8 Conducted Spurious Emission and Radiation 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

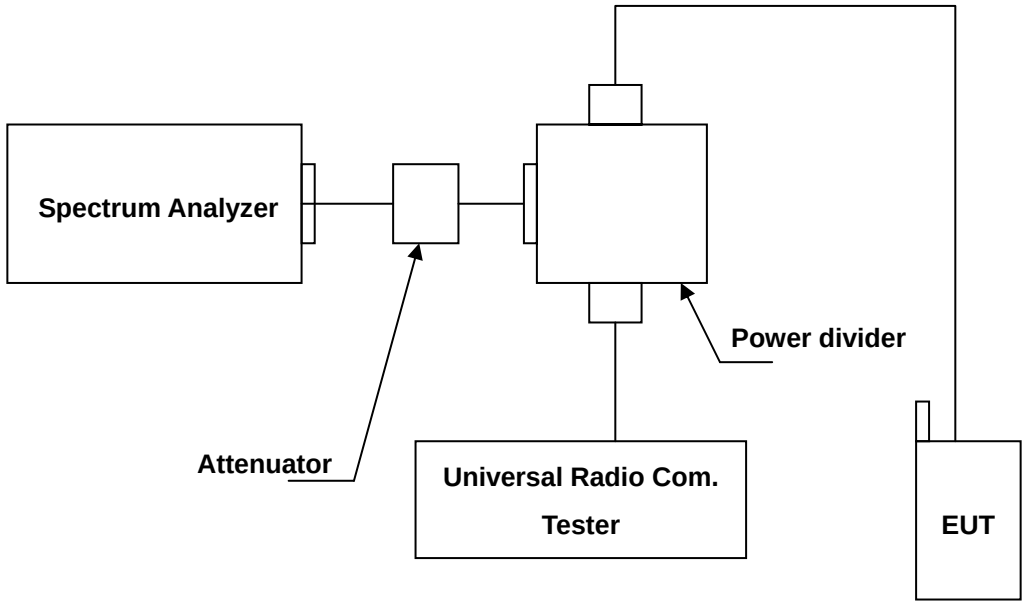
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE02	TE02	N.C.R.	-----

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

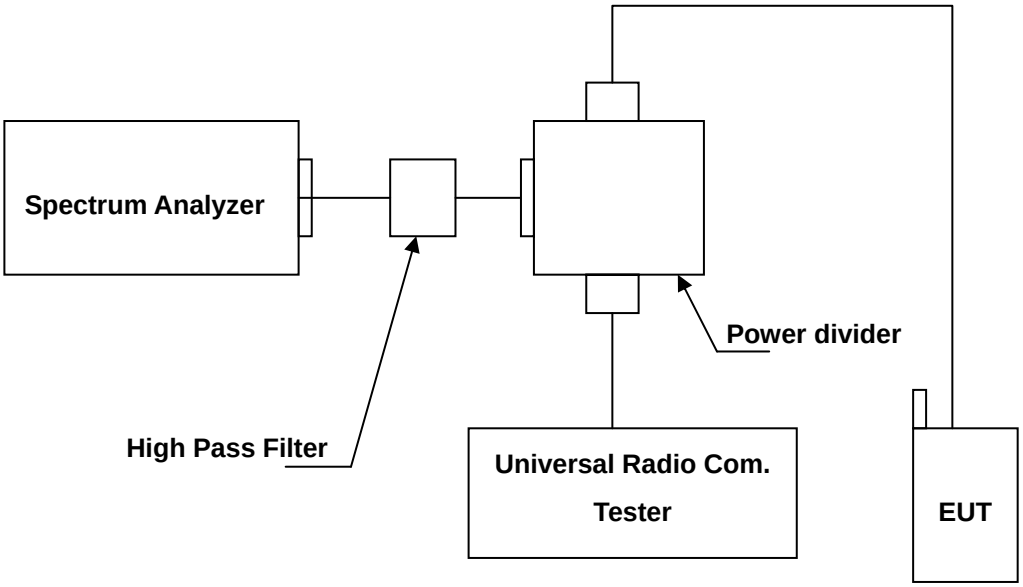
Note: N.C.R. = No Calibration Request.

8.3. Setup

Below 2.5GHz



Above 2.5GHz



8.4. Test Procedure

a. 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.).

b. The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

c. When the spectrum scanned from 10MHz to 2.5GHz, it shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.

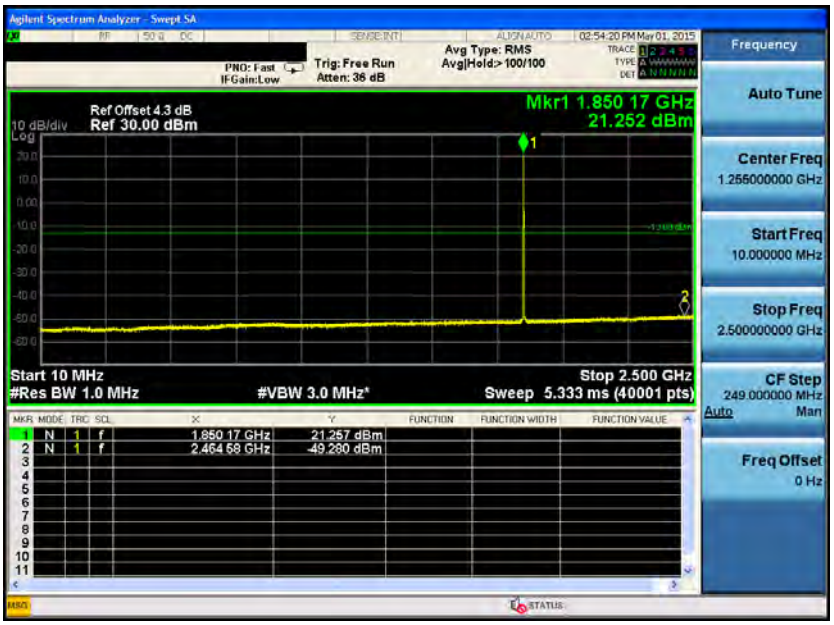
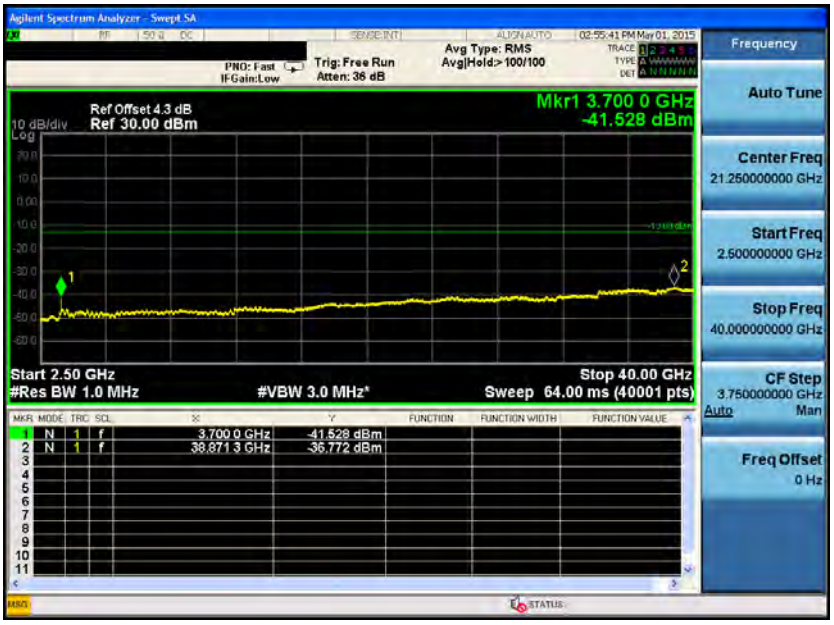
d. When the spectrum scanned from 3GHz to 10th harmonic, it shall be connected to the high pass filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=1MHz.

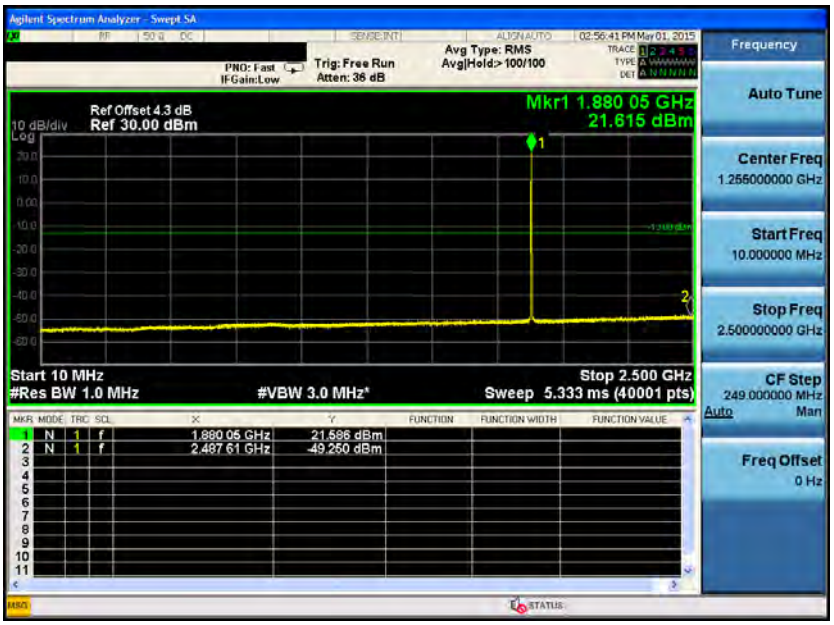
8.5. Uncertainty

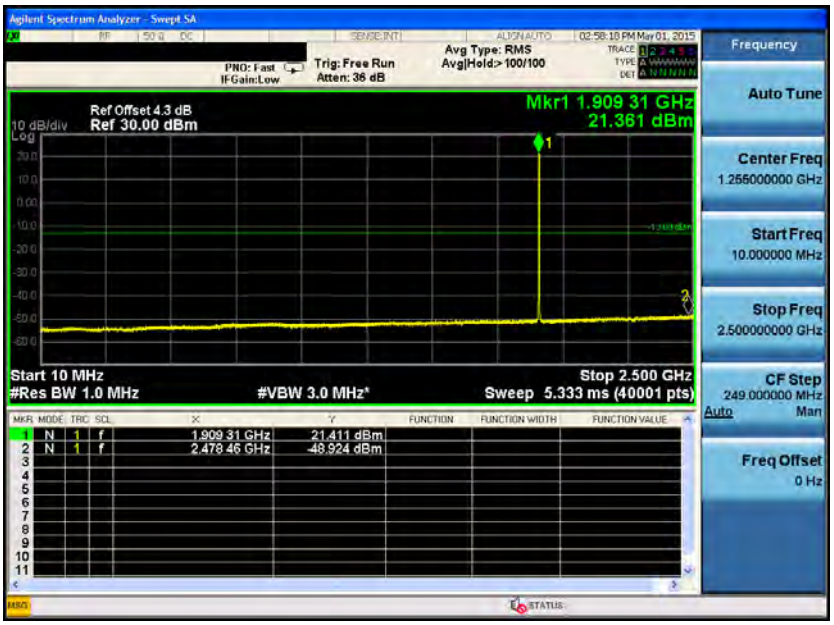
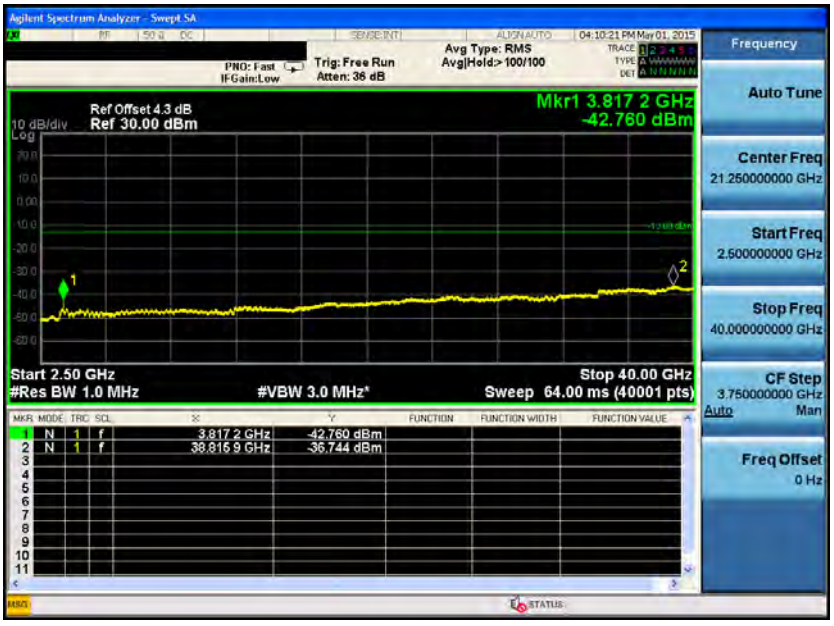
The measurement uncertainty is evaluated as ± 2.24 dB.

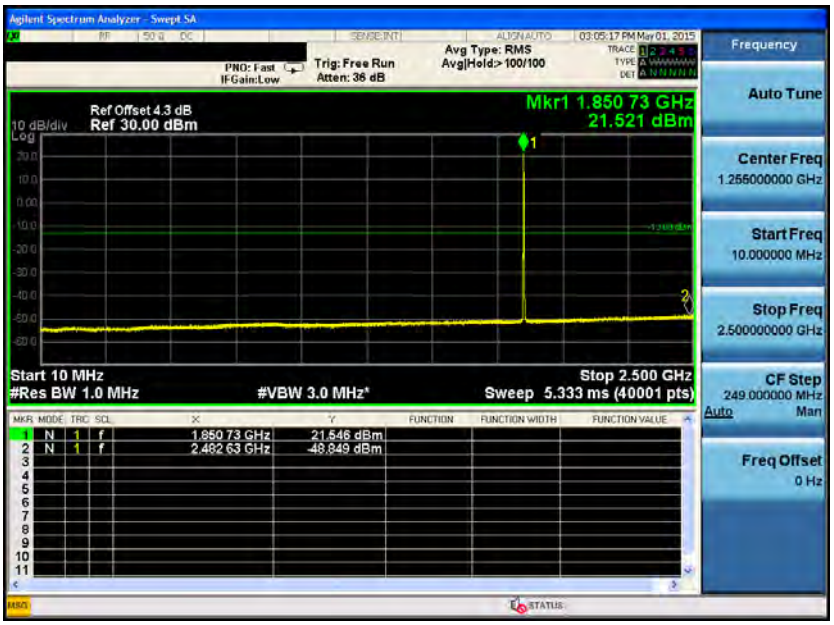
8.6. Test Graphs

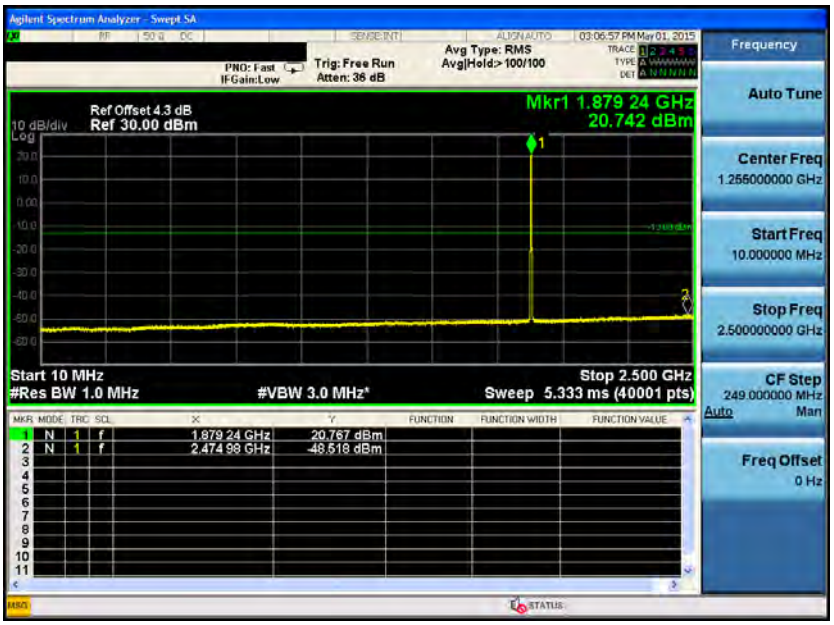
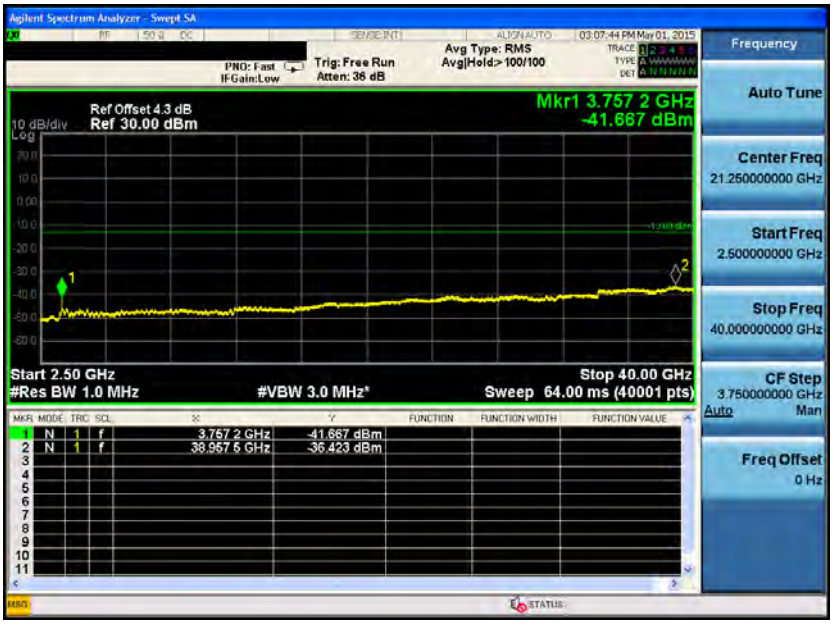
Conducted Spurious Emission

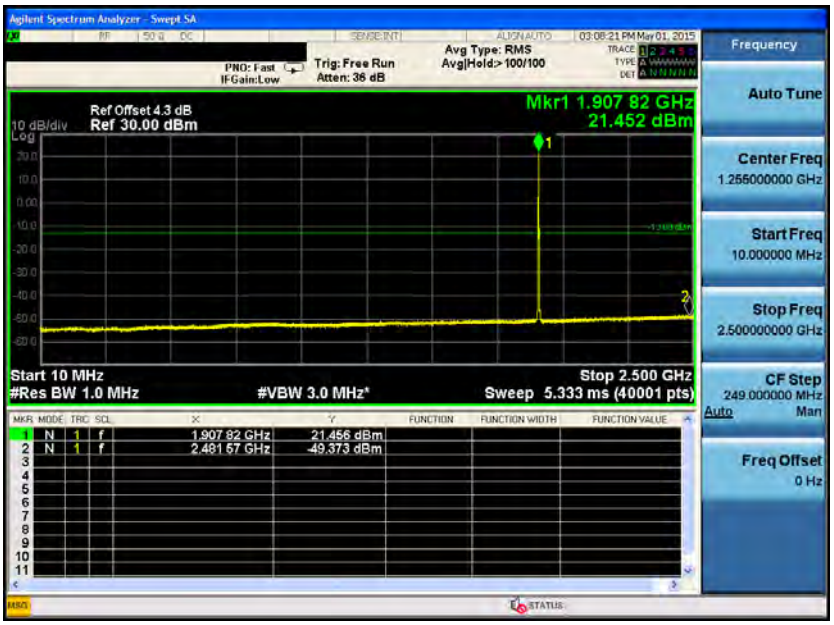
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1850.7 MHz	
	

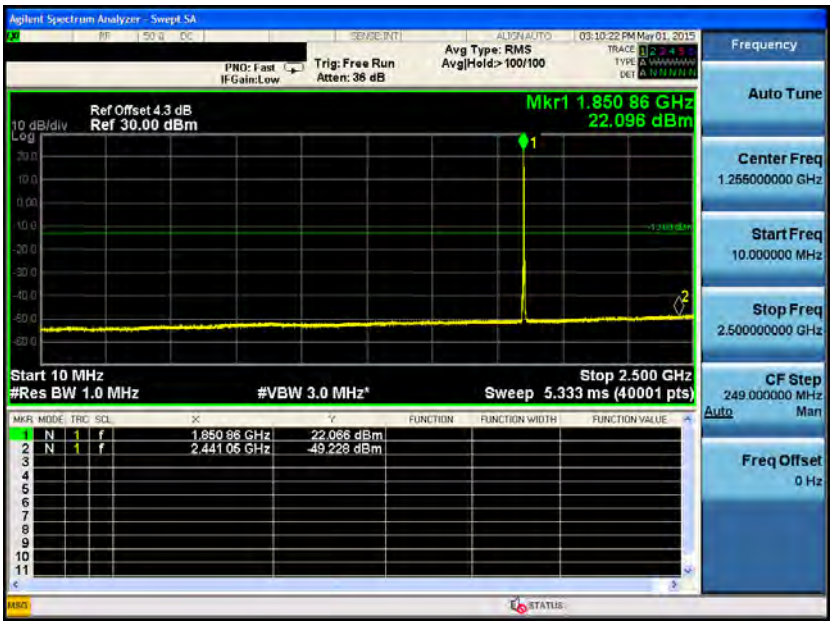
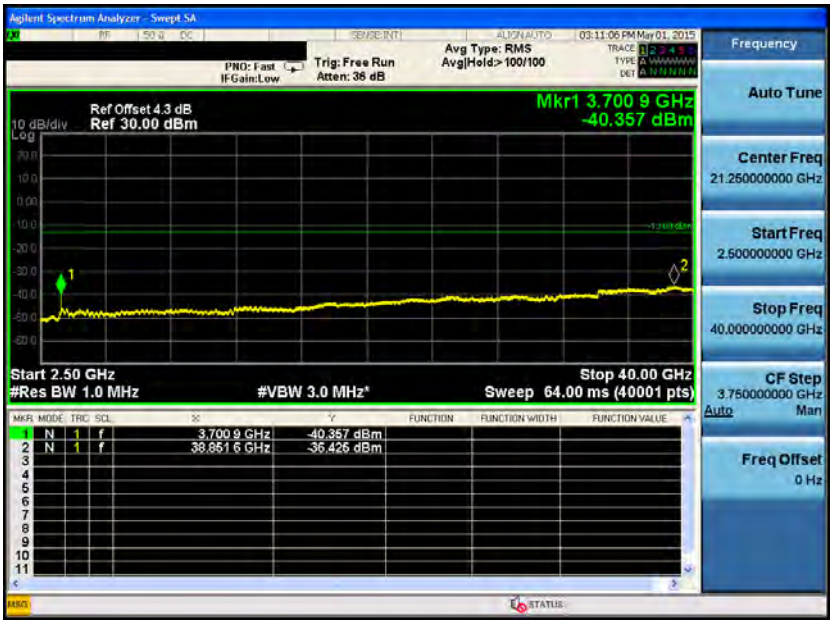
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1880.0 MHz	
	

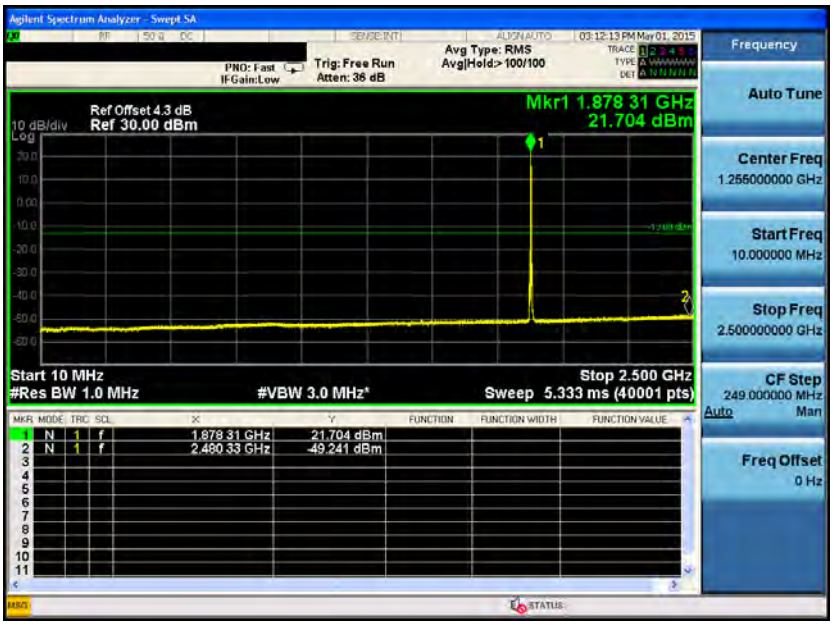
LTE Band 2 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1909.3 MHz	 

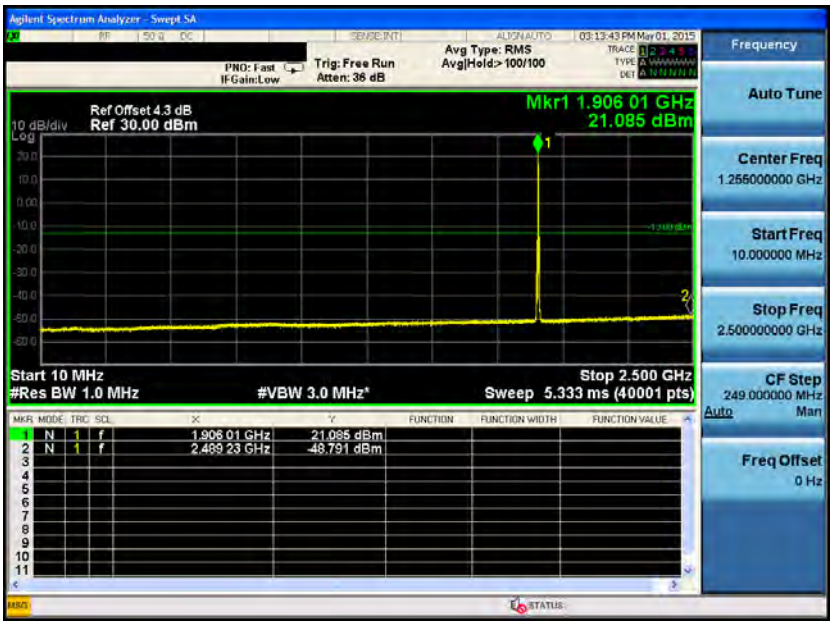
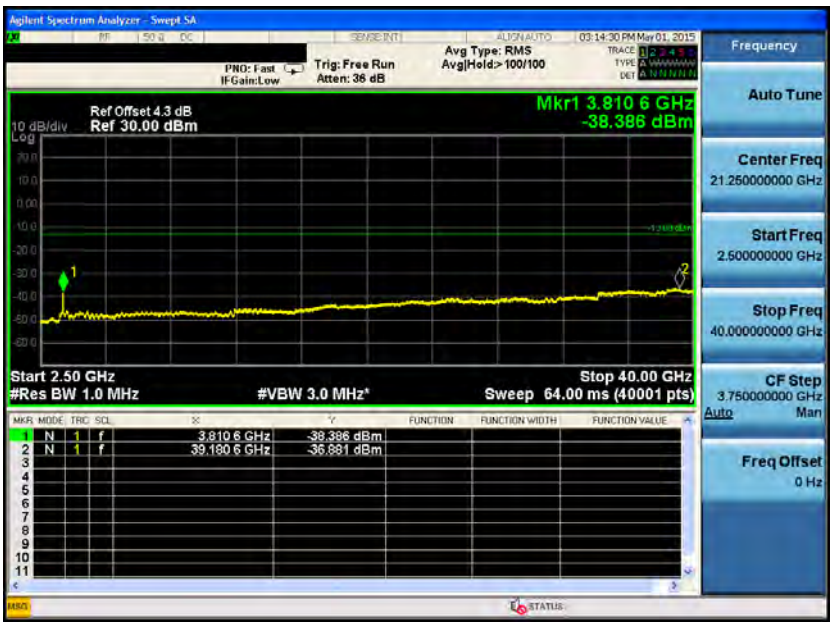
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1851.5 MHz	 

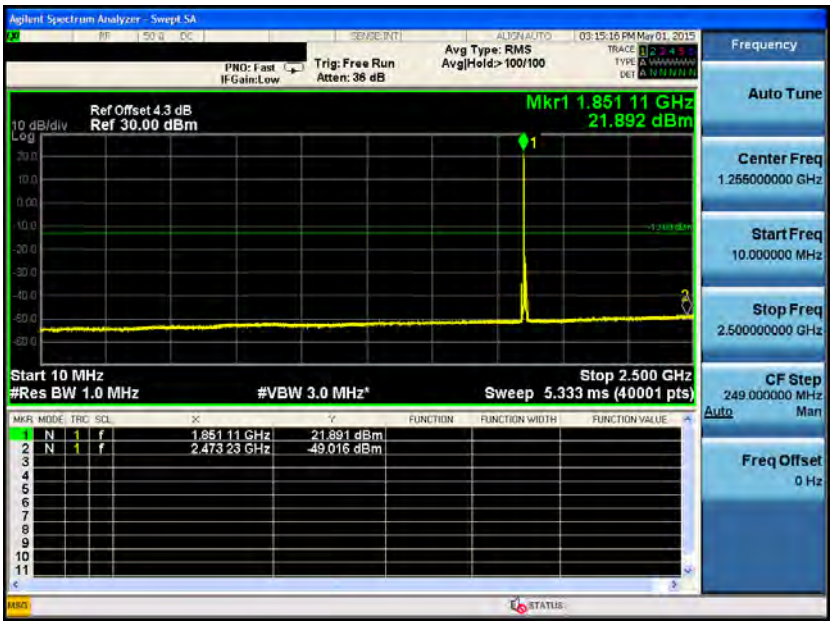
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1880.0 MHz	 

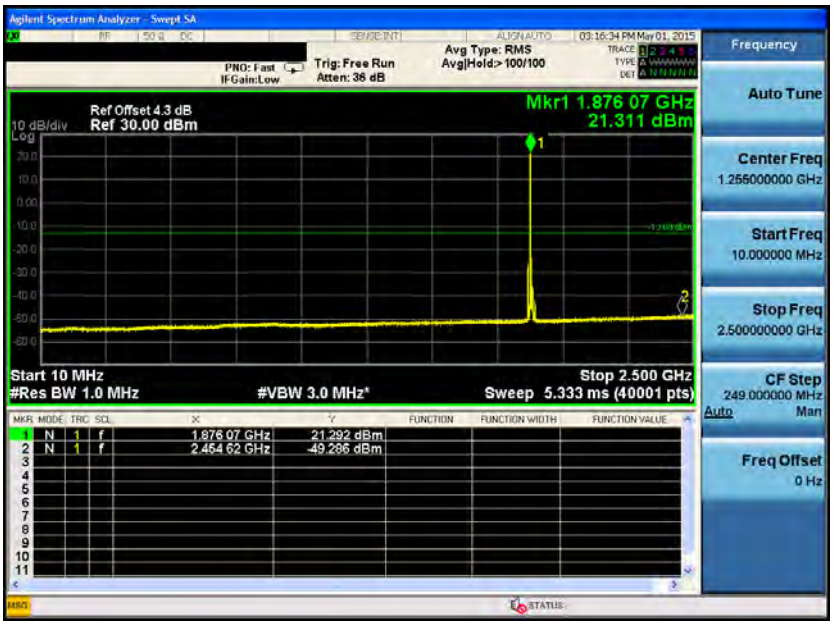
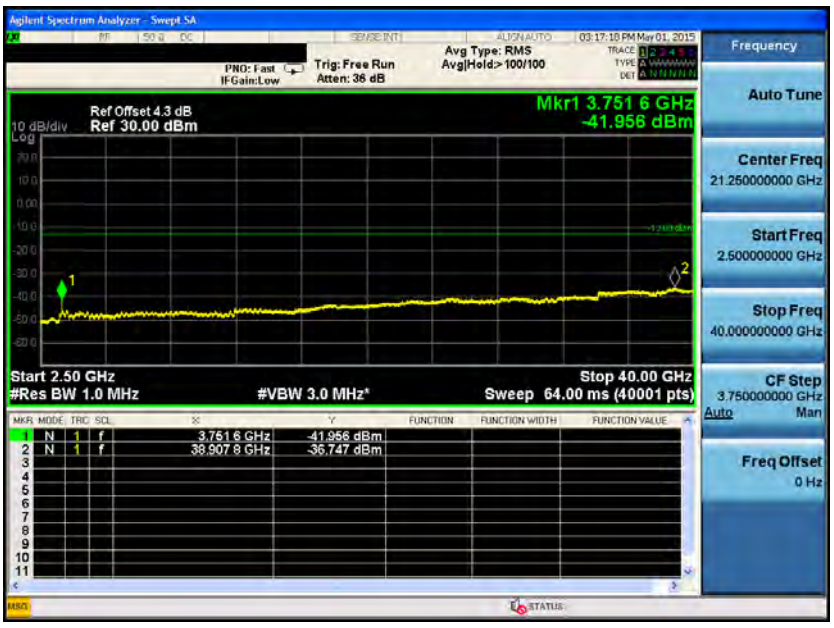
LTE Band 2 (Channel Bandwidth: 3 MHz) _ QPSK	
1908.5 MHz	 

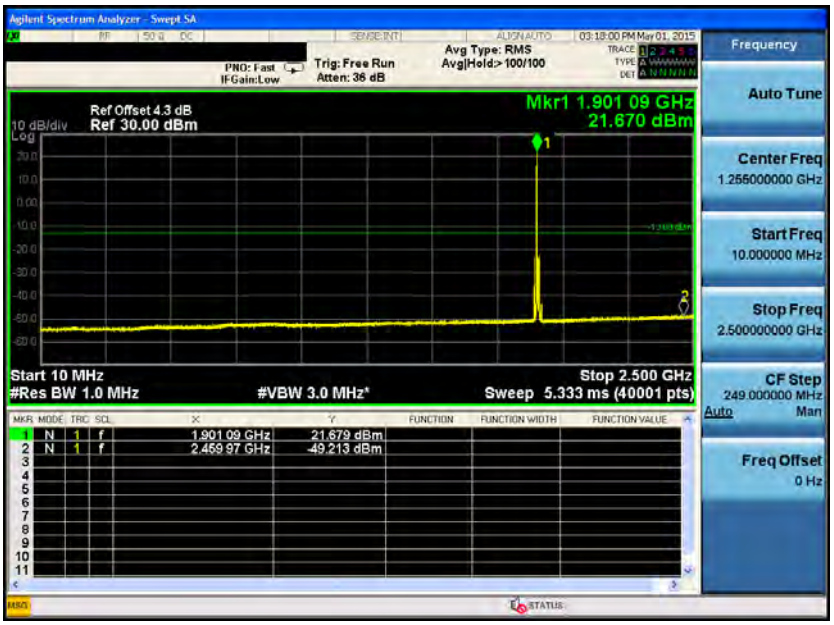
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1852.5 MHz	 

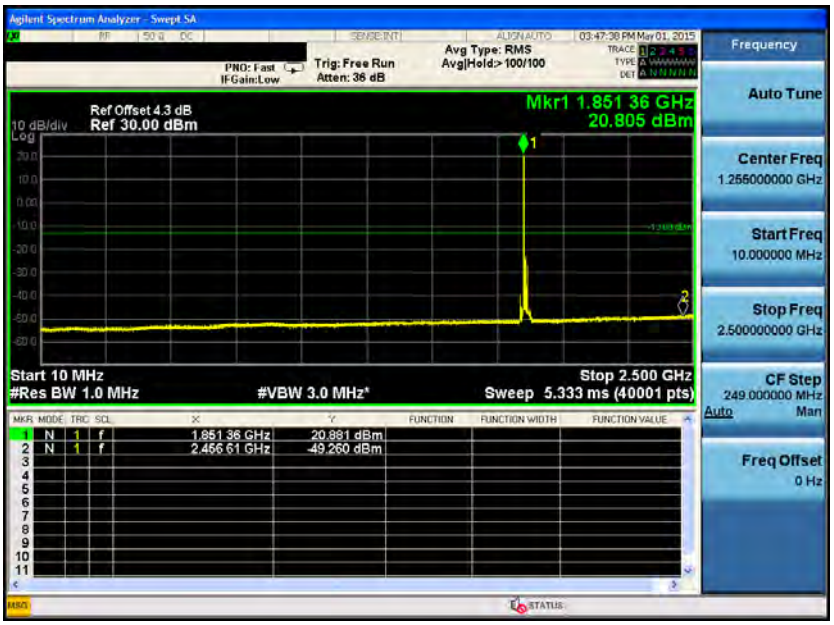
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1880.0 MHz	 

