FCC Test Report

Product Name	：	Beta+
Trade Name	：	Raptor
Model No.	：	EV1000A-00
FCC ID.	：	2AH97-EVG1

Applicant	：	Everysight Ltd.
Address	：	Andrei Sakharov 9, Advance Technology Center, Building 3, Haifa 3508409, Israel

Date of Receipt	：	May 08, 2017
Issued Date	：	Aug. 23, 2017
Report No.	：	1750190R-RFUSP01V00
Report Version	：	V1.0

Test Report Certification

Issued Date : Aug. 23, 2017
Report No. : 1750190R-RFUSP01V00

Product Name	:	Beta+
Applicant	:	Everysight Ltd.
Address	:	Andrei Sakharov 9, Advance Technology Center, Building 3, Haifa 3508409, Israel
Manufacturer	:	Everysight Ltd.
Model No.	:	EV1000A-00
FCC ID.	:	2AH97-EVG1
EUT Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	Raptor
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2015
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C. TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied

Documented By :

(Demi Chang / Engineering Adm. Specialist)

Tested By :

(Elwin Lin / Assistant Engineer)

Approved By :

(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1750190R-RFUSP01V00	V1.0	Initial issue of report	Aug. 23, 2017

Laboratory Information

We, **DEKRA Testing and Certification Co., Ltd.**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

Taiwan R.O.C.	**:**	**TAF, Accreditation Number: 3024**
USA	**:**	**FCC, Registration Number: TW3024**
Canada	**:**	**IC, Submission No: 181665 /** **IC Registration Number: 22397-1 / 22397-2 / 22397-3**

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site :
http://www.dekra.com.tw/english/about/certificates.aspx?bval=5
The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : http://www.dekra.com.tw/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our test sites as below:

1 No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan (R.O.C.)
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : info.tw@dekra.com
2 No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com
3 No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : info.tw@dekra.com

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1. General Information

1.1. EUT Description

Product Name	Beta+
Trade Name	Raptor
Model No.	EV1000A-00
Frequency Range/ Channel Number	2412~2462MHz / 11 Channels for WiFi 2402~2480MHz / 79 Channels for BT 2.0 and ANT+ 2402~2480MHz / 40 Channels for BT 4.0
Type of Modulation	BT: GFSK, π/4-DQPSK, 8-DPSK WLAN: DSSS(802.11b), OFDM(802.11g/n)

Antenna Information	
Antenna Type	PCB Antenna
Antenna Gain	2.32dBi

Accessories Information	
USB Cable	Shielded, 1m
Power Adapter	PHIHONG, PSA05A-050QL6 I/P : 100-240V~0.2A 50-60Hz O/P : 5V ⎓ 1A

IEEE 802.11b/g & IEEE 802.11n (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

Bluetooth 2.0/ANT+

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

Bluetooth 4.0

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

Note:

1. This device is a Beta+ including 2.4GHz b/g/n (1x1), BT2.0, BT4.0 and ANT+ transmitting and receiving function.
2. This report is tested for WIFI, BT, Ant + feature synchronization tests

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Test Mode	Mode 1: Co-location-Power by PC Mode 2: Co-location-Power by Adapter

1.3. Tested System Details

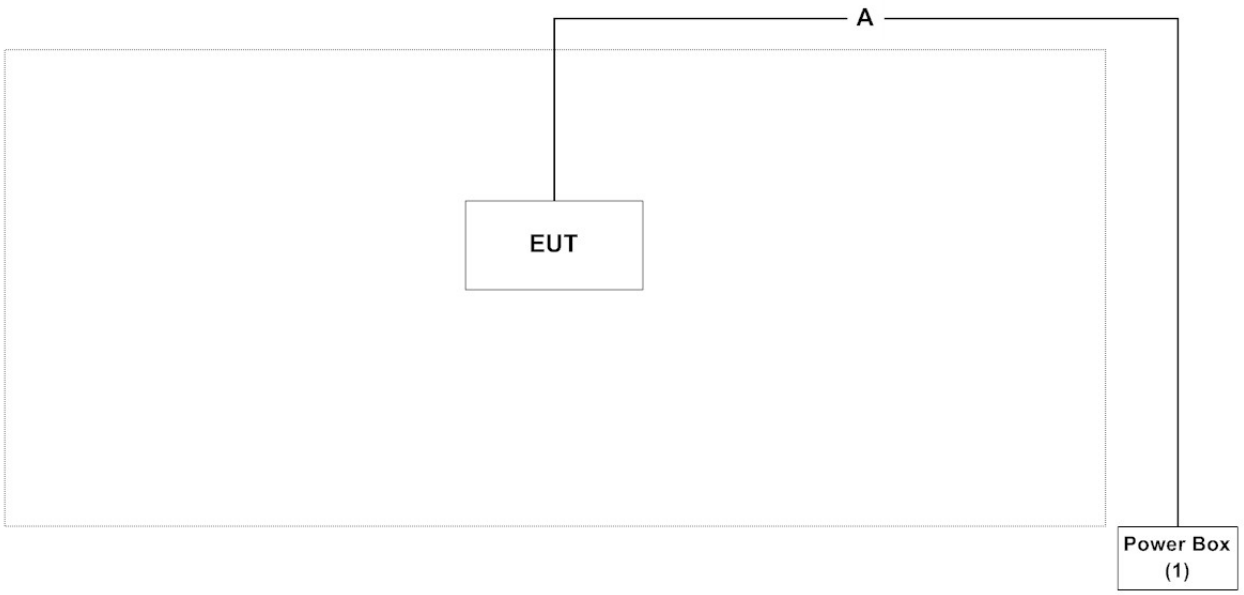
The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Test Mode		Mode 1: Co-location-Power by PC				
Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	Lenovo	B590	WB1529782	DoC	Non-Shielded, 1.8m, one ferrite core bonded
Test Mode		Mode 2: Co-location-Power by Adapter				
Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
N/A						

