69	-13.00	-58.69	peak	H
5	495.0000	-72.41	6.67	-65.74	-13.00	-52.74	peak	H
6	726.0000	-78.11	7.70	-70.41	-13.00	-57.41	peak	H
7	3172.000	-71.02	18.20	-52.82	-13.00	-39.82	peak	H
8	5356.000	-73.99	25.38	-48.61	-13.00	-35.61	peak	H
9	7792.000	-74.74	33.72	-41.02	-13.00	-28.02	peak	H
1	134.5000	-64.10	11.93	-52.17	-13.00	-39.17	peak	V
2	165.0000	-62.64	7.96	-54.68	-13.00	-41.68	peak	V
3	297.0000	-63.96	2.44	-61.52	-13.00	-48.52	peak	V
4	363.0000	-57.22	2.31	-54.91	-13.00	-41.91	peak	V
5	495.0000	-61.57	2.66	-58.91	-13.00	-45.91	peak	V
6	693.0000	-77.92	9.97	-67.95	-13.00	-54.95	peak	V
7	3052.000	-71.12	20.53	-50.59	-13.00	-37.59	peak	V
8	5392.000	-74.27	27.69	-46.58	-13.00	-33.58	peak	V
9	7804.000	-74.09	30.67	-43.42	-13.00	-30.42	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-67.73	-1.60	-69.33	-13.00	-56.33	peak	H
2	165.0000	-66.33	-2.44	-68.77	-13.00	-55.77	peak	H
3	297.0000	-69.70	-2.66	-72.36	-13.00	-59.36	peak	H
4	363.0000	-71.07	0.16	-70.91	-13.00	-57.91	peak	H
5	495.0000	-71.77	6.67	-65.10	-13.00	-52.10	peak	H
6	726.0000	-78.44	7.70	-70.74	-13.00	-57.74	peak	H
7	3052.000	-71.15	17.88	-53.27	-13.00	-40.27	peak	H
8	5488.000	-73.38	25.99	-47.39	-13.00	-34.39	peak	H
9	7804.000	-74.17	33.71	-40.46	-13.00	-27.46	peak	H
1	134.5000	-63.10	11.93	-51.17	-13.00	-38.17	peak	V
2	165.0000	-62.37	7.96	-54.41	-13.00	-41.41	peak	V
3	297.0000	-63.52	2.44	-61.08	-13.00	-48.08	peak	V
4	363.0000	-56.94	2.31	-54.63	-13.00	-41.63	peak	V
5	495.0000	-61.45	2.66	-58.79	-13.00	-45.79	peak	V
6	660.0000	-74.77	9.39	-65.38	-13.00	-52.38	peak	V
7	3028.000	-71.25	20.39	-50.86	-13.00	-37.86	peak	V
8	5380.000	-74.50	27.67	-46.83	-13.00	-33.83	peak	V
9	7792.000	-74.74	30.69	-44.05	-13.00	-31.05	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	846.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-67.04	-1.60	-68.64	-13.00	-55.64	peak	H
2	165.0000	-66.74	-2.44	-69.18	-13.00	-56.18	peak	H
3	297.0000	-69.75	-2.66	-72.41	-13.00	-59.41	peak	H
4	363.0000	-72.19	0.16	-72.03	-13.00	-59.03	peak	H
5	495.0000	-71.71	6.67	-65.04	-13.00	-52.04	peak	H
6	726.0000	-78.23	7.70	-70.53	-13.00	-57.53	peak	H
7	3100.000	-70.00	18.01	-51.99	-13.00	-38.99	peak	H
8	5428.000	-72.87	25.73	-47.14	-13.00	-34.14	peak	H
9	7876.000	-72.95	33.70	-39.25	-13.00	-26.25	peak	H
1	130.5000	-66.67	14.10	-52.57	-13.00	-39.57	peak	V
2	165.0000	-62.79	7.96	-54.83	-13.00	-41.83	peak	V
3	297.0000	-63.69	2.44	-61.25	-13.00	-48.25	peak	V
4	363.0000	-57.08	2.31	-54.77	-13.00	-41.77	peak	V
5	495.0000	-61.49	2.66	-58.83	-13.00	-45.83	peak	V
6	660.0000	-76.68	9.39	-67.29	-13.00	-54.29	peak	V
7	3040.000	-72.78	20.46	-52.32	-13.00	-39.32	peak	V