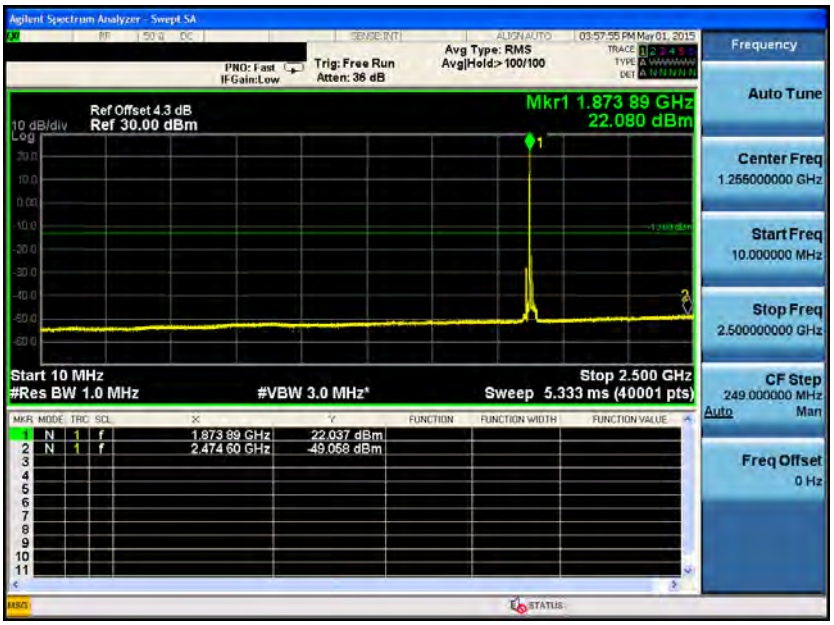
LTE Band 2 (Channel Bandwidth: 5 MHz) _ QPSK	
1907.5 MHz	 

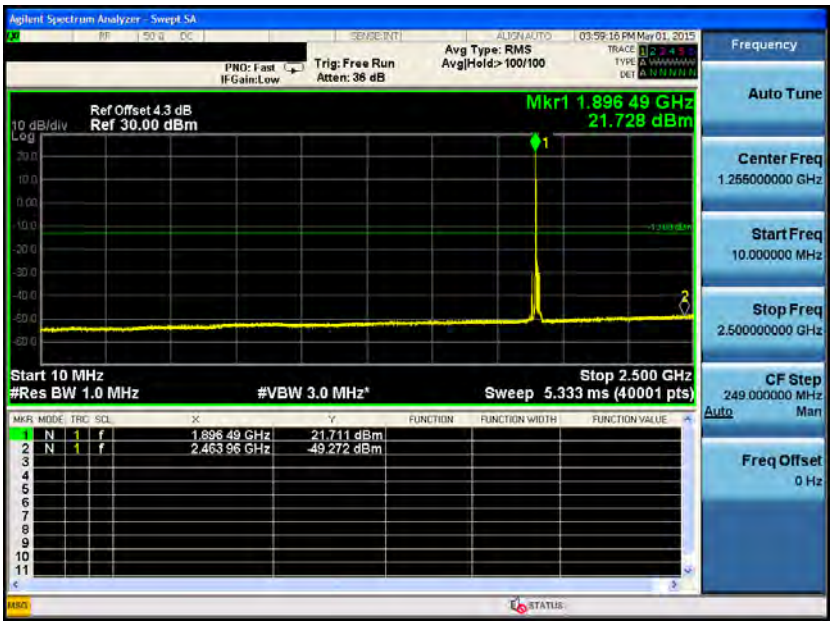
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1855.0 MHz	 

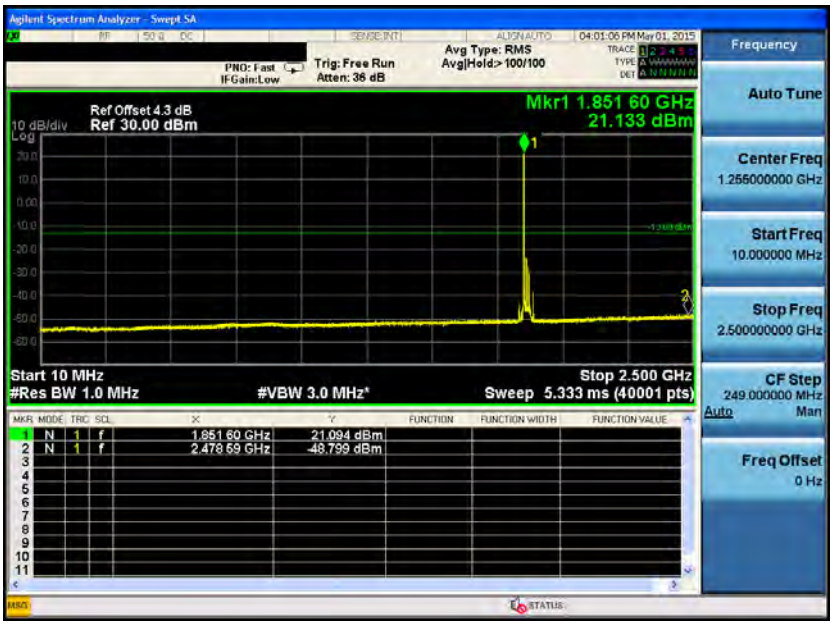
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1880.0 MHz	 

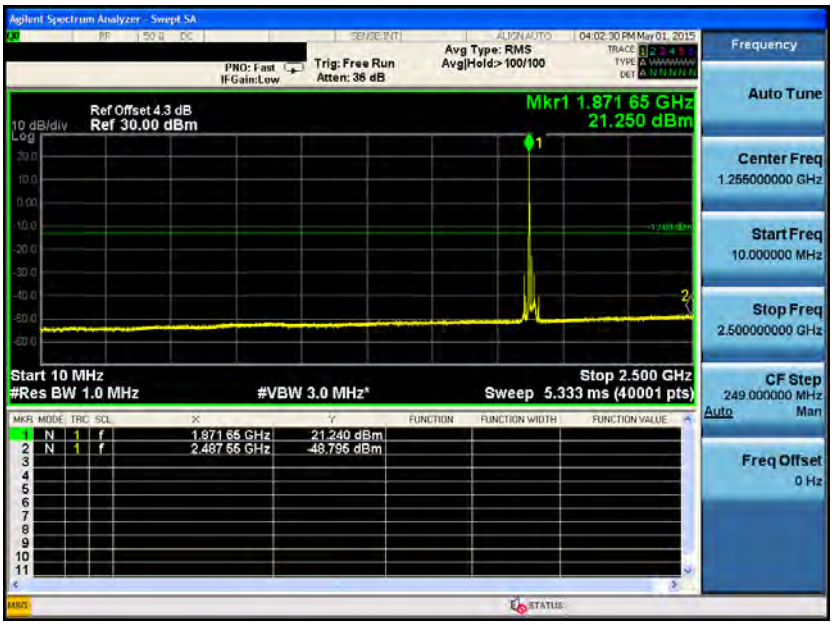
LTE Band 2 (Channel Bandwidth: 10 MHz) _ QPSK	
1905.0 MHz	 

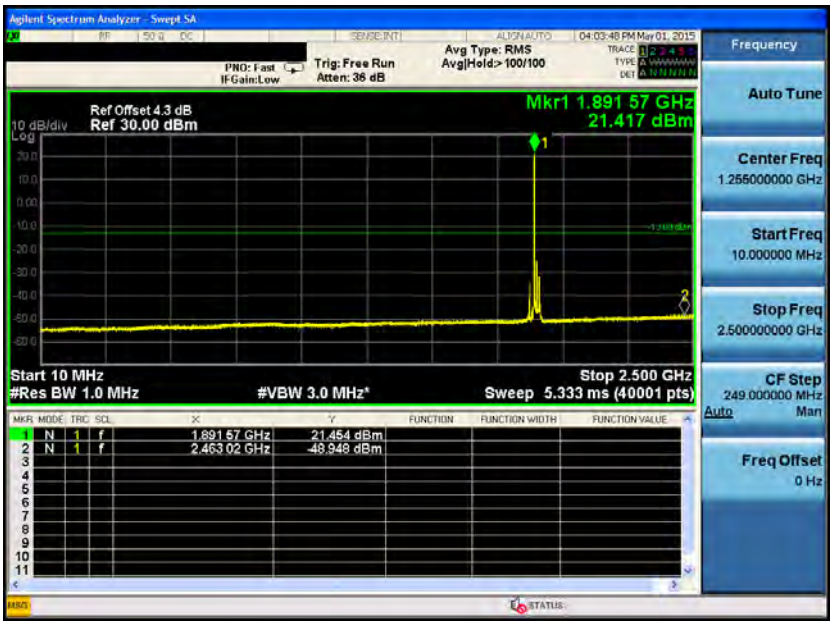
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1857.5 MHz	 

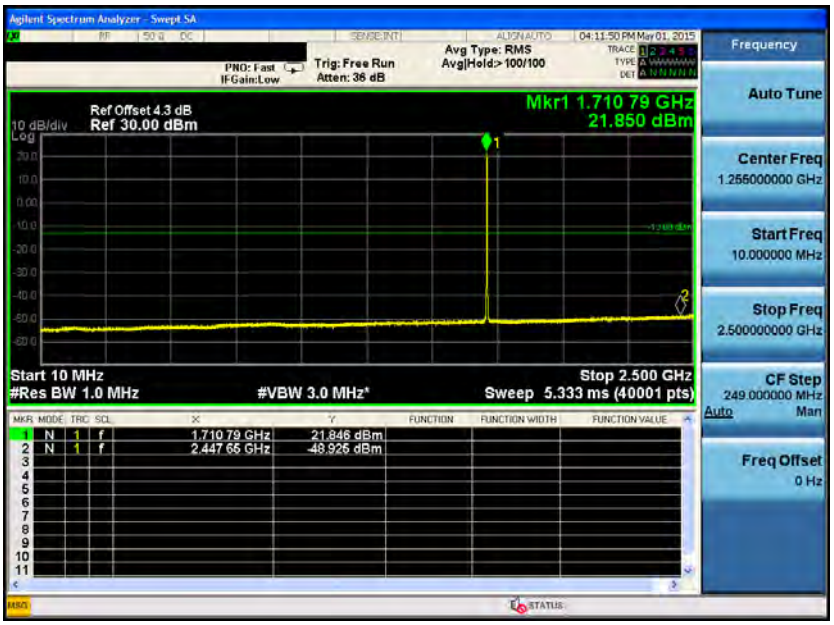
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1880.0 MHz	 

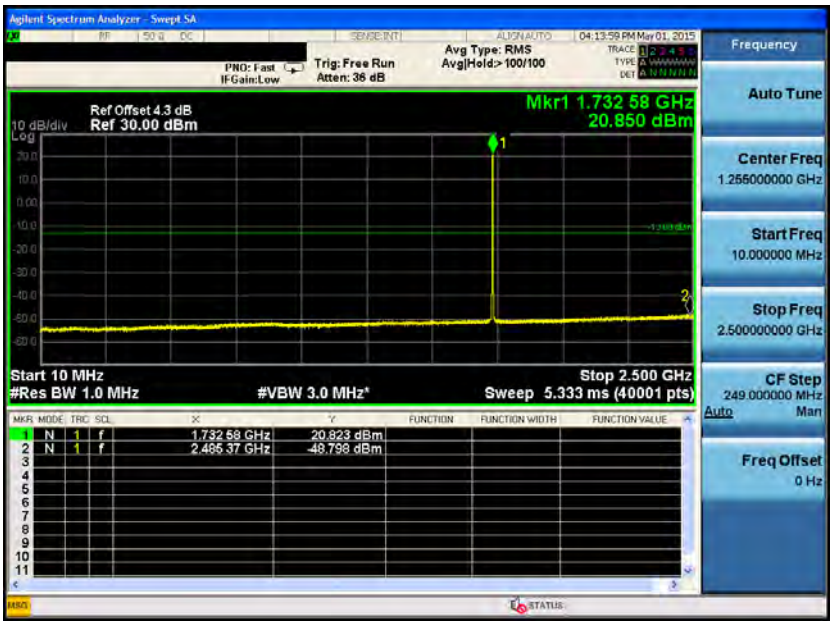
LTE Band 2 (Channel Bandwidth: 15 MHz) _ QPSK	
1902.5 MHz	 

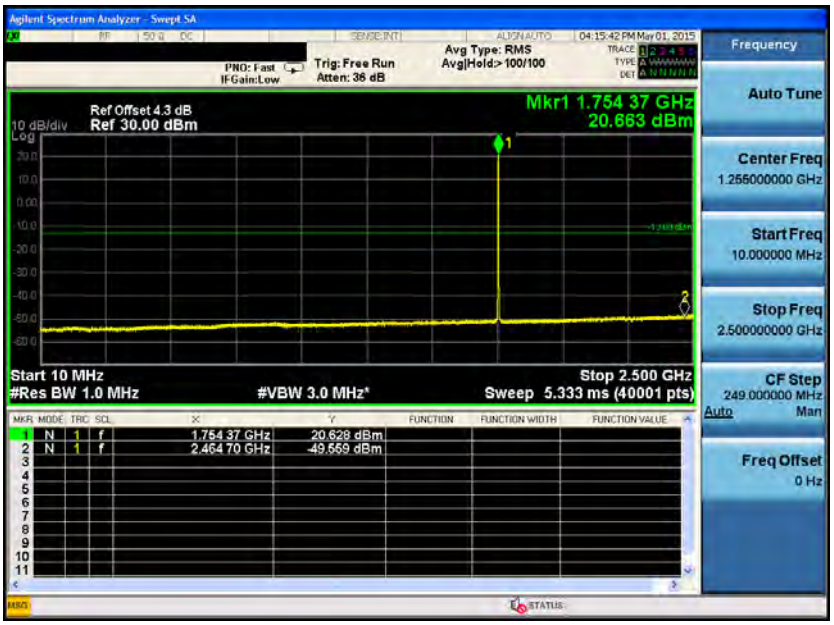
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1860.0 MHz	
	

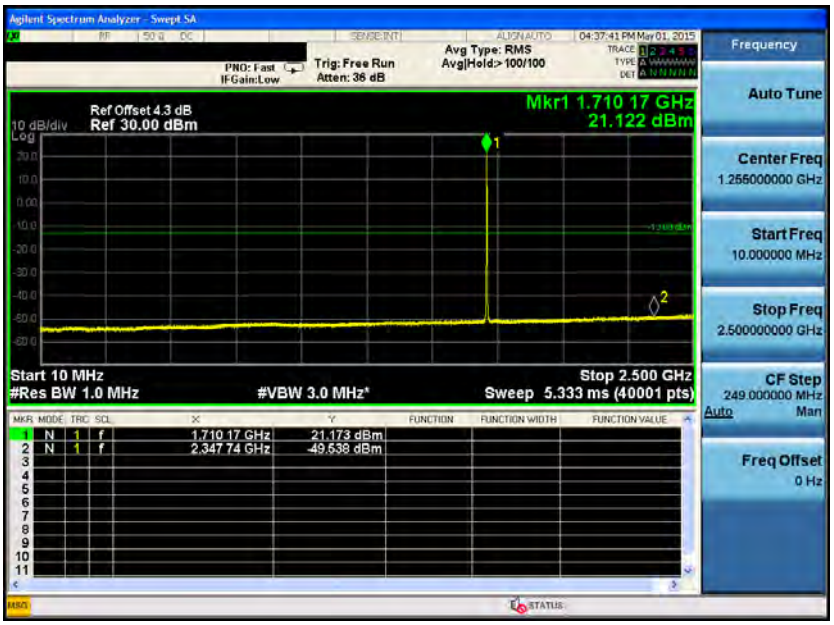
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1880.0 MHz	 

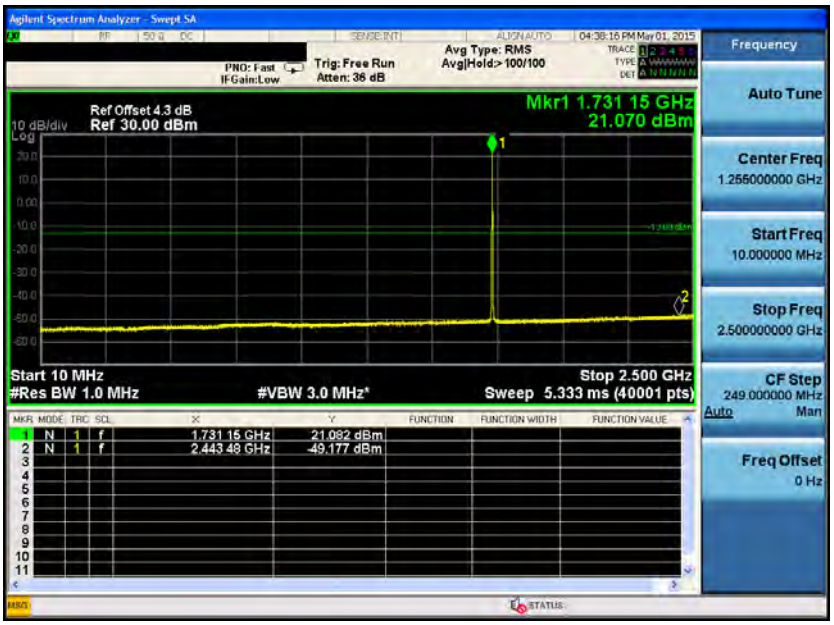
LTE Band 2 (Channel Bandwidth: 20 MHz) _ QPSK	
1900.0 MHz	 

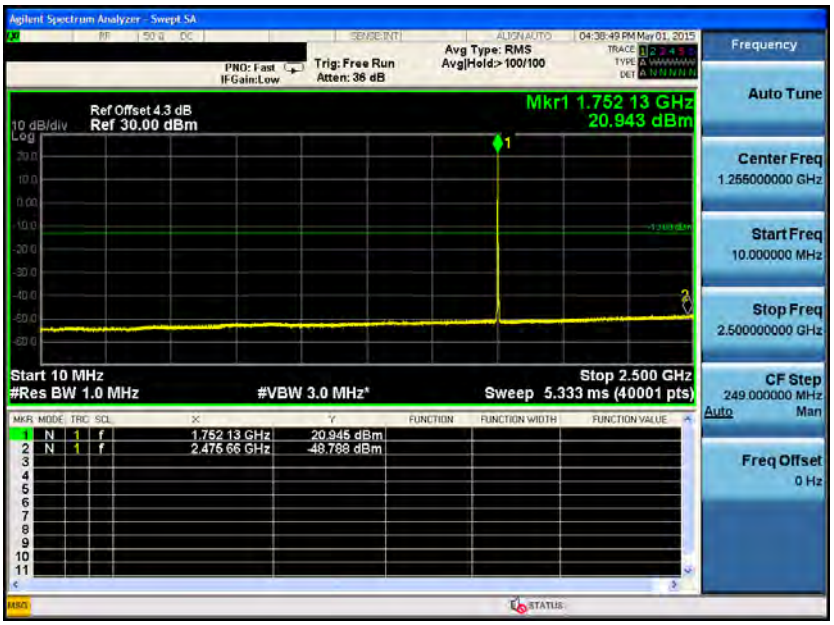
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1710.7 MHz	 

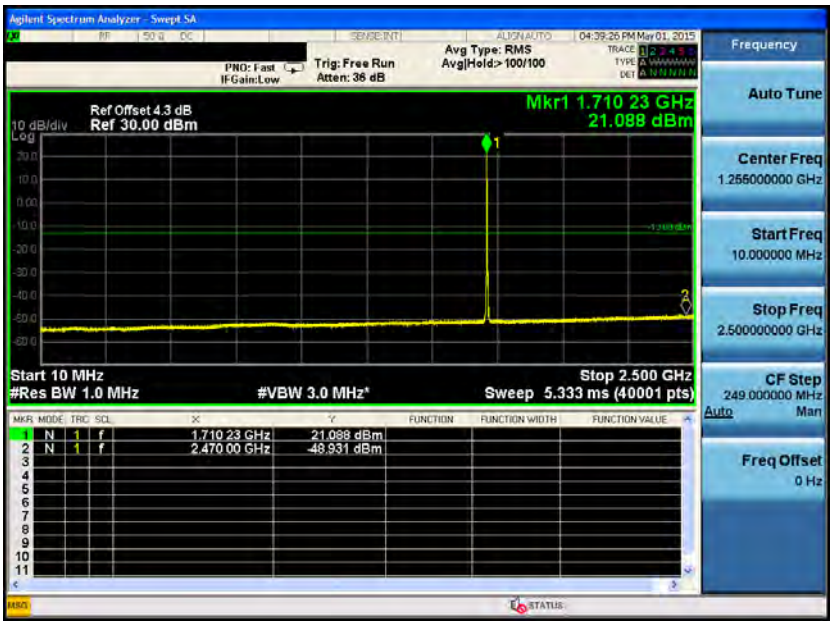
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1732.5 MHz	 

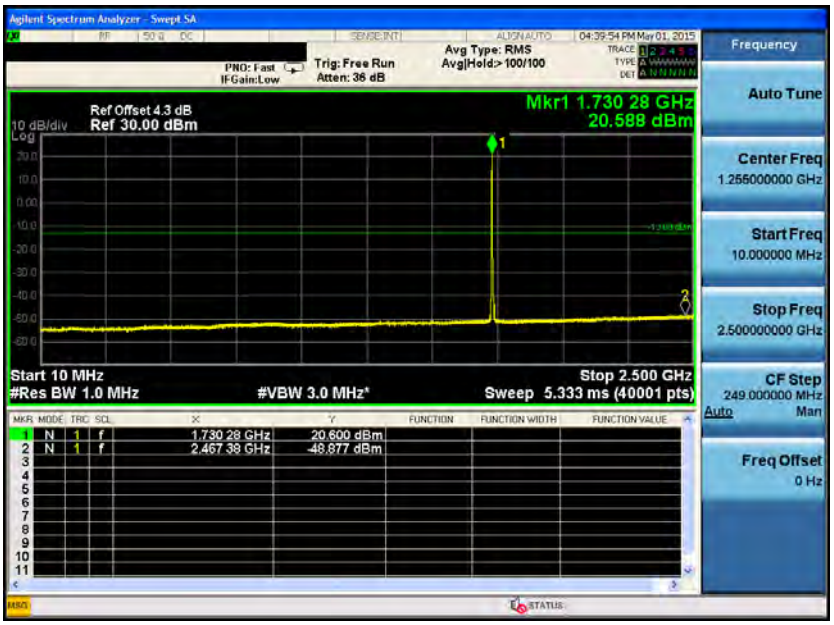
LTE Band 4 (Channel Bandwidth: 1.4 MHz) _ QPSK	
1754.3 MHz	 

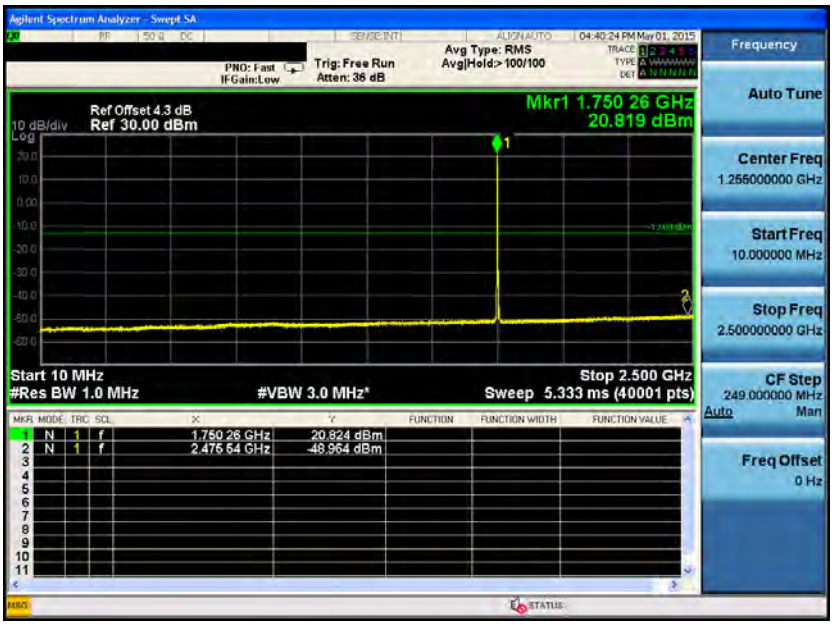
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1711.5 MHz	 

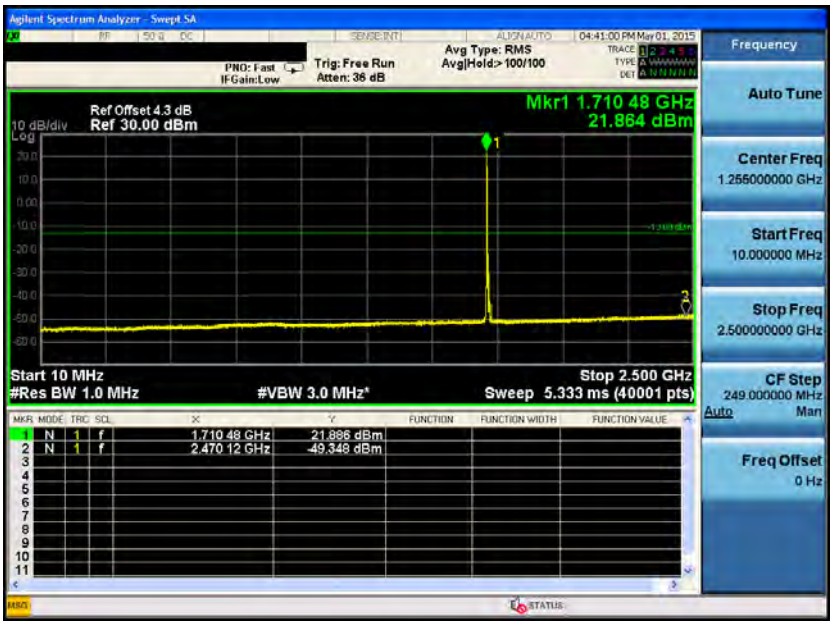
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1732.5 MHz	 

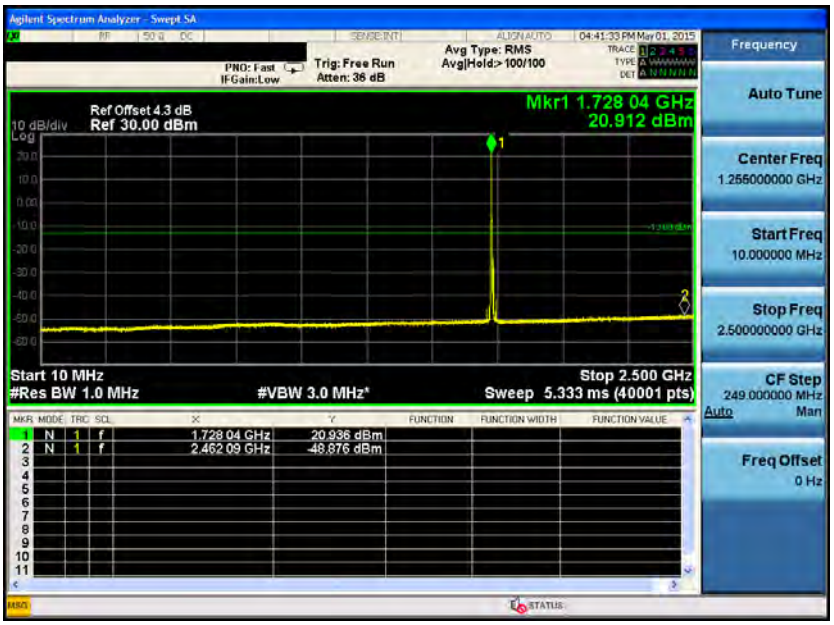
LTE Band 4 (Channel Bandwidth: 3 MHz) _ QPSK	
1753.5 MHz	 

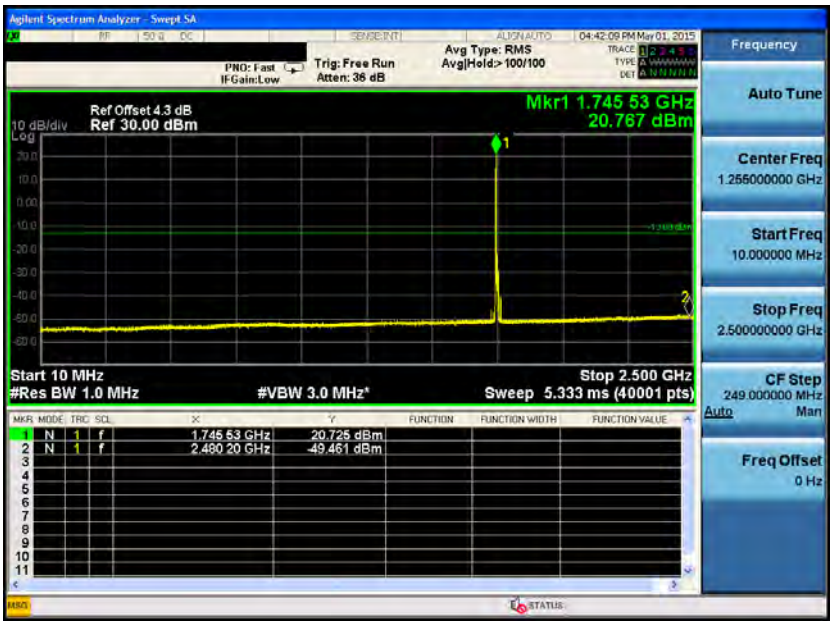
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1712.5 MHz	 

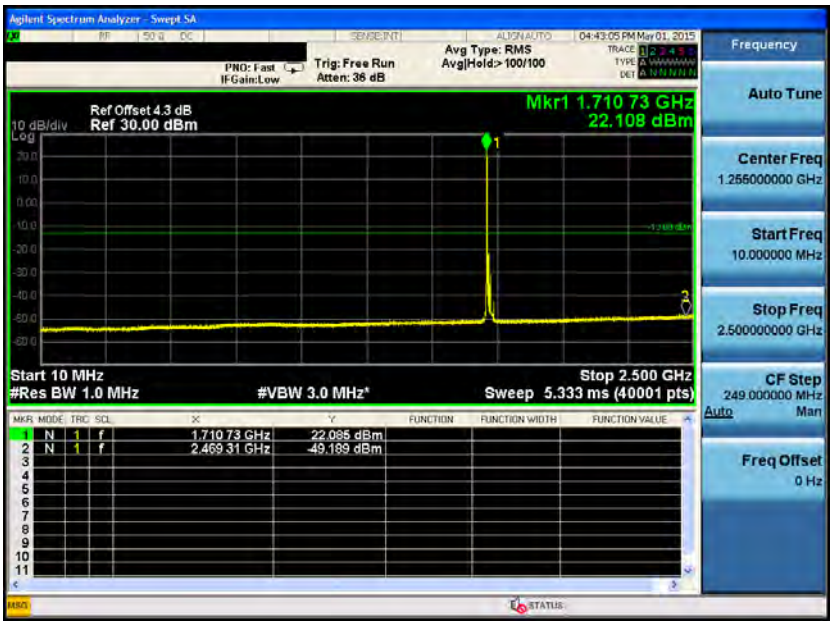
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1732.5 MHz	 

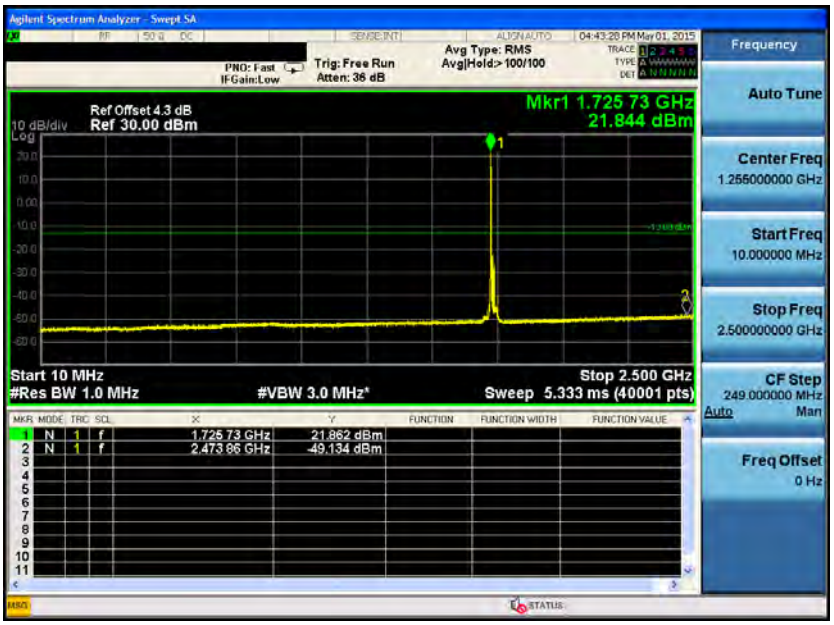
LTE Band 4 (Channel Bandwidth: 5 MHz) _ QPSK	
1752.5 MHz	 

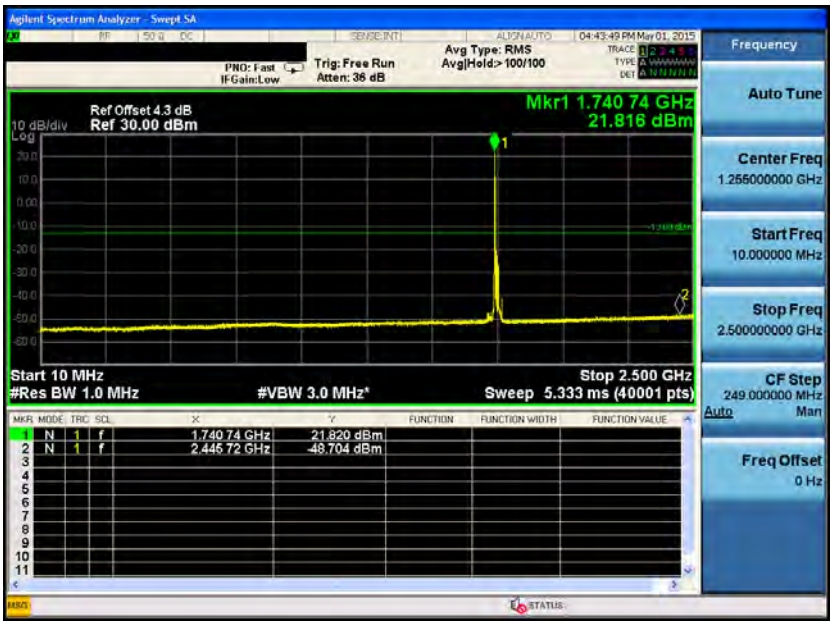
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
1715.0 MHz	 

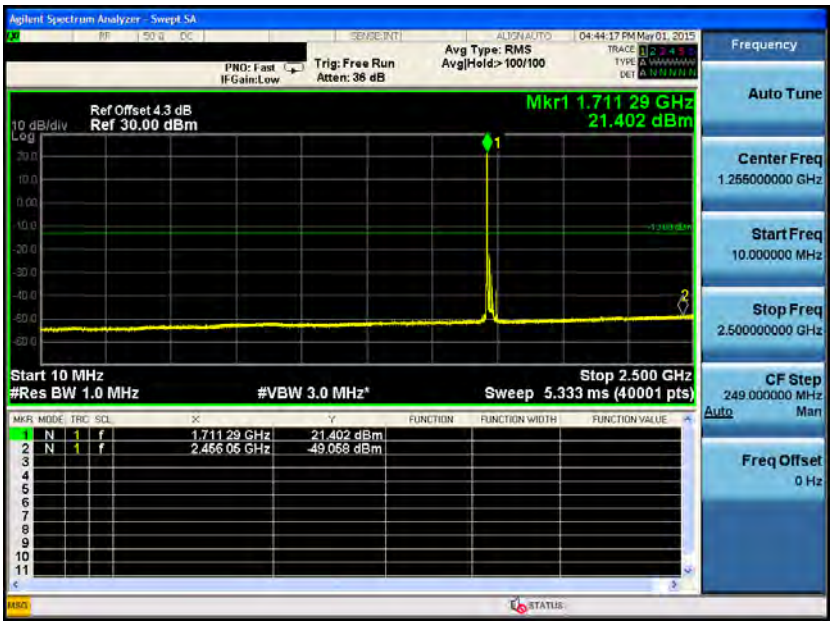
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
11732.5 MHz	 

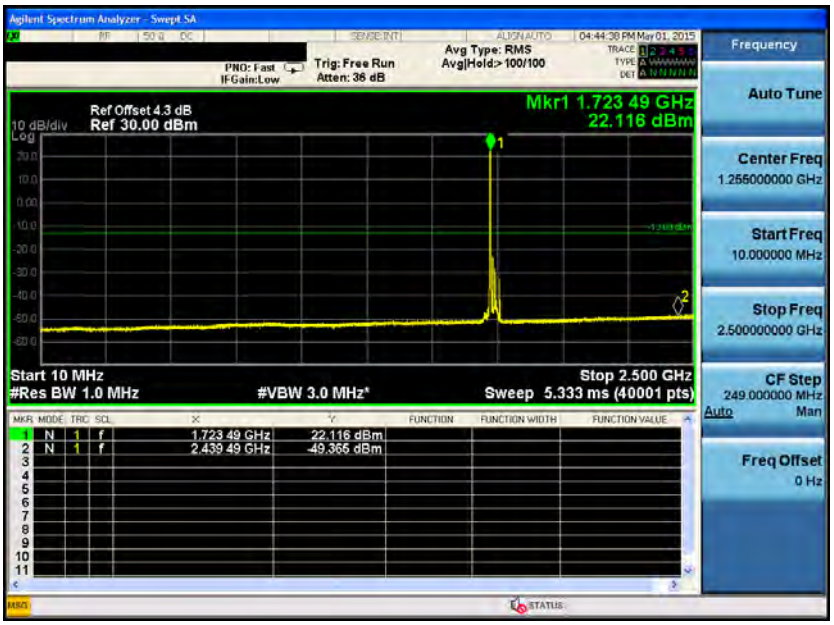
LTE Band 4 (Channel Bandwidth: 10 MHz) _ QPSK	
1750.0 MHz	 

