

MOBILE DEVICES BUSINESS

PRODUCT SAFETY AND COMPLIANCE **EMC LABORATORY**

EMC TEST REPORT - Addendum

Test Report Number - 22299-1BT

Report Date - 2008-09-11

The test results contained herein relate only to the model(s) identified. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics.

Hans K. Up. L. Svejgaard Name: Hans Kristian Kristensen Technician: Test: 2008-09-04 to 2008-09-04

Technician: Name: Uffe Lund Svejgaard Test: 2008-09-05 to 2008-09-05

As the responsible EMC Engineer, I hereby declare that the model tested as specified in this report conforms to the requirements indicated.

Par H. dela Name: Per K. Nielsen Signature:

Date: 2008-09-09 Title: Sr. Staff Engineer

This report must not be reproduced, except in full, without written approval from this

laboratory.

FCC Registration Number: 863448 IC Registration Number: 109AP-1

ADR Testing Service location ADR AL ISO/IEC-17025:2005 accredited by UKAS

Test Report Number: 22299-1

FCD-1756, Rev 1

1 of 28

EXHIBIT 6A2

Table of Contents

Test Report Details	3
Applicable Standards	4
Summary of Testing	5
General and Special Conditions	5
Equipment and Cable Configurations	6
Measuring Equipment and Calibration Information	6
Description of Bluetooth (BT) Transmitter	8
Measurement Procedures and Data	
FIELD STRENGTH OF SPURIOUS EMISSIONS	9
Measurement Procedure	9
Measurement Results	9
Maximum radiating position and orientation	
30-3000 MHz Low Channel Dual Polarization X	11
30-3000 MHz Middle Channel Dual Polarization X	
30-3000 MHz High Channel Dual Polarization X	12
3-18 GHz Low Channel Dual Polarization X	
3-18 GHz Low Channel Dual Polarization Y	
3-18 GHz Low Channel Dual Polarization Z	
3-18 GHz Middle Channel Dual Polarization X	
3-18 GHz Middle Channel Dual Polarization Y	
3-18 GHz Middle Channel Dual Polarization Z	
3-18 GHz High Channel Dual Polarization X	16
3-18 GHz High Channel Dual Polarization Y	
3-18 GHz High Channel Dual Polarization Z	
18-25 GHz Low Channel Dual Polarization X	
18-25 GHz Middle Channel Dual Polarization X	19
18-25 GHz High Channel Dual Polarization X	
BAND-EDGE COMPLIANCE OF RF RADIATED EMISSIONS	
Measurement Procedure	
Measurement Results	
Authorized Band Emissions Low Channel Dual Polarization X	
Authorized Band Emissions Low Channel Dual Polarization Y	
Authorized Band Emissions Low Channel Dual Polarization Z	
Authorized Band Emissions High Channel Dual Polarization X	
Authorized Band Emissions High Channel Dual Polarization Y	
Authorized Band Emissions High Channel Dual Polarization Z	
PICTURES	
APPENDIX	
Appendix- 1 Marker-Delta Method	
Low Carrier Y-Orientation-RBW (6 dB) =VBW=1MHz – PK detector	
Marker-Delta X-Orientation-RRW (6 dR) = 50kHz VRW=Auto – Max hold	28

Test Report Number: 22299-1 2 of 28 FCD-1756, Rev 1

Test Report Details

Tests Performed By: Motorola A/S

Product Safety and Compliance Group

Lindholm Brygge 35

9400 Nr.Sundby Fax (45) 7219-5002

Phone: (45) 7219-5000

Motorola PCS FRN: 0016105769 FCC Registration Number: 863448 IC Registration Number: 109AP-1

Tests Requested By: Motorola Inc.

Mobile Devices business 600 North US Hwy 45 Libertyville, IL 60048

Product Type: Cell phone with Bluetooth

Form factor: Clamshell

Signaling Capability: Dual band 800/1900 CDMA 1x with EV-DO

Release 0, Bluetooth class 1 and aGPS.

Serial Numbers: A0000002C66255

Battery type: BT50 with model number SNN 5813A

FCC ID: IHDP56JM1

Project number: 22299-1

Testing Complete Date: 2008-09-05

Test Report Number: 22299-1

Applicable Standards

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

Χ	_Part 15 Subpart C - Intentional Radiators
	Part 22 Subpart H - Public Mobile Services
	Part 24 - Personal Communications Services
	Part 27 - Wireless Communications Service
	Part 90 - Private Land Mobile Radio Service

Applicable Standards: ANSI 63.4-2003, RSS-GEN, RSS-210 (Bluetooth).

