



FCC&IC Radio Test Report

FCC ID: 2AAUI-0022769137

IC:11210A-GDIBTSP201

This report concerns (c	heck one):⊠Original Grant
Project No.	: 1702C187

Equipment : ECOSLATE

Test Model for : GDI-EXSLT800

Series Model for: GDI-EXSLT801, GDI-EXSLT802, GDI-EXSLT803, GDI-EXSLT804, GDI-EXSLT805, GDI-EXSLT806, GDI-EXSLT806

GDI-EXSLT807, GDI-EXSLT808, GDI-EXSLT809, GDI-EXSLT810, GDI-EXSLT811, GDI-EXSLT812, GDI-EXSLT813, GDI-EXSLT814, GDI-EXSLT815, GDI-EXSLT816, GDI-EXSLT817, GDI-EXSLT818,

GDI-EXSLT819, GDI-EXSLT820

Applicant: Grace Digital Inc.

Address: 10531 4S Commons Drive #166 Suite #430 San

Diego,CA 92127,United States

Date of Receipt : Feb. 24, 2017

Date of Test : Feb. 24, 2017 ~ Mar. 14, 2017

Issued Date : Mar. 15, 2017
Tested by : BTL Inc.

Testing Engineer : Shawn Kiao) Xioo

Technical Manager : Yourd Mao

(David Mao)

Authorized Signatory : _______

(Steven Lu)

BTL INC.

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

TEL: +86-769-8318-3000FAX: +86-769-8319-6000

Report No.: BTL-FICP-1-1702C187 Page 1 of 117





Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

BTL's report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL**'s authorized written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO Guide17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

Limitation

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-FICP-1-1702C187 Page 2 of 117





Table of Contents	Page
1 . CERTIFICATION	7
2 . SUMMARY OF TEST RESULTS	8
2.1 TEST FACILITY	9
2.2 MEASUREMENT UNCERTAINTY	9
3. GENERAL INFORMATION	10
3.1 GENERAL DESCRIPTION OF EUT	10
3.2 DESCRIPTION OF TEST MODES	12
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	12
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TES	STED 13
3.5 DESCRIPTION OF SUPPORT UNITS	13
4 . EMC EMISSION TEST	14
4.1 CONDUCTED EMISSION MEASUREMENT	14
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
4.1.2 TEST PROCEDURE 4.1.3 DEVIATION FROM TEST STANDARD	14 14
4.1.4 TEST SETUP	14 15
4.1.5 EUT OPERATING CONDITIONS	15
4.1.6 EUT TEST CONDITIONS	15
4.1.7 TEST RESULTS	15
4.2 RADIATED EMISSION MEASUREMENT 4.2.1 RADIATED EMISSION LIMITS	16 16
4.2.2 TEST PROCEDURE	17
4.2.3 DEVIATION FROM TEST STANDARD	17
4.2.4 TEST SETUP	18
4.2.5 EUT OPERATING CONDITIONS 4.2.6 EUT TEST CONDITIONS	19 19
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	19
4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)	19
4.2.9 TEST RESULTS (ABOVE 1000 MHZ)	19
5 . NUMBER OF HOPPING CHANNEL	20
5.1 APPLIED PROCEDURES	20
5.1.1 TEST PROCEDURE	20 20
5.1.2 DEVIATION FROM STANDARD 5.1.3 TEST SETUP	20 20
5.1.4 EUT OPERATION CONDITIONS	20
5.1.5 EUT TEST CONDITIONS	20
5.1.6 TEST RESULTS	20

Report No.: BTL-FICP-1-1702C187





Table of Contents	Page
6 . AVERAGE TIME OF OCCUPANCY	21
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	22
6.1.5 EUT TEST CONDITIONS	22
6.1.6 TEST RESULTS	22
7. HOPPING CHANNEL SEPARATION MEASUREMENT	23
7.1 APPLIED PROCEDURES / LIMIT	23
7.1.1 TEST PROCEDURE	23
7.1.2 DEVIATION FROM STANDARD	23
7.1.3 TEST SETUP	23
7.1.4 EUT TEST CONDITIONS 7.1.5 TEST RESULTS	23 23
8 . BANDWIDTH TEST	24
8.1 APPLIED PROCEDURES	24
8.1.1 TEST PROCEDURE 8.1.2 DEVIATION FROM STANDARD	24 24
8.1.3 TEST SETUP	24 24
8.1.4 EUT OPERATION CONDITIONS	24
8.1.5 EUT TEST CONDITIONS	24
8.1.6 TEST RESULTS	24
9 . PEAKOUTPUT POWER TEST	25
9.1 APPLIED PROCEDURES / LIMIT	25
9.1.1 TEST PROCEDURE	25
9.1.2 DEVIATION FROM STANDARD	25
9.1.3 TEST SETUP	25
9.1.4 EUT OPERATION CONDITIONS 9.1.5 EUT TEST CONDITIONS	25 25
9.1.6 TEST RESULTS	25 25
10 . ANTENNA CONDUCTED SPURIOUS EMISSION	26
10.1 APPLIED PROCEDURES / LIMIT	26
10.1.1 TEST PROCEDURE	26
10.1.2 DEVIATION FROM STANDARD	26
10.1.3 TEST SETUP	26
10.1.4 EUT OPERATION CONDITIONS	26
10.1.5 EUT TEST CONDITIONS	26
10.1.6 TEST RESULTS	26
11 . MEASUREMENT INSTRUMENTS LIST	27

Report No.: BTL-FICP-1-1702C187 Page 4 of 117





Table of Contents	Page
12 . EUT TEST PHOTO	29
ATTACHMENT A - CONDUCTED EMISSION	33
ATTACHMENT B - RADIATED EMISSION (9KHZ-30MHZ)	36
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	41
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	48
ATTACHMENT E - NUMBER OF HOPPING CHANNEL	73
ATTACHMENT F - AVERAGE TIME OF OCCUPANCY	75
ATTACHMENT G - HOPPING CHANNEL SEPARATION MEASUREMENT	88
ATTACHMENT H - BANDWIDTH	93
ATTACHMENT I - PEAK OUTPUT POWER	98
ATTACHMENT J - ANTENNA CONDUCTED SPURIOUS EMISSION	103

Report No.: BTL-FICP-1-1702C187 Page 5 of 117





REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-1-1702C187	Original Issue.	Mar. 15, 2017

Report No.: BTL-FICP-1-1702C187 Page 6 of 117





1. CERTIFICATION

Equipment : ECOSLATE
Brand Name : ECOXGEAR
Test Model for : GDI-EXSLT800

FCC&IC

Series Model GDI-EXSLT801, GDI-EXSLT802, GDI-EXSLT803, GDI-EXSLT804, for FCC GDI-EXSLT805, GDI-EXSLT806, GDI-EXSLT807, GDI-EXSLT808,

GDI-EXSLT809, GDI-EXSLT810, GDI-EXSLT811, GDI-EXSLT812, GDI-EXSLT813, GDI-EXSLT814, GDI-EXSLT815, GDI-EXSLT816, GDI-EXSLT817, GDI-EXSLT818, GDI-EXSLT819, GDI-EXSLT820

Applicant : Grace Digital Inc.

Manufacturer: NEO TELECOM CORPORATION

Address : 7F, 674-24, Anyang Dong, Manan Gu, Anyang City, Kyanggi Do South Korea

Date of Test : Feb. 24, 2017 ~ Mar. 14, 2017

Test Sample : Engineering Sample

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

RSS-247 Issue 1, May 2015 RSS-GEN Issue 4, Nov 2014

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-FICP-1-1702C187) 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).

Report No.: BTL-FICP-1-1702C187 Page 7 of 117





2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15, Subpart C (15.247); RSS-247 Issue 1, May 2015; RSS-GEN Issue 4, Nov					
Standa	rd(s) Section	Test Item	l	Remark	
FCC	IC	rest item	Judgment	Remark	
15.207	RSS-GEN 8.8	Conducted Emission	PASS		
15.247(d)	RSS-247 5.5	Antenna conducted Spurious Emission	PASS		
15.247 (a)(1)	RSS-247 5.1 (2)	Hopping Channel Separation	PASS		
15.247(a)(1)	RSS-247 5.1 (1)	Bandwidth	PASS		
15.247 (b)(1)	RSS-247 5.4 (2)	Peak Output Power	PASS		
15.247(d) 15.209	RSS-247 5.5	Radiated Spurious Emission	PASS		
15.247 (a)(1)(iii)	RSS-247 5.1 (4)	Number of Hopping Frequency	PASS		
15.247 (a)(1)(iii)	RSS-247 5.1 (4)	Dwell Time	PASS		
15.205	RSS-GEN 8.10	Restricted Bands	PASS		
15.203	-	Antenna Requirement	PASS		

Note:

(1)" N/A" denotes test is not applicable in this test report

Report No.: BTL-FICP-1-1702C187 Page 8 of 117





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 BTL's test firm number for IC: 4428B-1

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 $y \pm U$, where expanded uncertainty U is based on astandard uncertainty multiplied by a coverage factor of 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	Н	3.57
		30MHz~200MHz	V	3.82
	B03 CISPR 200MHz~ 1,000MH	30MHz~200MHz	Н	3.78
DG-CB03		200MHz~ 1,000MHz	V	4.10
DG-CB03		200MHz~ 1,000MHz	Н	4.06
		1GHz~18GHz	V	3.12
		1GHz~18GHz	Н	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	Н	4.14

C. Other Measurement:

Test Item	Uncertainty
Conducted Spurious Emission	2.67dB
Hopping Channel Separation	53.46MHz
Peak Output Power	0.95dB
Number of Hopping Frequency	53.46MHz
Temperature	0.08℃
Humidity	1.5%

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-FICP-1-1702C187 Page 9 of 117





3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	ECOSLATE			
Brand Name	ECOXGEAR			
Test Model for FCC&IC	GDI-EXSLT800			
Series Model for FCC	GDI-EXSLT801, GDI-EXSLT802, GDI-EXSLT803, GDI-EXSLT804, GDI-EXSLT805, GDI-EXSLT806, GDI-EXSLT807, GDI-EXSLT808, GDI-EXSLT809, GDI-EXSLT810, GDI-EXSLT811, GDI-EXSLT812, GDI-EXSLT813, GDI-EXSLT814, GDI-EXSLT815, GDI-EXSLT816, GDI-EXSLT817, GDI-EXSLT818, GDI-EXSLT819, GDI-EXSLT820			
Model Difference	Only differ in color.			
	Operation Frequency	2402~2480 MHz		
	Modulation Technology	GFSK(1Mbps) π/4-DQPSK(2Mbps)		
Output Power (Max.)	Bit Rate of Transmitter	8-DPSK(3Mbps)		
	Output Power Max. 4.65 dBm(1Mbps) 4.73 dBm(3Mbps)			
PowerSource	1# DC Voltage supplied from AC/DC adapter. Brand / Model: SUNLIGHT ELECTRONIC / GA050100 2# Battery supplied. Model: BLVDS101-26 1# I/P: 100-240V~ 50/60Hz 0.30A O/P: 5.0V1.0A 2# 3.7V 2600mAh			
Power Rating				

Note:

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

Report No.: BTL-FICP-1-1702C187 Page 10 of 117





2. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

3 Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Printed	N/A	0

Report No.: BTL-FICP-1-1702C187 Page 11 of 117





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 ModeNote (1)

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

For Conducted Emission	
Final Test Mode	Description
Mode 1	TX Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	TXMode Note (1)

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) The measurements for Hopping Channel Separation, Bandwidth and Peak Output Powerwere tested during 1Mbps, 2Mbps and 3Mbps, the worst case are 1Mbps and 3Mbps, onlyworst case was documented.

3.3TABLE 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 FHSS

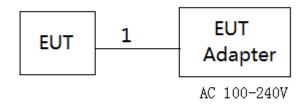
Test Software Version	BlueTest3		
Frequency	2402 MHz	2441 MHz	2480 MHz
Parameters(1Mbps)	41	10	1
Parameters(3Mbps)	51	31	23

Report No.: BTL-FICP-1-1702C187 Page 12 of 117





3.4BLOCKDIAGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED



3.5DESCRIPTION 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	DC Cable

Report No.: BTL-FICP-1-1702C187 Page 13 of 117





4.EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Fraguency of Emission (MHz)	Conducted Limit (dBμV)		
Frequency of Emission (MHz)	Quasi-peak	Average	
0.15 -0.50	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 = Insertion Loss + Cable Loss + Attenuator Factor(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 equipmentpowered 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 groundplane 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.

4.1.3DEVIATIONFROMTESTSTANDARD

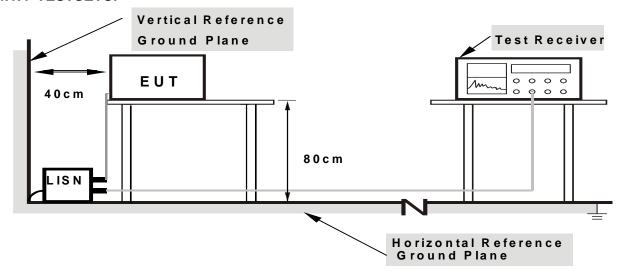
No deviation

Report No.: BTL-FICP-1-1702C187 Page 14 of 117





4.1.4 TESTSETUP



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

4.1.5EUT OPERATINGCONDITIONS

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

4.1.6EUT TEST CONDITIONS

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

4.1.7TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note. 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.

Report No.: BTL-FICP-1-1702C187 Page 15 of 117





4.2 RADIATED EMISSION MEASUREMENT

4.2.1RADIATED EMISSION LIMITS (Frequency Range 9KHz -1000MHz)

In case the emission fall within the restricted band specified on 15.205(a) & RSS-2475.5, then the 15.209(a) & RSS-Gen limit in the table below has to be followed.

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)

Fraguency (MHz)	(dBuV/m) (at 3 meters)	
Frequency (MHz)	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C/RSS-247.
- (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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Report No.: BTL-FICP-1-1702C187 Page 16 of 117





Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW	ANUL / ANUL for Dools A MUL / ADUL for Asserts
(emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

Spectrum Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz ~90KHzfor PK/AVG detector
Start ~ Stop Frequency	90KHz ~110KHzfor QP detector
Start ~ Stop Frequency	110KHz ~490KHzfor PK/AVG detector
Start ~ Stop Frequency	490KHz ~30MHzfor 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 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 0.8m or 1.5m; 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.

