# FCC Part 15C Measurement and Test Report

## For

# SHENZHEN ALLDOCUBE TECHNOLOGY AND SCIENCE CO.,LTD

2F/17Building, Pingshan Industrial Park, Middle of Liuxian Road, Xili Town,

Nanshan District, Shenzhen, China.

FCC ID: 2AAGQ-U25GT

FCC Rules: FCC Part 15C

Product Description: <u>Tablet PC</u>

Tested Model: <u>U25GT</u>

**Report No.:** <u>STR13058363I-1</u>

**Tested Date:** <u>2013-05-30 to 2013-06-08</u>

**Issued Date:** <u>2013-06-09</u>

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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by SEM.Test Compliance Service Co., Ltd

# TABLE OF CONTENTS

1. GENERAL INFORMATION	3
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
1.4 TEST FACILITY	4
2. SUMMARY OF TEST RESULTS	6
3. ANTENNA REQUIREMENT	7
3.1 STANDARD APPLICABLE	
4. POWER SPECTRAL DENSITY	
4.1 STANDARD APPLICABLE 4.2 TEST EQUIPMENT LIST AND DETAILS 4.3 TEST PROCEDURE 4.4 ENVIRONMENTAL CONDITIONS 4.5 SUMMARY OF TEST RESULTS/PLOTS	
5. 6DB BANDWIDTH	15
5.1 STANDARD APPLICABLE	
6. RF OUTPUT POWER	22
6.1 STANDARD APPLICABLE 6.2 TEST EQUIPMENT LIST AND DETAILS 6.3 TEST PROCEDURE 6.4 ENVIRONMENTAL CONDITIONS 6.5 SUMMARY OF TEST RESULTS/PLOTS	
7. FIELD STRENGTH OF SPURIOUS EMISSIONS	33
7.1 MEASUREMENT UNCERTAINTY 7.2 STANDARD APPLICABLE 7.3 TEST EQUIPMENT LIST AND DETAILS 7.4 TEST PROCEDURE 7.5 CORRECTED AMPLITUDE & MARGIN CALCULATION 7.6 ENVIRONMENTAL CONDITIONS 7.7 SUMMARY OF TEST RESULTS/PLOTS	33 33 34 34 34
8. OUT OF BAND EMISSIONS	57
8.1 STANDARD APPLICABLE 8.2 TEST EQUIPMENT LIST AND DETAILS 8.3 TEST PROCEDURE 8.4 ENVIRONMENTAL CONDITIONS 8.5 SUMMARY OF TEST RESULTS/PLOTS	
9. CONDUCTED EMISSIONS	
9.1 MEASUREMENT UNCERTAINTY 9.2 TEST EQUIPMENT LIST AND DETAILS 9.3 TEST PROCEDURE 9.4 BASIC TEST SETUP BLOCK DIAGRAM 9.5 ENVIRONMENTAL CONDITIONS 9.6 TEST RECEIVER SETUP	
9.7 SUMMARY OF TEST RESULTS/PLOTS	71

#### 1. GENERAL INFORMATION

## 1.1 Product Description for Equipment Under Test (EUT)

**Client Information** 

Applicant: SHENZHEN ALLDOUBE TECHNOLOGY AND

SCIENCE CO.,LTD

Address of applicant: 2F/17Building,Pingshan Industrial Park,Middle of Liuxian

Road, Xili Town, Nanshan District, Shenzhen, China.

SHENZHEN ALLDOUBE TECHNOLOGY AND

Manufacturer: SCIENCE CO.,LTD

Address of manufacturer: 2F/17Building,Pingshan Industrial Park,Middle of Liuxian

Road, Xili Town, Nanshan District, Shenzhen, China.

General Description of EUT	
Product Name:	Tablet PC
Trade Name:	Smartbook
Model No.:	U25GT
Adding Model(s):	S701
Rated Voltage:	Charging: DC 5V, Battery: 3.7V
Rated Current:	2A
Power Adapter Medal:	P1-5.2, Input: 100-240 50/60Hz,0.5A
Power Adaptor Model:	Output: DC 5V,2A

Note: The test data is gathered from a production sample, provided by the manufacturer. The other model listed in the report has different appearance only of U25GT without circuit and electronic construction changed, declared by the manufacturer

Technical Characteristics of EUT	
Support Standards:	802.11b, 802.11g, 802.11n-HT20
Frequency Range:	2412-2462MHz for 11b/g/n(HT20)
RF Output Power:	7.95 dBm (Conducted)
Data Rate:	1-11Mbps, 6-54Mbps, up to 150Mbps
Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Quantity of Channels:	11 for 802.11b/g/n-HT20
Channel Separation:	5MHz
Antenna Type:	Integral Antenna
Antenna Gain:	2 dBi
Lowest Internal Frequency of EUT:	32.768kHz
Device Category:	Portable Device

REPORT NO.: STR13058363I-1 PAGE 3 OF 73 FCC PART 15.247

#### 1.2 Test Standards

The following report is prepared on behalf of the SHENZHEN ALLDOCUBE TECHNOLOGY AND SCIENCE CO.,LTD in accordance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 of the Federal Communication Commissions rules.

Model: U25GT

The objective is to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 of the Federal Communication Commissions rules.

**Maintenance of compliance** is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

#### 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz. The public notice KDB 558074 for digital transmission systems shall be performed also.

#### 1.4 Test Facility

#### • FCC – Registration No.: 994117

SEM.Test Compliance Services Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files and the Registration is 994117.

#### • Industry Canada (IC) Registration No.: 7673A

The 3m Semi-anechoic chamber of SEM.Test Compliance Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 7673A.

#### • CNAS Registration No.: L4062

Shenzhen SEM. Test Electronics Service Co., Ltd. is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L4062. All measurement facilities used to collect the measurement data are located at 3/F, Jinbao Commerce Building, Xin'an Fanshen Road, Bao'an District, Shenzhen, P.R.C (518101)

REPORT NO.: STR13058363I-1 PAGE 4 OF 73 FCC PART 15.247

# 1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Model: U25GT

Test Mode L	ist	
Test Mode	Description	Remark
TM1	802.11b	2412MHz, 2437MHz, 2462MHz
TM2	802.11g	2412MHz, 2437MHz, 2462MHz
TM3	802.11n-HT20	2412MHz, 2437MHz, 2462MHz

#### **EUT Cable List and Details**

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
Ear Phone Cable	1.0	Unshielded	Without Core

#### Auxiliary Equipment List and Details

Description	Manufacturer Model		Serial Number	
Notebook	SAMSUNG	NP-R20	124V93FP30082V	

#### Special Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core	
USB Cable	1.0	Shielded	Without Core	

REPORT NO.: STR13058363I-1 PAGE 5 OF 73 FCC PART 15.247

# 2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§ 15.203; § 15.247(b)(4)(i)	Antenna Requirement	Compliant
§ 15.207(a)	Conducted Emission Complian	
§ 15.247(e)	Power Spectral Density Comp	
§ 15.247(a)(2)	6 dB Bandwidth	Compliant
§ 15.247(b)(3)	RF Output Power	Compliant
§ 15.209(a)(d)	Radiated Emission	Compliant
§ 15.247(d)	Band Edge (Out of Band Emissions)	Compliant

N/A: not applicable

REPORT NO.: STR13058363I-1 PAGE 6 OF 73 FCC PART 15.247

# 3. Antenna Requirement

## 3.1 Standard Applicable

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Model: U25GT

#### 3.2 Evaluation Information

This product has an integral antenna, fulfill the requirement of this section.

REPORT NO.: STR13058363I-1 PAGE 7 OF 73 FCC PART 15.247

# 4. Power Spectral Density

# 4.1 Standard Applicable

According to 15.247(a)(1)(iii), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Model: U25GT

# 4.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	Agilent	E4402B	US41192821	2013-05-07	2014-05-06
Attenuator	ATTEN	ATS100-4-20	/	2013-05-07	2014-05-06

**Statement of Traceability:** All calibrations have been performed per the NVLAP requirements traceable to the NIST.

#### **4.3 Test Procedure**

According to the KDB 558074 D01 V02, the test method of power spectral density as below:

- 1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 2. Set analyzer center frequency to DTS channel center frequency.
- 3. Set the span to 1.5 times the DTS channel bandwidth.
- 4. Set the RBW  $\geq$  3 kHz.
- 5. Set the VBW  $\geq$  3 x RBW.
- 6. Detector = peak.
- 7. Sweep time = auto couple.
- 8. Trace mode = max hold.
- 9. Allow trace to fully stabilize.
- 10. Use the peak marker function to determine the maximum amplitude level.
- 11. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### **4.4 Environmental Conditions**

Temperature:	20° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

REPORT NO.: STR13058363I-1 PAGE 8 OF 73 FCC PART 15.247

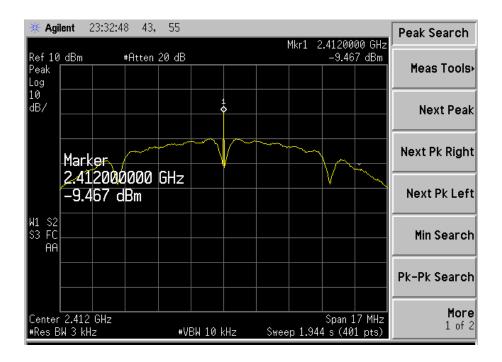
# 4.5 Summary of Test Results/Plots

Test Mode	Test Channel MHz	Power Spectral Density dBm/3kHz	Limit dBm/3kHz
	2412	-9.467	8
802.11b	2437	-8.774	8
	2462	-8.237	8
	2412	-9.799	8
802.11g	2437	-9.184	8
	2462	-8.651	8
	2412	-9.721	8
802.11n HT20	2437	-9.122	8
	2462	-8.537	8

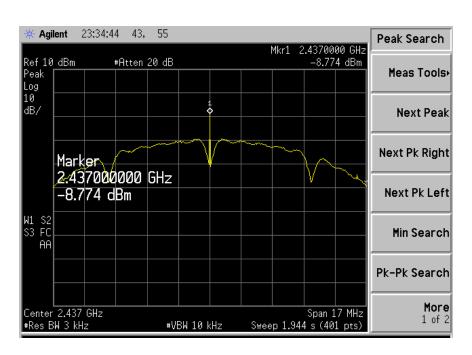
Please refer to the following test plots:

REPORT NO.: STR13058363I-1 PAGE 9 OF 73 FCC PART 15.247

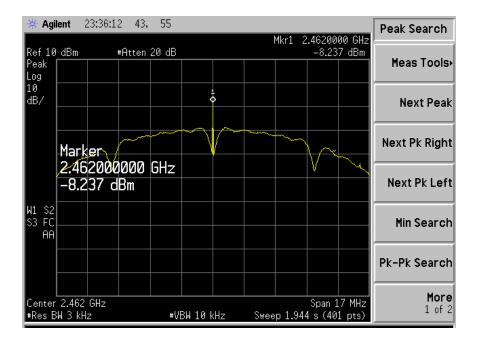
#### 802.11b-Low Channel



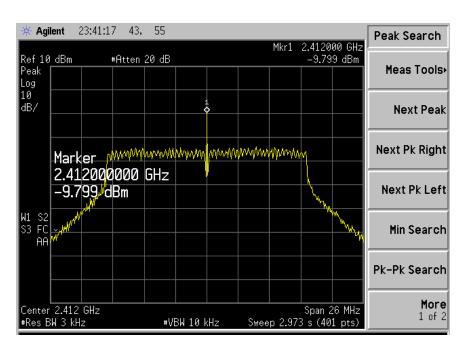
#### 802.11b-Middle Channel



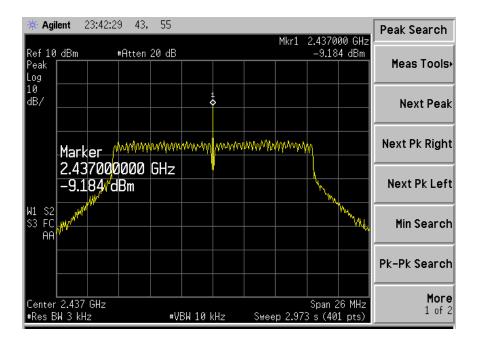
#### 802.11b-High Channel



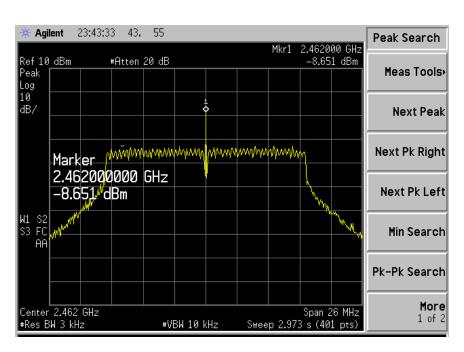
#### 802.11g-Low Channel



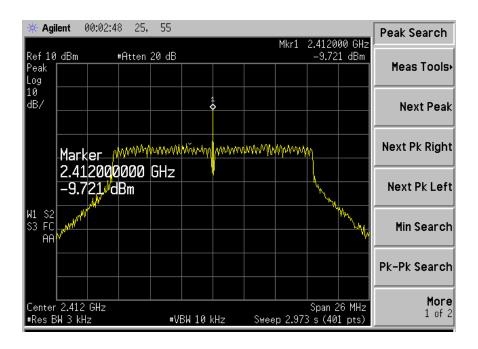
#### 802.11g-Middle Channel



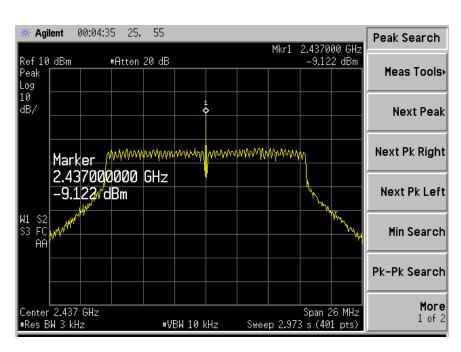
#### 802.11g-High Channel



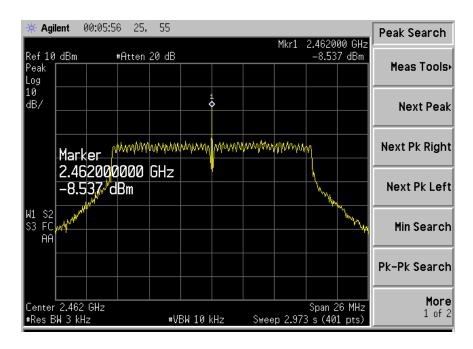
#### 802.11n-HT20-Low Channel



#### 802.11n-HT20-Middle Channel



#### 802.11n-HT20-High Channel



#### 5. 6dB Bandwidth

# **5.1 Standard Applicable**

According to 15.247(a)(2). Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Model: U25GT

### 5.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	Agilent	E4402B	US41192821	2013-05-07	2014-05-06
Attenuator	ATTEN	ATS100-4-20	/	2013-05-07	2014-05-06

**Statement of Traceability:** All calibrations have been performed per the NVLAP requirements traceable to the NIST.

#### **5.3 Test Procedure**

- 1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 2. Set resolution bandwidth (RBW) = 1-5% or DTS BW, not to exceed 100 kHz.
- 3. Set the video bandwidth (VBW)  $\geq$  3 x RBW.
- 4. Detector = Peak.
- 5. Trace mode = max hold.
- 6. Sweep = auto couple.
- 7. Allow the trace to stabilize.
- 8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission..

#### **5.4 Environmental Conditions**

Temperature:	24° C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

REPORT NO.: STR13058363I-1 PAGE 15 OF 73 FCC PART 15.247

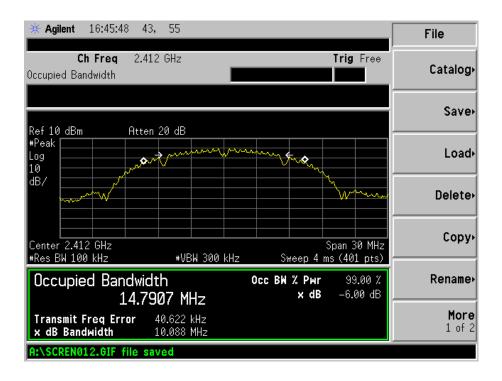
# **5.5 Summary of Test Results/Plots**

Test Mode	Test Channel MHz	6 dB Bandwidth kHz	Limit kHz	
	2412	10088	500	
802.11b	2437	10082	500	
	2462	10078	500	
802.11g	2412	16439	500	
	2437	16454	500	
	2462	16428	500	
802.11n-HT20	2412	16448	500	
	2437	16450	500	
	2462	16433	500	

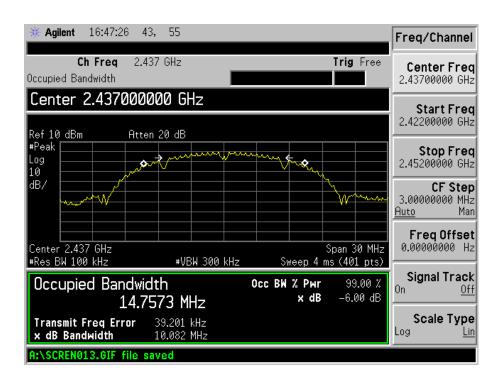
Please refer to the following test plots:

REPORT NO.: STR13058363I-1 PAGE 16 OF 73 FCC PART 15.247

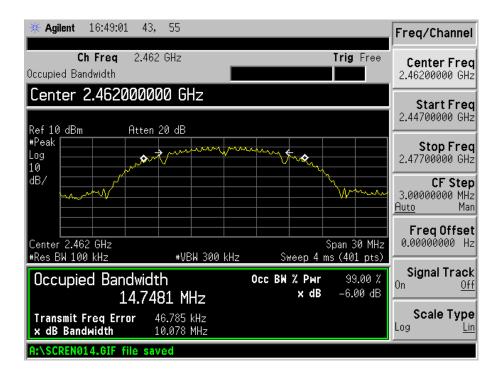
#### 802.11b-Low Channel



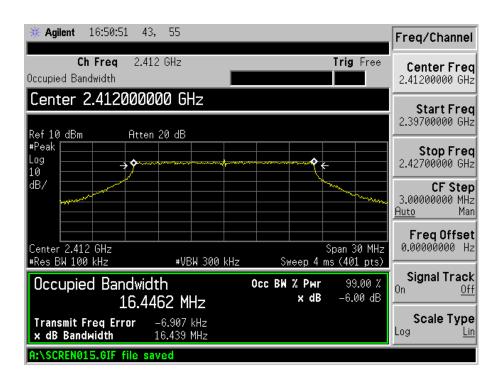
#### 802.11b-Middle Channel



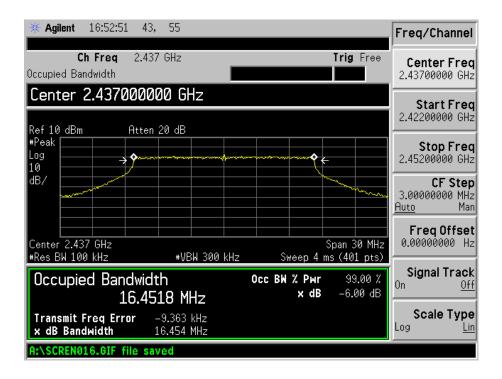
#### 802.11b-High Channel



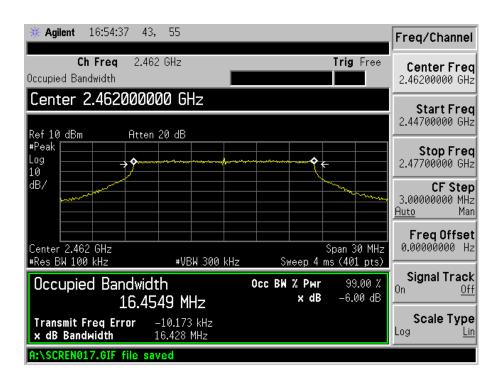
#### 802.11g-Low Channel



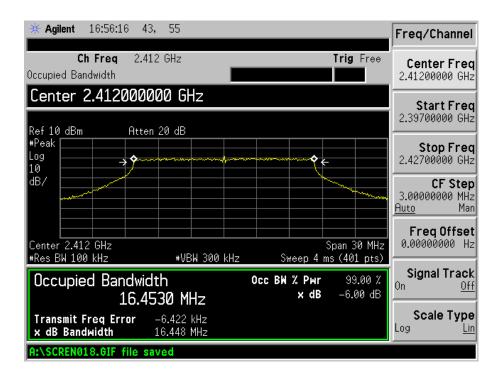
#### 802.11g-Middle Channel



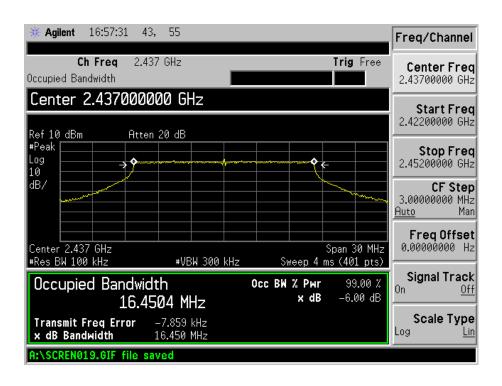
#### 802.11g-High Channel



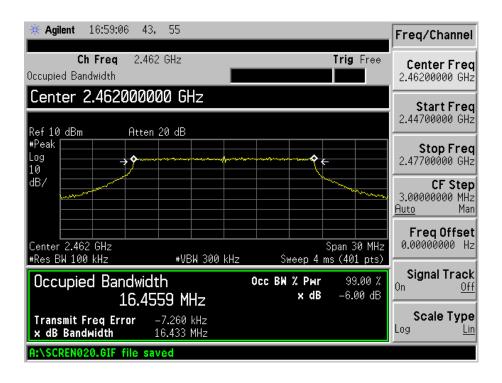
#### 802.11n-HT20-Low Channel



#### 802.11n-HT20-Middle Channel



#### 802.11n-HT20-High Channel



# 6. RF Output Power

# **6.1 Standard Applicable**

According to 15.247(b)(3). For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt.

Model: U25GT

#### **6.2 Test Equipment List and Details**

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	Agilent	E4402B	US41192821	2013-05-07	2014-05-06
Attenuator	ATTEN	ATS100-4-20	/	2013-05-07	2014-05-06

**Statement of Traceability:** All calibrations have been performed per the NVLAP requirements traceable to the NIST.

#### **6.3 Test Procedure**

According to section 15.247(b)-power output of the KDB-558074 D01 V02 (2012), 8.1.2 Option 2 (channel integration method) this procedure should only be used when the maximum available RBW of the spectrum/signal analyzer is less than the DTS bandwidth.

- 1. Set the RBW = maximum available (at least 1 MHz).
- 2. Set the VBW =  $3 \times RBW$  or maximum available setting (must be  $\geq RBW$ ).
- 3. Set the span to fully encompass the DTS bandwidth.
- 4. Detector = peak.
- 5. Sweep time = auto couple.
- 6. Trace mode = max hold.
- 7. Allow trace to fully stabilize.
- 8. Use the spectrum analyzer's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some analyzers, this may require a manual override to ensure use of peak detector).

