

FCC Test Report

Report No.: RFBGQZ-WTW-P21031060

FCC ID: M72-EDGEE220

Test Model: POLY EDGE E220

Received Date: Mar. 30, 2021

Test Date: Sep. 22 ~ Sep. 29, 2021

Issued Date: Mar. 01, 2022

Applicant: Polycom Inc.

Address: 6001 America Center Drive, San Jose, California 95002, United States

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location (1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City

33383, TAIWAN

FCC Registration / 788550 / TW0003

Designation Number:

Test Location (2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

FCC Registration / 281270 / TW0032

Designation Number:





This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification.

Report No.: RFBGQZ-WTW-P21031060 Page No. 1 / 40 Report Format Version: 6.1.2



Table of Contents

R	Release Control Record4					
1	Certificate of Conformity5					
2	:	Summary of Test Results	6			
	2.1	Measurement Uncertainty	6			
	2.2	Modification Record				
3		General Information	7			
	3.1	General Description of EUT				
	3.1	Description of Test Modes				
	3.2.1	·				
	3.3	Duty Cycle of Test Signal				
	3.4	Description of Support Units				
	3.4.1					
	3.5	General Description of Applied Standards and References				
4	•	Test Types and Results				
	4.1	Radiated Emission and Bandedge Measurement	13			
		Limits of Radiated Emission and Bandedge Measurement				
		2 Test Instruments				
		3 Test Procedures				
		5 Test Setup				
		S EUT Operating Conditions				
		7 Test Results				
	4.2	Conducted Emission Measurement	25			
		Limits of Conducted Emission Measurement				
		2 Test Instruments				
		3 Test Procedures				
		Deviation from Test Standard				
		5 Test Setup				
		7 Test Results				
	4.3	6dB Bandwidth Measurement				
	4.3.1	Limits of 6dB Bandwidth Measurement				
		2 Test Setup				
		3 Test Instruments				
		Test Procedure				
		5 Deviation fromTest Standard				
		7 Test Result				
	4.4	Conducted Output Power Measurement				
	4.4.1	Limits of Conducted Output Power Measurement				
	4.4.2	2 Test Setup	33			
		3 Test Instruments				
		Test Procedures				
		5 Deviation from Test Standard				
		S EUT Operating Conditions 7 Test Results				
	4.4.7	Power Spectral Density Measurement				
		Limits of Power Spectral Density Measurement				
		2 Test Setup				
		3 Test Instruments				
		For the Procedure				
		5 Deviation from Test Standard				
	4.5.6	S EUT Operating Condition	34			



4.5.7 Test Results 35 4.6 Conducted Out of Band Emission Measurement 36 4.6.1 Limits of Conducted Out of Band Emission Measurement 36 4.6.2 Test Setup 36 4.6.3 Test Instruments 36 4.6.4 Test Procedure 36 4.6.5 Deviation from Test Standard 36 4.6.6 EUT Operating Condition 36 4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 38 Appendix - Information of the Testing Laboratories 40							
4.6.1 Limits of Conducted Out of Band Emission Measurement 36 4.6.2 Test Setup 36 4.6.3 Test Instruments 36 4.6.4 Test Procedure 36 4.6.5 Deviation from Test Standard 36 4.6.6 EUT Operating Condition 36 4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 38	4.5.7	Test Results	35				
4.6.2 Test Setup 36 4.6.3 Test Instruments 36 4.6.4 Test Procedure 36 4.6.5 Deviation from Test Standard 36 4.6.6 EUT Operating Condition 36 4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 39	4.6	Conducted Out of Band Emission Measurement	36				
4.6.3 Test Instruments 36 4.6.4 Test Procedure 36 4.6.5 Deviation from Test Standard 36 4.6.6 EUT Operating Condition 36 4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 39	4.6.1	Limits of Conducted Out of Band Emission Measurement	36				
4.6.3 Test Instruments 36 4.6.4 Test Procedure 36 4.6.5 Deviation from Test Standard 36 4.6.6 EUT Operating Condition 36 4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 39	4.6.2	Test Setup	36				
4.6.5 Deviation from Test Standard 36 4.6.6 EUT Operating Condition 36 4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 39	4.6.3	Test Instruments	36				
4.6.6 EUT Operating Condition							
4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 39							
4.6.7 Test Results 36 Annex A - Band Edge Measurement 38 5 Pictures of Test Arrangements 39	4.6.6	EUT Operating Condition	36				
5 Pictures of Test Arrangements	4.6.7	Test Results	36				
	Annex	A - Band Edge Measurement	38				
Appendix – Information of the Testing Laboratories	5 I	Pictures of Test Arrangements	39				
	Appen	Appendix – Information of the Testing Laboratories40					



Release Control Record

Issue No.	Description	Date Issued	
RFBGQZ-WTW-P21031060	Original release	Mar. 01, 2022	



1 Certificate of Conformity

Product: IP Phone

Brand: POLY

Test Model: POLY EDGE E220

Sample Status: Engineering sample

Applicant: Polycom Inc.

