


Prüfbericht-Nr.: <i>Test Report No.:</i>	50080611 002	Auftrags-Nr.: <i>Order No.:</i>	164090091	Seite 1 von 128 <i>Page 1 of 128</i>	
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	07.04.2017		
Auftraggeber: <i>Client:</i>	Lightcomm Technology Co., Ltd. RM 1808 18F, FO TAN INDUSTRIAL CENTRE, NOS. 26-28 AU PUI WAN STREET, FO TAN SHATIN NEW TERRITORIES, HONGKONG				
Prüfgegenstand: <i>Test item:</i>	Insignia Flex Android 10" Tablet				
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-P10A8100, NS-P10A8100-C, xxxxxxP10Axxxxxxxx, MID1023-MA				
Auftrags-Inhalt: <i>Order content:</i>	FCC/IC Certification				
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-247 Issue 1 May 2015 RSS-Gen Issue 4 November 2014				
Wareneingangsdatum: <i>Date of receipt:</i>	07.04.2017				
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000526117-004 ~ 008				
Prüfzeitraum: <i>Testing period:</i>	12.04.2017 - 09.05.2017				
Ort der Prüfung: <i>Place of testing:</i>	Shenzhen EMTEK Co., Ltd.				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von / tested by:			kontrolliert von / reviewed by:		
09.06.2017	Andy Yan/Project Manager		09.06.2017	Owen Tian/Technical Certifier	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>
Sonstiges / Other:	FCC ID: XMF-P10A8100 IC: 20064-P10A8100				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>				
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet	5 = mangelhaft
Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested	5 = poor
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>					

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 PEAK OUTPUT POWER***RESULT: Pass***5.1.3 6dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100kHz BANDWIDTH***RESULT: Pass***5.1.5 POWER SPECTRAL DENSITY***RESULT: Pass***5.1.6 SPURIOUS EMISSION***RESULT: Pass***5.1.7 CONDUCTED EMISSIONS***RESULT: Pass*

CONTENTS

1.	GENERAL REMARKS	4
1.1	COMPLEMENTARY MATERIALS	4
2.	TEST SITES	4
2.1	TEST FACILITIES	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	5
2.3	TRACEABILITY	6
2.4	CALIBRATION	6
2.5	MEASUREMENT UNCERTAINTY.....	6
2.6	LOCATION OF ORIGINAL DATA.....	6
2.7	STATUS OF FACILITY USED FOR TESTING.....	7
3.	GENERAL PRODUCT INFORMATION	8
3.1	PRODUCT FUNCTION AND INTENDED USE.....	8
3.2	RATINGS AND SYSTEM DETAILS	8
3.3	INDEPENDENT OPERATION MODES	9
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	9
3.5	SUBMITTED DOCUMENTS	9
4.	TEST SET-UP AND OPERATION MODES	10
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	10
4.2	TEST OPERATION AND TEST SOFTWARE	10
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	10
4.4	COUNTERMEASURES TO ACHIEVE ERM COMPLIANCE	10
4.5	TEST SETUP DIAGRAM	11
5.	TEST RESULTS	13
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	13
5.1.1	<i>Antenna Requirement</i>	<i>13</i>
5.1.2	<i>Peak Output Power</i>	<i>14</i>
5.1.3	<i>6dB Bandwidth and 99% Bandwidth.....</i>	<i>15</i>
5.1.4	<i>Conducted Spurious Emissions measured in 100kHz Bandwidth</i>	<i>16</i>
5.1.5	<i>Power spectral density</i>	<i>33</i>
5.1.6	<i>Spurious Emission</i>	<i>34</i>
5.1.7	<i>Conducted emissions.....</i>	<i>123</i>
6.	PHOTOGRAPHS OF THE TEST SET-UP	126
7.	LIST OF TABLES	128
8.	LIST OF PHOTOGRAPHS	128

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Shenzhen EMTEK Co., Ltd.

(FCC Registration No.: 709623)

(Test site Industry Canada No.: 4480A-2)

Bldg 69, Majialong Industry Zone, Nanshan District,
Shenzhen, Guangdong, P.R. China

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions				
EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	2017-05-16
Loop Antenna	Schwarzbeck	FMZB 1519	1519-012	2017-05-16
Cable	H+B	3M SF104-26.5	295838/4	2017-05-28
Cable	H+B	6M SF104-26.5	295840/4	2017-05-28
Pre-Amplifier	HP	8447F	2944A07999	2017-05-16
Bilog Antenna	Schwarzbeck	VULB9163	142	2017-05-28
Cable	Schwarzbeck	AK9513	ACRX1	2017-05-16
Cable	Rosenberger	N/A	FP2RX2	2017-05-16
Cable	Schwarzbeck	AK9513	CRPX1	2017-05-28
Cable	Schwarzbeck	AK9513	CRRX2	2017-05-28
Pre-Amplifier	A.H.	PAM-0126	1415261	2017-05-16
Horn Antenna	Schwarzbeck	BBHA 9120	707	2017-05-28
Pre-Amplifier	A.H.	PAM-0126	1415261	2017-05-16
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA91703 99	2017-05-16
EMI Test Receiver	Rohde & Schwarz	FSV40	132.1- 3008K39- 100967-AP	2017-05-16
Pre-Amplifier	Lunar EM	LNA26G40-40	J101313102 8001	2017-05-16
Horn Antenna	AHS/USA	SAS-573	184	2017-05-16
Cable	H+B	0.5M SF104- 26.5	289147/4	2017-05-16
Cable	H+B	3M SF104-26.5	295838/4	2017-05-16
Cable	H+B	6M SF104-26.5	295840/4	2017-05-16
Radio Spectrum Test				
EMI Test Receiver	Rohde & Schwarz	ESCI	101045	2017-05-16
Vector Signal Generater	Agilent	N5182B	My53050553	2017-05-28
Analog Signal Generator	Agilent	N5171B	My53050878	2017-05-28
Signal Analyzer	Agilent	N9010A	My53470879	2017-05-28
Power Meter	Agilent	PS-X10-100	N/A	2017-05-28
Temp. / Humidity Chamber	Kingson	THS-M1	242	2017-05-28
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	828985/018	2017-05-16
L.I.S.N.	Schwarzbeck	NNLK8129	8129203	2017-05-16
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	2017-05-16
Voltage Probe	Rohde & Schwarz	TK9416	N/A	2017-05-16
I.S.N	Rohde & Schwarz	ENY22	1109.9508.02	2017-05-16
50Ω Coaxial Switch	Anritsu	MP59B	M20531	2017-05-16

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
Maximum Peak Output Power Test	$\pm 1.0\text{dB}$
Conducted Emissions Test	$\pm 2.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Power Density	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Band Edge Test	$\pm 3\text{dB}$
All emission, radiated	$\pm 3\text{dB}$
Antenna Port Emission	$\pm 3\text{dB}$
Temperature	$\pm 0.5^\circ\text{C}$
Humidity	$\pm 3\%$

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

Prüfbericht - Nr.: 50080611 002*Test Report No.***Seite 7 von 128***Page 7 of 128*

2.7 Status of Facility Used for Testing

Shenzhen EMTEK Co., Ltd. test facility located at Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUTs are Android 10" tablet with Wi-Fi, Bluetooth function.
 All models are identical except the model name.
 For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Insignia Flex Android 10" Tablet
Type Designation	NS-P10A8100, NS-P10A8100-C, xxxxxxP10Axxxxxxx, MID1023-MA
FCC ID	XMF-P10A8100
IC	20064-P10A8100
Operating Frequency band	2412 – 2462MHz
Extreme Temperature Range	0~+40°C
Operation Voltage	DC 5V (via AC/DC adapter)
Antenna Gain	-0.65dBi

Table 4: Technical Specification of Wi-Fi

Item	Description			
	IEEE 802.11b	IEEE 802.11g	IEEE 802.11n (HT20)	IEEE 802.11n (HT40)
Operating Frequency band (MHz)	2412 ~ 2462	2412 ~ 2462	2412 ~ 2462	2422 ~ 2452
Channel Number	11	11	11	7
Modulation	DSSS (DBPSK, DQPSK), CCK)	OFDM (DBPSK, DQPSK)	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Data Rate (Mbps)	1, 2, 5, 11	6, 9, 12, 18, 24, 36, 48, 54	MCS0 ~ MCS7	MCS0 ~ MCS7
Transmitter Output Power (Typical) (dBm)	17	16	16	16
Media Access Protocol	CSMA/CA with ACK	CSMA/CA with ACK	CSMA/CA with ACK	CSMA/CA with ACK

Table 5: Carrier Frequency

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
2400 – 2483.5 MHz	1	2412 MHz	8	2447 MHz
	2	2417 MHz	9	2452 MHz
	3	2422 MHz	10	2457 MHz
	4	2427 MHz	11	2462 MHz
	5	2432 MHz		
	6	2437 MHz		
	7	2442 MHz		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Wi-Fi mode (2.4GHz)
 - 1. Transmitting
 - a. Low Channel
 - b. Middle Channel
 - c. High Channel
 - 2. Receiving
- B. Standby
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- Constructional Drawing
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	Rating
AC/DC Adapter	Dongguan Aohai Power Technology Co., Ltd	A88-502000	Input: AC 100-240V, 50/60Hz, 0.35A; Output: DC 5V, 2.0A

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains of adapter	2 cores, non-shielded port, 3m	AC Power Input
DC input port (USB port)	2 cores, non-shielded port, 1m	DC Power Input