#### **6.4 Environmental Conditions**

Temperature:	21° C
Relative Humidity:	55%
ATM Pressure:	1011 mbar

REPORT NO.: STR13058363I-1 PAGE 22 OF 73 FCC PART 15.247

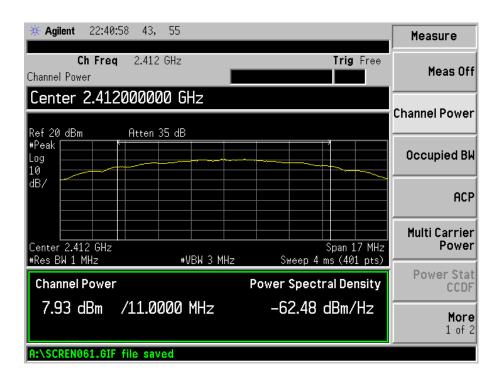
# **6.5 Summary of Test Results/Plots**

Test Mode	Frequency MHz	Reading dBm	Output Power mW	Limit mW
	2412	7.93	6.21	1000
802.11b _1Mbps	2437	7.58	5.73	1000
	2462	7.23	5.28	1000
	2412	7.95	6.24	1000
802.11b _11Mbps	2437	7.56	5.70	1000
	2462	7.16	5.20	1000
	2412	5.50	3.55	1000
802.11g_6Mbps	2437	5.35	3.43	1000
	2462	5.07	3.21	1000
	2412	5.49	3.54	1000
802.11g_54Mbps	2437	5.27	3.37	1000
	2462	5.09	3.23	1000
	2412	5.78	3.78	1000
802.11n HT20_MCS0	2437	5.31	3.40	1000
	2462	5.08	3.22	1000
	2412	5.74	3.75	1000
802.11n HT20_MCS7	2437	5.24	3.34	1000
	2462	5.13	3.26	1000

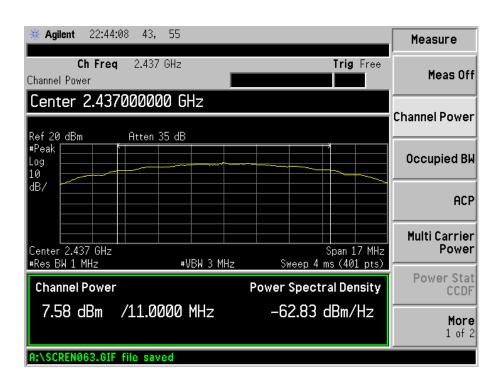
Please refer to the following test plots:

REPORT NO.: STR13058363I-1 PAGE 23 OF 73 FCC PART 15.247

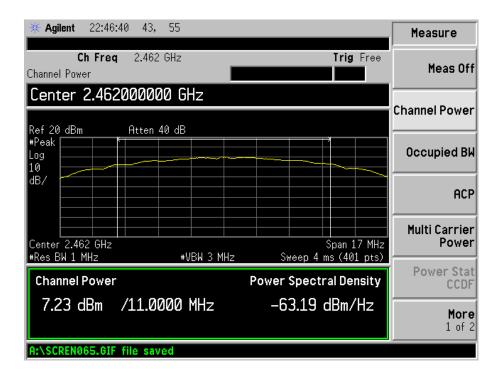
#### 802.11b-1Mbps-Low Channel



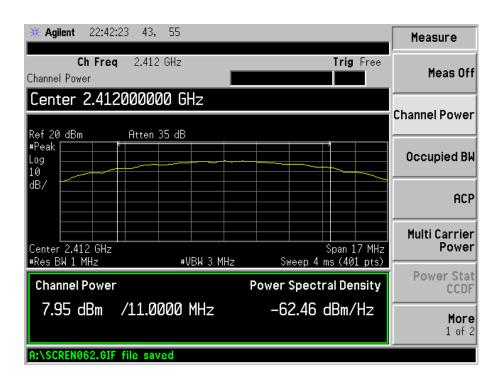
#### 802.11b -1Mbps-Middle Channel



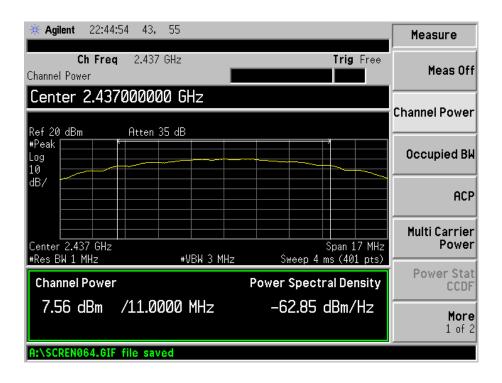
#### 802.11b -1Mpbs-High Channel



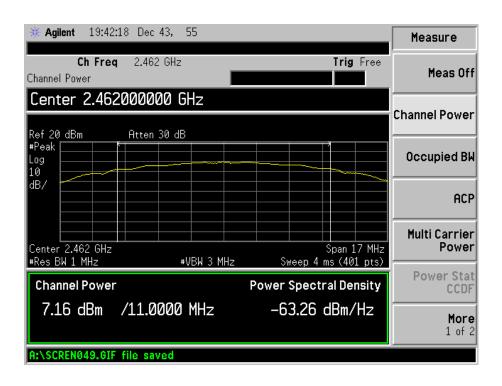
#### 802.11-11Mbps-Low Channel



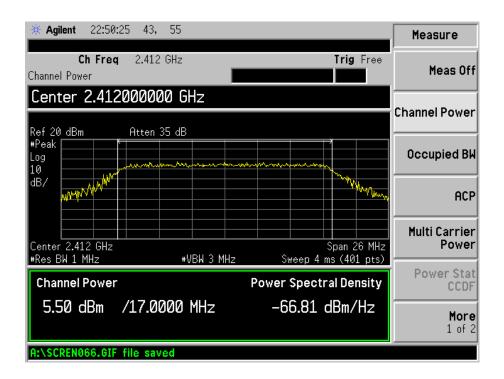
#### 802.11b -11Mbps-Middle Channel



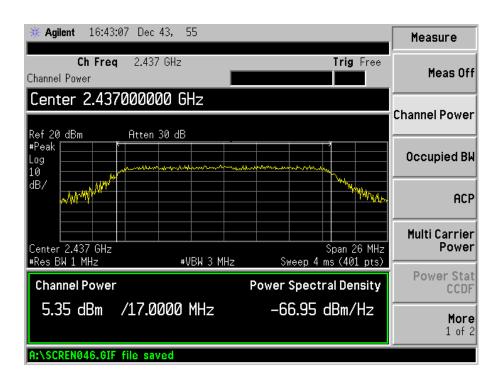
#### 802.11b -11Mpbs-High Channel



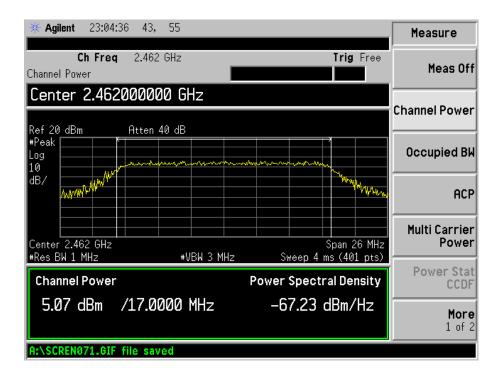
#### 802.11g-6Mbps-Low Channel



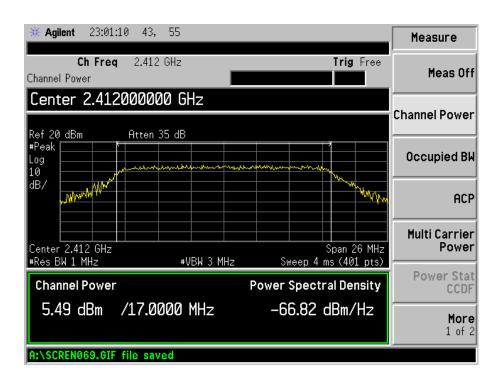
#### 802.11g-6Mbps-Middle Channel



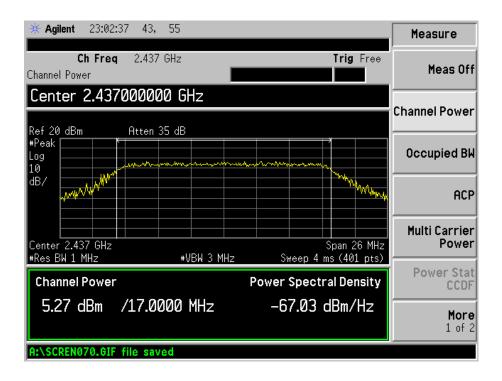
#### 802.11g-6Mpbs-High Channel



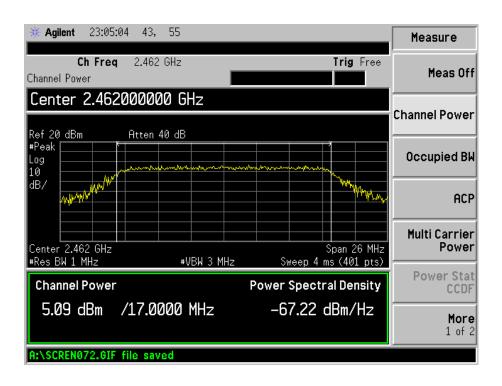
#### 802.11g-54Mbps-Low Channel



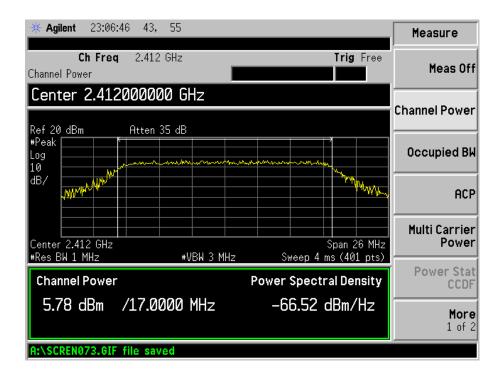
#### 802.11g-54Mbps-Middle Channel



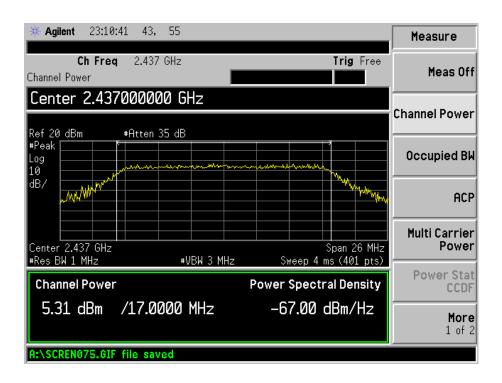
#### 802.11g-54Mpbs-High Channel



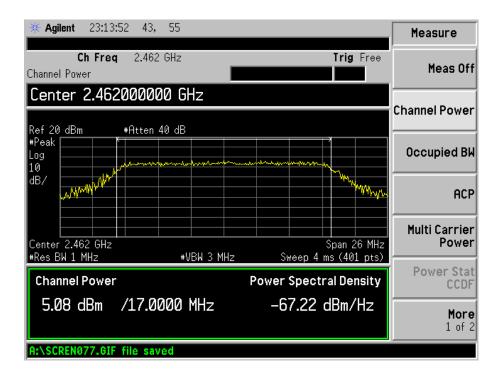
#### 802.11n-HT20-MCS0-Low Channel



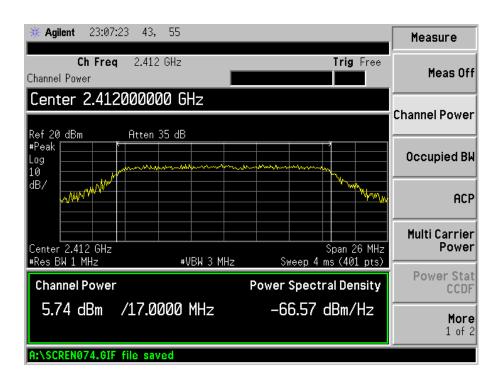
#### 802.11n-HT20-MCS0-Middle Channel



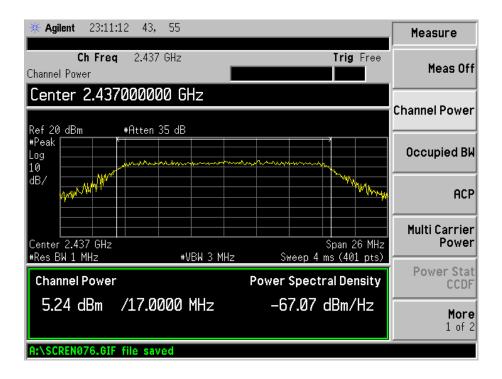
## 802.11n-HT20-MCS0-High Channel



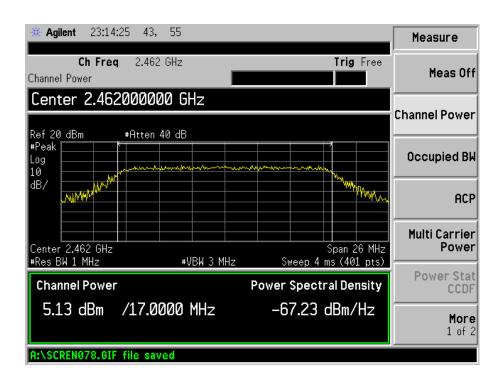
#### 802.11n-HT20-MCS7-Low Channel



#### 802.11n-HT20-MCS7-Middle Channel



#### 802.11n-HT20-MCS7-High Channel



# 7. Field Strength of Spurious Emissions

# 7.1 Measurement Uncertainty

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is +5.10 dB.

