EXHIBIT VI

FCC ID: KBCIX300AC555WLBT

IX300 GoBook Tablet PC

This Report For

The Bluetooth Intentional Radiator

Under Part 15.247 FHSS

Co-located with

1.) Aircard 555 Cellular PCS radio modem under Parts22/24

2.) WM168B-MOLEX 802.11(b) WLAN, DTS Intentional Radiator under Part 15.247

(see separate reports for each transmitter)

Prepared On Behalf Of

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Bluetooth Test Report Table of Contents

Section 2.1033(b)6

Cover Page	1
Table Of Contents	2
Twelve Common Items to Bluetooth Device's (Incorporated by reference, copied verbatim from FCC list)	3 - 5
Test Report - Six Bluetooth Tests Required	
1) The 20 dB Bandwidth Section 15.247(a)2	6
2) Conducted Peak Output Power Section 15.247(b)1	7
3) De facto EIRP Limit Section 15.247(b)1	7
4) RF Safety Section 15.247(b)5	Please Refer to Exhibit XII
5) Spurious RF Conducted Emissions Section 15.247 (c)	
Band-edge Compliance of RF Conducted Emissions Spurious Radiated Emissions in Restricted Bands Spurious Radiated Emissions At Upper Restricted Band-edge	8 9 10
6) Power Spectral Density in Acquisition Mode Section 15.247 (d)	*

Appendix 1 Table of Contents

Plots 1 to 3	20 dB Bandwidth
Plot 4	79 Hopping Frequencies Occupied Band
Plots 5 to 7	Conducted Output Power
Plot 8	240 MHz Span (high, mid & low channel transmit)
Plots 9	Spurious RF Conducted Emissions
Plot 10	Lower Band-edge Compliance of RF Conducted Emissions
Plot 11	Upper Band-edge Compliance of RF Conducted Emissions

^{*} Not applicable under the FHSS rules, applies to DTS modulation

BLUETOOTH APPROVALS

The following exhibit indicates the FCC Spread Spectrum requirements in Section 15.247(only) for devices meeting the Bluetooth Specifications for devices operating in the USA. The purpose of this exhibit is to help expedite the approval process for Bluetooth devices. This exhibit provides items that vary for each device and also provides a list of items that are common to Bluetooth devices that explains the remaining requirements. The list of common items can be submitted for each application for equipment authorization. This Bluetooth transmitter is a Frequency Hopping Spread Spectrum(FHSS) transmitter in the data mode and a Hybrid transmitter in the acquisition mode.

For each individual device, the following items, 1-6, will vary from one device to another and must be submitted.

- 1) The occupied bandwidth in Section 15.247(a)1ii .
- 2) Conducted output power specified in Section 15.247(b)1.
- 3) EIRP limit in Section 15.247(b)3.
- 4) RF safety requirement in Section 15.247(b)4
- 5) Spurious emission limits in Section 15.247(c).
- 6) Power spectral density in the acquisition mode.

For all devices, the following items, 1-12, are common to all Bluetooth devices and will not vary from one device to another. The list can be copied and pasted into the filing.

1 Output power and channel separation of a Bluetooth device in the different operating modes:

The different operating modes (data-mode, acquisition-mode) of a Bluetooth device don't influence the output power and the channel spacing. There is only one transmitter which is driven by identical input parameters concerning these two parameters. Only a different hopping sequence will be used. For this reason the check of these RF parameters in one op-mode is sufficient.

2 Frequency range of a Bluetooth device:

Hereby we declare that the maximum frequency of this device is: **2402 – 2480 M**Hz. This is according the Bluetooth Core Specification V 1.0B (+ critical errata) for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E). Other frequency ranges (e.g. for Spain, France, Japan) which are allowed according the Core Specification are **not** supported by this device.

3 Co-ordination of the hopping sequence in data mode to avoid simultaneous occupancy by multiple transmitters:

Bluetooth units which want to communicate with other units must be organized in a structure called piconet. This piconet consist of max. 8 Bluetooth units. One unit is the master the other seven are the slaves. The master co-ordinates frequency occupation in this piconet for all units. As the master hop sequence is derived from it's BD address which is unique for every Bluetooth device, additional masters intending to establish new piconets will always use different hop sequences.