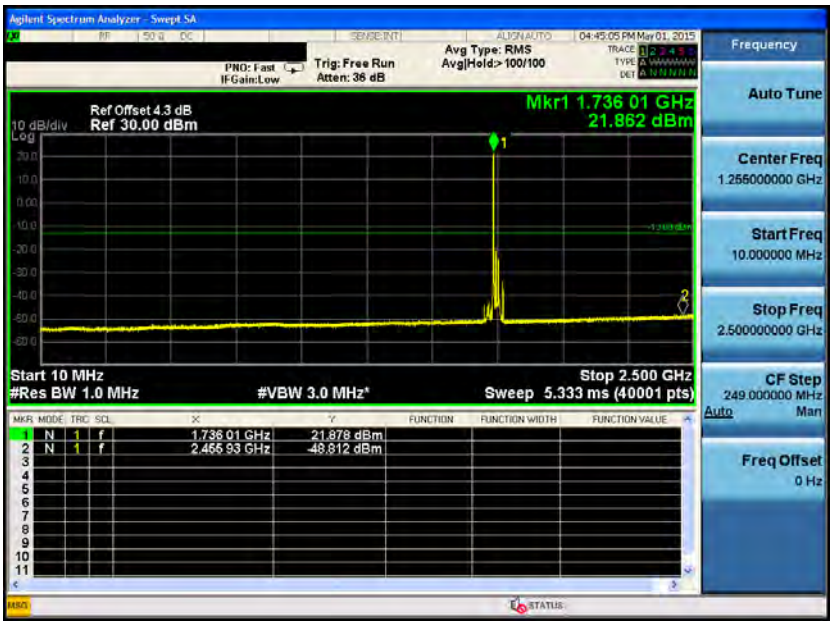
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1717.5 MHz	 

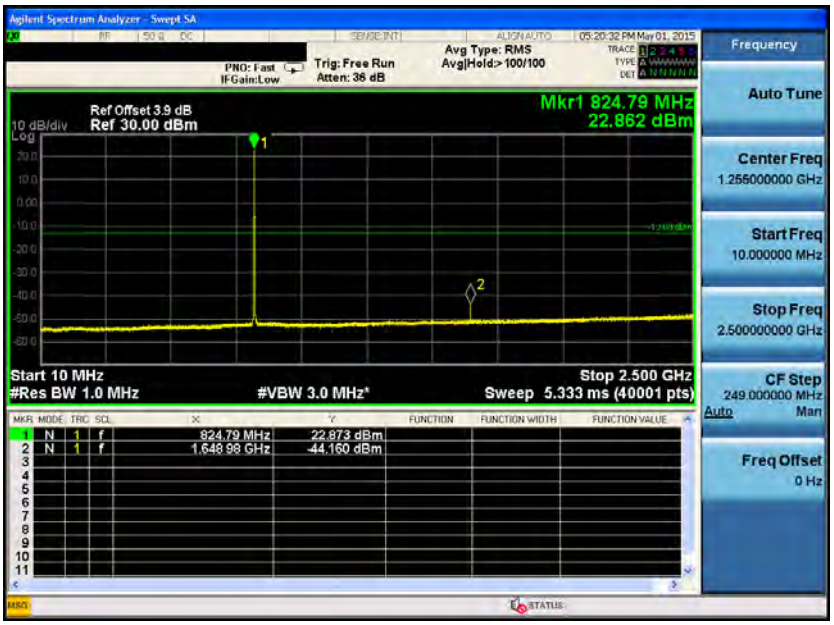
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1732.5 MHz	 

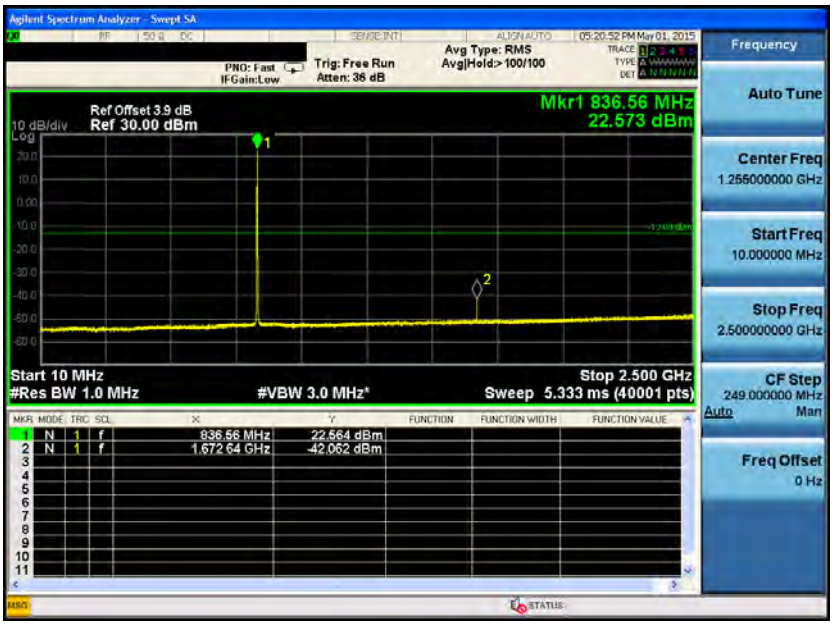
LTE Band 4 (Channel Bandwidth: 15 MHz) _ QPSK	
1747.5 MHz	 

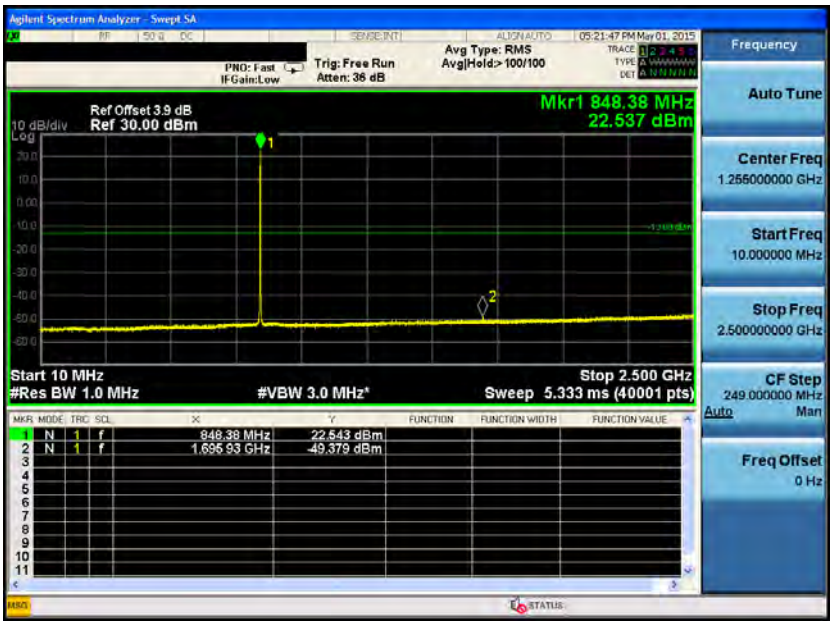
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1720.0 MHz	 

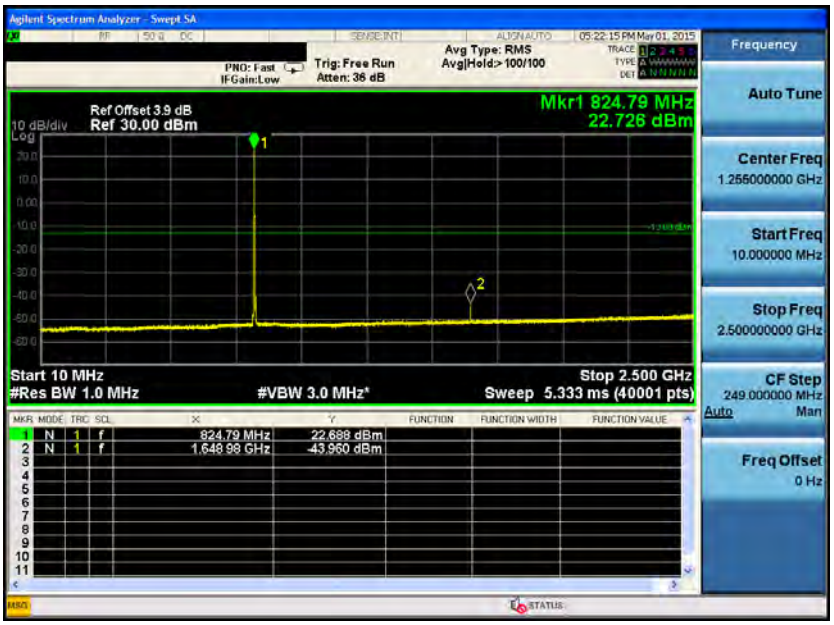
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1732.5 MHz	 

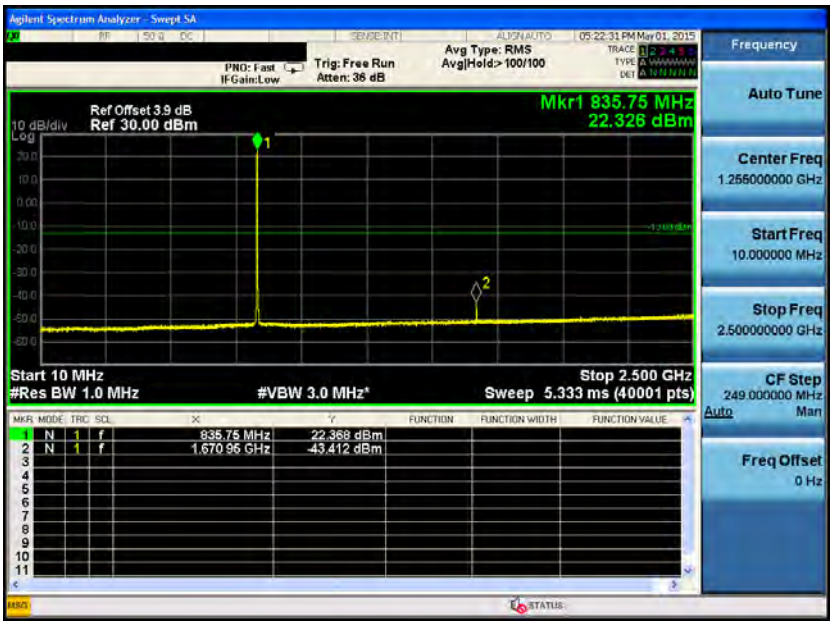
LTE Band 4 (Channel Bandwidth: 20 MHz) _ QPSK	
1745.0 MHz	 

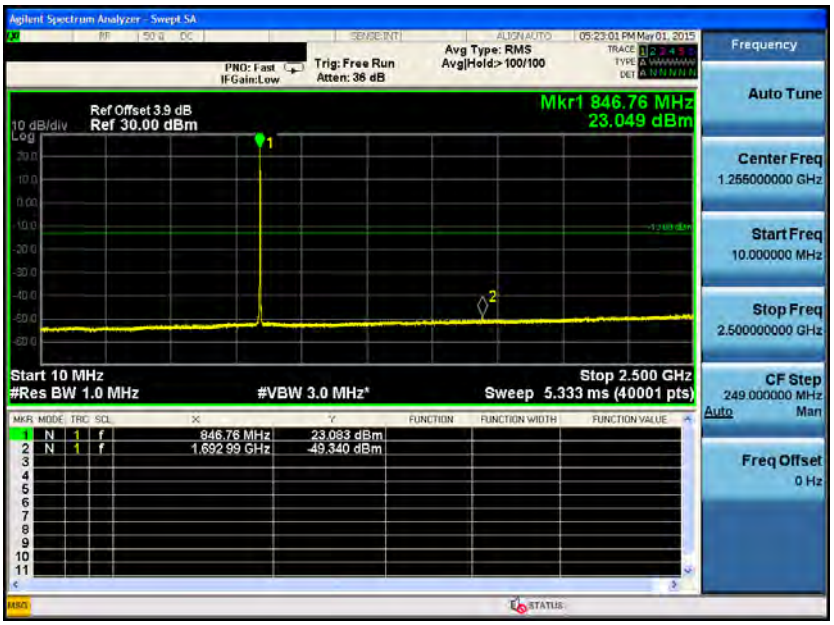
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
824.7 MHz	
	

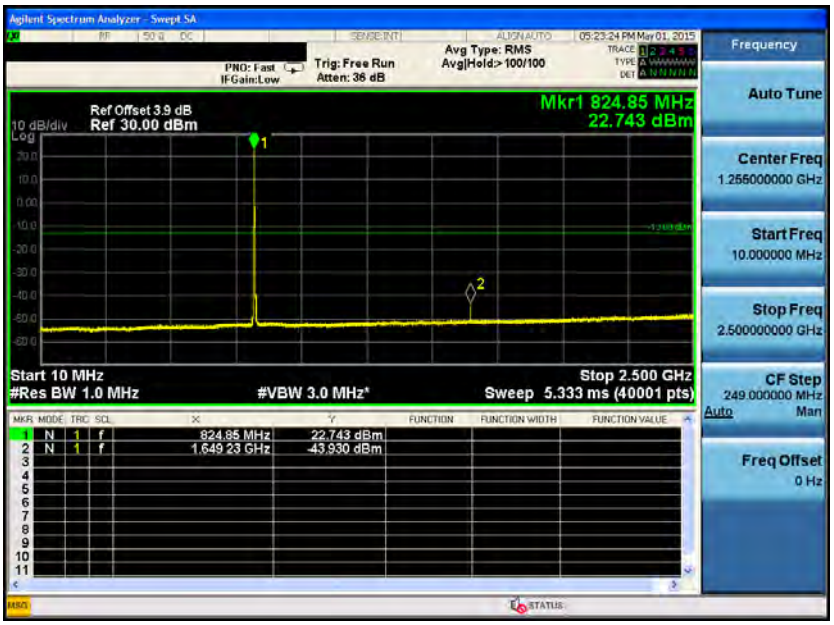
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
836.5 MHz	 

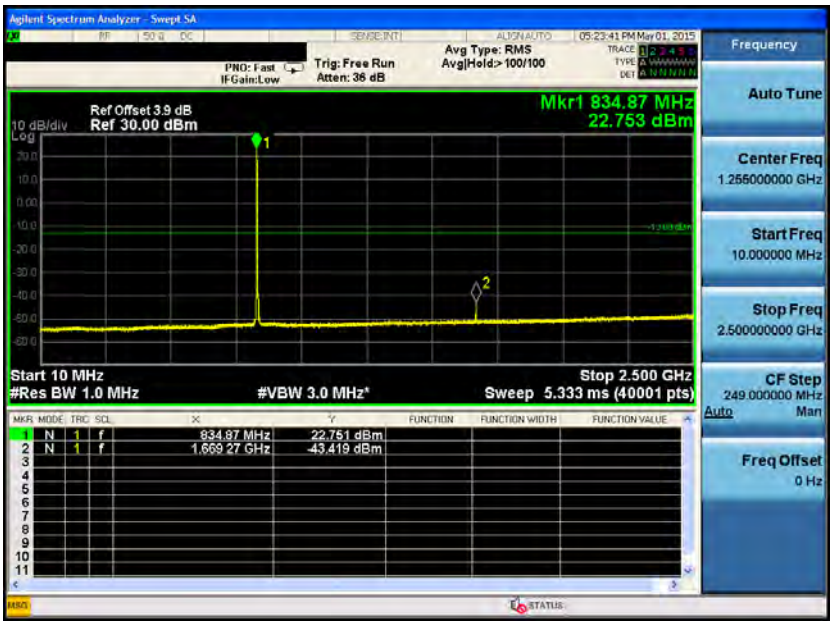
LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ QPSK	
848.3 MHz	
	

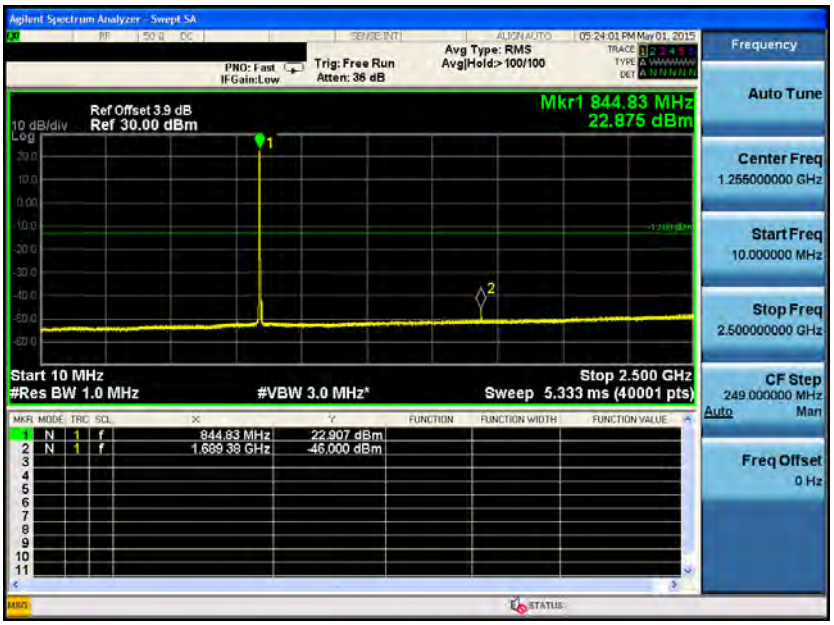
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
825.5 MHz	
	

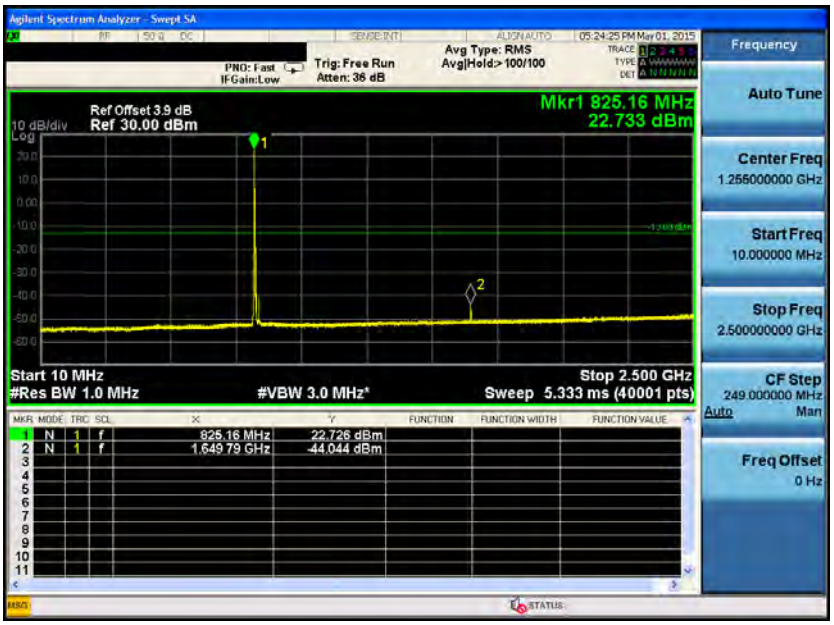
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
836.5 MHz	 

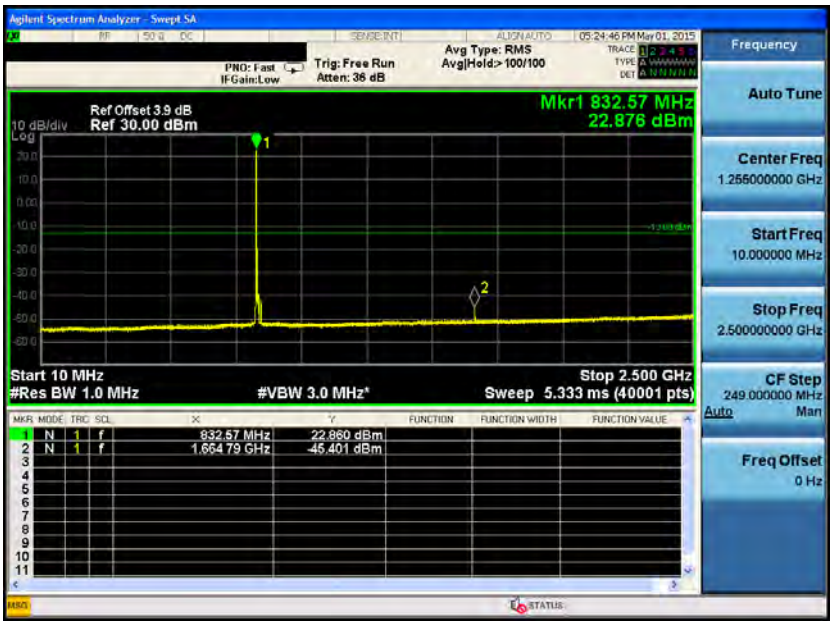
LTE Band 5 (Channel Bandwidth: 3 MHz) _ QPSK	
847.5 MHz	 

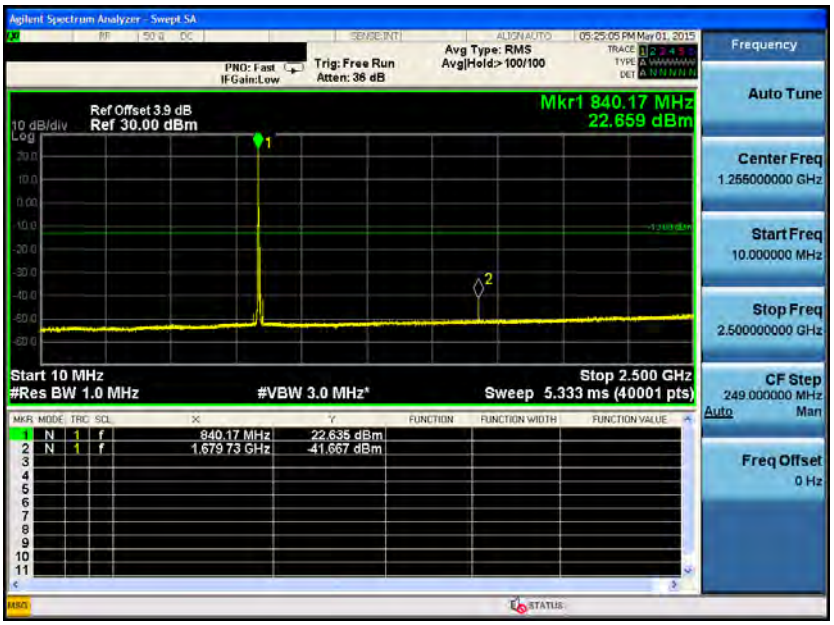
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK	
826.5 MHz	
	

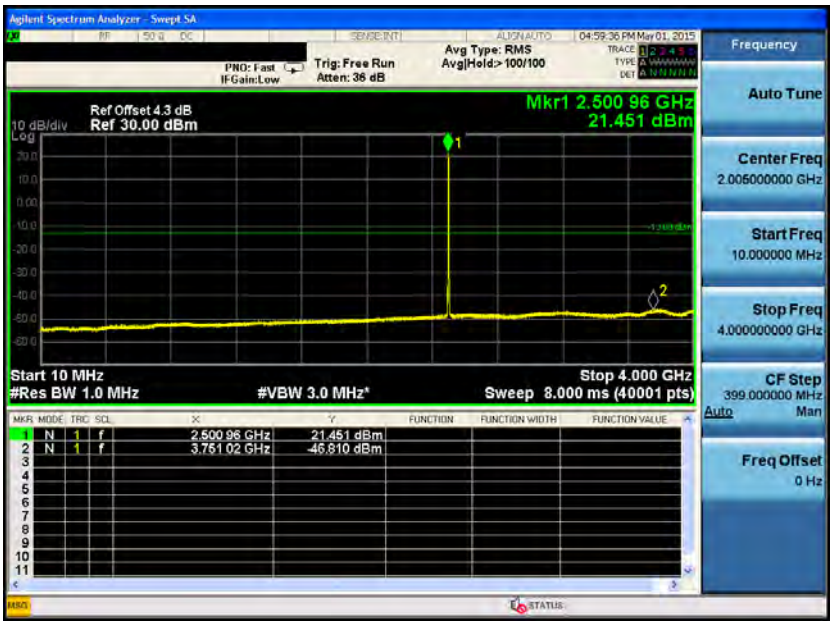
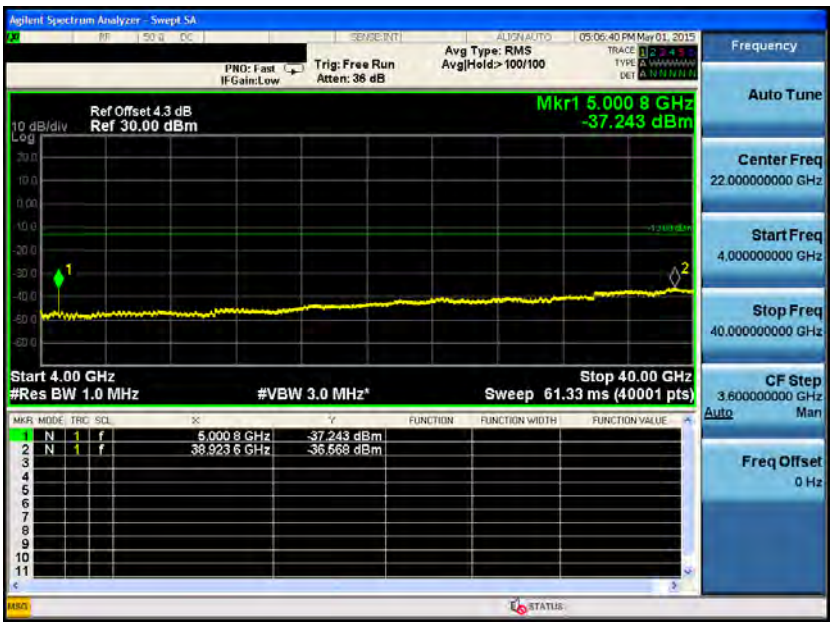
LTE Band 5 (Channel Bandwidth: 5 MHz) _ QPSK	
836.5 MHz	 

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

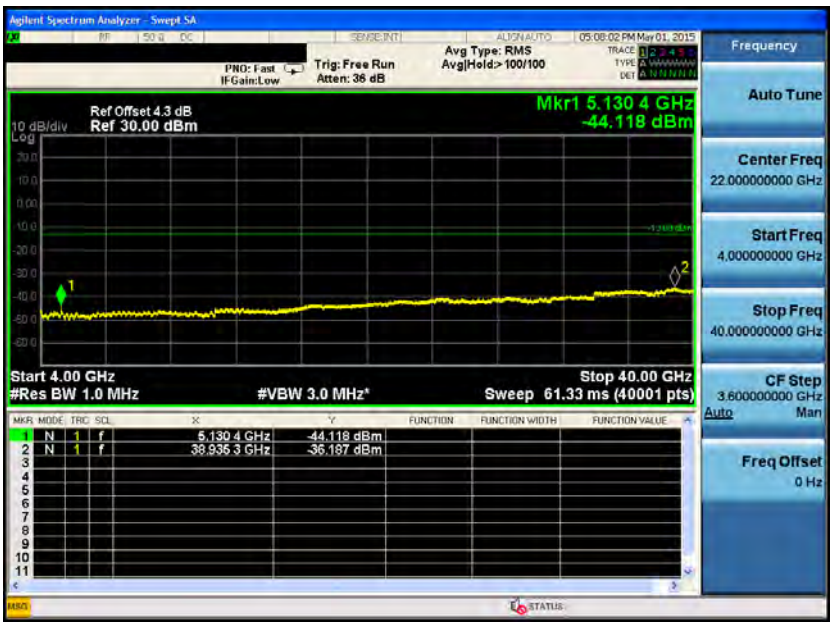
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
829.0 MHz	
	

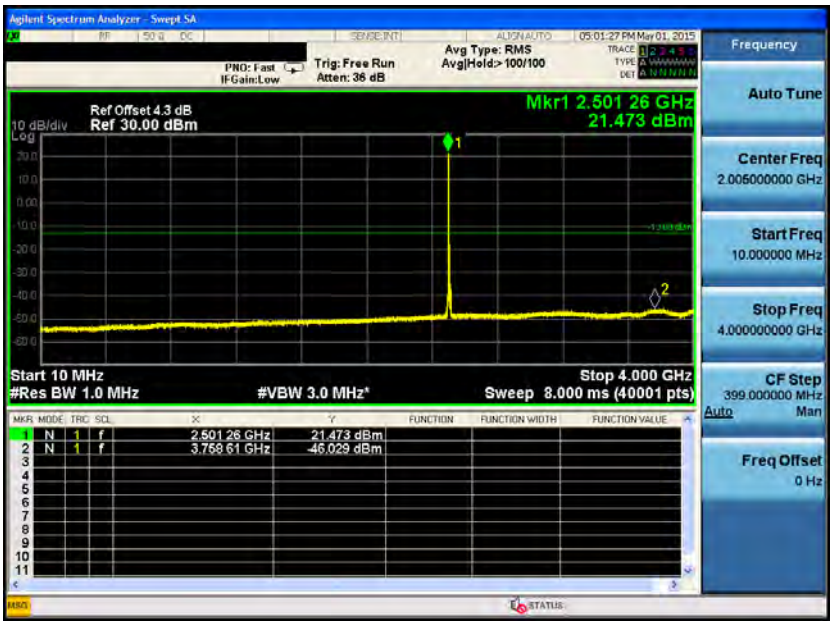
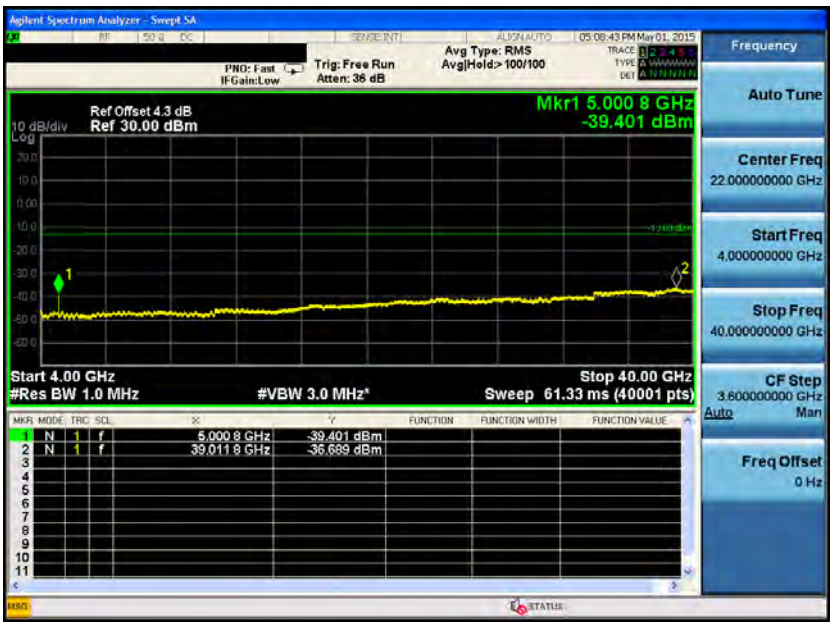
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
836.5 MHz	
	

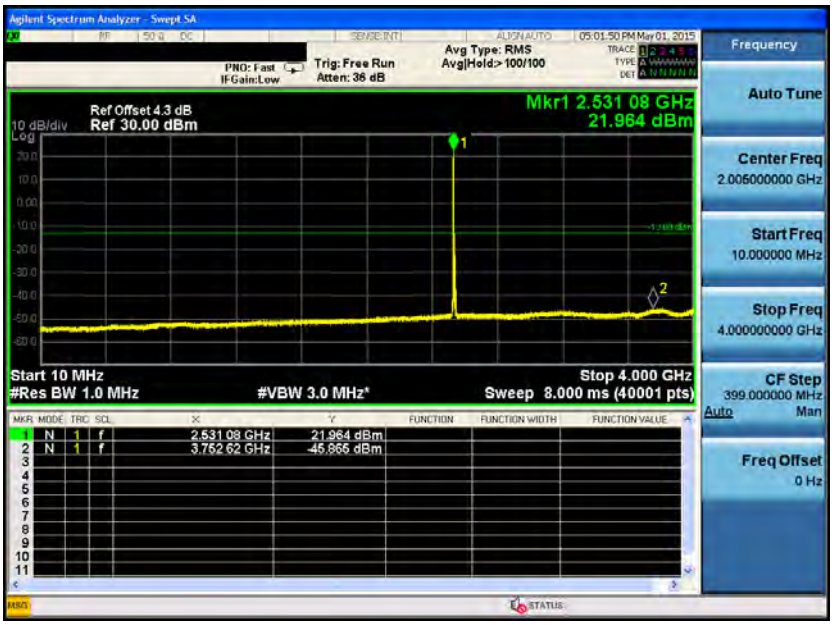
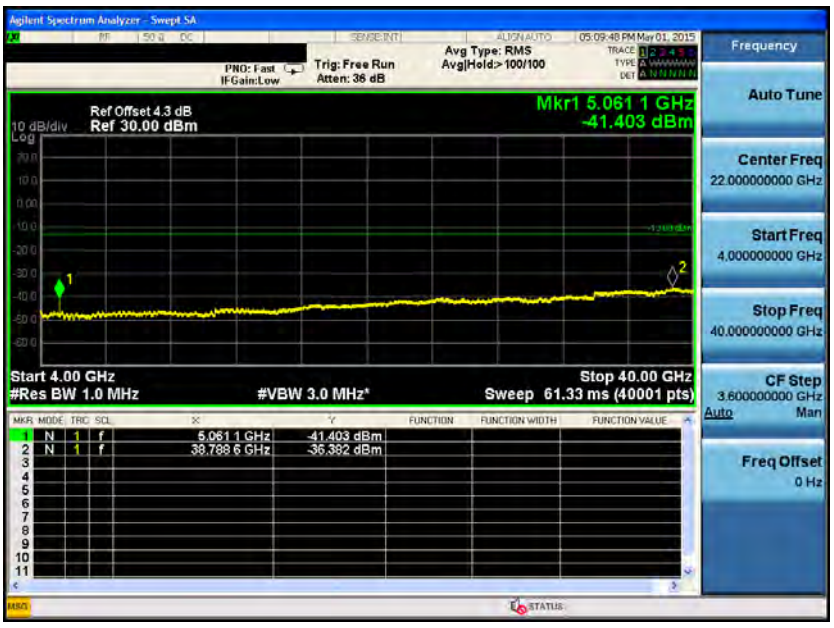
LTE Band 5 (Channel Bandwidth: 10 MHz) _ QPSK	
844.0 MHz	
	

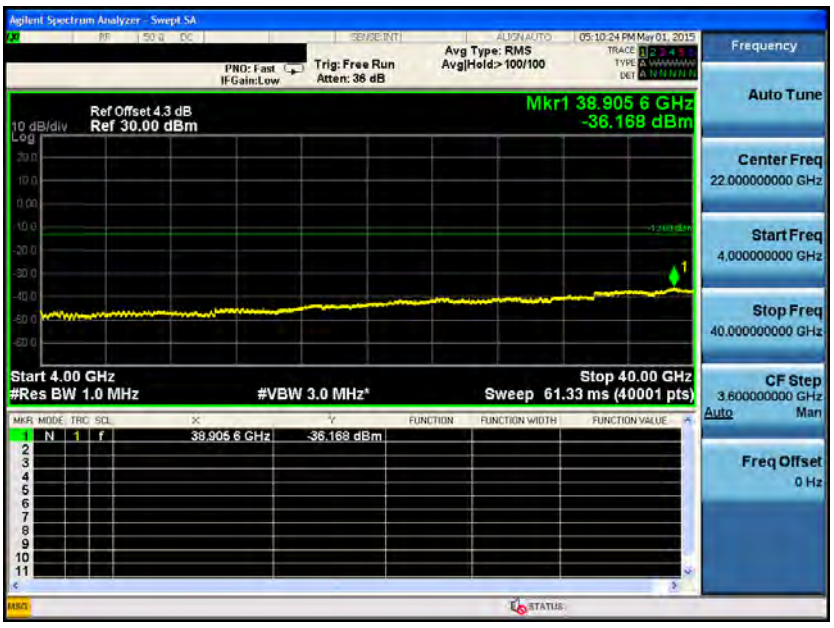
LTE Band 7 (Channel Bandwidth: 5 MHz) _ QPSK	
2502.5 MHz	 

