

LTE Band 26

Reference Frequency: LTE Band 26 Mid Channel		831.5	MHz @ 20°C	
Limit: to stay +/- 2.5 ppm =		2078.750	Hz	
Power Supply (Vdc)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
0.00	50	831.500008	0.004	2.5
0.00	40	831.500011	-0.001	2.5
0.00	30	831.500009	0.002	2.5
0.00	20	831.500011	0	2.5
0.00	10	831.500009	0.002	2.5
0.00	0	831.500010	0.001	2.5
0.00	-10	831.500007	0.005	2.5
0.00	-20	831.500008	0.004	2.5
0.00	-30	831.500010	0.002	2.5

Reference Frequency: LTE Band 26 Mid Channel		831.5	MHz @ 20°C	
Limit: to stay +/- 2.5 ppm =		2078.750	Hz	
Power Supply (Vdc)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
0.00	20	831.500011	0	2.5
0.00	20	831.500000	0.013	2.5
0.00	20	831.500000	0.013	2.5

LTE Band 30

Reference Frequency: LTE Band 30 Mid Channel		2310	MHz @ 20°C	
Limit: to stay +/- 2.5 ppm =		5775.000	Hz	
Power Supply (Vdc)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
0.00	50	2310.000013	0.000	2.5
0.00	40	2310.000013	0.000	2.5
0.00	30	2310.000016	-0.001	2.5
0.00	20	2310.000013	0	2.5
0.00	10	2310.000016	-0.001	2.5
0.00	0	2310.000012	0.000	2.5
0.00	-10	2309.999990	0.010	2.5
0.00	-20	2310.000015	-0.001	2.5
0.00	-30	2309.999989	0.011	2.5

Reference Frequency: LTE Band 30 Mid Channel		2310	MHz @ 20°C	
Limit: to stay +/- 2.5 ppm =		5775.000	Hz	
Power Supply (Vdc)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
0.00	20	2310.000013	0	2.5
0.00	20	2310.000000	0.006	2.5
0.00	20	2310.000000	0.006	2.5

LTE Band 41

Reference Frequency: LTE Band 41 Mid Channel			2593	MHz @ 20°C
Limit: to stay +/- 2.5 ppm =			6482.500	Hz
Power Supply (Vdc)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
0.00	50	2593.000016	0.002	2.5
0.00	40	2593.000017	0.002	2.5
0.00	30	2593.000016	0.003	2.5
0.00	20	2593.000022	0	2.5
0.00	10	2593.000016	0.002	2.5
0.00	0	2593.000022	0.000	2.5
0.00	-10	2592.999988	0.013	2.5
0.00	-20	2593.000017	0.002	2.5
0.00	-30	2593.000016	0.002	2.5

Reference Frequency: LTE Band 41 Mid Channel		2593	MHz @ 20°C	
Limit: to stay +/- 2.5 ppm =		6482.500	Hz	
Power Supply (Vdc)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
0.00	20	2593.000022	0	2.5
0.00	20	2593.000000	0.009	2.5
0.00	20	2593.000000	0.009	2.5

17. RADIATED TEST RESULTS

17.1. FIELD STRENGTH OF SPURIOUS RADIATION

RULE PART(S)

FCC: §2.1051, §22.359, §22.917, §24.238, §27.53, and §90.691
RSS-132, RSS-133, RSS-139, RSS-195, RSS-130, RSS-199

FCC LIMITS

FCC: §22.359, §22.917, §24.238, §27.53

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

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

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

FCC: §90.210, and §90.691

(a)(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10} (f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(a)(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz. {NOTE: Use 100 kHz reference bandwidth.}

IC LIMITS

RSS-133, RSS-132, RSS-139 and RSS-130: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

RSS130

4.6.1 The power of any unwanted emissions in any 100 kHz bandwidth on any frequency outside the frequency range(s) within which the equipment is designed to operate shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside the equipment's operating frequency range, a resolution bandwidth of 30 kHz may be employed.