1.4. Configuration of tested System

Test Mode	Mode 1: Co-location-Power by PC

Connection Diagram



Signal Cable Type		Signal cable Description
A	USB CDD Cable	Shielded, 1.5m

Test Mode	Mode 2: Co-location-Power by Adapter
Connection Diagram	
	

1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the test program “QRCT”.
3	Configure the test mode, the test channel, and the data rate.
4	Press “Start TX” to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20	3
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25	2
Humidity (%RH)		25 - 75	54	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test Site information refers to Laboratory Information.

2. Conducted Emission

2.1. Test Equipment

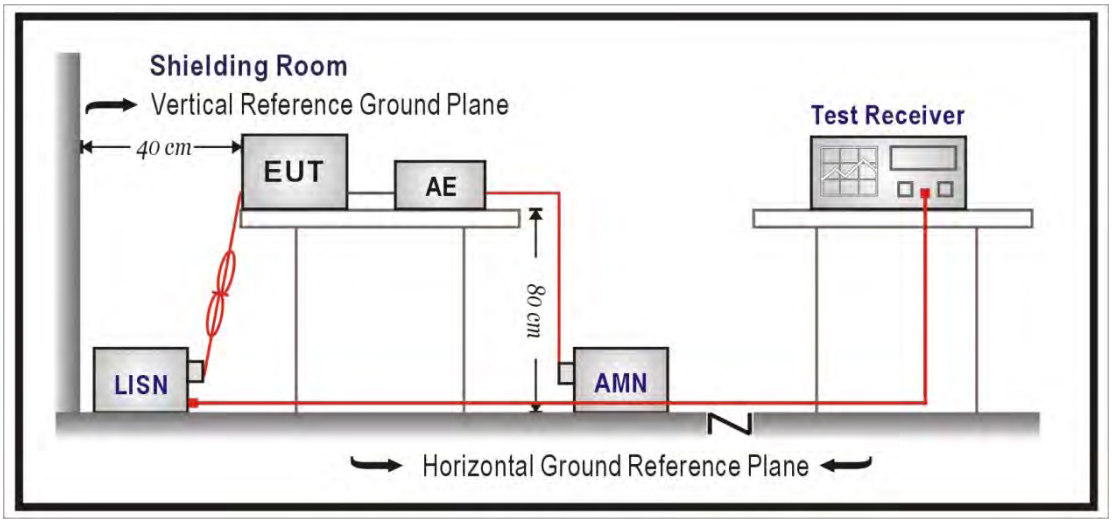
The following test equipments are used during the test:

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2017/02/06	2018/02/05
Test Receiver	R&S	ESCS 30	836858/022	2017/04/12	2018/04/11
LISN	R&S	ENV216	100092	2017/07/31	2018/07/30

Note: All equipments that need to calibrate are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remark: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

2.5. Test Specification

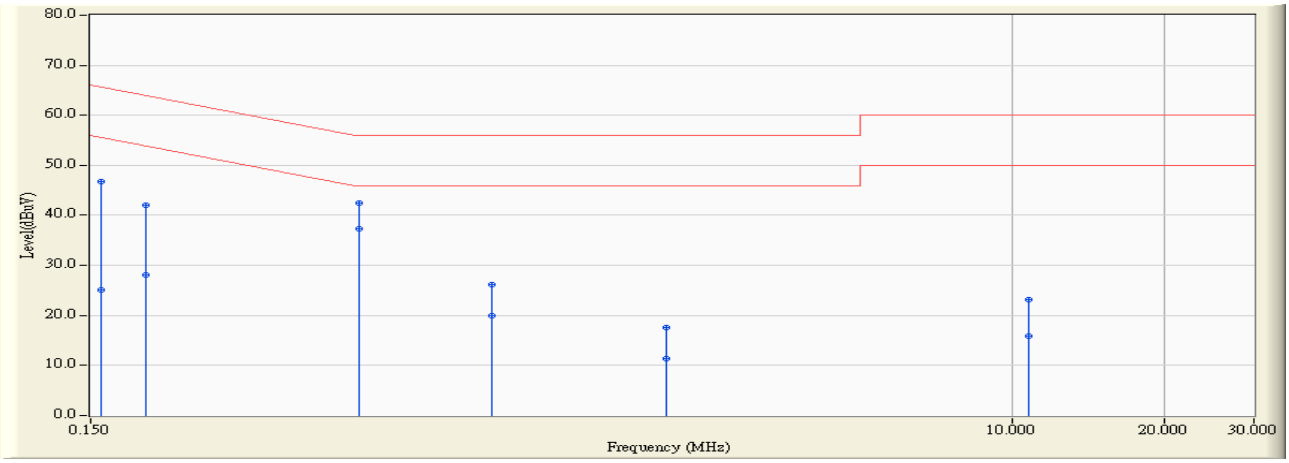
According to FCC Part 15 Subpart C Paragraph 15.207: 2015