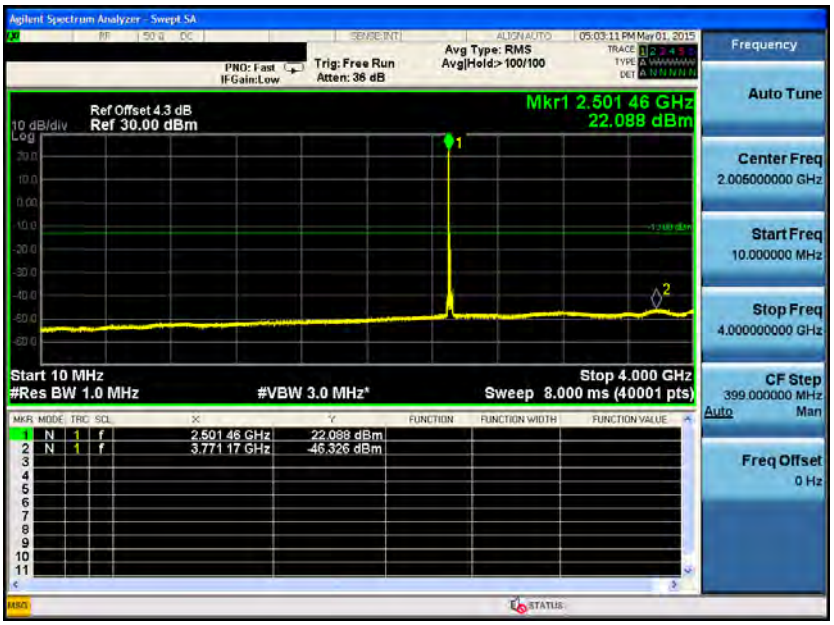
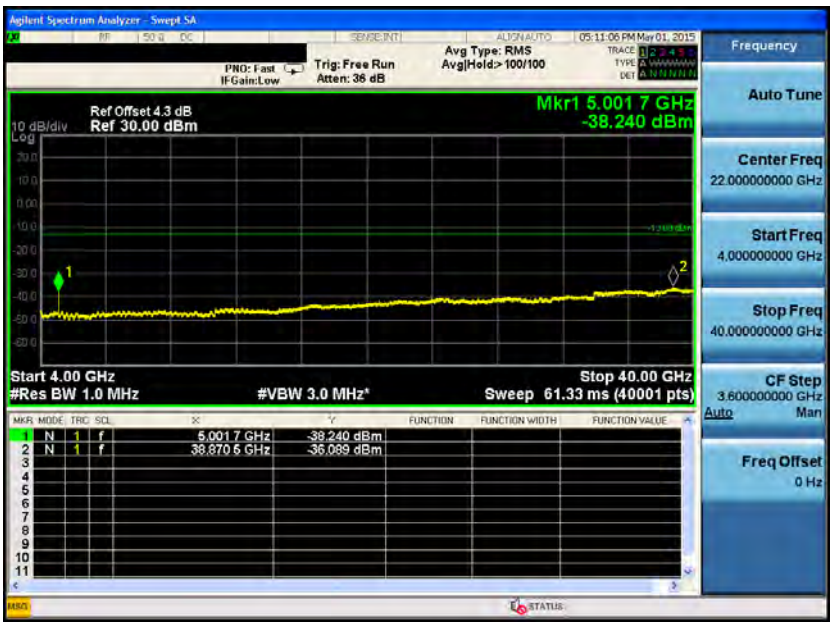
LTE Band 7 (Channel Bandwidth: 5 MHz) _ QPSK	
2535.0 MHz	 

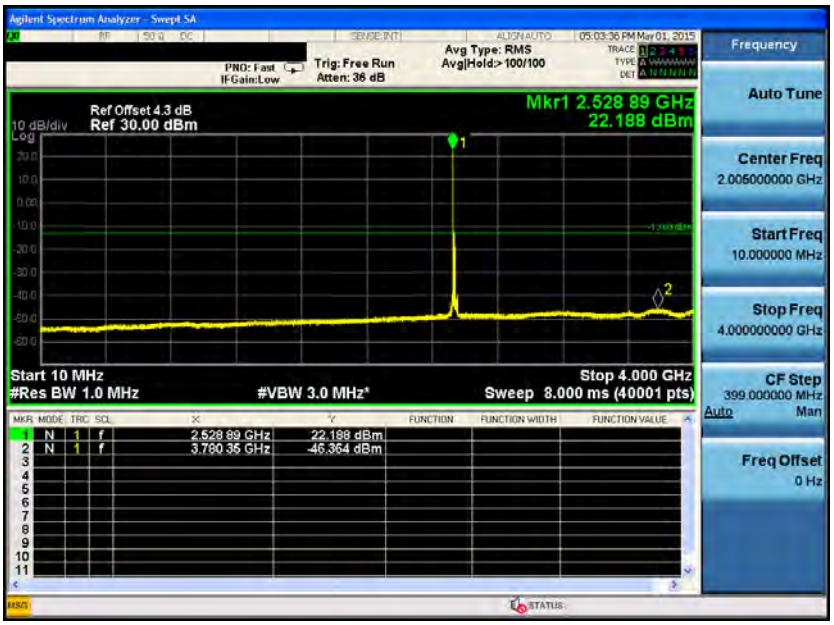
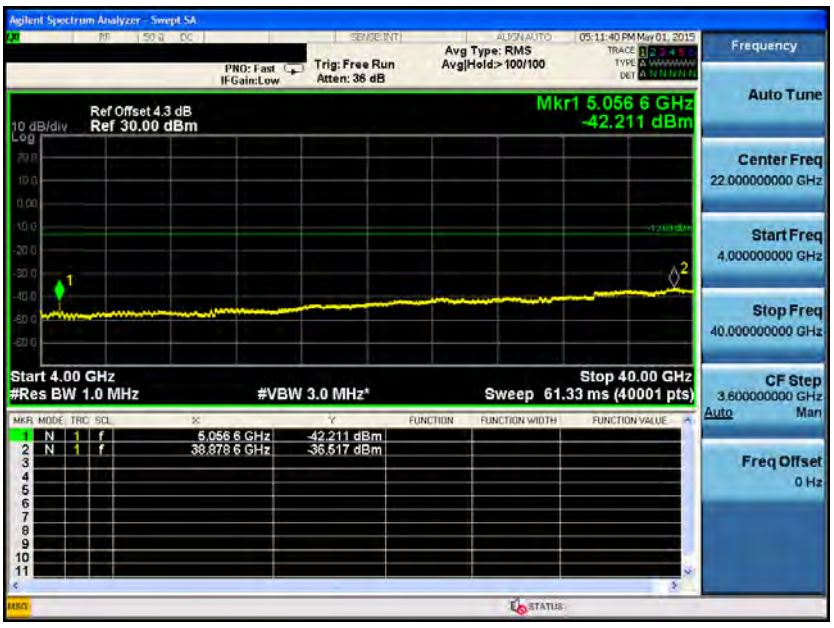
LTE Band 7 (Channel Bandwidth: 5 MHz) _ QPSK	
2567.5 MHz	 

LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2505.0 MHz	 

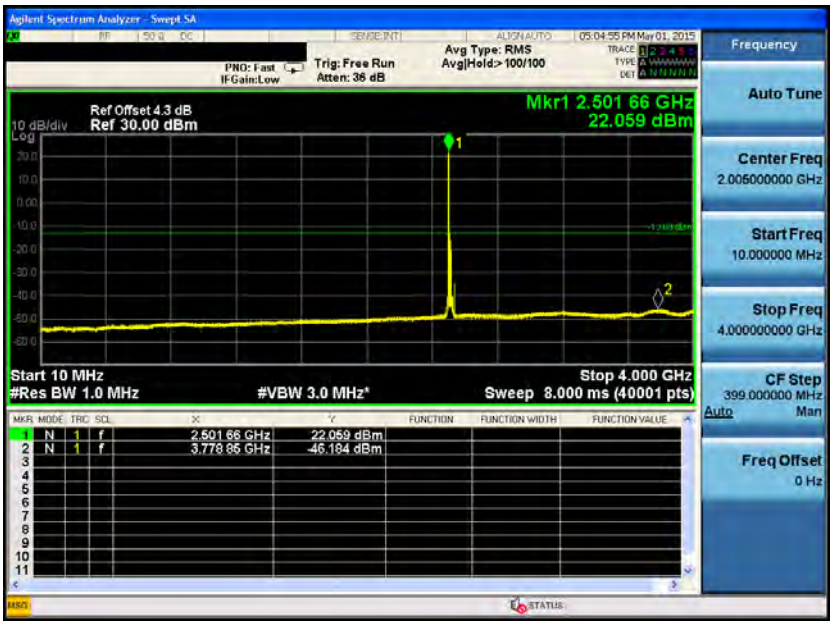
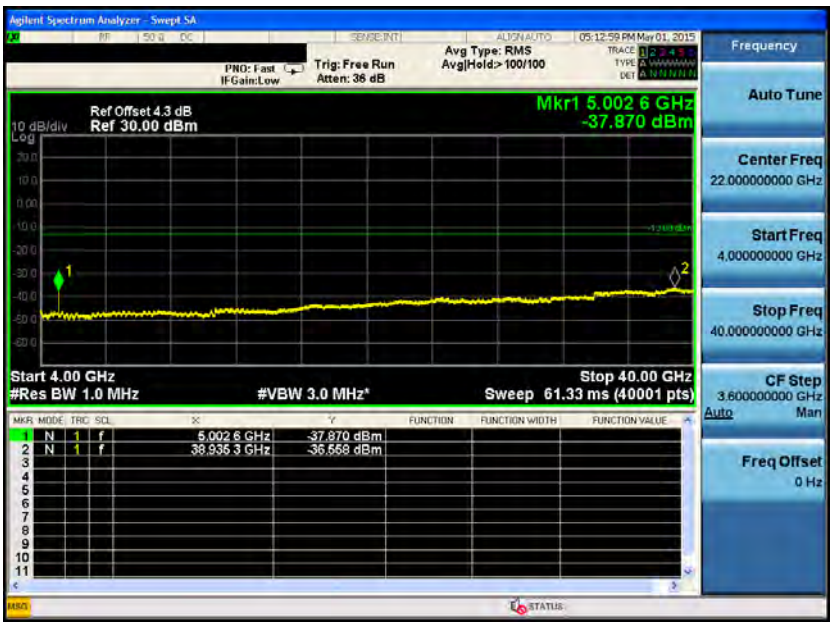
LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2535.0 MHz	 

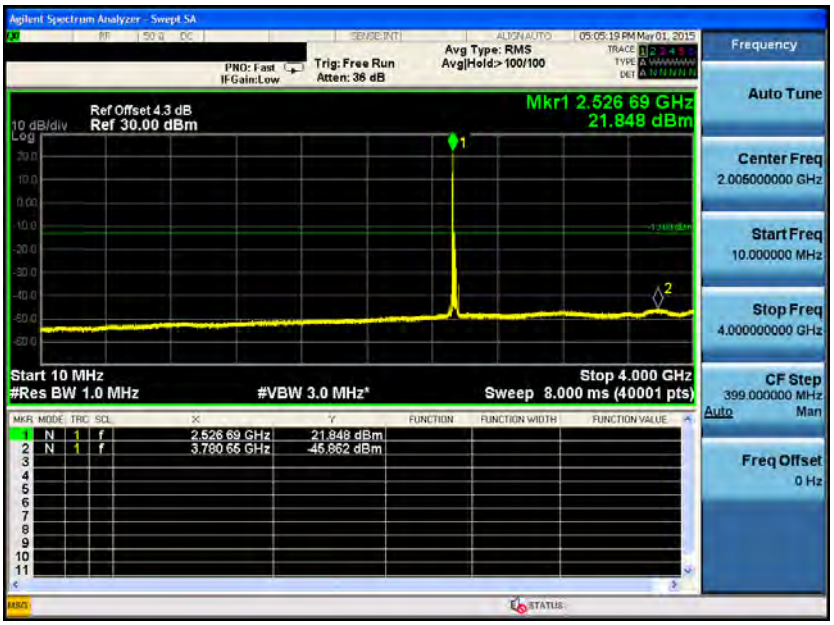
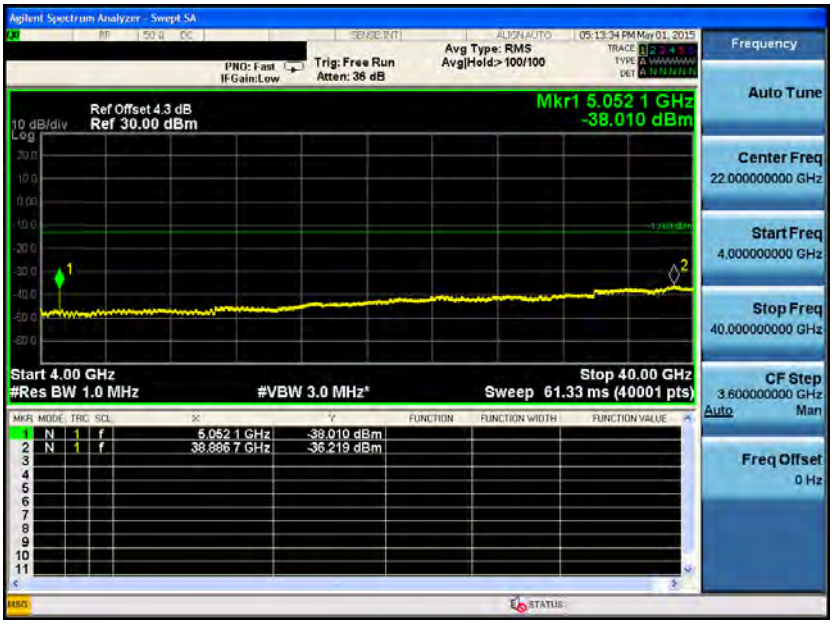
LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2565.0 MHz	 

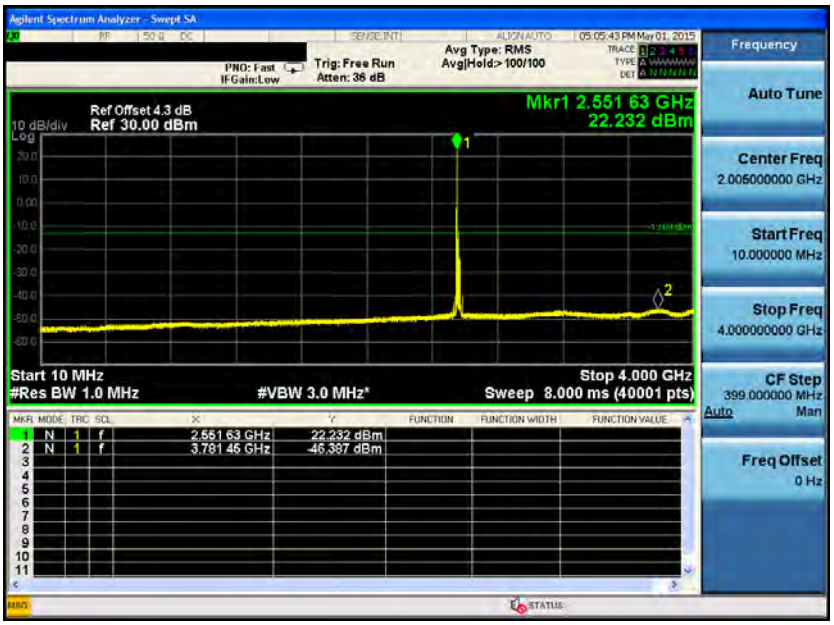
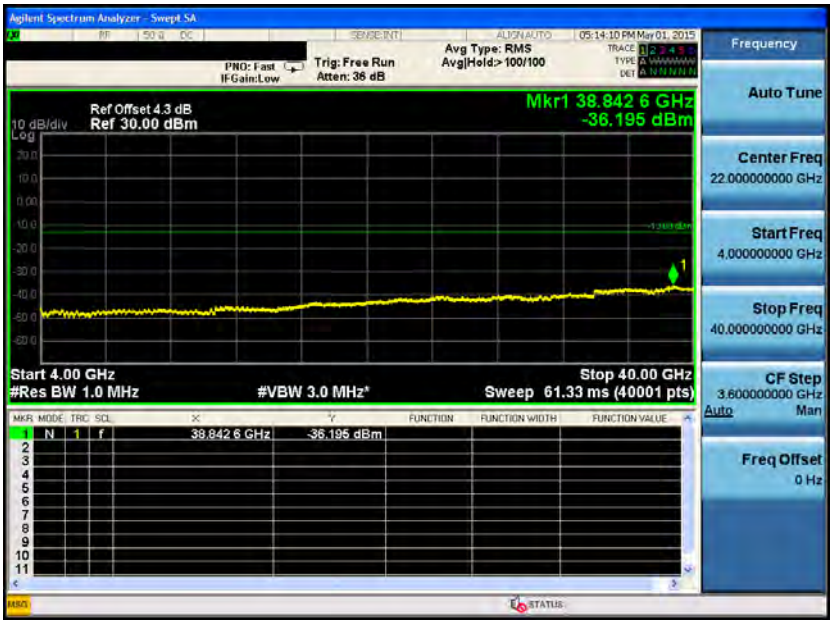
LTE Band 7 (Channel Bandwidth: 15 MHz) _ QPSK	
2507.5 MHz	 

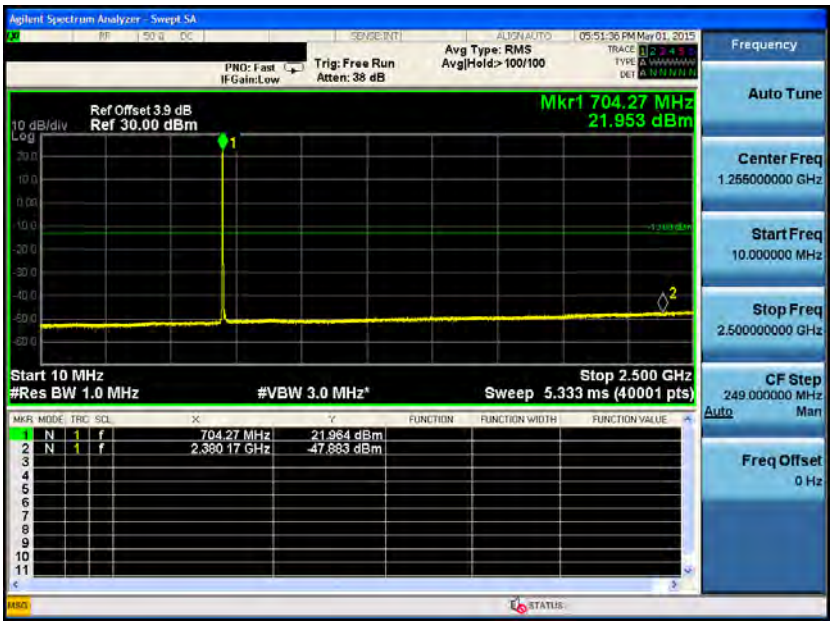
LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2535.0 MHz	 

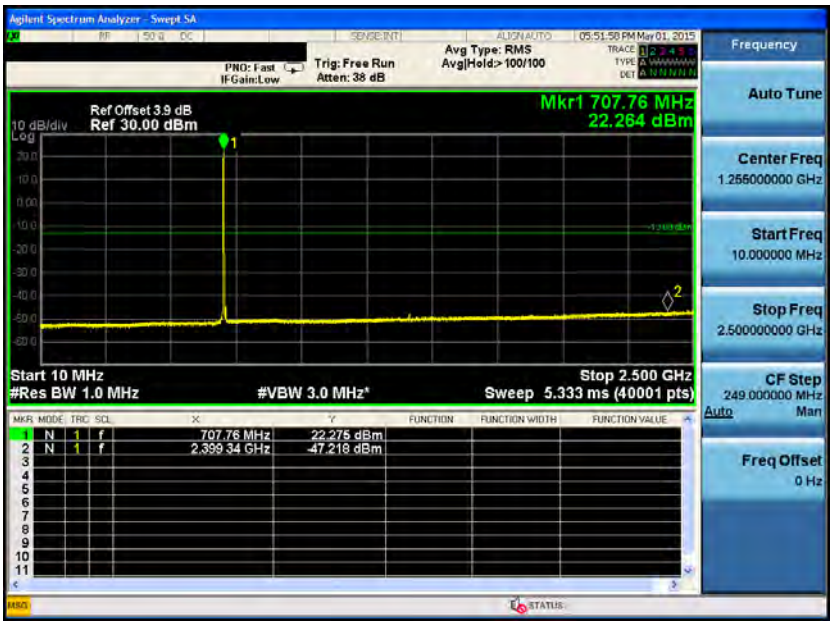
LTE Band 7 (Channel Bandwidth: 15 MHz) _ QPSK	
2562.5 MHz	 

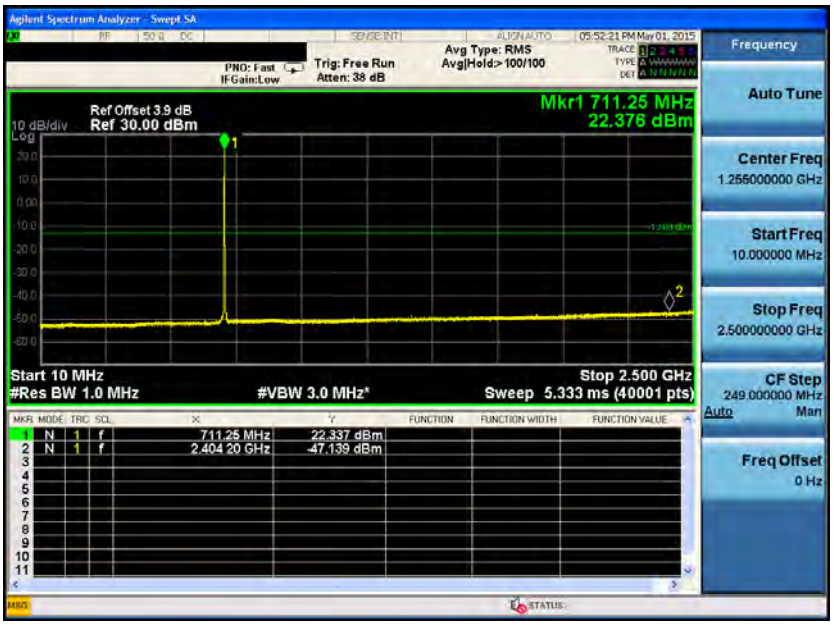
LTE Band 7 (Channel Bandwidth: 20 MHz) _ QPSK	
2510.0 MHz	 

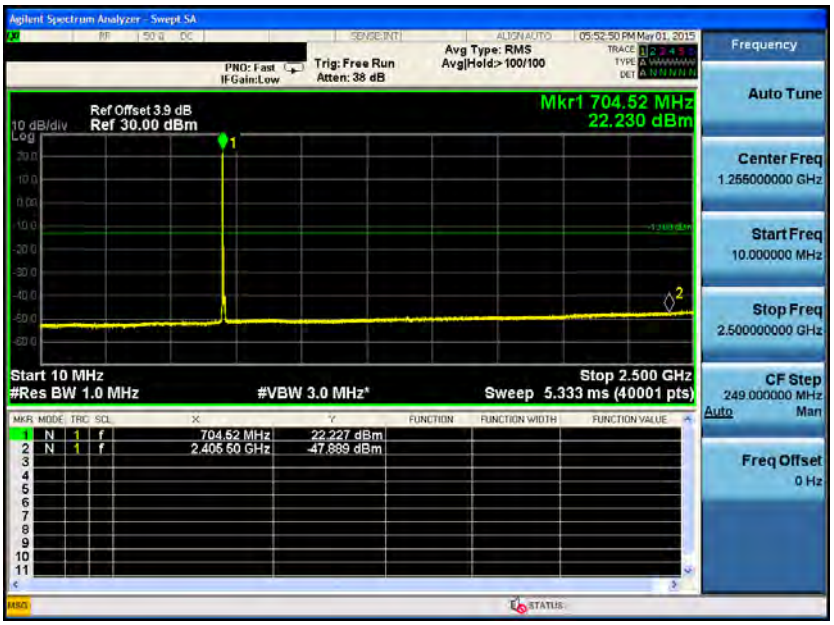
LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2535.0 MHz	
	

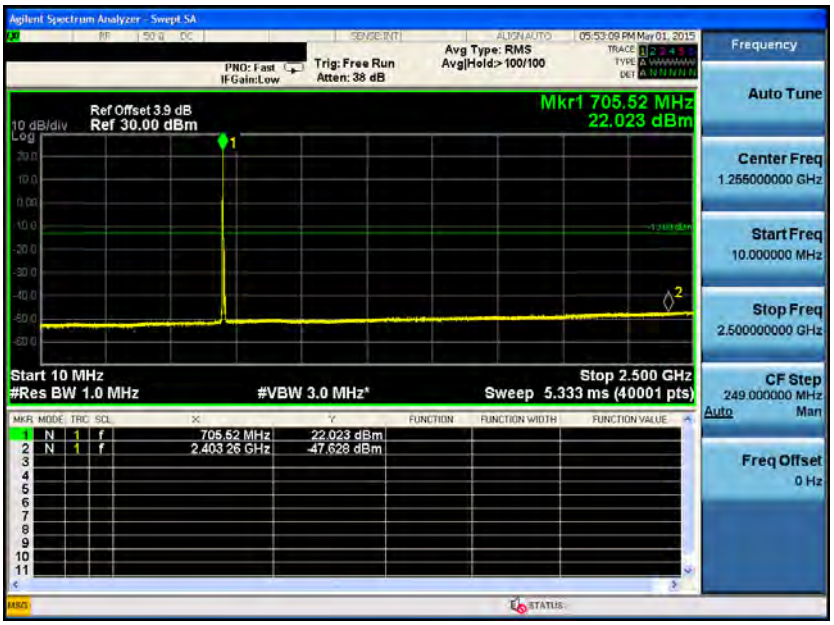
LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2560.0 MHz	 

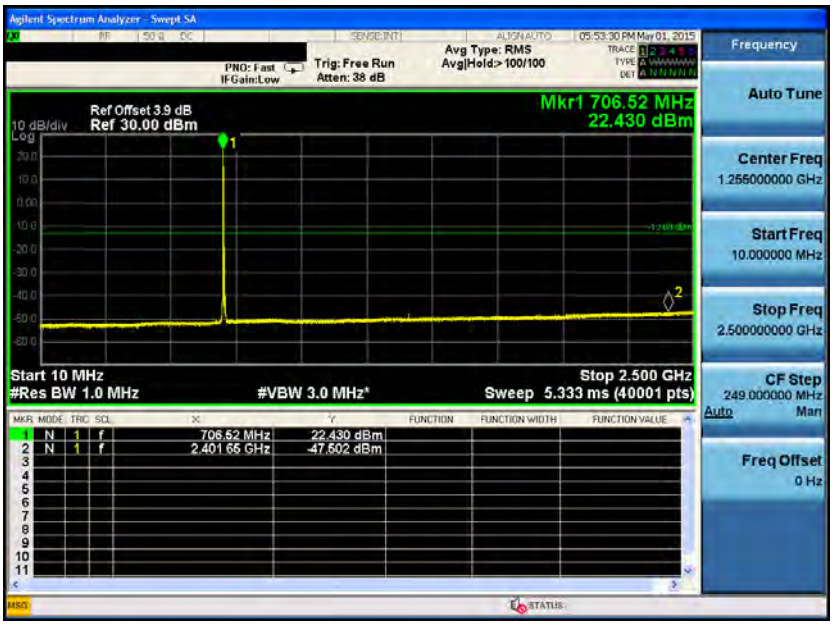
LTE Band 17 (Channel Bandwidth: 5 MHz) _ QPSK	
706.5 MHz	 

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	 

8.7. Test Result

Radiation Emission

Band	Bandwidth	CH	Frequency (MHz)	Measurement (dBm)	Antanna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Over (dB)
LTE Band2	1.4MHz	18607	2464.58	-49.28	5	-44.28	-13.00	-31.28
			3700.00	-41.53	5	-36.53	-13.00	-23.53
			38871.30	-36.77	5	-31.77	-13.00	-18.77
		18900	2487.61	-49.25	5	-44.25	-13.00	-31.25
			3759.10	-41.41	5	-36.41	-13.00	-23.41
			38892.80	-36.48	5	-31.48	-13.00	-18.48
		19193	2478.46	-48.92	5	-43.92	-13.00	-30.92
			3817.20	-42.76	5	-37.76	-13.00	-24.76
			38815.90	-36.74	5	-31.74	-13.00	-18.74
	3MHz	18615	2482.63	-48.85	5	-43.85	-13.00	-30.85
			3700.00	-42.18	5	-37.18	-13.00	-24.18
			38917.20	-36.51	5	-31.51	-13.00	-18.51
		18900	2474.98	-48.52	5	-43.52	-13.00	-30.52
			3757.20	-41.67	5	-36.67	-13.00	-23.67
			38.957.5	-36.42	5	-31.42	-13.00	-18.42
		19185	2481.57	-49.37	5	-44.37	-13.00	-31.37
			3714.40	-38.35	5	-33.35	-13.00	-20.35
			38959.40	-36.45	5	-31.45	-13.00	-18.45
	5MHz	18625	2441.05	-49.23	5	-44.23	-13.00	-31.23
			3700.90	-40.36	5	-35.36	-13.00	-22.36
			38851.60	-36.43	5	-31.43	-13.00	-18.43
		18900	2480.33	-49.24	5	-44.24	-13.00	-31.24
			3755.30	-41.76	5	-36.76	-13.00	-23.76
			38890.00	-36.02	5	-31.02	-13.00	-18.02
		19175	2489.23	-48.79	5	-43.79	-13.00	-30.79
			3810.60	-38.39	5	-33.39	-13.00	-20.39
			39180.60	-36.88	5	-31.88	-13.00	-18.88
	10MHz	18650	2473.23	-49.02	5	-44.02	-13.00	-31.02
			3700.90	-40.65	5	-35.65	-13.00	-22.65
			28864.70	-36.34	5	-31.34	-13.00	-18.34
		19150	2454.62	-49.29	5	-44.29	-13.00	-31.29
			3751.60	-41.96	5	-36.96	-13.00	-23.96
			38907.80	-36.75	5	-31.75	-13.00	-18.75
		18675	2459.97	-49.21	5	-44.21	-13.00	-31.21
			3801.30	-38.92	5	-33.92	-13.00	-20.92
			38564.70	-36.54	5	-31.54	-13.00	-18.54

Band	Bandwidth	CH	Frequency (MHz)	Measurement (dBm)	Antanna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Over (dB)
LTE Band2	15MHz	18675	2456.61	-49.26	5	-44.26	-13.00	-31.26
			3701.90	-40.20	5	-35.20	-13.00	-22.20
			38937.80	-36.32	5	-31.32	-13.00	-18.32
		18900	2474.60	-49.06	5	-44.06	-13.00	-31.06
			3746.90	-40.16	5	-35.16	-13.00	-22.16
			38932.20	-35.95	5	-30.95	-13.00	-17.95
		19125	2463.96	-49.27	5	-44.27	-13.00	-31.27
			3791.90	-40.70	5	-35.70	-13.00	-22.70
			38948.10	-36.89	5	-31.89	-13.00	-18.89
	20MHz	18700	2478.59	-48.80	5	-43.80	-13.00	-30.80
			3701.90	-41.45	5	-36.45	-13.00	-23.45
			38956.60	-36.59	5	-31.59	-13.00	-18.59
		18900	2487.55	-48.80	5	-43.80	-13.00	-30.80
			2742.20	-41.36	5	-36.36	-13.00	-23.36
			38935.90	-36.83	5	-31.83	-13.00	-18.83
		19100	2463.02	-48.95	5	-43.95	-13.00	-30.95
			3782.50	-41.41	5	-36.41	-13.00	-23.41
			38800.90	-36.79	5	-31.79	-13.00	-18.79

Band	Bandwidth	CH	Frequency (MHz)	Measurement (dBm)	Antanna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Over (dB)
LTE Band4	1.4MHz	19957	2441.65	-48.93	5	-43.93	-13.00	-30.93
			38872.20	-36.69	5	-31.69	-13.00	-18.69
		20175	2485.37	-48.80	5	-43.80	-13.00	-30.80
			38948.10	-36.35	5	-31.35	-13.00	-18.35
		20393	2464.70	-49.56	5	-44.56	-13.00	-31.56
			38950.00	-36.21	5	-31.21	-13.00	-18.21
	3MHz	19965	2347.74	-49.54	5	-44.54	-13.00	-31.54
			38897.50	-36.23	5	-31.23	-13.00	-18.23
		20175	2443.48	-49.18	5	-44.18	-13.00	-31.18
			38853.40	-36.24	5	-31.24	-13.00	-18.24
		20385	2475.66	-48.79	5	-43.79	-13.00	-30.79
			38900.30	-36.22	5	-31.22	-13.00	-18.22
	5MHz	19975	2470.00	-48.93	5	-43.93	-13.00	-30.93
			38879.70	-36.23	5	-31.23	-13.00	-18.23
		20175	2467.38	-48.88	5	-43.88	-13.00	-30.88
			38916.30	-36.26	5	-31.26	-13.00	-18.26
		20375	2475.54	-48.96	5	-43.96	-13.00	-30.96
			38934.10	-36.17	5	-31.17	-13.00	-18.17
	10MHz	20000	2470.12	-49.35	5	-44.35	-13.00	-31.35
			38928.40	-36.14	5	-31.14	-13.00	-18.14
		20175	2462.09	-48.88	5	-43.88	-13.00	-30.88
			38892.80	-36.21	5	-31.21	-13.00	-18.21
		20350	2480.20	-49.46	5	-44.46	-13.00	-31.46
			38919.10	-36.31	5	-31.31	-13.00	-18.31
	15MHz	20025	2469.31	-48.19	5	-43.19	-13.00	-30.19
			38936.90	-36.39	5	-31.39	-13.00	-18.39
		20175	2473.86	-49.13	5	-44.13	-13.00	-31.13
			38947.20	-36.26	5	-31.26	-13.00	-18.26
		20325	2445.72	-48.70	5	-43.70	-13.00	-30.70
			38936.90	-36.45	5	-31.45	-13.00	-18.45
	20MHz	20050	2456.05	-49.06	5	-44.06	-13.00	-31.06
			38900.30	-36.22	5	-31.22	-13.00	-18.22
		20175	2439.49	-49.37	5	-44.37	-13.00	-31.37
			38923.80	-36.10	5	-31.10	-13.00	-18.10
		20300	2455.93	-48.81	5	-43.81	-13.00	-30.81
			38923.80	-36.28	5	-31.28	-13.00	-18.28

Band	Bandwidth	CH	Frequency (MHz)	Measurement (dBm)	Antanna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Over (dB)
LTE Band5	1.4MHz	20407	1648.98	-44.16	5	-39.16	-13.00	-26.16
			38965.90	-36.06	5	-31.06	-13.00	-18.06
		20525	1672.64	-42.06	5	-37.06	-13.00	-24.06
			38894.70	-36.34	5	-31.34	-13.00	-18.34
		20643	1695.93	-49.38	5	-44.38	-13.00	-31.38
			38897.50	-36.07	5	-31.07	-13.00	-18.07
	3MHz	20415	1648.98	-43.96	5	-38.96	-13.00	-25.96
			38882.50	-36.03	5	-31.03	-13.00	-18.03
		20525	1670.95	-43.41	5	-38.41	-13.00	-25.41
			38842.20	-36.30	5	-31.30	-13.00	-18.30
		20635	1692.99	-49.34	5	-44.34	-13.00	-31.34
			38912.50	-35.96	5	-30.96	-13.00	-17.96
	5MHz	20425	1649.23	-43.93	5	-38.93	-13.00	-25.93
			38918.10	-36.27	5	-31.27	-13.00	-18.27
		20525	1669.27	-43.42	5	-38.42	-13.00	-25.42
			38907.80	-36.02	5	-31.02	-13.00	-18.02
		20625	1689.38	-46.00	5	-41.00	-13.00	-28.00
			38919.10	-36.15	5	-31.15	-13.00	-18.15
	10MHz	20450	1649.79	-44.04	5	-39.04	-13.00	-26.04
			38888.10	-36.11	5	-31.11	-13.00	-18.11
		20525	1664.79	-45.10	5	-40.10	-13.00	-27.10
			38918.10	-36.29	5	-31.29	-13.00	-18.29
		20600	1679.73	-41.67	5	-36.67	-13.00	-23.67
			38956.60	-36.01	5	-31.01	-13.00	-18.01

