VARIANT FCC TEST REPORT

(Part 15, Subpart C)

Applicant:	Shenzhen Zolon Technology Co., Ltd.
Address:	401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, P.R.C

Manufacturer or Supplier:	Shenzhen Zolon Technology Co., Ltd.
Address:	401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, P.R.C
Product:	Smart Desktop Terminal
Brand Name:	ZOLON
Model Name:	L1400
FCC ID:	2AV5BL1400
Date of tests:	Feb. 16, 2022 ~ Jun. 17, 2022

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	Luke Lu
Date: Jun. 16, 2023	Date: Jun. 16, 2023

TABLE OF CONTENTS

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P22010035RF02	Original release	Mar. 08, 2022
W7L- P22050011RF02	Based on the original report W7L-P21120035RF02 add 6 pogopin contacts (USB signal), change antenna shape and position and modified the main board. In this report verify RSE worst case, other test data is copied from the original test report.	Jun. 17, 2022
W7L-P23060012RF02	Based on the original product changing the FCC ID, applicant and manufacturer information, band name.	Jun. 16, 2023

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)		
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**
15.207	AC Power Conducted Emission	Compliance
15.205 15.209	Radiated Emissions	Compliance
15.247(d)	Out of band Emission Measurement	Compliance
15.247(a)(2)	6dB bandwidth	Compliance
15.247(b)	Conducted Output power	Compliance
15.247(e)	Power Spectral Density	Compliance
15.203	Antenna Requirement	Compliance

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 (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

PRODUCT	Smart Desktop Terminal
BRAND NAME	ZOLON
MODEL NAME	L1400
NOMINAL VOLTAGE	12Vdc (adapter)
MODULATION	DBPSK,DQPSK,CCK, BPSK,QPSK,16QAM,64QAM,GFSK
TRANSMISSION RATE	802.11b: 11/ 5.5/ 2.0 / 1.0 Mbps 802.11g: 54/ 48/ 36 / 24 / 18 / 9/ 6 Mbps 802.11n20: up to 72.2 Mbps BT_LE: 1 Mbps
OPERATING FREQUENCY	2412-2462MHz for 11b/g/n(HT20) 2402-2480MHz for BT-LE(GFSK)
MAX. OUTPUT POWER	WLAN: 93.76mW (Maximum) BT-LE: 4.29mW (Maximum)
ANTENNA TYPE	FPC Antenna with 1dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one transmitter and one receiver.

MODULATION MODE	TX/RX FUNCTION
802.11b	1TX /1RX
802.11g	1TX /1RX
802.11n (20MHz)	1TX /1RX
BT_LE(1MHz)	1TX /1RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

List of Accessory:

ACCESSORIES	BRAND	MODEL	SPECIFICATION
AC Adapter	/	ADT-65NS-D00	I/P: 100-240Vac, 1.6A, O/P:12Vdc, 5.0A,1.8 meter

2.2 DESCRIPTION OF TEST MODES

11 channels are provided for 802.11b, 802.11g and 802.11n (HT20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		

40 channels are provided for BT-LE (GFSK):

CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	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

2.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photographs 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 Y axis for radiated emission. Following test modes were selected for the final test, and the final worst case is marked in boldface and recorded in the report:

EUT CONFIGURE MODE	APPLICABLE TO				MODE
	RE<1G	RE≥1G	PLC	APCM	
-	√	√	√	√	-

Where **RE<1G:** Radiated Emission below 1GHz **RE≥1G:** Radiated Emission above 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

NOTE: No need to concern of Conducted Emission due to the EUT is powered by battery.

