LTE Band 26

Reference	Frequency: LTE Ba	831.5	MHz @ 20°C	
	Limit: to	stay +- 2.5 ppm =	2078.750	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(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	Reference Frequency: LTE Band 26 Mid Channel 831.5 MHz @ 20°C								
	Limit: to stay +- 2.5 ppm = 2078.750 Hz								
Power Supply	Power Supply Environment Frequency Deviation Measured with Time Elapse								
(Vdc)	Temperature (°C)	(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 Ba	nd 30 Mid Channel	2310	MHz @ 20°C
	Limit: to	stay +- 2.5 ppm =	5775.000	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(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	Reference Frequency: LTE Band 30 Mid Channel 2310 MHz @ 20°C							
	Limit: to stay +- 2.5 ppm = 5775.000 Hz							
Power Supply	wer Supply Environment Frequency Deviation Measured with Time Elaps							
(Vdc)	Temperature (°C)	(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 Ba	nd 41 Mid Channel	2593	MHz @ 20°C
	Limit: to	stay +- 2.5 ppm =	6482.500	Hz
Power Supply	Environment	Frequency Devi	ation Measureed w	ith Time Elapse
(Vdc)	Temperature (°C)	(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	Reference Frequency: LTE Band 41 Mid Channel 2593 MHz @ 20°C								
	Limit: to stay +- 2.5 ppm = 6482.500 Hz								
Power Supply	ower Supply Environment Frequency Deviation Measured with Time Elapse								
(Vdc)	Temperature (°C)	(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 log10(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 Log10 (f/6.1) decibels or 50 + 10 Log10(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 + 10Log10 (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 log10 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 MHzand 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 MHzand 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
- (i) 76 + 10 log10 p (watts), dB, for base and fixed equipment, and
- (ii) 65 + 10 log10 p (watts), dB, for mobile and portable equipment.

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UL VERIFICATION SERVICES INC.

FORM NO: CCSUP4701H FAX: (510) 661-0888

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 log10 p from the channel edges to 5 MHz away,
- ii) 43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and
- iii) 55 + 10 log10 p at X MHz and beyond from the channel edges.
- iv) in addition, the attenuation shall be not be less than 43 + 10 log10 p on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log10 p at or below 2490.5 MHz.

TEST PROCEDURE

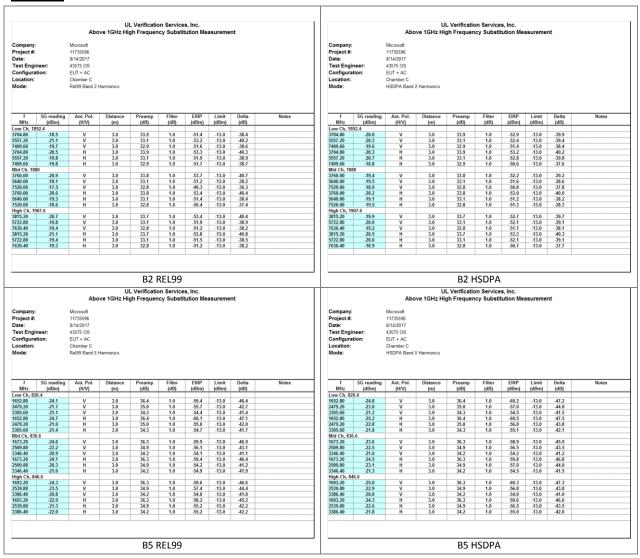
For Cellular equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth 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.

