


Prüfbericht-Nr.: <i>Test report No.:</i>	50049186 002	Auftrags-Nr.: <i>Order No.:</i>	164062055	Seite 1 von 21 Page 1 of 21	
Kunden-Referenz-Nr.: <i>Client reference No.:</i>	466337	Auftragsdatum: <i>Order date.:</i>	28.04.2016		
Auftraggeber: <i>Client:</i>	Lightcomm Technology Co., Ltd. RM 1808 18/F, FO TAN INDUSTRIAL CENTRE, NOS. 26-28 AU PUI WAN STREET, FO TAN SHATIN NEW TERRITORIES HONG KONG				
Prüfgegenstand: <i>Test item:</i>	7 Inch Quad Core Tablet				
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	MID721-RB, DL721-RB, DL721-** (** means different color) (DIGILAND)				
Auftrags-Inhalt: <i>Order content:</i>	FCC approval				
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				
Wareneingangsdatum: <i>Date of receipt:</i>	01.06.2016	Refer to photo documents			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000368549-007				
Prüfzeitraum: <i>Testing period:</i>	12.06.2016 - 15.06.2016				
Ort der Prüfung: <i>Place of testing:</i>	Emtek (Shenzhen) 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:			
					
08.07.2016	Andy Yan / Senior Project Engineer	08.07.2016	Sam Lin / 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:					
Only evaluate the 2.4GHz Wi-Fi 802.11 b/g/n(HT20) function in this test report. FCC ID: XMF-MID721RB					
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 2 = gut 3 = befriedigend			4 = ausreichend 5 = mangelhaft		
P(ass) = entspricht o.g. Prüfgrundlage(n)			F(ail) = entspricht nicht o.g. Prüfgrundlage(n)		
N/A = nicht anwendbar			N/T = nicht getestet		
Legend: 1 = very good 2 = good 3 = satisfactory			4 = sufficient 5 = poor		
P(ass) = passed a.m. test specifications(s)			F(ail) = failed a.m. test specifications(s)		
N/A = not applicable			N/T = not tested		
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>					

v04

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.6 RADIATED SPURIOUS EMISSION

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix C: Test Results of Wi-Fi 802.11b/g/n(HT20) of Conducted Testing

Appendix D: Test Results of Wi-Fi 802.11b/g/n(HT20) of Radiated Testing

2 Test Sites

2.1 Test Facilities

Emtek (Shenzhen) Co., Ltd.

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

FCC Registration No.: 406365

Test site Industry Canada No.: 4480A-2

The tests at the test sites 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
Emtek (Shenzhen) Co., Ltd.

Radio Spectrum Test				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Spectrum Analyzer	R&S	FSV40	132.1-3008K39-100967-AP	17.05.2017
Spectrum Analyzer	Agilent	E4407B	88156318	17.05.2017
Spectrum Analyzer	Agilent	N9010A	My53470879	17.05.2017
Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Test Receiver	R&S	ESCI	26115-010-0027	17.05.2017
L.I.S.N.	R&S	ENV216	101161	17.05.2017
50Ω Coaxial Switch	Anritsu	MP59B	6100175589	17.05.2017
Voltage Probe	R&S	ESH2-Z3	100122	17.05.2017
Radiated Emission & Spurious Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESU	1302.6005.26	17.05.2017
Loop Antenna	Schwarzbeck	FMZB 1519	1519-012	17.05.2017
Pre-Amplifier	HP	8447F	2944A07999	17.05.2017
Bilog Antenna	Schwarzbeck	VULB9163	142	17.05.2017
Pre-Amplifier	A.H.	PAM-0126	1415261	17.05.2017
Horn Antenna	Schwarzbeck	BBHA 9120	707	17.05.2017
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	17.05.2017
Cable	N/A	3M SF104-26.5	295838/4	17.05.2017
Cable	N/A	6M SF104-26.5	295840/4	17.05.2017
Cable	Schwarzbeck	AK9513	ACRX1	17.05.2017
Cable	Rosenberger	N/A	FP2RX2	17.05.2017
Cable	Schwarzbeck	AK9513	CRPX1	17.05.2017
Cable	Schwarzbeck	AK9513	CRRX2	17.05.2017
Cable	H+B	0.5M SF104-26.5	289147/4	17.05.2017
Cable	H+B	3M SF104-26.5	295838/4	17.05.2017
Cable	H+B	6M SF104-26.5	295840/4	17.05.2017

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, 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

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table

Item	Extended Uncertainty
Radio Spectrum	± 1.0 dB
All emission, radiated	± 3.0 dB
Conducted Emission	± 2.0 dB
Radiated Emission	± 2.0 dB
Antenna Port Emission	± 3.0 dB
Temperature	± 0.5 °C
Humidity	± 3.0 %

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix C & D of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The Emtex (Shenzhen) Co., Ltd. Test facility located at Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen Guangdong, 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 EUT is a '7 Inch Quad Core Tablet' device. It supports Bluetooth 4.0 (Dual mode) and 2.4GHz Wi-Fi 802.11 b/g/n(HT20) wireless technology.

According to the declaration of the applicant, the electrical circuit design, PCB layout and components used are identical for all models, only the model No. and appearance are different.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	7 Inch Quad Core Tablet
Type Designation	MID721-RB, DL721-RB, DL721-** (** means different color)
Trade Mark	DIGILAND
FCC ID	XMF-MID721RB
Operating Frequency	802.11b/g/n(HT20): 2412 MHz to 2462 MHz
Operating Temperature Range	0 °C ~ +40 °C
Operating Voltage	DC 3.7V 2700mAh via internal rechargeable Li-Poly battery DC 5.0V 1.5A via AC/DC adapter for charging
Testing Voltage	DC 3.7V 2700mAh via internal rechargeable Li-Poly battery DC 5.0V 1.5A via AC/DC adapter for charging
Adapter	Model: TEKA006-0501500UKU Input: AC 100-240V ~ 50/60Hz 0.3A Max. Output: DC 5.0V ~ 1.5A
Type of Modulation	802.11b: DSSS(DBPSK/DQPSK/CCK) 802.11g/n: OFDM(BPSK/QPSK/16QAM/64QAM)
Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11g: 6/9/12/18/24/36/48/54 Mbps 802.11n(HT20): MCS0 ~ MCS7 Mbps
Channel Number	802.11b/g/n(HT20): 11 channels
Channel Separation	5 MHz
Wireless Technology	Wi-Fi 802.11b/g/n
Antenna Type	PIFA Antenna
Antenna Gain	1.14 dBi

Table 3: RF Channel and Frequency of Wi-Fi

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	/	/

Remark:

1. Test frequencies are lowest channel: 2412 MHz, middle channel: 2437 MHz and highest channel: 2462 MHz for 802.11b/g/n(HT20)
2. Test frequencies are lowest channel: 2422 MHz, middle channel: 2437 MHz and highest channel: 2452 MHz for 802.11n(HT40)

3.3 Independent Operation Modes

The basic operation modes are:

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

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- Block Diagram
- ID Label and Location Info
- Model Difference Letter
- Operation Description
- Parts List
- PCB Layout
- Photo Document
- Schematics
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation 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.

According to clause 3.1, all tests were performed on model MID721-RB in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Notebook	Lenovo	WB0205140E	WB06355728	120-240V/50-60Hz

4.4 Countermeasures to Achieve EMC 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 (Below 1GHz)

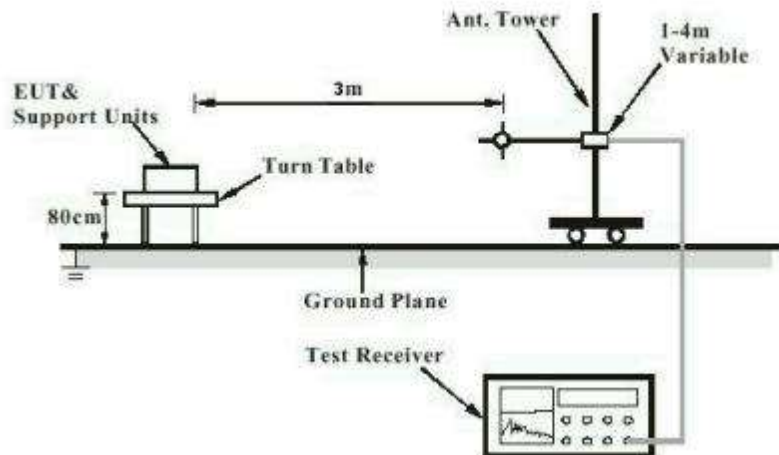


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

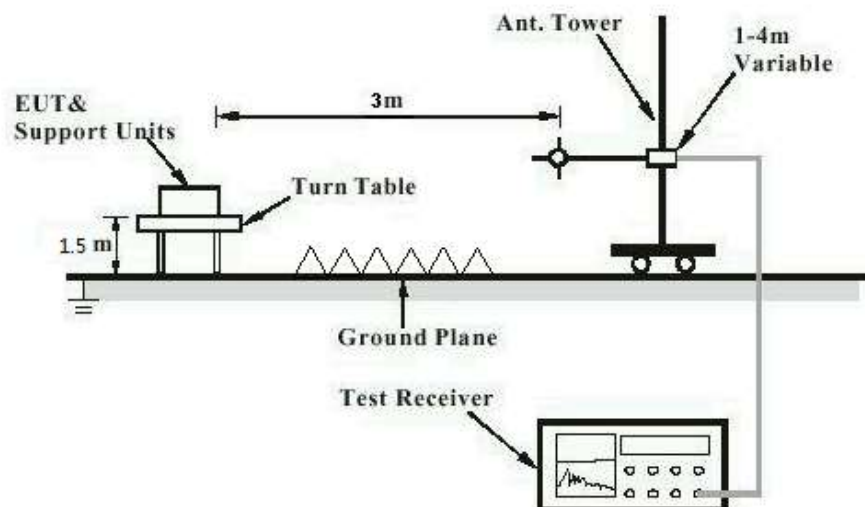


Diagram of Measurement Configuration for Mains Conduction Measurement

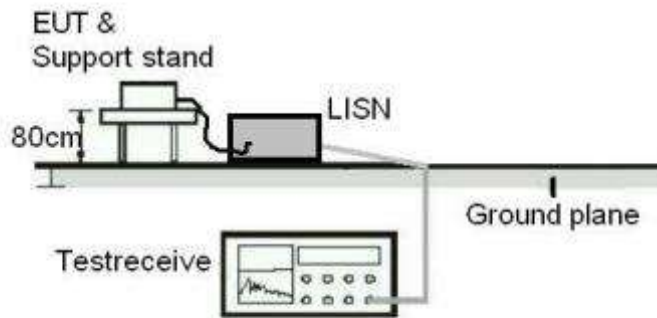
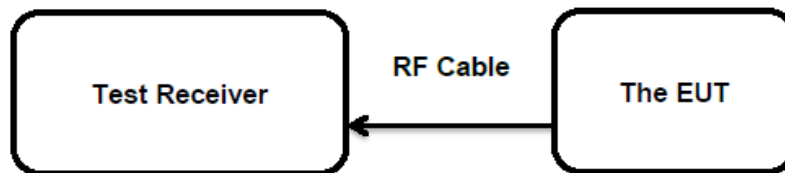


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.247(b)(4) and Part 15.203

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1.14 dBi, 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.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Peak Conducted Output Power

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(b)(1)&(3)
 Basic standard : ANSI C63.10: 2013
 Limits : < 1.0 Watts
 Kind of test site : Shielded Room

Test Setup

Date of testing : 12.06.2016
 Input voltage : DC 3.7V 2700mAh via internal rechargeable Li-Poly battery
 Operation mode : A.1
 Test channel : Low / Middle / High
 Ambient temperature : 24 °C
 Relative humidity : 50 %
 Atmospheric pressure : 101 kPa

Table 5: Test Result of Maximum Peak Conducted Output Power

Test Mode	Data Rate	Frequency (MHz)	Measured Power		Limit
			dBm	W	
802.11b	1 Mbps	2412	19.62	0.09162	< 1W(30dBm)
		2437	18.46	0.07015	
		2462	18.10	0.06457	
802.11g	6 Mbps	2412	16.12	0.04093	
		2437	16.97	0.04977	
		2462	16.90	0.04898	
802.11n (HT20)	MCS0 Mbps	2412	16.72	0.04699	
		2437	17.56	0.05702	
		2462	17.53	0.05662	
Maximum Measured Value			19.62	0.09162	

Note: The cable loss is taken into account in results.

For the measurement records, refer to the appendix C.

5.1.3 Conducted Power Spectral Density

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(e)
 Basic standard : ANSI C63.10: 2013
 Limits : 8 dBm / 3kHz
 Kind of test site : Shielded Room

Test Setup

Date of testing : 12.06.2016
 Input voltage : DC 3.7V 2700mAh via internal rechargeable Li-Poly battery
 Operation mode : A.1
 Test channel : Low / Middle / High
 Ambient temperature : 24 °C
 Relative humidity : 50 %
 Atmospheric pressure : 101 kPa

Table 6: Test Result of Power Spectral Density

Test Mode	Data Rate	Frequency (MHz)	Measured Peak Power Spectral Density (dBm/3KHz)
802.11b	1 Mbps	2412	-6.849
		2437	-6.676
		2462	-7.016
802.11g	6 Mbps	2412	-17.323
		2437	-16.905
		2462	-16.242
802.11n (HT20)	MCS0 Mbps	2412	-17.056
		2437	-15.512
		2462	-15.314
Maximum Measured Value			-6.676

Note: The cable loss is taken into account in results.

For the measurement records, refer to the appendix C.

5.1.4 6dB Bandwidth

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(a)(2)
 Basic standard : ANSI C63.10: 2013
 Limits : > 500 KHz
 Kind of test site : Shielded Room

Test Setup

Date of testing : 12.06.2016
 Input voltage : DC 3.7V 2700mAh via internal rechargeable Li-Poly battery
 Operation mode : A.1
 Test channel : Low / Middle / High
 Ambient temperature : 24 °C
 Relative humidity : 50 %
 Atmospheric pressure : 101 kPa

Table 7: Test Result of 6dB Bandwidth

Test Mode	Data Rate	Frequency (MHz)	-6dB Bandwidth (MHz)	Limit (kHz)
802.11b	1 Mbps	2412	10.07	> 500
		2437	10.10	
		2462	10.11	
802.11g	6 Mbps	2412	16.38	
		2437	16.41	
		2462	16.39	
802.11n (HT20)	MCS0 Mbps	2412	17.64	
		2437	17.65	
		2462	17.65	
Minimum Measured Value			10.07	

Note: The cable loss is taken into account in results.