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
802.11n HT20	1 to 11	11	OFDM	MCS0
BT-LE	0 to 39	0	GFSK	1.0

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
802.11b	1 to 11	1, 6, 11	DSSS	1.0
802.11g	1 to 11	1, 6, 11	OFDM	6.0
802.11n HT20	1 to 11	1, 6, 11	OFDM	MCS0
BT-LE	0 to 39	0,19, 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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
802.11n HT20	1 to 11	11	OFDM	MCS0

BANDEDGE MEASUREMENT:

☒ 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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
802.11b	1 to 11	1, 11	DSSS	1.0
802.11g	1 to 11	1, 11	OFDM	6.0
802.11n HT20	1 to 11	1, 11	OFDM	MCS0
BT-LE	0 to 39	0, 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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
802.11b	1 to 11	1, 6, 11	DSSS	1.0
802.11g	1 to 11	1, 6, 11	OFDM	6.0
802.11n HT20	1 to 11	1, 6, 11	OFDM	MCS0
BT-LE	0 to 39	0,19, 39	GFSK	1

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE	TESTED BY
RE<1G	23deg. C, 70%RH	DC 12V	Carl Xie
RE≥1G	23deg. C, 70%RH	DC 12V	Carl Xie
PLC	25deg. C, 52%RH	DC 12V	Lily Zhao
APCM	25deg. C, 60%RH	DC 12V	Lily Zhao

2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix 1 of this test report.

2.4 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

KDB 558074 D01 DTS Meas Guidance v05r02

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.

2.5 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	Thnikpad T450	PC-049PT1	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

3 TEST TYPES AND RESULTS

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

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

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

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Mar. 03,21	Mar. 02,22
EMI Test Receiver	Rohde&Schwarz	ESR3	101900	Mar. 03,22	Mar. 02,23
EMC32 test software	Rohde&Schwarz	EMC32	NA	NA	NA
LISN network	Rohde&Schwarz	ENV216	101922	Feb. 25,21	Feb. 24,22
LISN network	Rohde&Schwarz	ENV216	101922	Feb. 25,22	Feb. 24,23

NOTE:

1. The test was performed in CE shielded room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

3.1.3 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.

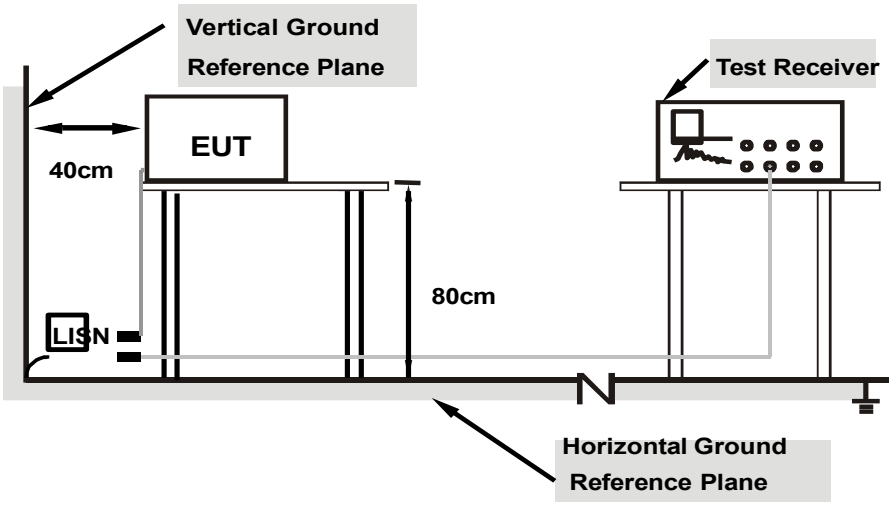
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: 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



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

3.1.6 EUT OPERATING CONDITIONS

a. Turned on the power and connected of all equipment.
b. EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