4.6.2 In addition to the limit outlined in Section 4.6.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

(a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

- (i) $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment, and
- (ii) $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment.

RSS199

For mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:

- i) $40 + 10 \log_{10} p$ from the channel edges to 5 MHz away,
- ii) $43 + 10 \log_{10} p$ between 5 MHz and X MHz from the channel edges, and
- iii) $55 + 10 \log_{10} p$ at X MHz and beyond from the channel edges.
- iv) in addition, the attenuation shall be not be less than $43 + 10 \log_{10} p$ on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log_{10} p$ at or below 2490.5 MHz.

TEST PROCEDURE

For Cellular equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

For PCS equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

17.1.1. SPURIOUS RADIATION PLOTS

WCDMA

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:	Microsoft								
Project #:	11735596								
Date:	8/14/2017								
Test Engineer:	43575 OS								
Configuration:	EUT + AC								
Location:	Chamber C								
Mode:	Rel99 Band 2 Harmonics								
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1852.4									
3784.80	-18.5	V	3.0	33.9	1.0	-51.4	-13.0	-38.4	
5557.20	-21.1	V	3.0	33.1	1.0	-53.2	-13.0	-40.2	
7409.60	-19.7	V	3.0	32.9	1.0	-51.6	-13.0	-38.6	
3784.80	-20.5	H	3.0	33.9	1.0	-53.3	-13.0	-40.3	
5557.20	-19.8	H	3.0	33.1	1.0	-51.9	-13.0	-38.9	
7409.60	-19.8	H	3.0	32.9	1.0	-51.7	-13.0	-38.7	
Mid Ch, 1880									
3784.80	-20.9	V	3.0	33.8	1.0	-53.7	-13.0	-40.7	
5640.00	-19.1	V	3.0	33.1	1.0	-51.2	-13.0	-38.2	
7520.00	-17.5	V	3.0	32.8	1.0	-49.3	-13.0	-36.3	
3784.80	-20.6	H	3.0	33.8	1.0	-53.4	-13.0	-40.4	
5640.00	-19.3	H	3.0	33.1	1.0	-51.4	-13.0	-38.4	
7520.00	-18.6	H	3.0	32.8	1.0	-50.4	-13.0	-37.4	
High Ch, 1907.6									
3815.20	-20.7	V	3.0	33.7	1.0	-53.4	-13.0	-40.4	
5722.80	-19.8	V	3.0	33.1	1.0	-51.9	-13.0	-38.9	
7630.40	-19.4	V	3.0	32.8	1.0	-51.2	-13.0	-38.2	
3815.20	-21.1	H	3.0	33.7	1.0	-53.8	-13.0	-40.8	
5722.80	-19.4	H	3.0	33.1	1.0	-51.5	-13.0	-38.5	
7630.40	-19.3	H	3.0	32.8	1.0	-51.2	-13.0	-38.2	
B2 REL99									
UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:	Microsoft								
Project #:	11735596								
Date:	8/14/2017								
Test Engineer:	43575 OS								