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

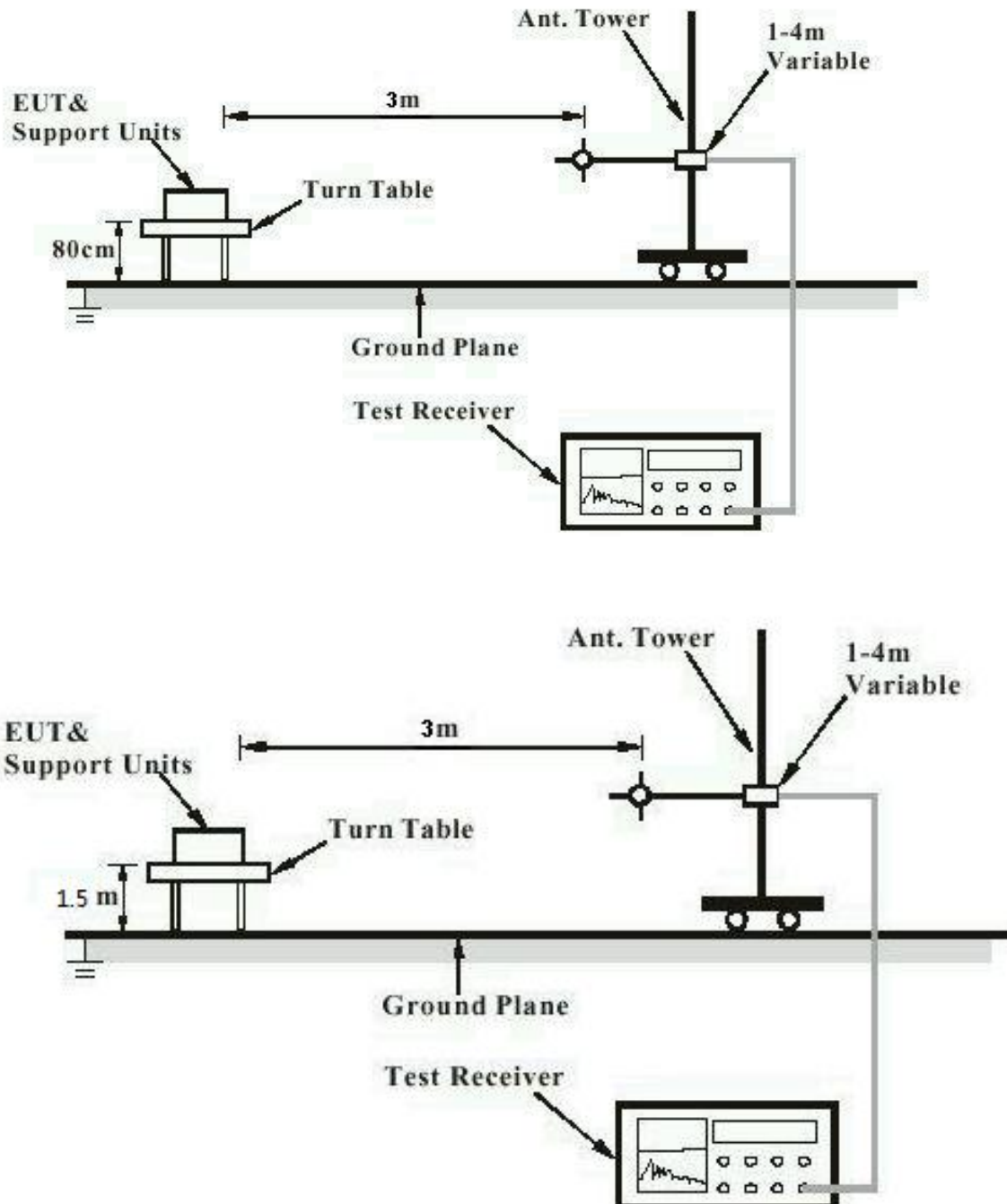


Diagram of Measurement Equipment Configuration for Conduction Measurement

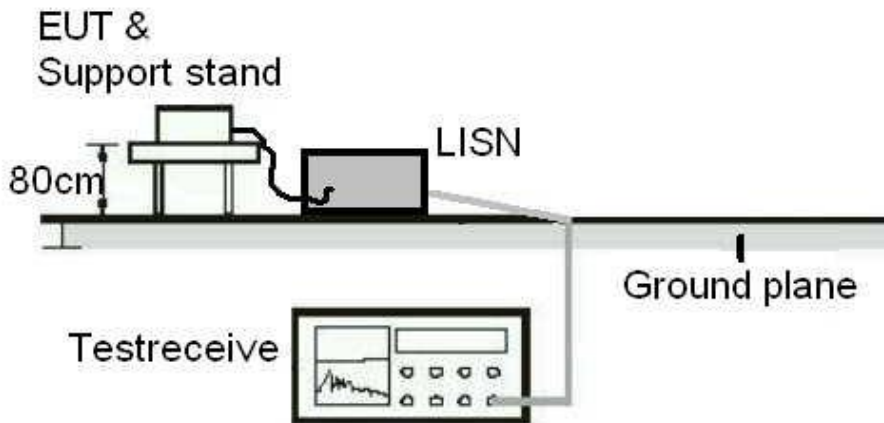
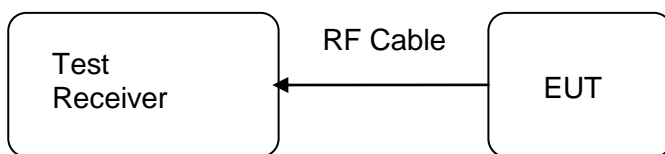


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard : Part 15.203
RSS-Gen Clause 8.3
Limit The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is -0.65dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT:
Pass

Test date : 2017-04-12
 Test standard : FCC Part 15.247(b)(3)
 RSS-247 clause 5.4(4)
 Basic standard : ANSI C63.10: 2013
 Clause 9.1 of KDB 558074 v03r01
 Limit : 1W
 Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1
 Ambient temperature : 25°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Table 6: Test result of Peak Output Power of 802.11b

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2412	16.91	30
Middle Channel	2437	16.14	30
High Channel	2462	16.57	30

Table 7: Test result of Peak Output Power of 802.11g

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2412	15.39	30
Middle Channel	2437	15.73	30
High Channel	2462	15.96	30

Table 8: Test result of Peak Output Power of 802.11n (HT20)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2412	15.06	30
Middle Channel	2437	15.51	30
High Channel	2462	15.78	30

Table 9: Test result of Peak Output Power of 802.11n (HT40)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2422	15.64	30
Middle Channel	2437	15.87	30
High Channel	2452	16.02	30

Prüfbericht - Nr.: 50080611 002
Test Report No.
Seite 15 von 128
Page 15 of 128

5.1.3 6dB Bandwidth and 99% Bandwidth

RESULT:
Pass

Date of testing : 2017-04-12
 Test standard : FCC Part 15.247(a)(2)
 : RSS-247 clause 5.2(1)
 : RSS-Gen clause 6.6
 Basic standard : ANSI C63.10: 2013
 : Clause 8 of KDB 558074 v03r01
 Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1
 Ambient temperature : 25°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Table 10: Test result of 6dB Bandwidth and 99% Bandwidth of 802.11b

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	99% Bandwidth (MHz)
Low Channel	2412	10.06	≥0.5	12.820
Mid Channel	2437	9.613	≥0.5	12.815
High Channel	2462	10.06	≥0.5	12.743

Table 11: Test result of 6dB Bandwidth and 99% Bandwidth of 802.11g

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	99% Bandwidth (MHz)
Low Channel	2412	15.18	≥0.5	16.548
Mid Channel	2437	15.17	≥0.5	16.641
High Channel	2462	15.54	≥0.5	16.588

Table 12: Test result of 6dB Bandwidth and 99% Bandwidth of 802.11n (HT20)

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	99% Bandwidth (MHz)
Low Channel	2412	15.17	≥0.5	17.609
Mid Channel	2437	15.18	≥0.5	17.724
High Channel	2462	15.98	≥0.5	17.692

Table 13: Test result of 6dB Bandwidth and 99% Bandwidth of 802.11n (HT40)

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	99% Bandwidth (MHz)
Low Channel	2422	35.30	≥0.5	36.319
Mid Channel	2437	35.31	≥0.5	36.313
High Channel	2452	35.41	≥0.5	36.300

Prüfbericht - Nr.: 50080611 002

Test Report No.

Seite 16 von 128

Page 16 of 128

5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth**RESULT:****Pass**

Date of testing : 2017-04-12
Test standard : FCC part 15.247(d)
RSS-247 clause 5.5
Basic standard : ANSI C63.10: 2013
Clause 13 of KDB 558074 v03r01
Limit : 20dB (below that in the 100kHz bandwidth within
the band that contains the highest level of the
desired power)
Kind of test site : Shield room

Test setup

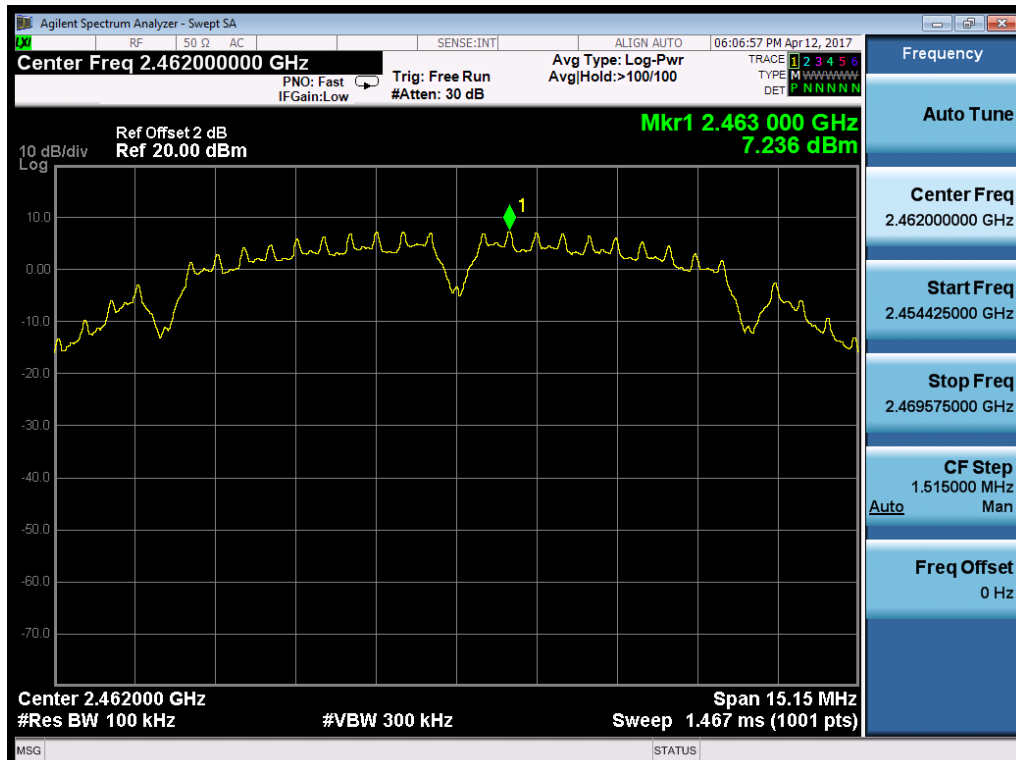
Test Channel : Low/ Middle/ High
Operation mode : A.1
Ambient temperature : 25°C
Relative humidity : 50%
Atmospheric pressure : 101kPa

For details refer to following test plot.