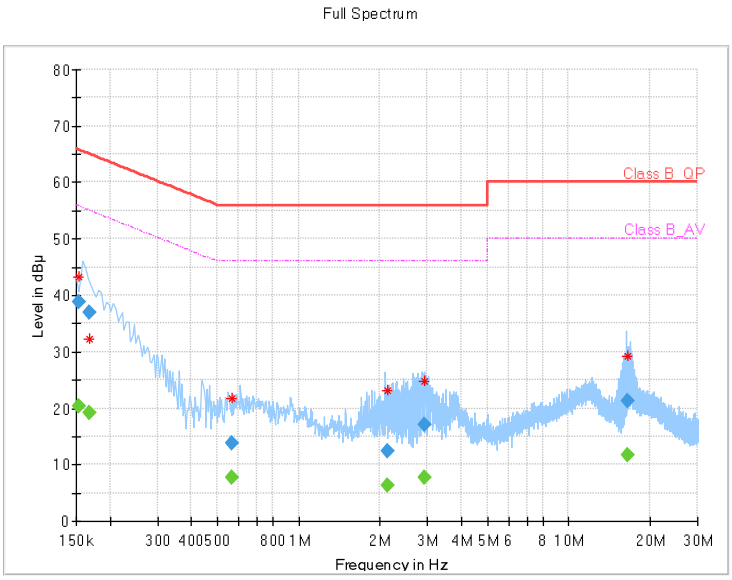
3.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA:

Frequency Range	150KHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	25deg. C, 55%RH
Tested By	Carl Xie		

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	---	20.39	55.78	35.41	L1	ON	9.7
0.154000	38.74	---	65.78	27.04	L1	ON	9.7
0.168000	---	19.08	55.06	35.98	L1	ON	9.7
0.168000	37.06	---	65.06	28.00	L1	ON	9.7
0.564000	---	7.70	46.00	38.30	L1	ON	9.7
0.564000	13.71	---	56.00	42.29	L1	ON	9.7
2.144000	---	6.22	46.00	39.78	L1	ON	9.7
2.144000	12.51	---	56.00	43.49	L1	ON	9.7
2.932000	---	7.83	46.00	38.17	L1	ON	9.7
2.932000	17.11	---	56.00	38.89	L1	ON	9.7
16.492000	---	11.61	50.00	38.39	L1	ON	9.8
16.492000	21.37	---	60.00	38.63	L1	ON	9.8

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Limit value - Emission level
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

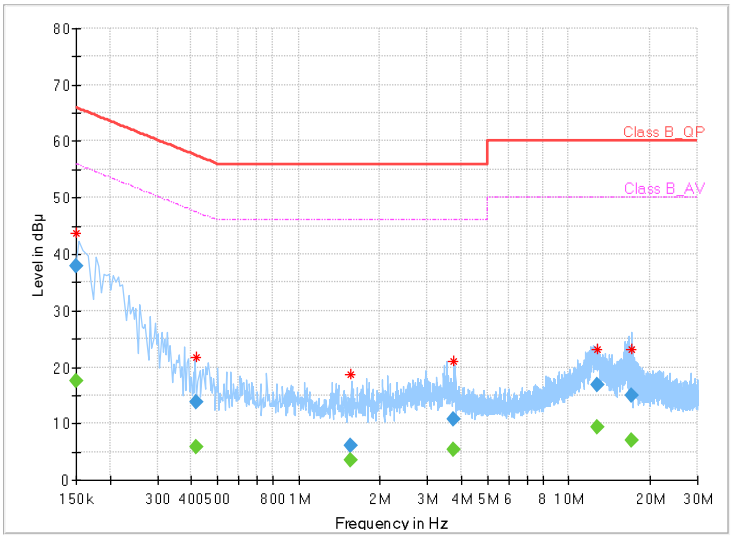


Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	25deg. C, 55%RH
Tested By	Carl Xie		

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	17.49	56.00	38.51	N	ON	9.7
0.150000	37.83	---	66.00	28.17	N	ON	9.7
0.416000	---	5.77	47.53	41.76	N	ON	9.7
0.416000	13.79	---	57.53	43.74	N	ON	9.7
1.552000	---	3.47	46.00	42.53	N	ON	9.8
1.552000	6.16	---	56.00	49.84	N	ON	9.8
3.748000	---	5.30	46.00	40.70	N	ON	9.8
3.748000	10.86	---	56.00	45.14	N	ON	9.8
12.736000	---	9.44	50.00	40.56	N	ON	9.8
12.736000	16.95	---	60.00	43.05	N	ON	9.8
17.084000	---	7.07	50.00	42.93	N	ON	9.9
17.084000	14.90	---	60.00	45.10	N	ON	9.9

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Limit value - Emission level
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

Full Spectrum



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION 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).