Configuration:	EUT + AC								
Location:	Chamber C								
Mode:	Rel99 Band 5 Harmonics								
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.4									
1652.80	-24.1	V	3.0	36.4	1.0	-59.4	-13.0	-46.4	
2479.20	-21.7	V	3.0	35.0	1.0	-55.7	-13.0	-42.7	
3305.60	-21.1	V	3.0	34.3	1.0	-54.4	-13.0	-41.4	
1652.80	-24.7	H	3.0	36.4	1.0	-60.1	-13.0	-47.1	
2479.20	-21.9	H	3.0	35.0	1.0	-55.0	-13.0	-42.0	
3305.60	-21.4	H	3.0	34.3	1.0	-54.7	-13.0	-41.7	
Mid Ch, 836.6									
1673.20	-24.6	V	3.0	36.3	1.0	-59.9	-13.0	-46.9	
2509.80	-22.2	V	3.0	34.9	1.0	-56.1	-13.0	-43.1	
3346.40	-20.9	V	3.0	34.2	1.0	-54.1	-13.0	-41.1	
1673.20	-24.1	H	3.0	36.3	1.0	-59.4	-13.0	-46.4	
2509.80	-20.3	H	3.0	34.9	1.0	-54.2	-13.0	-41.2	
3346.40	-21.6	H	3.0	34.2	1.0	-54.9	-13.0	-41.9	
High Ch, 846.6									
1693.20	-24.3	V	3.0	36.3	1.0	-59.6	-13.0	-46.6	
2539.80	-22.5	V	3.0	34.9	1.0	-57.4	-13.0	-44.4	
3386.40	-20.8	V	3.0	34.2	1.0	-54.0	-13.0	-41.0	
1693.20	-22.9	H	3.0	36.3	1.0	-58.2	-13.0	-45.2	
2539.80	-21.3	H	3.0	34.9	1.0	-55.2	-13.0	-42.2	
3386.40	-22.9	H	3.0	34.2	1.0	-55.2	-13.0	-42.2	
B5 REL99									
UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:	Microsoft								
Project #:	11735596								
Date:	8/14/2017								
Test Engineer:	43575 OS								
Configuration:	EUT + AC								
Location:	Chamber C								
Mode:	HSDPA Band 5 Harmonics								
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.4									
1652.80	-24.8	V	3.0	36.4	1.0	-60.2	-13.0	-47.2	
2479.20	-23.0	V	3.0	35.0	1.0	-57.0	-13.0	-44.0	
3305.60	-21.2	V	3.0	34.3	1.0	-54.5	-13.0	-41.5	
1652.80	-25.2	H	3.0	36.4	1.0	-60.5	-13.0	-47.5	
2479.20	-22.8	H	3.0	35.0	1.0	-56.8	-13.0	-43.8	
3305.60	-21.8	H	3.0	34.3	1.0	-55.1	-13.0	-42.1	
Mid Ch, 836.6									
1673.20	-23.6	V	3.0	36.3	1.0	-59.9	-13.0	-46.9	
2509.80	-22.5	V	3.0	34.9	1.0	-56.5	-13.0	-43.5	
3346.40	-21.0	V	3.0	34.2	1.0	-54.2	-13.0	-41.2	
1673.20	-24.5	H	3.0	36.3	1.0	-59.8	-13.0	-46.8	
2509.80	-23.1	H	3.0	34.9	1.0	-57.0	-13.0	-44.0	
3346.40	-21.3	H	3.0	34.2	1.0	-54.5	-13.0	-41.5	
High Ch, 846.6									
1693.20	-25.0	V	3.0	36.3	1.0	-60.3	-13.0	-47.3	
2539.80	-22.9	V	3.0	34.9	1.0	-56.8	-13.0	-43.8	
3386.40	-20.8	V	3.0	34.2	1.0	-54.0	-13.0	-41.0	
1693.20	-24.3	H	3.0	36.3	1.0	-59.6	-13.0	-46.6	
2539.80	-22.6	H	3.0	34.9	1.0	-56.5	-13.0	-43.5	
3386.40	-21.8	H	3.0	34.2	1.0	-55.0	-13.0	-42.0	
B5 HSDPA									

