



NCC RADIO TEST REPORT

Equipment : 擴充底座
Brand Name : Fujitsu
Model Name : FPCPR374
Applicant : 台灣富士通股份有限公司
100 臺北市中正區中華路 1 段 39 號 19 樓
Manufacturer : Fujitsu Limited
4-1-1 Kamikodanaka, Nakahara-ku, Kawasaki-shi,
Kanagawa, 211-8588, Japan
Standard : NCC LP0002 (Jan. 10, 2018) Section 3.13

The product was received on Nov. 27, 2017, and testing was started from Dec. 13, 2017 and completed on Jun. 11, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013, NCC LP0002 (Jan. 10, 2018) Section 3.13, Millimeter Wave Test Procedures and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.


Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB Ver1.0

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	LP0002 2.3	AC Power Conducted Emissions	PASS	-
3.2	LP0002 3.13.1.3(3)	Occupied Bandwidth	PASS	-
3.3	LP0002 3.13.1.1(3)	EIRP Power	PASS	-
3.4	LP0002 3.13.1.3	Peak Conducted Power	PASS	-
3.5	LP0002 3.13.1.2	Transmitter Spurious Emissions	PASS	-
3.6	LP0002 3.13.1.4	Frequency Stability	PASS	-
Note: From Sporton Project No.: 7N2705.				

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Cindy Peng

1 General Description

1.1 Information

1.1.1 The Channel Plan(s)

Frequency Range	57-66 GHz
Operation Frequency	60.48 GHz

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	SiBEAM	SB6213	Integral Antenna	N/A	2

Note: The above information was declared by manufacturer.

1.1.3 Power Levels

Applicable power levels	☐ Conducted ☒ EIRP		
Antenna gain	2 dBi		
Frequency (GHz)	Highest setting (P_{high}): (dBm)		
	Modulation	AV Power	Peak Power
60.48	OOK	-2.65	6.61

1.1.4 Extreme Operating

The Extreme Operating Temperature Range that Apply to the Equipment	
☐ -20 °C to +50 °C	
☐ 0 °C to +40 °C	
☒ Other: -5 °C to +35 °C	
EUT Power Type	From Power Adapter
Supply Voltage	☒ AC State AC voltage 110 V
Supply Voltage	☐ DC State DC voltage V

1.1.5 Equipment Use Condition

Equipment Use Condition	
☐	Fixed field disturbance sensors at 61-61.5GHz
☐	Except fixed field disturbance sensors at 61-61.5GHz
☒	Except fixed field disturbance sensors

1.1.6 User Condition

Intended Operation	
☒	Indoor
☐	Outdoor

Note: The above information was declared by manufacturer.

1.2 Additional Information Provided by the Submitter

1.2.1 Modulation

Modulation	
The modulation is OOK.	
Can the transmitter operate un-modulated:	☒ Yes ☐ No

1.2.2 Duty Cycle

Duty Cycle		Duty Cycle Factor
The transmitter is intended for	100%	0

1.3 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter 1	Chicony	A13-090P1 A	INPUT: 100-240V ~ 1.5A, 50-60Hz OUTPUT: 19V, 4.74A
2	Adapter 2	Chicony	A13-090P2 A	INPUT: 100-240V ~ 1.5A, 50-60Hz OUTPUT: 19V, 4.74A
3	Adapter 3	Delta	ADP-90BE C	INPUT: 100-240V ~ 1.5A, 50-60Hz OUTPUT: 19V, 4.74A
4	Adapter 4	Delta	ADP-90BE D	INPUT: 100-240V ~ 1.5A, 50-60Hz OUTPUT: 19V, 4.74A

1.4 Support Equipment

For AC Power Conducted Emissions test:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Flash disk3.0 (USB Load)	Transcend	JetFlash-700	N/A
B	Flash disk3.0 (USB Load)	Transcend	JetFlash-700	N/A
C	Flash disk3.0 (USB Load)	Transcend	JetFlash-700	N/A

For Transmitter Spurious Emissions (below 1GHz) / Unintentional – CRX and Intentional – CTX, (above 1GHz) / Unintentional – CRX test:

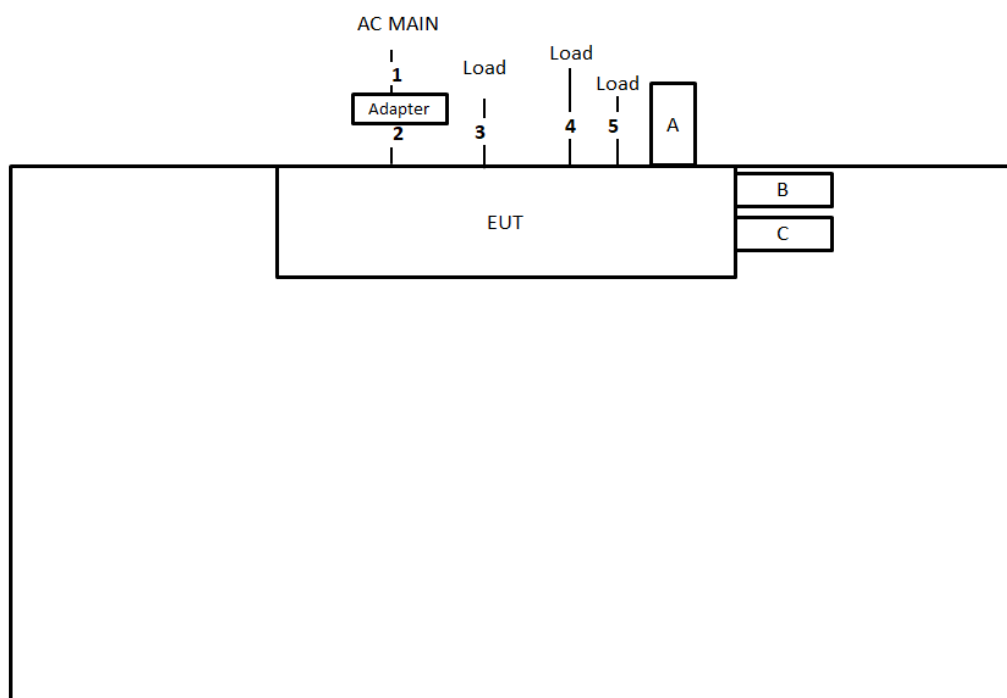
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Flash disk3.0 (USB Load)	Silicon Power	B06	N/A
B	Flash disk3.0 (USB Load)	Silicon Power	B06	N/A
C	Flash disk3.0 (USB Load)	Silicon Power	B06	N/A

For Transmitter Spurious Emissions (above 1GHz / Intentional – CTX) and other tests: N/A

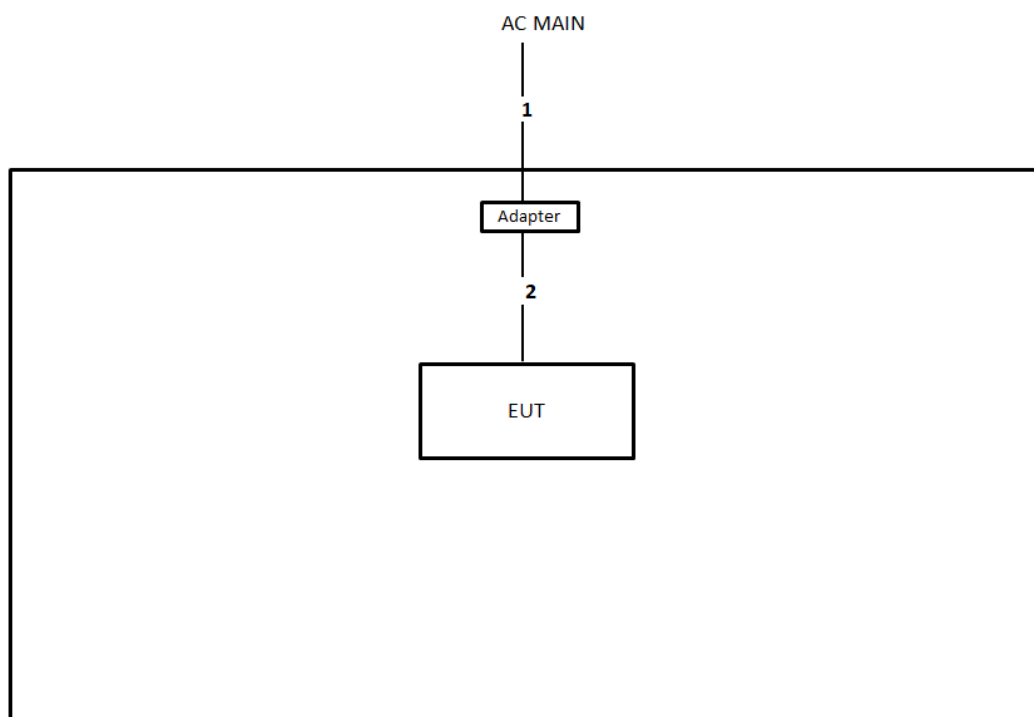
1.5 EUT Operation during Test

During the test, executed the test program to control the EUT continuously transmit /receive RF signal.



Test Setup Diagram - Transmitter Spurious Emissions (below 1GHz) / Unintentional – CRX and Intentional – CTX, (above 1GHz) / Unintentional – CRX


Item	Connection	Brand Name	Model Name	Shielded	Length
1	Power cable	-	-	No	1m
2	DC power cable	Chicony	A13-090P2 A	No	1.3m
3	RJ-45 cable	PowerSync	C65B10FL	No	1.5m
4	VGA cable	SHUTTLE-Z	LL80671	Yes	1.5m
5	HDMI cable	AWM	E101344-C	Yes	1.5m

Test Setup Diagram - Transmitter Spurious Emissions (above 1GHz) / Intentional – CTX


Item	Connection	Brand Name	Model Name	Shielded	Length
1	Power cable	-	-	No	2.1m
2	DC power cable	Delta	ADP-90BE C	No	1.3m

1.7 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ NCC LP0002 (Jan. 10, 2018) Section 3.13
- ♦ ANSI C63.10-2013 Section 9. "Procedures for testing millimeter-wave systems"

1.8 Testing Location

Testing Location		
☐	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.
AC Conduction	CO01-CB
Radiated (below 1 GHz) / Unintentional – CRX and Intentional – CTX	03CH03-CB
Radiated (above 1 GHz) / Unintentional – CRX	03CH06-CB
Radiated (above 1 GHz) / Intentional – CTX	03CH01-CB
RF Conducted (Frequency Stability test)	TH03-CB
RF Conducted (Other tests)	TH01-CB

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086B with Industry Canada.