DA 00-705, "Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems" published by the Federal Communications Commission was also used in the testing of this product.

The following tests were performed according to the regulations:

- The spurious radiated emission requirements of § 15.247(d) of CFR47
 Part 15 2006, specifically" radiated emissions which fall in the restricted
 bands, as defined in Section 15.205(a), must also comply with the
 radiated emission limits specified in Section 15.209(a) (see Section
 15.205(c)).
- Under this project only 30 to 1000MHz, 1 to 25GHz radiated emissions and radiated band-edge measurements were performed.
- For frequencies below 1 GHz a 100 kHz RBW (6 dB) is used and above 1 GHz a 1 MHz RBW (6 dB) is used.

Test Report Number: 22299-1 4 of 28 EXHIBIT 6A2

Summary of Testing

Test	Test Name	Pass/Fail
1 2	Field Strength of Spurious Emissions Band-edge Compliance of RF Radiated Emissions	Pass Pass (*)
Test	Test Name	Results
1 2	Field Strength of Spurious Emissions Band-edge Compliance of RF Radiated Emissions	See plots See plots

^(*) The Marker-Delta Method rule as per DA 00-705 handled in appendix-1 was applied.

The margin with respect to the limit is the minimum margin for all modes and bands. () indicates the margin at which the product exceeds the limit.

General and Special Conditions

The test sample was tested using a fully charged battery when applicable. Where a battery could not be used due to the need for a controlled variation of input voltage, an external power supply was utilized.

All testing was done in an indoor controlled environment with an average temperature of 21.7° C +- 2° C and relative humidity of 43.5% +-4% over the dates used for testing.

Test Report Number: 22299-1 5 of 28 EXHIBIT 6A2

Equipment and Cable Configurations

The test sample was tested in a stand-alone configuration that is representative of typical use.

Measuring Equipment and Calibration Information

Equipment related to the semi-anechoic chamber testing:

Equipment	Model/type	Serial	Operational	Date of	
		number	range	calibration	
EMI analyzers	ESIB 26	100179	20 Hz – 26.5 GHz	26.05.2008	
-	ESU 40	100040	20 Hz – 40 GHz	07.02.2008	
Pre Amplifiers	EA PA 02:	800002	(1 26 GHz)	26.06.2007	
-	(JCA12-300		1 GHz 2 GHz		
	JCA218-4003		2 GHz - 18 GHz		
	JCA48-300		4 GHz 8 GHz		
	JCA1826-431		18 GHz – 26 GHz		
	JCA1218-500)		12 GHz – 18 GHz		
	Sonoma 310N	185680	9 kHz – 1 GHz	19.06.2007	
	JCA218-4003	104	1 GHz – 18 GHz	19.05.2008	
Antenna amplifiers	AFS4-02001800-35-ULN	805815	2 GHz – 18 GHz	13.03.2008	
	(Mounted on EMCO 3115)				
	JSA-18004000-30-5A	965195	18 GHz – 40 GHz	06.03.2008	
	(Mounted on EMCO 3116)				
	JCA 1840-400	101	18 – 40 GHz	06.03.2008	
	(Mounted on EMCO 3116)				
Radio com. Tester	CMU 200	112434	GSM	20.02.2008	
			850/900/1800/1900		
			IS95,		
			UMTS, CDMA,		
			Bluetooth		
High pass filter	K&L 3DH1-3000/T13000-	8	3 GHz – 18 GHz	13.03.2008	
	0/0				
	(Mounted on EMCO 3115)				
Attenuator	Weinschel 54A-3 (3dB)	T8929	DC – 40 GHz	06.03.2008	
	(Mounted on EMCO 3116)				
	H&S 6603.19AA (3dB)	na	DC-18 GHz	13.03.2008	
	(Mounted on EMCO 3115)				
	(2.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50				
Cable	C-ANT-FP1-10S (SK)	na	18 GHz – 40 GHz	06.03.2008	
	C-ANT-FP1-4S (SMA)	na	30 MHz –6 GHz	19.03.2008,	
	` '		3 GHz – 18 GHz	13.03.2008,	
			18 GHz – 28 GHz	19.03.2008	
Filter	F-3S-2S (SK–Bypass)	na	30 MHz – 40 GHz	06.03.2008	

Equipment related to carrier max direction verification:

Equipment	Model/type	Serial number	Operational range	Date of calibration
Spectrum analysers	FSEA	845097/004	20 Hz – 3.5 GHz	23.04.07 (na)
Radio com. Tester	CMU 200	834639/003 83 83		14.11.07

Test Report Number: 22299-1 6 of 28 EXHIBIT 6A2

The antennas used in the various tests are listed in the below table. All the log-periodic antennas are used as communication and link establishment antennas for (GSM, UMTS, CDMA, FM and/or Bluetooth).