4.2.3DEVIATIONFROMTESTSTANDARD

No deviation

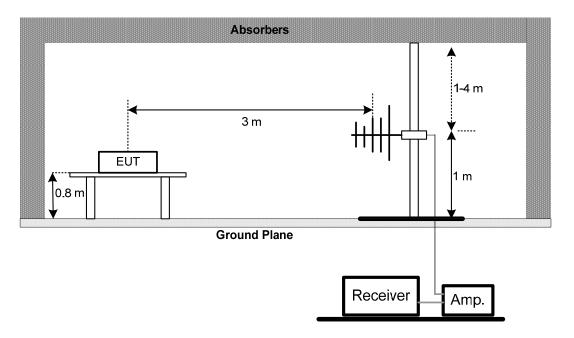
Report No.: BTL-FICP-1-1702C187 Page 17 of 117



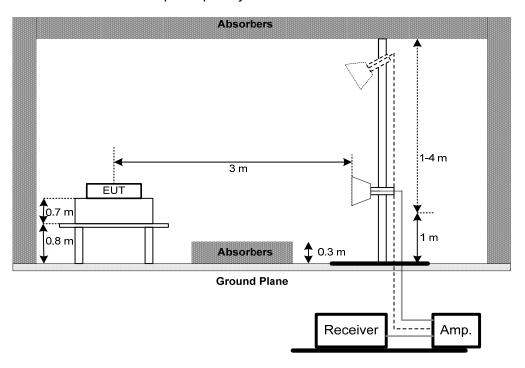


4.2.4 TESTSETUP

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



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

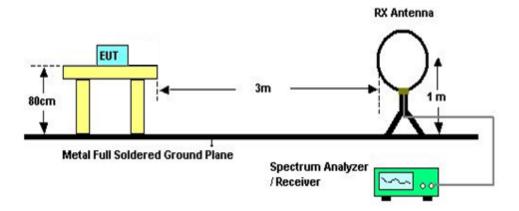


Report No.: BTL-FICP-1-1702C187 Page 18 of 117





(C) For Radiated Emissions Below 30MHz



4.2.5EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6EUT TEST CONDITIONS

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

4.2.7 TEST 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.

4.2.8 TEST RESULTS(30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS(ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

(1) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output test.

Report No.: BTL-FICP-1-1702C187 Page 19 of 117





5.NUMBER OF HOPPING CHANNEL

5.1APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247				
Section Test Item Frequency Range (MHz) Result				
15.247(a)(1)(iii) Number of Hopping RSS-247 5.1 (4) Channel		2400-2483.5	PASS	

Spectrum Parameters	Setting	
Attenuation	Auto	
Span Frequency	> Operating Frequency Range	
RBW	100KHz	
VBW	100KHz	
Detector	Peak	
Trace Max Hold		
Sweep Time	eep Time Auto	

5.1.1TEST 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=100KHz, Sweep time = Auto.

5.1.2DEVIATION FROM STANDARD

No deviation.

5.1.3TEST SETUP



5.1.4EUT 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.

5.1.5EUT TEST CONDITIONS

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

5.1.6TEST RESULTS

Please refer to the Attachment E

Report No.: BTL-FICP-1-1702C187 Page 20 of 117





6.AVERAGE TIME OF OCCUPANCY

6.1APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247					
Section Test Item Limit Frequency Range (MHz) Result					
15.247(a)(1)(iii) RSS-247 5.1 (4)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS	

6.1.1TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- C. Use a video trigger with the trigger level set to enabletriggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- q. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum 1600/79/6 = 3.37 hops per second in each channel (5 time slotsTX, 1 time slot RX).So, the dwell time is the time duration of the pulse times $3.37 \times 31.6 = 106.6$ within 31.6 seconds.
- j. DH3 Packet permit maximum 1600 / 79 / 4 = 5.06 hops per second in each channel (3 time slotsTX, 1 time slot RX).So, the dwell time is the time duration of the pulse times 5.06 x 31.6 = 160 within 31.6 seconds.
- k. DH1 Packet permit maximum 1600 / 79 /2 = 10.12 hops per second in each channel (1 time slot TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times 10.12 x 31.6 = 320 within 31.6 seconds.

6.1.2DEVIATION FROM STANDARD

No deviation.

6.1.3TEST SETUP

EUT	SPECTRUM
	ANALYZER

Report No.: BTL-FICP-1-1702C187 Page 21 of 117





6.1.4EUT 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.

6.1.5EUT TEST CONDITIONS

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

6.1.6TEST RESULTS

Please refer to the Attachment F

Report No.: BTL-FICP-1-1702C187 Page 22 of 117





7.HOPPING CHANNEL SEPARATION MEASUREMENT

7.1APPLIED PROCEDURES /LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 KHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

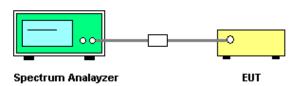
7.1.1TEST PROCEDURE

- a. The EUT must have its hopping function enabled
- b. Span = wide enough to capture the peaks of two adjacent channels Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span Video (or Average) Bandwidth (VBW) ≥ RBW Sweep = Auto Detector function = Peak Trace = Max Hold

7.1.2DEVIATION FROM STANDARD

No deviation.

7.1.3TEST SETUP



7.1.4EUT TEST CONDITIONS

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

7.1.5TEST RESULTS

Please refer to the Attachment G

Report No.: BTL-FICP-1-1702C187 Page 23 of 117





8.BANDWIDTH TEST

8.1APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247			
Section Test Item Frequency Ration (MHz)			
15.247(a)(2) RSS-GEN 6.6 RSS-247 5.1 (1)	Bandwidth	2400-2483.5	

Spectrum Parameter	Setting		
Attenuation	Auto		
Span Frequency	> Measurement Bandwidth or Channel Separation		
RBW	30KHz (20dB Bandwidth) / 30KHz (Channel Separation)		
VBW	100KHz (20dB Bandwidth) / 100KHz (Channel Separation)		
Detector	Peak		
Trace	Max Hold		
Sweep Time	Auto		

8.1.1TEST 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= 30KHz, VBW=100KHz, Sweep Time = Auto.

8.1.2DEVIATION FROM STANDARD

No deviation.

8.1.3TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

8.1.4EUT 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.

8.1.5EUT TEST CONDITIONS

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

8.1.6TEST RESULTS

Please refer to the Attachment H

Report No.: BTL-FICP-1-1702C187 Page 24 of 117





9.PEAKOUTPUT POWER TEST

9.1APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C/ RSS-247				
Section	Test Item	Frequency Range (MHz)	Result	
15.247(b)(1) RSS-247 5.4 (2)	Peak Output Power	1 Watt or 30dBm (hopping channel >75) 0.125Watt or 21dBm (hopping channel <75	2400-2483.5	PASS

9.1.1TEST 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= 1MHz/3MHz, VBW= 1MHz/3MHz, Sweep time = Auto.

9.1.2DEVIATION FROM STANDARD

No deviation.

9.1.3TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

9.1.4EUT 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.

9.1.5EUT TEST CONDITIONS

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

9.1.6TEST RESULTS

Please refer to the Attachment I

Report No.: BTL-FICP-1-1702C187 Page 25 of 117





10.ANTENNA CONDUCTED SPURIOUS EMISSION

10.1APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum ordigitally modulated device is operating, the RF power that is produced 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 or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

10.1.1TEST 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=100KHz, Sweep time = Auto.
- c. Offset=antenna gain+cable loss

10.1.2DEVIATION FROM STANDARD

No deviation.

10.1.3TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

10.1.4EUT 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.

10.1.5EUT TEST CONDITIONS

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

10.1.6TEST RESULTS

Please refer to the Attachment J

Report No.: BTL-FICP-1-1702C187 Page 26 of 117





11. MEASUREMENT INSTRUMENTS LIST

	Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until	
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017	
2	LISN	EMCO	3816/2	52765	Mar. 27, 2017	
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 27, 2017	
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 27, 2017	
5	Cable	emci	RG223(9KHz-30 MHz)(5m)	N/A	Mar. 10, 2017	
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	

	Radiated Emission Measurement									
Item										
1	Antenna	Intenna Schwarbeck		9160-3232	Mar. 27, 2017					
2	Amplifier HP		8447D	2944A09673	Oct. 20, 2017					
3	Receiver Agilent N9038A		N9038A	MY52130039	Sep. 04, 2017					
4			LMR-400(30MH z-1GHz)(8m+5m)	N/A	Jun. 27, 2017					
5	Controller	СТ	N/A	N/A						
6	Controller MF MF-		MF-7802	MF780208416	N/A					
7	Measurement Software	l Farad		N/A	N/A					
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017					
9	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017					
10	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017					
11	Antenna	EM	EM-6876-1	230	Jul. 08, 2017					
12	Controller	СТ	SC100	N/A	N/A					
13	Controller	MF	MF-7802	MF780208416	N/A					
14	Cable	emci	EMC104-SM-S M-12000(12m)	N/A	Jul. 06, 2017					

Report No.: BTL-FICP-1-1702C187 Page 27 of 117





Number of Hopping Channel							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017		

Average Time of Occupancy							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017		

Hopping Channel Separation Measurement							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017		

Bandwidth							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017		

Peak Output Power							
Item	em Kind of Equipment Manufacturer Type No. Serial No. Calibrated ur						
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017		

Antenna Conducted Spurious Emission								
Iten	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until			
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017			

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

All calibration period of equipment list is one year.

Report No.: BTL-FICP-1-1702C187 Page 28 of 117





12.EUT TEST PHOTO







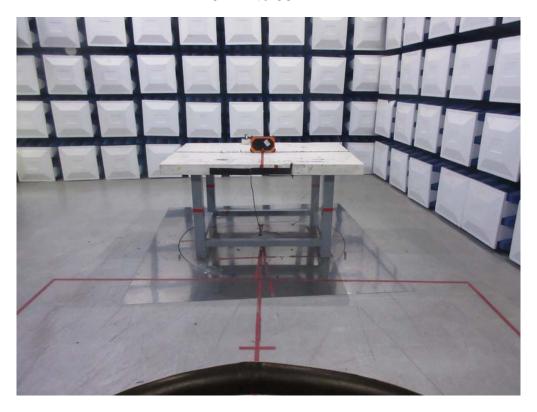
Report No.: BTL-FICP-1-1702C187 Page 29 of 117





Radiated Measurement Photos

9KHz to 30MHz





Report No.: BTL-FICP-1-1702C187 Page 30 of 117





Radiated Measurement Photos

30MHz to 1000MHz





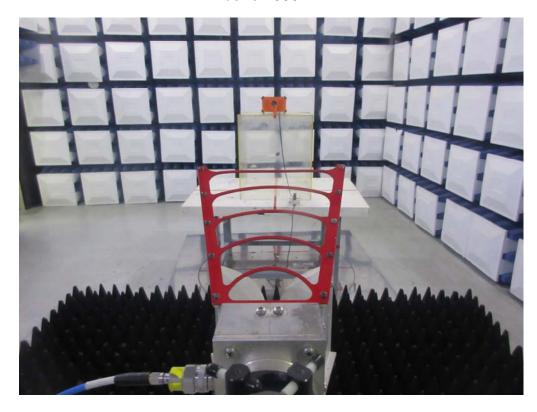
Report No.: BTL-FICP-1-1702C187 Page 31 of 117





Radiated Measurement Photos

Above 1000MHz





Report No.: BTL-FICP-1-1702C187 Page 32 of 117





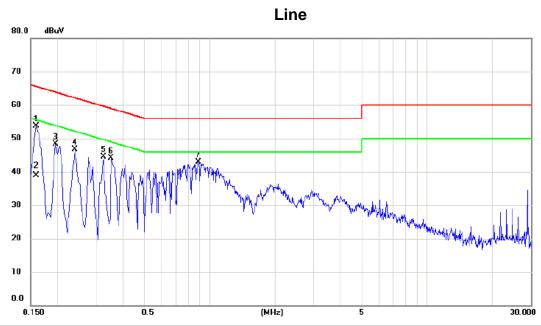
ATTACHMENT A - CONDUCTED EMISSION

Report No.: BTL-FICP-1-1702C187 Page 33 of 117





Test Mode: TX Mode



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.159	44.23	9.57	53.80	65.52	-11.72	peak	
2	0.159	29.33	9.57	38.90	55.52	-16.62	AVG	
3	0.195	38.68	9.57	48.25	63.82	-15.57	peak	
4	0.240	37.18	9.57	46.75	62.10	-15.35	peak	
5	0.326	35.00	9.58	44.58	59.57	-14.99	peak	
6	0.352	34.50	9.58	44.08	58.90	-14.82	peak	
7	0.888	33.15	9.83	42.98	56.00	-13.02	peak	

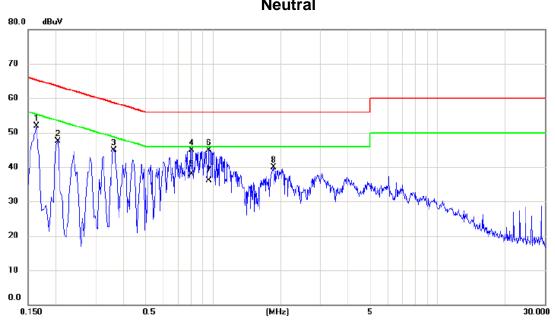
Report No.: BTL-FICP-1-1702C187 Page 34 of 117





Test Mode: TX Mode

Neutral



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.164	42.48	9.50	51.98	65.28	-13.30	peak	
2	0.204	37.85	9.57	47.42	63.45	-16.03	peak	
3	0.361	35.43	9.56	44.99	58.69	-13.70	peak	
4	0.802	35.36	9.62	44.98	56.00	-11.02	peak	
5 *	0.802	28.33	9.62	37.95	46.00	-8.05	AVG	
6	0.960	35.11	9.74	44.85	56.00	-11.15	peak	
7	0.960	26.45	9.74	36.19	46.00	-9.81	AVG	
8	1.860	30.01	9.80	39.81	56.00	-16.19	peak	

Report No.: BTL-FICP-1-1702C187 Page 35 of 117





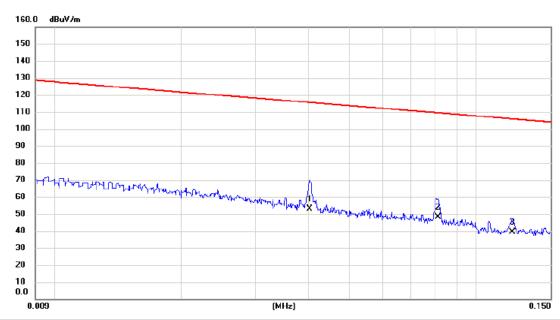
ATTACHMENT B - RADIATED EMISSION (9KHZ-30MHZ)