DATE: 10/9/2017 FCC ID: C3K1807 IC: 3048A-1807

17.1.1. SPURIOUS RADIATION PLOTS

WCDMA



FAX: (510) 661-0888

LTE Band 2

	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement	
Company: Project #: Date: Test Engineer: Configuration: .ocation: Mode:	Microsoft 11736596 9772017 43575 OS EUT + AC + Headset Chamber C LTE_QPSK Band 2 Harmonics, 1.4MHz Bandwidth	Company: Microsoft Project #: 11735596 Date: 8/72017 Test Engineer: 43575 OS Configuration: EUT + AC + Headset Location: Chamber C Mode: LTE_16QAM Band 2 Harmonics, 1.4MHz Bandwidth	
f SG reading	g Ant. Pol. Distance Preamp Filter EIRP Limit Delta Notes (HV) (m) (dB) (dB) (dBm) (dBm) (dB)	f SG reading Ant. Pol. Distance Preamp Filter EIRP Limit Delta MHz (dBm) (HV) (m) (dB) (dB) (dBm) (dBm) (dB)	Notes
Low Ch, 1850.7 3701.40 .19.8 5552.10 .20.5 7402.80 .19.1 3701.40 .20.5 5552.10 .21.4 7402.80 .19.5	V 3.0 33.9 1.0 52.7 13.0 39.7 V 3.0 33.1 1.0 52.6 13.0 39.5 V 3.0 33.1 1.0 52.6 13.0 39.5 V 3.0 3.9 1.0 50.9 13.0 37.9 H 3.0 33.1 1.0 53.5 13.0 40.5 H 3.0 33.1 1.0 53.5 13.0 40.5 H 3.0 22.9 1.0 51.3 13.0 38.3	Low Ch, 1950.7 3761.40 1367.7 V 3.0 33.9 1.0 52.5 13.0 33.5 552.10 13.8 V 3.0 33.1 1.0 51.9 13.0 33.5 13.0 33.5 14.0 51.9 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 13.0 33.5 15.0 51.4 15.0 31.5	
Mid Ch, 1880 3760.00 -19.5 5640.00 -18.5 7520.00 -19.0 3760.00 -20.7 5640.00 -18.3	V 3.0 33.8 1.0 52.3 -13.0 39.3 V 3.0 33.1 1.0 50.6 -13.0 37.6 V 3.0 12.8 1.0 50.9 -13.0 37.6 H 3.0 33.8 1.0 53.5 -13.0 40.5 H 3.0 33.1 1.0 50.4 -13.0 37.4	Min Ch, 1800 760,00 70,0	
7520.00 18.7 High Ch, 1909.3 3818.60 19.7 5727.90 19.9 7637.20 18.8 3818.60 20.5 5727.90 19.5 7637.20 18.2	H 3.0 32.8 1.0 50.6 13.0 37.6 V 3.0 33.7 1.0 52.5 13.0 39.5 V 3.0 33.1 1.0 52.0 13.0 39.0 V 3.0 32.8 1.0 50.6 13.0 37.6 H 3.0 33.7 1.0 53.2 13.0 40.2 H 3.0 33.1 1.0 51.5 13.0 30.5 H 3.0 32.8 1.0 50.1 13.0 37.1	7520.00	
	LTE B2 1.4MHz QPSK	LTE B2 1.4MHz 16QAM	
	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement	
Company: Project #: Date: Test Engineer: Configuration: Location: Mode:	Microsoft 1173596 87/2017 43575 OS EUT + AC + Headset Chamber C LTE_QPSK Band 2 Harmonics, 3MHz Bandwidth	Company: Microsoft Project #: 11735596 Date: 87/2017 Test Engineer: 43575 OS Configuration: EUT + AC + Headset Location: Chamber C Mode: LTE_16QAM Band 2 Harmonics, 3MHz Bandwidth	
f SG readin (dBm) Low Ch, 1851.5 3703.00 -20.0 5554.50 -19.5	(H/V) (m) (dB) (dB) (dBm) (dBm) (dB) V 3.0 33.9 1.0 52.9 13.0 39.9	f SG reading MHz Ant. Pol. (dBm) Distance (H/V) Preamp (dB) Filter (dB) EIRP (dBm) Limit (dBm) Delta (dB) 1 cov Ch. 1951.5.9. V 3.0 33.9 1.0 52.7 13.0 39.7 5554.5.0 20.7 V 3.0 33.1 1.0 52.7 13.0 39.9	Notes
7406.00 -19.1 3703.00 -20.0 5554.50 -20.7 7406.00 -19.0 Mid Ch, 1880 3760.00 -19.9	V 3.0 33.1 1.0 51.6 -13.0 38.6 V 1.0 3.0 32.0 1 1.0 31.0 31.0 31.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7466.00 1.9.0 V 3.0 32.9 1.0 59.8 13.0 37.8 3703.00 1.9.0 H 3.0 33.9 1.0 519 13.0 33.9 5554.50 1.9.7 H 3.0 33.1 1.0 519 13.0 38.9 17466.00 1.9.0 H 3.0 27.9 1.0 59.8 13.0 37.8 18.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19	
