

File 0684-EX-ST-2012 / Call sign WF9XKM Progress Report

1 Introduction

Qualcomm Incorporated (NASDAQ:QCOM - News) is the world leader in 3G and next-generation mobile technologies. For 25 years, Qualcomm ideas and inventions have driven the evolution of wireless communications, connecting people more closely to information, entertainment and each other. Today, Qualcomm technologies are powering the convergence of mobile communications and consumer electronics, making wireless devices and services more personal, affordable and accessible to people everywhere. For more information, please visit www.qualcomm.com.

Qualcomm was granted STA call sign KF9XKM to complete 14-14.5GHz testing in support of its Petition for Rulemaking to Amend the Commission's Rules To Establish A Next-Generation Air-Ground Communications Service On A Secondary Licensed Basis In The 14.0 to 14.5 GHz Band, RM-11640 in July 2011. Two rounds of Comments and Reply Comments were filed on the Petition in the Fall of 2011 and the Summer of 2012. See RM-11640. Qualcomm has also met with the FCC staff in IB, OET, and WTB to discuss the request and the expected performance of the Next-Gen Air-Ground system.

Table 1 below lists the tests dates that Qualcomm performed testing. Test data collected during the testing will also be used to address questions raised in regard to the Petition for Rulemaking.

Table 1: Test Log for call sign WF9XKM

Test Date	Test Time (Pacific)	Transmitter Center Frequency (GHz)	Emissions BW	Test Site #	Location Reference	County	Lat	Long	3dB BW	Azimuth	Peak EIRP		
											dBm	dBW	W
Tue, June 12, 2012	5am to 5pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	1	-29	0
Mon, June 18, 2012	5am to 5pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	1	-29	0
Thu, June 21, 2012	2 pm to 4 pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	1	-29	0
Wed, June 27, 2012	1:30 to 2:30 pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Thu, June 28, 2012	5am to 7am	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Mon, July 23, 2012	2:00pm to 3:00pm	14.45	5Mhz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Mon, July 30, 2012	2:00pm to 3:00pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Wed, Aug 1, 2012	6:00pm to 7:00pm	14.45	5MHz	2	Bakersfield	Kern	35 22 32 N	119 1 18 W	+/- 1 degree	320-330 degrees	65	35	3162
Thurs, Aug 2, 2012	6:30am to 8:30am	14.45	5MHz	2	Bakersfield	Kern	35 22 32 N	119 1 18 W	+/- 1 degree	320-330 degrees	65	35	3162
Thurs, Aug 2, 2012	6:00pm to 7:30pm	14.45	5MHz	2	Bakersfield	Kern	35 22 32 N	119 1 18 W	+/- 1 degree	320-330 degrees	65	35	3162
Friday, Aug 3, 2012	6:30am to 8:30am	14.45	5MHz	2	Bakersfield	Kern	35 22 32 N	119 1 18 W	+/- 1 degree	320-330 degrees	65	35	3162
Friday, Aug 10, 2012	2:00pm to 3:00pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Friday, Aug 13, 2012	2:00pm to 3:30pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Friday, Aug 28, 2012	3:00pm to 4:30pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Friday, Sept 17, 2012	5:00am to 7:00am	14.3, 14.325, 14.4, 14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Friday, Jan 4 2013	3:00pm to 5:30pm	14.45	5MHz	3	San Diego (Building WT)	San Diego	32 54 13 N	117 11 48 W	+/- 1 degree	295-310 degrees	65	35	3162
Friday, Jan 18 2013	10:00am to 2:00pm	14.45	5MHz	4	San Diego (Building N)	San Diego	32 53 42 N	117 11 42 W	+/- 1 degree	353.35 +/- 65 degrees	30	0	1
Friday, Jan 18 2013	2:00pm to 5:00pm	14.0, 14.25, 14.5	5MHz	4	San Diego (Building N)	San Diego	32 53 42 N	117 11 42 W	+/- 1 degree	353.35 +/- 65 degrees	65	35	3162
Tuesday, Feb 12 2013	2:00pm to 5:50pm	14.4	5MHz	4	San Diego (Building N)	San Diego	32 53 42 N	117 11 42 W	+/- 1 degree	353.35 +/- 65 degrees	30	0	1