2 Test Configuration of Equipment under Test

2.1 Test Channel Frequencies

Nominal Channel Bandwidth (GHz)
60.48

2.2 Conformance Tests and Related Test Frequencies

Test Item	Test Frequencies (GHz)	
AC Power Conducted Emissions	Unintentional – CRX	
	Intentional – CTX	
Occupied Bandwidth	60.48	
EIRP Power	60.48	
Peak Conducted Power	60.48	
Transmitter Spurious Emissions (below 1 GHz)	Unintentional – CRX	60.48
	Intentional – CTX	60.48
Transmitter Spurious Emissions (above 1 GHz)	Unintentional – CRX	60.48
	Intentional – CTX	60.48
Frequency Stability	Un-Modulation	

The following test modes were performed for all tests:

AC Power Conducted Emissions / Unintentional – CRX	
Test Mode	Description
There are four mode for EUT. 1. EUT + Adapter 1 2. EUT + Adapter 2 3. EUT + Adapter 3 4. EUT + Adapter 4 “EUT + Adapter 1” generated the worst test result for AC Power Conducted Emissions / Intentional – CTX test, thus the measurement for AC Power Conducted Emissions / Unintentional – CRX test will follow this same test configuration.	
1	EUT + Adapter 1

AC Power Conducted Emissions / Intentional – CTX	
Test Mode	Description
1	EUT + Adapter 1
2	EUT + Adapter 2
3	EUT + Adapter 3
4	EUT + Adapter 4
Mode 1 is the worst case, so it was selected to record in this test report.	

Transmitter Spurious Emissions test / (below 1 GHz) Intentional – CTX	
Test Mode	Description
1	EUT + Adapter 1
2	EUT + Adapter 2
3	EUT + Adapter 3
4	EUT + Adapter 4
Mode 2 is the worst case, so it was selected to record in this test report.	

Transmitter Spurious Emissions test / (below 1 GHz) Unintentional – CRX and (above 1 GHz) / Unintentional – CRX	
Test Mode	Description
There are four mode for EUT. 1. EUT + Adapter 1 2. EUT + Adapter 2 3. EUT + Adapter 3 4. EUT + Adapter 4 “EUT + Adapter 2” generated the worst test result for Transmitter Spurious Emissions test (below 1 GHz) / Intentional – CTX test, thus the measurement for Transmitter Spurious Emissions test / (below 1 GHz) Unintentional – CRX and (above 1 GHz) / Unintentional – CRX test will follow this same test configuration.	
1	EUT + Adapter 2

2.3 Far Field Boundary Calculations

The far-field boundary is given as:

$$\text{far field} = (2 * L^2) / \lambda$$

where:

L = Largest Antenna Dimension, including the reflector, in meters

λ = wavelength in meters

Far Field (m)				
Frequency (GHz)	L (m)	Lambda (m)	d(Far Field) (m)	d(Far Field) (cm)
60.48	0.02	0.0049603	0.161	16.13

3 Transmitter Test Result

3.1 AC Power Conducted Emissions

3.1.1 Limit of AC Power Conducted Emissions

AC Power Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note: * Decreases with the logarithm of the frequency.		

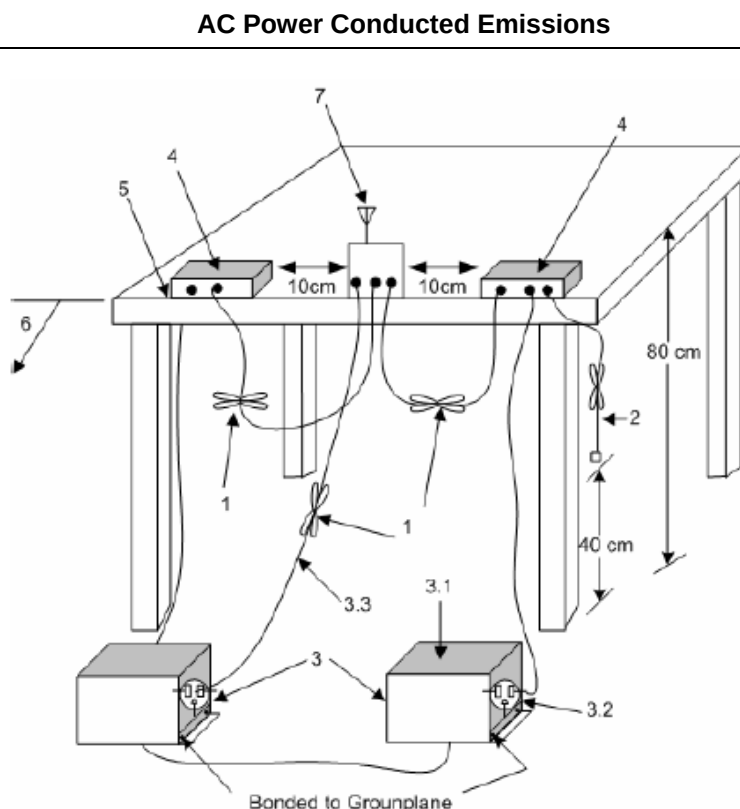
3.1.2 Measuring Instruments

Refer a measuring instruments list in this test report.

3.1.3 Test Procedures

Method of measurement: Refer as ANSI C63.10-2013, clause 6.2.

3.1.4 Test Setup



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.

2—The I/O cables that are not connected to an accessory 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.

3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.

3.1—All other equipment powered from additional LISN(s).

3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.

3.3—LISN at least 80 cm from nearest part of EUT chassis.

4—Non-EUT components of EUT system being tested.

5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.

6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

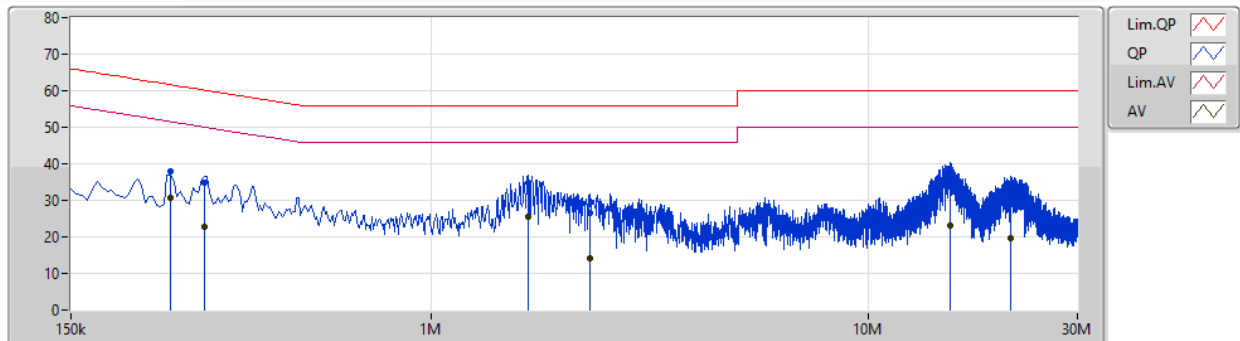
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Test Result of AC Power Conducted Emissions

Test Conditions	see ANSI C63.10, clause 5.11
Test Setup	see ANSI C63.10, clause 6.2.3
NOTE 1: If equipment having different channel plan and nominal channel bandwidth modes (see test report clause 1.1.1), the measurements are uninfluenced by different channel plan and nominal channel bandwidth modes, may not need to be repeated for all modes. If equipment having different transmit operating modes (see test report clause 1.1.2), the measurements are uninfluenced by different transmit operating modes, may not need to be repeated for all the operating modes. Similar, if the equipment supports different modulations and/or data rates, the measurements described in ANSI C63.10, clause 5.12 may not need to be repeated for all these modulations and data rates. Simple comparison of engineering test across all operating modes, modulations and data rates may need to be performed to define the worse case combination to be used for the conformance testing. NOTE 2: ">20dB" means the tables in this clause should only list values of spurious emissions that exceed the level of 20 dB below the applicable limit, see ANSI C63.4, clause 10.1.8.1.	

Temp	24.4~24.6°C	Humidity	67~69%
Test Engineer	Wei Li	Phase	Line
Configuration	Unintentional – CRX	Test Mode	Mode 1

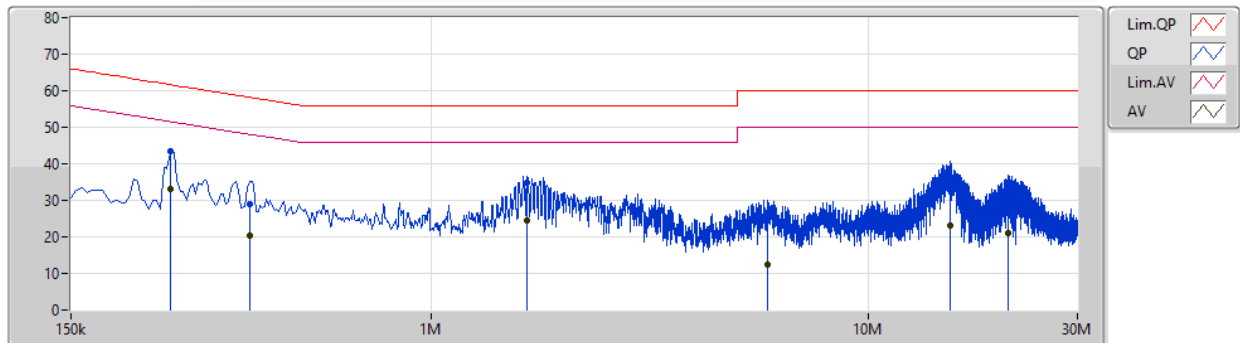
21/05/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	253.5k	38.02	61.64	-23.62	9.99	Line	-	28.03	0.06	0.13	9.80			
AV	253.5k	30.65	51.64	-20.99	9.99	Line	-	20.66	0.06	0.13	9.80			
QP	303k	34.66	60.17	-25.51	9.99	Line	-	24.67	0.06	0.13	9.80			
AV	303k	22.66	50.17	-27.51	9.99	Line	-	12.67	0.06	0.13	9.80			
QP	1.662M	34.89	56.00	-21.11	10.13	Line	-	24.76	0.08	0.22	9.83			
AV	1.662M	25.54	46.00	-20.46	10.13	Line	"Worst"	15.41	0.08	0.22	9.83			
QP	2.31M	26.46	56.00	-29.54	10.14	Line	-	16.32	0.10	0.21	9.83			
AV	2.31M	14.30	46.00	-31.70	10.14	Line	-	4.16	0.10	0.21	9.83			
QP	15.315M	35.43	60.00	-24.57	10.41	Line	-	25.02	0.26	0.22	9.93			
AV	15.315M	23.03	50.00	-26.97	10.41	Line	-	12.62	0.26	0.22	9.93			
QP	21.098M	32.12	60.00	-27.88	10.52	Line	-	21.60	0.30	0.22	10.00			
AV	21.098M	19.68	50.00	-30.32	10.52	Line	-	9.16	0.30	0.22	10.00			