For the measurement records, refer to the appendix C.

5.1.5 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT: **Pass****Test Specification**

Test standard : FCC Part 15.247(d)
Basic standard : ANSI C63.10: 2013
Limits : 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site : Shielded Room

Test Setup

Date of testing : 12.06.2016
Input voltage : DC 3.7V 2700mAh via internal rechargeable Li-Poly battery
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 24 °C
Relative humidity : 50 %
Atmospheric pressure : 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to following test plot, and compliance is achieved as well.

For the measurement records, refer to the appendix C.

5.1.6 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 15.06.2016
Input voltage	: DC 3.7V 2700mAh via internal rechargeable Li-Poly battery DC 5.0V 1.5A via AC/DC adapter for charging
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 24 °C
Relative humidity	: 50 %
Atmospheric pressure	: 101 kPa

Remark:

During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to following test plot, and compliance is achieved as well.

Testing was carried out within frequency range 9kHz to the tenth harmonics.

For the measurement records, refer to the appendix D.

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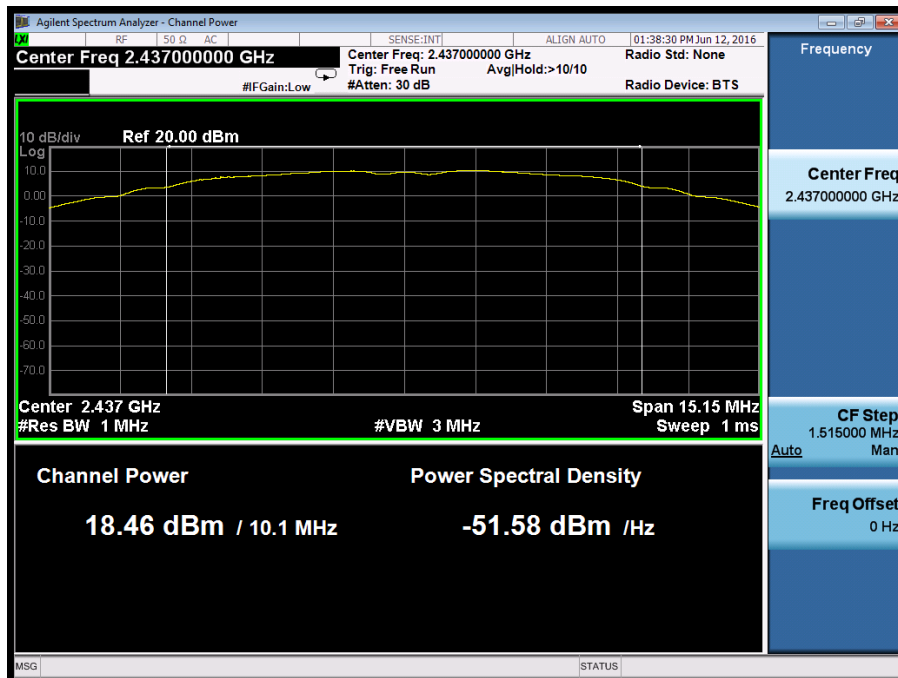
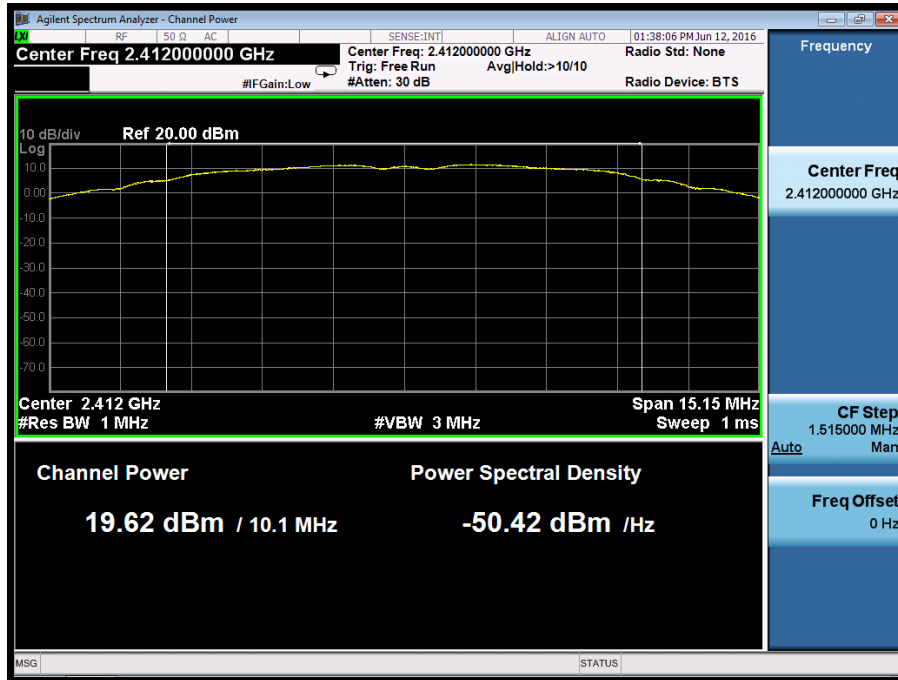
Appendix C

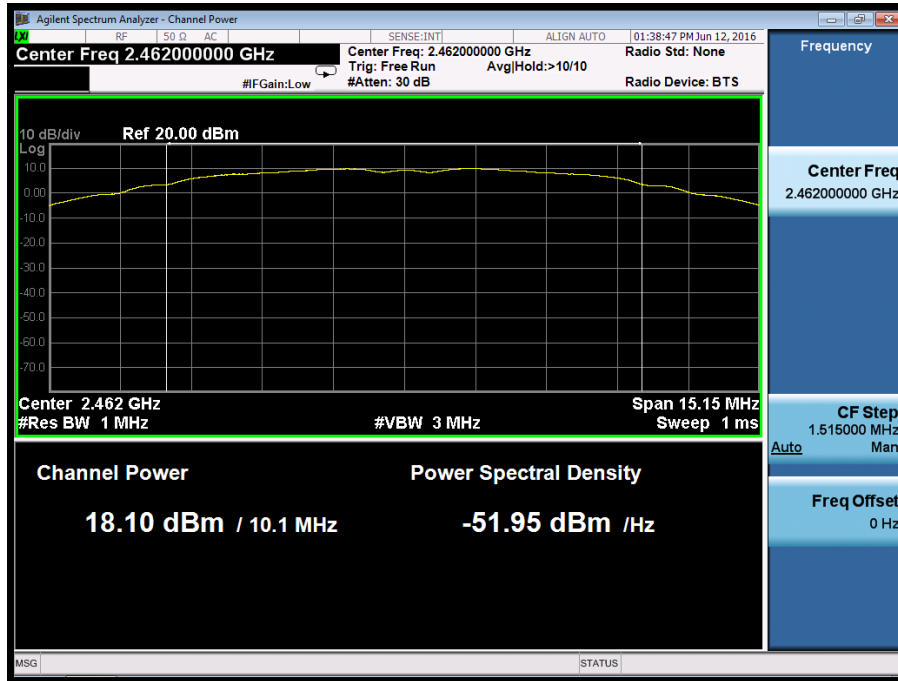
Test Results of Wi-Fi 802.11b/g/n(HT20) of Conducted Testing

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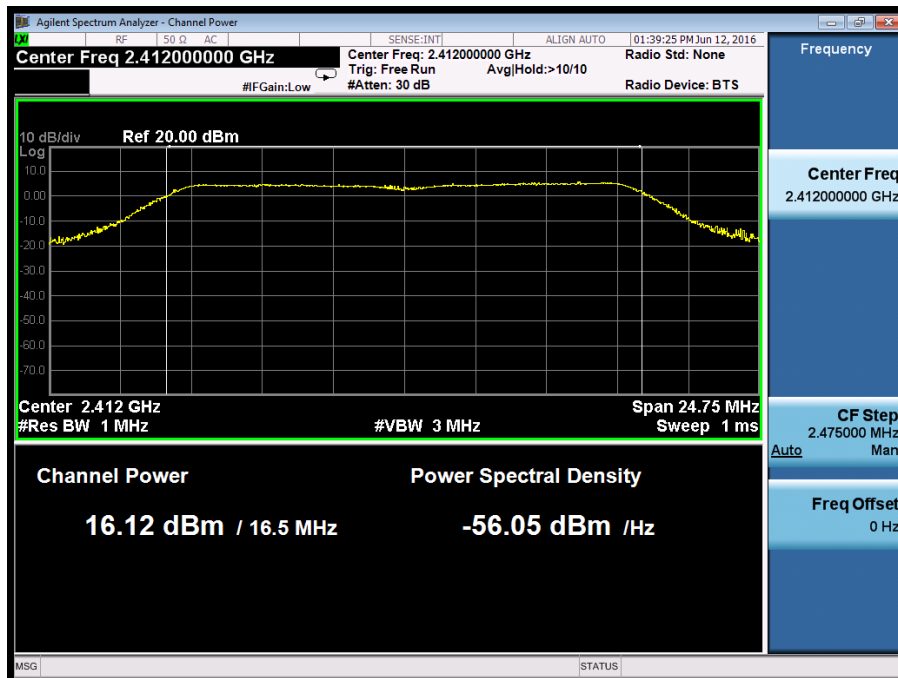
Appendix C.1: Maximum Peak Conducted Output Power

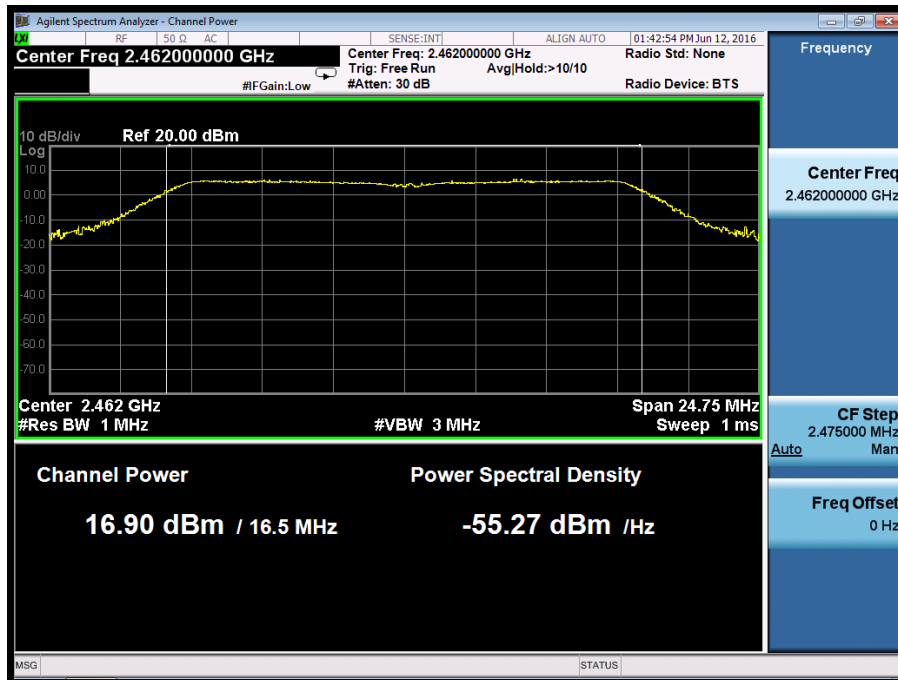
Wi-Fi 802.11 b mode, 1 Mbps



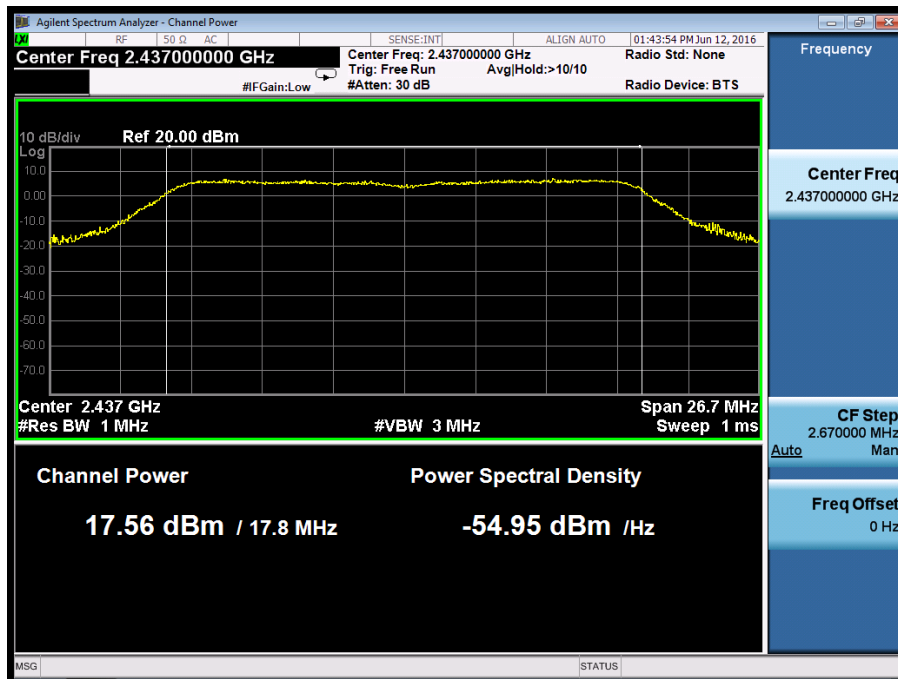
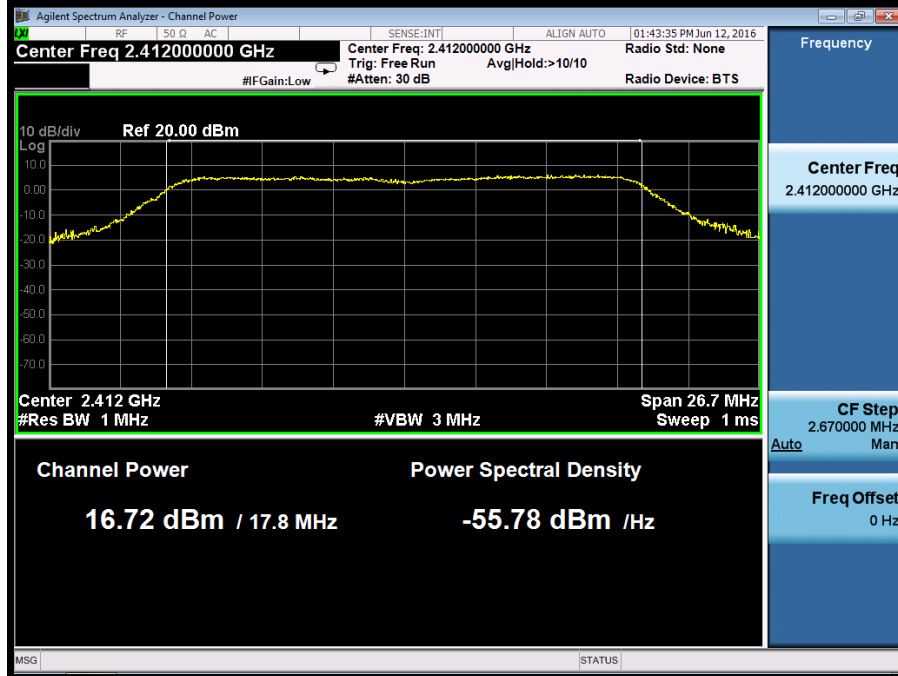