4 Example of a hopping sequence in data mode:

Example of a 79 hopping sequence in data mode: 40, 21, 44, 23, 42, 53, 46, 55, 48, 33, 52, 35, 50, 65, 54, 67,

56, 37, 60, 39, 58, 69, 62, 71, 64, 25, 68, 27, 66, 57, 70, 59, 72, 29, 76, 31, 74, 61, 78, 63, 01, 41, 05, 43, 03, 73, 07, 75,

 $09,\, 45,\, 13,\, 47,\, 11,\, 77,\, 15,\, 00,\, 64,\, 49,\, 66,\, 53,\, 68,\, 02,\, 70,\, 06,\\$

01, 51, 03, 55, 05, 04

5 Equally average use of frequencies in data mode and behavior for short transmissions:

The generation of the hopping sequence in connection mode depends essentially on two input values:

- 1. LAP/UAP of the master of the connection
- 2. Internal master clock

The LAP (lower address part) are the 24 LSB's of the 48 BD_ADDRESS. The BD_ADDRESS is an unambiguous number of every Bluetooth unit. The UAP (upper address part) are the 24 MSB's of the 48 BD_ADDRESS. The internal clock of a Bluetooth unit is derived from a free running clock which is never adjusted and is never turned off. For synchronization with other units only offset are used. It has no relation to the time of the day. Its resolution is at least half the RX/TX slot length of 312.5 µs. The clock has a cycle of about one day (23h30). In most case it is implemented as 28 bit counter. For the deriving of the hopping sequence the entire LAP (24 bits), 4 LSB's (4 bits) (Input 1) and the 27 MSB's of the clock (Input 2) are used. With this input values different mathematical procedures (permutations, additions, XOR-operations) are performed to generate the sequence. This will be done at the beginning of every new transmission.

Regarding short transmissions the Bluetooth system has the following behavior: The first connection between the two devices is established, a hopping sequence was generated. For transmitting the wanted data the complete hopping sequence was not used. The connection ended. The second connection will be established. A new hopping sequence is generated. Due to the fact that the Bluetooth clock has a different value, because the period between the two transmission is longer (and it cannot be shorter) than the minimum resolution of the clock (312.5 μ s). The hopping sequence will always differ from the first one.

6 Receiver input bandwidth and behavior for repeated single or multiple packets:

The input bandwidth of the receiver is 1 MHz.In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence (see chapter 5). The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection (e.g. single or multislot packet) is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packet has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means, a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence

7 Dwell time in data mode

The dwell time of 0.3797s within a 30 second period in data mode is independent from the packet type (packet length). The calculation for a 30 second period is a follows: Dwell time = time slot length * hop rate / number of hopping channels *30s Example for a DH1 packet (with a maximum length of one time slot) Dwell time = $625 \mu s * 1600 1/s / 79 * 30s = 0.3797s$ (in a 30s period)

For multislot packet the hopping is reduced according to the length of the packet.

Example for a DH5 packet (with a maximum length of five time slots) Dwell time = $5 * 625 \mu s * 1600 * 1/5 * 1/s / 79 * 30s = 0.3797s$ (in a 30s period) This is according the Bluetooth Core Specification V 1.0B (+ critical errata) for all Bluetooth devices. Therefore all Bluetooth devices **comply** with the FCC dwell time requirement in data mode. This was checked during the Bluetooth Qualification tests. The Dwell time in hybrid mode is approximately 2.6 mS (in a 12.8s period)

8 Channel Separation in hybrid mode

The nominal channel spacing of the Bluetooth system is 1Mhz independent of the operating mode. The maximum "initial carrier frequency tolerance" which is allowed for Bluetooth is fcenter = 75 kHz. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/07-E) for three frequencies (2402, 2441, 2480 MHz).