Antenna	Type	Serial	Operational	Date of
		number	range	calibration
Hybrid-log periodic	HLP 3003C	060300	30 MHz – 3 GHz	07.12.07
Log-periodic (link)	LPDA 8030	090200	800 MHz – 3 GHz	(na)
Log-periodic (link)	LPDA 8030	090100	800 MHz – 3 GHz	(na)
Log-periodic (link)	PLP 3003	021701	300 MHz – 3 GHz	(na)
Horn (link)	AT4002A	28548	800 MHz – 5 GHz	(na)
Horn (link)	AT4002A	28547	800 MHz – 5 GHz	(na)
Double ridged horn	EMCO 3115	71502	1 GHz – 18 GHz	21.05.08
(w. 3 GHz HP-filter + 1x 2-18 GHz pre-				
amp+1x 3dB attenuator.)				
Double rigid horn	EMCO 3116	2637	18 GHz – 40 GHz	20.12.07
(w. 2x 18-40 GHz pre-amp + 1x 3dB				
attenuator.)				

All equipment is on a one-year calibration cycle except for link antennas.

Test Report Number: 22299-1 FCD-1756, Rev 1 7 of 28 EXHIBIT 6A2

Description of Bluetooth (BT) Transmitter

The 22299-1 cell phone sample offers Bluetooth as a feature. The Bluetooth spread-spectrum, frequency hopping transceiver is designed to operate between 2400 and 2483 MHz. The Bluetooth antenna is mounted on the PCB inside of the EUT. The antenna installation is permanent. For a more thorough description of the functionality please refer to Exhibit 12 of this package.

As a Bluetooth transmitter, it is designed operate with other Bluetooth devices as defined by the industrial standard. In this application, the test sample is battery-operated.

Test Report Number: 22299-1 8 of 28 EXHIBIT 6A2

Measurement Procedures and Data

FIELD STRENGTH OF SPURIOUS EMISSIONS

CFR Part 2.1053, 15.247(d), 15.249

Measurement Procedure

The test sample is placed inside the semi-anechoic chamber on a polystyrene table at the turntable center. For each spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters and the turntable is rotated 360 degrees to obtain a maximum reading on the spectrum analyzer. This is repeated for both horizontal and vertical polarizations of the receive antenna.

Field Strength (dB μ V/m) = EMI Receiver Level (dB μ V) + Cable Loss (dB) - Amplifier Gain (dB) + Filter loss (dB) + Antenna Correction Factor (3/m)

A fully charged battery was used for the supply voltage.

The used standard battery type was BT50 with model number SNN5813A.

The test sample was operated during the measurements under the following conditions:

- Tests were performed at low, mid and high channels.
- Tests were performed in both horizontal and vertical polarity.
- Investigation of maximum radiation orientation and position of the product sample to determine test orientations angles.
 - Tests were performed with the sample orientated along X, Y and Z orthogonal axis based on findings.
 - Tests were performed with the test sample placed in worst case position either open or closed based on form factor. Verification tests were performed for the other position.

Measurement Results

For peak emissions detected above 1 GHz, only those emissions that are higher than the AVG limit line plus 8 dB are selected for final emission analysis.

Attached results:

Test Report Number: 22299-1 9 of 28 EXHIBIT 6A2

Maximum radiating position and orientation

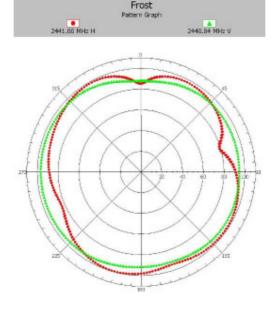
The test sample was placed on top of a none-conductive pedestal with slider open and a Bluetooth link towards the communication test set was established. The test sample was scanned with a log-periodic antenna connected to a spectrum analyzer over the whole sphere and the maximum radiation orientation was determined to be the X orientation in horizontal polarity.

With the test sample slider closed it was determined that the open position caused maximum radiation in the Bluetooth band.

A check of carrier on the Bluetooth center channel 39 was performed to determine the expected maximum radiation of any Bluetooth harmonics for the test sample with slider open and placed in orientation X.