Model: U25GT

#### 7.2 Standard Applicable

According to §15.247(d), in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

#### 7.3 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	R&S	FSP	836079/035	2013-03-28	2014-03-27
EMI Test Receiver	R&S	ESVB	825471/005	2013-03-28	2014-03-27
Pre-amplifier	Agilent	8447F	3113A06717	2013-03-28	2014-03-27
Pre-amplifier	Pre-amplifier Compliance Direction		24002	2013-03-28	2014-03-27
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2013-04-20	2014-04-19
Horn Antenna	ETS	3117	00086197	2013-04-20	2014-04-19
Horn Antenna	ETS	3116B	00088203	2013-04-20	2014-04-19
Loop Antenna	SCHWARZECK	HFRA 5165	9365	2013-04-20	2014-04-19

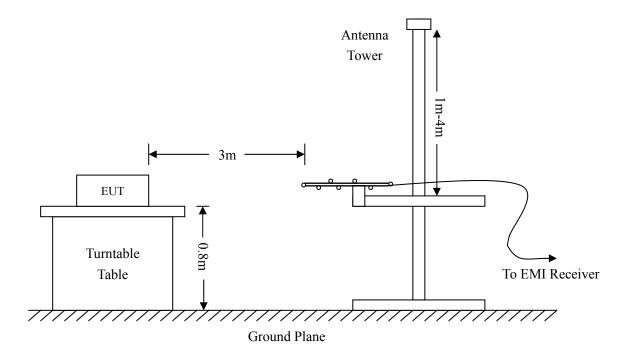
**Statement of Traceability:** All calibrations have been performed per the NVLAP requirements traceable to the NIST.

REPORT NO.: STR13058363I-1 PAGE 33 OF 73 FCC PART 15.247

#### 7.4 Test Procedure

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.205 15.247(a) and FCC Part 15.209 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.



#### 7.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB $\mu$ V means the emission is 6dB $\mu$ V below the maximum limit for Class B. The equation for margin calculation is as follows:

#### 7.6 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1012 mbar

REPORT NO.: STR13058363I-1 PAGE 34 OF 73 FCC PART 15.247

# 7.7 Summary of Test Results/Plots

According to the data below, the FCC Part 15.205, 15.209 and 15.247 standards, and had the worst margin of:

-2.14 dB at 64.4331 MHz in the Vertical polarization for 802.11b-High Channel, 9kHz to 25 GHz, 3 Meters

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

REPORT NO.: STR13058363I-1 PAGE 35 OF 73 FCC PART 15.247

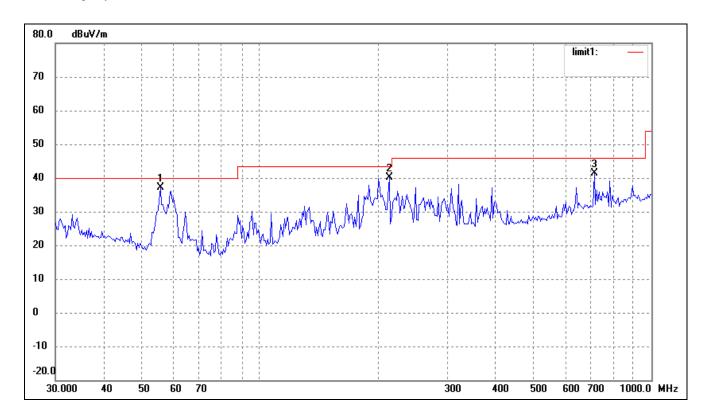
## Plot of Radiated Emissions Test Data (30MHz to 1GHz)

EUT: Tablet PC
Tested Model: U25GT

Operating Condition: 802.11b Transmitting Low Channel-2412MHz

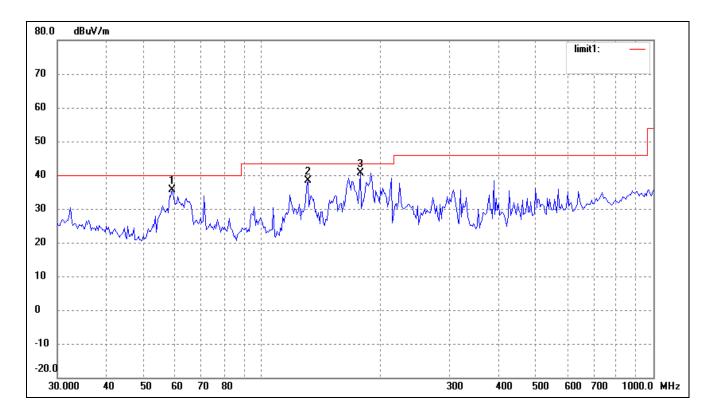
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	55.6094	31.04	6.11	37.15	40.00	-2.85	264	100	peak
2	213.7634	34.72	5.52	40.24	43.50	-3.26	113	200	peak
3	714.1734	24.93	16.37	41.30	46.00	-4.70	287	100	peak

REPORT NO.: STR13058363I-1 PAGE 36 OF 73 FCC PART 15.247

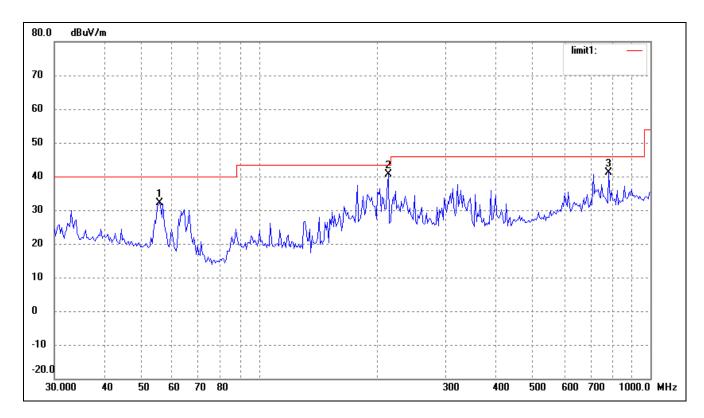


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	58.8185	29.92	5.81	35.73	40.00	-4.27	240	100	peak
2	130.8369	34.27	4.07	38.34	43.50	-5.16	187	100	peak
3	178.1327	37.01	3.74	40.75	43.50	-2.75	220	100	peak

Operating Condition: 802.11b Transmitting Middle Channel-2437MHz

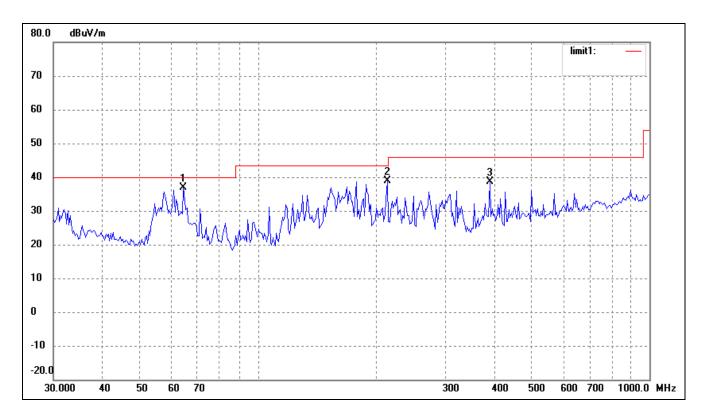
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



No	0.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
		(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	l	55.6094	26.04	6.11	32.15	40.00	-7.85	162	100	peak
2	2	213.7634	35.09	5.52	40.61	43.50	-2.89	200	100	peak
3	3	782.3453	25.38	15.81	41.19	46.00	-4.81	359	100	peak

REPORT NO.: STR13058363I-1 PAGE 38 OF 73 FCC PART 15.247

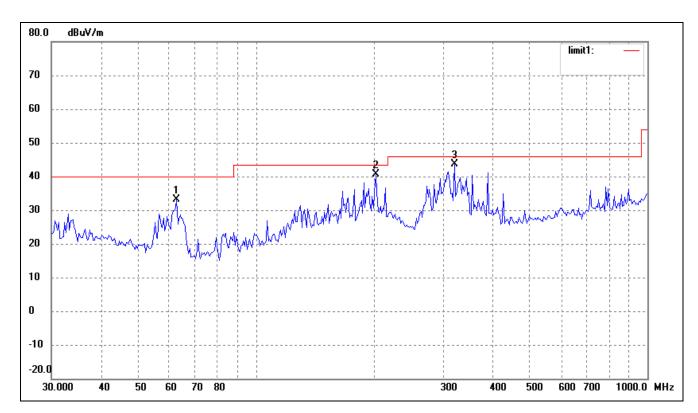


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	64.4331	32.51	4.29	36.80	40.00	-3.20	240	100	peak
2	213.7634	33.48	5.52	39.00	43.50	-4.50	187	100	peak
3	390.7226	27.48	11.12	38.60	46.00	-7.40	220	100	peak

Operating Condition: 802.11b Transmitting High Channel-2462MHz

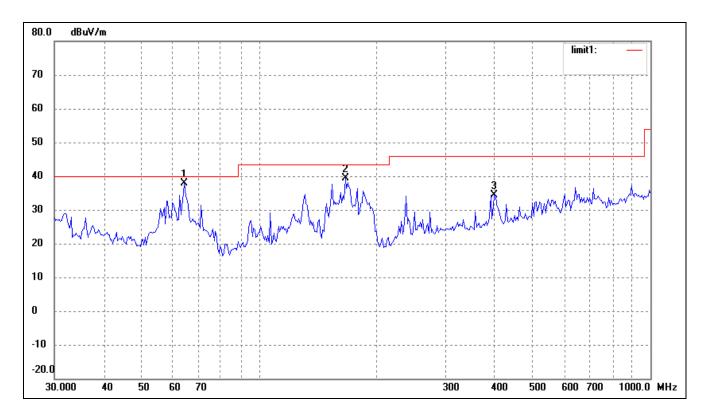
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



N	0.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
		(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	1	62.6507	28.40	4.85	33.25	40.00	-6.75	162	100	peak
2	2	202.1005	35.80	4.78	40.58	43.50	-2.92	200	100	peak
3	3	321.0608	33.09	10.46	43.55	46.00	-2.45	200	100	peak

REPORT NO.: STR13058363I-1 PAGE 40 OF 73 FCC PART 15.247



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	64.4331	33.57	4.29	37.86	40.00	-2.14	240	100	peak
2	166.0680	35.79	3.68	39.47	43.50	-4.03	187	100	peak
3	399.0302	22.97	11.50	34.47	46.00	-11.53	220	100	peak