9 Derivation and examples for a hopping sequence in hybrid mode

For the generation of the inquiry and page hop sequences the same procedures as described for the data mode are used (see item 5), but this time with different input vectors:**For the inquiry hop sequence, a predefined fixed address is always used. This results in the same 32 frequencies used by all devices doing an inquiry but every time with a different start frequency and phase in this sequence. **For the page hop sequence, the device address of the paged unit is used as input vector. This results in the use of a subset of 32 frequencies which is specific for that initial state of the connection establishment between the two units. A page to different devices would result in a different subset of 32 frequencies.

So it is ensured that also in hybrid mode the frequency use equally averaged.

Example of a hopping sequence in inquiry mode:

17, 21, 08, 10, 66, 70, 12, 14, 19, 23

Example of a hopping sequence in paging mode:

08, 57, 68, 70, 51, 02, 42, 40, 04, 61, 44, 46, 63, 14, 50, 48, 16, 65, 52, 54, 67, 18,

58, 56, 20, 53, 60, 62, 55, 06, 66, 64

10 Receiver input bandwidth and synchronization in hybrid mode:

The receiver input bandwidth is the same as in the data mode (1 MHz). When two Bluetooth devices establish contact for the first time, one device sends an inquiry access code, the other device is scanning for this inquiry access code. If two devices have been connected previously and want to start a new transmission, a similar procedure takes place. The only difference is, instead of the inquiry access code, a special access code, derived from the BD_ADDRESS of the paged device will be, will be sent by the master of this connection. Due to the fact that both units have been connected before (in the inquiry procedure) the paging unit has timing and frequency information about the page scan of the paged unit. For this reason the time to establish the connection is reduced considerable.

11 Spread rate / data rate of the direct sequence signal

The Spread rate / Data rate in inquiry and paging mode can be defined via the access code. The access code is the only criterion for the system to check if there is a valid transmission or not. If you regard the presence of a valid access code as one bit of information, and compare it with the length of the access code of 68 bits, the Spread rate / Data rate will be 68/1.

12 Spurious emission in hybrid mode

The Dwell in hybrid mode is shorter than in data mode. For this reason the spurious emissions average level in data mode is worst case. The spurious emissions peak level is the same for both modes.

EXHIBIT 6A TEST: 20 dB BANDWIDTH

FCC ID: KBCIX300AC555WLBT

Applicant: ITRONIX Corp.

Model: IX300 with Aircard 555 WAN & WM168B-MOLEX, WLAN &

MUBTC2-TH, Bluetooth

Minimum Standard Specified: FCC reply to TCB council 10/08/02, Frequency hoppers in the 2.4 GHz

band are required to use a minimum of 15 non-overlapping channels.

The

hopping channel bandwidth can be wider than 1 MHz as long as the channels do not over lap and all emissions stay within the 2400- 2483.5 MHz band. For example a system that uses the minimum 15 channels can have hopping channel bandwidth that are up to 5 MHz wide.

Test Results: The measured 20 dB bandwidth complies with the non-over lapping

channel requirements of the FCC interpretation referenced above.

Authorization Procedure: Part 2.1049

Method of Measurement:

1. The output power level had been preset during production.

- 2. The output of the EUT was connected directly via an adapter to the input of the Agilent E7405A spectrum analyzer. The setting were RBW of 10 kHz & VBW of 30 kHz.
- 3. The measured channels cover the low, middle and high channels of the operational frequency range requested for this intentional radiator.
- 4. The EUT was *modulated but not hopping* channels during this test. The data rate is 1mbps per the Bluetooth standard. The Payload is PRBS9 data. TxDATA1 Bluecore software selected.
- 5. Measurements done according to DA 00-705 Filing and Measurement Guide for FHSS Systems.

Measurement Results of Modulated Occupied Bandwidth								
Channel	Channel	Measured	Limit					
	Frequency	Maximum 20 dB	Non-overlapping					
	GHz	BW	channels, all					
		EUT modulated	emissions within					
			band					
Plot 1 Low	2.402	683 kHz	complies					
Plot 2 Middle	2.441	698 kHz	complies					
Plot 3 High	2.480	683 kHz	complies					

Plots 1, 2 & 3 of the 20 dB Bandwidth, supporting the above data, are located in Appendix 1 at the end of this report.

EXHIBIT 6A TEST: CONDUCTED PEAK OUTPUT POWER

FCC ID: KBCIX300AC555WLBT

Applicant: ITRONIX Corp.