Open:

Title: FCC 15.247(c)
File: Frost non-AWS 22299 (5.31)(ESU) FCC15.247 BT2400 Tch-mid_Y 2008-09-04 Carrier -PK.set
Operator: ADR_AAL_EMC_TL1, hkr001
EUT Type: Frost, INET: AD000002C66255
EUT Condition: Board Rev: P2. Open
Comments: FCC 15.247(c)(1) Bluetooth (BT) emission in TCH mode.
BT ch. 39 (2441 MHz) up/do in test mode. Orientation Y-H
HLP 3003C antenna (30MHz - 3 GHz). Peak detector used. 04-09-2008 13:32:20 Sequence: Final Measurements Frost - Table Freq Freq (Max) (PEAK) EMI (PEAK) Margin Lim2 Titbl Agl (2) Limit (d8) -35.29 -7.43 (MHz) 2441.00 (MHz) 2441.00 (dBµW/m) 98.71 (deg) 193.20 (dBµV/m) 2441.00 2440.84 96.57 134.00 293.70



The Bluetooth radiated TX power is measured to be 1.31 dBm on channel 39 with RBW = 1 MHz (6 dB).

Test Report Number: 22299-1 10 of 28 EXHIBIT 6A2

There were no discernible emissions above the noise floor for 30-3000MHz for Low, Mid and High Channels and all polarizations in Bluetooth band

Only one worst case plot for each test frequency are shown in the below plots in the range from 30 MHz - 3000 MHz.



30-3000 MHz Low Channel Dual Polarization X

Test Report Number: 22299-1



30-3000 MHz Middle Channel Dual Polarization X



30-3000 MHz High Channel Dual Polarization X

Test Report Number: 22299-1 12 of 28 EXHIBIT 6A2

Title: PCC 15:247(c) 05:09-2008 10:43:00
Fite: Frost non-AWS 22299 (5:31XESU) FCC15:247 ST2400 Toh-low_X 2008-09-04-3-18:set Sequence: Preliminary Soan Cowratin: ADF: AAI Fixe: Frost 10:43:00
Cowratin: ADF: AAI Fixe: Frost 10:43:00
EUT Consider: Focat 14:43:00
EUT Consider: Focat 14:43:00
EUT Consider: Focat 15:247(cX1) Bluetoott (BT) emission in TCH mode.
ST oh. 0 (2402 MHz) usdo in test mode. Orientation X=H
EM CO 3115 entenns (3GHz - 18GHz). Peak detector used.

Electric Field Strength (85,47/m)

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

18.80

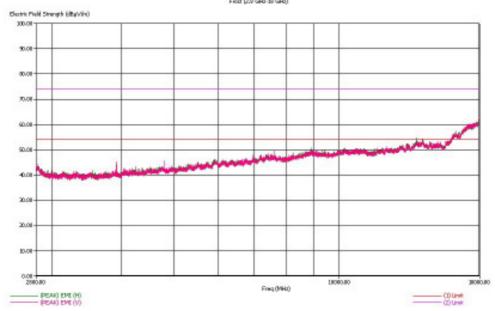
18.80

18.80

18

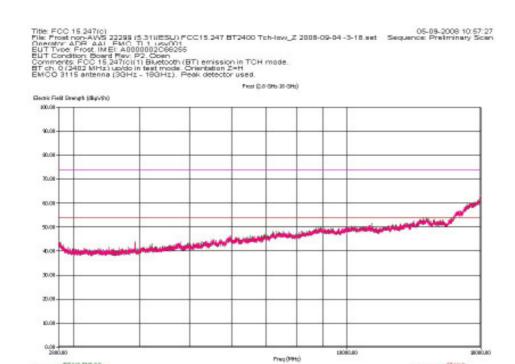
3-18 GHz Low Channel Dual Polarization X

Title: FCC 15.247(c) 05-09-2008 09:14:14
File: Frost non-AWS 22299 (5.81)(ESU) FCC15.247 BT2400 Toh-low_Y 2008-09-04-3-18.set Sequence: Preiminary Scan Constraint ADR AAI FMC TI 1 (1897)(01)
EUT Tyos: Frost, IM El: A000002C68255
EUT Condition Spare Rev. P2. Ocen
Comments: FCC 15.247(c)(1) Bhatboth (BT) emission in TCH mode.
BT ch. 0 (2402 MHz) uselo in test mode. Orientation Y=H
EMCO 3115 antenna (3GHz - 18GHz). Peak detector used.