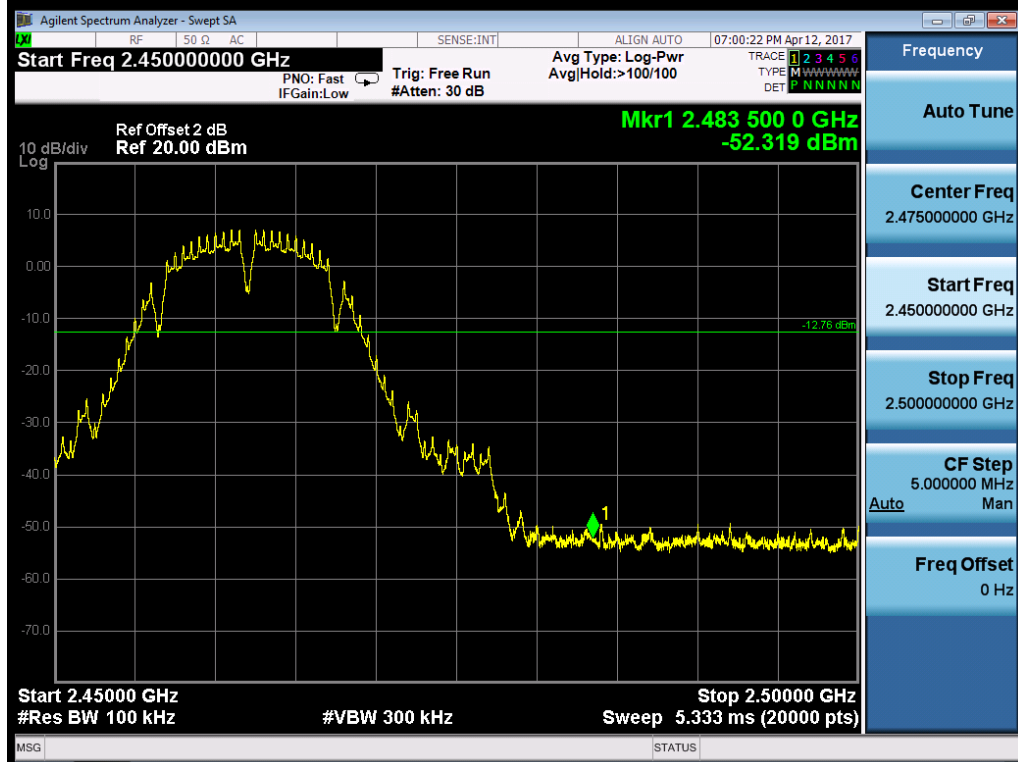
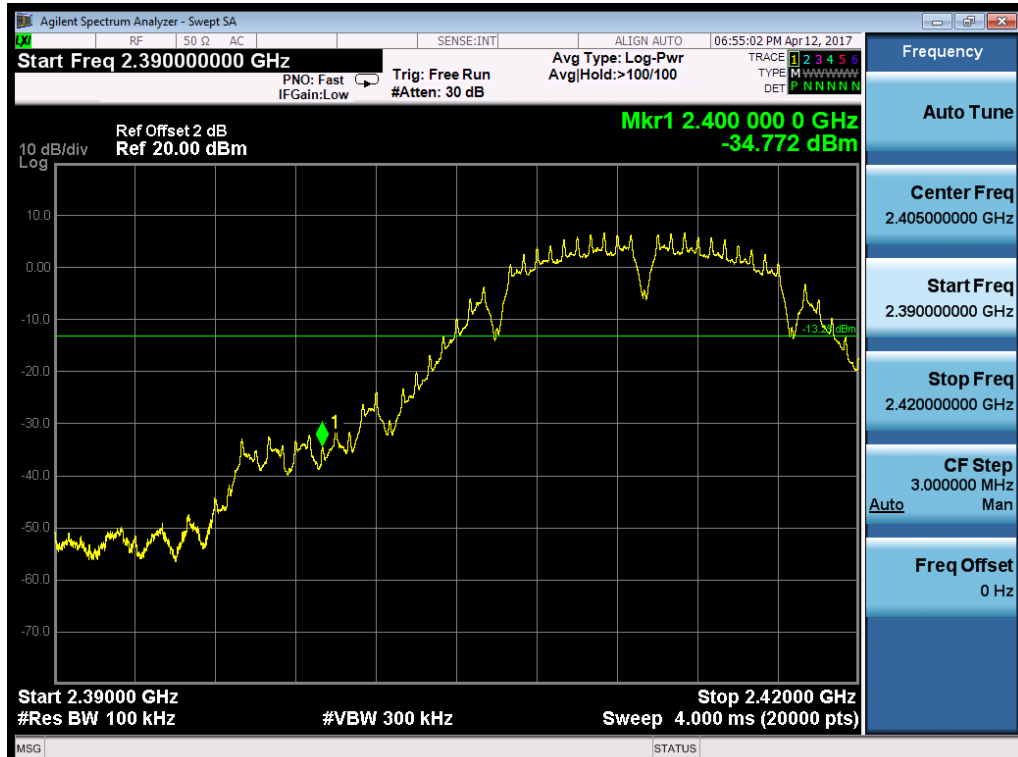
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of 802.11b Low Channel