Temp	24.4~24.6°C	Humidity	67~69%
Test Engineer	Wei Li	Phase	Neutral
Configuration	Unintentional – CRX	Test Mode	Mode 1

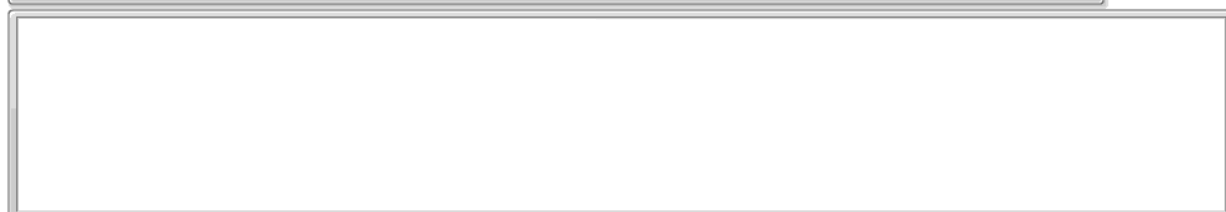
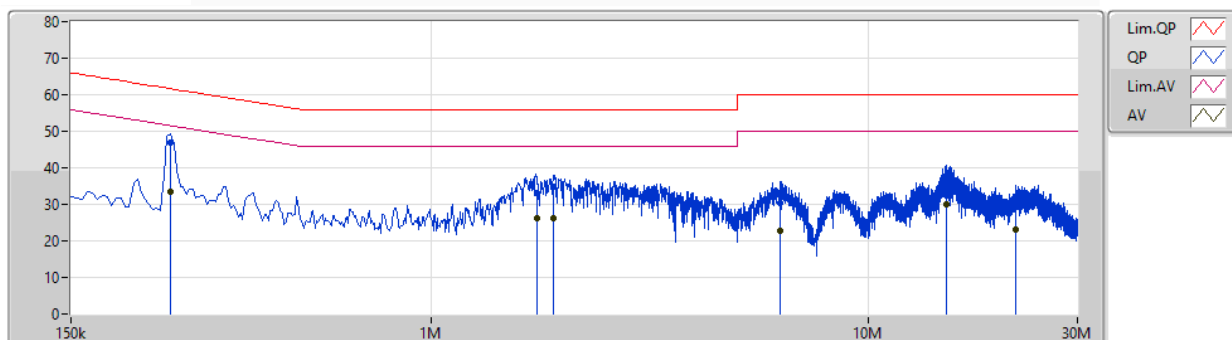
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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	253.5k	43.57	61.64	-18.07	9.97	Neutral	"Worst"	33.60	0.04	0.13	9.80			
AV	253.5k	33.21	51.64	-18.43	9.97	Neutral	-	23.24	0.04	0.13	9.80			
QP	384k	28.82	58.20	-29.38	9.97	Neutral	-	18.85	0.04	0.12	9.81			
AV	384k	20.51	48.20	-27.69	9.97	Neutral	-	10.54	0.04	0.12	9.81			
QP	1.658M	34.82	56.00	-21.18	10.12	Neutral	-	24.70	0.07	0.22	9.83			
AV	1.658M	24.46	46.00	-21.54	10.12	Neutral	-	14.34	0.07	0.22	9.83			
QP	5.883M	25.62	60.00	-34.38	10.14	Neutral	-	15.48	0.14	0.14	9.86			
AV	5.883M	12.43	50.00	-37.57	10.14	Neutral	-	2.29	0.14	0.14	9.86			
QP	15.356M	35.48	60.00	-24.52	10.38	Neutral	-	25.10	0.23	0.22	9.93			
AV	15.356M	23.10	50.00	-26.90	10.38	Neutral	-	12.72	0.23	0.22	9.93			
QP	20.837M	31.90	60.00	-28.10	10.48	Neutral	-	21.42	0.26	0.22	10.00			
AV	20.837M	21.04	50.00	-28.96	10.48	Neutral	-	10.56	0.26	0.22	10.00			

Temp	24.4~24.6°C	Humidity	67~69%
Test Engineer	Wei Li	Phase	Line
Configuration	Intentional – CTX	Test Mode	Mode 1

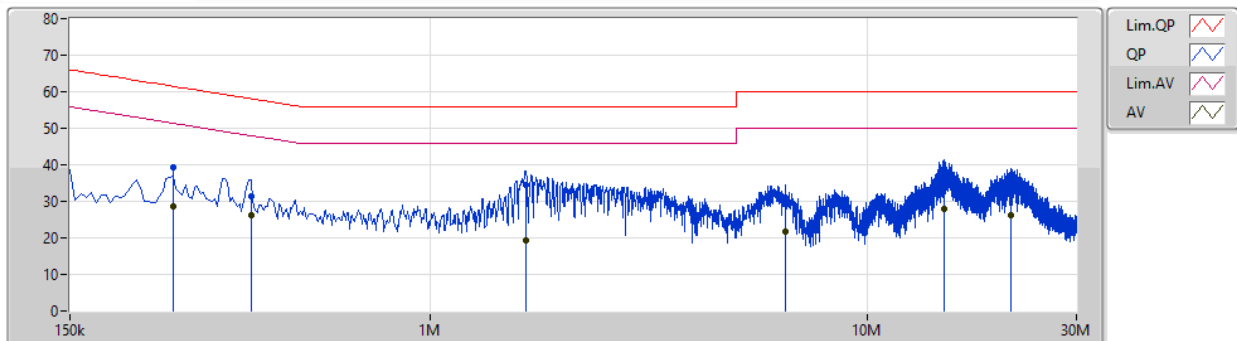
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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	253.5k	46.96	61.64	-14.68	9.99	Line	"Worst"	36.97	0.06	0.13	9.80			
AV	253.5k	33.59	51.64	-18.05	9.99	Line	-	23.60	0.06	0.13	9.80			
QP	1.739M	33.16	56.00	-22.84	10.14	Line	-	23.02	0.09	0.22	9.83			
AV	1.739M	26.19	46.00	-19.81	10.14	Line	-	16.05	0.09	0.22	9.83			
QP	1.905M	34.73	56.00	-21.27	10.15	Line	-	24.58	0.09	0.23	9.83			
AV	1.905M	26.09	46.00	-19.91	10.15	Line	-	15.94	0.09	0.23	9.83			
QP	6.293M	30.45	60.00	-29.55	10.16	Line	-	20.29	0.16	0.14	9.86			
AV	6.293M	22.88	50.00	-27.12	10.16	Line	-	12.72	0.16	0.14	9.86			
QP	15.081M	37.25	60.00	-22.75	10.40	Line	-	26.85	0.26	0.22	9.92			
AV	15.081M	29.85	50.00	-20.15	10.40	Line	-	19.45	0.26	0.22	9.92			
QP	21.746M	29.48	60.00	-30.52	10.53	Line	-	18.95	0.30	0.23	10.00			
AV	21.746M	22.96	50.00	-27.04	10.53	Line	-	12.43	0.30	0.23	10.00			

Temp	24.4~24.6°C	Humidity	67~69%
Test Engineer	Wei Li	Phase	Neutral
Configuration	Intentional – CTX	Test Mode	Mode 1

21/05/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	258k	39.48	61.49	-22.01	9.97	Neutral	-	29.51	0.04	0.13	9.80			
AV	258k	28.65	51.49	-22.84	9.97	Neutral	-	18.68	0.04	0.13	9.80			
QP	388.5k	31.54	58.10	-26.56	9.97	Neutral	-	21.57	0.04	0.12	9.81			
AV	388.5k	26.05	48.10	-22.05	9.97	Neutral	-	16.08	0.04	0.12	9.81			
QP	1.653M	34.49	56.00	-21.51	10.12	Neutral	"Worst"	24.37	0.07	0.22	9.83			
AV	1.653M	19.38	46.00	-26.62	10.12	Neutral	-	9.26	0.07	0.22	9.83			
QP	6.477M	31.15	60.00	-28.85	10.16	Neutral	-	20.99	0.15	0.14	9.87			
AV	6.477M	21.67	50.00	-28.33	10.16	Neutral	-	11.51	0.15	0.14	9.87			
QP	15M	36.60	60.00	-23.40	10.37	Neutral	-	26.23	0.23	0.22	9.92			
AV	15M	28.04	50.00	-21.96	10.37	Neutral	-	17.67	0.23	0.22	9.92			
QP	21.242M	34.49	60.00	-25.51	10.49	Neutral	-	24.00	0.27	0.22	10.00			
AV	21.242M	26.37	50.00	-23.63	10.49	Neutral	-	15.88	0.27	0.22	10.00			

3.2 Occupied Bandwidth

3.2.1 Limit of Occupied Bandwidth

6dBc Bandwidth (see Note 1)	None
26dBc Bandwidth	None
99% Occupied Bandwidth (see Note 2)	None
NOTE 1: The 6dBc bandwidth is the frequency bandwidth of the signal power at the -6 dBc points when measured with a 100 kHz resolution bandwidth. These measurements shall also be performed at normal test conditions.	
NOTE 2: The 99% occupied bandwidth is the frequency bandwidth of the signal power at the 99% channel power of occupied bandwidth when resolution bandwidth should be approximately 1 % to 5 % of the occupied bandwidth (OBW). These measurements shall also be performed at normal test conditions.	

