

FCC Radio Test Report

FCC ID: 2AFZZL09G

This report concerns: Original Grant

Project No.	:	2106C114
Equipment	:	Mi Smart Speaker
Brand Name	:	MI
Test Model	:	L09G
Series Model	:	N/A
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Date of Receipt	:	Jun. 16, 2021
Date of Test	:	Jun. 16, 2021~Aug. 05, 2021
Issued Date	:	Aug. 13, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.:DG202106169
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart C
		FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10-2013

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

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The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective. Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.



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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Aug. 13, 2021



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C						
Standard(s) Section	Test Item	Test Result	Judgment	Remark		
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS			
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS			
15.247(a)(2)	Bandwidth	APPENDIX E	PASS			
15.247(b)(3)	Maximum Output Power	APPENDIX F	PASS			
15.247(d)	Conducted Spurious Emission	APPENDIX G	PASS			
15.247(e)	Power Spectral Density	APPENDIX H	PASS			
15.203	Antenna Requirement		PASS	Note(2)		

Note:

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

(2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.



1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China. BTL's Test Firm Registration Number for FCC: 357015 BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)) The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.68

A. Radiated emissions Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
		9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.26
	CISPR	30MHz ~ 200MHz	Н	3.38
DG-CB03		200MHz ~ 1,000MHz	V	3.98
		200MHz ~ 1,000MHz	Н	3.94
		1GHz ~ 6GHz	-	3.96
		6GHz ~ 18GHz	-	5.24
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

B. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Humidity	±1.5%

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	60%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-9 kHz to 30 MHz	25°C	60%	AC 120V/60Hz	Hayden Chen
Radiated Emissions-30 MHz to 1000 MHz	26°C	52%	AC 120V/60Hz	Hayden Chen
Radiated Emissions-Above 1000 MHz	26°C	52%	AC 120V/60Hz	Hayden Chen
Bandwidth	23.3°C	62%	DC 12V	Jesse Wang
Maximum Output Power	23.3°C	62%	DC 12V	Jesse Wang
Conducted Spurious Emission	23.3°C	62%	DC 12V	Jesse Wang
Power Spectral Density	23.3°C	62%	DC 12V	Jesse Wang



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mi Smart Speaker		
Brand Name	Xiaomi		
Test Model	L09G		
Series Model	N/A		
Model Difference(s)	N/A		
Software Version	N/A		
Hardware Version	N/A		
Power Source	DC voltage supplied from AC adapter. Model: CYXT18-120150U		
Power Rating	I/P: 100-240V~ 50/60Hz 0.6A O/P: 12V === 1.5A		
Operation Frequency	2402 MHz ~ 2480 MHz		
Modulation Type	GFSK		
Bit Rate of Transmitter	1Mbps, 2Mbps		
Max. Output Power	1Mbps: 6.51 dBm (0.0045 W)		

Note:

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

2. Channel List:

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

3. Table for Filed Antenna:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	South star	N12-6457-R04	FPC	N/A	2.36

Note:

The antenna gain is provided by the manufacturer.



2.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode Description	
Mode 1	TX Mode_1Mbps Channel 00/19/39
Mode 2	TX Mode_2Mbps Channel 00/19/39
Mode 3	TX Mode_1Mbps Channel 39

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test			
Final Test Mode	Description		
Mode 3	TX Mode_1Mbps Channel 39		

Radiated emissions test - Below 1GHz			
Final Test Mode	Description		
Mode 3	TX Mode_1Mbps Channel 39		

Radiated emissions test - Above 1GHz			
Final Test Mode Description			
Mode 1 TX Mode_1Mbps Channel 00/19/39			
Mode 2 TX Mode_2Mbps Channel 00/19/39			

Conducted test			
Final Test Mode Description			
Mode 1	TX Mode_1Mbps Channel 00/19/39		
Mode 2	Mode 2 TX Mode_2Mbps Channel 00/19/39		

Note:

- (1) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (2) For AC power line conducted emissions and radiated emissions below 1 GHz test, the 1Mbps Channel 39 is found to be the worst case and recorded.

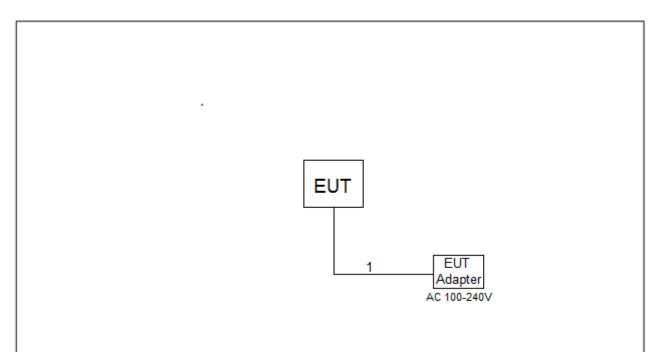
2.3 PARAMETERS OF TEST SOFTWARE

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test Software Version	N/A		
Frequency (MHz)	2402	2440	2480
1Mbps	default	default	default
2Mbps	default	default	default



2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m





3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

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

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

3.2 TEST PROCEDURE

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

The following table is the setting of the receiver:

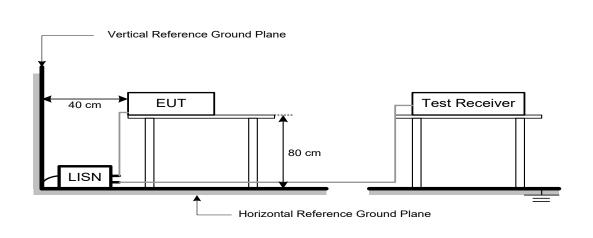
Receiver Parameters	Setting	
Start Frequency	0.15 MHz	
Stop Frequency	30 MHz	
IF Bandwidth	9 kHz	

3.3 DEVIATION FROM TEST STANDARD

No deviation.



3.4 TEST SETUP



3.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of [Note]. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150 kHz to 30 MHz.



4. RADIATED EMISSIONS

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	(dBuV/m at 3 m)		
	Peak	Average	
Above 1000	74	54	

Note:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

4.2 TEST PROCEDURE

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



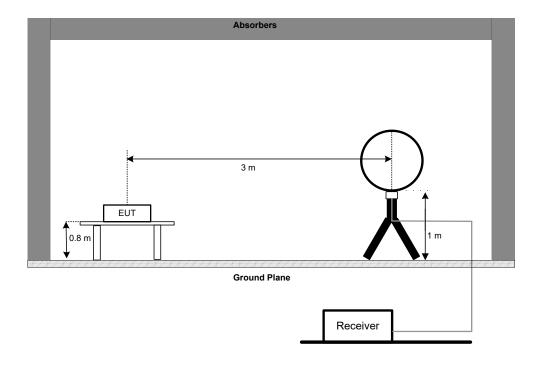
The following table is the setting of the receiver:				
Spectrum Parameters	Setting			
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz			
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz			
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz			
Spectrum Parameters	Setting			
Start Frequency	1000 MHz			
Stop Frequency	10th carrier harmonic			
RBW / VBW	1 MHz / 3 MHz for PK value			
(Emission in restricted band)	1 MHz / 1/T Hz for AVG value			
Spectrum Parameters	Setting			
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector			
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector			
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector			
Start ~ Stop Frequency490 kHz~30 MHz for QP detector				
Start ~ Stop Frequency 30 MHz~1000 MHz for QP detector				
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector			

4.3 DEVIATION FROM TEST STANDARD

No deviation.

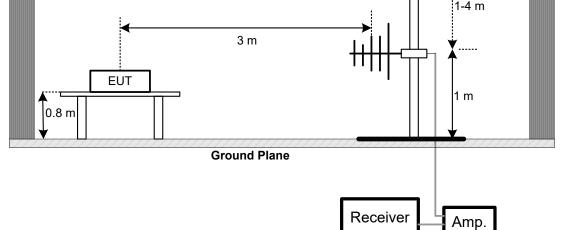
4.4 TEST SETUP

9 kHz to 30 MHz

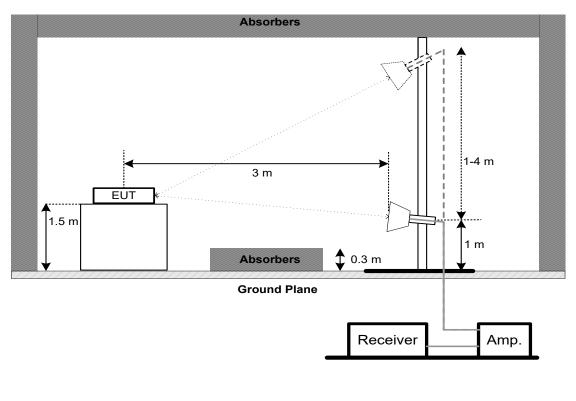




30 MHz to 1 GHz Absorbers



Above 1 GHz





4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT - 9 kHz TO 30 MHz

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULT - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULT - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

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



5. BANDWIDTH

5.1 LIMIT

Section	Test Item	Limit	
FCC 15.247(a)(2)	6 dB Bandwidth >= 500 kHz		
	99% Emission Bandwidth	-	

5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

Spectrum Parameters	Setting			
Span Frequency	> Measurement Bandwidth			
RBW	100 kHz			
VBW	300 kHz			
Detector	Peak			
Trace	Max Hold			
Sweep Time	Auto			

For 99% Emission Bandwidth:

Spectrum Parameters	Setting		
Span Frequency	Between 1.5 times and 5.0 times the OBW		
RBW	30 kHz		
VBW	100 kHz		
Detector	Peak		
Trace	Max Hold		
Sweep Time	Auto		

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.