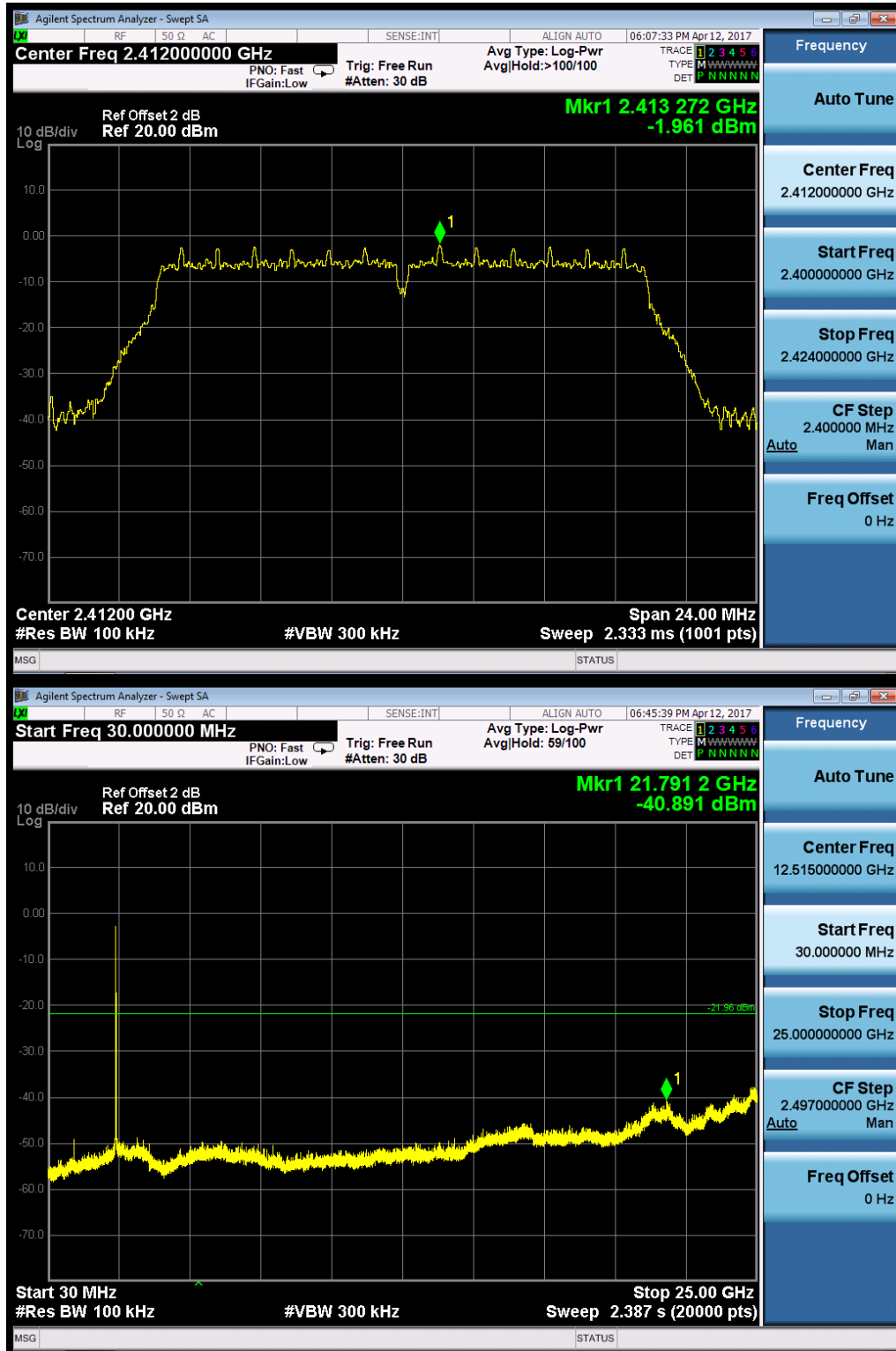
Middle Channel


High Channel


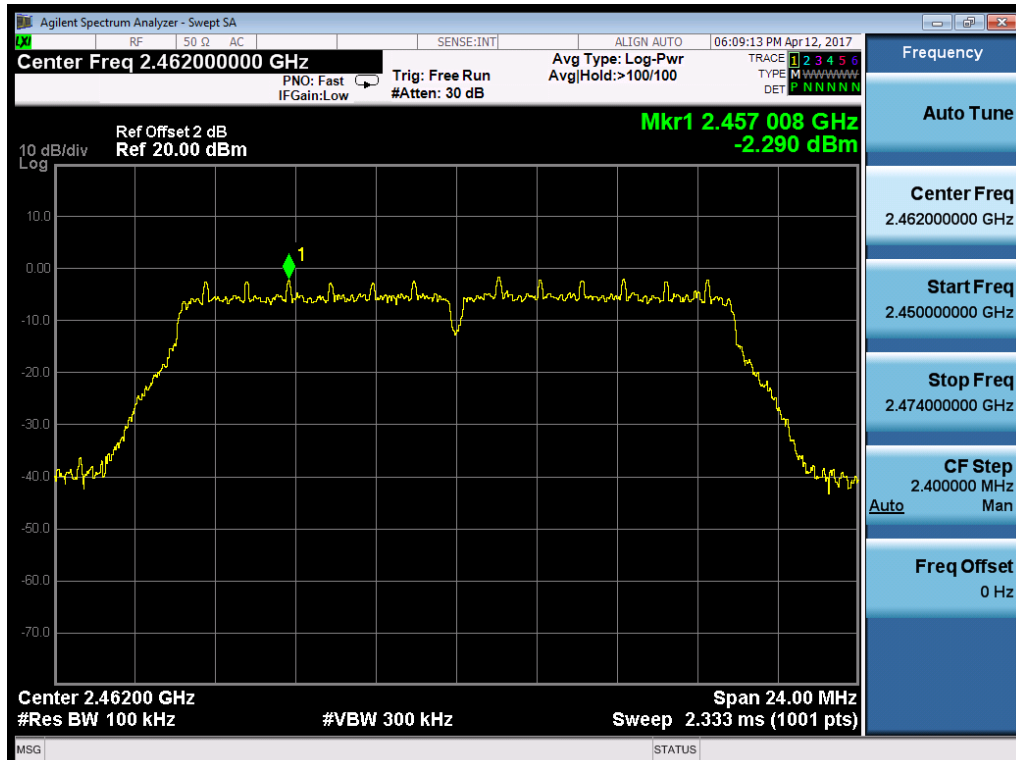
Band Edge

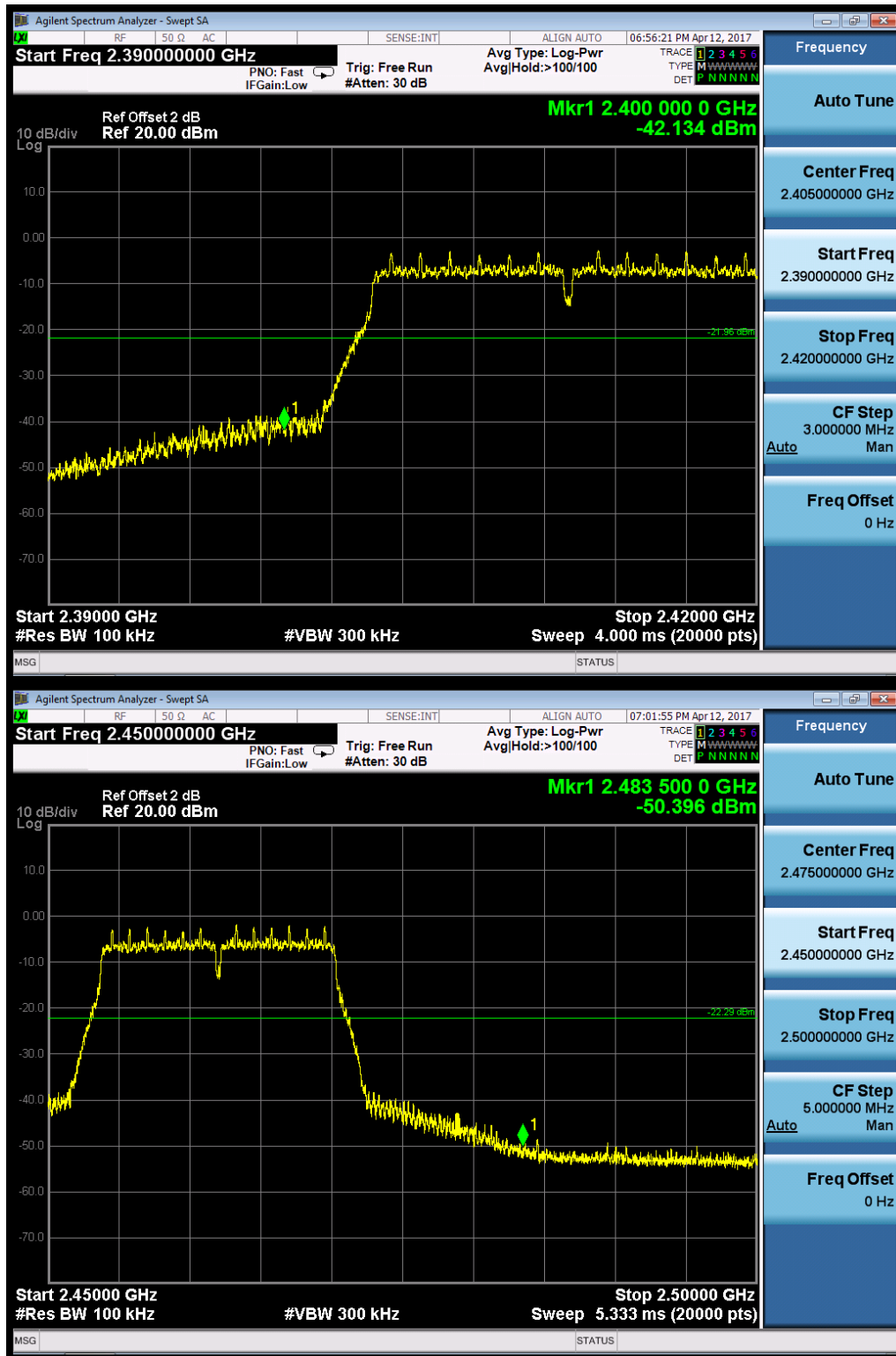


Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of 802.11g Low Channel

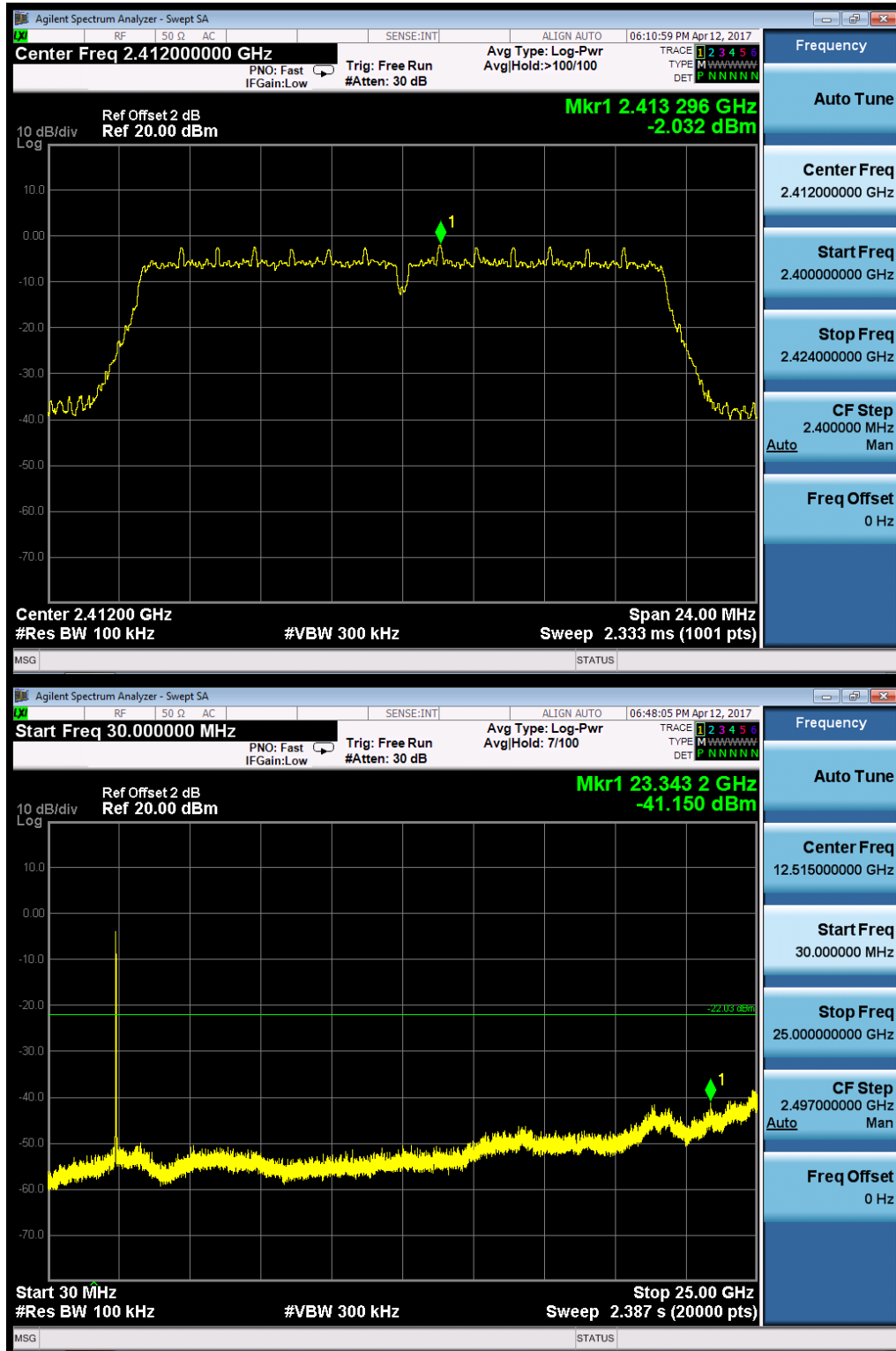


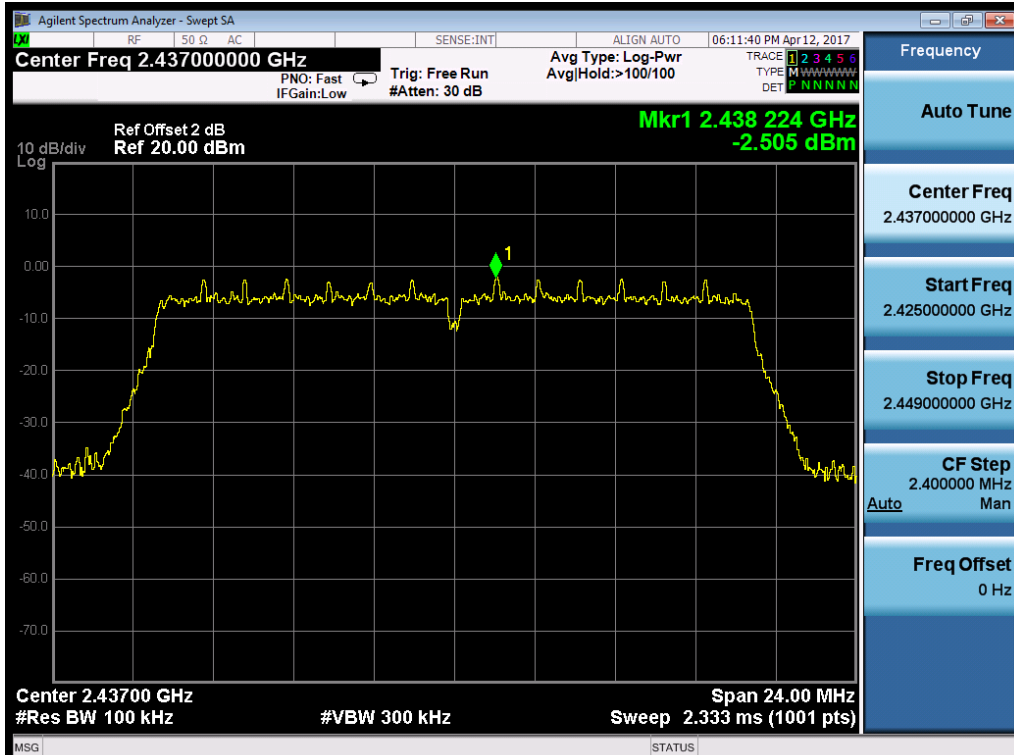
Middle Channel

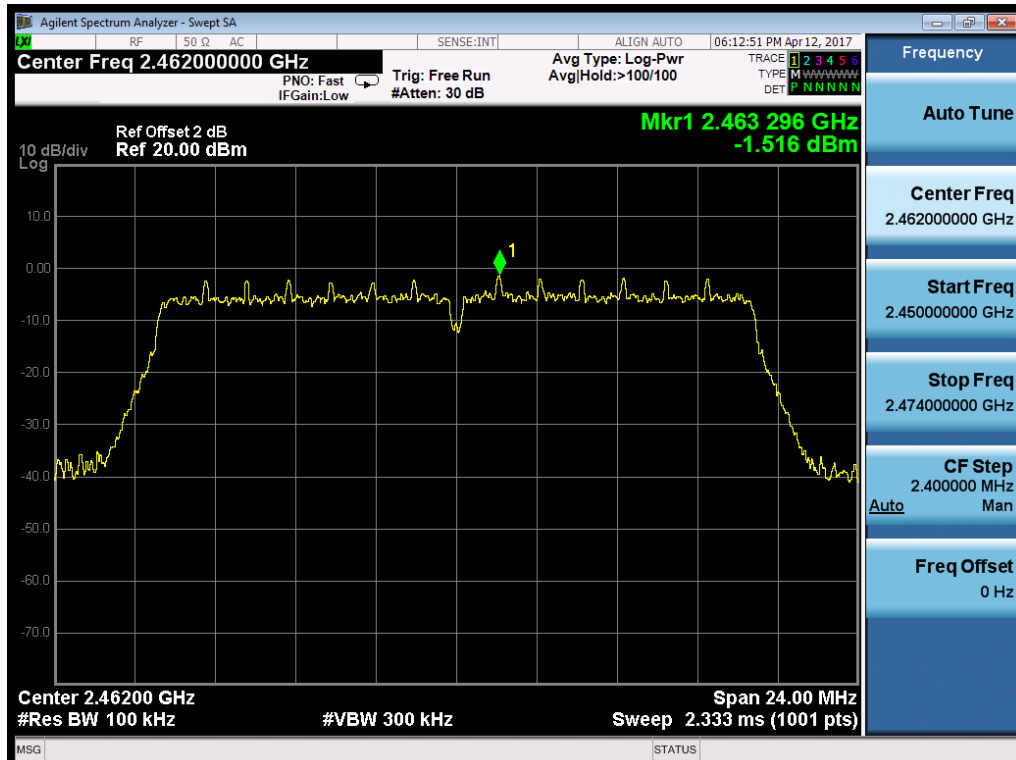

High Channel


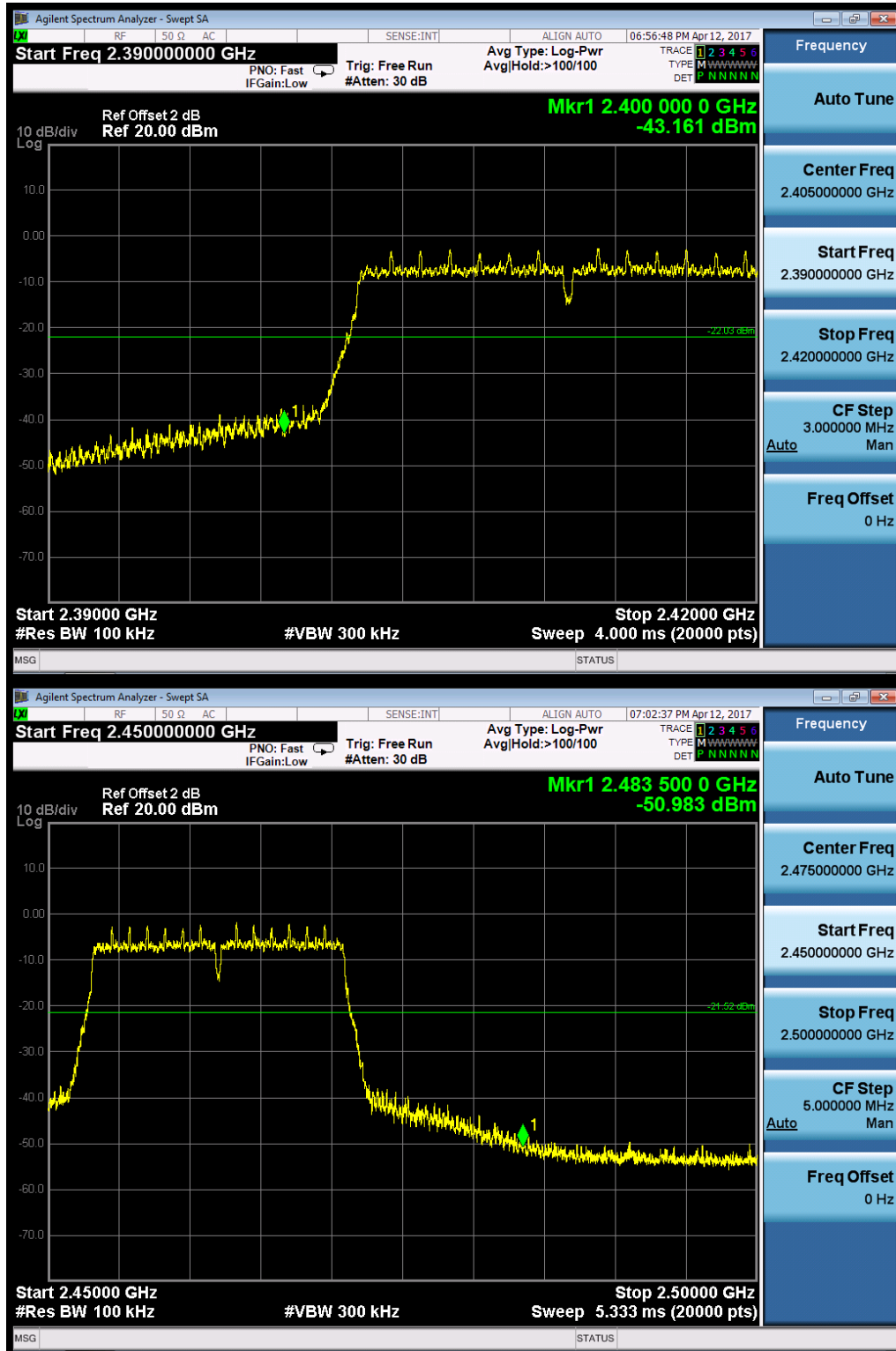
Band Edge


Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of 802.11n (HT20) Low Channel

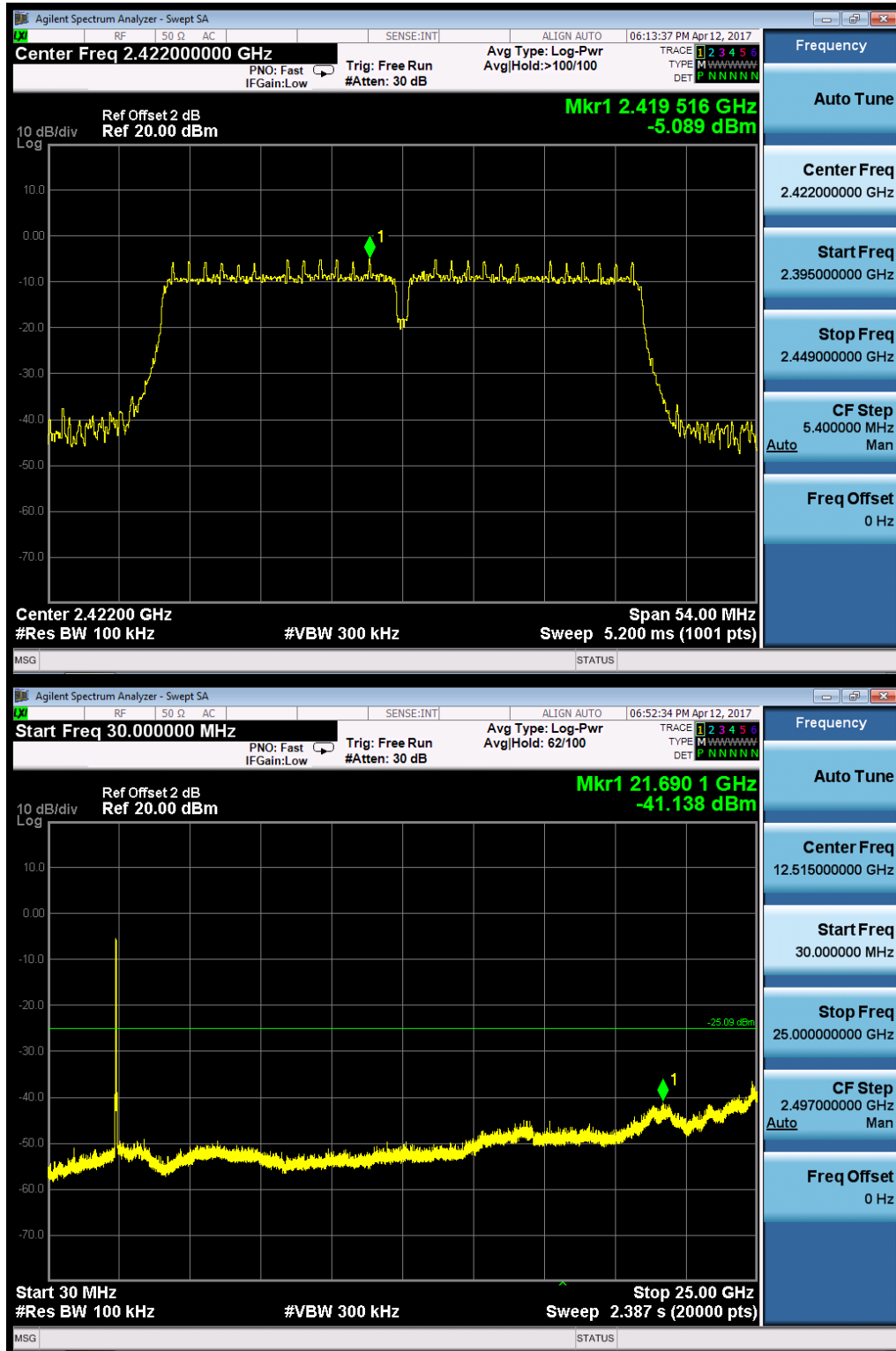


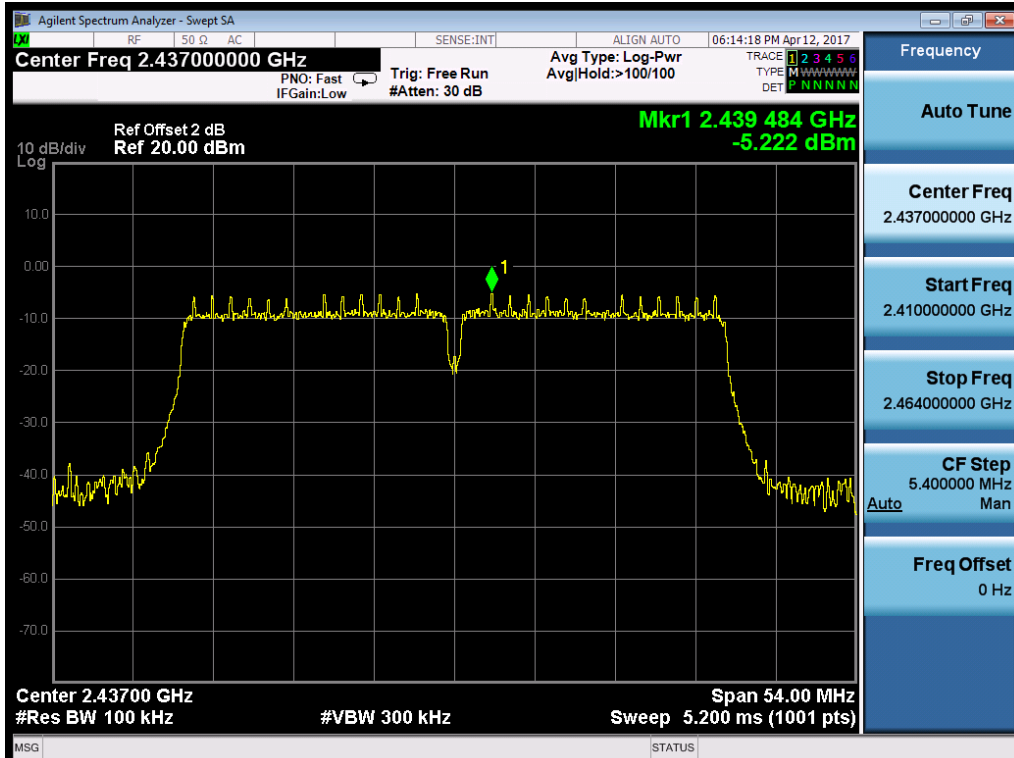
Middle Channel


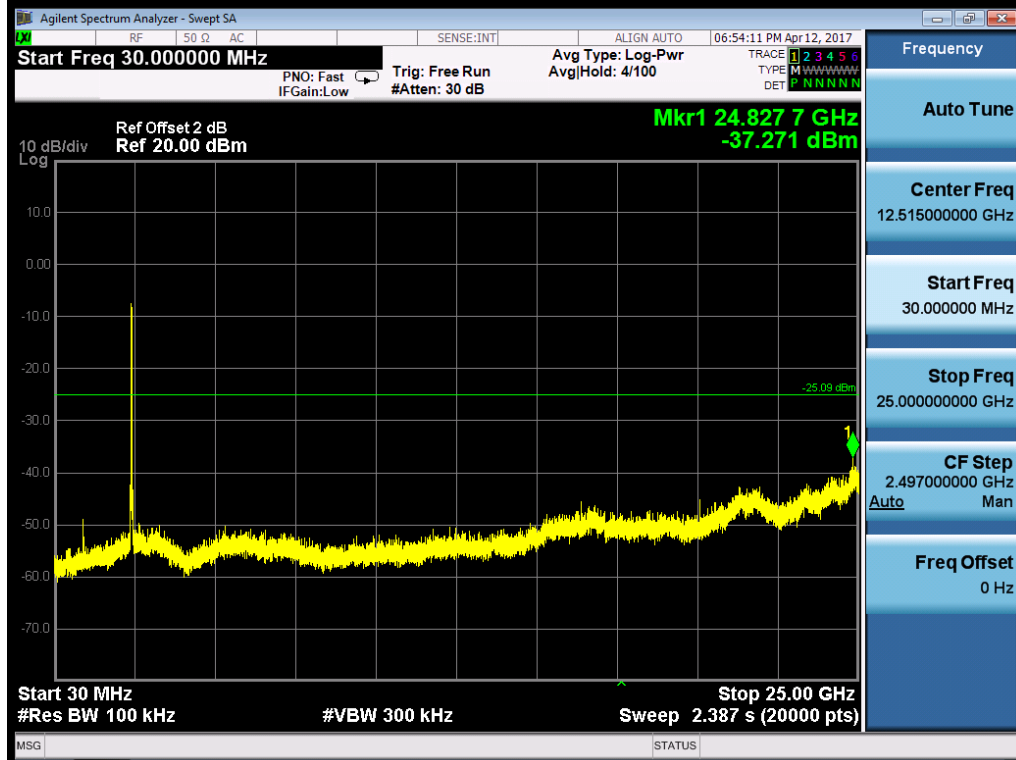
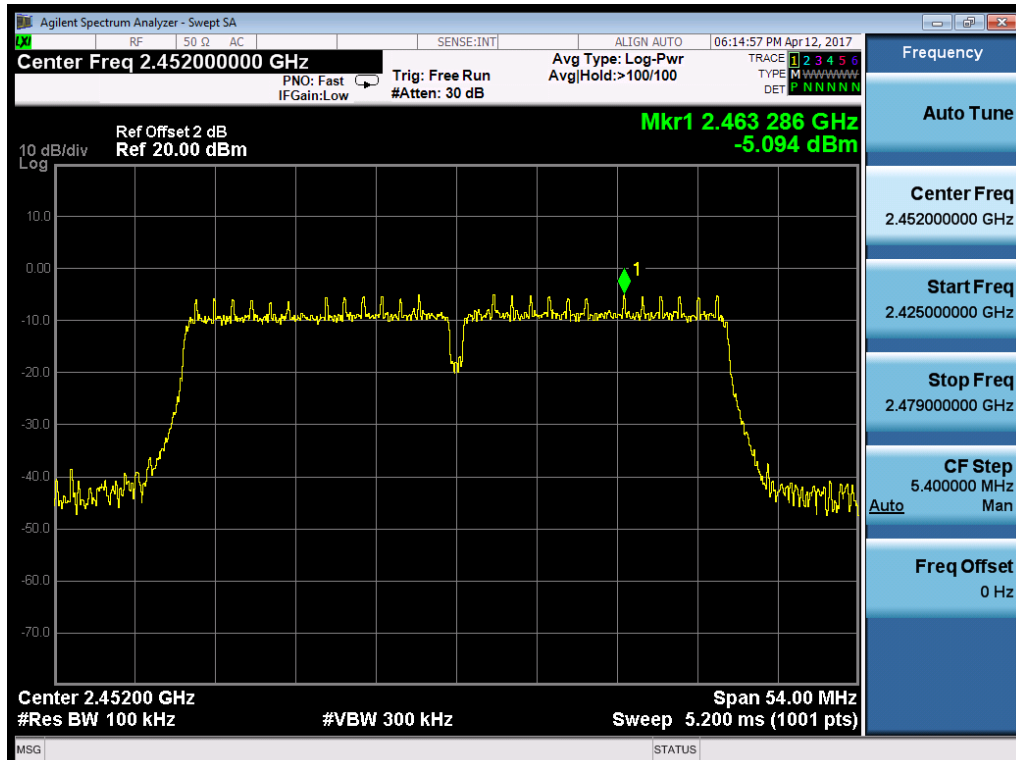
High Channel


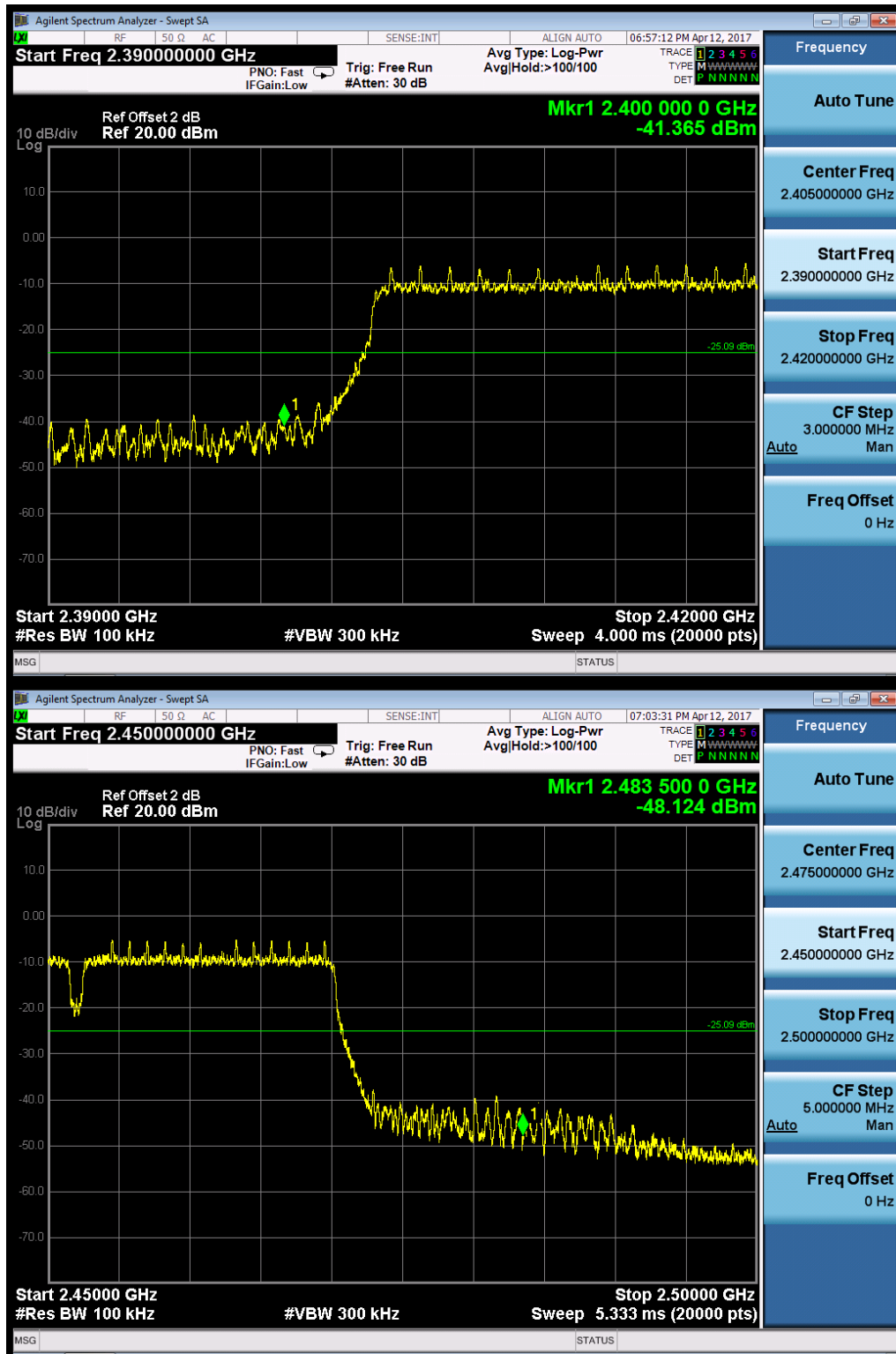
Band Edge


Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of 802.11n (HT40) Low Channel



Middle Channel


High Channel


Band Edge


5.1.5 Power spectral density

RESULT:
Pass

Date of testing : 2017-04-12
 Test standard : FCC part 15.247(e)
 : RSS-247 clause 5.2(2)
 Basic standard : ANSI C63.10: 2013
 : Clause 10 of KDB 558074 v03r01
 Limit : 8dBm/3kHz
 Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
 Operation mode : A.1
 Ambient temperature : 25°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Table 14: Test result of power spectral density:

Mode	Rate (Mbps)	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
802.11b		2412	-7.771	8	Pass
		2437	-6.794	8	Pass
		2462	-7.459	8	Pass
802.11g		2412	-15.935	8	Pass
		2437	-15.898	8	Pass
		2462	-16.004	8	Pass
802.11n (HT20)		2412	-16.456	8	Pass
		2437	-16.284	8	Pass
		2462	-16.200	8	Pass
802.11n (HT40)		2422	-19.450	8	Pass
		2437	-18.476	8	Pass
		2452	-19.664	8	Pass

Prüfbericht - Nr.: 50080611 002
Test Report No.Seite 34 von 128
Page 34 of 128

5.1.6 Spurious Emission

RESULT:**Pass**

Date of testing : 2017-04-20 to 2017-04-22
Test standard : FCC part 15.247(d)
RSS-Gen
Basic standard : ANSI C63.10: 2013
Clause 11 of KDB 558074 v03r01
Limits : FCC part 15.209(a)
Kind of test site : 3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

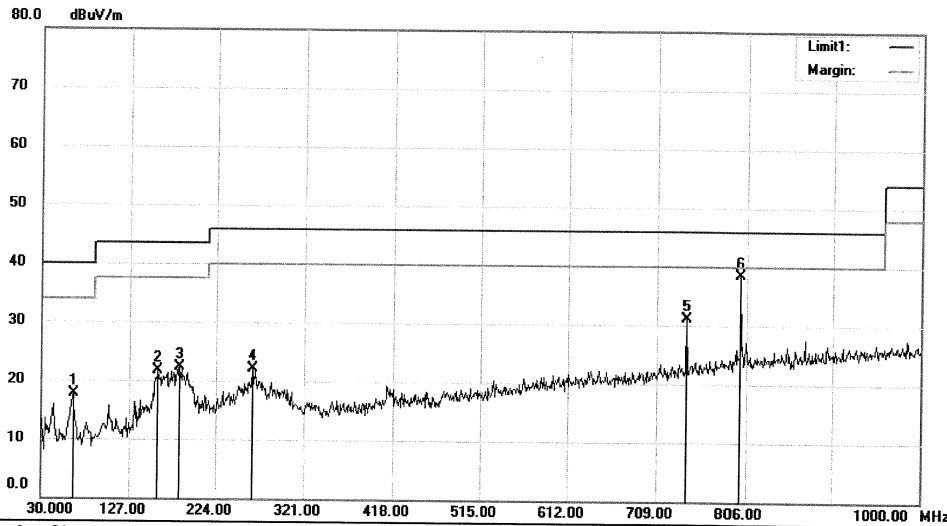
Test Channel : Low/ Middle/ High
Operation mode : A.1
Ambient temperature : 24°C
Relative humidity : 53%
Atmospheric pressure : 101kPa

For details refer to following test plot.

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R. China
 www.emtek.com.cn Tel: +86-755-2695 4280 Fax: +86-755-2695 4282


Radiated Emission Measurement

File :TUV Data :#2202 Date: 2017/04/22 Time:



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode:11b 2412
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		64.9200	35.50	-17.74	17.76	40.00	-22.24	QP		
2		159.0100	40.07	-18.43	21.64	43.50	-21.86	QP		
3		183.2600	39.18	-16.84	22.34	43.50	-21.16	QP		
4		264.7400	35.15	-13.10	22.05	46.00	-23.95	QP		
5		741.9800	34.25	-3.17	31.08	46.00	-14.92	QP		
6	*	799.2100	40.57	-2.03	38.54	46.00	-7.46	QP		

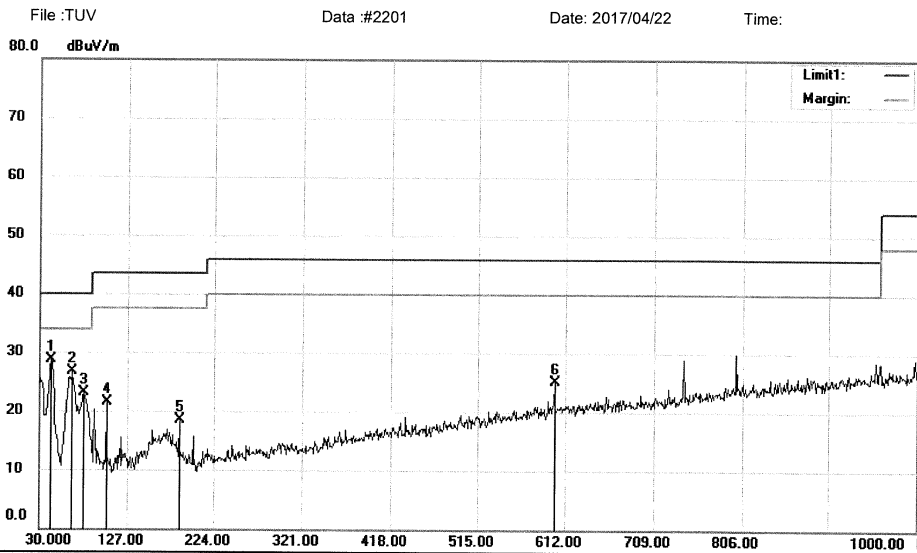
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#2202

Page: 1

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282


Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode:11b 2412
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree		
1	*	42.6100	43.65	-14.94	28.71	40.00	-11.29	QP			
2		65.8900	44.82	-18.15	26.67	40.00	-13.33	QP			
3		78.5000	42.93	-19.87	23.06	40.00	-16.94	QP			
4		103.7200	36.72	-15.28	21.44	43.50	-22.06	QP			
5		185.2000	35.25	-16.84	18.41	43.50	-25.09	QP			
6		600.3600	30.12	-5.05	25.07	46.00	-20.93	QP			

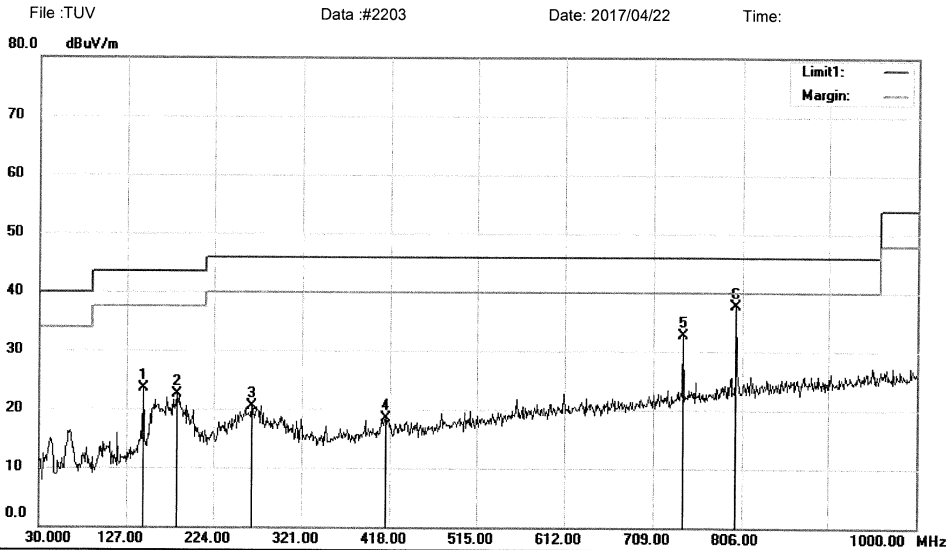
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2201

Page: 1

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel: +86-755-2695 4280 Fax: +86-755-2695 4282


Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode:11b 2437
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		145.4300	42.69	-19.10	23.59	43.50	-19.91	QP		
2		183.2600	39.43	-16.84	22.59	43.50	-20.91	QP		
3		265.7100	33.69	-13.10	20.59	46.00	-25.41	QP		
4		413.1500	27.55	-9.09	18.46	46.00	-27.54	QP		
5		741.9800	35.86	-3.17	32.69	46.00	-13.31	QP		
6	*	799.2100	39.65	-2.03	37.62	46.00	-8.38	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

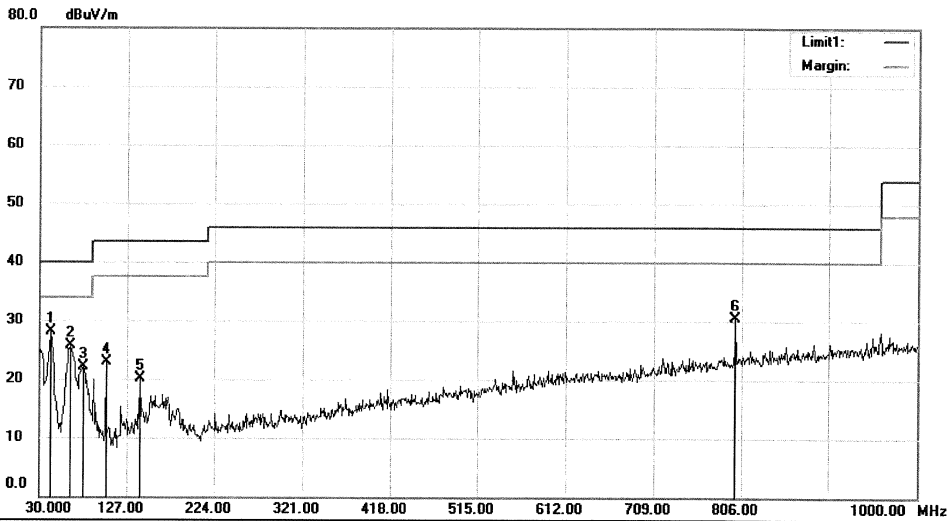
File :TUVData :#2203

Page: 1

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel: +86-755-2695 4280 Fax: +86-755-2695 4282


