





VARIANT FCC TEST REPORT (Part 15, Subpart C)

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China,
	100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Mobile Phone
Brand Name:	Redmi
Model Name:	2303CRA44A
FCC ID:	2AFZZRA44A
Date of tests:	Feb. 07, 2023 ~ Feb. 20, 2023

The tests have been carried out according to the requirements of the following standard:

FCC Part 15, Subpart C, Section 15.247

ANSI C63.10-2013

CONCLUSION: The submitted sample was found to **COMPLY** with the test requirement

Prepared by Simon Wang	Approved by Luke Lu
Engineer / Mobile Department	Manager / Mobile Department

Simon Wang

Date: Feb. 20, 2023

luke lu

Date: Feb. 20, 2023

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED	
W7L-P21100026RF10	Original release	Nov. 29, 2021	
W7L-P23020004RF01	Based on the original product changing the model name and FCC ID, software version and hardware version, add adapter (MDY-14-EL, MDY-14-EK), remove adapter(MDY-11-EZ), replace USB Cable(B23230, H23230), change Rear Camera, The new sample only Spot-Check worst case for RSE and conducted power and the Spot-Check results of conducted power are similar or lower. So this report only replaces the low frequency data and the high frequency data (8DPSK CH 39) of RSE.	Feb. 20, 2023	

District, Shenzhen, Guangdong, China



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

	APPLIED STANDARD: FCC Part 15, Subpart C								
STANDARD	RESULT								
15.207	AC Power Conducted Emission	See Note 3							
15.247(a)(1) (iii)	Number of Hopping Frequency Used	See Note 3							
15.247(a)(1) (iii)	Dwell Time on Each Channel	See Note 3							
15.247(a)(1)	 Hopping Channel Separation Spectrum Bandwidth of a Frequency Hopping Sequence Spread Spectrum System 	See Note 3							
15.247(b)	Maximum Peak Output Power	Compliance							
15.247(d)& 15.209	Transmitter Radiated Emissions	Compliance							
15.247(d)	Out of band Measurement	See Note 3							
15.203	Antenna Requirement	See Note 3							

NOTE:

- If the Frequency Hopping System operating in 2400-2483.5MHz band and the output power less than 125mW. The hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of hopping channel whichever is greater.
- 2. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.
- 3. Please refer to the original report W7L-P21100026RF10, FCC ID: 2AFZZ117SG.

Test Lab Information Reference:

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

Lab Address:

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Accredited Test Lab Cert 3939.01



1.1 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:

MEASUREMENT	UNCERTAINTY
AC Power Conducted emissions	±2.70dB
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions (30MHz~1GHz)	±4.98dB
Radiated emissions (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Power Spectral Density	±0.85 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Z.I GENERAL DESCRIP	1011 01 201
PRODUCT	Mobile Phone
BRAND NAME	Redmi
MODEL NAME	2303CRA44A
NOMINAL VOLTACE	5.0V/9.0V/11.0V/12.0V/20.0Vdc(adapter or host equipment)
NOMINAL VOLTAGE	3.87Vdc (Li-ion, battery)
MODULATION	FHSS
TECHNOLOGY	rnoo
MODULATION TYPE	GFSK, 8DPSK, π/4 DQPSK
OPERATING FREQUENCY	2402MHz~2480MHz
NUMBER OF CHANNEL	79
MAX. OUTPUT POWER	8.73mW (Max. Measured)
ANTENNA TYPE	PIFA Antenna with -0.31dBi gain
HW VERSION	P1
SW VERSION	MIUI14
IMEI	8666988060013488
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB1 cable: unshielded without ferrite, 1.0meter
CABLE SUPPLIED	USB2 cable: unshielded without ferrite, 1.0meter

NOTE:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

Email: customerservice.sw@bureauveritas.com



2.2 DESCRIPTION OF TEST MODES

79 channels are provided to this EUT:

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		



2.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photograph of the test configuration for reference.

2.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned on X axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE<1G	RE≥1G	PLC	APCM	DESCRIPTION
-	V	V	-	-	•

Where

RE<1G: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz

APCM: Antenna Port Conducted Measurement

RADIATED EMISSION TEST (BELOW 1 GHz):

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

EUT CONFIGURE	AVAILABLE	TESTED	MODULATION	MODULATION	PACKET
MODE	CHANNEL	CHANNEL	TECHNOLOGY	TYPE	TYPE
-	0 to 78	39	FHSS	8DPSK	3DH5

RADIATED EMISSION TEST (ABOVE 1 GHz):

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

EUT CONFIGURE	AVAILABLE	TESTED	MODULATION	MODULATION	PACKET
MODE	CHANNEL	CHANNEL	TECHNOLOGY	TYPE	TYPE
-	0 to 78	39	FHSS	8DPSK	3DH5



_

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE (SYSTEM)	TESTED BY
RE<1G	23deg. C, 70%RH	DC 5/9/12/20/11V By Adapter	David Yuan
RE≥1G	23deg. C, 70%RH	DC 5/9/12/20/11V By Adapter	David Yuan

BV 7Layers Communications Technology



2.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart C. Section 15.247 **ANSI C63.10-2013**

NOTE: 1. All test items have been performed and recorded as per the above standards.

2. The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (Certification). The test report has been issued separately.

2.4 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.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Desktop	Lenovo	M73 SFF	PC04GRQV	N/A
2	Desktop	Lenovo	M73 SFF	PC06CS27	N/A
3	Laptop	Lenovo	Thinkpad L440	R90FTFKN	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, Detachable 1.5m
2	AC Line: Unshielded, Detachable 1.5m
3	AC Line: Unshielded, Detachable 1.5m

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Tel: +86 755 8869 6566

Fax: +86 755 8869 6577



3 TEST TYPES AND RESULTS

3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a). 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. As shown in 15.35(b), 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.



3.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn- CT0001143-1216	May. 19,20	May. 18,23
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 06,22	Mar. 05,23
Horn Antenna	ETS-LINDGREN	3117	00168692	Mar. 06,22	Mar. 05,23
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40- K-SG/QMS-003 61	15433	Aug. 27, 22	Aug. 26, 23
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	JS1120-3	3.2.06	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 02,22	Jun. 01,23
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 21,22	Feb. 20,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 21,22	Feb.20,23
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 24,22	Aug. 23,23
Power Meter	Anritsu	ML2495A	1506002	Feb. 22,22	Feb. 21,23
Power Sensor	Anritsu	MA2411B	1339352	May. 14,22	May. 13,23
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep. 04,22	Sep. 03,23

NOTE: 1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

- 2. The test was performed in 3m Chamber.
- 3. The FCC Site Registration No. is 525120; The Designation No. is CN1171.



3.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 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 antenna is a broadband antenna, and its height 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 Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTE:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
- 4. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from 20log(dwell time/100 ms), in an effort to demonstrate compliance with the 15.209 limit.
- 5. All modes of operation were investigated and the worst-case emissions are reported.

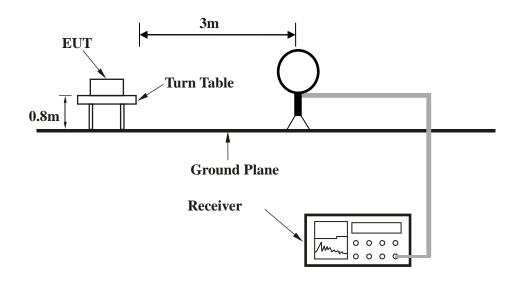
3.1.4 DEVIATION FROM TEST STANDARD

No deviation.

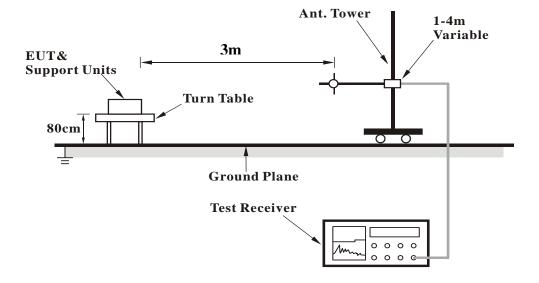
3.1.5 TEST SETUP



<Frequency Range 9KHz~30MHz >

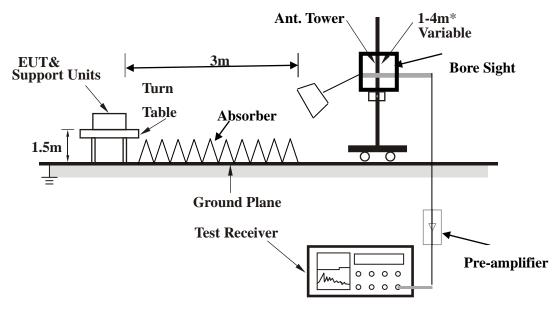


< Frequency Range 30MHz~1GHz >





<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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

3.1.6 EUT OPERATING CONDITIONS

- a. Set the EUT under full load condition and placed them on a testing table.
- b. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- c. The necessary accessories enable the EUT in full functions.



3.1.7 TEST RESULTS

NOTE: The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA:

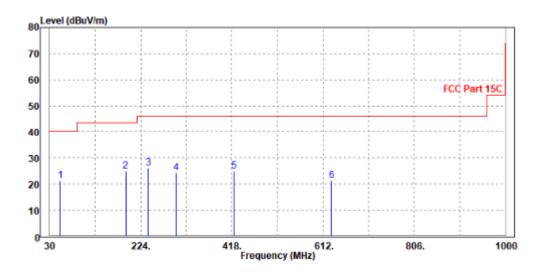
30 MHz - 1GHz data:

BT_8DPSK

CHANNEL	Channel 39	DETECTOR FUNCTION	Ouesi Deek (OD)
FREQUENCY RANGE		DETECTOR FUNCTION	Quasi-Peak (QP)

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
FREQ.	EMISSION LEVEL	READ LEVEL	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR	CABLE LOSS	PREAMP FACTOR	ANTENNA HEIGHT	TABLE ANGLE	REMARK
	(dBuV/m)	(dBuV)	40	40.00	(dB /m)	(dB)	(dB)	(cm)	(Degree)	0.5
52.31	21.31	47.92	40	-18.69	9.97	0.41	36.99	109	51	QP
191.99	24.93	49.2	43.5	-18.57	11.34	0.72	36.33	189	324	QP
240.49	26.12	48.51	46	-19.88	13.08	0.81	36.28	173	357	QP
299.66	24.3	45.65	46	-21.7	14	0.91	36.26	100	357	QP
422.85	24.96	43.69	46	-21.04	16.63	1.11	36.47	126	334	QP
630.43	21.18	36.46	46	-24.82	20.28	1.4	36.96	165	193	QP

- 1. Emission Level(dBuV/m) = Read Level(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.
- 4. Margin value = Emission Level Limit value

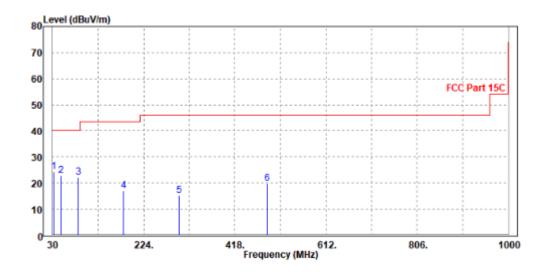




CHANNEL	Channel 39	DETECTOR FUNCTION	Ougai Back (OD)
FREQUENCY RANGE		DETECTOR FUNCTION	Quasi-Peak (QP)

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
FREQ.	EMISSION LEVEL	READ LEVEL	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR	CABLE LOSS	PREAMP FACTOR	ANTENNA HEIGHT	TABLE ANGLE	REMARK
31.94	(dBuV/m) 24.37	(dBuV) 42.15	40	-15.63	(dB /m) 19.33	(dB) 0.32	(dB) 37.43	(cm) 137	(Degree)	QP
48.43	22.9	49.27	40	-17.1	10.27	0.39	37.03	186	173	QP
84.32	22.1	50.52	40	-17.9	8.03	0.5	36.95	123	151	QP
180.35	17.11	41.59	43.5	-26.39	11.21	0.71	36.4	174	197	QP
299.66	15.27	36.63	46	-30.73	13.99	0.91	36.26	127	171	QP
486.87	19.74	37.7	46	-26.26	17.43	1.2	36.59	120	152	QP

- 1. Emission Level(dBuV/m) = Read Level(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.
- 4. Margin value = Emission Level Limit value





ABOVE 1GHz WORST-CASE DATA:

Note: 1. For radiated emissions testing ,the full testing range of different modes have been scanned ,only the worst case harmonic data is reported in the sheet.

2. All other emissions were greater than 20dB below the limit is not recorded

1GHz – 25GHz: (Scan with GFSK, π/4-DQPSK, 8DPSK mode, the worst case is 8DPSK Mode)

