



FCC Radio Test Report

FCC ID: QISBGO-L03

This report concerns (check one): Moriginal Grant Class II Change

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Project No. Equipment Model Name Applicant Address	1608C212 HUAWEI MediaPad T2 7.0 (MediaPad T2 7.0 for short) BGO-L03 Huawei Technologies Co.,Ltd. Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C	
Date of Receipt Date of Test Issued Date Tested by	: Aug. 26, 2016 : Aug. 26, 2016 ~ Sep. 09, 2016 : Sep. 13, 2016 : BTL Inc.	
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Report No.: BTL-FCCP-2-1608C212 Page 1 of 91





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For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Report No.: BTL-FCCP-2-1608C212 Page 2 of 91





Table of Contents	Page
4 CERTIFICATION	•
1 . CERTIFICATION	6
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
3. GENERAL INFORMATION	9
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	11
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TES	STED 12
3.2 DESCRIPTION OF SUPPORT UNITS	12
4 . EMC EMISSION TEST	13
4.1 CONDUCTED EMISSION MEASUREMENT	13
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	13
4.1.2 TEST PROCEDURE 4.1.3 DEVIATION FROM TEST STANDARD	13
4.1.3 DEVIATION FROM TEST STANDARD 4.1.4 TEST SETUP	13 14
4.1.5 EUT OPERATING CONDITIONS	14
4.1.6 EUT TEST CONDITIONS	14
4.1.7 TEST RESULTS	14
4.2 RADIATED EMISSION MEASUREMENT 4.2.1 RADIATED EMISSION LIMITS	15 45
4.2.1 RADIATED EMISSION LIMITS 4.2.2 TEST PROCEDURE	15 16
4.2.3 DEVIATION FROM TEST STANDARD	16
4.2.4 TEST SETUP	17
4.2.5 EUT TEST CONDITIONS	18
4.2.6 TEST RESULTS (9KHZ TO 30MHZ) 4.2.7 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)	18 19
4.2.8 TEST RESULTS (ABOVE 1000 MHZ)	19
5 . BANDWIDTH TEST	20
5.1 APPLIED PROCEDURES / LIMIT	20
5.1.1 TEST PROCEDURE	20
5.1.2 DEVIATION FROM STANDARD	20
5.1.3 TEST SETUP 5.1.4 EUT OPERATION CONDITIONS	20 20
5.1.5 EUT TEST CONDITIONS	20
5.1.6 TEST RESULTS	20
6 . MAXIMUM OUTPUT POWER TEST	21

Report No.: BTL-FCCP-2-1608C212





Table of Contents Pa	age
6.1 APPLIED PROCEDURES / LIMIT 6.1.1 TEST PROCEDURE	21 21
6.1.2 DEVIATION FROM STANDARD	21
6.1.3 TEST SETUP	21
6.1.4 EUT OPERATION CONDITIONS	21
6.1.5 EUT TEST CONDITIONS 6.1.6 TEST RESULTS	21 21
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	22
7.1 APPLIED PROCEDURES / LIMIT	22
7.1.1 TEST PROCEDURE 7.1.2 DEVIATION FROM STANDARD	22 22
7.1.2 DEVIATION FROM STANDARD 7.1.3 TEST SETUP	22
7.1.4 EUT OPERATION CONDITIONS	<u></u> 22
7.1.5 EUT OPERATION CONDITIONS	22
7.1.6 TEST RESULTS	22
8 . POWER SPECTRAL DENSITY TEST	23
8.1 APPLIED PROCEDURES / LIMIT	23
8.1.1 TEST PROCEDURE	23
8.1.2 DEVIATION FROM STANDARD 8.1.3 TEST SETUP	23 23
8.1.4 EUT OPERATION CONDITIONS	23
8.1.5 EUT TEST CONDITIONS	23
8.1.6 TEST RESULTS	23
9 . MEASUREMENT INSTRUMENTS LIST	24
10 . EUT TEST PHOTO	26
ATTACHMENT A - CONDUCTED EMISSION	32
ATTACHMENT B - RADIATED EMISSION (9KHZ-30MHZ)	39
ATTACHMENT C - RADIATED EMISSION BETWEEN (30MHZ TO 1000MHZ)	52
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	65
ATTACHMENT E - BANDWIDTH	78
ATTACHMENT F - MAXIMUM OUTPUT POWER TEST	81
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION	82
ATTACHMENT H - POWER SPECTRAL DENSITY TEST	89

Report No.: BTL-FCCP-2-1608C212





REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1608C212	Original Issue.	Sep. 13, 2016

Report No.: BTL-FCCP-2-1608C212 Page 5 of 91





1. CERTIFICATION

Equipment : HUAWEI MediaPad T2 7.0 (MediaPad T2 7.0 for short)

Brand Name: HUAWEI Model Name: BGO-L03

Applicant : Huawei Technologies Co.,Ltd. Manufacturer : Huawei Technologies Co.,Ltd.

Address : Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen

518129, P.R.China

Factory: Huawei Technologies Co.,Ltd.

Address : Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen

518129, P.R.China

Date of Test : Aug. 26, 2016 ~ Sep. 09, 2016

Test Sample: Engineering Sample

Standard(s) : FCC Part15, Subpart C (15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1608C212) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the BT LE part.

Report No.: BTL-FCCP-2-1608C212





2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C				
Standard(s) Section	Test Item	Judgment	Remark	
15.207	Conducted Emission	PASS		
15.247(d)	Antenna conducted Spurious Emission	PASS		
15.247(a)(2)	6dB Bandwidth	PASS		
15.247(b)(3)	Peak Output Power	PASS		
15.247(e)	Power Spectral Density	PASS		
15.203	Antenna Requirement	PASS		
15.209/15.205	Transmitter Radiated Emissions	PASS		

NOTE:

(1)" N/A" denotes test is not applicable to this device.

Report No.: BTL-FCCP-2-1608C212 Page 7 of 91





2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expanded uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 %.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150 KHz ~ 30MHz	2.32

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
		9KHz~30MHz	V	3.79
		9KHz~30MHz	Ι	3.57
		30MHz ~ 200MHz	V	3.82
DC CD02 /		30MHz ~ 200MHz	Ι	3.78
	OG-CB03 CISPR	200MHz ~ 1,000MHz	V	4.10
DG-CB03		200MHz ~ 1,000MHz	Ι	4.06
		1GHz~18GHz	V	3.12
		1GHz~18GHz	Ι	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	Ι	4.14

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

Report No.: BTL-FCCP-2-1608C212





3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	HUAWEI MediaPad T2 7.0 (Med	liaPad T2 7.0 for short)	
Brand Name	HUAWEI		
Model Name	BGO-L03		
Model Difference	N/A		
	Operation Frequency	2402~2480 MHz	
Product Description	Modulation Technology	GFSK	
1 Toddot Booonplion	Bit Rate of Transmitter	1Mbps	
	Output Power (Max.)	7.57dBm	
Power Source	#1 DC voltage supplied from AC/DC adapter. Manufacturer: (1) HUIZHOU BYD ELECTRONIC CO., LTD. (2) Shenzhen Huntkey Electric Co., Ltd. (3) Dongguan Phitek Electronics Co., Ltd Model: HW-050100U01 (US), HW-050100A01 (AU) HW-050100E01 (EU), HW-050100B01 (UK) #2 Supplied from battery.		
Power Rating	#1 I/P: 100-240V~50/60Hz, 0.2A #2 DC 3.7V 4000mAh		
HW Version	SH1BAGO721LM		
SW Version	BGO-L03C331B002		

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2.

Item	Mfr/Brand	Model.	
Pottory.	Harbin Coslight Power Co., Ltd.	HB3G1	
Battery	Sunwoda Electronic Co., LTD	INDSG I	
	HONGLIN TECHNOLOGY CO., LTD	130-26988	
USB Cable	FOXCONN INTERCONNECT CO., LTD	CUBB01M-HC304-D	
	Shenzhen Luxshare Precision Industry Co., Ltd	L99U2017-CS-H	
	GoerTek Inc	HA1-3, HG-04A	
Earphone	Jiangxi Lianchuang Hongsheng Electronic Co.,	MEMD1632B580C0	
	BOLUO COUNTY QUANCHENG ELECTRONIC	1311-3291-3.5mm-2	

Report No.: BTL-FCCP-2-1608C212 Page 9 of 91





3. Channel List:

Channel List			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	-0.4

Report No.: BTL-FCCP-2-1608C212 Page 10 of 91





3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX Mode NOTE (1)

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test		
Final Test Mode	Description	
Mode 1	TX Mode NOTE (1)	

For Radiated Test		
Final Test Mode	Description	
Mode 1	TX Mode NOTE (1)	

Note:

(1) The measurements are performed at the high, middle, low available channels.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of BT LE.

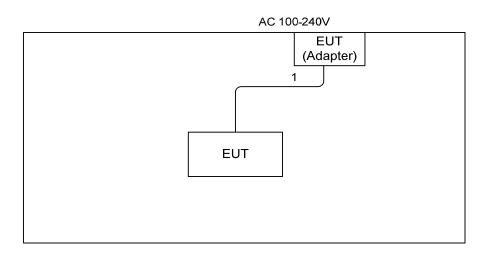
Test Software Version	N/A		
Frequency	2402 MHz	2440 MHz	2480 MHz
BT LE	N/A	N/A	N/A

Report No.: BTL-FCCP-2-1608C212 Page 11 of 91





3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.2 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1m	AC Power Cable

Report No.: BTL-FCCP-2-1608C212 Page 12 of 91





4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

Frequency of Emission (MHz)	Conducted Limit (dBµV)		
	Quasi-peak	Average	
0.15 -0.5	66 to 56*	56 to 46*	
0.50 -5.0	56	46	
5.0 -30.0	60	50	

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

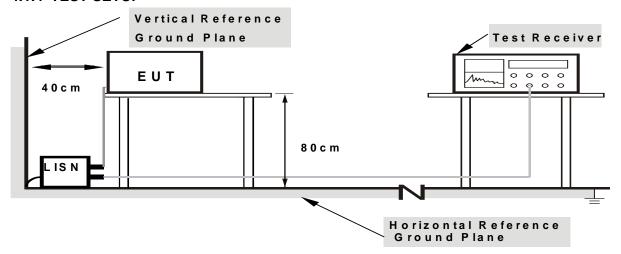
No deviation

Report No.: BTL-FCCP-2-1608C212 Page 13 of 91





4.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting/receiving data or hopping on mode.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of <code>『Note』</code>. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.
- (3) "N/A" denotes test is not applicable to this device.

Report No.: BTL-FCCP-2-1608C212 Page 14 of 91





4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	Band edge at 3m (dBµV/m)		Harmonic at 1.5m (dBµV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	80 (Note 5)	60(Note 5)

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value

(5)
$$FS_{\text{limit}} = FS_{\text{max}} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

20log d limit/d measure=20log 3/1.5=6dB.