REPORT NO.: STR13058363I-1 PAGE 41 OF 73 FCC PART 15.247

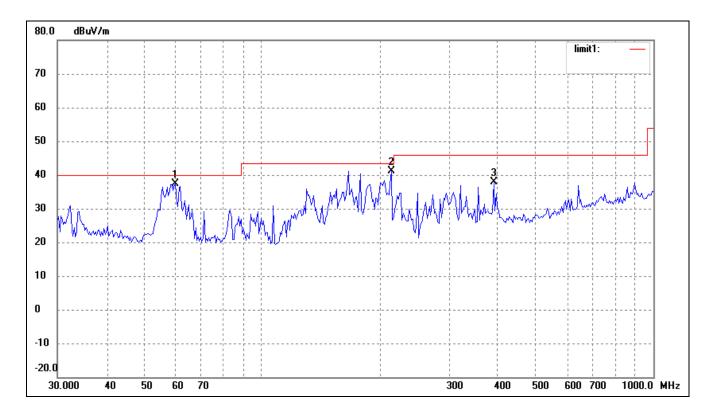
## Plot of Radiated Emissions Test Data (30MHz to 1GHz)

EUT: Tablet PC
Tested Model: U25GT

Operating Condition: 802.11g Transmitting Low Channel-2412MHz

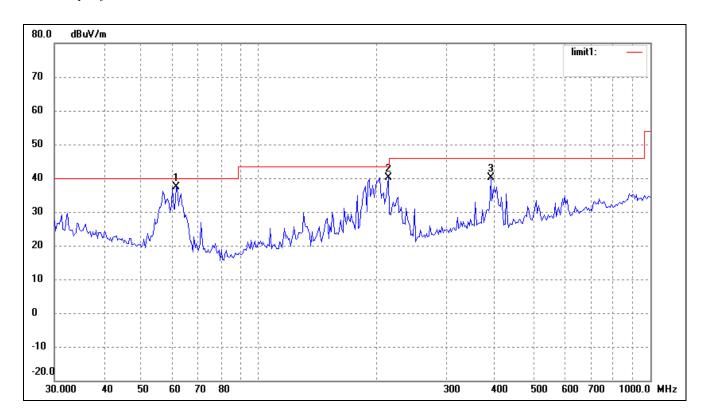
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	60.0691	31.63	5.67	37.30	40.00	-2.70	264	100	peak
2	213.7634	35.72	5.52	41.24	43.50	-2.26	113	200	peak
3	390.7226	26.72	11.12	37.84	46.00	-8.16	287	100	peak

REPORT NO.: STR13058363I-1 PAGE 42 OF 73 FCC PART 15.247

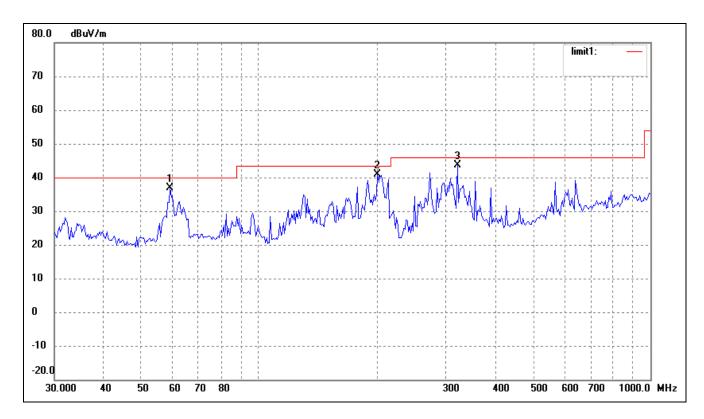


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	61.3463	32.03	5.27	37.30	40.00	-2.70	240	100	peak
2	213.7634	34.54	5.52	40.06	43.50	-3.44	187	100	peak
3	390.7226	28.90	11.12	40.02	46.00	-5.98	220	100	peak

Operating Condition: 802.11g Transmitting Middle Channel-2437MHz

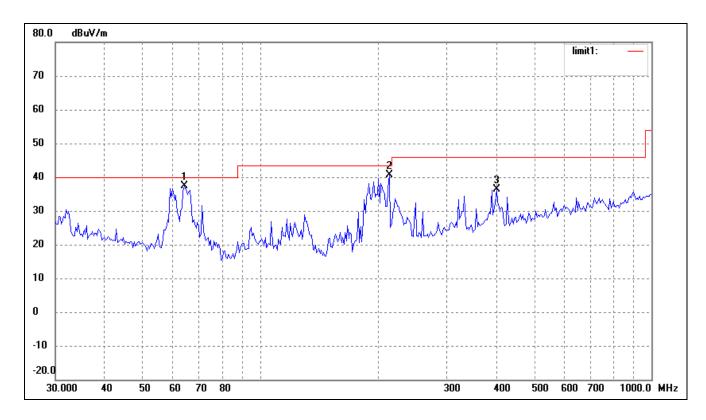
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	59.2325	31.04	5.76	36.80	40.00	-3.20	162	100	peak
2	200.6881	36.08	4.69	40.77	43.50	-2.73	200	100	peak
3	321.0608	33.24	10.46	43.70	46.00	-2.30	359	100	peak

REPORT NO.: STR13058363I-1 PAGE 44 OF 73 FCC PART 15.247



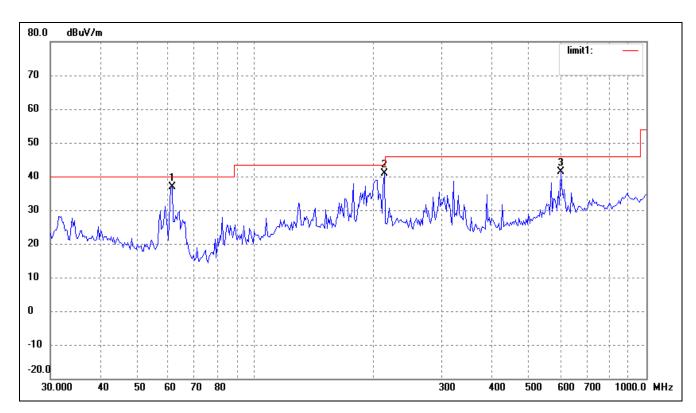
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	63.9828	32.91	4.44	37.35	40.00	-2.65	240	100	peak
2	213.7634	35.14	5.52	40.66	43.50	-2.84	187	100	peak
3	401.8385	24.96	11.47	36.43	46.00	-9.57	220	100	peak

REPORT NO.: STR13058363I-1 PAGE 45 OF 73 FCC PART 15.247

Operating Condition: 802.11g Transmitting High Channel-2462MHz

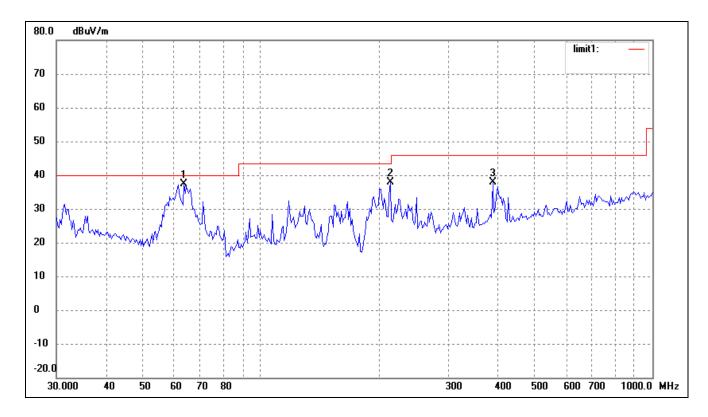
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



]	No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
		(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
	1	61.3463	31.62	5.27	36.89	40.00	-3.11	162	100	peak
	2	213.7634	35.29	5.52	40.81	43.50	-2.69	200	100	peak
	3	603.5392	26.84	14.62	41.46	46.00	-4.54	200	100	peak

REPORT NO.: STR13058363I-1 PAGE 46 OF 73 FCC PART 15.247



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	63.5356	32.89	4.57	37.46	40.00	-2.54	240	100	peak
2	213.7634	32.24	5.52	37.76	43.50	-5.74	187	100	peak
3	390.7226	26.69	11.12	37.81	46.00	-8.19	220	100	peak

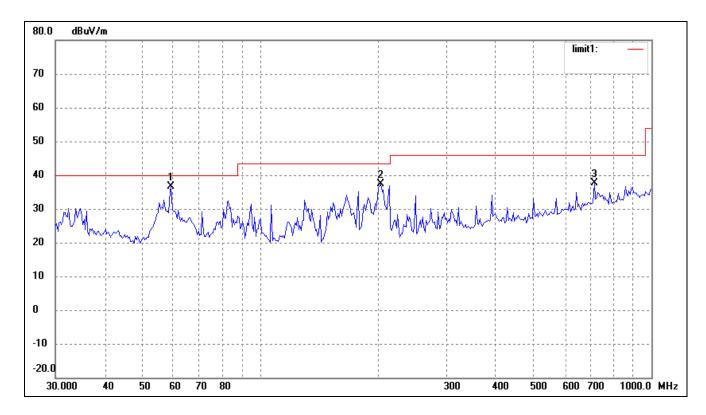
## Plot of Radiated Emissions Test Data (30MHz to 1GHz)

EUT: Tablet PC
Tested Model: U25GT

Operating Condition: 802.11n-HT20 Transmitting Low Channel-2412MHz

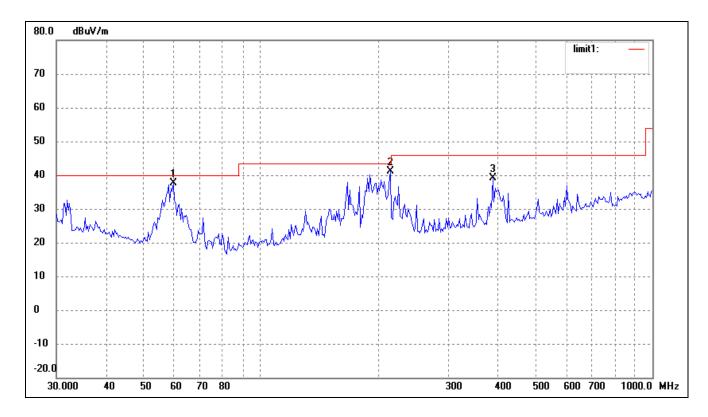
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	59.2325	30.82	5.76	36.58	40.00	-3.42	264	100	peak
2	203.5228	32.63	4.87	37.50	43.50	-6.00	113	200	peak
3	714.1734	21.16	16.37	37.53	46.00	-8.47	287	100	peak

REPORT NO.: STR13058363I-1 PAGE 48 OF 73 FCC PART 15.247



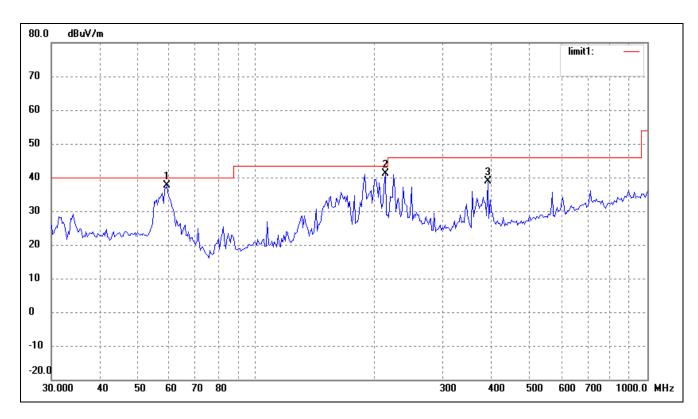
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	59.6493	32.02	5.72	37.74	40.00	-2.26	240	100	peak
2	213.7634	35.66	5.52	41.18	43.50	-2.32	187	100	peak
3	390.7226	27.93	11.12	39.05	46.00	-6.95	220	100	peak

