

Prüfbericht-Nr.: <i>Test Report No.:</i>	17051839 002	Auftrags-Nr.: <i>Order No.:</i>	164042267	Seite 1 von 155 <i>Page 1 of 155</i>					
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	30.07.2015						
Auftraggeber: <i>Client:</i>	Lightcomm Technology Co., Ltd. RM1708-10, 17/F, PROSPERITY CENTRE, 25 CHONG YIP STREET, KWUN TONG, HONG KONG								
Prüfgegenstand: <i>Test item:</i>	10.1" Wi-Fi Android™ Tablet								
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	DL1018A, MID1016-MA								
Auftrags-Inhalt: <i>Order content:</i>	FCC 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								
Wareneingangsdatum: <i>Date of receipt:</i>	10.08.2015								
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000243804-004, A000243804-005, A000243804-006								
Prüfzeitraum: <i>Testing period:</i>	12.08.2015 - 24.08.2015								
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: <i>Reviewed by:</i>			kontrolliert von / reviewed by: <i>Reviewed by:</i>						
11.09.2015	Lin Lin/Project Manager	Datum Date	Name / Stellung Name / Position	Unterschrift Signature	11.09.2015	Owen Tian/Senior Project Manager	Datum Date	Name / Stellung Name / Position	Unterschrift Signature
Sonstiges / Other:									
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(pass) = entspricht o.g. Prüfgrundlage(n) F(fail) = 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(pass) = passed a.m. test specification(s) F(fail) = failed a.m. test specification(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									

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TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 PEAK OUTPUT POWER

RESULT: Pass

5.1.3 6dB 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

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Shenzhen EMTEK Co., Ltd.

(FCC Registration No.: 709623)

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	2016-05-16
Loop Antenna	Schwarzbeck	FMZB 1519	1519-012	2016-05-16
Cable	H+B	3M SF104-26.5	295838/4	2016-05-28
Cable	H+B	6M SF104-26.5	295840/4	2016-05-28
Pre-Amplifier	HP	8447F	2944A07999	2016-05-16
Bilog Antenna	Schwarzbeck	VULB9163	142	2016-05-28
Cable	Schwarzbeck	AK9513	ACRX1	2016-05-16
Cable	Rosenberger	N/A	FP2RX2	2016-05-16
Cable	Schwarzbeck	AK9513	CRPX1	2016-05-28
Cable	Schwarzbeck	AK9513	CRRX2	2016-05-28
Pre-Amplifier	A.H.	PAM-0126	1415261	2016-05-16
Horn Antenna	Schwarzbeck	BBHA 9120	707	2016-05-28
Pre-Amplifier	A.H.	PAM-0126	1415261	2016-05-16
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA91703 99	2016-05-16
EMI Test Receiver	Rohde & Schwarz	FSV40	132.1- 3008K39- 100967-AP	2016-05-16
Pre-Amplifier	Lunar EM	LNA26G40-40	J101313102 8001	2016-05-16
Horn Antenna	AHS/USA	SAS-573	184	2016-05-16
Cable	H+B	0.5M SF104-26.5	289147/4	2016-05-16
Cable	H+B	3M SF104-26.5	295838/4	2016-05-16
Cable	H+B	6M SF104-26.5	295840/4	2016-05-16
Radio Spectrum Test				
EMI Test Receiver	Rohde & Schwarz	ESCI	101045	2016-05-16
Vector Signal Generator	Agilent	N5182B	My53050553	2016-05-28
Analog Signal Generator	Agilent	N5171B	My53050878	2016-05-28
Signal Analyzer	Agilent	N9010A	My53470879	2016-05-28
Power Meter	Agilent	PS-X10-100	N/A	2016-05-28
Temp. / Humidity Chamber	Kingson	THS-M1	242	2016-05-28
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	828985/018	2016-05-16
L.I.S.N.	Schwarzbeck	NNLK8129	8129203	2016-05-16
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	2016-05-16
Voltage Probe	Rohde & Schwarz	TK9416	N/A	2016-05-16
I.S.N	Rohde & Schwarz	ENY22	1109.9508.02	2016-05-16
50Ω Coaxial Switch	Anritsu	MP59B	M20531	2016-05-16

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.

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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 10.1" tablet with Wi-Fi, Bluetooth function.
 These 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	10.1" Wi-Fi Android™ Tablet
Type Designation	DL1018A, MID1016-MA
FCC ID	XMF-MID1016
Operating Frequency band	2412 – 2462MHz
Extreme Temperature Range	-30~+75°C
Operation Voltage	DC 3.7V (via built in battery) DC 5V (via AC/DC adapter)
Antenna Gain	1.18dBi

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 ~ 2472	2412 ~ 2472	2412 ~ 2472	2422 ~ 2452
Channel Number	13	13	13	9
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)	16	12	12	11
Media Access Protocol	CSMA/CA with ACK	CSMA/CA with ACK	CSMA/CA with ACK	CSMA/CA with ACK

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*Test Report No.*Seite 9 von 155
Page 9 of 155**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.
According to clause 3.1, all tests were applied on model MID1016-MA only.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	Rating
AC/DC Adapter	TEKA	TEKA012-0502000UK	Input: AC 100-240V, 50/60Hz, 0.35A Output: DC 5V, 2A

The EUT was tested with following cables:

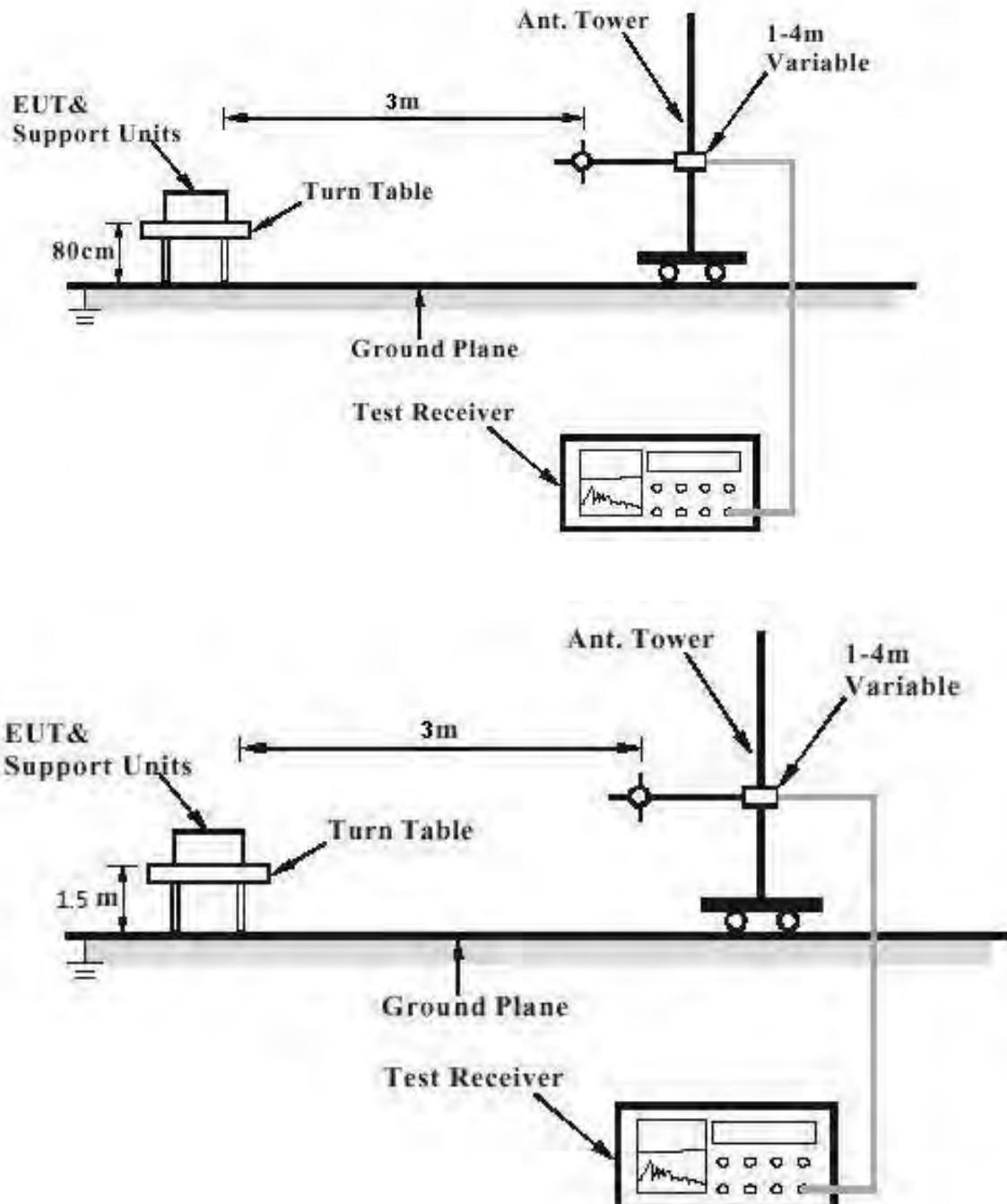
Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains of adapter	2 cores, non-shielded port, 3m	AC Power Input
Micro USB port	4 cores, non-shielded port, 3m	DC Power Input

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



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Diagram of Measurement Equipment Configuration for Conduction Measurement

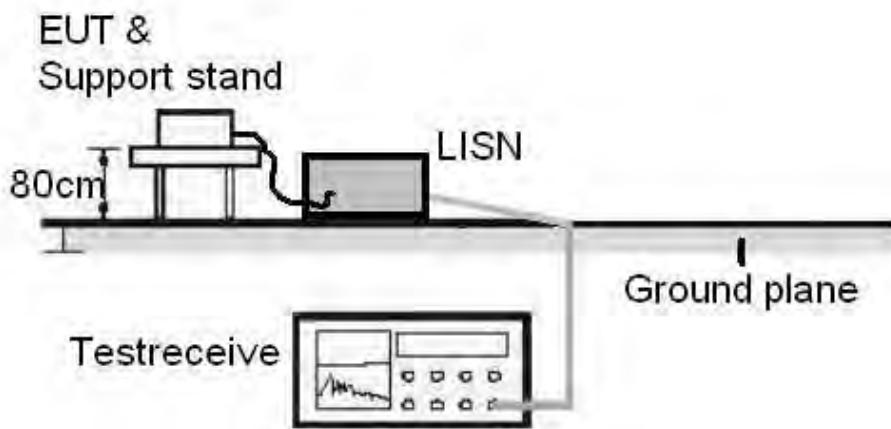
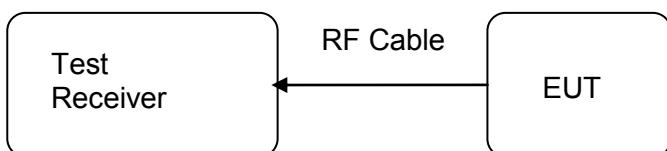


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: Pass

Test standard	:	Part 15.203
		RSS-Gen Clause 6.7
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 1.18dBi, 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.

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5.1.2 Peak Output Power

RESULT:

Pass

Test date	:	2015-08-12
Test standard	:	FCC Part 15.247(b)(3)
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	18.82	30
Middle Channel	2437	18.60	30
High Channel	2462	18.65	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	19.90	30
Middle Channel	2437	19.93	30
High Channel	2462	19.83	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	19.70	30
Middle Channel	2437	19.66	30
High Channel	2462	19.66	30

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*Test Report No.*Seite 15 von 155
Page 15 of 155**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	18.71	30
Middle Channel	2437	18.76	30
High Channel	2452	18.32	30

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5.1.3 6dB Bandwidth

RESULT:

Pass

Date of testing : 2015-08-12
 Test standard : FCC Part 15.247(a)(2)
 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 of 802.11b

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
Low Channel	2412	10.02
Mid Channel	2437	10.02
High Channel	2462	10.02

Table 11: Test result of 6dB Bandwidth of 802.11g

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
Low Channel	2412	15.18
Mid Channel	2437	15.18
High Channel	2462	15.48

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

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
Low Channel	2412	15.18
Mid Channel	2437	15.18
High Channel	2462	15.18

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

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
Low Channel	2422	36.35
Mid Channel	2437	35.32
High Channel	2452	36.35

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5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth

RESULT:

Pass

Date of testing	:	2015-08-12
Test standard	:	FCC part 15.247(d)
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

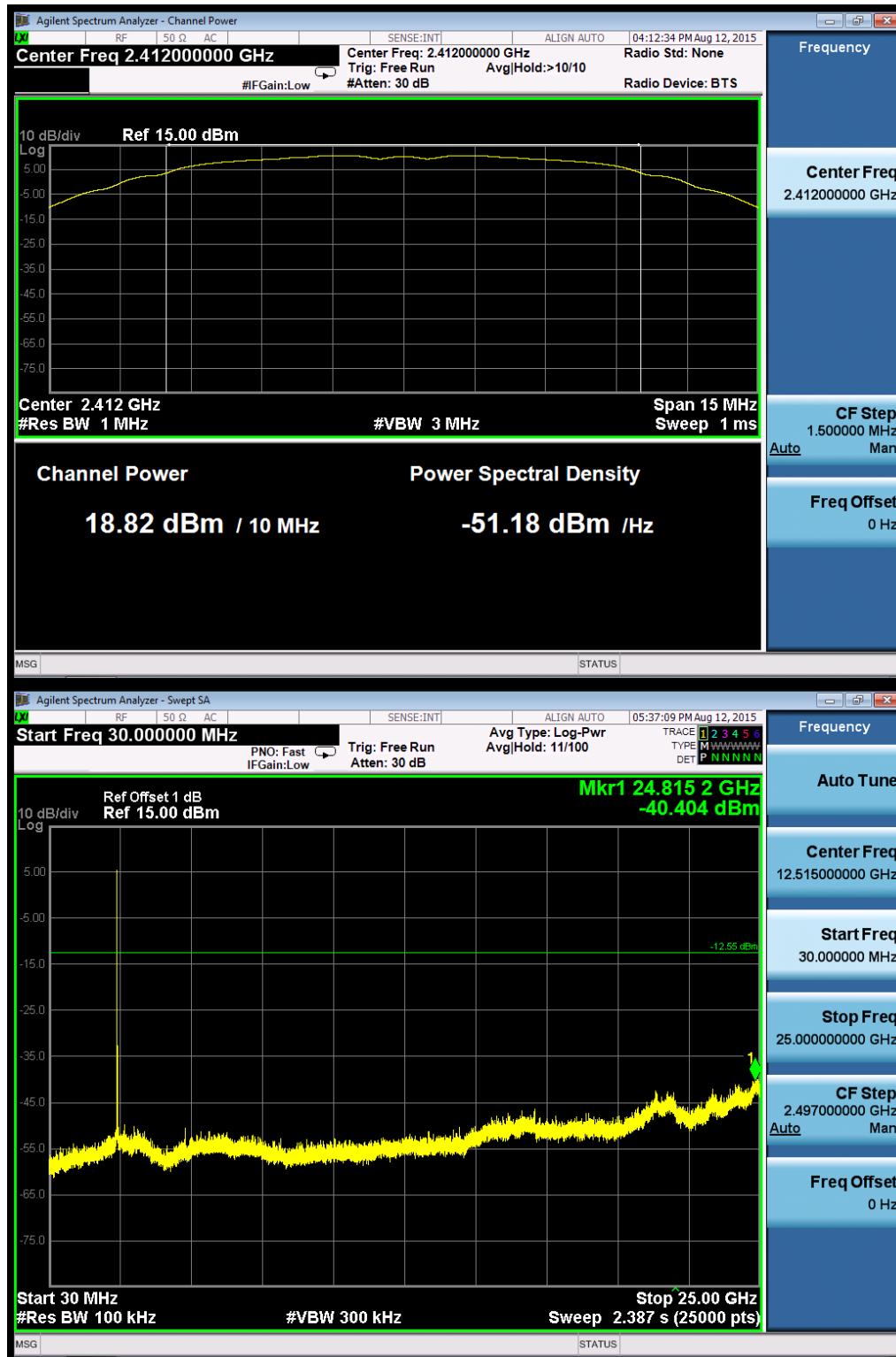
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	25°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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



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Middle Channel



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High Channel



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Band Edge



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

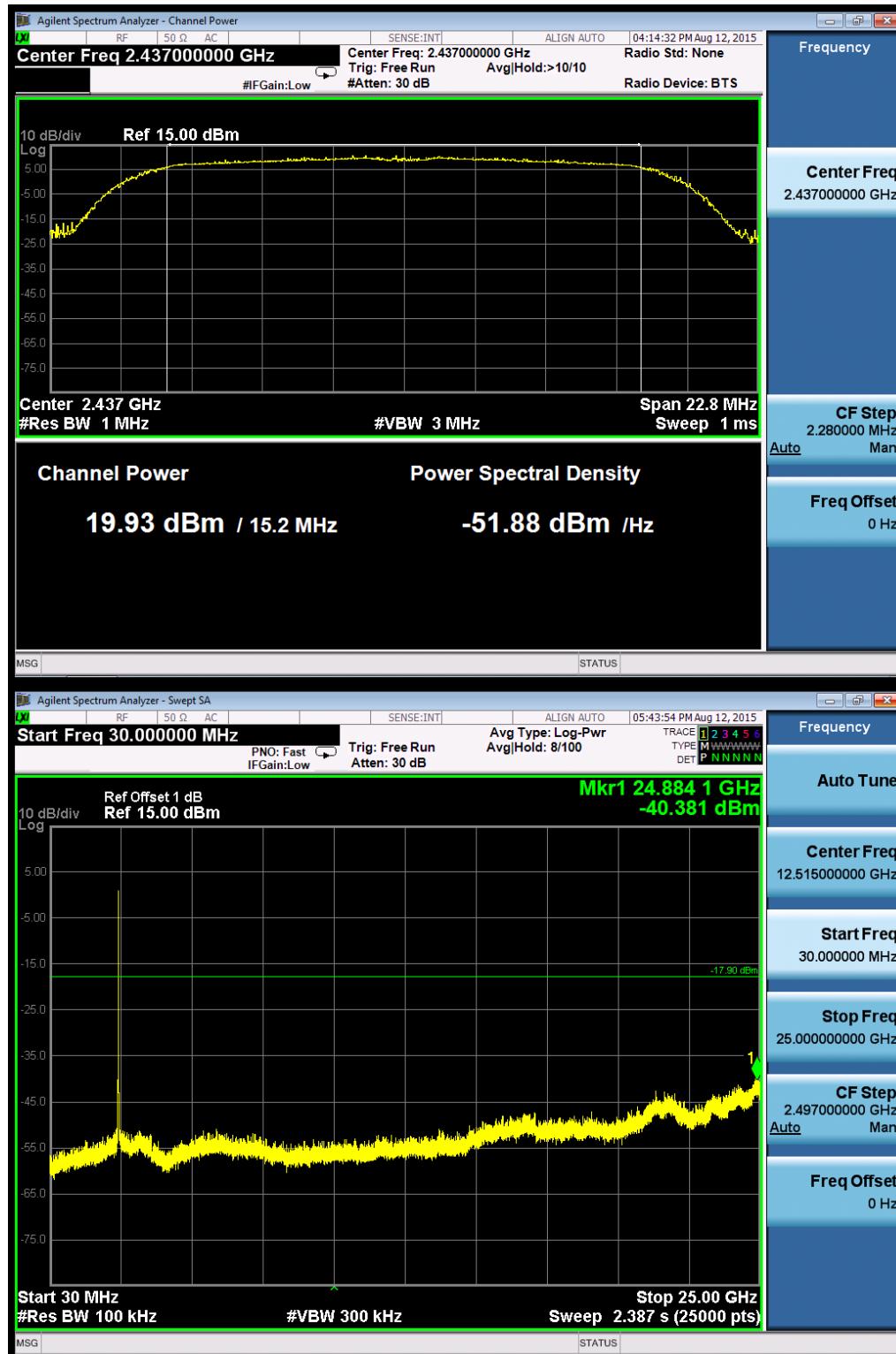


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Middle Channel



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High Channel



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Band Edge



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

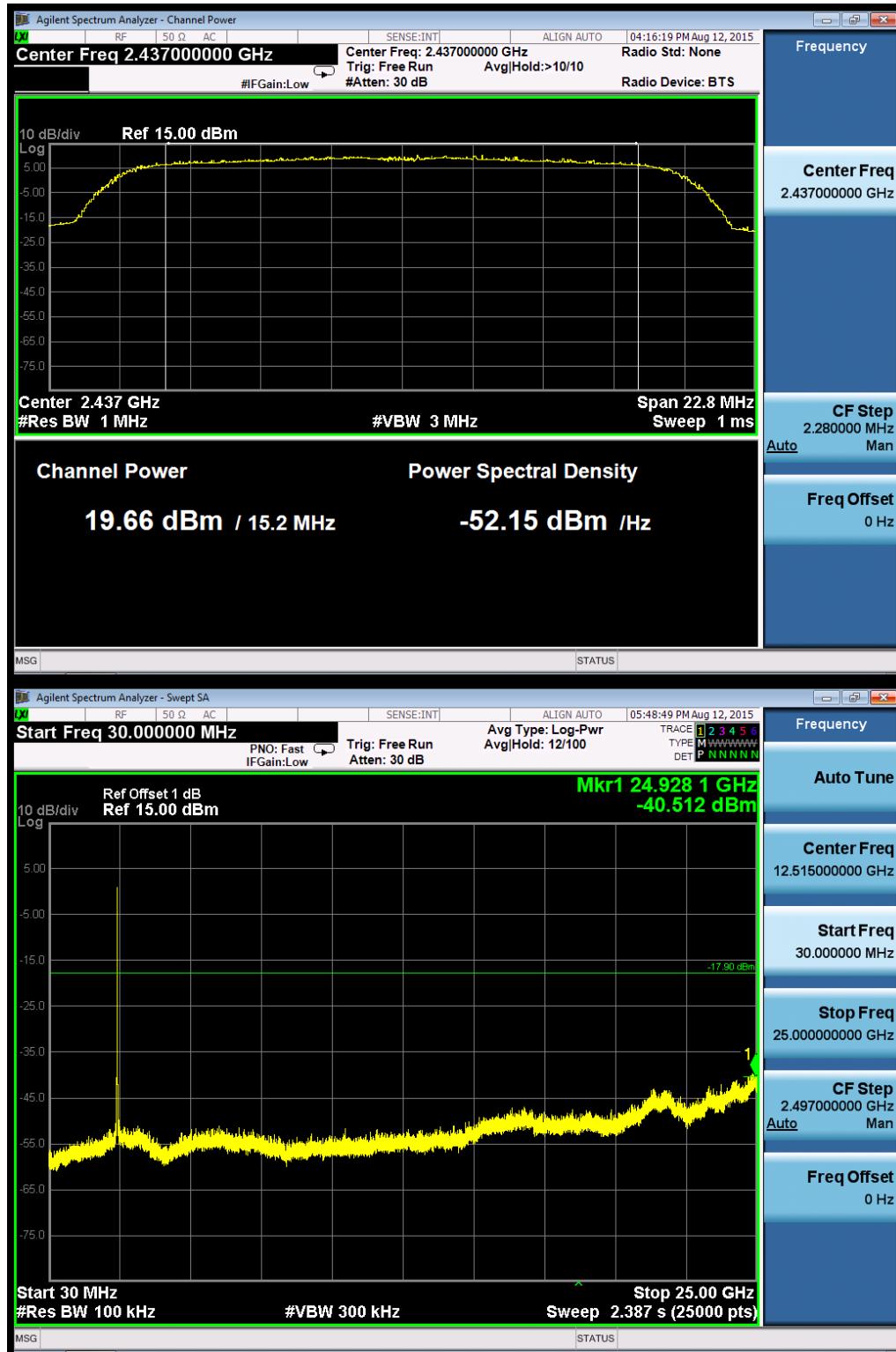


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Middle Channel

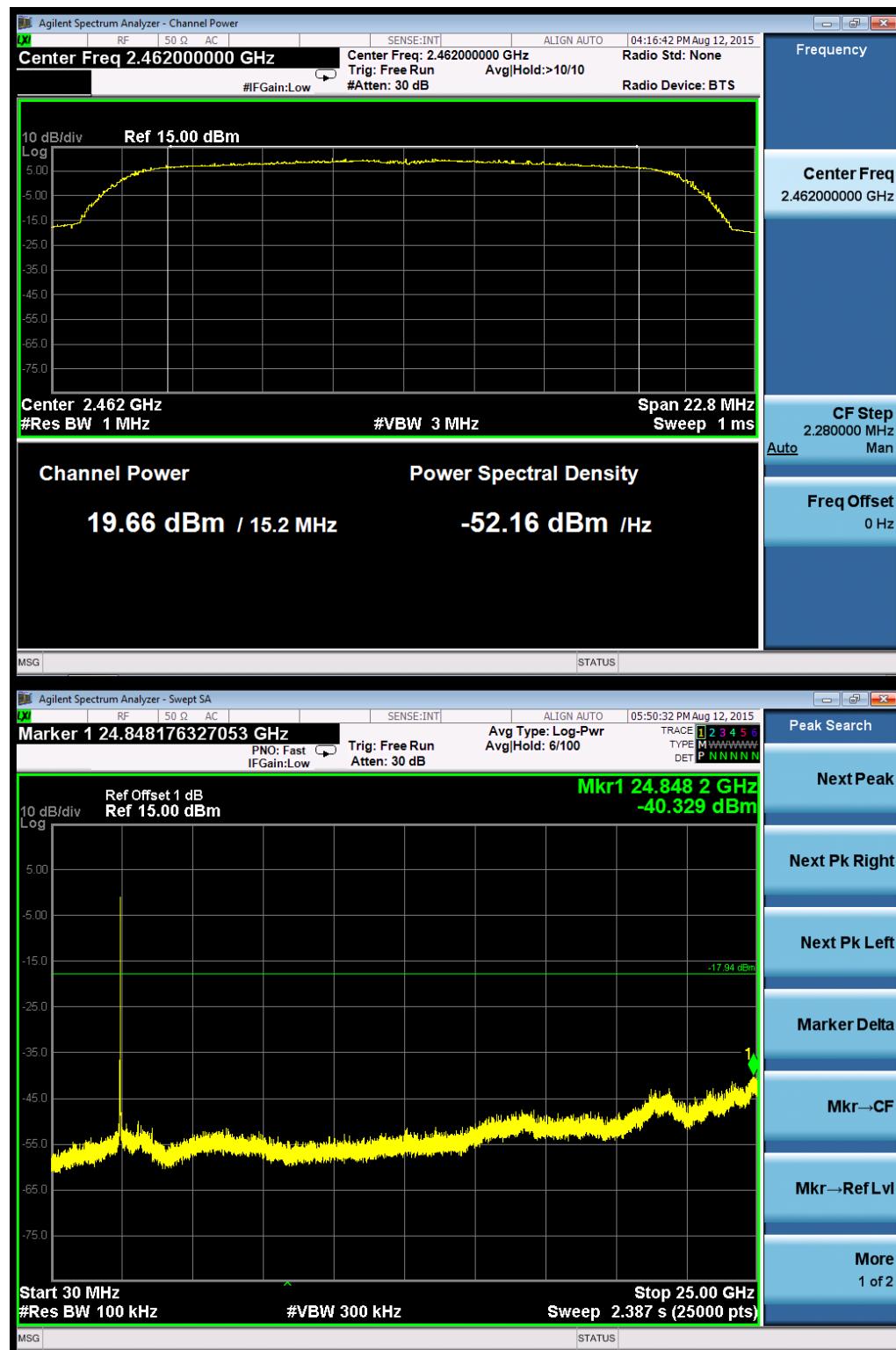


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High Channel



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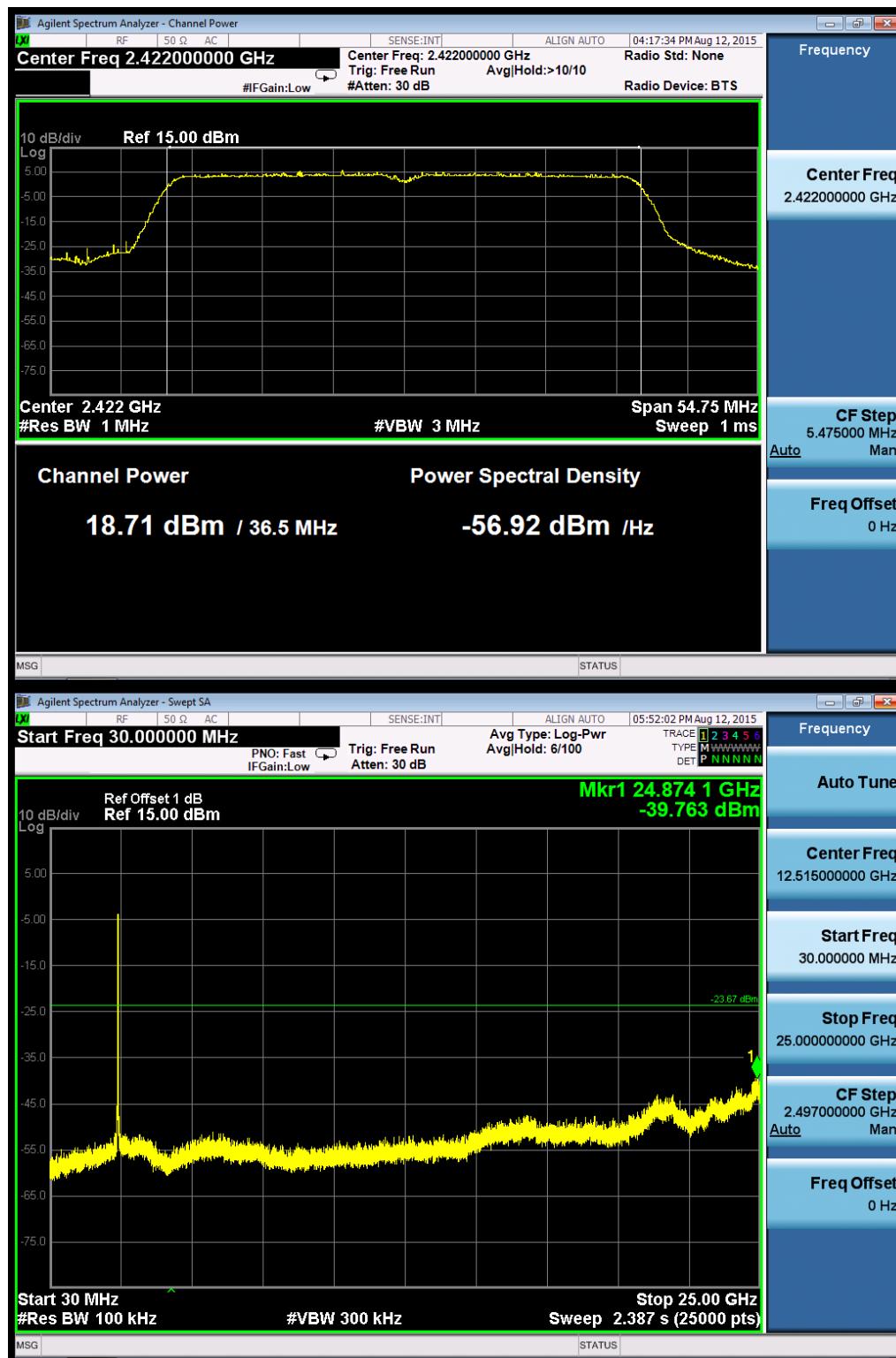
Band Edge



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



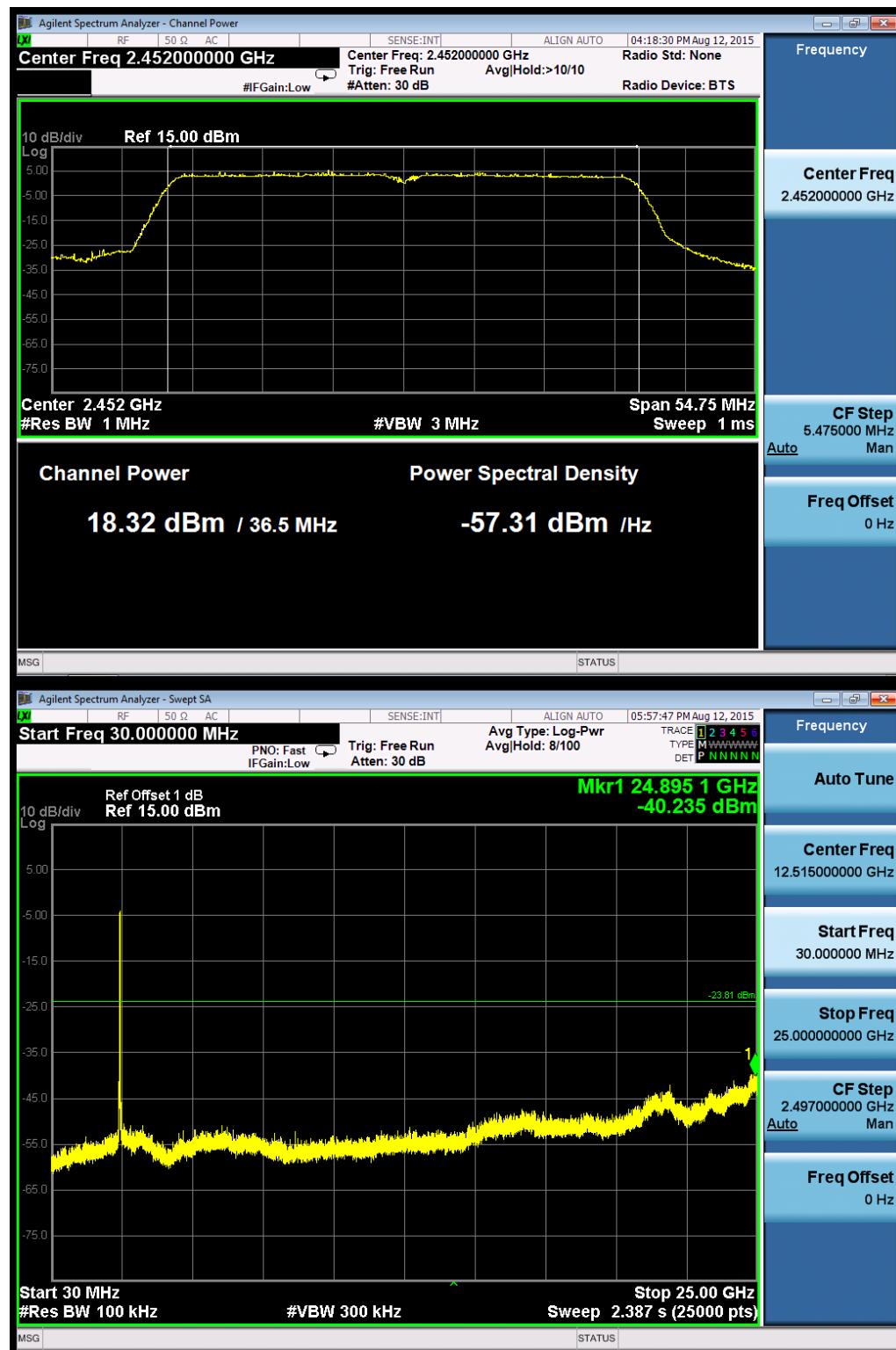
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Middle Channel



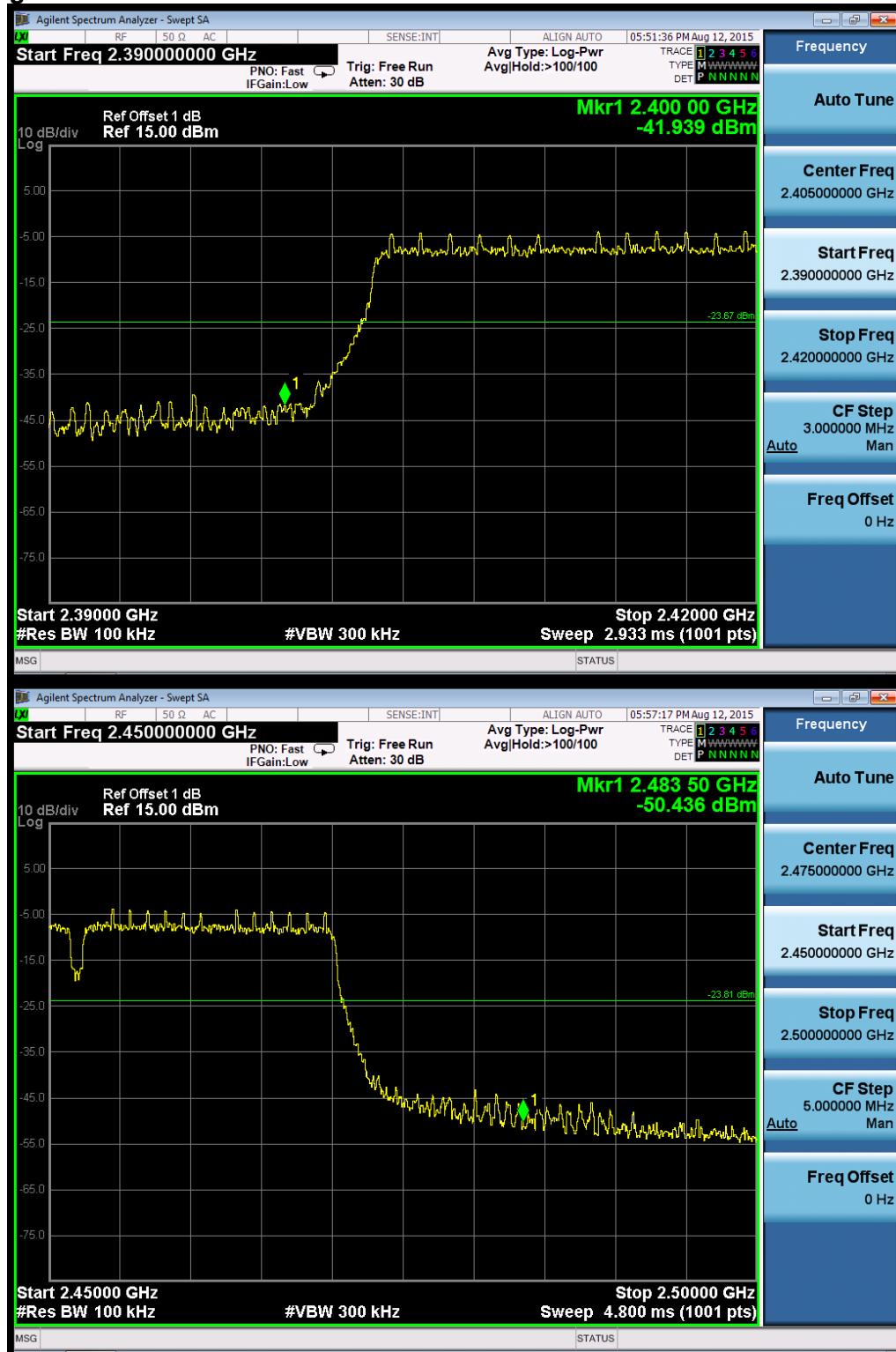
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Band Edge