8	5296.000	-74.13	27.54	-46.59	-13.00	-33.59	peak	V
9	7780.000	-74.10	30.71	-43.39	-13.00	-30.39	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	829.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-68.02	-1.60	-69.62	-13.00	-56.62	peak	H
2	165.0000	-66.76	-2.44	-69.20	-13.00	-56.20	peak	H
3	297.0000	-70.04	-2.66	-72.70	-13.00	-59.70	peak	H
4	363.0000	-71.33	0.16	-71.17	-13.00	-58.17	peak	H
5	495.0000	-71.79	6.67	-65.12	-13.00	-52.12	peak	H
6	726.0000	-79.46	7.70	-71.76	-13.00	-58.76	peak	H
7	3184.000	-70.89	18.23	-52.66	-13.00	-39.66	peak	H
8	5356.000	-74.99	25.38	-49.61	-13.00	-36.61	peak	H
9	7744.000	-73.06	33.73	-39.33	-13.00	-26.33	peak	H
1	135.0000	-64.56	11.65	-52.91	-13.00	-39.91	peak	V
2	165.0000	-62.37	7.96	-54.41	-13.00	-41.41	peak	V
3	297.0000	-63.85	2.44	-61.41	-13.00	-48.41	peak	V
4	363.0000	-57.25	2.31	-54.94	-13.00	-41.94	peak	V
5	495.0000	-61.55	2.66	-58.89	-13.00	-45.89	peak	V
6	693.0000	-79.25	9.97	-69.28	-13.00	-56.28	peak	V
7	2932.000	-71.26	19.74	-51.52	-13.00	-38.52	peak	V
8	5344.000	-74.49	27.62	-46.87	-13.00	-33.87	peak	V
9	7708.000	-71.68	30.80	-40.88	-13.00	-27.88	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	836.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	88.0000	-67.52	-0.68	-68.20	-13.00	-55.20	peak	H
2	165.0000	-66.26	-2.44	-68.70	-13.00	-55.70	peak	H
3	297.0000	-69.90	-2.66	-72.56	-13.00	-59.56	peak	H
4	363.0000	-71.25	0.16	-71.09	-13.00	-58.09	peak	H
5	495.0000	-71.68	6.67	-65.01	-13.00	-52.01	peak	H
6	660.0000	-79.16	7.16	-72.00	-13.00	-59.00	peak	H
7	2956.000	-71.73	17.62	-54.11	-13.00	-41.11	peak	H
8	5296.000	-74.75	25.11	-49.64	-13.00	-36.64	peak	H
9	7900.000	-73.27	33.69	-39.58	-13.00	-26.58	peak	H
1	127.5000	-66.26	11.89	-54.37	-13.00	-41.37	peak	V
2	165.0000	-62.84	7.96	-54.88	-13.00	-41.88	peak	V
3	297.0000	-63.48	2.44	-61.04	-13.00	-48.04	peak	V
4	363.0000	-57.24	2.31	-54.93	-13.00	-41.93	peak	V
5	495.0000	-61.35	2.66	-58.69	-13.00	-45.69	peak	V
6	660.0000	-76.39	9.39	-67.00	-13.00	-54.00	peak	V
7	2764.000	-71.95	18.53	-53.42	-13.00	-40.42	peak	V
8	5344.000	-74.22	27.62	-46.60	-13.00	-33.60	peak	V
9	7792.000	-73.80	30.69	-43.11	-13.00	-30.11	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 5	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	844.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-65.25	-2.10	-67.35	-13.00	-54.35	peak	H
2	165.0000	-66.64	-2.44	-69.08	-13.00	-56.08	peak	H
3	297.0000	-69.43	-2.66	-72.09	-13.00	-59.09	peak	H
4	363.0000	-71.75	0.16	-71.59	-13.00	-58.59	peak	H
5	495.0000	-71.58	6.67	-64.91	-13.00	-51.91	peak	H
6	660.0000	-79.97	7.16	-72.81	-13.00	-59.81	peak	H
7	2812.000	-71.68	17.28	-54.40	-13.00	-41.40	peak	H