5640.00 .18.1 7520.00 .17.0 3760.00 .20.4 5640.00 .18.3 7520.00 .18.1 High Ch, 1908.5	V 3.0 33.1 1.0 50.2 13.0 37.2 V 3.0 32.8 1.0 48.9 13.0 35.9 H 3.0 33.8 1.0 55.2 13.0 40.2 H 3.0 33.1 1.0 55.2 13.0 40.2 H 3.0 33.1 1.0 50.4 13.0 37.4 H 3.0 32.8 1.0 50.0 13.0 37.4	5640.00	
3817.00	V 3.0 33.7 1.0 53.0 13.0 40.0 V 3.0 33.1 1.0 51.1 13.0 38.1 V 3.0 32.8 1.0 49.9 13.0 36.9 H 3.0 33.7 1.0 52.8 13.0 39.8 H 3.0 33.1 1.0 52.2 13.0 39.8 H 3.0 32.8 1.0 50.0 13.0 37.0 U 52.0 13.0 39.2 H 3.0 32.8 1.0 50.0 13.0 37.0	3817.00	
	LTE B2 3MHz QPSK	LTE B2 3MHz 16QAM	
Company: Project #: Date: Test Engineer: Configuration: Location: Mode:	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Microsoft 11735596 8/7/2017 43575 OS EUT + AC + Headset Chamber C LTE_QPSK Band 2 Hamonics, 5MHz Bandwidth	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Microsoft Project #: 11735596 Date: 8772917 Test Engineer: 4975 OS Configuration: EUT + AC + Headset Location: Chamber C Mode: LTE_16QAM Band 2 Harmonics, 5MHz Bandwidth	
f SG reading	g Ant. Pol. Distance (HV) Presmp (dB) Filter (dB) EIRP (dB) Limit (dB) Delta (dB) Notes	SG reading	Notes
3705.00 20.2 5557.50 20.3 7410.00 19.4 3705.00 19.8 5557.50 20.5 7410.00 19.5 Mid Ch, 1880	V 3.0 33.9 1.0 53.0 13.0 40.0 V 3.0 33.1 1.0 52.4 13.0 39.4 V 3.0 32.9 1.0 51.3 13.0 38.3 V 3.0 33.3 1.0 52.6 13.0 38.3 H 3.0 33.3 1 1.0 52.6 13.0 39.6 H 3.0 32.9 1.0 51.4 13.0 38.6 H 3.0 32.9 1.0 51.4 13.0 38.4 V	3705.00 1.99 V 3.0 33.9 1.0 52.8 13.0 33.8 5557.50 20.5 12.0 33.6 1.0 52.6 13.0 33.6 1.0 52.6 13.0 33.6 1.0 52.6 13.0 33.6 1.0 52.6 13.0 33.6 1.0 52.6 13.0 33.6 1.0 52.6 13.0 33.6 1.0 52.5 13.0 33.6 1.0 52.6 13.0 33.6 1.0 52.6 13.0 33.7 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17	
3760.00	V 3.0 33.8 1.0 52.9 13.0 39.9 V 3.0 33.1 1.0 50.5 13.0 37.5 V 3.0 33.1 1.0 50.5 13.0 37.5 V 3.0 33.5 1.0 50.7 13.0 37.7 V 3.0 32.8 1.0 50.7 13.0 37.7	3760.00 20.1 V 3.0 33.8 1.0 52.9 13.0 39.9 5640.00 19.2 V 3.0 33.1 1.0 51.3 13.0 39.9 15640.00 19.2 V 3.0 32.2 1.0 49.9 13.1 3.3 33.2 15650.00 141.1 V 3.0 32.2 1.0 49.9 13.0 36.9 3760.00 141.1 V 3.0 32.2 1.0 49.9 13.0 36.9 13.0 36.9 13.0 36.9 13.0 36.9 13.0 36.9 13.0 36.9 13.0 36.9 13.0 37.5 13.	
3815.00 -20.0 5722.50 -19.7 7630.00 -16.7 3815.00 -18.9 5722.50 -19.1 7630.00 -18.8	V 3.0 33.7 1.0 52.8 13.0 39.8 V 3.0 33.1 1.0 518 13.0 38.8 V 3.0 32.1 1.0 48.6 13.0 38.8 V 3.0 32.8 1.0 48.6 13.0 35.6 H 3.0 33.7 1.0 51.6 13.0 33.6 H 3.0 33.1 1.0 51.2 13.0 38.2 H 3.0 32.8 1.0 50.6 13.0 37.6	3815.00 20.1 V 3.0 33.7 1.0 52.8 13.0 38.8 5722.90 193.2 V 3.0 33.1 1.0 52.8 13.0 38.4 7650.00 17.9 V 3.0 52.8 10.0 49.7 13.0 36.7 3815.00 193.2 H 3.0 33.1 1.0 52.0 13.0 36.7 3815.00 193.2 H 3.0 33.1 1.0 52.0 13.0 33.0 5722.90 19.9 H 3.0 33.1 1.0 52.0 13.0 35.0 1630.00 185.5 H 3.0 32.8 1.0 50.3 13.0 37.3	
	LTE B2 5MHz QPSK	LTE B2 5MHz 16QAM	