Model: IX300 with Aircard 555 WAN & WM168B-MOLEX, WLAN &

MUBTC2-TH, Bluetooth

Minimum Standard Specified: Part 15.247(b)1 is 1 Watt Maximum

Test Results: The measured output power level of the sample shows compliance with

the maximum permissible 1 Watt limit.

Authorization Procedure: Part 2.1046

Manufacturers Rated Output Power: 4dBm typical, - Class II Bluetooth

Measured Maximum Output Power: . 557dBm or 1.137 Watt conducted

Please be advised the conducted power output reported herein includes all associated factors and is representative of the actual maximum power output for this Intentional Radiator when operating installed in the IX300. The reported level supersedes any conducted power output reported in the previous OEM filing, a copy of which is uploaded with this filing for some of the supporting exhibits.

Method of Measurement:

- 1.) The output power levels referenced above, had been preset during production.
- 2.) The output of the EUT was connected directly via an adapter to the input of the Agilent E7405A spectrum analyzer.
- 3.) The measured channels cover the low, middle and high channels of the operational frequency range requested for this intentional radiator. The EUT was *modulated* and hopping during this measurement. The data rate is 1mbps per the Bluetooth standard. The Payload is PRBS9 data. TxDATA2 Bluecore software selected.
- 4.) Measurements done according to DA 00-705 Filing and Measurement Guide for FHSS Systems.

Channel	Frequency (GHz)	Measured Peak Output Power (mW)	Measured Peak Output Power (dBm)	Internal EUT Cable loss dB	Corrected Peak Output Power (dBm))	Corrected Peak Output Power (mW))
Low	2.402	0.807	-0.932	1.3	.368	1.088
Middle	2.441	0.843	-0.743	1.3	.557	1.137
High	2.480	0.746	-1.273	1.3	.027	1.006

Plots 5, 6 & 7 supporting the above data are located in Appendix 1 at the end of this report.

Equivalent Isotropic Radiated Power

.557 max. conducted power)

+. 11 dBi (Pifa antenna, peak antenna gain)

= . 667 dBm EIRP

This Bluetooth Intentional Radiator complies with the maximum de-facto EIRP limit with the only antenna that can be used with this device. The antenna is integrated internally within the IX300.

EXHIBIT 6G TEST: SPURIOUS RF CONDUCTED EMISSIONS

FCC ID: KBCIX300AC555WLBT

Applicant: ITRONIX Corp.

Model: IX300 with Aircard 555 WAN & WM168B-MOLEX, WLAN &

MUBTC2-TH, Bluetooth

Minimum Standard Specified: Part 15.247(c) In any 100 kHz bandwidth outside the 2.412 – 2.485

band

RF power shall be at least 20 dB below that in the 100 kHz bandwidth

within the band that contains the highest power.

Test Results: Equipment complies with standard

Authorization Procedure: Part 2.1051

Frequency Range Observed: 0 to 25 GHz

Operating Frequencies: 2.402, 2.441, & 2.480 GHz (2.402 – 2.480 GHz band)

Measured Output Power: .557 dBm or 1.137 mWatt conducted

Method of Measurement:

- 1) The output power level had been preset during production.
- 2) The output of the EUT was connected directly via an adapter to the input of the Agilent E7405A spectrum analyzer. The setting were 1 MHz for both RBW & VBW.
- 3) The measured channels cover the low, middle and high channels of the operational frequency range requested for this intentional radiator.
- 4) The EUT was *modulated but not hopping* channels during this test. The data rate is 1mbps per the Bluetooth standard. The Payload is PRBS9 data
- 5.) Measurements done according to DA 00-705 Filing and Measurement Guide for FHSS Systems.

Highest Conducted Spurious Emission Measured For Each Channel								
Channel	Frequency	Emission level	Limit in dBm	dB				
	GHz	dBm	20 dBc	below limit				
Plot 9 - 2Fo, Low	4.804	- 57.1	-20.0	37.1				
Plot 9 - 2Fo, Middle	4.882	- 61.3	-20.0	41.3				
Plot 9 - 2Fo, High	4.960	- 65.2	-20.0	45.2				

Note: All three channels displayed max hold collectively on 2 plots to cover the wide frequency range.