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.

3.2.2 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. 05,21	Mar. 04,22
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 04,22	Mar. 03,23
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 02,21	Apr. 01,22
Horn Antenna	ETS-LINDGREN	3117	00168728	Apr. 01,22	Mar. 31,23
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 03,21	Jun. 02,22
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 02,22	Jun. 01,23
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 22,21	Apr. 21,22
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 21,22	Apr. 20,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 01,22	May. 31,23
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 03,21	Jun. 02,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 02,22	Jun. 01,23
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 22,21	Apr. 21,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 21,22	Apr. 20,23

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.

3.2.3 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:

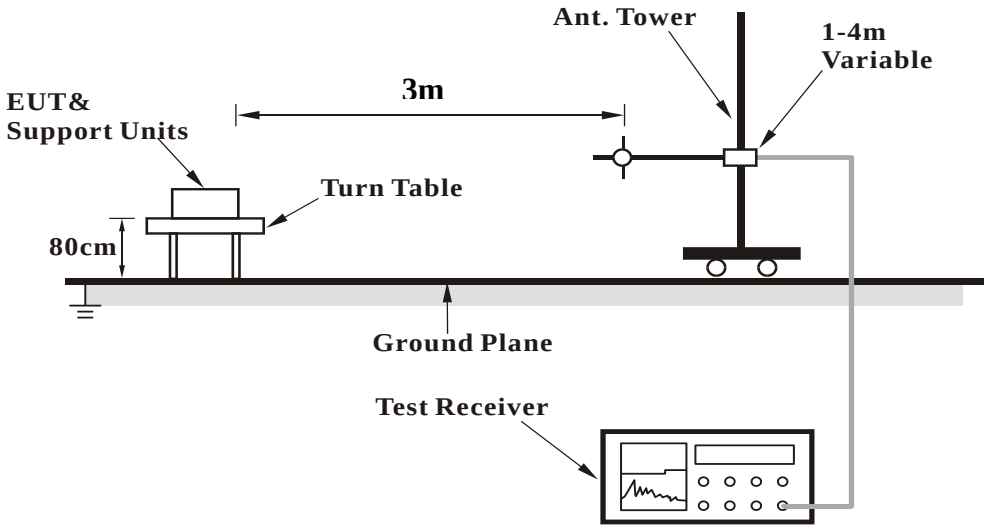
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