Spectrum Parameter	Setting	
Attenuation	Auto	
Start Frequency	1000 MHz	
Stop Frequency	10th carrier harmonic	
RBW / VBW	RBW 1MHz VBW 3MHz peak detector for Pk value	
(Emission in restricted band)	RMS detector for AV value	

Report No.: BTL-FCCP-2-1608C212 Page 15 of 91





Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 or 1.5m m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

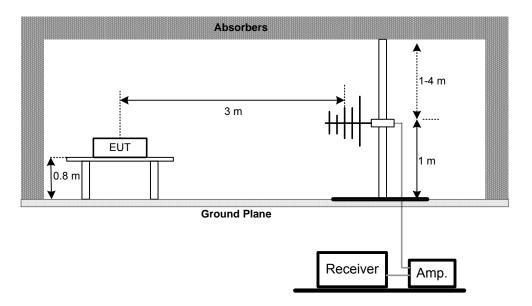
Report No.: BTL-FCCP-2-1608C212 Page 16 of 91



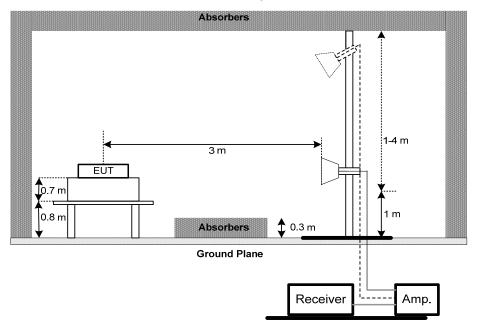


4.2.4 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz
Band edge

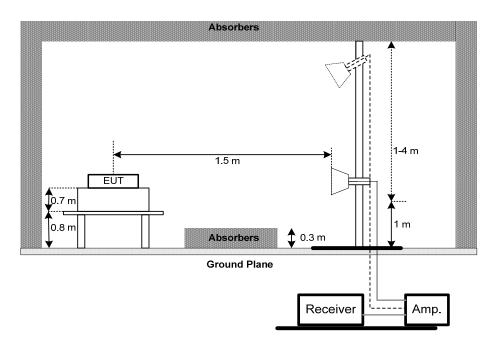


Report No.: BTL-FCCP-2-1608C212 Page 17 of 91

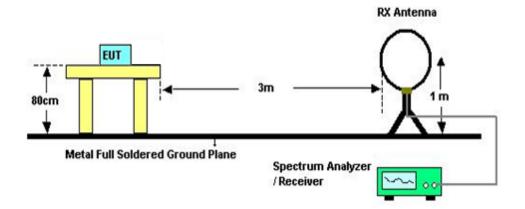




Harmonic



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

4.2.6TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B.

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

Report No.: BTL-FCCP-2-1608C212 Page 18 of 91





4.2.7TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

Remark:

- (1) Measuring frequency range from 30MHz to 1000MHz.
- (2) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

4.2.8TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (2) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (3) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (4) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
- (5) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output test.

Report No.: BTL-FCCP-2-1608C212 Page 19 of 91





5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2402~2480 MHz	PASS

5.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

Report No.: BTL-FCCP-2-1608C212 Page 20 of 91





6. MAXIMUM OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section Test Item Limit Frequency Range (MHz)				Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2402~2480 MHz	PASS

6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r05.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

EUT	Power Meter
	1 OWEL MELET

6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

Report No.: BTL-FCCP-2-1608C212 Page 21 of 91





7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 10 ms.
- c. Offset=antenna gain + cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 EUT OPERATION CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

7.1.6 TEST RESULTS

Please refer to the Attachment G.

Report No.: BTL-FCCP-2-1608C212 Page 22 of 91





8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section Test Item		Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2402~2480 MHz	PASS

8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Attachment H.

Report No.: BTL-FCCP-2-1608C212 Page 23 of 91





9. MEASUREMENT INSTRUMENTS LIST

		Conducted E	mission Measure	ment	
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

	Radiated Emission Measurement				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
4	Test Cable	emci	LMR-400(30MH z-1GHz)	C-01	Jun. 26, 2017
5	Controller	СТ	SC100	N/A	N/A
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
9	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
10	Test Cable	emci	EMC104-SM-S M-10000(1GHz -26.5GHz)	C-68	Jun. 26, 2017
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 27, 2017
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017

Report No.: BTL-FCCP-2-1608C212 Page 24 of 91





		6dB Bandwid	th Measureme	ent	
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016

		Peak Output Po	wer Measurer	nent	
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	power Meter	ANRITSU	ML2495A	1128009	Mar. 27, 2017
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 27, 2017

	Antenna Conducted Spurious Emission Measurement				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016

		Power Spectral De	ensity Measur	rement	
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

Report No.: BTL-FCCP-2-1608C212 Page 25 of 91

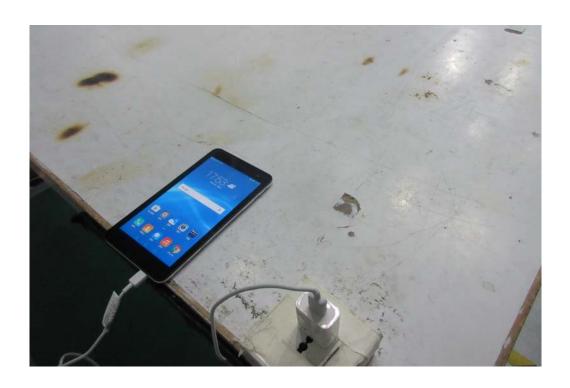




10. EUT TEST PHOTO

Conducted Measurement Photos





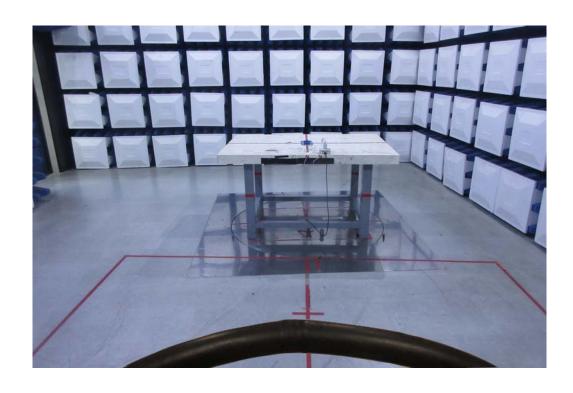
Report No.: BTL-FCCP-2-1608C212 Page 26 of 91





9KHz to 30MHz





Report No.: BTL-FCCP-2-1608C212 Page 27 of 91





30MHz to 1000MHz



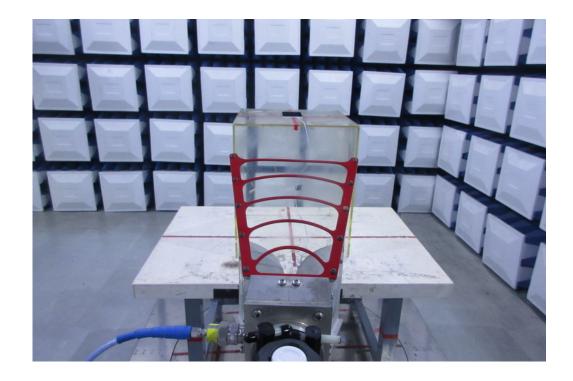


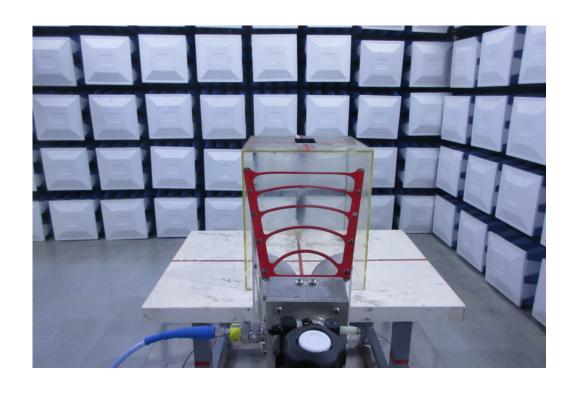
Report No.: BTL-FCCP-2-1608C212 Page 28 of 91





1GHz to 18GHz



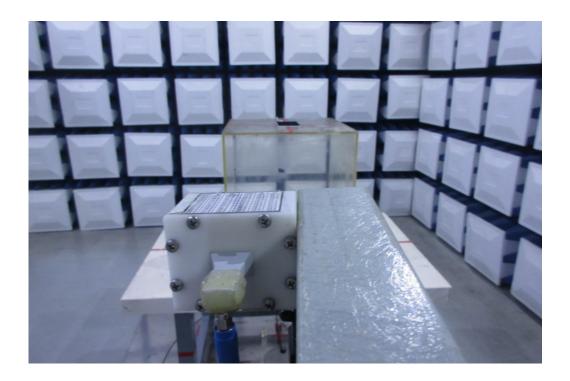


Report No.: BTL-FCCP-2-1608C212 Page 29 of 91





18GHz to 26.5GHz



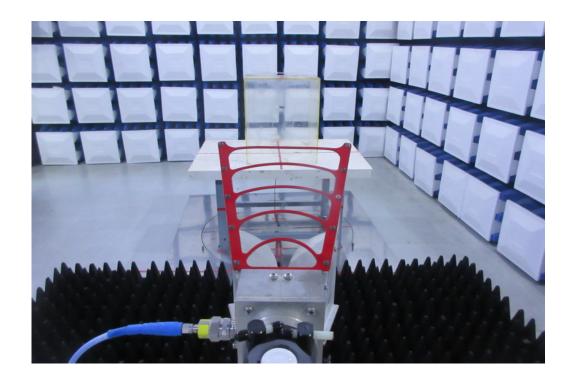


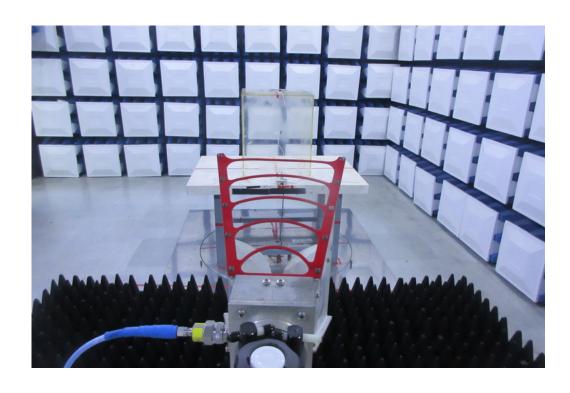
Report No.: BTL-FCCP-2-1608C212 Page 30 of 91





