QMNRM-142

Certification Management
Michael Mobley

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1) Thank you for this information.

For questions 2, 3, and 5 we believe the following adequately addresses the question of whether the worst case useage was tested: SAR testing of QMNRM-142 was carried out in RC1/SO2.Power detection integral to QMNRM-142 is used for power control and is not sensitive to peak-to-average ratio. The variations in the time-averaged maximum output power in different modes is less than 0.2 dB. The sample used for SAR testing has power level set 0.2 dB higher than the mass production tuning target. Based on above, SAR report of QMNRM-142 gives appropriate picture of SAR performance of device.

4) Please review previous FCC questions on HAC and answer the following questions that the FCC has historically required to be addressed in HAC reports:

a. Please give full details of the phone control and setup during testing.

See Report for details. Phone was setup with a base station simulator under SO2/RC1.

b. Please provide all data plots and contour maps for all device configurations tested. Please note that only 4 contour plots have been provided, but significantly more testing appears to have been done.

Please note that the included contour plots are for the worst-case configurations tested out of all the test configurations. This has been acceptable for previous filings for HAC to the commission.

c. Please adequately address all exclusion blocks.

See Report for details. No exclusion blocks were applied in this evaluation.

d. Please clarify if this device has 1xEV-DO capabilities. Please provide clear transmitter setup & operation capabilities to ensure that the device has been configured properly according to communication protocol and operating requirements to obtain valid HAC results. All modes must be tested.

Under EVDO, HAC evaluation was not required since EVDO for this phone is configured for “Data-Only” (i.e. no voice capability available during EVDO transmission)

e. Please give full details of the dipole antenna used and justification of the target values.

Please see Pages 3-19 on “6305i HAC Report 2.pdf” for dipole certificates with manufacturer target values used for system verification.

f. Please detail how drift was measured. Please provide details of the WD's signal. Include wideband and 0 span spectrum analyzer plots. How was the signal set up and controlled? What settings were used (i.e. power control modes, and radio service mode). Also, please include details of what exact standard the CDMA radio is capable of using i.e. IS-95 etc.

See Page 14 on HAC Report for details regarding how drift was measured. Please see attached document with 0 span spectrum analyzer plots. The signal was setup using a signal generator and spectrum analyzer (See plots).

6) We understand this, thank you.