3.2.4 DEVIATION FROM TEST STANDARD

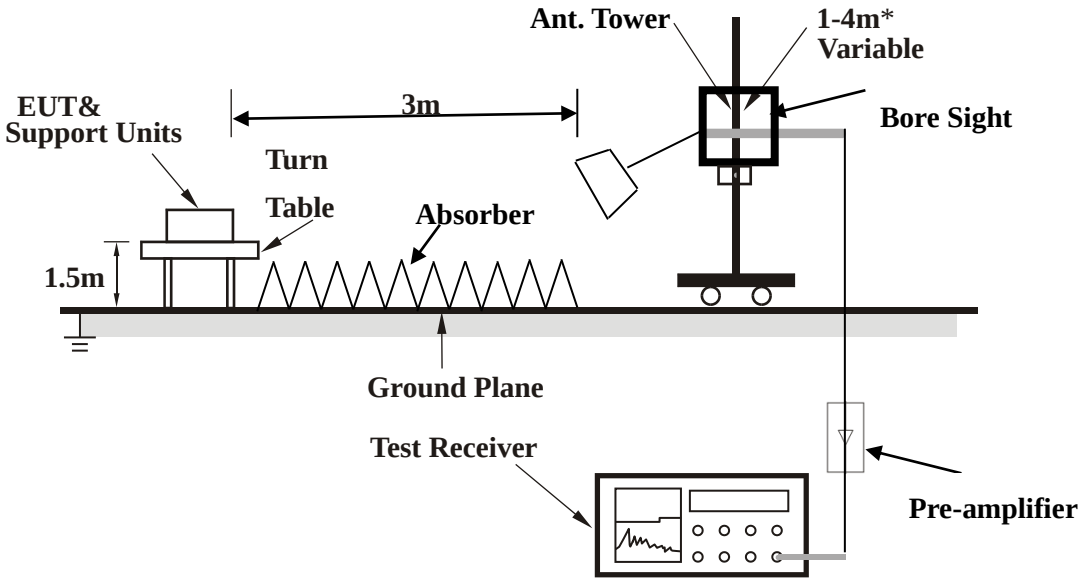
No deviation

3.2.5 TEST SETUP

< 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).

3.2.6 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.

3.2.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

30 MHz – 1GHz data:

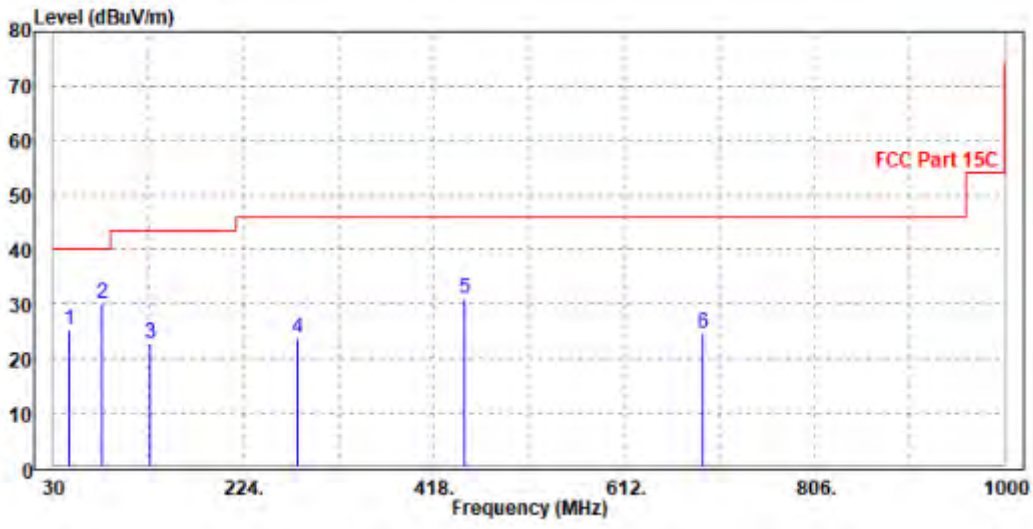
802.11n (20MHz)

CHANNEL	TX Channel 11	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

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
46.49	25.13	51.63	40	-14.87	10.5	0.38	37.38	200	360	QP
80.44	30.11	59.06	40	-9.89	7.9	0.49	37.34	200	360	QP
127.97	22.9	51.82	43.5	-20.6	7.5	0.6	37.02	200	360	QP
279.29	23.63	45.79	46	-22.37	13.67	0.88	36.71	200	360	QP
450.01	30.91	48.88	46	-15.09	17.8	1.15	36.92	200	360	QP
691.54	24.68	38.2	46	-21.32	22.53	1.47	37.52	200	360	QP

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.