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5.1.5 Power spectral density

RESULT:

Pass

Date of testing : 2015-08-12
 Test standard : FCC part 15.247(e)
 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	-6.304	8	Pass
		2437	-4.991	8	Pass
		2462	-6.445	8	Pass
802.11g		2412	-10.609	8	Pass
		2437	-12.547	8	Pass
		2462	-12.075	8	Pass
802.11n (HT20)		2412	-12.757	8	Pass
		2437	-11.945	8	Pass
		2462	-12.824	8	Pass
802.11n (HT40)		2422	-18.251	8	Pass
		2437	-18.004	8	Pass
		2452	-18.268	8	Pass

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5.1.6 Spurious Emission

RESULT:

Pass

Date of testing	:	2015-08-17
Test standard	:	FCC part 15.247(d)
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

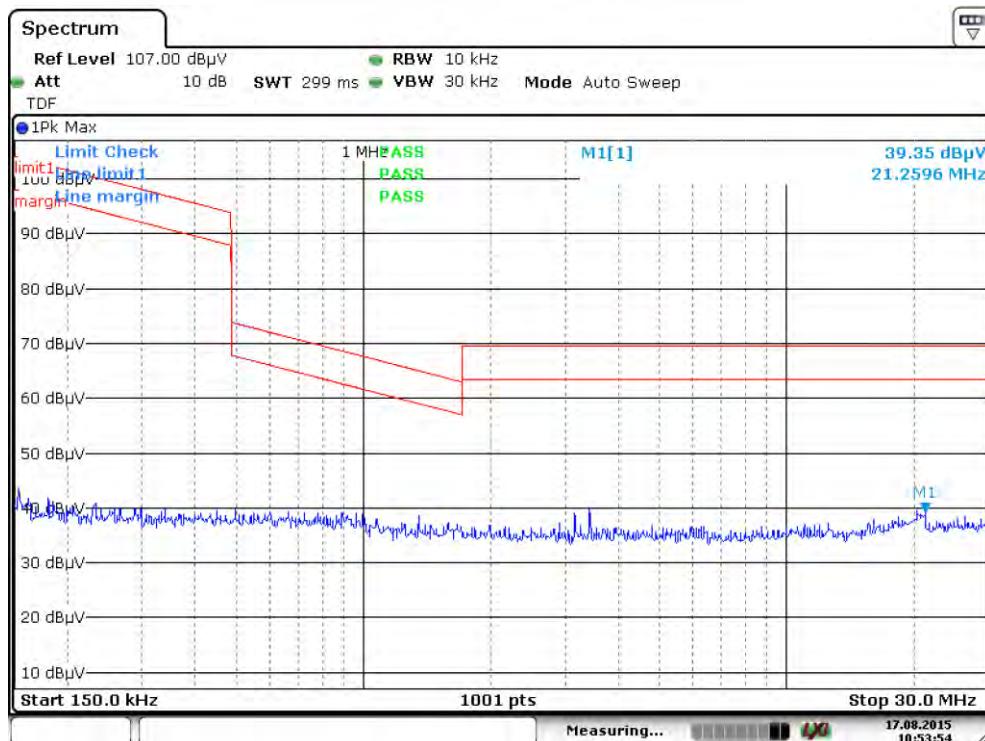
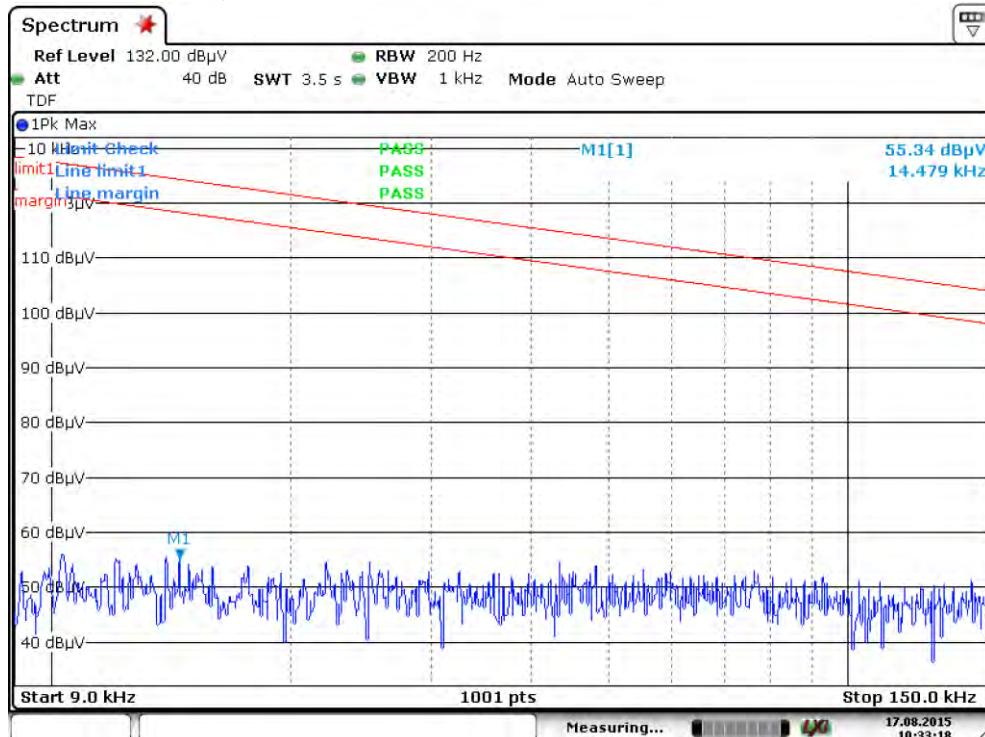
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1
Ambient temperature	:	24°C
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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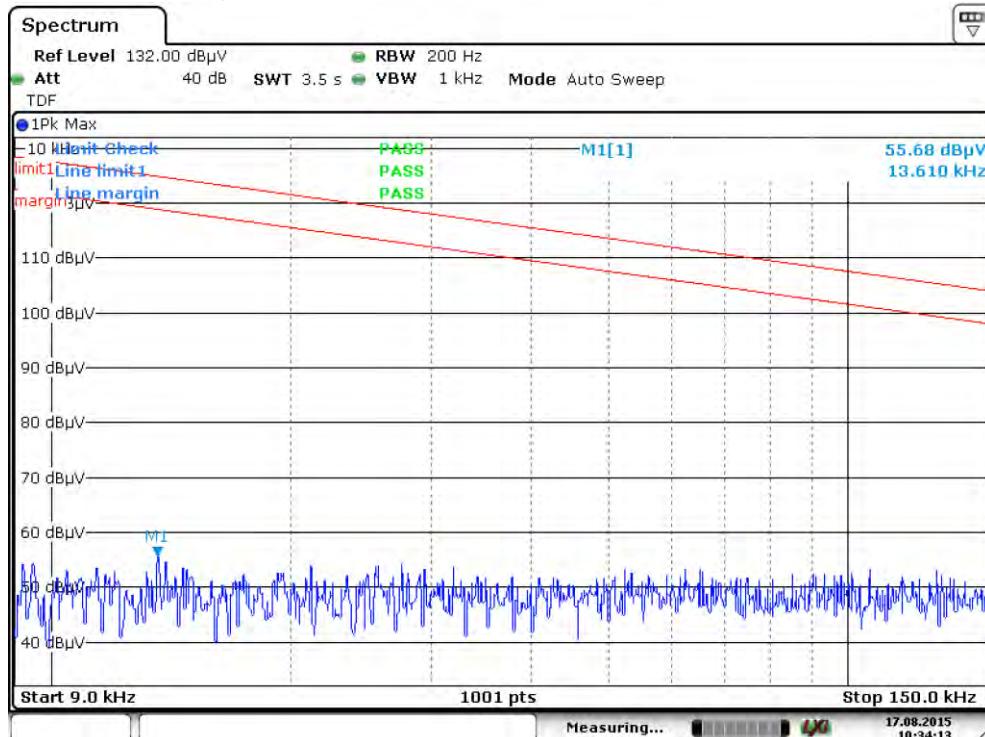
Test Plot of 802.11b, Low Channel - X



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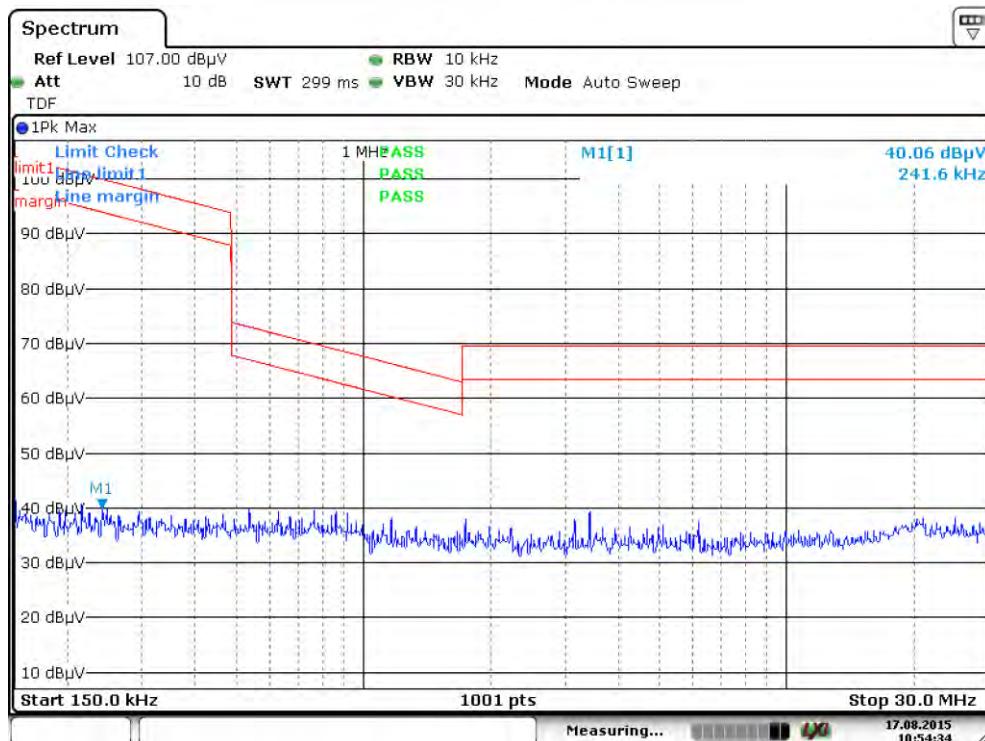
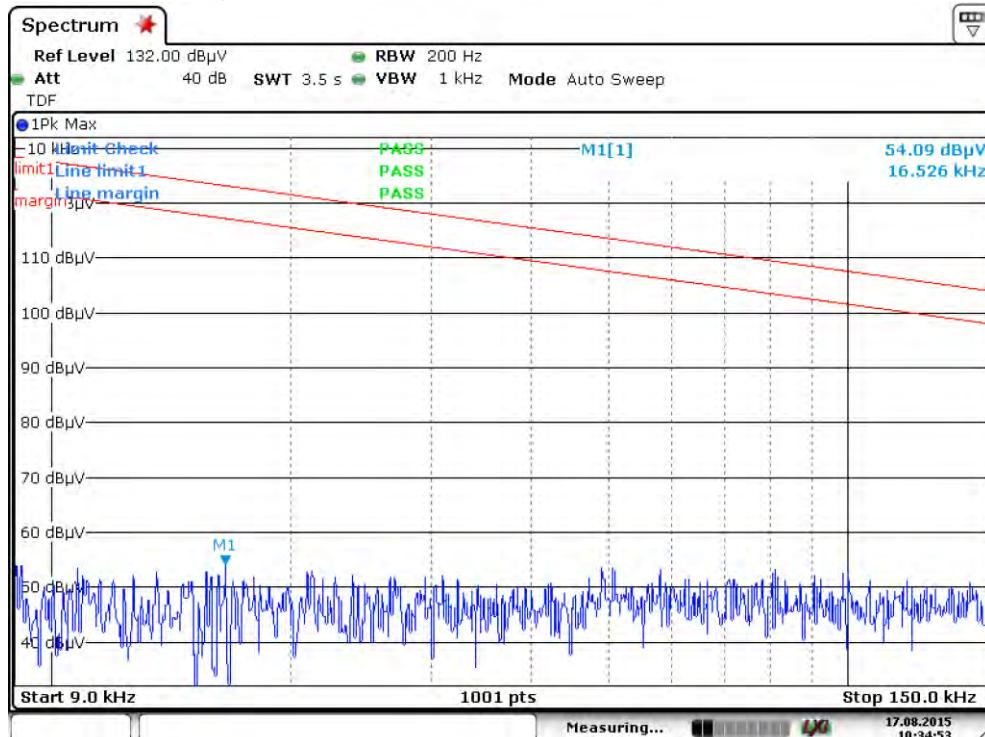
Test Plot of 802.11b, Low Channel - Y



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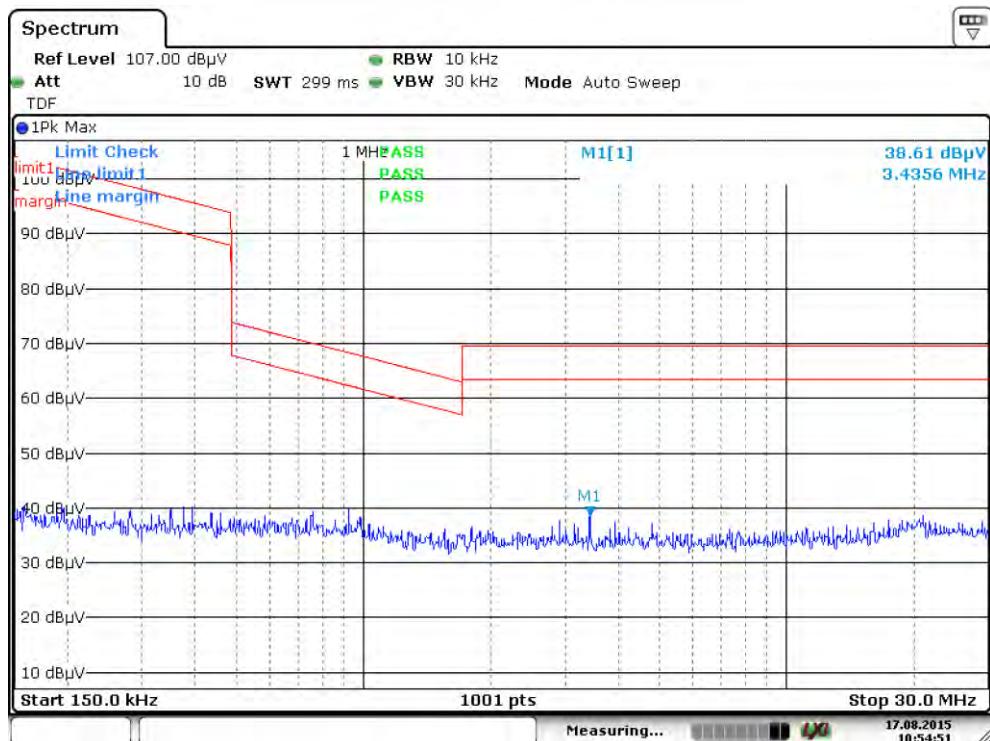
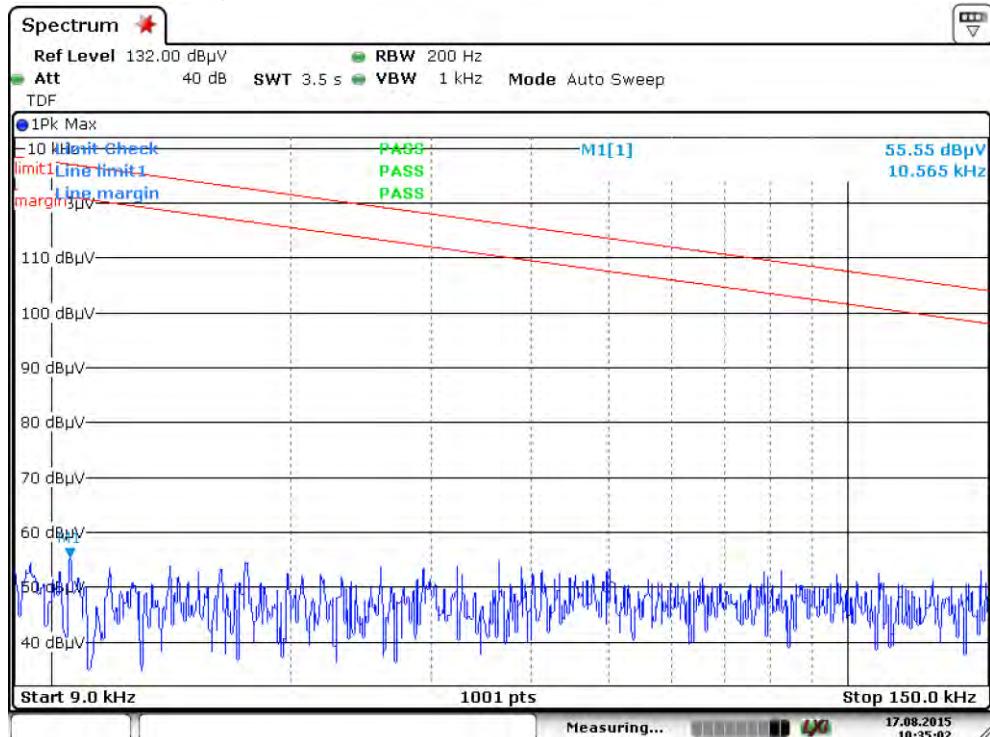
Test Plot of 802.11b, Low Channel - Z



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Test Plot of 802.11b, Middle Channel - X

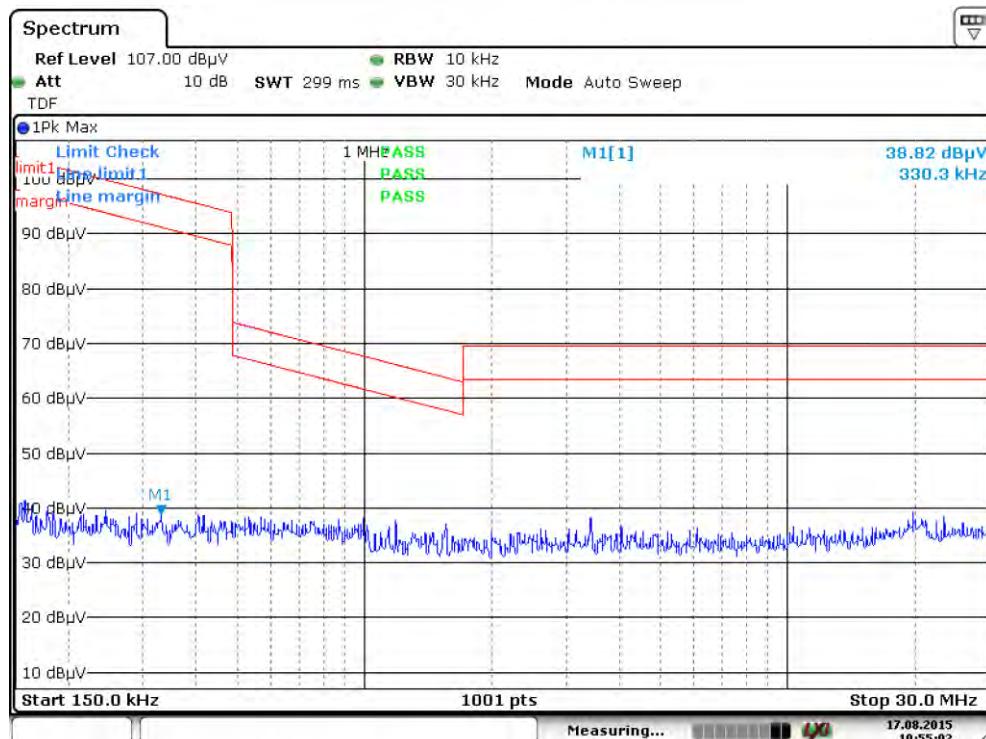
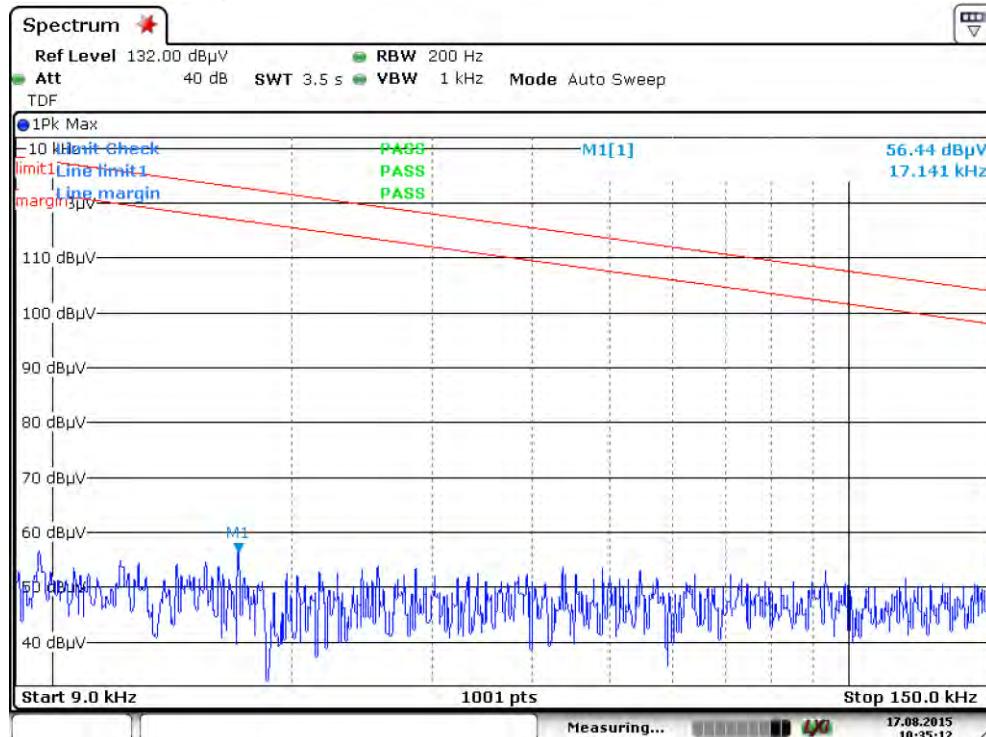


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Test Plot of 802.11b, Middle Channel - Y

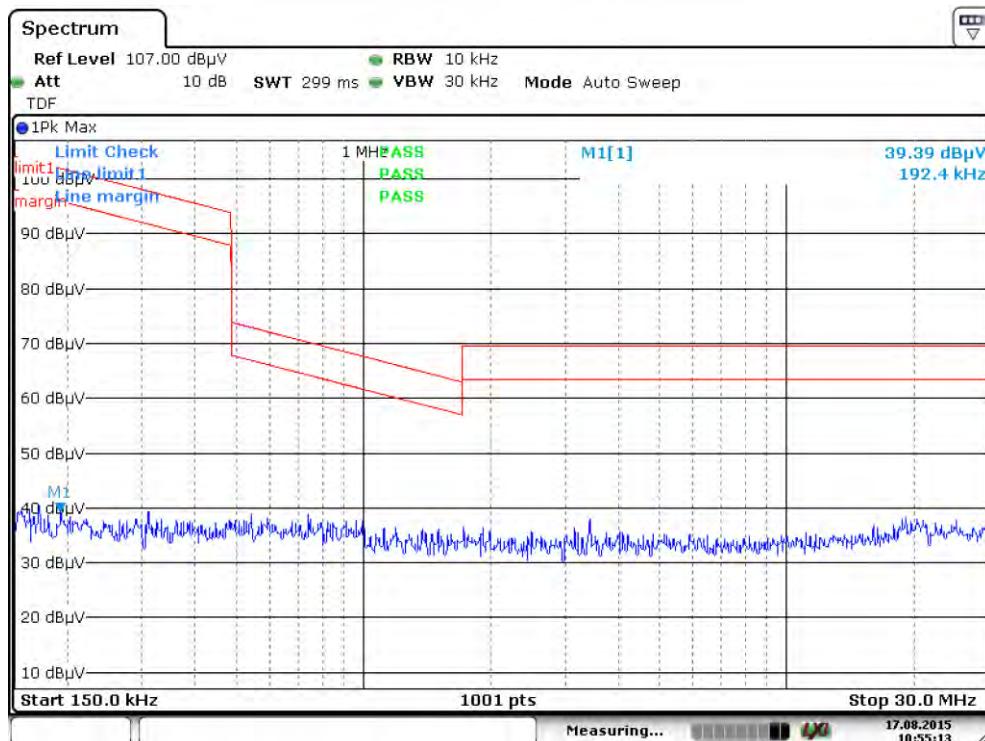
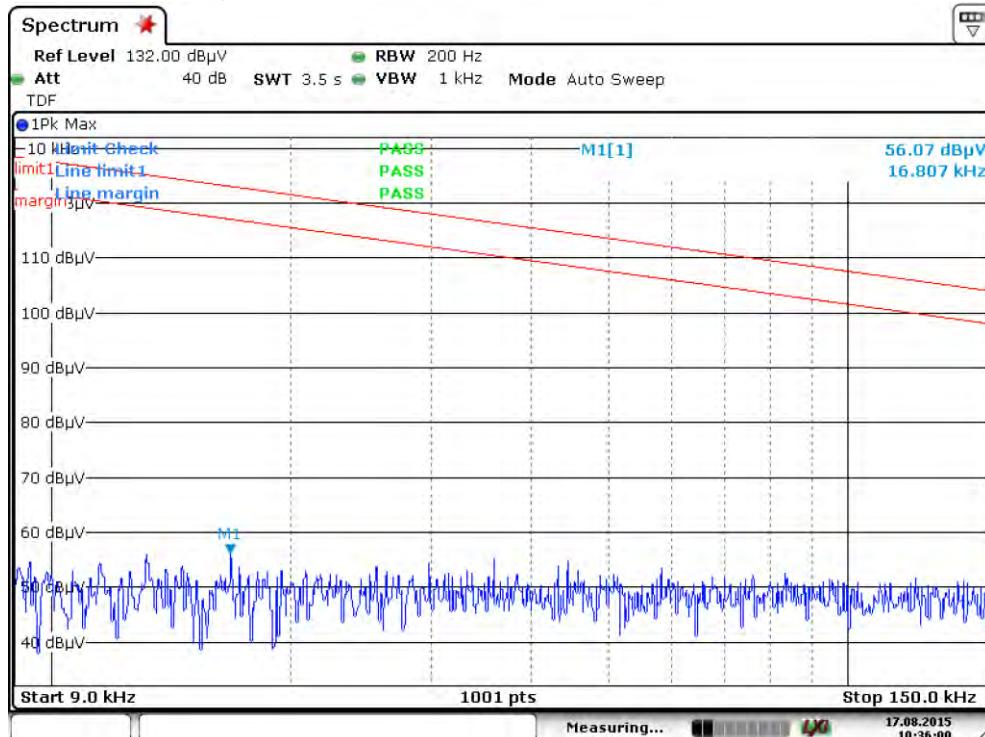


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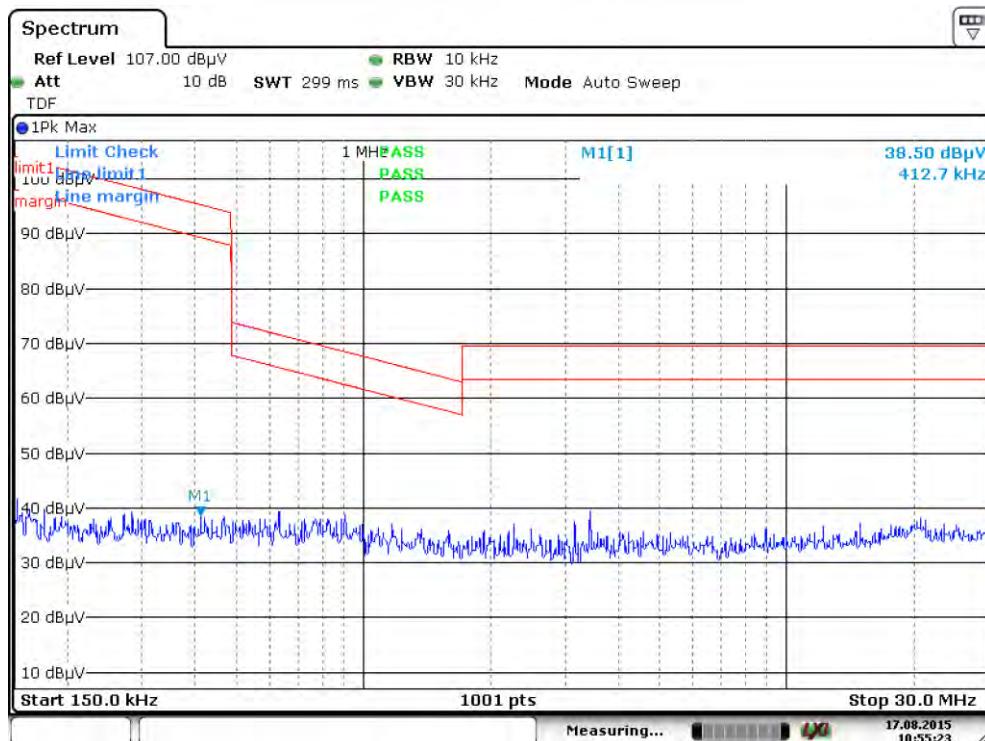
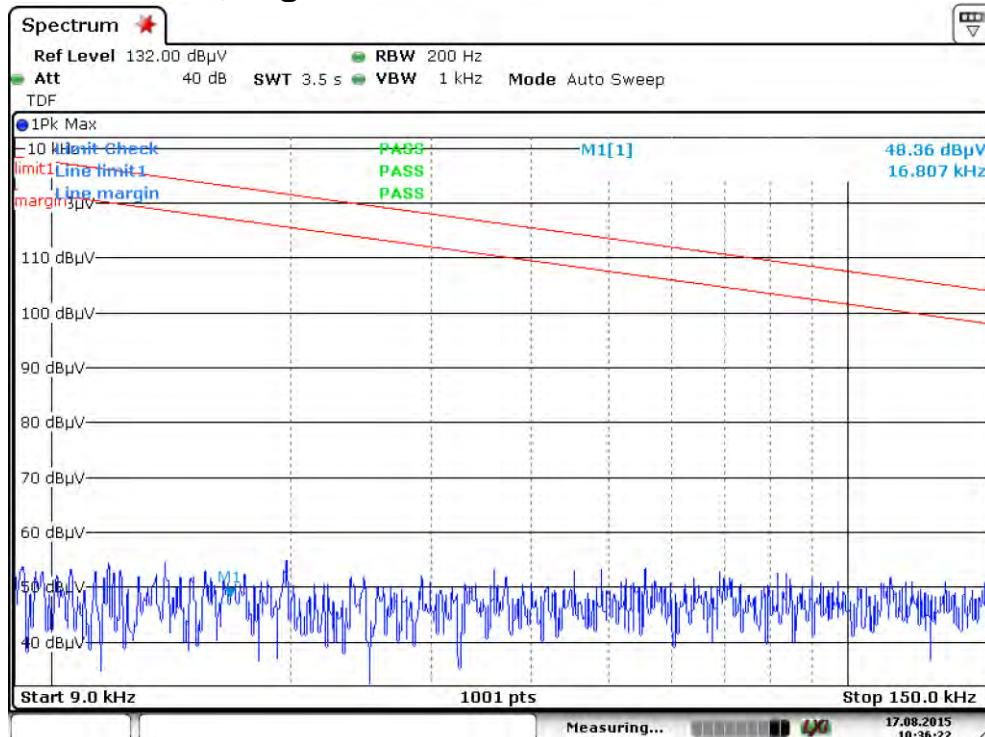
Test Plot of 802.11b, Middle Channel - Z



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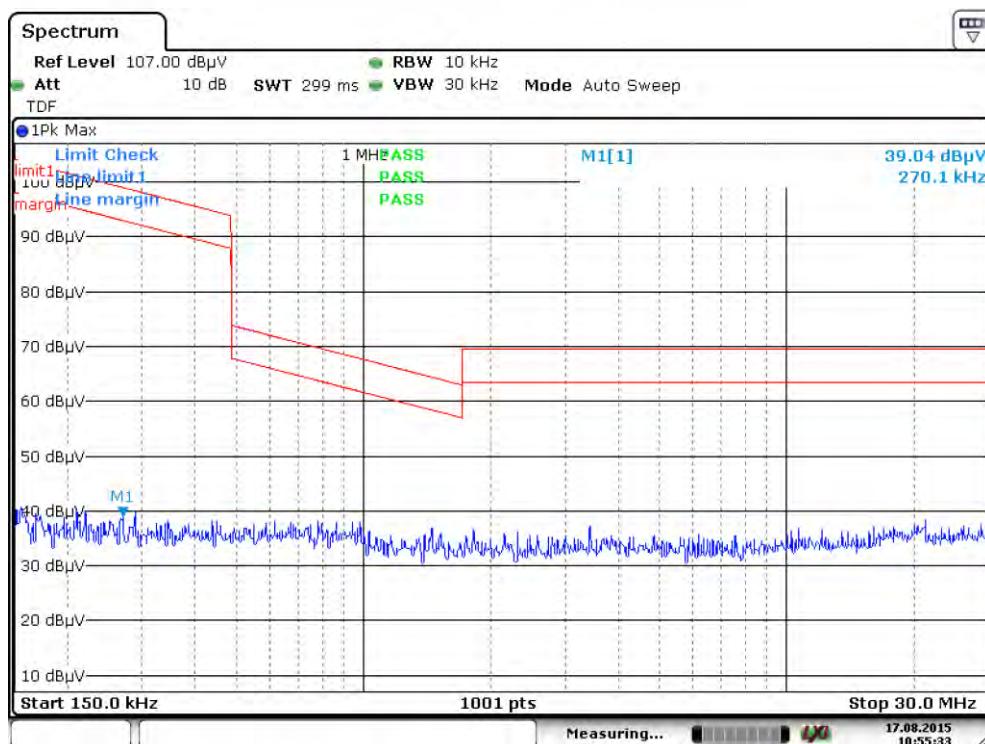
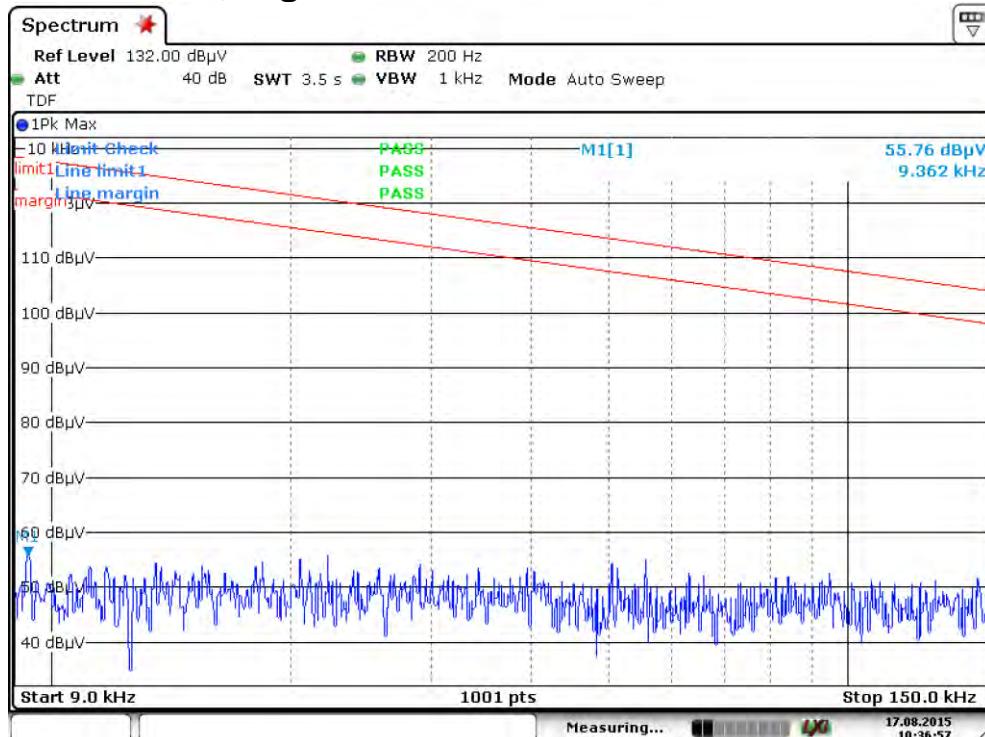
Test Plot of 802.11b, High Channel - X