8	5332.000	-74.73	25.28	-49.45	-13.00	-36.45	peak	H
9	7852.000	-72.48	33.70	-38.78	-13.00	-25.78	peak	H
1	135.5000	-63.30	11.39	-51.91	-13.00	-38.91	peak	V
2	165.0000	-62.35	7.96	-54.39	-13.00	-41.39	peak	V
3	297.0000	-63.86	2.44	-61.42	-13.00	-48.42	peak	V
4	363.0000	-57.15	2.31	-54.84	-13.00	-41.84	peak	V
5	495.0000	-61.54	2.66	-58.88	-13.00	-45.88	peak	V
6	693.0000	-77.66	9.97	-67.69	-13.00	-54.69	peak	V
7	2884.000	-72.07	19.39	-52.68	-13.00	-39.68	peak	V
8	5344.000	-73.83	27.62	-46.21	-13.00	-33.21	peak	V
9	7804.000	-74.28	30.67	-43.61	-13.00	-30.61	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	706.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	99.0000	-67.60	-1.60	-69.20	-13.00	-56.20	peak	H
2	165.0000	-67.06	-2.44	-69.50	-13.00	-56.50	peak	H
3	297.0000	-69.85	-2.66	-72.51	-13.00	-59.51	peak	H
4	363.0000	-71.95	0.16	-71.79	-13.00	-58.79	peak	H
5	495.0000	-72.42	6.67	-65.75	-13.00	-52.75	peak	H
6	627.5000	-83.87	7.37	-76.50	-13.00	-63.50	peak	H
7	2896.000	-70.93	17.47	-53.46	-13.00	-40.46	peak	H
8	5380.000	-74.28	25.50	-48.78	-13.00	-35.78	peak	H
9	7948.000	-75.51	33.68	-41.83	-13.00	-28.83	peak	H
1	130.5000	-66.52	14.10	-52.42	-13.00	-39.42	peak	V
2	165.0000	-61.44	7.96	-53.48	-13.00	-40.48	peak	V
3	297.0000	-63.57	2.44	-61.13	-13.00	-48.13	peak	V
4	363.0000	-56.73	2.31	-54.42	-13.00	-41.42	peak	V
5	495.0000	-61.47	2.66	-58.81	-13.00	-45.81	peak	V
6	693.0000	-78.71	9.97	-68.74	-13.00	-55.74	peak	V
7	2956.000	-72.19	19.90	-52.29	-13.00	-39.29	peak	V
8	5332.000	-74.30	27.60	-46.70	-13.00	-33.70	peak	V
9	7804.000	-74.22	30.67	-43.55	-13.00	-30.55	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	710.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	88.0000	-67.12	-0.68	-67.80	-13.00	-54.80	peak	H
2	165.0000	-66.31	-2.44	-68.75	-13.00	-55.75	peak	H
3	196.0000	-69.89	-0.73	-70.62	-13.00	-57.62	peak	H
4	308.0000	-70.64	-1.79	-72.43	-13.00	-59.43	peak	H
5	495.0000	-71.83	6.67	-65.16	-13.00	-52.16	peak	H
6	660.0000	-79.33	7.16	-72.17	-13.00	-59.17	peak	H
7	3124.000	-69.68	18.08	-51.60	-13.00	-38.60	peak	H
8	5404.000	-73.96	25.62	-48.34	-13.00	-35.34	peak	H
9	7948.000	-74.61	33.68	-40.93	-13.00	-27.93	peak	H
1	135.0000	-64.70	11.65	-53.05	-13.00	-40.05	peak	V
2	165.0000	-62.65	7.96	-54.69	-13.00	-41.69	peak	V
3	297.0000	-63.85	2.44	-61.41	-13.00	-48.41	peak	V
4	363.0000	-57.09	2.31	-54.78	-13.00	-41.78	peak	V
5	495.0000	-61.32	2.66	-58.66	-13.00	-45.66	peak	V
6	693.0000	-77.14	9.97	-67.17	-13.00	-54.17	peak	V
7	3040.000	-72.04	20.46	-51.58	-13.00	-38.58	peak	V
8	5344.000	-74.71	27.62	-47.09	-13.00	-34.09	peak	V