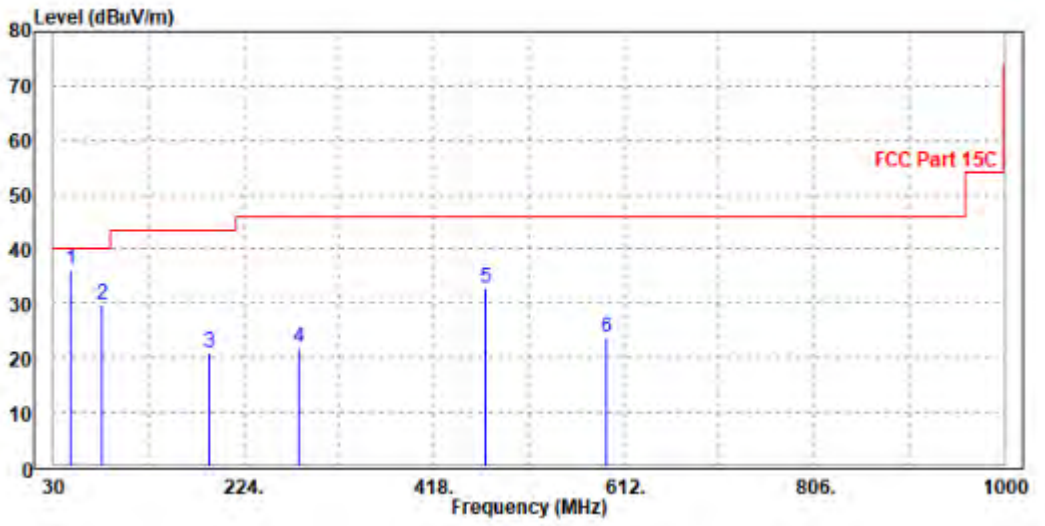


CHANNEL	TX Channel 11	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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
47.46	36.14	63.31	40	-3.86	9.81	0.39	37.37	300	360	QP
79.47	29.88	58.45	40	-10.12	8.28	0.49	37.34	300	360	QP
189.08	20.96	46	43.5	-22.54	10.84	0.72	36.6	300	360	QP
281.23	21.98	43.26	46	-24.02	14.55	0.88	36.71	300	360	QP
470.38	32.82	50.05	46	-13.18	18.54	1.18	36.95	300	360	QP
594.54	23.6	38.8	46	-22.4	20.8	1.35	37.35	300	360	QP

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.



ABOVE 1GHz WORST-CASE DATA:

Note: For higher frequency, the emission is too low to be detected.

802.11b:

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

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	51.26	60.02	74	-22.74	31.75	5.86	46.37	100	5	Peak
2390	43.97	52.73	54	-10.03	31.75	5.86	46.37	100	5	Average
2412	94.05	102.71	-	-	31.82	5.89	46.37	100	5	Peak
2412	92.93	101.59	-	-	31.82	5.89	46.37	100	5	Average
2483.5	51.82	60.15	74	-22.18	32.05	5.99	46.37	100	5	Peak
2483.5	44.82	53.15	54	-9.18	32.05	5.99	46.37	100	5	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	52.58	60.95	74	-21.42	32.14	5.86	46.37	100	0	Peak
2390	44.65	53.02	54	-9.35	32.14	5.86	46.37	100	0	Average
2412	101.23	109.52	-	-	32.19	5.89	46.37	100	0	Peak
2412	100.09	108.38	-	-	32.19	5.89	46.37	100	0	Average
2483.5	53.37	61.39	74	-20.63	32.36	5.99	46.37	100	0	Peak
2483.5	44.8	52.82	54	-9.2	32.36	5.99	46.37	100	0	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2412MHz: Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		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	52.22	60.98	74	-21.78	31.75	5.86	46.37	100	255	Peak
2390	44.33	53.09	54	-9.67	31.75	5.86	46.37	100	255	Average
2437	94.45	102.99	-	-	31.9	5.93	46.37	100	255	Peak
2437	93.16	101.7	-	-	31.9	5.93	46.37	100	255	Average
2483.5	52.26	60.59	74	-21.74	32.05	5.99	46.37	100	255	Peak
2483.5	44.26	52.59	54	-9.74	32.05	5.99	46.37	100	255	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	52.32	60.69	74	-21.68	32.14	5.86	46.37	100	0	Peak
2390	44.84	53.21	54	-9.16	32.14	5.86	46.37	100	0	Average
2437	101.45	109.64	-	-	32.25	5.93	46.37	100	0	Peak
2437	100.24	108.43	-	-	32.25	5.93	46.37	100	0	Average
2483.5	52.6	60.62	74	-21.4	32.36	5.99	46.37	100	0	Peak
2483.5	44.88	52.9	54	-9.12	32.36	5.99	46.37	100	0	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
   2. 2437MHz: Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		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	51.2	59.96	74	-22.8	31.75	5.86	46.37	165	240	Peak
2390	43.14	51.9	54	-10.86	31.75	5.86	46.37	165	240	Average
2462	96.73	105.16	-	-	31.98	5.96	46.37	165	240	Peak
2462	94.58	103.01	-	-	31.98	5.96	46.37	165	240	Average
2483.5	52.24	60.57	74	-21.76	32.05	5.99	46.37	165	240	Peak
2483.5	43.4	51.73	54	-10.6	32.05	5.99	46.37	165	240	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	52.55	60.92	74	-21.45	32.14	5.86	46.37	100	0	Peak
2390	43.31	51.68	54	-10.69	32.14	5.86	46.37	100	0	Average
2462	102.02	110.12	-	-	32.31	5.96	46.37	100	0	Peak
2462	99.29	107.39	-	-	32.31	5.96	46.37	100	0	Average
2483.5	53.73	61.75	74	-20.27	32.36	5.99	46.37	100	0	Peak
2483.5	44.08	52.1	54	-9.92	32.36	5.99	46.37	100	0	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2462MHz: Fundamental frequency.

802.11g

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		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	53.61	62.37	74	-20.39	31.75	5.86	46.37	103	260	Peak
2390	43.53	52.29	54	-10.47	31.75	5.86	46.37	103	260	Average
2412	98.14	106.8	-	-	31.82	5.89	46.37	103	260	Peak
2412	89.72	98.38	-	-	31.82	5.89	46.37	103	260	Average
2483.5	53.49	61.82	74	-20.51	32.05	5.99	46.37	103	260	Peak
2483.5	43.05	51.38	54	-10.95	32.05	5.99	46.37	103	260	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	58.1	66.47	74	-15.9	32.14	5.86	46.37	100	360	Peak
2390	47.31	55.68	54	-6.69	32.14	5.86	46.37	100	360	Average
2412	104.19	112.48	-	-	32.19	5.89	46.37	100	360	Peak
2412	96.12	104.41	-	-	32.19	5.89	46.37	100	360	Average
2483.5	51.95	59.97	74	-22.05	32.36	5.99	46.37	100	360	Peak
2483.5	44.35	52.37	54	-9.65	32.36	5.99	46.37	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2412MHz: Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		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	50.89	59.65	74	-23.11	31.75	5.86	46.37	100	255	Peak
2390	43.29	52.05	54	-10.71	31.75	5.86	46.37	100	255	Average
2437	97.93	106.47	-	-	31.9	5.93	46.37	100	255	Peak
2437	89.99	98.53	-	-	31.9	5.93	46.37	100	255	Average
2483.5	51.75	60.08	74	-22.25	32.05	5.99	46.37	100	255	Peak
2483.5	43.8	52.13	54	-10.2	32.05	5.99	46.37	100	255	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	51.99	60.36	74	-22.01	32.14	5.86	46.37	100	360	Peak
2390	43.72	52.09	54	-10.28	32.14	5.86	46.37	100	360	Average
2437	104.41	112.6	-	-	32.25	5.93	46.37	100	360	Peak
2437	96.37	104.56	-	-	32.25	5.93	46.37	100	360	Average
2483.5	53.67	61.69	74	-20.33	32.36	5.99	46.37	100	360	Peak
2483.5	43.83	51.85	54	-10.17	32.36	5.99	46.37	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
   2. 2437MHz: Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	50.2	58.96	74	-23.8	31.75	5.86	46.37	105	240	Peak
2390	42.97	51.73	54	-11.03	31.75	5.86	46.37	105	240	Average
2462	97.76	106.19	-	-	31.98	5.96	46.37	105	240	Peak
2462	90.63	99.06	-	-	31.98	5.96	46.37	105	240	Average
2483.5	50.97	59.3	74	-23.03	32.05	5.99	46.37	105	240	Peak
2483.5	43.6	51.93	54	-10.4	32.05	5.99	46.37	105	240	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	51.75	60.12	74	-22.25	32.14	5.86	46.37	100	360	Peak
2390	43.77	52.14	54	-10.23	32.14	5.86	46.37	100	360	Average
2462	103.96	112.06	-	-	32.31	5.96	46.37	100	360	Peak
2462	96.1	104.2	-	-	32.31	5.96	46.37	100	360	Average
2483.5	55.19	63.21	74	-18.81	32.36	5.99	46.37	100	360	Peak
2483.5	45.93	53.95	54	-8.07	32.36	5.99	46.37	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2462MHz: Fundamental frequency.