Test Date: Sep. 22 ~ Sep. 29, 2021

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)

ANSI C63.10:2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by: () Ne Chou, Date: Mar. 01, 2022

Celine Chou / Senior Specialist

Approved by : , Date: Mar. 01, 2022

Jeremy Lin / Project Engineer



2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)							
FCC Clause	Test Item	Result	Remarks				
15.207	5.205 / Radiated Emissions and Band Edge Measurement		Meet the requirement of limit. Minimum passing margin is -14.15dB at 0.15400MHz.				
15.205 / 15.209 / 15.247(d)			Meet the requirement of limit. Minimum passing margin is -8.5dB at 56.19MHz.				
15.247(d)	47(d) Antenna Port Emission		Meet the requirement of limit.				
15.247(a)(2)	6dB bandwidth	Pass	Meet the requirement of limit.				
15.247(b)	Conducted power	Pass	Meet the requirement of limit.				
15.247(e)	15.247(e) Power Spectral Density		Meet the requirement of limit.				
15.203	Antenna Requirement	Pass	No antenna connector is used.				

Note:

- 1. For 2.4G band compliance with rule 15.247(d) of the band-edge items, the test plots were recorded in Annex A. Test Procedures refer to report 4.1.3.
- 2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 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 Lot do specified in Olei IV 10 4 2.						
Measurement	Frequency	Expanded Uncertainty (k=2) (±)				
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.79 dB				
	9kHz ~ 30MHz	3.00 dB				
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	2.91 dB				
	200MHz ~1000MHz	2.92 dB				
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	1.76 dB				
Radiated Emissions above 1 GHZ	18GHz ~ 40GHz	1.77 dB				

2.2 Modification Record

There were no modifications required for compliance.



3 General Information

3.1 General Description of EUT

Product	IP Phone			
Brand	POLY			
Test Model	POLY EDGE E220			
FW Version	MFG 1.0.8			
Sample Status	Engineering sample			
Dower Cumply Dating	5Vdc from adapter			
Power Supply Rating	48Vdc from POE			
Modulation Type	GFSK			
Transfer Rate	1Mbps			
Operating Frequency	2402 ~ 2480MHz			
Number of Channel	40			
Channel Spacing	2MHz			
Output Power	1.400mW			
Antenna Type	PCB antenna with 2.48dBi gain			
Antenna Connector	NA			
Accessory Device	Refer to note			
Cabla Cumplied	0.57m non-shielded coil cable without core			
Cable Supplied	1.524m non-shielded LAN cable without core			

Note:

1. The EUT consumes power from the following adapter & POE.

Adapter					
Brand	Mass Power				
Model	S018-1A050300VU				
Input Power	100-240Vac, 50/60Hz, 0.6A				
Output Power	5Vdc, 3A				
Power Line	1.5m cable without core attached on adapter				

POE (For support unit only)					
Brand	CERIO				
Model	POE-S48G2				
Input Power	48Vdc				

Adapter for POE (For support unit only)					
Brand L.T.E					
Model LTE36ES-S5-1					
Input Power	100-240Vac, 50/60Hz, 0.75A				
Output Power	48Vdc, 0.75A				
Power Line	1.8m cable without core attached on adapter				



2. Power Setting as below.

CH 0	Default
CH 19	Default
CH 39	Default

^{*} This FW version is used for testing purpose

3.2 Description of Test Modes

40 channels are provided to this EUT:

Channel	Freq. (MHz)						
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

^{3.} The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.



3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure	Applicable to				D
Mode	RE≥1G	RE<1G	PLC	APCM	Description
Α	V	√	√	√	Powered by adapter
В	-	√	√	-	Powered by POE

Where RE≥1G: Radiated Emission above 1GHz

&

RE<1G: Radiated Emission below 1GHz

Bandedge Measurement

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

Note: Radiated emission test (below 1GHz) and power line conducted emission test items chosen the worst maximum power.

Radiated Emission Test (Above 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
Α	0 to 39	0, 19, 39	GFSK	1

Radiated Emission Test (Below 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	T Configure Mode Available Channel		Modulation Type	Data Rate (Mbps)
A, B	0 to 39	39	GFSK	1

Power Line Conducted Emission Test:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
 Following channel(s) was (were) selected for the final test as listed below.

Pollowing charmer(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
A, B	0 to 39	39	GFSK	1

Antenna Port Conducted Measurement:

- This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations
 between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
Α	0 to 39	0, 19, 39	GFSK	1

Test Condition:

Applicable to	Applicable to Environmental Conditions		Tested by
RE≥1G	24 deg. C, 67% RH	120Vac, 60Hz	Edison Lee
RE<1G	24 deg. C, 67% RH	120Vac, 60Hz 48Vdc Edison Lee	
PLC	25 deg. C, 75% RH	120Vac, 60Hz 48Vdc	Rex Wang
APCM 25 deg. C, 60% RH		120Vac, 60Hz	Ivan Tseng

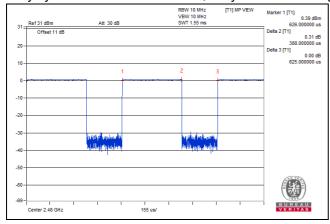
Report No.: RFBGQZ-WTW-P21031060 Page No. 9 / 40 Report Format Version: 6.1.2



3.3 Duty Cycle of Test Signal

Duty cycle of test signal is < 98%.