Wi-Fi 802.11 g mode, 6 Mbps





Wi-Fi 802.11 n(HT20) mode, MCS0





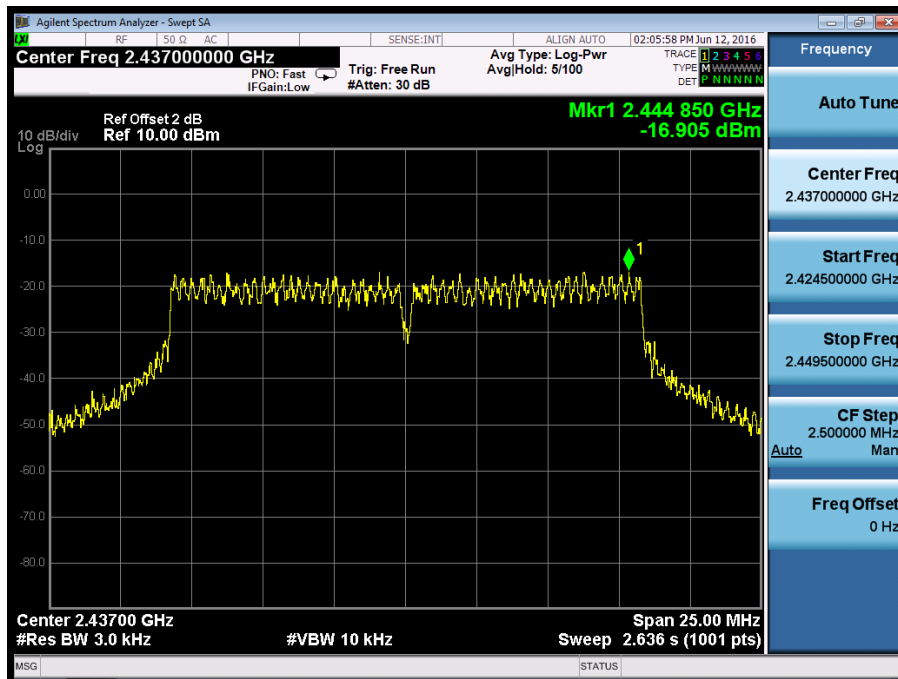
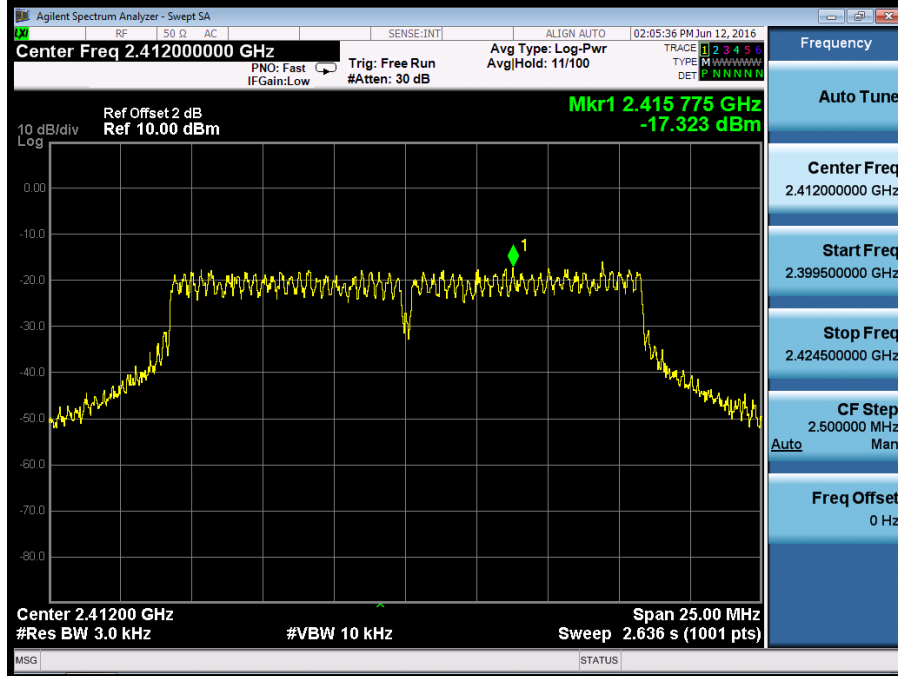
Appendix C.2: Conducted Power Spectral Density

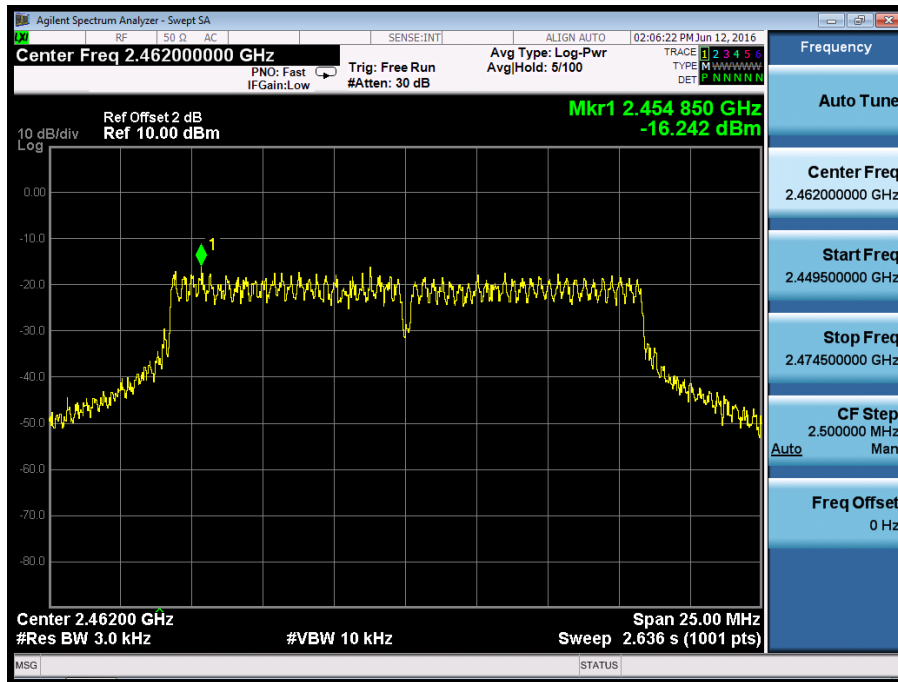
Wi-Fi 802.11 b mode, 1 Mbps



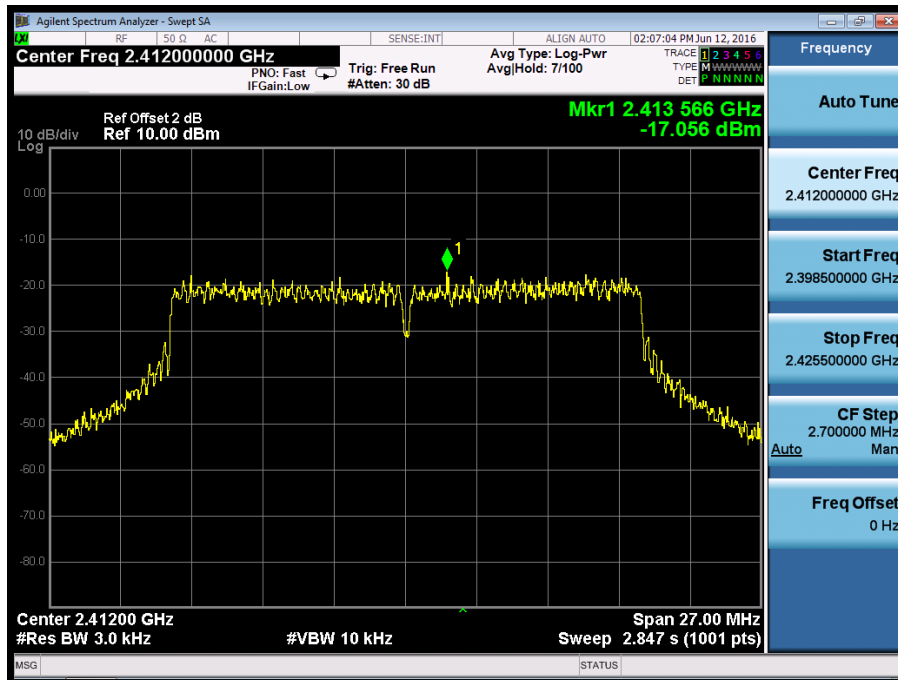


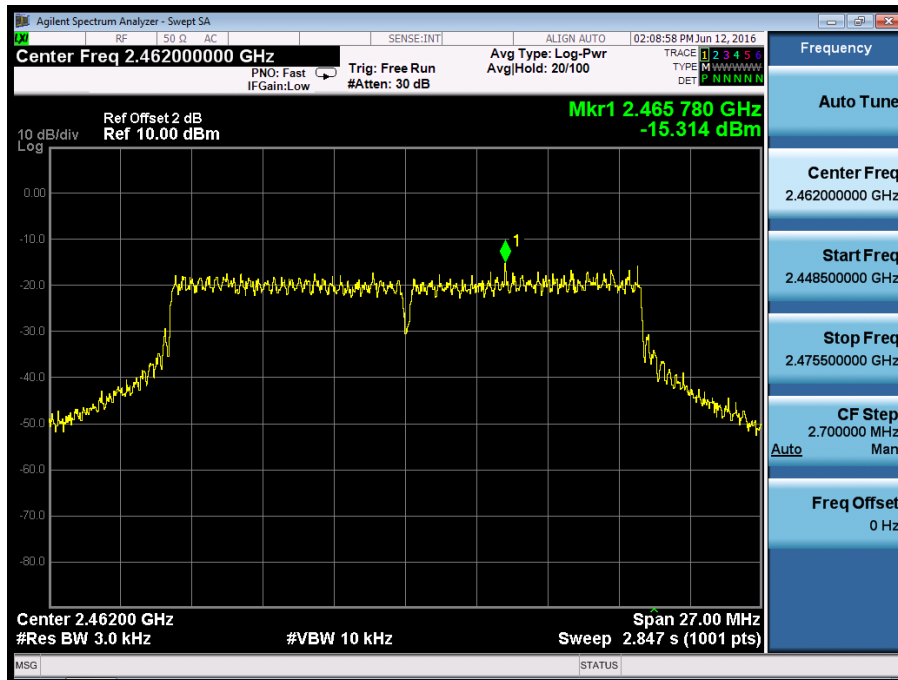
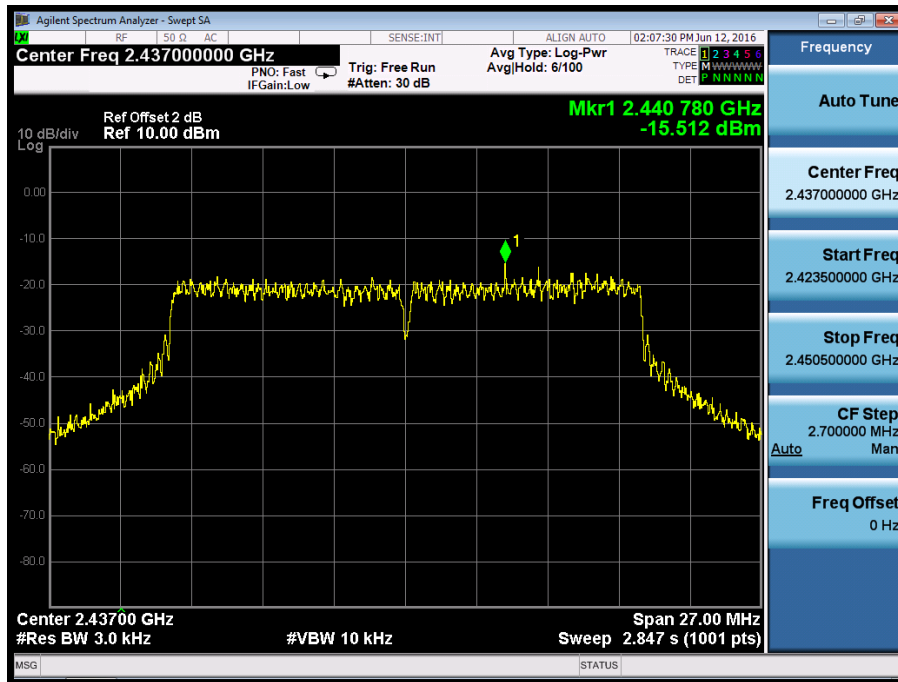
Wi-Fi 802.11 g mode, 6 Mbps