DATE: 10/9/2017

IC: 3048A-1807

DATE: 10/9/2017

IC: 3048A-1807

LTE Band 4

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										Abo		JL Verificat ligh Freque			easureme	ent		
mpany: oject #: te: st Engineer: infiguration: cation: ode:	Microsoft 11735956 87/2917 4357 O.S. Headset EUIT + A.C. Theadset Chumber C LTE_QPSIX Band 4 Hammonics, 1.4MHz Bandwidth								ct #: 11735966 8/7/2017 Engineer: 43575 OS guration: EUT + AC - Headset ion: Chamber C									
f SG reading MHz (dBm)	Ant. Pol. Dist	ance Preamp m) (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	f MHz	SG rea (dBr	ding A	int. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
ww Ch, 1710.7 21.40	V V H	1.0 34.2 1.0 33.2 1.0 32.9 1.0 34.2 1.0 33.2 1.0 32.9	1.0 1.0 1.0 1.0 1.0	-50.0 -50.6 -50.6 -54.0 -51.7 -50.8	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-37.0 -37.6 -37.6 -41.0 -38.7 -37.8		Low Ch, 3421.40 5132.10 6842.80 3421.40 5132.10 6842.80	1710.7 -18. -19. -19. -20. -20. -18.	0 1 4 0	V V V H H	3.0 3.0 3.0 3.0 3.0 3.0	34.2 33.2 32.9 34.2 33.2 32.9	1.0 1.0 1.0 1.0 1.0	-51.1 -51.2 -51.0 -53.6 -52.2 -50.1	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-38.1 -38.2 -38.0 -40.6 -39.2 -37.1	
d Ch, 1732.5 55.00 .19.4 97.50 .18.7 30.00 .17.1 55.00 .18.4 97.50 .19.6 30.00 .19.5	V V V H	1.0 34.1 1.0 33.2 1.0 32.9 1.0 34.1 1.0 33.2 1.0 32.9	1.0 1.0 1.0 1.0 1.0	-52.5 -50.9 -49.0 -51.5 -51.8 -51.4	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-39.5 -37.9 -36.0 -38.5 -38.8 -38.4		Mid Ch, 1 3465.00 5197.50 6930.00 3465.00 5197.50 6930.00	732.5 -19. -19. -18. -19. -20.	1 7 5 5	V V V H H	3.0 3.0 3.0 3.0 3.0 3.0	34.1 33.2 32.9 34.1 33.2 32.9	1.0 1.0 1.0 1.0 1.0	-52.2 -51.9 -50.4 -52.6 -52.2 -50.8	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-39.2 -38.9 -37.4 -39.6 -39.2 -37.8	
gh Ch, 1754.3 08.60 20.3 62.90 19.3 17.20 19.4 08.60 20.3 62.90 19.6 17.20 19.5	V V V H	.0 34.1 .0 33.2 .0 32.9 .0 34.1 .0 33.2 .0 32.9	1.0 1.0 1.0 1.0 1.0 1.0	53.3 51.5 51.3 53.3 51.7 51.4	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0	40.3 38.5 38.3 40.3 38.7 38.4		High Ch, 3508.60 5262.90 7017.20 3508.60 5262.90 7017.20	1754.3 -20. -20. -18. -20. -20. -19.	4 6 7 4 6	V V V H H	3.0 3.0 3.0 3.0 3.0 3.0 3.0	34.1 33.2 32.9 34.1 33.2 32.9	1.0 1.0 1.0 1.0 1.0 1.0	-53.4 -52.7 -50.6 -53.4 -52.7 -51.7	13.0 13.0 13.0 13.0 13.0 13.0	40.4 -39.7 -37.6 -40.4 -39.7 -38.7	