Duty cycle = 0.388/0.625 = 0.621, Duty factor = 10 * log (1/0.621) = 2.07





3.4 Description of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
Α.	Load	NA	NA	NA	NA	-
B.	USB Flash	SanDisk	SDDDC3-032G	NA	NA	-
C.	POE	CERIO	POE-S48G2	NA	NA	Provided by client
D.	Adapter	L.T.E	LTE36ES-S5-1	NA	NA	Provided by client
E.	Notebook	DELL	E5410	1HC2XM1	FCC DoC Approved	-

Note:

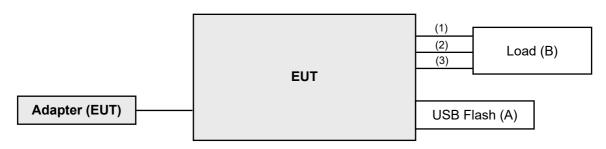
- 1. All power cords of the above support units are non-shielded (1.8m).
- 2. Item E acted as communication partner to transfer data.

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	LAN	1	1.524	N	0	RJ45, Cat5e Accessory of EUT
2.	LAN	1	1.5	Ν	0	RJ45, Cat5e
3.	RJ9	1	1	N	0	-
4.	LAN	1	10	N	0	RJ45, Cat5e
5.	LAN	1	1.5	N	0	RJ45, Cat5e

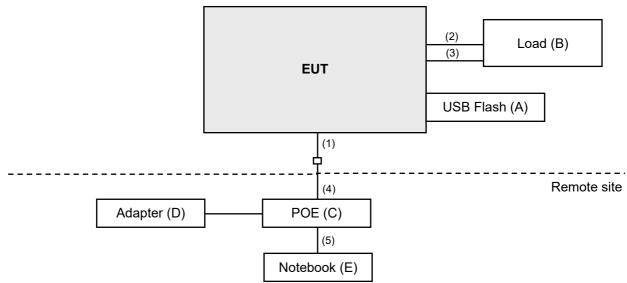


3.4.1 Configuration of System under Test

Test Mode A



Test Mode B



3.5 General Description of Applied Standards and References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and references:

Test standard:

FCC Part 15, Subpart C (15.247)

ANSI C63.10:2013

All test items have been performed and recorded as per the above standards.

References Test Guidance:

KDB 558074 D01 15.247 Meas Guidance v05r02

All test items have been performed as a reference to the above KDB test guidance.



4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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
Above 960	500	3

Note:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver	ESR3	102579	Jul. 05, 2021	Jul. 04, 2022
Rohde & Schwarz Spectrum Analyzer KEYSIGHT	N9020B	MY60110462	Dec. 18, 2020	Dec. 17, 2021
BILOG Antenna SCHWARZBECK	VULB9168	995	Nov. 04, 2020	Nov. 03, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-404	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	995	Nov. 22, 2020	Nov. 21, 2021
Loop Antenna TESEQ	HLA 6121	45745	Jul. 21, 2021	Jul. 20, 2022
Preamplifier EMCI	EMC330N	980783	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC118A45SE	980810	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC184045SE	980787	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC104-SM-SM-(90 00+2000+1000)	201230+ 201242+ 210101	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMCCFD400-NM-N M-(9000+300+500)	201252+ 201250+ 201245	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC101G-KM-KM-(5 000+3000+2000)	201261+201258+ 201249	Jan. 12, 2021	Jan. 11, 2022
Software BV CPS	ADT_Radiated_V7.6. 15.9.5	NA	NA	NA
Turn Table Max-Full	MFT-151SS-0.5T	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208675	NA	NA
Antenna Tower KaiTuo	NA	NA	NA	NA
Antenna Tower Controller KaiTuo	KT-2000	NA	NA	NA
Peak Power Analyzer KEYSIGHT	8990B	MY51000485	Jan. 19, 2021	Jan. 18, 2022
Wideband Power Sensor KEYSIGHT	N1923A	MY58020002	Jan. 11, 2021	Jan. 10, 2022
Spectrum Analyzer ROHDE & SCHWARZ	FSW26	102023	Nov. 02, 2020	Nov. 01, 2021

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

^{2.} The test was performed in WM Chamber 7.



4.1.3 Test Procedures

For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

 The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. 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 from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz. (RBW = 1MHz, VBW = 3kHz)
- 4. All modes of operation were investigated and the worst-case emissions are reported.

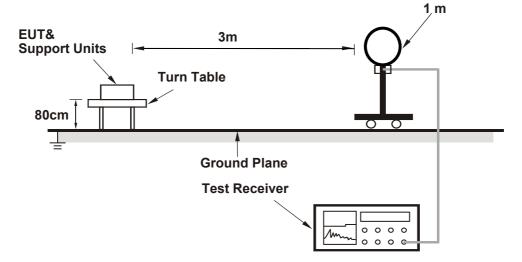
4.1.4 Deviation from Test Standard

No deviation.

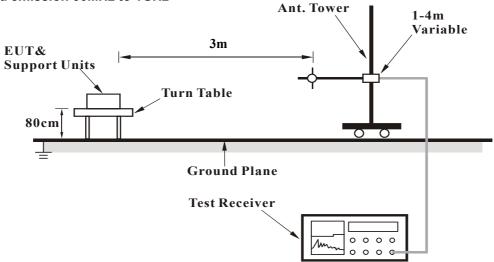


4.1.5 Test Setup

For Radiated emission below 30MHz



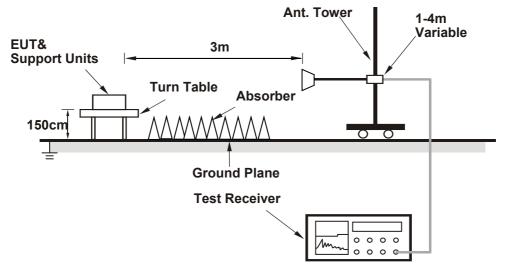
For Radiated emission 30MHz to 1GHz





Report Format Version: 6.1.2

For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Conditions

a. Set the EUT under transmission condition continuously at specific channel frequency.