6. MAXIMUM OUTPUT POWER

6.1 LIMIT

Section	Test Item	Limit	
FCC 15.247(b)(3)	Maximum Output Power	1.0000 watt or 30.00 dBm	

6.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	≥ 3×RBW
RBW	3 MHz
VBW	3 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.





7. CONDUCTED SPURIOUS EMISSION

7.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

7.2 TEST PROCEDURE

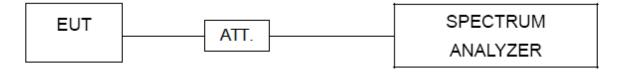
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.



8. POWER SPECTRAL DENSITY

8.1 LIMIT

Section	Test Item	Limit	
FCC 15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)	

8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

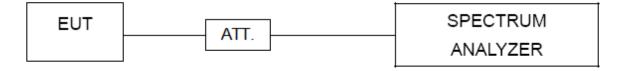
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting	
Span Frequency	2 MHz (1 Mbps) / 4 MHz (2 Mbps)	
RBW	3 kHz	
VBW	10 kHz	
Detector	Peak	
Trace	Max Hold	
Sweep Time	Auto	

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.



9. MEASUREMENT INSTRUMENTS LIST

	AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until	
1	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2022	
2	LISN	EMCO	3816/2	52765	Feb. 27, 2022	
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 27, 2022	
4	50Ω Terminator	SHX	TF5-3	15041305	Feb. 27, 2022	
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	
6	Cable	N/A	RG223	12m	Mar. 09, 2022	
7	643 Shield Room	ETS	6*4*3m	N/A	N/A	

	Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until	
1	Loop Antenna	EM	EM-6876-1	230	Apr. 28, 2022	
2	Cable	N/A	RG 213/U	N/A	May 27, 2022	
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 27, 2022	
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2022	

Radiated Emissions - 30 MHz to 1 GHz								
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until			
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 15, 2022			
2	Amplifier	HP	8447D	2944A08742	Feb. 28, 2022			
3	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022			
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 20, 2022			
5	Controller	СТ	SC100	N/A	N/A			
6	Controller	MF	MF-7802	MF780208416	N/A			
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A			
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2022			

Radiated Emissions - Above 1 GHz							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Double Ridged Guide Antenna	ETS	3115	75789	May 10, 2022		
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022		
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022		
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 28, 2022		
5	Receiver	Agilent	N9038A	MY52130039	Jul. 10, 2022		
6	Controller	СТ	SC100	N/A	N/A		
7	Controller	MF	MF-7802	MF780208416	N/A		
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	Oct. 16, 2021		
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A		
10	Filter	STI	STI15-9912	N/A	Jul. 10, 2022		
11	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2022		



Bandwidth & Maximum Output Power & Power Spectral Density & Conducted Spurious Emission									
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until				
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022				
2	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022				
3	RF Cable	Tongkaichuan	N/A	N/A	N/A				
4	DC Block	Mini	N/A	N/A	N/A				

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of equipment list is one year.



10. EUT TEST PHOTO

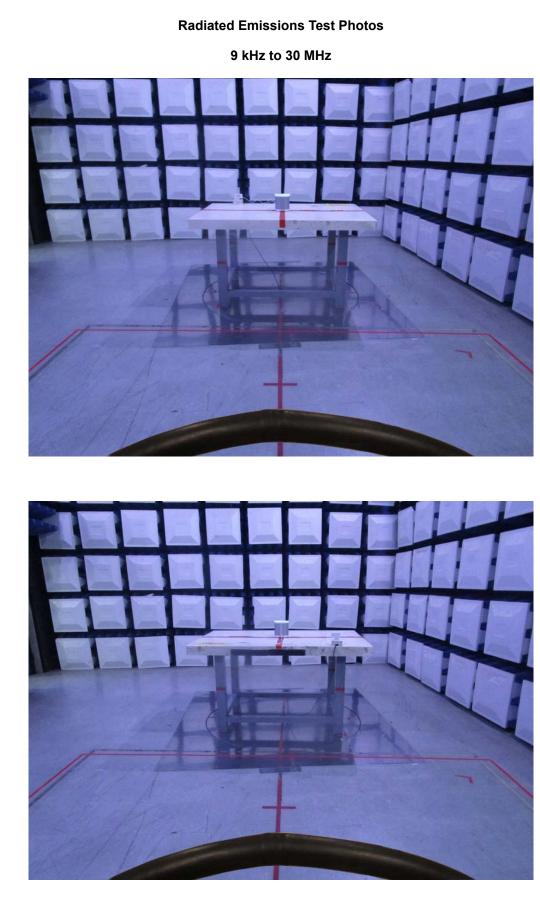




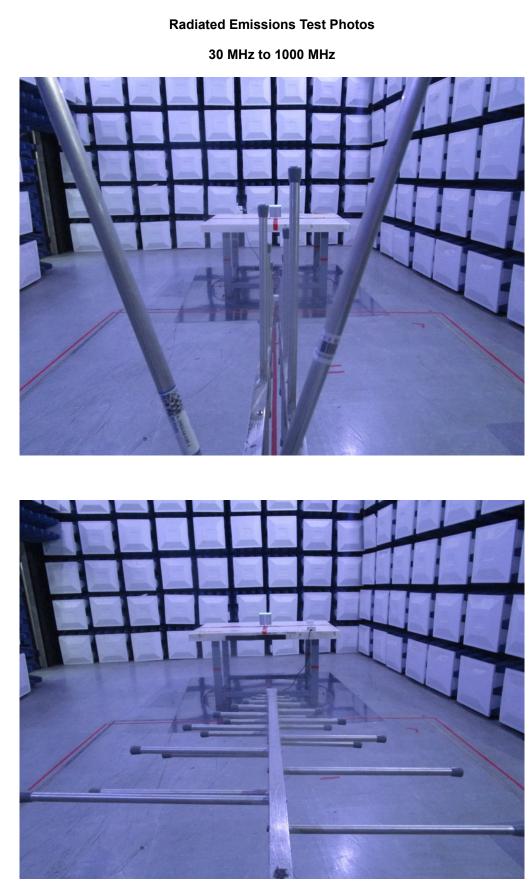
AC Power Line Conducted Emissions Test Photos