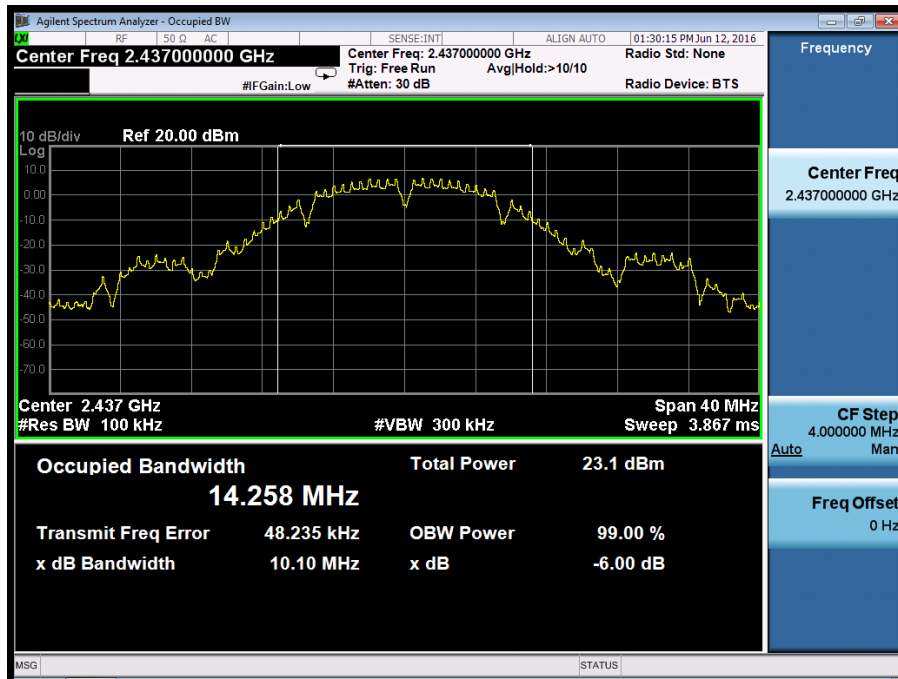
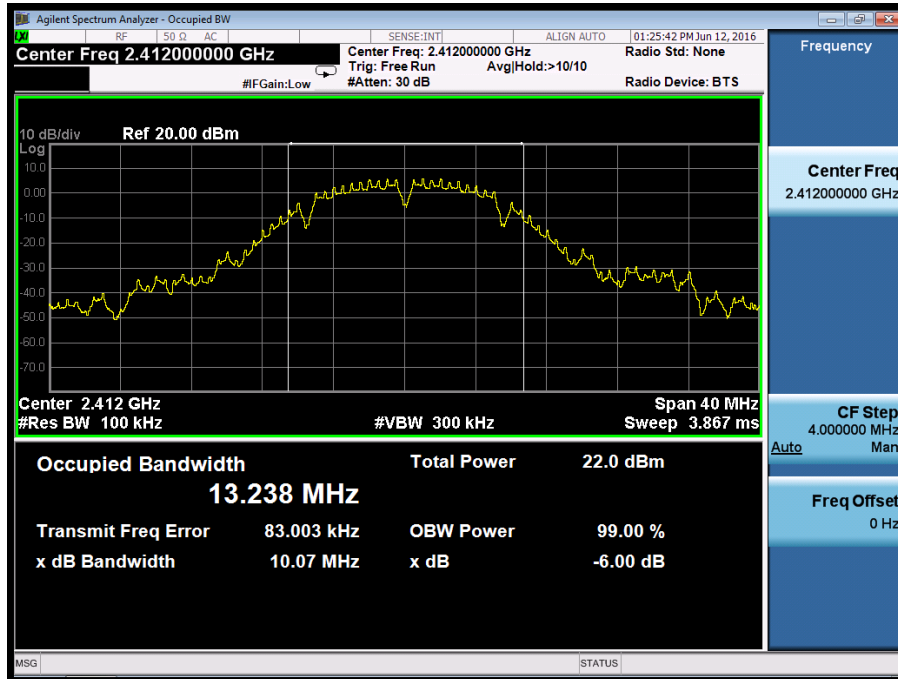
Wi-Fi 802.11 n(HT20) mode, MCS0

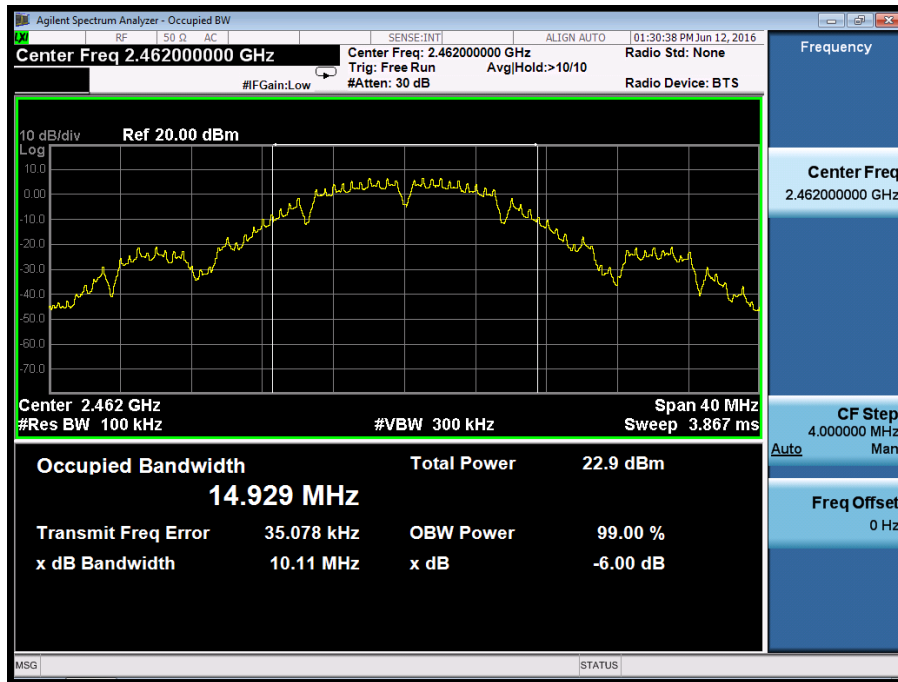




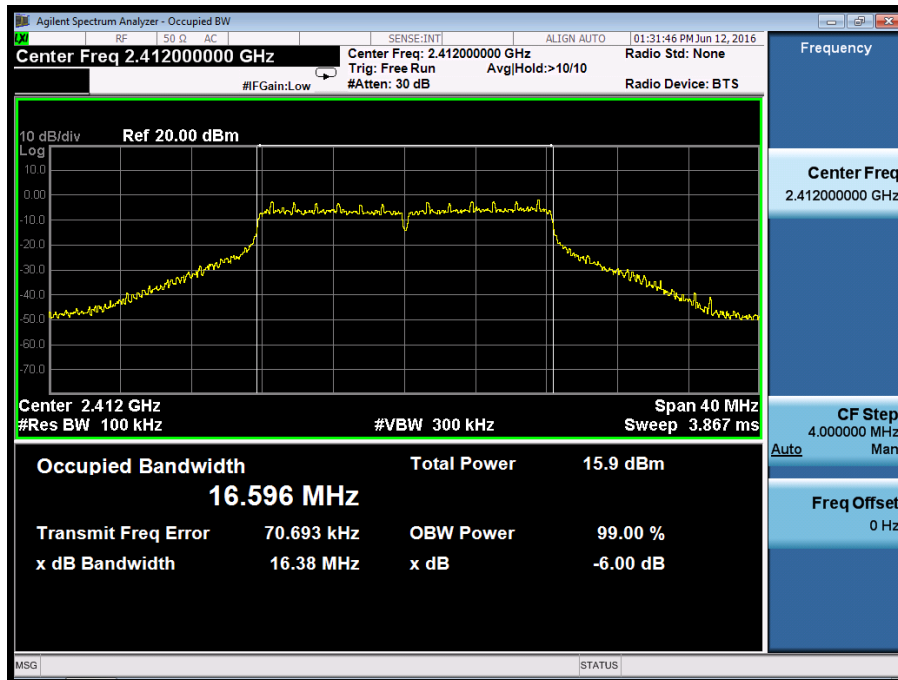
Appendix C.3: 6dB Bandwidth

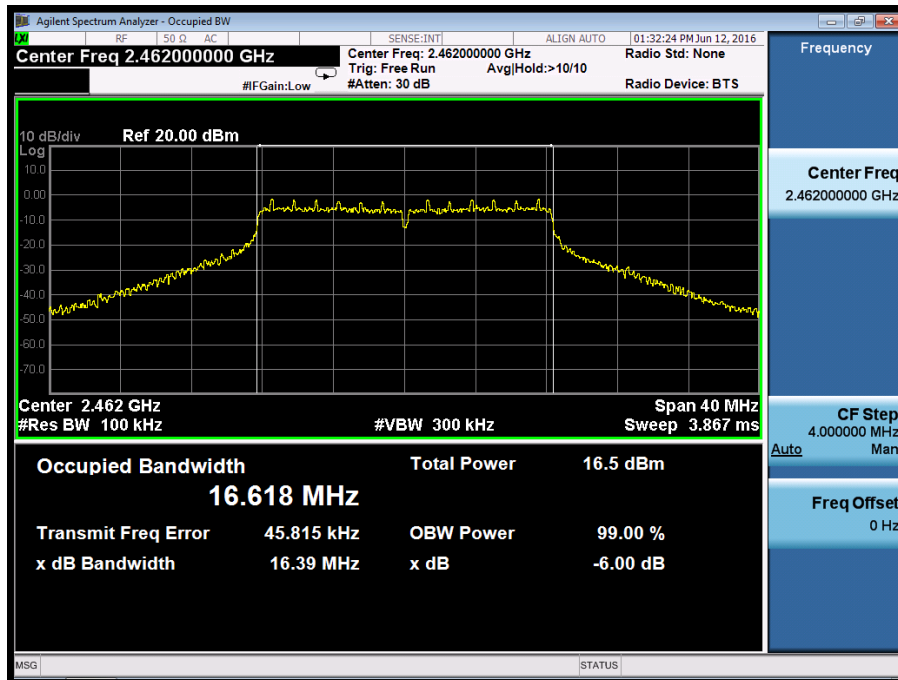
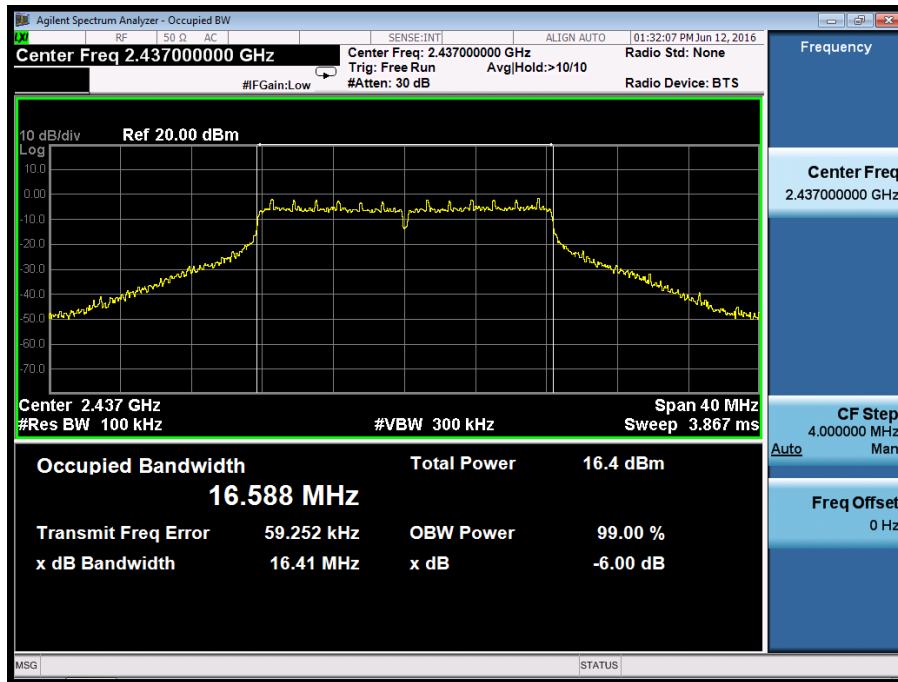
Wi-Fi 802.11 b mode, 1 Mbps