Band Edge





Report No.: BTL-FCCP-2-1608C212 Page 31 of 91





ATTACHMENT A - CONDUCTED EMISSION

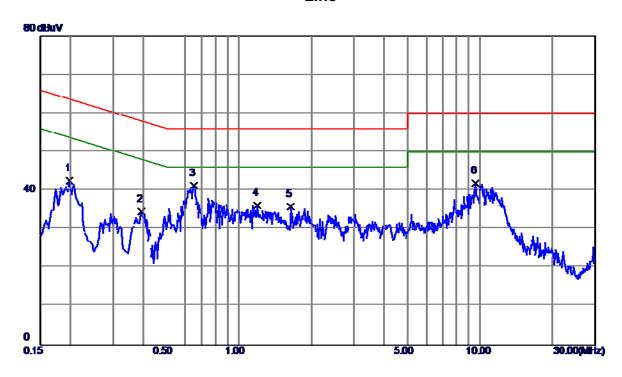
Report No.: BTL-FCCP-2-1608C212 Page 32 of 91





Test Mode: TX Mode(Adapter: Phitek)

Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1980	33. 07	9. 53	42.60	63. 69	-21 . 0 9	Peak	
2	0.3940	24. 96	9. 54	34. 50	57. 98	-23 . 4 8	Peak	
3 *	0.6500	31. 63	9. 64	41. 27	56.00	-14. 73	Peak	
4	1. 1940	26. 46	9. 77	36. 23	56.00	-19. 77	Peak	
5	1. 6420	25. 93	9. 88	35. 81	56. 00	-20. 19	Peak	
6	9. 5540	31. 71	10. 20	41. 91	60.00	-18 . 0 9	Peak	

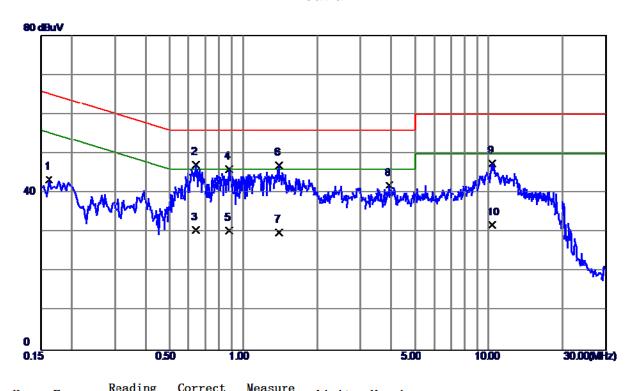
Report No.: BTL-FCCP-2-1608C212 Page 33 of 91





Test Mode: TX Mode(Adapter: Phitek)

Neutral



No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 1620	33. 98	9. 46	43. 44	65. 36	-21 . 9 2	Peak	
2 *	0.6419	37. 78	9. 44	47. 22	56. 00	-8. 78	Peak	
3	0.6419	21. 10	9. 44	30. 54	46.00	-15.46	AVG	
4	0.8780	36. 42	9. 63	46. 05	56. 00	-9. 95	Peak	
5	0.8780	20.80	9. 63	30. 43	46.00	-15.57	AVG	
6	1. 3940	37. 34	9. 67	47. 01	56. 00	-8. 99	Peak	
7	1. 3940	20. 30	9. 67	29. 97	46. 00	-16. 03	AVG	
8	3. 9300	32. 01	9. 88	41. 89	56. 00	-14. 11	Peak	
9	10. 3340	37. 21	10. 31	47. 52	60. 00	-12. 48	Peak	
1 0	10. 3340	21. 60	10. 31	31. 91	50. 00	-18. 09	AVG	

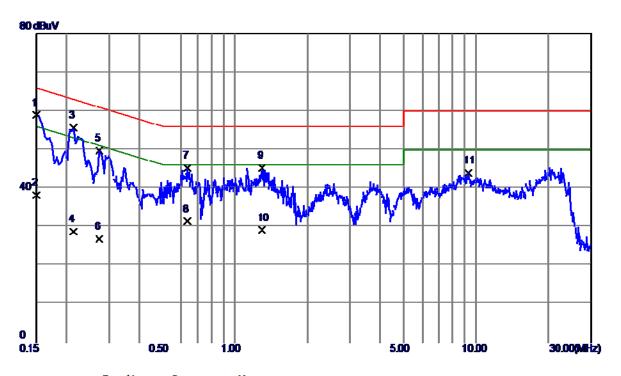
Report No.: BTL-FCCP-2-1608C212 Page 34 of 91





Test Mode: TX Mode (Adapter: Huntkey)

Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1500	49. 44	9. 52	58. 96	66.00	-7.04	Peak	
2	0.1500	28. 70	9. 52	38. 22	56.00	-17. 78	AVG	
3	0. 2140	46. 14	9. 53	55. 67	63.05	-7. 38	Peak	
4	0. 2140	19. 20	9. 53	28. 73	53. 05	-24. 32	AVG	
5	0. 2740	40. 25	9. 53	49. 78	61.00	-11. 22	Peak	
6	0. 2740	17. 30	9. 53	26. 83	51.00	24. 17	AVG	
7	0.6340	35. 57	9.64	45. 21	56.00	-10. 79	Peak	
8	0.6340	21. 80	9.64	31. 44	46.00	-14. 56	AVG	
9	1. 2940	35.48	9.80	45. 28	56.00	-10. 72	Peak	
10	1. 2940	19. 40	9.80	29. 20	46. 00	-16. 80	AVG	
11	9. 2700	33. 84	10. 20	44. 04	60.00	-15 . 9 6	Peak	

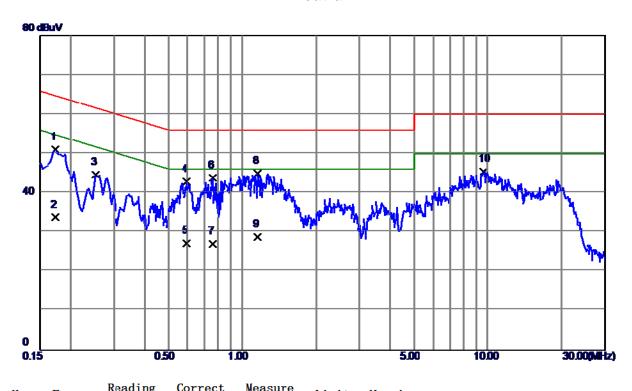
Report No.: BTL-FCCP-2-1608C212 Page 35 of 91





Test Mode: TX Mode (Adapter: Huntkey)

Neutral



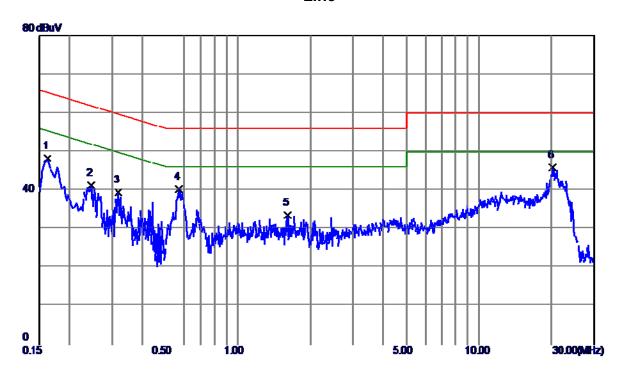
No.	Freq.	Leve1	Factor	measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 1740	41.67	9. 44	51. 11	64. 77	-13. 66	Peak	
2	0.1740	24. 39	9. 44	33. 83	54. 77	-20.94	AVG	
3	0. 2540	35. 07	9. 53	44. 60	61.63	-17. 03	Peak	
4	0. 5940	33. 47	9. 44	42. 91	56. 00	-13.09	Peak	
5	0. 5940	17. 80	9. 11	27. 24	46.00	-18. 76	AVG	
6	0.7580	34. 29	9. 51	43. 80	56. 00	-12. 20	Peak	
7	0. 7580	17. 60	9. 51	27. 11	46. 00	-18. 89	AVG	
8 *	1. 1539	35. 25	9. 66	44. 91	56.00	- 1 1. 09	Peak	
9	1. 1539	19. 10	9. 66	28. 76	46. 00	-17. 24	AVG	
1 0	9. 5860	35. 18	10. 26	45. 44	60. 00	-14. 56	Peak	

Report No.: BTL-FCCP-2-1608C212 Page 36 of 91





Line



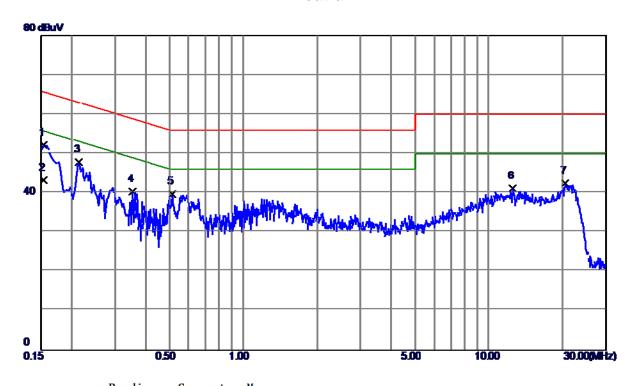
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1620	38. 73	9. 52	48. 25	65. 36	-17. 11	Peak	
2	0. 2460	31. 68	9. 53	41. 21	61.89	-20. 68	Peak	
3	0.3180	30. 06	9. 53	39. 59	59. 76	-20. 17	Peak	
4	0. 5660	30. 72	9.64	40. 36	56. 00	-15. 64	Peak	
5	1.6100	23. 67	9.88	33. 55	56. 00	-22. 45	Peak	
6 *	20. 2580	35. 54	10. 40	45. 94	60. 00	14. 0 6	Peak	

Report No.: BTL-FCCP-2-1608C212 Page 37 of 91





Neutral



No.	Freq.	Keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 1539	42. 60	9. 50	52. 1 0	65. 79	-13. 69	Peak	
2 *	0. 1539	33. 70	9. 50	43. 20	55. 79	-12. 59	AVG	
3	0. 2140	38. 32	9. 53	47. 85	63. 05	-15. 20	Peak	
4	0. 3540	30. 77	9. 53	40. 30	58. 87	-18. 57	Peak	
5	0. 5140	30. 18	9. 11	39. 62	56.00	-16. 38	Peak	
6	12. 4780	30. 75	10. 33	41. 08	60.00	-18. 92	Peak	
7	20. 5060	31. 83	10. 50	42. 33	60. 00	-17. 67	Peak	

Report No.: BTL-FCCP-2-1608C212 Page 38 of 91





ATTACHMENT B - RADIATED EMISSION (9KHZ-30MHZ)