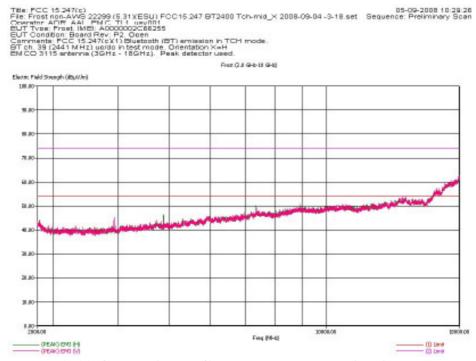


3-18 GHz Low Channel Dual Polarization Y

Test Report Number: 22299-1 13 of 28 EXHIBIT 6A2

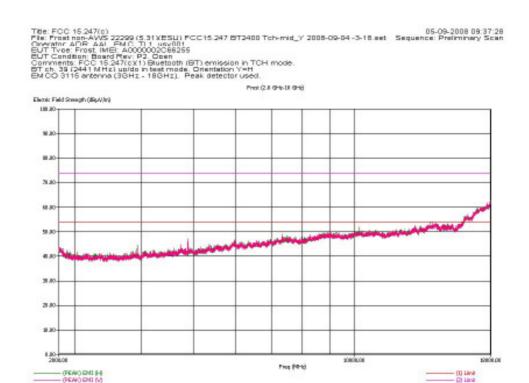


3-18 GHz Low Channel Dual Polarization Z

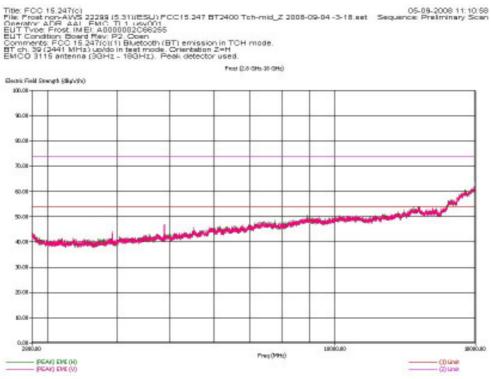


3-18 GHz Middle Channel Dual Polarization X

Test Report Number: 22299-1 14 of 28 EXHIBIT 6A2

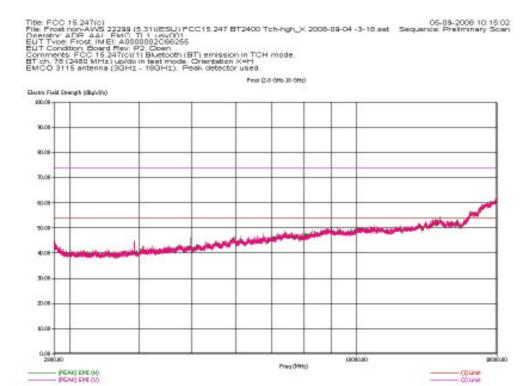


3-18 GHz Middle Channel Dual Polarization Y



3-18 GHz Middle Channel Dual Polarization Z

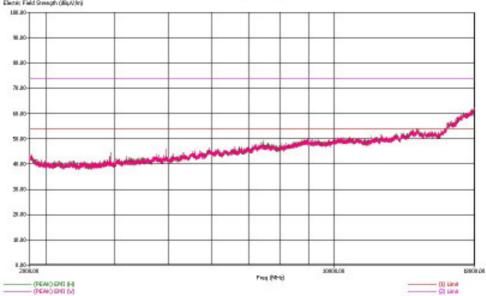
Test Report Number: 22299-1 15 of 28 EXHIBIT 6A2



3-18 GHz High Channel Dual Polarization X

Test Report Number: 22299-1 16 of 28 EXHIBIT 6A2





Title: FCC 15.247(c)

File: Frost non-AWS 22299 (5.31)(ESU) FCC15.247 BT2400 Tch-hgh_Y 2008-09-04 -AV -17.9 Sequence: Final Measurements Operator: ADR AAL EMC TL1. usv001

EUT Type: Frost. IMEI: A0000002C66255

EUT Condition: Board Rev: P2. Open
Comments: FCC 15.247(c)(1) Bluetooth (BT) emission in TCH mode.

BT ch. 78 (2480 MHz) up/do in test mode. Orientation Y=H

EMCO 3115 antenna (3GHz - 18GHz). AV detector used.