9	7708.000	-74.01	30.80	-43.21	-13.00	-30.21	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	713.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	72.5000	-62.93	-2.40	-65.33	-13.00	-52.33	peak	H
2	165.0000	-66.00	-2.44	-68.44	-13.00	-55.44	peak	H
3	297.0000	-69.33	-2.66	-71.99	-13.00	-58.99	peak	H
4	363.0000	-71.59	0.16	-71.43	-13.00	-58.43	peak	H
5	495.0000	-71.17	6.67	-64.50	-13.00	-51.50	peak	H
6	660.0000	-79.00	7.16	-71.84	-13.00	-58.84	peak	H
7	3376.000	-71.57	18.74	-52.83	-13.00	-39.83	peak	H
8	5392.000	-74.03	25.55	-48.48	-13.00	-35.48	peak	H
9	7876.000	-72.25	33.70	-38.55	-13.00	-25.55	peak	H
1	130.5000	-66.52	14.10	-52.42	-13.00	-39.42	peak	V
2	165.0000	-61.44	7.96	-53.48	-13.00	-40.48	peak	V
3	297.0000	-63.57	2.44	-61.13	-13.00	-48.13	peak	V
4	363.0000	-56.73	2.31	-54.42	-13.00	-41.42	peak	V
5	495.0000	-61.47	2.66	-58.81	-13.00	-45.81	peak	V
6	693.0000	-78.71	9.97	-68.74	-13.00	-55.74	peak	V
7	2956.000	-72.19	19.90	-52.29	-13.00	-39.29	peak	V
8	5332.000	-74.30	27.60	-46.70	-13.00	-33.70	peak	V
9	7804.000	-74.22	30.67	-43.55	-13.00	-30.55	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	709.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	134.5000	-64.27	11.93	-52.34	-13.00	-39.34	peak	H
2	165.0000	-62.62	7.96	-54.66	-13.00	-41.66	peak	H
3	297.0000	-64.25	2.44	-61.81	-13.00	-48.81	peak	H
4	363.0000	-57.27	2.31	-54.96	-13.00	-41.96	peak	H
5	495.0000	-61.48	2.66	-58.82	-13.00	-45.82	peak	H
6	645.0000	-81.87	8.81	-73.06	-13.00	-60.06	peak	H
7	2944.000	-72.23	19.82	-52.41	-13.00	-39.41	peak	H
8	5260.000	-74.38	27.49	-46.89	-13.00	-33.89	peak	H
9	7660.000	-73.56	30.86	-42.70	-13.00	-29.70	peak	H
1	70.0000	-64.24	-2.03	-66.27	-13.00	-53.27	peak	V
2	165.0000	-66.36	-2.44	-68.80	-13.00	-55.80	peak	V
3	210.5000	-72.06	0.58	-71.48	-13.00	-58.48	peak	V
4	363.0000	-72.06	0.16	-71.90	-13.00	-58.90	peak	V
5	495.0000	-70.54	6.67	-63.87	-13.00	-50.87	peak	V
6	612.5000	-83.43	7.80	-75.63	-13.00	-62.63	peak	V
7	2908.000	-71.13	17.51	-53.62	-13.00	-40.62	peak	V
8	5404.000	-73.99	25.62	-48.37	-13.00	-35.37	peak	V
9	7756.000	-74.45	33.72	-40.73	-13.00	-27.73	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	710.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	136.0000	-62.75	11.11	-51.64	-13.00	-38.64	peak	H
2	155.0000	-61.73	10.09	-51.64	-13.00	-38.64	peak	H
3	297.0000	-63.90	2.44	-61.46	-13.00	-48.46	peak	H
4	363.0000	-56.90	2.31	-54.59	-13.00	-41.59	peak	H
5	495.0000	-61.33	2.66	-58.67	-13.00	-45.67	peak	H
6	660.0000	-77.10	9.39	-67.71	-13.00	-54.71	peak	H
7	2896.000	-71.00	19.48	-51.52	-13.00	-38.52	peak	H
8	5296.000	-74.09	27.54	-46.55	-13.00	-33.55	peak	H
9	7756.000	-72.81	30.73	-42.08	-13.00	-29.08	peak	H