Band	Bandwidth	CH	Frequency (MHz)	Measurement (dBm)	Antanna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Over (dB)
LTE Band7	5MHz	20775	3751.02	-46.81	7	-39.81	-13.00	-26.81
			5000.80	-37.24	7	-30.24	-13.00	-17.24
			38923.60	-36.57	7	-29.57	-13.00	-16.57
		21100	3761.30	-45.94	7	-38.94	-13.00	-25.94
			38911.00	-36.38	7	-29.38	-13.00	-16.38
		21425	3760.70	-46.41	7	-39.41	-13.00	-26.41
			5130.40	-44.12	7	-37.12	-13.00	-24.12
			38935.30	-36.19	7	-29.19	-13.00	-16.19
	10MHz	20800	3858.61	-46.03	7	-39.03	-13.00	-26.03
			5000.80	-39.40	7	-32.40	-13.00	-19.40
			39011.80	-36.69	7	-29.69	-13.00	-16.69
		21100	3752.62	-45.87	7	-38.87	-13.00	-25.87
			5061.10	-41.40	7	-34.40	-13.00	-21.40
			38788.60	-36.38	7	-29.38	-13.00	-16.38
		21400	3752.22	-46.66	7	-39.66	-13.00	-26.66
			38905.60	-36.17	7	-29.17	-13.00	-16.17
	15MHz	20825	3771.17	-46.33	7	-39.66	-13.00	-26.33
			5001.17	-38.24	7	-29.17	-13.00	-18.24
			38870.50	-36.09	7	-39.66	-13.00	-16.09
		21100	3780.35	-46.36	7	-39.36	-13.00	-26.36
			5056.60	-42.21	7	-35.21	-13.00	-22.21
			38878.60	-36.52	7	-29.52	-13.00	-16.52
		21375	3785.64	-46.35	7	-39.35	-13.00	-26.35
			38926.30	-36.39	7	-29.39	-13.00	-16.39
	20MHz	20850	3778.85	-46.18	7	-39.18	-13.00	-26.18
			5002.60	-37.87	7	-30.87	-13.00	-17.87
			38935.30	-36.56	7	-29.56	-13.00	-16.56
		21100	3780.65	-45.86	7	-38.86	-13.00	-25.86
			5052.10	-38.01	7	-31.01	-13.00	-18.01
			38886.70	-36.22	7	-29.22	-13.00	-16.22
		21350	3871.45	-46.39	7	-39.39	-13.00	-26.39
			38842.60	-36.20	7	-29.20	-13.00	-16.20

Band	Bandwidth	CH	Frequency (MHz)	Measurement (dBm)	Antanna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Over (dB)
LTE Band17	5MHz	23755	2380.17	-47.88	5	-42.88	-13.00	-29.88
			38920.00	-34.54	5	-29.54	-13.00	-16.54
		23790	2399.34	-47.22	5	-42.22	-13.00	-29.22
			38936.90	-34.35	5	-29.35	-13.00	-16.35
		23825	2404.20	-47.14	5	-42.14	-13.00	-29.14
			38900.30	-34.27	5	-29.27	-13.00	-16.27
	10MHz	23780	2405.50	-47.89	5	-42.89	-13.00	-29.89
			38912.50	-34.18	5	-29.18	-13.00	-16.18
		23790	2403.26	-47.63	5	-42.63	-13.00	-29.63
			38965.90	-34.42	5	-29.42	-13.00	-16.42
		23800	2401.65	-47.50	5	-42.50	-13.00	-29.50
			38974.40	-34.42	5	-29.42	-13.00	-16.42

9 Radiated Emission Test

9.1. 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

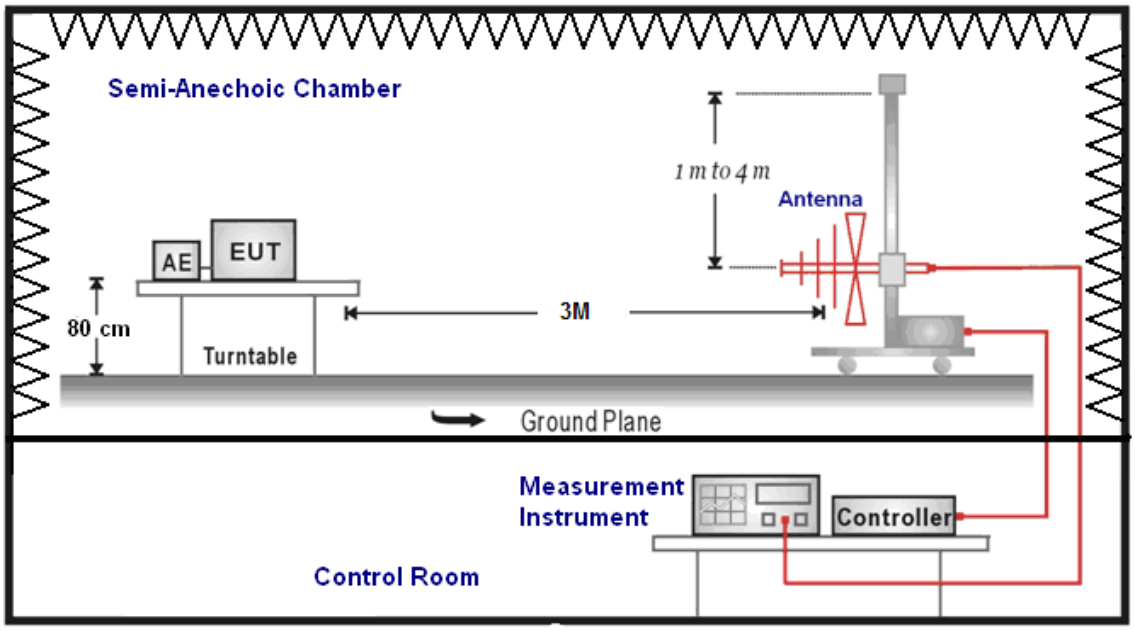
9.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/06/2015	(1)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/06/2015	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/24/2015	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/24/2015	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/22/2014	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/11/2014	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	07/02/2014	(1)
Test Site	ATL	TE01	888001	08/28/2014	(1)

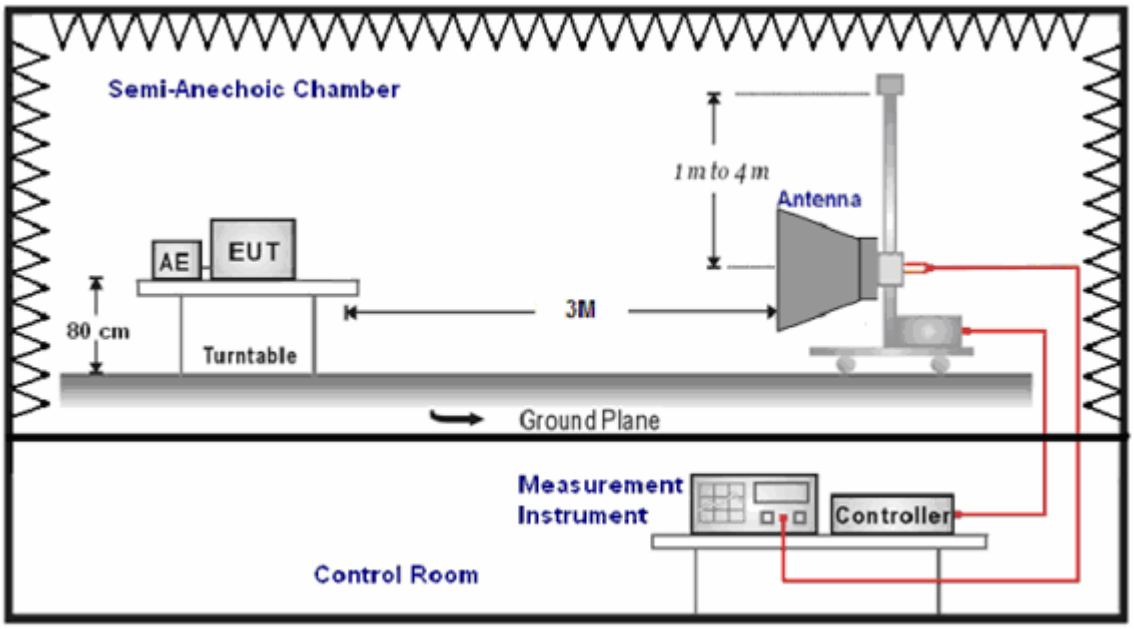
Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.
Note: N.C.R. = No Calibration Request.

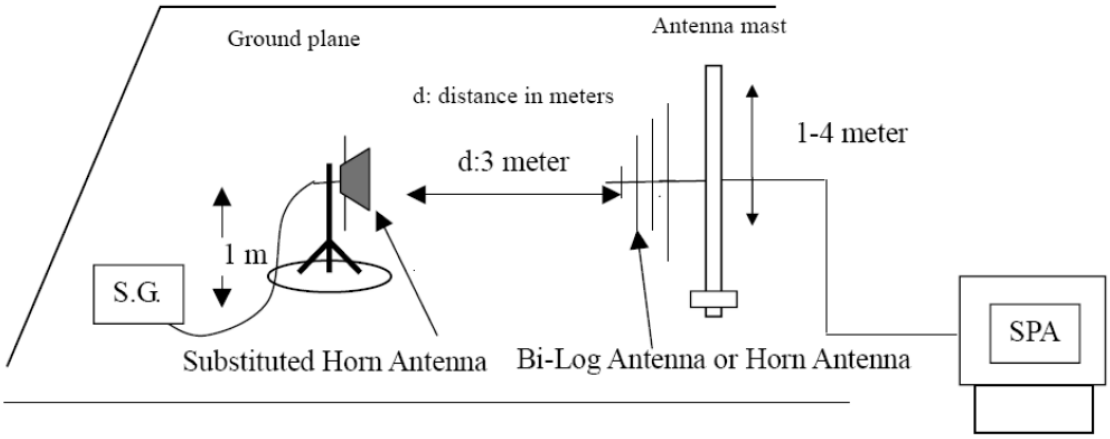
9.3. Setup

Below 1GHz



Above 1GHz


Semi-Anechoic Chamber
1 m to 4 m
Antenna
AE
EUT
80 cm
Turntable
3M
Ground Plane
Measurement
Instrument
Controller
Control Room


Ground plane
Antenna mast
d: distance in meters
d:3 meter
1-4 meter
1 m
S.G.
SPA
Substituted Horn Antenna
Bi-Log Antenna or Horn Antenna

9.4. Test Procedure

a. The EUT was set up for the maximum power with LTE 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). RWB and VBW is 10MHz for LTE and 5MHz for WCDMA mode.

b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G.