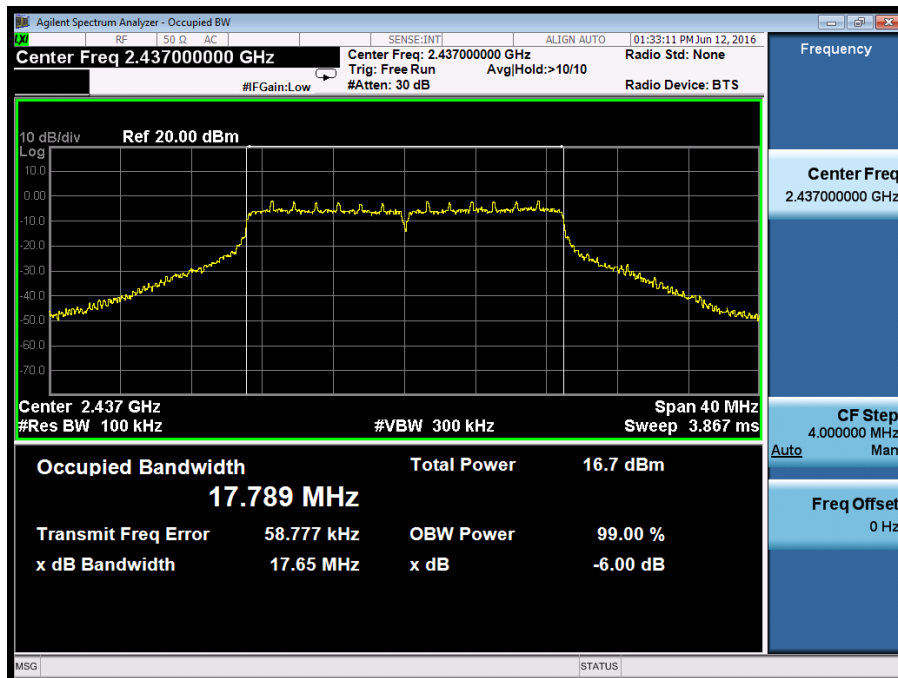
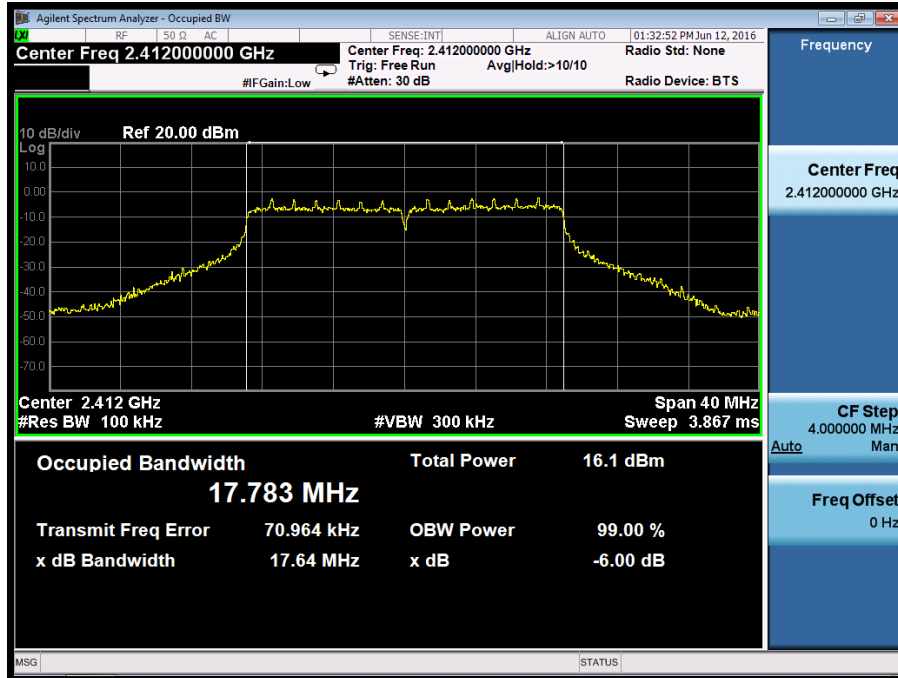


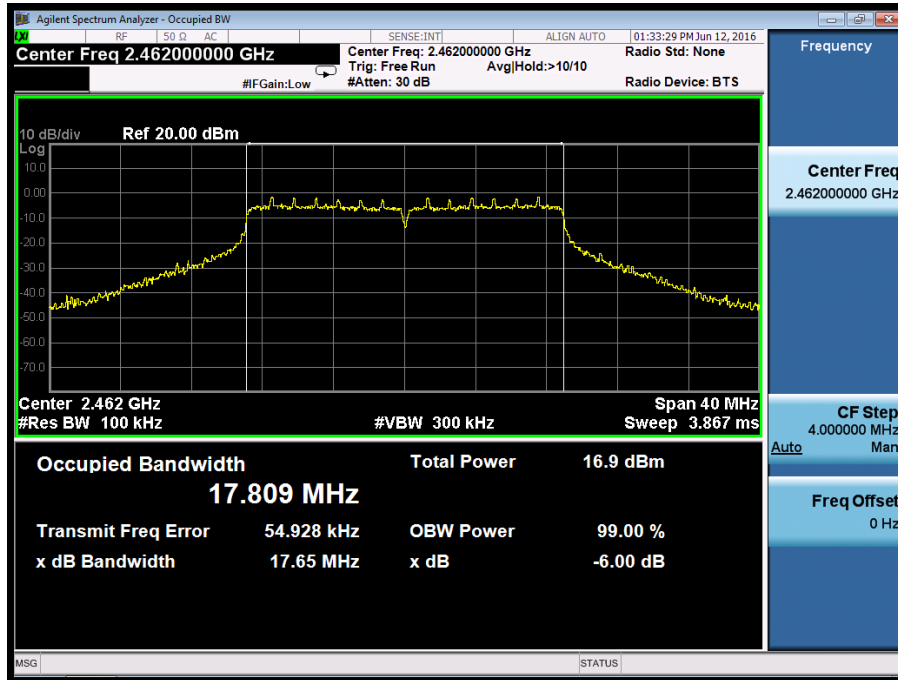
Wi-Fi 802.11 g mode, 6 Mbps





Wi-Fi 802.11 n(HT20) mode, MCS0





Appendix C.4: Conducted Spurious Emissions Measured in 100 kHz Bandwidth
Wi-Fi 802.11 b mode, 1 Mbps





Wi-Fi 802.11 g mode, 6 Mbps





Wi-Fi 802.11 n(HT20) mode, MCS0

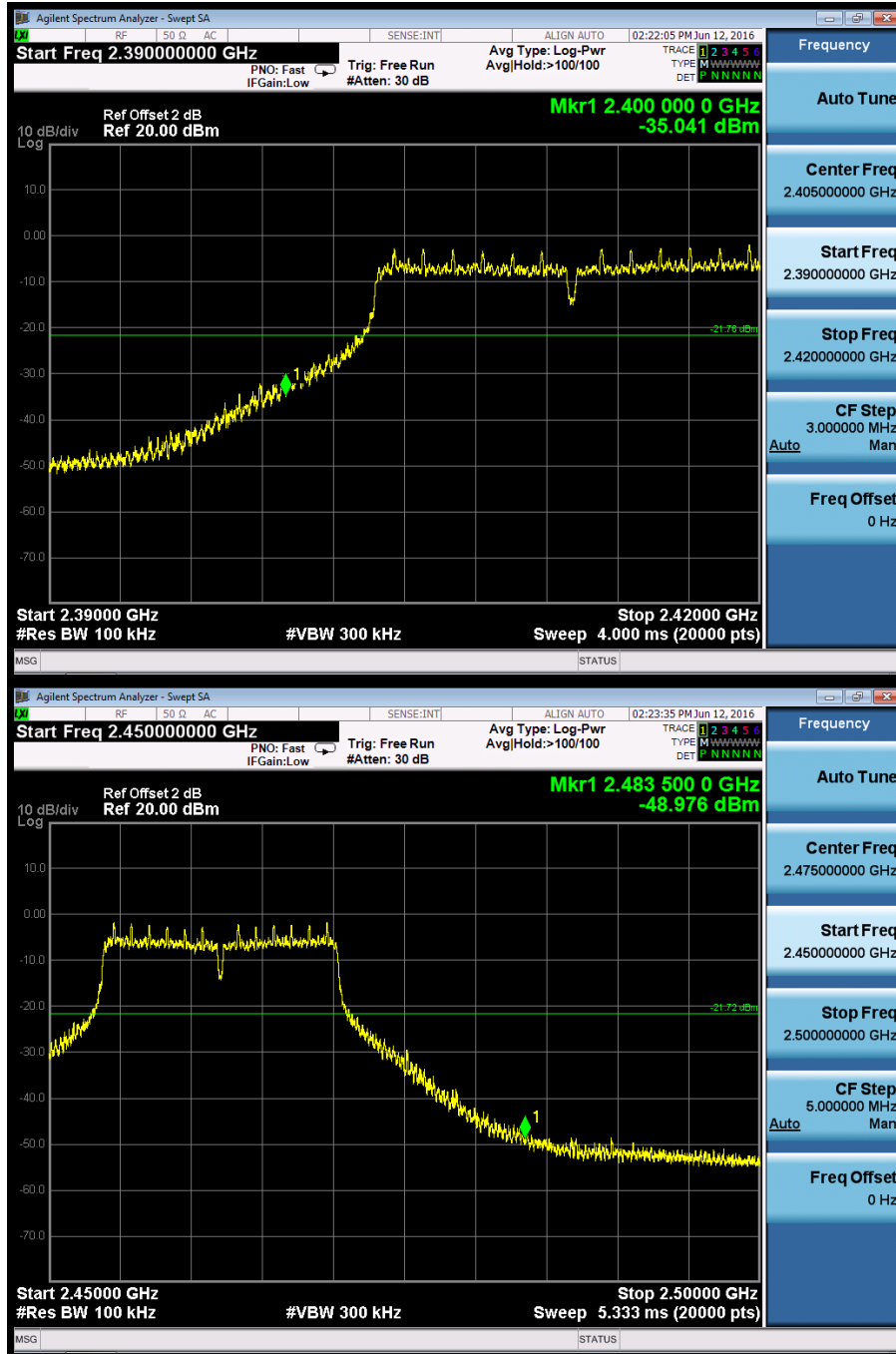




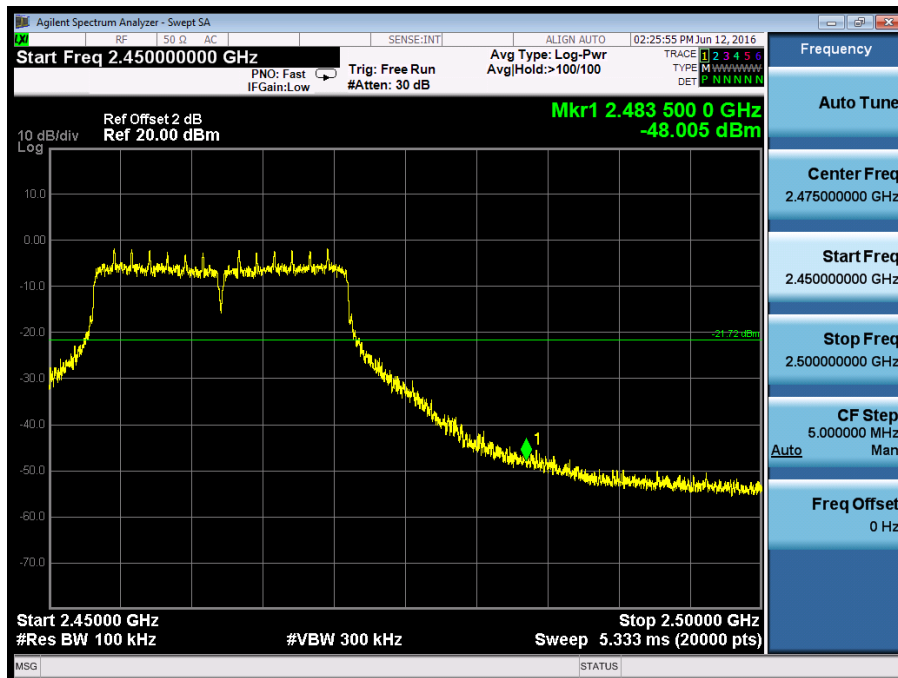
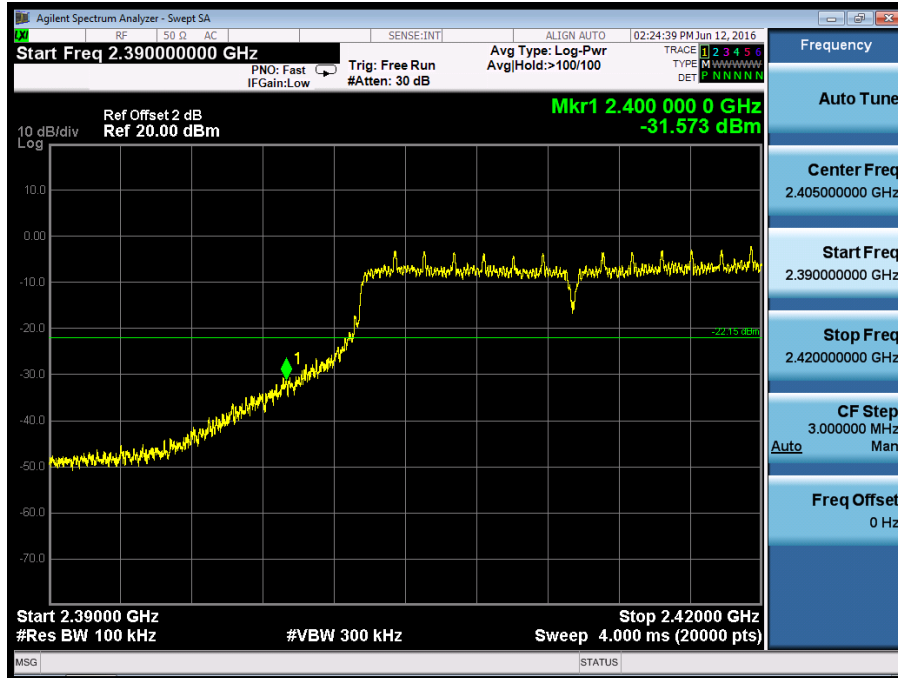
Wi-Fi 802.11 b mode, Band Edge