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Microsoft							
Project #:		11735596							
Date:		8/7/2017							
Test Engineer:		43575 OS							
Configuration:		EUT + AC + Headset							
Location:		Chamber C							
Mode:		LTE_QPSK Band 4 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1715									
3430.00	-19.9	V	3.0	34.1	1.0	-53.0	-13.0	-40.0	
5145.00	-19.1	V	3.0	33.2	1.0	-51.3	-13.0	-38.3	
6860.00	-18.8	V	3.0	32.9	1.0	-50.7	-13.0	-37.7	
3430.00	-15.2	H	3.0	34.1	1.0	-48.3	-13.0	-35.3	
5145.00	-14.8	H	3.0	33.2	1.0	-47.0	-13.0	-34.0	
6860.00	-15.5	H	3.0	32.9	1.0	-50.3	-13.0	-37.3	
Mid Ch, 1732.5									
3465.00	-19.2	V	3.0	34.1	1.0	-52.3	-13.0	-39.3	
5197.50	-19.7	V	3.0	33.2	1.0	-51.8	-13.0	-38.8	
6930.00	-18.6	V	3.0	32.9	1.0	-50.4	-13.0	-37.4	
3465.00	-13.9	H	3.0	34.1	1.0	-47.0	-13.0	-34.0	
5197.50	-17.0	H	3.0	33.2	1.0	-49.2	-13.0	-36.2	
6930.00	-16.8	H	3.0	32.9	1.0	-50.7	-13.0	-37.7	
High Ch, 1750									
3500.00	-20.4	V	3.0	34.1	1.0	-53.5	-13.0	-40.5	
5250.00	-20.3	V	3.0	33.2	1.0	-52.4	-13.0	-39.4	
7000.00	-19.3	V	3.0	32.9	1.0	-51.2	-13.0	-38.2	
3500.00	-17.8	H	3.0	34.1	1.0	-50.9	-13.0	-37.9	
5250.00	-19.2	H	3.0	33.2	1.0	-51.4	-13.0	-38.4	
7000.00	-19.3	H	3.0	32.9	1.0	-51.2	-13.0	-38.2	

LTE B4 10MHz QPSK

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Microsoft							
Project #:		11735596							
Date:		8/7/2017							
Test Engineer:		43575 OS							
Configuration:		EUT + AC + Headset							
Location:		Chamber C							
Mode:		LTE_QPSK Band 4 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1717.5									
3435.00	-19.8	V	3.0	34.1	1.0	-52.9	-13.0	-39.9	
5152.50	-16.1	V	3.0	33.2	1.0	-48.3	-13.0	-35.3	
6870.00	-18.3	V	3.0	32.9	1.0	-50.2	-13.0	-37.2	
3435.00	-15.4	H	3.0	34.1	1.0	-48.6	-13.0	-35.6	
5152.50	-15.1	H	3.0	33.2	1.0	-47.2	-13.0	-34.2	
6870.00	-18.3	H	3.0	32.9	1.0	-50.2	-13.0	-37.2	
Mid Ch, 1732.5									
3465.00	-19.2	V	3.0	34.1	1.0	-52.3	-13.0	-39.3	
5197.50	-18.7	V	3.0	33.2	1.0	-50.9	-13.0	-37.9	
6930.00	-19.0	V	3.0	32.9	1.0	-50.9	-13.0	-37.9	
3465.00	-16.6	H	3.0	34.1	1.0	-48.7	-13.0	-35.7	
5197.50	-19.6	H	3.0	33.2	1.0	-51.7	-13.0	-38.7	
6930.00	-18.7	H	3.0	32.9	1.0	-50.6	-13.0	-37.6	
High Ch, 1747.5									
3495.00	-20.4	V	3.0	34.1	1.0	-53.5	-13.0	-40.5	
5242.50	-19.6	V	3.0	33.2	1.0	-51.7	-13.0	-38.7	
6990.00	-18.3	V	3.0	32.9	1.0	-50.2	-13.0	-37.2	
3495.00	-18.0	H	3.0	34.1	1.0	-51.1	-13.0	-38.1	
5242.50	-20.2	H	3.0	33.2	1.0	-52.4	-13.0	-39.4	
6990.00	-18.5	H	3.0	32.9	1.0	-50.4	-13.0	-37.4	