REPORT NO.: STR13058363I-1 PAGE 49 OF 73 FCC PART 15.247

Operating Condition: 802.11n-HT20 Transmitting Middle Channel-2437MHz

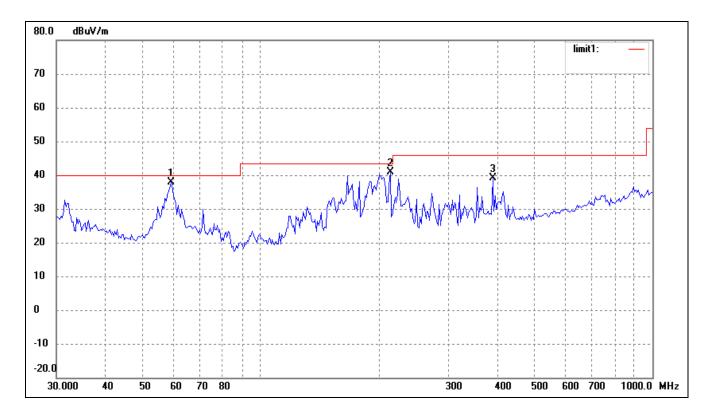
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



No	. Freq	uency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(M	Hz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	59.2	2325	31.93	5.76	37.69	40.00	-2.31	162	100	peak
2	213.	7634	35.57	5.52	41.09	43.50	-2.41	200	100	peak
3	390.	7226	27.86	11.12	38.98	46.00	-7.02	359	100	peak

REPORT NO.: STR13058363I-1 PAGE 50 OF 73 FCC PART 15.247



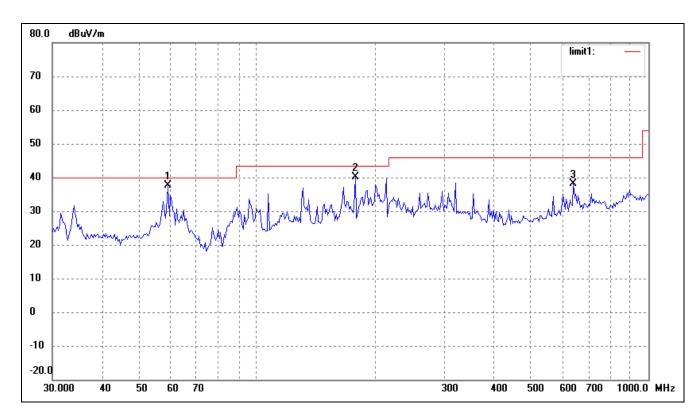
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	58.8185	32.05	5.81	37.86	40.00	-2.14	240	100	peak
2	213.7634	35.42	5.52	40.94	43.50	-2.56	187	100	peak
3	390.7226	27.97	11.12	39.09	46.00	-6.91	220	100	peak

REPORT NO.: STR13058363I-1 PAGE 51 OF 73 FCC PART 15.247

Operating Condition: 802.11n-HT20 Transmitting High Channel-2462MHz

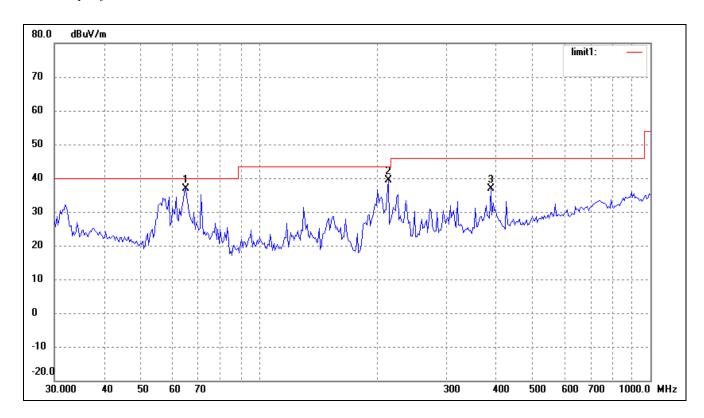
Comment: DC 3.7V Lithium battery

Test Specification: Horizontal



No	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	59.2325	31.97	5.76	37.73	40.00	-2.27	162	100	peak
2	178.1327	36.40	3.74	40.14	43.50	-3.36	200	100	peak
3	642.8613	22.87	15.14	38.01	46.00	-7.99	200	100	peak

REPORT NO.: STR13058363I-1 PAGE 52 OF 73 FCC PART 15.247



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(•)	(cm)	
1	64.8865	32.71	4.15	36.86	40.00	-3.14	240	100	peak
2	213.7634	33.89	5.52	39.41	43.50	-4.09	187	100	peak
3	390.7226	25.73	11.12	36.85	46.00	-9.15	220	100	peak

## Spurious Emissions Above 1GHz

Test Mode: 802.11b

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
			Low Chann	el-2412MHz			
4824	55.65	0.57	56.22	74.00	-17.78	Н	PK
4824	38.31	0.57	38.88	54.00	-15.12	Н	AV
7236	43.53	4.93	48.46	74.00	-25.54	Н	PK
7236	31.58	4.99	36.57	54.00	-17.43	Н	AV
4824	62.60	0.57	63.17	74.00	-10.83	V	PK
4824	44.52	0.57	45.09	54.00	-8.91	V	AV
7236	45.52	3.69	49.21	74.00	-24.79	V	PK
7236	31.07	3.69	34.76	54.00	-19.24	V	AV
			Middle Chan	nel-2437MHz			
4874	52.20	0.64	52.84	74.00	-21.16	Н	PK
4874	35.10	0.64	35.74	54.00	-18.26	Н	AV
7311	43.02	5.44	48.46	74.00	-25.54	Н	PK
7311	31.55	4.99	36.54	54.00	-17.46	Н	AV
4874	66.08	0.64	66.72	74.00	-7.28	V	PK
4874	47.36	0.64	48.00	54.00	-6.00	V	AV
7311	49.30	3.75	53.05	74.00	-20.95	V	PK
7311	34.19	3.75	37.94	54.00	-16.06	V	AV
			High Chann	el-2462MHz			
4924	55.15	0.71	55.86	74.00	-18.14	Н	PK
4924	37.79	0.71	38.50	54.00	-15.50	Н	AV
7386	43.89	4.99	48.88	74.00	-25.12	Н	PK
7386	31.51	4.99	36.50	54.00	-17.50	Н	AV
4924	63.42	0.71	64.13	74.00	-9.87	V	PK
4924	45.01	0.71	45.72	54.00	-8.28	V	AV
7386	49.67	3.82	53.49	74.00	-20.51	V	PK
7386	34.25	3.82	38.07	54.00	-15.93	V	AV

REPORT NO.: STR13058363I-1 PAGE 54 OF 73 FCC PART 15.247

Test Mode: 802.11g

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
			Low Channe	el-2412MHz			•
4824	44.45	0.57	45.02	74.00	-28.98	Н	PK
4824	33.31	0.57	33.88	54.00	-20.12	Н	AV
7236	43.83	5.06	48.89	74.00	-25.11	Н	PK
7236	31.60	4.99	36.59	54.00	-17.41	Н	AV
4824	51.63	0.57	52.20	74.00	-21.80	V	PK
4824	38.66	0.57	39.23	54.00	-14.77	V	AV
7236	44.34	4.93	49.27	74.00	-24.73	V	PK
7236	31.71	4.99	36.70	54.00	-17.30	V	AV
			Middle Chan	nel-2437MHz			
4874	46.19	0.64	46.83	74.00	-27.17	Н	PK
4874	33.78	0.64	34.42	54.00	-19.58	Н	AV
7311	43.59	4.99	48.58	74.00	-25.42	Н	PK
7311	31.55	4.99	36.54	54.00	-17.46	Н	AV
4874	55.59	0.64	56.23	74.00	-17.77	V	PK
4874	41.51	0.64	42.15	54.00	-11.85	V	AV
7311	43.31	4.93	48.24	74.00	-25.76	V	PK
7311	31.47	4.99	36.46	54.00	-17.54	V	AV
			High Chann	el-2462MHz			
4924	47.17	0.71	47.88	74.00	-26.12	Н	PK
4924	34.12	0.71	34.83	54.00	-19.17	Н	AV
7386	43.81	4.93	48.74	74.00	-25.26	Н	PK
7386	31.53	4.99	36.52	54.00	-17.48	Н	AV
4924	53.51	0.71	54.22	74.00	-19.78	V	PK
4924	41.32	0.71	42.03	54.00	-11.97	V	AV
7386	45.11	4.93	50.04	74.00	-23.96	V	PK
7386	31.50	4.93	36.43	54.00	-17.57	V	AV

Test Mode: 802.11n-HT20

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
			Low Chann	el-2412MHz			
4824	45.99	0.57	46.56	74.00	-27.44	Н	PK
4824	33.37	0.57	33.94	54.00	-20.06	Н	AV
7236	44.08	4.99	49.07	74.00	-24.93	Н	PK
7236	31.61	4.99	36.60	54.00	-17.40	Н	AV
4824	50.71	0.57	51.28	74.00	-22.72	V	PK
4824	38.61	0.57	39.18	54.00	-14.82	V	AV
7236	43.79	4.99	48.78	74.00	-25.22	V	PK
7236	31.42	4.99	36.41	54.00	-17.59	V	AV
			Middle Chan	nel-2437MHz			
4874	46.10	0.64	46.74	74.00	-27.26	Н	PK
4874	33.75	0.64	34.39	54.00	-19.61	Н	AV
7311	44.48	4.86	49.34	74.00	-24.66	Н	PK
7311	31.40	4.99	36.39	54.00	-17.61	Н	AV
4874	54.88	0.64	55.52	74.00	-18.48	V	PK
4874	41.52	0.64	42.16	54.00	-11.84	V	AV
7311	43.59	4.93	48.52	74.00	-25.48	V	PK
7311	31.46	4.99	36.45	54.00	-17.55	V	AV
			High Chann	el-2462MHz			
4924	45.62	0.71	46.33	74.00	-27.67	Н	PK
4924	33.30	0.71	34.01	54.00	-19.99	Н	AV
7386	44.06	4.99	49.05	74.00	-24.95	Н	PK
7386	31.53	4.99	36.52	54.00	-17.48	Н	AV
4924	54.82	0.71	55.53	74.00	-18.47	V	PK
4924	40.81	0.71	41.52	54.00	-12.48	V	AV
7386	44.01	3.82	47.83	74.00	-26.17	V	PK
7386	31.48	4.93	36.41	54.00	-17.59	V	AV

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 3<sup>th</sup> Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

REPORT NO.: STR13058363I-1 PAGE 56 OF 73 FCC PART 15.247

#### 8. Out of Band Emissions

## 8.1 Standard Applicable

According to §15.247 (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Model: U25GT

#### 8.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	R&S	FSP	836079/035	2013-05-07	2014-05-06
EMI Test Receiver	R&S	ESVB	825471/005	2013-05-07	2014-05-06
Pre-amplifier	Agilent	8447F	3113A06717	2013-05-07	2014-05-06
Pre-amplifier	Compliance Direction	PAP-0118	24002	2013-05-07	2014-05-06
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2013-04-20	2014-04-19
Horn Antenna	ETS	3117	00086197	2013-04-20	2014-04-19

#### 8.3 Test Procedure

According to the KDB 558074 D01 V02, the band-edge radiated test method as follows:

Set span = wide enough to capture the peak level of the emission operating on the channel closest to the bandedge, as well as any modulation products which fall outside of the authorized band of operation (2310MHz to 2420MHz for low bandedge, 2460MHz to 2500MHz for the high bandedge)

RBW = 1MHz, VBW = 1MHz for peak value measured

RBW = 1MHz, VBW = 10Hz for average value measured

Sweep = auto; Detector function = peak/average; Trace = max hold

All the trace to stabilize, set the marker on the emission at the bandedge, or on the highest modulation porduct outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission. Those emission must comply with the 15.209 limit for fall in the restricted bands listed in section 15.205. Note that the method of measurement KDB publication number: 913591 may be used for the radiated bandedge measurements.