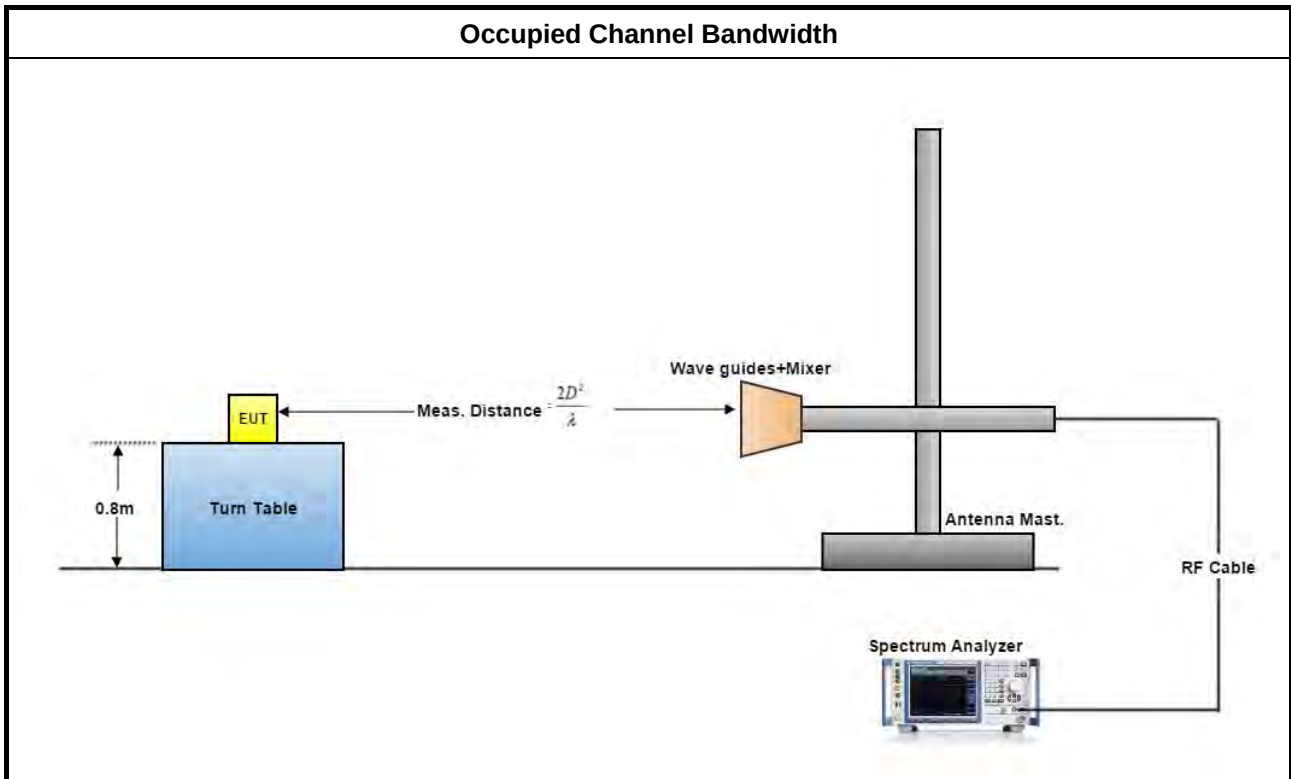
3.2.2 Measuring Instruments

Refer a measuring instruments list in this test report.

3.2.3 Test Procedures

Method of measurement: Refer as ANSI C63.10-2013, clauses 6.9.2.

3.2.4 Test Setup

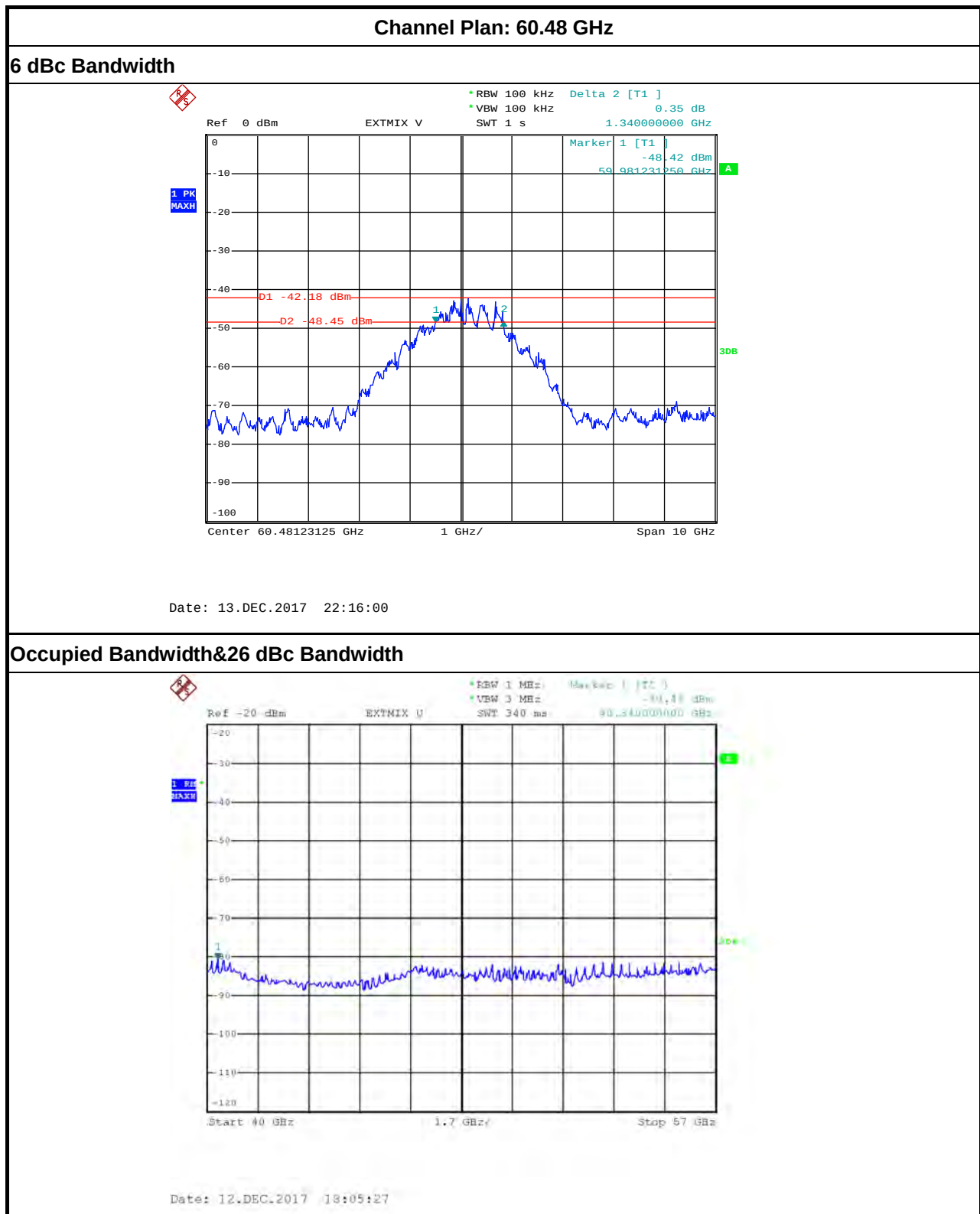


3.2.5 Test Result of Occupied Bandwidth

Test Conditions	see ANSI C63.10, clause 5.11
Test Setup	see ANSI C63.10, clause 6.9.2
NOTE: If equipment having different transmit operating modes (see test report clause 1.1.2), the measurements are uninfluenced by different transmit operating modes, may not need to be repeated for all the operating modes. Similar, if the equipment supports different modulations and/or data rates, the measurements described in ANSI C63.10, clause 5.11 may not need to be repeated for all these modulations and data rates. Simple comparison of engineering test across all operating modes, modulations and data rates may need to be performed to define the worse case combination to be used for the conformance testing. Refer as ANSI C63.10, clause 15, observe and record with plotted graphs or photographs the worst-case (i.e., widest) occupied bandwidth produced by these different modulation sources.	

Temp	22°C	Humidity	54%	
Test Engineer	Gary Chu			
Test Results				
Test Freq. (GHz)	6 dBc Bandwidth (MHz)	Occupied Bandwidth (MHz)	26 dBc Bandwidth (MHz)	Limit (MHz)
60.48	1340.00	4670.00	8660.00	N/A

3.2.5.1 Bandwidth Plots



3.3 EIRP Power

3.3.1 Limit of EIRP Power

EIRP Power Limit		
Use Condition	EIRP Average Power	EIRP Peak Power
Fixed field disturbance sensors at within the frequency band 61-61.5GHz	40 dBm	43 dBm
Fixed field disturbance sensors at outside of the band 61-61.5GHz	10 dBm	13 dBm
Except fixed field disturbance sensors at 61-61.5GHz	N/A	10 dBm
Except fixed field disturbance sensors(indoor)	40 dBm	43 dBm
Except fixed field disturbance sensors(outdoor)	82 dBm	85 dBm

NOTE: For the applicable limit, see LP0002 3.13.1.1(3)(B)

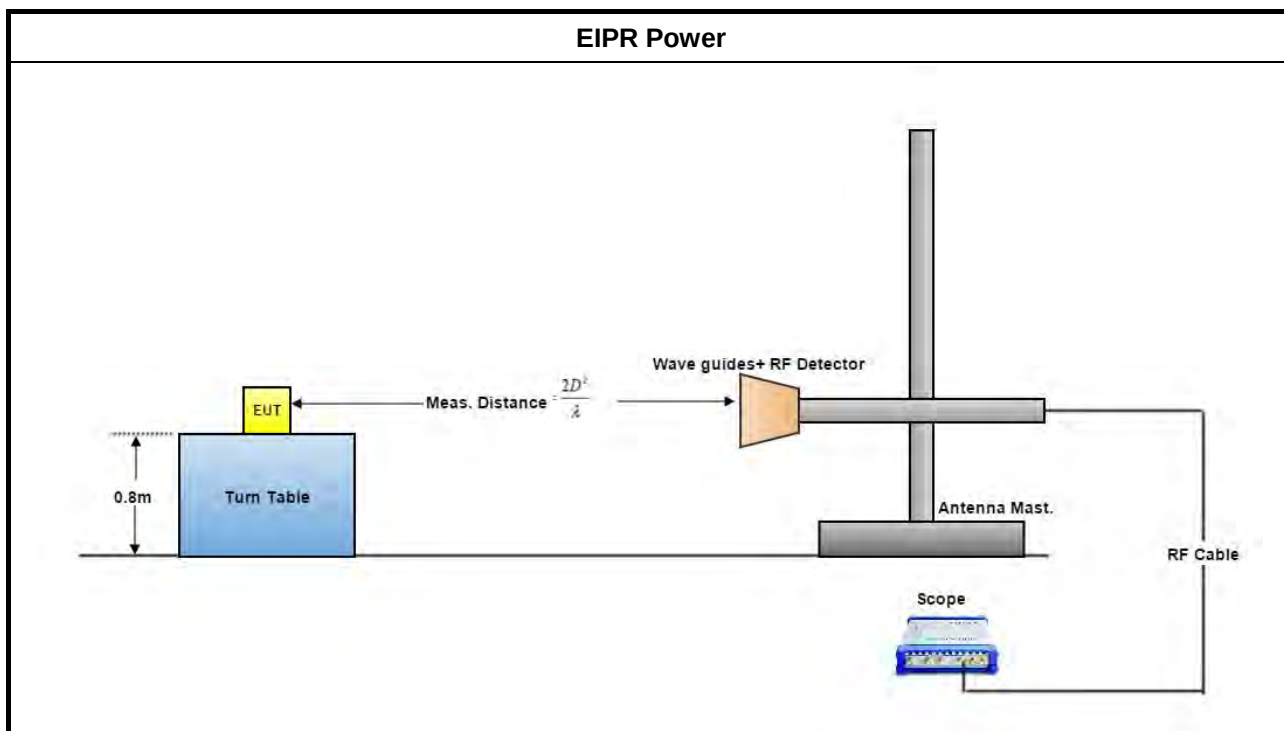
3.3.2 Measuring Instruments

Refer a measuring instruments list in this test report.