Report No.: BTL-FICP-1-1702C187 Page 36 of 117





Ant 0°



No. Mk.	Freq.		Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.040	32.13	21.02	53.15	115.50	-62.35	AVG	
2 *	0.081	28.86	19.26	48.12	109.41	-61.29	AVG	
3	0.122	20.71	18.56	39.27	105.89	-66.62	AVG	

Report No.: BTL-FICP-1-1702C187 Page 37 of 117





Ant 0°



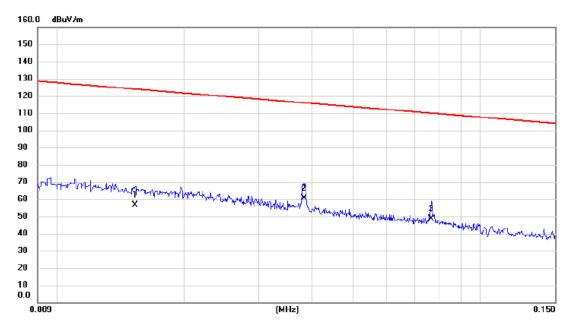
No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.190	29.49	18.70	48.19	102.01	-53.82	AVG	
2 *	2.346	32.00	17.46	49.46	69.54	-20.08	QP	
3	4.696	31.60	17.31	48.91	69.54	-20.63	QP	

Report No.: BTL-FICP-1-1702C187 Page 38 of 117





Ant 90°



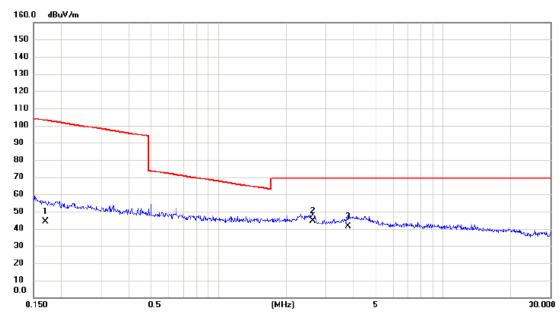
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.015	32.62	23.80	56.42	123.91	-67.49	AVG	
2 *	0.038	39.40	21.25	60.65	115.92	-55.27	AVG	
3	0.077	29.30	19.46	48.76	109.92	-61.16	AVG	

Report No.: BTL-FICP-1-1702C187 Page 39 of 117





Ant 90°



No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.170	25.51	18.72	44.23	102.98	-58.75	AVG	
2 *	2.622	27.33	17.11	44.44	69.54	-25.10	QP	
3	3.779	23.20	18.29	41.49	69.54	-28.05	QP	

Report No.: BTL-FICP-1-1702C187 Page 40 of 117





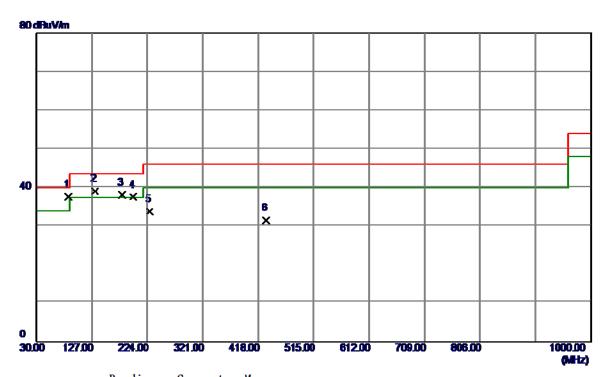
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)

Report No.: BTL-FICP-1-1702C187 Page 41 of 117





Vertical



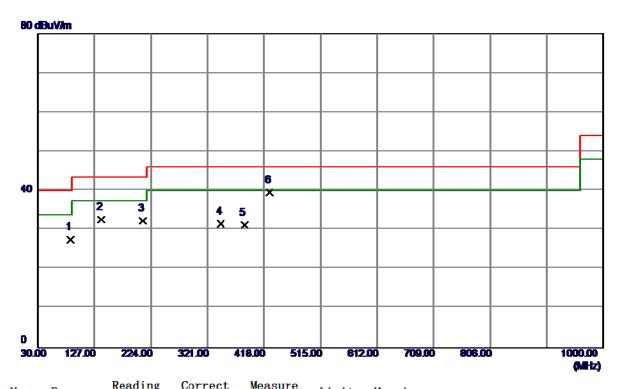
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MIIz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	85. 7750	53. 83	-16. 26	37. 57	40.00	-2.43	Peak	
2	132. 8200	50. 43	-11. 35	39. 08	43.50	-4.4 2	Peak	
3	179.8650	50. 19	-12. 13	38. 06	43.50	-5. 44	Peak	
4	199. 7500	51. 15	-13. 63	37. 52	43.50	-5. 9 8	Peak	
5	227. 8800	46. 94	-13. 14	33.80	46.00	-12. 20	Peak	
6	432. 0650	38. 59	-7. 12	31.47	46.00	-14. 53	Peak	

Report No.: BTL-FICP-1-1702C187 Page 42 of 117





Horizontal



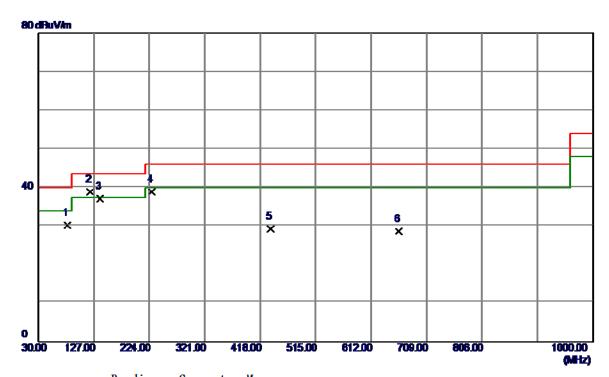
Freq.	Level	Factor	measure	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
85. 7750	43. 85	-16. 26	27. 59	40.00	-12.41	Peak	
139. 1250	44. 41	-11. 81	32. 60	43. 50	-10. 90	Peak	
209. 9350	46. 48	-14. 10	32. 38	43. 50	-11. 12	Peak	
343. 7950	42. 26	-10. 67	31. 59	46.00	-14. 41	Peak	
384. 0500	39. 54	-8. 34	31. 20	46.00	-14. 80	Peak	
428, 1850	46. 61	-7. 13	39. 48	46. 00	-6. 52	Peak	
	MHz 85. 7750 139. 1250 209. 9350 343. 7950 384. 0500	MHz dBuV/m	MHz dBuV/m dB 85.7750 43.85 -16.26 139.1250 44.41 -11.81 209.9350 46.48 -14.10 343.7950 42.26 -10.67 384.0500 39.54 -8.34	MHz dBuV/m dB dBuV/m 85.7750 43.85 -16.26 27.59 139.1250 44.41 -11.81 32.60 209.9350 46.48 -14.10 32.38 343.7950 42.26 -10.67 31.59 384.0500 39.54 -8.34 31.20	Hreq. Level Factor ment L1M1t MHz dBuV/m dB dBuV/m dBuV/m 85.7750 43.85 -16.26 27.59 40.00 139.1250 44.41 -11.81 32.60 43.50 209.9350 46.48 -14.10 32.38 43.50 343.7950 42.26 -10.67 31.59 46.00 384.0500 39.54 -8.34 31.20 46.00	MHz dBuV/m dB dBuV/m dBuV/m dB 85.7750 43.85 -16.26 27.59 40.00 -12.41 139.1250 44.41 -11.81 32.60 43.50 -10.90 209.9350 46.48 -14.10 32.38 43.50 -11.12 343.7950 42.26 -10.67 31.59 46.00 -14.41 384.0500 39.54 -8.34 31.20 46.00 -14.80	MHz dBuV/m dB dBuV/m dBuV/m dB Detector 85.7750 43.85 -16.26 27.59 40.00 -12.41 Peak 139.1250 44.41 -11.81 32.60 43.50 -10.90 Peak 209.9350 46.48 -14.10 32.38 43.50 -11.12 Peak 343.7950 42.26 -10.67 31.59 46.00 -14.41 Peak 384.0500 39.54 -8.34 31.20 46.00 -14.80 Peak

Report No.: BTL-FICP-1-1702C187 Page 43 of 117





Vertical



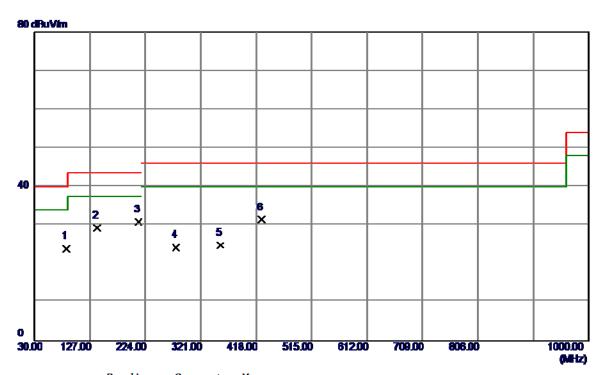
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MIIz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	80. 4400	47. 03	-16. 72	30. 31	40.00	-9. 69	Peak	
2 *	120. 6950	51. 34	-12 . 50	38.84	43.50	-4. 66	Peak	
3	137.6700	48. 85	-11. 7 1	37. 14	43.50	-6. 36	Peak	
4	228. 3650	51. 95	-13. 09	38.86	46.00	−7. 14	Peak	
5	435. 9450	36. 37	-7. 11	29. 26	46.00	-16. 74	Peak	
6	660. 0150	30. 12	-1.48	28.64	46.00	-17. 36	Peak	

Report No.: BTL-FICP-1-1702C187 Page 44 of 117





Horizontal



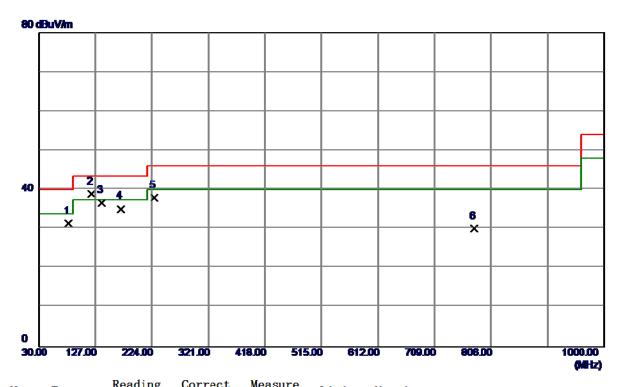
No.	Freq.	Reading Leve1	Correct Factor	Measure ment	Limit	Margin		
	MIIz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	85. 7750	40. 18	-16. 26	23. 92	40.00	−16. 08	Peak	
2	140. 0950	41. 12	-11. 88	29. 24	43. 50	-14.26	Peak	
3 *	212. 3600	44.92	-14.07	30. 85	43. 50	-12.65	Peak	
4	277. 8350	36.03	-11. 79	24. 24	46.00	-21.76	Peak	
5	355. 9200	35. 13	-10. 35	24. 78	46. 00	-21.22	Peak	
6	428. 1850	38. 57	-7. 13	31. 44	46. 00	-14. 56	Peak	

Report No.: BTL-FICP-1-1702C187 Page 45 of 117





Vertical



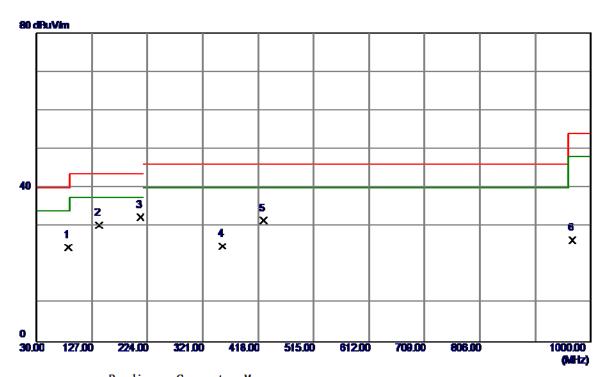
No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	80. 4400	48. 0 3	-16. 72	31. 31	40.00	-8. 69	Peak	
2 *	120.6950	51. 34	-12. 50	38. 84	43. 50	-4. 66	Peak	
3	137.6700	48. 35	-11.71	36. 64	43. 50	-6. 86	Peak	
4	171. 1350	45.99	-10.87	35. 12	43. 50	-8. 38	Peak	
5	228. 3650	50.9 5	-13. 09	37. 86	46.00	-8. 14	Peak	
6	777. 3850	30. 15	-0. 06	30. 09	46. 00	-15. 91	Peak	

Report No.: BTL-FICP-1-1702C187 Page 46 of 117





Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MIIz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	85. 7750	40.68	-16. 26	24. 42	40.00	-15.58	Peak	
2	140. 0950	42. 12	-11. 88	30. 24	43. 50	-13. 26	Peak	
3 *	212. 3600	46. 42	-14.07	32. 35	43. 50	-11. 15	Peak	
4	355. 9200	35. 13	-10. 35	24. 78	46.00	-21.22	Peak	
5	428. 1850	38. 57	-7. 13	31. 44	46. 00	-14. 56	Peak	
6	967. 5050	22. 90	3. 46	26. 36	54. 00	-27. 64	Peak	

Report No.: BTL-FICP-1-1702C187 Page 47 of 117





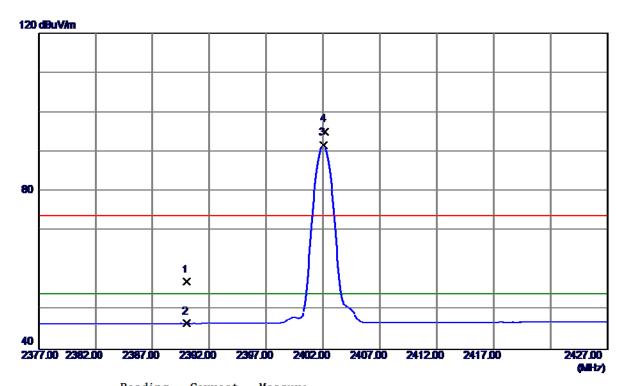
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Report No.: BTL-FICP-1-1702C187 Page 48 of 117