Wi-Fi 802.11 g mode, Band Edge



Wi-Fi 802.11 n(HT20) mode, Band Edge



Appendix D

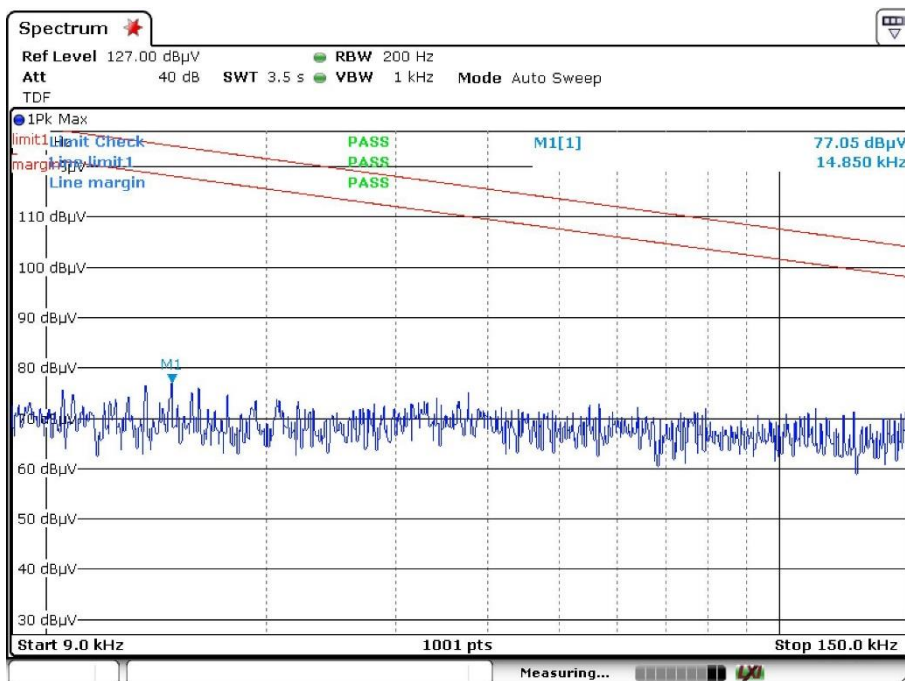
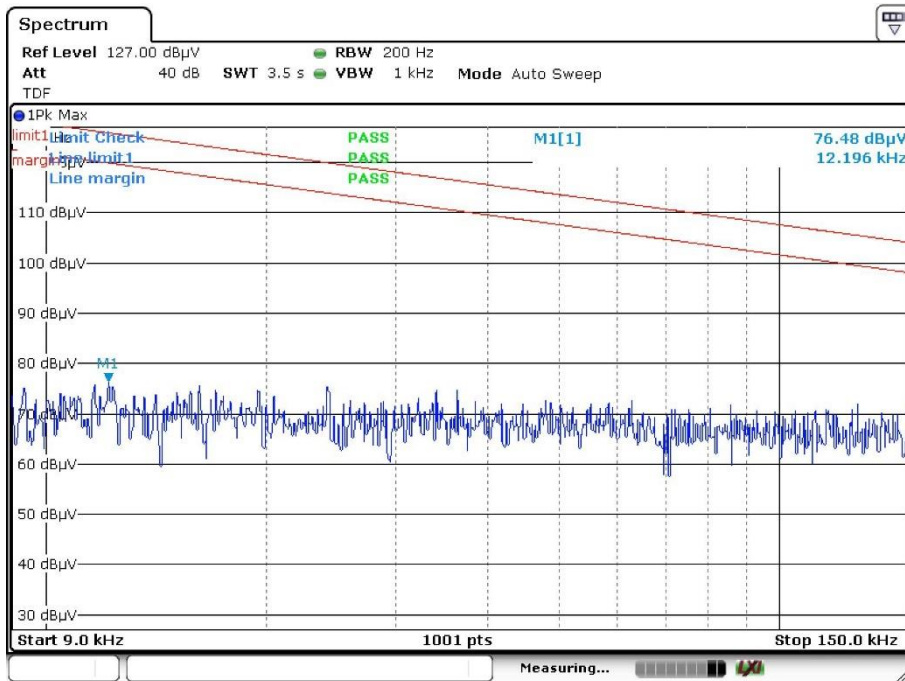
Test Results of Wi-Fi 802.11b/g/n(HT20) of Radiated Testing

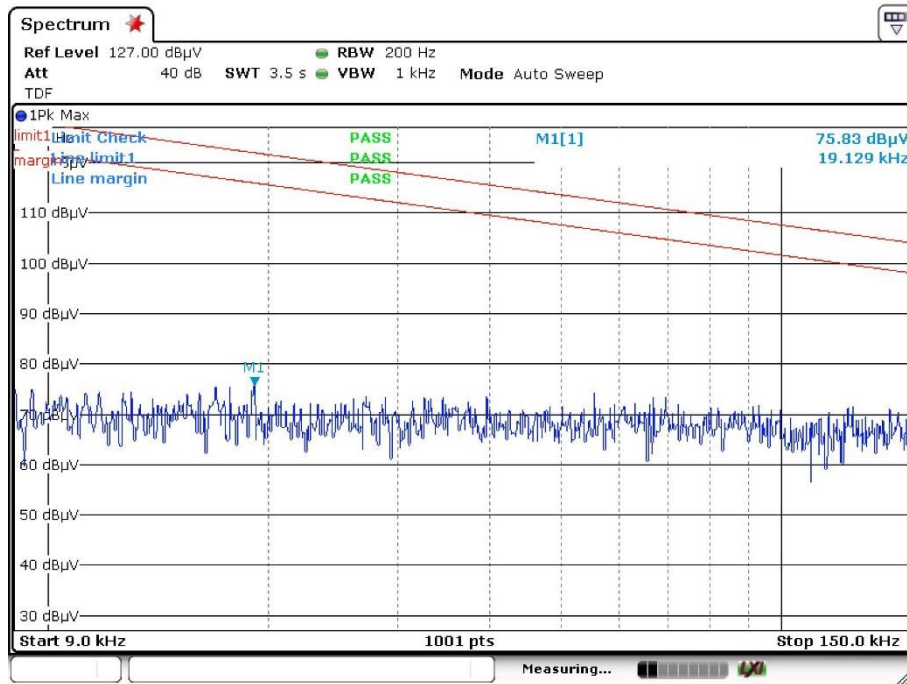
APPENDIX D	1
APPENDIX D.1: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	2
<i>Wi-Fi 802.11 b mode, 1 Mbps</i>	2
<i>Wi-Fi 802.11 g mode, 6 Mbps</i>	23
<i>Wi-Fi 802.11 n(HT20) mode, MCS0</i>	44
APPENDIX D.2: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	65
<i>Wi-Fi 802.11 b mode, 1 Mbps</i>	65
<i>Wi-Fi 802.11 g mode, 6 Mbps</i>	69
<i>Wi-Fi 802.11 n(HT20) mode, MCS0</i>	73

NOTE

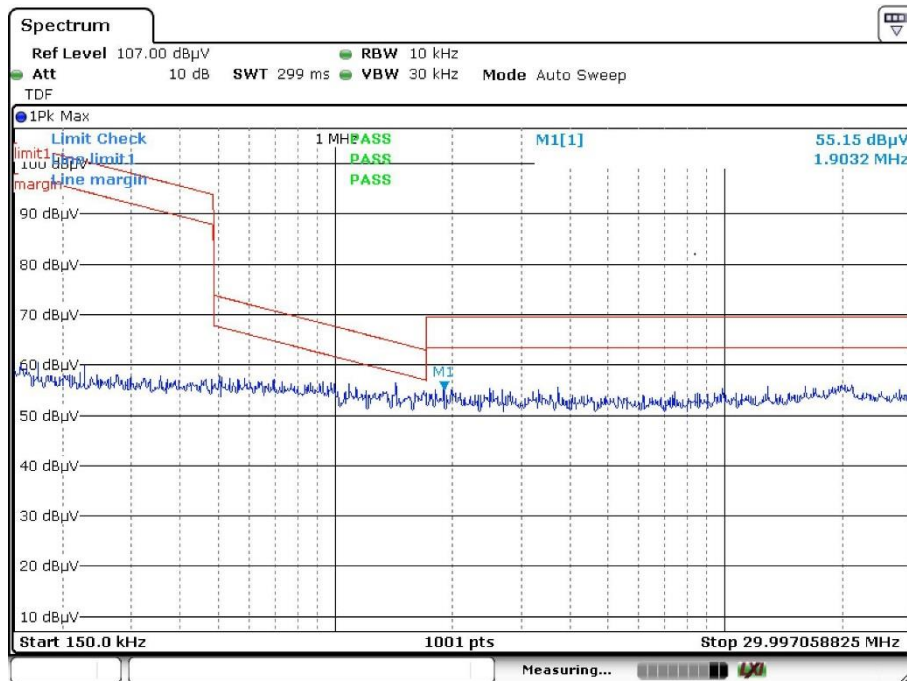
During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.

Appendix D.1: Test Results of Radiated Spurious Emissions
Wi-Fi 802.11 b mode, 1 Mbps
9KHz - 30MHz

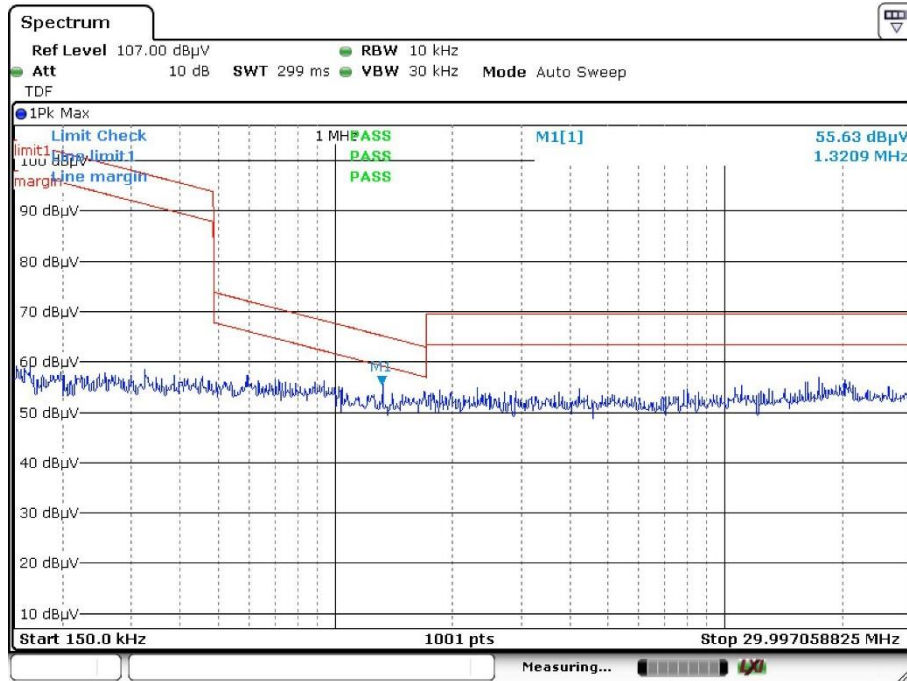




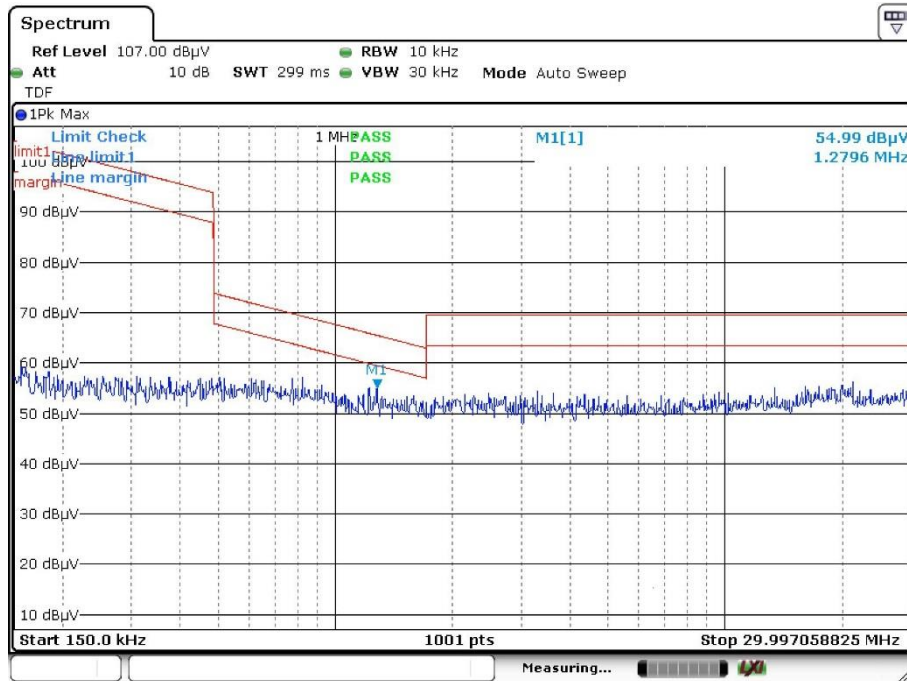
P



P



P



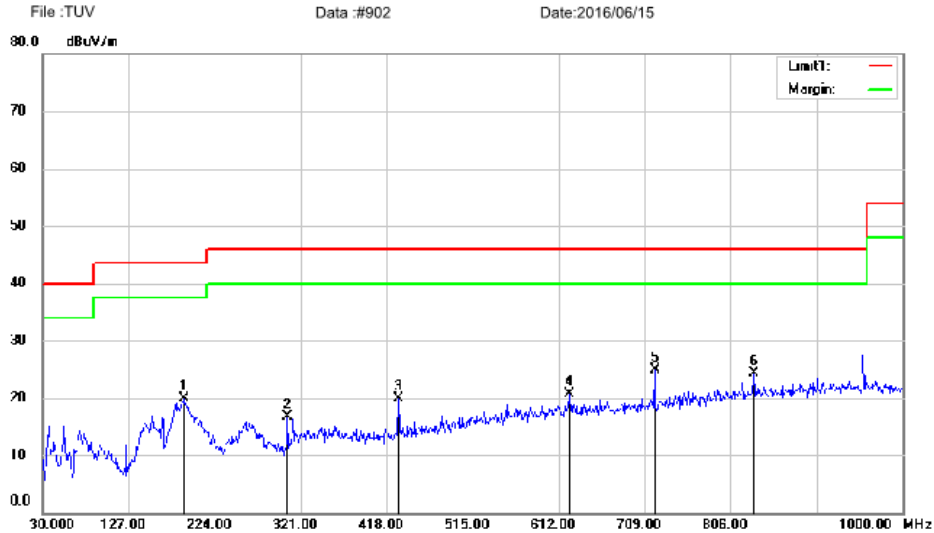
P

30MHz - 1GHz

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 21 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
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		189.0800	52.43	-32.55	19.88	43.50	-23.62	QP	0	
2		306.4500	46.02	-29.31	16.71	46.00	-29.29	QP	0	
3		431.5800	46.14	-26.15	19.99	46.00	-26.01	QP	0	
4		623.6400	42.01	-21.32	20.69	46.00	-25.31	QP	0	
5	*	720.6400	44.98	-19.98	25.00	46.00	-21.00	QP	0	
6		832.1900	42.09	-17.69	24.40	46.00	-21.60	QP	0	