3.3.3 Test Procedures

Method of measurement: Refer as ANSI C63.10-2013 clause 9.3 & 9.5.

3.3.4 Test Setup



3.3.5 Test Result of EIRP Power

Test Conditions see ANSI C63.10, clause 5.11 & clause 9

Test Setup see ANSI C63.10, clause 9.11

NOTE: If the equipment supports different modulations and/or data rates, the measurements described in ANSI C63.10, clause 5.11 may not need to be repeated for all these modulations and data rates. Simple comparison of engineering test across all operating modes, modulations and data rates may need to be performed to define the worst case combination to be used for the conformance testing.

3.3.5.1 Test Result of EIRP Power

Temp		22°C				Humidity		54%			
Test Engineer		Gary Chu				Test Distance		0.5 m			
Test Date		Dec. 13, 2017 ~ Dec. 14, 2017									
Test Results											
Test Freq. (GHz)	RX Gain (dBi)	DSO (mV)		Power Measured (dBm)		E _{Meas} (dBuV/m)		EIRP (dBm)		EIRP Limit (dBm) (note 1)	
		Peak	AV	Peak	AV	Peak	AV	Peak	AV	Peak	AV
60.48	23	1.28	0.315	-32.46	-41.72	117.43	108.17	6.61	-2.65	43	40
The measured power level is converted to EIRP using the Friis equation: For radiated emissions, calculate the field strength (E) in dBμV/meter. E = 126.8 – 20log(λ) + P - G where: E : is the field strength of the emission at the measurement distance, in dBμV/m P : is the power measured at the output of the test antenna, in dBm λ: is the wavelength of the emission under investigation [300/fMHz], in m G : is the gain of the test antenna, in dBi For radiated emissions, calculate the EIRP (dBm). If the measurement was performed in the far field, calculate the EIRP. EIRP = E-meas +20log(d-meas)-104.7 where: EIRP : is the equivalent isotopically radiated power, in dBm E-meas. : is the field strength of the emission at the measurement distance, in dBμV/m d-meas. : is the measurement distance, in m NOTE 1: For the applicable limit, see LP0002 3.13.1.1(3)(B) NOTE 2: The comparison method which replaces EUT with a signal generator is used to find the correct conversion factor between “DSO(mV)” & “Power Measured(dBm)”.											

3.4 Peak Conducted Power

3.4.1 Limit of Peak Conducted Power

Peak Conducted Power Limit	
6dBc Bandwidth	Peak Conducted Power (note 1)
> 100MHz	500mW
≤ 100MHz	500mW x (BW/100) (see note 2)
NOTE 1: For the applicable limit, see LP0002 3.13.1.3	
NOTE 2: BW= 6dB bandwidth (measured at RBW 100kHz)	

3.4.2 Measuring Instruments

Refer a measuring instruments list in this test report.

3.4.3 Test Procedures

Method of measurement: Refer as ANSI C63.10-2013, clause 9.5

3.4.4 Test Result of Peak Conducted Power

Test Conditions	see ANSI C63.10, clause 5.11 & clause 9
Test Setup	see ANSI C63.10, clause 9.11
NOTE: If the equipment supports different modulations and/or data rates, the measurements described in ANSI C63.10, clause 5.11 may not need to be repeated for all these modulations and data rates. Simple comparison of engineering test across all operating modes, modulations and data rates may need to be performed to define the worst case combination to be used for the conformance testing.	

3.4.4.1 Peak Conducted Power

Temp	22℃			Humidity	54%	
Test Engineer	Gary Chu					
Test Date	Dec. 13, 2017 ~ Dec. 14, 2017					
Test Results						
Test Freq. (GHz)	EIRP (dBm)	Max. Ant. Gain (dBi)	Peak Power (dBm) (note1)	Peak Power (mW)	6dBc BW (MHz) (note2)	Peak Power Limit (mW) (note3)
60.48	6.61	2	4.61	2.890	1340.00	500.00
NOTE 1: Because EUT used for the integral antenna without temporary RF connector provided. Therefore peak conducted power is equal to EIRP power subtract the antenna gain.						
NOTE 2: For the 6dBc bandwidth, see test report clause 3.2.5.						
NOTE 3: For the applicable limit, see LP0002 3.13.1.3						
NOTE 4: For radiated emission measurements, calculate conducted transmitter output power P(cond)(dBm)						
P(cond) = EIRP - G(dBi)						
where:						
G(dBi) is gain of EUT antenna.						

3.5 Transmitter Spurious Emissions

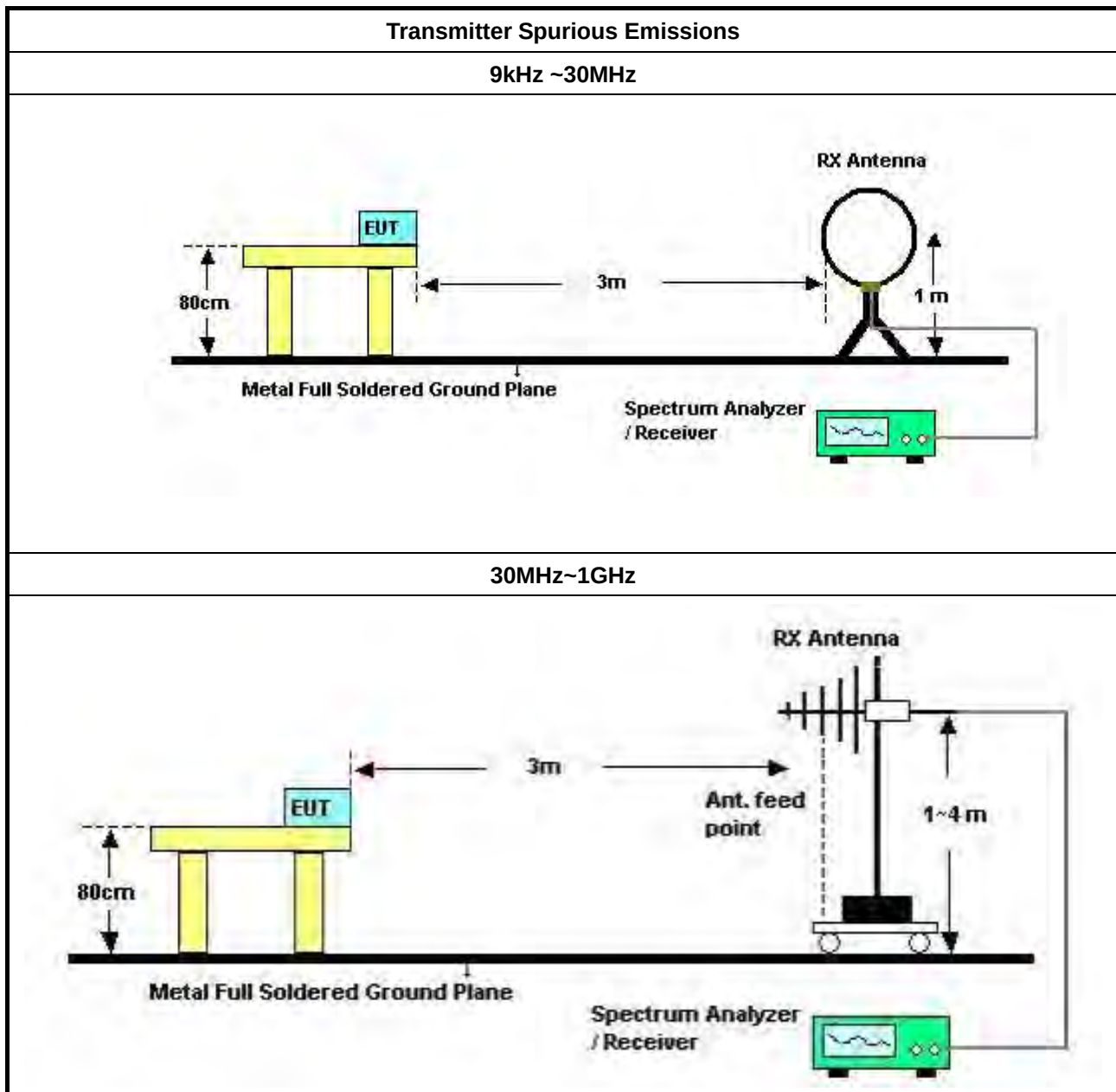
3.5.1 Limit of Transmitter Spurious Emissions