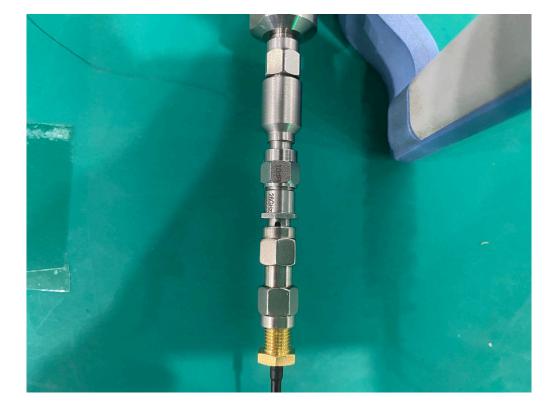
Above 1 GHz







Conducted Test Photos

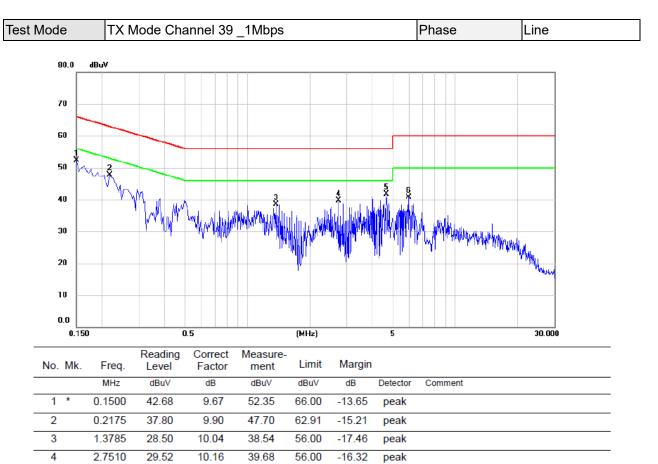






APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS





5

6

4.6725

5.9550

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

31.36

30.27

10.31

10.40

41.67

40.67

56.00

60.00

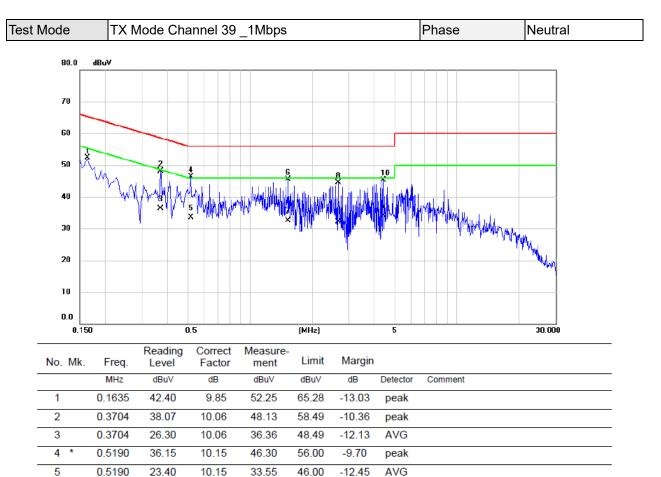
-14.33

-19.33

peak

peak





6

7

8

9

10

11

1.5315

1.5315

2.6700

2.6700

4.4205

4.4205

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

35.08

22.10

33.92

21.70

34.67

23.40

10.37

10.37

10.49

10.49

10.63

10.63

45.45

32.47

44.41

32.19

45.30

34.03

56.00

46.00

56.00

46.00

56.00

46.00

-10.55

-13.53

-11.59

-13.81

-10.70

-11.97

peak

AVG

peak

AVG

peak

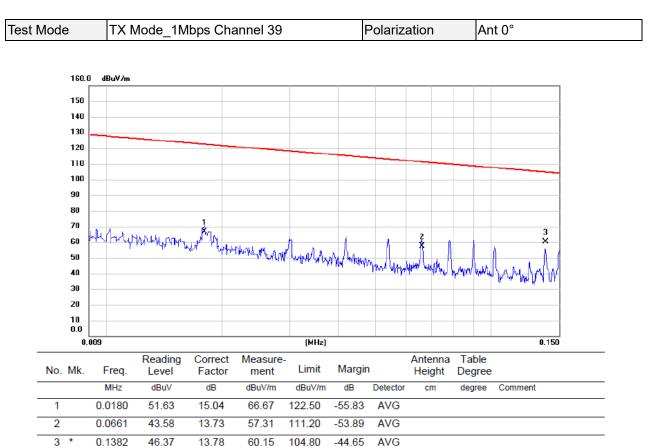
AVG



APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ



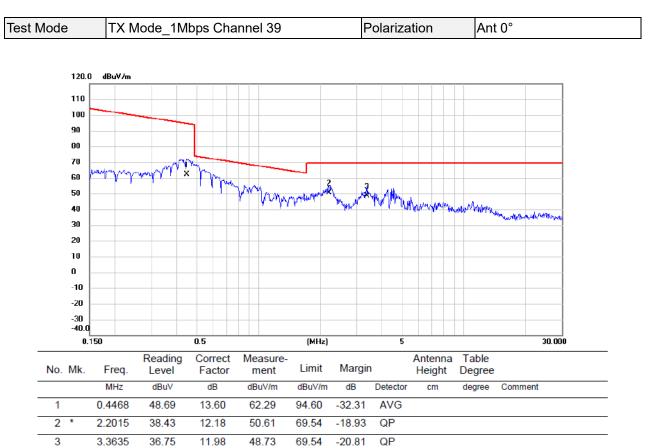




- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



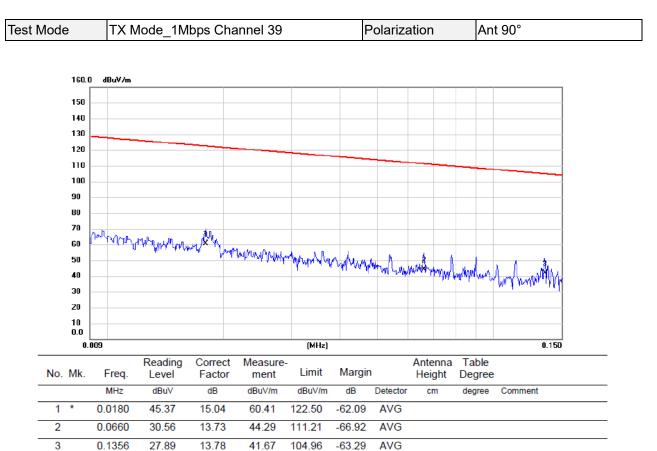




- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



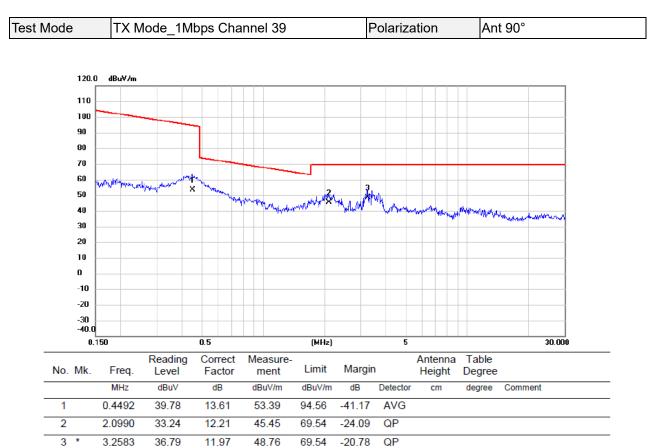




- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





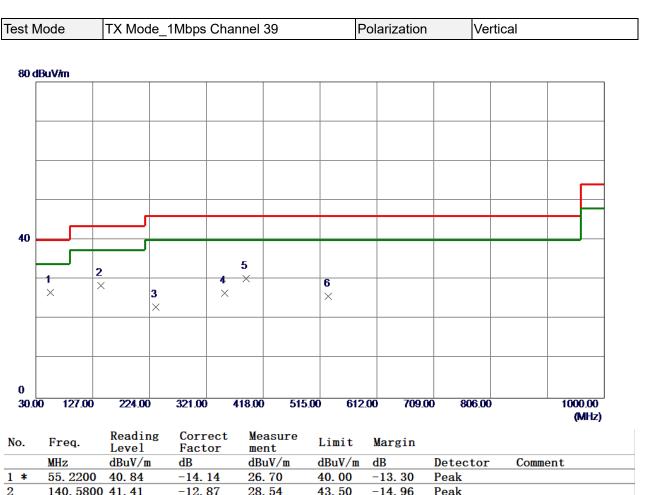


- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

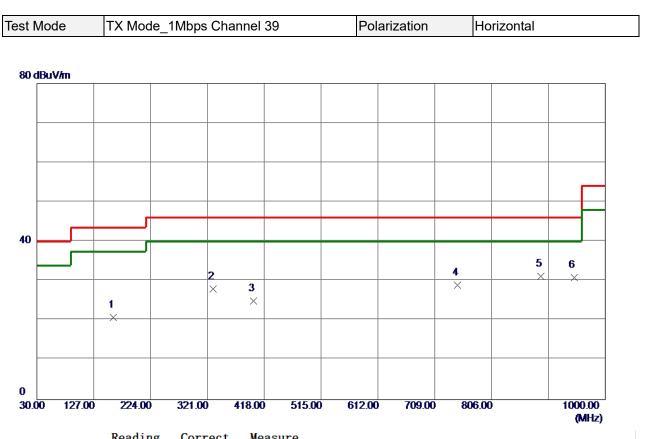




2	140. 5800 41. 41	-12.87	28.54	43.50	-14.96	Peak	
3	234.6700 36.78	-13.68	23.10	46.00	-22. 90	Peak	
4	352. 0400 36. 50	- 9. 9 2	26.58	46.00	-19.42	Peak	
5	388. 9000 39. 21	-9. 04	30.17	46.00	-15.83	Peak	
6	529. 5500 31. 98	-6.16	25.82	46.00	-20. 18	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





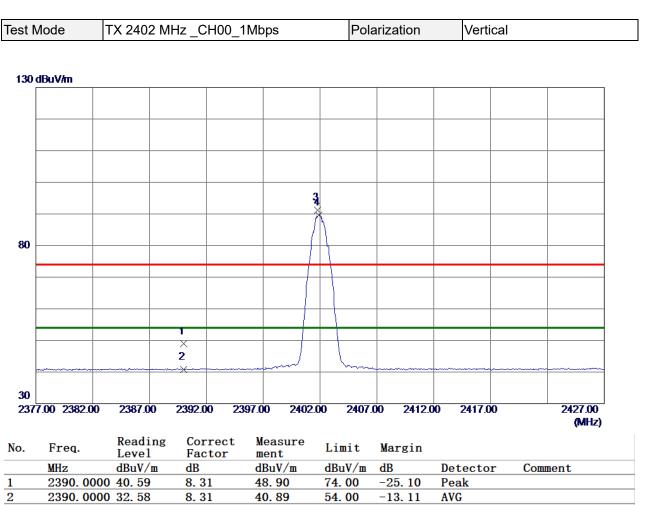
No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	159. 9800	33. 23	-12.37	20.86	43. 50	-22.64	Peak	
2	330. 7000	38.27	-10. 32	27.95	46.00	-18.05	Peak	
3	399. 5700	33.81	-8. 79	25.02	46.00	-2 0. 98	Peak	
4	747.8000	30.90	-1 . 99	28.91	46.00	-17.09	Peak	
5 *	890. 3900	31.05	0.10	31.15	46.00	-14.85	Peak	
6	946. 6500	29.14	1.70	30.84	46.00	-15.16	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