1	69.5000	-62.76	-1.69	-64.45	-13.00	-51.45	peak	V
2	165.0000	-66.19	-2.44	-68.63	-13.00	-55.63	peak	V
3	213.0000	-67.84	0.29	-67.55	-13.00	-54.55	peak	V
4	363.0000	-71.50	0.16	-71.34	-13.00	-58.34	peak	V
5	528.0000	-78.10	7.89	-70.21	-13.00	-57.21	peak	V
6	660.0000	-79.72	7.16	-72.56	-13.00	-59.56	peak	V
7	2752.000	-70.13	17.12	-53.01	-13.00	-40.01	peak	V
8	5404.000	-74.28	25.62	-48.66	-13.00	-35.66	peak	V
9	7612.000	-74.30	33.77	-40.53	-13.00	-27.53	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	QPSK		
Frequency:	711.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	130.0000	-65.55	14.37	-51.18	-13.00	-38.18	peak	H
2	165.0000	-62.56	7.96	-54.60	-13.00	-41.60	peak	H
3	297.0000	-63.88	2.44	-61.44	-13.00	-48.44	peak	H
4	363.0000	-56.96	2.31	-54.65	-13.00	-41.65	peak	H
5	495.0000	-61.54	2.66	-58.88	-13.00	-45.88	peak	H
6	660.0000	-76.75	9.39	-67.36	-13.00	-54.36	peak	H
7	3076.000	-70.56	20.66	-49.90	-13.00	-36.90	peak	H
8	5260.000	-73.83	27.49	-46.34	-13.00	-33.34	peak	H
9	7792.000	-74.39	30.69	-43.70	-13.00	-30.70	peak	H
1	85.0000	-66.65	-1.73	-68.38	-13.00	-55.38	peak	V
2	165.0000	-66.47	-2.44	-68.91	-13.00	-55.91	peak	V
3	211.0000	-67.80	0.52	-67.28	-13.00	-54.28	peak	V
4	363.0000	-72.38	0.16	-72.22	-13.00	-59.22	peak	V
5	495.0000	-71.44	6.67	-64.77	-13.00	-51.77	peak	V
6	660.0000	-81.18	7.16	-74.02	-13.00	-61.02	peak	V
7	3004.000	-70.93	17.74	-53.19	-13.00	-40.19	peak	V
8	5404.000	-74.38	25.62	-48.76	-13.00	-35.76	peak	V
9	7804.000	-73.62	33.71	-39.91	-13.00	-26.91	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	706.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-64.01	-2.24	-66.25	-13.00	-53.25	peak	H
2	165.0000	-66.43	-2.44	-68.87	-13.00	-55.87	peak	H
3	211.0000	-68.57	0.52	-68.05	-13.00	-55.05	peak	H
4	297.0000	-69.47	-2.66	-72.13	-13.00	-59.13	peak	H
5	495.0000	-71.95	6.67	-65.28	-13.00	-52.28	peak	H
6	660.0000	-80.12	7.16	-72.96	-13.00	-59.96	peak	H
7	3184.000	-71.20	18.23	-52.97	-13.00	-39.97	peak	H
8	5392.000	-73.28	25.55	-47.73	-13.00	-34.73	peak	H
9	7828.000	-75.60	33.70	-41.90	-13.00	-28.90	peak	H
1	135.5000	-63.12	11.39	-51.73	-13.00	-38.73	peak	V
2	165.0000	-62.84	7.96	-54.88	-13.00	-41.88	peak	V
3	297.0000	-63.86	2.44	-61.42	-13.00	-48.42	peak	V
4	363.0000	-57.19	2.31	-54.88	-13.00	-41.88	peak	V
5	495.0000	-61.69	2.66	-59.03	-13.00	-46.03	peak	V
6	627.0000	-82.22	8.79	-73.43	-13.00	-60.43	peak	V
7	2860.000	-71.92	19.22	-52.70	-13.00	-39.70	peak	V
8	5344.000	-73.90	27.62	-46.28	-13.00	-33.28	peak	V
9	7636.000	-71.68	30.90	-40.78	-13.00	-27.78	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	710.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-64.37	-2.46	-66.83	-13.00	-53.83	peak	H