Vertical



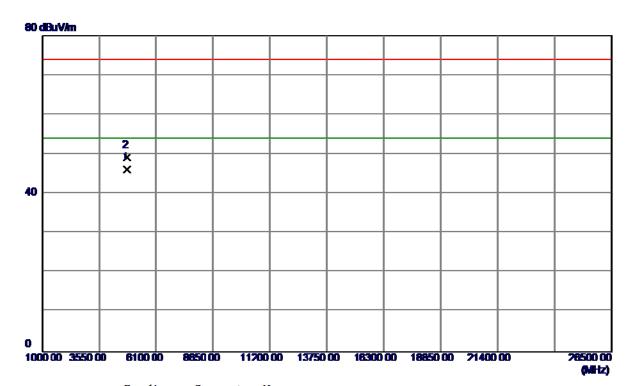
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	24. 03	33. 01	57. 04	74.00	-16. 96	Peak	
2	2390. 0000	13. 47	33. 01	46. 48	54.00	-7. 52	AVG	
3 *	2402. 0500	58. 57	33. 06	91. 63	54.00	37. 63	AVG	No Limit
4	2402. 1500	61. 93	33. 06	94. 99	74. 00	20. 99	Peak	No Limit

Report No.: BTL-FICP-1-1702C187 Page 49 of 117





Vertical



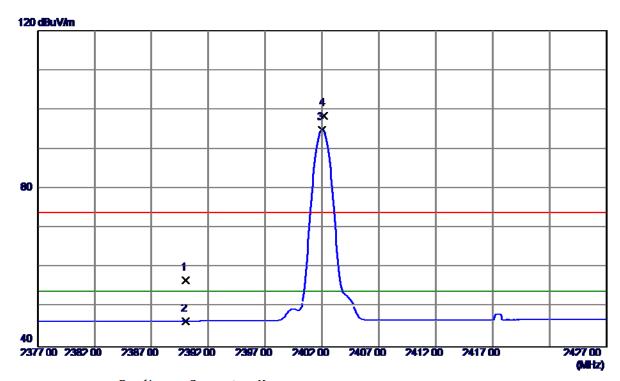
No.	Freq.	Reading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4803.9650	43.00	3.02	46. 02	54.00	-7. 98	AVG	
2	4804. 2550	46. 08	3. 02	49. 10	74. 00	-24. 90	Peak	

Report No.: BTL-FICP-1-1702C187 Page 50 of 117





Horizontal



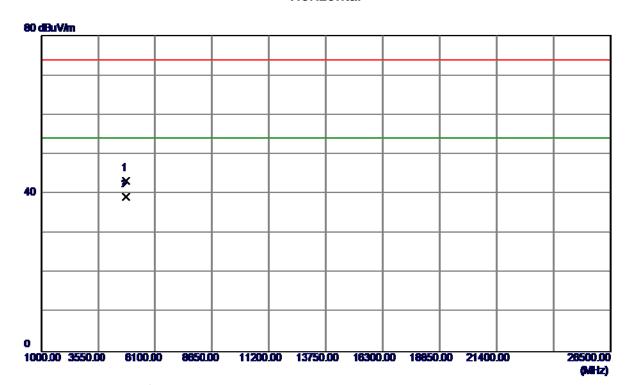
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	23. 84	33. 01	56. 85	74.00	-17. 15	Peak	
2	2390. 0000	13. 46	33. 01	46. 47	54.00	-7. 53	AVG	
3 *	2402. 0000	61. 90	33. 06	94. 96	54.00	40. 96	AVG	No Limit
4	2402. 1500	65. 3 1	33. 06	98. 37	74.00	24. 37	Peak	No Limit

Report No.: BTL-FICP-1-1702C187 Page 51 of 117





Horizontal



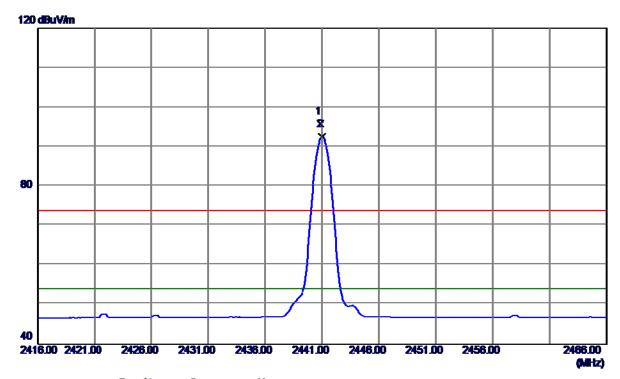
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4803. 9100	40. 36	3.02	43. 38	74.00	-30.62	Peak	
2 *	4803. 9900	36. 13	3. 02	39. 15	54.00	−14. 85	AVG	

Report No.: BTL-FICP-1-1702C187 Page 52 of 117





Vertical



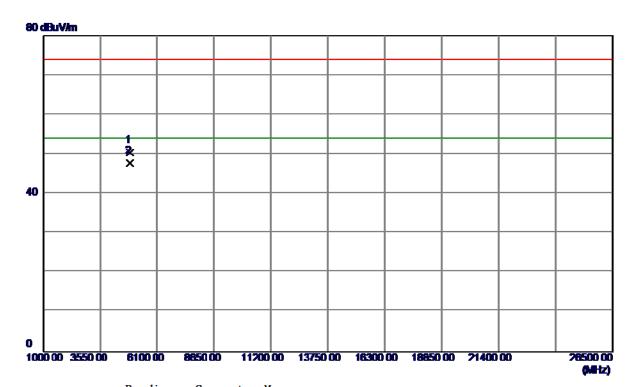
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2440. 8500	62. 58	33. 22	95. 80	74.00	21.80	Peak	No Limit
2 *	2441. 0000	59. 29	33. 22	92. 51	54.00	38. 51	AVG	No Limit

Report No.: BTL-FICP-1-1702C187 Page 53 of 117





Vertical



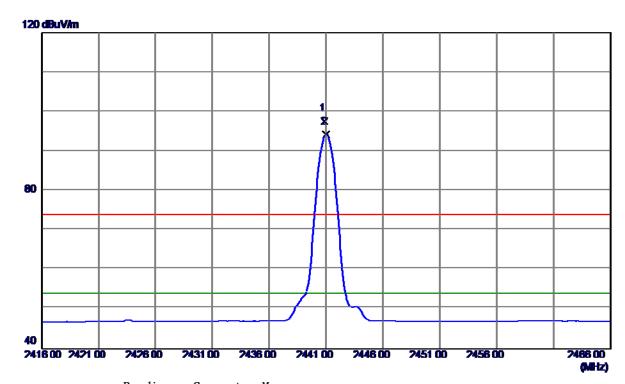
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4881.7100	47. 20	3. 26	50. 46	74.00	-23. 54	Peak	
2 *	4882. 0050	44. 48	3. 26	47. 74	54. 00	-6. 26	AVG	

Report No.: BTL-FICP-1-1702C187 Page 54 of 117





Horizontal



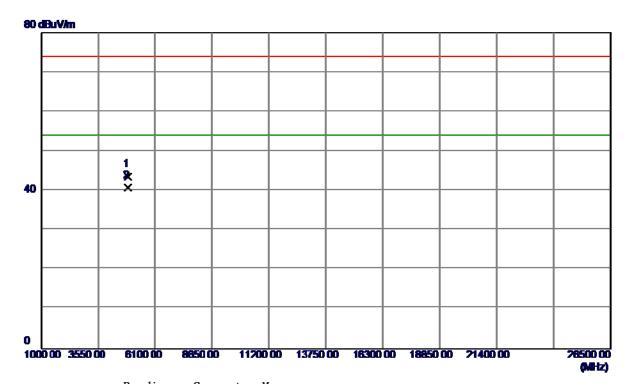
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2440. 8500	64. 32	33. 22	97. 54	74.00	23. 54	Peak	No Limit
2 *	2441. 0000	61. 03	33. 22	94. 25	54. 00	40. 25	AVG	No Limit

Report No.: BTL-FICP-1-1702C187 Page 55 of 117





Horizontal



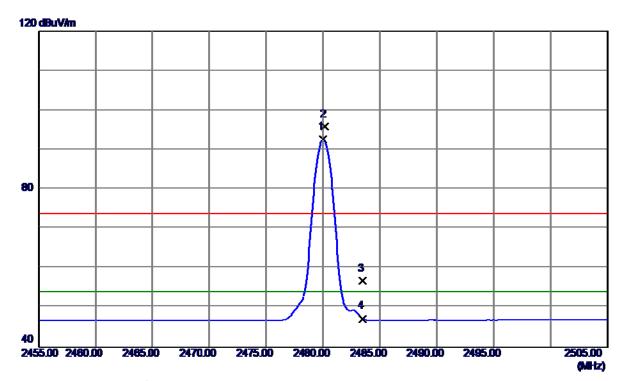
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4881. 8500	40. 22	3. 26	43. 48	74.00	-30. 52	Peak	
2 *	4882. 1250	37. 46	3. 26	40. 72	54.00	-13. 28	AVG	

Report No.: BTL-FICP-1-1702C187 Page 56 of 117





Vertical



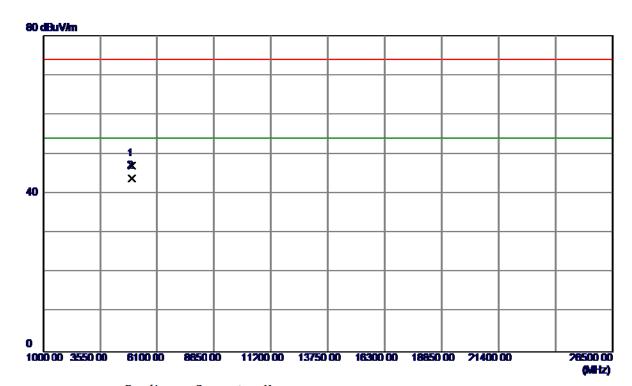
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2480. 0000	59. 21	33. 39	92. 60	54.00	38. 60	AVG	No Limit
2	2480. 1500	62. 46	33. 39	95. 85	74.00	21.85	Peak	No Limit
3	2483. 5000	23. 43	33. 40	56. 83	74. 00	-17. 17	Peak	
4	2483. 5000	13. 88	33. 40	47. 28	54.00	-6. 72	AVG	

Report No.: BTL-FICP-1-1702C187 Page 57 of 117





Vertical



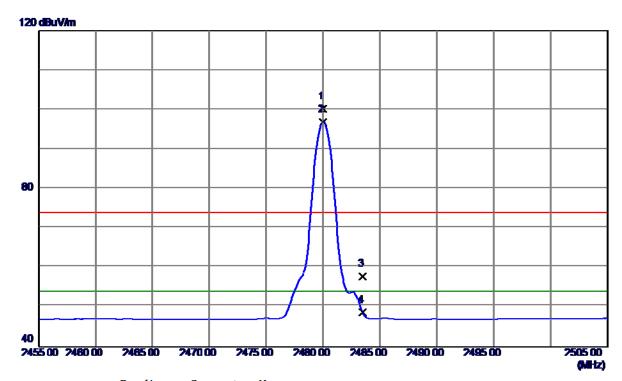
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4959. 7200	43. 48	3. 50	46. 98	74.00	-27. 02	Peak	
2 *	4959. 9500	40. 28	3. 50	43. 78	54.00	-10. 22	AVG	

Report No.: BTL-FICP-1-1702C187 Page 58 of 117





Horizontal



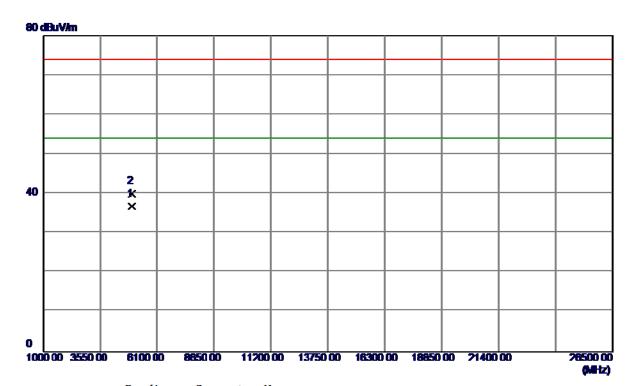
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2480. 0000	66. 76	33. 39	100. 15	74.00	26. 15	Peak	No Limit
2 *	2480.0000	63. 47	33. 39	96. 86	54.00	42.86	AVG	No Limit
3	2483. 5000	24. 40	33. 40	57. 80	74.00	-16. 20	Peak	
4	2483. 5000	15. 18	33. 40	48. 58	54. 00	-5. 42	AVG	

Report No.: BTL-FICP-1-1702C187 Page 59 of 117





Horizontal



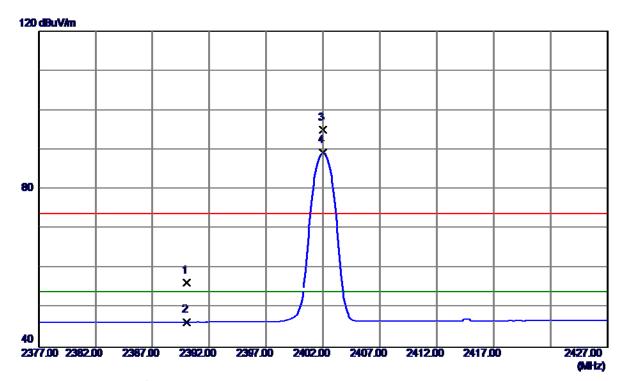
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4959. 9950	33. 27	3. 51	36. 78	54.00	-17. 22	AVG	
2	4960. 1200	36. 47	3. 51	39. 98	74. 00	-34. 02	Peak	

Report No.: BTL-FICP-1-1702C187 Page 60 of 117





Vertical



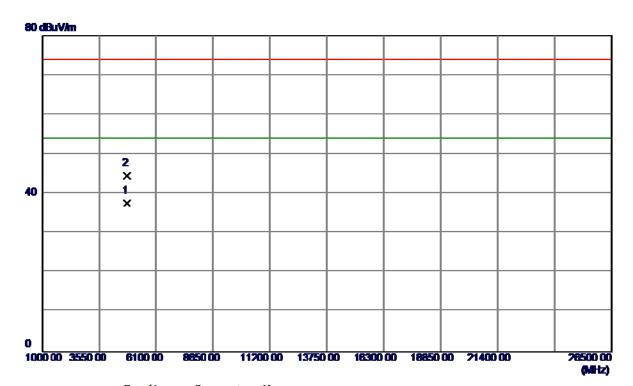
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	23. 3 1	33. 01	56. 32	74.00	-17. 68	Peak	
2	2390. 0000	13. 45	33. 01	46. 46	54.00	-7.54	AVG	
3	2402. 0000	61. 95	33. 06	95. 01	74. 00	21.01	Peak	No Limit
4 *	2402. 0000	56. 19	33. 06	89. 25	54.00	35. 25	AVG	No Limit

Report No.: BTL-FICP-1-1702C187 Page 61 of 117





Vertical



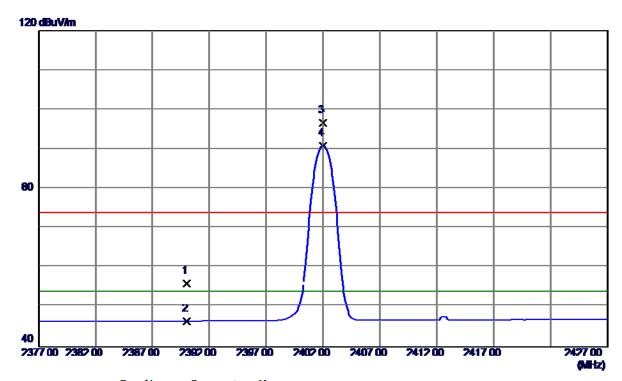
N	0.	Freq.	Reading Level	Factor	measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4803.8150	34. 60	3.02	37. 62	54.00	-16. 38	AVG	
2		4803. 8849	41. 51	3.02	44. 53	74. 00	-29. 47	Peak	

Report No.: BTL-FICP-1-1702C187 Page 62 of 117





Horizontal



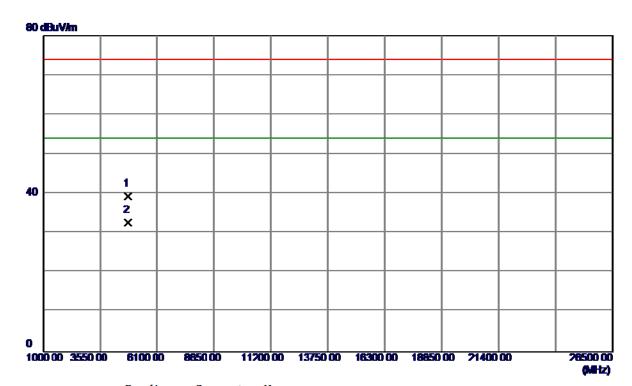
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	23. 04	33. 01	56. 05	74.00	-17. 95	Peak	
2	2390. 0000	13. 45	33. 01	46. 46	54.00	-7.54	AVG	
3	2402. 0000	63. 6 1	33. 06	96. 67	74.00	22. 67	Peak	No Limit
4 *	2402. 0000	57. 85	33. 06	90. 91	54. 00	36. 91	AVG	No Limit

Report No.: BTL-FICP-1-1702C187 Page 63 of 117





Horizontal



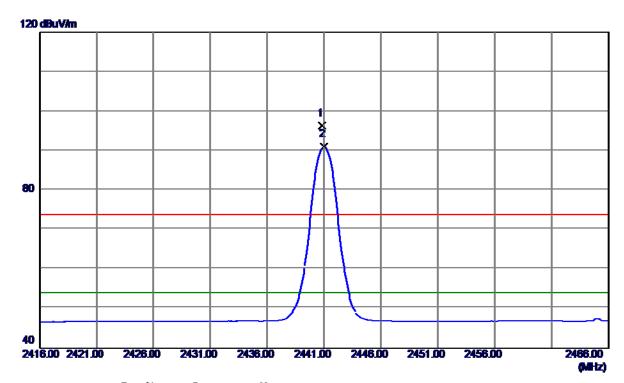
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4803.6500	36. 28	3.02	39. 30	74.00	-34. 70	Peak	
2 *	4804. 0050	29. 69	3.02	32. 71	54.00	-21. 29	AVG	

Report No.: BTL-FICP-1-1702C187 Page 64 of 117





Vertical



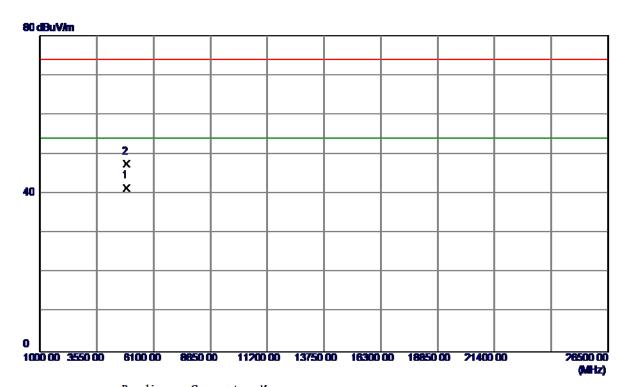
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2440. 8500	63. 14	33. 22	96. 36	74.00	22. 36	Peak	No Limit
2 *	2441. 0000	57. 76	33. 22	90. 98	54.00	36. 98	AVG	No Limit

Report No.: BTL-FICP-1-1702C187 Page 65 of 117





Vertical



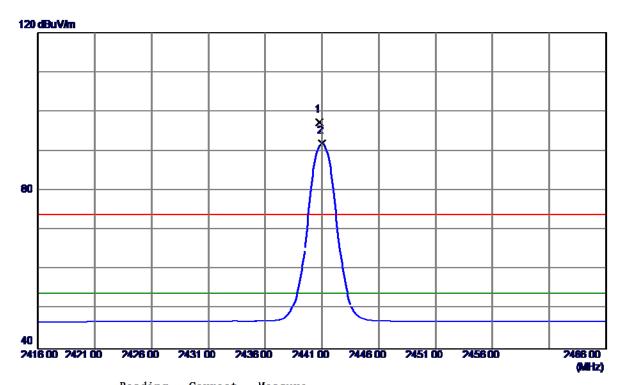
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4881. 9150	38. 22	3. 26	41. 48	54.00	-12. 52	AVG	
2	4882. 2900	44. 20	3. 26	47. 46	74. 00	-26. 54	Peak	

Report No.: BTL-FICP-1-1702C187 Page 66 of 117





Horizontal



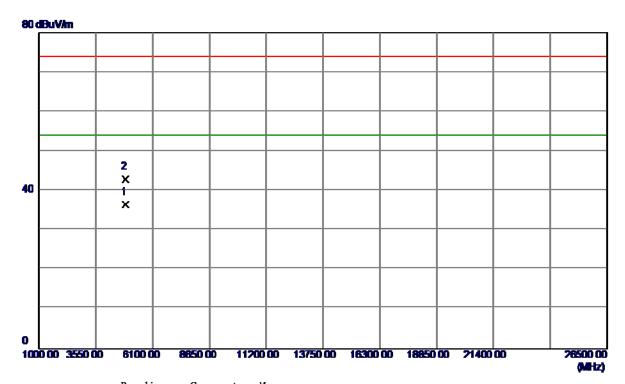
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2440. 8000	64. 09	33. 22	97. 31	74.00	23. 31	Peak	No Limit
2 *	2441. 0000	58. 73	33. 22	91. 95	54.00	37. 95	AVG	No Limit

Report No.: BTL-FICP-1-1702C187 Page 67 of 117





Horizontal



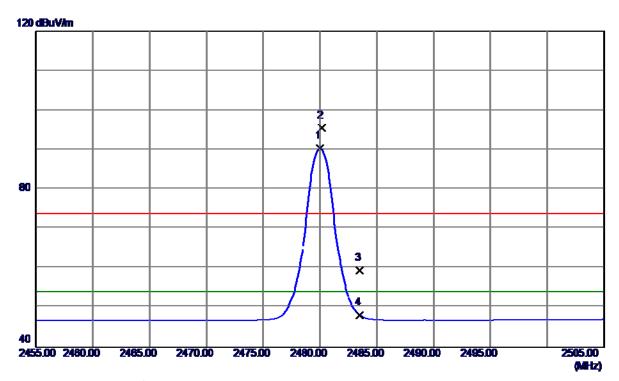
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4881. 8900	33. 16	3. 26	36. 42	54.00	-17. 58	AVG	
2	4882. 1250	39. 56	3. 26	42. 82	74.00	-31. 18	Peak	

Report No.: BTL-FICP-1-1702C187 Page 68 of 117





Vertical



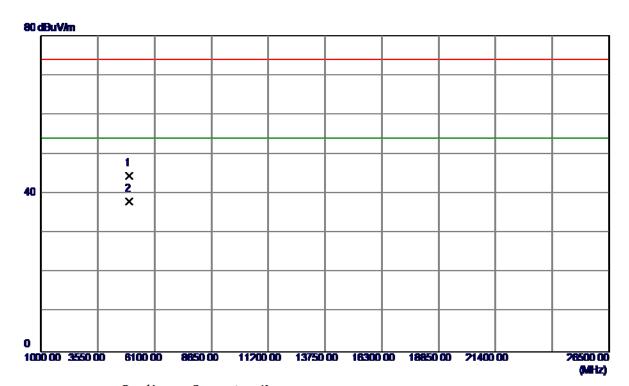
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2480. 0000	56. 99	33. 39	90. 38	54.00	36. 38	AVG	No Limit
2	2480. 1500	62. 11	33. 39	95. 50	74.00	21. 50	Peak	No Limit
3	2483. 5000	26. 19	33. 40	59. 59	74.00	-14. 41	Peak	
4	2483. 5000	14. 81	33. 40	48. 21	54.00	-5. 79	AVG	

Report No.: BTL-FICP-1-1702C187 Page 69 of 117





Vertical



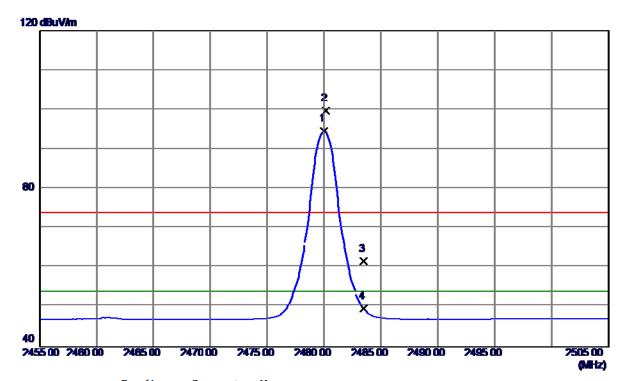
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4959. 5700	40. 92	3. 50	44. 42	74.00	-29. 58	Peak	
2 *	4959. 9150	34. 54	3. 50	38. 04	54.00	-15. 96	AVG	

Report No.: BTL-FICP-1-1702C187 Page 70 of 117





Horizontal



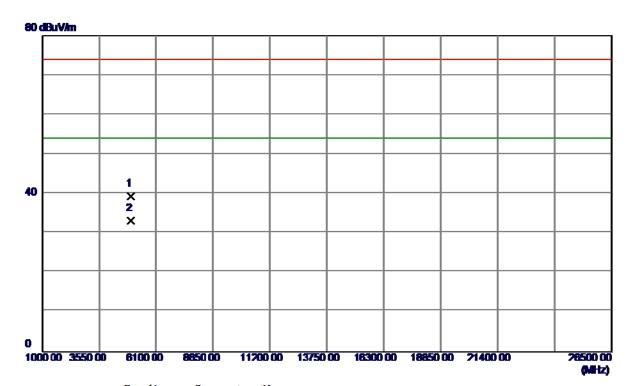
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2480. 0000	61. 16	33. 39	94. 55	54.00	40. 55	AVG	No Limit
2	2480. 1500	66. 26	33. 39	99. 65	74.00	25. 65	Peak	No Limit
3	2483. 5000	28. 17	33. 40	61. 57	74.00	-12. 43	Peak	
4	2483. 5000	16. 18	33. 40	49. 58	54.00	-4. 42	AVG	

Report No.: BTL-FICP-1-1702C187 Page 71 of 117





Horizontal



No. Fre	Level	Factor	Measure ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 495	9. 8500 35. 89	3. 50	39. 39	74. 00	-34.61	Peak	
2 * 495	9. 9500 29. 67	3. 50	33. 17	54.00	-20.83	AVG	

Report No.: BTL-FICP-1-1702C187 Page 72 of 117



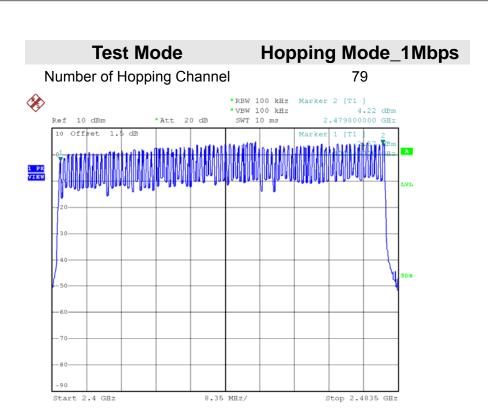


ATTACHMENT E - NUMBER OF HOPPING CHANNEL				

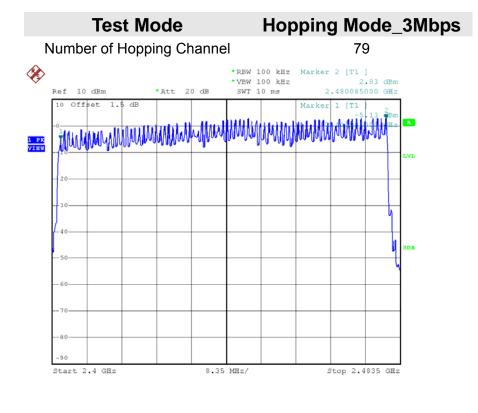
Report No.: BTL-FICP-1-1702C187 Page 73 of 117







Date: 2.MAR.2017 16:48:23



Report No.: BTL-FICP-1-1702C187

Date: 2.MAR.2017 17:14:55





ATTACHMENT F - AVERAGE TIME OF OCCUPANCY				

Report No.: BTL-FICP-1-1702C187 Page 75 of 117





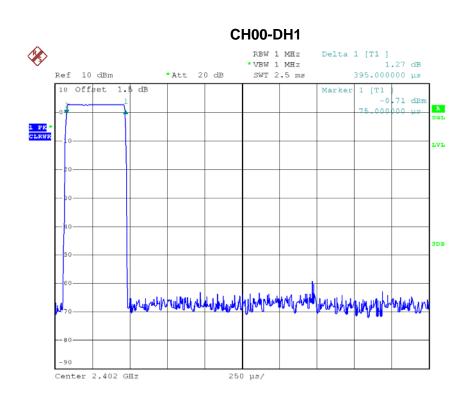
Test Mode : TX Mode_1Mbps

Data Packet	Frequency	Pulse Duration	Dwell Time	Limits	Toot Dooult
	(MHz)	(ms)	(s)	(s)	Test Result
DH5	2402	2.9200	0.3115	0.4000	Pass
DH3	2402	1.6600	0.2656	0.4000	Pass
DH1	2402	0.3950	0.1264	0.4000	Pass
DH5	2441	2.9200	0.3115	0.4000	Pass
DH3	2441	1.6600	0.2656	0.4000	Pass
DH1	2441	0.3900	0.1248	0.4000	Pass
DH5	2480	2.8800	0.3072	0.4000	Pass
DH3	2480	1.6600	0.2656	0.4000	Pass
DH1	2480	0.3900	0.1248	0.4000	Pass

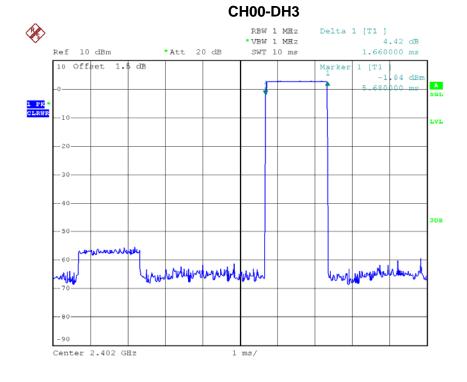
Report No.: BTL-FICP-1-1702C187 Page 76 of 117







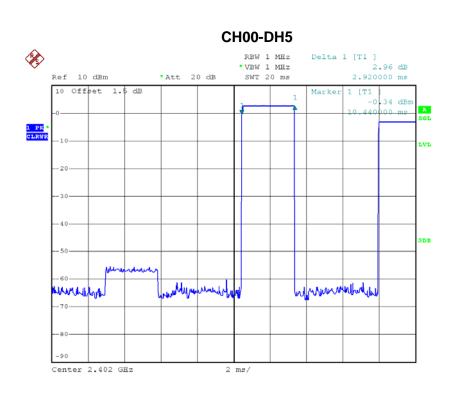
Date: 2.MAR.2017 16:41:02



Date: 2.MAR.2017 16:51:00

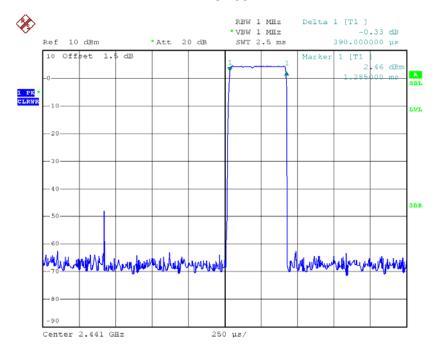






Date: 2.MAR.2017 16:52:40

CH39-DH1

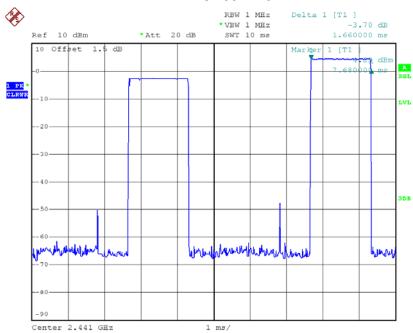


Date: 2.MAR.2017 16:41:57



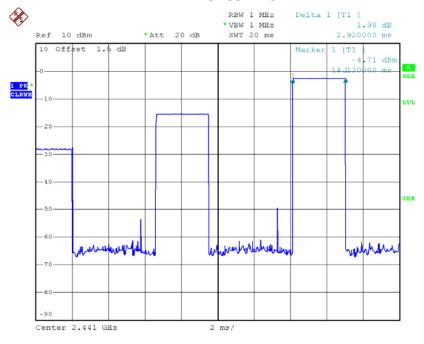






Date: 2.MAR.2017 16:51:37

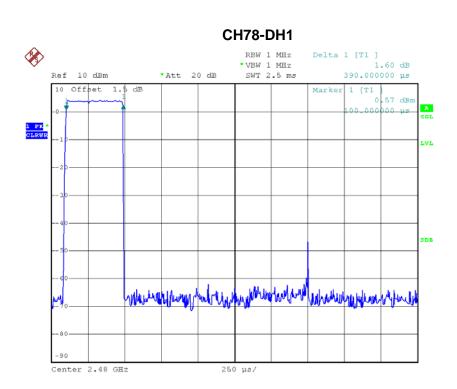
CH39-DH5



Date: 2.MAR.2017 16:53:31

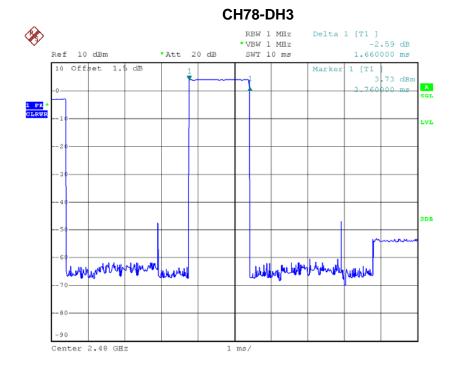






Date: 2.MAR.2017 16:42:42

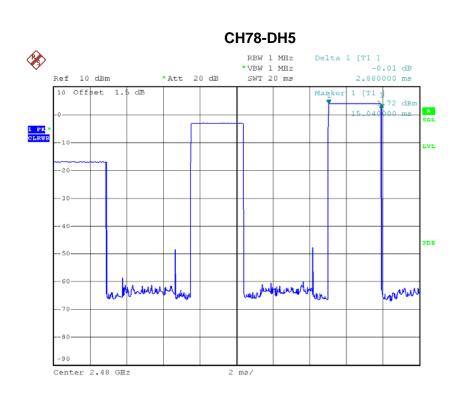
Date: 2.MAR.2017 16:51:59



Report No.: BTL-FICP-1-1702C187







Date: 2.MAR.2017 16:53:52

Report No.: BTL-FICP-1-1702C187 Page 81 of 117





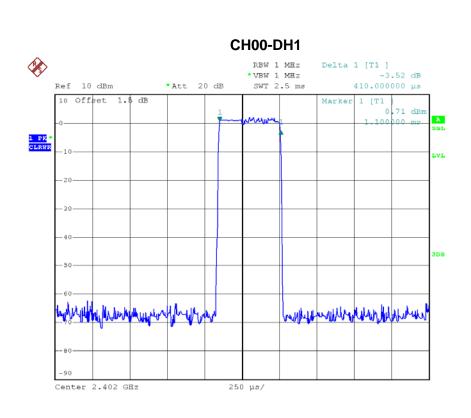
Test Mode : TX Mode_3Mbps

Data Packet	Fraguenay	Pulse	Dwell	Limito(a)	Test Result
	Frequency	Duration(ms)	Time(s)	Limits(s)	rest Result
DH5	2402	2.9200	0.3115	0.4000	Pass
DH3	2402	1.6800	0.2688	0.4000	Pass
DH1	2402	0.4100	0.1312	0.4000	Pass
DH5	2441	2.9200	0.3115	0.4000	Pass
DH3	2441	1.6400	0.2624	0.4000	Pass
DH1	2441	0.4050	0.1296	0.4000	Pass
DH5	2480	2.8800	0.3072	0.4000	Pass
DH3	2480	1.6600	0.2656	0.4000	Pass
DH1	2480	0.4050	0.1296	0.4000	Pass

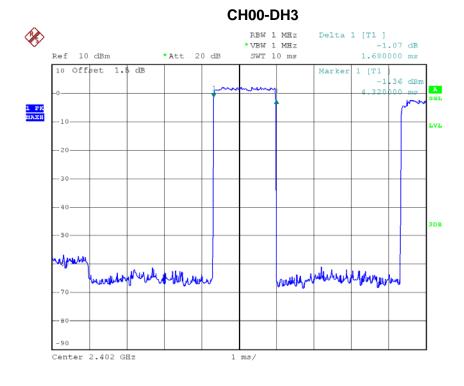
Report No.: BTL-FICP-1-1702C187 Page 82 of 117







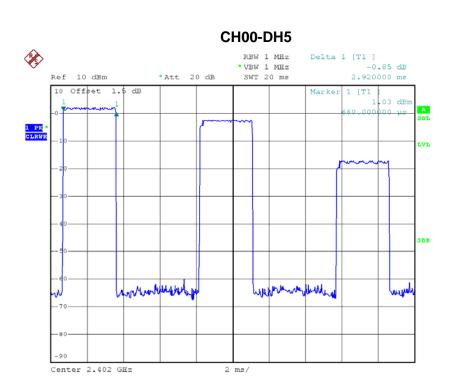




Date: 2.MAR.2017 17:17:14

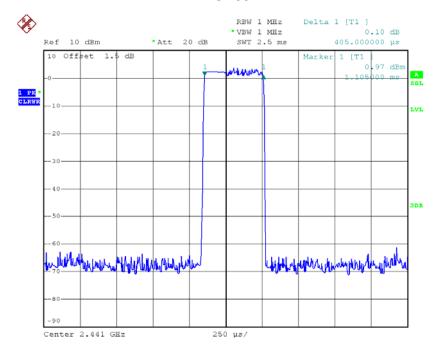






Date: 2.MAR.2017 17:19:12

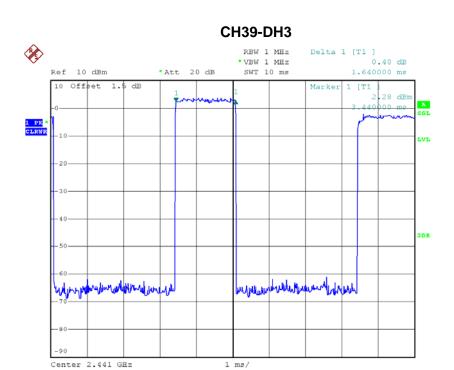
CH39-DH1



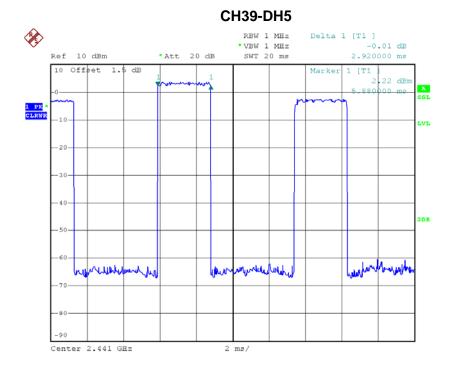
Date: 2.MAR.2017 17:08:55







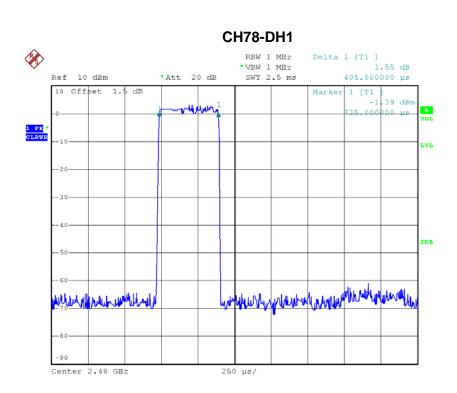
Date: 2.MAR.2017 17:18:13



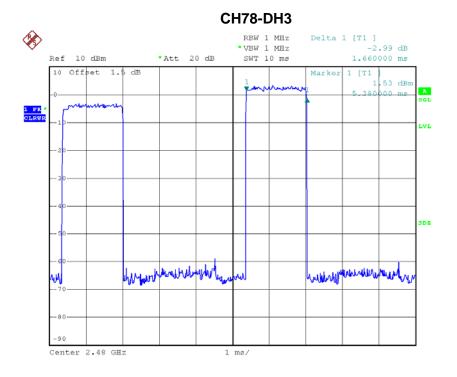
Date: 2.MAR.2017 17:19:34







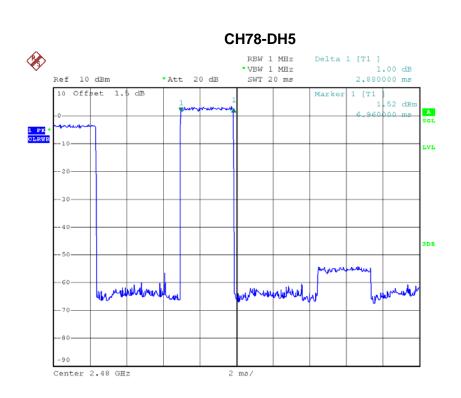
Date: 2.MAR.2017 17:09:14



Date: 2.MAR.2017 17:18:38







Date: 2.MAR.2017 17:20:14

Report No.: BTL-FICP-1-1702C187 Page 87 of 117





ATTACHMENT G - HOPPING CHANNEL SEPARATION MEASUREMENT

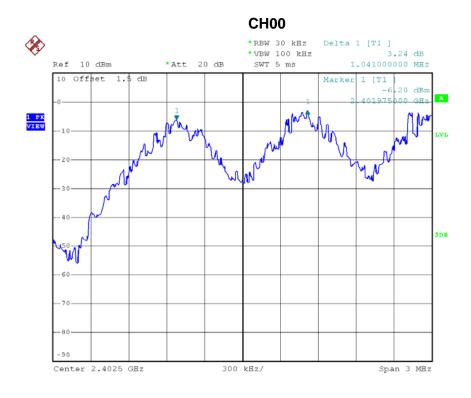
Report No.: BTL-FICP-1-1702C187 Page 88 of 117





Test Mode: Hopping on _1Mbps

Frequency	Channel Separation	2/3 of 20dB Bandwidth	Took Dooult
(MHz)	(MHz)	(MHz)	Test Result
2402	1.041	0.624	Pass
2441	1.007	0.681	Pass
2480	1.002	0.629	Pass

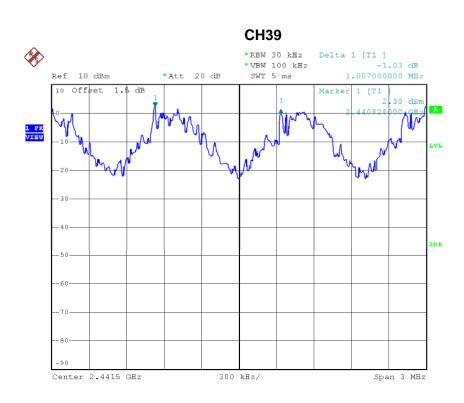


Date: 2.MAR.2017 16:44:22

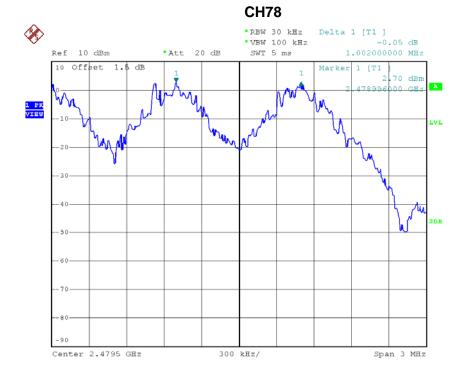
Report No.: BTL-FICP-1-1702C187 Page 89 of 117







Date: 2.MAR.2017 16:45:31



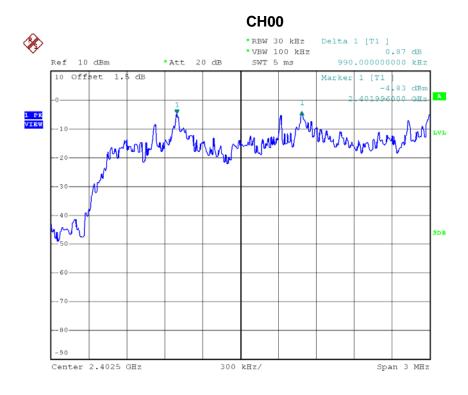
Date: 2.MAR.2017 16:46:35





Test Mode: Hopping on _3Mbps

Frequency	Channel Separation	2/3 of 20dB Bandwidth	Took Dooult
(MHz)	(MHz)	(MHz)	Test Result
2402	0.990	0.871	Pass
2441	0.993	0.837	Pass
2480	1.000	0.827	Pass

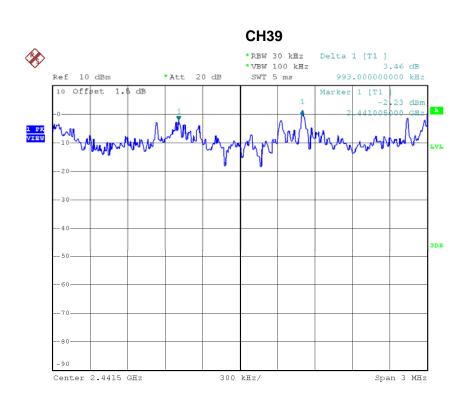


Date: 2.MAR.2017 17:10:49

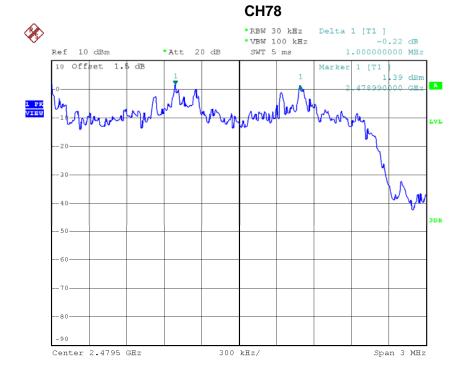
Report No.: BTL-FICP-1-1702C187 Page 91 of 117







Date: 2.MAR.2017 17:11:57



Date: 2.MAR.2017 17:13:06





ATTACHMENT H - BANDWIDTH			

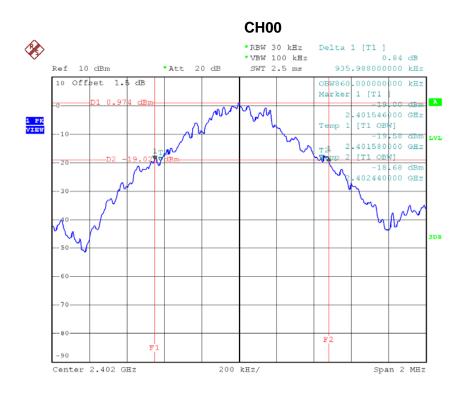
Report No.: BTL-FICP-1-1702C187 Page 93 of 117





Test Mode : TX Mode _1Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	0.936	0.860	Pass
2441	1.022	0.856	Pass
2480	0.944	0.864	Pass

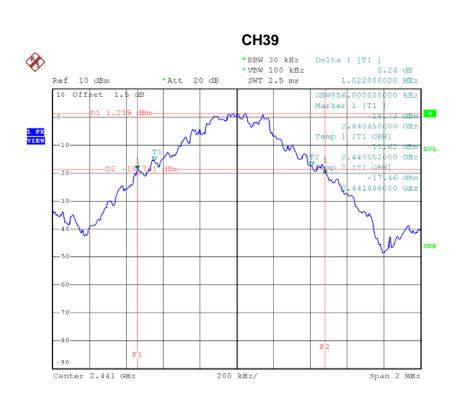


Date: 2.MAR.2017 16:31:12

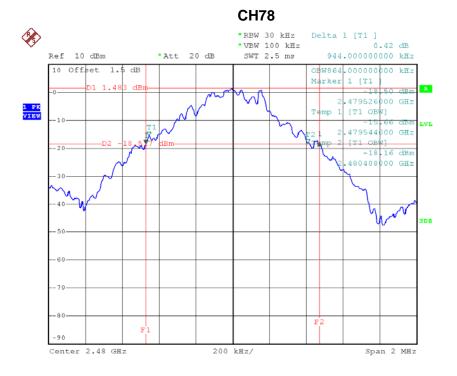
Report No.: BTL-FICP-1-1702C187 Page 94 of 117







Date: 2.MAR.2017 16:36:26



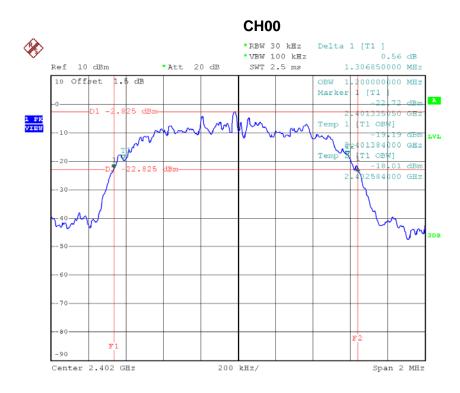
Date: 2.MAR.2017 16:38:21





Test Mode : TX Mode _3Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.307	1.200	Pass
2441	1.256	1.164	Pass
2480	1.240	1.160	Pass

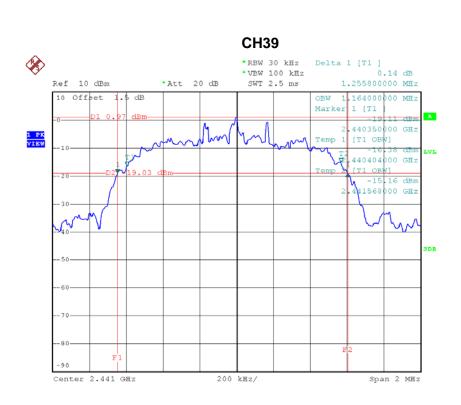


Date: 2.MAR.2017 16:58:20

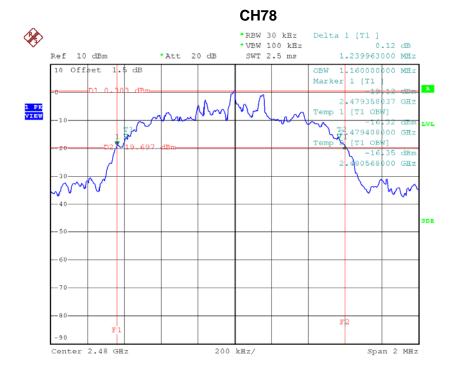
Report No.: BTL-FICP-1-1702C187 Page 96 of 117







Date: 2.MAR.2017 17:02:45



Date: 2.MAR.2017 17:06:01





ATTACHMENT I - PEAK OUTPUT POWER			

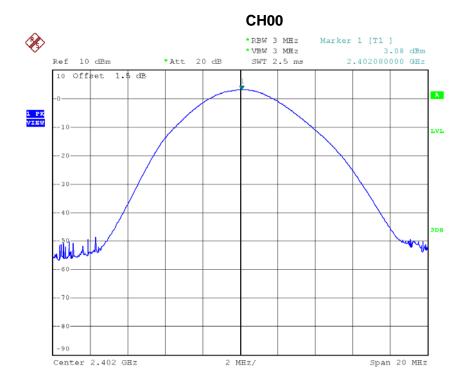
Report No.: BTL-FICP-1-1702C187 Page 98 of 117





Test Mode : TX Mode _1Mbps

Frequency	Conducted Power	Conducted Power	Max. Limit	Max. Limit	Toot Dooult
(MHz)	(dBm)	(W)	(dBm)	(W)	Test Result
2402	3.08	0.0020	30.00	1.00	Pass
2441	4.65	0.0029	30.00	1.00	Pass
2480	4.25	0.0027	30.00	1.00	Pass

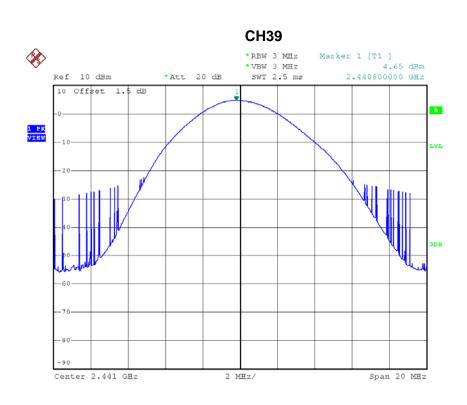


Date: 2.MAR.2017 16:29:37

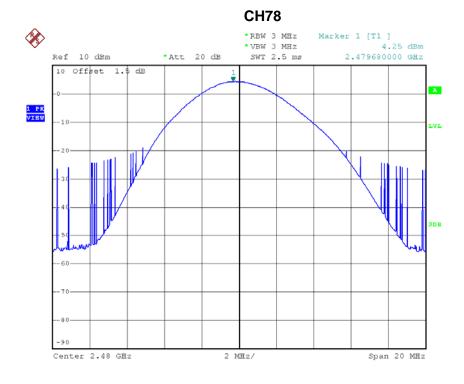
Report No.: BTL-FICP-1-1702C187 Page 99 of 117











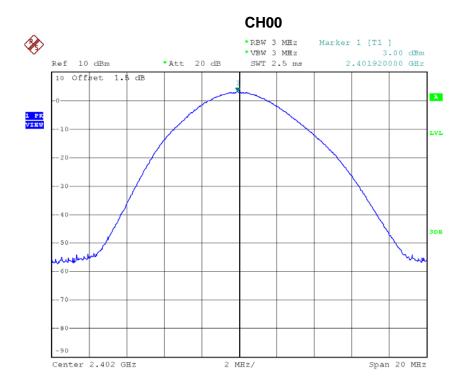
Date: 2.MAR.2017 16:37:10





Test Mode : TX Mode _3Mbps

Frequency	Conducted Power	Conducted Power	Max. Limit	Max. Limit	Toot Dooult
(MHz)	(dBm)	(W)	(dBm)	(W)	Test Result
2402	3.00	0.0020	30.00	1.00	Pass
2441	4.73	0.0030	30.00	1.00	Pass
2480	4.33	0.0027	30.00	1.00	Pass

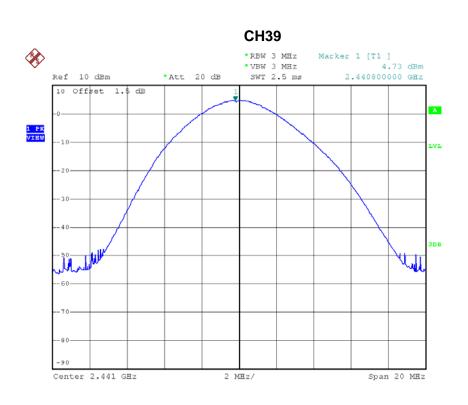


Date: 2.MAR.2017 16:57:31

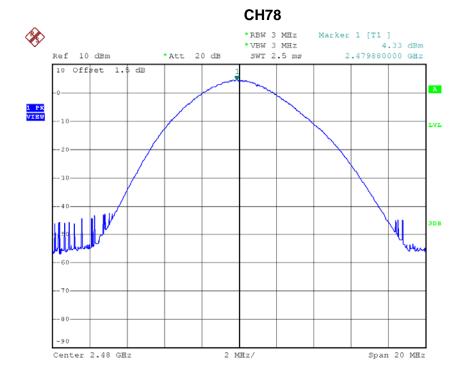
Report No.: BTL-FICP-1-1702C187











Date: 2.MAR.2017 17:05:14



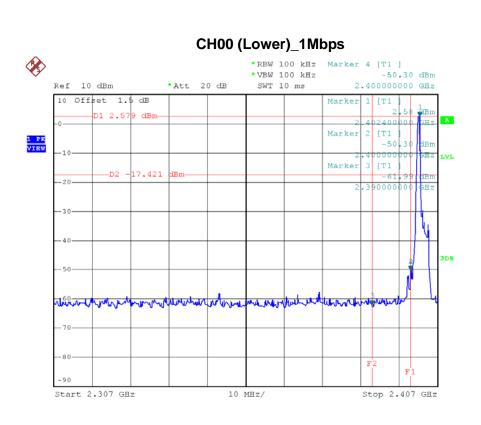


ATTACHMENT J - ANTENNA CONDUCTED SPURIOUS EMISSION

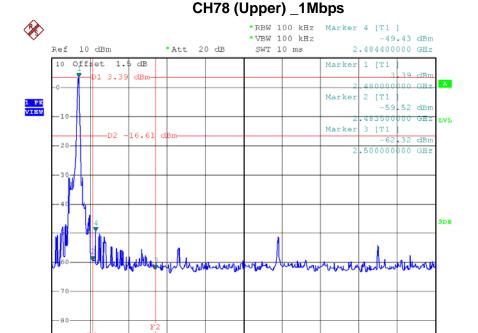
Report No.: BTL-FICP-1-1702C187 Page 103 of 117