Plot 9, covering 10 - 2900 MHz, (1 MHz RBW & VBW) &

Plot 10, covering 2.750 – 25 GHz (1 MHz RBW & VBW) are located in Appendix 1.

BAND-EDGE COMPLIANCE OF RF CONDUCTED EMISSIONS

Please refer to Plots 11 and 12 for the lower and upper band-edge measurements, located in Appendix 1.

FCC ID KBCIX300AC555WLBT

Applicant: ITRONIX, Corp. FCC ID KBCIX300AC5
Trace A - Band-edge channel modulated, hopping disabled
Trace B - All channels modulated, hopping enabled (indication of spreading function evident)

EXHIBIT 6G TEST: FIELD STRENGTH OF SPURIOUS RADIATION EMISSIONS

FCC ID: KBCIX300AC555WLBT

Applicant: ITRONIX Corp.

Model: IX300 with Aircard 555 WAN & WM168B-MOLEX, WLAN &

MUBTC2-TH, Bluetooth

Minimum Standard Specified: Part 15.247(c)
Authorization Procedure: Part 2.1053

Frequency Range Observed: 0 to 25 GHz Date: 2/12/04 Equipment set up at Fluke Park II OATS see block diagram and setup photos in Exhibit 7

RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS										
Frequency GHz	Max. SA	Ant. Vert.	Peak or Average	Antenna Factor	Cable & filter	Amp Gain	Correcte	Limit 74	Margin in dB	
	Rdg. dBu/V	or Horz.	Detector	dB	loss dB		Reading dBuV/m	Peak 54 Avg dBu/V	below LIMIT	
Fo - 2.402										
4.804	39.40	V	Peak	32.83	3.97	23.2	53.00	74	21.00	
4.804	38.12	Н	Peak	32.83	3.97	23.2	51.72	74	22.28	
4.804	28.80	V	Average	32.83	3.97	23.2	42.40	54	11.60	
4.804	28.84	Н	Average	32.83	3.97	23.2	42.44	54	11.56	
Fo – 2.441										
4.882	38.56	V	Peak	33.33	3.97	23.2	52.66	74	21.34	
4.882	38.65	Н	Peak	33.33	3.97	23.2	52.75	74	21.25	
4.882	28.84	V	Average	33.33	3.97	23.2	42.94	54	11.06	
4.882	28.79	Н	Average	33.33	3.97	23.2	42.89	54	11.11	
Fo – 2.480										
4.960	37.91	V	Peak	33.33	3.97	23.2	52.01	74	21.99	
4.960	37.81	Н	Peak	33.33	3.97	23.2	51.91	74	22.09	
4.960	28.83	V	Average	33.33	3.97	23.2	42.93	54	11.07	
4.960	28.97	Н	Average	33.33	3.97	23.2	43.08	54	10.92	
Harmo	nic emissi	ons on al	I three char	nnels (low,	mid & high)	3Fo – 1	0Fo at or be	low noise	floor	
Channel						Limit 74 dBuV/m Peak &				
54 dBuV/m Average										

54 dBuV/m Average Low Ch. 2.402 3Fo - 10Fo 7.206- 24.020 None -at or < noise floor @3m All emissions < 54 dBuV/m or 500 uV/m Mid Ch. 2.441 3Fo – 10Fo 7.323 - 24.410 All emissions < 54 dBuV/m or 500 uV/m None -at or < noise floor @3m High Ch. 2.480 3Fo - 10Fo 7440 - 24.800 All emissions < 54 dBuV/m or 500 uV/m None -at or < noise floor @3m

EXHIBIT 6G TEST: FIELD STRENGTH OF SPURIOUS RADIATION AT UPPER BAND EDGE

FCC ID: KBCIX300AC555WLBT

Applicant: ITRONIX Corp.