REPORT NO.: STR13058363I-1 PAGE 57 OF 73 FCC PART 15.247

Model: U25GT

According to the KDB 558074 D01 V02, the conducted spurious emissions test method as follows:

- 1. Set start frequency to DTS channel edge frequency.
- 2. Set stop frequency so as to encompass the spectrum to be examined.
- 3. Set RBW = 100 kHz.
- 4. Set VBW  $\geq$  300 kHz.
- 5. Detector = peak.
- 6. Trace Mode =  $\max$  hold.
- 7. Sweep = auto couple.
- 8. Allow the trace to stabilize (this may take some time, depending on the extent of the span).
- 9. Use peak marker function to determine maximum amplitude of all unwanted emissions within any 100 kHz bandwidth.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in section 8.1. Report the three highest emissions relative to the limit.

#### **8.4 Environmental Conditions**

Temperature:	23°C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

#### 8.5 Summary of Test Results/Plots

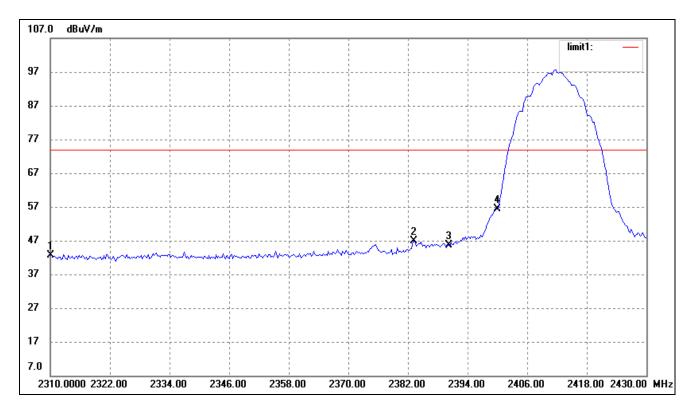
Test Mode	Test Frequency MHz	Limit dBuV / dBc	Result
	2390.00	<54 dBuV	Pass
802.11b	2400.00	<54 dBuV	Pass
	2483.50	<54 dBuV	Pass
	2390.00	<54 dBuV	Pass
802.11g	2400.00	<54 dBuV	Pass
	2483.50	<54 dBuV	Pass
	2390.00	<54 dBuV	Pass
802.11n-HT20	2400.00	<54 dBuV	Pass
	2483.50	<54 dBuV	Pass

The edge emissions are below the FCC 15.209 Limits or complies with the 15.247(d) requirements.

Please refer to the test plots as below.

REPORT NO.: STR13058363I-1 PAGE 58 OF 73 FCC PART 15.247

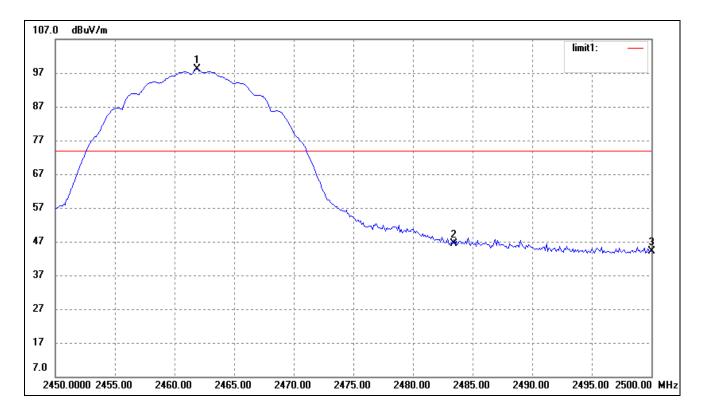
# 802.11b-Lowest Bandedge



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	28.90	-3.71	25.19	54.00	-28.81	Average Detector
	2310.000	46.31	-3.71	42.60	74.00	-31.40	Peak Detector
2	2383.200	39.94	-3.57	36.37	54.00	-17.63	Average Detector
	2383.200	50.45	-3.56	46.89	74.00	-27.11	Peak Detector
3	2390.000	35.17	-3.54	31.63	54.00	-22.37	Average Detector
	2390.000	49.29	-3.54	45.75	74.00	-28.25	Peak Detector
4	2400.000	47.94	-3.51	44.43	54.00	-9.57	Average Detector
	2400.000	59.96	-3.51	56.45	74.00	-17.55	Peak Detector

REPORT NO.: STR13058363I-1 PAGE 59 OF 73 FCC PART 15.247

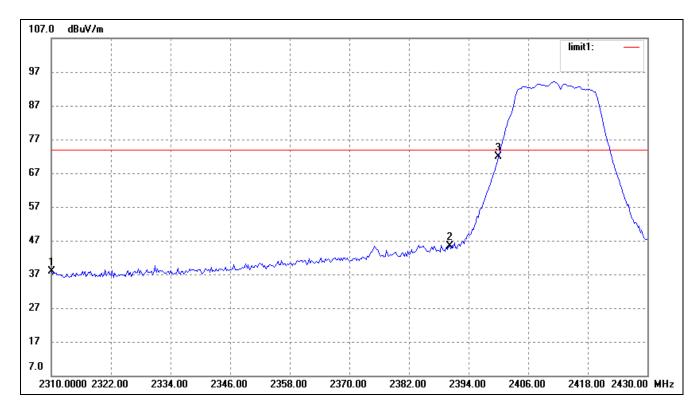
# 802.11b-Highest Bandedge



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.908	94.84	-3.37	91.47	/	/	Average Detector
	2461.908	101.54	-3.37	98.17	/	/	Peak Detector
2	2483.500	Delta = 55.66dBc		35.81	54.00	-18.19	Average Detector
	2483.500	Della – 3.	3.00ubc	42.51	74.00	-31.49	Peak Detector
3	2500.000	36.38	-3.28	33.10	54.00	-20.90	Average Detector
	2500.000	47.45	-3.28	44.17	74.00	-29.83	Peak Detector

REPORT NO.: STR13058363I-1 PAGE 60 OF 73 FCC PART 15.247

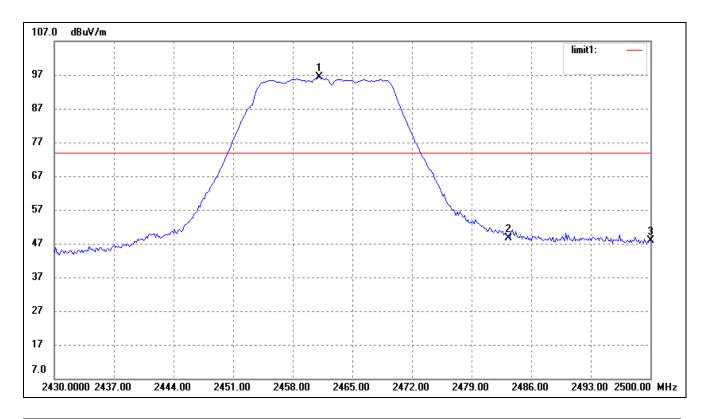
# 802.11g-Lowest Bandedge



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	29.25	-3.71	25.54	54.00	-28.46	Average Detector
	2310.000	41.59	-3.71	37.88	74.00	-36.12	Peak Detector
2	2390.000	36.80	-3.54	33.26	54.00	-20.74	Average Detector
	2390.000	48.97	-3.54	45.43	74.00	-28.57	Peak Detector
3	2400.000	51.09	-3.51	47.58	54.00	-6.42	Average Detector
	2400.000	75.49	-3.51	71.98	74.00	-2.02	Peak Detector

REPORT NO.: STR13058363I-1 PAGE 61 OF 73 FCC PART 15.247

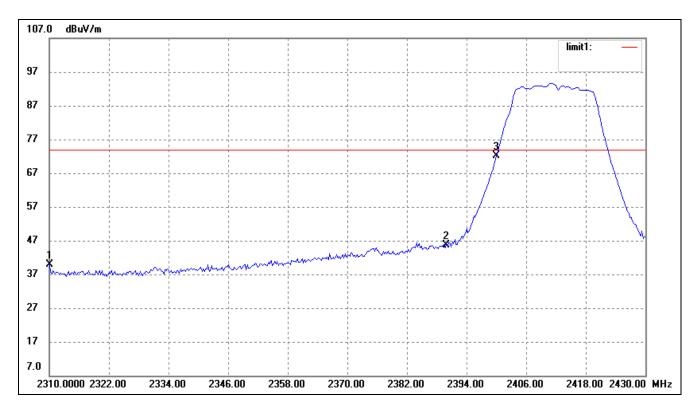
# 802.11g-Highest Bandedge



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.114	90.12	-3.37	86.75	/	/	Average Detector
	2461.114	99.63	-3.37	96.26	/	/	Peak Detector
2	2483.500	Delta = 51.20dBc		35.55	54.00	-18.45	Average Detector
	2483.500	Della – 3	1.20ubc	45.06	74.00	-28.94	Peak Detector
3	2500.000	38.78	-3.28	35.50	54.00	-18.50	Average Detector
	2500.000	51.21	-3.28	47.93	74.00	-26.07	Peak Detector

REPORT NO.: STR13058363I-1 PAGE 62 OF 73 FCC PART 15.247

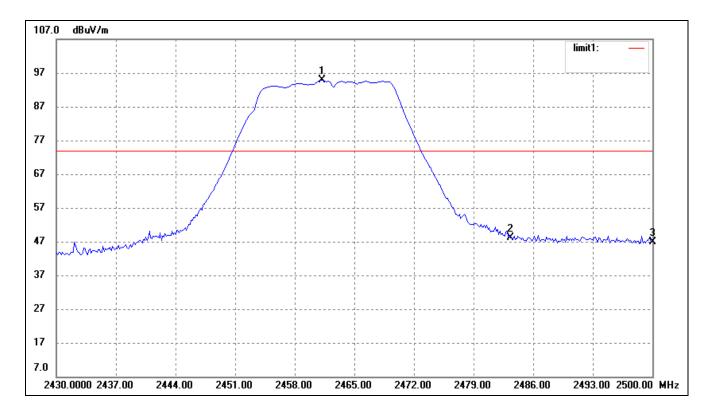
# 802.11n-HT20-Lowest Bandedge



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2310.000	29.32	-3.71	25.61	54.00	-28.39	Average Detector
	2310.000	43.65	-3.71	39.94	74.00	-34.06	Peak Detector
2	2390.000	37.01	-3.54	33.47	54.00	-20.53	Average Detector
	2390.000	49.07	-3.54	45.53	74.00	-28.47	Peak Detector
3	2400.000	51.39	-3.51	47.88	54.00	-6.12	Average Detector
	2400.000	75.56	-3.51	72.05	74.00	-1.95	Peak Detector

REPORT NO.: STR13058363I-1 PAGE 63 OF 73 FCC PART 15.247

# 802.11n-HT20-Highest Bandedge

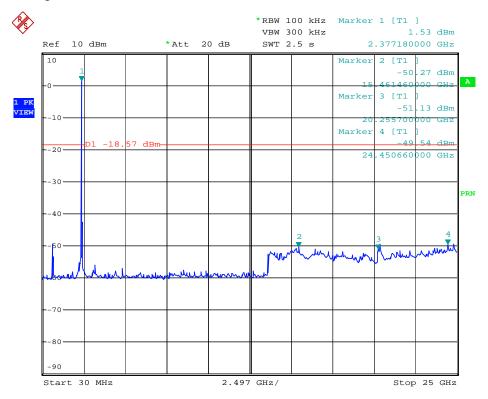


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.254	89.83	-3.37	86.46	/	/	Average Detector
	2461.254	98.26	-3.37	94.89	/	/	Peak Detector
2	2483.500	Delta = 51.52dBc		34.94	54.00	-19.06	Average Detector
	2483.500	Della – 3	1.32ubc	43.37	74.00	-30.63	Peak Detector
3	2500.000	38.85	-3.28	35.57	54.00	-18.43	Average Detector
	2500.000	50.19	-3.28	46.91	74.00	-27.09	Peak Detector