d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn

e. E.R.P. = E.I.R.P- 2.15 dB

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:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	158.0000	-81.64	7.90	-73.74	-13.00	-60.74	peak	H
2	341.5000	-82.12	-0.10	-82.22	-13.00	-69.22	peak	H
3	441.5000	-81.31	4.47	-76.84	-13.00	-63.84	peak	H
4	550.0000	-80.46	8.26	-72.20	-13.00	-59.20	peak	H
5	610.5000	-79.01	8.06	-70.95	-13.00	-57.95	peak	H
6	654.0000	-80.11	7.70	-72.41	-13.00	-59.41	peak	H
7	3220.000	-70.29	14.56	-55.73	-13.00	-42.73	peak	H
8	4876.000	-73.91	19.81	-54.10	-13.00	-41.10	peak	H
9	7228.000	-75.47	25.85	-49.62	-13.00	-36.62	peak	H
1	132.0000	-80.79	19.38	-61.41	-13.00	-48.41	peak	V
2	207.0000	-80.77	9.58	-71.19	-13.00	-58.19	peak	V
3	309.5000	-82.21	2.48	-79.73	-13.00	-66.73	peak	V
4	470.5000	-80.82	2.54	-78.28	-13.00	-65.28	peak	V
5	586.5000	-79.58	6.54	-73.04	-13.00	-60.04	peak	V
6	716.5000	-75.15	11.79	-63.36	-13.00	-50.36	peak	V
7	3280.000	-69.26	14.86	-54.40	-13.00	-41.40	peak	V
8	4756.000	-74.25	19.44	-54.81	-13.00	-41.81	peak	V
9	7132.000	-74.01	25.45	-48.56	-13.00	-35.56	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.23	8.40	-74.83	-13.00	-61.83	peak	H
2	203.5000	-82.41	2.53	-79.88	-13.00	-66.88	peak	H
3	302.0000	-81.72	-1.66	-83.38	-13.00	-70.38	peak	H
4	440.0000	-81.13	4.41	-76.72	-13.00	-63.72	peak	H
5	532.0000	-80.18	8.29	-71.89	-13.00	-58.89	peak	H
6	642.5000	-79.34	7.39	-71.95	-13.00	-58.95	peak	H
7	3268.000	-71.31	14.80	-56.51	-13.00	-43.51	peak	H
8	4876.000	-74.74	19.81	-54.93	-13.00	-41.93	peak	H
9	7204.000	-75.77	25.75	-50.02	-13.00	-37.02	peak	H
1	133.5000	-80.49	18.78	-61.71	-13.00	-48.71	peak	V
2	201.0000	-82.30	10.50	-71.80	-13.00	-58.80	peak	V
3	293.5000	-81.96	2.71	-79.25	-13.00	-66.25	peak	V
4	397.0000	-81.89	1.60	-80.29	-13.00	-67.29	peak	V
5	568.0000	-80.52	5.16	-75.36	-13.00	-62.36	peak	V
6	679.0000	-81.36	10.45	-70.91	-13.00	-57.91	peak	V
7	3292.000	-71.64	14.93	-56.71	-13.00	-43.71	peak	V
8	4780.000	-74.17	19.52	-54.65	-13.00	-41.65	peak	V
9	7180.000	-74.93	25.64	-49.29	-13.00	-36.29	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	160.0000	-80.57	8.40	-72.17	-13.00	-59.17	peak	H
2	364.0000	-81.17	0.49	-80.68	-13.00	-67.68	peak	H
3	484.0000	-79.79	6.41	-73.38	-13.00	-60.38	peak	H
4	562.0000	-80.05	7.99	-72.06	-13.00	-59.06	peak	H
5	639.0000	-80.50	7.37	-73.13	-13.00	-60.13	peak	H
6	703.0000	-80.39	8.08	-72.31	-13.00	-59.31	peak	H
7	3280.000	-71.77	14.86	-56.91	-13.00	-43.91	peak	H
8	4804.000	-73.44	19.59	-53.85	-13.00	-40.85	peak	H
9	7204.000	-74.79	25.75	-49.04	-13.00	-36.04	peak	H
1	133.5000	-80.33	18.78	-61.55	-13.00	-48.55	peak	V
2	200.5000	-80.46	10.57	-69.89	-13.00	-56.89	peak	V
3	302.5000	-81.74	3.05	-78.69	-13.00	-65.69	peak	V
4	366.5000	-80.89	2.47	-78.42	-13.00	-65.42	peak	V
5	544.0000	-81.29	4.52	-76.77	-13.00	-63.77	peak	V
6	667.0000	-80.54	10.23	-70.31	-13.00	-57.31	peak	V
7	3328.000	-71.32	15.12	-56.20	-13.00	-43.20	peak	V
8	4828.000	-73.08	19.66	-53.42	-13.00	-40.42	peak	V
9	7180.000	-74.66	25.64	-49.02	-13.00	-36.02	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	135.0000	-73.67	1.74	-71.93	-13.00	-58.93	peak	H
2	208.0000	-81.86	1.34	-80.52	-13.00	-67.52	peak	H
3	373.0000	-80.78	0.80	-79.98	-13.00	-66.98	peak	H
4	499.0000	-80.28	7.29	-72.99	-13.00	-59.99	peak	H
5	605.0000	-80.54	8.07	-72.47	-13.00	-59.47	peak	H
6	716.5000	-73.00	8.44	-64.56	-13.00	-51.56	peak	H
7	3232.000	-70.77	14.62	-56.15	-13.00	-43.15	peak	H
8	4720.000	-74.39	19.32	-55.07	-13.00	-42.07	peak	H
9	7180.000	-74.50	25.64	-48.86	-13.00	-35.86	peak	H
1	130.0000	-82.64	20.16	-62.48	-13.00	-49.48	peak	V
2	209.0000	-81.11	9.27	-71.84	-13.00	-58.84	peak	V
3	310.0000	-81.63	2.44	-79.19	-13.00	-66.19	peak	V
4	434.0000	-81.38	1.90	-79.48	-13.00	-66.48	peak	V
5	607.0000	-81.34	8.18	-73.16	-13.00	-60.16	peak	V
6	671.5000	-79.73	10.31	-69.42	-13.00	-56.42	peak	V
7	3148.000	-70.38	14.18	-56.20	-13.00	-43.20	peak	V
8	4732.000	-74.44	19.36	-55.08	-13.00	-42.08	peak	V
9	7120.000	-74.92	25.40	-49.52	-13.00	-36.52	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	135.5000	-74.07	1.82	-72.25	-13.00	-59.25	peak	H
2	160.0000	-81.24	8.40	-72.84	-13.00	-59.84	peak	H
3	335.5000	-81.41	-0.17	-81.58	-13.00	-68.58	peak	H
4	455.0000	-81.10	4.97	-76.13	-13.00	-63.13	peak	H
5	532.5000	-80.52	8.30	-72.22	-13.00	-59.22	peak	H
6	656.0000	-80.13	7.76	-72.37	-13.00	-59.37	peak	H
7	3244.000	-71.04	14.68	-56.36	-13.00	-43.36	peak	H
8	4804.000	-73.83	19.59	-54.24	-13.00	-41.24	peak	H
9	7168.000	-73.82	25.58	-48.24	-13.00	-35.24	peak	H
1	160.0000	-82.42	19.63	-62.79	-13.00	-49.79	peak	V
2	206.0000	-80.23	9.73	-70.50	-13.00	-57.50	peak	V
3	306.5000	-82.10	2.72	-79.38	-13.00	-66.38	peak	V
4	420.5000	-81.07	1.76	-79.31	-13.00	-66.31	peak	V
5	545.0000	-79.98	4.53	-75.45	-13.00	-62.45	peak	V
6	669.5000	-79.71	10.27	-69.44	-13.00	-56.44	peak	V
7	3196.000	-70.89	14.43	-56.46	-13.00	-43.46	peak	V
8	4732.000	-74.09	19.36	-54.73	-13.00	-41.73	peak	V
9	7120.000	-74.94	25.40	-49.54	-13.00	-36.54	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	135.5000	-73.69	1.82	-71.87	-13.00	-58.87	peak	H
2	204.0000	-82.07	2.40	-79.67	-13.00	-66.67	peak	H
3	351.0000	-80.65	0.12	-80.53	-13.00	-67.53	peak	H
4	448.5000	-80.29	4.75	-75.54	-13.00	-62.54	peak	H
5	539.0000	-80.80	8.49	-72.31	-13.00	-59.31	peak	H
6	665.5000	-80.54	7.88	-72.66	-13.00	-59.66	peak	H
7	3232.000	-70.73	14.62	-56.11	-13.00	-43.11	peak	H
8	4768.000	-75.07	19.48	-55.59	-13.00	-42.59	peak	H
9	7216.000	-74.01	25.79	-48.22	-13.00	-35.22	peak	H
1	133.0000	-81.08	18.96	-62.12	-13.00	-49.12	peak	V
2	200.5000	-82.41	10.57	-71.84	-13.00	-58.84	peak	V
3	336.0000	-80.61	1.61	-79.00	-13.00	-66.00	peak	V
4	428.0000	-81.02	1.84	-79.18	-13.00	-66.18	peak	V
5	528.0000	-79.88	3.85	-76.03	-13.00	-63.03	peak	V
6	655.5000	-80.66	9.89	-70.77	-13.00	-57.77	peak	V
7	3196.000	-71.58	14.43	-57.15	-13.00	-44.15	peak	V
8	4720.000	-74.83	19.32	-55.51	-13.00	-42.51	peak	V
9	7180.000	-73.63	25.64	-47.99	-13.00	-34.99	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	134.0000	-75.46	1.59	-73.87	-13.00	-60.87	peak	H
2	200.0000	-83.73	3.45	-80.28	-13.00	-67.28	peak	H
3	348.5000	-81.18	0.06	-81.12	-13.00	-68.12	peak	H
4	420.5000	-79.89	3.86	-76.03	-13.00	-63.03	peak	H
5	576.0000	-79.68	7.77	-71.91	-13.00	-58.91	peak	H
6	655.0000	-79.99	7.72	-72.27	-13.00	-59.27	peak	H
7	3232.000	-70.02	14.62	-55.40	-13.00	-42.40	peak	H
8	4804.000	-74.34	19.59	-54.75	-13.00	-41.75	peak	H
9	7120.000	-73.45	25.40	-48.05	-13.00	-35.05	peak	H
1	130.0000	-82.82	20.16	-62.66	-13.00	-49.66	peak	V
2	203.0000	-82.71	10.20	-72.51	-13.00	-59.51	peak	V
3	295.5000	-81.48	2.88	-78.60	-13.00	-65.60	peak	V
4	405.0000	-80.39	1.61	-78.78	-13.00	-65.78	peak	V
5	567.0000	-80.82	5.09	-75.73	-13.00	-62.73	peak	V
6	661.0000	-81.29	10.11	-71.18	-13.00	-58.18	peak	V
7	3244.000	-70.41	14.68	-55.73	-13.00	-42.73	peak	V
8	4804.000	-74.44	19.59	-54.85	-13.00	-41.85	peak	V
9	7276.000	-74.82	26.04	-48.78	-13.00	-35.78	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	135.0000	-76.52	1.74	-74.78	-13.00	-61.78	peak	H
2	207.0000	-83.03	1.60	-81.43	-13.00	-68.43	peak	H
3	345.5000	-82.26	-0.01	-82.27	-13.00	-69.27	peak	H
4	452.0000	-80.35	4.86	-75.49	-13.00	-62.49	peak	H
5	575.5000	-80.74	7.77	-72.97	-13.00	-59.97	peak	H
6	697.0000	-81.31	7.99	-73.32	-13.00	-60.32	peak	H
7	3268.000	-70.14	14.80	-55.34	-13.00	-42.34	peak	H
8	4912.000	-72.79	19.92	-52.87	-13.00	-39.87	peak	H
9	7264.000	-75.59	25.99	-49.60	-13.00	-36.60	peak	H
1	130.5000	-81.88	19.96	-61.92	-13.00	-48.92	peak	V
2	205.5000	-81.58	9.80	-71.78	-13.00	-58.78	peak	V
3	293.0000	-80.23	2.66	-77.57	-13.00	-64.57	peak	V
4	387.5000	-80.70	1.76	-78.94	-13.00	-65.94	peak	V
5	541.5000	-80.79	4.52	-76.27	-13.00	-63.27	peak	V
6	670.5000	-79.57	10.30	-69.27	-13.00	-56.27	peak	V
7	3280.000	-71.15	14.86	-56.29	-13.00	-43.29	peak	V
8	4768.000	-73.73	19.48	-54.25	-13.00	-41.25	peak	V
9	7276.000	-76.25	26.04	-50.21	-13.00	-37.21	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	134.0000	-73.55	1.59	-71.96	-13.00	-58.96	peak	H
2	159.5000	-80.33	8.28	-72.05	-13.00	-59.05	peak	H
3	354.5000	-81.92	0.21	-81.71	-13.00	-68.71	peak	H
4	503.5000	-80.28	7.45	-72.83	-13.00	-59.83	peak	H
5	607.5000	-80.22	8.07	-72.15	-13.00	-59.15	peak	H
6	672.0000	-80.46	7.90	-72.56	-13.00	-59.56	peak	H
7	3232.000	-70.50	14.62	-55.88	-13.00	-42.88	peak	H
8	4756.000	-74.35	19.44	-54.91	-13.00	-41.91	peak	H
9	7348.000	-75.28	26.35	-48.93	-13.00	-35.93	peak	H
1	134.5000	-79.03	18.38	-60.65	-13.00	-47.65	peak	V
2	202.5000	-81.95	10.27	-71.68	-13.00	-58.68	peak	V
3	305.5000	-82.19	2.81	-79.38	-13.00	-66.38	peak	V
4	420.0000	-81.17	1.75	-79.42	-13.00	-66.42	peak	V
5	590.0000	-81.72	6.81	-74.91	-13.00	-61.91	peak	V
6	705.5000	-81.28	11.42	-69.86	-13.00	-56.86	peak	V
7	3244.000	-70.36	14.68	-55.68	-13.00	-42.68	peak	V
8	4804.000	-72.76	19.59	-53.17	-13.00	-40.17	peak	V
9	7300.000	-75.71	26.14	-49.57	-13.00	-36.57	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	135.0000	-73.10	1.74	-71.36	-13.00	-58.36	peak	H
2	201.5000	-82.04	3.06	-78.98	-13.00	-65.98	peak	H
3	320.0000	-81.25	-0.36	-81.61	-13.00	-68.61	peak	H
4	464.0000	-80.21	5.34	-74.87	-13.00	-61.87	peak	H
5	576.5000	-79.59	7.76	-71.83	-13.00	-58.83	peak	H
6	716.5000	-76.42	8.44	-67.98	-13.00	-54.98	peak	H
7	3292.000	-70.40	14.93	-55.47	-13.00	-42.47	peak	H
8	4768.000	-72.60	19.48	-53.12	-13.00	-40.12	peak	H
9	7216.000	-74.86	25.79	-49.07	-13.00	-36.07	peak	H
1	130.5000	-80.98	19.96	-61.02	-13.00	-48.02	peak	V
2	204.5000	-81.73	9.97	-71.76	-13.00	-58.76	peak	V
3	289.0000	-81.76	2.31	-79.45	-13.00	-66.45	peak	V
4	363.0000	-82.11	2.60	-79.51	-13.00	-66.51	peak	V
5	536.5000	-80.62	4.31	-76.31	-13.00	-63.31	peak	V
6	708.0000	-81.77	11.51	-70.26	-13.00	-57.26	peak	V
7	3232.000	-68.24	14.62	-53.62	-13.00	-40.62	peak	V
8	4780.000	-73.22	19.52	-53.70	-13.00	-40.70	peak	V
9	7156.000	-74.74	25.54	-49.20	-13.00	-36.20	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	160.0000	-80.74	8.40	-72.34	-13.00	-59.34	peak	H
2	330.0000	-82.04	-0.22	-82.26	-13.00	-69.26	peak	H
3	414.0000	-80.58	3.52	-77.06	-13.00	-64.06	peak	H
4	543.0000	-80.08	8.43	-71.65	-13.00	-58.65	peak	H
5	624.5000	-80.89	7.93	-72.96	-13.00	-59.96	peak	H
6	716.5000	-76.62	8.44	-68.18	-13.00	-55.18	peak	H
7	3292.000	-71.79	14.93	-56.86	-13.00	-43.86	peak	H
8	4780.000	-73.82	19.52	-54.30	-13.00	-41.30	peak	H
9	7120.000	-75.08	25.40	-49.68	-13.00	-36.68	peak	H
1	132.0000	-80.52	19.38	-61.14	-13.00	-48.14	peak	V
2	206.5000	-80.85	9.65	-71.20	-13.00	-58.20	peak	V
3	302.0000	-82.28	3.10	-79.18	-13.00	-66.18	peak	V
4	412.0000	-80.29	1.68	-78.61	-13.00	-65.61	peak	V
5	538.0000	-80.33	4.41	-75.92	-13.00	-62.92	peak	V
6	694.5000	-80.94	11.02	-69.92	-13.00	-56.92	peak	V
7	3280.000	-71.16	14.86	-56.30	-13.00	-43.30	peak	V
8	4756.000	-74.19	19.44	-54.75	-13.00	-41.75	peak	V
9	7156.000	-72.63	25.54	-47.09	-13.00	-34.09	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	160.5000	-81.20	7.94	-73.26	-13.00	-60.26	peak	H
2	313.5000	-80.88	-0.83	-81.71	-13.00	-68.71	peak	H
3	426.5000	-81.07	4.04	-77.03	-13.00	-64.03	peak	H
4	545.0000	-79.64	8.39	-71.25	-13.00	-58.25	peak	H
5	631.0000	-81.48	7.68	-73.80	-13.00	-60.80	peak	H
6	716.5000	-79.05	8.44	-70.61	-13.00	-57.61	peak	H
7	3172.000	-70.26	14.30	-55.96	-13.00	-42.96	peak	H
8	4816.000	-73.83	19.63	-54.20	-13.00	-41.20	peak	H
9	7300.000	-75.92	26.14	-49.78	-13.00	-36.78	peak	H
1	131.0000	-81.27	19.76	-61.51	-13.00	-48.51	peak	V
2	200.5000	-82.58	10.57	-72.01	-13.00	-59.01	peak	V
3	304.0000	-81.71	2.92	-78.79	-13.00	-65.79	peak	V
4	429.0000	-81.21	1.86	-79.35	-13.00	-66.35	peak	V
5	582.5000	-78.82	6.23	-72.59	-13.00	-59.59	peak	V
6	690.0000	-80.84	10.85	-69.99	-13.00	-56.99	peak	V
7	3268.000	-69.26	14.80	-54.46	-13.00	-41.46	peak	V
8	4720.000	-73.58	19.32	-54.26	-13.00	-41.26	peak	V
9	7156.000	-74.40	25.54	-48.86	-13.00	-35.86	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	160.0000	-81.39	8.40	-72.99	-13.00	-59.99	peak	H
2	319.5000	-82.09	-0.39	-82.48	-13.00	-69.48	peak	H
3	469.0000	-81.58	5.60	-75.98	-13.00	-62.98	peak	H
4	538.5000	-80.11	8.47	-71.64	-13.00	-58.64	peak	H
5	648.0000	-80.35	7.54	-72.81	-13.00	-59.81	peak	H
6	716.5000	-79.19	8.44	-70.75	-13.00	-57.75	peak	H
7	3280.000	-70.08	14.86	-55.22	-13.00	-42.22	peak	H
8	4804.000	-73.13	19.59	-53.54	-13.00	-40.54	peak	H
9	7168.000	-74.86	25.58	-49.28	-13.00	-36.28	peak	H
1	130.5000	-82.61	19.96	-62.65	-13.00	-49.65	peak	V
2	207.5000	-81.20	9.50	-71.70	-13.00	-58.70	peak	V
3	299.5000	-81.91	3.21	-78.70	-13.00	-65.70	peak	V
4	418.5000	-79.91	1.75	-78.16	-13.00	-65.16	peak	V
5	508.5000	-79.74	3.25	-76.49	-13.00	-63.49	peak	V
6	708.0000	-81.74	11.51	-70.23	-13.00	-57.23	peak	V
7	3268.000	-70.53	14.80	-55.73	-13.00	-42.73	peak	V
8	4816.000	-72.75	19.63	-53.12	-13.00	-40.12	peak	V
9	7084.000	-74.77	25.25	-49.52	-13.00	-36.52	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	137.5000	-74.60	2.12	-72.48	-13.00	-59.48	peak	H
2	203.0000	-81.83	2.67	-79.16	-13.00	-66.16	peak	H
3	294.5000	-82.13	-2.32	-84.45	-13.00	-71.45	peak	H
4	421.0000	-82.25	3.87	-78.38	-13.00	-65.38	peak	H
5	538.0000	-79.76	8.46	-71.30	-13.00	-58.30	peak	H
6	668.0000	-80.99	7.90	-73.09	-13.00	-60.09	peak	H
7	3292.000	-70.69	14.93	-55.76	-13.00	-42.76	peak	H
8	4816.000	-74.14	19.63	-54.51	-13.00	-41.51	peak	H
9	7264.000	-75.35	25.99	-49.36	-13.00	-36.36	peak	H
1	130.5000	-81.47	19.96	-61.51	-13.00	-48.51	peak	V
2	204.0000	-82.68	10.04	-72.64	-13.00	-59.64	peak	V
3	293.0000	-81.08	2.66	-78.42	-13.00	-65.42	peak	V
4	382.0000	-81.69	1.85	-79.84	-13.00	-66.84	peak	V
5	595.5000	-81.68	7.23	-74.45	-13.00	-61.45	peak	V
6	703.0000	-80.80	11.34	-69.46	-13.00	-56.46	peak	V
7	3292.000	-71.92	14.93	-56.99	-13.00	-43.99	peak	V
8	4720.000	-73.85	19.32	-54.53	-13.00	-41.53	peak	V
9	7228.000	-75.08	25.85	-49.23	-13.00	-36.23	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	159.5000	-81.94	8.28	-73.66	-13.00	-60.66	peak	H
2	201.0000	-83.03	3.19	-79.84	-13.00	-66.84	peak	H
3	336.0000	-81.85	-0.18	-82.03	-13.00	-69.03	peak	H
4	419.0000	-80.76	3.80	-76.96	-13.00	-63.96	peak	H
5	546.5000	-80.32	8.35	-71.97	-13.00	-58.97	peak	H
6	716.5000	-78.56	8.44	-70.12	-13.00	-57.12	peak	H
7	3292.000	-71.66	14.93	-56.73	-13.00	-43.73	peak	H
8	4852.000	-72.40	19.74	-52.66	-13.00	-39.66	peak	H
9	7180.000	-75.67	25.64	-50.03	-13.00	-37.03	peak	H
1	128.5000	-80.35	18.37	-61.98	-13.00	-48.98	peak	V
2	206.5000	-81.01	9.65	-71.36	-13.00	-58.36	peak	V
3	299.5000	-82.67	3.21	-79.46	-13.00	-66.46	peak	V
4	375.5000	-81.66	2.08	-79.58	-13.00	-66.58	peak	V
5	513.5000	-77.45	3.33	-74.12	-13.00	-61.12	peak	V
6	666.0000	-81.40	10.21	-71.19	-13.00	-58.19	peak	V
7	3196.000	-69.57	14.43	-55.14	-13.00	-42.14	peak	V
8	4816.000	-75.22	19.63	-55.59	-13.00	-42.59	peak	V
9	7228.000	-75.05	25.85	-49.20	-13.00	-36.20	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	157.0000	-81.80	7.66	-74.14	-13.00	-61.14	peak	H
2	320.5000	-80.67	-0.34	-81.01	-13.00	-68.01	peak	H
3	416.0000	-77.67	3.62	-74.05	-13.00	-61.05	peak	H
4	505.5000	-81.16	7.51	-73.65	-13.00	-60.65	peak	H
5	606.0000	-80.14	8.07	-72.07	-13.00	-59.07	peak	H
6	716.5000	-78.60	8.44	-70.16	-13.00	-57.16	peak	H
7	3292.000	-71.90	14.93	-56.97	-13.00	-43.97	peak	H
8	4828.000	-74.80	19.66	-55.14	-13.00	-42.14	peak	H
9	7120.000	-73.88	25.40	-48.48	-13.00	-35.48	peak	H
1	130.5000	-81.51	19.96	-61.55	-13.00	-48.55	peak	V
2	208.0000	-81.86	9.42	-72.44	-13.00	-59.44	peak	V
3	304.5000	-81.79	2.89	-78.90	-13.00	-65.90	peak	V
4	393.5000	-81.02	1.66	-79.36	-13.00	-66.36	peak	V
5	535.5000	-80.01	4.27	-75.74	-13.00	-62.74	peak	V
6	705.5000	-81.63	11.42	-70.21	-13.00	-57.21	peak	V
7	3244.000	-69.63	14.68	-54.95	-13.00	-41.95	peak	V
8	4756.000	-72.80	19.44	-53.36	-13.00	-40.36	peak	V
9	7120.000	-75.13	25.40	-49.73	-13.00	-36.73	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	160.0000	-82.13	8.40	-73.73	-13.00	-60.73	peak	H
2	330.0000	-81.46	-0.22	-81.68	-13.00	-68.68	peak	H
3	435.0000	-81.85	4.28	-77.57	-13.00	-64.57	peak	H
4	538.0000	-80.69	8.46	-72.23	-13.00	-59.23	peak	H
5	618.5000	-80.73	8.08	-72.65	-13.00	-59.65	peak	H
6	665.5000	-80.90	7.88	-73.02	-13.00	-60.02	peak	H
7	3244.000	-70.49	14.68	-55.81	-13.00	-42.81	peak	H
8	4768.000	-74.87	19.48	-55.39	-13.00	-42.39	peak	H
9	7264.000	-74.34	25.99	-48.35	-13.00	-35.35	peak	H
1	130.5000	-79.81	19.96	-59.85	-13.00	-46.85	peak	V
2	203.5000	-81.90	10.12	-71.78	-13.00	-58.78	peak	V
3	304.0000	-81.47	2.92	-78.55	-13.00	-65.55	peak	V
4	398.0000	-80.47	1.59	-78.88	-13.00	-65.88	peak	V
5	517.5000	-77.06	3.38	-73.68	-13.00	-60.68	peak	V
6	623.0000	-81.12	9.25	-71.87	-13.00	-58.87	peak	V
7	3292.000	-71.90	14.93	-56.97	-13.00	-43.97	peak	V
8	4708.000	-74.97	19.29	-55.68	-13.00	-42.68	peak	V
9	7120.000	-74.66	25.40	-49.26	-13.00	-36.26	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	159.5000	-82.71	8.28	-74.43	-13.00	-61.43	peak	H
2	200.0000	-81.71	3.45	-78.26	-13.00	-65.26	peak	H
3	308.0000	-80.80	-1.23	-82.03	-13.00	-69.03	peak	H
4	413.5000	-80.66	3.50	-77.16	-13.00	-64.16	peak	H
5	531.5000	-80.34	8.28	-72.06	-13.00	-59.06	peak	H
6	633.0000	-80.33	7.60	-72.73	-13.00	-59.73	peak	H
7	3268.000	-71.12	14.80	-56.32	-13.00	-43.32	peak	H
8	4768.000	-74.08	19.48	-54.60	-13.00	-41.60	peak	H
9	7168.000	-75.44	25.58	-49.86	-13.00	-36.86	peak	H
1	130.5000	-82.08	19.96	-62.12	-13.00	-49.12	peak	V
2	203.5000	-82.84	10.12	-72.72	-13.00	-59.72	peak	V
3	362.0000	-80.54	2.65	-77.89	-13.00	-64.89	peak	V
4	440.5000	-77.29	1.98	-75.31	-13.00	-62.31	peak	V
5	573.5000	-81.45	5.56	-75.89	-13.00	-62.89	peak	V
6	689.5000	-79.87	10.83	-69.04	-13.00	-56.04	peak	V
7	3268.000	-69.98	14.80	-55.18	-13.00	-42.18	peak	V
8	4768.000	-73.39	19.48	-53.91	-13.00	-40.91	peak	V
9	7228.000	-74.63	25.85	-48.78	-13.00	-35.78	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	135.5000	-73.14	1.82	-71.32	-13.00	-58.32	peak	H
2	207.0000	-81.95	1.60	-80.35	-13.00	-67.35	peak	H
3	353.5000	-81.76	0.18	-81.58	-13.00	-68.58	peak	H
4	494.5000	-81.46	7.03	-74.43	-13.00	-61.43	peak	H
5	597.5000	-79.18	8.03	-71.15	-13.00	-58.15	peak	H
6	688.5000	-79.95	7.95	-72.00	-13.00	-59.00	peak	H
7	3172.000	-69.46	14.30	-55.16	-13.00	-42.16	peak	H
8	4732.000	-74.40	19.36	-55.04	-13.00	-42.04	peak	H
9	7168.000	-75.61	25.58	-50.03	-13.00	-37.03	peak	H
1	132.0000	-80.52	19.38	-61.14	-13.00	-48.14	peak	V
2	213.0000	-81.33	8.11	-73.22	-13.00	-60.22	peak	V
3	313.0000	-80.76	2.18	-78.58	-13.00	-65.58	peak	V
4	433.5000	-81.25	1.90	-79.35	-13.00	-66.35	peak	V
5	537.0000	-80.73	4.34	-76.39	-13.00	-63.39	peak	V
6	673.5000	-79.72	10.35	-69.37	-13.00	-56.37	peak	V
7	3244.000	-70.51	14.68	-55.83	-13.00	-42.83	peak	V
8	4864.000	-73.29	19.77	-53.52	-13.00	-40.52	peak	V
9	7276.000	-75.59	26.04	-49.55	-13.00	-36.55	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	134.5000	-72.83	1.67	-71.16	-13.00	-58.16	peak	H
2	204.0000	-82.50	2.40	-80.10	-13.00	-67.10	peak	H
3	330.5000	-80.86	-0.22	-81.08	-13.00	-68.08	peak	H
4	439.5000	-81.68	4.40	-77.28	-13.00	-64.28	peak	H
5	517.5000	-79.68	7.88	-71.80	-13.00	-58.80	peak	H
6	622.0000	-80.08	7.99	-72.09	-13.00	-59.09	peak	H
7	3184.000	-71.35	14.37	-56.98	-13.00	-43.98	peak	H
8	4768.000	-73.22	19.48	-53.74	-13.00	-40.74	peak	H
9	7168.000	-75.05	25.58	-49.47	-13.00	-36.47	peak	H
1	132.5000	-82.31	19.17	-63.14	-13.00	-50.14	peak	V
2	212.0000	-80.57	8.45	-72.12	-13.00	-59.12	peak	V
3	314.0000	-81.84	2.11	-79.73	-13.00	-66.73	peak	V
4	476.5000	-81.00	2.71	-78.29	-13.00	-65.29	peak	V
5	583.5000	-80.00	6.31	-73.69	-13.00	-60.69	peak	V
6	689.5000	-80.46	10.83	-69.63	-13.00	-56.63	peak	V
7	3316.000	-71.22	15.05	-56.17	-13.00	-43.17	peak	V
8	4804.000	-73.47	19.59	-53.88	-13.00	-40.88	peak	V
9	7132.000	-75.33	25.45	-49.88	-13.00	-36.88	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	135.0000	-75.66	1.74	-73.92	-13.00	-60.92	peak	H
2	201.0000	-83.50	3.19	-80.31	-13.00	-67.31	peak	H
3	360.5000	-80.55	0.37	-80.18	-13.00	-67.18	peak	H
4	506.5000	-80.73	7.56	-73.17	-13.00	-60.17	peak	H
5	617.0000	-81.38	8.07	-73.31	-13.00	-60.31	peak	H
6	676.0000	-81.22	7.91	-73.31	-13.00	-60.31	peak	H
7	3328.000	-70.45	15.12	-55.33	-13.00	-42.33	peak	H
8	4768.000	-73.85	19.48	-54.37	-13.00	-41.37	peak	H
9	7132.000	-74.67	25.45	-49.22	-13.00	-36.22	peak	H
1	135.0000	-79.14	18.18	-60.96	-13.00	-47.96	peak	V
2	202.5000	-81.35	10.27	-71.08	-13.00	-58.08	peak	V
3	291.5000	-81.71	2.54	-79.17	-13.00	-66.17	peak	V
4	366.5000	-81.37	2.47	-78.90	-13.00	-65.90	peak	V
5	541.0000	-80.99	4.52	-76.47	-13.00	-63.47	peak	V
6	680.0000	-81.57	10.46	-71.11	-13.00	-58.11	peak	V
7	3292.000	-71.45	14.93	-56.52	-13.00	-43.52	peak	V
8	4708.000	-73.37	19.29	-54.08	-13.00	-41.08	peak	V
9	7132.000	-74.54	25.45	-49.09	-13.00	-36.09	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	160.5000	-82.54	7.94	-74.60	-13.00	-61.60	peak	H
2	326.5000	-80.38	-0.26	-80.64	-13.00	-67.64	peak	H
3	455.5000	-79.40	4.99	-74.41	-13.00	-61.41	peak	H
4	538.0000	-80.44	8.46	-71.98	-13.00	-58.98	peak	H
5	631.0000	-80.19	7.68	-72.51	-13.00	-59.51	peak	H
6	716.5000	-78.40	8.44	-69.96	-13.00	-56.96	peak	H
7	3232.000	-70.64	14.62	-56.02	-13.00	-43.02	peak	H
8	4756.000	-73.23	19.44	-53.79	-13.00	-40.79	peak	H
9	7204.000	-72.75	25.75	-47.00	-13.00	-34.00	peak	H
1	130.0000	-80.01	20.16	-59.85	-13.00	-46.85	peak	V
2	203.5000	-81.34	10.12	-71.22	-13.00	-58.22	peak	V
3	307.0000	-80.65	2.68	-77.97	-13.00	-64.97	peak	V
4	440.0000	-79.89	1.96	-77.93	-13.00	-64.93	peak	V
5	585.0000	-80.64	6.42	-74.22	-13.00	-61.22	peak	V
6	703.5000	-81.20	11.35	-69.85	-13.00	-56.85	peak	V
7	3316.000	-69.01	15.05	-53.96	-13.00	-40.96	peak	V
8	4684.000	-74.69	19.21	-55.48	-13.00	-42.48	peak	V
9	7168.000	-74.22	25.58	-48.64	-13.00	-35.64	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	159.0000	-81.98	8.16	-73.82	-13.00	-60.82	peak	H
2	203.5000	-81.90	2.53	-79.37	-13.00	-66.37	peak	H
3	345.0000	-82.10	-0.02	-82.12	-13.00	-69.12	peak	H
4	492.0000	-81.71	6.88	-74.83	-13.00	-61.83	peak	H
5	615.5000	-79.78	8.07	-71.71	-13.00	-58.71	peak	H
6	678.5000	-80.65	7.92	-72.73	-13.00	-59.73	peak	H
7	3316.000	-69.83	15.05	-54.78	-13.00	-41.78	peak	H
8	4756.000	-72.87	19.44	-53.43	-13.00	-40.43	peak	H
9	7168.000	-74.30	25.58	-48.72	-13.00	-35.72	peak	H
1	130.0000	-81.87	20.16	-61.71	-13.00	-48.71	peak	V
2	202.5000	-80.25	10.27	-69.98	-13.00	-56.98	peak	V
3	292.0000	-81.92	2.59	-79.33	-13.00	-66.33	peak	V
4	420.0000	-81.73	1.75	-79.98	-13.00	-66.98	peak	V
5	579.0000	-80.60	5.96	-74.64	-13.00	-61.64	peak	V
6	670.0000	-79.06	10.30	-68.76	-13.00	-55.76	peak	V
7	3244.000	-70.77	14.68	-56.09	-13.00	-43.09	peak	V
8	4708.000	-73.99	19.29	-54.70	-13.00	-41.70	peak	V
9	7228.000	-74.74	25.85	-48.89	-13.00	-35.89	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 2	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	134.5000	-77.36	1.67	-75.69	-13.00	-62.69	peak	H
2	341.0000	-81.07	-0.12	-81.19	-13.00	-68.19	peak	H
3	429.0000	-81.59	4.11	-77.48	-13.00	-64.48	peak	H
4	530.0000	-79.96	8.24	-71.72	-13.00	-58.72	peak	H
5	624.5000	-79.83	7.93	-71.90	-13.00	-58.90	peak	H
6	711.0000	-80.79	8.29	-72.50	-13.00	-59.50	peak	H
7	3268.000	-70.05	14.80	-55.25	-13.00	-42.25	peak	H
8	4864.000	-73.82	19.77	-54.05	-13.00	-41.05	peak	H
9	7204.000	-75.36	25.75	-49.61	-13.00	-36.61	peak	H
1	130.5000	-81.78	19.96	-61.82	-13.00	-48.82	peak	V
2	204.5000	-82.41	9.97	-72.44	-13.00	-59.44	peak	V
3	301.5000	-82.30	3.14	-79.16	-13.00	-66.16	peak	V
4	406.5000	-81.19	1.61	-79.58	-13.00	-66.58	peak	V
5	532.5000	-80.46	4.10	-76.36	-13.00	-63.36	peak	V
6	691.0000	-79.58	10.89	-68.69	-13.00	-55.69	peak	V
7	3292.000	-71.86	14.93	-56.93	-13.00	-43.93	peak	V
8	4756.000	-74.36	19.44	-54.92	-13.00	-41.92	peak	V
9	7168.000	-74.59	25.58	-49.01	-13.00	-36.01	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	159.5000	-81.87	8.28	-73.59	-13.00	-60.59	peak	H
2	325.0000	-82.47	-0.26	-82.73	-13.00	-69.73	peak	H
3	454.0000	-79.81	4.93	-74.88	-13.00	-61.88	peak	H
4	538.0000	-79.40	8.46	-70.94	-13.00	-57.94	peak	H
5	600.0000	-79.96	8.07	-71.89	-13.00	-58.89	peak	H
6	696.5000	-80.90	7.98	-72.92	-13.00	-59.92	peak	H
7	3292.000	-72.66	14.93	-57.73	-13.00	-44.73	peak	H
8	4780.000	-75.09	19.52	-55.57	-13.00	-42.57	peak	H
9	7204.000	-74.91	25.75	-49.16	-13.00	-36.16	peak	H
1	130.0000	-82.17	20.16	-62.01	-13.00	-49.01	peak	V
2	208.5000	-81.84	9.35	-72.49	-13.00	-59.49	peak	V
3	309.0000	-82.51	2.52	-79.99	-13.00	-66.99	peak	V
4	493.5000	-81.53	3.04	-78.49	-13.00	-65.49	peak	V
5	599.5000	-80.57	7.55	-73.02	-13.00	-60.02	peak	V
6	667.0000	-80.13	10.23	-69.90	-13.00	-56.90	peak	V
7	3328.000	-70.56	15.12	-55.44	-13.00	-42.44	peak	V
8	4804.000	-75.30	19.59	-55.71	-13.00	-42.71	peak	V
9	7180.000	-75.07	25.64	-49.43	-13.00	-36.43	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	159.5000	-83.48	8.28	-75.20	-13.00	-62.20	peak	H
2	274.0000	-81.13	-3.87	-85.00	-13.00	-72.00	peak	H
3	389.0000	-81.09	1.82	-79.27	-13.00	-66.27	peak	H
4	512.5000	-81.22	7.73	-73.49	-13.00	-60.49	peak	H
5	635.0000	-79.95	7.53	-72.42	-13.00	-59.42	peak	H
6	751.0000	-81.39	9.63	-71.76	-13.00	-58.76	peak	H
7	3316.000	-71.02	15.05	-55.97	-13.00	-42.97	peak	H
8	4780.000	-74.46	19.52	-54.94	-13.00	-41.94	peak	H
9	7168.000	-74.63	25.58	-49.05	-13.00	-36.05	peak	H
1	132.5000	-82.17	19.17	-63.00	-13.00	-50.00	peak	V
2	206.0000	-80.17	9.73	-70.44	-13.00	-57.44	peak	V
3	305.0000	-81.32	2.85	-78.47	-13.00	-65.47	peak	V
4	393.5000	-80.14	1.66	-78.48	-13.00	-65.48	peak	V
5	607.5000	-81.71	8.21	-73.50	-13.00	-60.50	peak	V
6	706.5000	-80.24	11.46	-68.78	-13.00	-55.78	peak	V
7	3316.000	-72.13	15.05	-57.08	-13.00	-44.08	peak	V
8	4756.000	-74.27	19.44	-54.83	-13.00	-41.83	peak	V
9	7252.000	-74.88	25.95	-48.93	-13.00	-35.93	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	135.0000	-76.62	1.74	-74.88	-13.00	-61.88	peak	H
2	299.5000	-79.49	-1.86	-81.35	-13.00	-68.35	peak	H
3	383.5000	-81.37	1.33	-80.04	-13.00	-67.04	peak	H
4	485.5000	-81.17	6.50	-74.67	-13.00	-61.67	peak	H
5	612.5000	-79.35	8.08	-71.27	-13.00	-58.27	peak	H
6	720.0000	-80.64	8.53	-72.11	-13.00	-59.11	peak	H
7	3268.000	-70.86	14.80	-56.06	-13.00	-43.06	peak	H
8	4780.000	-73.58	19.52	-54.06	-13.00	-41.06	peak	H
9	7204.000	-75.69	25.75	-49.94	-13.00	-36.94	peak	H
1	131.0000	-82.52	19.76	-62.76	-13.00	-49.76	peak	V
2	202.5000	-81.29	10.27	-71.02	-13.00	-58.02	peak	V
3	294.5000	-82.26	2.80	-79.46	-13.00	-66.46	peak	V
4	447.0000	-81.21	2.08	-79.13	-13.00	-66.13	peak	V
5	609.0000	-81.46	8.34	-73.12	-13.00	-60.12	peak	V
6	689.0000	-80.06	10.82	-69.24	-13.00	-56.24	peak	V
7	3280.000	-70.51	14.86	-55.65	-13.00	-42.65	peak	V
8	4756.000	-73.39	19.44	-53.95	-13.00	-40.95	peak	V
9	7204.000	-75.16	25.75	-49.41	-13.00	-36.41	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	159.5000	-79.66	8.28	-71.38	-13.00	-58.38	peak	H
2	207.0000	-81.54	1.60	-79.94	-13.00	-66.94	peak	H
3	364.5000	-80.33	0.51	-79.82	-13.00	-66.82	peak	H
4	502.5000	-80.90	7.43	-73.47	-13.00	-60.47	peak	H
5	612.0000	-80.47	8.06	-72.41	-13.00	-59.41	peak	H
6	774.0000	-81.40	10.68	-70.72	-13.00	-57.72	peak	H
7	3232.000	-70.76	14.62	-56.14	-13.00	-43.14	peak	H
8	4756.000	-74.17	19.44	-54.73	-13.00	-41.73	peak	H
9	7228.000	-74.92	25.85	-49.07	-13.00	-36.07	peak	H
1	130.0000	-82.11	20.16	-61.95	-13.00	-48.95	peak	V
2	204.0000	-81.58	10.04	-71.54	-13.00	-58.54	peak	V
3	303.5000	-82.12	2.96	-79.16	-13.00	-66.16	peak	V
4	464.0000	-80.82	2.34	-78.48	-13.00	-65.48	peak	V
5	567.0000	-80.47	5.09	-75.38	-13.00	-62.38	peak	V
6	720.0000	-79.44	11.90	-67.54	-13.00	-54.54	peak	V
7	3232.000	-70.54	14.62	-55.92	-13.00	-42.92	peak	V
8	4780.000	-74.85	19.52	-55.33	-13.00	-42.33	peak	V
9	7168.000	-74.56	25.58	-48.98	-13.00	-35.98	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	161.5000	-82.13	7.01	-75.12	-13.00	-62.12	peak	H
2	350.5000	-80.05	0.11	-79.94	-13.00	-66.94	peak	H
3	475.5000	-80.82	5.93	-74.89	-13.00	-61.89	peak	H
4	562.5000	-79.99	7.98	-72.01	-13.00	-59.01	peak	H
5	647.0000	-78.93	7.51	-71.42	-13.00	-58.42	peak	H
6	771.5000	-81.84	10.55	-71.29	-13.00	-58.29	peak	H
7	3196.000	-70.48	14.43	-56.05	-13.00	-43.05	peak	H
8	4852.000	-74.57	19.74	-54.83	-13.00	-41.83	peak	H
9	7180.000	-74.19	25.64	-48.55	-13.00	-35.55	peak	H
1	132.0000	-81.65	19.38	-62.27	-13.00	-49.27	peak	V
2	200.0000	-82.73	10.65	-72.08	-13.00	-59.08	peak	V
3	360.0000	-81.17	2.73	-78.44	-13.00	-65.44	peak	V
4	532.5000	-81.42	4.10	-77.32	-13.00	-64.32	peak	V
5	639.5000	-79.99	9.15	-70.84	-13.00	-57.84	peak	V
6	728.0000	-79.90	11.75	-68.15	-13.00	-55.15	peak	V
7	3196.000	-70.90	14.43	-56.47	-13.00	-43.47	peak	V
8	4768.000	-74.40	19.48	-54.92	-13.00	-41.92	peak	V
9	7120.000	-75.47	25.40	-50.07	-13.00	-37.07	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	159.5000	-81.50	8.28	-73.22	-13.00	-60.22	peak	H
2	201.0000	-82.67	3.19	-79.48	-13.00	-66.48	peak	H
3	324.0000	-82.19	-0.29	-82.48	-13.00	-69.48	peak	H
4	440.5000	-78.62	4.44	-74.18	-13.00	-61.18	peak	H
5	554.0000	-80.41	8.17	-72.24	-13.00	-59.24	peak	H
6	708.0000	-80.92	8.22	-72.70	-13.00	-59.70	peak	H
7	3244.000	-70.98	14.68	-56.30	-13.00	-43.30	peak	H
8	4768.000	-74.71	19.48	-55.23	-13.00	-42.23	peak	H
9	7156.000	-74.57	25.54	-49.03	-13.00	-36.03	peak	H
1	131.5000	-81.74	19.57	-62.17	-13.00	-49.17	peak	V
2	200.0000	-82.50	10.65	-71.85	-13.00	-58.85	peak	V
3	292.0000	-81.36	2.59	-78.77	-13.00	-65.77	peak	V
4	428.5000	-80.32	1.85	-78.47	-13.00	-65.47	peak	V
5	556.5000	-80.41	4.57	-75.84	-13.00	-62.84	peak	V
6	694.0000	-80.85	11.01	-69.84	-13.00	-56.84	peak	V
7	3268.000	-70.66	14.80	-55.86	-13.00	-42.86	peak	V
8	4756.000	-73.64	19.44	-54.20	-13.00	-41.20	peak	V
9	7132.000	-75.55	25.45	-50.10	-13.00	-37.10	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	161.0000	-82.83	7.47	-75.36	-13.00	-62.36	peak	H
2	203.5000	-82.08	2.53	-79.55	-13.00	-66.55	peak	H
3	316.0000	-81.54	-0.65	-82.19	-13.00	-69.19	peak	H
4	432.0000	-80.88	4.20	-76.68	-13.00	-63.68	peak	H
5	563.0000	-80.15	7.98	-72.17	-13.00	-59.17	peak	H
6	660.0000	-80.79	7.87	-72.92	-13.00	-59.92	peak	H
7	3280.000	-71.91	14.86	-57.05	-13.00	-44.05	peak	H
8	4720.000	-74.31	19.32	-54.99	-13.00	-41.99	peak	H
9	7156.000	-73.12	25.54	-47.58	-13.00	-34.58	peak	H
1	132.5000	-80.46	19.17	-61.29	-13.00	-48.29	peak	V
2	200.5000	-82.47	10.57	-71.90	-13.00	-58.90	peak	V
3	345.5000	-81.58	1.91	-79.67	-13.00	-66.67	peak	V
4	486.0000	-80.39	2.93	-77.46	-13.00	-64.46	peak	V
5	659.5000	-81.36	10.08	-71.28	-13.00	-58.28	peak	V
6	757.5000	-81.05	11.81	-69.24	-13.00	-56.24	peak	V
7	3280.000	-70.44	14.86	-55.58	-13.00	-42.58	peak	V
8	4768.000	-74.20	19.48	-54.72	-13.00	-41.72	peak	V
9	7108.000	-74.60	25.35	-49.25	-13.00	-36.25	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	158.5000	-82.95	8.03	-74.92	-13.00	-61.92	peak	H
2	340.5000	-81.07	-0.12	-81.19	-13.00	-68.19	peak	H
3	449.0000	-79.49	4.78	-74.71	-13.00	-61.71	peak	H
4	514.5000	-77.71	7.78	-69.93	-13.00	-56.93	peak	H
5	676.0000	-80.86	7.91	-72.95	-13.00	-59.95	peak	H
6	784.0000	-80.10	11.12	-68.98	-13.00	-55.98	peak	H
7	3292.000	-70.43	14.93	-55.50	-13.00	-42.50	peak	H
8	4768.000	-73.06	19.48	-53.58	-13.00	-40.58	peak	H
9	7252.000	-74.09	25.95	-48.14	-13.00	-35.14	peak	H
1	129.0000	-81.46	18.96	-62.50	-13.00	-49.50	peak	V
2	200.5000	-81.87	10.57	-71.30	-13.00	-58.30	peak	V
3	303.5000	-81.03	2.96	-78.07	-13.00	-65.07	peak	V
4	439.5000	-80.52	1.96	-78.56	-13.00	-65.56	peak	V
5	572.0000	-79.28	5.45	-73.83	-13.00	-60.83	peak	V
6	754.5000	-79.85	11.76	-68.09	-13.00	-55.09	peak	V
7	3280.000	-70.88	14.86	-56.02	-13.00	-43.02	peak	V
8	4780.000	-74.11	19.52	-54.59	-13.00	-41.59	peak	V
9	7156.000	-72.64	25.54	-47.10	-13.00	-34.10	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	159.5000	-82.51	8.28	-74.23	-13.00	-61.23	peak	H
2	199.5000	-82.12	3.05	-79.07	-13.00	-66.07	peak	H
3	303.0000	-81.33	-1.59	-82.92	-13.00	-69.92	peak	H
4	431.5000	-81.37	4.17	-77.20	-13.00	-64.20	peak	H
5	525.0000	-79.88	8.10	-71.78	-13.00	-58.78	peak	H
6	655.0000	-80.25	7.72	-72.53	-13.00	-59.53	peak	H
7	3196.000	-71.59	14.43	-57.16	-13.00	-44.16	peak	H
8	4756.000	-74.00	19.44	-54.56	-13.00	-41.56	peak	H
9	7216.000	-75.75	25.79	-49.96	-13.00	-36.96	peak	H
1	130.5000	-83.24	19.96	-63.28	-13.00	-50.28	peak	V
2	202.0000	-82.07	10.35	-71.72	-13.00	-58.72	peak	V
3	302.0000	-81.02	3.10	-77.92	-13.00	-64.92	peak	V
4	437.0000	-80.09	1.93	-78.16	-13.00	-65.16	peak	V
5	574.0000	-80.76	5.59	-75.17	-13.00	-62.17	peak	V
6	704.0000	-81.84	11.36	-70.48	-13.00	-57.48	peak	V
7	3232.000	-69.95	14.62	-55.33	-13.00	-42.33	peak	V
8	4732.000	-75.00	19.36	-55.64	-13.00	-42.64	peak	V
9	7216.000	-74.55	25.79	-48.76	-13.00	-35.76	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	160.5000	-82.93	7.94	-74.99	-13.00	-61.99	peak	H
2	200.0000	-82.00	3.45	-78.55	-13.00	-65.55	peak	H
3	343.0000	-80.43	-0.07	-80.50	-13.00	-67.50	peak	H
4	493.0000	-80.01	6.95	-73.06	-13.00	-60.06	peak	H
5	554.0000	-79.82	8.17	-71.65	-13.00	-58.65	peak	H
6	692.0000	-80.65	7.97	-72.68	-13.00	-59.68	peak	H
7	3232.000	-70.75	14.62	-56.13	-13.00	-43.13	peak	H
8	4768.000	-73.38	19.48	-53.90	-13.00	-40.90	peak	H
9	7228.000	-73.58	25.85	-47.73	-13.00	-34.73	peak	H
1	131.5000	-81.07	19.57	-61.50	-13.00	-48.50	peak	V
2	200.5000	-82.69	10.57	-72.12	-13.00	-59.12	peak	V
3	299.0000	-81.85	3.17	-78.68	-13.00	-65.68	peak	V
4	452.5000	-81.18	2.15	-79.03	-13.00	-66.03	peak	V
5	588.5000	-80.64	6.70	-73.94	-13.00	-60.94	peak	V
6	718.5000	-81.53	11.85	-69.68	-13.00	-56.68	peak	V
7	3268.000	-70.59	14.80	-55.79	-13.00	-42.79	peak	V
8	4828.000	-74.59	19.66	-54.93	-13.00	-41.93	peak	V
9	7228.000	-75.25	25.85	-49.40	-13.00	-36.40	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	160.0000	-81.74	8.40	-73.34	-13.00	-60.34	peak	H
2	200.0000	-82.26	3.45	-78.81	-13.00	-65.81	peak	H
3	368.5000	-82.37	0.65	-81.72	-13.00	-68.72	peak	H
4	500.5000	-80.58	7.36	-73.22	-13.00	-60.22	peak	H
5	612.5000	-80.55	8.08	-72.47	-13.00	-59.47	peak	H
6	755.0000	-80.40	9.79	-70.61	-13.00	-57.61	peak	H
7	3244.000	-71.15	14.68	-56.47	-13.00	-43.47	peak	H
8	4756.000	-74.28	19.44	-54.84	-13.00	-41.84	peak	H
9	7180.000	-75.18	25.64	-49.54	-13.00	-36.54	peak	H
1	131.5000	-80.82	19.57	-61.25	-13.00	-48.25	peak	V
2	201.0000	-82.64	10.50	-72.14	-13.00	-59.14	peak	V
3	291.5000	-81.92	2.54	-79.38	-13.00	-66.38	peak	V
4	467.5000	-80.10	2.44	-77.66	-13.00	-64.66	peak	V
5	590.5000	-80.90	6.86	-74.04	-13.00	-61.04	peak	V
6	701.5000	-81.05	11.29	-69.76	-13.00	-56.76	peak	V
7	3244.000	-70.51	14.68	-55.83	-13.00	-42.83	peak	V
8	4804.000	-75.06	19.59	-55.47	-13.00	-42.47	peak	V
9	7180.000	-73.14	25.64	-47.50	-13.00	-34.50	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	156.5000	-81.82	7.53	-74.29	-13.00	-61.29	peak	H
2	205.0000	-81.26	2.14	-79.12	-13.00	-66.12	peak	H
3	319.5000	-82.44	-0.39	-82.83	-13.00	-69.83	peak	H
4	420.0000	-81.57	3.84	-77.73	-13.00	-64.73	peak	H
5	514.0000	-80.65	7.77	-72.88	-13.00	-59.88	peak	H
6	687.5000	-80.63	7.95	-72.68	-13.00	-59.68	peak	H
7	3268.000	-72.01	14.80	-57.21	-13.00	-44.21	peak	H
8	4804.000	-73.84	19.59	-54.25	-13.00	-41.25	peak	H
9	7180.000	-74.13	25.64	-48.49	-13.00	-35.49	peak	H
1	131.5000	-81.60	19.57	-62.03	-13.00	-49.03	peak	V
2	201.5000	-81.87	10.42	-71.45	-13.00	-58.45	peak	V
3	342.5000	-80.94	1.75	-79.19	-13.00	-66.19	peak	V
4	530.5000	-80.33	4.00	-76.33	-13.00	-63.33	peak	V
5	668.5000	-80.54	10.26	-70.28	-13.00	-57.28	peak	V
6	713.5000	-79.93	11.70	-68.23	-13.00	-55.23	peak	V
7	3232.000	-69.96	14.62	-55.34	-13.00	-42.34	peak	V
8	4816.000	-73.83	19.63	-54.20	-13.00	-41.20	peak	V
9	7168.000	-74.18	25.58	-48.60	-13.00	-35.60	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	159.5000	-82.00	8.28	-73.72	-13.00	-60.72	peak	H
2	213.0000	-80.62	0.55	-80.07	-13.00	-67.07	peak	H
3	328.5000	-81.65	-0.23	-81.88	-13.00	-68.88	peak	H
4	426.5000	-81.75	4.04	-77.71	-13.00	-64.71	peak	H
5	547.0000	-80.67	8.35	-72.32	-13.00	-59.32	peak	H
6	658.5000	-79.94	7.83	-72.11	-13.00	-59.11	peak	H
7	3316.000	-69.20	15.05	-54.15	-13.00	-41.15	peak	H
8	4780.000	-72.64	19.52	-53.12	-13.00	-40.12	peak	H
9	7180.000	-72.76	25.64	-47.12	-13.00	-34.12	peak	H
1	129.5000	-81.38	19.56	-61.82	-13.00	-48.82	peak	V
2	200.5000	-82.35	10.57	-71.78	-13.00	-58.78	peak	V
3	315.5000	-81.54	1.99	-79.55	-13.00	-66.55	peak	V
4	436.0000	-79.73	1.92	-77.81	-13.00	-64.81	peak	V
5	567.0000	-79.53	5.09	-74.44	-13.00	-61.44	peak	V
6	698.0000	-81.44	11.16	-70.28	-13.00	-57.28	peak	V
7	3292.000	-71.99	14.93	-57.06	-13.00	-44.06	peak	V
8	4816.000	-73.08	19.63	-53.45	-13.00	-40.45	peak	V
9	7228.000	-75.29	25.85	-49.44	-13.00	-36.44	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.23	8.40	-74.83	-13.00	-61.83	peak	H
2	199.5000	-82.24	3.05	-79.19	-13.00	-66.19	peak	H
3	335.5000	-80.88	-0.17	-81.05	-13.00	-68.05	peak	H
4	449.5000	-81.33	4.79	-76.54	-13.00	-63.54	peak	H
5	563.5000	-80.87	7.97	-72.90	-13.00	-59.90	peak	H
6	713.0000	-80.63	8.34	-72.29	-13.00	-59.29	peak	H
7	3292.000	-71.65	14.93	-56.72	-13.00	-43.72	peak	H
8	4756.000	-74.00	19.44	-54.56	-13.00	-41.56	peak	H
9	7180.000	-75.87	25.64	-50.23	-13.00	-37.23	peak	H
1	131.5000	-81.86	19.57	-62.29	-13.00	-49.29	peak	V
2	202.5000	-81.82	10.27	-71.55	-13.00	-58.55	peak	V
3	297.5000	-82.34	3.05	-79.29	-13.00	-66.29	peak	V
4	441.0000	-80.50	1.98	-78.52	-13.00	-65.52	peak	V
5	597.5000	-79.99	7.39	-72.60	-13.00	-59.60	peak	V
6	709.0000	-80.62	11.53	-69.09	-13.00	-56.09	peak	V
7	3280.000	-70.93	14.86	-56.07	-13.00	-43.07	peak	V
8	4756.000	-73.15	19.44	-53.71	-13.00	-40.71	peak	V
9	7120.000	-73.06	25.40	-47.66	-13.00	-34.66	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	160.0000	-82.33	8.40	-73.93	-13.00	-60.93	peak	H
2	326.5000	-81.96	-0.26	-82.22	-13.00	-69.22	peak	H
3	429.0000	-81.21	4.11	-77.10	-13.00	-64.10	peak	H
4	502.5000	-79.89	7.43	-72.46	-13.00	-59.46	peak	H
5	612.5000	-80.98	8.08	-72.90	-13.00	-59.90	peak	H
6	737.0000	-81.65	9.12	-72.53	-13.00	-59.53	peak	H
7	3268.000	-69.85	14.80	-55.05	-13.00	-42.05	peak	H
8	4804.000	-72.96	19.59	-53.37	-13.00	-40.37	peak	H
9	7228.000	-74.23	25.85	-48.38	-13.00	-35.38	peak	H
1	132.0000	-81.24	19.38	-61.86	-13.00	-48.86	peak	V
2	202.5000	-82.00	10.27	-71.73	-13.00	-58.73	peak	V
3	299.0000	-82.85	3.17	-79.68	-13.00	-66.68	peak	V
4	385.5000	-80.74	1.80	-78.94	-13.00	-65.94	peak	V
5	545.0000	-80.55	4.53	-76.02	-13.00	-63.02	peak	V
6	662.5000	-80.43	10.15	-70.28	-13.00	-57.28	peak	V
7	3316.000	-70.51	15.05	-55.46	-13.00	-42.46	peak	V
8	4828.000	-72.80	19.66	-53.14	-13.00	-40.14	peak	V
9	7180.000	-75.47	25.64	-49.83	-13.00	-36.83	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.56	8.40	-75.16	-13.00	-62.16	peak	H
2	201.5000	-82.46	3.06	-79.40	-13.00	-66.40	peak	H
3	343.0000	-81.57	-0.07	-81.64	-13.00	-68.64	peak	H
4	457.0000	-80.52	5.02	-75.50	-13.00	-62.50	peak	H
5	549.0000	-80.55	8.29	-72.26	-13.00	-59.26	peak	H
6	668.0000	-80.63	7.90	-72.73	-13.00	-59.73	peak	H
7	3292.000	-71.74	14.93	-56.81	-13.00	-43.81	peak	H
8	4756.000	-74.35	19.44	-54.91	-13.00	-41.91	peak	H
9	7072.000	-74.86	25.20	-49.66	-13.00	-36.66	peak	H
1	130.5000	-82.70	19.96	-62.74	-13.00	-49.74	peak	V
2	204.5000	-80.75	9.97	-70.78	-13.00	-57.78	peak	V
3	358.5000	-81.55	2.64	-78.91	-13.00	-65.91	peak	V
4	459.5000	-80.27	2.22	-78.05	-13.00	-65.05	peak	V
5	630.5000	-80.80	9.21	-71.59	-13.00	-58.59	peak	V
6	703.0000	-80.37	11.34	-69.03	-13.00	-56.03	peak	V
7	3280.000	-71.46	14.86	-56.60	-13.00	-43.60	peak	V
8	4852.000	-72.72	19.74	-52.98	-13.00	-39.98	peak	V
9	7132.000	-74.20	25.45	-48.75	-13.00	-35.75	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	159.0000	-83.60	8.16	-75.44	-13.00	-62.44	peak	H
2	206.0000	-79.30	1.86	-77.44	-13.00	-64.44	peak	H
3	348.5000	-82.23	0.06	-82.17	-13.00	-69.17	peak	H
4	474.0000	-80.66	5.86	-74.80	-13.00	-61.80	peak	H
5	531.0000	-80.39	8.26	-72.13	-13.00	-59.13	peak	H
6	618.5000	-80.28	8.08	-72.20	-13.00	-59.20	peak	H
7	3292.000	-72.16	14.93	-57.23	-13.00	-44.23	peak	H
8	4852.000	-72.73	19.74	-52.99	-13.00	-39.99	peak	H
9	7228.000	-75.98	25.85	-50.13	-13.00	-37.13	peak	H
1	132.5000	-81.50	19.17	-62.33	-13.00	-49.33	peak	V
2	199.5000	-80.69	10.24	-70.45	-13.00	-57.45	peak	V
3	340.5000	-81.37	1.64	-79.73	-13.00	-66.73	peak	V
4	386.0000	-79.67	1.78	-77.89	-13.00	-64.89	peak	V
5	536.5000	-79.98	4.31	-75.67	-13.00	-62.67	peak	V
6	674.0000	-80.66	10.36	-70.30	-13.00	-57.30	peak	V
7	3268.000	-69.81	14.80	-55.01	-13.00	-42.01	peak	V
8	4768.000	-73.37	19.48	-53.89	-13.00	-40.89	peak	V
9	7204.000	-72.78	25.75	-47.03	-13.00	-34.03	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	160.5000	-83.02	7.94	-75.08	-13.00	-62.08	peak	H
2	203.0000	-82.63	2.67	-79.96	-13.00	-66.96	peak	H
3	338.5000	-81.26	-0.14	-81.40	-13.00	-68.40	peak	H
4	449.5000	-82.07	4.79	-77.28	-13.00	-64.28	peak	H
5	535.0000	-80.76	8.37	-72.39	-13.00	-59.39	peak	H
6	635.0000	-79.73	7.53	-72.20	-13.00	-59.20	peak	H
7	3280.000	-71.21	14.86	-56.35	-13.00	-43.35	peak	H
8	4768.000	-72.54	19.48	-53.06	-13.00	-40.06	peak	H
9	7180.000	-73.24	25.64	-47.60	-13.00	-34.60	peak	H
1	131.5000	-81.52	19.57	-61.95	-13.00	-48.95	peak	V
2	203.5000	-82.66	10.12	-72.54	-13.00	-59.54	peak	V
3	309.5000	-81.78	2.48	-79.30	-13.00	-66.30	peak	V
4	436.0000	-80.45	1.92	-78.53	-13.00	-65.53	peak	V
5	620.0000	-80.81	9.25	-71.56	-13.00	-58.56	peak	V
6	712.5000	-81.30	11.66	-69.64	-13.00	-56.64	peak	V
7	3184.000	-70.08	14.37	-55.71	-13.00	-42.71	peak	V
8	4804.000	-73.63	19.59	-54.04	-13.00	-41.04	peak	V
9	7228.000	-74.71	25.85	-48.86	-13.00	-35.86	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	162.5000	-80.96	6.09	-74.87	-13.00	-61.87	peak	H
2	299.5000	-80.59	-1.86	-82.45	-13.00	-69.45	peak	H
3	417.0000	-81.43	3.69	-77.74	-13.00	-64.74	peak	H
4	500.5000	-80.39	7.36	-73.03	-13.00	-60.03	peak	H
5	584.0000	-79.78	7.79	-71.99	-13.00	-58.99	peak	H
6	692.5000	-81.10	7.97	-73.13	-13.00	-60.13	peak	H
7	3292.000	-72.15	14.93	-57.22	-13.00	-44.22	peak	H
8	4780.000	-73.71	19.52	-54.19	-13.00	-41.19	peak	H
9	7252.000	-75.28	25.95	-49.33	-13.00	-36.33	peak	H
1	129.5000	-82.41	19.56	-62.85	-13.00	-49.85	peak	V
2	202.5000	-80.25	10.27	-69.98	-13.00	-56.98	peak	V
3	361.5000	-81.28	2.67	-78.61	-13.00	-65.61	peak	V
4	454.0000	-80.39	2.16	-78.23	-13.00	-65.23	peak	V
5	616.5000	-79.41	8.98	-70.43	-13.00	-57.43	peak	V
6	712.0000	-80.46	11.63	-68.83	-13.00	-55.83	peak	V
7	3280.000	-71.67	14.86	-56.81	-13.00	-43.81	peak	V
8	4828.000	-73.41	19.66	-53.75	-13.00	-40.75	peak	V
9	7132.000	-74.30	25.45	-48.85	-13.00	-35.85	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	158.5000	-81.00	8.03	-72.97	-13.00	-59.97	peak	H
2	200.5000	-82.84	3.32	-79.52	-13.00	-66.52	peak	H
3	357.0000	-81.33	0.27	-81.06	-13.00	-68.06	peak	H
4	478.0000	-80.95	6.06	-74.89	-13.00	-61.89	peak	H
5	578.5000	-79.64	7.74	-71.90	-13.00	-58.90	peak	H
6	752.0000	-80.84	9.67	-71.17	-13.00	-58.17	peak	H
7	3220.000	-71.67	14.56	-57.11	-13.00	-44.11	peak	H
8	4768.000	-74.72	19.48	-55.24	-13.00	-42.24	peak	H
9	7132.000	-75.01	25.45	-49.56	-13.00	-36.56	peak	H
1	133.0000	-80.59	18.96	-61.63	-13.00	-48.63	peak	V
2	204.5000	-81.40	9.97	-71.43	-13.00	-58.43	peak	V
3	332.5000	-80.71	1.63	-79.08	-13.00	-66.08	peak	V
4	441.0000	-80.33	1.98	-78.35	-13.00	-65.35	peak	V
5	589.0000	-81.23	6.74	-74.49	-13.00	-61.49	peak	V
6	721.5000	-81.08	11.88	-69.20	-13.00	-56.20	peak	V
7	3268.000	-69.59	14.80	-54.79	-13.00	-41.79	peak	V
8	4828.000	-73.67	19.66	-54.01	-13.00	-41.01	peak	V
9	7132.000	-74.08	25.45	-48.63	-13.00	-35.63	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	159.0000	-83.63	8.16	-75.47	-13.00	-62.47	peak	H
2	202.0000	-81.97	2.92	-79.05	-13.00	-66.05	peak	H