Model: IX300 with Aircard 555 WAN & WM168B-MOLEX, WLAN &

MUBTC2-TH, Bluetooth

Minimum Standard Specified: Part 15.247(c)

Test Results: Equipment complies with standard

Authorization Procedure: Part 2.1053

Test Equipment Set Up: See Block Diagram in Exhibit 7

Frequency Range Observed: 2.480 – 2.5GHz

Location: Spectrum Technology Inc, OATS Fluke Park II

Test Date: 2/12/04

Note: No significant emissions were observed in the restricted band 2.835 – 2.5 GHz so a band-edge measurement was made.

RADIATED EMISSIONS MEASUREMENT AT UPPER BAND EDGE											
Frequency	SA	Ant.	Peak or	Antenna	Cable &	Amp	Corrected	Corrected	Peak	Avg	
GHz	Rdg.	Vert.	Average	Factor	filter	Gain	Reading	Reading	Limit	Limit	
	dBu/V	or	Reading	dB	loss dB		dBuV/m	uV/m	dBuV	dBuV	
		Horz.									
2.4835	49.70	V	Peak	28.37	3.28	22.3	59.05	896.39	74		
2.4835	52.23	Н	Peak	28.37	3.28	22.3	60.58	1069.05	74		
2.4835	35.64	V	Average	28.37	3.28	22.3	44.99	177.62		54	
2.4835	32.89	Н	Average	28.37	3.28	22.3	42.24	129.41		54	

Radiated Test Notes

- 1.) All spurious and harmonics in the restricted bands listed in Part 15.205 are below the Part 15.209 limit.
- 2.) No peak emissions above 1 GHz are more than 20 dB above the average limit.
- 3.) Peak measurements made with 1 MHz RBW & VBW, Average made with 1MHz RBW & 10 Hz VBW.
- 4.) During preliminary measurements the EUT was measured in 3 mutually orthogonal planes. The highest level for Fo was found with the EUT standing Upright. So this position was used during final measurements at 3 meters.
- 5.) The EUT was AC powered during the testing.
- 6.) The EUT was *modulated but not hopping* channels during this test. The data rate is 1mbps per the Bluetooth standard. The Payload is PRBS9 data.
- 7.) Measurements done according to DA 00-705 Filing and Measurement Guide for FHSS Systems
- 8.) A HP preamplifier and a high pass filter was used during the measurements of the harmonics to reduce the fundamental signal and avoid overloading the front end of the analyzer.

Appendix 1

Plots 1 to 12 are located on the following pages.

Plots 1 to 4 20 dB Bandwidth

Plot 4 79 Hopping Frequencies Occupied Band

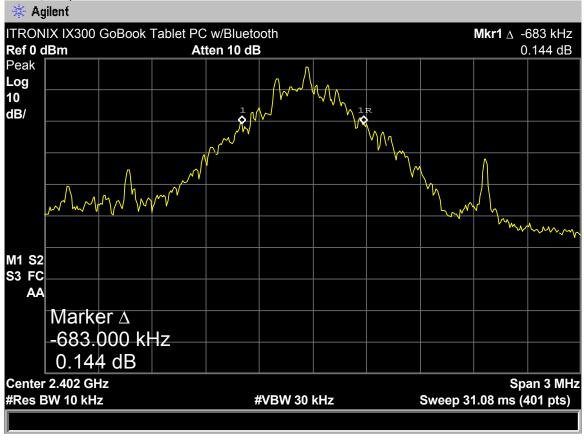
Plots 5 to 7 Conducted Output Power

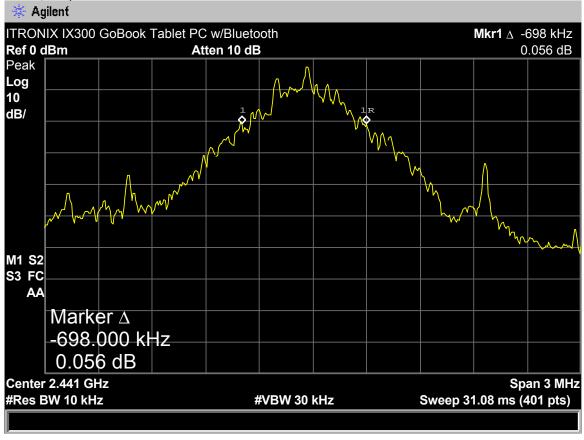
Plot 8 240 MHz Span (high, mid & low channel transmit)