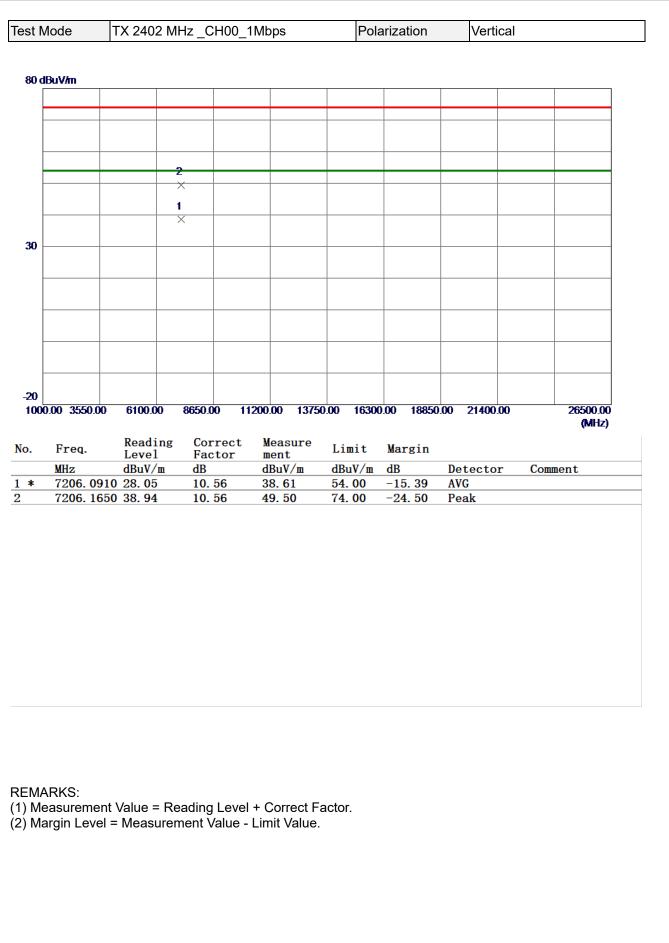




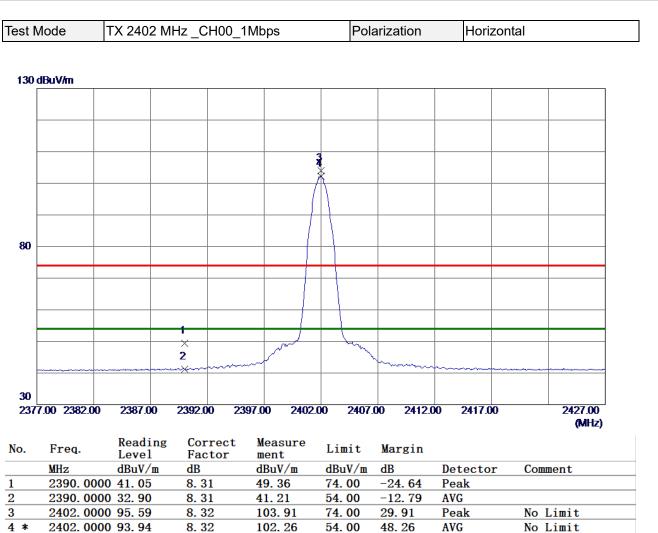
3	2401.8000 82.89	8.32	91.21	74.00	17.21	Peak	No Limit
4 *	2401. 9000 81. 21	8.32	89. 53	54.00	35. 53	AVG	No Limit

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.







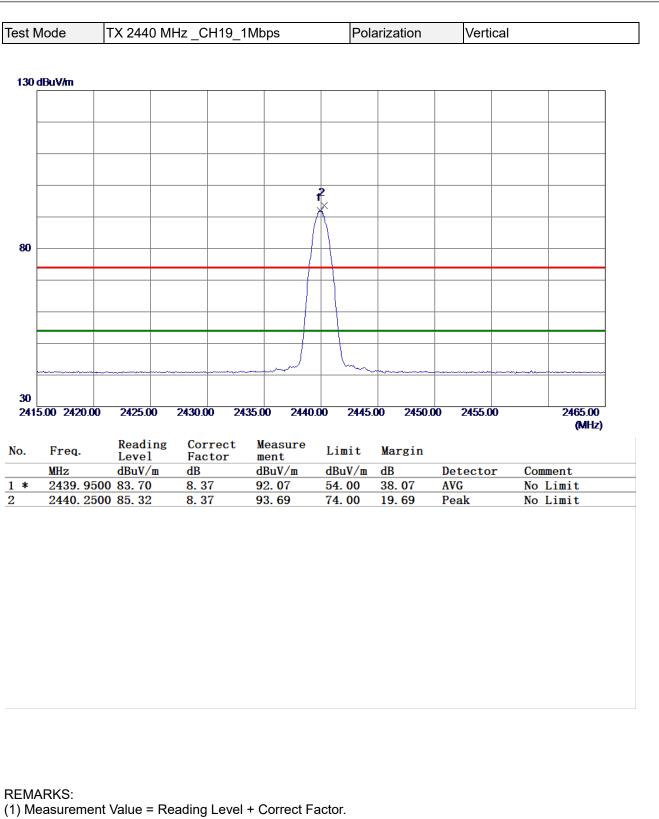


- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



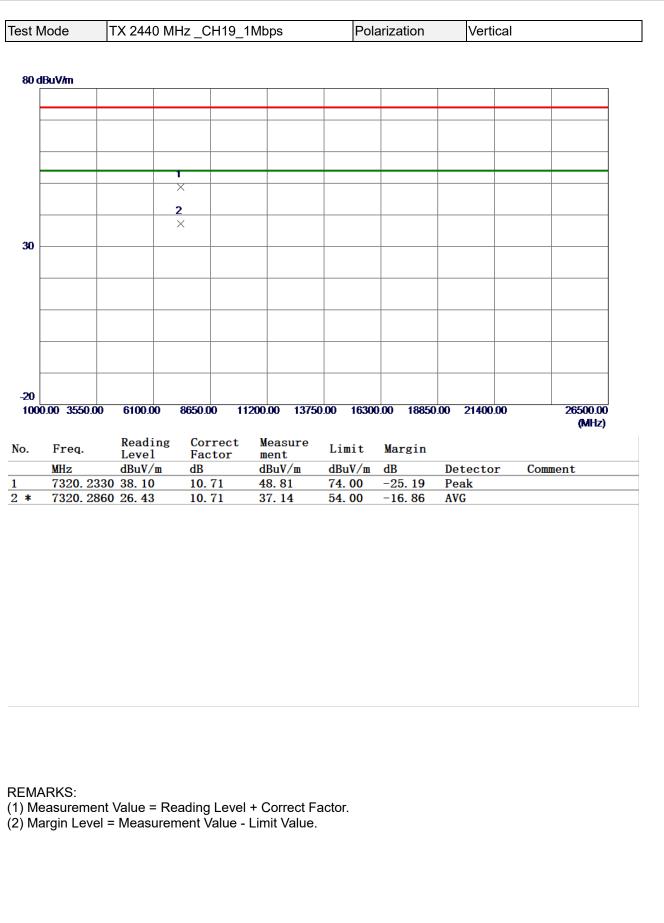
	Node	TX 2402 I	MHz_C	H00_1	1Mbps		Pola	arization		Horiz	ontal	
80 (1BuV/m								1			
			2 ×									
			1 ×									
30												
-20												
100	0.00 3550.00	0 6100.00	8650.0	0 11	1200.00	13750	.00 16300	00 18850	.00	21400.0	0	26500.00 (MHz)
,		Reading	g Cor	rect	Meas	ure	.	. ·				(initiz)
о.	Freq. MHz	Level dBuV/m	Fac	tor	ment		Limit	Margin				
									Det	ootor	C	ammont
*	7206. 03	60 34.27	dB 10.		dBuV 44. 8	/m 3	dBuV/m 54.00	dB -9. 17	AVG		Co	omment
*	7206. 03				dBuV	/m 3	dBuV/m	dB		}	Co	omment
. *	7206. 03	60 34.27	10.		dBuV 44. 8	/m 3	dBuV/m 54.00	dB -9. 17	AVG	}		omment



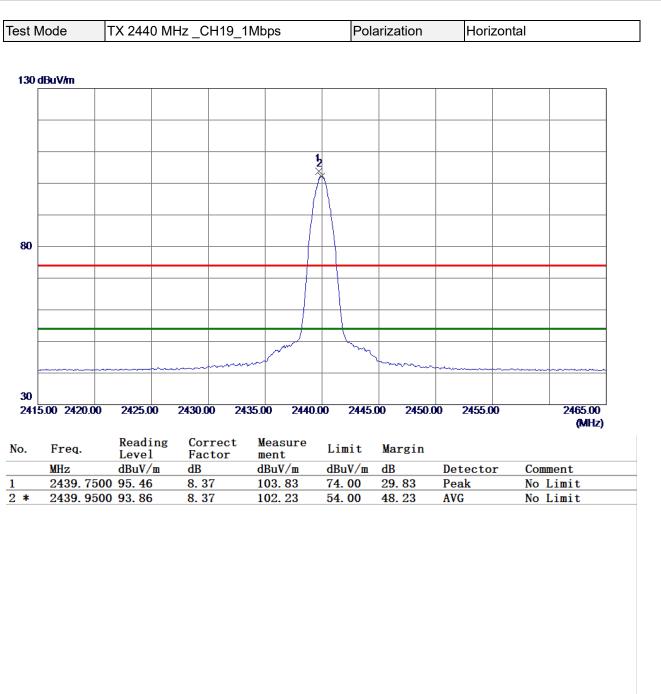


(2) Margin Level = Measurement Value - Limit Value.



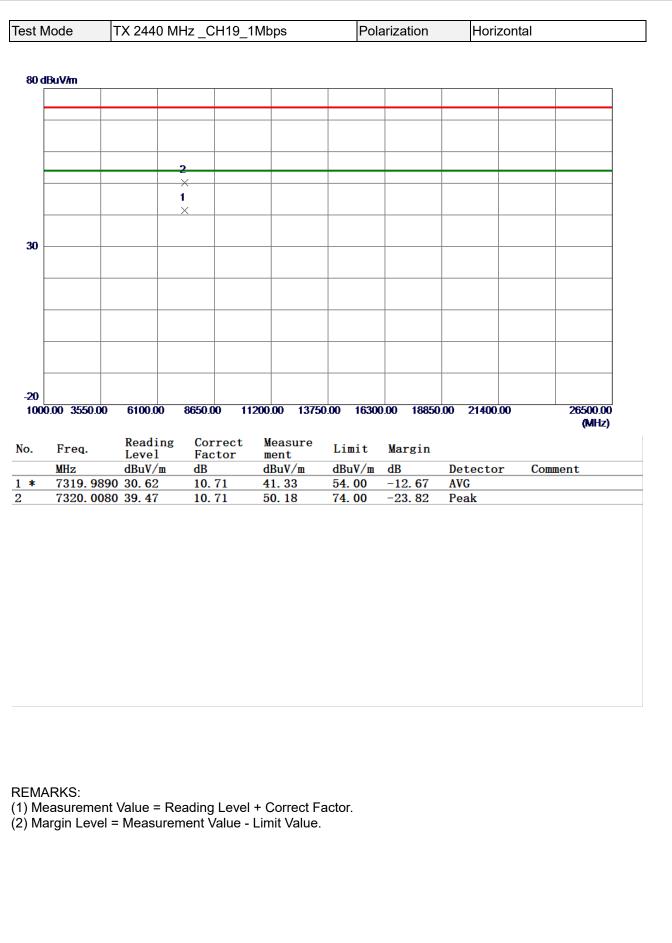




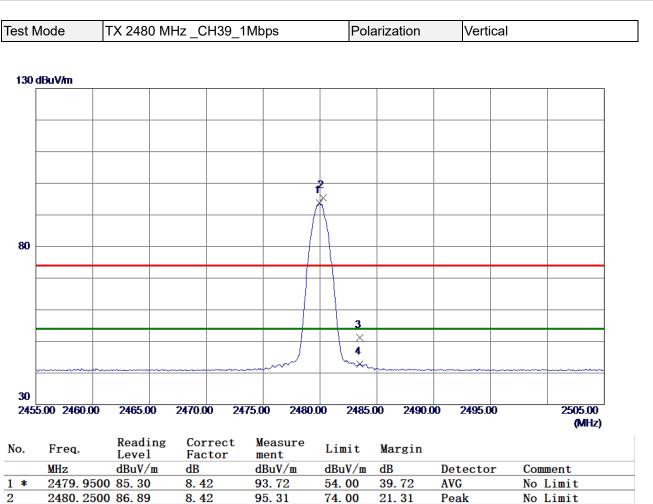


- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.









74.00

54.00

-22.85

-11.21

Peak

AVG

REMARKS:

3

4

2483. 5000 42. 73

2483. 5000 34. 37

(1) Measurement Value = Reading Level + Correct Factor.

8.42

8.42

51.15

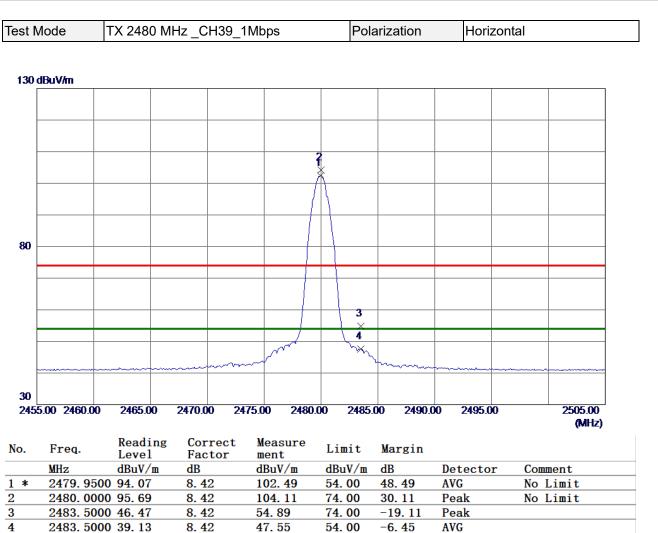
42.79

(2) Margin Level = Measurement Value - Limit Value.



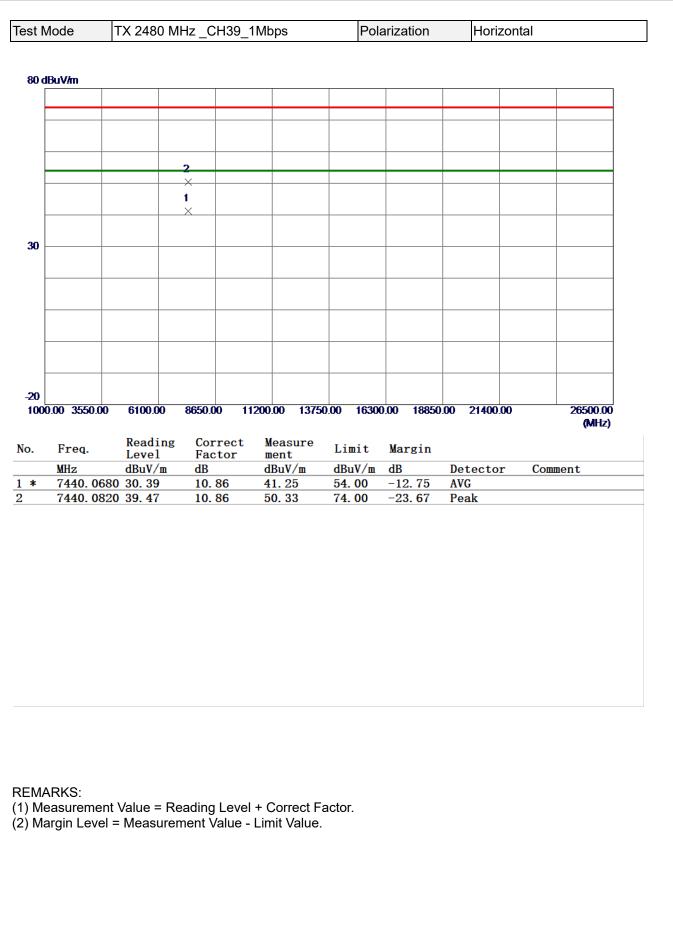
est I	Node	TX 2480	MHz_C	CH39_	_1Mbp	os	F	olarizat	tion		Verti	cal			
80 c	dBuV/m														
			_2												
			1												
			×												
30															
				<u> </u>											-
-20															
	0.00 3550.00	0 6100.00	8650.	00	11200.0	0 137	50.00 16	300.00	18850	00	21400 .	00		2650	
	_	Readi	ng Con		Me									(in).00 Hz)
) .	Freq.	Readin Level	Fa	rrect ctor	me	easure ent			gin	Det			Cam		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG		r	Сот	ment	
*	MHz 7440.62	Level dBuV/m	Fao 1 dB	rrect ctor 86	me dB 37	easure ent uV/m	dBuV/	m dB -16	. 17		;	r	Сот		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	<u>r</u>	Com		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	<u>r</u>	Com		
	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
*	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
*	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
*	MHz 7440.62	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
*	MHz 7440. 62 7440. 89	Level dBuV/1 00 26.97	Fac 1 dB 10.	rrect ctor 86	me dB 37	easure ent uV/m .83	dBuV/ 54. 00	m dB -16	. 17	AVG	;	r	Com		
*	MHz 7440. 62 7440. 89	Level dBuV/n 200 26.97 80 38.88	Fat dB 10. 10.	86 86		asure nt uV/m . 83 . 74	dBuV/ 54.00 74.00	m dB -16	. 17	AVG	;	r			
* = M/	MHz 7440. 62 7440. 89	Level dBuV/r 200 26.97 80 38.88	Reading	86 86 86	el + C	asure uV/m . 83 . 74	dBuV/ 54.00 74.00	m dB -16	. 17	AVG	;	r	Com		
) M	MHz 7440. 62 7440. 89	Level dBuV/r 200 26.97 80 38.88	Reading	86 86 86	el + C	asure uV/m . 83 . 74	dBuV/ 54.00 74.00	m dB -16	. 17	AVG	;	r	Com		
* = M/	MHz 7440. 62 7440. 89	Level dBuV/r 200 26.97 80 38.88	Reading	86 86 86	el + C	asure uV/m . 83 . 74	dBuV/ 54.00 74.00	m dB -16	. 17	AVG	;	r			
* = M/	MHz 7440. 62 7440. 89	Level dBuV/r 200 26.97 80 38.88	Reading	86 86 86	el + C	asure uV/m . 83 . 74	dBuV/ 54.00 74.00	m dB -16	. 17	AVG	;	r	Com		
* = MJ	MHz 7440. 62 7440. 89	Level dBuV/r 200 26.97 80 38.88	Reading	86 86 86	el + C	asure uV/m . 83 . 74	dBuV/ 54.00 74.00	m dB -16	. 17	AVG	;	r			
* ====================================	MHz 7440. 62 7440. 89	Level dBuV/r 200 26.97 80 38.88	Reading	86 86 86	el + C	asure uV/m . 83 . 74	dBuV/ 54.00 74.00	m dB -16	. 17	AVG	;	r	Com		





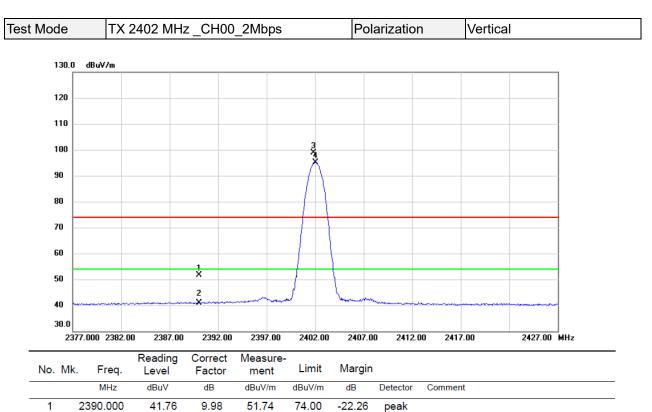
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.











1

2

3 *

4 X

2390.000

2401.800

2402.025

30.95

88.85

85.15

9.98

9.98

9.98

40.93

98.83

95.13

54.00

74.00

74.00

-13.07

24.83

21.13

AVG

peak

peak

No Limit

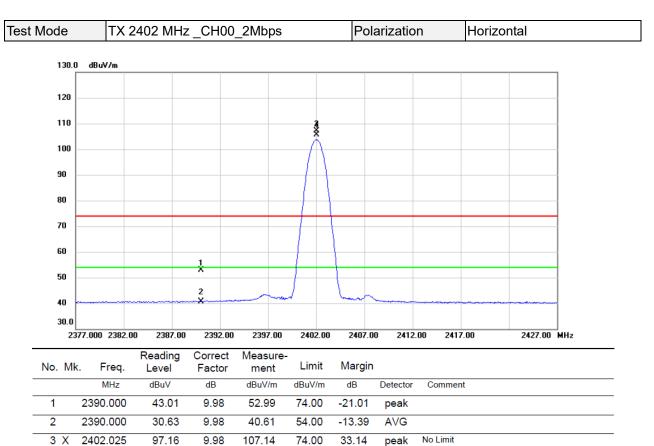
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



80 dBuV/m 30 30 30 30 30 4 50 50 50 50 50 50 50 50 50 50		lode	TX 2402 MI	Hz_CH00_2	2Mbps	Pola	arization	Verti	cal	
i i i 30 i i i 2 i i i 30 i i i i 2 i i i i 30 i i i i i 30 i i i i i i 30 i i i i i i i 2 i i i i i i i i 30 i i i i i i i i 30 i<										
2 2 30 2 30	80 d	BuV/m								
2 2 30 2 30										
2 2 30 2 30										
2 2 1 1 1 30 X X X X X X 30 X X X X X X X 30 X X X X X X X X 30 X X X X X X X X X X 30 X										
2 2 30 2 30	ł									
2 2			1							
30 ×			;	<						
30										
20										
Non-oo 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 (MHz 0. Freq. Reading Correct Measure Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak	30									
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.0 (MHz MHz Correct Measure Level Factor ment Limit Margin MHz dBuV/m dB dBuV/m dBUV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak										
Non-order Reading Correct Measure Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak										
Non-order Reading Correct Measure Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak										
Non-order Reading Correct Measure Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak										
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.0 p. Freq. Reading Level Correct Factor ment Measure Limit Margin Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak	-									
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.0 p. Freq. Reading Level Correct Factor ment Measure Limit Margin Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak										
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.0 p. Freq. Reading Level Correct Factor ment Measure Limit Margin Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak	Ē									
(MHz b. Freq. Reading Correct Measure Limit Margin MHz dBuV/m dB dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak		00 2550 0	0 6100 00	00E0.00 44	200.00 43750	00 46304	100 40050	00 01400	00	26500.00
Freq.Reading LevelCorrect FactorMeasure mentLimit MarginMarginMHzdBuV/mdBdBuV/mdBuV/mdBDetectorComment7205.571038.8110.5649.3774.00-24.63Peak	1000	1.00 3550.0	0 6100.00	8000.00 11	200.00 13750	.00 16300	J.00 18850	.00 21400.	00	26500.00 (MHz)
MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment 7205.5710 38.81 10.56 49.37 74.00 -24.63 Peak		Emag	Reading	Correct	Measure	Limit	Venzin			
7205. 5710 38. 81 10. 56 49. 37 74. 00 -24. 63 Peak).		Level					D ()	0	
									r Com	lient
	*									







2402.025

4 *

95.77

9.98

105.75

54.00

51.75

AVG

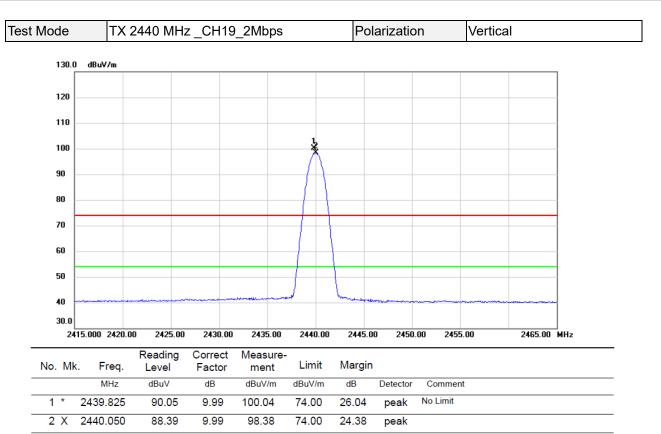
No Limit

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



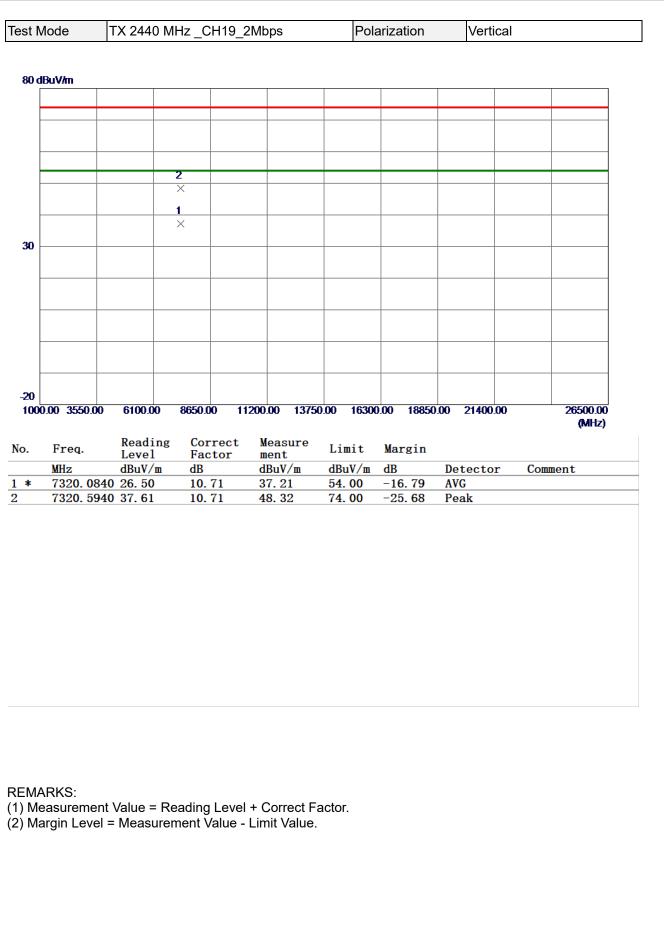
	Mode	TX 2402	MHz _C	H00_2N	1bps	Pola	arization	Hori	zontal	
80 d	dBuV/m									
			2 ×							
			1							
			×							
30										
-20										
100	0.00 3550.0	0 6100.00	8650.0	0 1120	0.00 13750	0.00 16300	0.00 18850	.00 21400	.00	26500.00 (MHz)
_	Ener	Readin	g Cor	rect	Measure	Limit	Manada			(111 12)
0.	Freq. MHz	Level dBuV/m	Fac		ment dBuV/m	dBuV/m	Margin dB	Detecto	r Cor	ment
*	7206. 06	50 32.03	10.		42. 59	54.00	-11. 41	AVG		
	7206.40	070 41.23	10.	56	51. 79	74.00	-22. 21	Peak		



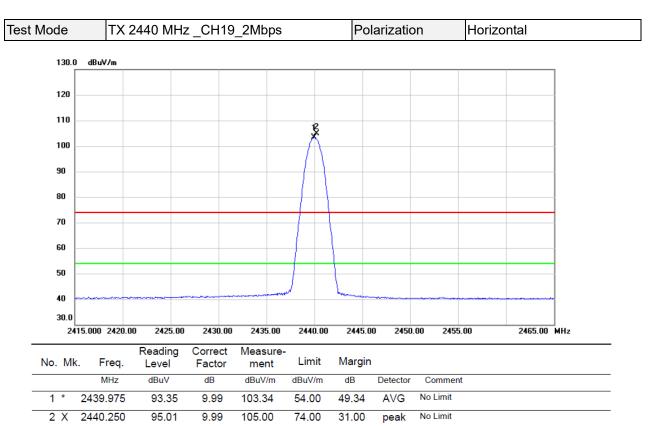


- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.







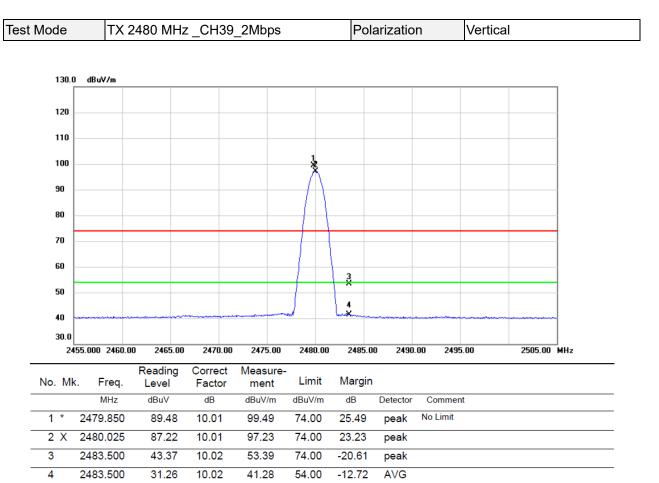


- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



st Mode	TX 244	0 MHz _	CH19_	2Mbps	Pol	arization	Hori	zontal	
80 dBuV/m									
			_						
		2							
		X							
		1 ————————————————————————————————————	_						
30			_						
20 1000.00 3550).00 6100.0	0 8650	100 1	1200.00 1375	0.00 1630	0.00 18850	0.00 21400	00	26500.0
1000.00 5.00	0100.0	0 0000	00 1	1200.00 1515	0.00 1000	0.00 100.00	21400	.00	(MHz
									(INILIZ
	Readi	ng Co	orrect	Measure					(INIT LZ.
o. Freq.	Readi Level	. Fa	orrect	Measure ment	Limit	Margin			
MHz	Level dBuV/	Fa m dB	ictor	ment dBuV/m	dBuV/m	dB	Detecto	or C	Comment
MHz * 7319.	Level	Fa m dB 10	ictor	ment			Detecto AVG Peak	or C	
MHz * 7319.	Level dBuV/ 9810 29.39	Fa m dB 10	.71	ment dBuV/m 40.10	dBuV/m 54.00	dB -13. 90	AVG	or C	



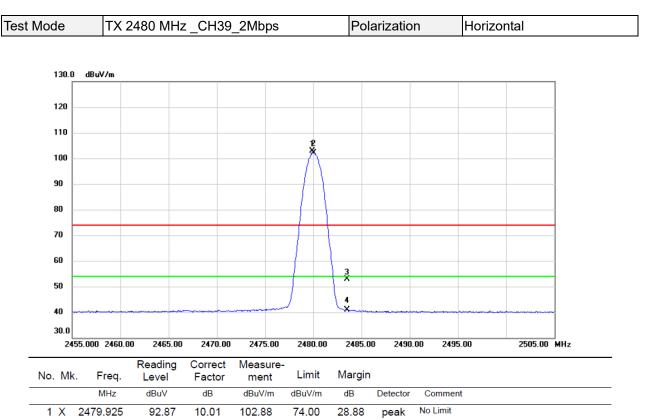


- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



		TX 2480 M	Hz _CH39_	2Mbps	Pola	arization	Vertic	al
Z X I I 30 X I I I 30 X I I I 30 X I I I I I I I I I I I I I I I I IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII								
30 1 1 1 30 X X X X 1 X X X X 20 X X X X	0 dBuV/m					1		
i i i i i i 30 i i i i i i i 30 i i i i i i i i 30 i i i i i i i i i 30 i <								
i i i i i i 30 i i i i i i i 30 i i i i i i i i 30 i i i i i i i i i 30 i <								
X I I I I I 30 X X X X X X 30 X X X X X X X 30 X X X X X X X X 30 X X X X X X X X X 30 X								
30 × 1								
1 1								
30 ×								
30		_						
20	_							
MHz dBuV/m dB dBuV/m dB UV/m dB V/m dB U/m dB U/m dB U/m U/m dB U/m dB U/m dB U/m U/m U/m U/m U/m U/m U/m U/m U/	0							
MHz Buv/m B								
MHz dBuV/m dB dBuV/m dB UV/m dB V/m dB U/m dB U/m dB U/m U/m dB U/m dB U/m dB U/m U/m U/m U/m U/m U/m U/m U/m U/								
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500. (MH p. Freq. Reading Level Correct Factor Measure ment Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG								
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500. (MH p. Freq. Reading Level Correct Factor Measure ment Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG								
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500. (MH p. Freq. Reading Level Correct Factor Measure ment Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG								
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500. (MH p. Freq. Reading Level Correct Factor Measure ment Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG								
1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500. (MH p. Freq. Reading Level Correct Factor Measure ment Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG								
MHz Reading Level Correct Factor Measure ment Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG		00 6100 00	8650 00 1	1200 00 1375	0.00 16300	0 00 18850	00 21400 0	0 26500.00
MHz Level Factor ment Limit Margin MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG		0100.00	0000.00	1200.00 1010				(MHz)
MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comment * 7439.3890 27.17 10.86 38.03 54.00 -15.97 AVG	Freq	Reading	Correct		Limit	Margin		
* 7439. 3890 27. 17 10. 86 38. 03 54. 00 -15. 97 AVG							Detector	Comment
								Comment





2 *

3

4

2480.025

2483.500

2483.500

92.13

42.78

30.89

10.01

10.02

10.02

102.14

52.80

40.91

54.00

74.00

54.00

48.14

-21.20

-13.09

AVG

peak

AVG

No Limit

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

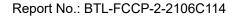


Test N	Node	TX 2480 M	Hz_CH39_2	Mbps	Pol	arization	Horizon	tal
80 d	lBuV/m							
			1					
			×					
			2					
			×					
30								
-20								
100	0.00 3550.0	0 6100.00	8650.00 11	200.00 13750	0.00 1630	0.00 18850	0.00 21400.00	26500.00
								(MHz)
No.	Freq.	Reading	Correct	Measure	Limit	Margin		
		Level	Factor	ment				
1	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 2 *		030 40.00 090 29.12	10.86 10.86	50.86	74.00	-23.14	Peak AVG	
4 *	7440. 19	50 29. 12	10. 80	39.98	54.00	-14. 02	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

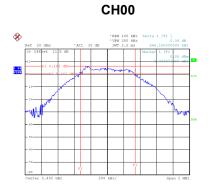


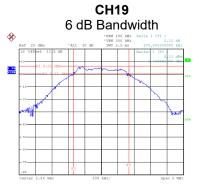
APPENDIX E - BANDWIDTH



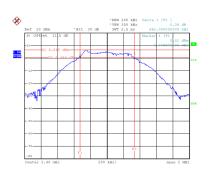


Test Mode	TX Mode _1	Mbps			
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Test Result
00	2402	0.666	1.076	0.5	Pass
19	2440	0.676	1.076	0.5	Pass
39	2480	0.662	1.068	0.5	Pass

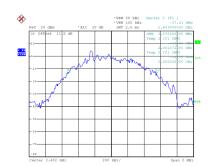




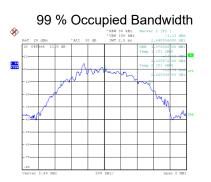
CH39



Date: 26.JUN.2021 08:55:17

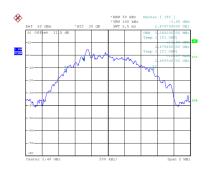


Date: 26.JUN.2021 08:56:41



Date: 26.JUN.2021 08:58:01

Date: 26.JUN.2021 08:58:08



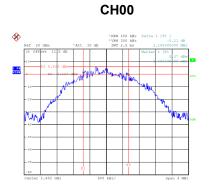
Date: 26.JUN.2021 08:54:53

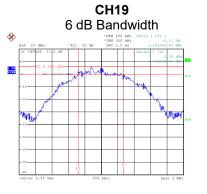
Date: 26.JUN.2021 08:56:46



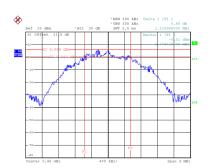


Т	est Mode	TX Mode _2	Mbps			
	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Test Result
	00	2402	1.108	2.144	0.5	Pass
	19	2440	1.108	2.136	0.5	Pass
	39	2480	1.120	2.144	0.5	Pass

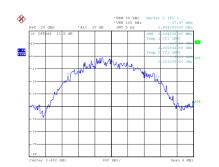




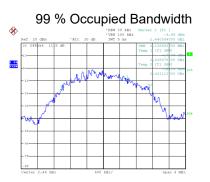
CH39



Date: 26.JUN.2021 08:59:29

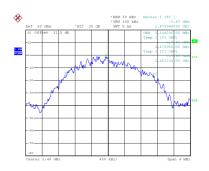


Date: 26.JUN.2021 09:03:56



Date: 26.JUN.2021 09:05:38

Date: 26.JUN.2021 09:05:43



Date: 26.JUN.2021 08:59:04

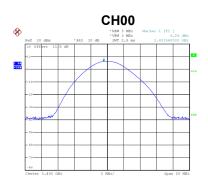
Date: 26.JUN.2021 09:04:01

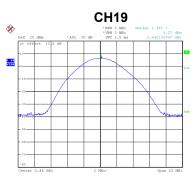


APPENDIX F - MAXIMUM OUTPUT POWER



Test Mode		TX Mode _1Mbps					
	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result	
	2402	6.29	0.0043	30.00	1.0000	Pass	
	2440	6.27	0.0042	30.00	1.0000	Pass	
	2480	6.51	0.0045	30.00	1.0000	Pass	







Test Result

Pass

Pass

Pass

Date: 26.JUN.2021 08:56:01

2480

Test Mode

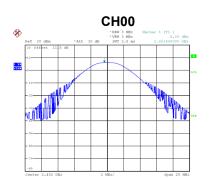
TX Mode _2Mbps

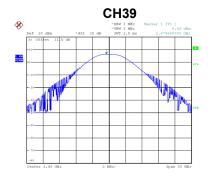
6.44

Output Power Output Power Frequency Max. Limit Max. Limit (MHz) . (dBm) (W) (dBm) (W) 2402 6.20 0.0042 30.00 1.0000 2440 6.22 0.0042 30.00 1.0000

0.0044

Date: 26.JUN.2021 08:57:30





1.0000

Date: 26.JUN.2021 09:07:29

Date: 26.JUN.2021 09:04:45

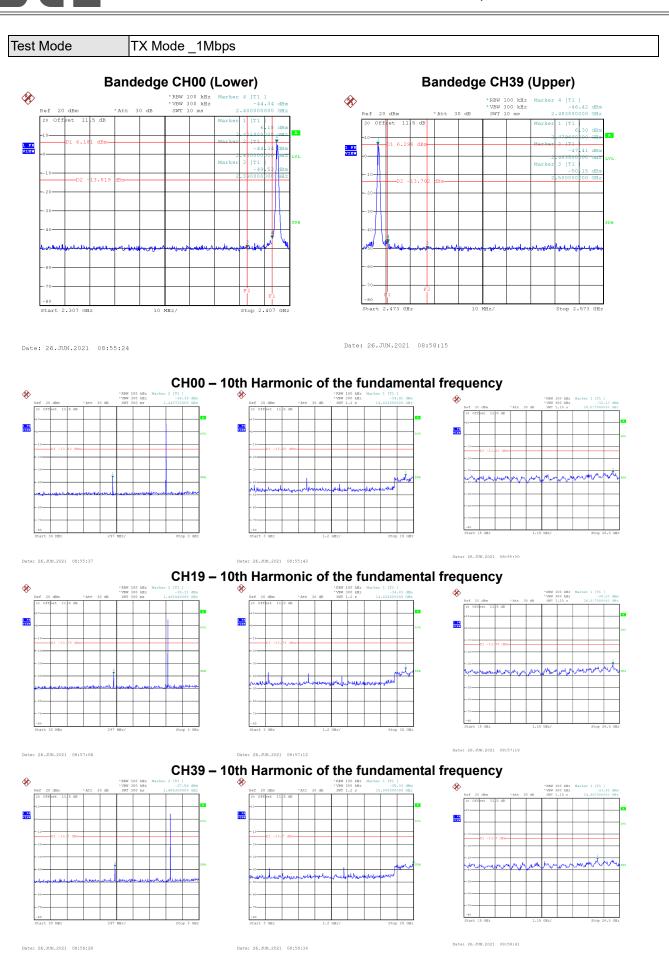
Date: 26.JUN.2021 09:06:27

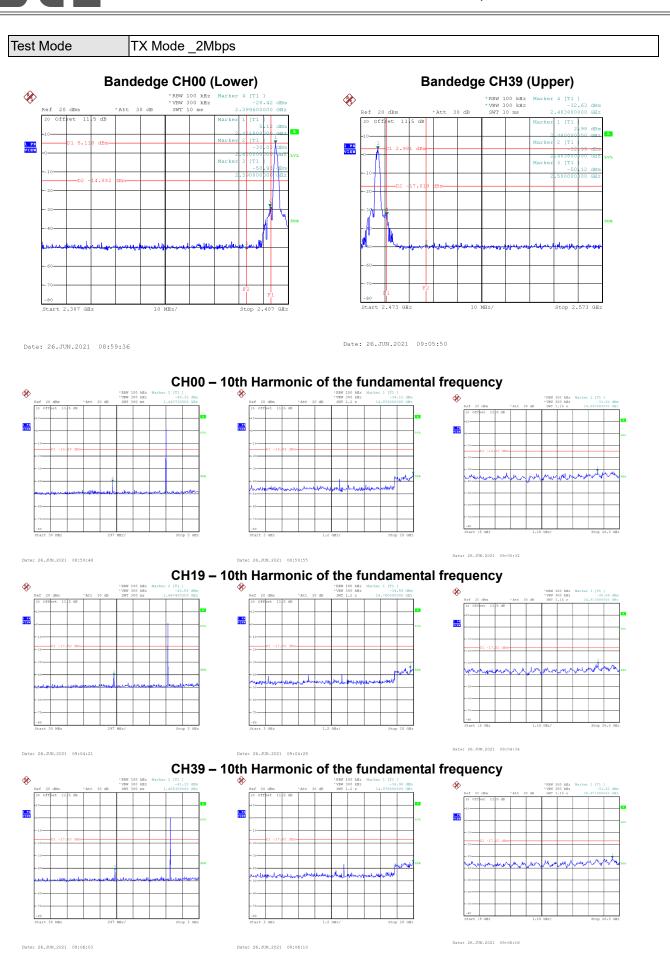
Date: 26.JUN.2021 08:58:52

30.00



APPENDIX G - CONDUCTED SPURIOUS EMISSION



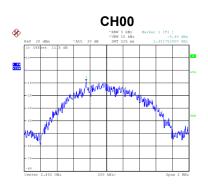




APPENDIX H - POWER SPECTRAL DENSITY



Test Mode		TX Mode _1Mbps					
	Channel	Frequency (MHz)	Power Spectral Density (dBm/3 kHz)	Max. Limit (dBm/3 kHz)	Test Result		
	00	2402	-8.48	8.00	Pass		
	19	2440	-8.40	8.00	Pass		
	39	2480	-8.25	8.00	Pass		





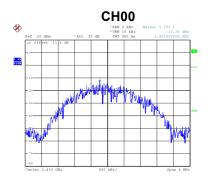


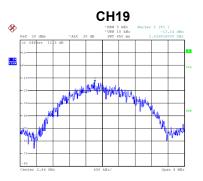
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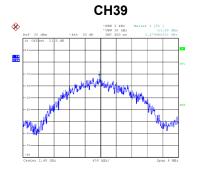
Test Mode

TX Mode _2Mbps

Frequency (MHz) Power Spectral Density Max. Limit Channel Test Result (dBm/3 kHz) (dBm/3 kHz) 00 2402 -13.38 8.00 Pass 19 2440 -13.14 8.00 Pass 39 2480 -11.69 8.00 Pass







Date: 26.JUN.2021 09:06:22

Date: 26.JUN.2021 09:01:02

Date: 26.JUN.2021 09:04:40

End of Test Report