3	341.5000	-81.26	-0.10	-81.36	-13.00	-68.36	peak	H
4	440.0000	-80.35	4.41	-75.94	-13.00	-62.94	peak	H
5	556.0000	-80.94	8.11	-72.83	-13.00	-59.83	peak	H
6	747.0000	-80.85	9.48	-71.37	-13.00	-58.37	peak	H
7	3280.000	-71.53	14.86	-56.67	-13.00	-43.67	peak	H
8	4768.000	-72.82	19.48	-53.34	-13.00	-40.34	peak	H
9	7156.000	-74.26	25.54	-48.72	-13.00	-35.72	peak	H
1	132.5000	-81.49	19.17	-62.32	-13.00	-49.32	peak	V
2	201.0000	-80.93	10.50	-70.43	-13.00	-57.43	peak	V
3	309.5000	-81.67	2.48	-79.19	-13.00	-66.19	peak	V
4	387.0000	-81.14	1.78	-79.36	-13.00	-66.36	peak	V
5	539.0000	-79.63	4.46	-75.17	-13.00	-62.17	peak	V
6	620.0000	-80.74	9.25	-71.49	-13.00	-58.49	peak	V
7	3280.000	-71.32	14.86	-56.46	-13.00	-43.46	peak	V
8	4756.000	-74.07	19.44	-54.63	-13.00	-41.63	peak	V
9	7216.000	-75.07	25.79	-49.28	-13.00	-36.28	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.60	8.40	-75.20	-13.00	-62.20	peak	H
2	209.0000	-81.16	1.07	-80.09	-13.00	-67.09	peak	H
3	341.5000	-80.12	-0.10	-80.22	-13.00	-67.22	peak	H
4	506.5000	-79.92	7.56	-72.36	-13.00	-59.36	peak	H
5	598.5000	-80.65	8.05	-72.60	-13.00	-59.60	peak	H
6	738.0000	-81.48	9.15	-72.33	-13.00	-59.33	peak	H
7	3244.000	-70.84	14.68	-56.16	-13.00	-43.16	peak	H
8	4816.000	-74.11	19.63	-54.48	-13.00	-41.48	peak	H
9	7276.000	-74.65	26.04	-48.61	-13.00	-35.61	peak	H
1	130.5000	-81.92	19.96	-61.96	-13.00	-48.96	peak	V
2	202.0000	-79.02	10.35	-68.67	-13.00	-55.67	peak	V
3	359.5000	-81.43	2.71	-78.72	-13.00	-65.72	peak	V
4	474.5000	-78.19	2.65	-75.54	-13.00	-62.54	peak	V
5	627.0000	-79.88	9.24	-70.64	-13.00	-57.64	peak	V
6	713.5000	-79.84	11.70	-68.14	-13.00	-55.14	peak	V
7	3292.000	-69.83	14.93	-54.90	-13.00	-41.90	peak	V
8	4756.000	-74.40	19.44	-54.96	-13.00	-41.96	peak	V
9	7168.000	-73.61	25.58	-48.03	-13.00	-35.03	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
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	158.0000	-82.77	7.90	-74.87	-13.00	-61.87	peak	H
2	201.0000	-83.20	3.19	-80.01	-13.00	-67.01	peak	H
3	328.0000	-81.94	-0.25	-82.19	-13.00	-69.19	peak	H
4	444.0000	-80.39	4.57	-75.82	-13.00	-62.82	peak	H
5	538.0000	-79.24	8.46	-70.78	-13.00	-57.78	peak	H
6	739.5000	-81.60	9.19	-72.41	-13.00	-59.41	peak	H
7	3220.000	-71.12	14.56	-56.56	-13.00	-43.56	peak	H
8	4756.000	-72.48	19.44	-53.04	-13.00	-40.04	peak	H
9	7168.000	-74.66	25.58	-49.08	-13.00	-36.08	peak	H
1	129.0000	-81.59	18.96	-62.63	-13.00	-49.63	peak	V
2	200.0000	-83.30	10.65	-72.65	-13.00	-59.65	peak	V
3	302.0000	-82.42	3.10	-79.32	-13.00	-66.32	peak	V
4	467.0000	-80.79	2.44	-78.35	-13.00	-65.35	peak	V
5	596.5000	-81.29	7.31	-73.98	-13.00	-60.98	peak	V
6	690.0000	-80.70	10.85	-69.85	-13.00	-56.85	peak	V
7	3268.000	-70.38	14.80	-55.58	-13.00	-42.58	peak	V
8	4804.000	-73.00	19.59	-53.41	-13.00	-40.41	peak	V
9	7132.000	-74.59	25.45	-49.14	-13.00	-36.14	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 4	Date:	04/29/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
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	159.5000	-80.85	8.28	-72.57	-13.00	-59.57	peak	H
2	206.0000	-80.48	1.86	-78.62	-13.00	-65.62	peak	H
3	345.5000	-81.78	-0.01	-81.79	-13.00	-68.79	peak	H
4	485.0000	-79.67	6.47	-73.20	-13.00	-60.20	peak	H
5	552.5000	-80.81	8.20	-72.61	-13.00	-59.61	peak	H
6	676.5000	-80.69	7.92	-72.77	-13.00	-59.77	peak	H
7	3244.000	-70.63	14.68	-55.95	-13.00	-42.95	peak	H
8	4732.000	-74.90	19.36	-55.54	-13.00	-42.54	peak	H
9	7216.000	-74.47	25.79	-48.68	-13.00	-35.68	peak	H
1	130.5000	-81.97	19.96	-62.01	-13.00	-49.01	peak	V
2	204.5000	-83.02	9.97	-73.05	-13.00	-60.05	peak	V
3	303.5000	-81.12	2.96	-78.16	-13.00	-65.16	peak	V
4	412.5000	-80.77	1.69	-79.08	-13.00	-66.08	peak	V
5	586.5000	-81.22	6.54	-74.68	-13.00	-61.68	peak	V
6	719.5000	-81.12	11.89	-69.23	-13.00	-56.23	peak	V
7	3280.000	-70.77	14.86	-55.91	-13.00	-42.91	peak	V
8	4816.000	-74.40	19.63	-54.77	-13.00	-41.77	peak	V
9	7084.000	-73.92	25.25	-48.67	-13.00	-35.67	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	160.0000	-80.48	8.40	-72.08	-13.00	-59.08	peak	H
2	200.5000	-81.43	3.32	-78.11	-13.00	-65.11	peak	H
3	321.5000	-81.68	-0.33	-82.01	-13.00	-69.01	peak	H
4	423.5000	-80.78	3.95	-76.83	-13.00	-63.83	peak	H
5	518.5000	-80.05	7.91	-72.14	-13.00	-59.14	peak	H
6	646.0000	-78.97	7.50	-71.47	-13.00	-58.47	peak	H
7	3316.000	-71.16	15.05	-56.11	-13.00	-43.11	peak	H
8	4828.000	-74.54	19.66	-54.88	-13.00	-41.88	peak	H
9	7156.000	-74.97	25.54	-49.43	-13.00	-36.43	peak	H
1	131.5000	-81.15	19.57	-61.58	-13.00	-48.58	peak	V
2	202.5000	-83.10	10.27	-72.83	-13.00	-59.83	peak	V
3	301.0000	-81.25	3.18	-78.07	-13.00	-65.07	peak	V
4	451.5000	-79.56	2.15	-77.41	-13.00	-64.41	peak	V
5	613.0000	-79.80	8.67	-71.13	-13.00	-58.13	peak	V
6	749.0000	-80.13	11.66	-68.47	-13.00	-55.47	peak	V
7	3244.000	-68.95	14.68	-54.27	-13.00	-41.27	peak	V
8	4780.000	-74.43	19.52	-54.91	-13.00	-41.91	peak	V
9	7216.000	-74.59	25.79	-48.80	-13.00	-35.80	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	157.5000	-82.05	7.77	-74.28	-13.00	-61.28	peak	H
2	199.0000	-82.21	2.66	-79.55	-13.00	-66.55	peak	H
3	321.0000	-81.34	-0.34	-81.68	-13.00	-68.68	peak	H
4	492.5000	-79.27	6.91	-72.36	-13.00	-59.36	peak	H
5	599.5000	-79.36	8.07	-71.29	-13.00	-58.29	peak	H
6	731.5000	-80.34	8.93	-71.41	-13.00	-58.41	peak	H
7	3280.000	-71.92	14.86	-57.06	-13.00	-44.06	peak	H
8	4768.000	-74.76	19.48	-55.28	-13.00	-42.28	peak	H
9	7204.000	-75.11	25.75	-49.36	-13.00	-36.36	peak	H
1	130.5000	-80.13	19.96	-60.17	-13.00	-47.17	peak	V
2	200.5000	-81.70	10.57	-71.13	-13.00	-58.13	peak	V
3	310.5000	-81.50	2.39	-79.11	-13.00	-66.11	peak	V
4	441.0000	-80.73	1.98	-78.75	-13.00	-65.75	peak	V
5	589.5000	-81.53	6.77	-74.76	-13.00	-61.76	peak	V
6	690.5000	-79.87	10.87	-69.00	-13.00	-56.00	peak	V
7	3244.000	-71.00	14.68	-56.32	-13.00	-43.32	peak	V
8	4804.000	-74.15	19.59	-54.56	-13.00	-41.56	peak	V
9	7300.000	-76.02	26.14	-49.88	-13.00	-36.88	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	160.5000	-81.32	7.94	-73.38	-13.00	-60.38	peak	H
2	200.0000	-83.28	3.45	-79.83	-13.00	-66.83	peak	H
3	361.0000	-81.64	0.38	-81.26	-13.00	-68.26	peak	H
4	527.5000	-79.77	8.16	-71.61	-13.00	-58.61	peak	H
5	608.5000	-80.12	8.06	-72.06	-13.00	-59.06	peak	H
6	764.0000	-81.42	10.18	-71.24	-13.00	-58.24	peak	H
7	3244.000	-69.46	14.68	-54.78	-13.00	-41.78	peak	H
8	4732.000	-75.72	19.36	-56.36	-13.00	-43.36	peak	H
9	7120.000	-75.43	25.40	-50.03	-13.00	-37.03	peak	H
1	129.0000	-81.29	18.96	-62.33	-13.00	-49.33	peak	V
2	200.5000	-81.98	10.57	-71.41	-13.00	-58.41	peak	V
3	299.5000	-82.67	3.21	-79.46	-13.00	-66.46	peak	V
4	491.5000	-79.65	3.00	-76.65	-13.00	-63.65	peak	V
5	639.5000	-79.67	9.15	-70.52	-13.00	-57.52	peak	V
6	716.5000	-80.74	11.79	-68.95	-13.00	-55.95	peak	V
7	3280.000	-71.66	14.86	-56.80	-13.00	-43.80	peak	V
8	4816.000	-74.30	19.63	-54.67	-13.00	-41.67	peak	V
9	7168.000	-75.37	25.58	-49.79	-13.00	-36.79	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	161.0000	-80.86	7.47	-73.39	-13.00	-60.39	peak	H
2	204.0000	-82.62	2.40	-80.22	-13.00	-67.22	peak	H
3	340.0000	-81.82	-0.14	-81.96	-13.00	-68.96	peak	H
4	458.0000	-79.17	5.06	-74.11	-13.00	-61.11	peak	H
5	559.0000	-80.76	8.04	-72.72	-13.00	-59.72	peak	H
6	672.0000	-80.92	7.90	-73.02	-13.00	-60.02	peak	H
7	3280.000	-70.43	14.86	-55.57	-13.00	-42.57	peak	H
8	4768.000	-74.38	19.48	-54.90	-13.00	-41.90	peak	H
9	7180.000	-75.62	25.64	-49.98	-13.00	-36.98	peak	H
1	129.0000	-81.08	18.96	-62.12	-13.00	-49.12	peak	V
2	200.5000	-82.34	10.57	-71.77	-13.00	-58.77	peak	V
3	323.5000	-81.13	1.63	-79.50	-13.00	-66.50	peak	V
4	441.5000	-81.19	1.98	-79.21	-13.00	-66.21	peak	V
5	506.5000	-80.08	3.22	-76.86	-13.00	-63.86	peak	V
6	665.0000	-80.84	10.19	-70.65	-13.00	-57.65	peak	V
7	3292.000	-71.69	14.93	-56.76	-13.00	-43.76	peak	V
8	4768.000	-72.26	19.48	-52.78	-13.00	-39.78	peak	V
9	7204.000	-73.85	25.75	-48.10	-13.00	-35.10	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	159.5000	-81.38	8.28	-73.10	-13.00	-60.10	peak	H
2	299.0000	-80.12	-1.90	-82.02	-13.00	-69.02	peak	H
3	477.5000	-80.57	6.05	-74.52	-13.00	-61.52	peak	H
4	539.5000	-80.70	8.50	-72.20	-13.00	-59.20	peak	H
5	668.5000	-79.98	7.89	-72.09	-13.00	-59.09	peak	H
6	776.0000	-80.82	10.77	-70.05	-13.00	-57.05	peak	H
7	3292.000	-71.42	14.93	-56.49	-13.00	-43.49	peak	H
8	4768.000	-73.44	19.48	-53.96	-13.00	-40.96	peak	H
9	7132.000	-75.04	25.45	-49.59	-13.00	-36.59	peak	H
1	131.0000	-81.70	19.76	-61.94	-13.00	-48.94	peak	V
2	200.5000	-81.50	10.57	-70.93	-13.00	-57.93	peak	V
3	307.5000	-81.73	2.64	-79.09	-13.00	-66.09	peak	V
4	446.5000	-78.67	2.07	-76.60	-13.00	-63.60	peak	V
5	619.0000	-81.41	9.18	-72.23	-13.00	-59.23	peak	V
6	726.0000	-80.48	11.79	-68.69	-13.00	-55.69	peak	V
7	3232.000	-70.52	14.62	-55.90	-13.00	-42.90	peak	V
8	4768.000	-73.56	19.48	-54.08	-13.00	-41.08	peak	V
9	7168.000	-75.22	25.58	-49.64	-13.00	-36.64	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	155.5000	-81.67	7.29	-74.38	-13.00	-61.38	peak	H
2	200.5000	-80.62	3.32	-77.30	-13.00	-64.30	peak	H
3	327.0000	-82.22	-0.25	-82.47	-13.00	-69.47	peak	H
4	485.0000	-78.97	6.47	-72.50	-13.00	-59.50	peak	H
5	601.5000	-80.39	8.07	-72.32	-13.00	-59.32	peak	H
6	683.5000	-80.19	7.94	-72.25	-13.00	-59.25	peak	H
7	3268.000	-70.93	14.80	-56.13	-13.00	-43.13	peak	H
8	4900.000	-74.61	19.88	-54.73	-13.00	-41.73	peak	H
9	7408.000	-76.11	26.60	-49.51	-13.00	-36.51	peak	H
1	131.0000	-82.28	19.76	-62.52	-13.00	-49.52	peak	V
2	200.5000	-83.05	10.57	-72.48	-13.00	-59.48	peak	V
3	361.5000	-81.14	2.67	-78.47	-13.00	-65.47	peak	V
4	476.5000	-79.89	2.71	-77.18	-13.00	-64.18	peak	V
5	614.0000	-81.02	8.74	-72.28	-13.00	-59.28	peak	V
6	702.5000	-81.48	11.32	-70.16	-13.00	-57.16	peak	V
7	3268.000	-71.33	14.80	-56.53	-13.00	-43.53	peak	V
8	4780.000	-74.83	19.52	-55.31	-13.00	-42.31	peak	V
9	7168.000	-75.81	25.58	-50.23	-13.00	-37.23	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	156.0000	-81.18	7.41	-73.77	-13.00	-60.77	peak	H
2	206.5000	-82.53	1.73	-80.80	-13.00	-67.80	peak	H
3	303.0000	-80.00	-1.59	-81.59	-13.00	-68.59	peak	H
4	435.5000	-80.76	4.30	-76.46	-13.00	-63.46	peak	H
5	516.5000	-79.49	7.85	-71.64	-13.00	-58.64	peak	H
6	633.0000	-79.92	7.60	-72.32	-13.00	-59.32	peak	H
7	3244.000	-69.63	14.68	-54.95	-13.00	-41.95	peak	H
8	4852.000	-73.84	19.74	-54.10	-13.00	-41.10	peak	H
9	7168.000	-75.52	25.58	-49.94	-13.00	-36.94	peak	H
1	129.0000	-78.73	18.96	-59.77	-13.00	-46.77	peak	V
2	200.0000	-80.51	10.65	-69.86	-13.00	-56.86	peak	V
3	360.5000	-80.13	2.71	-77.42	-13.00	-64.42	peak	V
4	494.0000	-64.15	3.03	-61.12	-13.00	-48.12	peak	V
5	592.5000	-78.87	7.01	-71.86	-13.00	-58.86	peak	V
6	719.0000	-78.96	11.86	-67.10	-13.00	-54.10	peak	V
7	3268.000	-71.06	14.80	-56.26	-13.00	-43.26	peak	V
8	4864.000	-74.27	19.77	-54.50	-13.00	-41.50	peak	V
9	7312.000	-74.77	26.19	-48.58	-13.00	-35.58	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	161.5000	-81.09	7.01	-74.08	-13.00	-61.08	peak	H
2	363.5000	-80.86	0.48	-80.38	-13.00	-67.38	peak	H
3	453.5000	-81.07	4.92	-76.15	-13.00	-63.15	peak	H
4	515.5000	-80.05	7.82	-72.23	-13.00	-59.23	peak	H
5	689.0000	-79.94	7.96	-71.98	-13.00	-58.98	peak	H
6	722.0000	-79.81	8.60	-71.21	-13.00	-58.21	peak	H
7	3292.000	-72.78	14.93	-57.85	-13.00	-44.85	peak	H
8	4828.000	-75.24	19.66	-55.58	-13.00	-42.58	peak	H
9	7276.000	-74.03	26.04	-47.99	-13.00	-34.99	peak	H
1	160.5000	-80.83	19.09	-61.74	-13.00	-48.74	peak	V
2	199.5000	-81.67	10.24	-71.43	-13.00	-58.43	peak	V
3	288.0000	-81.48	2.23	-79.25	-13.00	-66.25	peak	V
4	375.5000	-80.72	2.08	-78.64	-13.00	-65.64	peak	V
5	572.5000	-81.18	5.48	-75.70	-13.00	-62.70	peak	V
6	613.0000	-79.74	8.67	-71.07	-13.00	-58.07	peak	V
7	3292.000	-71.47	14.93	-56.54	-13.00	-43.54	peak	V
8	4768.000	-74.66	19.48	-55.18	-13.00	-42.18	peak	V
9	7228.000	-73.65	25.85	-47.80	-13.00	-34.80	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	156.5000	-82.45	7.53	-74.92	-13.00	-61.92	peak	H
2	320.5000	-82.32	-0.34	-82.66	-13.00	-69.66	peak	H
3	459.5000	-81.42	5.12	-76.30	-13.00	-63.30	peak	H
4	543.0000	-81.33	8.43	-72.90	-13.00	-59.90	peak	H
5	679.5000	-79.24	7.92	-71.32	-13.00	-58.32	peak	H
6	790.0000	-80.90	11.35	-69.55	-13.00	-56.55	peak	H
7	3316.000	-70.35	15.05	-55.30	-13.00	-42.30	peak	H
8	4780.000	-74.49	19.52	-54.97	-13.00	-41.97	peak	H
9	7204.000	-75.71	25.75	-49.96	-13.00	-36.96	peak	H
1	131.0000	-81.95	19.76	-62.19	-13.00	-49.19	peak	V
2	199.5000	-82.21	10.24	-71.97	-13.00	-58.97	peak	V
3	311.5000	-81.18	2.30	-78.88	-13.00	-65.88	peak	V
4	385.0000	-80.71	1.80	-78.91	-13.00	-65.91	peak	V
5	541.5000	-80.88	4.52	-76.36	-13.00	-63.36	peak	V
6	657.0000	-79.58	9.95	-69.63	-13.00	-56.63	peak	V
7	3268.000	-70.35	14.80	-55.55	-13.00	-42.55	peak	V
8	4780.000	-74.69	19.52	-55.17	-13.00	-42.17	peak	V
9	7300.000	-74.33	26.14	-48.19	-13.00	-35.19	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	159.5000	-83.72	8.28	-75.44	-13.00	-62.44	peak	H
2	200.5000	-82.46	3.32	-79.14	-13.00	-66.14	peak	H
3	319.0000	-81.90	-0.43	-82.33	-13.00	-69.33	peak	H
4	487.5000	-81.56	6.61	-74.95	-13.00	-61.95	peak	H
5	541.0000	-80.72	8.49	-72.23	-13.00	-59.23	peak	H
6	684.0000	-78.27	7.94	-70.33	-13.00	-57.33	peak	H
7	3232.000	-70.41	14.62	-55.79	-13.00	-42.79	peak	H
8	4768.000	-73.68	19.48	-54.20	-13.00	-41.20	peak	H
9	7216.000	-75.06	25.79	-49.27	-13.00	-36.27	peak	H
1	131.5000	-81.07	19.57	-61.50	-13.00	-48.50	peak	V
2	198.5000	-81.09	9.43	-71.66	-13.00	-58.66	peak	V
3	301.0000	-82.38	3.18	-79.20	-13.00	-66.20	peak	V
4	481.0000	-81.62	2.86	-78.76	-13.00	-65.76	peak	V
5	603.5000	-80.89	7.87	-73.02	-13.00	-60.02	peak	V
6	714.0000	-80.20	11.71	-68.49	-13.00	-55.49	peak	V
7	3244.000	-70.56	14.68	-55.88	-13.00	-42.88	peak	V
8	4804.000	-75.11	19.59	-55.52	-13.00	-42.52	peak	V
9	7132.000	-74.72	25.45	-49.27	-13.00	-36.27	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	159.5000	-81.98	8.28	-73.70	-13.00	-60.70	peak	H
2	199.5000	-83.91	3.05	-80.86	-13.00	-67.86	peak	H
3	341.5000	-82.06	-0.10	-82.16	-13.00	-69.16	peak	H
4	474.5000	-80.34	5.87	-74.47	-13.00	-61.47	peak	H
5	558.0000	-80.59	8.07	-72.52	-13.00	-59.52	peak	H
6	657.0000	-79.63	7.79	-71.84	-13.00	-58.84	peak	H
7	3292.000	-71.90	14.93	-56.97	-13.00	-43.97	peak	H
8	4732.000	-72.67	19.36	-53.31	-13.00	-40.31	peak	H
9	7168.000	-76.08	25.58	-50.50	-13.00	-37.50	peak	H
1	132.5000	-81.95	19.17	-62.78	-13.00	-49.78	peak	V
2	202.0000	-82.36	10.35	-72.01	-13.00	-59.01	peak	V
3	309.5000	-81.34	2.48	-78.86	-13.00	-65.86	peak	V
4	479.0000	-80.36	2.80	-77.56	-13.00	-64.56	peak	V
5	650.0000	-80.65	9.61	-71.04	-13.00	-58.04	peak	V
6	704.0000	-80.77	11.36	-69.41	-13.00	-56.41	peak	V
7	3280.000	-71.38	14.86	-56.52	-13.00	-43.52	peak	V
8	4900.000	-73.46	19.88	-53.58	-13.00	-40.58	peak	V
9	7156.000	-74.78	25.54	-49.24	-13.00	-36.24	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	161.0000	-81.12	7.47	-73.65	-13.00	-60.65	peak	H
2	306.0000	-81.42	-1.36	-82.78	-13.00	-69.78	peak	H
3	415.0000	-81.05	3.58	-77.47	-13.00	-64.47	peak	H
4	537.0000	-79.56	8.42	-71.14	-13.00	-58.14	peak	H
5	630.0000	-80.48	7.72	-72.76	-13.00	-59.76	peak	H
6	755.0000	-80.55	9.79	-70.76	-13.00	-57.76	peak	H
7	3292.000	-71.32	14.93	-56.39	-13.00	-43.39	peak	H
8	4864.000	-73.72	19.77	-53.95	-13.00	-40.95	peak	H
9	7180.000	-75.60	25.64	-49.96	-13.00	-36.96	peak	H
1	132.0000	-81.46	19.38	-62.08	-13.00	-49.08	peak	V
2	200.5000	-83.05	10.57	-72.48	-13.00	-59.48	peak	V
3	305.5000	-82.69	2.81	-79.88	-13.00	-66.88	peak	V
4	364.0000	-82.21	2.56	-79.65	-13.00	-66.65	peak	V
5	561.0000	-80.62	4.66	-75.96	-13.00	-62.96	peak	V
6	673.0000	-80.13	10.33	-69.80	-13.00	-56.80	peak	V
7	3196.000	-71.05	14.43	-56.62	-13.00	-43.62	peak	V
8	4780.000	-74.22	19.52	-54.70	-13.00	-41.70	peak	V
9	7168.000	-73.67	25.58	-48.09	-13.00	-35.09	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	1.4 MHz	Test By:	Eric Ou Yang
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	160.0000	-81.99	8.40	-73.59	-13.00	-60.59	peak	H
2	199.5000	-83.42	3.05	-80.37	-13.00	-67.37	peak	H
3	357.0000	-81.68	0.27	-81.41	-13.00	-68.41	peak	H
4	469.5000	-80.16	5.62	-74.54	-13.00	-61.54	peak	H
5	599.5000	-80.85	8.07	-72.78	-13.00	-59.78	peak	H
6	713.5000	-81.69	8.37	-73.32	-13.00	-60.32	peak	H
7	3268.000	-70.44	14.80	-55.64	-13.00	-42.64	peak	H
8	4768.000	-73.90	19.48	-54.42	-13.00	-41.42	peak	H
9	7228.000	-74.82	25.85	-48.97	-13.00	-35.97	peak	H
1	159.5000	-81.91	19.43	-62.48	-13.00	-49.48	peak	V
2	209.0000	-80.99	9.27	-71.72	-13.00	-58.72	peak	V
3	311.0000	-81.78	2.35	-79.43	-13.00	-66.43	peak	V
4	464.5000	-79.72	2.35	-77.37	-13.00	-64.37	peak	V
5	612.5000	-80.91	8.64	-72.27	-13.00	-59.27	peak	V
6	714.0000	-81.17	11.71	-69.46	-13.00	-56.46	peak	V
7	3268.000	-71.82	14.80	-57.02	-13.00	-44.02	peak	V
8	4816.000	-74.68	19.63	-55.05	-13.00	-42.05	peak	V
9	7324.000	-76.12	26.25	-49.87	-13.00	-36.87	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	3 MHz	Test By:	Eric Ou Yang
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	160.0000	-81.47	8.40	-73.07	-13.00	-60.07	peak	H
2	202.5000	-82.94	2.79	-80.15	-13.00	-67.15	peak	H
3	344.0000	-82.09	-0.05	-82.14	-13.00	-69.14	peak	H
4	457.0000	-80.37	5.02	-75.35	-13.00	-62.35	peak	H
5	569.0000	-80.20	7.89	-72.31	-13.00	-59.31	peak	H
6	686.5000	-80.39	7.95	-72.44	-13.00	-59.44	peak	H
7	3316.000	-71.68	15.05	-56.63	-13.00	-43.63	peak	H
8	4804.000	-73.59	19.59	-54.00	-13.00	-41.00	peak	H
9	7228.000	-74.45	25.85	-48.60	-13.00	-35.60	peak	H
1	131.0000	-81.96	19.76	-62.20	-13.00	-49.20	peak	V
2	198.0000	-80.63	9.02	-71.61	-13.00	-58.61	peak	V
3	307.5000	-81.67	2.64	-79.03	-13.00	-66.03	peak	V
4	451.0000	-80.57	2.14	-78.43	-13.00	-65.43	peak	V
5	624.5000	-80.56	9.25	-71.31	-13.00	-58.31	peak	V
6	738.0000	-79.99	11.54	-68.45	-13.00	-55.45	peak	V
7	3316.000	-70.87	15.05	-55.82	-13.00	-42.82	peak	V
8	4768.000	-73.93	19.48	-54.45	-13.00	-41.45	peak	V
9	7300.000	-75.48	26.14	-49.34	-13.00	-36.34	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	158.5000	-81.51	8.03	-73.48	-13.00	-60.48	peak	H
2	202.5000	-83.12	2.79	-80.33	-13.00	-67.33	peak	H
3	344.0000	-80.56	-0.05	-80.61	-13.00	-67.61	peak	H
4	461.0000	-80.46	5.18	-75.28	-13.00	-62.28	peak	H
5	543.0000	-80.79	8.43	-72.36	-13.00	-59.36	peak	H
6	670.5000	-80.35	7.91	-72.44	-13.00	-59.44	peak	H
7	3268.000	-69.35	14.80	-54.55	-13.00	-41.55	peak	H
8	4804.000	-74.24	19.59	-54.65	-13.00	-41.65	peak	H
9	7180.000	-75.48	25.64	-49.84	-13.00	-36.84	peak	H
1	131.5000	-81.18	19.57	-61.61	-13.00	-48.61	peak	V
2	204.5000	-81.56	9.97	-71.59	-13.00	-58.59	peak	V
3	305.0000	-82.75	2.85	-79.90	-13.00	-66.90	peak	V
4	496.0000	-80.62	3.07	-77.55	-13.00	-64.55	peak	V
5	621.5000	-81.57	9.25	-72.32	-13.00	-59.32	peak	V
6	719.5000	-80.64	11.89	-68.75	-13.00	-55.75	peak	V
7	3292.000	-70.82	14.93	-55.89	-13.00	-42.89	peak	V
8	4708.000	-74.00	19.29	-54.71	-13.00	-41.71	peak	V
9	7204.000	-75.25	25.75	-49.50	-13.00	-36.50	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 5	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	161.0000	-82.62	7.47	-75.15	-13.00	-62.15	peak	H
2	200.5000	-83.90	3.32	-80.58	-13.00	-67.58	peak	H
3	342.0000	-82.48	-0.09	-82.57	-13.00	-69.57	peak	H
4	477.0000	-81.22	6.02	-75.20	-13.00	-62.20	peak	H
5	546.0000	-80.76	8.37	-72.39	-13.00	-59.39	peak	H
6	738.5000	-80.04	9.16	-70.88	-13.00	-57.88	peak	H
7	3220.000	-70.22	14.56	-55.66	-13.00	-42.66	peak	H
8	4768.000	-73.99	19.48	-54.51	-13.00	-41.51	peak	H
9	7204.000	-73.06	25.75	-47.31	-13.00	-34.31	peak	H
1	132.0000	-81.04	19.38	-61.66	-13.00	-48.66	peak	V
2	201.0000	-83.27	10.50	-72.77	-13.00	-59.77	peak	V
3	300.5000	-82.16	3.22	-78.94	-13.00	-65.94	peak	V
4	406.5000	-79.67	1.61	-78.06	-13.00	-65.06	peak	V
5	568.5000	-79.65	5.19	-74.46	-13.00	-61.46	peak	V
6	694.0000	-80.66	11.01	-69.65	-13.00	-56.65	peak	V
7	3220.000	-71.31	14.56	-56.75	-13.00	-43.75	peak	V
8	4768.000	-74.99	19.48	-55.51	-13.00	-42.51	peak	V
9	7204.000	-74.42	25.75	-48.67	-13.00	-35.67	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2502.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-75.79	0.66	-75.13	-25.00	-50.13	peak	H
2	160.0000	-83.34	8.40	-74.94	-25.00	-49.94	peak	H
3	356.5000	-81.88	0.26	-81.62	-25.00	-56.62	peak	H
4	478.0000	-81.45	6.06	-75.39	-25.00	-50.39	peak	H
5	613.5000	-81.04	8.06	-72.98	-25.00	-47.98	peak	H
6	726.0000	-80.89	8.74	-72.15	-25.00	-47.15	peak	H
7	3292.000	-71.11	14.93	-56.18	-25.00	-31.18	peak	H
8	4780.000	-74.05	19.52	-54.53	-25.00	-29.53	peak	H
9	7084.000	-74.27	25.25	-49.02	-25.00	-24.02	peak	H
1	129.0000	-80.64	18.96	-61.68	-25.00	-36.68	peak	V
2	202.0000	-82.78	10.35	-72.43	-25.00	-47.43	peak	V
3	320.5000	-80.11	1.61	-78.50	-25.00	-53.50	peak	V
4	436.5000	-81.84	1.93	-79.91	-25.00	-54.91	peak	V
5	567.5000	-79.82	5.13	-74.69	-25.00	-49.69	peak	V
6	670.5000	-80.21	10.30	-69.91	-25.00	-44.91	peak	V
7	3244.000	-70.99	14.68	-56.31	-25.00	-31.31	peak	V
8	4756.000	-74.52	19.44	-55.08	-25.00	-30.08	peak	V
9	7156.000	-74.58	25.54	-49.04	-25.00	-24.04	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	160.0000	-82.68	8.40	-74.28	-25.00	-49.28	peak	H
2	202.0000	-83.19	2.92	-80.27	-25.00	-55.27	peak	H
3	311.5000	-82.90	-0.98	-83.88	-25.00	-58.88	peak	H
4	432.0000	-80.43	4.20	-76.23	-25.00	-51.23	peak	H
5	542.0000	-79.99	8.45	-71.54	-25.00	-46.54	peak	H
6	672.5000	-81.70	7.90	-73.80	-25.00	-48.80	peak	H
7	3268.000	-70.64	14.80	-55.84	-25.00	-30.84	peak	H
8	4756.000	-74.13	19.44	-54.69	-25.00	-29.69	peak	H
9	7120.000	-74.93	25.40	-49.53	-25.00	-24.53	peak	H
1	160.5000	-81.73	19.09	-62.64	-25.00	-37.64	peak	V
2	319.5000	-80.21	1.65	-78.56	-25.00	-53.56	peak	V
3	401.0000	-81.09	1.56	-79.53	-25.00	-54.53	peak	V
4	539.0000	-80.46	4.46	-76.00	-25.00	-51.00	peak	V
5	648.0000	-81.09	9.51	-71.58	-25.00	-46.58	peak	V
6	717.0000	-80.97	11.80	-69.17	-25.00	-44.17	peak	V
7	3292.000	-72.01	14.93	-57.08	-25.00	-32.08	peak	V
8	4720.000	-74.83	19.32	-55.51	-25.00	-30.51	peak	V
9	7132.000	-75.01	25.45	-49.56	-25.00	-24.56	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2567.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-75.24	0.66	-74.58	-25.00	-49.58	peak	H
2	159.5000	-83.31	8.28	-75.03	-25.00	-50.03	peak	H
3	346.5000	-80.46	0.02	-80.44	-25.00	-55.44	peak	H
4	480.5000	-81.13	6.21	-74.92	-25.00	-49.92	peak	H
5	597.0000	-80.96	8.01	-72.95	-25.00	-47.95	peak	H
6	734.0000	-81.34	9.02	-72.32	-25.00	-47.32	peak	H
7	3292.000	-71.42	14.93	-56.49	-25.00	-31.49	peak	H
8	4756.000	-74.63	19.44	-55.19	-25.00	-30.19	peak	H
9	7180.000	-76.01	25.64	-50.37	-25.00	-25.37	peak	H
1	129.0000	-79.54	18.96	-60.58	-25.00	-35.58	peak	V
2	202.0000	-83.26	10.35	-72.91	-25.00	-47.91	peak	V
3	300.0000	-82.81	3.26	-79.55	-25.00	-54.55	peak	V
4	452.5000	-81.34	2.15	-79.19	-25.00	-54.19	peak	V
5	580.0000	-80.45	6.04	-74.41	-25.00	-49.41	peak	V
6	683.0000	-80.58	10.58	-70.00	-25.00	-45.00	peak	V
7	3316.000	-72.93	15.05	-57.88	-25.00	-32.88	peak	V
8	4780.000	-74.02	19.52	-54.50	-25.00	-29.50	peak	V
9	7180.000	-75.50	25.64	-49.86	-25.00	-24.86	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2505.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	160.5000	-81.81	7.94	-73.87	-25.00	-48.87	peak	H
2	300.0000	-82.98	-1.81	-84.79	-25.00	-59.79	peak	H
3	405.0000	-81.40	3.05	-78.35	-25.00	-53.35	peak	H
4	548.5000	-80.15	8.30	-71.85	-25.00	-46.85	peak	H
5	620.0000	-81.79	8.06	-73.73	-25.00	-48.73	peak	H
6	775.5000	-82.33	10.75	-71.58	-25.00	-46.58	peak	H
7	3268.000	-70.87	14.80	-56.07	-25.00	-31.07	peak	H
8	4768.000	-73.46	19.48	-53.98	-25.00	-28.98	peak	H
9	7216.000	-74.14	25.79	-48.35	-25.00	-23.35	peak	H
1	160.5000	-81.50	19.09	-62.41	-25.00	-37.41	peak	V
2	302.5000	-81.81	3.05	-78.76	-25.00	-53.76	peak	V
3	399.0000	-82.07	1.57	-80.50	-25.00	-55.50	peak	V
4	545.0000	-80.37	4.53	-75.84	-25.00	-50.84	peak	V
5	649.0000	-79.90	9.56	-70.34	-25.00	-45.34	peak	V
6	772.5000	-81.55	11.99	-69.56	-25.00	-44.56	peak	V
7	3244.000	-72.14	14.68	-57.46	-25.00	-32.46	peak	V
8	4720.000	-74.09	19.32	-54.77	-25.00	-29.77	peak	V
9	7156.000	-75.95	25.54	-50.41	-25.00	-25.41	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	59.0000	-82.76	6.91	-75.85	-25.00	-50.85	peak	H
2	159.5000	-82.75	8.28	-74.47	-25.00	-49.47	peak	H
3	348.0000	-81.29	0.04	-81.25	-25.00	-56.25	peak	H
4	538.0000	-78.65	8.46	-70.19	-25.00	-45.19	peak	H
5	608.0000	-80.33	8.07	-72.26	-25.00	-47.26	peak	H
6	721.0000	-80.41	8.57	-71.84	-25.00	-46.84	peak	H
7	3232.000	-71.00	14.62	-56.38	-25.00	-31.38	peak	H
8	4768.000	-72.75	19.48	-53.27	-25.00	-28.27	peak	H
9	7156.000	-75.19	25.54	-49.65	-25.00	-24.65	peak	H
1	160.0000	-82.48	19.63	-62.85	-25.00	-37.85	peak	V
2	294.0000	-82.97	2.75	-80.22	-25.00	-55.22	peak	V
3	412.0000	-81.26	1.68	-79.58	-25.00	-54.58	peak	V
4	493.0000	-78.61	3.03	-75.58	-25.00	-50.58	peak	V
5	609.5000	-80.39	8.38	-72.01	-25.00	-47.01	peak	V
6	773.0000	-80.82	11.99	-68.83	-25.00	-43.83	peak	V
7	3292.000	-72.07	14.93	-57.14	-25.00	-32.14	peak	V
8	4768.000	-74.70	19.48	-55.22	-25.00	-30.22	peak	V
9	7132.000	-74.76	25.45	-49.31	-25.00	-24.31	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2565.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-76.15	0.66	-75.49	-25.00	-50.49	peak	H
2	159.5000	-82.65	8.28	-74.37	-25.00	-49.37	peak	H
3	296.5000	-80.39	-2.13	-82.52	-25.00	-57.52	peak	H
4	441.0000	-82.22	4.45	-77.77	-25.00	-52.77	peak	H
5	523.5000	-80.44	8.05	-72.39	-25.00	-47.39	peak	H
6	731.0000	-81.94	8.91	-73.03	-25.00	-48.03	peak	H
7	3232.000	-69.75	14.62	-55.13	-25.00	-30.13	peak	H
8	4732.000	-72.49	19.36	-53.13	-25.00	-28.13	peak	H
9	7180.000	-73.35	25.64	-47.71	-25.00	-22.71	peak	H
1	132.5000	-81.53	19.17	-62.36	-25.00	-37.36	peak	V
2	204.0000	-82.94	10.04	-72.90	-25.00	-47.90	peak	V
3	324.0000	-80.89	1.63	-79.26	-25.00	-54.26	peak	V
4	479.0000	-80.87	2.80	-78.07	-25.00	-53.07	peak	V
5	541.0000	-80.84	4.52	-76.32	-25.00	-51.32	peak	V
6	667.5000	-80.53	10.23	-70.30	-25.00	-45.30	peak	V
7	3292.000	-72.12	14.93	-57.19	-25.00	-32.19	peak	V
8	4756.000	-74.40	19.44	-54.96	-25.00	-29.96	peak	V
9	7156.000	-74.40	25.54	-48.86	-25.00	-23.86	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2507.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-75.06	0.66	-74.40	-25.00	-49.40	peak	H
2	160.5000	-82.17	7.94	-74.23	-25.00	-49.23	peak	H
3	306.0000	-81.03	-1.36	-82.39	-25.00	-57.39	peak	H
4	458.5000	-81.38	5.08	-76.30	-25.00	-51.30	peak	H
5	518.5000	-80.51	7.91	-72.60	-25.00	-47.60	peak	H
6	692.0000	-80.87	7.97	-72.90	-25.00	-47.90	peak	H
7	3244.000	-71.53	14.68	-56.85	-25.00	-31.85	peak	H
8	4816.000	-74.11	19.63	-54.48	-25.00	-29.48	peak	H
9	7132.000	-75.42	25.45	-49.97	-25.00	-24.97	peak	H
1	159.5000	-82.31	19.43	-62.88	-25.00	-37.88	peak	V
2	205.0000	-81.33	9.89	-71.44	-25.00	-46.44	peak	V
3	314.0000	-81.91	2.11	-79.80	-25.00	-54.80	peak	V
4	393.0000	-80.71	1.67	-79.04	-25.00	-54.04	peak	V
5	575.0000	-81.72	5.66	-76.06	-25.00	-51.06	peak	V
6	724.5000	-80.72	11.81	-68.91	-25.00	-43.91	peak	V
7	3292.000	-72.11	14.93	-57.18	-25.00	-32.18	peak	V
8	4804.000	-75.18	19.59	-55.59	-25.00	-30.59	peak	V
9	7216.000	-73.85	25.79	-48.06	-25.00	-23.06	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	160.0000	-81.58	8.40	-73.18	-25.00	-48.18	peak	H
2	331.5000	-82.48	-0.20	-82.68	-25.00	-57.68	peak	H
3	442.0000	-81.63	4.50	-77.13	-25.00	-52.13	peak	H
4	547.5000	-80.51	8.33	-72.18	-25.00	-47.18	peak	H
5	611.5000	-81.07	8.07	-73.00	-25.00	-48.00	peak	H
6	756.5000	-80.65	9.85	-70.80	-25.00	-45.80	peak	H
7	3232.000	-71.04	14.62	-56.42	-25.00	-31.42	peak	H
8	4720.000	-74.88	19.32	-55.56	-25.00	-30.56	peak	H
9	7180.000	-75.62	25.64	-49.98	-25.00	-24.98	peak	H
1	160.5000	-83.01	19.09	-63.92	-25.00	-38.92	peak	V
2	204.5000	-80.72	9.97	-70.75	-25.00	-45.75	peak	V
3	328.5000	-80.36	1.64	-78.72	-25.00	-53.72	peak	V
4	480.5000	-79.82	2.85	-76.97	-25.00	-51.97	peak	V
5	607.5000	-80.58	8.21	-72.37	-25.00	-47.37	peak	V
6	721.0000	-81.35	11.88	-69.47	-25.00	-44.47	peak	V
7	3268.000	-71.60	14.80	-56.80	-25.00	-31.80	peak	V
8	4732.000	-74.83	19.36	-55.47	-25.00	-30.47	peak	V
9	7132.000	-74.60	25.45	-49.15	-25.00	-24.15	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2562.5 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	159.5000	-83.01	8.28	-74.73	-25.00	-49.73	peak	H
2	199.0000	-82.61	2.66	-79.95	-25.00	-54.95	peak	H
3	314.5000	-82.18	-0.75	-82.93	-25.00	-57.93	peak	H
4	399.5000	-79.95	2.72	-77.23	-25.00	-52.23	peak	H
5	497.0000	-80.11	7.18	-72.93	-25.00	-47.93	peak	H
6	613.0000	-80.92	8.07	-72.85	-25.00	-47.85	peak	H
7	3280.000	-70.70	14.86	-55.84	-25.00	-30.84	peak	H
8	4708.000	-73.91	19.29	-54.62	-25.00	-29.62	peak	H
9	7168.000	-74.79	25.58	-49.21	-25.00	-24.21	peak	H
1	160.0000	-84.10	19.63	-64.47	-25.00	-39.47	peak	V
2	202.5000	-82.12	10.27	-71.85	-25.00	-46.85	peak	V
3	360.0000	-82.56	2.73	-79.83	-25.00	-54.83	peak	V
4	498.0000	-77.23	3.10	-74.13	-25.00	-49.13	peak	V
5	623.0000	-81.64	9.25	-72.39	-25.00	-47.39	peak	V
6	724.5000	-81.50	11.81	-69.69	-25.00	-44.69	peak	V
7	3316.000	-72.40	15.05	-57.35	-25.00	-32.35	peak	V
8	4756.000	-74.33	19.44	-54.89	-25.00	-29.89	peak	V
9	7156.000	-75.04	25.54	-49.50	-25.00	-24.50	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2510.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-75.38	0.66	-74.72	-25.00	-49.72	peak	H
2	204.5000	-83.39	2.27	-81.12	-25.00	-56.12	peak	H
3	357.0000	-80.87	0.27	-80.60	-25.00	-55.60	peak	H
4	505.0000	-80.33	7.49	-72.84	-25.00	-47.84	peak	H
5	602.5000	-80.95	8.06	-72.89	-25.00	-47.89	peak	H
6	739.0000	-81.31	9.17	-72.14	-25.00	-47.14	peak	H
7	3244.000	-71.63	14.68	-56.95	-25.00	-31.95	peak	H
8	4732.000	-73.46	19.36	-54.10	-25.00	-29.10	peak	H
9	7168.000	-74.01	25.58	-48.43	-25.00	-23.43	peak	H
1	158.5000	-83.16	19.02	-64.14	-25.00	-39.14	peak	V
2	301.0000	-82.94	3.18	-79.76	-25.00	-54.76	peak	V
3	400.5000	-80.03	1.55	-78.48	-25.00	-53.48	peak	V
4	597.5000	-80.28	7.39	-72.89	-25.00	-47.89	peak	V
5	702.0000	-81.76	11.31	-70.45	-25.00	-45.45	peak	V
6	791.0000	-81.31	12.22	-69.09	-25.00	-44.09	peak	V
7	3328.000	-71.74	15.12	-56.62	-25.00	-31.62	peak	V
8	4720.000	-74.18	19.32	-54.86	-25.00	-29.86	peak	V
9	7120.000	-75.21	25.40	-49.81	-25.00	-24.81	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	160.0000	-79.97	8.40	-71.57	-25.00	-46.57	peak	H
2	310.0000	-82.05	-1.08	-83.13	-25.00	-58.13	peak	H
3	432.5000	-82.22	4.20	-78.02	-25.00	-53.02	peak	H
4	533.0000	-81.35	8.32	-73.03	-25.00	-48.03	peak	H
5	666.5000	-81.63	7.89	-73.74	-25.00	-48.74	peak	H
6	774.0000	-82.42	10.68	-71.74	-25.00	-46.74	peak	H
7	3244.000	-72.82	14.68	-58.14	-25.00	-33.14	peak	H
8	4720.000	-73.94	19.32	-54.62	-25.00	-29.62	peak	H
9	7108.000	-72.86	25.35	-47.51	-25.00	-22.51	peak	H
1	131.0000	-82.16	19.76	-62.40	-25.00	-37.40	peak	V
2	202.0000	-81.75	10.35	-71.40	-25.00	-46.40	peak	V
3	327.0000	-81.46	1.64	-79.82	-25.00	-54.82	peak	V
4	457.5000	-81.27	2.20	-79.07	-25.00	-54.07	peak	V
5	580.0000	-81.38	6.04	-75.34	-25.00	-50.34	peak	V
6	703.0000	-80.50	11.34	-69.16	-25.00	-44.16	peak	V
7	3268.000	-72.21	14.80	-57.41	-25.00	-32.41	peak	V
8	4768.000	-75.02	19.48	-55.54	-25.00	-30.54	peak	V
9	7132.000	-74.89	25.45	-49.44	-25.00	-24.44	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
Modulation Technology:	QPSK		
Frequency:	2560.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-76.83	1.37	-75.46	-25.00	-50.46	peak	H
2	160.0000	-82.85	8.40	-74.45	-25.00	-49.45	peak	H
3	306.5000	-81.49	-1.34	-82.83	-25.00	-57.83	peak	H
4	452.0000	-80.57	4.86	-75.71	-25.00	-50.71	peak	H
5	544.0000	-81.54	8.41	-73.13	-25.00	-48.13	peak	H
6	737.0000	-81.63	9.12	-72.51	-25.00	-47.51	peak	H
7	3292.000	-71.49	14.93	-56.56	-25.00	-31.56	peak	H
8	4732.000	-74.36	19.36	-55.00	-25.00	-30.00	peak	H
9	7120.000	-75.15	25.40	-49.75	-25.00	-24.75	peak	H
1	160.5000	-82.16	19.09	-63.07	-25.00	-38.07	peak	V
2	300.0000	-83.34	3.26	-80.08	-25.00	-55.08	peak	V
3	390.5000	-80.70	1.71	-78.99	-25.00	-53.99	peak	V
4	481.5000	-79.47	2.86	-76.61	-25.00	-51.61	peak	V
5	646.5000	-80.92	9.45	-71.47	-25.00	-46.47	peak	V
6	765.0000	-81.54	11.90	-69.64	-25.00	-44.64	peak	V
7	3292.000	-72.42	14.93	-57.49	-25.00	-32.49	peak	V
8	4768.000	-75.20	19.48	-55.72	-25.00	-30.72	peak	V
9	7156.000	-75.57	25.54	-50.03	-25.00	-25.03	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
Modulation Technology:	16QAM		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	73.0000	-76.42	0.66	-75.76	-25.00	-50.76	peak	H
2	160.0000	-83.21	8.40	-74.81	-25.00	-49.81	peak	H
3	323.5000	-82.91	-0.29	-83.20	-25.00	-58.20	peak	H
4	485.0000	-81.96	6.47	-75.49	-25.00	-50.49	peak	H
5	549.5000	-81.07	8.28	-72.79	-25.00	-47.79	peak	H
6	751.5000	-80.50	9.65	-70.85	-25.00	-45.85	peak	H
7	3244.000	-71.61	14.68	-56.93	-25.00	-31.93	peak	H
8	4768.000	-72.61	19.48	-53.13	-25.00	-28.13	peak	H
9	7132.000	-76.05	25.45	-50.60	-25.00	-25.60	peak	H
1	160.5000	-82.78	19.09	-63.69	-25.00	-38.69	peak	V
2	301.0000	-82.41	3.18	-79.23	-25.00	-54.23	peak	V
3	428.0000	-80.89	1.84	-79.05	-25.00	-54.05	peak	V
4	565.5000	-80.18	4.98	-75.20	-25.00	-50.20	peak	V
5	667.0000	-80.05	10.23	-69.82	-25.00	-44.82	peak	V
6	719.0000	-81.83	11.86	-69.97	-25.00	-44.97	peak	V
7	3268.000	-71.79	14.80	-56.99	-25.00	-31.99	peak	V
8	4720.000	-75.54	19.32	-56.22	-25.00	-31.22	peak	V
9	7204.000	-76.29	25.75	-50.54	-25.00	-25.54	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
Modulation Technology:	16QAM		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-76.82	1.37	-75.45	-25.00	-50.45	peak	H
2	202.0000	-83.35	2.92	-80.43	-25.00	-55.43	peak	H
3	334.5000	-82.37	-0.19	-82.56	-25.00	-57.56	peak	H
4	482.0000	-81.02	6.30	-74.72	-25.00	-49.72	peak	H
5	581.0000	-79.87	7.73	-72.14	-25.00	-47.14	peak	H
6	711.5000	-78.91	8.30	-70.61	-25.00	-45.61	peak	H
7	3280.000	-71.43	14.86	-56.57	-25.00	-31.57	peak	H
8	4720.000	-74.75	19.32	-55.43	-25.00	-30.43	peak	H
9	7204.000	-75.12	25.75	-49.37	-25.00	-24.37	peak	H
1	159.5000	-81.81	19.43	-62.38	-25.00	-37.38	peak	V
2	211.0000	-81.01	8.78	-72.23	-25.00	-47.23	peak	V
3	306.5000	-81.60	2.72	-78.88	-25.00	-53.88	peak	V
4	438.0000	-81.91	1.94	-79.97	-25.00	-54.97	peak	V
5	620.5000	-82.05	9.26	-72.79	-25.00	-47.79	peak	V
6	718.0000	-81.44	11.84	-69.60	-25.00	-44.60	peak	V
7	3292.000	-72.36	14.93	-57.43	-25.00	-32.43	peak	V
8	4732.000	-74.23	19.36	-54.87	-25.00	-29.87	peak	V
9	7180.000	-75.48	25.64	-49.84	-25.00	-24.84	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	15 MHz	Test By:	Eric Ou Yang
Modulation Technology:	16QAM		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	71.5000	-76.55	1.37	-75.18	-25.00	-50.18	peak	H
2	199.0000	-83.02	2.66	-80.36	-25.00	-55.36	peak	H
3	387.0000	-82.33	1.65	-80.68	-25.00	-55.68	peak	H
4	542.5000	-80.76	8.45	-72.31	-25.00	-47.31	peak	H
5	624.5000	-81.04	7.93	-73.11	-25.00	-48.11	peak	H
6	749.0000	-80.88	9.56	-71.32	-25.00	-46.32	peak	H
7	3280.000	-71.14	14.86	-56.28	-25.00	-31.28	peak	H
8	4780.000	-74.72	19.52	-55.20	-25.00	-30.20	peak	H
9	7132.000	-76.71	25.45	-51.26	-25.00	-26.26	peak	H
1	160.0000	-84.08	19.63	-64.45	-25.00	-39.45	peak	V
2	205.0000	-82.37	9.89	-72.48	-25.00	-47.48	peak	V
3	309.5000	-82.25	2.48	-79.77	-25.00	-54.77	peak	V
4	436.0000	-80.59	1.92	-78.67	-25.00	-53.67	peak	V
5	602.0000	-80.54	7.75	-72.79	-25.00	-47.79	peak	V
6	732.5000	-80.52	11.65	-68.87	-25.00	-43.87	peak	V
7	3292.000	-71.00	14.93	-56.07	-25.00	-31.07	peak	V
8	4780.000	-74.08	19.52	-54.56	-25.00	-29.56	peak	V
9	7132.000	-74.43	25.45	-48.98	-25.00	-23.98	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 7	Date:	05/05/2015
Channel Bandwidth:	20 MHz	Test By:	Eric Ou Yang
Modulation Technology:	16QAM		
Frequency:	2535.0 MHz		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
1	151.5000	-82.63	6.29	-76.34	-25.00	-51.34	peak	H
2	320.5000	-82.19	-0.34	-82.53	-25.00	-57.53	peak	H
3	405.0000	-80.76	3.05	-77.71	-25.00	-52.71	peak	H
4	517.5000	-80.45	7.88	-72.57	-25.00	-47.57	peak	H
5	631.0000	-80.54	7.68	-72.86	-25.00	-47.86	peak	H
6	766.5000	-81.72	10.30	-71.42	-25.00	-46.42	peak	H
7	3268.000	-73.06	14.80	-58.26	-25.00	-33.26	peak	H
8	4732.000	-74.20	19.36	-54.84	-25.00	-29.84	peak	H
9	7132.000	-74.29	25.45	-48.84	-25.00	-23.84	peak	H
1	158.0000	-82.65	18.81	-63.84	-25.00	-38.84	peak	V
2	304.0000	-83.40	2.92	-80.48	-25.00	-55.48	peak	V
3	359.5000	-81.41	2.71	-78.70	-25.00	-53.70	peak	V
4	462.5000	-80.60	2.30	-78.30	-25.00	-53.30	peak	V
5	617.0000	-81.51	9.01	-72.50	-25.00	-47.50	peak	V
6	739.5000	-80.55	11.50	-69.05	-25.00	-44.05	peak	V
7	3268.000	-71.59	14.80	-56.79	-25.00	-31.79	peak	V
8	4708.000	-75.09	19.29	-55.80	-25.00	-30.80	peak	V
9	7204.000	-75.67	25.75	-49.92	-25.00	-24.92	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.12	8.40	-74.72	-13.00	-61.72	peak	H
2	201.0000	-82.20	3.19	-79.01	-13.00	-66.01	peak	H
3	310.5000	-81.78	-1.05	-82.83	-13.00	-69.83	peak	H
4	480.0000	-80.88	6.18	-74.70	-13.00	-61.70	peak	H
5	588.5000	-81.14	7.88	-73.26	-13.00	-60.26	peak	H
6	736.0000	-80.74	9.07	-71.67	-13.00	-58.67	peak	H
7	3316.000	-69.25	15.05	-54.20	-13.00	-41.20	peak	H
8	4816.000	-72.72	19.63	-53.09	-13.00	-40.09	peak	H
9	7156.000	-73.44	25.54	-47.90	-13.00	-34.90	peak	H
1	131.5000	-80.70	19.57	-61.13	-13.00	-48.13	peak	V
2	206.0000	-82.64	9.73	-72.91	-13.00	-59.91	peak	V
3	362.5000	-81.73	2.63	-79.10	-13.00	-66.10	peak	V
4	505.5000	-80.74	3.19	-77.55	-13.00	-64.55	peak	V
5	630.0000	-80.26	9.22	-71.04	-13.00	-58.04	peak	V
6	729.0000	-81.38	11.73	-69.65	-13.00	-56.65	peak	V
7	3232.000	-70.95	14.62	-56.33	-13.00	-43.33	peak	V
8	4804.000	-73.77	19.59	-54.18	-13.00	-41.18	peak	V
9	7132.000	-75.64	25.45	-50.19	-13.00	-37.19	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.25	8.40	-74.85	-13.00	-61.85	peak	H
2	201.5000	-83.44	3.06	-80.38	-13.00	-67.38	peak	H
3	323.5000	-81.43	-0.29	-81.72	-13.00	-68.72	peak	H
4	436.5000	-79.61	4.31	-75.30	-13.00	-62.30	peak	H
5	541.5000	-80.82	8.48	-72.34	-13.00	-59.34	peak	H
6	662.0000	-80.41	7.87	-72.54	-13.00	-59.54	peak	H
7	3244.000	-69.97	14.68	-55.29	-13.00	-42.29	peak	H
8	4768.000	-74.43	19.48	-54.95	-13.00	-41.95	peak	H
9	7216.000	-74.45	25.79	-48.66	-13.00	-35.66	peak	H
1	133.0000	-80.61	18.96	-61.65	-13.00	-48.65	peak	V
2	200.0000	-82.96	10.65	-72.31	-13.00	-59.31	peak	V
3	329.0000	-81.46	1.64	-79.82	-13.00	-66.82	peak	V
4	477.5000	-81.36	2.76	-78.60	-13.00	-65.60	peak	V
5	605.5000	-81.02	8.05	-72.97	-13.00	-59.97	peak	V
6	702.0000	-80.74	11.31	-69.43	-13.00	-56.43	peak	V
7	3280.000	-69.87	14.86	-55.01	-13.00	-42.01	peak	V
8	4768.000	-73.43	19.48	-53.95	-13.00	-40.95	peak	V
9	7168.000	-76.44	25.58	-50.86	-13.00	-37.86	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.05	8.40	-74.65	-13.00	-61.65	peak	H
2	201.0000	-80.88	3.19	-77.69	-13.00	-64.69	peak	H
3	337.0000	-81.06	-0.16	-81.22	-13.00	-68.22	peak	H
4	498.5000	-80.91	7.26	-73.65	-13.00	-60.65	peak	H
5	604.5000	-81.03	8.06	-72.97	-13.00	-59.97	peak	H
6	704.5000	-80.48	8.13	-72.35	-13.00	-59.35	peak	H
7	3292.000	-71.39	14.93	-56.46	-13.00	-43.46	peak	H
8	4816.000	-74.73	19.63	-55.10	-13.00	-42.10	peak	H
9	7300.000	-76.35	26.14	-50.21	-13.00	-37.21	peak	H
1	129.0000	-80.74	18.96	-61.78	-13.00	-48.78	peak	V
2	199.5000	-82.76	10.24	-72.52	-13.00	-59.52	peak	V
3	355.0000	-81.86	2.44	-79.42	-13.00	-66.42	peak	V
4	452.5000	-81.50	2.15	-79.35	-13.00	-66.35	peak	V
5	535.5000	-80.21	4.27	-75.94	-13.00	-62.94	peak	V
6	677.5000	-80.46	10.42	-70.04	-13.00	-57.04	peak	V
7	3232.000	-70.70	14.62	-56.08	-13.00	-43.08	peak	V
8	4756.000	-74.45	19.44	-55.01	-13.00	-42.01	peak	V
9	7180.000	-73.97	25.64	-48.33	-13.00	-35.33	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	158.5000	-81.81	8.03	-73.78	-13.00	-60.78	peak	H
2	329.5000	-81.28	-0.23	-81.51	-13.00	-68.51	peak	H
3	428.0000	-81.48	4.07	-77.41	-13.00	-64.41	peak	H
4	516.5000	-81.00	7.85	-73.15	-13.00	-60.15	peak	H
5	612.5000	-79.63	8.08	-71.55	-13.00	-58.55	peak	H
6	760.5000	-81.19	10.00	-71.19	-13.00	-58.19	peak	H
7	3280.000	-71.48	14.86	-56.62	-13.00	-43.62	peak	H
8	4756.000	-73.80	19.44	-54.36	-13.00	-41.36	peak	H
9	7060.000	-74.82	25.14	-49.68	-13.00	-36.68	peak	H
1	132.0000	-81.71	19.38	-62.33	-13.00	-49.33	peak	V
2	215.0000	-83.11	7.45	-75.66	-13.00	-62.66	peak	V
3	337.0000	-80.39	1.62	-78.77	-13.00	-65.77	peak	V
4	472.5000	-80.54	2.59	-77.95	-13.00	-64.95	peak	V
5	622.5000	-80.47	9.26	-71.21	-13.00	-58.21	peak	V
6	694.5000	-79.95	11.02	-68.93	-13.00	-55.93	peak	V
7	3268.000	-71.61	14.80	-56.81	-13.00	-43.81	peak	V
8	4780.000	-74.68	19.52	-55.16	-13.00	-42.16	peak	V
9	7180.000	-74.71	25.64	-49.07	-13.00	-36.07	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	157.5000	-81.11	7.77	-73.34	-13.00	-60.34	peak	H
2	201.5000	-83.73	3.06	-80.67	-13.00	-67.67	peak	H
3	335.5000	-82.70	-0.17	-82.87	-13.00	-69.87	peak	H
4	477.5000	-80.27	6.05	-74.22	-13.00	-61.22	peak	H
5	590.0000	-80.62	7.90	-72.72	-13.00	-59.72	peak	H
6	660.5000	-79.50	7.87	-71.63	-13.00	-58.63	peak	H
7	3316.000	-70.83	15.05	-55.78	-13.00	-42.78	peak	H
8	4816.000	-74.09	19.63	-54.46	-13.00	-41.46	peak	H
9	7216.000	-75.24	25.79	-49.45	-13.00	-36.45	peak	H
1	131.5000	-81.46	19.57	-61.89	-13.00	-48.89	peak	V
2	202.0000	-82.54	10.35	-72.19	-13.00	-59.19	peak	V
3	295.5000	-82.54	2.88	-79.66	-13.00	-66.66	peak	V
4	490.5000	-79.20	2.98	-76.22	-13.00	-63.22	peak	V
5	618.5000	-80.45	9.14	-71.31	-13.00	-58.31	peak	V
6	737.0000	-80.63	11.57	-69.06	-13.00	-56.06	peak	V
7	3232.000	-72.42	14.62	-57.80	-13.00	-44.80	peak	V
8	4852.000	-73.79	19.74	-54.05	-13.00	-41.05	peak	V
9	7228.000	-75.68	25.85	-49.83	-13.00	-36.83	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	10 MHz	Test By:	Eric Ou Yang
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	158.5000	-82.39	8.03	-74.36	-13.00	-61.36	peak	H
2	207.5000	-82.75	1.47	-81.28	-13.00	-68.28	peak	H
3	349.0000	-79.84	0.07	-79.77	-13.00	-66.77	peak	H
4	483.0000	-80.11	6.35	-73.76	-13.00	-60.76	peak	H
5	603.5000	-80.66	8.07	-72.59	-13.00	-59.59	peak	H
6	719.5000	-80.64	8.52	-72.12	-13.00	-59.12	peak	H
7	3268.000	-70.73	14.80	-55.93	-13.00	-42.93	peak	H
8	4756.000	-74.34	19.44	-54.90	-13.00	-41.90	peak	H
9	7156.000	-74.03	25.54	-48.49	-13.00	-35.49	peak	H
1	131.5000	-82.57	19.57	-63.00	-13.00	-50.00	peak	V
2	208.0000	-80.50	9.42	-71.08	-13.00	-58.08	peak	V
3	299.0000	-81.76	3.17	-78.59	-13.00	-65.59	peak	V
4	424.0000	-80.37	1.80	-78.57	-13.00	-65.57	peak	V
5	592.5000	-80.86	7.01	-73.85	-13.00	-60.85	peak	V
6	706.5000	-81.48	11.46	-70.02	-13.00	-57.02	peak	V
7	3316.000	-71.51	15.05	-56.46	-13.00	-43.46	peak	V
8	4816.000	-73.39	19.63	-53.76	-13.00	-40.76	peak	V
9	7168.000	-75.85	25.58	-50.27	-13.00	-37.27	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	5 MHz	Test By:	Eric Ou Yang
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	160.0000	-83.24	8.40	-74.84	-13.00	-61.84	peak	H
2	219.5000	-81.99	-0.01	-82.00	-13.00	-69.00	peak	H
3	366.0000	-82.46	0.55	-81.91	-13.00	-68.91	peak	H
4	489.5000	-80.21	6.73	-73.48	-13.00	-60.48	peak	H
5	619.5000	-80.46	8.07	-72.39	-13.00	-59.39	peak	H
6	755.5000	-80.98	9.80	-71.18	-13.00	-58.18	peak	H
7	3184.000	-69.93	14.37	-55.56	-13.00	-42.56	peak	H
8	4828.000	-74.16	19.66	-54.50	-13.00	-41.50	peak	H
9	7468.000	-73.08	26.85	-46.23	-13.00	-33.23	peak	H
1	133.5000	-80.20	18.78	-61.42	-13.00	-48.42	peak	V
2	203.0000	-82.60	10.20	-72.40	-13.00	-59.40	peak	V
3	299.0000	-81.62	3.17	-78.45	-13.00	-65.45	peak	V
4	436.0000	-80.05	1.92	-78.13	-13.00	-65.13	peak	V
5	497.0000	-70.70	3.08	-67.62	-13.00	-54.62	peak	V
6	667.5000	-80.92	10.23	-70.69	-13.00	-57.69	peak	V
7	3292.000	-72.02	14.93	-57.09	-13.00	-44.09	peak	V
8	4816.000	-73.61	19.63	-53.98	-13.00	-40.98	peak	V
9	7180.000	-74.53	25.64	-48.89	-13.00	-35.89	peak	V