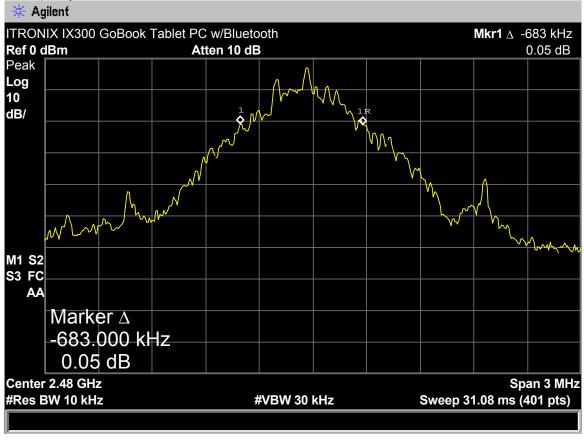
Plots 9 to 10 Spurious RF Conducted Emissions

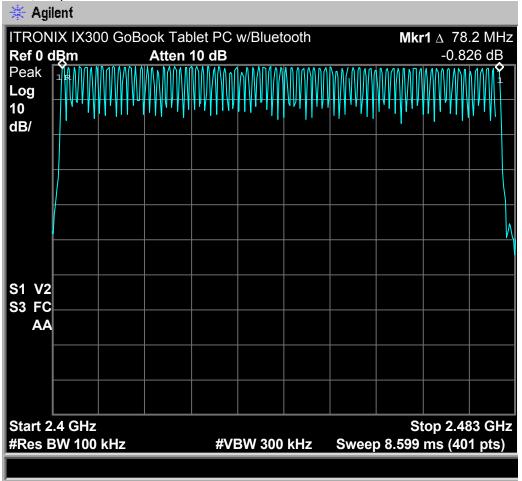
Plot 11 Lower Band-edge Compliance of RF Conducted Emissions

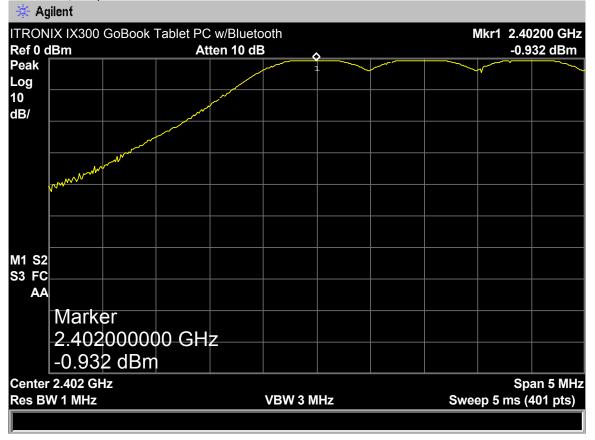
Plot 12 Upper Band-edge Compliance of RF Conducted Emissions