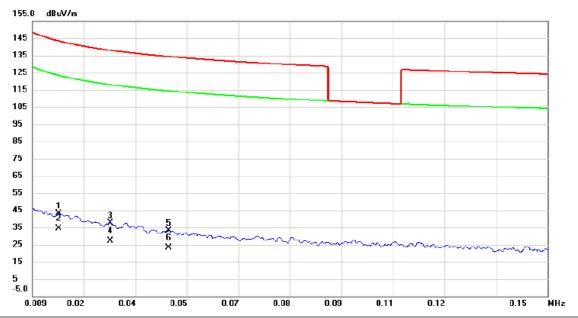
Report No.: BTL-FCCP-2-1608C212 Page 39 of 91





Test Mode: TX Mode(Adapter: Phitek)

Ant 0°



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0163	19.45	23.74	43.19	143.36	-100.17	peak	
2 *	0.0163	10.58	23.74	34.32	123.36	-89.04	AVG	
3	0.0304	15.36	22.24	37.60	137.95	-100.35	peak	
4	0.0304	4.88	22.24	27.12	117.95	-90.83	AVG	
5	0.0464	12.80	20.26	33.06	134.27	-101.21	peak	
6	0.0464	2.76	20.26	23.02	114.27	-91.25	AVG	

Report No.: BTL-FCCP-2-1608C212 Page 40 of 91





Test Mode: TX Mode(Adapter: Phitek) Ant 0° 150.0 dBuV/m 140 130 120 110 100 90 80 70 60 40 30 20 10 0 -10.0 0.150 3.14 6.12 9.10 12.09 15.08 18.06 21.04 24.03 30.00 MHz

No. MI	c. Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.4186	16.41	18.46	34.87	115.17	-80.30	peak	
2	0.4186	6.30	18.46	24.76	95.17	-70.41	AVG	
3 *	2.1947	16.55	17.66	34.21	69.54	-35.33	QP	
4	3.4483	11.56	17.58	29.14	69.54	-40.40	QP	

Report No.: BTL-FCCP-2-1608C212 Page 41 of 91





Test Mode: TX Mode(Adapter: Phitek) Ant 90° 150.0 dBuV/m 140 130 120 110 100 90 80 70 60 50 40 30 20 10 -10.Q MHz 0.009 0.02 0.04 0.05 0.07 0.08 0.09 0.11 0.12 0.15 Reading Correct Measure-Limit Margin No. Mk. Freq. Level Factor ment MHz dBuV dΒ dBuV/m dBuV/m dB Detector Comment 0.0122 20.45 44.44 145.88 -101.44 23.99 peak 1 2 0.0122 12.13 23.99 36.12 125.88 -89.76 AVG 3 0.0255 17.28 22.84 40.12 139.47 -99.35 peak 0.0255 10.18 22.84 33.02 119.47 -86.45 AVG 4 peak 5 0.0602 11.88 19.71 31.59 132.01 -100.42 6 0.0602 4.63 19.71 24.34 112.01 -87.67 AVG

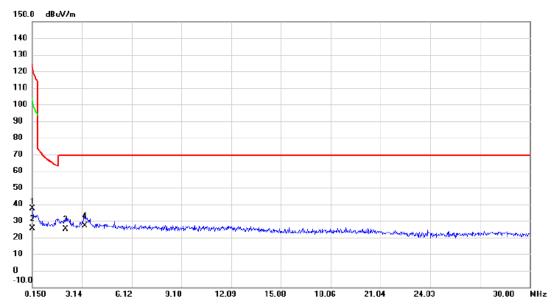
Report No.: BTL-FCCP-2-1608C212





Test Mode: TX Mode(Adapter: Phitek)

Ant 90°



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.1500	18.69	18.74	37.43	124.09	-86.66	peak	
2	0.1500	6.80	18.74	25.54	104.09	-78.55	AVG	
3	2.1650	7.11	17.70	24.81	69.54	-44.73	QP	
4 *	3.3290	9.81	17.33	27.14	69.54	-42.40	QP	

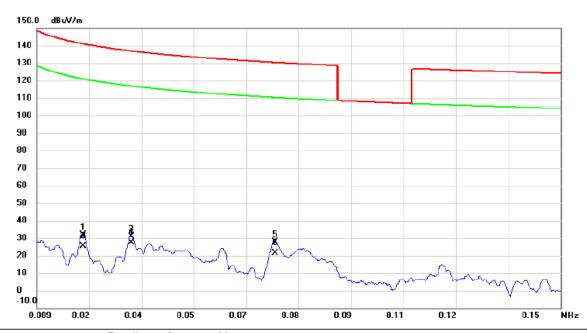
Report No.: BTL-FCCP-2-1608C212 Page 43 of 91





Test Mode: TX Mode (Adapter: Huntkey)

Ant 0°



No. M	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0215	8.30	23.34	31.64	140.96	-109.32	peak	
2	0.0215	2.09	23.34	25.43	120.96	-95.53	AVG	
3	0.0345	9.42	21.73	31.15	136.85	-105.70	peak	
4	0.0345	5.60	21.73	27.33	116.85	-89.52	AVG	
5	0.0732	8.45	19.55	28.00	130.31	-102.31	peak	
6 *	0.0732	1.95	19.55	21.50	110.31	-88.81	AVG	

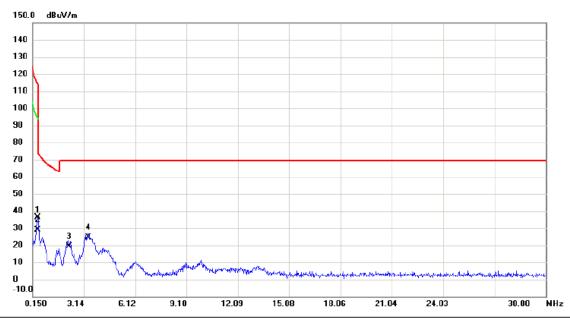
Report No.: BTL-FCCP-2-1608C212 Page 44 of 91





Test Mode: TX Mode (Adapter: Huntkey)

Ant 0°



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.4485	17.93	18.43	36.36	114.57	-78.21	peak	
2	0.4485	10.75	18.43	29.18	94.57	-65.39	AVG	
3	2.2694	1.93	17.56	19.49	69.54	-50.05	QP	
4 *	3.3887	7.04	17.46	24.50	69.54	-45.04	QP	

Report No.: BTL-FCCP-2-1608C212 Page 45 of 91





Test Mode: TX Mode (Adapter: Huntkey) Ant 90° 150.0 dBuV/m 140 130 120 110 100 90 80 70 60 50 40 30 20 10 -10.d 0.009 0.02 0.04 0.05 0.07 0.08 0.09 0.11 0.12 0.15 MHz Reading Correct Measure-No. Mk. Limit Margin Freq. Level Factor ment MHz dBuV dB dBuV/m dBuV/m dB Detector Comment 140.96 0.0215 19.10 23.34 42.44 -98.52 1 peak 2 0.0215 14.36 23.34 37.70 120.96 -83.26 AVG 3 0.0345 17.88 21.73 39.61 136.85 -97.24 peak 0.0345 13.13 21.73 34.86 116.85 -81.99 AVG 4 0.1250 12.19 18.59 30.78 125.67 5 -94.89 peak 6 0.1250 7.26 18.59 25.85 105.67 -79.82 AVG

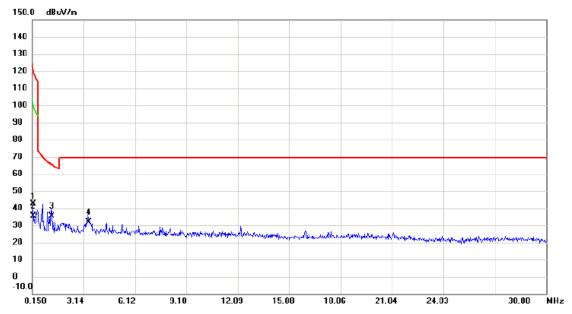
Report No.: BTL-FCCP-2-1608C212





Test Mode: TX Mode (Adapter: Huntkey)

Ant 90°



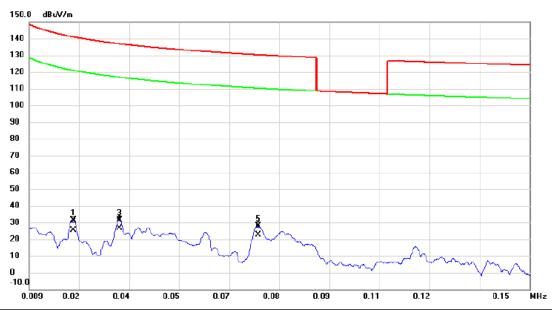
No. Mk.	Freq.	Reading Level		Measure ment	- Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.1948	23.92	18.70	42.62	121.81	-79.19	peak	
2	0.1948	16.61	18.70	35.31	101.81	-66.50	AVG	
3 *	1.2694	17.72	17.74	35.46	65.53	-30.07	QP	
4	3.4186	14.41	17.52	31.93	69.54	-37.61	QP	

Report No.: BTL-FCCP-2-1608C212 Page 47 of 91





Ant 0°



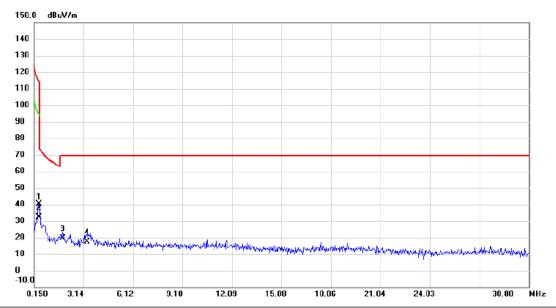
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	- Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0215	8.18	23.34	31.52	140.96	-109.44	peak	
2	0.0215	2.18	23.34	25.52	120.96	-95.44	AVG	
3	0.0345	9.61	21.73	31.34	136.85	-105.51	peak	
4	0.0345	5.03	21.73	26.76	116.85	-90.09	AVG	
5	0.0735	8.37	19.55	27.92	130.28	-102.36	peak	
6 *	0.0735	3.22	19.55	22.77	110.28	-87.51	AVG	

Report No.: BTL-FCCP-2-1608C212 Page 48 of 91





Ant 0°

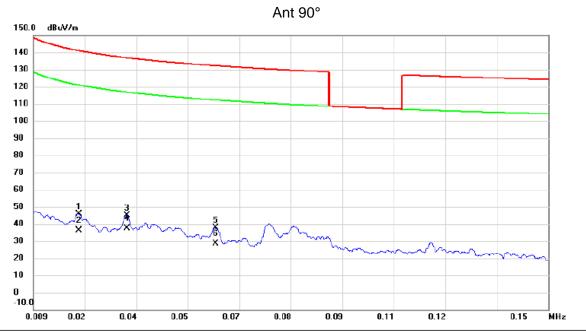


No. Mk.	Freq.	Reading Level	Correct Factor	Measure ment	- Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.4634	21.74	18.41	40.15	114.28	-74.13	peak	
2	0.4634	13.84	18.41	32.25	94.28	-62.03	AVG	
3 *	1.8962	1.42	17.88	19.30	69.54	-50.24	QP	
4	3.3440	-0.14	17.36	17.22	69.54	-52.32	QP	