Standard:	FCC Part 27	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AR7552	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Band:	LTE Band 17	Date:	04/29/2015
Channel Bandwidth:	10 Hz	Test By:	Eric Ou Yang
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	159.5000	-82.03	8.28	-73.75	-13.00	-60.75	peak	H
2	320.0000	-80.77	-0.36	-81.13	-13.00	-68.13	peak	H
3	420.0000	-81.00	3.84	-77.16	-13.00	-64.16	peak	H
4	535.0000	-80.01	8.37	-71.64	-13.00	-58.64	peak	H
5	612.5000	-79.92	8.08	-71.84	-13.00	-58.84	peak	H
6	701.5000	-81.12	8.04	-73.08	-13.00	-60.08	peak	H
7	3172.000	-70.59	14.30	-56.29	-13.00	-43.29	peak	H
8	4816.000	-74.61	19.63	-54.98	-13.00	-41.98	peak	H
9	7180.000	-74.17	25.64	-48.53	-13.00	-35.53	peak	H
1	131.5000	-82.69	19.57	-63.12	-13.00	-50.12	peak	V
2	201.5000	-82.44	10.42	-72.02	-13.00	-59.02	peak	V
3	345.0000	-81.50	1.89	-79.61	-13.00	-66.61	peak	V
4	448.5000	-80.05	2.10	-77.95	-13.00	-64.95	peak	V
5	608.0000	-81.40	8.25	-73.15	-13.00	-60.15	peak	V
6	711.0000	-81.22	11.61	-69.61	-13.00	-56.61	peak	V
7	3280.000	-71.10	14.86	-56.24	-13.00	-43.24	peak	V
8	4804.000	-74.18	19.59	-54.59	-13.00	-41.59	peak	V
9	7204.000	-75.47	25.75	-49.72	-13.00	-36.72	peak	V