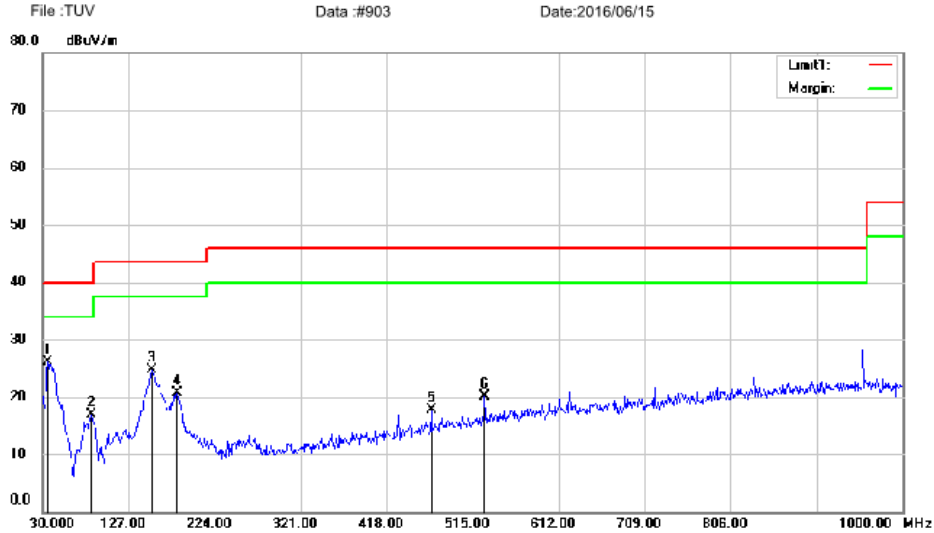
*:Maximum data x:Over limit !:over margin

Operator: CSL

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 21 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
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	*	35.8200	57.82	-31.77	26.05	40.00	-13.95	QP	0		
2		84.3200	50.73	-33.92	16.81	40.00	-23.19	QP	0		
3		153.1900	59.72	-34.94	24.78	43.50	-18.72	QP	0		
4		181.3200	53.90	-33.20	20.70	43.50	-22.80	QP	0		
5		468.4400	42.81	-25.12	17.69	46.00	-28.31	QP	0		
6		528.5800	43.53	-23.40	20.13	46.00	-25.87	QP	0		

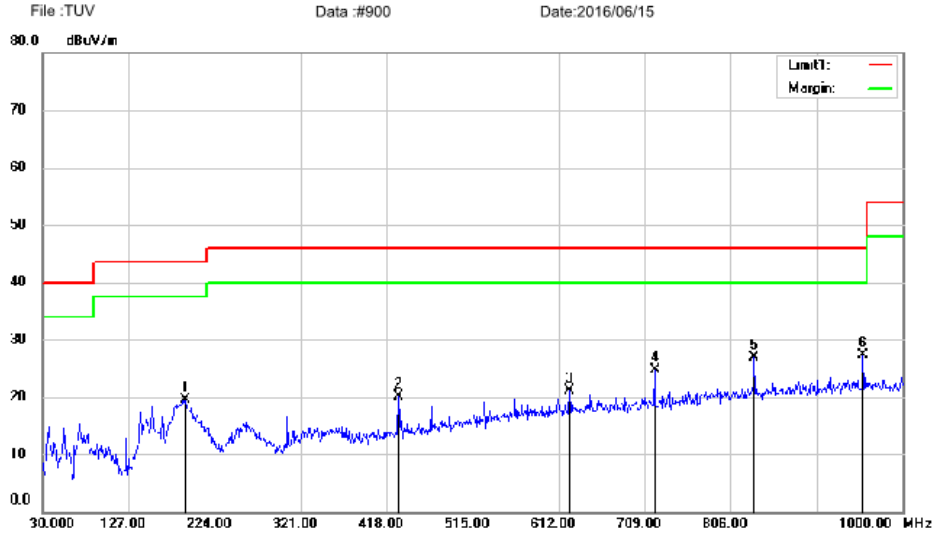
*:Maximum data x:Over limit !:over margin

Operator: CSL

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 21 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
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		191.0200	51.93	-32.47	19.46	43.50	-24.04	QP	0	
2		431.5800	46.25	-26.15	20.10	46.00	-25.90	QP	0	
3		624.6100	42.35	-21.29	21.06	46.00	-24.94	QP	0	
4		720.6400	44.65	-19.98	24.67	46.00	-21.33	QP	0	
5		832.1900	44.62	-17.69	26.93	46.00	-19.07	QP	0	
6	*	955.3800	43.07	-15.69	27.38	46.00	-18.62	QP	0	

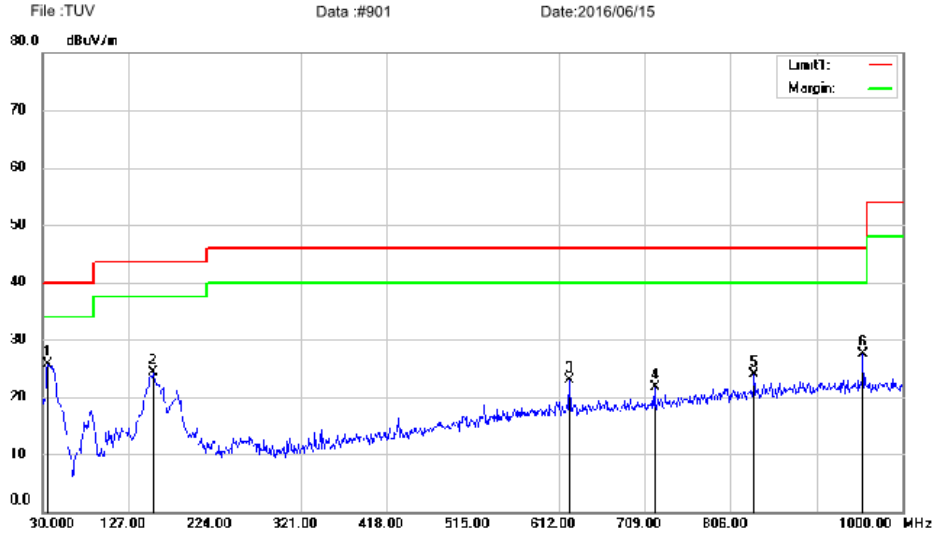
*:Maximum data x:Over limit !:over margin

Operator: CSL

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 21 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
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	*	35.8200	57.56	-31.77	25.79	40.00	-14.21	QP	0	
2		154.1600	59.14	-34.92	24.22	43.50	-19.28	QP	0	
3		623.6400	44.16	-21.32	22.84	46.00	-23.16	QP	0	
4		720.6400	41.64	-19.98	21.66	46.00	-24.34	QP	0	
5		832.1900	41.50	-17.69	23.81	46.00	-22.19	QP	0	
6		955.3800	43.21	-15.69	27.52	46.00	-18.48	QP	0	

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

Operator: CSL

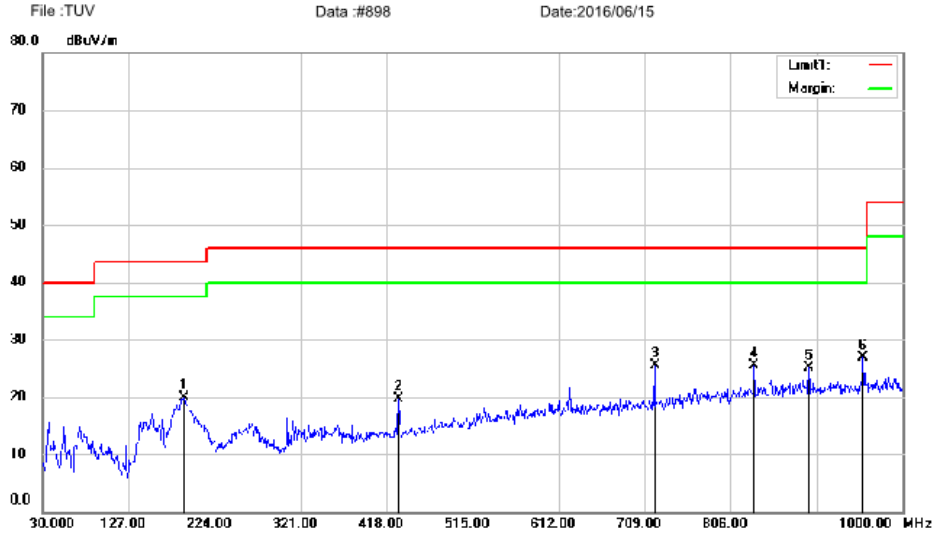
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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 21 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 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		190.0500	52.34	-32.47	19.87	43.50	-23.63	QP	0	
2		431.5800	45.89	-26.15	19.74	46.00	-26.26	QP	0	
3		720.6400	45.52	-19.98	25.54	46.00	-20.46	QP	0	
4		832.1900	43.18	-17.69	25.49	46.00	-20.51	QP	0	
5		894.2700	41.65	-16.60	25.05	46.00	-20.95	QP	0	
6	*	955.3800	42.58	-15.69	26.89	46.00	-19.11	QP	0	

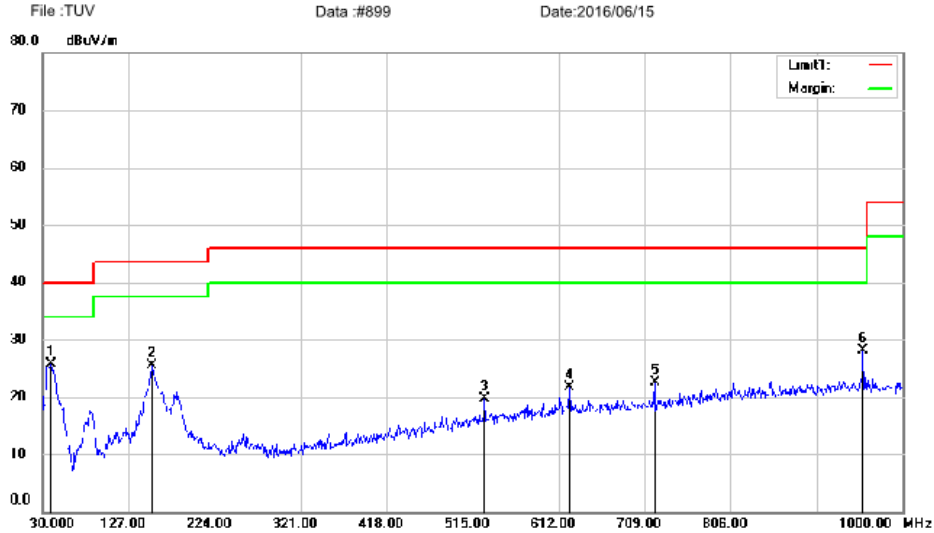
*:Maximum data x:Over limit !:over margin

Operator: CSL

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Radiated Emission Measurement



File :TUV Data :#899 Date:2016/06/15
Site 3m Chamber #3 Polarization: **Vertical** Temperature: 21 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
Mode:11B 2462
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	*	39.7000	56.36	-30.65	25.71	40.00	-14.29	QP	0	
2		153.1900	60.40	-34.94	25.46	43.50	-18.04	QP	0	
3		528.5800	43.17	-23.40	19.77	46.00	-26.23	QP	0	
4		624.6100	43.01	-21.29	21.72	46.00	-24.28	QP	0	
5		720.6400	42.42	-19.98	22.44	46.00	-23.56	QP	0	
6		955.3800	43.82	-15.69	28.13	46.00	-17.87	QP	0	

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

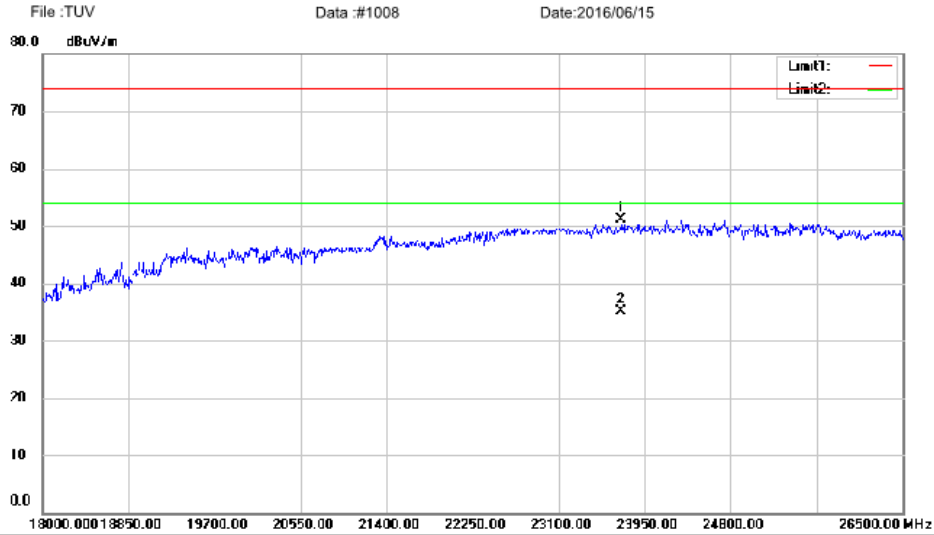
Operator: CSL

1GHz - 18GHz

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
Mode:11B 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		23720.50	88.47	-37.42	51.05	74.00	-22.95	peak	0	
2	*	23720.50	72.62	-37.42	35.20	54.00	-18.80	AVG	0	

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

Operator: KK

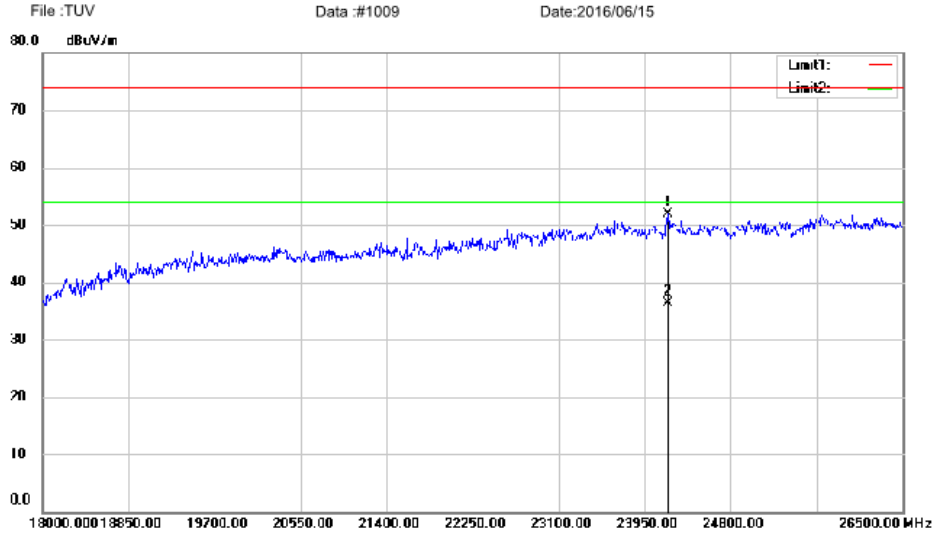
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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 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		24179.50	88.96	-37.11	51.85	74.00	-22.15	peak	0	
2	*	24179.50	73.41	-37.11	36.30	54.00	-17.70	AVG	0	