LTE B4 15MHz QPSK

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Microsoft							
Project #:		11735596							
Date:		8/7/2017							
Test Engineer:		43575 OS							
Configuration:		EUT + AC + Headset							
Location:		Chamber C							
Mode:		LTE_16QAM Band 4 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1715									
3430.00	-20.3	V	3.0	34.1	1.0	-53.4	-13.0	-40.4	
5145.00	-19.8	V	3.0	33.2	1.0	-52.0	-13.0	-39.0	
6860.00	-18.9	V	3.0	32.9	1.0	-50.8	-13.0	-37.8	
3430.00	-17.5	H	3.0	34.1	1.0	-50.6	-13.0	-37.6	
5145.00	-15.8	H	3.0	33.2	1.0	-48.0	-13.0	-35.0	
6860.00	-18.6	H	3.0	32.9	1.0	-50.5	-13.0	-37.5	
Mid Ch, 1732.5									
3465.00	-19.5	V	3.0	34.1	1.0	-52.6	-13.0	-39.6	
5197.50	-19.2	V	3.0	33.2	1.0	-51.4	-13.0	-38.4	
6930.00	-19.2	V	3.0	32.9	1.0	-51.1	-13.0	-38.1	
3465.00	-16.3	H	3.0	34.1	1.0	-49.4	-13.0	-36.4	
5197.50	-19.6	H	3.0	33.2	1.0	-51.8	-13.0	-38.8	
6930.00	-18.7	H	3.0	32.9	1.0	-50.6	-13.0	-37.6	
High Ch, 1750									
3500.00	-20.0	V	3.0	34.1	1.0	-53.0	-13.0	-40.0	
5250.00	-19.6	V	3.0	33.2	1.0	-51.7	-13.0	-38.7	
7000.00	-18.2	V	3.0	32.9	1.0	-50.1	-13.0	-37.1	
3500.00	-18.5	H	3.0	34.1	1.0	-51.6	-13.0	-38.6	
5250.00	-20.5	H	3.0	33.2	1.0	-52.7	-13.0	-39.7	
7000.00	-19.4	H	3.0	32.9	1.0	-51.2	-13.0	-38.2	

LTE B4 10MHz 16QAM

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Microsoft							
Project #:		11735596							
Date:		8/7/2017							
Test Engineer:		43575 OS							
Configuration:		EUT + AC + Headset							
Location:		Chamber C							
Mode:		LTE_16QAM Band 4 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1717.5									
3435.00	-19.8	V	3.0	34.1	1.0	-52.9	-13.0	-39.9	
5152.50	-18.0	V	3.0	33.2	1.0	-50.2	-13.0	-37.2	
6870.00	-18.3	V	3.0	32.9	1.0	-50.2	-13.0	-37.2	
3435.00	-17.5	H	3.0	34.1	1.0	-50.7	-13.0	-37.7	
5152.50	-17.2	H	3.0	33.2	1.0	-49.4	-13.0	-36.4	
6870.00	-17.6	H	3.0	32.9	1.0	-49.5	-13.0	-36.5	
Mid Ch, 1732.5									
3465.00	-19.8	V	3.0	34.1	1.0	-52.9	-13.0	-39.9	
5197.50	-18.4	V	3.0	33.2	1.0	-50.6	-13.0	-37.6	
6930.00	-18.0	V	3.0	32.9	1.0	-49.9	-13.0	-36.9	
3465.00	-19.3	H	3.0	34.1	1.0	-52.4	-13.0	-39.4	
5197.50	-19.7	H	3.0	33.2	1.0	-51.9	-13.0	-38.9	
6930.00	-18.4	H	3.0	32.9	1.0	-50.2	-13.0	-37.2	
High Ch, 1747.5									
3495.00	-20.4	V	3.0	34.1	1.0	-53.5	-13.0	-40.5	
5242.50	-20.8	V	3.0	33.2	1.0	-53.0	-13.0	-40.0	
6990.00	-18.1	V	3.0	32.9	1.0	-50.0	-13.0	-37.0	
3495.00	-17.6	H	3.0	34.1	1.0	-50.7	-13.0	-37.7	
5242.50	-20.5	H	3.0	33.2	1.0	-52.7	-13.0	-39.7	
6990.00	-18.7	H	3.0	32.9	1.0	-50.6	-13.0	-37.6	

LTE B4 15MHz 16QAM