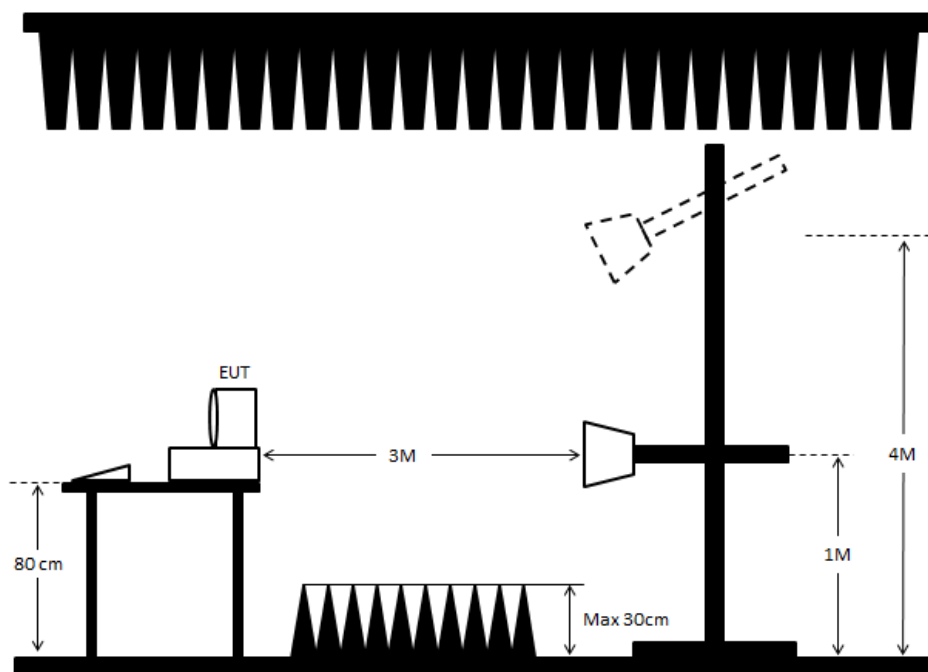
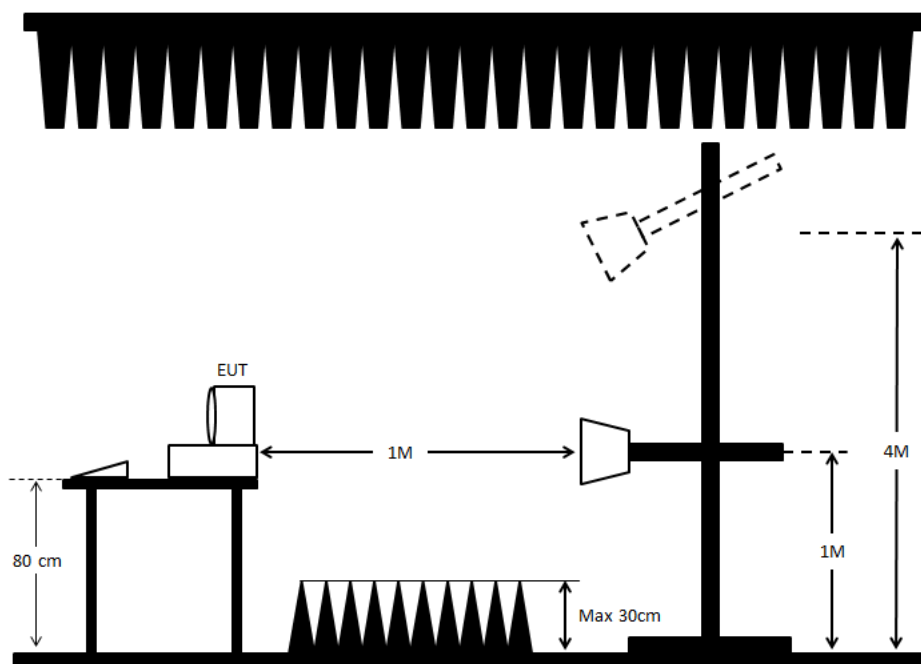
Frequency Range	Limit
Radiated emissions below 40 GHz	LP0002 2.8
Radiated emissions above 40 GHz – 200GHz	90 pW/cm ² @ 3 m (Equivalent EIRP 102 µW, -9.91dBm)
NOTE 1: For the applicable limit, see LP0002 3.13.1.2	
NOTE 2: Spurious emissions shall not exceed the level of the fundamental emission.	

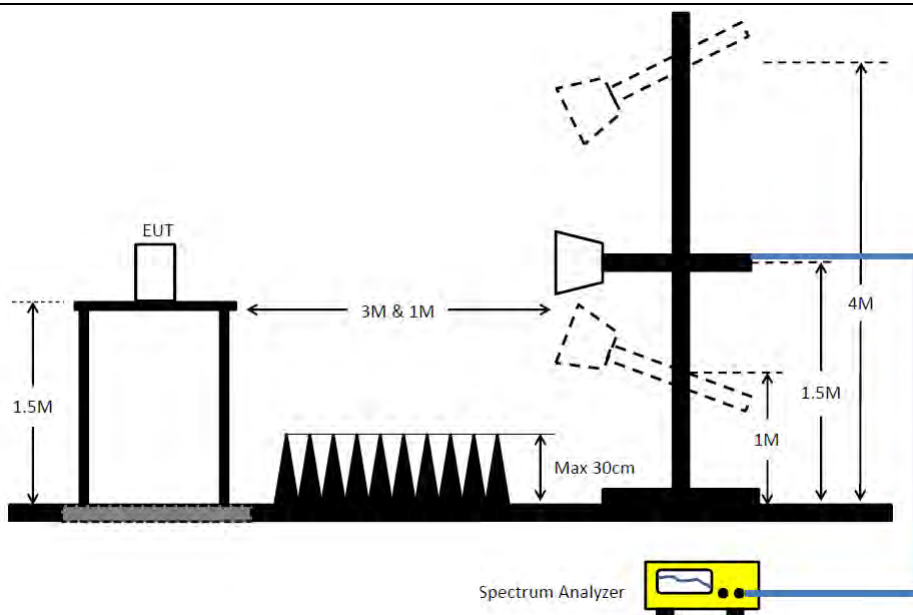
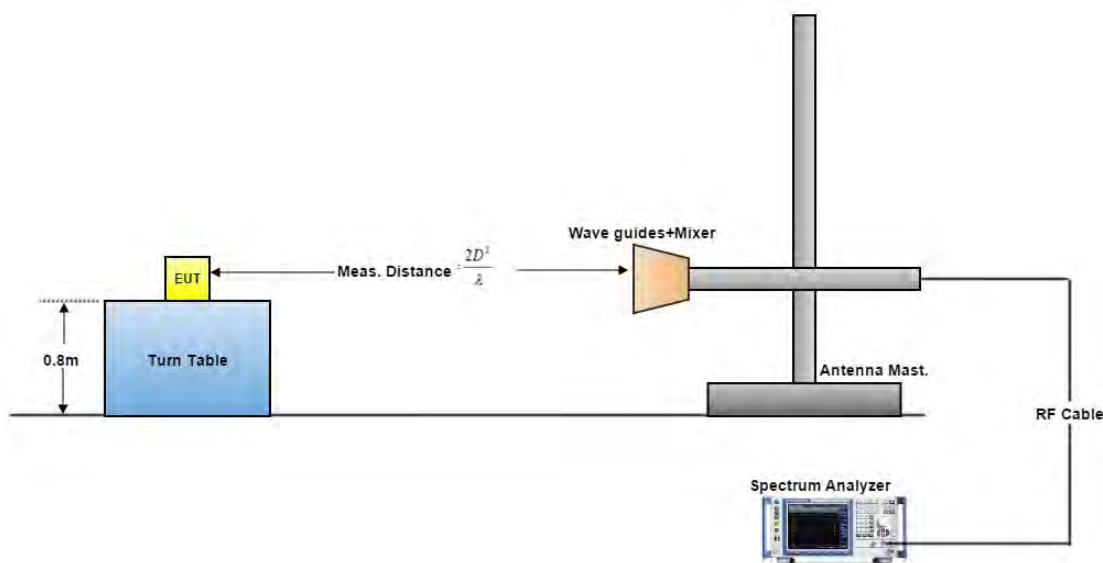
3.5.2 Test Procedures

Method of measurement: Refer as ANSI C63.10-2013, clause 9.12

3.5.3 Test Setup



1 GHz-40 GHz / Unintentional – CRX
1,000~18,000 MHz

18,000~40,000 MHz


1 GHz-40 GHz / Intentional – CTX

Above 40GHz


A measuring distance of at 3 m shall be used for measurements at frequencies up to 15 GHz. For frequencies above 15 GHz, any suitable measuring distance may be used. The measurement distance is chosen up to far field distance, depending on the test system noise floor for detecting spurious emission signals. Then above 15 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from spec. distance (3 m) to measurement distance. Distance extrapolation factor = $20 \log (\text{spec. distance [3 m]} / \text{measurement distance [N m]})$ (dB). The measurements described in ANSI C63.10, clause 7.8.6. If the emission cannot be detected at 1 m, reduce the RBW to increase system sensitivity. Note the value. If the emission still cannot be detected, move the horn closer to the EUT, noting the distance at which a measurement is made.

3.5.4 Test Result of Transmitter Spurious Emissions

Test Conditions	see ANSI C63.10, clause 5.11 & clause 9
Test Setup	see ANSI C63.10, clause 9.12 ~ 9.13
NOTE: If equipment having different channel plan and nominal channel bandwidth modes (see test report clause 1.1.1), the measurements are uninfluenced by different channel plan and nominal channel bandwidth modes, may not need to be repeated for all modes.	

3.5.5 Measurement Results Calculation

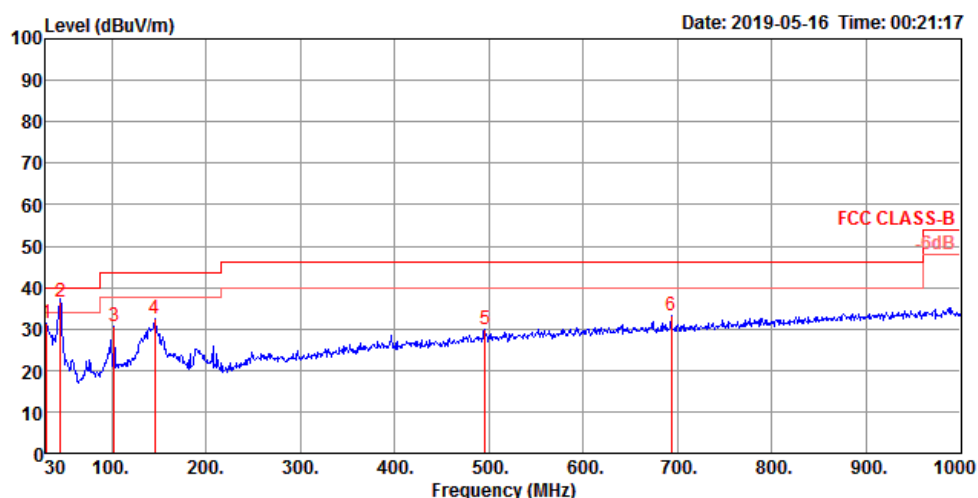
The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

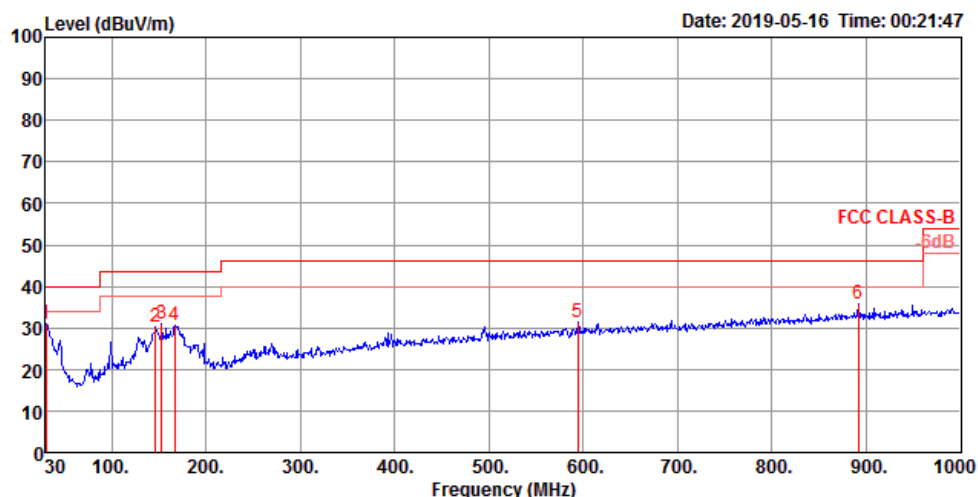
3.5.5.1 Test Result of Transmitter Spurious Emissions

Temp	22~24°C	Humidity	50~60%
Test Engineer	Cola Fan	Test Distance	3 m
Test Range	30 MHz – 1000 MHz	Configuration	Unintentional – CRX
Test Mode	Mode 2		

Vertical

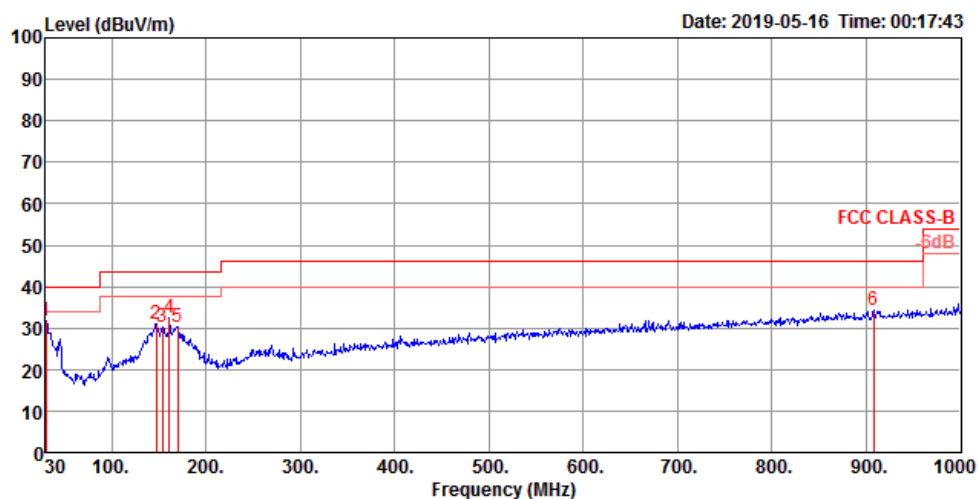


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	30.97	31.31	40.00	-8.69	36.97	0.69	25.11	31.46	200	179	Peak
2	45.52	36.38	40.00	-3.62	50.41	0.90	16.78	31.71	100	206	QP
3	102.75	30.55	43.50	-12.95	43.69	1.32	17.41	31.87	125	238	Peak
4	145.43	32.37	43.50	-11.13	45.41	1.54	17.31	31.89	100	265	Peak
5	495.60	29.78	46.00	-16.22	35.36	2.92	23.75	32.25	200	207	Peak
6	693.48	33.38	46.00	-12.62	36.85	3.44	25.59	32.50	100	203	Peak

Horizontal


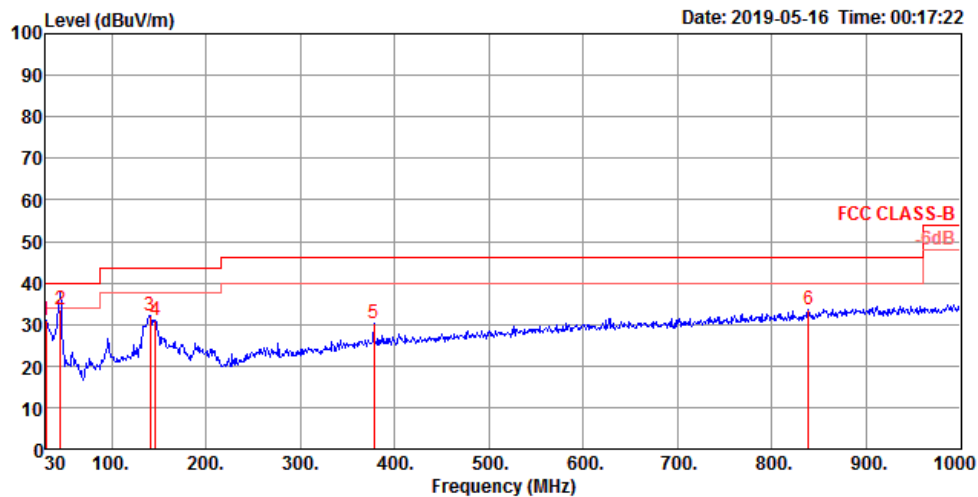
	Freq	Level	Limit	Over	Read	CableAntenna		Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	30.00	31.18	40.00	-8.82	36.24	0.67	25.70	31.43	200	137	Peak	HORIZONTAL
2	146.40	30.16	43.50	-13.34	43.29	1.54	17.22	31.89	200	235	Peak	HORIZONTAL
3	153.19	30.82	43.50	-12.68	44.37	1.57	16.77	31.89	200	266	Peak	HORIZONTAL
4	166.77	30.70	43.50	-12.80	44.79	1.64	16.17	31.90	200	271	Peak	HORIZONTAL
5	594.54	31.47	46.00	-14.53	35.71	3.29	24.88	32.41	200	192	Peak	HORIZONTAL
6	891.36	35.78	46.00	-10.22	36.59	4.03	27.62	32.46	150	197	Peak	HORIZONTAL

Temp	22~24°C	Humidity	50~60%
Test Engineer	Cola Fan	Test Distance	3 m
Test Range	30 MHz – 1000 MHz	Configuration	Intentional – CTX
Test Mode	Mode 1		

Vertical


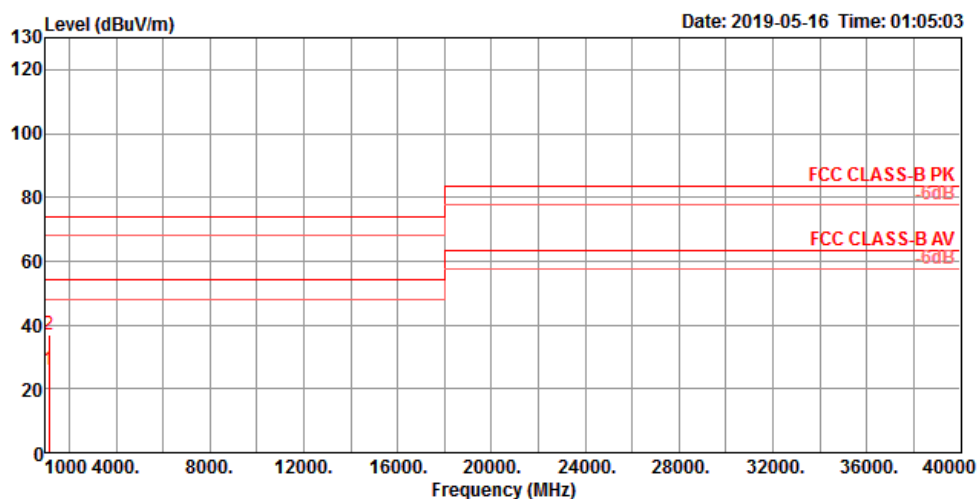
	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	30.00	31.80	40.00	-8.20	36.86	0.67	25.70	31.43	200	182	Peak	HORIZONTAL
2	147.37	31.15	43.50	-12.35	44.37	1.55	17.12	31.89	200	247	Peak	HORIZONTAL
3	154.16	30.20	43.50	-13.30	43.79	1.58	16.72	31.89	200	247	Peak	HORIZONTAL
4	160.95	32.32	43.50	-11.18	46.16	1.61	16.44	31.89	300	278	Peak	HORIZONTAL
5	169.68	30.31	43.50	-13.19	44.53	1.66	16.03	31.91	200	274	Peak	HORIZONTAL
6	907.85	34.26	46.00	-11.74	34.89	4.09	27.74	32.46	100	276	Peak	HORIZONTAL

Horizontal



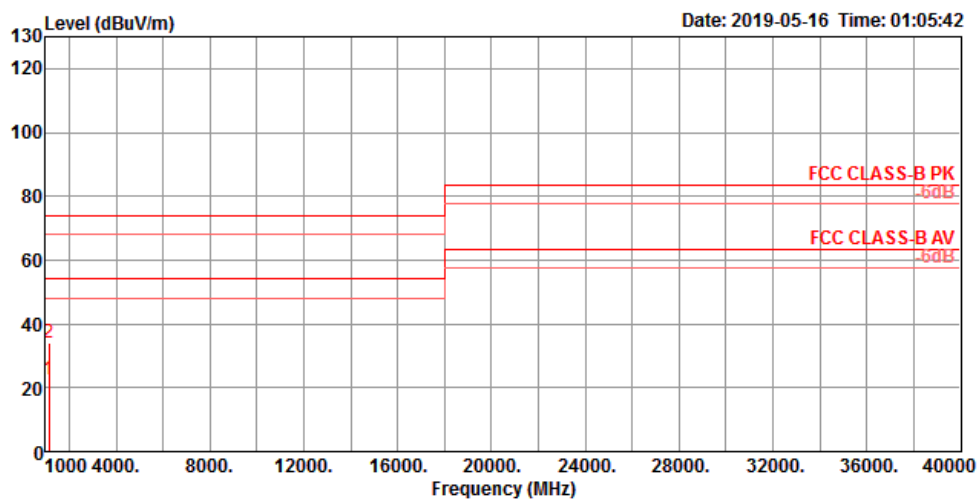
	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	30.90	40.00	-9.10	35.96	0.67	25.70	31.43	200	185	Peak	VERTICAL
2	45.52	33.54	40.00	-6.46	47.57	0.90	16.78	31.71	100	305	QP	VERTICAL
3	140.58	31.96	43.50	-11.54	44.59	1.51	17.75	31.89	100	247	Peak	VERTICAL
4	146.40	30.92	43.50	-12.58	44.05	1.54	17.22	31.89	100	247	Peak	VERTICAL
5	378.23	30.31	46.00	-15.69	37.95	2.52	21.95	32.11	300	187	Peak	VERTICAL
6	838.98	33.64	46.00	-12.36	35.17	3.75	27.17	32.45	200	295	Peak	VERTICAL