				Frost -		
Freq (MHz)	Freq (Max) (MHz)		(1) Limit (dBµV/m)	(AVG) Margin Lim1 (dB)	Ttbl Agl (deg)	Pol
17975.00	17966.96	49.86	54.00	-4.14	178.40	н
17975 00	17967.19	49 46	54.00	.454	242.00	- 0

3-18 GHz High Channel Dual Polarization Y

Test Report Number: 22299-1 17 of 28 EXHIBIT 6A2

3-18 GHz High Channel Dual Polarization Z

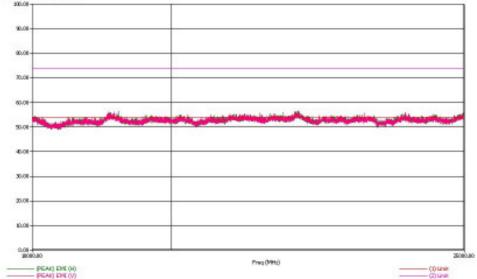
Freq (16-4)

There were no discernible emissions above the noise floor for 18-25 GHz for Low, Mid and High Channels and all polarizations in Bluetooth band

Only one worst case plot for each test frequency are shown in the below plots in the range from $18~\mathrm{GHz} - 26~\mathrm{GHz}$.

Test Report Number: 22299-1





18-25 GHz Low Channel Dual Polarization X

Title: PCC 15:247(c)

D5-09-2008 12:15:05

File: Frost non-AVS 22299 (5:31XESU) FCC15:247 BT2400 Tch-mid_X 2008-09-04-18-25.set Sequence: Preliminary Soan Coverator ADE Adl PMC Titl uswfills

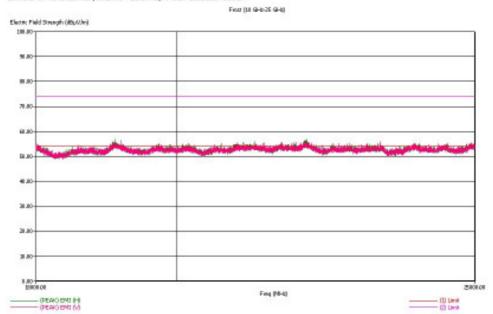
EUT Type: Frost IME: A0000002C8255

EUT Condition: Board Rev. P2. Open

Comments: PCC 15:247(c)(1) Blustooth (BT) emission in TCH mode.

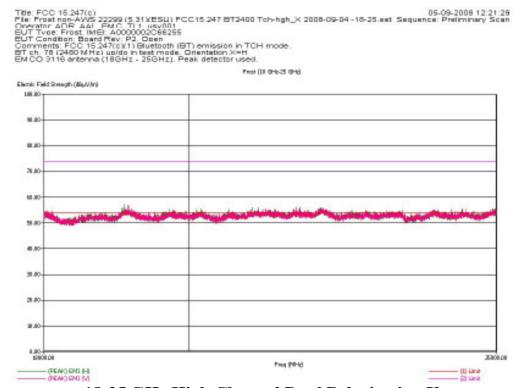
BT ch. 38 (2441 MHz) usddo in test mode. Orientation X=H

EM CO 3116 antenna (18GHz - 25GHz). Peak detector used.



18-25 GHz Middle Channel Dual Polarization X

Test Report Number: 22299-1 19 of 28



18-25 GHz High Channel Dual Polarization X

Test Report Number: 22299-1

BAND-EDGE COMPLIANCE OF RF RADIATED EMISSIONS

CFR Part 15.247

Measurement Procedure

The test sample is placed inside the semi-anechoic chamber on a polystyrene table at the turntable center. Test is repeated for both horizontal and vertical polarizations of the receive antenna.

Field Strength (dB μ V/m) = EMI Receiver Level (dB μ V) + Cable Loss (dB) + Filter Loss (dB) - Amplifier Gain (dB) + Antenna Correction Factor (3/m)

The test sample was operated in Bluetooth single channel test mode. A fully charged battery was used for the supply voltage.

Measurement Results

Comments:

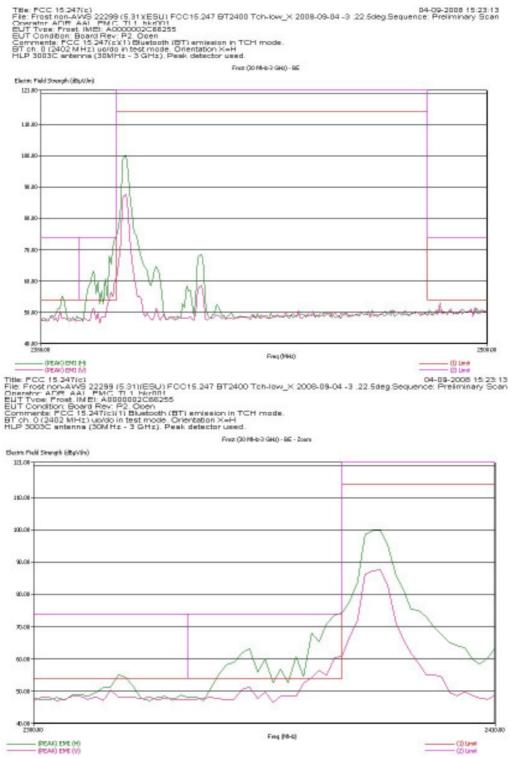
The band edge measurements crossing the corner for the low channel with respect to the average limit line is acceptable when applying the FCC rule specified in CFR 47 part 15.35(b) for the use of peak detector above 1 GHz.