Radiated Emission Measurement

File : TUV Data : #2204 Date : 2017/04/22 Time :



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode: 11b 2437
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree		
1	*	42.6100	43.02	-14.94	28.08	40.00	-11.92			QP	
2		63.9500	42.97	-17.33	25.64	40.00	-14.36			QP	
3		78.5000	41.96	-19.87	22.09	40.00	-17.91			QP	
4		103.7200	38.09	-15.28	22.81	43.50	-20.69			QP	
5		141.5500	39.17	-19.10	20.07	43.50	-23.43			QP	
6		799.2100	32.45	-2.03	30.42	46.00	-15.58			QP	

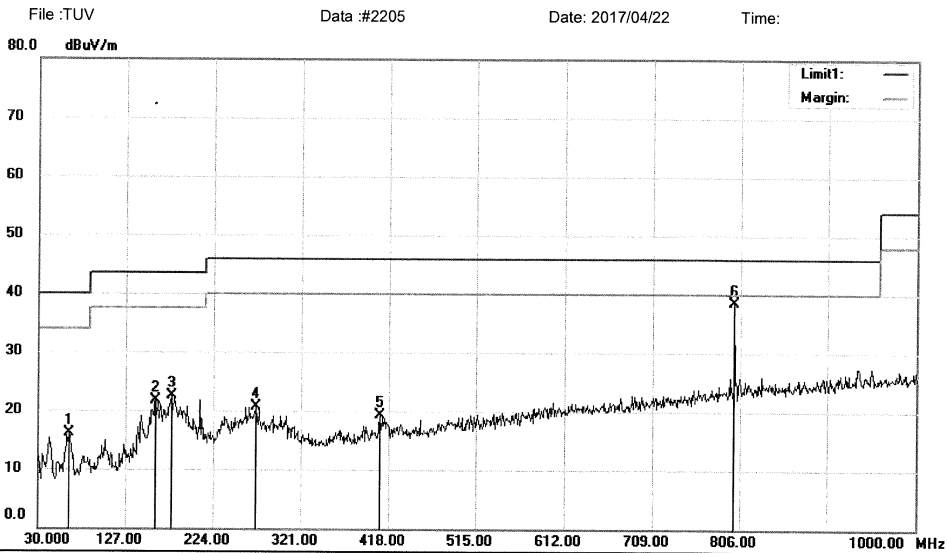
*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV\Data : #2204

Page: 1

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282


Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode:11b 2462
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree		
1		63.9500	33.43	-17.33	16.10	40.00	-23.90			QP	
2		159.9800	40.09	-18.35	21.74	43.50	-21.76			QP	
3		177.4400	39.69	-17.20	22.49	43.50	-21.01			QP	
4		271.5300	33.74	-13.08	20.66	46.00	-25.34			QP	
5		408.3000	28.54	-9.15	19.39	46.00	-26.61			QP	
6	*	799.2100	40.63	-2.03	38.60	46.00	-7.40			QP	

*:Maximum data x:Over limit !:over margin

Operator: KK

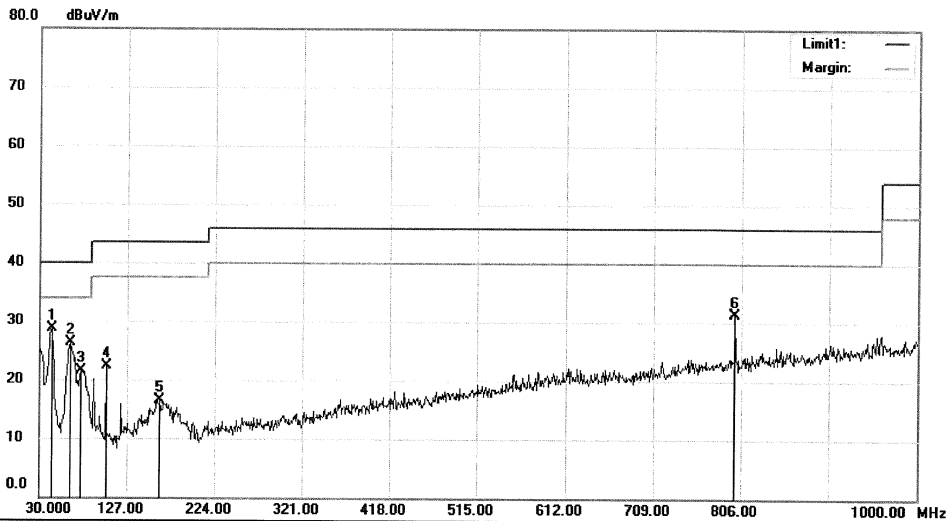
File :TUVData :#2205

Page: 1

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel: +86-755-2695 4280 Fax: +86-755-2695 4282


Radiated Emission Measurement

File :TUV Data :#2206 Date: 2017/04/22 Time:



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode:11b 2462
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	43.5800	43.66	-14.92	28.74	40.00	-11.26	QP		
2		63.9500	43.64	-17.33	26.31	40.00	-13.69	QP		
3		75.5900	41.98	-20.54	21.44	40.00	-18.56	QP		
4		103.7200	37.62	-15.28	22.34	43.50	-21.16	QP		
5		162.8900	34.83	-18.34	16.49	43.50	-27.01	QP		
6		799.2100	33.25	-2.03	31.22	46.00	-14.78	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

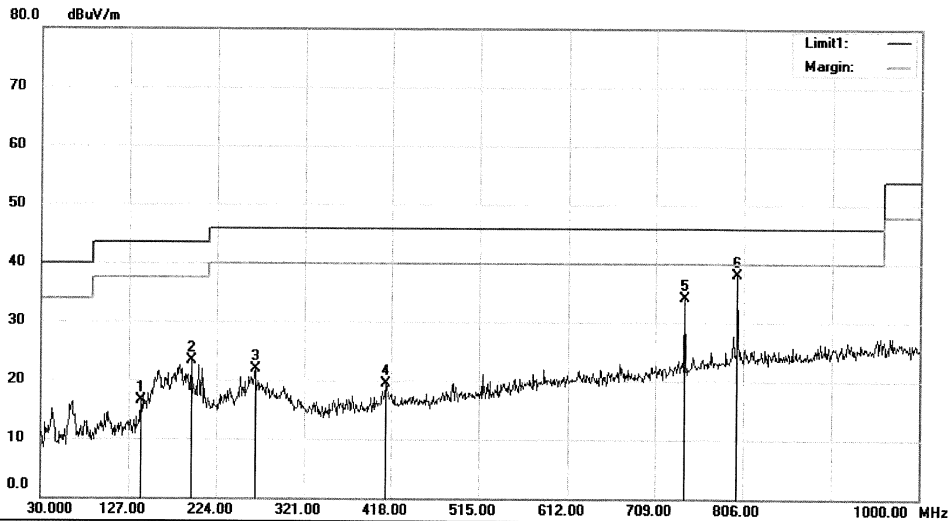
File :TUVData :#2206

Page: 1

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282


Radiated Emission Measurement

File :TUV Data :#2211 Date: 2017/04/22 Time:



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode:11g 2412
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		140.5800	35.53	-19.09	16.44	43.50	-27.06	QP		
2		195.8700	39.73	-16.47	23.26	43.50	-20.24	QP		
3		266.6800	35.04	-13.09	21.95	46.00	-24.05	QP		
4		412.1800	28.65	-9.11	19.54	46.00	-26.46	QP		
5		741.9800	37.35	-3.17	34.18	46.00	-11.82	QP		
6	*	799.2100	40.04	-2.03	38.01	46.00	-7.99	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

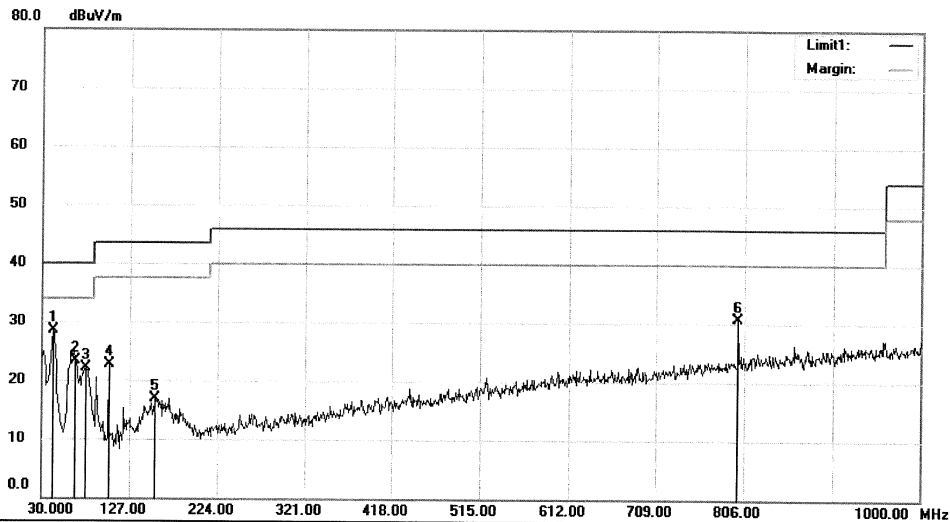
File :TUVData :#2211

Page: 1

Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282


Radiated Emission Measurement

File :TUV Data :#2212 Date: 2017/04/22 Time:



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: MH003/MID1023
 Mode:11g 2412
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree		
1	*	42.6100	43.36	-14.94	28.42	40.00	-11.58			QP	
2		66.8600	41.94	-18.56	23.38	40.00	-16.62			QP	
3		78.5000	41.92	-19.87	22.05	40.00	-17.95			QP	
4		103.7200	37.93	-15.28	22.65	43.50	-20.85			QP	
5		155.1300	35.73	-18.73	17.00	43.50	-26.50			QP	
6		799.2100	32.72	-2.03	30.69	46.00	-15.31			QP	

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2212

Page: 1