4.1.7 Test Results

Above 1 GHz Data:

RF Mode	TX BT-LE 1M	Channel	CH 0: 2402 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

	Antenna Polarity & Test Distance : Horizontal at 3 m									
	Frequency	Emission	Limit	Margin	Antenna	Table	Raw	Correction		
No	(MHz)	Level	(dBuV/m)	J	Height	Angle	Value	Factor		
	(IVIITZ)	(dBuV/m)	(ubuv/iii)	(dB)	(m)	(Degree)	(dBuV)	(dB/m)		
1	2390.00	53.0 PK	74.0	-21.0	2.97 H	160	21.1	31.9		
2	2390.00	38.4 AV	54.0	-15.6	2.97 H	160	6.5	31.9		
3	*2402.00	89.5 PK			2.97 H	160	57.6	31.9		
4	*2402.00	89.0 AV			2.97 H	160	57.1	31.9		
5	4804.00	50.7 PK	74.0	-23.3	1.99 H	49	48.2	2.5		
6	4804.00	37.6 AV	54.0	-16.4	1.99 H	49	35.1	2.5		
			Antenna Pol	arity & Test Dis	tance : Vertical	at 3 m				
		Emission	Limit	Margin	Antenna	Table	Raw	Correction		
No	Frequency	Level		Margin	Height	Angle	Value	Factor		
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(m)	(Degree)	(dBuV)	(dB/m)		
1	2390.00	56.7 PK	74.0	-17.3	1.61 V	149	24.8	31.9		
2	2390.00	42.5 AV	54.0	-11.5	1.61 V	149	10.6	31.9		
3	*2402.00	96.4 PK			1.61 V	149	64.5	31.9		
4	*2402.00	95.9 AV			1.61 V	149	64.0	31.9		
5	4804.00	47.2 PK	74.0	-26.8	1.79 V	163	44.7	2.5		
6	4804.00	36.3 AV	54.0	-17.7	1.79 V	163	33.8	2.5		

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB).
- 3. Margin value = Emission Level Limit value.
- 4. The other emission levels were very low against the limit.
- 5. " * ": Fundamental frequency.



RF Mode	TX BT-LE 1M	Channel	CH 19: 2440 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

	Antenna Polarity & Test Distance : Horizontal at 3 m							
	Frequency	Emission	Limit	Margin	Antenna	Table	Raw	Correction
No	(MHz)	Level	(dBuV/m)	(dB)	Height	Angle	Value	Factor
	(IVITIZ)	(dBuV/m)	(dbdv/iii)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)
1	*2440.00	90.3 PK			2.18 H	130	58.3	32.0
2	*2440.00	89.7 AV			2.18 H	130	57.7	32.0
3	4880.00	49.0 PK	74.0	-25.0	1.46 H	205	46.4	2.6
4	4880.00	37.6 AV	54.0	-16.4	1.46 H	205	35.0	2.6
			Antenna Pol	arity & Test Dis	tance : Vertical	at 3 m		
	Frequency	Emission	Limit	Margin	Antenna	Table	Raw	Correction
No	(MHz)	Level	(dBuV/m)	(dB)	Height	Angle	Value	Factor
	(IVIITZ)	(dBuV/m)	(ubuv/iii)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)
1	*2440.00	93.2 PK			2.27 V	149	61.2	32.0
2	*2440.00	92.3 AV	_		2.27 V	149	60.3	32.0
3	4880.00	48.2 PK	74.0	-25.8	2.79 V	41	45.6	2.6
4	4880.00	37.3 AV	54.0	-16.7	2.79 V	41	34.7	2.6

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB).
- 3. Margin value = Emission Level Limit value.
- 4. The other emission levels were very low against the limit.
- 5. " * ": Fundamental frequency.



RF Mode	TX BT-LE 1M	Channel	CH 39: 2480 MHz
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Average (AV)

			Antenna Pola	rity & Test Dista	ance : Horizonta	al at 3 m		
No	Frequency	Emission Level	Limit	Margin	Antenna Height	Table Angle	Raw Value	Correction Factor
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(m)	(Degree)	(dBuV)	(dB/m)
1	*2480.00	91.2 PK			2.64 H	160	59.1	32.1
2	*2480.00	90.6 AV			2.64 H	160	58.5	32.1
3	2483.50	53.2 PK	74.0	-20.8	2.64 H	160	21.1	32.1
4	2483.50	39.0 AV	54.0	-15.0	2.64 H	160	6.9	32.1
5	4960.00	50.9 PK	74.0	-23.1	3.01 H	166	48.3	2.6
6	4960.00	38.1 AV	54.0	-15.9	3.01 H	166	35.5	2.6
			Antenna Pol	arity & Test Dis	tance : Vertical	at 3 m		
	Fraguanay	Emission	Limit	Morgin	Antenna	Table	Raw	Correction
No	Frequency (MHz)	Level	(dBuV/m)	Margin (dB)	Height	Angle	Value	Factor
	(IVITZ)	(dBuV/m)	(ubuv/III)	(dB)	(m)	(Degree)	(dBuV)	(dB/m)
1	*2480.00	93.0 PK			1.46 V	171	60.9	32.1
2	*2480.00	92.3 AV			1.46 V	171	60.2	32.1
3	2483.50	52.8 PK	74.0	-21.2	1.46 V	171	20.7	32.1
4	2483.50	38.7 AV	54.0	-15.3	1.46 V	171	6.6	32.1
5	4960.00	50.5 PK	74.0	-23.5	2.85 V	109	47.9	2.6
6	4960.00	38.8 AV	54.0	-15.2	2.85 V	109	36.2	2.6

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB).
- 3. Margin value = Emission Level Limit value.
- 4. The other emission levels were very low against the limit.
- 5. " * ": Fundamental frequency.