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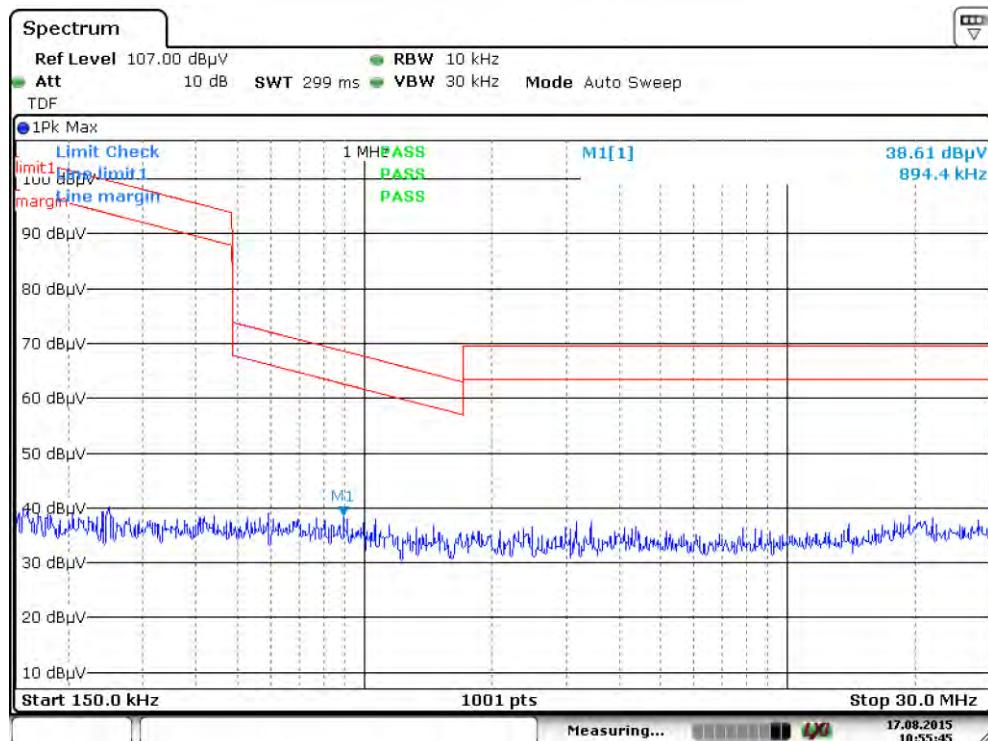
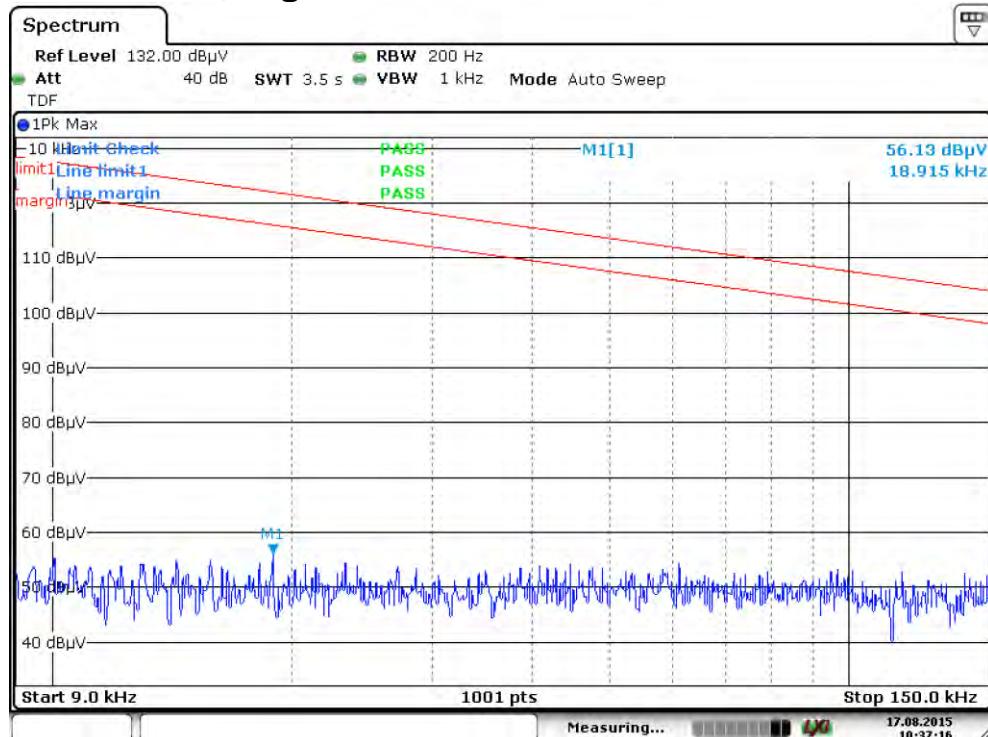
Test Plot of 802.11b, High Channel - Y



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Test Plot of 802.11b, High Channel - Z



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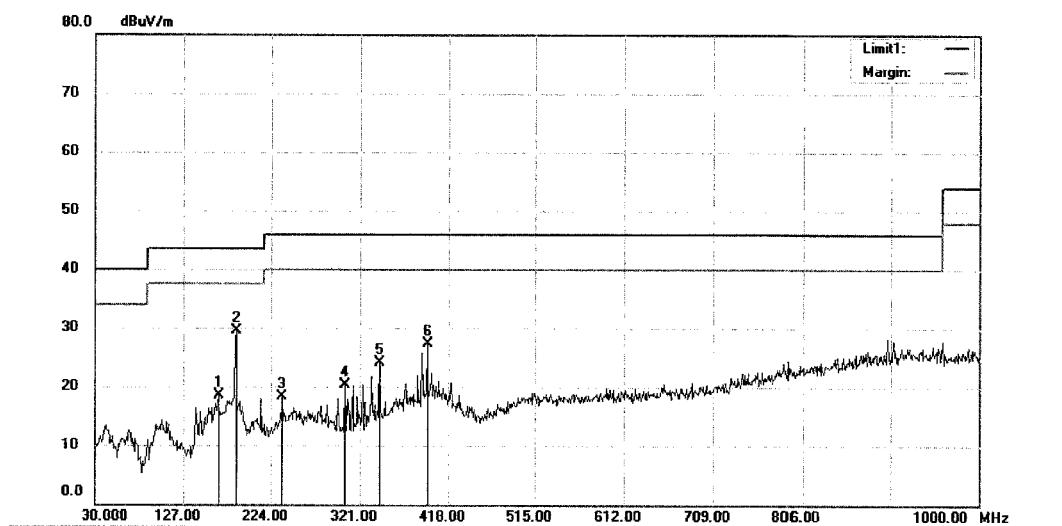


Radiated Emission Measurement

File : TUV 8

Data #: 1

Date: 15/08/10/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11B 2412

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		165.8000	37.62	-19.14	18.48	43.50	-25.02	QP			
2 *		185.2000	47.64	-18.09	29.55	43.50	-13.95	QP			
3		236.6100	32.53	-14.26	18.27	46.00	-27.73	QP			
4		304.5100	34.12	-13.76	20.36	46.00	-25.64	QP			
5		342.3400	36.37	-12.26	24.11	46.00	-21.89	QP			
6		394.7200	36.54	-9.16	27.38	46.00	-18.62	QP			

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

Operator: XLX

File : TUV 8\Data : #1

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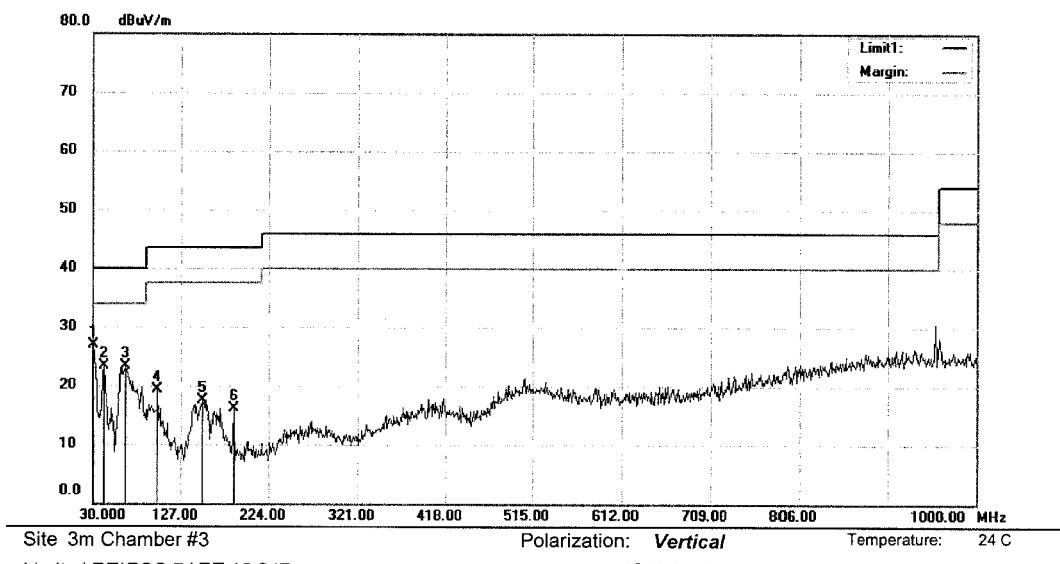


Radiated Emission Measurement

File : TUV 8

Data #: 2

Date: 15/08/10/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11B 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1	*	30.9700	43.05	-16.13	26.92	40.00	-13.08	QP		
2		42.6100	36.23	-13.02	23.21	40.00	-16.79	QP		
3		65.8900	40.54	-17.27	23.27	40.00	-16.73	QP		
4		100.8100	33.31	-14.02	19.29	43.50	-24.21	QP		
5		151.2500	35.74	-18.18	17.56	43.50	-25.94	QP		
6		185.2000	34.16	-18.09	16.07	43.50	-27.43	QP		

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

Operator: XLX

File : TUV 8|Data #: 2

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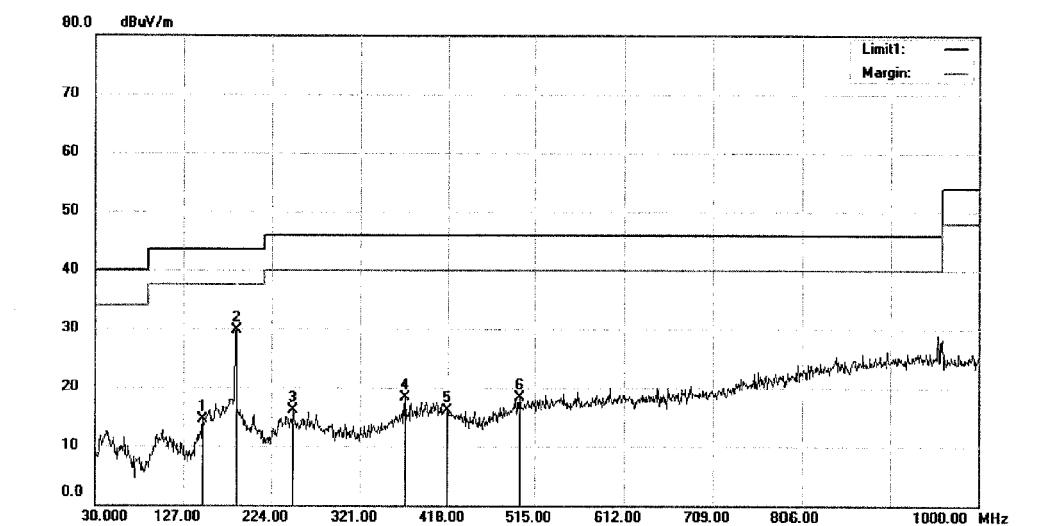


Radiated Emission Measurement

File :TUV 8

Data #:3

Date: 15/08/10/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11B 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		148.3400	32.58	-18.04	14.54	43.50	-28.96	QP			
2 *		185.2000	47.73	-18.09	29.64	43.50	-13.86	QP			
3		248.2500	29.48	-13.41	16.07	46.00	-29.93	QP			
4		370.4700	28.66	-10.35	18.31	46.00	-27.69	QP			
5		417.0300	25.49	-9.34	16.15	46.00	-29.85	QP			
6		498.5100	26.18	-7.93	18.25	46.00	-27.75	QP			

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

Operator: XLX

File :TUV 8\Data #:3

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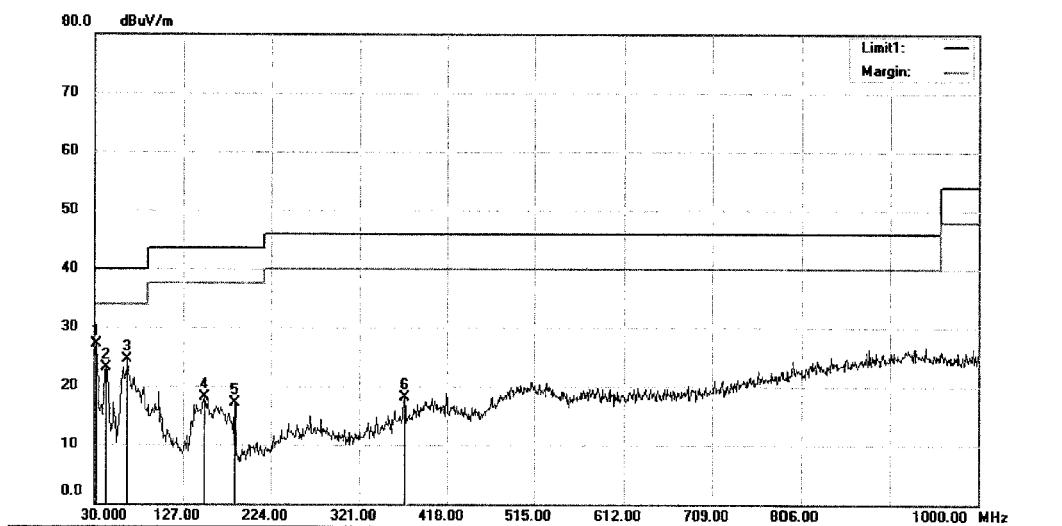


Radiated Emission Measurement

File : TUV 8

Data #: 4

Date: 15/08/10/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11B 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	31.9400	42.86	-15.81	27.05	40.00	-12.95	QP			
2		41.6400	36.06	-12.93	23.13	40.00	-16.87	QP			
3		65.8900	41.77	-17.27	24.50	40.00	-15.50	QP			
4		151.2500	36.26	-18.18	18.08	43.50	-25.42	QP			
5		184.2300	35.32	-18.25	17.07	43.50	-26.43	QP			
6		370.4700	28.39	-10.35	18.04	46.00	-27.96	QP			

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

Operator: XLX

File : TUV 8\Data #: 4

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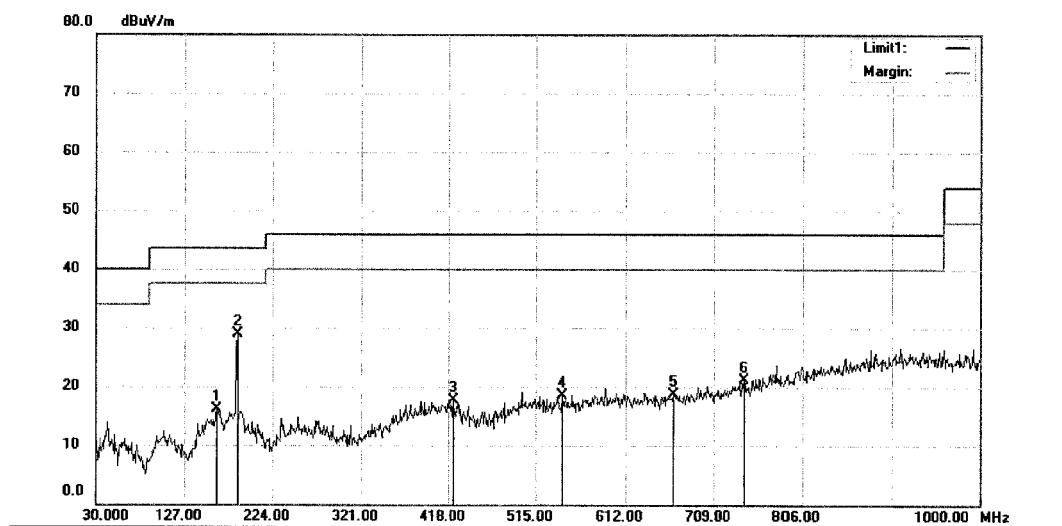


Radiated Emission Measurement

File : TUV 8

Data #: 5

Date: 15/08/10/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11B 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over dB	Antenna Height cm	Table Degree	Comment
1		161.9200	35.06	-18.86	16.20	43.50	-27.30	QP		
2	*	185.2000	46.90	-18.09	28.81	43.50	-14.69	QP		
3		423.8200	27.47	-9.77	17.70	46.00	-28.30	QP		
4		544.1000	25.87	-7.44	18.43	46.00	-27.57	QP		
5		664.3800	25.00	-6.34	18.66	46.00	-27.34	QP		
6		742.9500	25.72	-4.64	21.08	46.00	-24.92	QP		

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

Operator: XLX

File : TUV 8\Data .#5

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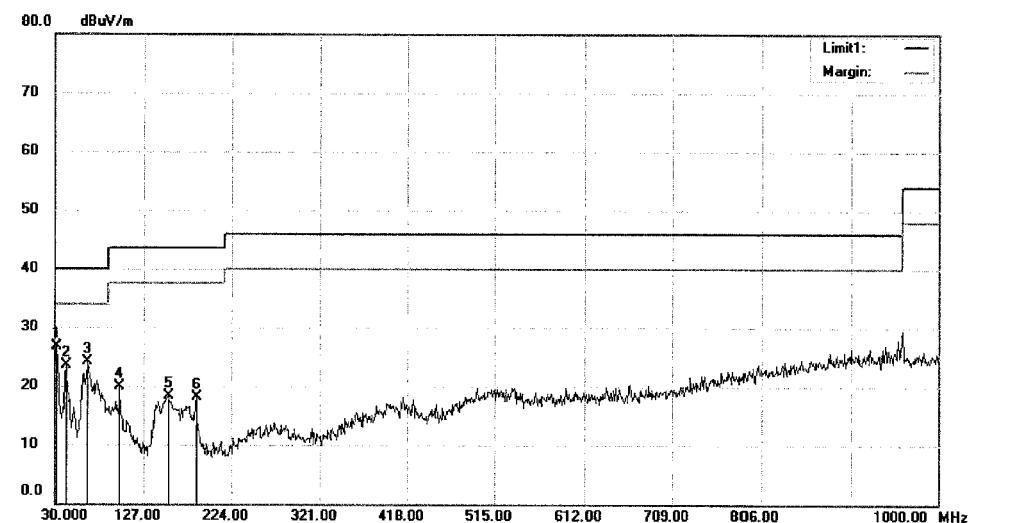


Radiated Emission Measurement

File :TUV 8

Data :#6

Date: 15/08/10/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11B 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	31.9400	42.47	-15.81	26.66	40.00	-13.34	QP			
2		41.6400	36.44	-12.93	23.51	40.00	-16.49	QP			
3		65.8900	41.28	-17.27	24.01	40.00	-15.99	QP			
4		100.8100	34.01	-14.02	19.99	43.50	-23.51	QP			
5		154.1600	36.74	-18.36	18.38	43.50	-25.12	QP			
6		185.2000	36.24	-18.09	18.15	43.50	-25.35	QP			

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

Operator: XLX

File :TUV 8\Data :#6

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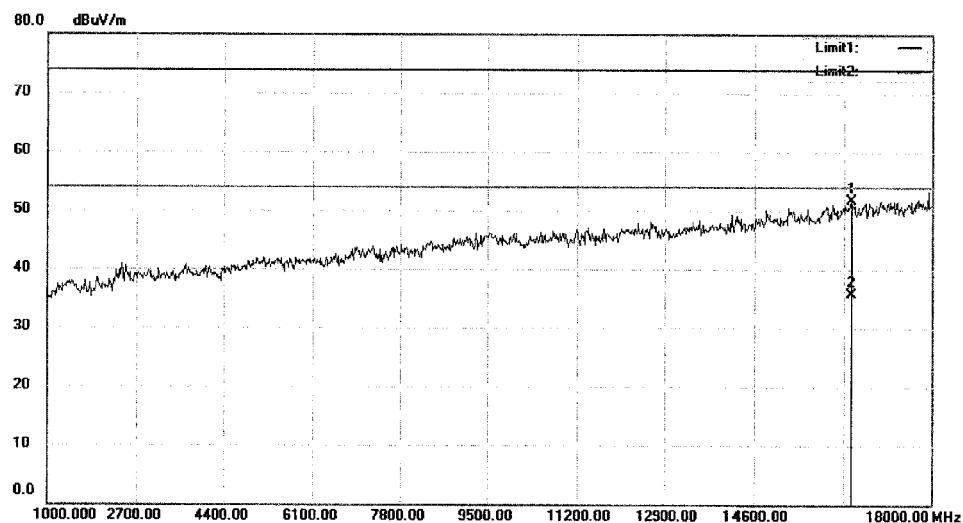


Radiated Emission Measurement

File : TUV 8

Data #: 131

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	16436.00	49.66	2.00	51.66	74.00	-22.34	peak			
2	*	16436.00	33.64	2.00	35.64	54.00	-18.36	AVG			

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

Operator: XLX

File : TUV 8|Data #: 131

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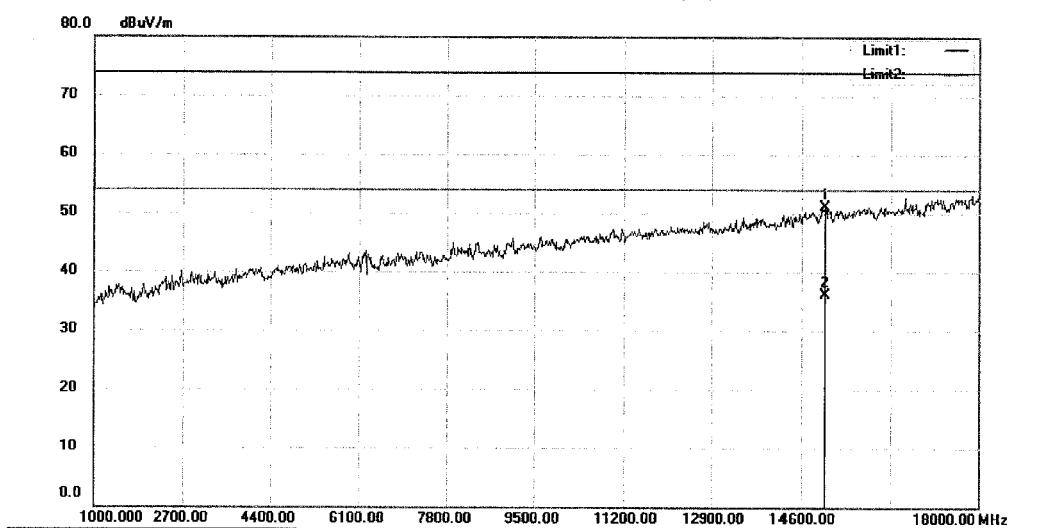


Radiated Emission Measurement

File : TUV 8

Data #: 132

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15042.00	47.39	3.63	51.02	74.00	-22.98	peak			
2	*	15042.00	32.50	3.63	36.13	54.00	-17.87	AVG			

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

Operator: XLX

File : TUV 8\ Data #: 132

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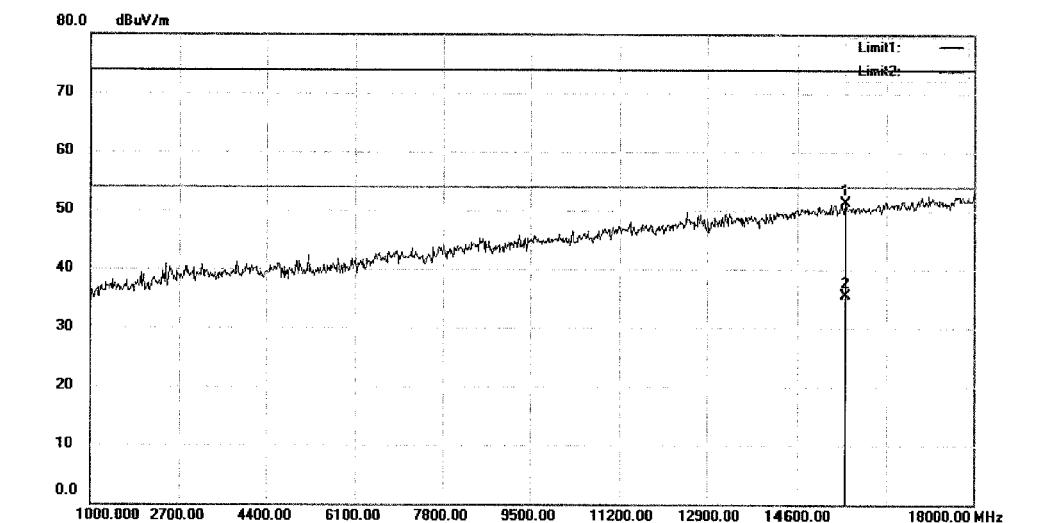
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Radiated Emission Measurement

File : TUV 8

Data #: 133

Date: 15/08/14



Site: 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over	Antenna Height cm	Table Degree	Comment
1		15518.00	49.46	1.89	51.35	74.00	-22.65	peak		
2	*	15518.00	33.52	1.89	35.41	54.00	-18.59	AVG		

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

Operator: XLX

File : TUV 8\ Data #: 133

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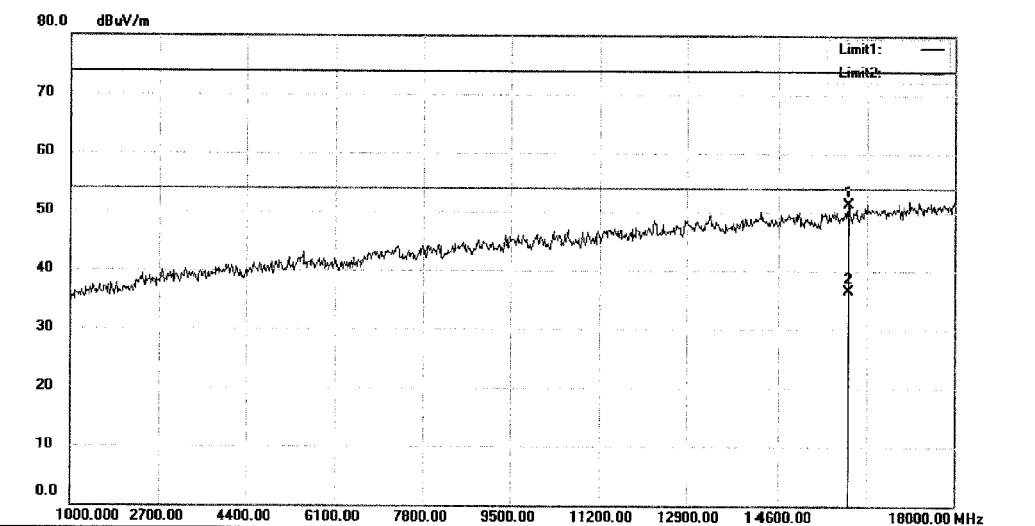
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Radiated Emission Measurement

File : TUV 8

Data #134

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		15943.00	50.98	0.35	51.33	74.00	-22.67	peak		
2	*	15943.00	36.07	0.35	36.42	54.00	-17.58	AVG		

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

Operator: XLX

File : TUV 8\ Data #:134

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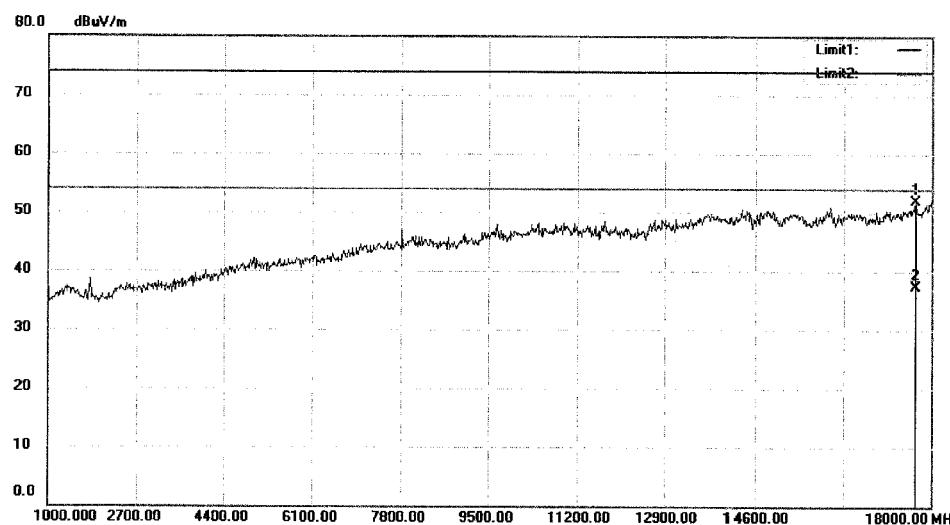


Radiated Emission Measurement

File : TUV 8

Data #136

Date: 15/08/14/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17694.00	51.49	0.51	52.00	74.00	-22.00	peak			
2	*	17694.00	36.84	0.51	37.35	54.00	-16.65	AVG			

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

Operator: KK

File : TUV 8|Data #136

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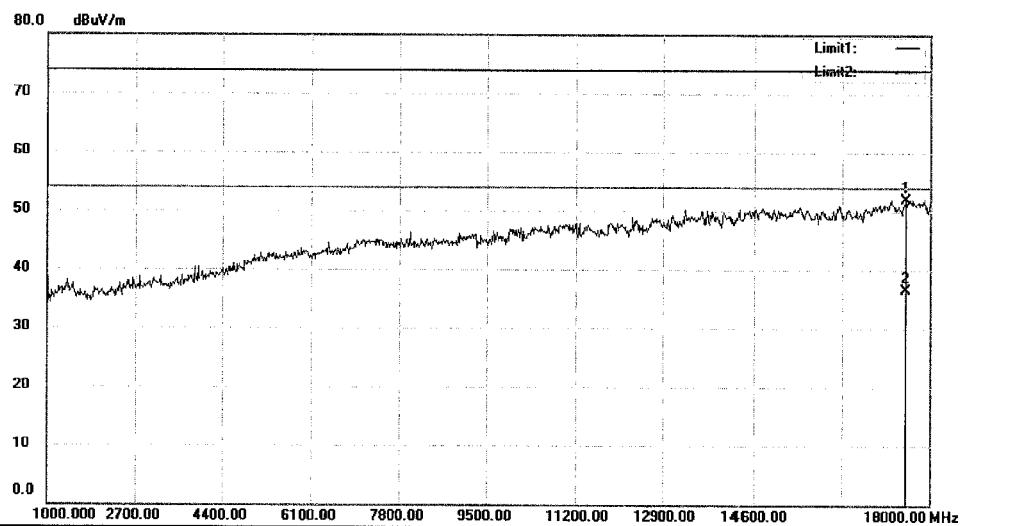
Access to the World

Radiated Emission Measurement

File : TUV 8

Data #: 135

Date: 15/08/14



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17541.00	52.65	-0.71	51.94	74.00	-22.06	peak			
2	*	17541.00	37.15	-0.71	36.44	54.00	-17.56	AVG			

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

Operator: KK

File : TUV 8\Data :\#135

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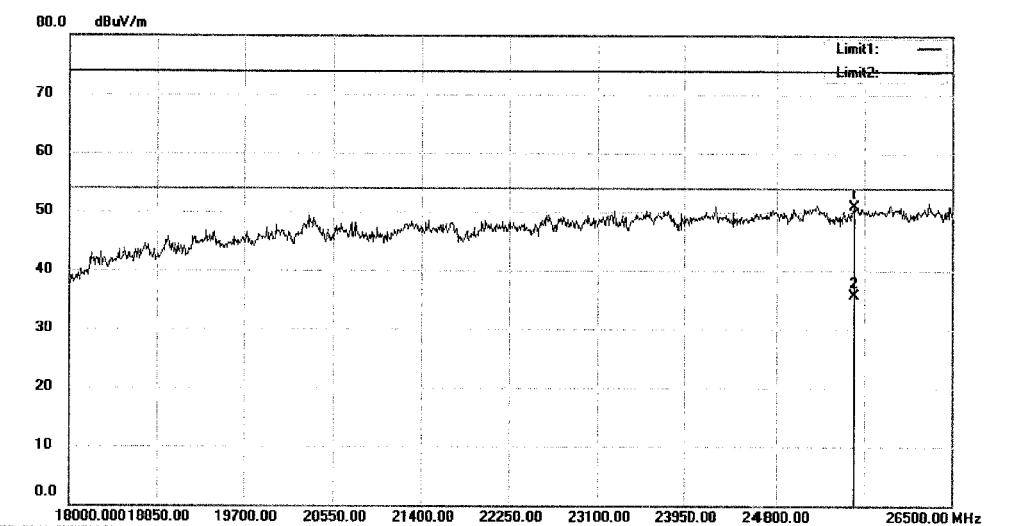


Radiated Emission Measurement

File : TUV 8

Data #: 228

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2412

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		25556.50	87.31	-36.33	50.98	74.00	-23.02	peak			
2 *		25556.50	72.01	-36.33	35.68	54.00	-18.32	AVG			

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

Operator: KK

File : TUV 8|Data #: 228

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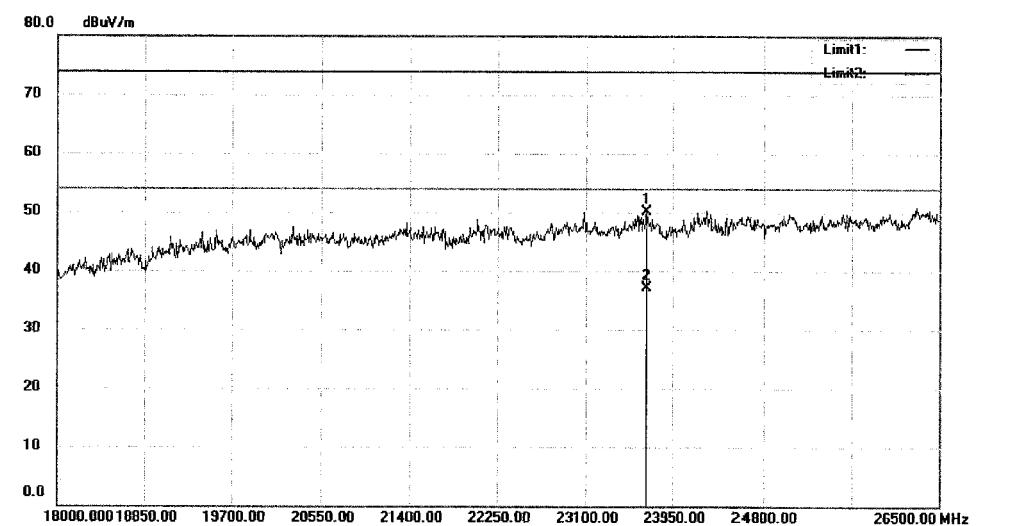


Radiated Emission Measurement

File : TUV 8

Data #: 229

Date: 15/08/15/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		23695.00	87.65	-37.45	50.20	74.00	-23.80	peak			
2	*	23695.00	74.63	-37.45	37.18	54.00	-16.82	AVG			

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

Operator: KK

File : TUV 8\Data .#229

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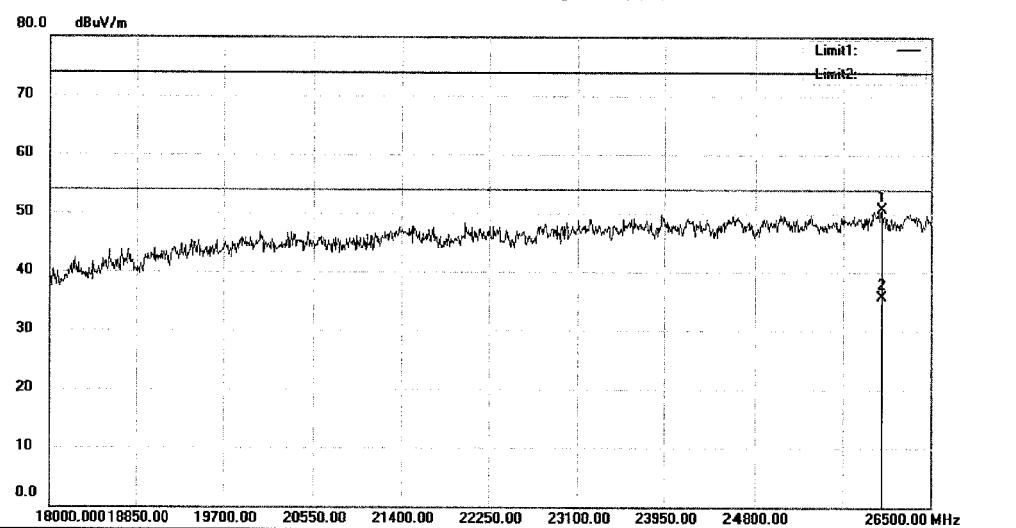


Radiated Emission Measurement

File :TUV 8

Data #:230

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over	Antenna Height cm	Table Degree	Comment
1		26024.00	86.51	-35.76	50.75	74.00	-23.25	peak		
2	*	26024.00	71.43	-35.76	35.67	54.00	-18.33	AVG		

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

Operator: KK

File :TUV 8|Data #:230

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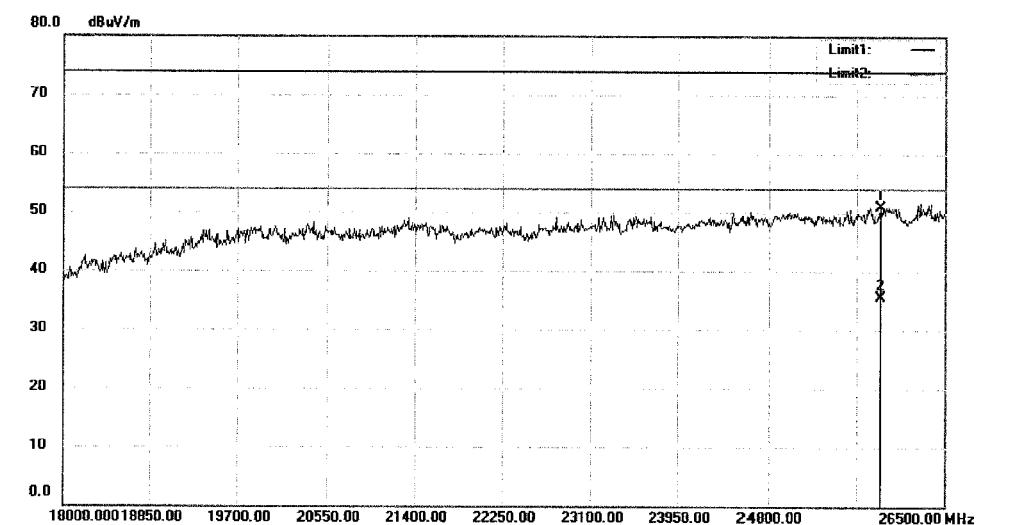


Radiated Emission Measurement

File :TUV 8

Data :#231

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25879.50	86.92	-35.94	50.98	74.00	-23.02	peak		
2	*	25879.50	71.42	-35.94	35.48	54.00	-18.52	AVG		

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

Operator: KK

File :TUV 8|Data :#231

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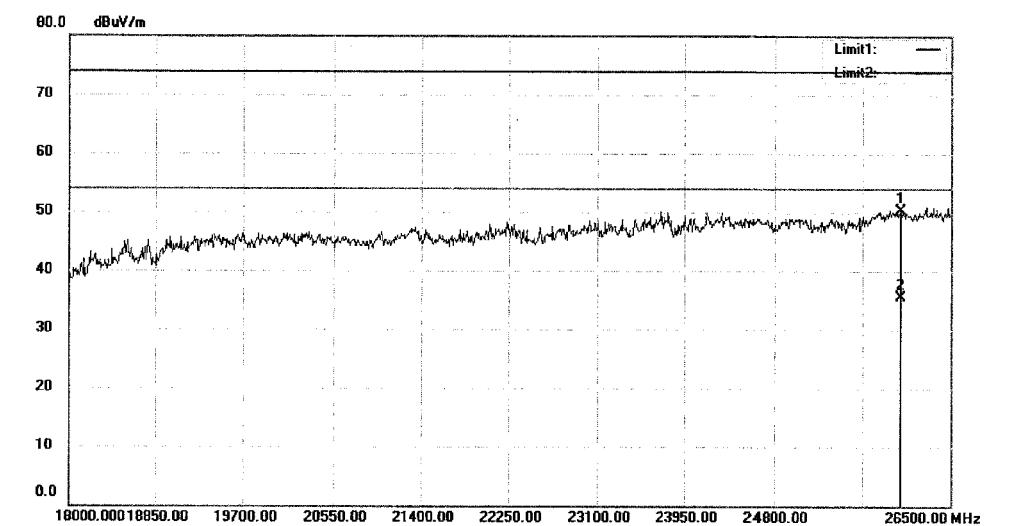