The test was performed in 22.5 degree angular step size when the band edge crossing is measured to be +6 dB above the AVG limit line.

The peak detector limit line has been added to the graphical plots.

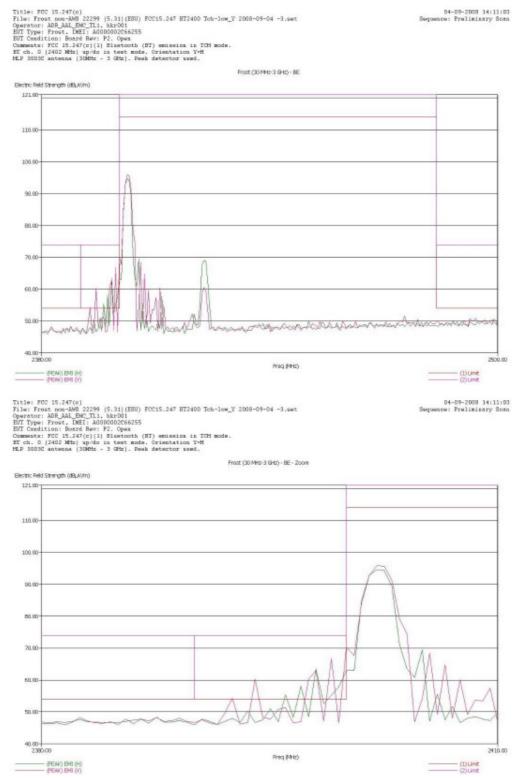
See Attached:

Test Report Number: 22299-1 21 of 28 EXHIBIT 6A2



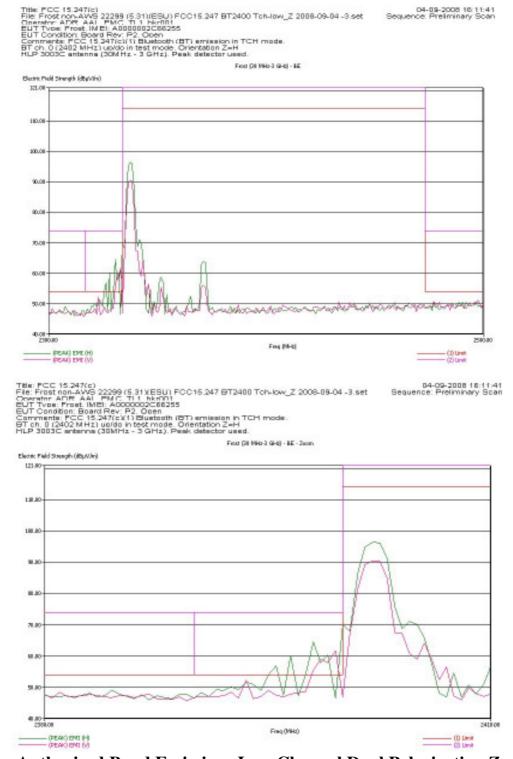
Authorized Band Emissions Low Channel Dual Polarization X (See appendix 1)

Test Report Number: 22299-1 22 of 28 EXHIBIT 6A2



Authorized Band Emissions Low Channel Dual Polarization Y (See appendix 1)

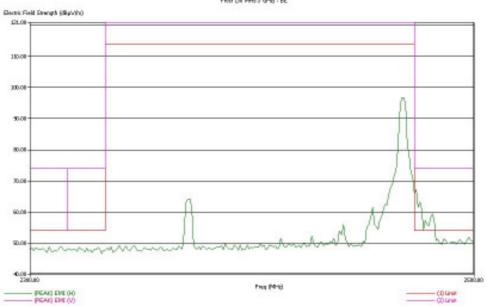
Test Report Number: 22299-1



Authorized Band Emissions Low Channel Dual Polarization Z (See appendix 1)

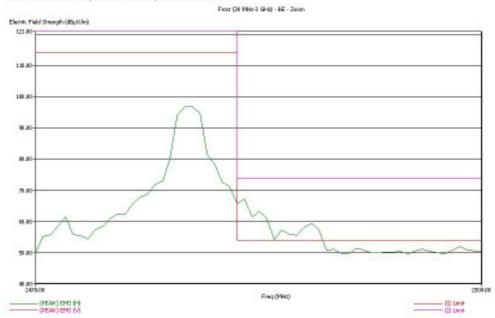
Test Report Number: 22299-1 24 of 28





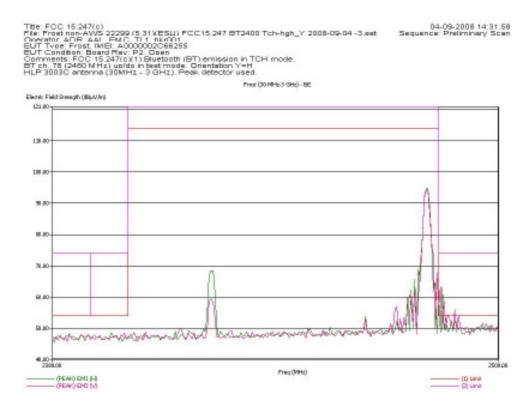
TBs: FCC 15.247(c)

File: FCC

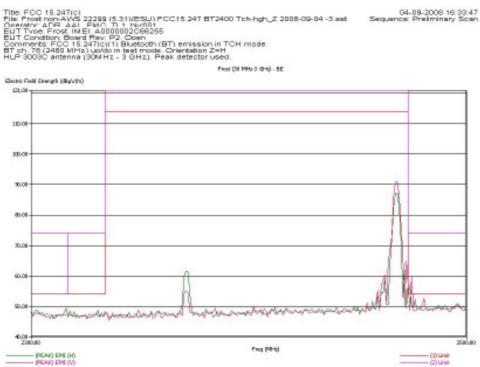


Authorized Band Emissions High Channel Dual Polarization X

Test Report Number: 22299-1



Authorized Band Emissions High Channel Dual Polarization Y



Authorized Band Emissions High Channel Dual Polarization Z

Test Report Number: 22299-1 26 of 28 EXHIBIT 6A2

PICTURES

The pictures related to the above test results are placed in the associated report denoted as EXHIBIT 7A2.

APPENDIX

Appendix- 1 Marker-Delta Method

The Bluetooth low channel band edge performance is further evaluated using the Marker-Delta Method described in FCC guideline DA 00-705.

The in-band field strength was measured as described in Step-1 using and RBW (6 dB)=VBW=1MHz – Peak detector and RBW(6 dB)=VBW=1MHz – Average detector.

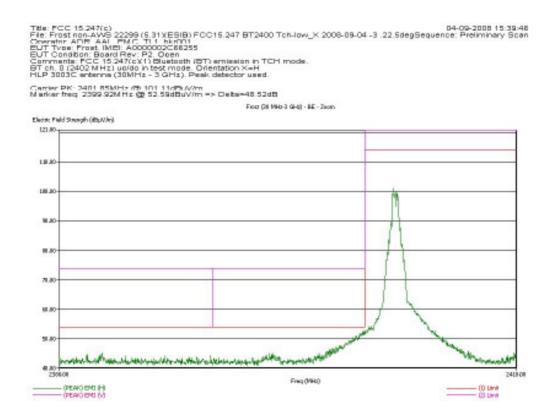
Low Carrier Y-Orientation-RBW (6 dB) =VBW=1MHz - PK detector

The frequency 2402.03 was selected as peak reference point in order to minimize the span of the Step-2 measurement.

In Step-2 the band edge is measured from 2397 MHz – 2403 MHz, using an RBW of 1% equals 60 kHz, so the RBW(6 dB)=50kHz, VBW=Auto were selected for the measurement.

The carrier peak was detected and the delta marker function was used to record the maximum peak in the frequency range from 2398 MHz to 2400 MHz.

Test Report Number: 22299-1 27 of 28 EXHIBIT 6A2



Marker-Delta X-Orientation-RBW (6 dB) = 50kHz, VBW=Auto – Max hold

Reading the graph indicates the worst case value to -48.52 dBc in the frequency range from 2398 MHz – 2400 MHz.

The maximum peak field strength in the frequency band from 2398 MHz to 2400 MHz is then $100.43 \text{ dB}\mu\text{V/m} - 48.52 \text{ dB} = 51.91 \text{ dB}\mu\text{V/m}$.

End of Test Report

Test Report Number: 22299-1 28 of 28 EXHIBIT 6A2