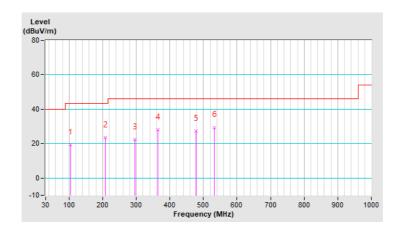


Below 1GHz worst-case data:

RF Mode	TX BT-LE 1M	Channel	CH 39: 2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	A		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	103.72	19.3 QP	43.5	-24.2	1.01 H	18	41.4	-22.1
2	208.48	23.5 QP	43.5	-20.0	1.01 H	218	45.5	-22.0
3	296.75	22.4 QP	46.0	-23.6	1.01 H	159	40.7	-18.3
4	364.65	28.1 QP	46.0	-17.9	1.01 H	244	44.7	-16.6
5	477.17	27.4 QP	46.0	-18.6	1.99 H	212	41.1	-13.7
6	533.43	29.5 QP	46.0	-16.5	1.51 H	154	42.4	-12.9

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB).
- 3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
- 4. Margin value = Emission Level Limit value.
- 5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

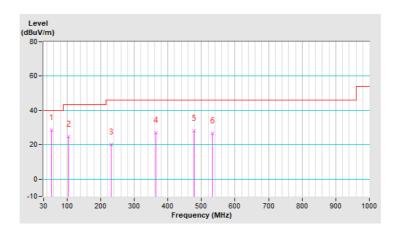




RF Mode	TX BT-LE 1M	Channel	CH 39: 2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	А		

	Antenna Polarity & Test Distance : Vertical at 3 m							
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	53.28	28.6 QP	40.0	-11.4	1.49 V	117	46.9	-18.3
2	103.72	24.6 QP	43.5	-18.9	1.49 V	318	46.7	-22.1
3	231.76	20.3 QP	46.0	-25.7	1.49 V	242	41.1	-20.8
4	364.65	27.0 QP	46.0	-19.0	1.00 V	161	43.6	-16.6
5	477.17	28.3 QP	46.0	-17.7	1.00 V	129	42.0	-13.7
6	533.43	26.7 QP	46.0	-19.3	1.00 V	277	39.6	-12.9

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB).
- 3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
- 4. Margin value = Emission Level Limit value.
- 5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

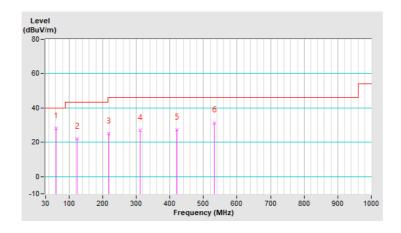




RF Mode	TX BT-LE 1M	Channel	CH 39: 2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	В		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	61.04	28.1 QP	40.0	-11.9	1.99 H	134	47.4	-19.3
2	123.12	22.2 QP	43.5	-21.3	1.49 H	287	42.5	-20.3
3	218.18	24.9 QP	46.0	-21.1	1.01 H	260	46.8	-21.9
4	311.30	27.0 QP	46.0	-19.0	1.01 H	297	44.7	-17.7
5	420.91	27.3 QP	46.0	-18.7	1.01 H	216	42.4	-15.1
6	533.43	31.4 QP	46.0	-14.6	1.49 H	333	44.3	-12.9

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB).
- 3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
- 4. Margin value = Emission Level Limit value.
- 5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

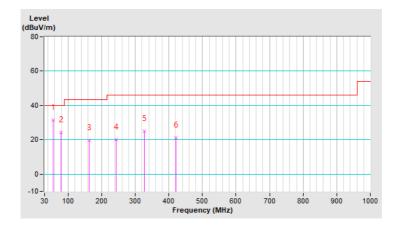




RF Mode	TX BT-LE 1M	Channel	CH 39: 2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)
Test Mode	В		

	Antenna Polarity & Test Distance : Vertical at 3 m							
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	56.19	31.5 QP	40.0	-8.5	1.01 V	18	50.1	-18.6
2	79.47	24.5 QP	40.0	-15.5	1.01 V	288	47.7	-23.2
3	163.86	19.8 QP	43.5	-23.7	1.01 V	54	38.1	-18.3
4	243.40	20.0 QP	46.0	-26.0	1.01 V	11	40.1	-20.1
5	327.79	25.0 QP	46.0	-21.0	1.51 V	76	42.1	-17.1
6	420.91	21.4 QP	46.0	-24.6	1.99 V	204	36.5	-15.1

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB).
- 3. The other emission levels were very low against the limit of frequency range 30MHz ~ 1000MHz.
- 4. Margin value = Emission Level Limit value.
- 5. The emission levels were very low against the limit of frequency range 9kHz ~ 30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.