Radiated Emission Measurement

File : TUV 8

Data #: 232

Date: 15/06/13/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over	Antenna Height cm	Table Degree	Comment
1		26015.50	86.15	-35.77	50.38	74.00	-23.62	peak		
2	*	26015.50	71.20	-35.77	35.43	54.00	-18.57	AVG		

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

Operator: KK

File : TUV 8\Data #: 232

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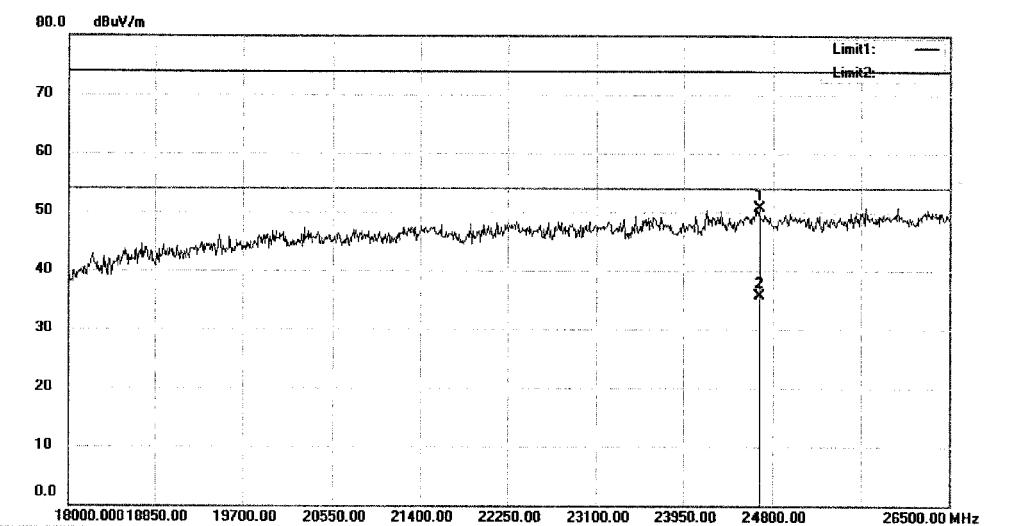


Radiated Emission Measurement

File :TUV 8

Data #:233

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm degree Comment
1		24664.00	87.66	-37.05	50.61	74.00	-23.39	peak	
2 *		24664.00	72.69	-37.05	35.64	54.00	-18.36	AVG	

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

Operator: KK

File :TUV 8\Data #:233

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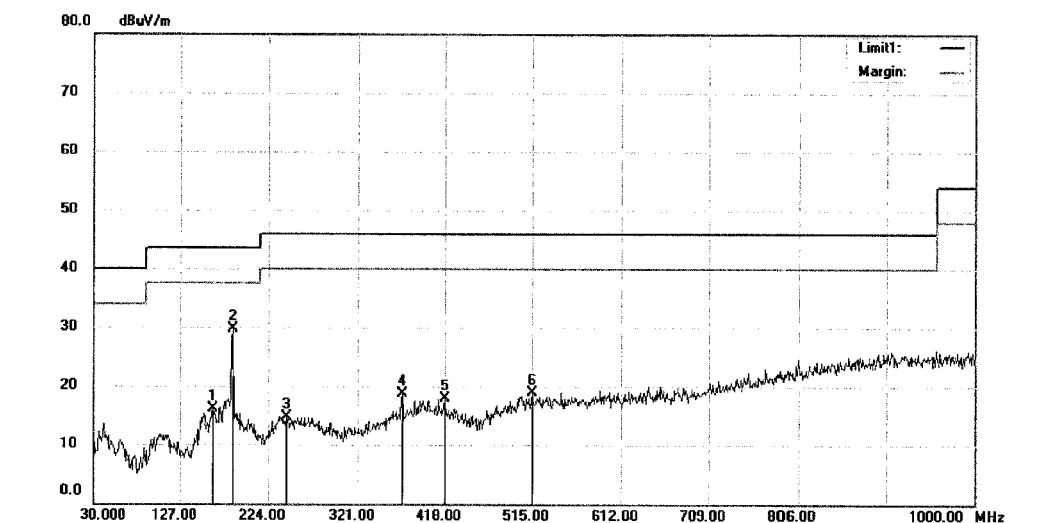


Radiated Emission Measurement

File :TUV 8

Data :#7

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11G 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm degree
1		163.8600	35.15	-19.00	16.15	43.50	-27.35	QP	
2 *		185.2000	47.85	-18.09	29.76	43.50	-13.74	QP	
3		243.4000	28.37	-13.66	14.71	46.00	-31.29	QP	
4		370.4700	28.96	-10.35	18.61	46.00	-27.39	QP	
5		418.0000	27.18	-9.37	17.81	46.00	-28.19	QP	
6		515.0000	26.63	-7.67	18.96	46.00	-27.04	QP	

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

Operator: XLX

File :TUV 8\Data :#7

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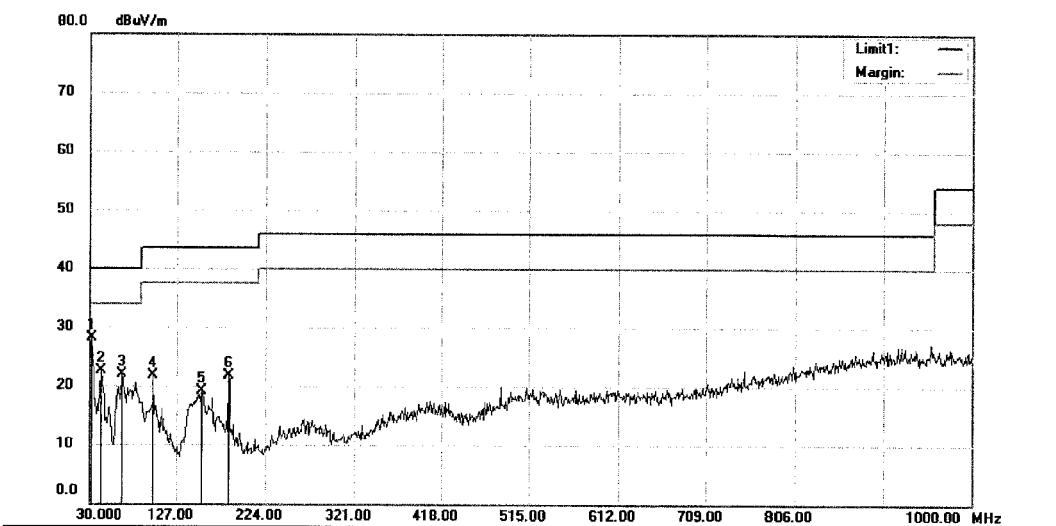
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Radiated Emission Measurement

File : TUV 8

Data #: 8

Date: 15/08/10/



Site: 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11G 2412

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over	Antenna Height cm	Table Degree	Comment
1	*	31.9400	43.89	-15.81	28.08	40.00	-11.92	QP		
2		42.6100	35.45	-13.02	22.43	40.00	-17.57	QP		
3		65.8900	39.09	-17.27	21.82	40.00	-18.18	QP		
4		100.8100	35.77	-14.02	21.75	43.50	-21.75	QP		
5		154.1600	37.40	-18.36	19.04	43.50	-24.46	QP		
6		184.2300	39.88	-18.25	21.63	43.50	-21.87	QP		

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

Operator: XLX

File : TUV 8|Data #: 8

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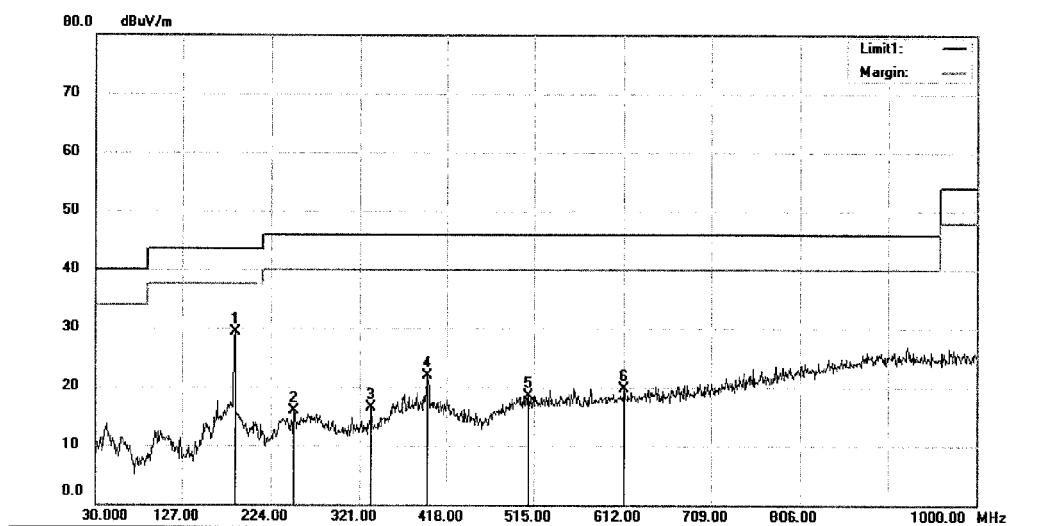


Radiated Emission Measurement

File :TUV 8

Data #:9

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11G 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	185.2000	47.49	-18.09	29.40	43.50	-14.10	QP		
2		249.2200	29.30	-13.36	15.94	46.00	-30.06	QP		
3		333.6100	29.39	-12.80	16.59	46.00	-29.41	QP		
4		396.6600	30.99	-9.05	21.94	46.00	-24.06	QP		
5		509.1800	26.31	-7.72	18.59	46.00	-27.41	QP		
6		612.9700	26.50	-6.86	19.64	46.00	-26.36	QP		

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

Operator: XLX

File :TUV 8\Data #:9

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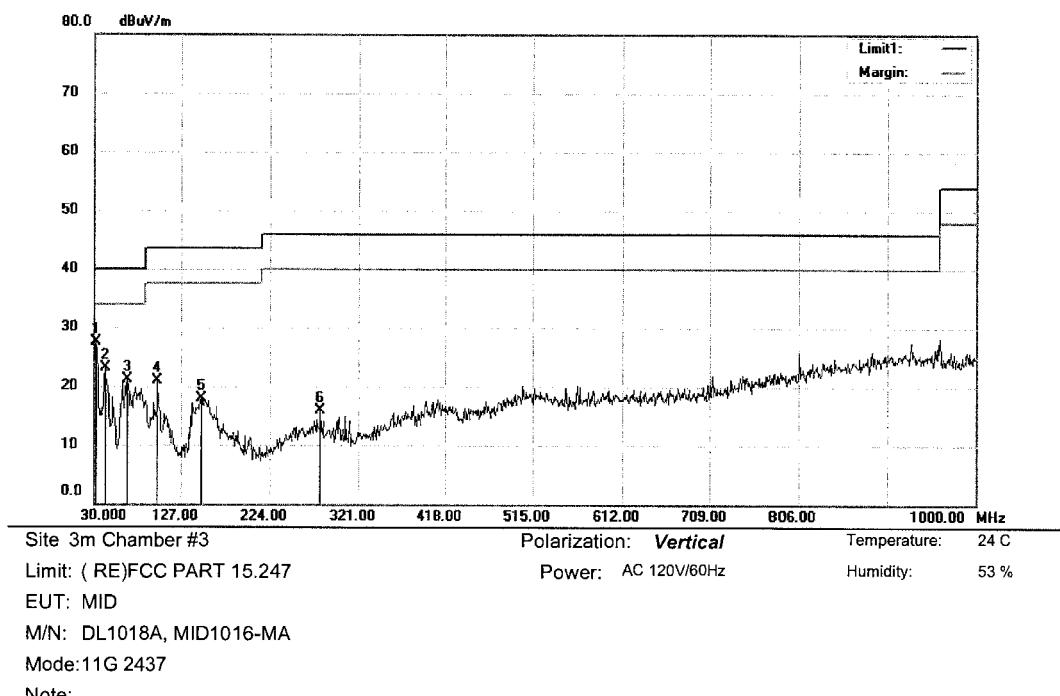
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Radiated Emission Measurement

File : TUV 8

Data #: 10

Date: 15/08/10/



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	31.9400	43.22	-15.81	27.41	40.00	-12.59	QP			
2		41.6400	36.12	-12.93	23.19	40.00	-16.81	QP			
3		66.8600	38.67	-17.58	21.09	40.00	-18.91	QP			
4		100.8100	34.98	-14.02	20.96	43.50	-22.54	QP			
5		149.3100	35.89	-18.08	17.81	43.50	-25.69	QP			
6		279.2900	28.43	-12.58	15.85	46.00	-30.15	QP			

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

Operator: XLX

File : TUV 8|Data #: 10

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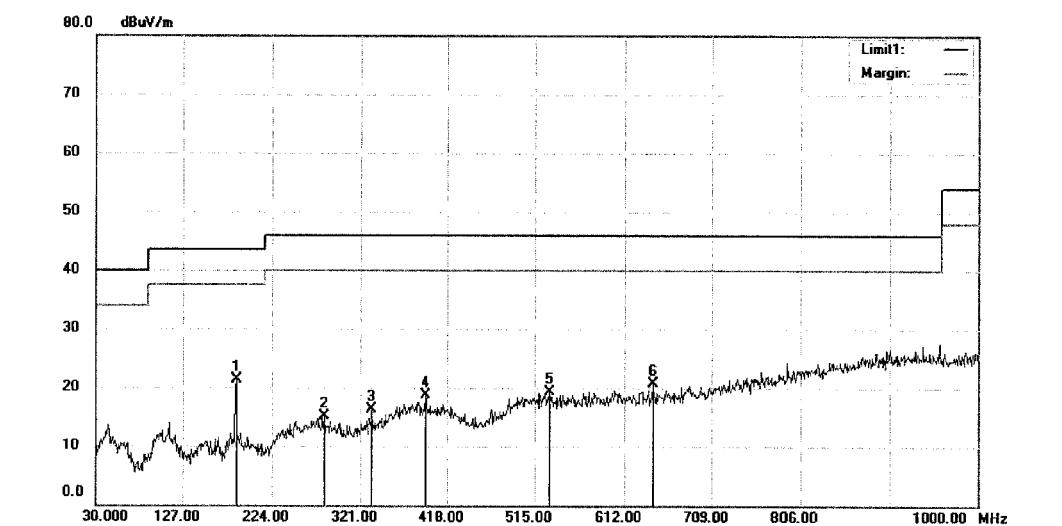


Radiated Emission Measurement

File : TUV 8

Data #: 11

Date: 15/08/10/



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11G 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	185.2000	39.40	-18.09	21.31	43.50	-22.19	QP			
2		281.2300	27.82	-12.65	15.17	46.00	-30.83	QP			
3		333.6100	29.06	-12.80	16.26	46.00	-29.74	QP			
4		393.7500	28.01	-9.22	18.79	46.00	-27.21	QP			
5		531.4900	26.83	-7.55	19.28	46.00	-26.72	QP			
6		643.0400	27.18	-6.55	20.63	46.00	-25.37	QP			

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

Operator: XLX

File : TUV 8\Data #: 11

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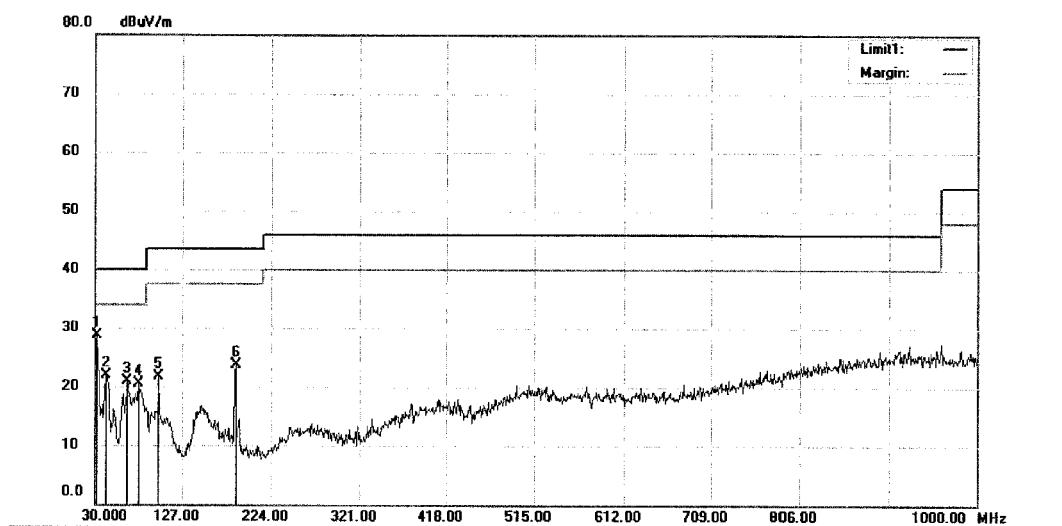


Radiated Emission Measurement

File :TUV 8

Data #:12

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11G 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	31.9400	44.50	-15.81	28.69	40.00	-11.31	QP			
2		42.6100	34.87	-13.02	21.85	40.00	-18.15	QP			
3		65.8900	38.08	-17.27	20.81	40.00	-19.19	QP			
4		78.5000	39.98	-19.44	20.54	40.00	-19.46	QP			
5		100.8100	35.78	-14.02	21.76	43.50	-21.74	QP			
6		185.2000	41.72	-18.09	23.63	43.50	-19.87	QP			

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

Operator: XLX

File :TUV 8\Data #:12

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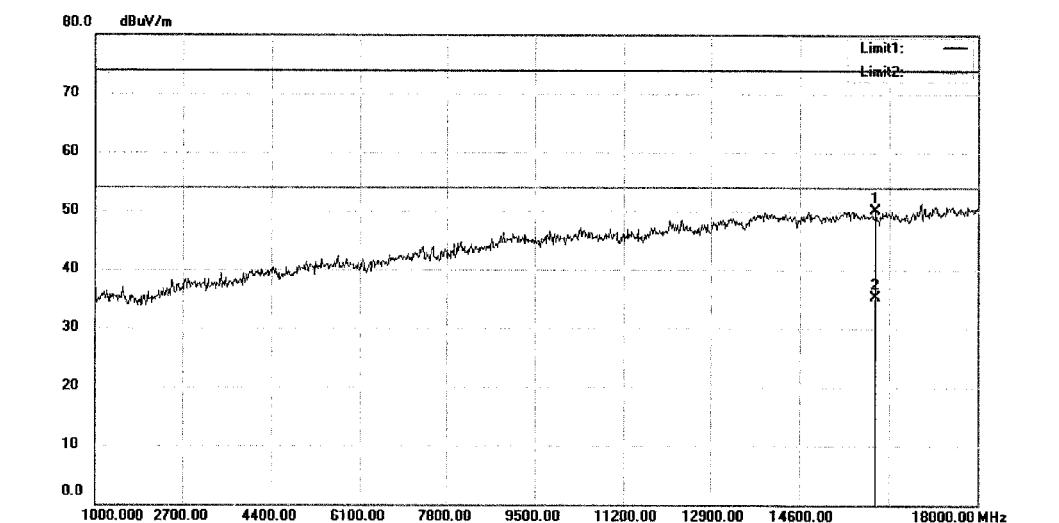


Radiated Emission Measurement

File : TUV 8

Data #: 138

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm degree	Comment
1		16045.00	57.69	-7.62	50.07	74.00	-23.93	peak		
2 *		16045.00	42.91	-7.62	35.29	54.00	-18.71	AVG		

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

Operator: KK

File : TUV 8\Data #: 138

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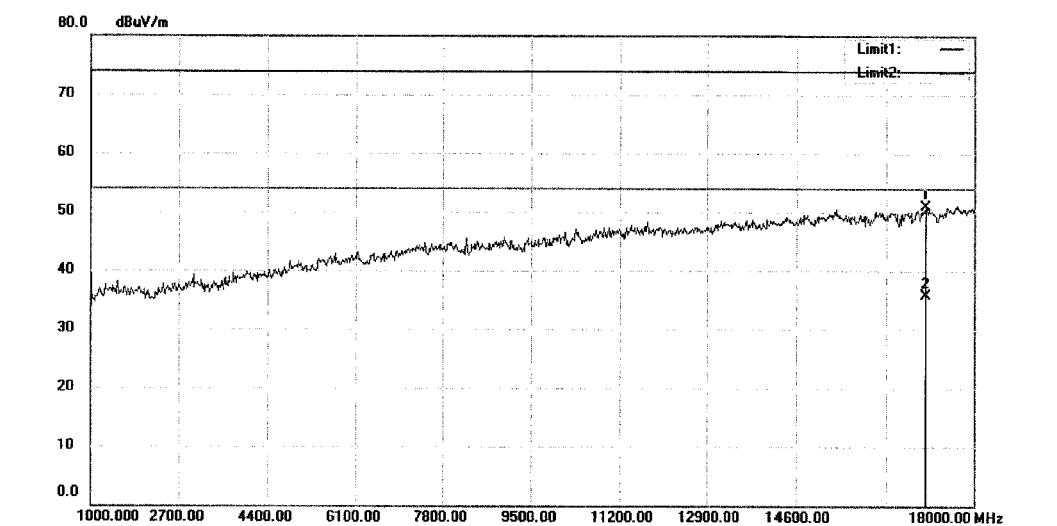
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Radiated Emission Measurement

File : TUV 8

Data #: 137

Date: 15/08/14



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2412

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		17065.00	55.27	-4.44	50.83	74.00	-23.17	peak			
2	*	17065.00	40.17	-4.44	35.73	54.00	-18.27	AVG			

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

Operator: KK

File : TUV 8\ Data #: 137

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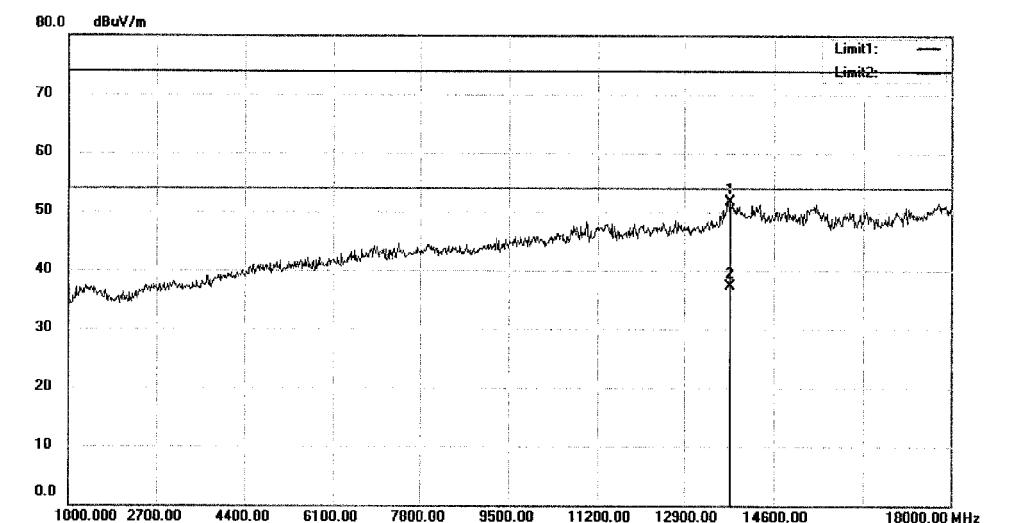
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Access to the World
Radiated Emission Measurement

File : TUV 8

Data : #140

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		13784.00	58.11	-6.34	51.77	74.00	-22.23	peak		
2 *		13784.00	43.73	-6.34	37.39	54.00	-16.61	AVG		

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

Operator: KK

File : TUV 8\ Data : #140

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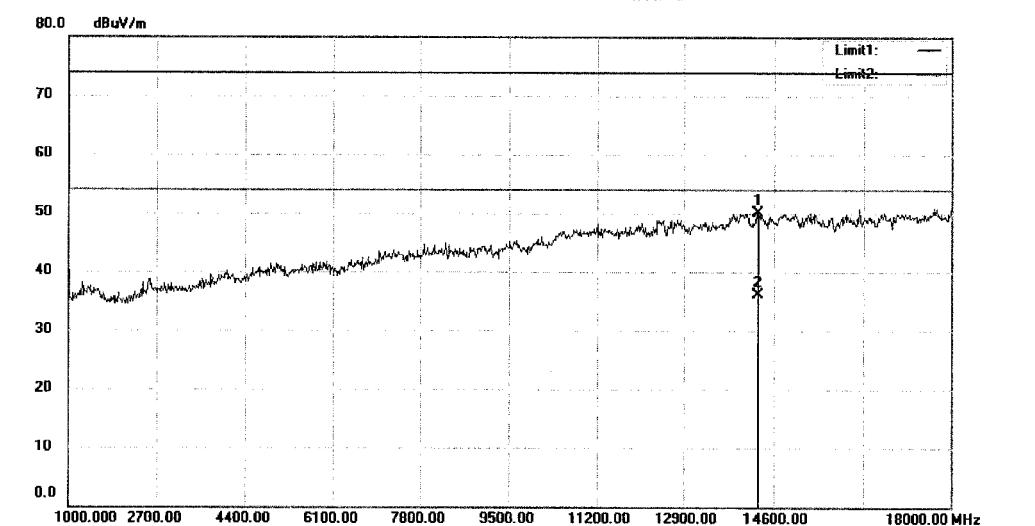


Radiated Emission Measurement

File : TUV 8

Data #139

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14294.00	55.85	-5.76	50.09	74.00	-23.91	peak			
2	*	14294.00	41.89	-5.76	36.13	54.00	-17.87	AVG			

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

Operator: KK

File : TUV 8\ Data #139

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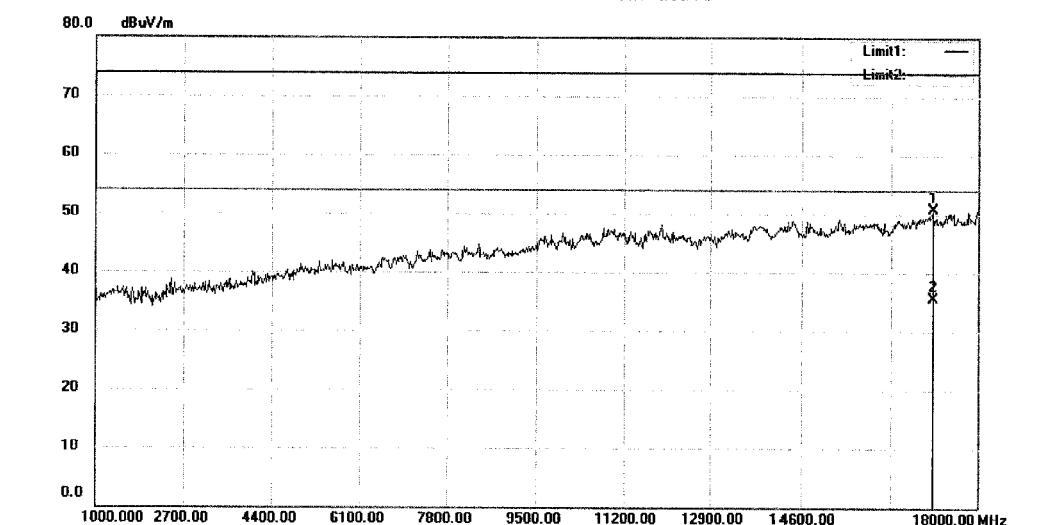


Radiated Emission Measurement

File :TUV 8

Data :#142

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17116.00	54.66	-4.04	50.62	74.00	-23.38	peak			
2	*	17116.00	39.52	-4.04	35.48	54.00	-18.52	AVG			

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

Operator: KK

File :TUV 8\Data :#142

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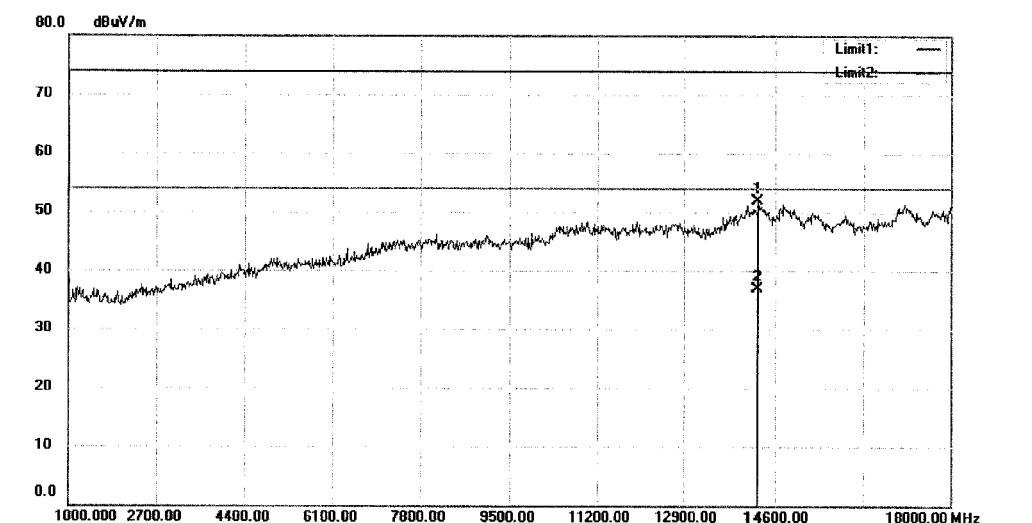


Radiated Emission Measurement

File :TUV 8

Data #:141

Date: 15/08/14/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14277.00	57.57	-5.73	51.84	74.00	-22.16	peak			
2	*	14277.00	42.62	-5.73	36.89	54.00	-17.11	AVG			

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

Operator: KK

File :TUV 8\Data #:141

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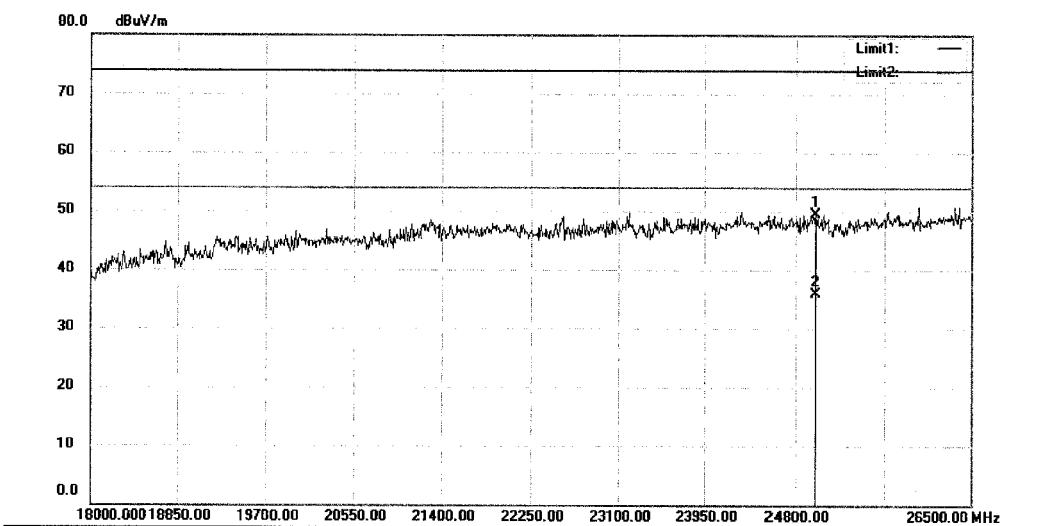


Radiated Emission Measurement

File :TUV 8

Data :#234

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm degree Comment
1		24987.00	86.47	-37.01	49.46	74.00	-24.54	peak	
2	*	24987.00	72.97	-37.01	35.96	54.00	-18.04	AVG	

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

Operator: KK

File :TUV 8|Data :#234

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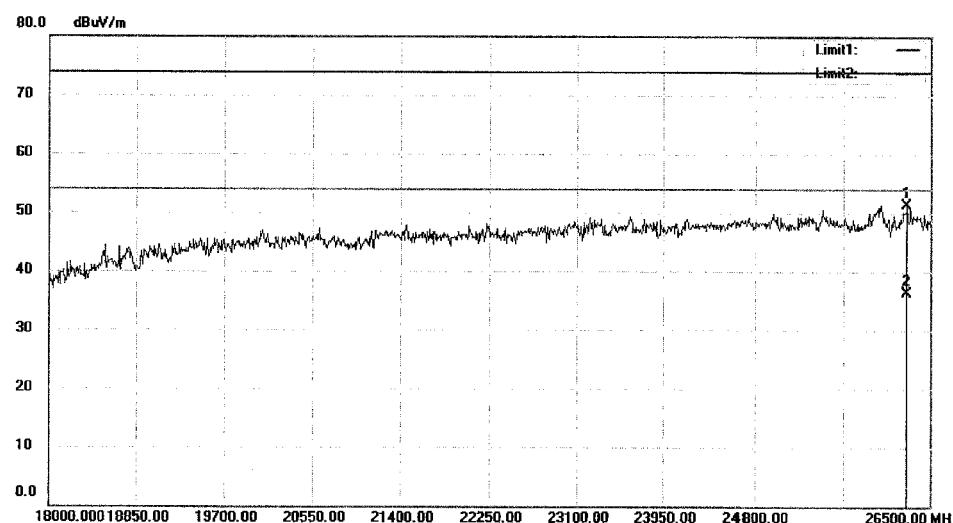


Radiated Emission Measurement

File :TUV 8

Data #:235

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		26270.50	86.72	-35.46	51.26	74.00	-22.74	peak			
2	*	26270.50	71.69	-35.46	36.23	54.00	-17.77	AVG			

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

Operator: KK

File :TUV 8\Data #:235

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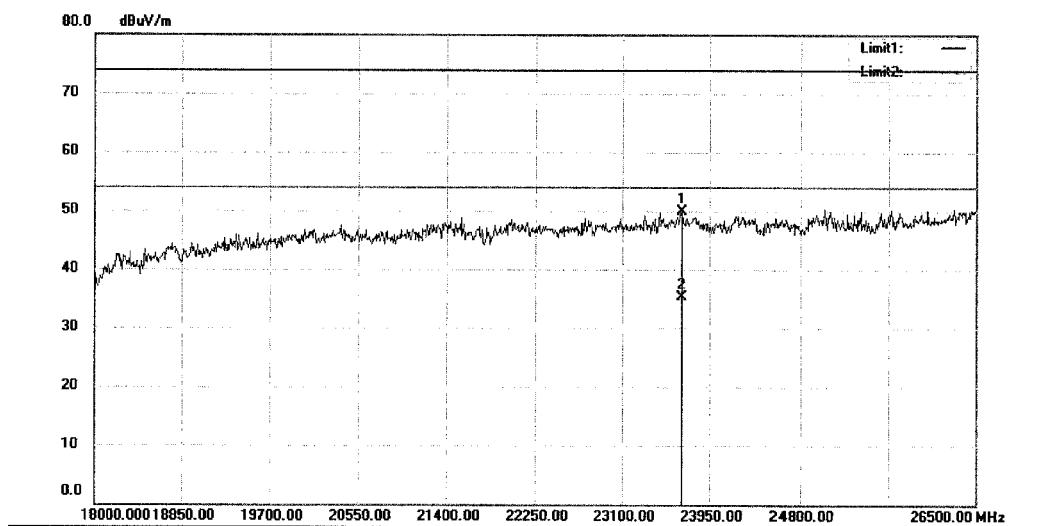
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Radiated Emission Measurement

File :TUV 8

Data #:236

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over	Antenna Height cm	Table Degree	Comment
1		23686.50	87.38	-37.46	49.92	74.00	-24.08	peak		
2	*	23686.50	72.73	-37.46	35.27	54.00	-18.73	AVG		

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

Operator: KK

File :TUV 8\Data .#236

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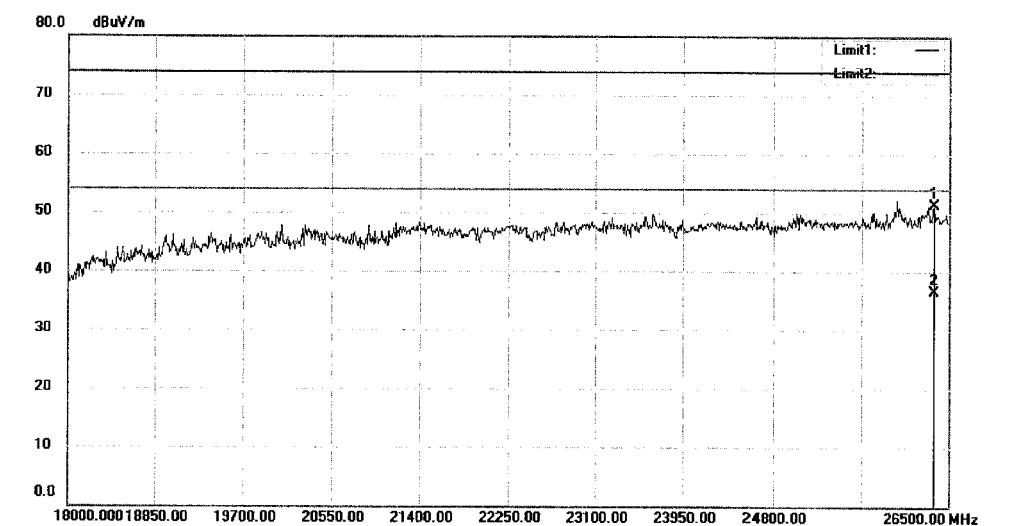


Radiated Emission Measurement

File :TUV 8

Data #:237

Date: 15/08/15/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		26355.50	86.73	-35.36	51.37	74.00	-22.63	peak			
2	*	26355.50	71.78	-35.36	36.42	54.00	-17.58	AVG			

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

Operator: KK

File :TUV 8\Data .#237

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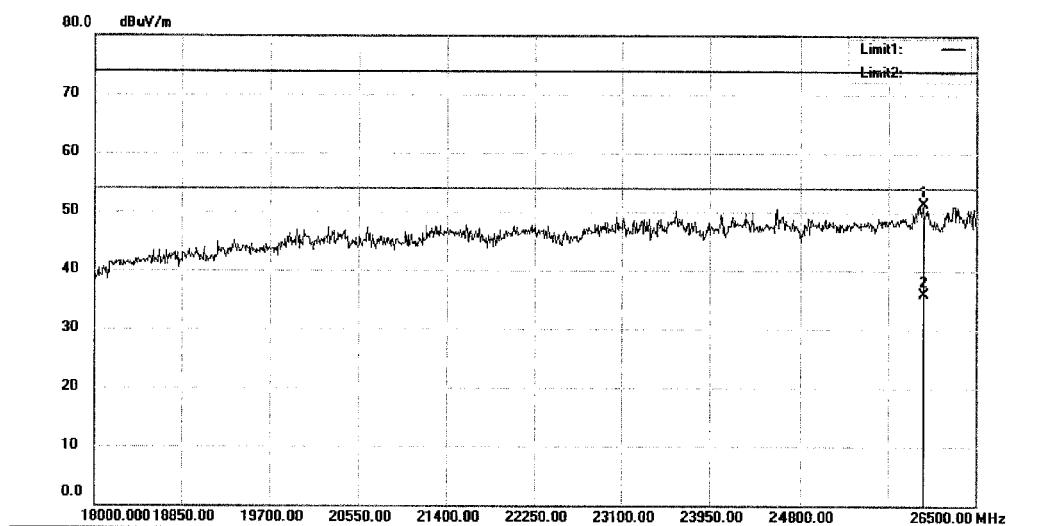


Radiated Emission Measurement

File :TUV 8

Data :#238

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25990.00	87.20	-35.80	51.40	74.00	-22.60	peak		
2	*	25990.00	71.66	-35.80	35.86	54.00	-18.14	AVG		

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

Operator: KK

File :TUV 8\Data .#238

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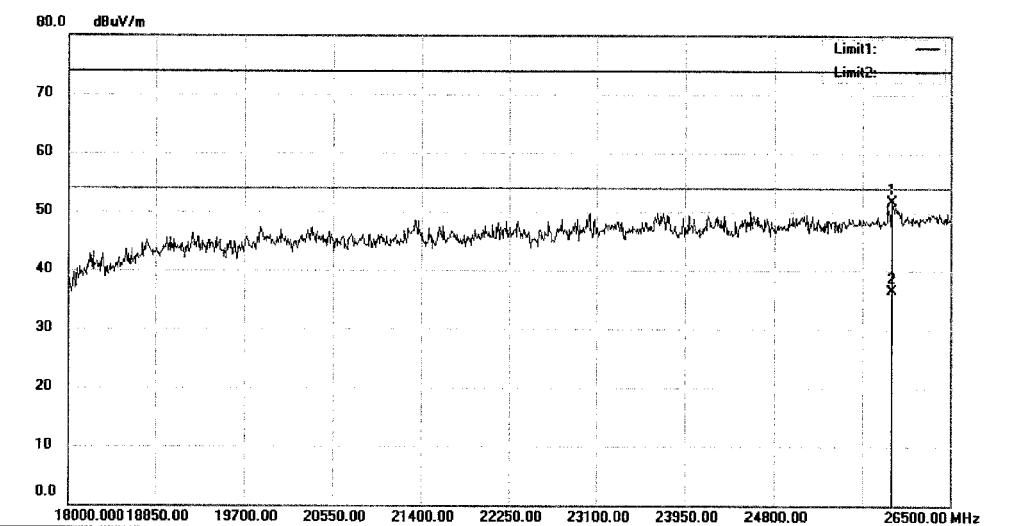


Radiated Emission Measurement

File :TUV 8

Data #:239

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		25939.00	87.65	-35.86	51.79	74.00	-22.21	peak			
2	*	25939.00	72.35	-35.86	36.49	54.00	-17.51	AVG			

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

Operator: KK

File :TUV 8\Data #:239

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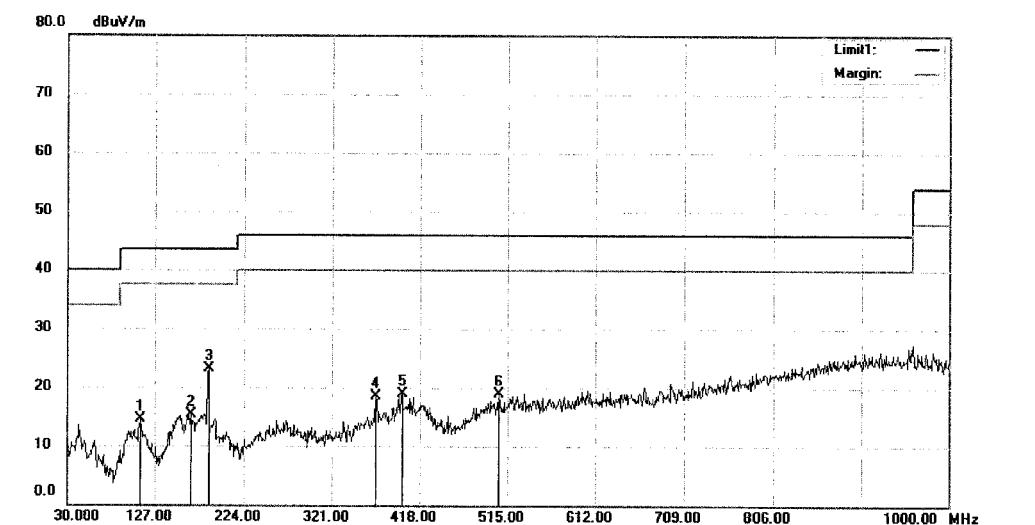


Radiated Emission Measurement

File : TUV 8

Data #: 13

Date: 15/08/10



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11N 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		110.5100	28.91	-14.33	14.58	43.50	-28.92	QP		
2		165.8000	34.44	-19.14	15.30	43.50	-28.20	QP		
3	*	185.2000	41.22	-18.09	23.13	43.50	-20.37	QP		
4		369.5000	28.82	-10.39	18.43	46.00	-27.57	QP		
5		398.6000	27.81	-8.95	18.86	46.00	-27.14	QP		
6		505.3000	26.57	-7.75	18.82	46.00	-27.18	QP		

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

Operator: XLX

File : TUV 8\Data #: 13

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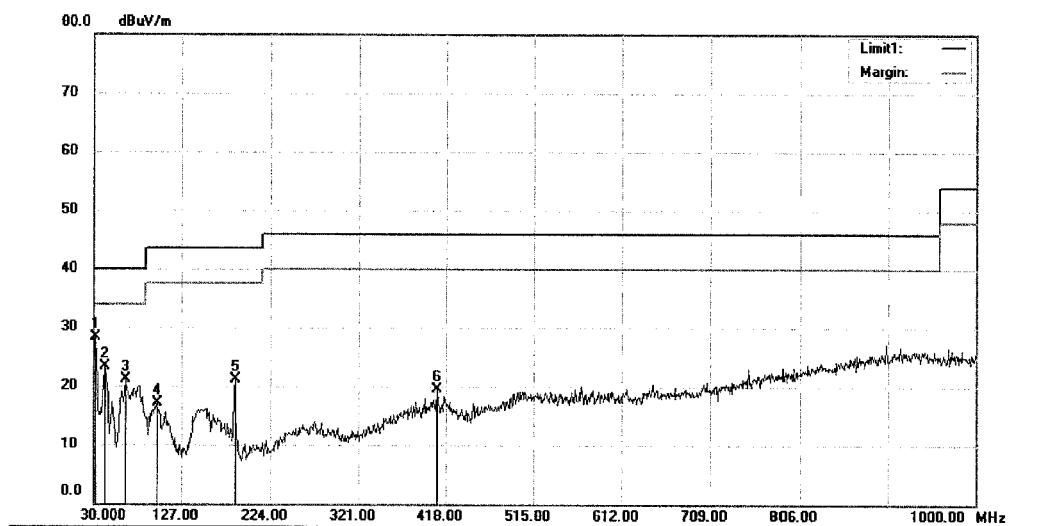


Radiated Emission Measurement

File :TUV 8

Data #:14

Date: 15/08/10/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm degree Comment
1	*	31.9400	44.16	-15.81	28.35	40.00	-11.65	QP	
2		42.6100	36.31	-13.02	23.29	40.00	-16.71	QP	
3		64.9200	38.18	-16.99	21.19	40.00	-18.81	QP	
4		99.8400	31.23	-14.03	17.20	43.50	-26.30	QP	
5		185.2000	39.13	-18.09	21.04	43.50	-22.46	QP	
6		408.3000	28.69	-9.10	19.59	46.00	-26.41	QP	

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

Operator: XLX

File :TUV 8\Data #:14

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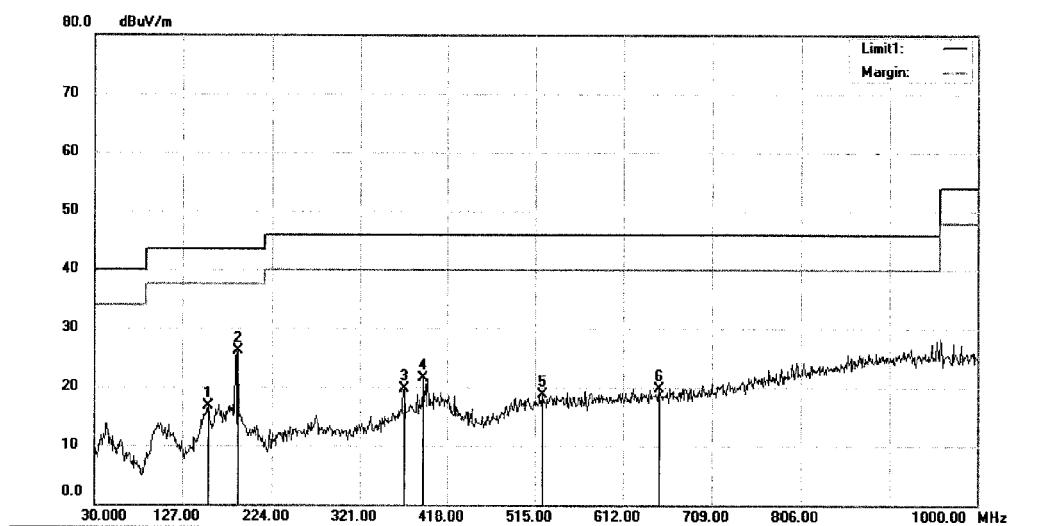


Radiated Emission Measurement

File :TUV 8

Data :#15

Date: 15/08/10/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 20M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		155.1300	35.15	-18.42	16.73	43.50	-26.77	QP			
2	*	187.1400	43.82	-17.77	26.05	43.50	-17.45	QP			
3		370.4700	30.15	-10.35	19.80	46.00	-26.20	QP			
4		391.8100	30.78	-9.33	21.45	46.00	-24.55	QP			
5		522.7600	26.34	-7.61	18.73	46.00	-27.27	QP			
6		650.8000	26.26	-6.48	19.78	46.00	-26.22	QP			

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

Operator: XLX

File :TUV 8\Data :#15

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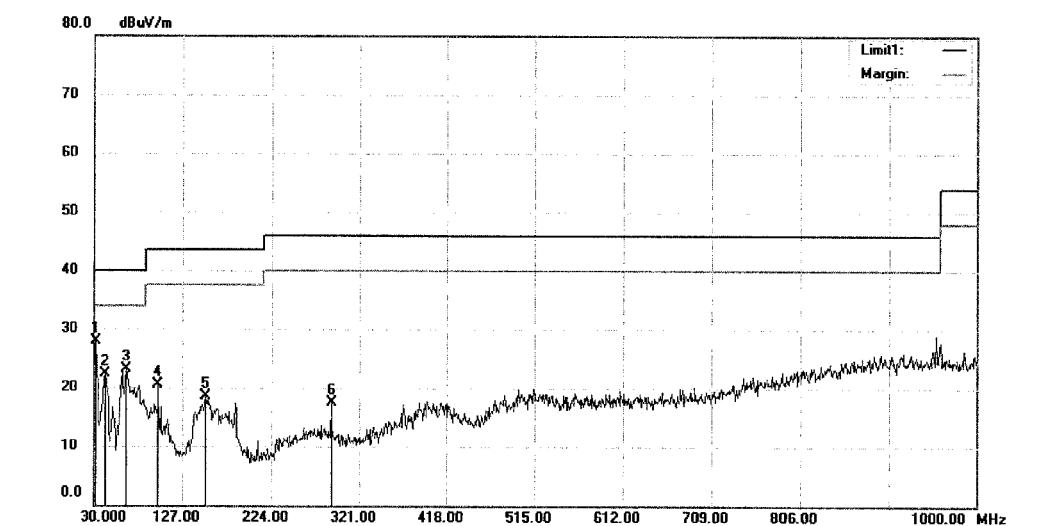


Radiated Emission Measurement

File :TUV 8

Data #:16

Date: 15/08/10/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 20M 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	31.9400	43.69	-15.81	27.88	40.00	-12.12	QP			
2		41.6400	35.25	-12.93	22.32	40.00	-17.68	QP			
3		65.8900	40.43	-17.27	23.16	40.00	-16.84	QP			
4		100.8100	34.59	-14.02	20.57	43.50	-22.93	QP			
5		152.2200	36.75	-18.24	18.51	43.50	-24.99	QP			
6		289.9600	30.61	-13.20	17.41	46.00	-28.59	QP			

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

Operator: XLX

File :TUV 8\Data #:16

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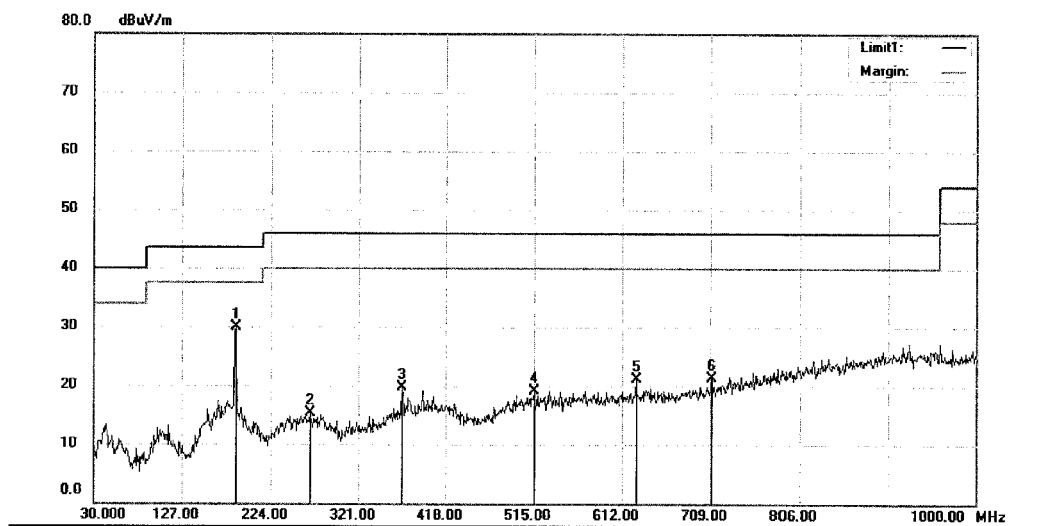


Radiated Emission Measurement

File :TUV 8

Data :#17

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 20M 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	185.2000	48.00	-18.09	29.91	43.50	-13.59	QP		
2		266.6800	27.98	-12.72	15.26	46.00	-30.74	QP		
3		369.5000	30.17	-10.39	19.78	46.00	-26.22	QP		
4		515.0000	26.77	-7.67	19.10	46.00	-26.90	QP		
5		627.5200	27.90	-6.70	21.20	46.00	-24.80	QP		
6		710.9400	26.93	-5.65	21.28	46.00	-24.72	QP		

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

Operator: XLX

File :TUV 8\Data :#17

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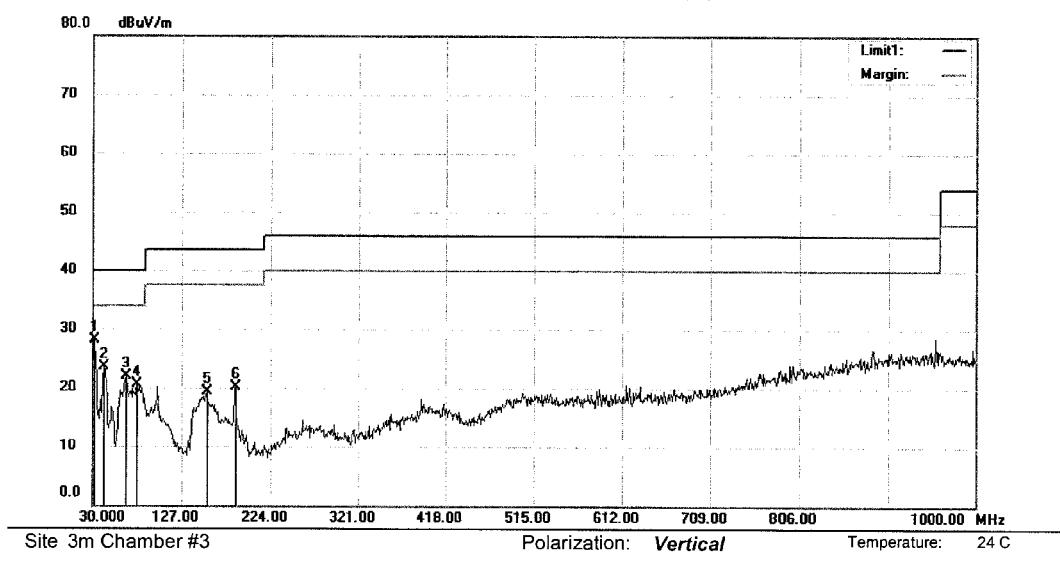


Radiated Emission Measurement

File :TUV 8

Data #:18

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 20M 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1	*	31.9400	44.01	-15.81	28.20	40.00	-11.80	QP		
2		42.6100	36.61	-13.02	23.59	40.00	-16.41	QP		
3		66.8600	39.51	-17.58	21.93	40.00	-18.07	QP		
4		78.5000	39.96	-19.44	20.52	40.00	-19.48	QP		
5		154.1600	37.59	-18.36	19.23	43.50	-24.27	QP		
6		185.2000	38.18	-18.09	20.09	43.50	-23.41	QP		

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

Operator: XLX

File :TUV 8\Data :#18

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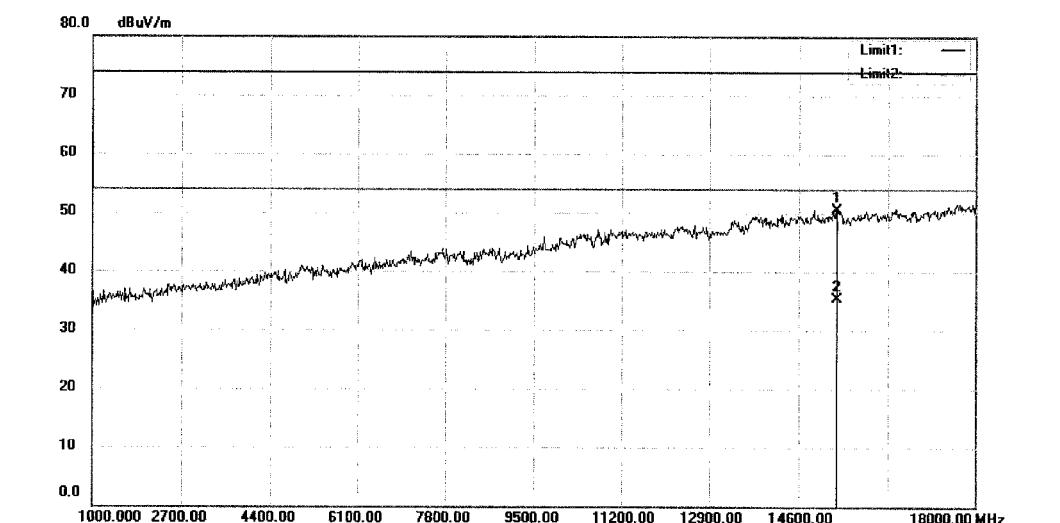


Radiated Emission Measurement

File :TUV 8

Data #:144

Date: 15/08/14/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15314.00	57.73	-7.14	50.59	74.00	-23.41	peak			
2	*	15314.00	42.37	-7.14	35.23	54.00	-18.77	AVG			

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

Operator: KK

File :TUV 8\Data :#144

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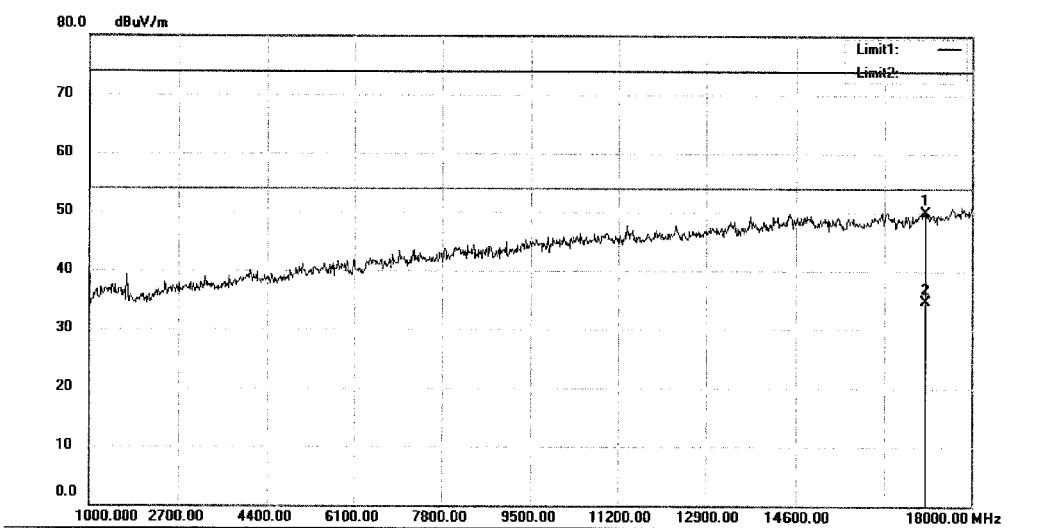
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Access to the World
Radiated Emission Measurement

File : TUV 8

Data #: 143

Date: 15/06/11/



Site 3m Chamber #3

 Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2412

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Antenna Height cm	Table Degree	Comment
1		17099.00	54.08	-4.19	49.89	74.00	-24.11	peak		
2 *		17099.00	38.91	-4.19	34.72	54.00	-19.28	AVG		

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

Operator: KK

File : TUV 8\Data #: 143

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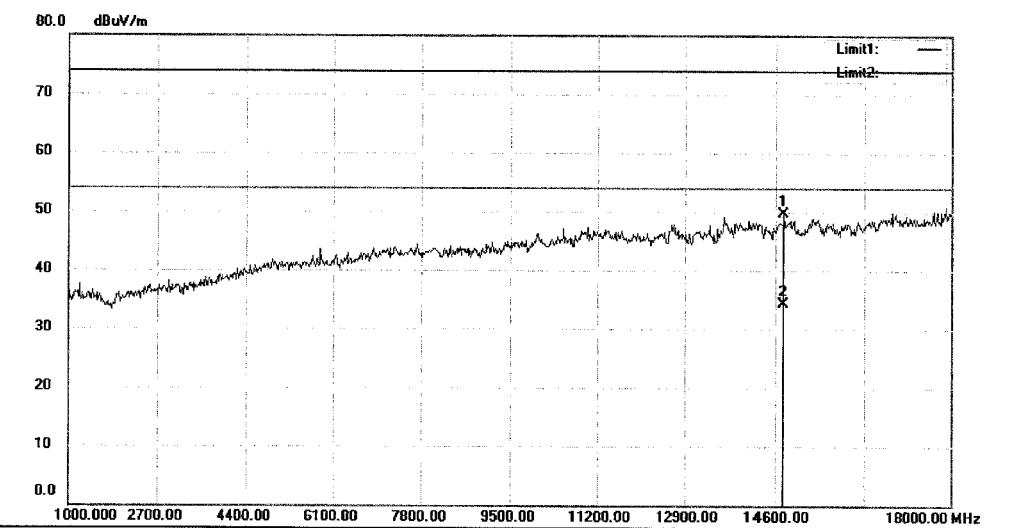
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Radiated Emission Measurement

File : TUV 8

Data #: 146

Date: 15/08/14



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2437

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over	Antenna Height cm	Table Degree
1		14753.00	56.13	-6.47	49.66	74.00	-24.34	peak	
2	*	14753.00	40.79	-6.47	34.32	54.00	-19.68	AVG	

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

Operator: KK

File : TUV 8\ Data #: 146

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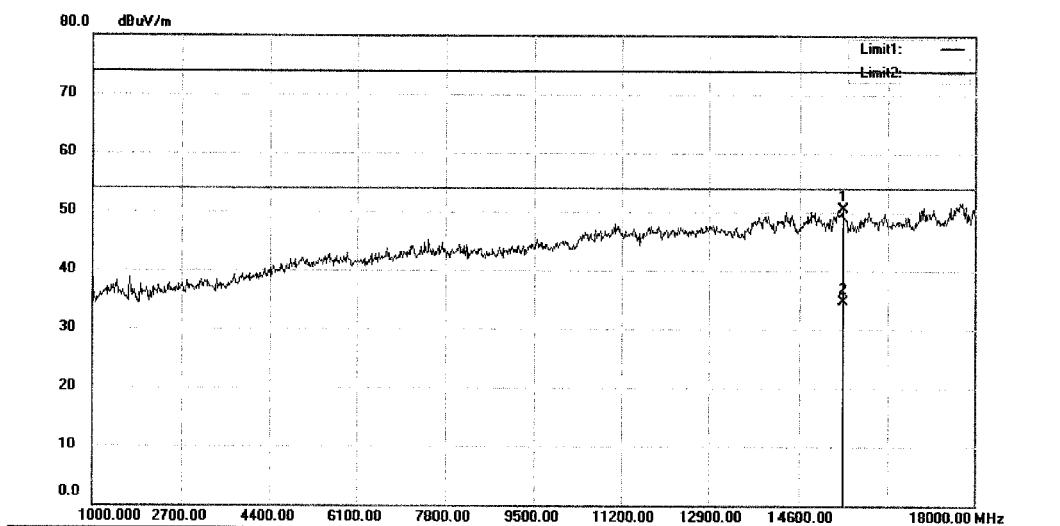
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Radiated Emission Measurement

File : TUV 8

Data #: 145

Date: 15/08/14



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15416.00	57.80	-7.23	50.57	74.00	-23.43	peak			
2	*	15416.00	41.98	-7.23	34.75	54.00	-19.25	AVG			

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

Operator: KK

File : TUV 8\ Data #: 145

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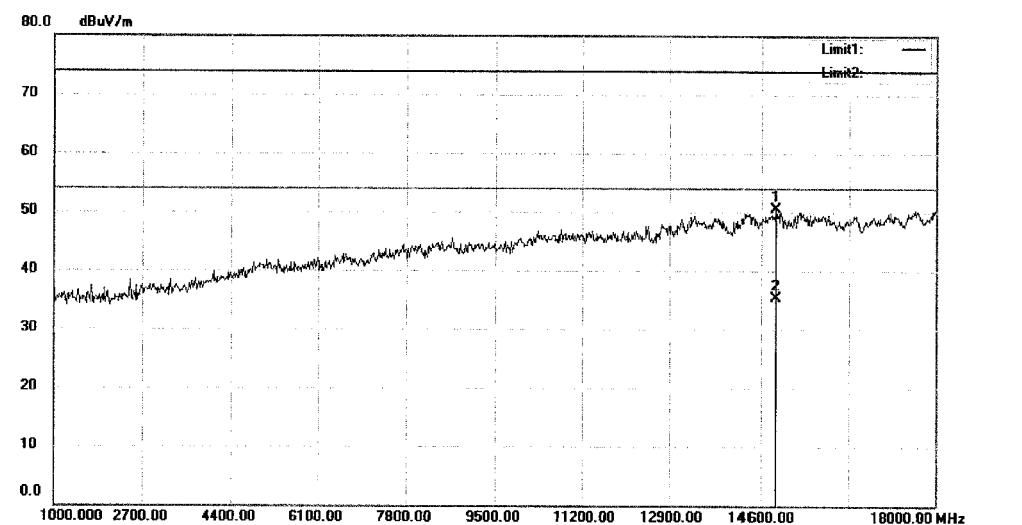
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Radiated Emission Measurement

File : TUV 8

Data #: 148

Date: 15/08/14/



Site: 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		14889.00	57.27	-6.69	50.58	74.00	-23.42	peak		
2 *		14889.00	41.98	-6.69	35.29	54.00	-18.71	AVG		

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

Operator: KK

File : TUV 8\ Data #: 148

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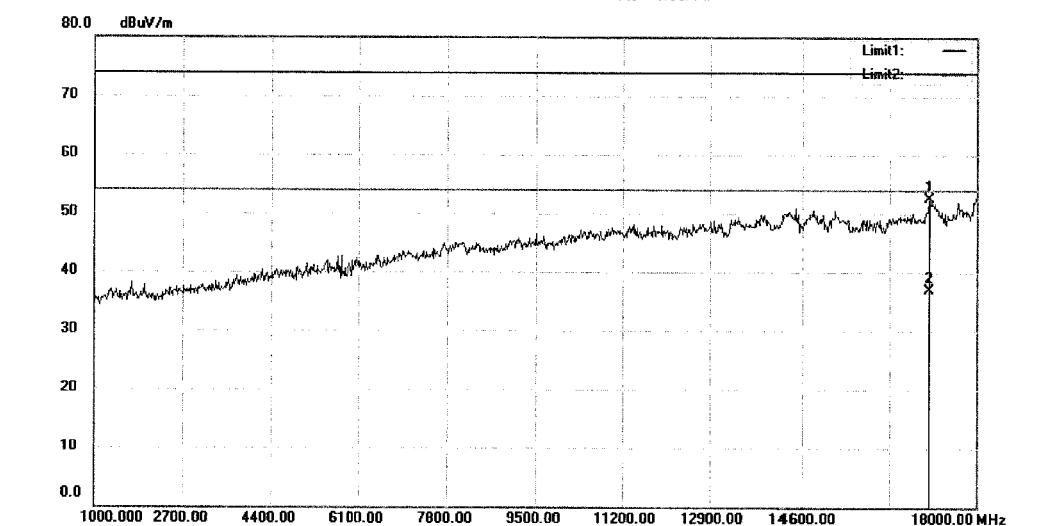


Radiated Emission Measurement

File :TUV 8

Data :#147

Date: 15/08/14/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1	17082.00	56.91	-4.31	52.60	74.00	-21.40	peak			
2 *	17082.00	41.19	-4.31	36.88	54.00	-17.12	AVG			

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

Operator: KK

File :TUV 8\Data #147

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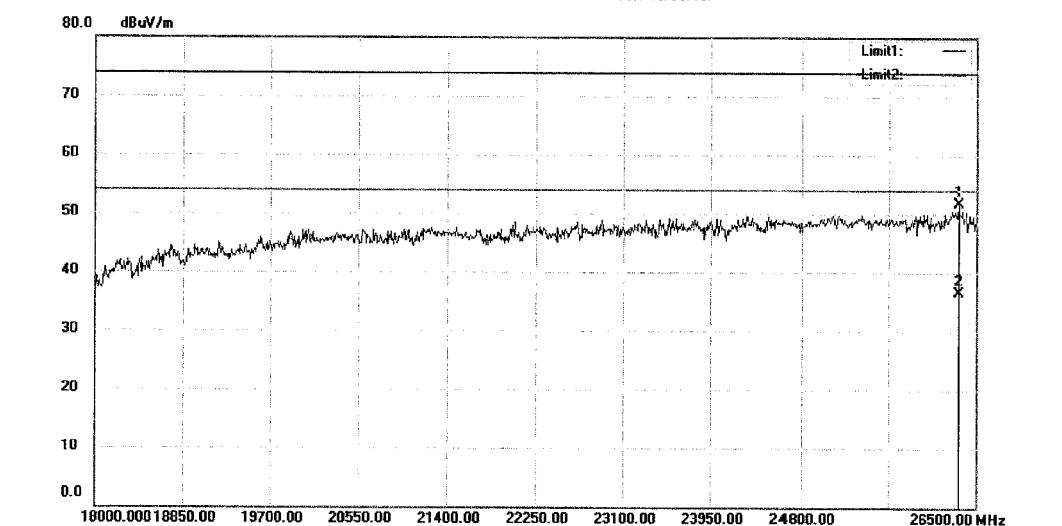


Radiated Emission Measurement

File :TUV 8

Data :#240

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		26330.00	87.04	-35.39	51.65	74.00	-22.35	peak		
2	*	26330.00	71.87	-35.39	36.48	54.00	-17.52	AVG		

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

Operator: KK

File :TUV 8\Data #240

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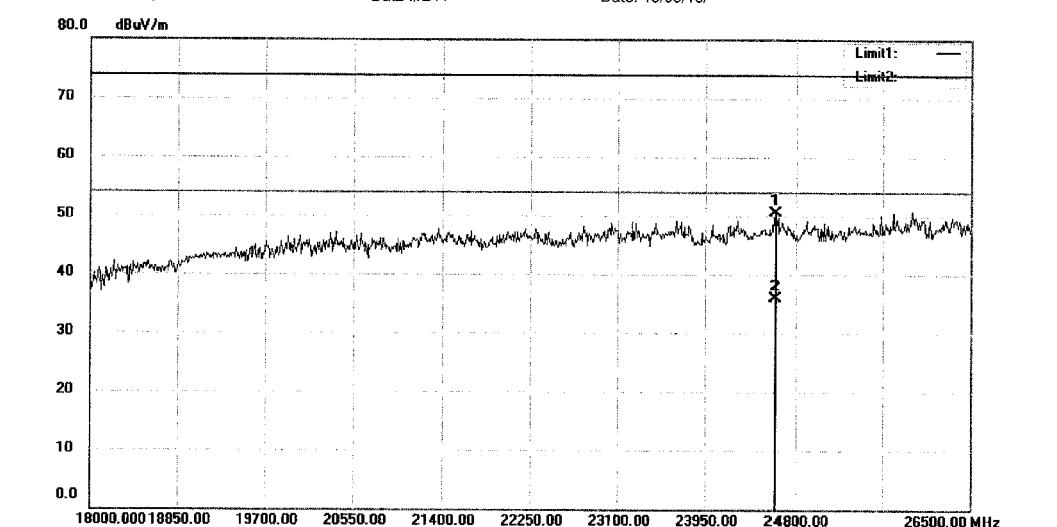


Radiated Emission Measurement

File : TUV 8

Data : #241

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24613.00	87.60	-37.06	50.54	74.00	-23.46	peak			
2 *		24613.00	72.92	-37.06	35.86	54.00	-18.14	AVG			

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

Operator: KK

File : TUV 8\Data .#241

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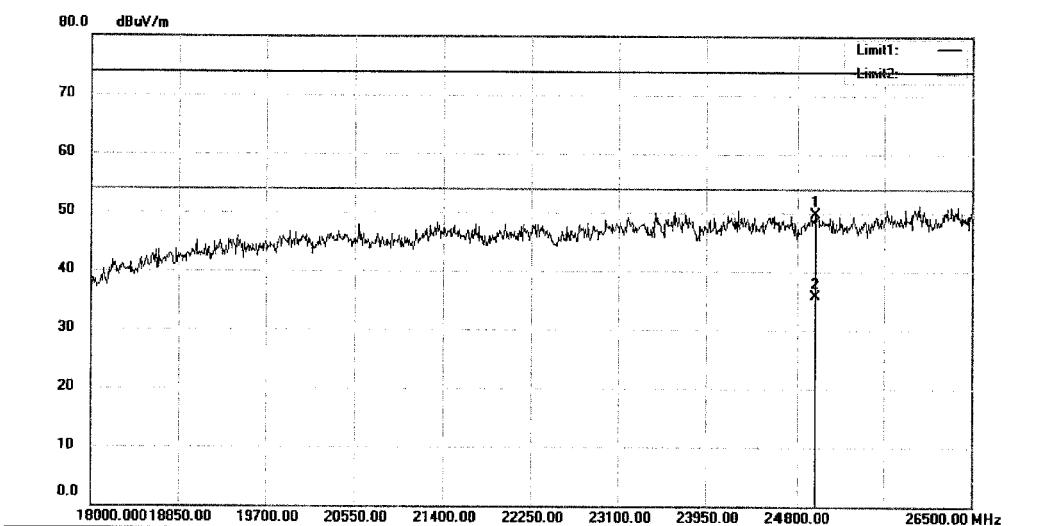


Radiated Emission Measurement

File : TUV 8

Data #: 242

Date: 15/08/15



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		24970.00	86.71	-37.01	49.70	74.00	-24.30	peak		
2	*	24970.00	72.63	-37.01	35.62	54.00	-18.38	AVG		

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

Operator: KK

File : TUV 8\Data #: 242

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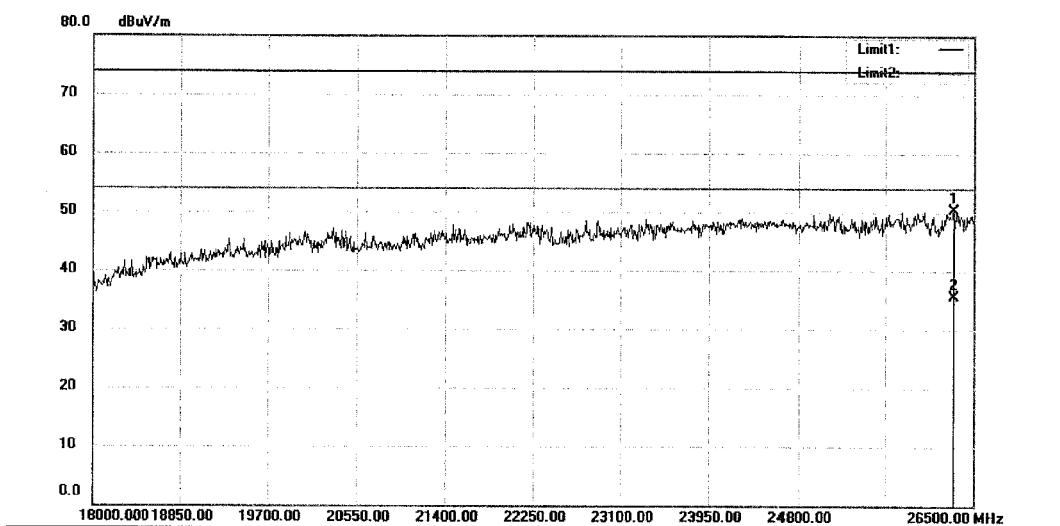


Radiated Emission Measurement

File : TUV 8

Data : #243

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		26313.00	85.66	-35.41	50.25	74.00	-23.75	peak		
2	*	26313.00	70.87	-35.41	35.46	54.00	-18.54	AVG		

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

Operator: KK

File : TUV 8\Data : #243

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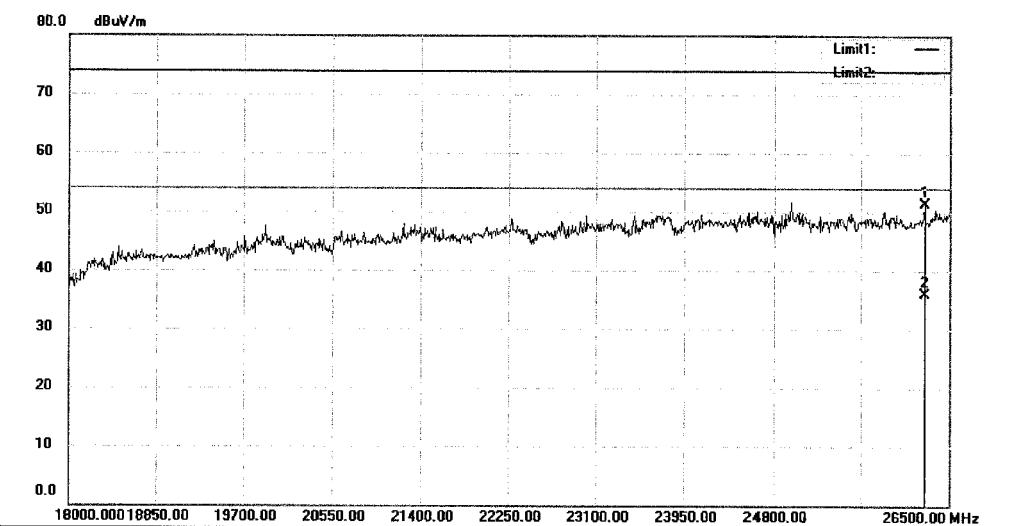