Date: 2.MAR.2017 16:30:45



10 MHz/

Stop 2.573 GHz

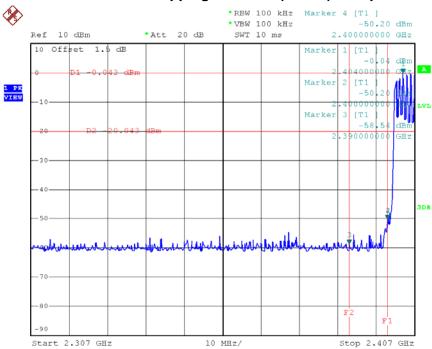
Date: 2.MAR.2017 16:37:54

Start 2.473 GHz



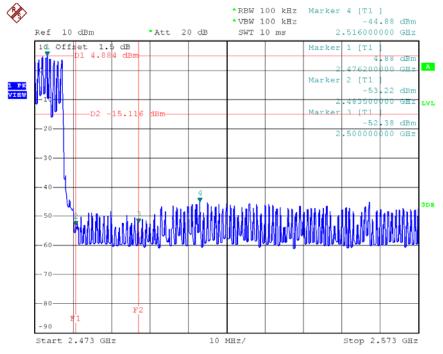






Date: 2.MAR.2017 16:48:58

CH78 Hopping on mode (Upper) _1Mbps

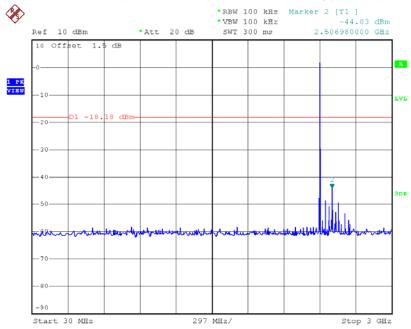


Date: 2.MAR.2017 16:49:39

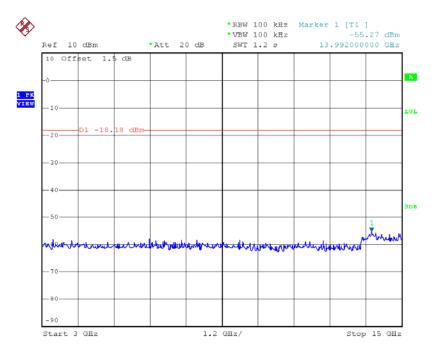








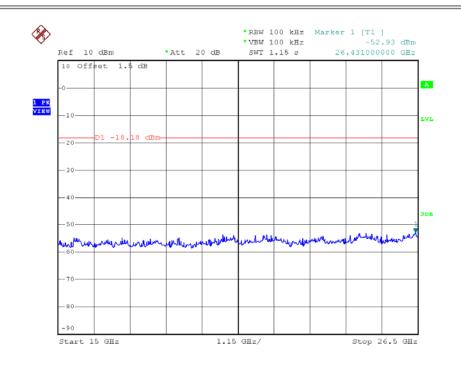
Date: 2.MAR.2017 16:31:26



Date: 2.MAR.2017 16:31:35

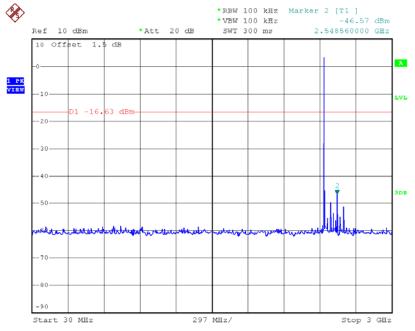






Date: 2.MAR.2017 16:31:43

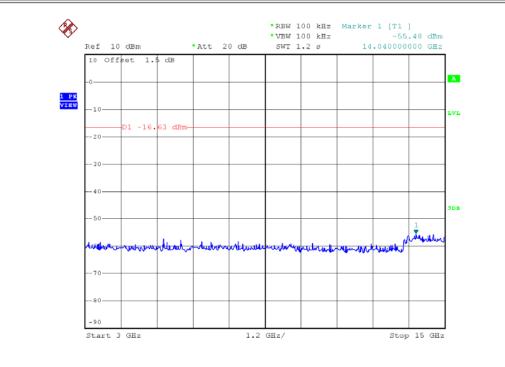
CH39 (10 Harmonic of the frequency) _1Mbps



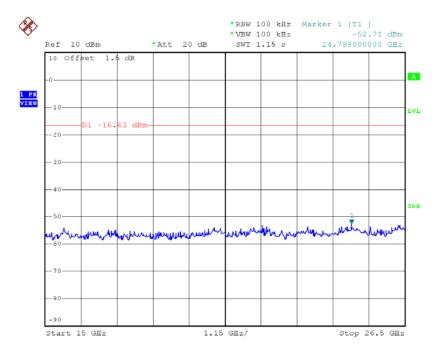
Date: 2.MAR.2017 16:35:44







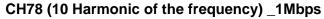
Date: 2.MAR.2017 16:35:53

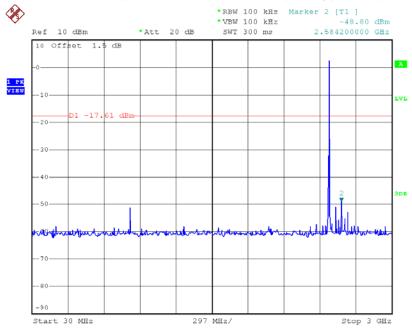


Date: 2.MAR.2017 16:36:01

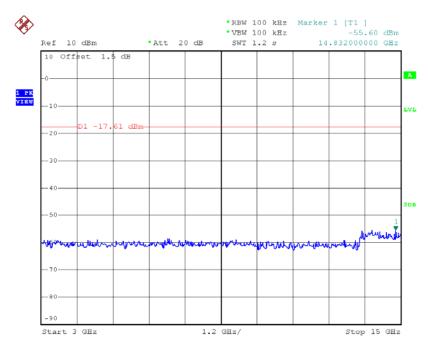








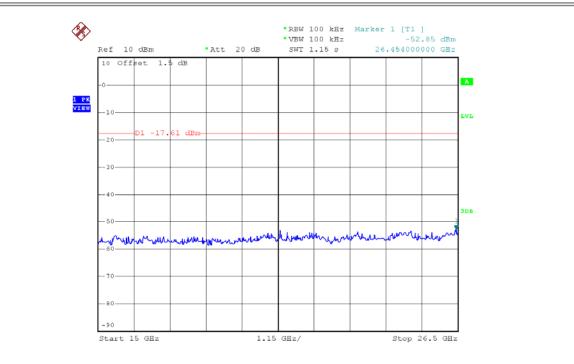
Date: 2.MAR.2017 16:38:35



Date: 2.MAR.2017 16:38:43



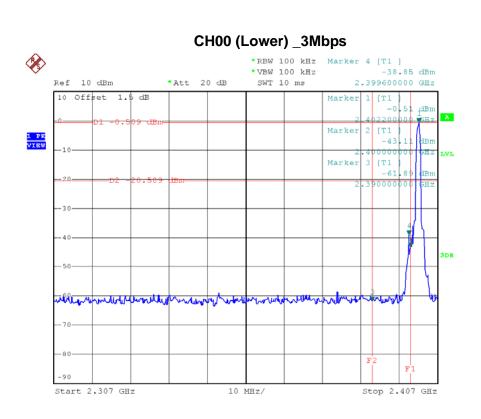




Date: 2.MAR.2017 16:38:52







Date: 2.MAR.2017 16:57:59

10 MHz/

Stop 2.573 GHz

CH78 (Upper) _3Mbps

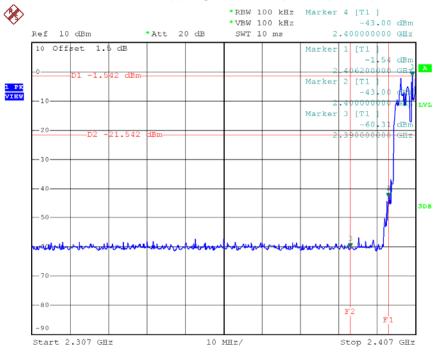
Date: 2.MAR.2017 17:05:40

Start 2.473 GHz



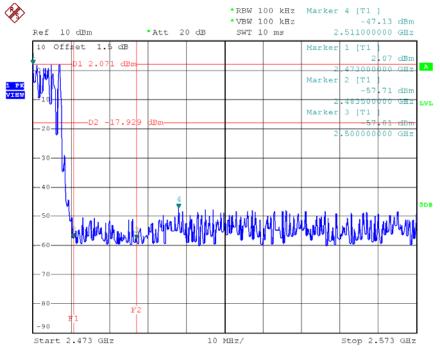






Date: 2.MAR.2017 17:15:33

CH78 Hopping on mode (Upper) _3Mbps

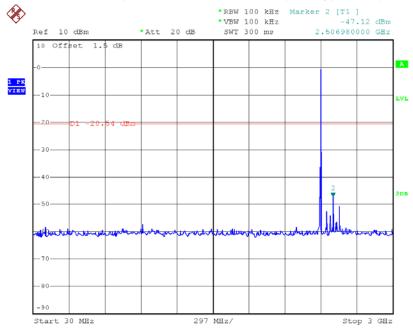


Date: 2.MAR.2017 17:16:12

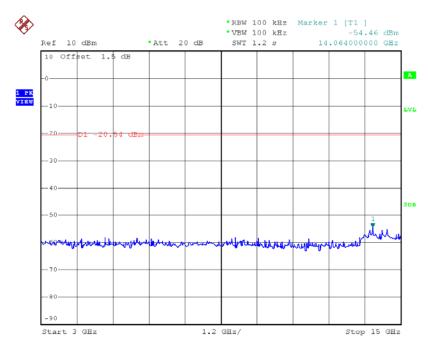




CH00 (10 Harmonic of the frequency) _3Mbps



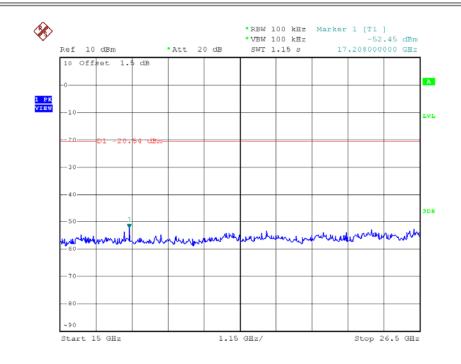
Date: 2.MAR.2017 17:03:27



Date: 2.MAR.2017 17:03:36

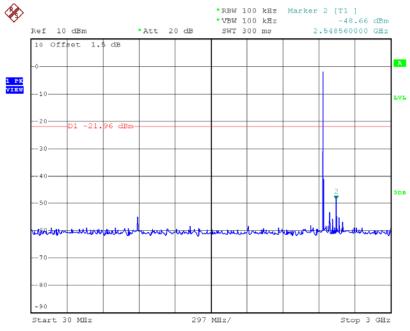






Date: 2.MAR.2017 17:03:44

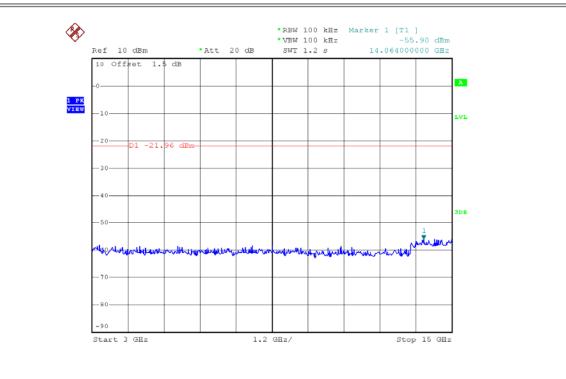
CH39 (10 Harmonic of the frequency) _3Mbps



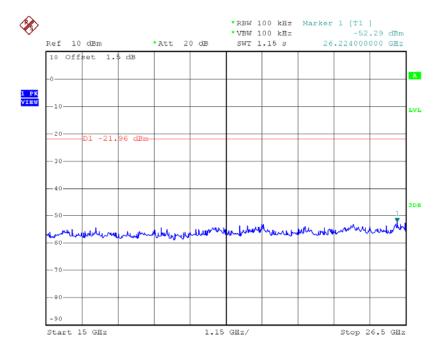
Date: 2.MAR.2017 17:02:05







Date: 2.MAR.2017 17:02:14

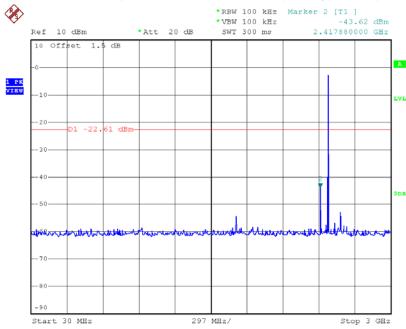


Date: 2.MAR.2017 17:02:23

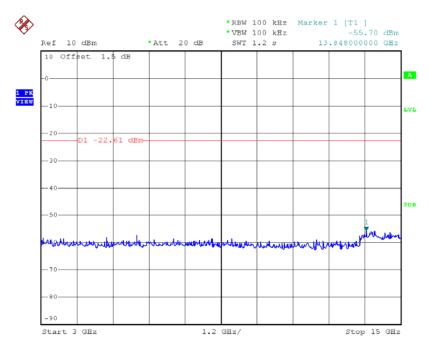




CH78 (10 Harmonic of the frequency) _3Mbps



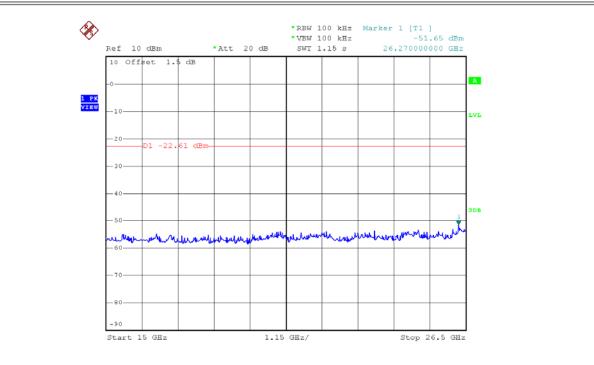
Date: 2.MAR.2017 17:06:14



Date: 2.MAR.2017 17:06:23







Date: 2.MAR.2017 17:06:31