4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Fraguenov (MUz)	Conducted Limit (dBuV)				
Frequency (MHz)	Quasi-peak	Average			
0.15 - 0.5	66 - 56	56 - 46			
0.50 - 5.0	56	46			
5.0 - 30.0	60	50			

Note: 1. The lower limit shall apply at the transition frequencies.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESR3	102783	Dec. 21, 2020	Dec. 20, 2021
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 04, 2021	Sep. 03, 2022
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Jan. 28, 2021	Jan. 27, 2022
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Sep. 17, 2021	Sep. 16, 2022
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- 2. The test was performed in HwaYa Shielded Room 2 (Conduction 2).
- 3. The VCCI Site Registration No. is C-12047.

^{2.} The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.



4.2.3 Test Procedures

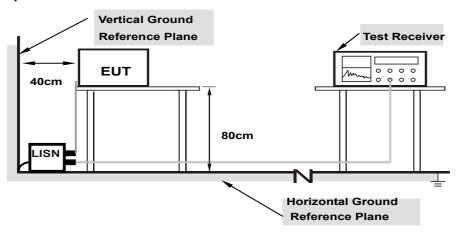
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit 20dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



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

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT Operating Conditions

Same as 4.1.6.

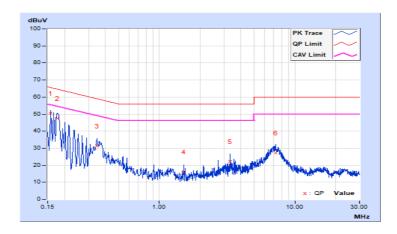


4.2.7 Test Results

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

	Erog	Corr.	Readin	g Value	Emissio	n Level	Lir	nit	Mai	rgin
No	Freq.	Factor	[dB	(uV)]	[dB	(uV)]	[dB ((uV)]	(d	B)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15800	10.12	40.48	20.09	50.60	30.21	65.57	55.57	-14.97	-25.36
2	0.17754	10.14	37.42	18.61	47.56	28.75	64.60	54.60	-17.04	-25.85
3	0.34600	10.20	20.95	13.92	31.15	24.12	59.06	49.06	-27.91	-24.94
4	1.51000	10.32	5.78	2.22	16.10	12.54	56.00	46.00	-39.90	-33.46
5	3.33000	10.38	11.68	4.23	22.06	14.61	56.00	46.00	-33.94	-31.39
6	7.21000	10.45	16.68	10.03	27.13	20.48	60.00	50.00	-32.87	-29.52

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value.

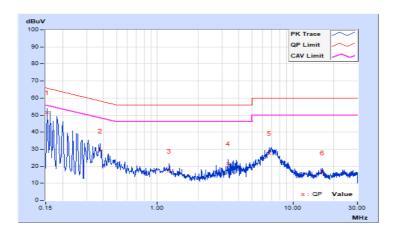




Phase	Neutral (N)	LI JEJECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

	From	Corr.	Readin	g Value	Emissio	n Level	Lir	nit	Mai	rgin
No	Freq.	Factor	[dB ((uV)]	[dB ((uV)]	[dB ((uV)]	(d	B)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.14	41.49	20.97	51.63	31.11	65.78	55.78	-14.15	-24.67
2	0.37800	10.23	18.56	8.48	28.79	18.71	58.32	48.32	-29.53	-29.61
3	1.22600	10.30	6.84	2.83	17.14	13.13	56.00	46.00	-38.86	-32.87
4	3.33000	10.39	11.13	3.91	21.52	14.30	56.00	46.00	-34.48	-31.70
5	6.68600	10.49	17.28	8.29	27.77	18.78	60.00	50.00	-32.23	-31.22
6	16.47400	10.76	5.36	1.33	16.12	12.09	60.00	50.00	-43.88	-37.91

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value.

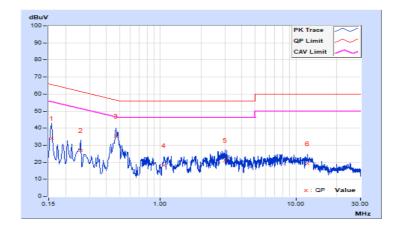




Phase	Line (L)	I Defector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	В		

	Erog	Corr.	Readin	g Value	Emissic	n Level	Lir	nit	Mai	rgin
No	Freq.	Factor	[dB ((uV)]	[dB ((uV)]	[dB ((uV)]	(d	B)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15800	10.11	23.92	1.48	34.03	11.59	65.57	55.57	-31.54	-43.98
2	0.25800	10.13	16.75	2.16	26.88	12.29	61.50	51.50	-34.62	-39.21
3	0.47000	10.14	25.38	9.19	35.52	19.33	56.51	46.51	-20.99	-27.18
4	1.06600	10.17	7.86	5.04	18.03	15.21	56.00	46.00	-37.97	-30.79
5	3.00600	10.23	11.07	3.89	21.30	14.12	56.00	46.00	-34.70	-31.88
6	12.21800	10.36	8.99	5.11	19.35	15.47	60.00	50.00	-40.65	-34.53

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value.