Report No.: BTL-FCCP-2-1608C212 Page 49 of 91





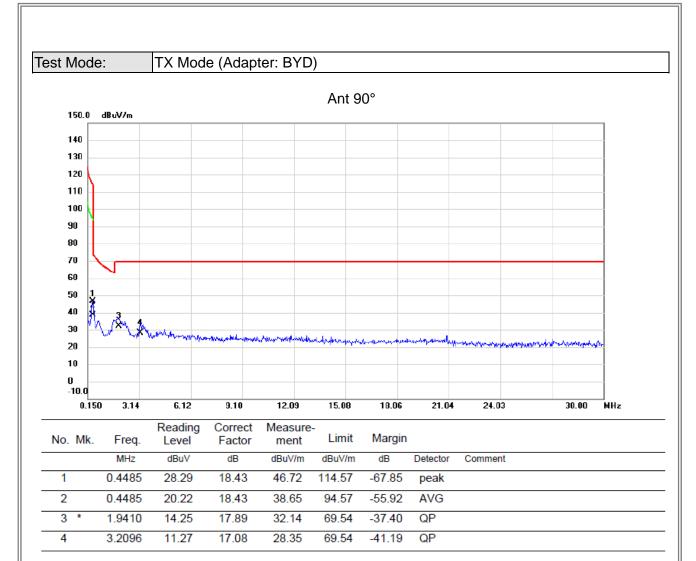


			Margin	- Limit	Measure ment	Correct Factor	Reading Level	Freq.	No. Mk.
	Comment	Detector	dB	dBuV/m	dBuV/m	dB	dBuV	MHz	
		peak	-95.00	140.96	45.96	23.34	22.62	0.0215	1
		AVG	-84.57	120.96	36.39	23.34	13.05	0.0215	2
		peak	-91.70	136.82	45.12	21.72	23.40	0.0346	3
		AVG	-79.38	116.82	37.44	21.72	15.72	0.0346	4 *
		peak	-94.52	132.19	37.67	19.72	17.95	0.0590	5
		AVG	-83.49	112.19	28.70	19.72	8.98	0.0590	6
_		peak AVG peak	-91.70 -79.38 -94.52	136.82 116.82 132.19	45.12 37.44 37.67	21.72 21.72 19.72	23.40 15.72 17.95	0.0346 0.0346 0.0590	3 4 * 5

Report No.: BTL-FCCP-2-1608C212 Page 50 of 91







Report No.: BTL-FCCP-2-1608C212 Page 51 of 91





ATTACHMENT C - RADIATED EMISSION BETWEEN (30MHZ TO 1000MHZ)

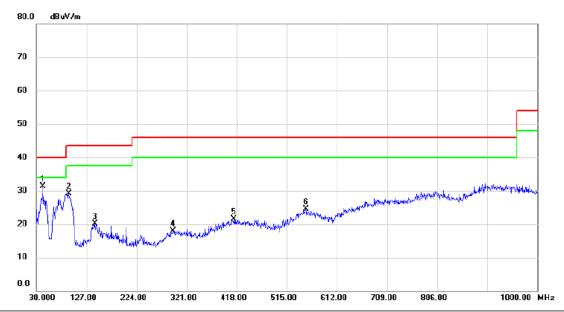
Report No.: BTL-FCCP-2-1608C212 Page 52 of 91





Test Mode: TX 2402MHz (Adapter: Phitek)

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	41.6400	44.84	-13.56	31.28	40.00	-8.72	peak	
2		92.5650	46.56	-17.38	29.18	43.50	-14.32	peak	
3	,	142.5200	33.67	-13.55	20.12	43.50	-23.38	peak	
4	2	294.8100	28.60	-10.72	17.88	46.00	-28.12	peak	
5	4	412.6650	29.41	-7.84	21.57	46.00	-24.43	peak	
6		551.8600	29.04	-4.63	24.41	46.00	-21.59	peak	

Report No.: BTL-FCCP-2-1608C212 Page 53 of 91





Test Mode: TX 2402MHz (Adapter: Phitek)



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	46.0050	34.53	-12.45	22.08	40.00	-17.92	peak	
2		97.4150	38.29	-16.42	21.87	43.50	-21.63	peak	
3		148.8250	37.52	-13.04	24.48	43.50	-19.02	peak	
4		294.8100	29.77	-10.72	19.05	46.00	-26.95	peak	
5		412.6650	29.43	-7.84	21.59	46.00	-24.41	peak	
6		558.1650	30.03	-4.95	25.08	46.00	-20.92	peak	

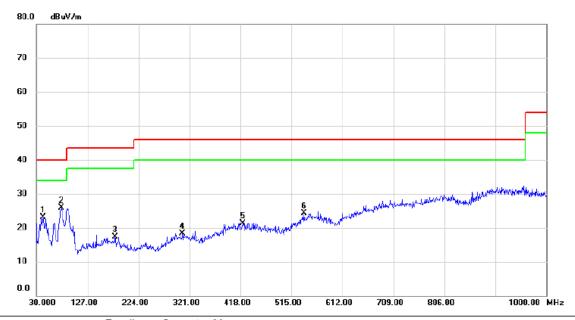
Report No.: BTL-FCCP-2-1608C212 Page 54 of 91





Test Mode: TX 2480MHz (Adapter: Phitek)

Vertical



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		42.1250	36.49	-13.46	23.03	40.00	-16.97	peak	
	2	*	77.0450	42.29	-16.37	25.92	40.00	-14.08	peak	
	3		179.8650	30.17	-12.83	17.34	43.50	-26.16	peak	
_	4	;	307.4200	28.64	-10.32	18.32	46.00	-27.68	peak	
	5	4	422.3650	29.23	-7.88	21.35	46.00	-24.65	peak	
_	6	,	539.2500	29.86	-5.65	24.21	46.00	-21.79	peak	
_										

Report No.: BTL-FCCP-2-1608C212 Page 55 of 91



3

4

5

6

145.4300

294.3250

405.3900

562.0450

36.95

29.40

29.34

30.23

-13.32

-10.78

-7.80

-5.15

23.63

18.62

21.54

25.08

43.50

46.00

46.00

46.00

-19.87

-27.38

-24.46

-20.92

peak

peak

peak

peak



Test Mode: TX 2480MHz (Adapter: Phitek) **Horizontal** 70 60 50 40 30 Ř 20 10 0.0 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz Reading Correct Measure-No. Mk. Freq. Limit Margin Factor Level ment MHz dBuV dB dBuV/m dBuV/m dB Detector Comment 1 45.0350 33.59 -12.75 20.84 40.00 -19.16 peak -21.85 2 96.9300 38.25 -16.60 21.65 43.50 peak

Report No.: BTL-FCCP-2-1608C212





Test Mode: TX 2402MHz (Adapter: Huntkey) **Vertical** 80.0 dBuV∕m 70 60 50 40 30 20 10 0.0 1000.00 MHz 127.00 224.00 321.00 418.00 515.00 612.00 806.00 30.000 709.00 Reading Correct Measure-Limit Margin No. Mk. Freq. Level Factor ment MHz dBuV dB dBuV/m dBuV/m dB Detector Comment 47.9450 40.00 38.11 -13.01 25.10 -14.90 1 peak 2 87.7150 37.86 -17.43 20.43 40.00 -19.57 peak 3 176.9550 35.93 -12.66 23.27 43.50 -20.23 peak 4 291.4150 29.28 -11.10 18.18 46.00 -27.82 peak 427.7000 29.35 -7.90 46.00 -24.55 5 21.45 peak

peak

-21.24

551.8600

29.39

-4.63

24.76

46.00





Test Mode: TX 2402MHz (Adapter: Huntkey)



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
_	1	*	40.6700	36.07	-13.77	22.30	40.00	-17.70	peak	
_	2		164.3450	36.17	-12.19	23.98	43.50	-19.52	peak	
-	3	2	223.5150	32.29	-13.94	18.35	46.00	-27.65	peak	
_	4	2	297.2350	30.46	-10.47	19.99	46.00	-26.01	peak	
_	5	,	397.6300	29.24	-7.94	21.30	46.00	-24.70	peak	
-	6	,	549.9200	29.45	-4.55	24.90	46.00	-21.10	peak	
_										

Report No.: BTL-FCCP-2-1608C212 Page 58 of 91





Test Mode: TX 2480MHz (Adapter: Huntkey) **Vertical** 80.0 dBuV/m70 60 50 40 30 **4** X 20 10 0.0 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz Reading Measure-Correct

	No.	Mk.	Freq.	Level	Factor	ment	Limit	Margin		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1	*	66.8600	40.92	-15.67	25.25	40.00	-14.75	peak	
_	2		156.1000	35.06	-12.46	22.60	43.50	-20.90	peak	
_	3		294.8100	29.26	-10.72	18.54	46.00	-27.46	peak	
_	4		438.8550	30.06	-7.95	22.11	46.00	-23.89	peak	
-	5		555.2550	29.19	-4.81	24.38	46.00	-21.62	peak	
_	6		710.9400	30.80	-2.06	28.74	46.00	-17.26	peak	
-										

Report No.: BTL-FCCP-2-1608C212 Page 59 of 91





Test Mode: TX 2480MHz (Adapter: Huntkey) Horizontal 80.0 dBuV∕m 70 60 50 30 20 10 1000.00 MHz 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00

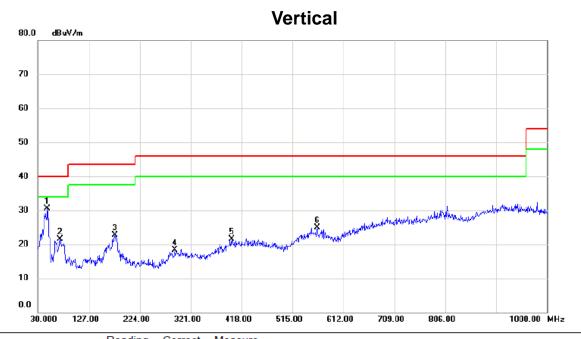
	No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
•			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
•	1	*	40.6700	36.56	-13.77	22.79	40.00	-17.21	peak	
	2		166.7700	34.84	-12.21	22.63	43.50	-20.87	peak	
•	3		296.2650	31.56	-10.57	20.99	46.00	-25.01	peak	
•	4		419.4550	29.82	-7.87	21.95	46.00	-24.05	peak	
•	5		540.2200	29.32	-5.55	23.77	46.00	-22.23	peak	
•	6		703.1800	30.20	-2.09	28.11	46.00	-17.89	peak	