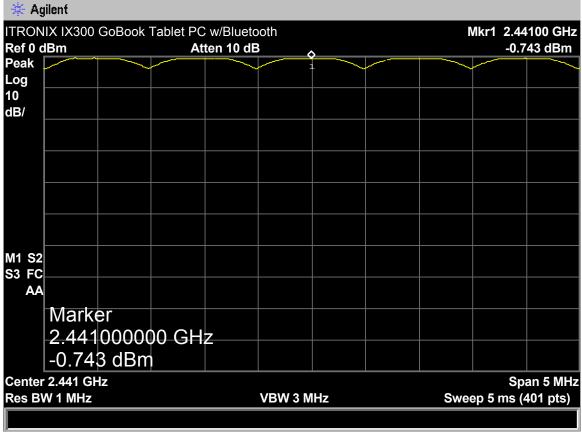






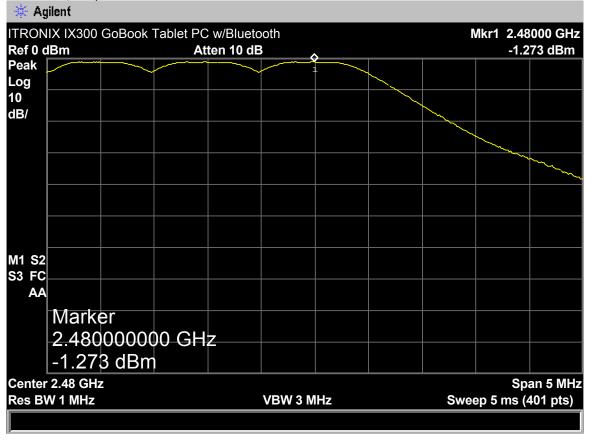


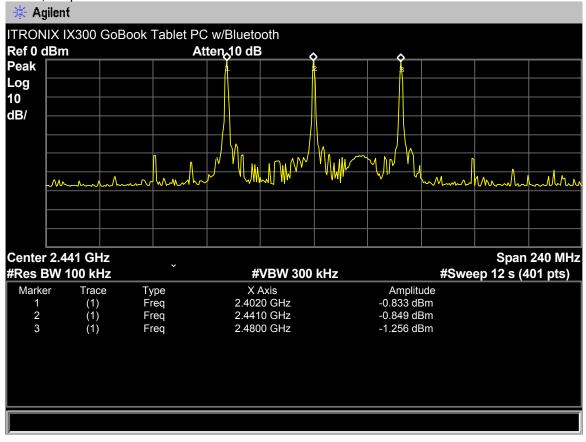


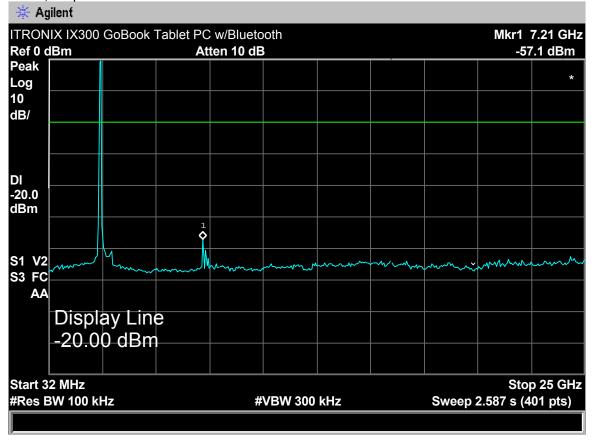


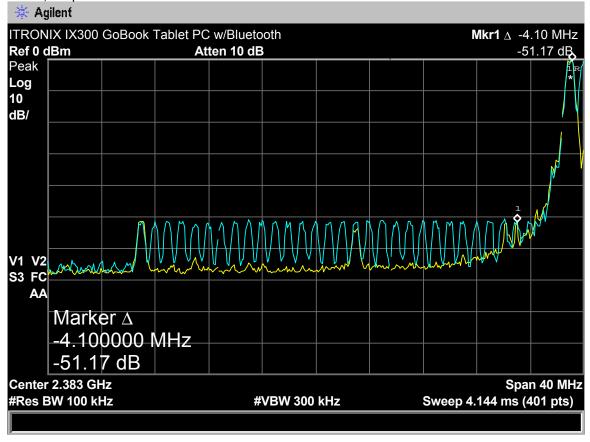


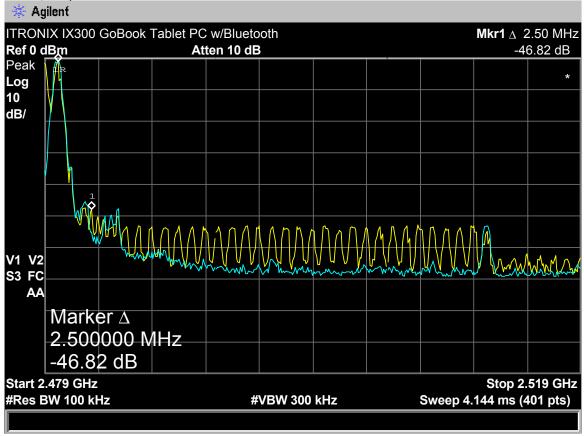
FCC ID KBCIX300AC555WLBT











End of Report