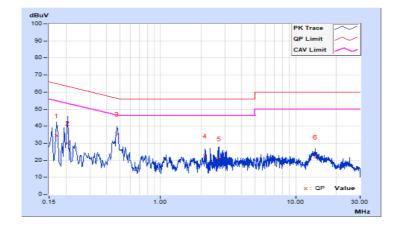




Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	В		

	F===	Corr.		g Value	Emissio	n Level	Lir	nit	Mai	rgin
No	Freq.	Factor	[dB ((uV)]	[dB ((uV)]	[dB	(uV)]	(d	B)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17000	10.12	24.36	1.94	34.48	12.06	64.96	54.96	-30.48	-42.90
2	0.20600	10.13	19.98	1.47	30.11	11.60	63.37	53.37	-33.26	-41.77
3	0.47800	10.15	25.17	9.80	35.32	19.95	56.37	46.37	-21.05	-26.42
4	2.12200	10.22	12.37	6.66	22.59	16.88	56.00	46.00	-33.41	-29.12
5	2.73000	10.24	10.60	5.55	20.84	15.79	56.00	46.00	-35.16	-30.21
6	13.94200	10.51	11.27	4.51	21.78	15.02	60.00	50.00	-38.22	-34.98

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value.





4.3 6dB Bandwidth Measurement

4.3.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 Test Setup



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

- a. Set resolution bandwidth (RBW) = 100kHz.
- b. Set the video bandwidth (VBW) \geq 3 x RBW, Detector = peak.
- c. Trace mode = max hold.
- d. Sweep = auto couple.
- e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.3.5 Deviation fromTest Standard

No deviation.

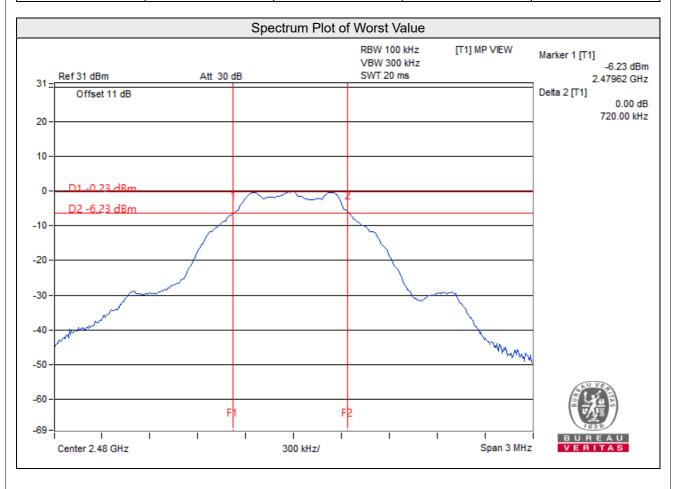
4.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



4.3.7 Test Result

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
0	2402	0.72	0.50	Pass
19	2440	0.73	0.50	Pass
39	2480	0.72	0.50	Pass



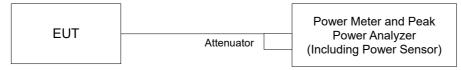


4.4 Conducted Output Power Measurement

4.4.1 Limits of Conducted Output Power Measurement

For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30dBm)

4.4.2 Test Setup



4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.4 Test Procedures

For Peak Power

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

For Average Power

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

4.4.5 Deviation from Test Standard

No deviation.

4.4.6 EUT Operating Conditions

Same as item 4.3.6.

4.4.7 Test Results

For Peak Power

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass/Fail
0	2402	1.026	0.11	30.00	Pass
19	2440	1.297	1.13	30.00	Pass
39	2480	1.400	1.46	30.00	Pass

For Average Power

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	0.962	-0.17
19	2440	1.230	0.90
39	2480	1.324	1.22

Report No.: RFBGQZ-WTW-P21031060 Page No. 33 / 40 Report Format Version: 6.1.2

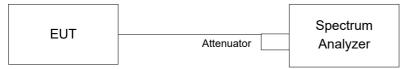


4.5 Power Spectral Density Measurement

4.5.1 Limits of Power Spectral Density Measurement

The Maximum of Power Spectral Density Measurement is 8dBm per 3kHz.

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

- a. Set analyzer center frequency to DTS channel center frequency.
- b. Set the span to 1.5 times the DTS bandwidth.
- c. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d. Set the VBW \geq 3 × RBW.
- e. Detector = peak.
- f. Sweep time = auto couple.
- g. Trace mode = max hold.
- h. Allow trace to fully stabilize.
- i. Use the peak marker function to determine the maximum amplitude level within the RBW.

4.5.5 Deviation from Test Standard

No deviation.

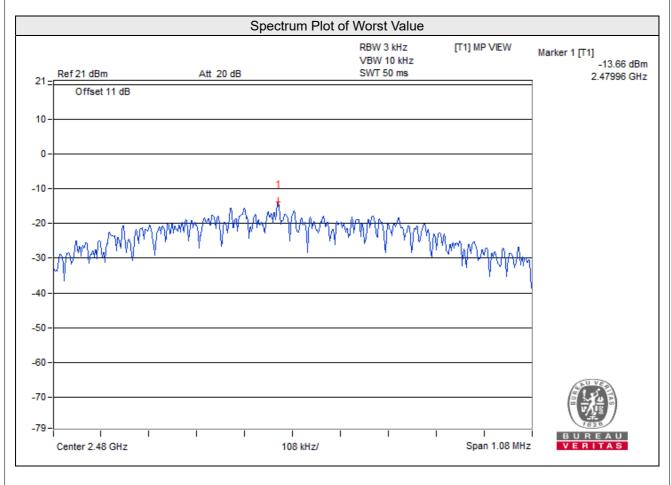
4.5.6 EUT Operating Condition

Same as item 4.3.6



4.5.7 Test Results

Channel	Freq. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	2402	-14.91	8.00	Pass
19	2440	-13.67	8.00	Pass
39	2480	-13.66	8.00	Pass