Report No.: BTL-FCCP-2-1608C212 Page 60 of 91





Test Mode: TX 2402MHz (Adapter: BYD)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	47.9450	43.53	-13.01	30.52	40.00	-9.48	peak	
2		72.1950	37.98	-16.55	21.43	40.00	-18.57	peak	
3	1	176.4700	35.30	-12.62	22.68	43.50	-20.82	peak	
4	2	290.9300	29.44	-11.15	18.29	46.00	-27.71	peak	
5	3	398.6000	29.41	-7.88	21.53	46.00	-24.47	peak	
6	Ę	562.5300	30.00	-5.17	24.83	46.00	-21.17	peak	

Report No.: BTL-FCCP-2-1608C212 Page 61 of 91





Test Mode: TX 2402MHz (Adapter: BYD) Horizontal 80.0 dBuV∕m 70 60 50 40 30 20 10 0.0 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz

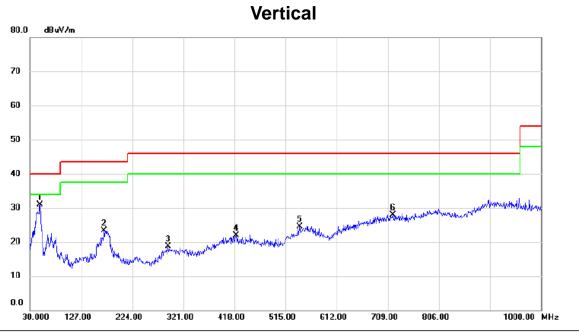
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		44.5500	33.09	-12.90	20.19	40.00	-19.81	peak	
_	2		157.5550	37.17	-12.34	24.83	43.50	-18.67	peak	
	3		287.0500	29.81	-11.49	18.32	46.00	-27.68	peak	
	4		422.3650	30.31	-7.88	22.43	46.00	-23.57	peak	
_	5		547.4950	29.84	-4.80	25.04	46.00	-20.96	peak	
	6	*	697.3600	30.16	-2.21	27.95	46.00	-18.05	peak	

Report No.: BTL-FCCP-2-1608C212 Page 62 of 91





Test Mode: TX 2480MHz (Adapter: BYD)



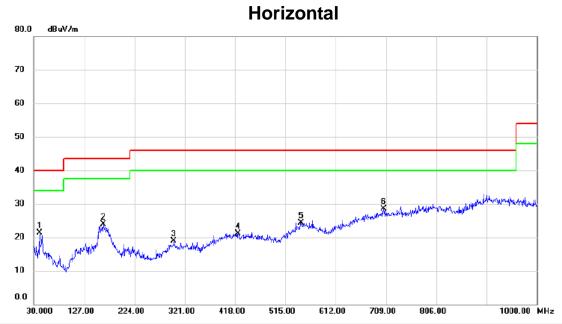
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
_	1	*	48.4300	44.08	-13.11	30.97	40.00	-9.03	peak	
_	2		170.6500	35.63	-12.29	23.34	43.50	-20.16	peak	
	3		292.3850	29.60	-10.99	18.61	46.00	-27.39	peak	
_	4		421.3950	29.74	-7.87	21.87	46.00	-24.13	peak	
_	5		541.6750	29.91	-5.40	24.51	46.00	-21.49	peak	
	6		719.1850	30.01	-2.05	27.96	46.00	-18.04	peak	

Report No.: BTL-FCCP-2-1608C212 Page 63 of 91





Test Mode: TX 2480MHz (Adapter: BYD)



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		40.6700	35.14	-13.77	21.37	40.00	-18.63	peak	
2		163.3750	36.00	-12.18	23.82	43.50	-19.68	peak	
3		300.1450	29.05	-10.16	18.89	46.00	-27.11	peak	
4		424.3050	28.97	-7.89	21.08	46.00	-24.92	peak	
5		545.5550	29.31	-5.00	24.31	46.00	-21.69	peak	
6	*	704.1500	30.64	-2.09	28.55	46.00	-17.45	peak	

Report No.: BTL-FCCP-2-1608C212 Page 64 of 91





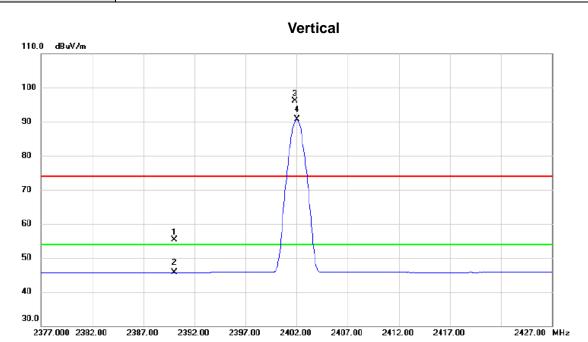
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	

Report No.: BTL-FCCP-2-1608C212 Page 65 of 91





Orthogonal Axis: X
Test Mode: TX 2402MHz

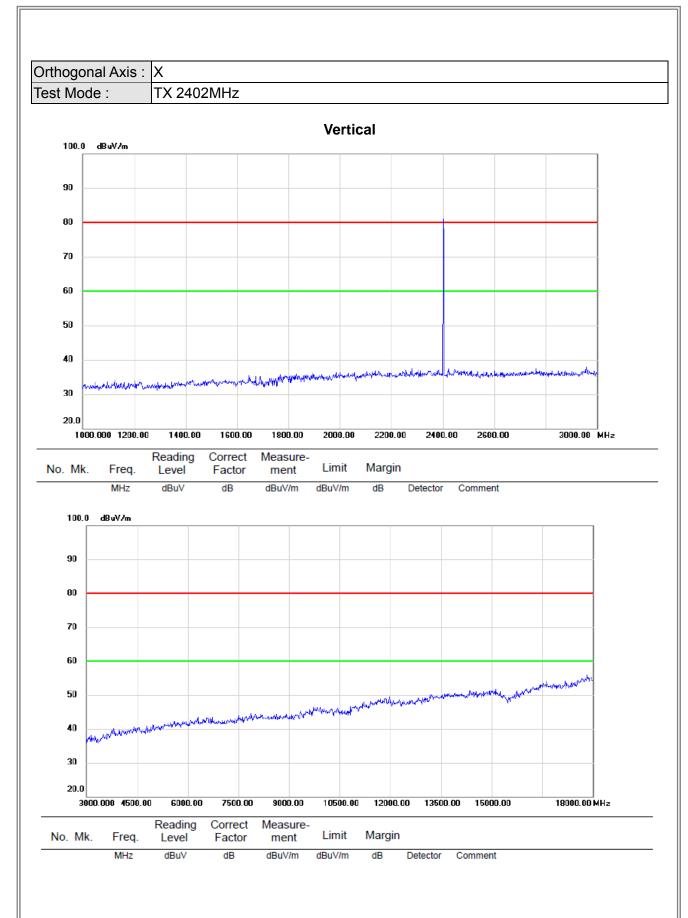


No.	Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	21.48	33.87	55.35	74.00	-18.65	peak	
2		2390.000	11.85	33.87	45.72	54.00	-8.28	AVG	
3	X	2401.800	62.06	33.95	96.01	74.00	22.01	peak	No Limit
4	*	2402.000	56.68	33.95	90.63	54.00	36.63	AVG	No Limit

Report No.: BTL-FCCP-2-1608C212 Page 66 of 91



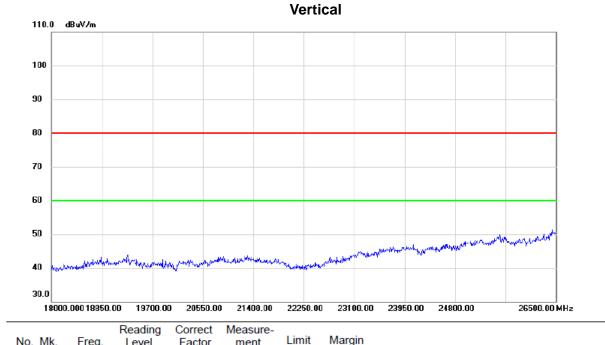








Orthogonal Axis: X Test Mode: TX 2402MHz

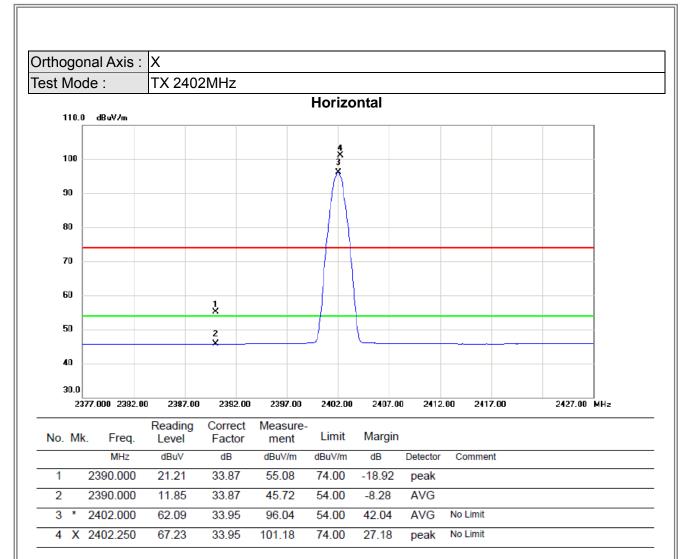


No. Mk.	Freq.			Measure- ment		Margin			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

Report No.: BTL-FCCP-2-1608C212 Page 68 of 91



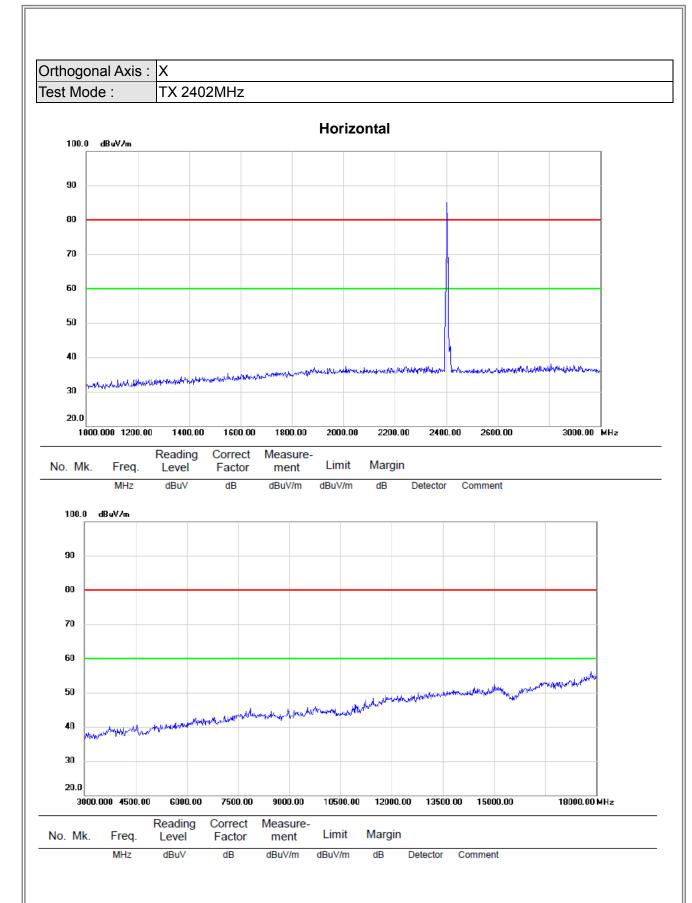




Report No.: BTL-FCCP-2-1608C212 Page 69 of 91



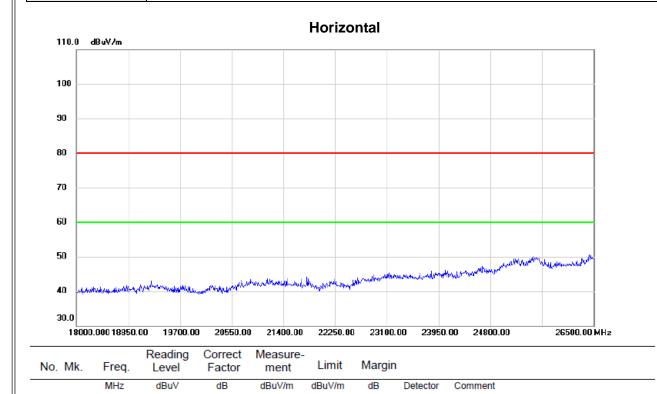








Orthogonal Axis: X
Test Mode: TX 2402MHz

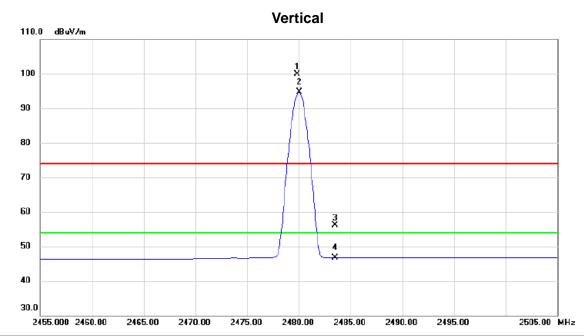


Report No.: BTL-FCCP-2-1608C212 Page 71 of 91





Orthogonal Axis: X
Test Mode: TX 2480MHz

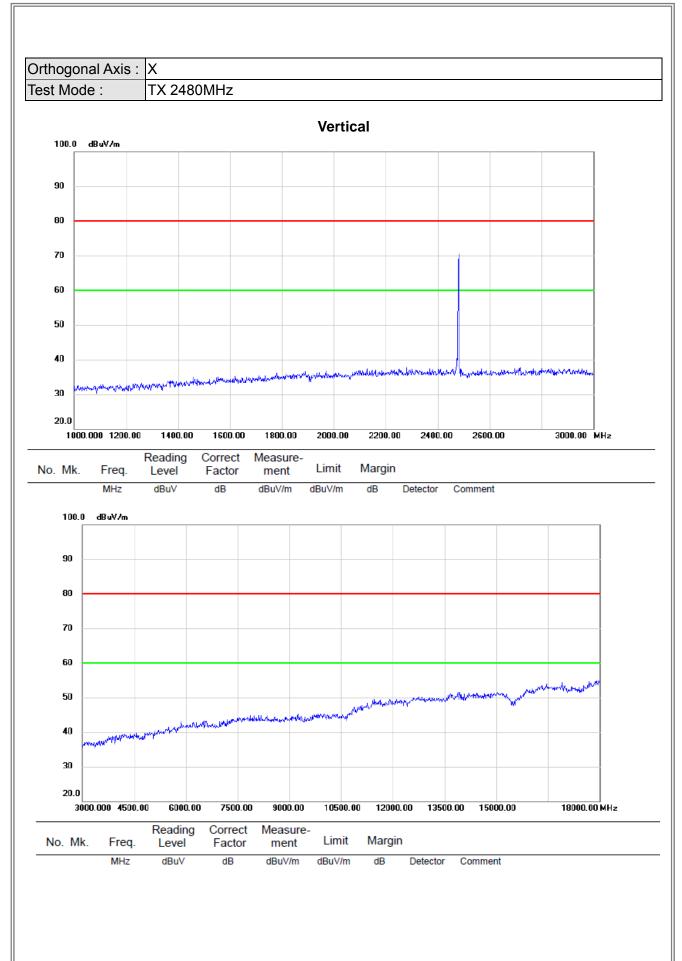


No.	M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2479.800	65.55	34.40	99.95	74.00	25.95	peak	No Limit
2	*	2480.000	60.24	34.40	94.64	54.00	40.64	AVG	No Limit
3		2483.500	21.74	34.41	56.15	74.00	-17.85	peak	
4		2483.500	12.24	34.41	46.65	54.00	-7.35	AVG	

Report No.: BTL-FCCP-2-1608C212 Page 72 of 91



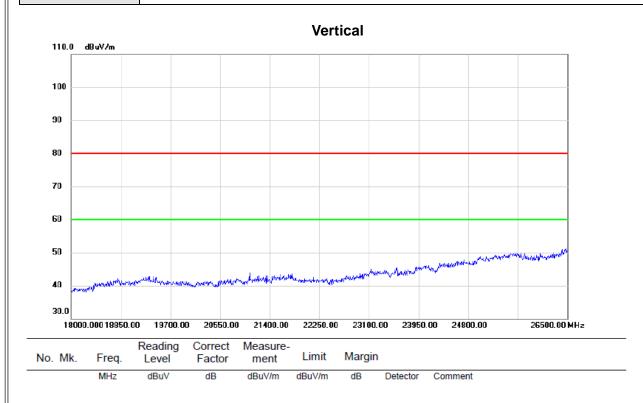








Orthogonal Axis: X
Test Mode: TX 2480MHz

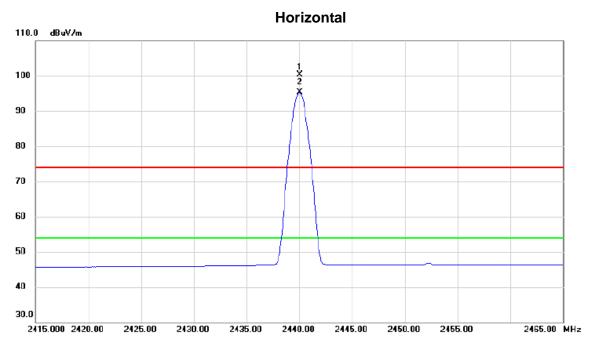


Report No.: BTL-FCCP-2-1608C212 Page 74 of 91





Orthogonal Axis: X
Test Mode: TX 2480MHz

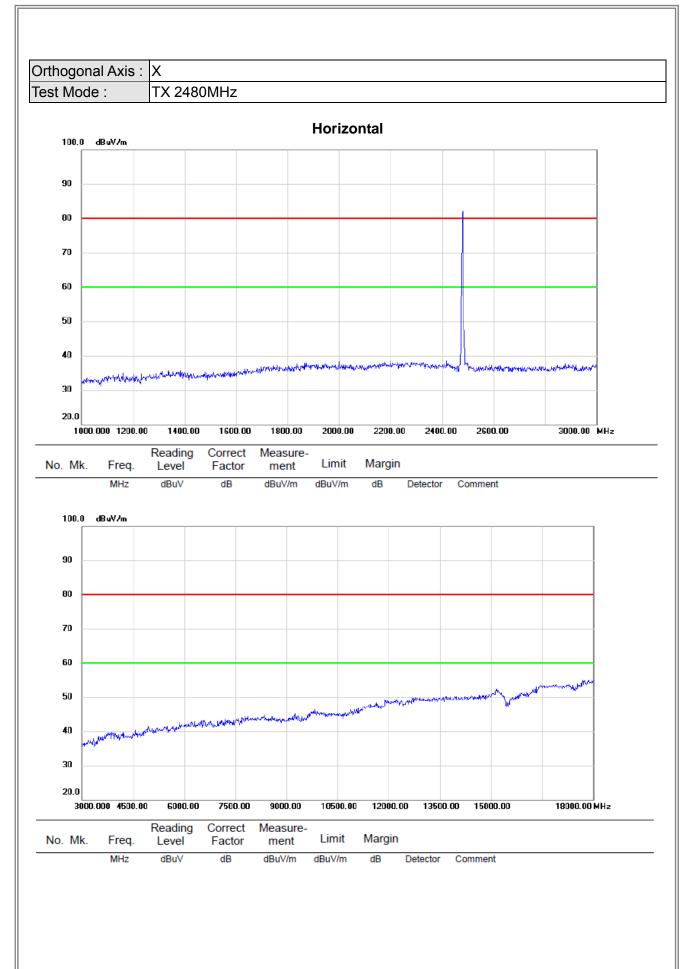


No.	М	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	24	40.000	66.19	34.16	100.35	74.00	26.35	peak	No Limit
2	*	24	40.000	61.15	34.16	95.31	54.00	41.31	AVG	No Limit

Report No.: BTL-FCCP-2-1608C212 Page 75 of 91

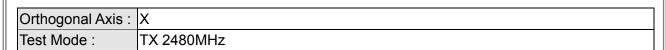


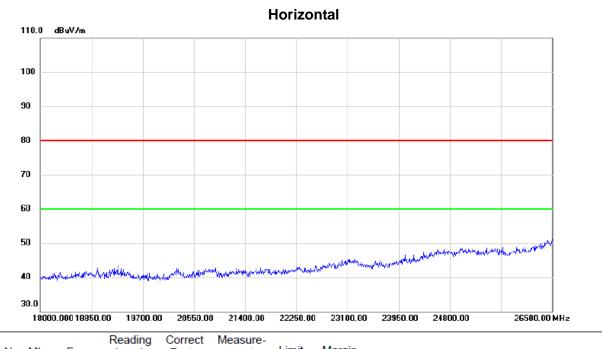












No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin				
•	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment		

Report No.: BTL-FCCP-2-1608C212 Page 77 of 91





ATTACHMENT E - BANDWIDTH				

Report No.: BTL-FCCP-2-1608C212 Page 78 of 91





Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.656	1.072	500	Complies
2440	0.654	1.072	500	Complies
2480	0.653	1.076	500	Complies



