

PCTEST ENGINEERING LABORATORY, INC.

6660-B Dobbin Road, Columbia, MD 21045 USA Tel. 410.290.6652 / Fax 410.290.6554 http://www.pctestlab.com



CERTIFICATE OF COMPLIANCE FCC Part 24 & 22 Certification

Applicant Name:

Sanyo Electric Co Ltd c/o Sanyo Fisher Company 21605 Plummer Street Chatsworth, CA 91311 USA Date of Testing: August 21 - 22, 2006 Test Site/Location: PCTEST Lab, Columbia, MD, USA Test Report Serial No.: 0608150675

FCC ID:

AEZSCP-M1

APPLICANT:

SANYO ELECTRIC CO LTD

Application Type: FCC Classification: FCC Rule Part(s): EUT Type: Model(s): Tx Frequency Range: Rx Frequency Range: Max. RF Output Power:	Certification PCS Licensed Portable Tx Held to Ear (PCE) §24(E), §22(H); §2 Dual-Band CDMA Phone with Bluetooth and EVDO SCP-M1 824.70 - 848.31 MHz (Cellular CDMA)1851.25 - 1908.75 MHz (PCS CDMA) 869.70 - 893.31 MHz (Cellular CDMA) / 1931.25 – 1988.75 MHz (PCS CDMA) 0.289 W ERP Cellular CDMA (24.613 dBm) / 0.447 W EIRP PCS xCDMA (26.501 dBm)
Max. SAR Measurement:	1.22 W/kg PCS Head SAR; 0.583 W/kg PCS Body SAR 0.711 W/kg CDMA Head SAR; 0.472 W/kg CDMA Body SAR
Emission Designator(s): Test Device Serial No.:	1M25F9W (CDMA) / 1M25F9W (PCS) identical prototype [S/N: FCC No. 1]

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Grant Conditions: Power output listed is ERP for Part 22 and EIRP for Part 24. SAR compliance for body-worn operating configuration is based on a separation distance of 1.9cm between the back of the unit and the body of the user. End-users must be informed of the body-worn operating requirements for satisfying RF exposure compliance. Belt clips or holsters may not contain metallic components.

PCTEST certifies that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.







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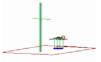
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SCOPE



Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and Industry Canada.



§2.1033 General Information

Applicant Name:	Sanyo Electric Co Ltd
Address:	c/o Sanyo Fisher Company 21605 Plummer Street Chatsworth, CA 91311 USA

- AEZSCP-M1 FCC ID:
- Quantity: Quantity production is planned
- Emission Designators: 1M25F9W
- Tx Freq. Range: 824.70 - 848.31 MHz (Cellular CDMA)

1851.25 - 1908.75 MHz (PCS CDMA)

- 869.70 893.31 MHz (Cellular CDMA) Rx Freq. Range: 1931.25 - 1988.75 MHz (PCS CDMA)
- Max. Power Rating: 0.289 W ERP Cellular CDMA (24.613 dBm) / 0.447 W EIRP PCS xCDMA (26.501 dBm)
- FCC Classification(s): PCS Licensed Portable Tx Held to Ear (PCE)
- Equipment (EUT) Type: Dual-Band CDMA Phone with Bluetooth and EVDO
- Modulation(s): CDMA
- Frequency Tolerance: ±0.00025 % (2.5 ppm)
- FCC Rule Part(s): § 24(E), §22(H)
- Dates of Tests: August 21 - 22, 2006
- Place of Tests: PCTEST Lab, Columbia, MD U.S.A.
- Test Report S/N: 0608150675
- Note: Deviation from measurement procedure - None

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INTRODUCTION 2.0

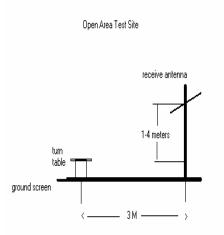
Testing Facility <u>2.1</u>



Figure 1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area.

2.2 Measurement Procedure

The radiated spurious measurements were made outdoors at a 3-meter test range (see Figure2). The equipment under test is placed on a wooden turntable 3-meters from the receive antenna. The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic antenna are taken into consideration.



These measurement tests were conducted at PCTEST

Business Park, Guilford Industrial Park, Columbia, Maryland. The site address is 6660-B Dobbin Road, Columbia, MD 21045. The test site is one of the highest points in the Columbia area with an elevation of 390 feet above mean sea level. The site coordinates are 39 11'15" N latitude and 76 49'38" W longitude. The facility is 1.5 miles North of the FCC laboratory, and the ambient signal and ambient signal strength are approximately equal to those of the FCC laboratory. There are no FM or TV transmitters within 15

measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2003 on

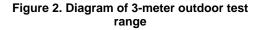
facility in New Concept

The detailed description of the

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January 27, 2006 and Industry Canada.

miles of the site.



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3.0 INSERTS

Function of Active Devices (Confidential)

Block & Schematic Diagrams (Confidential)

Operating Instructions

Parts List & Tune-Up Procedure (Confidential)

Description of Freq. Stabilization Circuit (Confidential)

Description for Suppression of Spurious Radiation, for Limiting Modulation, and Harmonic Suppression Circuits (Confidential)

Note: These exhibits are not included within this report.

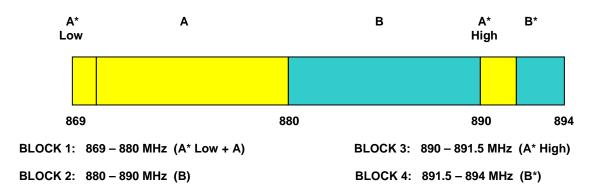
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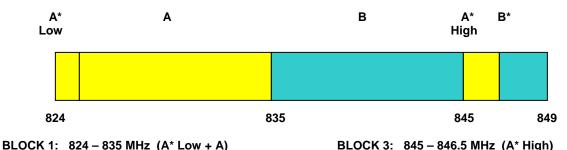
4.0 DESCRIPTION OF TESTS

4.1 Occupied Bandwidth Emission Limits

- a. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log(P) dB.
- b. Compliance with these provisions 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. 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 emission are attenuated at least 26 dB below the transmitter power.
- c. When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.
- d. The measurement of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.



4.2 Cellular - Base Frequency Blocks



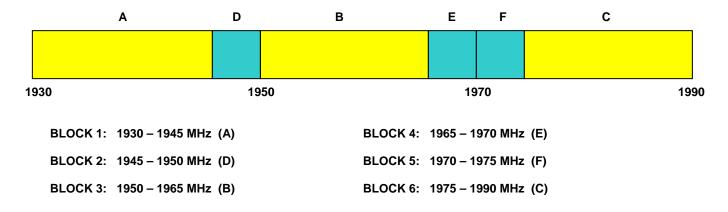
4.3 Cellular - Mobile Frequency Blocks

BLOCK 2: 835 - 845 MHz (B)

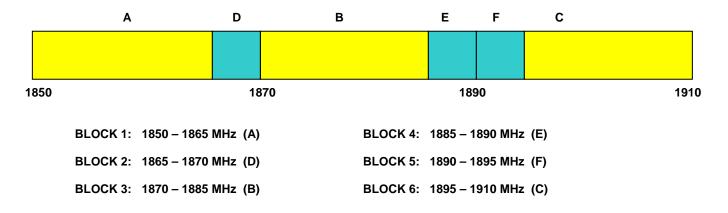
BLOCK 4: 846.5 - 849 MHz (B*)

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4.4 PCS - Base Frequency Blocks



4.5 PCS - Mobile Frequency Blocks



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At the input terminals of the spectrum analyzer, an isolator (RF pad) and a high-pass filter are connected between the test transceiver (for conducted tests) or the receive antenna (for radiated tests) and the analyzer. The high-pass filter (signals below 1.6 GHz) is to limit the fundamental frequency from interfering with the measurement of low-level spurious and harmonic emissions and to ensure that the preamplifier is not saturated.

4.7 Radiated Spurious and Harmonic Emissions

Radiation and harmonic emissions are measured outdoors at our 3-meter test range. The equipment under test is placed on a wooden turntable 3-meters from the receive antenna. The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer reading. This level is recorded. For readings above 1 GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration. This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

4.8 Frequency Stability / Temperature Variation

The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +60°C using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the voltage normally at the input to the device or at the power supply terminals if cables are not normally supplied.

Specification – The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ± 0.00025 (± 2.5 ppm) of the center frequency.

Time Period and Procedure:

1. The carrier frequency of the transmitter and the individual oscillators is measured at room temperature (22°C to 25°C to provide a reference).

2. The equipment is subjected to an overnight "soak" at -30°C without any power applied.

3. After the overnight "soak" at -30°C (usually 14-16 hours), the equipment is turned on in a "standby" condition for one minute before applying power to the transmitter. Measurement of the carrier frequency of the transmitter and the individual oscillators is made within a three minute interval after applying power to the transmitter.

4. Frequency measurements are made at 10°C interval up to room temperature. At least a period of one and one half-hour is provided to allow stabilization of the equipment at each temperature level.

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4.8 Frequency Stability / Temperature Variation (Cont'd)

5. Again the transmitter carrier frequency and the individual oscillators is measured at room temperature to begin measurement of the upper temperature levels.

6. Frequency measurements are at 10 intervals starting at -30°C up to +50°C allowing at least two hours at each temperature for stabilization. In all measurements the frequency is measured within three minutes after re-applying power to the transmitter.

7. The artificial load is mounted external to the temperature chamber.

NOTE: The EUT is tested down to the battery endpoint.

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5.0 CONDUCTED OUTPUT POWER

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

5.1 SAR Measurement Conditions for CDMA2000

The following procedures were followed according to FCC "SAR Measurement Procedures for 3G Devices", June 2006.

5.2 Output Power Verification

See 3GPP2 C.S0011/TIA-98-E as recommended by "SAR Measurement Procedures for 3G Devices", June 2006.

- 1. If the mobile station (MS) supports Reverse TCH RC 1 and Forward TCH RC 1, set up a call using Fundamental Channel Test Mode 1 (RC=1/1) with 9600 bps data rate only.
- 2. Under RC1, C.S0011 Table 4.4.5.2-1, Table 5-1 parameters were applied.
- 3. If the MS supports the RC 3 Reverse FCH, RC3 Reverse SCH0 and demodulation of RC 3,4, or 5, set up a call using Supplemental Channel Test Mode 3 (RC 3/3) with 9600 bps Fundamental Channel and 9600 bps SCH0 data rate.
- 4. Under RC3, C.S0011 Table 4.4.5.2-2, Table 5-2 was applied.
- 5. FCHs were configured at full rate for maximum SAR with "All Up" power control bits.

Parameter	Units	Value
Îor	dBm/1.23 MHz	-104
Pilot E _c I _{or}	dB	-7
Traffic E _c I _{or}	dB	-7.4

Table 5-1

Parameters for Max. Power for RC1

Parameter	Units	Value
Î _{or}	dBm/1.23 MHz	-86
$\frac{\text{Pilot } \mathbf{E_c}}{\mathbf{I_{or}}}$	dB	-7
$\frac{\text{Traffic } \mathbf{E_c}}{\mathbf{I_{or}}}$	dB	-7.4

Table 5-2 Parameters for Max. Power for RC3

	Table 5-3 Maximum Power Output Table for SCP-M1								
Band	Channel	SO2	SO2	SO55	SO55	TDSO SO32	1x EvDO Rev. 0	1x EvDO Rev. 0	
		RC1/1	RC3/3	RC1/1	RC3/3	RC3/3	(FTAP)	(RTAP)	
	1013	23.38	23.38	23.41	23.40	23.36	22.72	23.18	
Cellular	384	23.41	23.40	23.44	23.53	23.48	22.85	23.39	
	777	23.52	23.51	23.54	23.50	23.46	22.90	23.40	
	25	23.59	23.43	23.53	23.44	23.49	23.15	23.54	
PCS	600	23.54	23.52	23.57	23.58	23.55	23.12	23.51	
	1175	23.56	23.46	23.54	23.47	23.46	23.28	23.52	

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6.0 EFFECTIVE RADIATED POWER

6.1 Effective Radiated Power Output Data

Freq. Tuned (MHz)	REF. LEVEL (dBm)	POL (H/V)	ERP (W)	ERP (dBm)	BATTERY
824.70	-16.660	Н	0.289	24.613	Standard
836.52	-17.000	Н	0.278	24.433	Standard
848.31	-17.400	Н	0.262	24.183	Standard
836.52	-17.100	Н	0.271	24.333	Extended

POWER: High (CDMA Mode)

Note: Standard and extended batteries are options for this phone.

NOTES:

Effective Radiated Power Output Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, detector is used, with RBW = VBW = 1 MHz. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the dipole is measured. The ERP is recorded.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

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7.0 EQUIVALENT ISOTROPIC RADIATED POWER

7.1 Equivalent Isotropic Radiated Power Output Data

Radiated measurements at 3 meters

Supply Voltage:	3.7 VDC
Modulation:	PCS CDMA

FREQ. (MHz)	REF. LEVEL (dBm)	POL (H/V)	Azimuth (o angle)	EIRP (dBm)	EIRP (W)	Battery
1851.25	-16.580	Н	90	26.501	0.447	Standard
1880.00	-17.100	Н	90	26.151	0.412	Standard
1908.75	-17.500	Н	90	25.921	0.391	Standard
1880.00	-17.200	Н	90	26.051	0.403	Extended

Note: Standard and extended batteries are options for this phone

NOTES:

Equivalent Isotropic Radiated Power Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A Horn antenna was substituted in place of the EUT. This Horn antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the Horn antenna is measured. The difference between the gain of the horn and an isotropic antenna is taken into consideration and the EIRP is recorded.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

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8.0 RADIATED MEASUREMENTS

8.1 Cellular CDMA Radiated Measurements Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY:	824.70		MHz
CHANNEL:	1013 (Low)		_
MEASURED OUTPUT POWER:	24.613	dBm =	0.289 W
MODULATION SIGNAL:	CDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	$43 + 10 \log_{10} (W) =$	37.61	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS (dBm)	GAIN (dBd)	LEVEL (dBm)	(H/V)	(dBc)
1649.40	-38.88	6.10	-32.78	Н	57.4
2474.10	-40.28	6.70	-33.58	Н	58.2
3298.80	-44.28	6.80	-37.48	Н	62.1
4123.50	-85.68	6.50	-79.18	Н	103.8
4948.20	-84.38	7.00	-77.38	Н	102.0

NOTES:

Equivalent Isotropic Radiated Power Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A Horn antenna was substituted in place of the EUT. This Horn antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the Horn antenna is measured. The difference between the gain of the horn and an isotropic antenna is taken into consideration and the EIRP is recorded.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

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8.1 Cellular CDMA Radiated Measurements (Cont'd)

Field Strength of SPURIOUS Radiation

836.	.52	MHz
0384	(Mid)	-
24.613	dBm =	0.289 W
CDMA (Internal)		
3	meters	
$43 + 10 \log_{10} (W) =$	37.61	dBc
	0384 24.613 CDMA (Internal)	CDMA (Internal) 3 meters

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS	SUBSTITUTE ANTENNA GAIN	CORRECT GENERATOR LEVEL	POL (H/V)	(dBc)
	(dBm)	(dBd)	(dBm)		
1673.04	-38.08	6.10	-31.98	Н	56.6
2509.56	-43.38	6.70	-36.68	Н	61.3
3346.08	-44.48	6.80	-37.68	Н	62.3
4182.60	-85.78	6.50	-79.28	Н	103.9
5019.12	-83.78	7.00	-76.78	Н	101.4

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

PCTEST™ PT. 22/24 CDMA TEST REPORT	PCTEST:	FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		
0608150675	August 21 - 22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 14 of 26



8.1 Cellular CDMA Radiated Measurements (Cont'd)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY:	848.	31	MHz
CHANNEL:	0777 (High)	
MEASURED OUTPUT POWER:	24.613	dBm =	0.289 W
MODULATION SIGNAL:	CDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	$43 + 10 \log_{10} (W) =$	37.61	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS (dBm)	GAIN (dBd)	LEVEL (dBm)	(H/V)	(dBc)
1696.62	-40.08	6.10	-33.98	Н	58.6
2544.93	-43.58	6.70	-36.88	Н	61.5
3393.24	-45.08	6.80	-38.28	Н	62.9
4241.55	-85.68	6.50	-79.18	Н	103.8
5089.86	-83.98	7.00	-76.98	Н	101.6

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

PCTEST™ PT. 22/24 CDMA TEST REPORT		FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		
0608150675	August 21 - 22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 15 of 26



8.2 PCS CDMA Radiated Measurements

Field Strength of SPURIOUS Radiation

CHANNEL:	0025 (Low)	
MEASURED OUTPUT POWER:	26.501	dBm =	<u>0.447</u> W
MODULATION SIGNAL:	CDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	$43 + 10 \log_{10} (W) =$	39.50	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS (dBm)	GAIN (dBi)	LEVEL (dBm)	(H/V)	(dBc)
3702.50	-36.03	8.70	-27.33	Н	53.8
5553.75	-41.23	9.70	-31.53	Н	58.0
7405.00	-55.73	9.90	-45.83	Н	72.3
9256.25	-77.43	11.40	-66.03	Н	92.5
11107.50	-77.33	12.10	-65.23	Н	91.7

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

PCTEST™ PT. 22/24 CDMA TEST REPORT		FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		
0608150675	August 21 - 22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 16 of 26



8.2 PCS CDMA Radiated Measurements (Cont'd)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY:	1880	.00	MHz
CHANNEL:	0600 (Mid)	
MEASURED OUTPUT POWER:	26.501	dBm =	0.447 W
MODULATION SIGNAL:	CDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	$43 + 10 \log_{10} (W) =$	39.50	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS (dBm)	GAIN (dBi)	LEVEL (dBm)	(H/V)	(dBc)
		\ /			
3760.00	-35.33	8.70	-26.63	Н	53.1
5640.00	-58.13	9.70	-48.43	Н	74.9
7520.00	-45.03	9.90	-35.13	Н	61.6
9400.00	-77.23	11.40	-65.83	Н	92.3

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

PCTEST™ PT. 22/24 CDMA TEST REPORT	PCTEST.	FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		
0608150675		Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 17 of 26

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8.2 PCS CDMA Radiated Measurements (Cont'd)

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY:	1908	.75	MHz
CHANNEL:	1175 (High)		_
MEASURED OUTPUT POWER:	26.501	dBm =	<u>0.447</u> W
MODULATION SIGNAL:	CDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	43 + 10 log ₁₀ (W) =	39.50	dBc

FREQ.	LEVEL @ ANTENNA	SUBSTITUTE ANTENNA	CORRECT GENERATOR	POL	
(MHz)	TERMINALS (dBm)	GAIN (dBi)	LEVEL (dBm)	(H/V)	(dBc)
3817.50	-38.03	8.70	-29.33	Н	55.8
5726.25	-43.03	9.70	-33.33	Н	59.8
7635.00	-55.13	9.90	-45.23	Н	71.7
9543.75	-76.93	11.40	-65.53	Н	92.0
11452.50	-76.93	12.10	-64.83	Н	91.3

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 5 MHz. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

This device was tested under all R.C.s and S.O.s and the worst case is reported with EvDO FTAP with "All Up" power control bits.

PCTEST™ PT. 22/24 CDMA TEST REPORT	PCTEST.	FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		
0608150675	August 21 - 22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 18 of 26



9.0 FREQUENCY STABILITY

9.1 Frequency Stability (Cellular CDMA)

8.4 FREQUENCY STABILITY (CDMA)

OPERATING FREQUENCY: 836,520,005 Hz

CHANNEL: 384

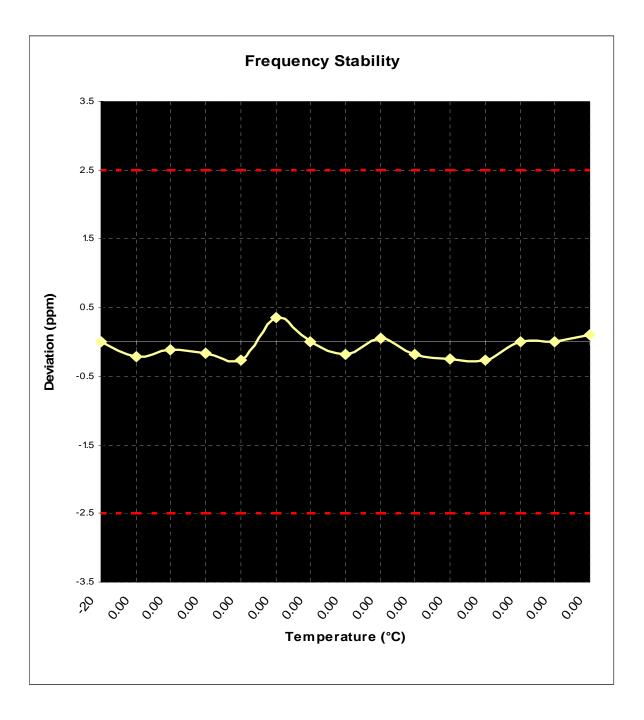
DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (ºC)	FREQ. (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.70	+ 20 (Ref)	836,520,005	0.00	0.000000
100 %		- 30	836,520,189	-184.03	-0.000022
100 %		-20	836,520,097	-92.02	-0.000011
100 %		-10	836,520,147	-142.21	-0.000017
100 %		0	836,520,222	-217.50	-0.000026
100 %		10	836,519,712	292.78	0.000035
100 %		20	836,520,005	0.00	0.000000
100 %		25	836,520,164	-158.94	-0.000019
100 %		30	836,519,963	41.83	0.000005
100 %		40	836,520,156	-150.57	-0.000018
100 %		50	836,520,214	-209.13	-0.000025
100 %		60	836,520,231	-225.86	-0.000027
85 %	3.15	20	836,520,005	0.00	0.000000
115 %	4.26	20	836,520,005	0.00	0.000000
BATT. ENDPOINT	2.9	20	836,519,921	83.65	0.000010

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Frequency Stability (Cellular CDMA) (Cont'd) <u>9.1</u>



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Test Report S/N:	Test Dates:	EUT Type:				
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9.2 Frequency Stability (PCS CDMA)

8.6 FREQUENCY STABILITY (PCS CDMA)

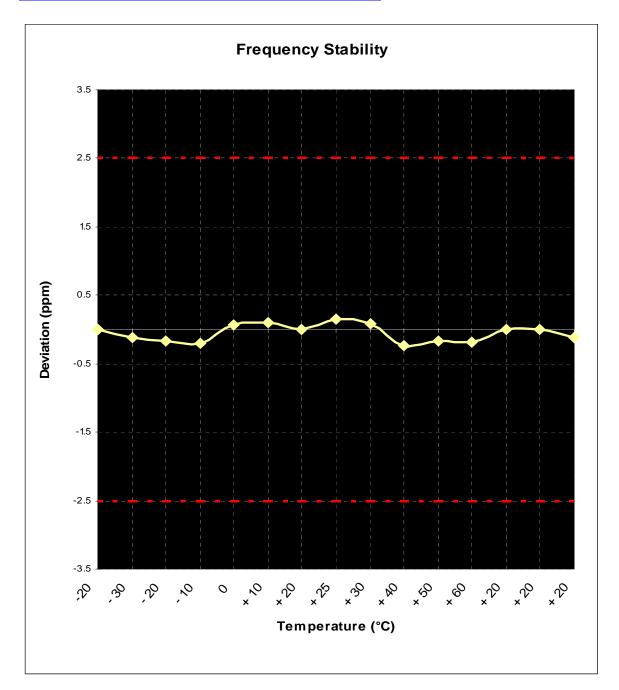
OPERATING FREQUENCY:	1,880,000,011	Hz
CHANNEL:	600	_
REFERENCE VOLTAGE:	3.7	VDC

DEVIATION LIMIT: <u>± 0.00025</u> % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (ºC)	FREQ. (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.70	+ 20 (Ref)	1,880,000,011	0.00	0.000000
100 %		- 30	1,880,000,237	-225.60	-0.000012
100 %		- 20	1,880,000,312	-300.80	-0.000016
100 %		- 10	1,880,000,406	-394.80	-0.000021
100 %		0	1,879,999,898	112.80	0.000006
100 %		+ 10	1,879,999,823	188.00	0.000010
100 %		+ 20	1,880,000,011	0.00	0.000000
100 %		+ 25	1,879,999,729	282.00	0.000015
100 %		+ 30	1,879,999,861	150.40	0.000008
100 %		+ 40	1,880,000,462	-451.20	-0.000024
100 %		+ 50	1,880,000,312	-300.80	-0.000016
100 %		+ 60	1,880,000,349	-338.40	-0.000018
85 %	3.15	+ 20	1,880,000,011	0.00	0.000000
115 %	4.26	+ 20	1,880,000,011	0.00	0.000000
BATT. ENDPOINT	3.00	+ 20	1,880,000,218	-206.80	-0.000011

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9.2 Frequency Stability (PCS CDMA) (Cont'd)

PCTEST™ PT. 22/24 CDMA TEST REPORT	PCTEST.	FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:			
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10.0 PLOT(S) OF EMISSIONS

(SEE ATTACHMENT A)

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Test Report S/N:	Test Dates:	EUT Type:			
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11.0 TEST EQUIPMENT

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST).

Microwave Spectrum Analyzer Agilent E4448A (3Hz-50GHz) 09/19/06 Annual US42510244 Spectrum Analyzer/Tracking Generator HP 8591A (9kHz-1.8GHz) 09/12/06 Annual 3144A02458 Spectrum Analyzer/Tracking Generator HP 8566B (100Hz-2.5GHz/2- 22GHz) 12/22/06 Annual 3638A08713 Signal Generator HP E8640D (500Hz-1GHz) 02/11/07 Annual 3613A00315 S Spectrum Analyzer HP E8640D (500Hz-1GHz) 03/08/07 Annual 3613A00315 S Spectrum Analysiter Agilent E8257D (250kHz-20GHz) 03/08/07 Annual 363370/079 S Watt Amplifier SS 154 (800MHz-4.2GHz) N/A N/A 22332 Universal Rower Meter Gigatronics 8651A (50MHz- 18GHz) 07/28/07 Annual 1834052 Power Sensor Gigatronics 80701A 04/11/07 Annual 1833460 Quasi-Peak Adapter HP 85650A 08/09/07 Annual 1043A00301 Preamplifier HP 85655A (20Hz-2GHz) 12/22/06 Annual 3701A22204 Attenutation/Switch Driver HP 1713A 12/22/06	ТҮРЕ	MODEL	CAL. DUE DATE	CAL. INTERVAL	SERIAL No.
GeneratorIn Got LinchSolutionFindedFindedFindedSpectrum AnalyzerHP 8566B (100Hz-2.5GHz/2- 22GHz)12/22/06Annual3638A08713Signal GeneratorHP E8640D (500Hz-1GHz)02/11/07Annual3613A00315PSG Analog Signal GeneratorAgilent E8257D (250KHz-20GHz)03/08/07AnnualMY454701945 Watt Amplifier5S1G4 (800MHz-4.2GHz)N/AN/A22332Universal Radio Communication TesterCMU20004/20/07Annual836370/079Ower SensorGigatronics 8651A (50MHz- 18GHz)07/28/07Annual1834052Power SensorGigatronics 80701A04/11/07Annual183460Quasi-Peak AdapterHP 86650A08/09/07Annual2043A00301PreamplifierHP 8449B (1-26.5GHz)12/22/06Annual3008A00985Attenutation/Switch DriverHP 8449B (1-26.5GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual0194-04082Alitech/Eaton AdapterN3/77A (30MHz – 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03482Horn AntennaEMCO Model 3116 (1-18GHz)08/25/07Bi-Annual9004-5182Horn AntennaEMCO Model 3116 (1-840GHz)08/25/07Bi-Annual9014-5182Horn AntennaEMCO Model 3116 (1-840GHz)08/25/07Bi-Annual903-2178Roberts DipolesComplian	Microwave Spectrum Analyzer	Agilent E4448A (3Hz-50GHz)	09/19/06	Annual	US42510244
Spectrum Analyzer22GHz)12/22/06Annual3638A08713Signal GeneratorHP E8640D (500Hz-1GHz)02/11/07Annual3613A00315PSG Analog Signal GeneratorAgilent E8257D (250kHz-20GHz)03/08/07AnnualMY454701945 Watt Amplifier5S1G4 (800MHz-4.2GHz)N/AN/A22332Universal Radio Communication resterCMU20004/20/07Annual836370/079Universal Power MeterGigatronics 8651A (50MHz- 18GHz)07/28/07Annual1834052Power SensorGigatronics 80701A04/11/07Annual1834061Quasi-Peak AdapterHP 85650A08/09/07Annual2043A00301PreamplifierHP 8449B (1-26.5GHz)12/22/06Annual3008A00985Attenutation/Switch DriverHP 1713A12/22/06AnnualN/APreselectorHP 8665A (20Hz-2GHz)12/22/06Annual0194-04082Ailtech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Ailtech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)08/07/07Annual9023-2178Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03484Horn AntennaEMCO Model 3116 (1.8440GHz)08/25/07Bi-Annual9023-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AN/AEMCO Dipoles (2)N/AS16/2, 3816/2, 3725/2		· · · ·	09/12/06	Annual	3144A02458
PSG Analog Signal GeneratorAgilent E8257D (250kHz-20GHz)03/08/07AnnualMY454701945 Watt Amplifier5S1G4 (800MHz-4.2GHz)N/AN/A22332Universal Radio Communication TesterCMU20004/20/07Annual836370/079Universal Power MeterGigatronics 8651A (50MHz- 18GHz)07/28/07Annual1834052Power SensorGigatronics 80701A04/11/07Annual1833460Quasi-Peak AdapterHP 86650A08/09/07Annual3008A00985PreamplifierHP 8449B (1-26.5GHz)12/22/06Annual3008A00985Attenutation/Switch DriverHP 11713A12/22/06AnnualN/APreselectorHP 85685A (20Hz-2GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/19/06Annual0194-04082Aittech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Aittech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)08/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03345Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO Dipoles (2)N/A05/08/07Annual00023951IMC OLISN (3)38/6/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8433BN/AN/A <td>Spectrum Analyzer</td> <td>,</td> <td>12/22/06</td> <td>Annual</td> <td>3638A08713</td>	Spectrum Analyzer	,	12/22/06	Annual	3638A08713
5 Watt Amplifier 5S1G4 (800MHz-4.2GHz) N/A N/A 22332 Universal Radio Communication Tester CMU200 04/20/07 Annual 836370/079 Universal Power Meter Gigatronics 8651A (50MHz- 18GHz) 07/28/07 Annual 1834052 Power Sensor Gigatronics 80701A 04/11/07 Annual 1833460 Quasi-Peak Adapter HP 85650A 08/09/07 Annual 2043A00301 Preamplifier HP 8449B (1-26.5GHz) 12/22/06 Annual 3008A00985 Attenutation/Switch Driver HP 11713A 12/22/06 Annual N/A 6dB Res BW Spec. Analyzer Display OPT 462 12/22/06 Annual 0194-04082 Alitech/Eaton Adapter CCA-7 CISPR/ANSI QP Adapter 12/19/06 Annual 0194-04082 Alitech/Eaton Receiver N37/57A (30MHz - 1GHz) 06/07/7 Annual 0805-03334 Broadband Amplifier (2) HP 8447D (0.1 – 1300MHz) N/A N/A 2443A01900, 1937A0348 Horn Antenna EMCO Model 3115 (1-18GHz) 08/25/07 Bi-Annual 9203-2178 <td>Signal Generator</td> <td>HP E8640D (500Hz-1GHz)</td> <td>02/11/07</td> <td>Annual</td> <td>3613A00315</td>	Signal Generator	HP E8640D (500Hz-1GHz)	02/11/07	Annual	3613A00315
Universal Radio Communication TesterCMU20004/20/07Annual836370/079Universal Power MeterGigatronics 8651A (50MHz- 18GHz)07/28/07Annual1834052Power SensorGigatronics 80701A04/11/07Annual1833460Quasi-Peak AdapterHP 85650A08/09/07Annual2043A00301PreamplifierHP 8449B (1-26.5GHz)12/22/06Annual3008A00985Attenutation/Switch DriverHP 11713A12/22/06AnnualN/APreselectorHP 85685A (20Hz-2GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual0194-04082Alitech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Alitech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual5118EMCO Dipoles (2)N/A05/08/07Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCoax (1.0-26.5GHz)02/26/07Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AR2437 (PCT270)Shielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT270)Shielded S	PSG Analog Signal Generator	Agilent E8257D (250kHz-20GHz)	03/08/07	Annual	MY45470194
TesterCHCCCCHCCCCHCCCCHCCCCHCCCUniversal Power MeterGigatronics 8651A (50MHz- 18GHz)07/28/07Annual1834052Power SensorGigatronics 80701A04/11/07Annual1833460Quasi-Peak AdapterHP 85650A08/09/07Annual2043A00301PreamplifierHP 8449B (1-26.5GHz)12/22/06Annual3008A00985Attenutation/Switch DriverHP 11713A12/22/06AnnualN/APreselectorHP 85685A (20Hz-2GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual0194-04082Ailtech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Ailtech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual90023951EMCO Dipoles (2)N/A05/08/07Annual01023951EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicrowave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT270)Shielded S	5 Watt Amplifier	5S1G4 (800MHz-4.2GHz)	N/A	N/A	22332
Universal Power Meter 18GHz) 07/28/07 Annual 1834052 Power Sensor Gigatronics 80701A 04/11/07 Annual 1833460 Quasi-Peak Adapter HP 85650A 08/09/07 Annual 2043A00301 Preamplifier HP 85650A 08/09/07 Annual 3008A00985 Attenutation/Switch Driver HP 11713A 12/22/06 Annual N/A Preselector HP 85685A (20Hz-2GHz) 12/22/06 Annual 3701A22204 GdB Res BW Spec. Analyzer OPT 462 12/22/06 Annual 0194-04082 Ailtech/Eaton Adapter CCA-7 CISPR/ANSI QP Adapter 12/19/06 Annual 0805-03334 Broadband Amplifier (2) HP 8447D (0.1 – 1300MHz) N/A N/A 2443A01900, 1937A03346 Horn Antenna EMCO Model 3115 (1-18GHz) 08/25/07 Bi-Annual 9704-5182 Horn Antenna EMCO Model 3116 (18-40GHz) 08/31/06 Annual 5118 EMCO Dipoles (2) N/A 05/08/07 Annual 1077, 1079, 2099 10dB Attenuator HP 8433B		CMU200	04/20/07	Annual	836370/079
Quasi-Peak AdapterHP 85650A08/09/07Annual2043A00301PreamplifierHP 8449B (1-26.5GHz)12/22/06Annual3008A00985Attenutation/Switch DriverHP 11713A12/22/06AnnualN/APreselectorHP 85685A (20Hz-2GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual0194-04082Aittech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Aittech/Eaton ReceiverNM 37/57A (30MHz - 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 - 1300MHz)N/AN/A2443A01900, 1937A03348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18+40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicrowave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AN/AShielded Screen RoomRF Lindgren Model 2881N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Universal Power Meter	0	07/28/07	Annual	1834052
PreamplifierHP 8449B (1-26.5GHz)12/22/06Annual3008A00985Attenutation/Switch DriverHP 11713A12/22/06AnnualN/APreselectorHP 85685A (20Hz-2GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual3701A22204Ailtech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Ailtech/Eaton ReceiverNM 37/57A (30MHz - 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 - 1300MHz)N/AN/A2443A01900, 1937A0348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Power Sensor	Gigatronics 80701A	04/11/07	Annual	1833460
Attenutation/Switch DriverHP 11713A12/22/06AnnualN/APreselectorHP 85685A (20Hz-2GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual3701A22204Alitech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Alitech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Quasi-Peak Adapter	HP 85650A	08/09/07	Annual	2043A00301
PreselectorHP 85685A (20Hz-2GHz)12/22/06AnnualN/A6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual3701A22204Ailtech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Ailtech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03488Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual10177, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicrowave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Preamplifier	HP 8449B (1-26.5GHz)	12/22/06	Annual	3008A00985
6dB Res BW Spec. Analyzer DisplayOPT 46212/22/06Annual3701A22204Ailtech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Ailtech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/31/06Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicrowave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Attenutation/Switch Driver	HP 11713A	12/22/06	Annual	N/A
DisplayDifferDifferDifferDifferAiltech/Eaton AdapterCCA-7 CISPR/ANSI QP Adapter12/19/06Annual0194-04082Ailtech/Eaton ReceiverNM 37/57A (30MHz – 1GHz)06/07/07Annual0805-03334Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/A2443A01900, 1937A03348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO Dipoles (2)N/A05/08/07Annual00023951EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicrowave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Preselector	HP 85685A (20Hz-2GHz)	12/22/06	Annual	N/A
Ailtech/Eaton Receiver NM 37/57A (30MHz – 1GHz) 06/07/07 Annual 0805-03334 Broadband Amplifier (2) HP 8447D (0.1 – 1300MHz) N/A N/A 2443A01900, 1937A03348 Horn Antenna EMCO Model 3115 (1-18GHz) 08/25/07 Bi-Annual 9704-5182 Horn Antenna EMCO Model 3116 (18-40GHz) 08/25/07 Bi-Annual 9203-2178 Roberts Dipoles Compliance Design (1 set) A100 08/31/06 Annual 5118 EMCO LISN (3) 3816/2, 3816/2, 3725/2 10/26/06 Annual 1077, 1079, 2099 10dB Attenuator HP 8493B N/A N/A N/A MicroCoax (1.0-26.5GHz) 02/26/07 Annual 0710 (PCT270) Shielded Screen Room RF Lindgren Model 26-2/2-0 N/A N/A R2437 (PCT278) Environmental Chamber Associated Systems 1025 08/08/07 Annual PCT285		OPT 462	12/22/06	Annual	3701A22204
Broadband Amplifier (2)HP 8447D (0.1 – 1300MHz)N/AN/AN/A2443A01900, 1937A03348Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO Dipoles (2)N/A05/08/07Annual00023951EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285		CCA-7 CISPR/ANSI QP Adapter	12/19/06	Annual	0194-04082
Horn AntennaEMCO Model 3115 (1-18GHz)08/25/07Bi-Annual9704-5182Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO Dipoles (2)N/A05/08/07Annual00023951EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/A6710 (PCT270)Shielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Ailtech/Eaton Receiver	NM 37/57A (30MHz – 1GHz)	06/07/07	Annual	0805-03334
Horn AntennaEMCO Model 3116 (18-40GHz)08/25/07Bi-Annual9203-2178Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO Dipoles (2)N/A05/08/07Annual00023951EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/AAShielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Broadband Amplifier (2)	HP 8447D (0.1 – 1300MHz)	N/A	N/A	2443A01900, 1937A03348
Roberts DipolesCompliance Design (1 set) A10008/31/06Annual5118EMCO Dipoles (2)N/A05/08/07Annual00023951EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicrowave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/A6710 (PCT270)Shielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Horn Antenna	EMCO Model 3115 (1-18GHz)	08/25/07	Bi-Annual	9704-5182
EMCO Dipoles (2)N/A05/08/07Annual00023951EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/A6710 (PCT270)Shielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Horn Antenna	EMCO Model 3116 (18-40GHz)	08/25/07	Bi-Annual	9203-2178
EMCO LISN (3)3816/2, 3816/2, 3725/210/26/06Annual1077, 1079, 209910dB AttenuatorHP 8493BN/AN/AN/AMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/A6710 (PCT270)Shielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	Roberts Dipoles	Compliance Design (1 set) A100	08/31/06	Annual	5118
10dB AttenuatorHP 8493BN/AN/AMicrowave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/A6710 (PCT270)Shielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	EMCO Dipoles (2)	N/A	05/08/07	Annual	00023951
Microwave CablesMicroCoax (1.0-26.5GHz)02/26/07AnnualN/AShielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/A6710 (PCT270)Shielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	EMCO LISN (3)	3816/2, 3816/2, 3725/2	10/26/06	Annual	1077, 1079, 2099
Shielded Screen RoomRF Lindgren Model 26-2/2-0N/AN/A6710 (PCT270)Shielded Semi-Anechoic ChamberRay Proof Model S81N/AN/AR2437 (PCT278)Environmental ChamberAssociated Systems 102508/08/07AnnualPCT285	10dB Attenuator	HP 8493B	N/A	N/A	N/A
Shielded Semi-Anechoic Chamber Ray Proof Model S81 N/A N/A R2437 (PCT278) Environmental Chamber Associated Systems 1025 08/08/07 Annual PCT285	Microwave Cables	MicroCoax (1.0-26.5GHz)	02/26/07	Annual	N/A
Environmental Chamber Associated Systems 1025 08/08/07 Annual PCT285	Shielded Screen Room	RF Lindgren Model 26-2/2-0	N/A	N/A	6710 (PCT270)
	Shielded Semi-Anechoic Chamber	Ray Proof Model S81	N/A	N/A	R2437 (PCT278)
OATS N/A 01/27/2009 Tri-annual N/A	Environmental Chamber	Associated Systems 1025	08/08/07	Annual	PCT285
	OATS	N/A	01/27/2009	Tri-annual	N/A

Table 11-1. Test Equipment

PCTEST™ PT. 22/24 CDMA TEST REPORT	PCTEST.	FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		
0608150675	August 21 - 22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 24 of 26



12.0 SAMPLE CALCULATIONS

Emission Designator

Emission Designator = 1M25F9W

CDMA BW = 1.25 MHz F = Frequency Modulation 9 = Composite Digital Info W = Combination (Audio/Data) (Measured at the 99.75% power bandwidth)

Spurious Radiated Emission - PCS Band

Example: Channel 25 PCS Mode 2nd Harmonic (3702.50 MHz)

The receive analyzer reading at 3 meters with the EUT on the turntable was -81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of -81.0 dBm on the receive analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 3702.50 MHz. So 6.1 dB is added to the signal generator reading of -30.9 dBm yielding -24.80 dBm. The fundamental EIRP was 25.501 dBm so this harmonic was 25.501 dBm -(-24.80) = 50.3 dBc.

PCTEST™ PT. 22/24 CDMA TEST REPORT	CALE ST.	FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		
0608150675	August 21 - 22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 25 of 26



CONCLUSION 13.0

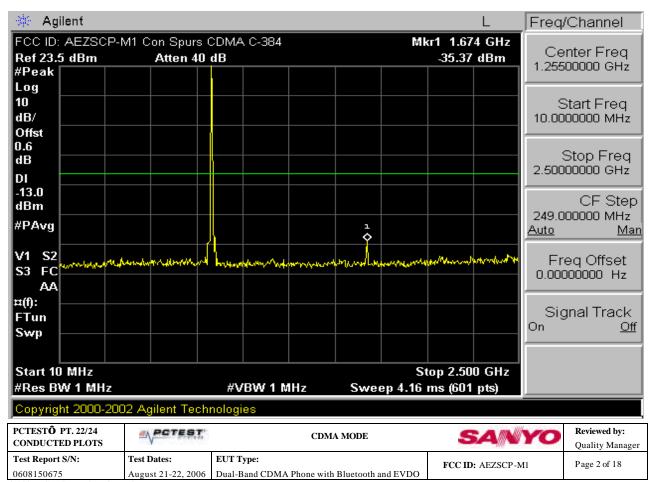
The data collected shows that the Sanyo Dual-Band CDMA Phone with Bluetooth and EVDO FCC ID: AEZSCP-M1 complies with all the requirements of Parts 2, 22, and 24 of the FCC rules.

PCTEST™ PT. 22/24 CDMA TEST REPORT		FCC MEASUREMENT REPORT (CDMA)	SANYO	Reviewed by: Quality Manager			
Test Report S/N:	Test Dates:	EUT Type:					
0608150675	August 21 - 22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	FCC ID: AEZSCP-M1	Page 26 of 26			
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🔆 Agilent			L	Freq/Channel
Ref 23.5 dBm #Peak	1 Con Spurs CDMA C-1013 Atten 40 dB	3	Mkr1 1.649 GHz -36.45 dBm	Center Freq 1.25500000 GHz
Log 10 dB/				Start Freq 10.0000000 MHz
Offst 0.6 dB DI				Stop Freq 2.5000000 GHz
-13.0 dBm #PAvg		1		CF Step 249.000000 MHz <u>Auto Mar</u>
V1 S2 S3 FC AA	-moto rente moto and a	almonter and the second		Freq Offset 0.00000000 Hz
¤(f): FTun Swp				Signal Track ^{On <u>Off</u>}
Start 10 MHz #Res BW 1 MHz	#VBW 1 t	AHz Sweep	Stop 2.500 GHz 4.16 ms (601 pts)	
Copyright 2000-2002	Agilent Technologies			

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 1 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		
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🔆 Agilent			L	Freq/Channel
Ref 23.5 dBm #Peak	M1 Con Spurs CDMA C-1013 Atten 40 dB		7.912 GHz 34.88 dBm	Center Freq 6.25000000 GHz
Log 10 dB/ Offst				Start Freq 2.50000000 GHz
0.6 dB DI				Stop Freq 10.0000000 GHz
-13.0 dBm #PAvg		1 \$		CF Step 750.000000 MHz <u>Auto Ma</u>
V1 S2 S3 FC AA	union-separation and a grow with the sound of the		Mar Hay 1 4 100 10 - 30-17-184	Freq Offset 0.00000000 Hz
¤(f): FTun Swp				Signal Track ^{On <u>Off</u>}
Start 2.500 GHz #Res BW 1 MHz	#VBW 1 M		10.000 GHz s (601 pts)	
	#VBW 1 M D2 Agilent Technologies	Hz Sweep 12.52 ms	s (601 pts)	



🔆 Agilent			L	Freq/Channel
#Peak	Spurs CDMA C-384 ten 40 dB	Mkr1 7.0 -35.6	50 GHz 6 dBm	Center Freq 6.25000000 GHz
Log 10 dB/ Offst				Start Freq 2.5000000 GHz
0.6 dB DI				Stop Freq 10.0000000 GHz
-13.0 dBm #PAvg		1		CF Step 750.000000 MHz <u>Auto Man</u>
V1 S2 S3 FC AA	belitering and all the second approximately and	a here the second and the second and the second	ale man in	Freq Offset 0.00000000 Hz
¤(f): FTun Swp				Signal Track ^{On <u>Off</u>}
Start 2.500 GHz #Res BW 1 MHz	#VBW 1 MH	Stop 10.0 z Sweep 12.52 ms (60		
Copyright 2000-2002 Agiler	nt Technologies			

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 3 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		
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🔆 Agiler	nt								L	Freq/Channel
Ref 23.5 o #Peak	EZSCP-M1 C	on Spurs Atten 40		. C-777			Mk	ar1 1.69 -36.75		Center Freq 1.25500000 GHz
Log 10 dB/ Offst										Start Freq 10.0000000 MHz
0.6 dB DI										Stop Freq 2.5000000 GHz
-13.0 dBm #PAvg						1				CF Step 249.000000 MHz <u>Auto Man</u>
V1 S2 S3 FC AA	and the state of the second	mathalpeaners	Num	an a	and the part of the section of the s	where we have	get the state of the	unyrt Aprox	gelohanaraka	Freq Offset 0.00000000 Hz
¤(f): FTun Swp —										Signal Track On <u>Off</u>
Start 10 M #Res BW			#V	BW 1 M	IHz	Swee	St ep 4.16	op 2.50 ms (601		
Copyright	2000-2002 Aç	gilent Tecl	hnologi	es						

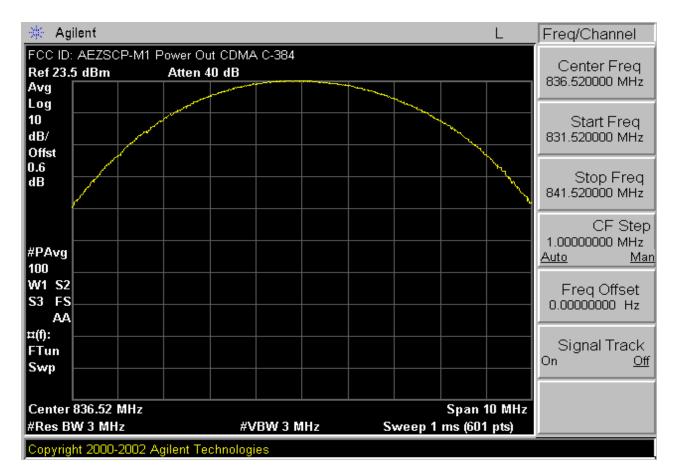
PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 4 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		
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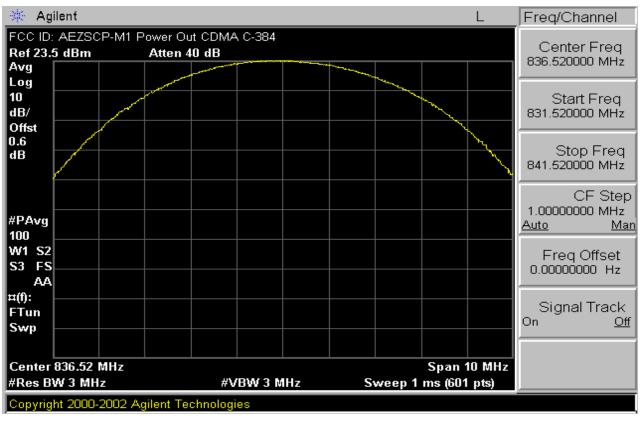
🔆 Agilent				L	Freq/Channel
Ref 23.5 dBm #Peak	11 Con Spurs CDMA C-777 Atten 40 dB		Mkr1 7.900 -35.59		Center Freq 6.25000000 GHz
Log 10 dB/ Offst					Start Freq 2.50000000 GHz
dB					Stop Freq 10.0000000 GHz
-13.0 dBm #PAvg			1		CF Step 750.000000 MHz <u>Auto Ma</u> i
V1 S2 www.w/w ^{.//} www.w/ S3 FC AA	helpen alexandra and a second	non of the second second	an Some with an amount work	untreender	Freq Offset 0.00000000 Hz
¤(f): FTun Swp					Signal Track ^{On <u>Off</u>}
Start 2.500 GHz #Res BW 1 MHz	#VBW 11	MHz Swee	Stop 10.000 p 12.52 ms (601 p		
	2 Agilent Technologies	WHZ SWEE	p 12.52 115 (001)	лар	<u></u>

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 5 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		
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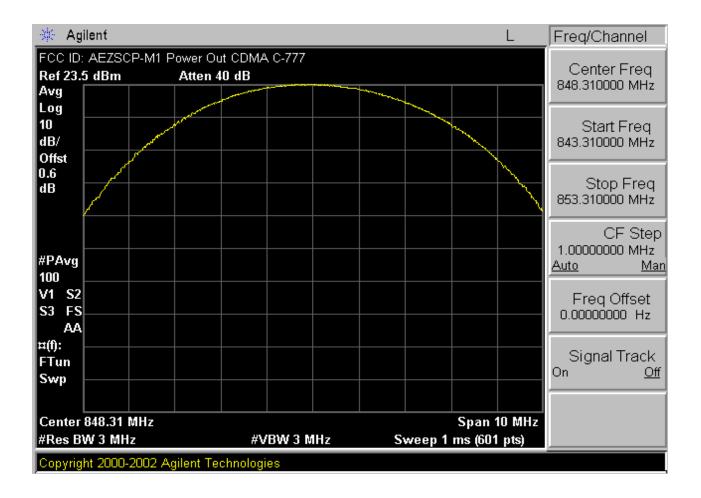
🔆 Agilent		L	Freq/Channel
Avg	Out CDMA C-1013 n 40 dB		Center Freq 824.700000 MHz
Log 10 dB/			Start Freq 819.700000 MHz
Offst 0.6 dB			Stop Freq 829.700000 MHz
#PAvg 100			CF Step 1.00000000 MHz <u>Auto Man</u>
W1 S2 S3 FS AA			Freq Offset 0.00000000 Hz
¤(f): FTun Swp			Signal Track On <u>Off</u>
Center 824.70 MHz #Res BW 3 MHz	#VBW 3 MHz	Span 10 MHz Sweep 1 ms (601 pts)	
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PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 6 of 18
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PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
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0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		6



PCTESTÔ PT. 22/2 CONDUCTED PLO	and the second s	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 8 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		Ŭ
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🔆 Agilent			L	Freq/Channel
Ref 23.5 dBm #Peak	Band Edge CDMA C-101 Atten 40 dB	3 M	kr1 824.000 MHz -14.913 dBm	Center Freq 824.000000 MHz
Log 10 dB/ Offst		man		Start Freq 821.500000 MHz
0.6 dB DI		¢		Stop Freq 826.500000 MHz
-13.0 dBm #PAvg				CF Step 500.000000 kHz <u>Auto Ma</u> i
100 W1 S2 S3 FS AA	and a second sec		V V V V V V V V V V V V V V V V V V V	Freq Offset 0.00000000 Hz
¤(f): f>50k Swp				Signal Track ^{On <u>Off</u>}
Center 824.000 MHz #Res BW 13 kHz	#VBW 13	kHz Sweep 35.	Span 5 MHz 68 ms (601 pts)	
Copyright 2000-2002 /				

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 9 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		
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🔆 Agilent				L	Freq/Channel
FCC ID: AEZSCP-M1 E Ref 23.5 dBm #Peak	Band Edge CDMA (Atten 40 dB	>777		849.000 MHz 13.570 dBm	Center Freq 849.00000 MHz
Log 10 dB/ Offst		~~~~~			Start Freq 846.500000 MHz
0.6 dB DI					Stop Freq 851.500000 MHz
-13.0 dBm #PAvg 100		- \\\.			CF Step 500.000000 kHz <u>Auto Ma</u>
V1 S2 S3 FS AA			- Contraction	monorman	Freq Offset 0.00000000 Hz
¤(f): f>50k Swp				and the second sec	Signal Track On <u>Off</u>
Center 849.000 MHz #Res BW 13 kHz	#VBV	V 13 kHz	Sweep 35.68 n	Span 5 MHz 1s (601 pts)	
Copyright 2000-2002 A	gilent Technologies				

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 10 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		
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🔆 Agilent				RL	Freq/Channel
FCC ID: AEZSCP-M1 E Ref 23.5 dBm #Peak	and Edge CDMA C- Atten 40 dB	1013	Mkr1	824.000 MHz -14.491 dBm	Center Freq 824.000000 MHz
Log 10 dB/			~		Start Freq 823.00000 MHz
Offst 0.6 dB		1			Stop Freq 825.00000 MHz
DI					CF Step 200.000000 kHz
100 W1 S2 S3 FS					Freq Offset 0.00000000 Hz
AA ¤(f): f>50k Swp					 Signal Track On <u>Off</u>
Center 824.000 MHz		13 kHz	Sweep 14.28	Span 2 MHz	
#Res BW 13 kHz Copyright 2000-2002 Ag					

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 11 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO				
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FCC ID: AEZSCP-M1 E Ref 23.5 dBm #Peak Log	Band Edge CDM/ Atten 40 dB	4 C-777	Mkr	1 849.000 MHz	
Log				-13.858 dBm	Center Freq 849.000000 MHz
10 dB/		w~			Start Freq 848.000000 MHz
Offst D.6 dB DI					Stop Freq 850.000000 MHz
-13.0 dBm #PAvg			1 ~		CF Step 200.000000 kHz Auto Ma
100 W1 S2 S3 FS AA				harmon	Freq Offset 0.00000000 Hz
‡(f): />50k Swp					Signal Track On <u>Ot</u>
Center 849.000 MHz #Res BW 13 kHz	#V	BW 13 kHz	Sweep 14.28	Span 2 MHz 3 ms (601 pts)	

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 12 of 18	
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO			
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🔆 Agilent				RL	Freq/Channel
FCC ID: AEZSCP-M1 Ref 23.5 dBm #Peak	4 MHz Span CDMA C- Atten 40 dB	1013		22.987 MHz 2.437 dBm	Center Freq 821.000000 MHz
Log 10 dB/					Start Freq 819.00000 MHz
Offst 0.6 dB DI					Stop Freq 823.00000 MHz
-13.0 dBm #PAvg				1	CF Step 400.000000 kHz <u>Auto Mar</u>
100 V1 S2 S3 FS AA		-		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Freq Offset 0.00000000 Hz
¤(f): f>50k Swp					Signal Track On <u>Off</u>
Center 821.000 MHz #Res BW 100 kHz	#VBW 10	0 kHz	Sweep 1 m	Span 4 MHz is (601 pts)	
Copyright 2000-2002	Agilent Technologies				

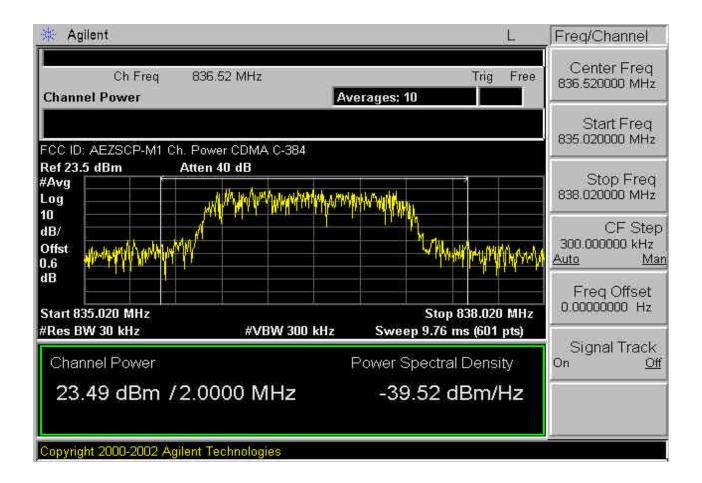
PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 13 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		6		
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🔆 Agilent			RL	Freq/Channel
FCC ID: AEZSCP-M1 4 Ref 23.5 dBm #Peak	MHz Span CDMA C-777 Atten 40 dB	Mkr1	850.000 MHz -30.649 dBm	Center Freq 852.000000 MHz
Log 10 dB/				Start Freq 850.000000 MHz
Offst 0.6 dB DI				Stop Freq 854.000000 MHz
-13.0 dBm #PAvg				CF Step 400.000000 kHz Auto Mar
100 V1 S2 S3 FS AA		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Freq Offset 0.00000000 Hz
¤(f): f>50k Swp				Signal Track ^{On <u>Off</u>}
Center 852.000 MHz #Res BW 100 kHz	#VBW 100 kH	z Sweep 1	Span 4 MHz ms (601 pts)	
Copyright 2000-2002 A	gilent Technologies			

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 14 of 18	
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO			
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🔆 Agilent L	Freq/Channel
Ch Freq 836.52 MHz Trig Free Occupied Bandwidth Averages: 10	Center Freq 836.520000 MHz
FCC ID: AEZSCP-M1 Occpd BW CDMA C-384	Start Freq 835.020000 MHz
Ref 23.5 dBm Atten 40 dB #Samp Log	Stop Freq 838.020000 MHz
	CF Step 300.000000 kHz <u>Auto Man</u>
dB Start 835.020 MHz Stop 838.020 MHz	Freq Offset 0.00000000 Hz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.76 ms (601 pts)	
Occupied Bandwidth Occ BW % Pwr 99.00 %	Signal Track On <u>Off</u>
1.2537 MHz × dB -26.00 dB	
Transmit Freq Error -32.483 kHz x dB Bandwidth 1.393 MHz*	
Copyright 2000-2002 Agilent Technologies	

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 15 of 18		
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PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 16 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	ree Brinkser im			
© 2006 PCTEST Engineering Laboratory. Inc.						

🔆 Agilent					L	Freq/Channel
FCC ID: AEZSCP-M Ref 23.5 dBm #Avg	1 Con Spurs PCS Atten 40 dB	C-25			.164 GHz 27 dBm	Center Freq 1.25500000 GHz
Log 10 dB/ Offst						Start Freq 10.0000000 MHz
dB						Stop Freq 2.5000000 GHz
-13.0 dBm #PAvg				1		CF Step 249.000000 MHz <u>Auto Mar</u>
V1 S2 S3 FC AA			(- *** * +, * +	L		Freq Offset 0.00000000 Hz
¤(f): FTun Swp						Signal Track ^{On <u>Off</u>}
Center 1.255 GHz Span 2.49 GHz #Res BW 1 MHz #VBW 1 MHz Sweep 9.595 ms (2000 pts)						
Copyright 2000-2002						

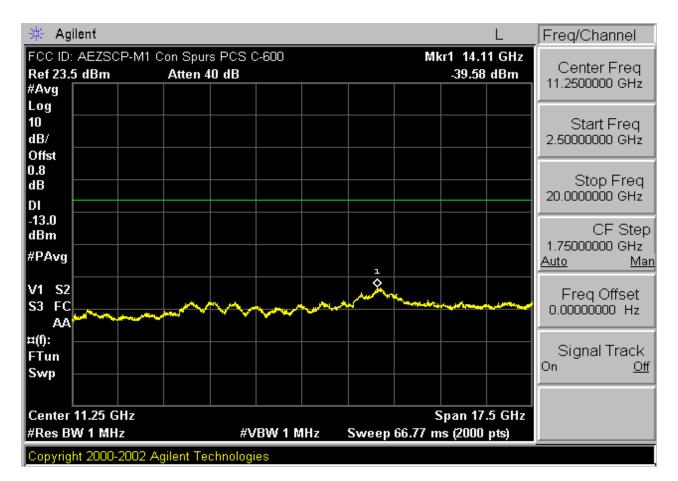
PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 17 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO				
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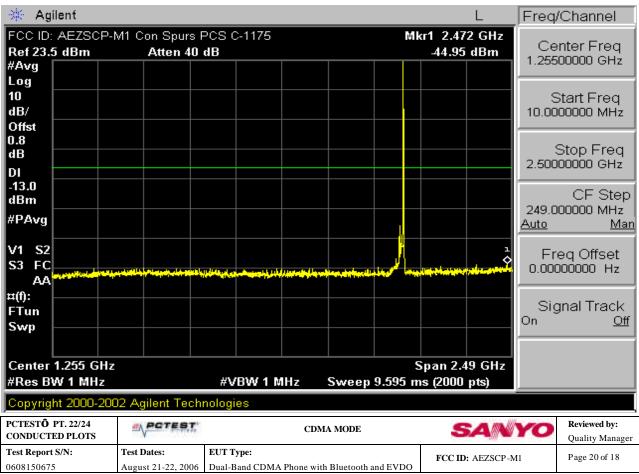
🔆 Agilent			L	Freq/Channel
Ref 23.5 dBm #Avg	1 Con Spurs PCS C-25 Atten 40 dB	M	kr1 14.15 GHz -40.21 dBm	Center Freq 11.2500000 GHz
Log 10 dB/				Start Freq 2.50000000 GHz
Offst 0.8 dB DI				Stop Freq 20.0000000 GHz
-13.0 dBm #PAvg				CF Step 1.75000000 GHz <u>Auto Mar</u>
V1 S2 S3 FC		~~~^ ¹	and the second sec	Freq Offset 0.00000000 Hz
¤(f): FTun Swp				Signal Track On <u>Off</u>
Center 11.25 GHz #Res BW 1 MHz				
Copyright 2000-2002	Agilent Technologies			

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 18 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	ree in million with			
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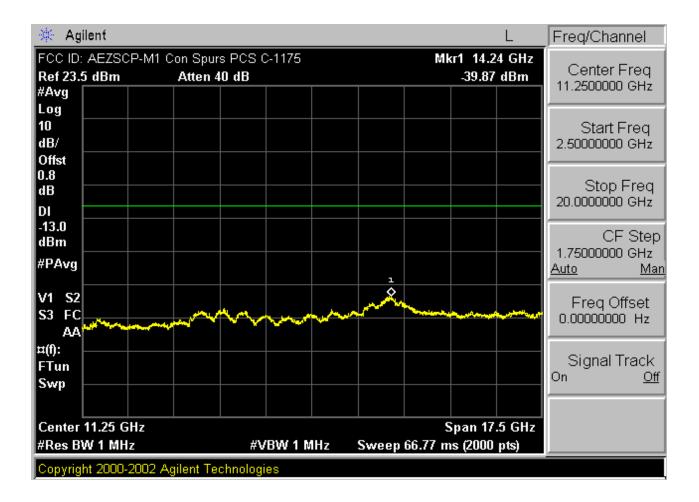
🔆 Agilent			L	Freq/Channel
Ref 23.5 dBm #Avg	1 Con Spurs PCS C-600 Atten 40 dB		Mkr1 2.438 GHz _44.80 dBm	Center Freq 1.25500000 GHz
Log 10 dB/ Offst				Start Freq 10.000000 MHz
0.8 dB DI				Stop Freq 2.5000000 GHz
-13.0 dBm #PAvg				CF Step 249.000000 MHz Auto Man
V1 S2 S3 FC AA	und in spinstel, hare being offen ger for adaptive big gan. In Streaming, der	dan dang bina 199 jinggah pertengai dan d		Freq Offset 0.00000000 Hz
rt(f): FTun Swp				Signal Track On <u>Off</u>
Center 1.255 GHz #Res BW 1 MHz				
	#VBW 1 M Agilent Technologies		95 ms (2000 pts)	,