4.6 Conducted Out of Band Emission Measurement

4.6.1 Limits of Conducted Out of Band Emission Measurement

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

MEASUREMENT PROCEDURE REF

- a. Set the RBW = 100 kHz.
- b. Set the VBW ≥ 300 kHz.
- c. Detector = peak.
- d. Sweep time = auto couple.
- e. Trace mode = max hold.
- f. Allow trace to fully stabilize.
- g. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

- a. Set RBW = 100 kHz.
- b. Set VBW ≥ 300 kHz.
- c. Detector = peak.
- d. Sweep = auto couple.
- e. Trace Mode = max hold.
- f. Allow trace to fully stabilize.
- g. Use the peak marker function to determine the maximum amplitude level.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

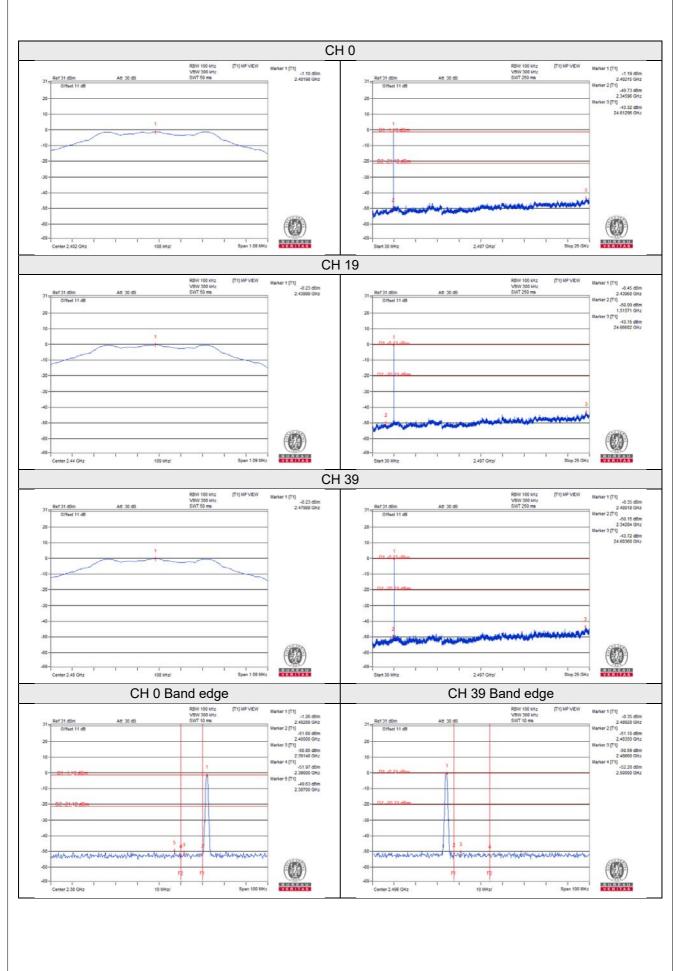
Same as item 4.3.6

4.6.7 Test Results

The conducted emission test is performed on each TX port of operating mode without summing or adding 10log (N) since the limit is relative emission limit.

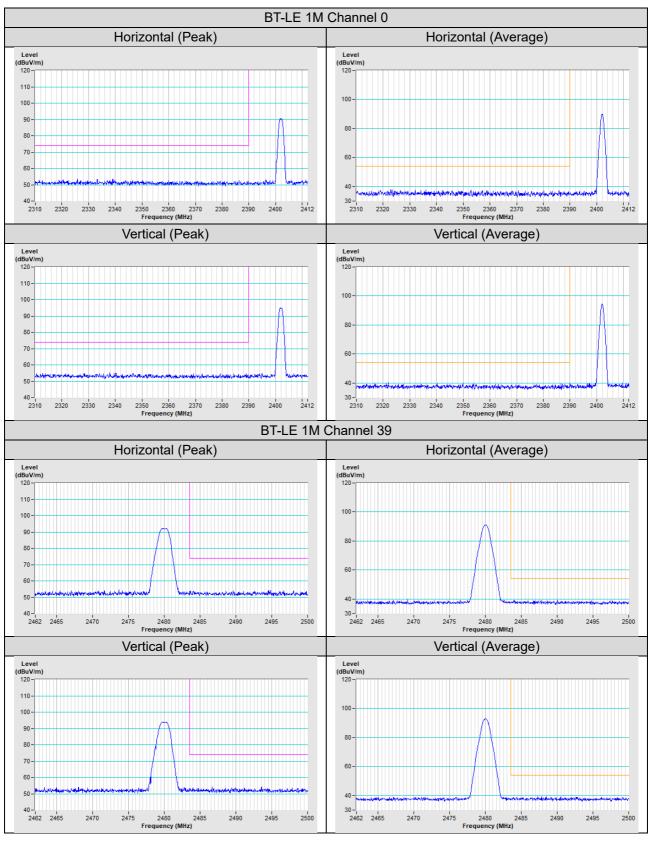
The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement.







Annex A - Band Edge Measurement





5 Pictures of Test Arrangements	
Please refer to the attached file (Test Setup Photo).	

Report No.: RFBGQZ-WTW-P21031060 Page No. 39 / 40 Report Format Version: 6.1.2



Appendix - Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Hsin Chu EMC/RF/Telecom Lab Tel: 886-3-6668565 Tel: 886-2-26052180 Fax: 886-2-26051924 Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232 Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

--- END ---