CHANNEL	TX Channel 39	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
2390	50.54	58.58	74	-23.46	31.75	6.18	45.97	190	240	Peak
2390	43.62	51.66	54	-10.38	31.75	6.18	45.97	190	240	Average
2441	97.33	105.12	1	1	31.91	6.25	45.95	190	240	Peak
2441	97.07	104.86	1	1	31.91	6.25	45.95	190	240	Average
2483.5	50.5	58.07	74	-23.5	32.05	6.31	45.93	190	240	Peak
2483.5	44.04	51.61	54	-9.96	32.05	6.31	45.93	190	240	Average
		ANTEN	NA POLA	ARITY & 1	TEST DIST	ANCE: \	VERTICA	L AT 3 M		
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
2390	52.16	59.81	74	-21.84	32.14	6.18	45.97	100	170	Peak
2390	43.57	51.22	54	-10.43	32.14	6.18	45.97	100	170	Average
2441	92.99	100.43	1	1	32.26	6.25	45.95	100	170	Peak
2441	92.47	99.91	1	1	32.26	6.25	45.95	100	170	Average
2483.5	52.6	59.86	74	-21.4	32.36	6.31	45.93	100	170	Peak
2483.5	44.17	51.43	54	-9.83	32.36	6.31	45.93	100	170	Average

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor Margin value = Emission level – Limit value.
- 2. 2441MHz: Fundamental frequency.

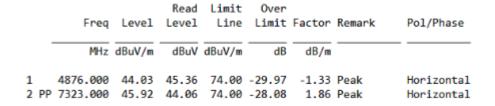


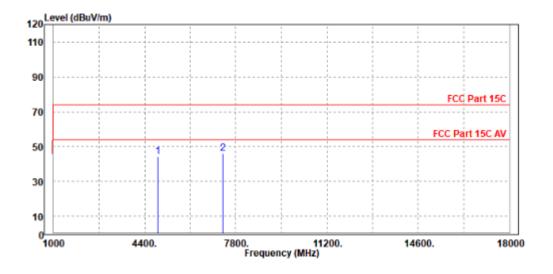
Worst case harmonic:

BT_8DPSK

CHANNEL	TX Channel 39	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

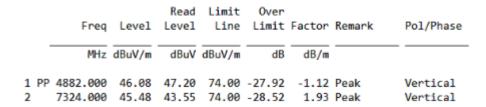


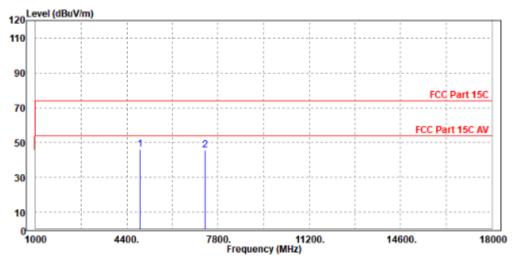


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ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M





- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor Margin value = Emission level – Limit value.
- 2. 2441MHz: Fundamental frequency.
- 3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

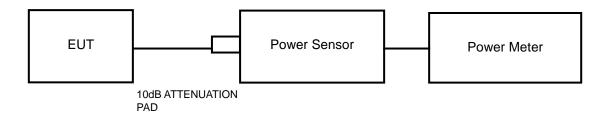


3.2 **MAXIMUM OUTPUT POWER**

3.2.1 LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 125mW.

3.2.2 TEST SETUP



3.2.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information of above instrument.

3.2.4 TEST PROCEDURES

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.

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3.2.5 DEVIATION FROM TEST STANDARD No deviation.

3.2.6 EUT OPERATING CONDITION

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



3.2.7 TEST RESULTS

3.2.7.1 MAXIMUM PEAK OUTPUT POWER

TestMode	Antenna	Channel	Result[dBm]	Result[mw]	Limit[dBm]	Verdict
DH5	Ant1	2402	8.74	7.48	≤20.97	PASS
		2441	9.41	8.73	≤20.97	PASS
		2480	9.11	8.15	≤20.97	PASS
2DH5	Ant1	2402	7.21	5.26	≤20.97	PASS
		2441	7.77	5.98	≤20.97	PASS
		2480	7.48	5.60	≤20.97	PASS
3DH5	Ant1	2402	7.14	5.18	≤20.97	PASS
		2441	7.61	5.77	≤20.97	PASS
		2480	7.32	5.40	≤20.97	PASS

SPOT-CHECK

TestMode	Antenna	Channel	Result[dBm]	Result[mw]	Limit[dBm]	Verdict
DH5	Ant1	2402	8.62	7.28	≤20.97	PASS
		2441	9.13	8.18	≤20.97	PASS
		2480	8.81	7.60	≤20.97	PASS

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Average Output Power (FOR REFERENCE) 3.2.7.2

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

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	8.36	/	PASS
		2441	9.28	/	PASS
		2480	8.99	/	PASS
2DH5	Ant1	2402	7.03	/	PASS
		2441	7.52	/	PASS
		2480	7.33	/	PASS
3DH5	Ant1	2402	7.05	/	PASS
		2441	7.55	/	PASS
		2480	7.28	/	PASS



4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

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5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.