2.6. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.7. Test Result

Site : SR2-H	**Time : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line1	**Power : DC 5V**
EUT : Beta+	**Note : Mode 1: Co-location-Power by PC**

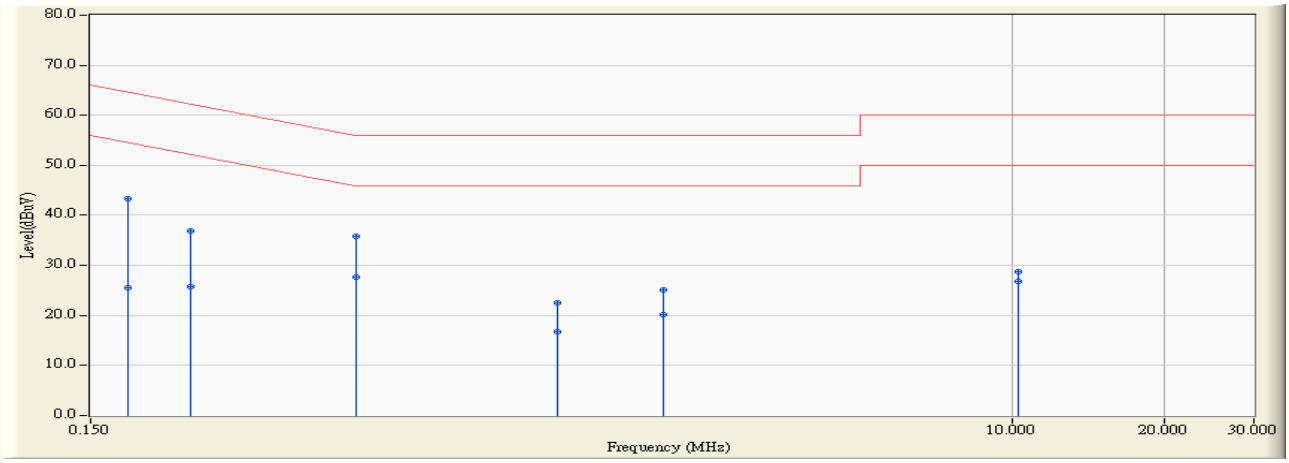


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.158	9.751	36.910	46.661	-18.917	65.578	QUASIPEAK
2		0.158	9.751	15.430	25.181	-30.397	55.578	AVERAGE
3		0.193	9.751	32.370	42.121	-21.787	63.908	QUASIPEAK
4		0.193	9.751	18.240	27.991	-25.917	53.908	AVERAGE
5		0.509	9.730	32.790	42.521	-13.479	56.000	QUASIPEAK
6	*	0.509	9.730	27.580	37.311	-8.689	46.000	AVERAGE
7		0.931	9.807	16.420	26.227	-29.773	56.000	QUASIPEAK
8		0.931	9.807	10.210	20.017	-25.983	46.000	AVERAGE
9		2.060	9.862	7.690	17.552	-38.448	56.000	QUASIPEAK
10		2.060	9.862	1.410	11.272	-34.728	46.000	AVERAGE
11		10.752	10.143	12.970	23.113	-36.887	60.000	QUASIPEAK
12		10.752	10.143	5.760	15.903	-34.097	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR2-H	**Time : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line2	**Power : DC 5V**
EUT : Beta+	**Note : Mode 1: Co-location-Power by PC**