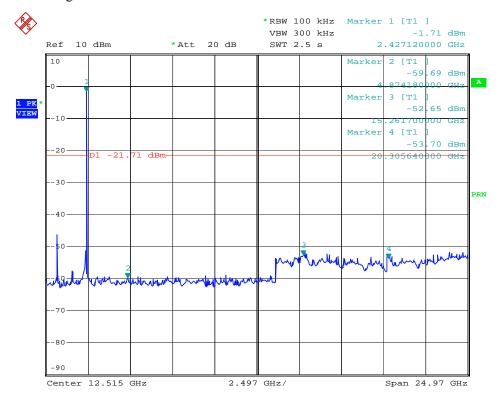
REPORT NO.: STR13058363I-1 PAGE 64 OF 73 FCC PART 15.247

## **Conducted Spurious Emissions**

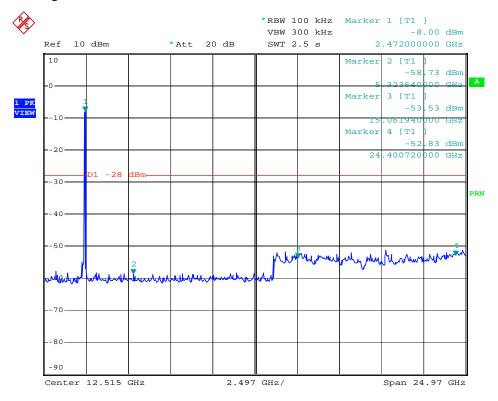
802.11b-Low Bandedge



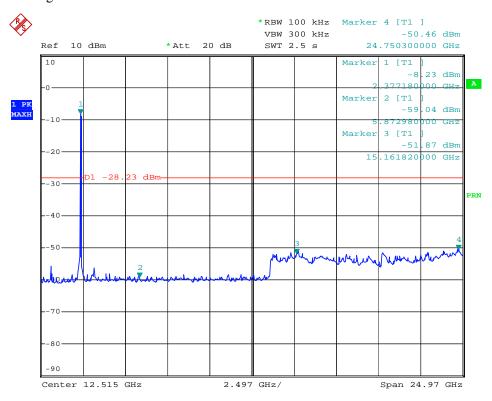
## 802.11b-Middle Bandedge



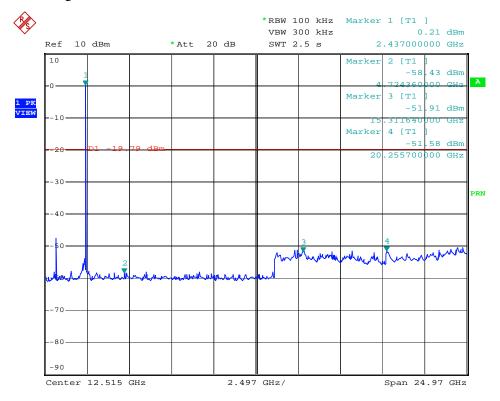
#### 802.11b High-Bandedge



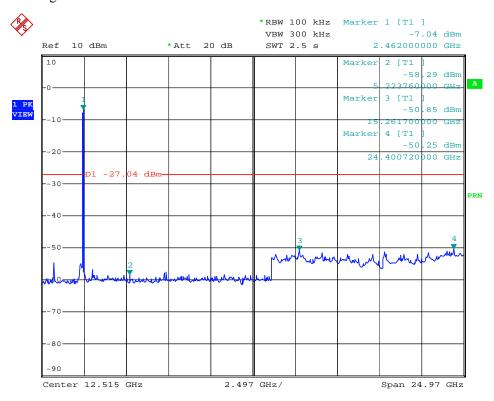
## 802.11g Low-Bandedge



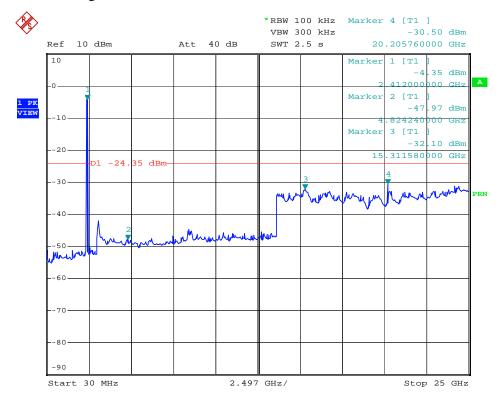
## 802.11g-Middle Bandedge



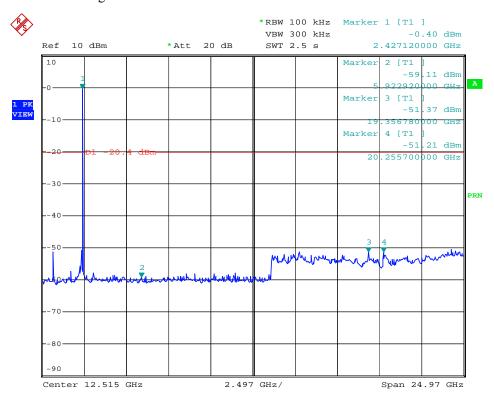
## 802.11g-High Bandedge



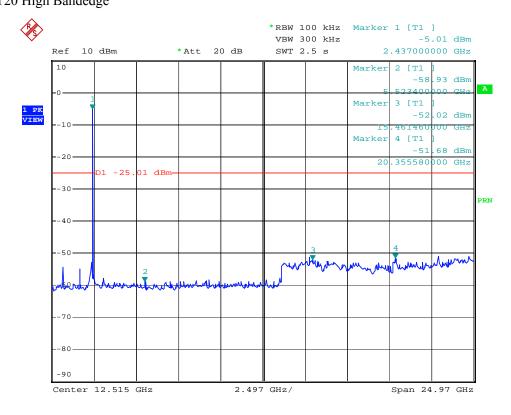
#### 802.11n-HT20 Low Bandedge



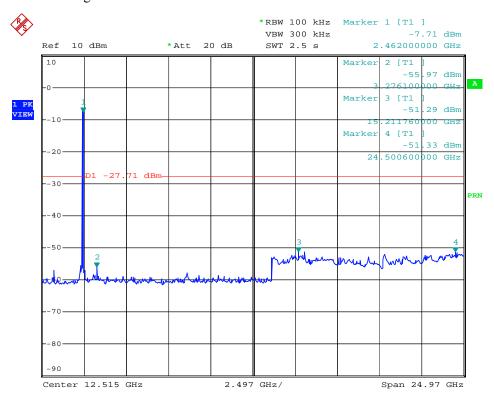
## 802.11n-HT20 Middle Bandedge



# 802.11n-HT20 High Bandedge



#### 802.11n-HT40 Low Bandedge



## 9. Conducted Emissions

## 9.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is  $\pm 2.88$  dB.

#### 9.2 Test Equipment List and Details

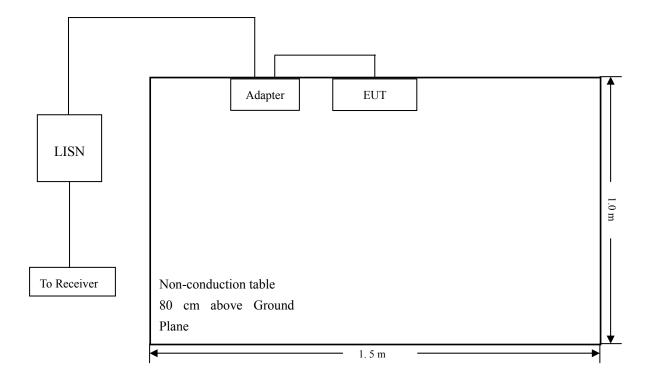
Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2013-05-07	2014-05-06
L.I.S.N	Schwarz beck	NSLK8126	8126-224	2013-05-07	2014-05-06
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2013-05-07	2014-05-06

#### 9.3 Test Procedure

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

## 9.4 Basic Test Setup Block Diagram



REPORT NO.: STR13058363I-1 PAGE 70 OF 73 FCC PART 15.247

#### 9.5 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1012 mbar

## 9.6 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

Start Frequency	. 150 kHz
Stop Frequency	
Sweep Speed	
IF Bandwidth	. 10 kHz
Quasi-Peak Adapter Bandwidth	.9 kHz
Quasi-Peak Adapter Mode	. Normal

## 9.7 Summary of Test Results/Plots

According to the data in section 9.8, the EUT <u>complied with the FCC Part 15.207</u> Conducted margin for a Class B device, with the *worst* margin reading of:

-7.37 dB at 0.202MHz in the Live mode, Max peak detector, 0.15-30MHz

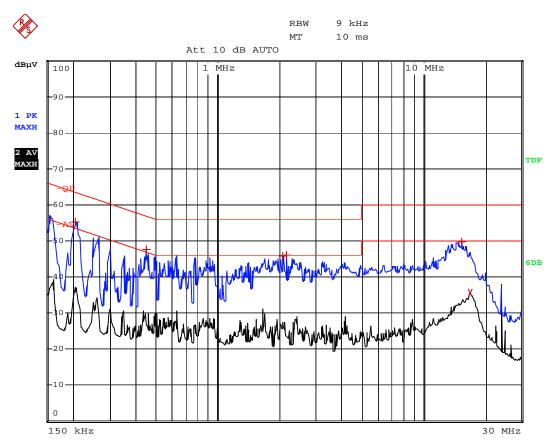
## 9.8 Conducted Emissions Test Data

#### **Plot of Conducted Emissions Test Data**

EUT: Tablet PC
Tested Model: U25GT

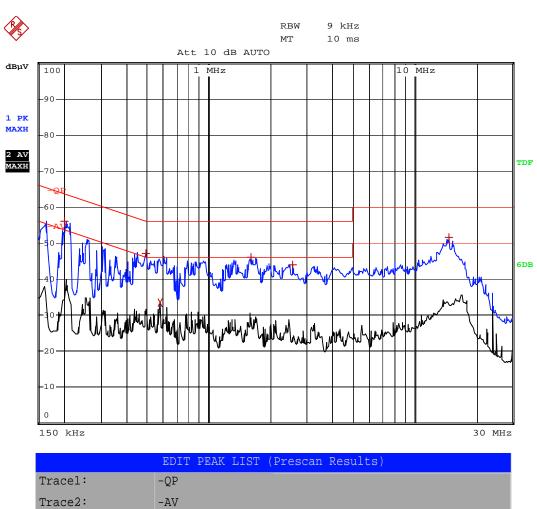
Operating Condition: Charging and Transmitting
Comment: AC 120V/60Hz, USB 5V

Test Specification: Neutral



EDIT PEAK LIST (Prescan Results)							
Trace1: -QP							
Trace2: -AV							
Trace3:							
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB				
1 Max Peak	206 kHz	55.37	-7.98				
1 Max Peak	446 kHz	47.72	-9.22				
1 Max Peak	2.07 MHz	45.89	-10.10				
1 Max Peak	2.162 MHz	46.15	-9.84				
1 Max Peak	15.442 MHz	49.61	-10.39				
2 Average	16.866 MHz	35.68	-14.31				

Test Specification: Live



EDIT PEAK LIST (Prescan Results)							
Tracel: -QP							
Trace2: -AV							
Trace3:							
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB				
1 Max Peak	202 kHz	56.14	-7.37				
1 Max Peak	494 kHz	47.20	-8.89				
2 Average	578 kHz	33.51	-12.48				
1 Max Peak	1.598 MHz	45.95	-10.04				
1 Max Peak	2.55 MHz	43.96	-12.03				
1 Max Peak	14.742 MHz	51.68	-8.31				

#### \*\*\*\*\* END OF REPORT \*\*\*\*\*