2	165.0000	-66.96	-2.44	-69.40	-13.00	-56.40	peak	H
3	363.0000	-71.36	0.16	-71.20	-13.00	-58.20	peak	H
4	495.0000	-71.40	6.67	-64.73	-13.00	-51.73	peak	H
5	575.0000	-81.17	7.65	-73.52	-13.00	-60.52	peak	H
6	660.0000	-79.88	7.16	-72.72	-13.00	-59.72	peak	H
7	2908.000	-70.95	17.51	-53.44	-13.00	-40.44	peak	H
8	5380.000	-74.51	25.50	-49.01	-13.00	-36.01	peak	H
9	7828.000	-74.77	33.70	-41.07	-13.00	-28.07	peak	H
1	135.5000	-62.97	11.39	-51.58	-13.00	-38.58	peak	V
2	165.0000	-62.31	7.96	-54.35	-13.00	-41.35	peak	V
3	297.0000	-63.67	2.44	-61.23	-13.00	-48.23	peak	V
4	363.0000	-57.29	2.31	-54.98	-13.00	-41.98	peak	V
5	495.0000	-61.40	2.66	-58.74	-13.00	-45.74	peak	V
6	651.5000	-83.11	9.07	-74.04	-13.00	-61.04	peak	V
7	3232.000	-70.45	21.56	-48.89	-13.00	-35.89	peak	V
8	5524.000	-73.48	27.84	-45.64	-13.00	-32.64	peak	V
9	7660.000	-73.84	30.86	-42.98	-13.00	-29.98	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	5 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	713.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.0000	-64.53	-2.75	-67.28	-13.00	-54.28	peak	H
2	165.0000	-66.48	-2.44	-68.92	-13.00	-55.92	peak	H
3	196.0000	-71.46	-0.73	-72.19	-13.00	-59.19	peak	H
4	363.0000	-70.71	0.16	-70.55	-13.00	-57.55	peak	H
5	495.0000	-71.26	6.67	-64.59	-13.00	-51.59	peak	H
6	627.0000	-82.59	7.39	-75.20	-13.00	-62.20	peak	H
7	2980.000	-71.09	17.68	-53.41	-13.00	-40.41	peak	H
8	5428.000	-74.04	25.73	-48.31	-13.00	-35.31	peak	H
9	7804.000	-74.46	33.71	-40.75	-13.00	-27.75	peak	H
1	134.5000	-63.74	11.93	-51.81	-13.00	-38.81	peak	V
2	165.0000	-62.90	7.96	-54.94	-13.00	-41.94	peak	V
3	297.0000	-63.72	2.44	-61.28	-13.00	-48.28	peak	V
4	363.0000	-57.11	2.31	-54.80	-13.00	-41.80	peak	V
5	495.0000	-61.58	2.66	-58.92	-13.00	-45.92	peak	V
6	693.0000	-77.99	9.97	-68.02	-13.00	-55.02	peak	V
7	2896.000	-70.72	19.48	-51.24	-13.00	-38.24	peak	V
8	5164.000	-74.13	27.36	-46.77	-13.00	-33.77	peak	V
9	7756.000	-72.19	30.73	-41.46	-13.00	-28.46	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	709.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	75.0000	-65.07	-2.75	-67.82	-13.00	-54.82	peak	H
2	165.0000	-66.52	-2.44	-68.96	-13.00	-55.96	peak	H
3	196.0000	-69.00	-0.73	-69.73	-13.00	-56.73	peak	H
4	297.0000	-68.95	-2.66	-71.61	-13.00	-58.61	peak	H
5	495.0000	-71.71	6.67	-65.04	-13.00	-52.04	peak	H
6	660.0000	-78.29	7.16	-71.13	-13.00	-58.13	peak	H
7	2908.000	-70.75	17.51	-53.24	-13.00	-40.24	peak	H
8	5332.000	-74.14	25.28	-48.86	-13.00	-35.86	peak	H
9	7804.000	-74.91	33.71	-41.20	-13.00	-28.20	peak	H
1	135.5000	-61.53	11.39	-50.14	-13.00	-37.14	peak	V