		LTE B4 1	.4MHz	QPSK								LTE	B4 1.4	MHz :	16QA	M		
	Above 10	UL Verificat Hz High Freque			asureme	nt					Abo		JL Verificat ligh Freque			easureme	ent	
Company: Project #: Date: Fest Engineer: Configuration: Location: Mode:	Microsoft 11735596 8772017 43575 OS EUT + AC + Headset Chamber C LTE_QPSK Band 4 H	armonics, 3MHz Ban	dwidth					Compan Project: Date: Test En Configu Location Mode:	#: gineer: ration:	117 8/7/ 435 EU1 Cha	rosoft 35596 2017 75 OS I + AC + Hi imber C _16QAM B		nics, 3MHz Bar	ndwidth				
f SG reading (dBm) ow Ch, 1711.5 423.00	(H/V) (ance Preamp (dB) i.0 34.1 i.0 33.2 i.0 32.9	Filter (dB) 1.0 1.0	EIRP (dBm) -52.4 -50.6 -50.0	Limit (dBm) -13.0 -13.0 -13.0	Delta (dB) -39.4 -37.6 -37.0	Notes	f MHz Low Ch, 3423.00 5134.50 6846.00	SG rea (dBr 1711.5 -19. -18.	n) 9 3	v V	Distance (m) 3.0 3.0 3.0	Preamp (dB) 34.1 33.2 32.9	Filter (dB) 1.0 1.0	EIRP (dBm) -53.1 -51.5 -50.1	Limit (dBm) -13.0 -13.0 -13.0	Delta (dB) -40.1 -38.5 -37.1	Notes
123.00 -18.1 134.50 -16.0 346.00 -19.1 id Ch, 1732.5 165.00 -18.7 197.50 -19.6	H H H	1.0 34.1 1.0 33.2 1.0 32.9 1.0 34.1 1.0 33.2	1.0 1.0 1.0 1.0	-51.3 -48.2 -51.0 -51.8 -51.8	-13.0 -13.0 -13.0 -13.0 -13.0	38.3 35.2 38.0 -38.8 -38.8		3423.00 5134.50 6846.00 Mid Ch, 1 3465.00 5197.50	-18. -17. -18.	1 3 3	H H H V	3.0 3.0 3.0 3.0 3.0	34.1 33.2 32.9 34.1 33.2	1.0 1.0 1.0 1.0	-51.2 -49.5 -50.2 -53.0 -52.3	-13.0 -13.0 -13.0 -13.0 -13.0	-38.2 -36.5 -37.2 -40.0 -39.3 -37.0	
930.00	H H H	.0 32.9 .0 34.1 .0 33.2 .0 32.9	1.0 1.0 1.0 1.0	-50.6 -51.3 -51.7 -49.5	-13.0 -13.0 -13.0 -13.0 -13.0	-37.6 -38.3 -38.7 -36.5		6930.00 3465.00 5197.50 6930.00 High Ch, 3507.00	-20.	4 7 4	V H H H	3.0 3.0 3.0 3.0 3.0	32.9 34.1 33.2 32.9 34.1	1.0 1.0 1.0 1.0	-50.0 -52.5 -51.9 -50.3	-13.0 -13.0 -13.0 -13.0 -13.0	39.5 38.9 37.3	
260.50	H H	1.0 33.2 1.0 32.9 1.0 34.1 1.0 33.2 1.0 32.9	1.0 1.0 1.0 1.0 1.0	-53.0 -50.7 -48.7 -52.4 -50.4	-13.0 -13.0 -13.0 -13.0 -13.0	40.0 -37.7 -35.7 -39.4 -37.4		5260.50 7014.00 3507.00 5260.50 7014.00	-19. -18. -18. -20. -19.	9 0 6	V V H H	3.0 3.0 3.0 3.0 3.0	33.2 32.9 34.1 33.2 32.9	1.0 1.0 1.0 1.0 1.0	-52.1 -50.8 -51.1 -52.8 -51.2	-13.0 -13.0 -13.0 -13.0 -13.0	-39.1 -37.8 -38.1 -39.8 -38.2	
		LTE B4 3	3MHz C	QPSK								LT	E B4 31	ИНz 1	6QAN	1		