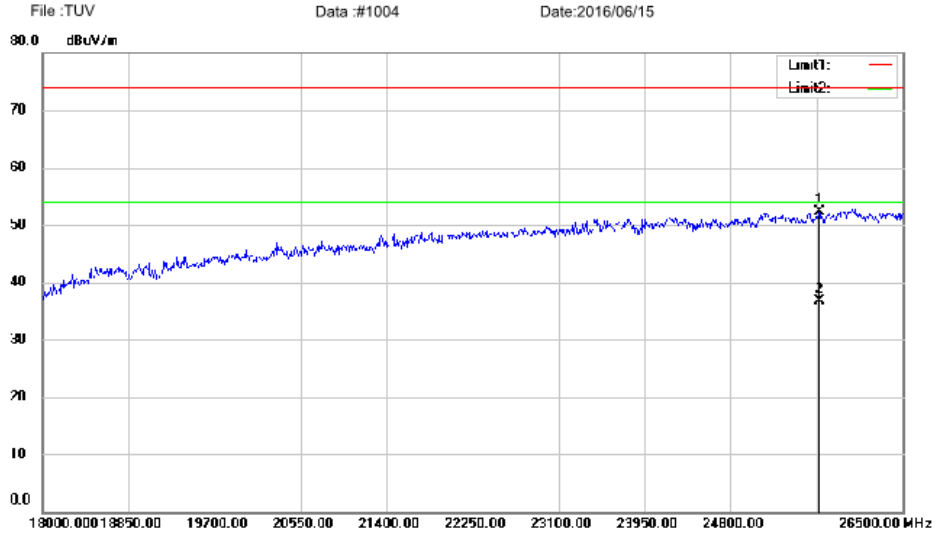
*:Maximum data x:Over limit !:over margin

Operator: KK

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 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		25675.50	88.46	-36.19	52.27	74.00	-21.73	peak	0	
2	*	25675.50	72.89	-36.19	36.70	54.00	-17.30	AVG	0	

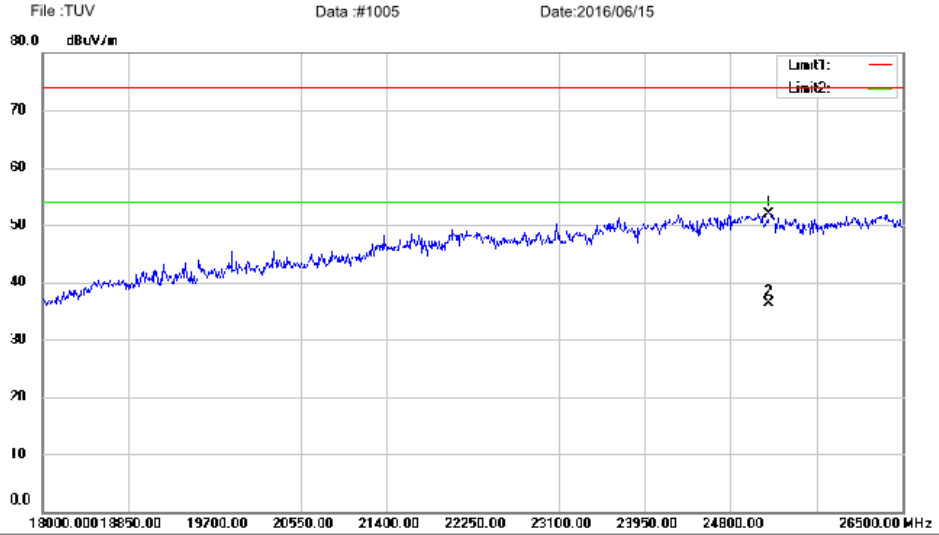
*:Maximum data x:Over limit !:over margin

Operator: KK

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 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		25182.50	88.73	-36.79	51.94	74.00	-22.06	peak	0		
2	*	25182.50	73.19	-36.79	36.40	54.00	-17.60	AVG	0		

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

Operator: KK

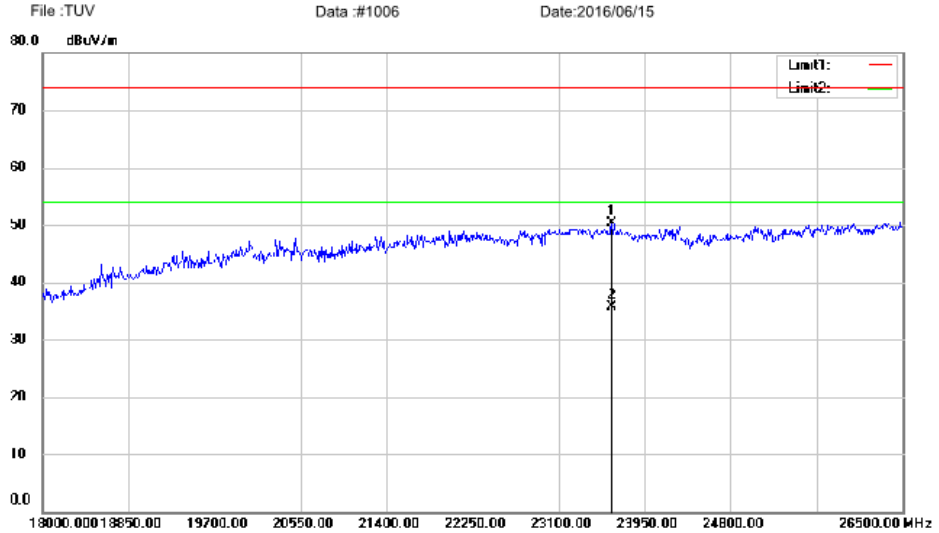
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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
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
1		23627.00	87.86	-37.52	50.34	74.00	-23.66	peak	0
2	*	23627.00	73.22	-37.52	35.70	54.00	-18.30	AVG	0

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

Operator: KK

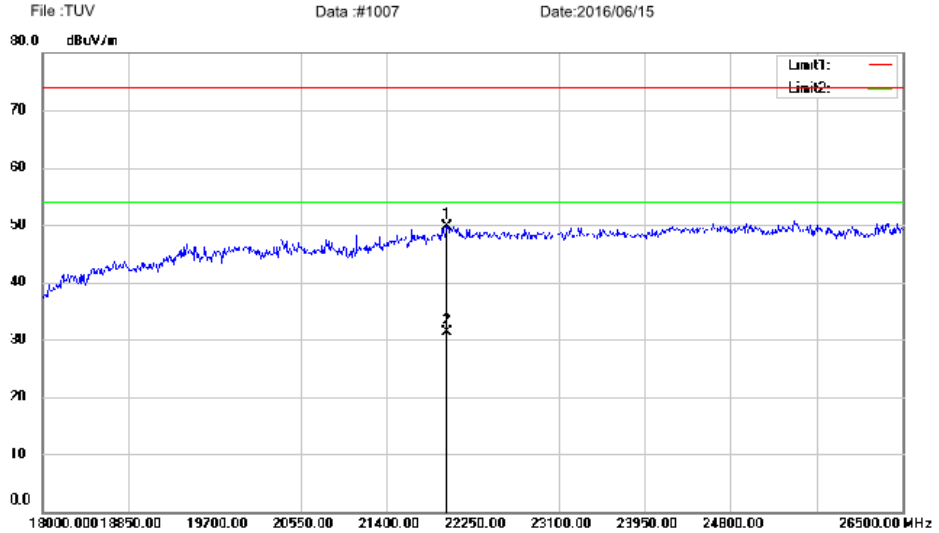
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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 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
1		21995.00	89.95	-40.20	49.75	74.00	-24.25	peak	0
2	*	21995.00	71.60	-40.20	31.40	54.00	-22.60	AVG	0

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

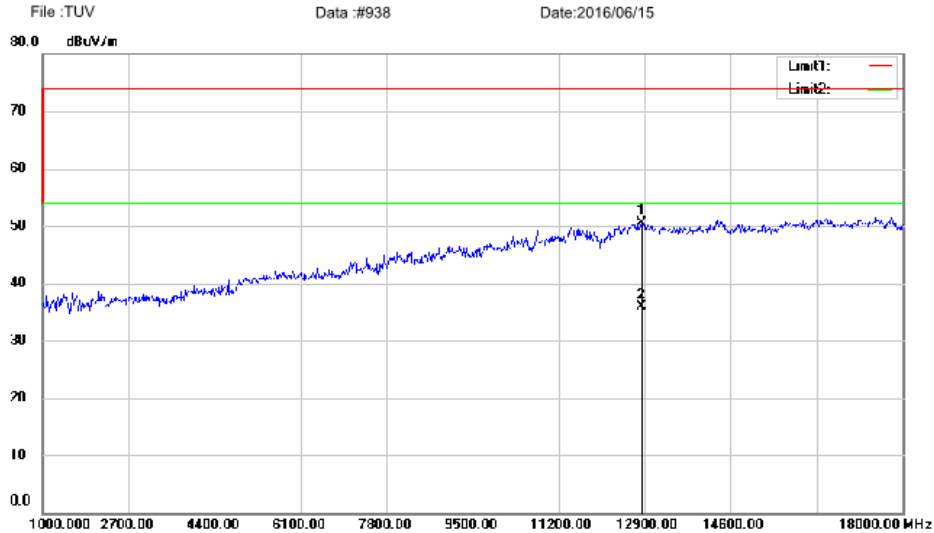
Operator: KK

18GHz - 26GHz

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 Mode:11B 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
1		12832.00	63.29	-12.86	50.43	74.00	-23.57	peak	0
2	*	12832.00	48.76	-12.86	35.90	54.00	-18.10	AVG	0

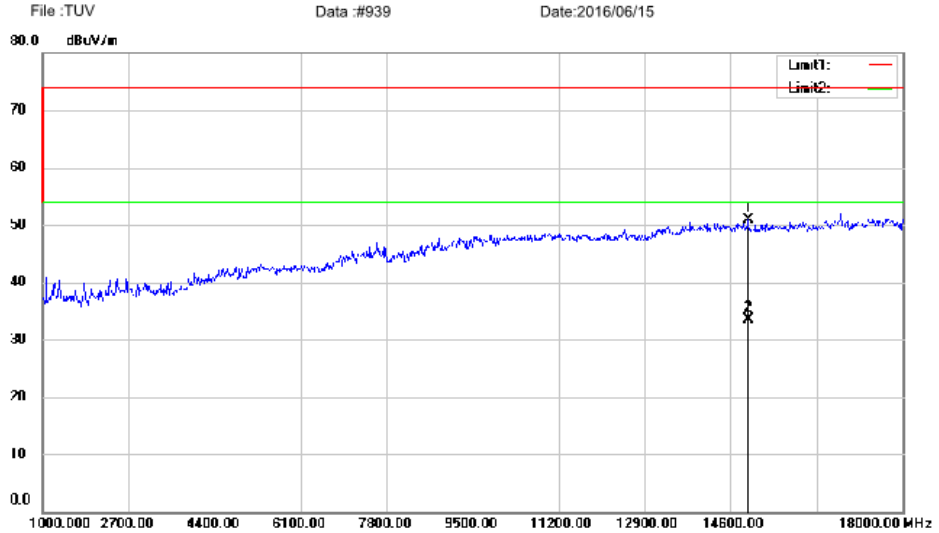
*:Maximum data x:Over limit !:over margin

Operator:

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 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		14940.00	60.37	-9.48	50.89	74.00	-23.11	peak	0	
2	*	14940.00	43.08	-9.48	33.60	54.00	-20.40	AVG	0	

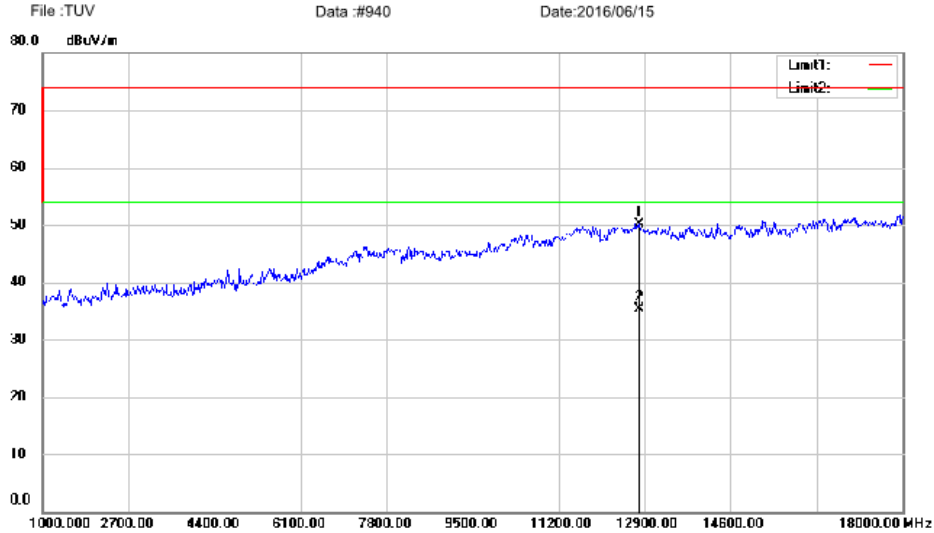
*:Maximum data x:Over limit !:over margin

Operator:

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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: MID721-RB
 Mode:11B 2437
 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
1		12798.00	63.00	-12.88	50.12	74.00	-23.88	peak	0
2	*	12798.00	48.28	-12.88	35.40	54.00	-18.60	AVG	0

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

Operator: