

Prüfbericht-Nr.: Auftrags-Nr.: 17051492 001 164042267 Seite 1 von 149 Test Report No.: Order No.: Page 1 of 149 Kunden-Referenz-Nr.: Auftragsdatum: N/A 30.07.2015 Order date: Client Reference No.: Auftraggeber: Lightcomm Technology Co., Ltd. RM1708-10, 17/F, PROSPERITY CENTRE, 25 CHONG YIP STREET, KWUN TONG, HONG KONG Client. Prüfgegenstand: 7" Wi-Fi Android™ Tablet Test item: Bezeichnung / Typ-Nr.: DL718M, DL718M-B, DL-718M-G, DL718M-P, DL718M-R, MID721-L Identification / Type No.: Auftrags-Inhalt: **FCC Certification** Order content: CFR47 FCC Part 15: Subpart C Section 15.247 Prüfarundlage: Test specification: CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 Wareneingangsdatum: 06.08.2015 Date of receipt. A000243804-001, A000243804-002, A000243804-003 Prüfmuster-Nr.: Test sample No.: 08.08.2015 - 17.08.2015 Prüfzeitraum: Testing period: Ort der Prüfung: Shenzhen EMTEK Co., Ltd. Place of testing: Prüflaboratorium: TÜV Rheinland (Shenzhen) Co., Ltd. Testing laboratory: **Pass** Prüfergebnis\*: Test result\*: kontrolliert von I reviewed bv. geprüft von I tested by: Sam Lin/Technical Certicier Owen Tian/Senior Project Manager 28.08.2015 28.08.2015 Unterschrift Name / Stellung Name / Stellung Unterschrift Datum Datum Signature Date Name / Position Signature Name / Position Date Sonstiges I Other. Prüfmuster vollständig und unbeschädigt Zustand des Prüfgegenstandes bei Anlieferung: Test item complete and undamaged Condition of the test item at delivery. 4 = ausreichend 5 = mangelhaft 2 = gut 3 = befriedigend \* Legende: 1 = sehr gut N/T = nicht getestet F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar P(ass) = entspricht o.g. Prüfgrundlage(n) 3 = satisfactory 4 = sufficient 5 = poor Leaend: N/A = not applicable N/T = not testedP(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) 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. 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.



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# **TEST SUMMARY**

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 PEAK OUTPUT POWER

RESULT: Pass

5.1.3 20DB BANDWIDTH

RESULT: Pass

5.1.4 6DB BANDWIDTH

RESULT: Pass

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100kHz BANDWIDTH

RESULT: Pass

5.1.6 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.7 Spurious Emission

RESULT: Pass

5.1.8 FREQUENCY SEPARATION

RESULT: Pass

5.1.9 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.10 TIME OF OCCUPANCY

RESULT: Pass

5.1.11 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.



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## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment** 

Kind of Equipment	Manufacturer	Туре	S/N	Calibrated until
Transmitter spurious emis	ssions			
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 Generater	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

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## 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 basics using in house standards or comparisons.

## 2.5 Measurement Uncertainty

**Table 2: Measurement Uncertainty** 

Parameter	Uncertainty
Radio Frequency	±1x10^-5
Maximum Peak Output Power Test	±1.0dB
Conducted Emissions Test	±2.0dB
Radiated Emission Test	±2.0dB
Power Density	±2.0dB
Occupied Bandwidth Test	±1.0dB
Band Edge Test	±3dB
All emission, radiated	±3dB
Antenna Port Emission	±3dB
Temperature	±0.5°C
Humidity	±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.



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## 3. General Product Information

## 3.1 Product Function and Intended Use

The EUTs are 7" tablet with Wi-Fi, Bluetooth & GPS function. These models are identical except the model name and color. For details refer to the User Manual and Circuit Diagram.

# 3.2 Ratings and System Details

Table 3: Technical Specification of Bluetooth (BDR & EDR mode)

Technical Specification	Value
Kind of Equipment	7" Wi-Fi Android™ Tablet
Type Designation	DL718M, DL718M-B, DL-718M-G, DL718M-P, DL718M-R, MID721-L
FCC ID	XMF-MID721
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-30~+75°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)
Modulation	FHSS, GFSK, 8DPSK, π/4DQPSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	1.28dBi

Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)		Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	21	2423.00	42	2444.00	63	2465.00
1	2403.00	22	2424.00	43	2445.00	64	2466.00
2	2404.00	23	2425.00	44	2446.00	65	2467.00
3	2405.00	24	2426.00	45	2447.00	66	2468.00
4	2406.00	25	2427.00	46	2448.00	67	2469.00
5	2407.00	26	2428.00	47	2449.00	68	2470.00
6	2408.00	27	2429.00	48	2450.00	69	2471.00
7	2409.00	28	2430.00	49	2451.00	70	2472.00
8	2410.00	29	2431.00	50	2452.00	71	2473.00
9	2411.00	30	2432.00	51	2453.00	72	2474.00
10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00



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12	2414.00	33	2435.00	54	2456.00	75	2477.00
					+		
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00		
17	2419.00	38	2440.00	59	2461.00		
18	2420.00	39	2441.00	60	2462.00		
19	2421.00	40	2442.00	61	2463.00		
20	2422.00	41	2443.00	62	2464.00		

## Table 5: Technical Specification of Bluetooth (LE mode)

Technical Specification	Value
Kind of Equipment	7" Wi-Fi Android™ Tablet
Type Designation	DL718M, DL718M-B, DL-718M-G, DL718M-P, DL718M-R, MID721-L
FCC ID	XMF-MID721
Operating Frequency band	2402 – 2480MHz
Channel separation	2MHz
Extreme Temperature Range	-30~+75°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)
Modulation	GFSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	1.28dBi

## Table 6: RF channel and frequency of Bluetooth (LE mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	11	2424.00	22	2446.00	33	2468.00
1	2404.00	12	2426.00	23	2448.00	34	2470.00
2	2406.00	13	2428.00	24	2450.00	35	2472.00
3	2408.00	14	2430.00	25	2452.00	36	2474.00
4	2410.00	15	2432.00	26	2454.00	37	2476.00
5	2412.00	16	2434.00	27	2456.00	38	2478.00
6	2414.00	17	2436.00	28	2458.00	39	2480.00
7	2416.00	18	2438.00	29	2460.00		
8	2418.00	19	2440.00	30	2462.00		
9	2420.00	20	2442.00	31	2464.00		
10	2422.00	21	2444.00	32	2466.00		

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## 3.3 Independent Operation Modes

The basic operation modes are:

A. On

- 1. Bluetooth mode (BDR & EDR mode)
  - a. Tansmitting
    - i. Low Channel
    - ii. Middle Channel
    - iii. High Channel
  - b. Receiving
- 2. Bluetooth mode (LE mode)
  - a. Tansmitting
    - i. Low Channel
    - ii. Middle Channel
    - iii. High Channel
  - b. 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

- PCB Layout

- Photo Document

- Circuit Diagram

- Instruction Manual

- Rating Label



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# 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 DL718M only.

## 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

I	Description	Manufacturer	Part No.	Rating
	AC/DC Adapter	TEKA	TEKA012-0501500UK	Input: AC 100-240V, 50/60Hz, 0.35A Output: DC 5V, 1.5A

#### 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 EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

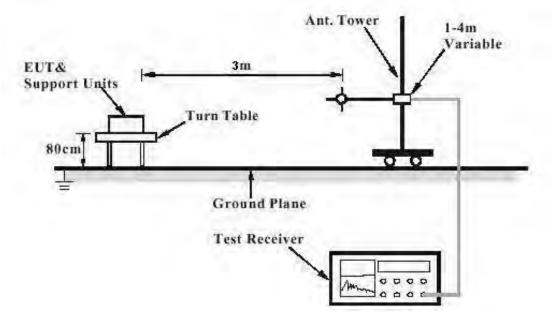


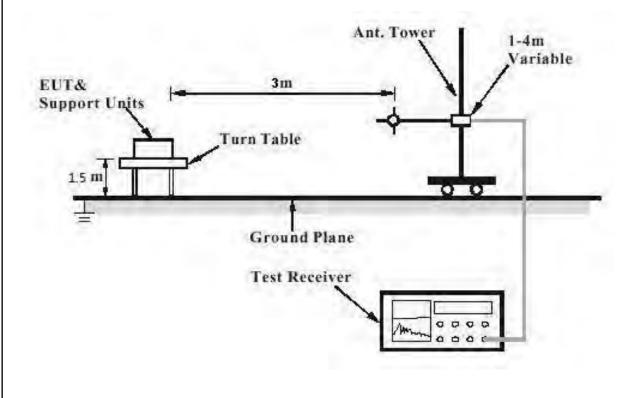
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# 4.5 Test Setup Diagram

**Diagram of Measurement Configuration for Radiation Test** 







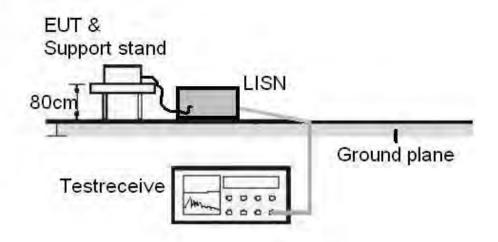
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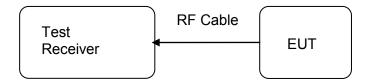
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#### **Diagram of Measurement Equipment Configuration for Conduction Measurement**



#### **Diagram of Measurement Equipment Configuration for Transmitter Measurement**





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5. Test Results

# 5.1 Transmitter Requirement & Test Suites

## 5.1.1 Antenna Requirement

RESULT: Pass

Test standard : Part 15.203

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 1.28dBi, 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 2015-08-08

Test standard FCC Part 15.247(b)(1)

FCC Part 15.247(b)(3)

Basic standard : ANSI C63.10: 2013

Clause 9.1 of KDB 558074 v03r01

125mW, 1W Limit Kind of test site Shielded room

**Test setup** 

Low/ Middle/ High

A.1.a, A.2.a

Ambient temperature : Relative humidity
Atmospheric proc **25**℃ 50% 101kPa

#### Table 7: Test result of Peak Output Power of Buletooth (BDR mode)

Channel	Channel Frequency	Peak Output Power	Limit
Chamilei	(MHz)	(dBm)	(dBm)
Low Channel	2402	5.986	21
Middle Channel	2441	6.343	21
High Channel	2480	6.415	21

#### Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)

Channel	Channel Frequency	Peak Output Power	Limit
Chamilei	(MHz)	(dBm)	(dBm)
Low Channel	2402	5.337	21
Middle Channel	2441	5.742	21
High Channel	2480	5.851	21

#### Table 9: Test result of Peak Output Power of Bluetooth (LE mode)

Channel	Channel Frequency	Peak Output Power	Limit
	(MHz)	(dBm)	(dBm)
Low Channel	2402	-1.888	30
Middle Channel	2440	-1.444	30
High Channel	2480	-1.339	30

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#### 5.1.3 20dB Bandwidth

**RESULT: Pass** 

Date of testing 2015-08-08

FCC Part 15.247(a)(1) Test standard Basic standard ANSI C63.10: 2013

Clause 8 of KDB 558074 v03r01

Kind of test site Shielded room

**Test setup** 

Low/ Middle/ High Test Channel

Operation Mode : Ambient temperature : A.1.a **25**℃ Relative humidity 50% Atmospheric pressure : 101kPa

#### Table 10: Test result of 20dB of BDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)
Low Channel	2402	0.898
Mid Channel	2441	0.900
High Channel	2480	0.899

#### Table 11: Test result of 20dB of EDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)
Low Channel	2402	1.157
Mid Channel	2441	1.157
High Channel	2480	1.157



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#### 5.1.4 6dB Bandwidth

**RESULT: Pass** 

Date of testing 2015-08-08

Test standard
Basic standard FCC Part 15.247(a)(2) ANSI C63.10: 2013

Clause 8 of KDB 558074 v03r01

Kind of test site Shielded room

**Test setup** 

Low/ Middle/ High

Operation Mode :
Ambient temperature :
Relative humidity :
Atmospheric act A.2.a **25**℃ 50% Atmospheric pressure : 101kPa

#### Table 12: Test result of 6dB Bandwidth of Bluetooth, LE mode

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)
Low Channel	2402	0.694
Mid Channel	2440	0.698
High Channel	2480	0.700



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### 5.1.5 Conducted Spurious Emissions measured in 100kHz Bandwidth

**RESULT: Pass** 

2015-08-10 Date of testing

Test standard FCC part 15.247(d) Basic standard ANSI C63.10: 2013

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

A.1.a, A.2.a

Operation mode : Ambient temperature : **25**℃ Relative humidity :
Atmospheric pressure : 50% 101kPa

For details refer to following test plot.



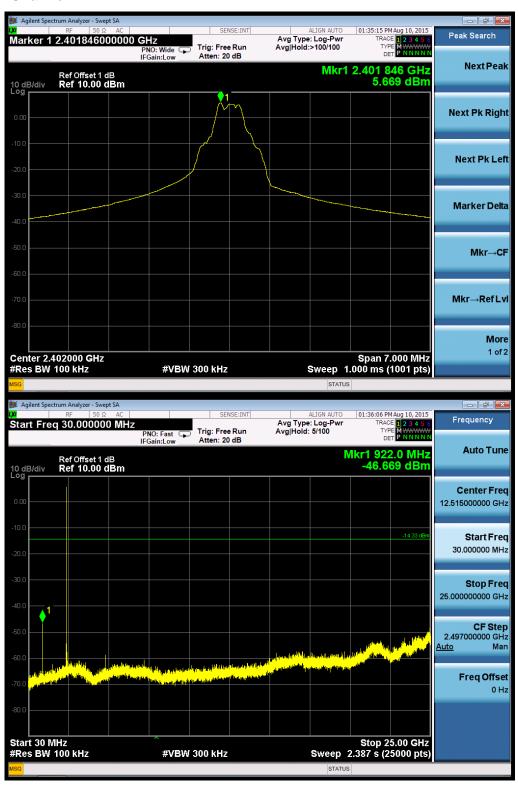
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# Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

#### **Low Channel**





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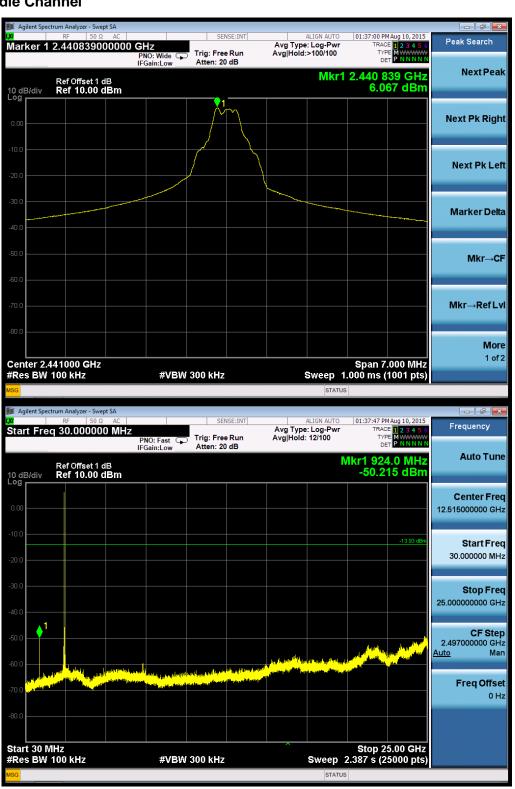
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#### **Middle Channel**

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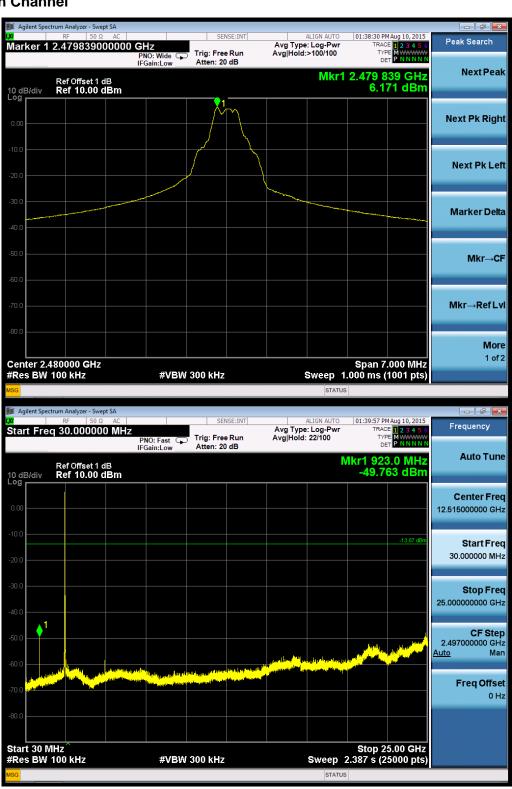
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#### **High Channel**





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#### **Band Edge**





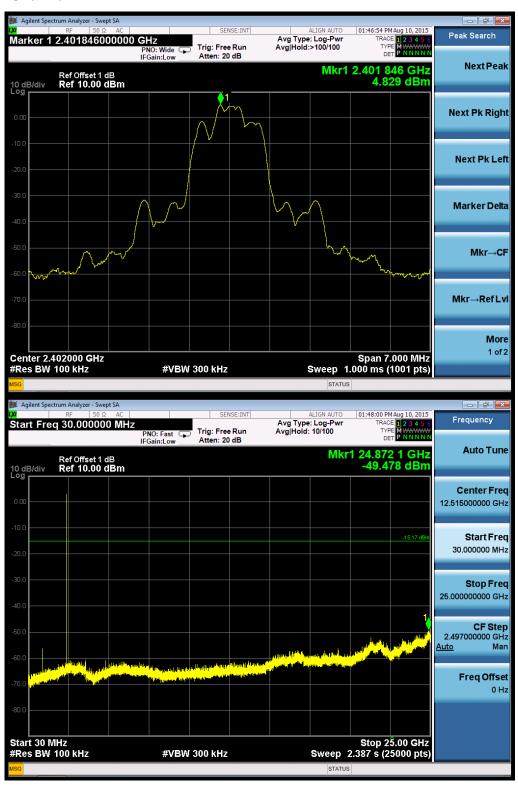
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# Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

#### **Low Channel**





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#### **Middle Channel**





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#### **High Channel**





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#### **Band Edge**





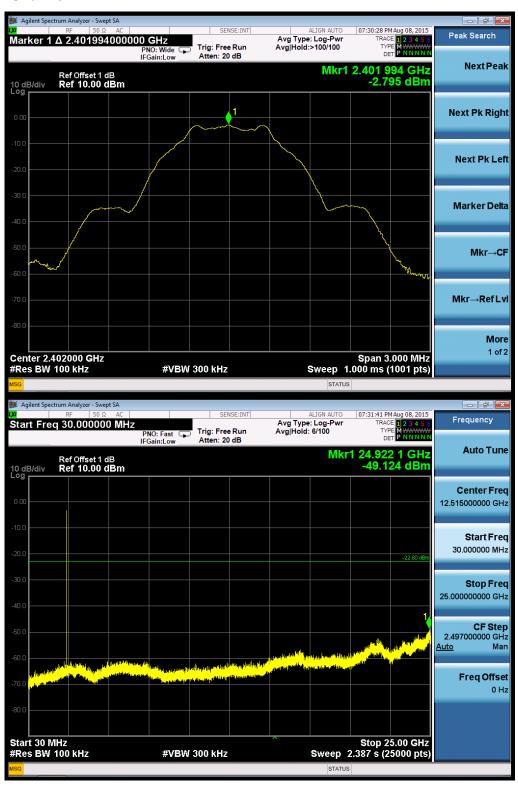
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# Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of LE mode

#### **Low Channel**





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#### **Middle Channel**

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#### **High Channel**





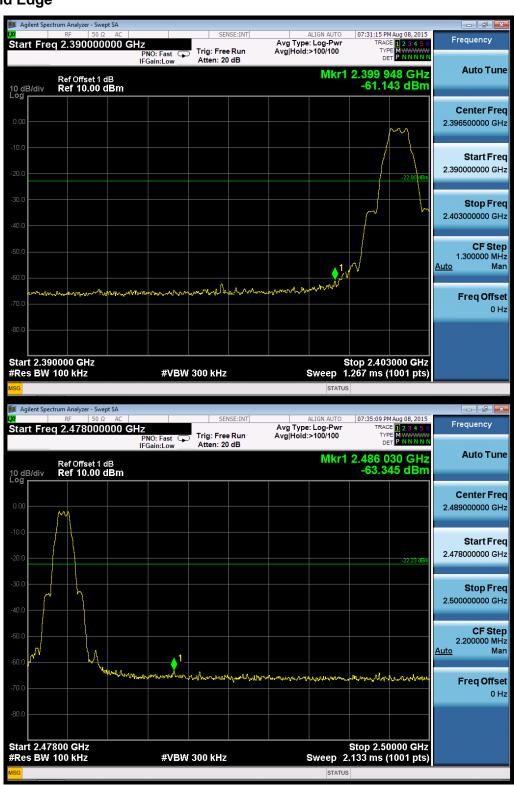
**Products** 

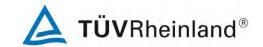
Prüfbericht - Nr.: 17051492 001

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Test Report No.

#### **Band Edge**





**Products** 

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Test Report No.

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## 5.1.6 Power spectral density

**RESULT: Pass** 

2015-08-08 Date of testing

Test standard
Basic standard FCC part 15.247(e) ANSI C63.10: 2013

Clause 10 of KDB 558074 v03r01

Limit 8dBm/3kHz Kind of test site Shield room

**Test setup** 

Low/ Middle/ High

Test Channel :
Operation mode :
Ambient temperature : A.2.a **25**℃ Relative humidity 50% Atmospheric pressure : 101kPa

#### Table 13: Test result of power spectral density

Mode	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
Bluetooth LE mode	2402	-17.283	8	Pass
	2440	-16.756	8	Pass
	2480	-16.685	8	Pass



**Products** 

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### **5.1.7 Spurious Emission**

**RESULT: Pass** 

2015-08-09 Date of testing

שמופ סז testing Test standard Basic standard FCC part 15.247(d) ANSI C63.10: 2013

Clause 11 of KDB 558074 v03r01

Limits FCC part 15.209(a)

3m Semi-Anechoic Chamber & Anechoic Chamber Kind of test site

**Test setup** 

Low/ Middle/ High

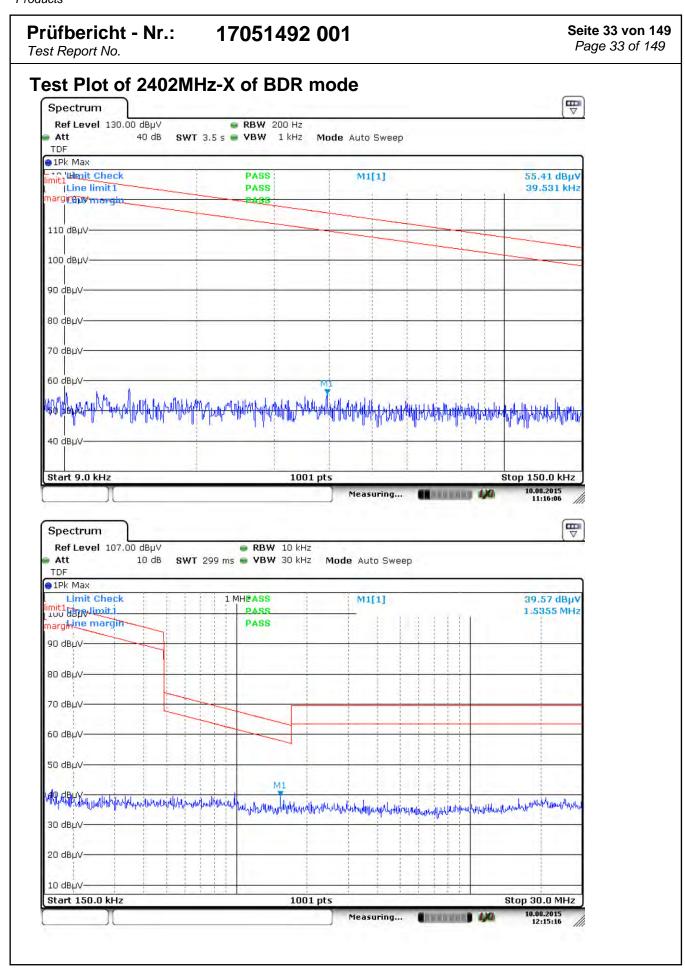
A.1.a, A.2.a

Test Channel :
Operation mode :
Ambient temperature :
Relative humidity : **24**°C 53% Atmospheric pressure : 101kPa

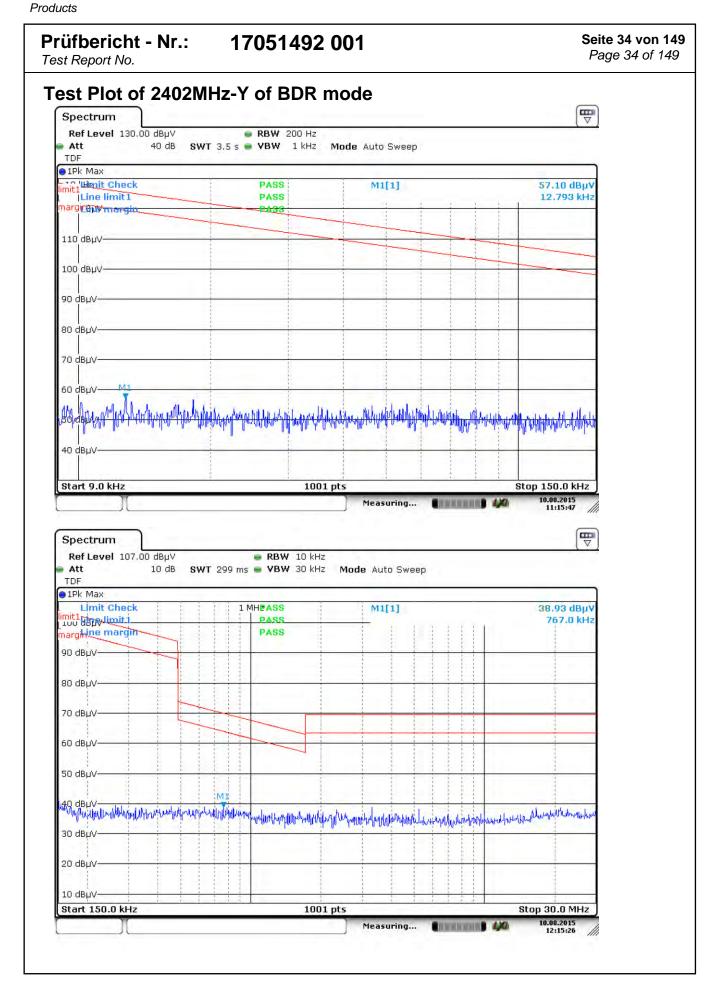
For details refer to following test plot.





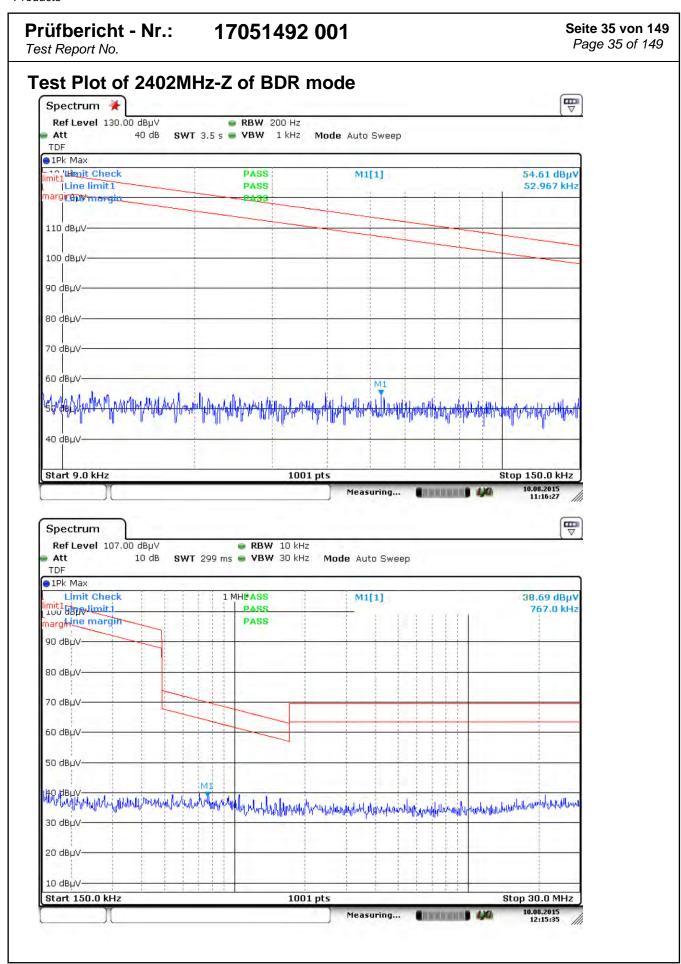






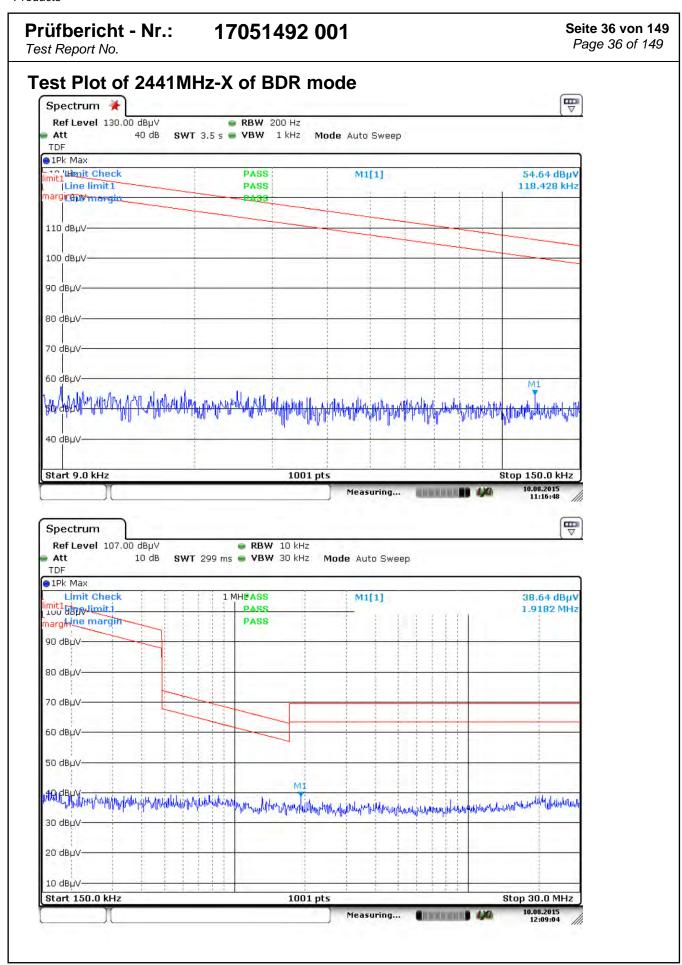


Products

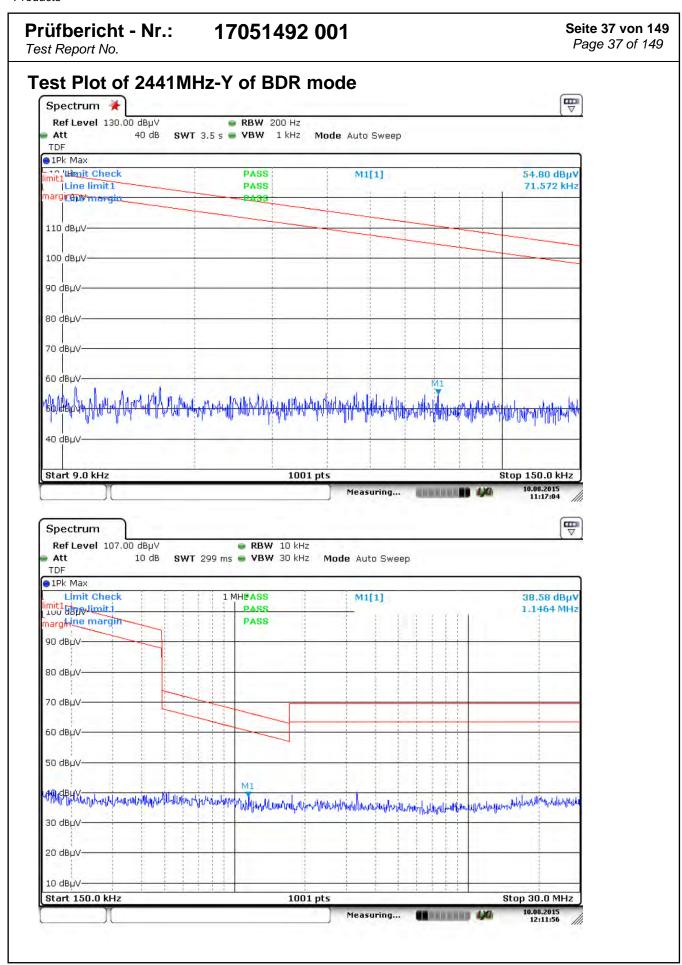




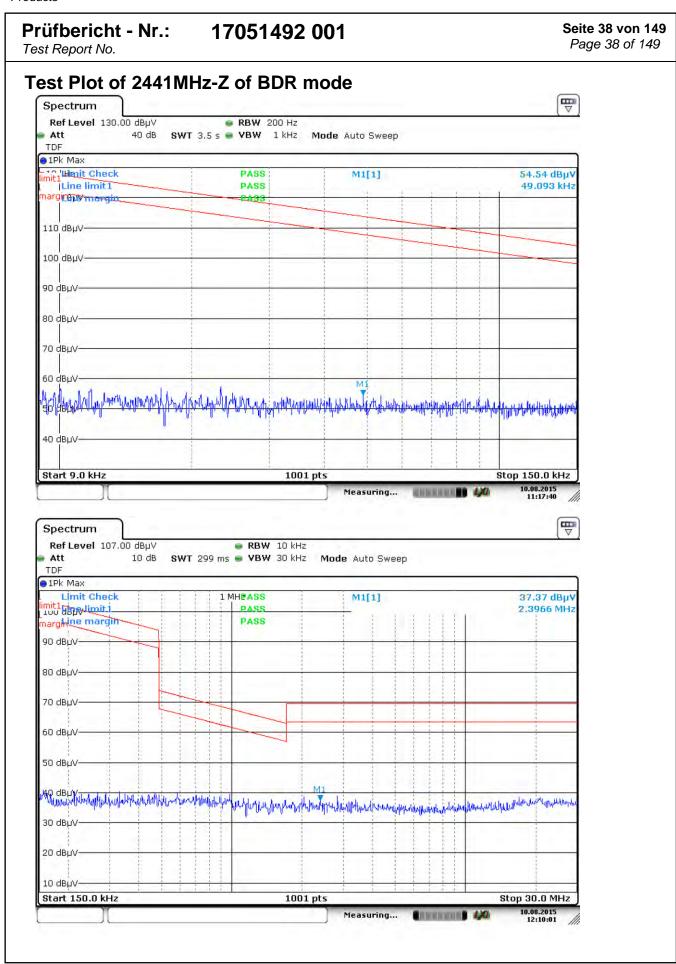
**Products** 



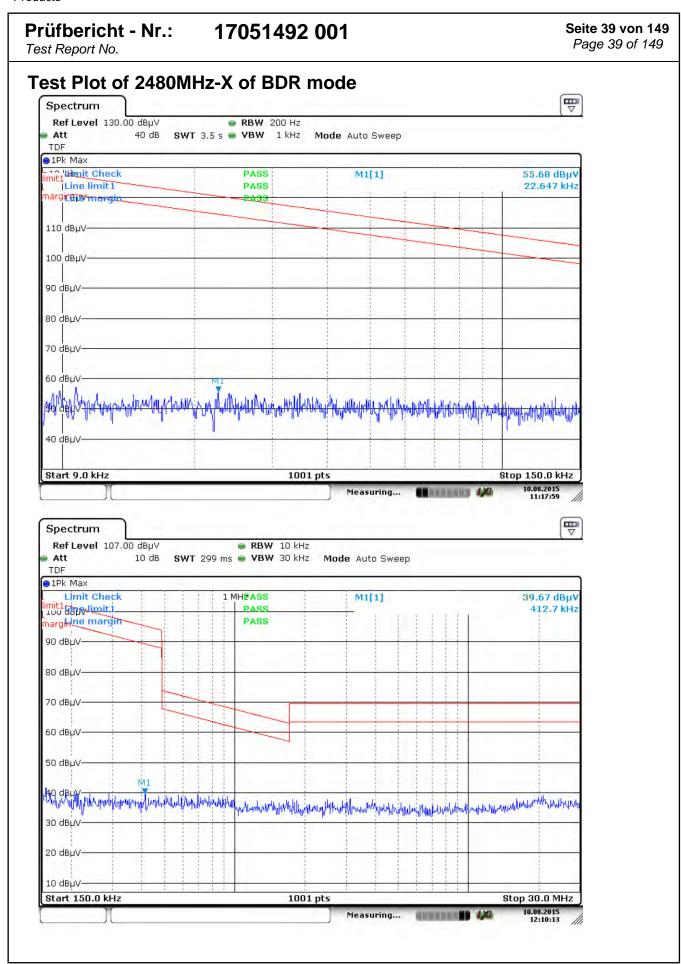




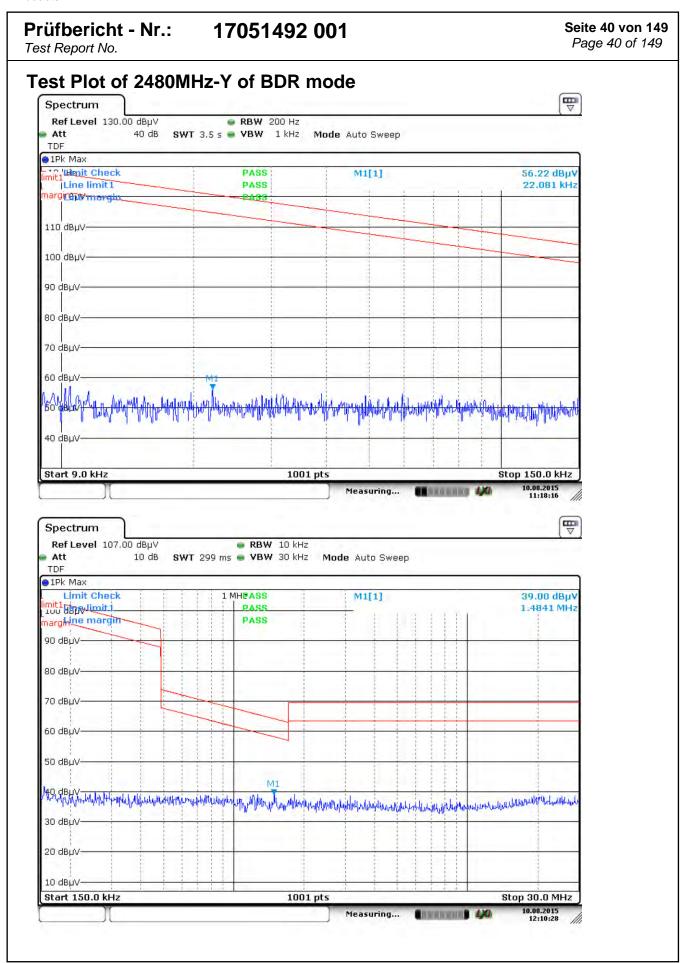




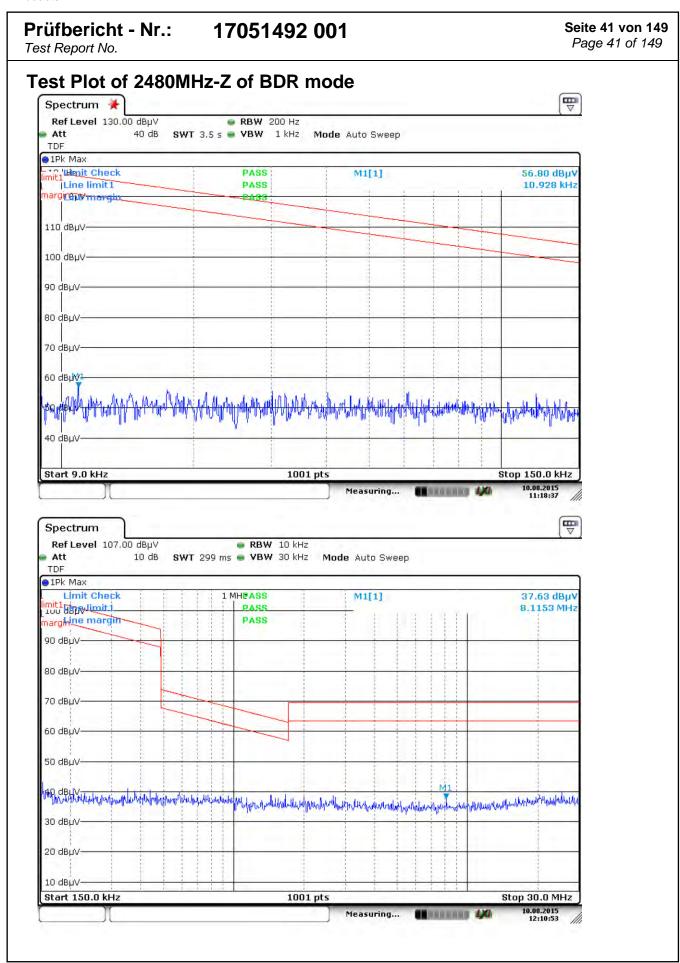














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Test Report No.

Shenzhen EMTEK Go., Ltd.

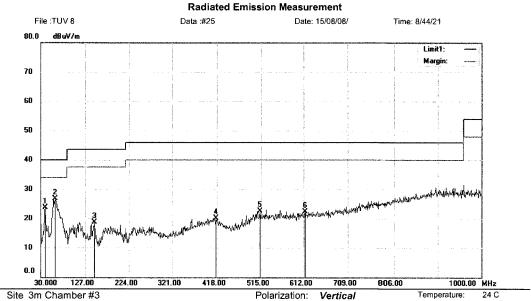
Power: AC 120V/60Hz

81dg.69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2402

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		39.7000	36.67	-12.95	23.72	40.00	-16.28	QP			
2	*	62.0100	42.89	-16.12	26.77	40.00	-13.23	QP			
3		147.3700	36.79	-18.02	18.77	43.50	-24.73	QP			
4		416.0600	29.47	-9.32	20.15	46.00	-25.85	QP			
5		513.0600	30.11	-7.70	22.41	46.00	-23.59	QP			
6		614.9100	29.08	-6.85	22.23	46.00	-23.77	QP			****

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

File: TUV 8\Data: #25

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Operator: XLX



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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

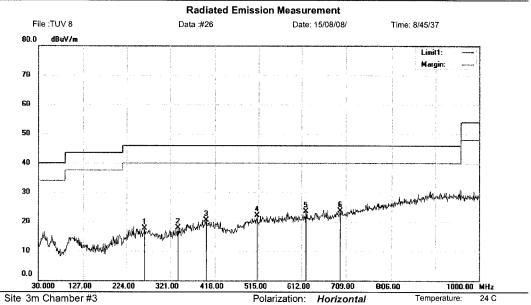
Bldg. 69, Majielong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: XLX

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2402

Note:

MHz	10.17		ment	Limit	Over		Height	Degree	
	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
264.7400	30.43	-12.74	17.69	46.00	-28.31	QP		-	
338.4600	30.50	-12.55	17.95	46.00	-28.05	QP			
399.5700	29.48	-8.89	20.59	46.00	-25.41	QP			
512.0900	29.86	-7.70	22.16	46.00	-23.84	QP			
621.7000	30.19	-6.76	23.43	46.00	-22.57	QP			
696 3900	29.76	-6.02	23.74	46.00	-22.26	QP			
	399.5700 512.0900	399.5700     29.48       512.0900     29.86       621.7000     30.19	399.5700     29.48     -8.89       512.0900     29.86     -7.70       621.7000     30.19     -6.76	399.5700     29.48     -8.89     20.59       512.0900     29.86     -7.70     22.16       621.7000     30.19     -6.76     23.43	399.5700     29.48     -8.89     20.59     46.00       512.0900     29.86     -7.70     22.16     46.00       621.7000     30.19     -6.76     23.43     46.00	399.5700     29.48     -8.89     20.59     46.00     -25.41       512.0900     29.86     -7.70     22.16     46.00     -23.84       621.7000     30.19     -6.76     23.43     46.00     -22.57	399.5700 29.48 -8.89 20.59 46.00 -25.41 QP 512.0900 29.86 -7.70 22.16 46.00 -23.84 QP 621.7000 30.19 -6.76 23.43 46.00 -22.57 QP	399.5700 29.48 -8.89 20.59 46.00 -25.41 QP 512.0900 29.86 -7.70 22.16 46.00 -23.84 QP 621.7000 30.19 -6.76 23.43 46.00 -22.57 QP	399.5700 29.48 -8.89 20.59 46.00 -25.41 QP 512.0900 29.86 -7.70 22.16 46.00 -23.84 QP 621.7000 30.19 -6.76 23.43 46.00 -22.57 QP

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

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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

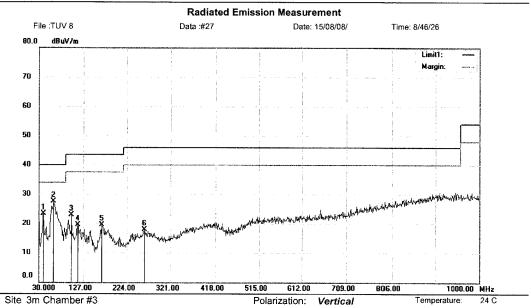
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: XLX

53 %



Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2441

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		39.7000	36.34	-12.95	23.39	40.00	-16.61	QP	-		
2	*	62.0100	43.62	-16.12	27.50	40.00	-12.50	QP	****		
3		100.8100	36.84	-14.02	22.82	43.50	-20.68	QP			
4		114.3900	34.74	-15.15	19.59	43.50	-23.91	QP			
5		167.7400	38.69	-19.27	19.42	43.50	-24.08	QP			
6		263.7700	30.61	-12.75	17.86	46.00	-28.14	QP	~		

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

File :TUV 8\Data :#27



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Shenzhen EMTEK Co., Ltd.

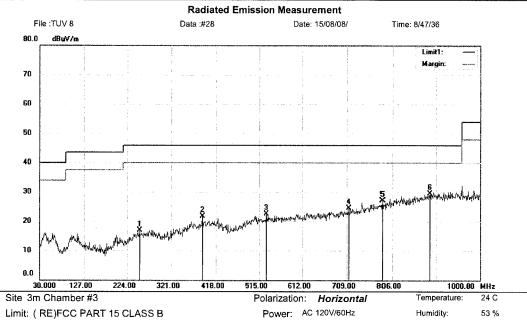
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: XLX

53 %



Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2441

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dΒ	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		251.1600	30.25	-13.25	17.00	46.00	-29.00	QP			
2		388.9000	31.15	-9.50	21.65	46.00	-24.35	QP			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
3		531.4900	29.97	-7.55	22.42	46.00	-23.58	QP			
4		713.8500	29.96	-5.55	24.41	46.00	-21.59	QP			
5		785.6300	30.35	-3.32	27.03	46.00	-18.97	QP			
6	*	889.4200	30.28	-0.86	29.42	46.00	-16.58	QP			· · · · · · · · · · · · · · · · · · ·

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

File: TUV 8\Data:#28



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Shenzhen EMTEK Co., Ltd.

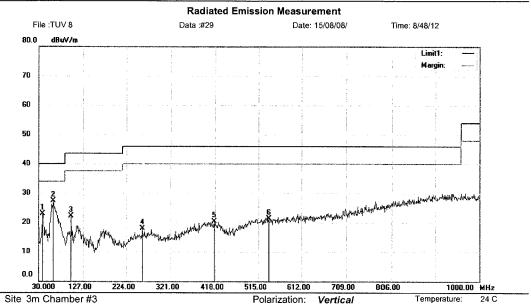
Power: AC 120V/60Hz

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



Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2480

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dВ	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		38.7300	36.25	-13.33	22.92	40.00	-17.08	QP	-		
2	*	62.0100	43.36	-16.12	27.24	40.00	-12.76	QP			
3		100.8100	36.20	-14.02	22.18	43.50	-21.32	QP	****		
4		258.9200	30.84	-12.85	17.99	46.00	-28.01	QP			
5	••••	416.0600	29.63	-9.32	20.31	46.00	-25.69	QP			
6		538.2800	28.86	-7.49	21.37	46.00	-24.63	QP			. 1186.00

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

File: TUV 8\Data:#29

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Operator: XLX



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Shenzhen EMTEK Co., Ltd.

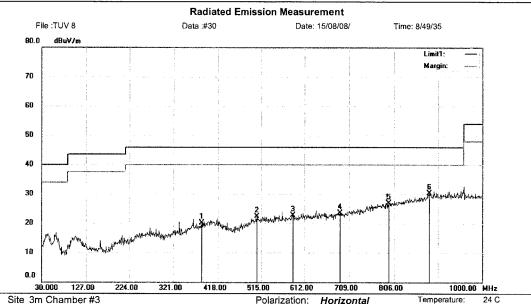
Power: AC 120V/60Hz

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



53 %

Humidity:



Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2480

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		382.1100	29.99	-9.88	20.11	46.00	-25.89	QP			
2		505.3000	30.13	-7.75	22.38	46.00	-23.62	QP			
3		586.7800	29.86	-7.10	22.76	46.00	-23.24	QP	****		
4		688.6300	29.55	-6.10	23.45	46.00	-22.55	QP			
5		793.3900	30.06	-3.07	26.99	46.00	-19.01	QP	40.44		
6	*	883.6000	31.40	-1.00	30.40	46.00	-15.60	QP			V 84444

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

File: TUV 8\Data:#30

Page: 1

Operator: XLX



**Products** 

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Shenzhen EMTEK Co., Ltd.

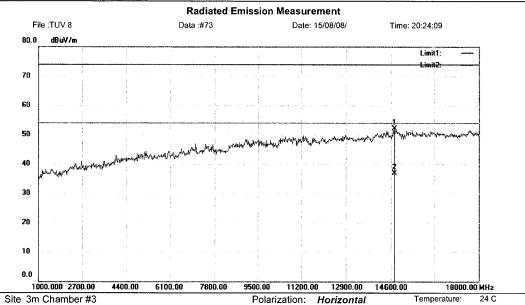
Bldg. 69, Majielong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel;+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2402

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree		
		MHz	dBuV	dΒ	dBuV/m	dBuV/m	dΒ	Detector	çm	degree	Comment	
1		14753.00	50.17	1.95	52.12	74.00	-21.88	peak				
2	*	14753.00	34.94	1.95	36.89	54.00	-17.11	AVG				

Power: AC 120V/60Hz

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

File: TUV 8\Data:#73



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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

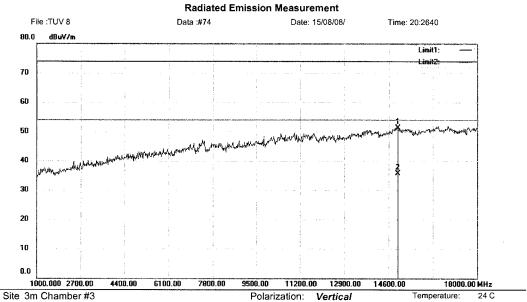
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2402

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		14940.00	49.49	1.82	51.31	74.00	-22.69	peak			
2	*	14940.00	33.81	1.82	35.63	54.00	-18.37	AVG			



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Shenzhen EMTEK Co., Ltd.

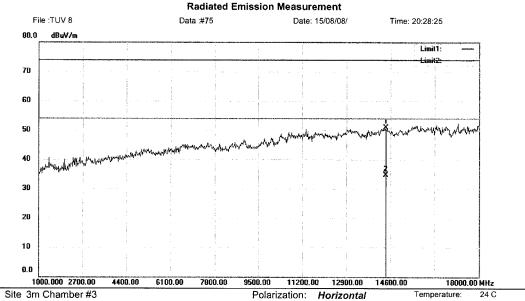
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2441

Note:

No.	М	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dΒ	Detector	cm	degree	Comment
1		14396.00	48.65	2.19	50.84	74.00	-23.16	peak			
2	*	14396.00	32.43	2.19	34.62	54.00	-19.38	AVG			

Power: AC 120V/60Hz



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17051492 001

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Shenzhen EMTEK Co., Ltd.

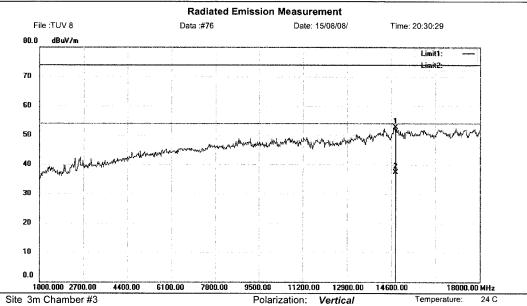
Power: AC 120V/60Hz

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



Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2441

Note:

No.	Mŀ	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dΒ	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14770.00	50.74	1.93	52.67	74.00	-21.33	peak	~		
2	*	14770.00	35.42	1.93	37.35	54.00	-16.65	AVG		1771.0	

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

File: TUV 8\Data:#76

Page: 1

Operator: KK



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Test Report No.

17051492 001

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Shenzhen EMTEK Co., Ltd.

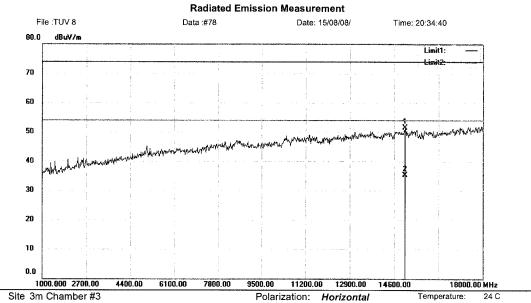
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2480

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	₫B	dBuV/m	dBuV/m	dΒ	Detector	cm	degree	Comment
1		15008.00	49.70	1.74	51.44	74.00	-22.56	peak			
2	*	15008.00	33.54	1.74	35.28	54.00	-18.72	AVG			

Power: AC 120V/60Hz



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17051492 001

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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

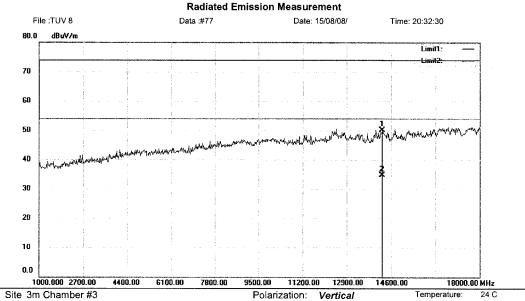
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2480

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	47.85	2.28	50.13	74.00	-23.87	peak			
2	*	14277.00	32.39	2.28	34.67	54.00	-19.33	AVG			



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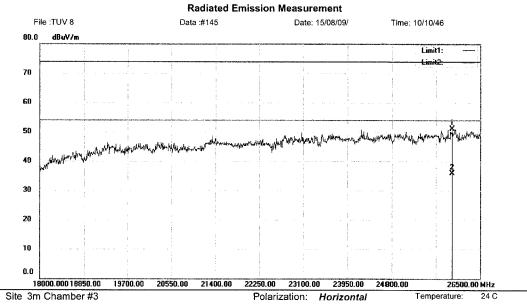
Shenzhen EMTEK Co., Ltd.

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



Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2402

Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∨	dB	₫BuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		25964.50	87.00	-35.83	51.17	74.00	-22.83	peak			
2	*	25964.50	71.66	-35.83	35.83	54.00	-18.17	AVG			

Power: AC 120V/60Hz

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

File: TUV 8\Data:#145

Page: 1

Operator: KK



Products

Prüfbericht - Nr.: 17051492 001

Test Report No.

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Shenzhen EMTEK Co., Ltd.

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



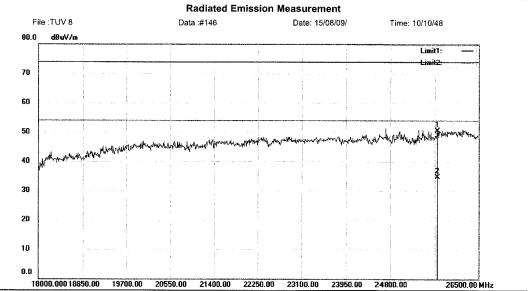
Temperature:

Humidity:

Operator: KK

24 C

53 %



Polarization: Vertical

Power: AC 120V/60Hz

Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:GFSK 2402

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		25701.00	86.62	-36.15	50.47	74.00	-23.53	peak			
2	*	25701.00	70.91	-36.15	34.76	54.00	-19.24	AVG		****	



**Products** 

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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

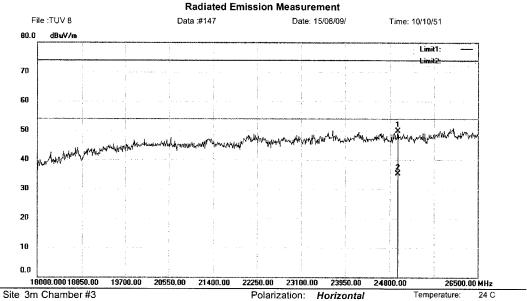
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Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2441

Note:

No.	Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	THAT AND THE PARTY OF THE PARTY
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24953.00	86.95	-37.02	49.93	74.00	-24.07	peak			***
2	*	24953.00	72.23	-37.02	35.21	54.00	-18.79	AVG			



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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

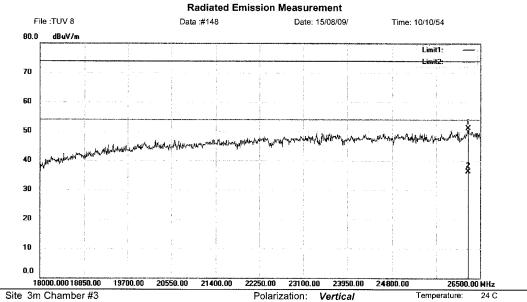
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode: GFSK 2441

Note:

No.	М	k. 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	86.65	-35.47	51.18	74.00	-22.82	peak			
2	*	26262.00	71.72	-35.47	36.25	54.00	-17.75	AVG			

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

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**Products** 

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Shenzhen EMTEK Co., Ltd.

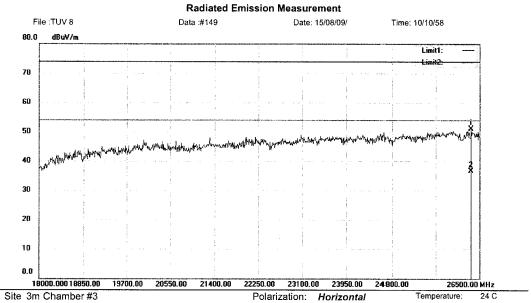
Power: AC 120V/60Hz

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Humidity:

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M

Mode: GFSK 2480

Note:

No.	Mk	. Freq.	,	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz		dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		26338.50	86.39	-35.38	51.01	74.00	-22.99	peak			
2	*	26338.50	72.09	-35.38	36.71	54.00	-17.29	AVG	**		.,

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

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Page: 1

Operator: KK



**Products** 

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Shenzhen EMTEK Co., Ltd.

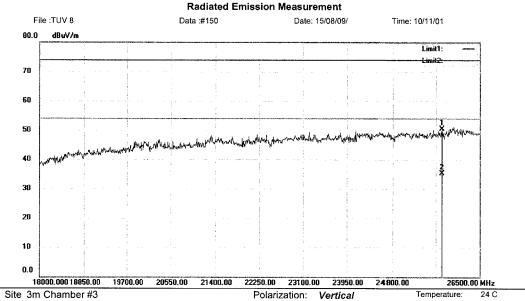
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: KK

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

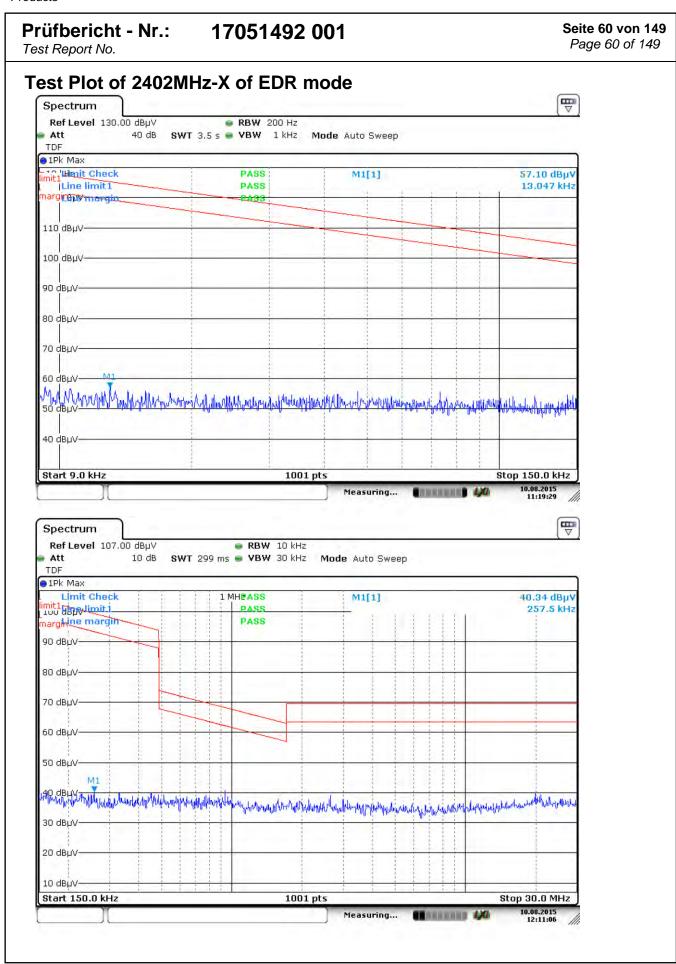
M/N: MID721-L DL718M Mode:GFSK 2480

Note:

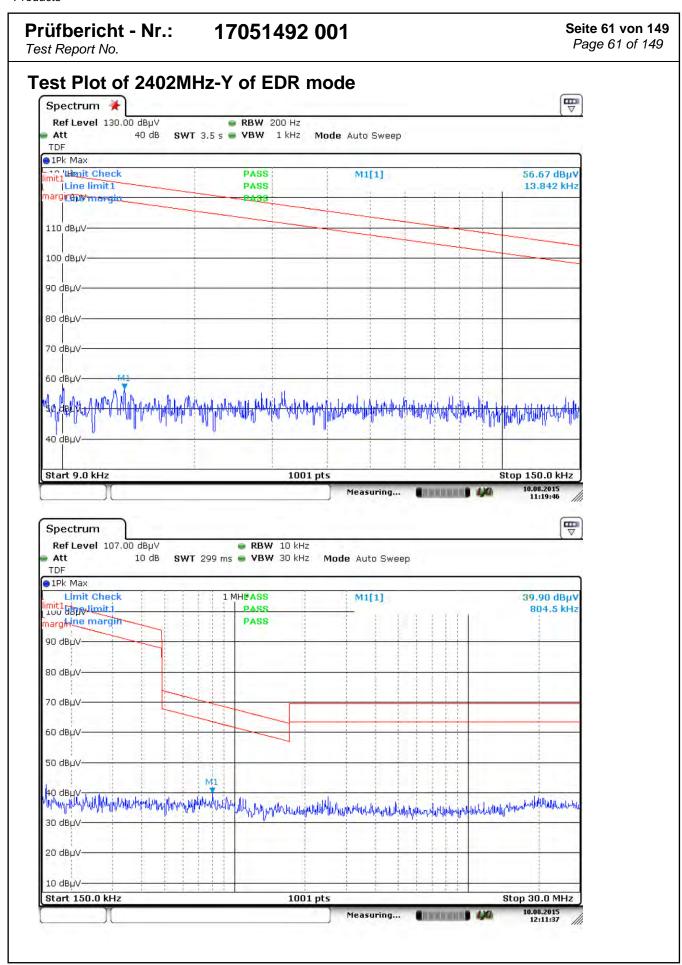
No.	MI	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		25769.00	86.57	-36.07	50.50	74.00	-23.50	peak			
2	*	25769.00	71.31	-36.07	35.24	54.00	-18.76	AVG			

Power: AC 120V/60Hz



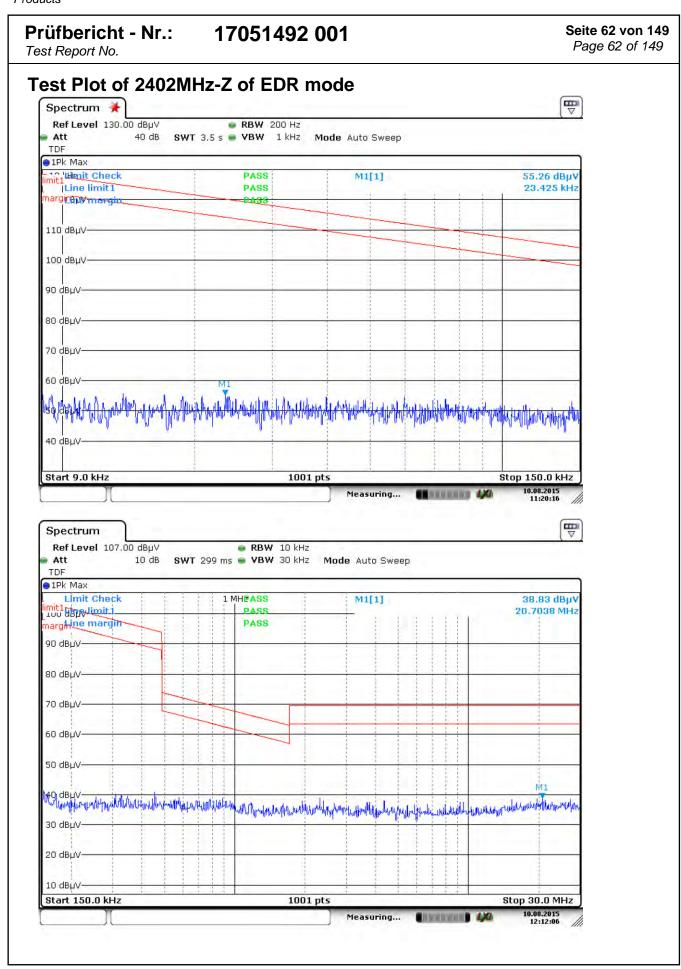




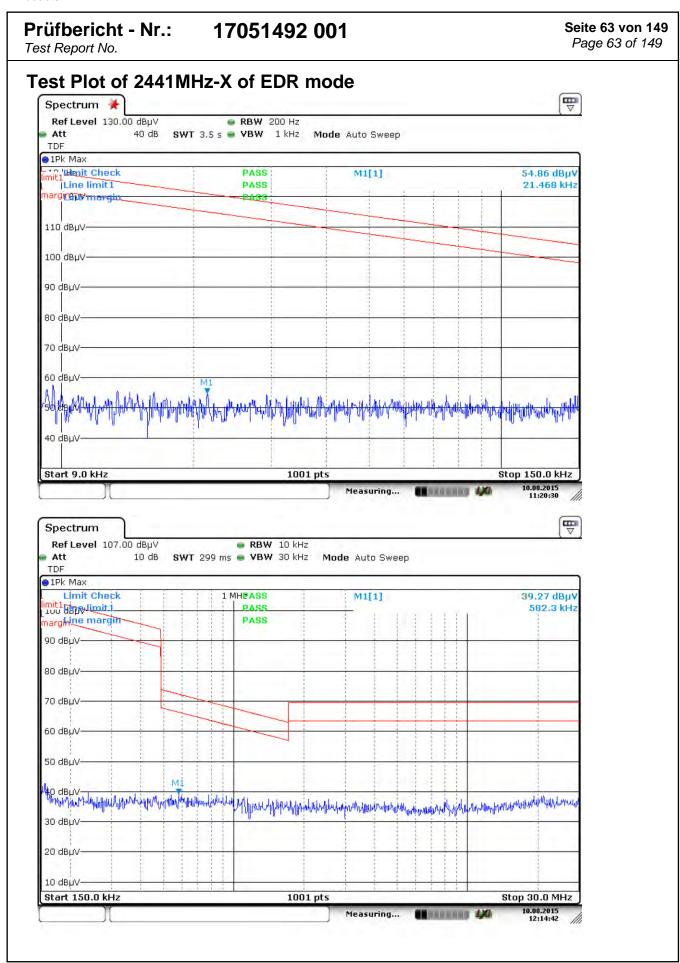




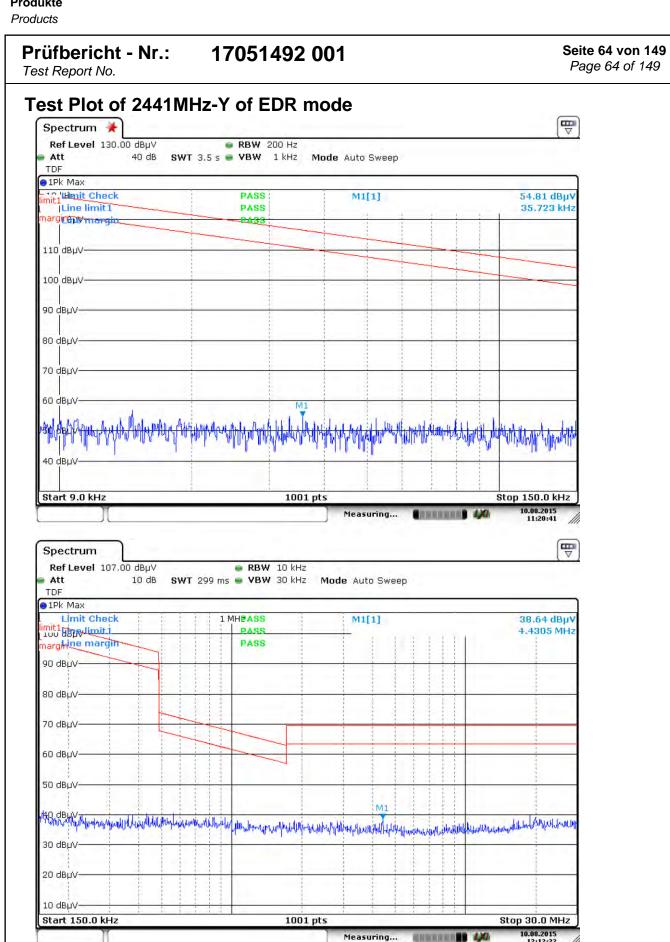




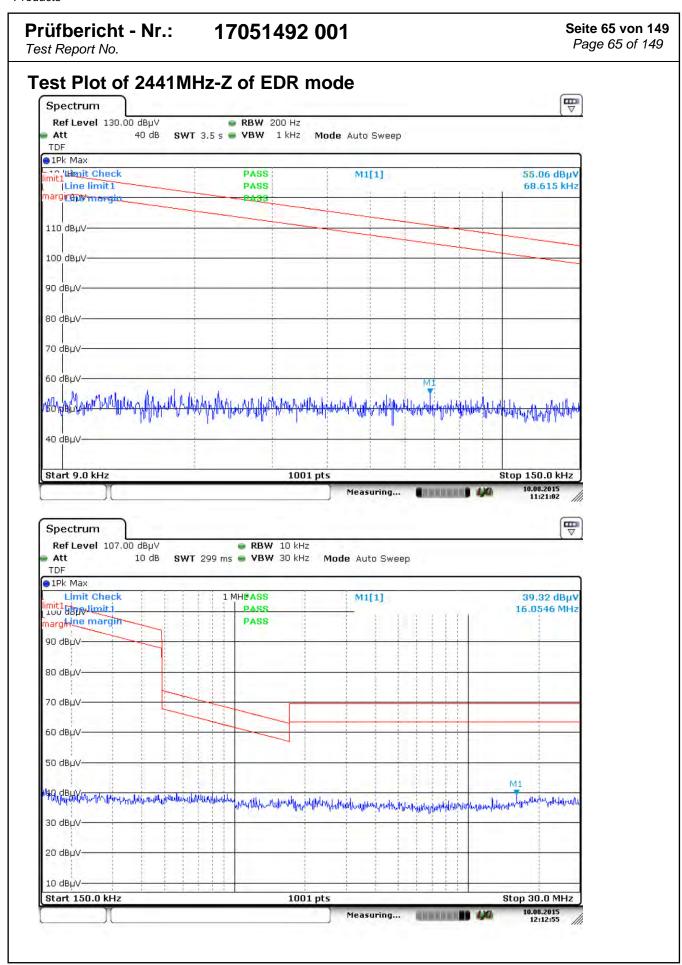






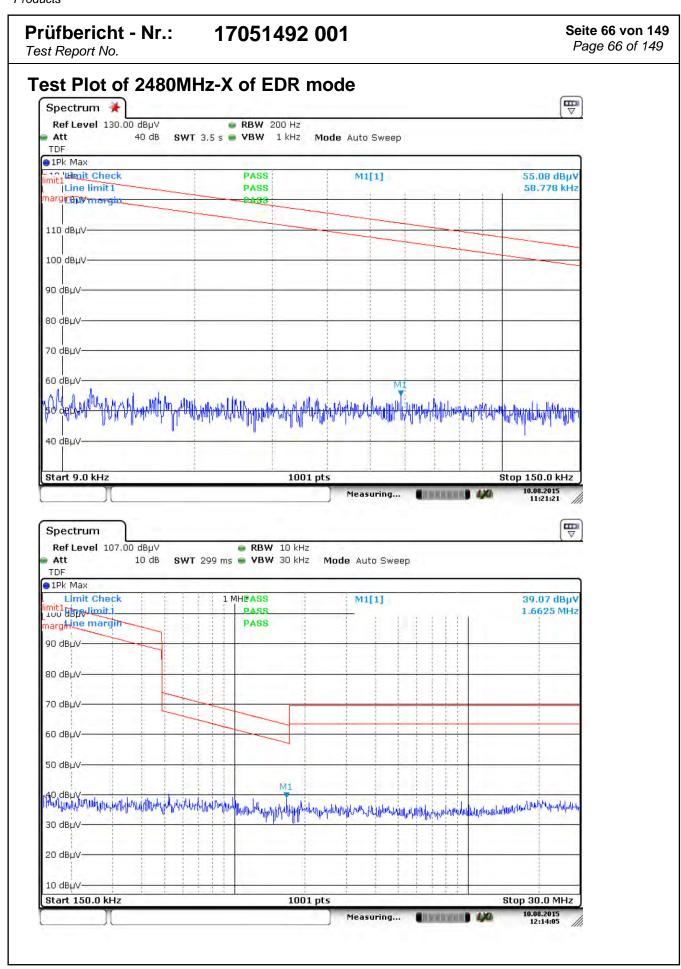




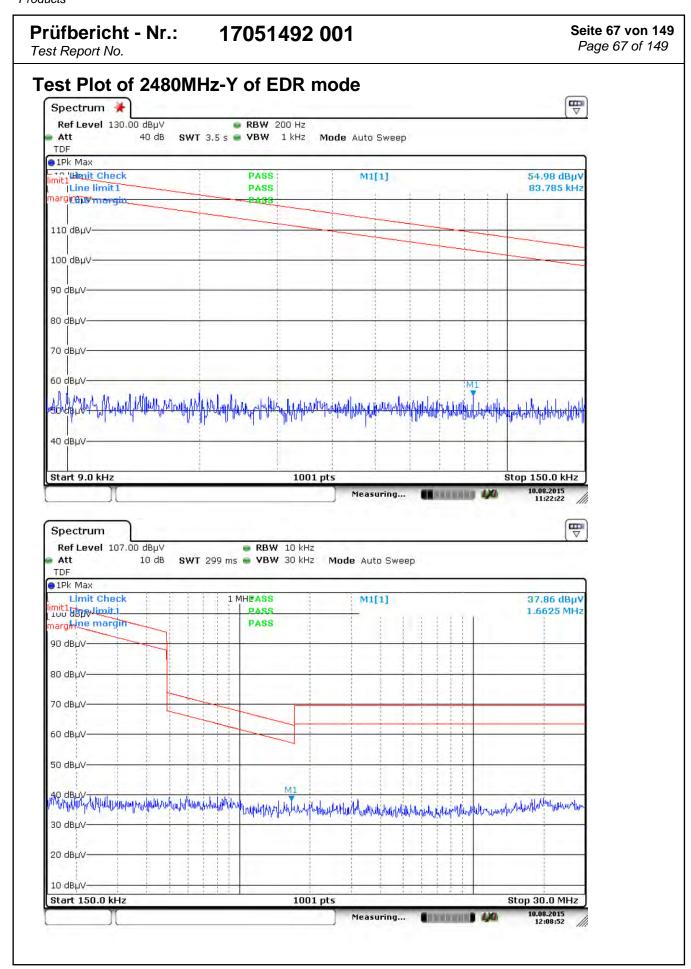




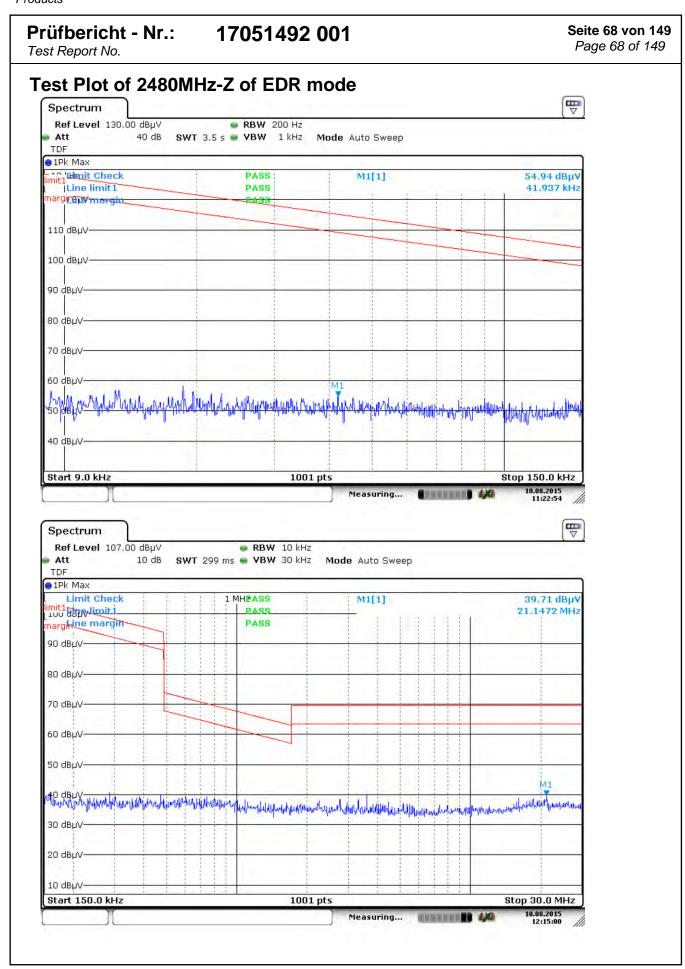














**Products** 

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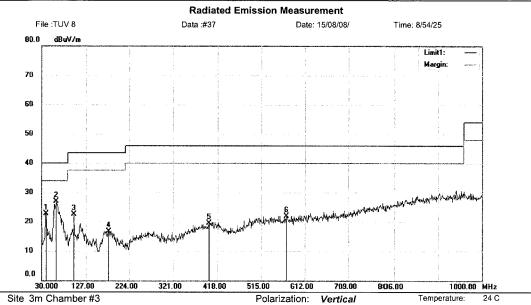
Shenzhen EMTEK Co., Ltd.

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Humidity:

53 %



Power: AC 120V/60Hz

Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:8DPSK 2402

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		39.7000	35.63	-12.95	22.68	40.00	-17.32	QP			
2	*	62.0100	43.08	-16.12	26.96	40.00	-13.04	QP			
3	-	100.8100	36.52	-14.02	22.50	43.50	-21.00	QP			
4		177.4400	35.86	-19.09	16.77	43.50	-26.73	QP			
5		398.6000	28.49	-8.95	19.54	46.00	-26.46	QP			***************************************
6		571.2600	29.16	-7.22	21.94	46.00	-24.06	QP			

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

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Operator: XLX



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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

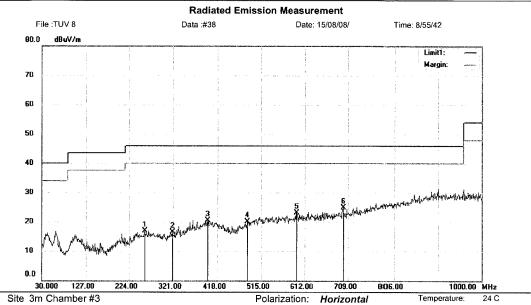
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Humidity:

Operator: XLX

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:8DPSK 2402

Note:

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dΒ	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		258.9200	29.83	-12.85	16.98	46.00	-29.02	QP	***************************************		
2		320.0300	29.98	-13.50	16.48	46.00	-29.52	QP			
3		396.6600	29.57	-9.05	20.52	46.00	-25.48	QP			
4		483.9600	29.28	-9.18	20.10	46.00	-25.90	QP			***************************************
5		594.5400	30.23	-7.03	23.20	46.00	-22.80	QP			
6	*	697.3600	30.87	-6.00	24.87	46.00	-21.13	QP			

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

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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

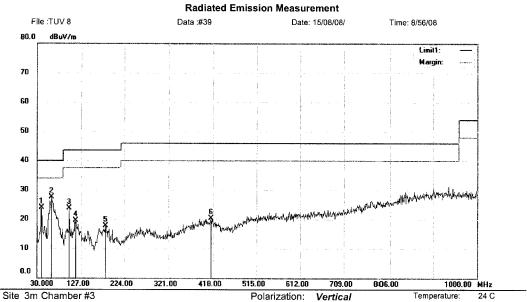
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: XLX

53 %



Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

EUT: MID

M/N: MID721-L DL718M Mode:8DPSK 2441

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		39.7000	36.76	-12.95	23.81	40.00	-16.19	QP			27.072.00
2	*	62.0100	43.68	-16.12	27.56	40.00	-12.44	QP			
3		100.8100	37.73	-14.02	23.71	43.50	-19.79	QP			
4		114.3900	34.58	-15.15	19.43	43.50	-24.07	QP			
5		181.3200	36.39	-18.75	17.64	43.50	-25.86	QP			
6		413.1500	29.57	-9.24	20.33	46.00	-25.67	QP			

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

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Shenzhen EMTEK Co., Ltd. Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China

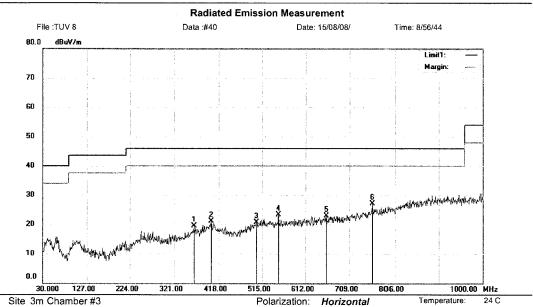
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Humidity:

Operator: XLX

53 %



Power: AC 120V/60Hz

Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

M/N: MID721-L DL718M Mode:8DPSK 2441

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		363.6800	30.04	-10.59	19.45	46.00	-26.55	QP			
2		401.5100	30.05	-8.92	21.13	46.00	-24.87	QP			
3		502.3900	28.50	<b>-7</b> .78	20.72	46.00	-25.28	QP			
4		551.8600	30.66	-7.38	23.28	46.00	-22.72	QP			
5		657.5900	29.35	-6.40	22.95	46.00	-23.05	QP			
6	*	760.4100	31.16	-4.10	27.06	46.00	-18.94	QP			

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

File: TUV 8\Data:#40



**Products** 

Prüfbericht - Nr.:

Test Report No.

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Shenzhen EMTEK Co., Ltd.

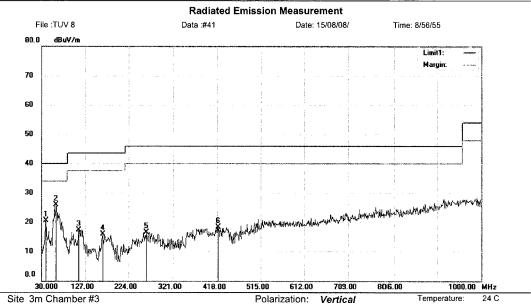
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Humidity:

Operator: XLX

53 %



Power: AC 120V/60Hz

Site 3m Chamber #3

Limit: ( RE)FCC PART 15 CLASS B

M/N: MID721-L DL718M Mode:8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	₫B	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		39.7000	33.45	-12.95	20.50	40.00	-19.50	QP			
2	*	62.0100	41.94	-16.12	25.82	40.00	-14.18	QP			
3		112.4500	32.03	-14.74	17.29	43.50	-26.21	QP			***************************************
4		165.8000	35.13	-19.14	15.99	43.50	-27.51	QP			
5	:	262.8000	29.26	-12.76	16.50	46.00	-29.50	QP	1200		
6		419.9400	27.69	-9.43	18.26	46.00	-27.74	QP		***************************************	

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

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Prüfbericht - Nr.:

17051492 001

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Shenzhen EMTEK Co., Ltd.

Power: AC 120V/60Hz

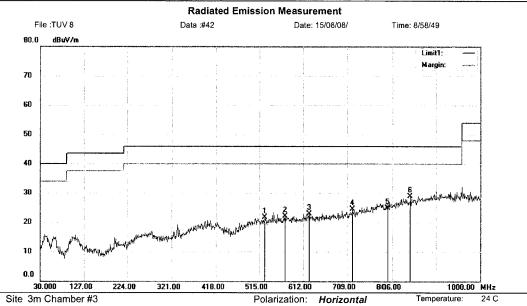
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R. China www.emtek.com.cn Tel:+86-755-2695 4280 Fax:+86-755-2695 4282



Humidity:

Operator: XLX

53 %



Limit: ( RE)FCC PART 15 CLASS B

M/N: MID721-L DL718M Mode:8DPSK 2480

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		527.6100	29.37	-7.58	21.79	46.00	-24.21	QP			
2	;	572.2300	29.23	-7.21	22.02	46.00	-23.98	QP			
3	(	625.5800	29.70	-6.73	22.97	46.00	-23.03	QP			* 1001130
4		721.6100	29.81	-5.31	24.50	46.00	-21.50	QP			
5		795.3300	27.89	-3.02	24.87	46.00	-21.13	QP			
6	* ;	845.7700	30.76	-1.85	28.91	46.00	-17.09	QP			

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

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