:ompany: roject #: late: 'est Engineer: configuration: ocation:	Above 1G Microsoft 11735596 87/72017 43575 OS EUT + AC + Headset Chamber C LTE_QPSK Band 4 H	UL Verificat Hz High Freque armonics, 5MHz Bar	ncy Substi		asureme	int		Compan Project: Date: Test En Configu Location Mode:	#: gineer: ration:	117 8/7/ 435 EUI Cha	rosoft 35596 2017 75 OS F + AC + Ho imber C	ve 1GHz H	JL Verificati ligh Freque nics, 5MHz Ba	ncy Subsi		easureme	ent	
f SG reading MHz (dBm)		ance Preamp m) (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	f MHz	SG rea (dBr	ding A	int. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
ow Ch, 1712.5 425.00 -19.6 137.50 -19.1 850.00 -18.4 425.00 -20.2 137.50 -18.5 850.00 -18.2 lid Ch, 1732.5	V V H	1.0 34.1 1.0 33.2 1.0 32.9 1.0 34.1 1.0 33.2 1.0 32.9	1.0 1.0 1.0 1.0 1.0 1.0	-52.8 -51.3 -50.3 -53.4 -50.7 -50.1	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-39.8 -38.3 -37.3 -40.4 -37.7 -37.1		Low Ch, 3425.00 5137.50 6850.00 3425.00 5137.50 6850.00 Mid Ch, 1	-19. -19. -17. -20. -19. -18.	3 9 2	V V V H H	3.0 3.0 3.0 3.0 3.0 3.0	34.1 33.2 32.9 34.1 33.2 32.9	1.0 1.0 1.0 1.0 1.0 1.0	-52.8 -51.5 -49.8 -53.4 -51.3 -50.1	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-39.8 -38.5 -36.8 -40.4 -38.3 -37.1	
183 (15.2.5) 197.50	V V H H	.0 34.1 .0 33.2 .0 32.9 .0 34.1 .0 33.2 .0 32.9	1.0 1.0 1.0 1.0 1.0	-51.4 -51.3 -50.9 -53.4 -51.7 -51.2	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-38.4 -38.3 -37.9 -40.4 -38.7 -38.2		3465.00 5197.50 6930.00 3465.00 5197.50 6930.00 High Ch,	-19. -19. -19. -20. -19. -18.	4 3 5 6	V V V H H	3.0 3.0 3.0 3.0 3.0 3.0	34.1 33.2 32.9 34.1 33.2 32.9	1.0 1.0 1.0 1.0 1.0	-53.0 -51.5 -51.2 -53.6 -51.8 -50.6	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-40.0 -38.5 -38.2 -40.6 -38.8 -37.6	
505.00	V V H	.0 34.1 .0 33.2 .0 32.9 .0 34.1 .0 33.2 .0 32.9	1.0 1.0 1.0 1.0 1.0	-52.8 -51.6 -51.2 -49.1 -52.1 -51.1	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-39.8 -38.6 -38.2 -36.1 -39.1 -38.1		3505.00 5257.50 7010.00 3505.00 5257.50 7010.00	-20. -19. -18. -16. -18. -18.	5 8 9 7	V V V H H	3.0 3.0 3.0 3.0 3.0 3.0	34.1 33.2 32.9 34.1 33.2 32.9	1.0 1.0 1.0 1.0 1.0	-53.1 -51.7 -50.7 -49.9 -50.9 -50.8	-13.0 -13.0 -13.0 -13.0 -13.0 -13.0	-40.1 -38.7 -37.7 -36.9 -37.9 -37.8	
	,	LTE B4 5	MH ₂ () DC K								ΙT	E B4 51	ЛН т 1	6041	1		
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LTE B4 15MHz QPSK

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