Date: 9.SEP.2016 10:15:46

Report No.: BTL-FCCP-2-1608C212 Page 79 of 91





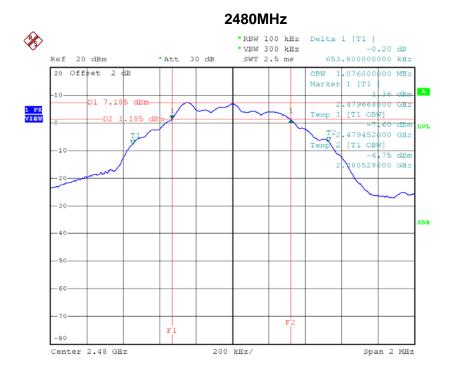


200 kHz/

Span 2 MHz

Date: 9.SEP.2016 10:19:16

Center 2.44 GHz



Date: 9.SEP.2016 10:20:59





ATTACHMENT F - MAXIMUM OUTPUT POWER TEST

Test Mode : TX Mode

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watt)	Max. Limit (dBm)	Max. Limit (Watt)	Test Result
2402	7.57	0.0057	30.00	1.00	Complies
2440	7.25	0.0053	30.00	1.00	Complies
2480	6.58	0.0045	30.00	1.00	Complies

Report No.: BTL-FCCP-2-1608C212 Page 81 of 91



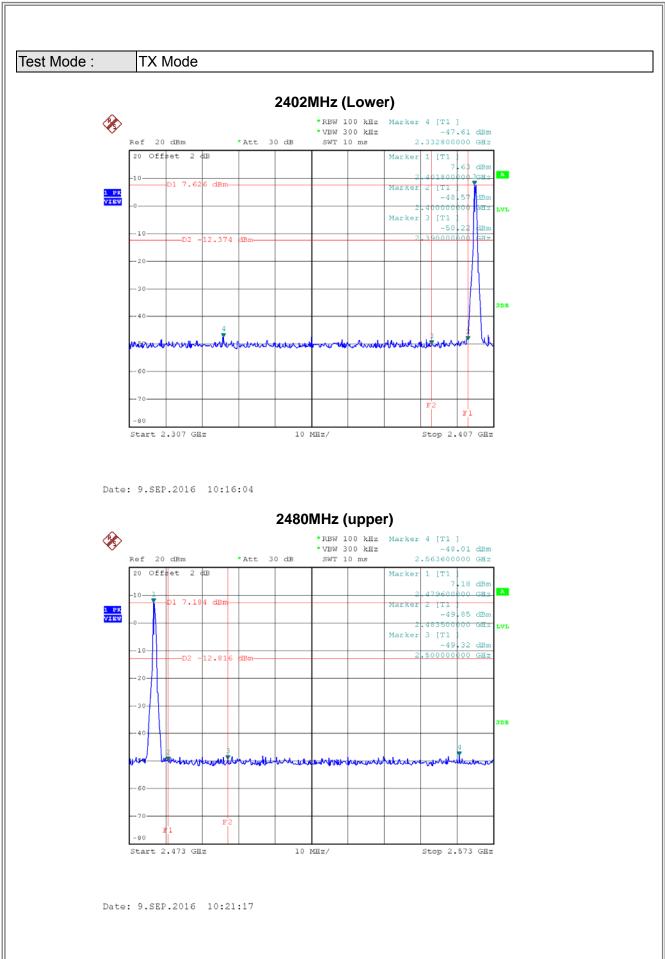


ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

Report No.: BTL-FCCP-2-1608C212 Page 82 of 91





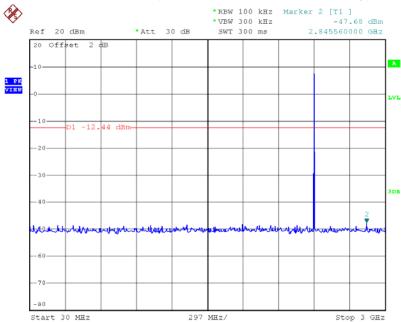


Report No.: BTL-FCCP-2-1608C212

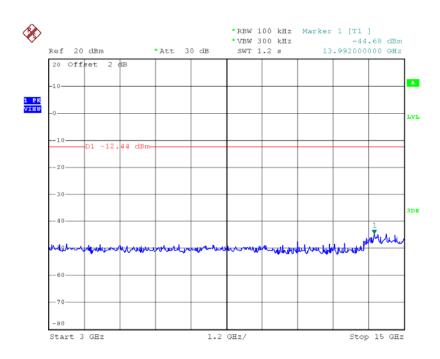








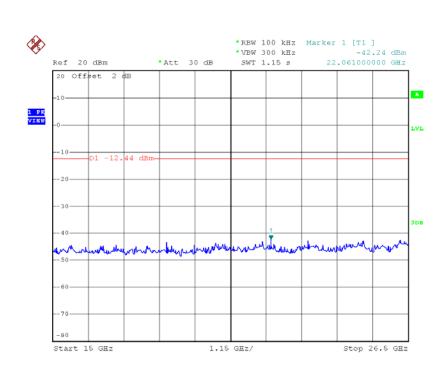
Date: 9.SEP.2016 10:16:18



Date: 9.SEP.2016 10:16:27

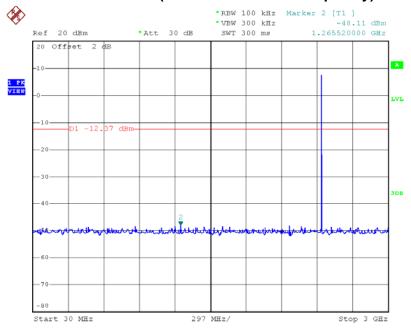






Date: 9.SEP.2016 10:16:35

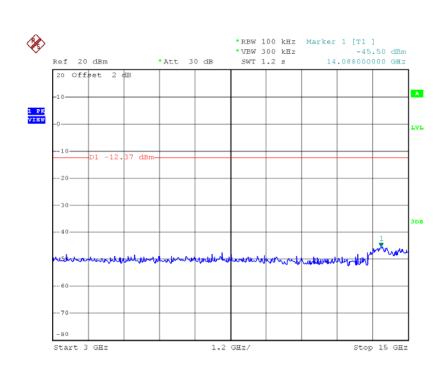
2440MHz (10 Harmonic of the frequency)



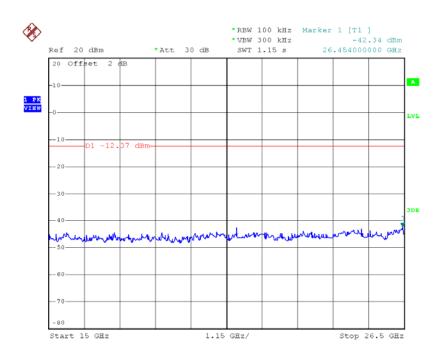
Date: 9.SEP.2016 10:19:29







Date: 9.SEP.2016 10:19:38

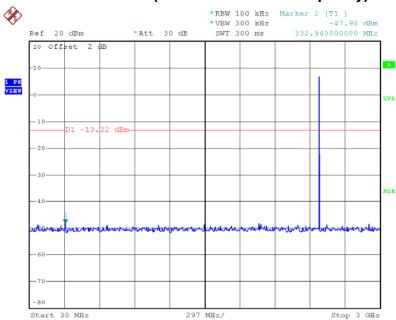


Date: 9.SEP.2016 10:19:46

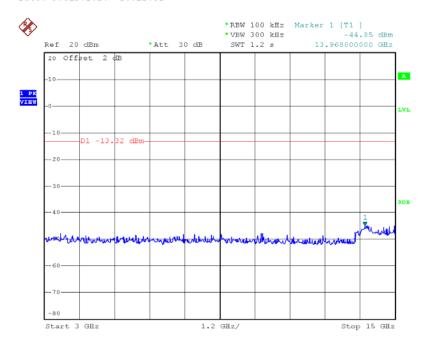








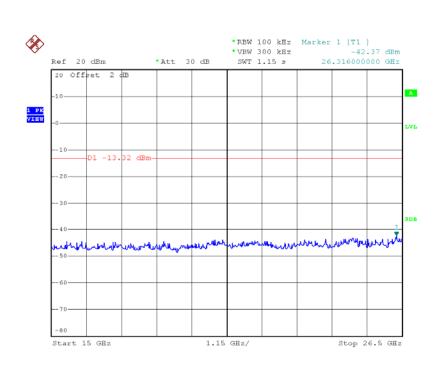
Date: 9.SEP.2016 10:21:31



Date: 9.SEP.2016 10:21:39







Date: 9.SEP.2016 10:21:47





ATTACHMENT H - POWER SPECTRAL DENSITY TEST

Report No.: BTL-FCCP-2-1608C212 Page 89 of 91

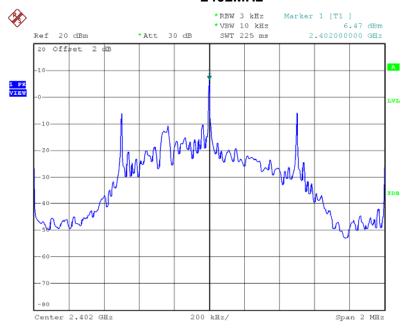




T () A (TV/ 8.4 . I
Test Mode :	IIX Mode
Tool Modo .	177 Mode

Frequency (MHz)	Power Density (dBm)	Max. Limit (dBm)	Result	
2402	6.47	8	Complies	
2440	6.81	8	Complies	
2480	5.80	8	Complies	

2402MHz

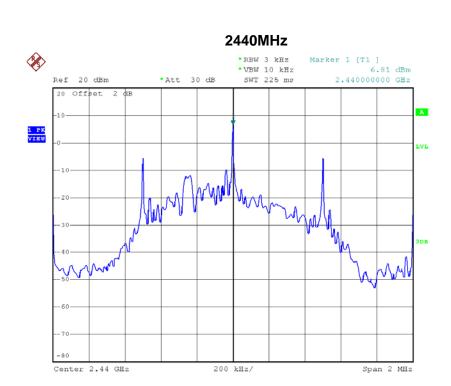


Date: 9.SEP.2016 10:18:25

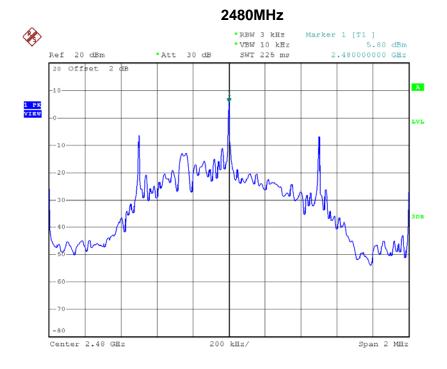
Report No.: BTL-FCCP-2-1608C212 Page 90 of 91







Date: 9.SEP.2016 10:20:03



Date: 9.SEP.2016 10:22:03