2	165.0000	-62.01	7.96	-54.05	-13.00	-41.05	peak	V
3	297.0000	-63.79	2.44	-61.35	-13.00	-48.35	peak	V
4	363.0000	-57.01	2.31	-54.70	-13.00	-41.70	peak	V
5	495.0000	-61.68	2.66	-59.02	-13.00	-46.02	peak	V
6	693.0000	-77.23	9.97	-67.26	-13.00	-54.26	peak	V
7	2860.000	-71.40	19.22	-52.18	-13.00	-39.18	peak	V
8	5164.000	-74.12	27.36	-46.76	-13.00	-33.76	peak	V
9	7708.000	-73.50	30.80	-42.70	-13.00	-29.70	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	710.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-65.60	-2.46	-68.06	-13.00	-55.06	peak	H
2	165.0000	-65.95	-2.44	-68.39	-13.00	-55.39	peak	H
3	211.0000	-68.47	0.52	-67.95	-13.00	-54.95	peak	H
4	308.0000	-72.15	-1.79	-73.94	-13.00	-60.94	peak	H
5	495.0000	-71.76	6.67	-65.09	-13.00	-52.09	peak	H
6	617.5000	-83.42	7.73	-75.69	-13.00	-62.69	peak	H
7	3184.000	-70.23	18.23	-52.00	-13.00	-39.00	peak	H
8	5380.000	-74.18	25.50	-48.68	-13.00	-35.68	peak	H
9	7780.000	-73.77	33.72	-40.05	-13.00	-27.05	peak	H
1	134.5000	-63.79	11.93	-51.86	-13.00	-38.86	peak	V
2	165.0000	-62.35	7.96	-54.39	-13.00	-41.39	peak	V
3	297.0000	-64.11	2.44	-61.67	-13.00	-48.67	peak	V
4	363.0000	-57.05	2.31	-54.74	-13.00	-41.74	peak	V
5	495.0000	-61.39	2.66	-58.73	-13.00	-45.73	peak	V
6	660.0000	-75.40	9.39	-66.01	-13.00	-53.01	peak	V
7	2908.000	-70.45	19.57	-50.88	-13.00	-37.88	peak	V
8	5248.000	-74.47	27.47	-47.00	-13.00	-34.00	peak	V
9	7828.000	-74.58	30.64	-43.94	-13.00	-30.94	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 781S	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Band:	LTE Band 17	Date:	08/29/2013
Channel Bandwidth:	10 MHz	Test By:	Fly Lu
Modulation Technology:	16QAM		
Frequency:	711.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	70.5000	-62.51	-2.10	-64.61	-13.00	-51.61	peak	H
2	165.0000	-66.24	-2.44	-68.68	-13.00	-55.68	peak	H
3	211.0000	-68.05	0.52	-67.53	-13.00	-54.53	peak	H
4	363.0000	-71.50	0.16	-71.34	-13.00	-58.34	peak	H
5	495.0000	-71.71	6.67	-65.04	-13.00	-52.04	peak	H
6	660.0000	-79.56	7.16	-72.40	-13.00	-59.40	peak	H
7	3520.000	-72.34	19.14	-53.20	-13.00	-40.20	peak	H
8	5488.000	-74.28	25.99	-48.29	-13.00	-35.29	peak	H
9	7888.000	-74.36	33.68	-40.68	-13.00	-27.68	peak	H
1	135.5000	-63.85	11.39	-52.46	-13.00	-39.46	peak	V
2	165.0000	-62.71	7.96	-54.75	-13.00	-41.75	peak	V
3	297.0000	-63.69	2.44	-61.25	-13.00	-48.25	peak	V
4	363.0000	-57.20	2.31	-54.89	-13.00	-41.89	peak	V
5	495.0000	-61.48	2.66	-58.82	-13.00	-45.82	peak	V
6	646.0000	-86.66	8.85	-77.81	-13.00	-64.81	peak	V
7	2980.000	-71.25	20.08	-51.17	-13.00	-38.17	peak	V
8	5440.000	-73.11	27.76	-45.35	-13.00	-32.35	peak	V
9	7936.000	-74.24	30.49	-43.75	-13.00	-30.75	peak	V