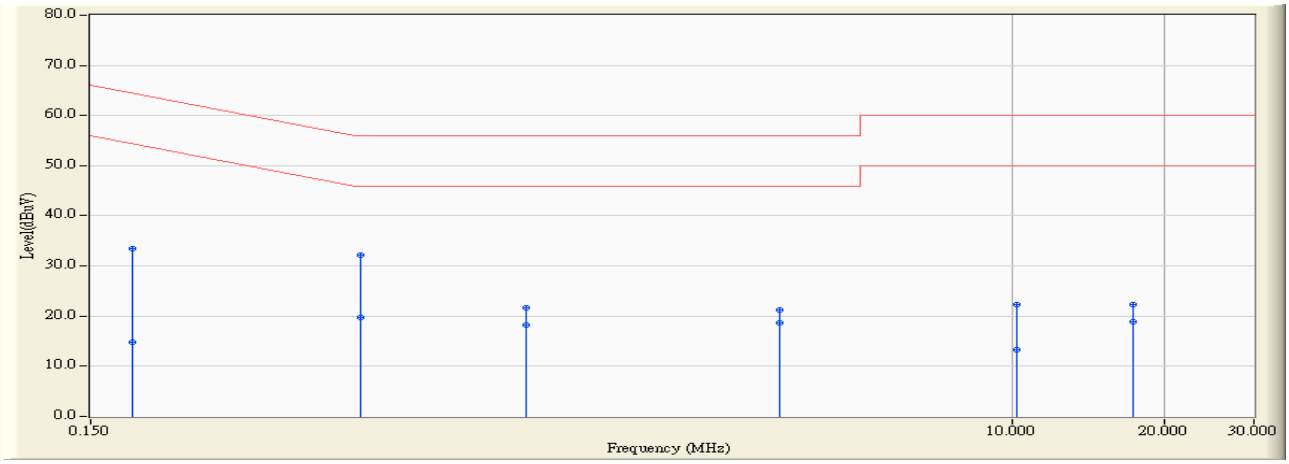


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.177	9.752	33.550	43.302	-21.307	64.609	QUASIPEAK
2		0.177	9.752	15.710	25.462	-29.147	54.609	AVERAGE
3		0.236	9.750	27.070	36.820	-25.418	62.238	QUASIPEAK
4		0.236	9.750	16.020	25.770	-26.468	52.238	AVERAGE
5		0.502	9.746	26.000	35.746	-20.254	56.000	QUASIPEAK
6	*	0.502	9.746	17.930	27.676	-18.324	46.000	AVERAGE
7		1.255	9.828	12.720	22.548	-33.452	56.000	QUASIPEAK
8		1.255	9.828	6.980	16.808	-29.192	46.000	AVERAGE
9		2.041	9.850	15.220	25.070	-30.930	56.000	QUASIPEAK
10		2.041	9.850	10.290	20.140	-25.860	46.000	AVERAGE
11		10.240	10.158	18.580	28.738	-31.262	60.000	QUASIPEAK
12		10.240	10.158	16.570	26.728	-23.272	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR2-H	**Time : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line1	**Power : AC 120V/60Hz**
EUT : Beta+	**Note : Mode 2: Co-location-Power by Adapter**

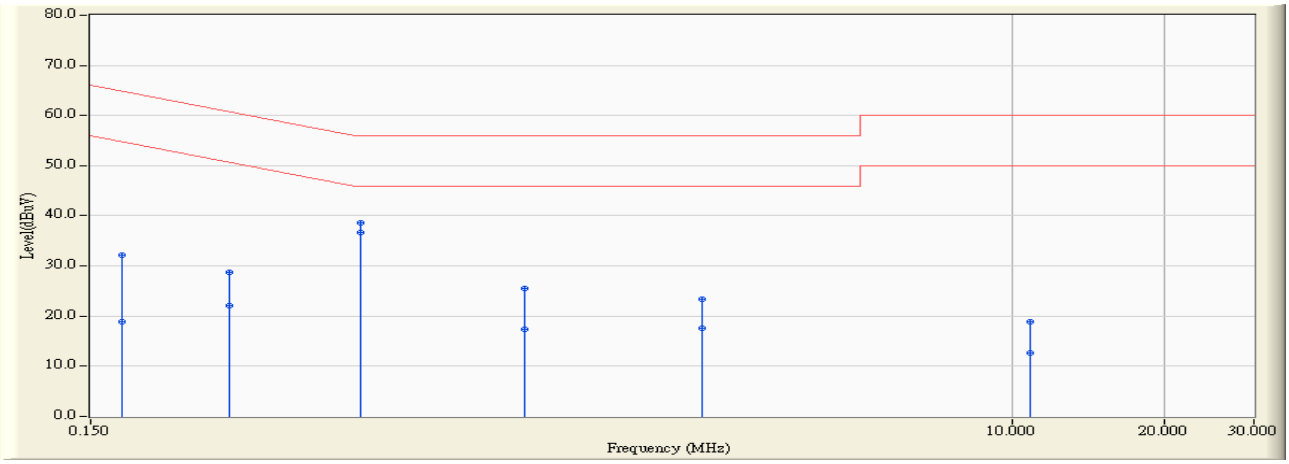


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.181	9.752	23.800	33.552	-30.876	64.428	QUASIPEAK
2		0.181	9.752	5.030	14.782	-39.646	54.428	AVERAGE
3	*	0.513	9.731	22.400	32.131	-23.869	56.000	QUASIPEAK
4		0.513	9.731	10.010	19.741	-26.259	46.000	AVERAGE
5		1.087	9.824	11.790	21.614	-34.386	56.000	QUASIPEAK
6		1.087	9.824	8.320	18.144	-27.856	46.000	AVERAGE
7		3.470	9.904	11.360	21.264	-34.736	56.000	QUASIPEAK
8		3.470	9.904	8.790	18.694	-27.306	46.000	AVERAGE
9		10.213	10.134	12.080	22.214	-37.786	60.000	QUASIPEAK
10		10.213	10.134	3.080	13.214	-36.786	50.000	AVERAGE
11		17.357	10.276	11.960	22.237	-37.763	60.000	QUASIPEAK
12		17.357	10.276	8.530	18.807	-31.193	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR2-H	**Time : 2017/08/17**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2_LISN(16A)-6_0712 - Line2	**Power : AC 120V/60Hz**
EUT : Beta+	**Note : Mode 2: Co-location-Power by Adapter**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.173	9.753	22.440	32.193	-32.601	64.794	QUASIPEAK
2		0.173	9.753	9.120	18.873	-35.921	54.794	AVERAGE
3		0.283	9.750	19.060	28.810	-31.923	60.733	QUASIPEAK
4		0.283	9.750	12.240	21.990	-28.743	50.733	AVERAGE
5		0.513	9.747	28.810	38.557	-17.443	56.000	QUASIPEAK
6	*	0.513	9.747	27.020	36.767	-9.233	46.000	AVERAGE
7		1.080	9.822	15.750	25.572	-30.428	56.000	QUASIPEAK
8		1.080	9.822	7.560	17.382	-28.618	46.000	AVERAGE
9		2.431	9.848	13.610	23.458	-32.542	56.000	QUASIPEAK
10		2.431	9.848	7.830	17.678	-28.322	46.000	AVERAGE
11		10.838	10.177	8.600	18.777	-41.223	60.000	QUASIPEAK
12		10.838	10.177	2.390	12.567	-37.433	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Radiated Emission

3.1. Test Equipment

The following test equipment are used during the test:

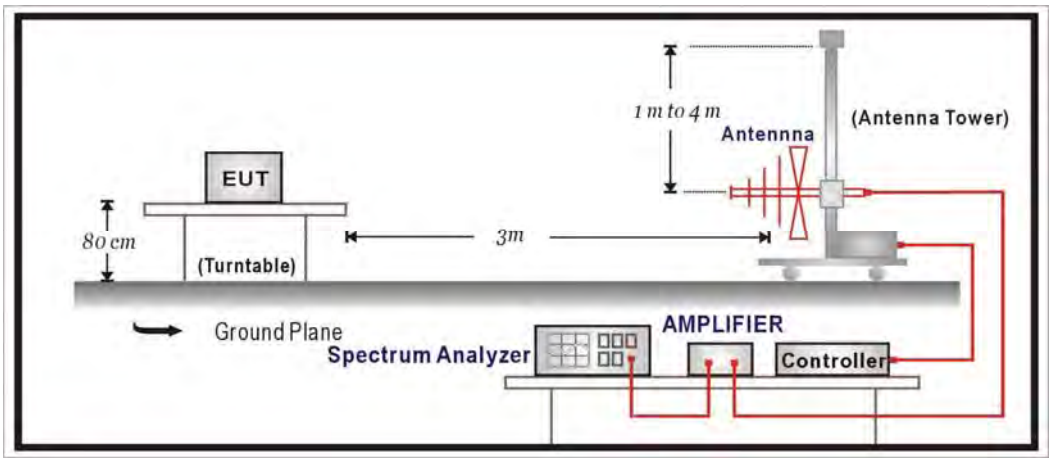
Radiated Emission / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2016/11/28	2017/11/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2017/01/23	2018/01/22
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2017/03/13	2018/03/12
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	203	2016/08/29	2017/08/28
Pre-Amplifier	RF Bay Inc.	LNA-1330	12162511	2017/03/09	2018/03/08
Pre-Amplifier	EMCI	EMCI 1830I	980366	2017/01/23	2018/01/22
Pre-Amplifier	MITEQ	JS44-45-8P	2014754	2016/12/26	2017/12/25

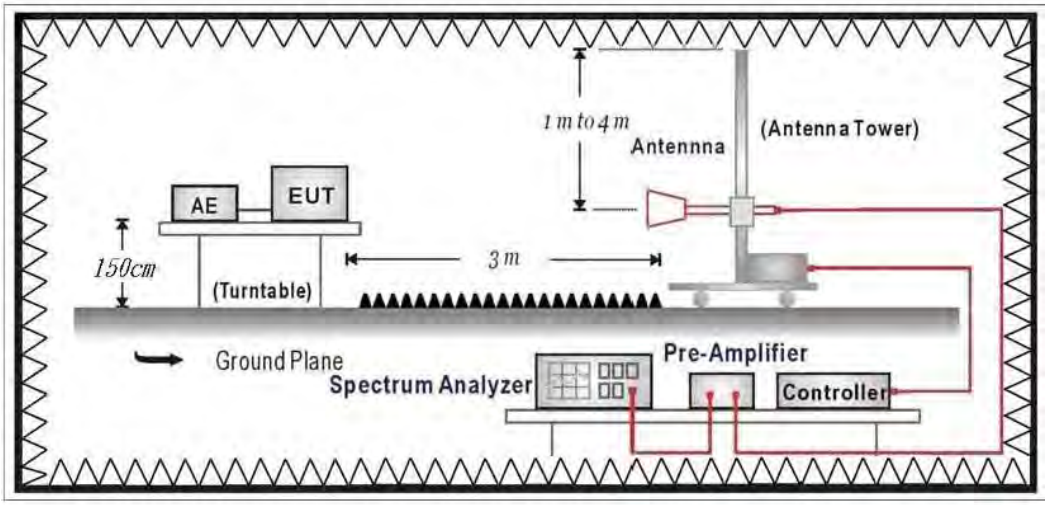
Note: All equipment that need to calibrate are with calibration period of 1 year.

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m	dBuV/m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 D01 V04 for compliance to FCC 47CFR 15.247 requirements.
The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

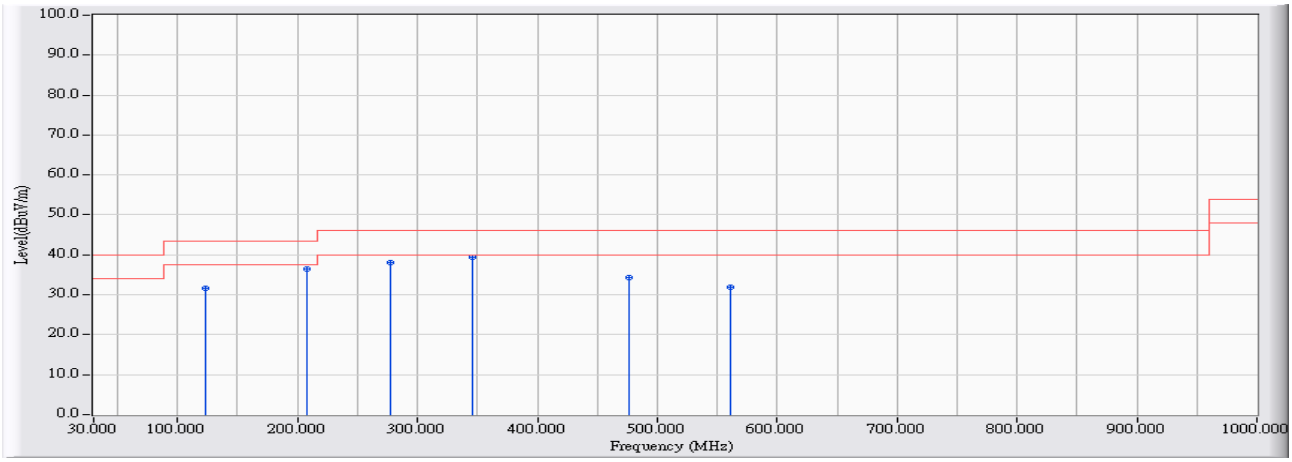
3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

3.6. Test Result

30MHz-1GHz Spurious

Site : CB2-H	**Time : 2017/08/09**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : DC 5V**
EUT : Beta+	**Note : Mode 1: Co-location-Power by PC**

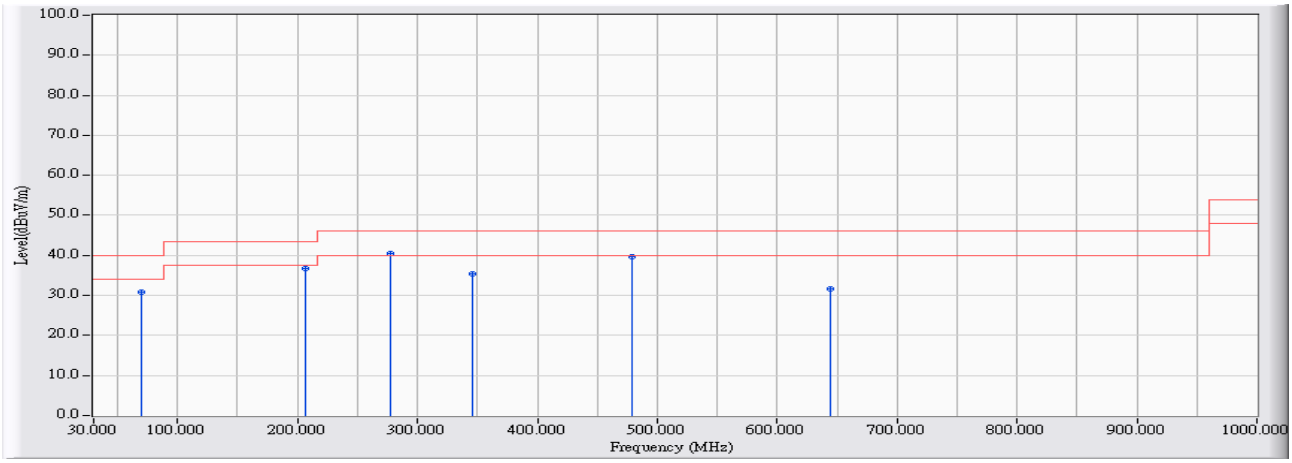


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		123.693	-21.202	52.829	31.626	-11.874	43.500	QUASIPEAK
2		207.492	-22.772	59.329	36.556	-6.944	43.500	QUASIPEAK
3		277.034	-19.723	57.723	38.001	-7.999	46.000	QUASIPEAK
4	*	346.188	-17.679	57.044	39.365	-6.635	46.000	QUASIPEAK
5		476.640	-14.901	49.294	34.393	-11.607	46.000	QUASIPEAK
6		560.440	-13.507	45.408	31.901	-14.099	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : CB2-H	**Time : 2017/08/09**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : DC 5V**
EUT : Beta+	**Note : Mode 1: Co-location-Power by PC**

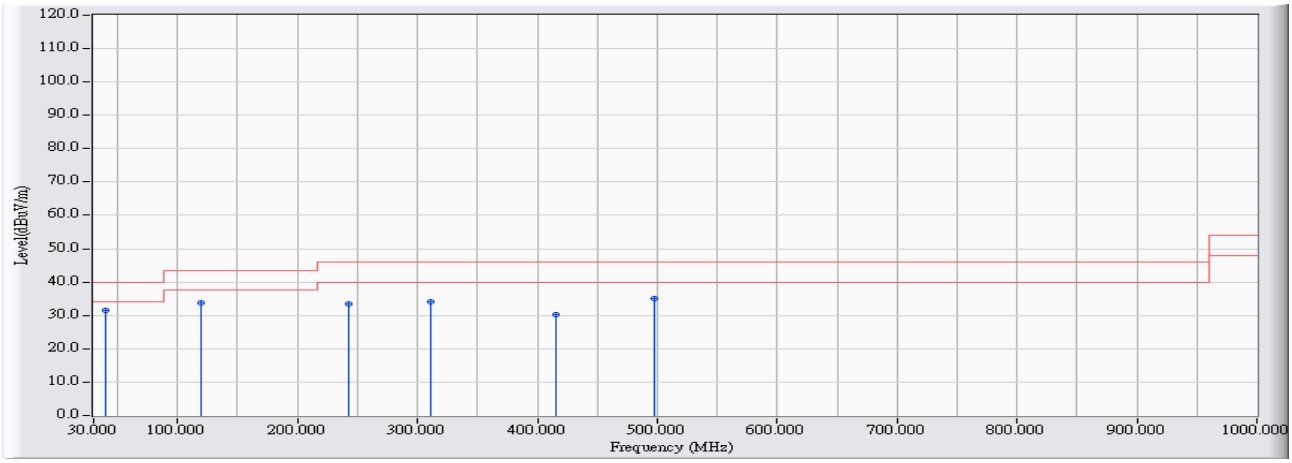


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		69.184	-27.884	58.738	30.855	-9.145	40.000	QUASIPEAK
2		206.910	-22.817	59.523	36.706	-6.794	43.500	QUASIPEAK
3	*	277.034	-19.723	60.336	40.614	-5.386	46.000	QUASIPEAK
4		346.188	-17.679	53.027	35.348	-10.652	46.000	QUASIPEAK
5		479.162	-14.889	54.700	39.811	-6.189	46.000	QUASIPEAK
6		643.755	-13.254	44.800	31.545	-14.455	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : CB2-H	**Time : 2017/08/15**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : Beta+	**Note : Mode 2: Co-location-Power by Adapter**

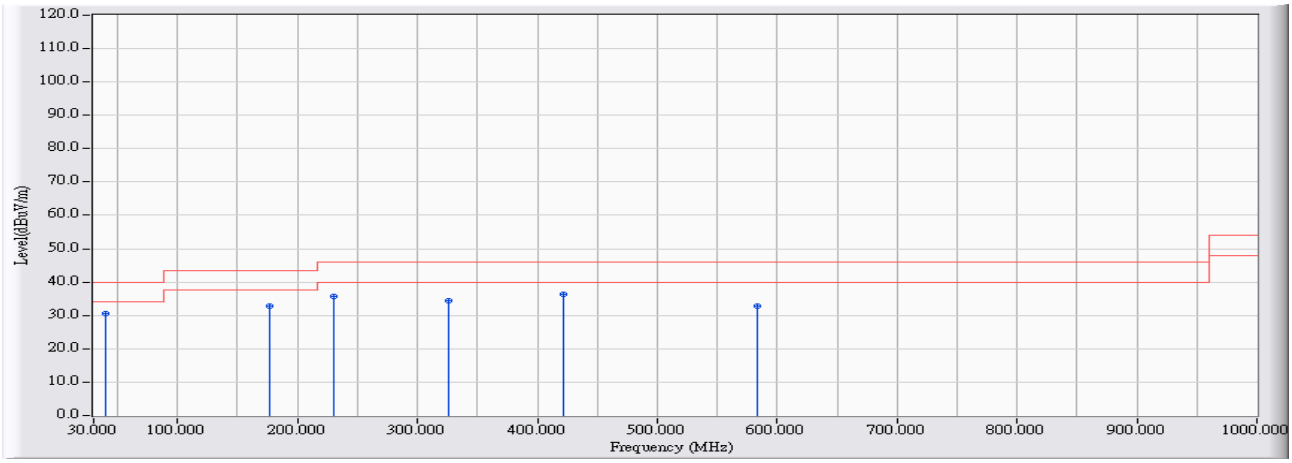


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	40.281	-16.631	48.009	31.378	-8.622	40.000	QUASIPEAK
2		119.910	-21.181	54.839	33.658	-9.842	43.500	QUASIPEAK
3		242.118	-20.844	54.281	33.437	-12.563	46.000	QUASIPEAK
4		310.593	-19.430	53.396	33.966	-12.034	46.000	QUASIPEAK
5		414.954	-15.989	46.095	30.106	-15.894	46.000	QUASIPEAK
6		497.784	-14.456	49.642	35.185	-10.815	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB2-H	**Time : 2017/08/15**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : CB2_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	**Power : AC 120V / 60Hz**
EUT : Beta+	**Note : Mode 2: Co-location-Power by Adapter**