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 19 of 18		
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Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 21 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO				
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🄆 Agi	ilent									L	Freq/Channel
Ref 23. #Avg	AEZSCF 5 dBm	P-M1 P	ower Ou Atten 4		0-25						Center Freq 1.85125000 GHz
Log 10 dB/ Offst		, and the second se						- Andrew Market			Start Freq 1.84625000 GHz
0.8 dB											Stop Freq 1.85625000 GHz
#PAvg 100											CF Step 1.00000000 MHz <u>Auto Man</u>
V1 S2 S3 FS AA											Freq Offset 0.00000000 Hz
¤(f): FTun Swp											Signal Track On <u>Off</u>
	1.851 25 W 3 MHz			#\	/BW 3 N	1Hz	S	weep 1	Span ms (601	10 MHz pts)	
Copyrig	Copyright 2000-2002 Agilent Technologies										

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 22 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO				
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🔆 Agilent		RL	Freq/Channel
FCC ID: AEZSCP-M1 Power Out Ref 23.5 dBm Atten 40 #Avg			Center Freq 1.88000000 GHz
Log 10 dB/ Offst			Start Freq 1.87500000 GHz
0.8 dB			Stop Freq 1.88500000 GHz
#PAvg 100			CF Step 1.00000000 MHz <u>Auto Man</u>
V1 S2 S3 FS AA			Freq Offset 0.00000000 Hz
¤(f): FTun Swp			Signal Track On <u>Off</u>
Center 1.880 00 GHz #Res BW 3 MHz	#VBW 3 MHz	Span 10 M Sweep 1 ms (601 pts	
Copyright 2000-2002 Agilent Tech	nologies		

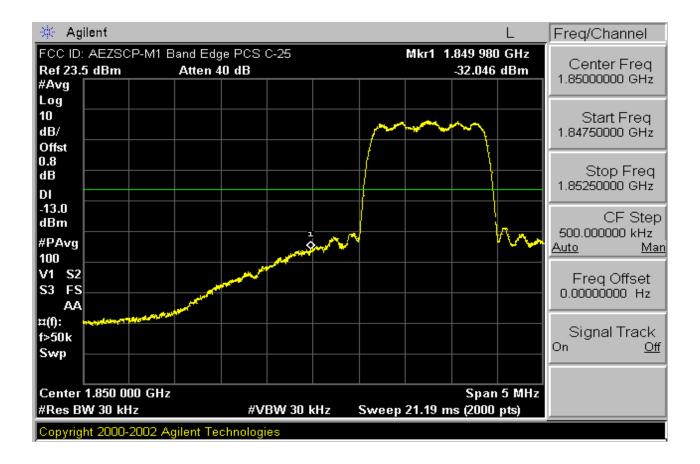
PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 23 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	ree brinkber im			
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🔆 Agilent		RL	Freq/Channel				
FCC ID: AEZSCP-M1 Power Our Ref 23.5 dBm Atten 4 #Avg			Center Freq 1.8800000 GHz				
Log 10 dB/ Offst			Start Freq 1.87500000 GHz				
0.8 dB			Stop Freq 1.8850000 GHz				
#PAvg 100			CF Step 1.0000000 MHz <u>Auto Man</u>				
V1 S2 S3 FS AA			Freq Offset 0.00000000 Hz				
¤(f): FTun Swp			Signal Track On <u>Off</u>				
Center 1.880 00 GHz #Res BW 3 MHz	#VBW 3 MHz	Span 10 MHz Sweep 1 ms (601 pts)					
Copyright 2000-2002 Agilent Technologies							

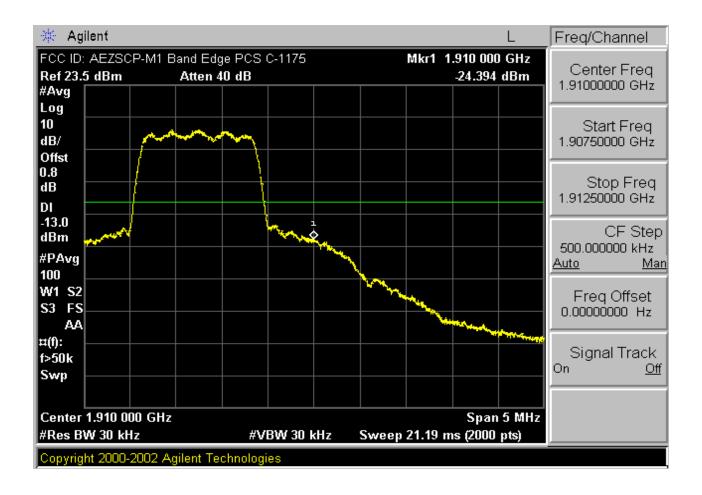
PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 24 of 18		
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		e		
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🔆 Agilent		RL	Freq/Channel
FCC ID: AEZSCP-M1 Power C Ref 23.5 dBm Atten #Avg			Center Freq 1.90875000 GHz
Log			Start Freq 1.90375000 GHz
Offst 0.8 dB			Stop Freq 1.91375000 GHz
#PAvg			CF Step 1.00000000 MHz <u>Auto Mar</u>
100 V1 S2 S3 FS AA			Freq Offset 0.00000000 Hz
¤(f): FTun Swp			Signal Track ^{On <u>Off</u>}
Center 1.908 75 GHz #Res BW 3 MHz	#VBW 3 MHz	Span 10 MHz Sweep 1 ms (601 pts)	
Copyright 2000-2002 Agilent To	echnologies		

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
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0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		0
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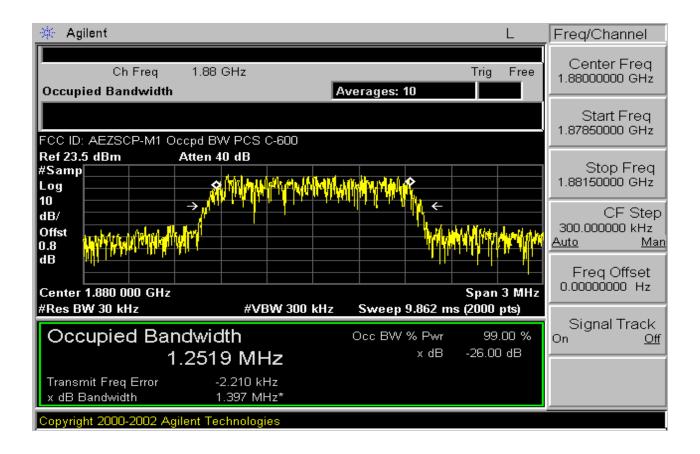
PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	FCC ID: AEZSCP-M1	Page 27 of 18
0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO	ree brinkber im	
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🔆 Agilent		L	Freq/Channel
Ref 23.5 dBm #Avg	4 MHz Span PCS C-25 Atten 40 dB	Mkr1 1.848 992 GHz -23.242 dBm	Center Freq 1.84700000 GHz
Log 10 dB/ Offst			Start Freq 1.84500000 GHz
0.8 dB			Stop Freq 1.84900000 GHz
-13.0 dBm #PAvg			CF Step 400.000000 kHz <u>Auto Mar</u>
100 V1 S2 S3 FS AA			Freq Offset 0.00000000 Hz
¤(f): FTun Swp			Signal Track On <u>Off</u>
Center 1.847 000 GH #Res BW 1 MHz	lz #VBW 1 MHz	Span 4 MHz Sweep 1.066 ms (2000 pts)	
Copyright 2000-2002			

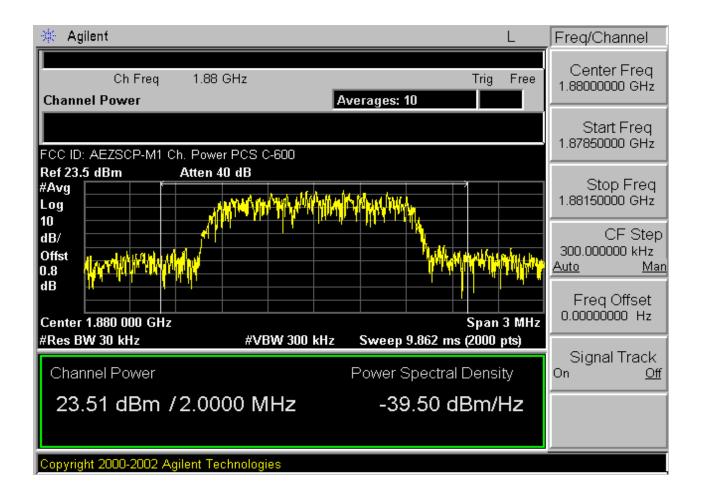
PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
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🔆 Agilent		RL	Freq/Channel
#Avg	MHz Span PCS C-1175 Atten 40 dB	Mkr1 1.911 002 GHz -19.128 dBm	Center Freq 1.91300000 GHz
Log 10 dB/ Offst			Start Freq 1.91100000 GHz
0.8 dB DI -			Stop Freq 1.91500000 GHz
-13.0 dBm #PAvg			CF Step 400.000000 kHz <u>Auto Ma</u>
100 V1 S2 S3 FS AA	ant the all of the second s		Freq Offset 0.00000000 Hz
¤(f): FTun Swp			Signal Track ^{On <u>Off</u>}
Center 1.913 000 GHz #Res BW 1 MHz	#VBW 1 MHz Sw	Span 4 MHz reep 1.066 ms (2000 pts)	
Copyright 2000-2002 Ag	ilent Technologies		

PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
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PCTESTÔ PT. 22/24 CONDUCTED PLOTS	PCTEST	CDMA MODE	SANYO	Reviewed by: Quality Manager
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0608150675	August 21-22, 2006	Dual-Band CDMA Phone with Bluetooth and EVDO		U
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