Temp	22~24°C	Humidity	50~60%
Test Engineer	Cola Fan	Test Distance	3 m
Test Range	1 GHz – 40 GHz	Configuration	Unintentional – CRX

Vertical


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	1134.18	26.01	54.00	-27.99	35.10	2.80	25.04	36.93	108	172	Average
2	1143.79	36.90	74.00	-37.10	45.90	2.81	25.12	36.93	108	172	Peak

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	1133.19	22.67	54.00	-31.33	31.80	2.80	25.00	36.93	104	70 Average	HORIZONTAL
2	1144.45	34.01	74.00	-39.99	42.96	2.82	25.16	36.93	104	70 Peak	HORIZONTAL



Temp	22°C	Humidity	54%
Test Engineer	DK Chang	Test Distance	3 m
Test Range	1 GHz – 40 GHz	Test Freq. (GHz)	60.48
Test Date	Dec. 14, 2017	Configuration	Intentional – CTX

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	3500.58	46.09	74.00	-27.91	43.79	7.31	28.70	33.71	158	302	Peak	VERTICAL
2	3501.33	33.09	54.00	-20.91	30.76	7.32	28.72	33.71	158	302	Average	VERTICAL

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	3501.01	45.09	74.00	-28.91	42.76	7.32	28.72	33.71	234	122	Peak	HORIZONTAL
2	3501.68	33.09	54.00	-20.91	30.76	7.32	28.72	33.71	234	122	Average	HORIZONTAL



Temp	22°C	Humidity	54%
Test Engineer	DK Chang	Test Date	Dec. 14, 2017
Test Range	40GHz – 200GHz	Configuration	Intentional – CTX

Test Frequency (GHz)	Rx Antenna Gain (dBi)	Measurement Distance (m)	Read Worse Frequency (GHz)	Read Level (dBm)
60.48	23.0	0.50	40.34	-80.44
EIRP (dBm)	Specification Distance (m)	Power Density (pW/cm²)	Limit (pW/cm²)	Test Result
-2.65	0.54	0.000108	1.00	Complied

Note:

$EIRP = Prx - Grx + \text{Free Space Path Loss} = Prx - Grx + 20\log(4\pi d / \lambda)^2$

Which

$Prx = \text{Read Level.}$

$Grx = \text{Rx Antenna Gain.}$

A distance factor is offset and the formula is $20\log(D1/D2)$

Which

$D1 = \text{Specification Distance}$

$D2 = \text{Measurement Distance}$

3.6 Frequency Stability

3.6.1 Limit of Frequency Stability

Frequency Stability	Limit
Refer as LP0002 3.13.1.4 and ANSI C63.10-2013, clause 9.14	within the frequency bands
Note: These measurements shall also be performed at normal and extreme test conditions.	

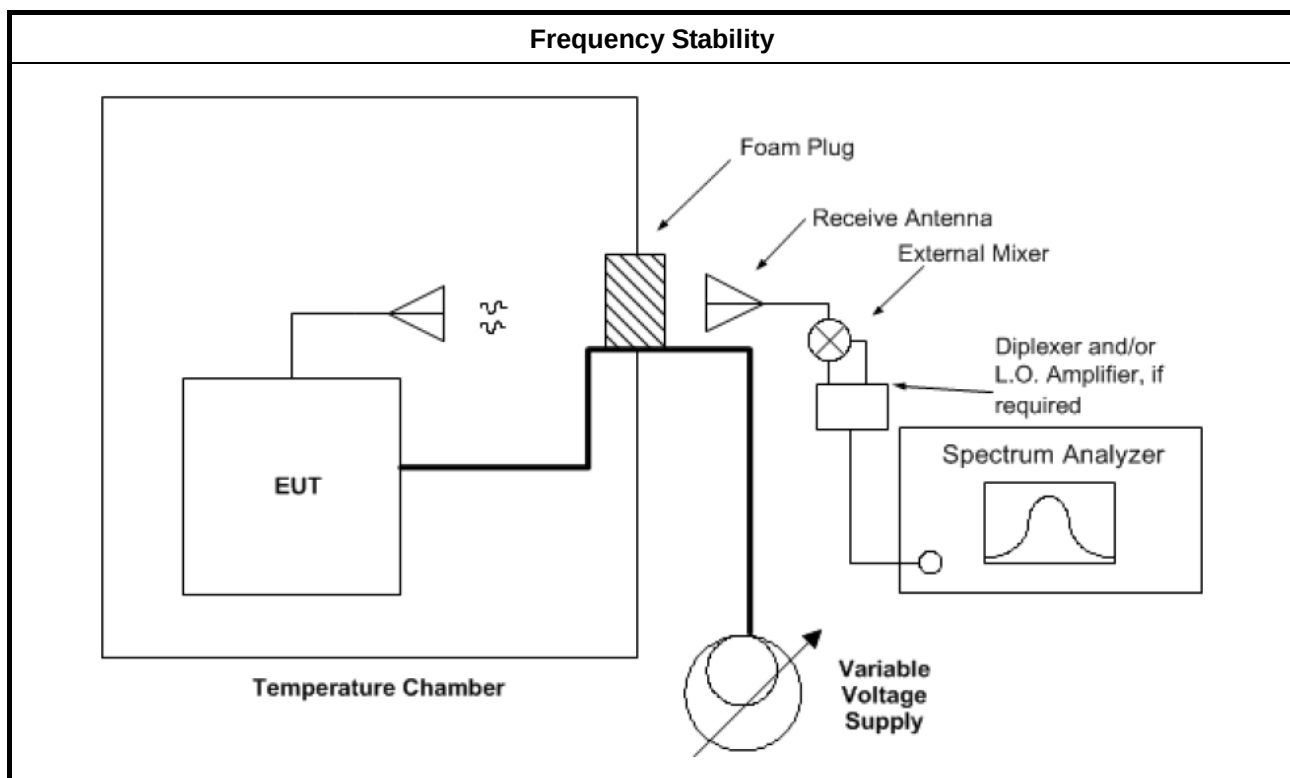
3.6.2 Measuring Instruments

Refer a measuring instruments list in this test report.

3.6.3 Test Procedures

Method of measurement: Refer as ANSI C63.10-2013, clauses 9.14.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Test Conditions	see ANSI C63.10, clause 5.11 & clause 9
Test Setup	see ANSI C63.10, clause 9.14
NOTE: If equipment having different channel plan and nominal channel bandwidth modes (see test report clause 1.1.1), the measurements are uninfluenced by different channel plan and nominal channel bandwidth modes, may not need to be repeated for all modes.	

3.6.5.1 Frequency Stability with Respect to Ambient Temperature

Frequency Stability with Respect to Ambient Temperature			
Temp	22°C	Humidity	54%
Test Engineer	Gary Chu	Test Date	Dec. 13, 2017 ~ Dec. 14, 2017
Test Results			
Test Temperature (°C)	Measured Frequency (MHz)	Delta Frequency (kHz)	Limit (±kHz)
-5	60479.4561	-17.50	60479.4561
0	60479.5621	88.50	60479.5621
10	60479.5831	109.50	60479.5831
20	60479.4736	Reference	60479.4736
30	60479.4129	-60.70	60479.4129
35	60479.4954	21.80	60479.4954
NOTE: The manufacturer's specified temperature range of -5 to 35°C.			

**3.6.5.2 Frequency Stability When Varying Supply Voltage**

Frequency Stability When Varying Supply Voltage			
Temp	22~24℃	Humidity	50~60%
Test Engineer	Gary Chu	Test Date	Jun. 11, 2019
Test Results			
Test Voltage: (Vac)	Measured Frequency (MHz)	Delta Frequency (kHz)	Limit (±kHz)
93.5	60479.5815	-33.40	Within band
110	60479.6149	Reference	Within band
126.5	60479.5492	-65.70	Within band

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Bilog Antenna with 6 dB attenuator	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Jan. 02, 2019	Jan. 01, 2020	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 16, 2019	Jan. 15, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP-40	100019	9kHz ~ 40GHz	Apr. 25, 2018	Apr. 24, 2019	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+27	25MHz ~ 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 20, 2018	Jul. 19, 2019	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 07, 2018	Jun. 06, 2019	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 08, 2019	May 07, 2020	Radiation (03CH06-CB)
Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
Mixer	OML	M19HW/A	U91113-1	40 ~ 60 GHz	Oct. 12, 2017	Oct. 11, 2018	Radiation (03CH01-CB)
Mixer	OML	M15HW/A	V91113-1	50 ~ 75 GHz	Oct. 12, 2017	Oct. 11, 2018	Radiation (03CH01-CB)
Mixer	OML	M12HW/A	E91113-1	60 ~ 90 GHz	Oct. 12, 2017	Oct. 11, 2018	Radiation (03CH01-CB)
Mixer	OML	M08HW/A	F91113-1	90 ~ 140 GHz	Oct. 12, 2017	Oct. 11, 2018	Radiation (03CH01-CB)
Mixer	OML	M05HW/A	G91113-1	140 ~ 220 GHz	Oct. 12, 2017	Oct. 11, 2018	Radiation (03CH01-CB)
Standard Horn Antenna	Custom Microwave	M19RH	U91113-A	40 ~ 60 GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Standard Horn Antenna	Custom Microwave	M15RH	V91113-A	50 ~ 75 GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Standard Horn Antenna	Custom Microwave	M12RH	E91113-A	60 ~ 90 GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Standard Horn Antenna	Custom Microwave	M08RH	F91113-A	90 ~ 140 GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Standard Horn Antenna	Custom Microwave	M05RH	G91113-A	140 ~ 220 GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Detector	Millitech	DET-15-RPFW0	#A16473(067)	50 ~ 75 GHz	Mar. 06, 2017	Mar. 05, 2018	Radiation (03CH01-CB)
Pico Scope	Pico	Pico Scope 6402C	CX372/002	N/A	Jul. 26, 2017	Jul. 25, 2018	Radiation (03CH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)
Temp. and Humidity Chamber	Gaint Force	GTH-408-40-CP-AR	MAA1410-011	-40~100 degree	Sep. 14, 2018	Sep. 13, 2019	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

5 Measurement Uncertainty

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz) / For Test Site No.: 03CH01-CB	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz) / For Test Site No.: 03CH01-CB	3.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz) / For Test Site No.: 03CH06-CB	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz) / For Test Site No.: 03CH06-CB	4.7 dB	Confidence levels of 95%
Radiated Emission (40GHz ~ 220GHz)	4.7 dB	Confidence levels of 95%