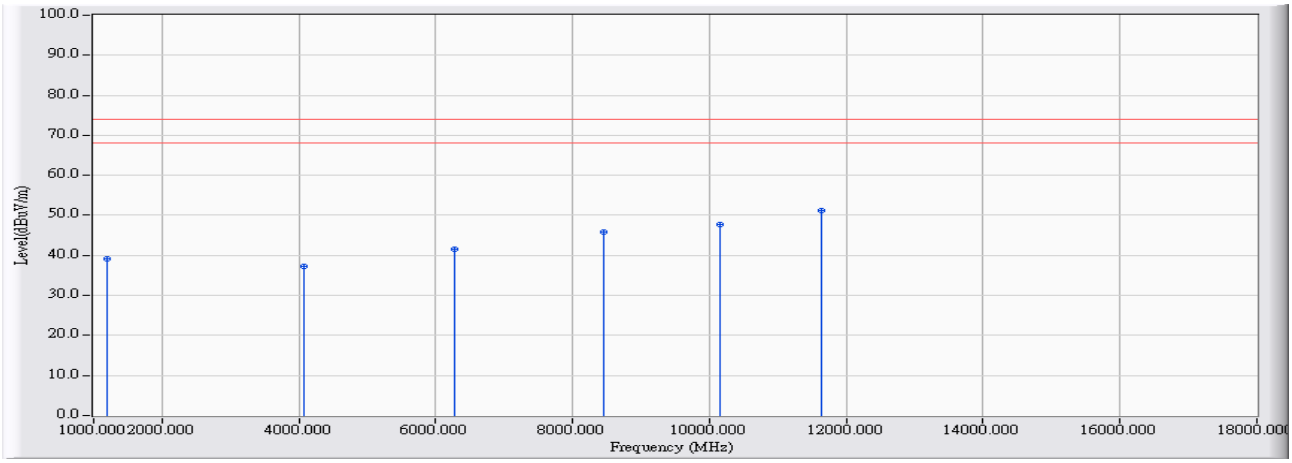
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	40.251	-16.605	47.035	30.429	-9.571	40.000	QUASIPEAK
2		176.940	-23.984	56.806	32.822	-10.678	43.500	QUASIPEAK
3		229.800	-21.558	57.323	35.764	-10.236	46.000	QUASIPEAK
4		325.626	-18.792	53.240	34.448	-11.552	46.000	QUASIPEAK
5		421.259	-16.124	52.329	36.205	-9.795	46.000	QUASIPEAK
6		583.815	-13.761	46.567	32.806	-13.194	46.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Harmonic & Spurious:

Site : CB2-H	**Time : 2017/08/09**
Limit : FCC_B_(Above_1G)_3M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	**Power : DC 5V**
EUT : Beta+	**Note : Mode 1: Co-location-Power by PC**

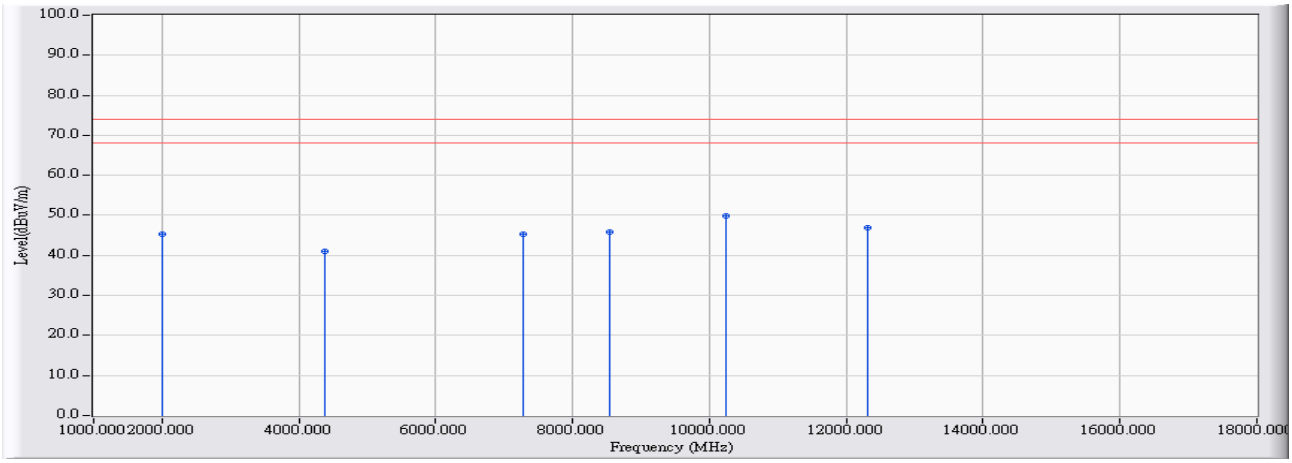


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1197.180	-14.045	53.145	39.101	-34.899	74.000	PEAK
2		4074.992	-3.906	41.296	37.391	-36.609	74.000	PEAK
3		6279.672	3.387	38.143	41.530	-32.470	74.000	PEAK
4		8453.754	9.657	36.068	45.725	-28.275	74.000	PEAK
5		10146.785	13.592	34.201	47.792	-26.208	74.000	PEAK
6	*	11632.437	16.906	34.270	51.176	-22.824	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

Site : CB2-H	**Time : 2017/08/09**
Limit : FCC_B_(Above_1G)_3M_PK	**Margin : 6**
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	**Power : DC 5V**
EUT : Beta+	**Note : Mode 1: Co-location-Power by PC**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		1996.100	-11.140	56.537	45.397	-28.603	74.000	PEAK
2		4382.662	-2.463	43.409	40.946	-33.054	74.000	PEAK
3		7268.973	7.360	38.010	45.370	-28.630	74.000	PEAK
4		8550.644	9.501	36.313	45.814	-28.186	74.000	PEAK
5	*	10243.675	13.836	36.137	49.972	-24.028	74.000	PEAK
6		12305.569	15.064	31.859	46.924	-27.076	74.000	PEAK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.