Radiated Emission Measurement

File :TUV 8

Data :#244

Date: 15/08/15/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		26262.00	86.71	-35.47	51.24	74.00	-22.76	peak			
2	*	26262.00	71.34	-35.47	35.87	54.00	-18.13	AVG			

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

Operator: KK

File :TUV 8\Data :#244

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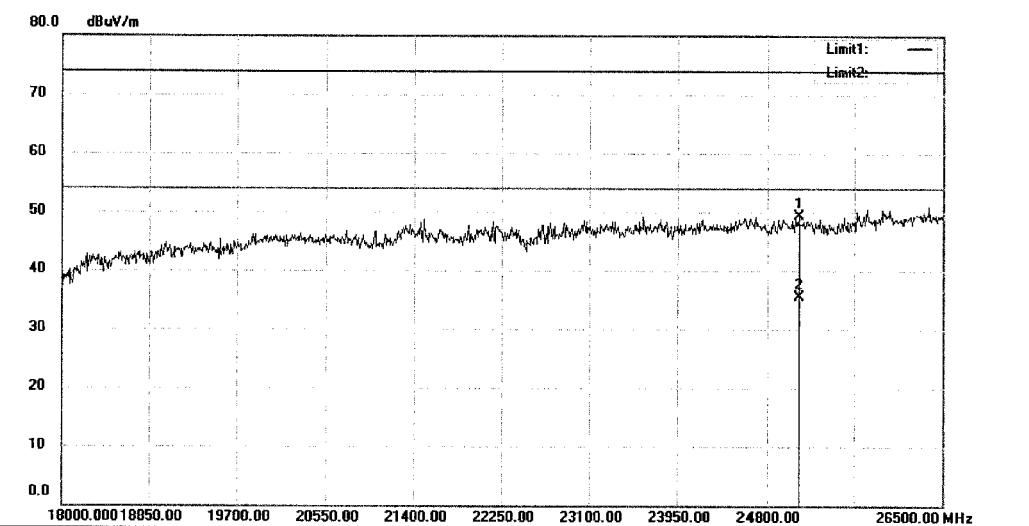


Radiated Emission Measurement

File : TUV 8

Data #: 245

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		25106.00	86.21	-36.88	49.33	74.00	-24.67	peak		
2	*	25106.00	72.30	-36.88	35.42	54.00	-18.58	AVG		

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

Operator: KK

File : TUV 8\Data #: 245

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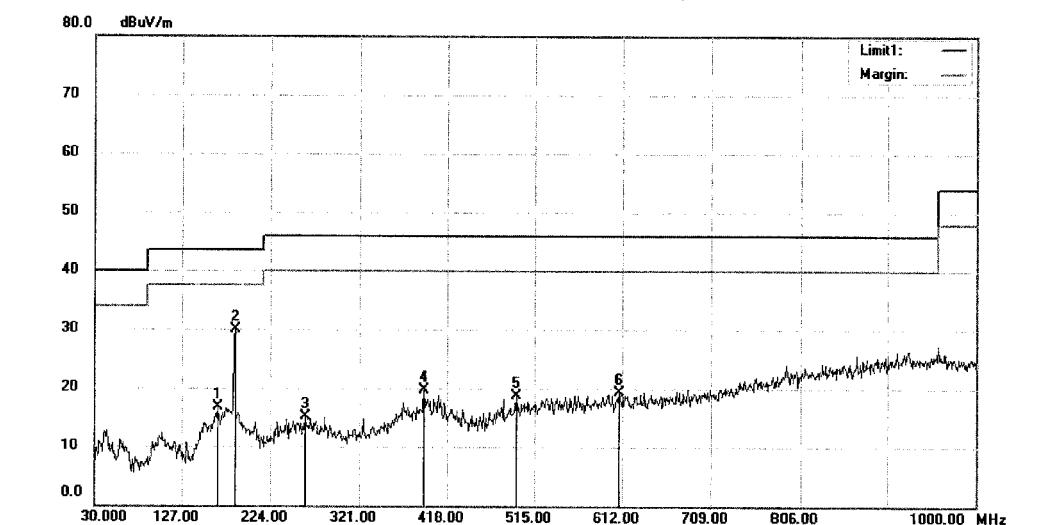


Radiated Emission Measurement

File :TUV 8

Data #:19

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 40M 2422

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		165.8000	35.80	-19.14	16.66	43.50	-26.84	QP			
2	*	185.2000	47.98	-18.09	29.89	43.50	-13.61	QP			
3		261.8300	27.96	-12.77	15.19	46.00	-30.81	QP			
4		392.7800	29.06	-9.28	19.78	46.00	-26.22	QP			
5		494.6300	26.90	-8.26	18.64	46.00	-27.36	QP			
6		608.1200	26.19	-6.91	19.28	46.00	-26.72	QP			

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

Operator: XLX

File :TUV 8\Data :\#19

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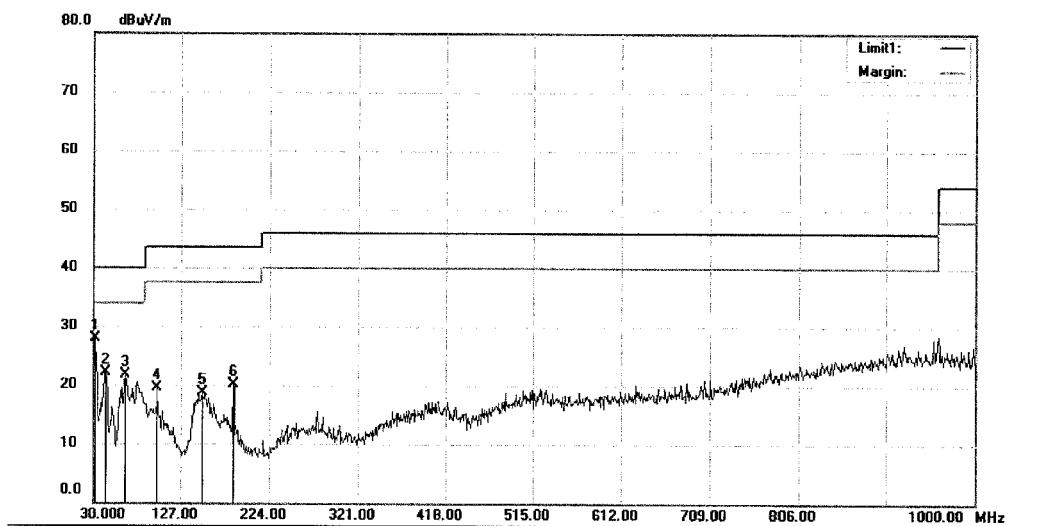


Radiated Emission Measurement

File :TUV 8

Data :#20

Date: 15/08/10/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 40M 2422

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over	Antenna Height cm	Table Degree	Comment
1	*	31.9400	43.78	-15.81	27.97	40.00	-12.03	QP		
2		43.5800	35.28	-13.13	22.15	40.00	-17.85	QP		
3		64.9200	38.77	-16.99	21.78	40.00	-18.22	QP		
4		100.8100	33.60	-14.02	19.58	43.50	-23.92	QP		
5		150.2800	36.73	-18.12	18.61	43.50	-24.89	QP		
6		184.2300	38.39	-18.25	20.14	43.50	-23.36	QP		

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

Operator: XLX

File :TUV 8\|Data :#20

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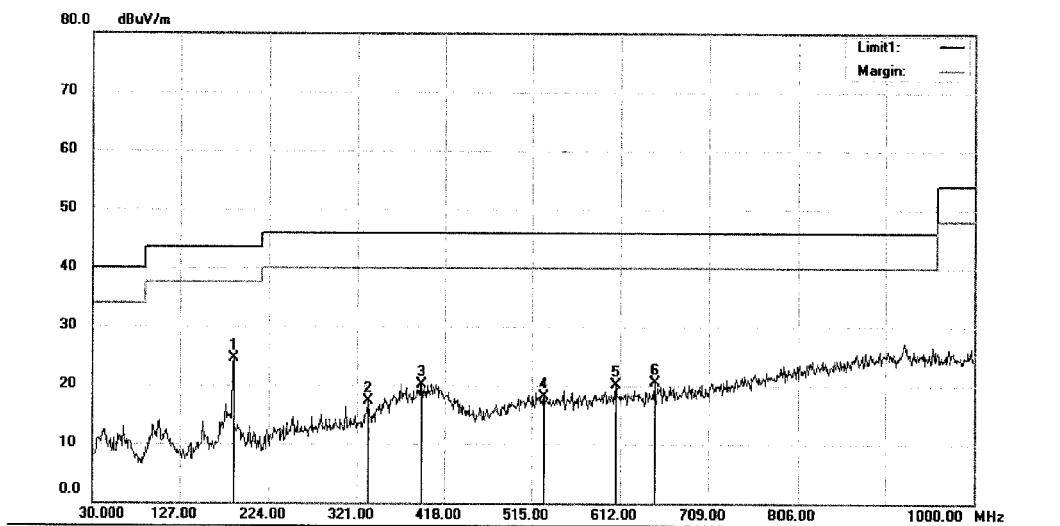


Radiated Emission Measurement

File :TUV 8

Data :#22

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 40M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	185.2000	42.57	-18.09	24.48	43.50	-19.02	QP		
2		333.6100	30.13	-12.80	17.33	46.00	-28.67	QP		
3		392.7800	29.48	-9.28	20.20	46.00	-25.80	QP		
4		528.5800	25.61	-7.56	18.05	46.00	-27.95	QP		
5		607.1500	26.93	-6.91	20.02	46.00	-25.98	QP		
6		649.8300	26.96	-6.49	20.47	46.00	-25.53	QP		

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

Operator: XLX

File :TUV 8\Data :#22

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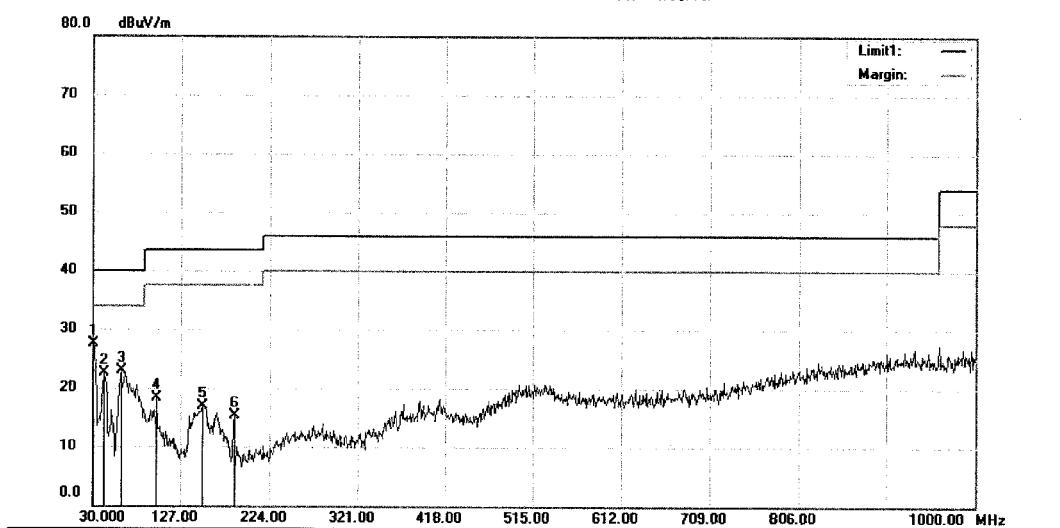


Radiated Emission Measurement

File :TUV 8

Data #:21

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 40M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1	*	30.9700	43.65	-16.13	27.52	40.00	-12.48	QP		
2		42.6100	35.54	-13.02	22.52	40.00	-17.48	QP		
3		61.0400	38.66	-15.82	22.84	40.00	-17.16	QP		
4		100.8100	32.27	-14.02	18.25	43.50	-25.25	QP		
5		150.2800	35.03	-18.12	16.91	43.50	-26.59	QP		
6		185.2000	33.32	-18.09	15.23	43.50	-28.27	QP		

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

Operator: XLX

File :TUV 8\Data #:21

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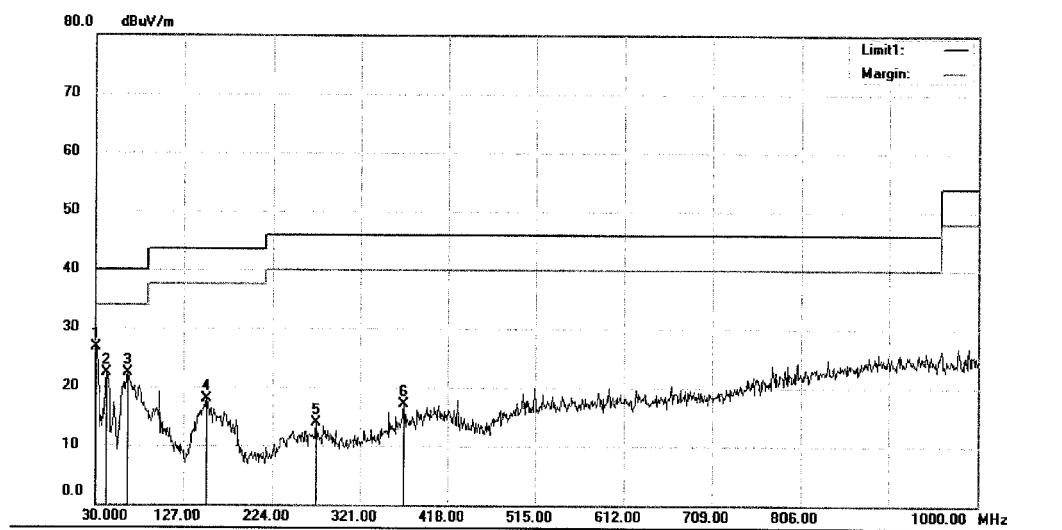


Radiated Emission Measurement

File : TUV 8

Data #: 23

Date: 15/08/10/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11N 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	30.9700	42.85	-16.13	26.72	40.00	-13.28	QP		
2		42.6100	35.34	-13.02	22.32	40.00	-17.68	QP		
3		64.9200	39.37	-16.99	22.38	40.00	-17.62	QP		
4		152.2200	36.17	-18.24	17.93	43.50	-25.57	QP		
5		272.5000	26.58	-12.65	13.93	46.00	-32.07	QP		
6		369.5000	27.59	-10.39	17.20	46.00	-28.80	QP		

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

Operator: XLX

File : TUV 8\Data #: 23

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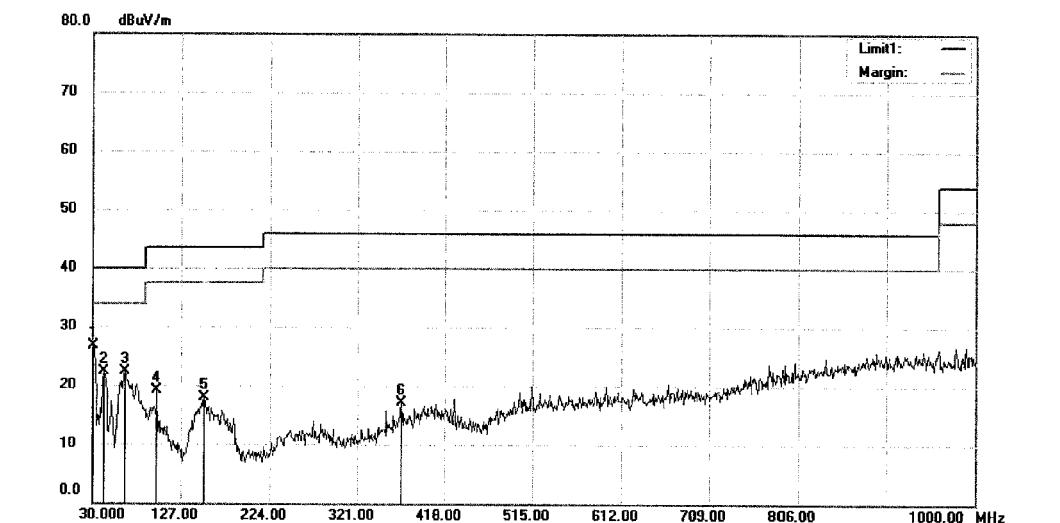


Radiated Emission Measurement

File :TUV 8

Data :#24

Date: 15/08/10/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11N 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1	*	30.9700	42.85	-16.13	26.72	40.00	-13.28	QP		
2		42.6100	35.34	-13.02	22.32	40.00	-17.68	QP		
3		64.9200	39.37	-16.99	22.38	40.00	-17.62	QP		
4		100.8100	33.21	-14.02	19.19	43.50	-24.31	QP		
5		152.2200	36.17	-18.24	17.93	43.50	-25.57	QP		
6		369.5000	27.59	-10.39	17.20	46.00	-28.80	QP		

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

Operator: XLX

File :TUV 8\Data .#24

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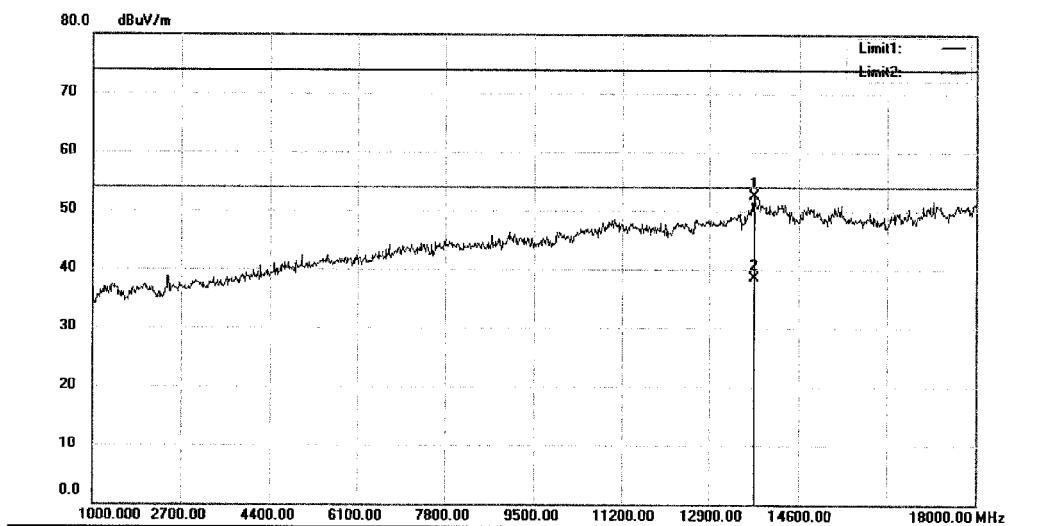


Radiated Emission Measurement

File :TUV 8

Data :#150

Date: 15/08/14/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		13767.00	58.84	-6.42	52.42	74.00	-21.58	peak		
2	*	13767.00	44.87	-6.42	38.45	54.00	-15.55	AVG		

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

Operator: KK

File :TUV 8\Data .#150

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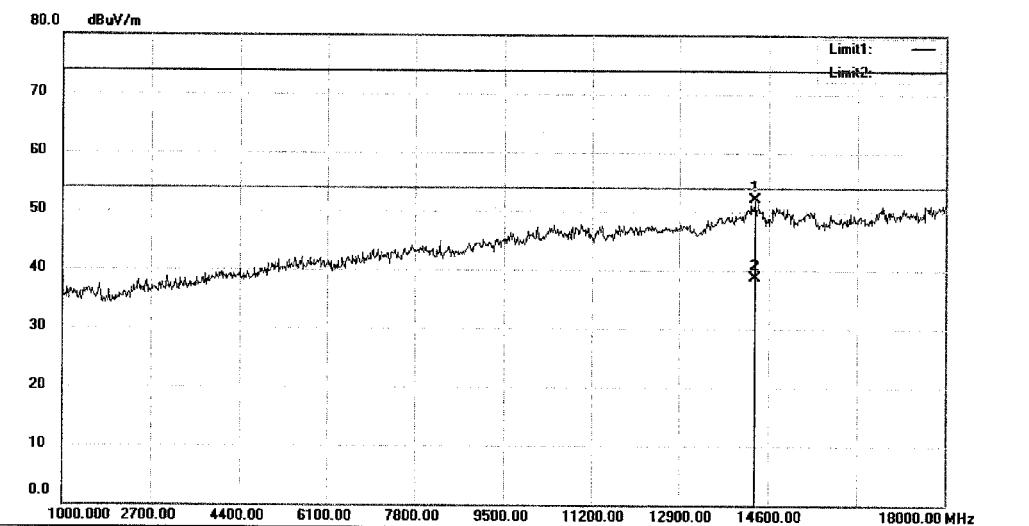


Radiated Emission Measurement

File : TUV 8

Data #: 149

Date: 15/08/14/



Site 3m Chamber #3

 Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		14328.00	57.96	-5.81	52.15	74.00	-21.85	peak		
2	*	14328.00	44.45	-5.81	38.64	54.00	-15.36	AVG		

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

Operator: KK

File : TUV 8\Data .#149

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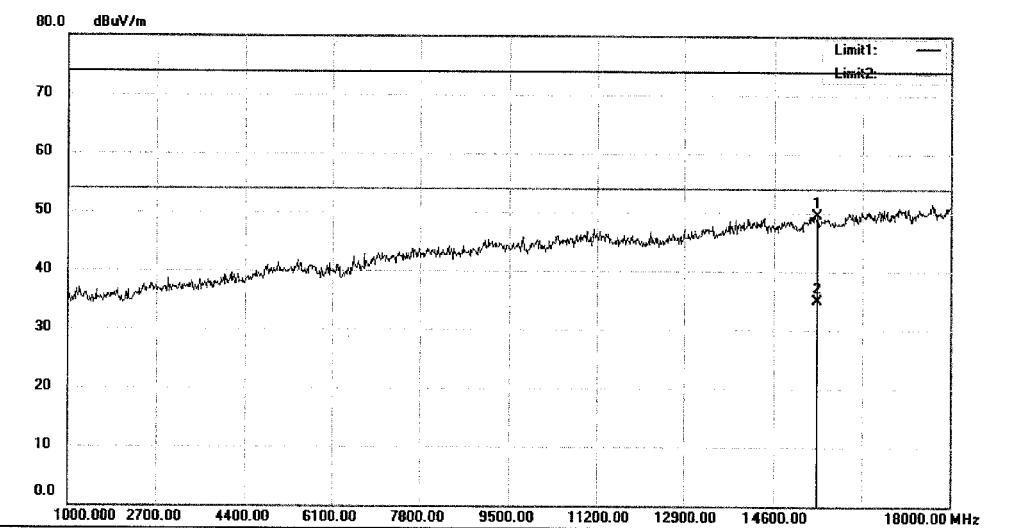


Radiated Emission Measurement

File : TUV 8

Data #: 152

Date: 15/08/14/



Site 3m Chamber #3

 Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		15433.00	56.75	-7.25	49.50	74.00	-24.50	peak		
2	*	15433.00	42.23	-7.25	34.98	54.00	-19.02	AVG		

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

Operator: KK

File : TUV 8\Data .#152

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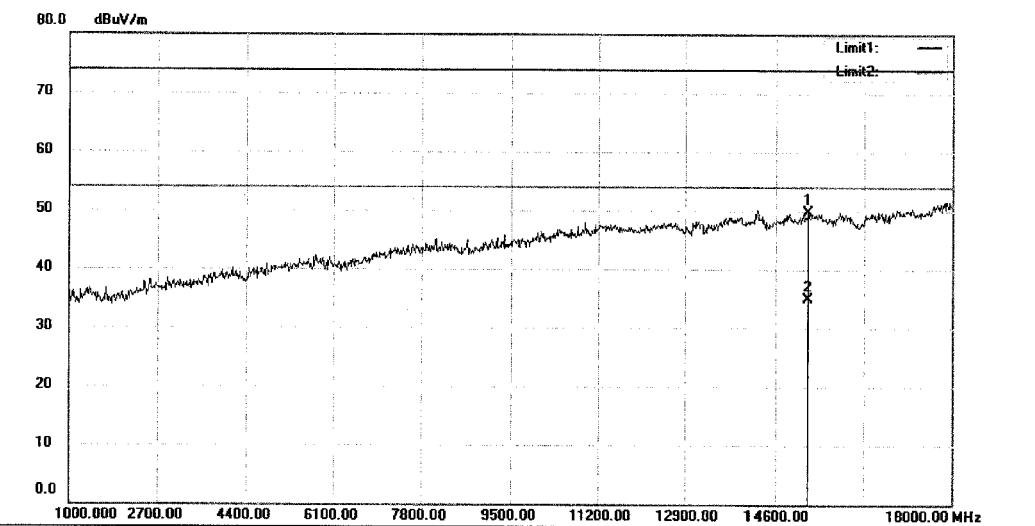


Radiated Emission Measurement

File : TUV 8

Data #: 151

Date: 15/08/14/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15229.00	56.74	-7.06	49.68	74.00	-24.32	peak			
2	*	15229.00	41.91	-7.06	34.85	54.00	-19.15	AVG			

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

Operator: KK

File : TUV 8\Data .#151

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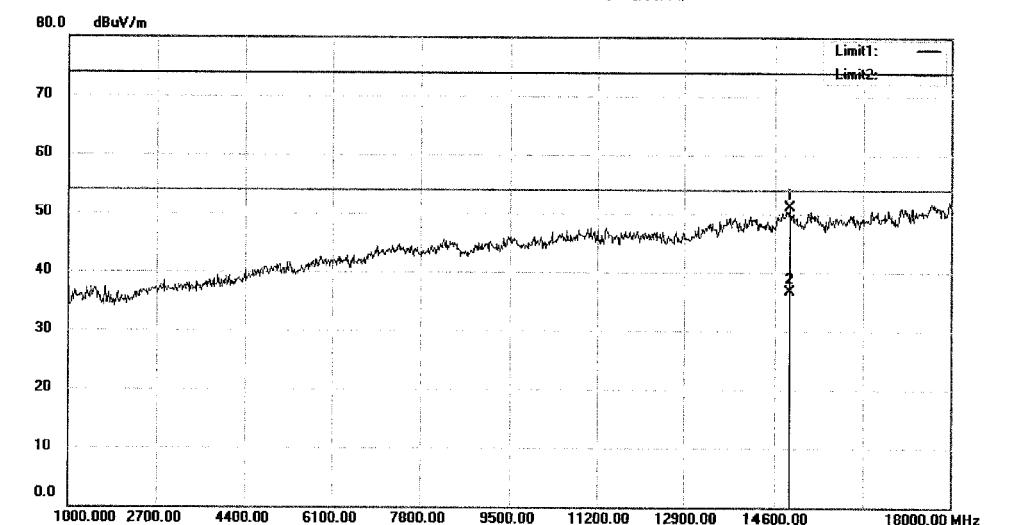


Radiated Emission Measurement

File : TUV 8

Data #: 154

Date: 15/08/14



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14872.00	57.76	-6.66	51.10	74.00	-22.90	peak			
2	*	14872.00	43.30	-6.66	36.64	54.00	-17.36	AVG			

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

Operator: KK

File : TUV 8\Data .#154

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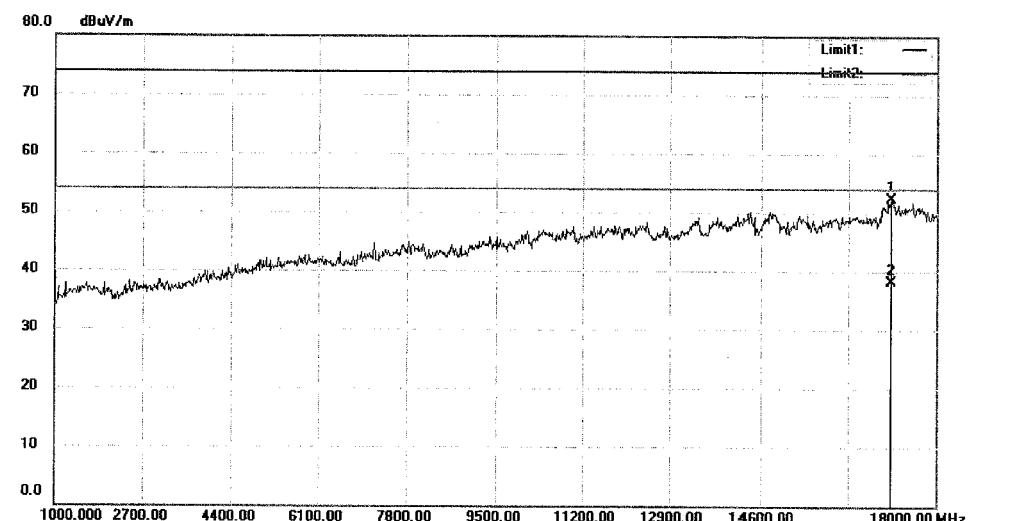


Radiated Emission Measurement

File : TUV 8

Data : #153

Date: 15/08/14/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		17133.00	56.28	-3.91	52.37	74.00	-21.63	peak		
2 *		17133.00	42.04	-3.91	38.13	54.00	-15.87	AVG		

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

Operator: KK

File : TUV 8|Data .#153

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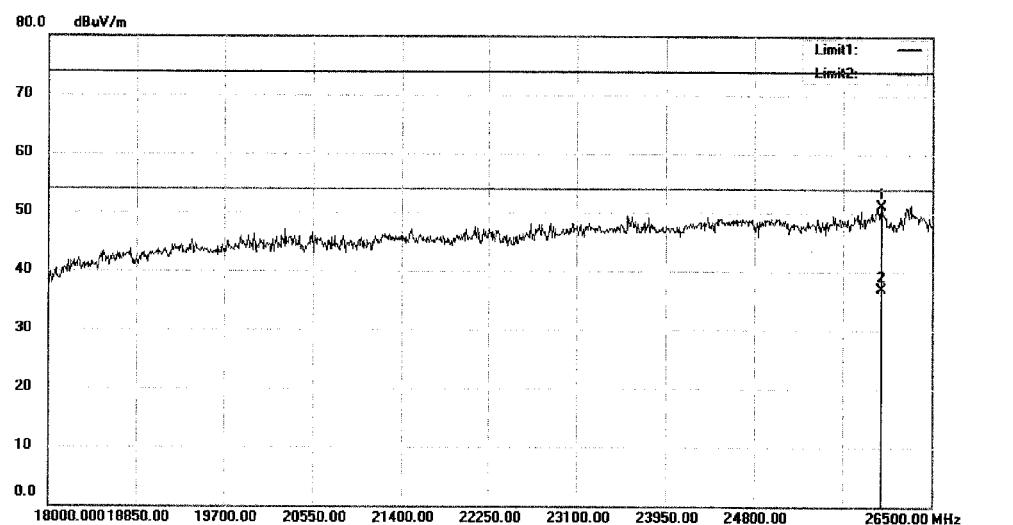


Radiated Emission Measurement

File :TUV 8

Data #:246

Date: 15/08/15/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	
1		26015.50	86.93	-35.77	51.16	74.00	-22.84	peak		
2	*	26015.50	72.62	-35.77	36.85	54.00	-17.15	AVG		

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

Operator: KK

File :TUV 8\|Data .#246

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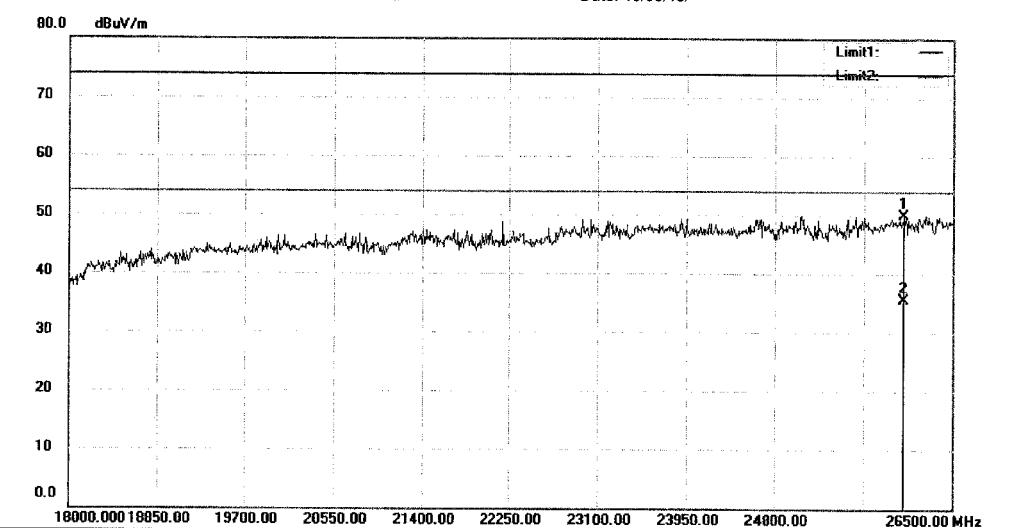


Radiated Emission Measurement

File : TUV 8

Data #: 247

Date: 15/08/15/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		26032.50	85.70	-35.75	49.95	74.00	-24.05	peak		
2	*	26032.50	71.21	-35.75	35.46	54.00	-18.54	AVG		

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

Operator: KK

File : TUV 8\ Data #: 247

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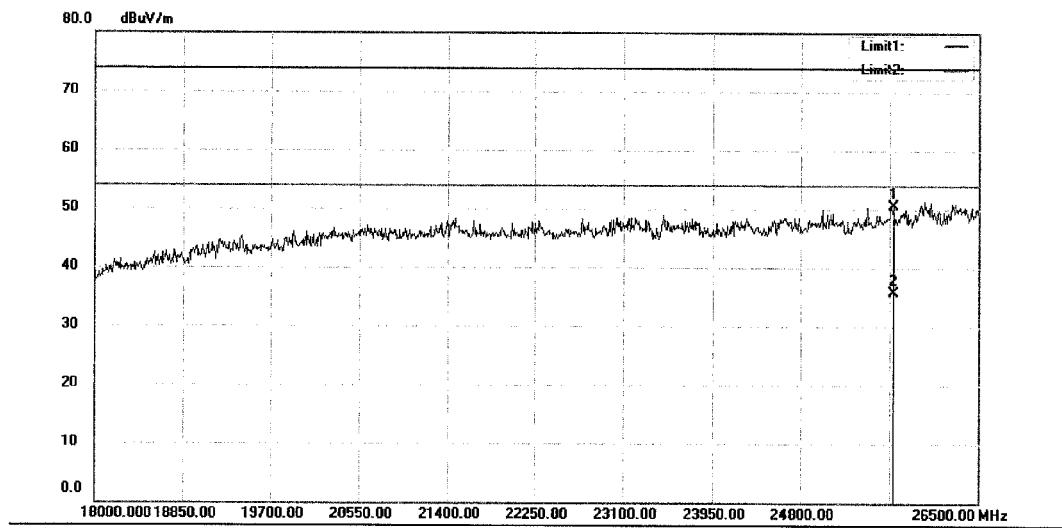


Radiated Emission Measurement

File : TUV 8

Data #: 248

Date: 15/08/15/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm degree	Comment
1		25684.00	86.76	-36.18	50.58	74.00	-23.42	peak		
2 *		25684.00	71.80	-36.18	35.62	54.00	-18.38	AVG		

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

Operator: KK

File : TUV 8\Data #: 248

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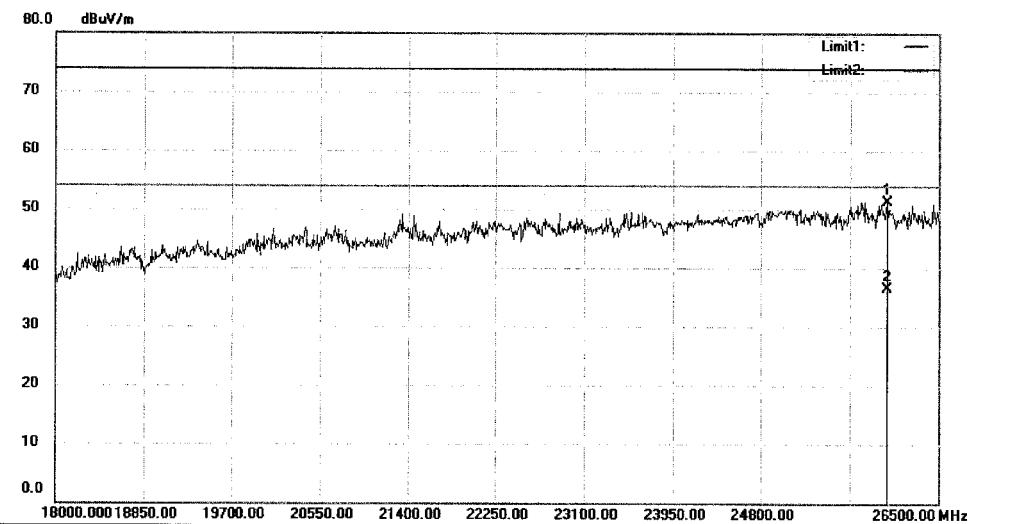
Access to the World

Radiated Emission Measurement

File : TUV 8

Data #: 249

Date: 15/08/15/



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		26007.00	87.06	-35.78	51.28	74.00	-22.72	peak			
2 *		26007.00	72.29	-35.78	36.51	54.00	-17.49	AVG			

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

Operator: KK

File : TUV 8\ Data #: 249

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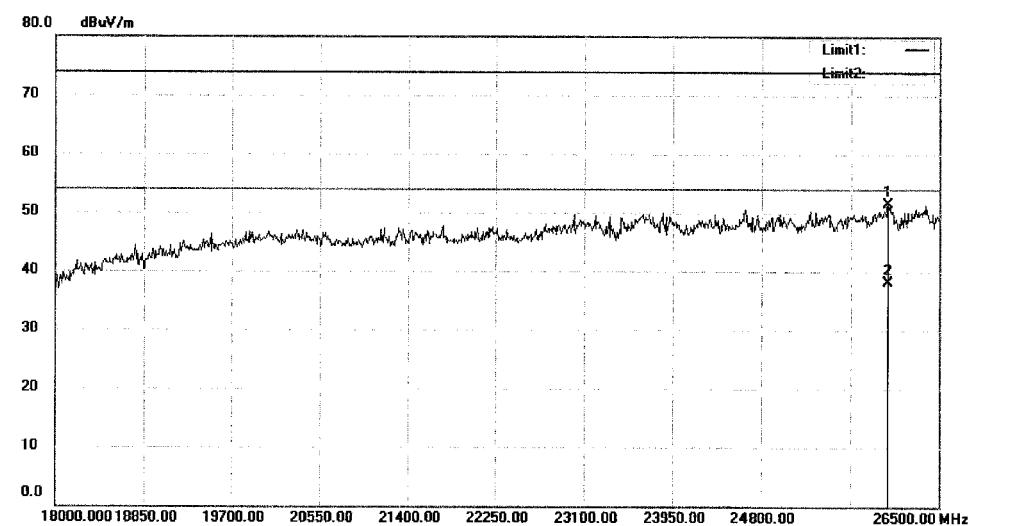


Radiated Emission Measurement

File : TUV 8

Data #: 250

Date: 15/08/15/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		26007.00	87.28	-35.78	51.50	74.00	-22.50	peak		
2 *		26007.00	73.91	-35.78	38.13	54.00	-15.87	AVG		

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

Operator: KK

File : TUV 8\Data #: 250

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Products

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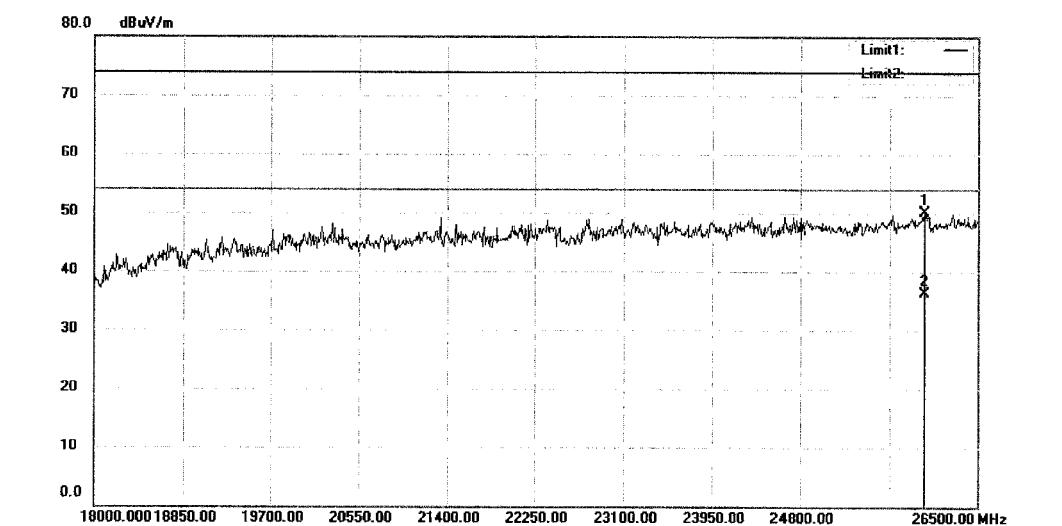


Radiated Emission Measurement

File :TUV 8

Data :#251

Date: 15/08/15/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		25981.50	85.97	-35.81	50.16	74.00	-23.84	peak		
2	*	25981.50	72.04	-35.81	36.23	54.00	-17.77	AVG		

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

Operator: KK

File :TUV 8\Data :#251

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Test Plot of Band Edge

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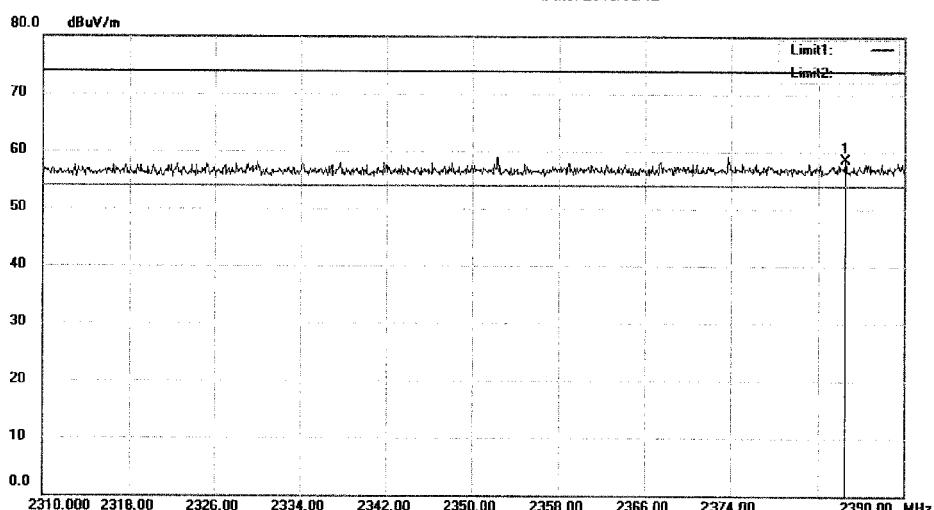


Radiated Emission Measurement

File : TUV 8

Data #61

Date: 2015/08/12



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2412

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm		Table Degree	Comment
								Detector	cm	degree	
1	*	2384.480	28.27	30.25	58.52	74.00	-15.48	peak			

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

Operator: XLX

File : TUV 8\ Data #61

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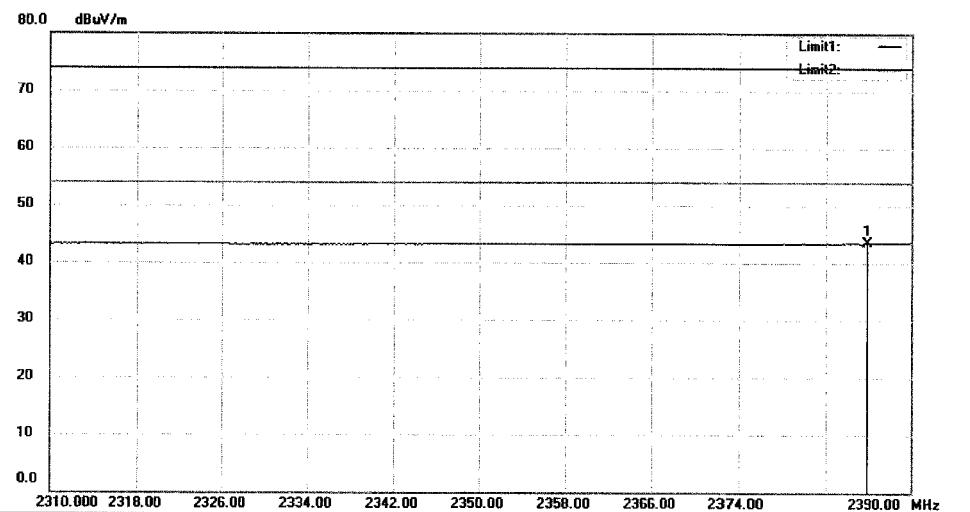
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Radiated Emission Measurement

File : TUV 8

Data : #62

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2385.920	13.20	30.26	43.46	54.00	-10.54	AVG			

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

Operator: XLX

File : TUV 8|Data : #62

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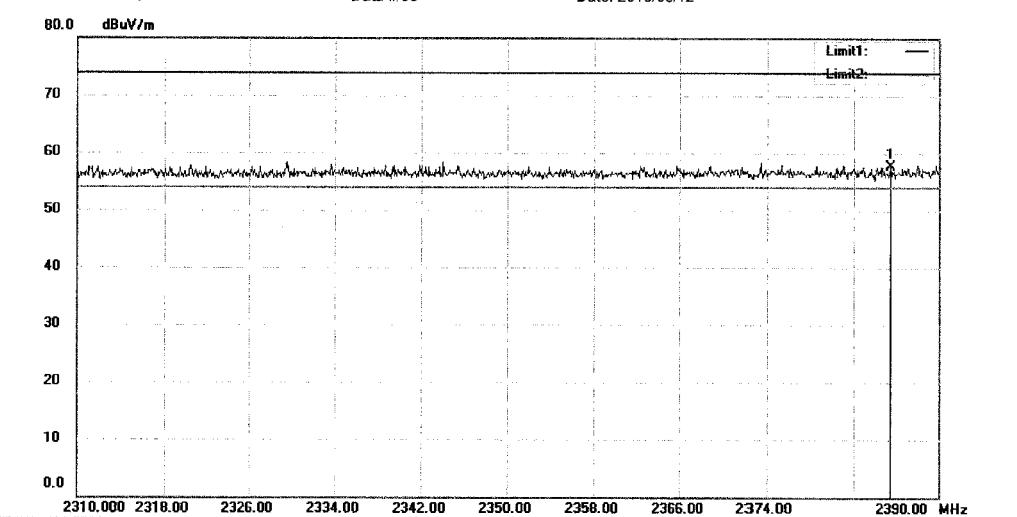


Radiated Emission Measurement

File : TUV 8

Data #63

Date: 2015/08/12



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm degree Comment
1	*	2385.440	27.41	30.25	57.66	74.00	-16.34	peak	

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

Operator: XLX

File : TUV 8\Data .#63

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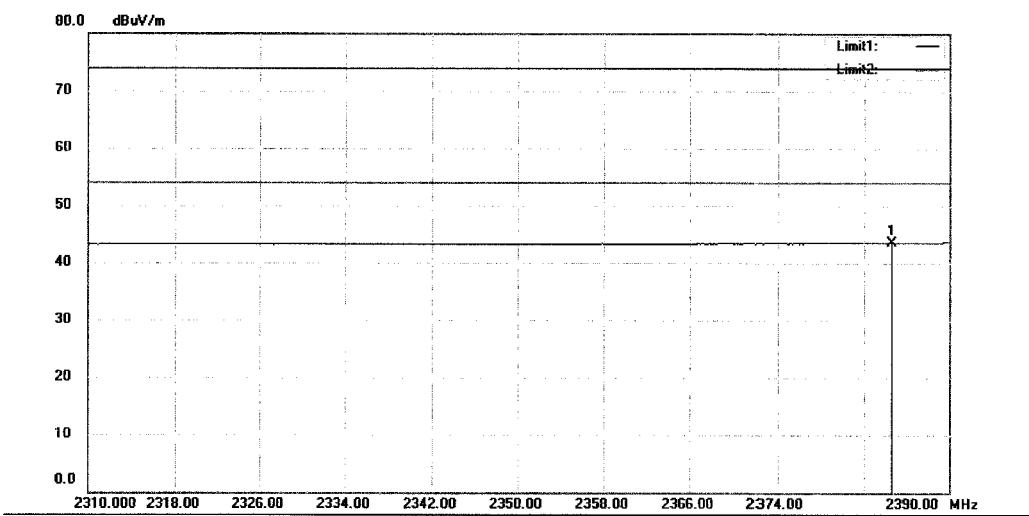


Radiated Emission Measurement

File : TUV 8

Data : #64

Date: 2015/08/12



Site 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2384.560	13.35	30.25	43.60	54.00	-10.40	AVG			

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

Operator: XLX

File : TUV 8\ Data : #64

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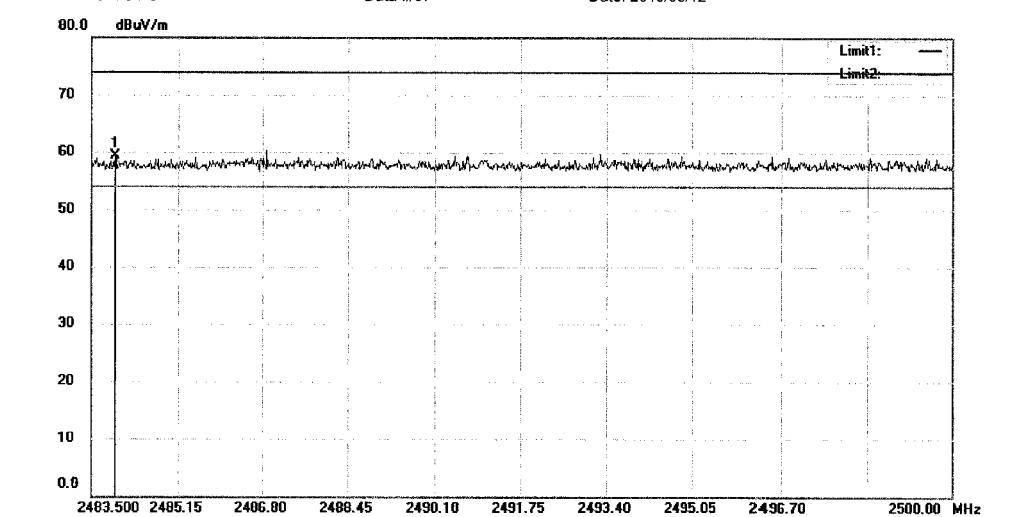
Access to the World

Radiated Emission Measurement

File : TUV 8

Data #: 67

Date: 2015/08/12



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.945	28.51	30.71	59.22	74.00	-14.78	peak			

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

Operator: XLX

File : TUV 8\Data .#67

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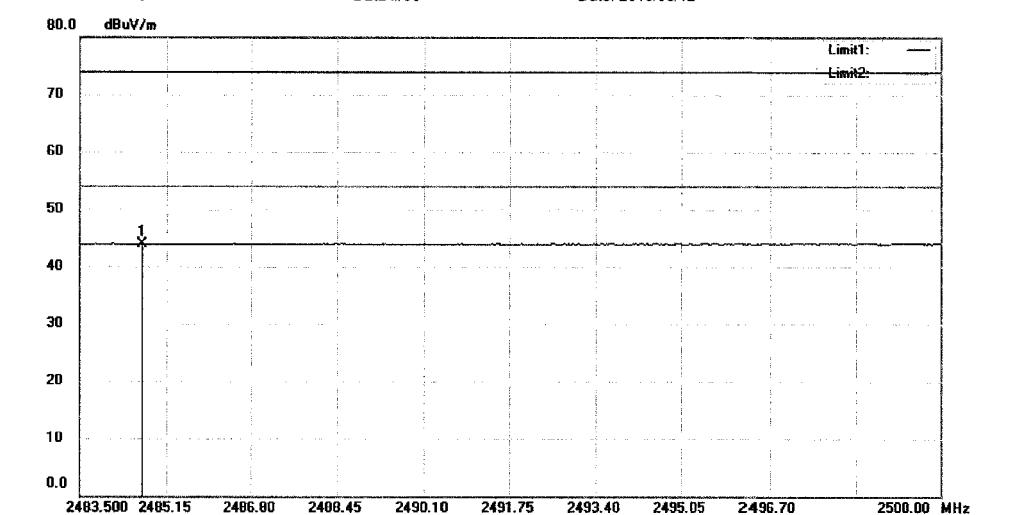


Radiated Emission Measurement

File : TUV 8

Data : #68

Date: 2015/08/12



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree							
								MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2484.671	13.27	30.71	43.98	54.00	-10.02	AVG								

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

Operator: XLX

File : TUV 8|Data : #68

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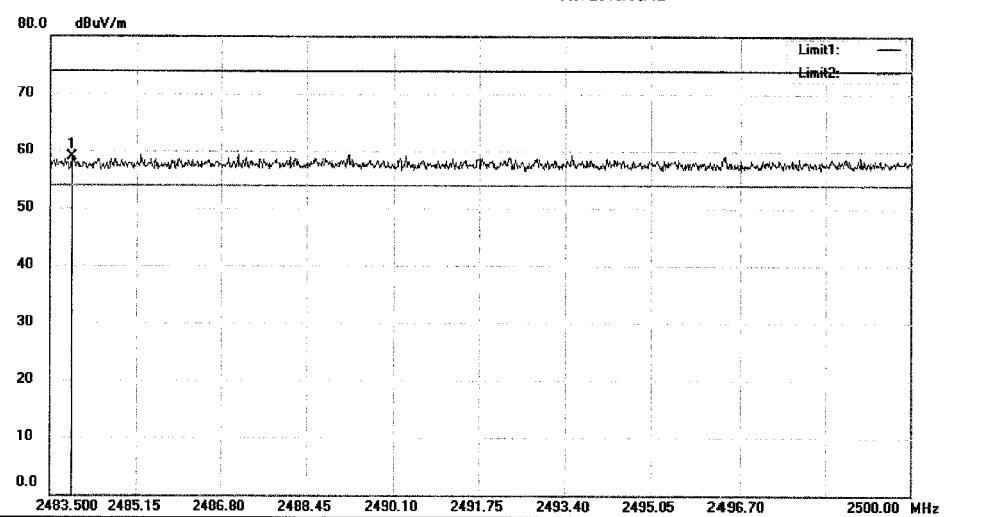


Radiated Emission Measurement

File :TUV 8

Data :#65

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.896	28.17	30.71	58.88	74.00	-15.12	peak			

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

Operator: XLX

File :TUV 8\Data :#65

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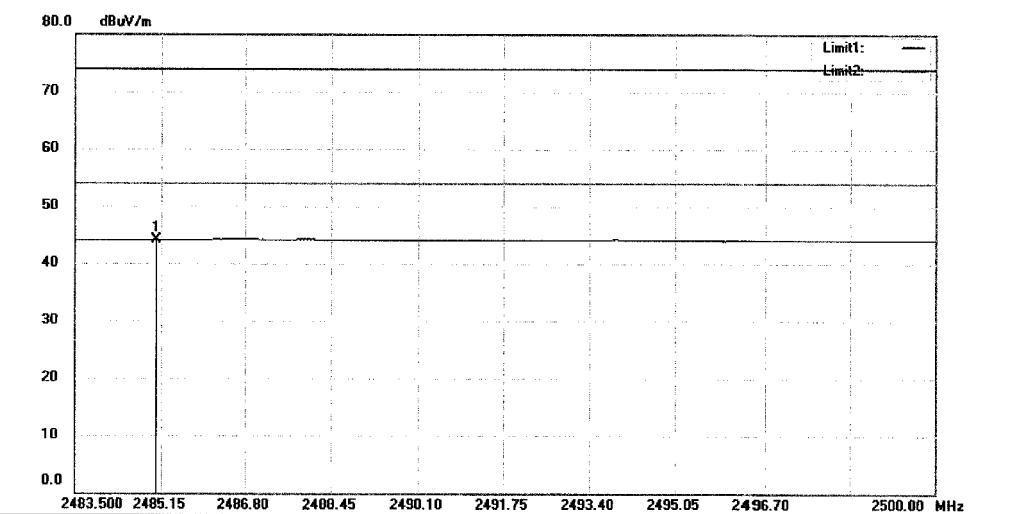


Radiated Emission Measurement

File : TUV 8

Data : #66

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11b 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2485.051	13.43	30.71	44.14	54.00	-9.86	AVG			

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

Operator: XLX

File : TUV 8\Data : #66

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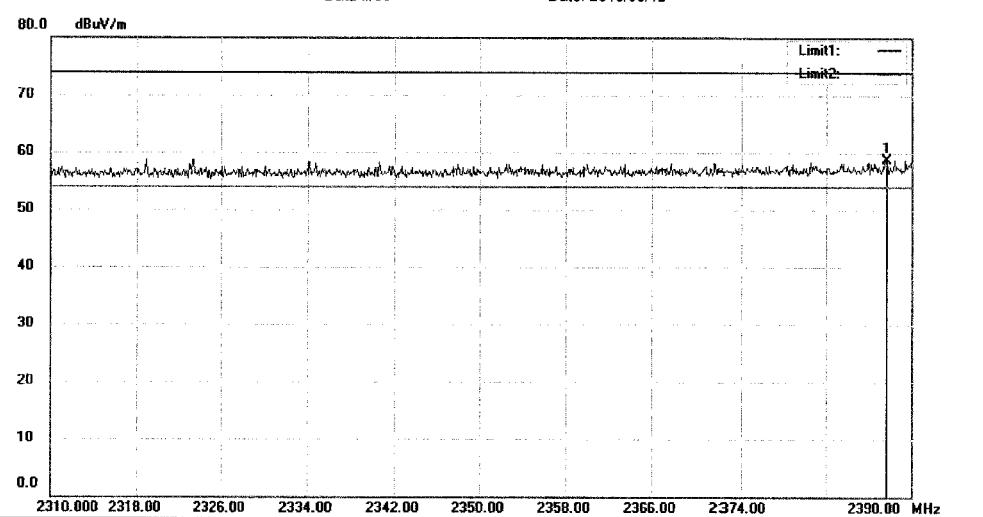


Radiated Emission Measurement

File : TUV 8

Data : #69

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2387.680	28.51	30.27	58.78	74.00	-15.22	peak			

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

Operator: XLX

File : TUV 8|Data : #69

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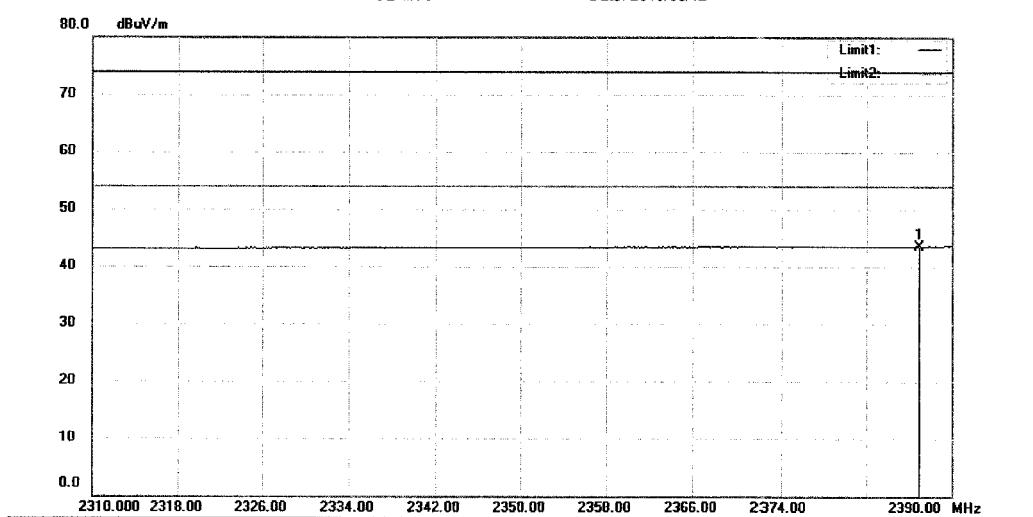


Radiated Emission Measurement

File : TUV 8

Data : #70

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2386.960	13.33	30.27	43.60	54.00	-10.40	AVG			

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

Operator: XLX

File : TUV 8\Data :#70

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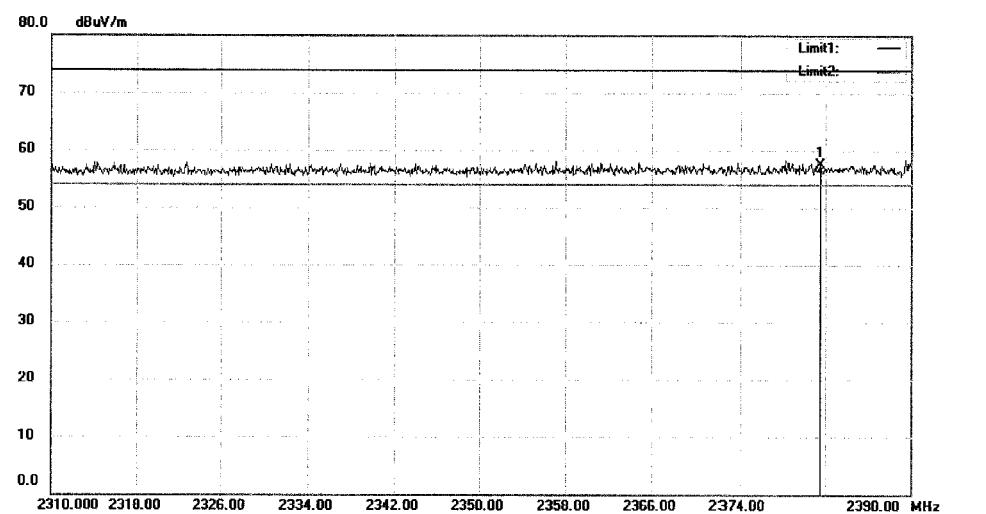


Radiated Emission Measurement

File : TUV 8

Data #71

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2381.520	27.17	30.24	57.41	74.00	-16.59	peak			

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

Operator: XLX

File : TUV 8\Data #71

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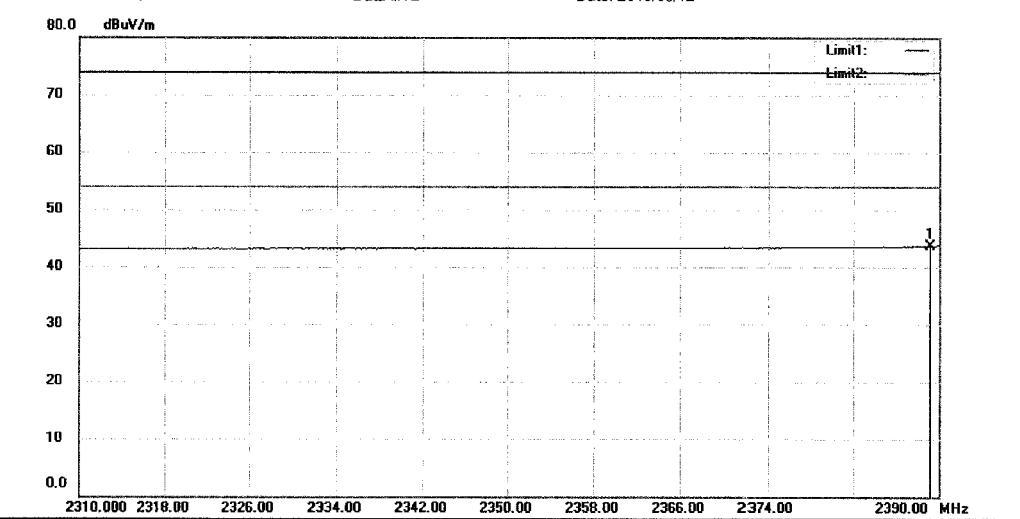


Radiated Emission Measurement

File : TUV 8

Data #: 72

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2389.200	13.45	30.27	43.72	54.00	-10.28	AVG			

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

Operator: XLX

File : TUV 8|Data #: 72

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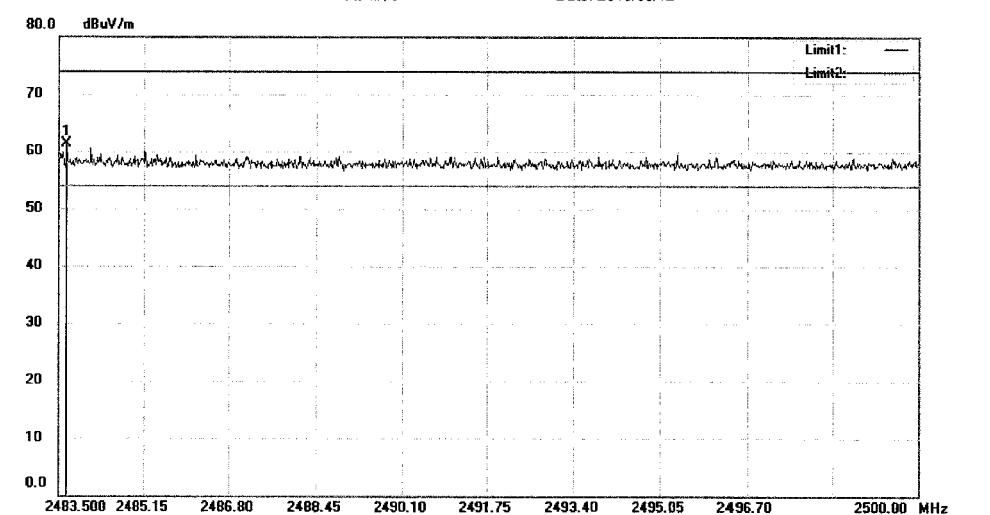


Radiated Emission Measurement

File : TUV 8

Data #: 73

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height		Table Degree							
								MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.648	30.54	30.70	61.24	74.00	-12.76	peak									

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

Operator: XLX

File : TUV 8\Data .#73

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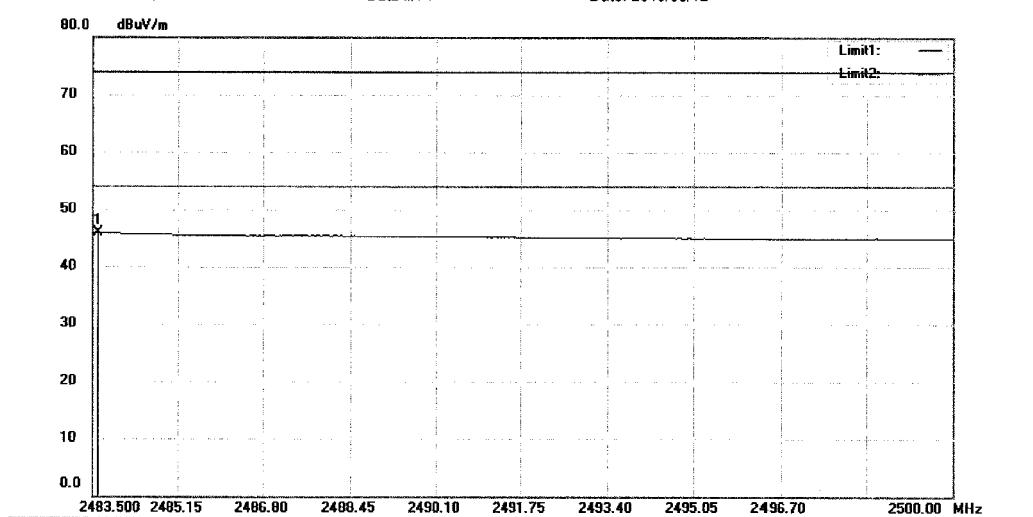


Radiated Emission Measurement

File : TUV 8

Data : #74

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.599	15.23	30.70	45.93	54.00	-8.07	AVG			

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

Operator: XLX

File : TUV 8\Data : #74

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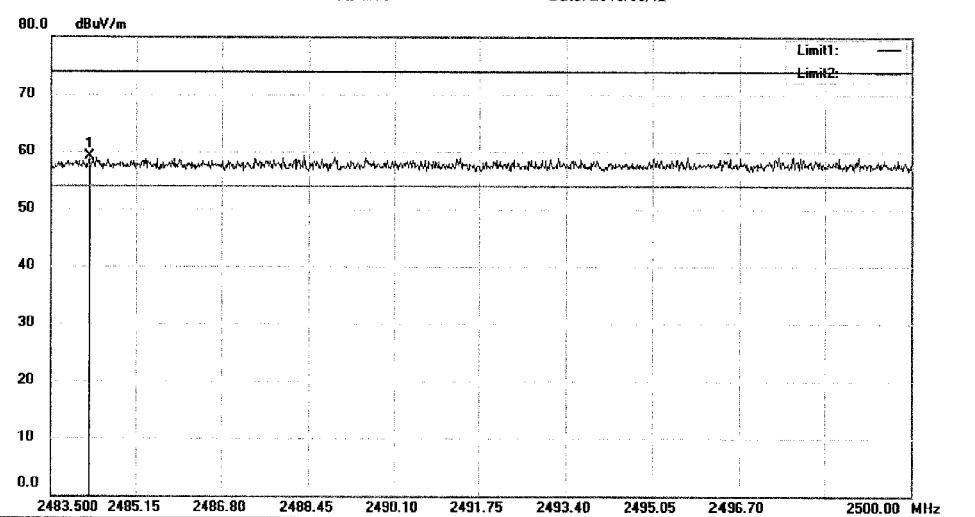


Radiated Emission Measurement

File : TUV 8

Data #: 75

Date: 2015/08/12



Site: 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2484.226	28.46	30.71	59.17	74.00	-14.83	peak			

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

Operator: XLX

File : TUV 8\Data : #75

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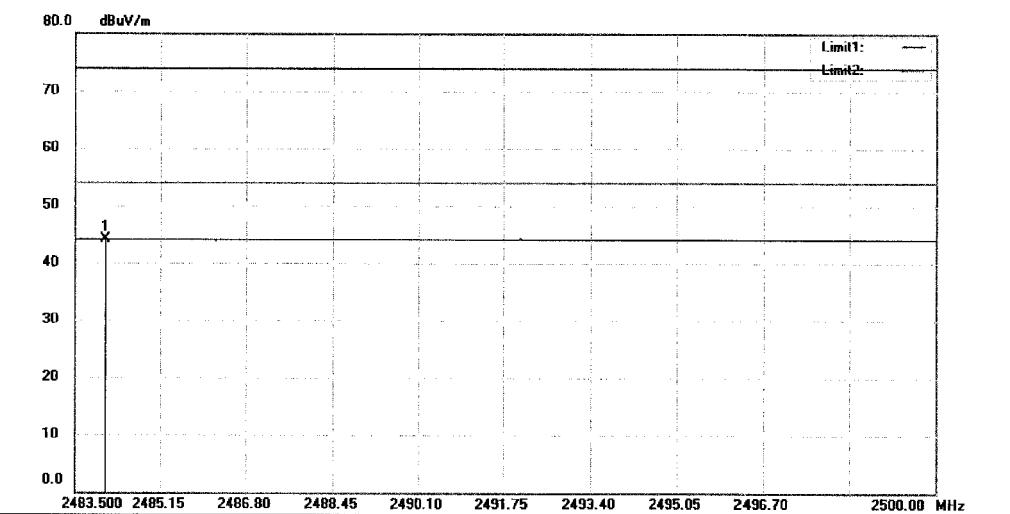
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Access to the World
Radiated Emission Measurement

File : TUV 8

Data #76

Date: 15/08/13/



Site: 3m Chamber #3

 Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11g 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Over dB	Antenna Height cm		Table Degree
							Detector	degree	
1	*	2484.077	13.15	30.96	44.11	54.00	-9.89	AVG	

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

Operator: XLX

File : TUV 8\Data #76

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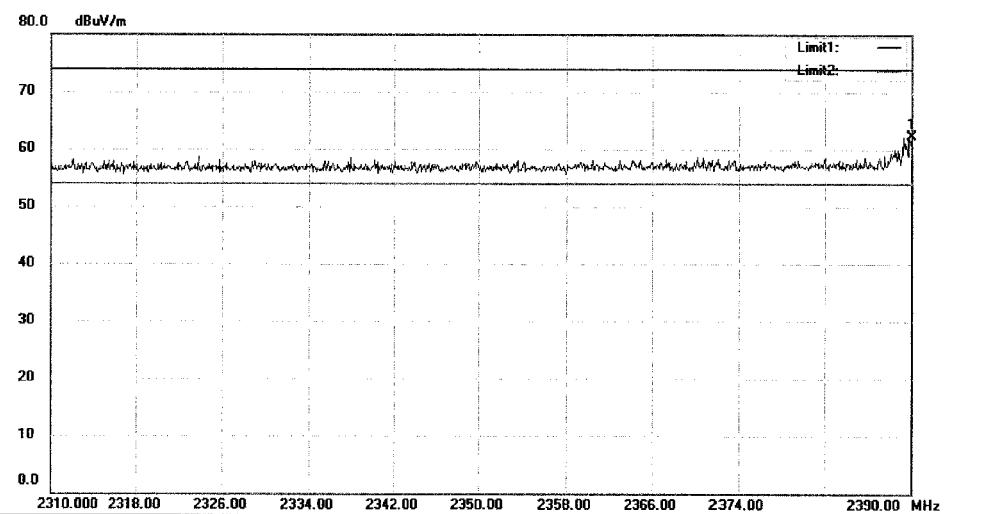


Radiated Emission Measurement

File : TUV 8

Data #79

Date: 15/08/13/



Site 3m Chamber #3

Polarization: *Horizontal*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2390.000	31.87	30.50	62.37	74.00	-11.63	peak			

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

Operator: XLX

File : TUV 8\Data #79

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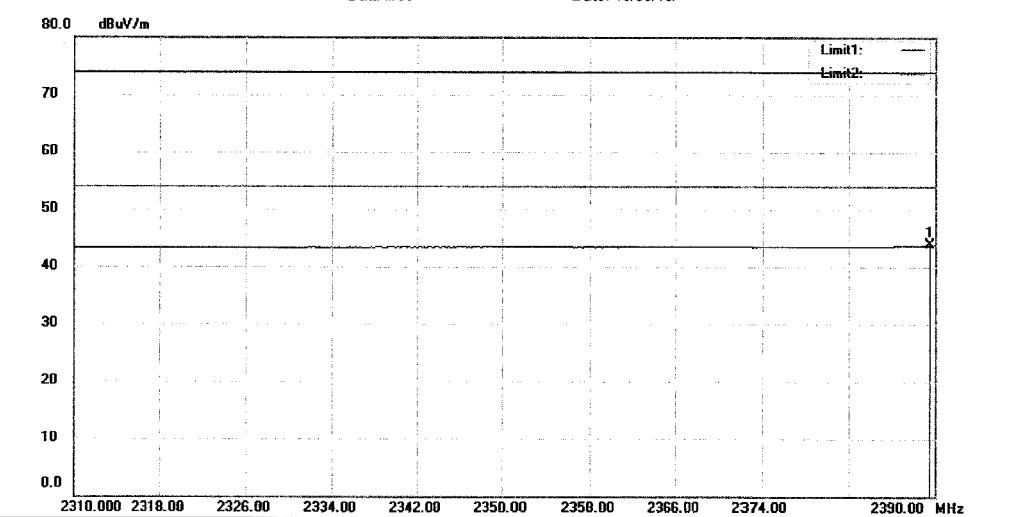


Radiated Emission Measurement

File : TUV 8

Data : #80

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2389.520	13.32	30.49	43.81	54.00	-10.19	AVG			

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

Operator: XLX

File : TUV 8\Data :#80

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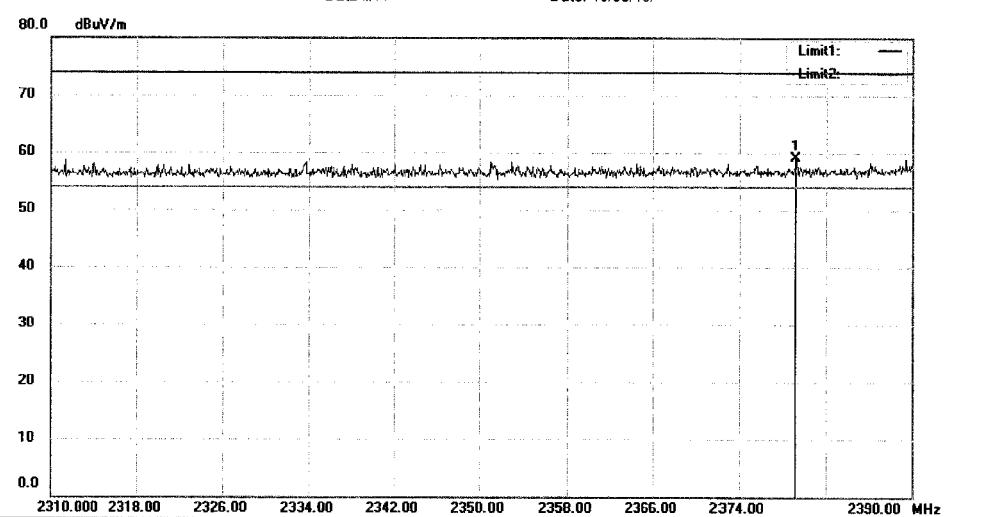


Radiated Emission Measurement

File : TUV 8

Data #77

Date: 15/08/13/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Table			
								Height	Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2379.200	28.58	30.45	59.03	74.00	-14.97	peak			

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

Operator: XLX

File : TUV 8|Data :#77

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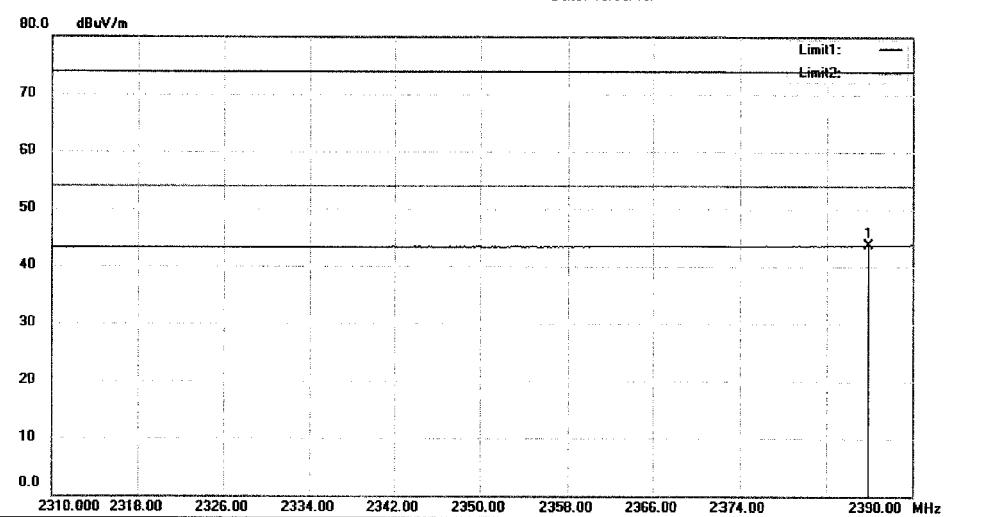


Radiated Emission Measurement

File : TUV 8

Data #78

Date: 15/08/13/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2385.920	13.23	30.48	43.71	54.00	-10.29	Avg			

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

Operator: XLX

File : TUV 8\Data #78

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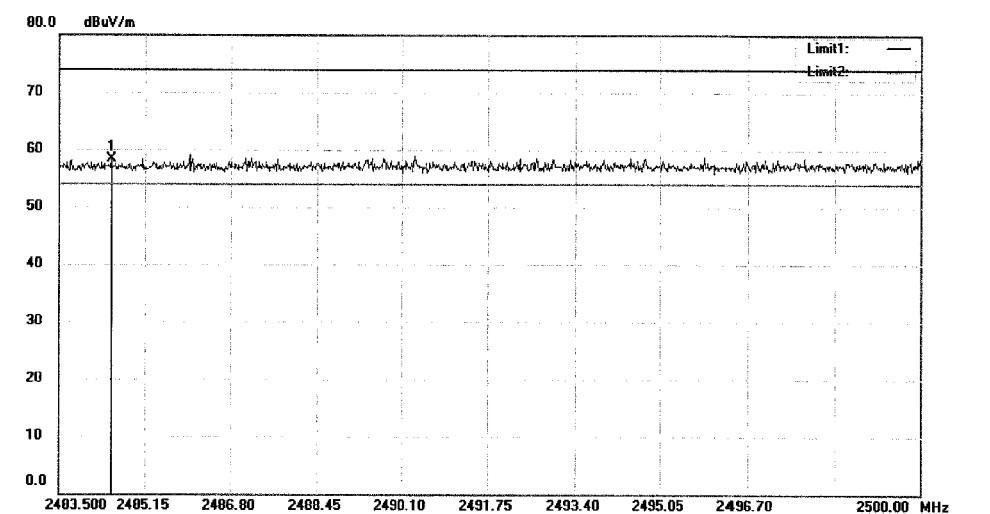
Access to the World

Radiated Emission Measurement

File :TUV 8

Data :#81

Date: 15/08/13/



Site 3m Chamber #3

Polarization: Horizontal

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 20M 2462

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree
								Detector	Comment
1	*	2484.490	27.33	30.96	58.29	74.00	-15.71	peak	

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

Operator: XLX

File :TUV 8\Data :#81

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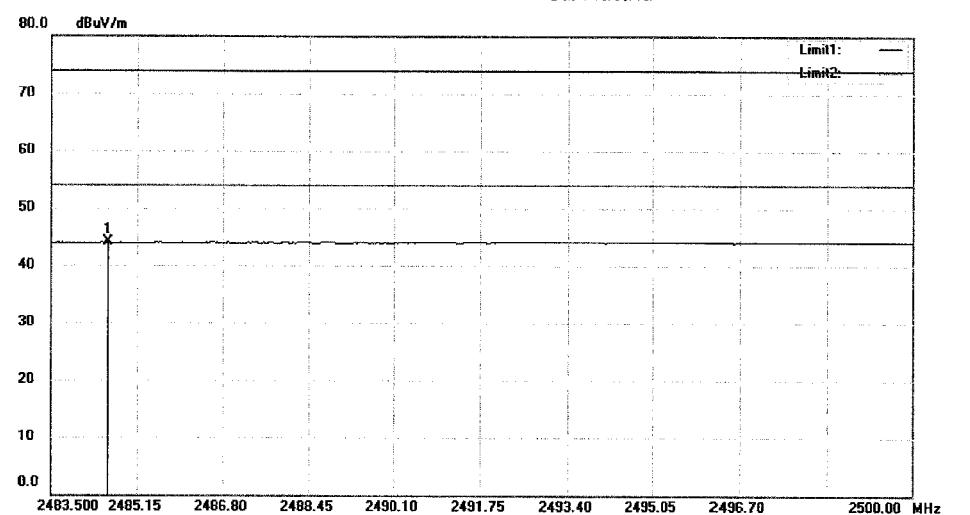


Radiated Emission Measurement

File : TUV 8

Data #82

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2484.589	13.05	30.96	44.01	54.00	-9.99	AVG			

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

Operator: XLX

File : TUV 8\Data #82

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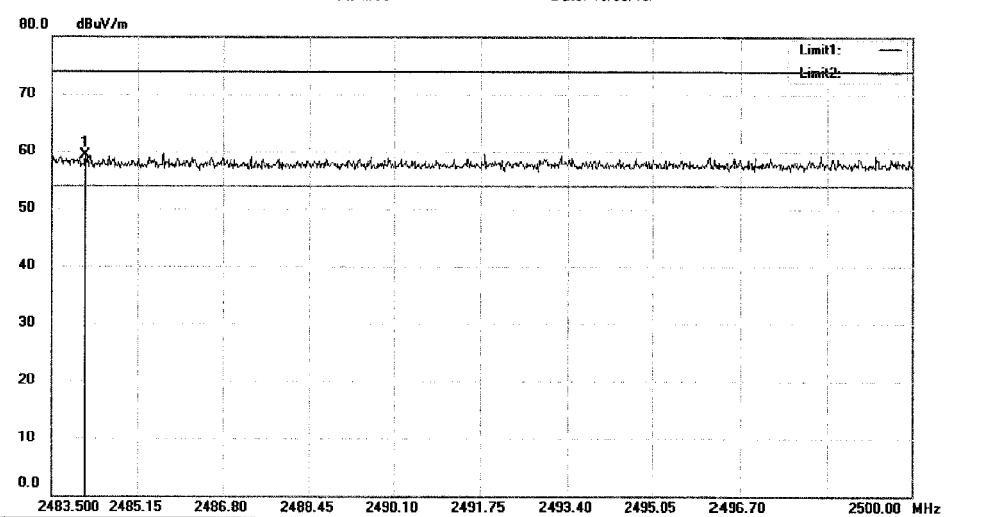


Radiated Emission Measurement

File : TUV 8

Data #83

Date: 15/08/13/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2484.127	28.27	30.96	59.23	74.00	-14.77	peak			

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

Operator: XLX

File : TUV 8|Data #83

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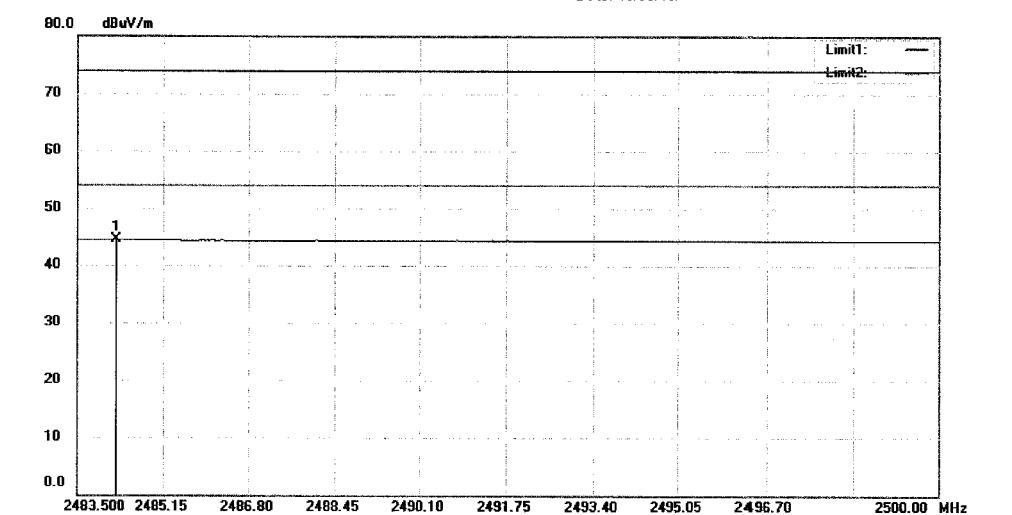
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Radiated Emission Measurement

File : TUV 8

Data : #84

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 20M 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2484.242	13.59	30.96	44.55	54.00	-9.45	AVG			

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

Operator: XLX

File : TUV 8\Data : #84

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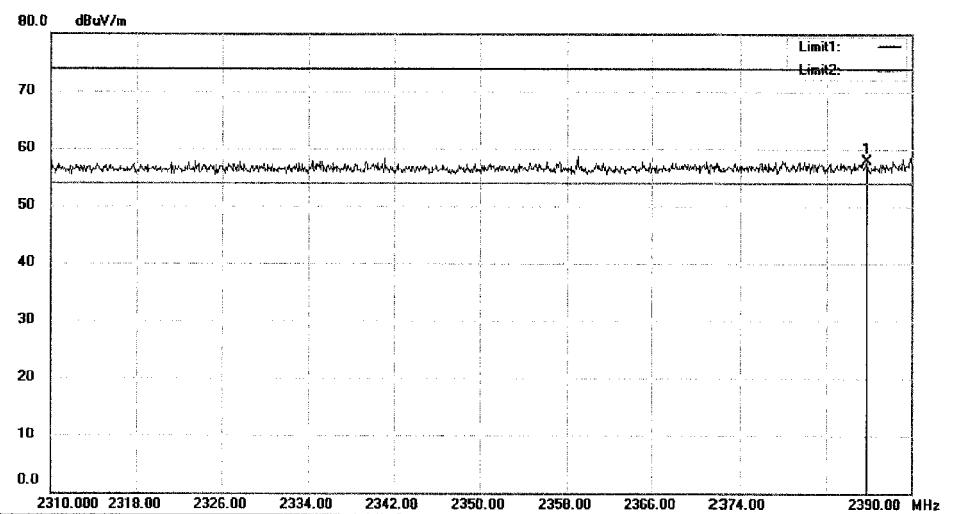


Radiated Emission Measurement

File : TUV 8

Data : #87

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: Horizontal

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2385.760	27.36	30.48	57.84	74.00	-16.16	peak			

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

Operator: XLX

File : TUV 8\Data :#87

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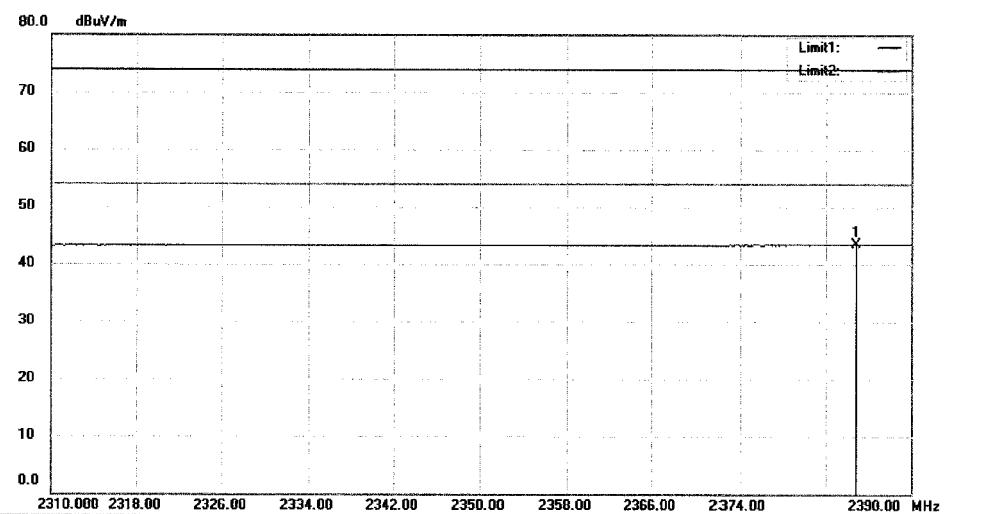


Radiated Emission Measurement

File : TUV 8

Data : #88

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2384.800	13.03	30.48	43.51	54.00	-10.49	AVG			

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

Operator: XLX

File : TUV 8\Data :#88

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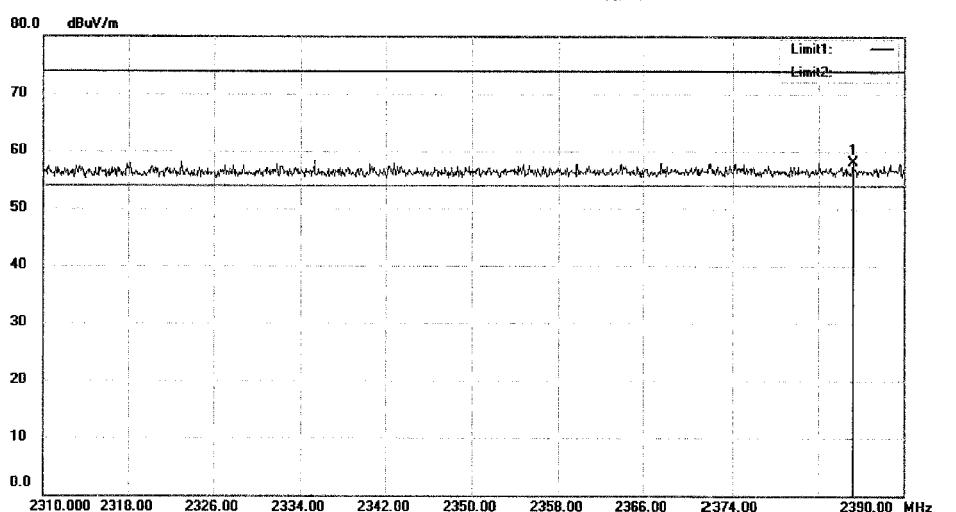


Radiated Emission Measurement

File : TUV 8

Data : #85

Date: 15/08/13



Site: 3m Chamber #3

Polarization: Vertical

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2385.200	27.69	30.48	58.17	74.00	-15.83	peak			

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

Operator: XLX

File : TUV 8\Data :#85

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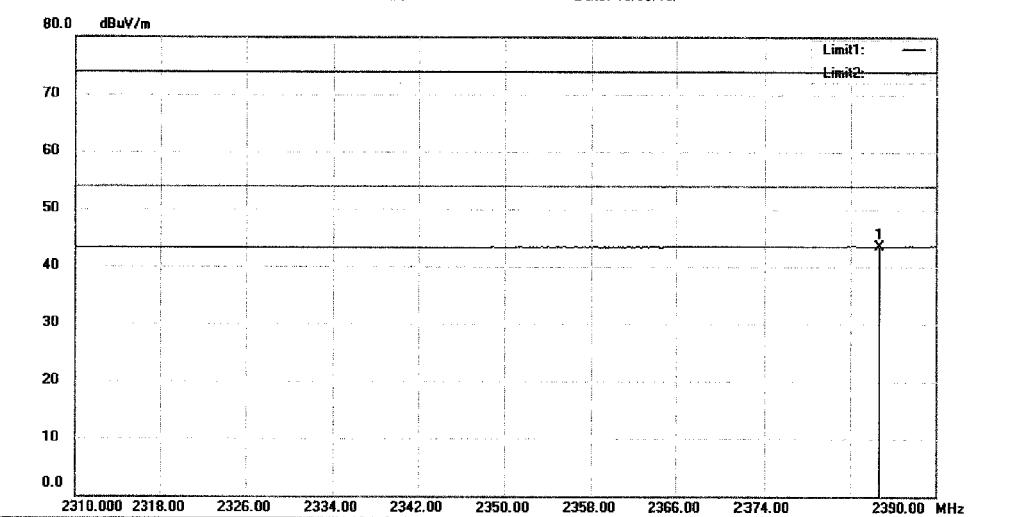


Radiated Emission Measurement

File : TUV 8

Data : #86

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2384.720	13.12	30.48	43.60	54.00	-10.40	AVG			

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

Operator: XLX

File : TUV 8\Data : #86

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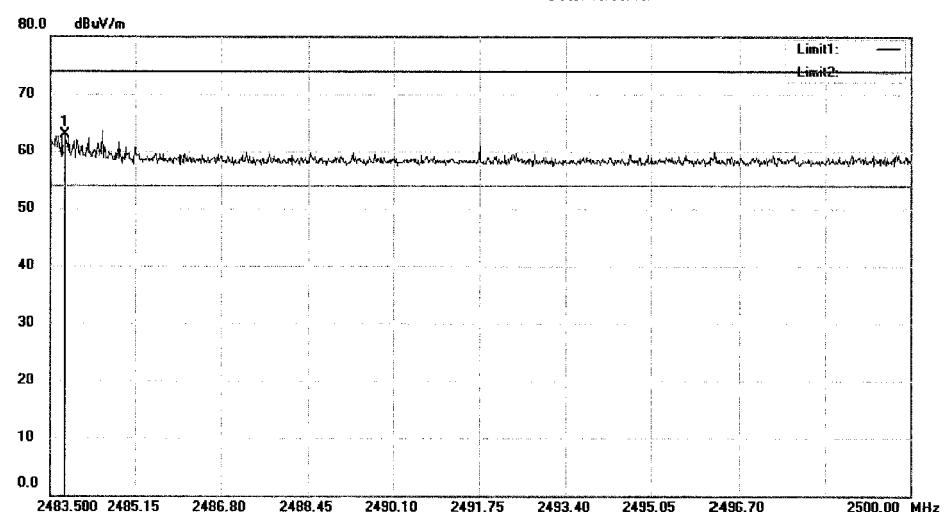


Radiated Emission Measurement

File : TUV 8

Data : #89

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree								
								MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2483.780	32.02	30.95	62.97	74.00	-11.03	peak									

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

Operator: XLX

File : TUV 8\Data : #89

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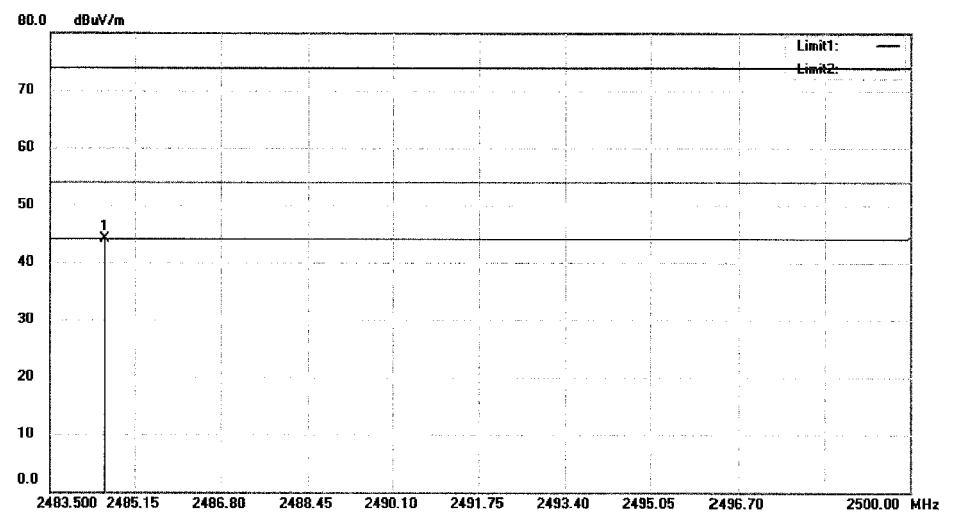


Radiated Emission Measurement

File : TUV 8

Data : #90

Date: 15/08/13



Site: 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2452

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2484.573	13.17	30.96	44.13	54.00	-9.87	AVG			

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

Operator: XLX

File : TUV 8|Data : #90

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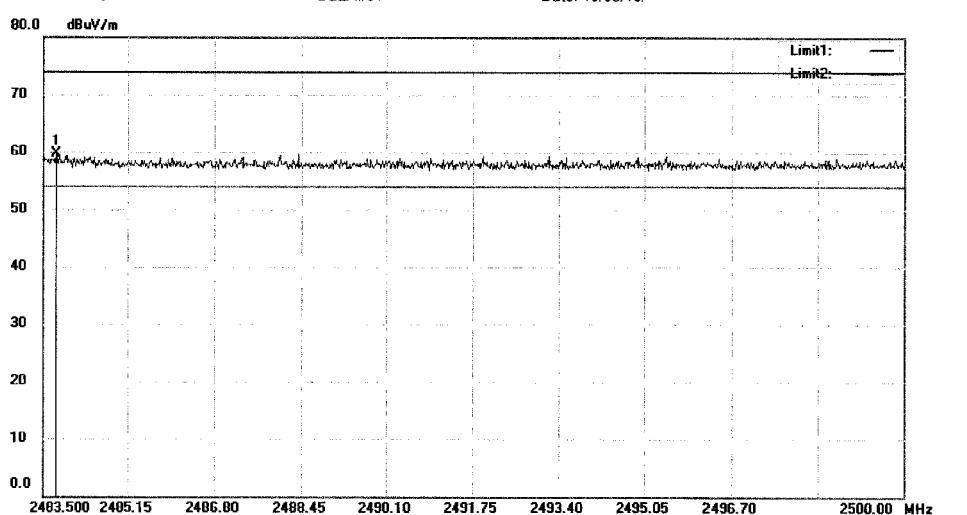


Radiated Emission Measurement

File : TUV 8

Data #91

Date: 15/08/13/



Site 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:11n 40M 2452

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Over dB	Antenna Height cm		Table Degree
							Detector	Comment	
1	*	2483.747	28.82	30.95	59.77	74.00	-14.23	peak	

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

Operator: XLX

File : TUV 8\Data .#91

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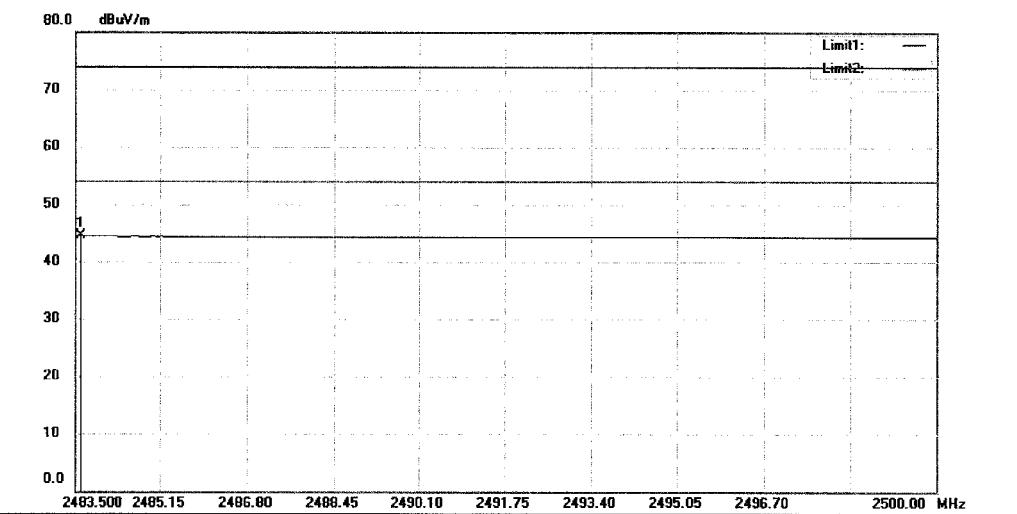
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Radiated Emission Measurement

File : TUV 8

Data : #92

Date: 15/08/13/



Site: 3m Chamber #3

Polarization: *Vertical*

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 11n 40M 2452

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm		Table Degree degree
								Detector	Comment	
1	*	2483.599	13.57	30.95	44.52	54.00	-9.48	AVG		

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

Operator: XLX

File : TUV 8|Data : #92

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Prüfbericht - Nr.: 17051839 002
*Test Report No.*Seite 149 von 155
Page 149 of 155**5.1.7 Conducted emissions****RESULT:****Pass**

Date of testing	:	2015-08-24
Test standard	:	FCC Part 15.207
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	26°C
Relative humidity	:	55%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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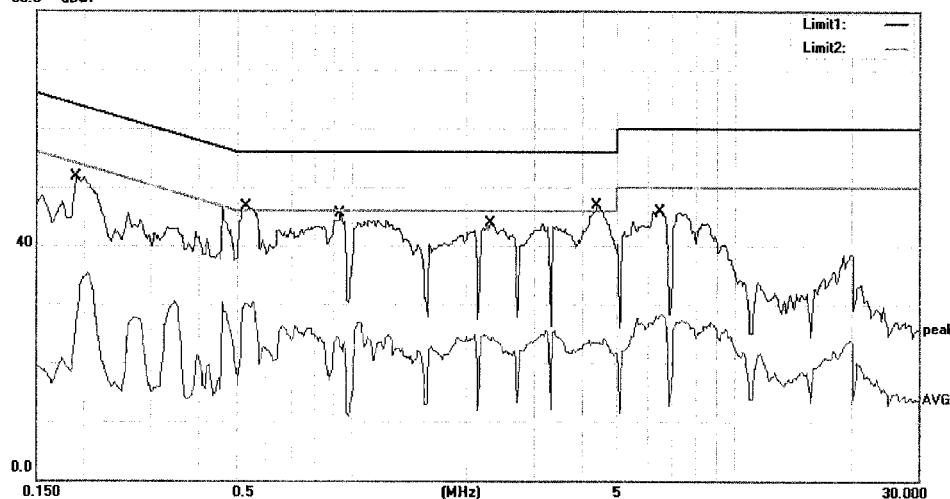
Conducted Emission Measurement

File : TUV

Data #: 775

Date: 2015/08/24

80.0 dBuV



Site Conduction #2

Phase: L1

Temperature: 26

Limit: (CE)FCC PART 15 class C_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: MID

M/N: MID 1016-MA

Mode: WIFI 2.4G

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1900	51.65	0.00	51.65	64.04	-12.39	QP	
2		0.1900	35.22	0.00	35.22	54.04	-18.82	AVG	
3		0.5300	46.76	0.00	46.76	56.00	-9.24	QP	
4		0.5300	30.47	0.00	30.47	46.00	-15.53	AVG	
5		0.9350	45.50	0.00	45.50	56.00	-10.50	QP	
6		0.9350	24.98	0.00	24.98	46.00	-21.02	AVG	
7		2.3050	43.83	0.00	43.83	56.00	-12.17	QP	
8		2.3050	24.89	0.00	24.89	46.00	-21.11	AVG	
9	*	4.4050	46.86	0.00	46.86	56.00	-9.14	QP	
10		4.4050	24.08	0.00	24.08	46.00	-21.92	AVG	
11		6.4600	45.94	0.00	45.94	60.00	-14.06	QP	
12		6.4600	28.25	0.00	28.25	50.00	-21.75	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator:

File : TUV\Data .#775

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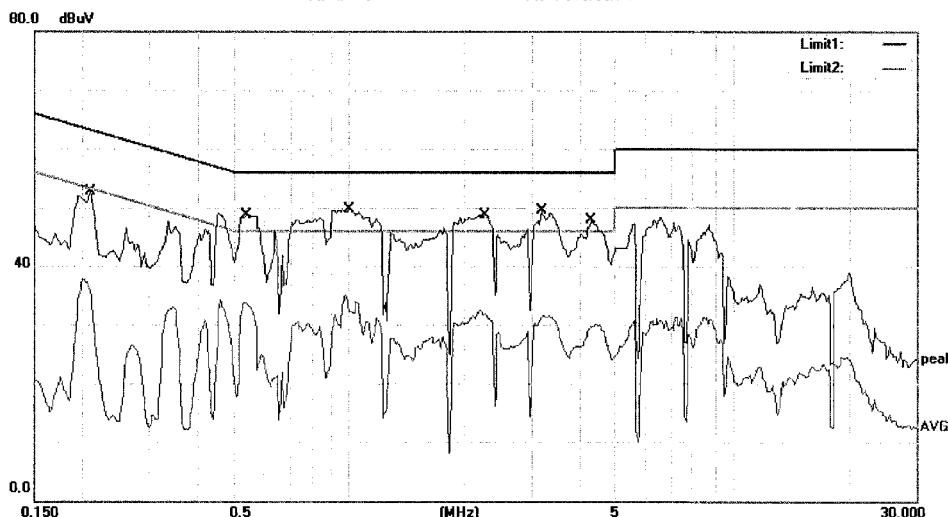
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Conducted Emission Measurement

File :TUV

Data #:776

Date: 2015/08/24



Site Conduction #2

Phase: N

Temperature: 26

Limit: (CE)FCC PART 15 class C_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: MID

M/N: MID 1016-MA

Mode: WIFI 2.4G

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dB	Over	
								Detector
1		0.2100	52.64	0.00	52.64	63.21	-10.57	QP
2		0.2100	37.81	0.00	37.81	53.21	-15.40	AVG
3		0.5350	48.76	0.00	48.76	56.00	-7.24	QP
4		0.5350	33.78	0.00	33.78	46.00	-12.22	AVG
5 *		1.0000	49.75	0.00	49.75	56.00	-6.25	QP
6		1.0000	35.18	0.00	35.18	46.00	-10.82	AVG
7		2.2500	48.76	0.00	48.76	56.00	-7.24	QP
8		2.2500	32.27	0.00	32.27	46.00	-13.73	AVG
9		3.1750	49.45	0.00	49.45	56.00	-6.55	QP
10		3.1750	31.52	0.00	31.52	46.00	-14.48	AVG
11		4.2950	47.87	0.00	47.87	56.00	-8.13	QP
12		4.2950	30.12	0.00	30.12	46.00	-15.88	AVG

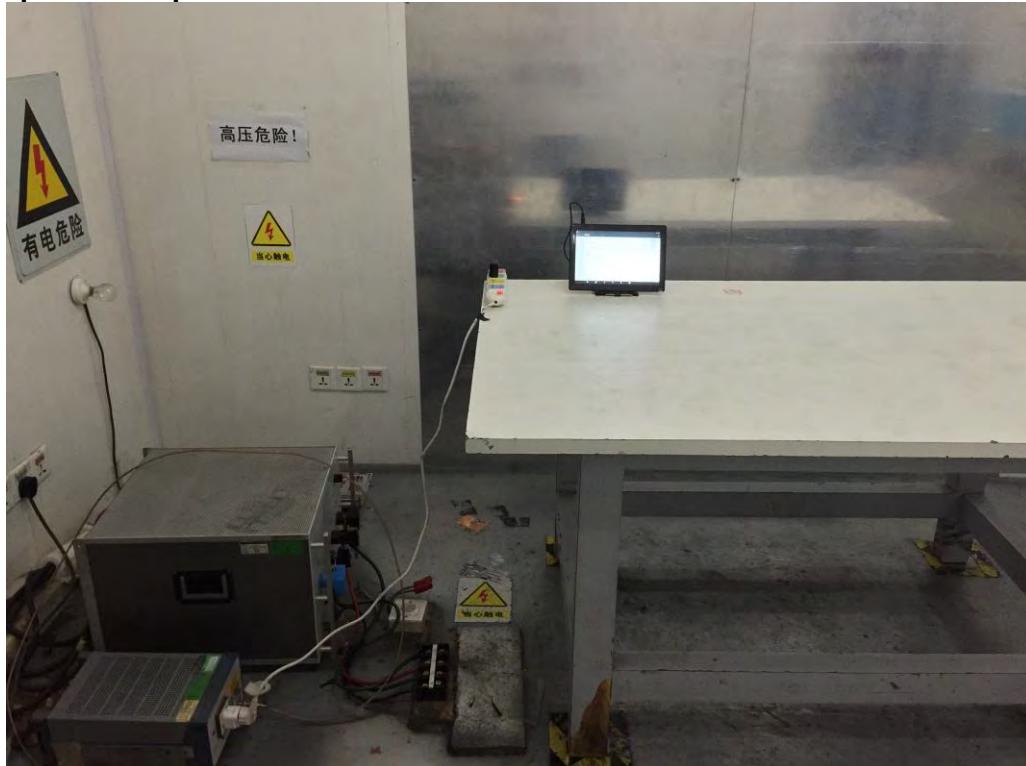
*:Maximum data x:Over limit l:over margin Comment: Factor build in receiver. Operator:

File :TUV\Data :#776

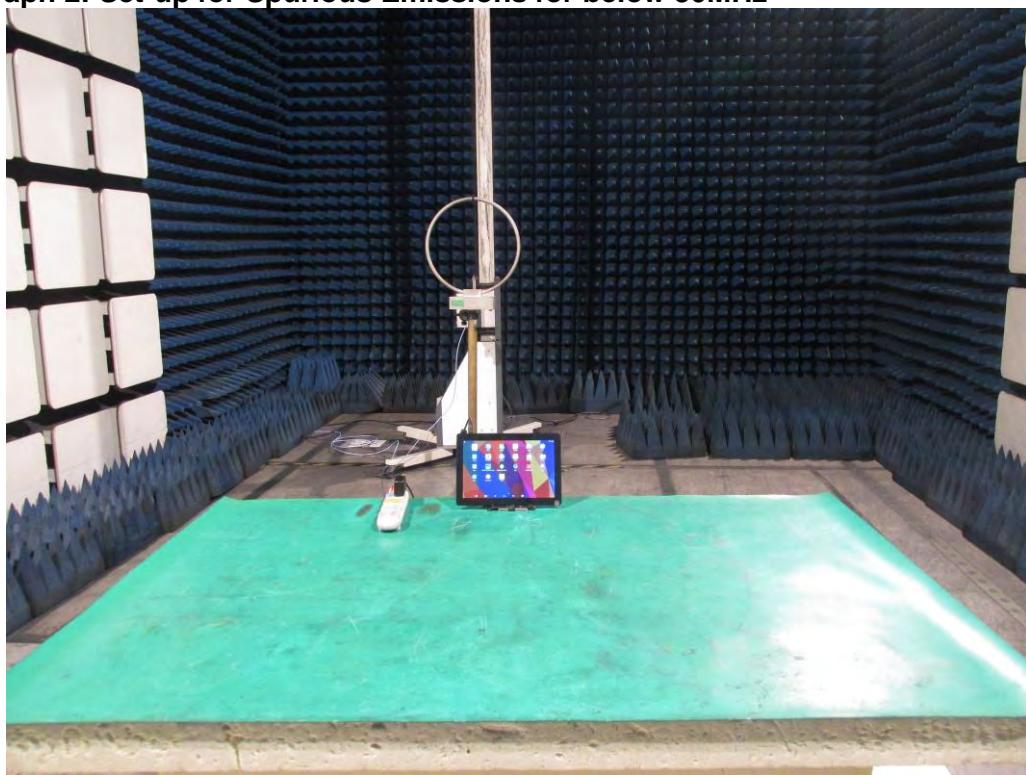
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6. Photographs of the Test Set-Up

Photograph 1: Set-up for Conducted Emissions



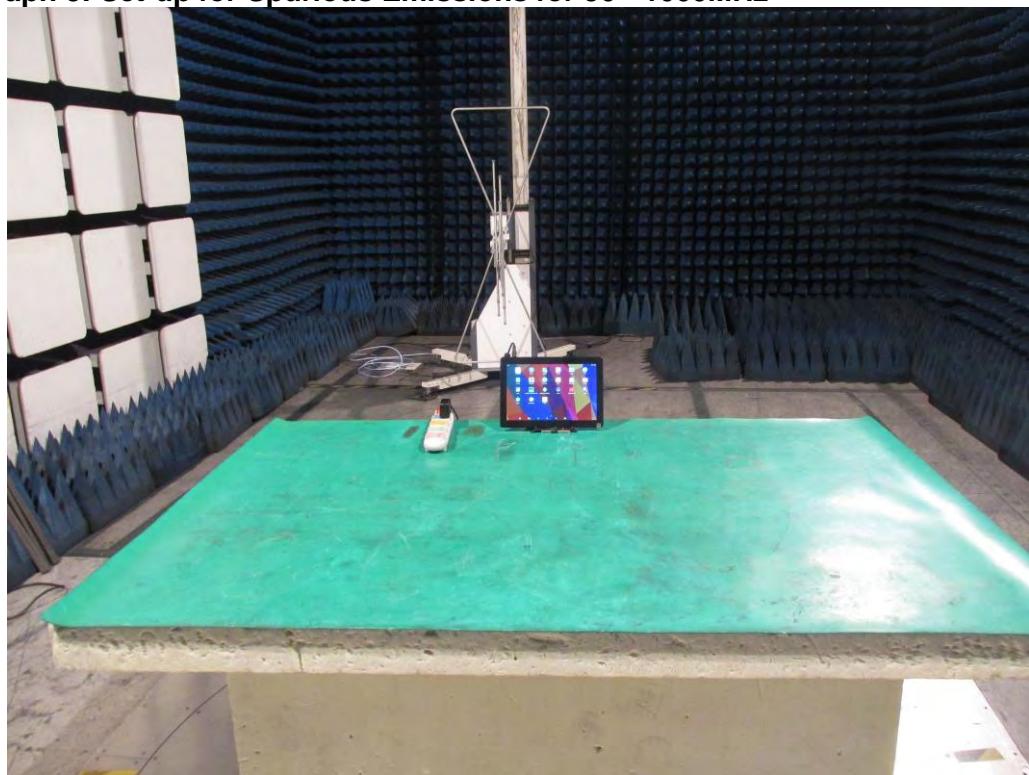
Photograph 2: Set-up for Spurious Emissions for below 30MHz



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Photograph 3: Set-up for Spurious Emissions for 30 - 1000MHz



Photograph 4: Set-up for Spurious Emissions for 1 - 18GHz



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Photograph 5: Set-up for Spurious Emissions for 18 - 26.5GHz



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