802.11n (20MHz)

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

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	52.4	61.16	74	-21.6	31.75	5.86	46.37	103	255	Peak
2390	43.59	52.35	54	-10.41	31.75	5.86	46.37	103	255	Average
2412	96.87	105.53	-	-	31.82	5.89	46.37	103	255	Peak
2412	89.44	98.1	-	-	31.82	5.89	46.37	103	255	Average
2483.5	52.27	60.6	74	-21.73	32.05	5.99	46.37	103	255	Peak
2483.5	43.47	51.8	54	-10.53	32.05	5.99	46.37	103	255	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	57.41	65.78	74	-16.59	32.14	5.86	46.37	100	360	Peak
2390	48.44	56.81	54	-5.56	32.14	5.86	46.37	100	360	Average
2412	103.37	111.66	-	-	32.19	5.89	46.37	100	360	Peak
2412	95.75	104.04	-	-	32.19	5.89	46.37	100	360	Average
2483.5	54.25	62.27	74	-19.75	32.36	5.99	46.37	100	360	Peak
2483.5	44.33	52.35	54	-9.67	32.36	5.99	46.37	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2412MHz: Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	51.2	59.96	74	-22.8	31.75	5.86	46.37	100	165	Peak
2390	43.44	52.2	54	-10.56	31.75	5.86	46.37	100	165	Average
2437	96.57	105.11	-	-	31.9	5.93	46.37	100	165	Peak
2437	88.32	96.86	-	-	31.9	5.93	46.37	100	165	Average
2483.5	52.37	60.7	74	-21.63	32.05	5.99	46.37	100	165	Peak
2483.5	43.75	52.08	54	-10.25	32.05	5.99	46.37	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	51.78	60.15	74	-22.22	32.14	5.86	46.37	100	360	Peak
2390	45.46	53.83	54	-8.54	32.14	5.86	46.37	100	360	Average
2437	103.24	111.43	-	-	32.25	5.93	46.37	100	360	Peak
2437	96.11	104.3	-	-	32.25	5.93	46.37	100	360	Average
2483.5	53.88	61.9	74	-20.12	32.36	5.99	46.37	100	360	Peak
2483.5	44.66	52.68	54	-9.34	32.36	5.99	46.37	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
   2. 2437MHz: Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		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	52.66	61.42	74	-21.34	31.75	5.86	46.37	105	240	Peak
2390	43.07	51.83	54	-10.93	31.75	5.86	46.37	105	240	Average
2462	97.94	106.37	-	-	31.98	5.96	46.37	105	240	Peak
2462	90.22	98.65	-	-	31.98	5.96	46.37	105	240	Average
2483.5	52.25	60.58	74	-21.75	32.05	5.99	46.37	105	240	Peak
2483.5	44.55	52.88	54	-9.45	32.05	5.99	46.37	105	240	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	52.55	60.92	74	-21.45	32.14	5.86	46.37	100	360	Peak
2390	43.89	52.26	54	-10.11	32.14	5.86	46.37	100	360	Average
2462	104.13	112.23	-	-	32.31	5.96	46.37	100	360	Peak
2462	96.02	104.12	-	-	32.31	5.96	46.37	100	360	Average
2483.5	56.67	64.69	74	-17.33	32.36	5.99	46.37	100	360	Peak
2483.5	46.78	54.8	54	-7.22	32.36	5.99	46.37	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2462MHz: Fundamental frequency.

BELOW 1GHz WORST-CASE DATA:

30 MHz – 1GHz data:

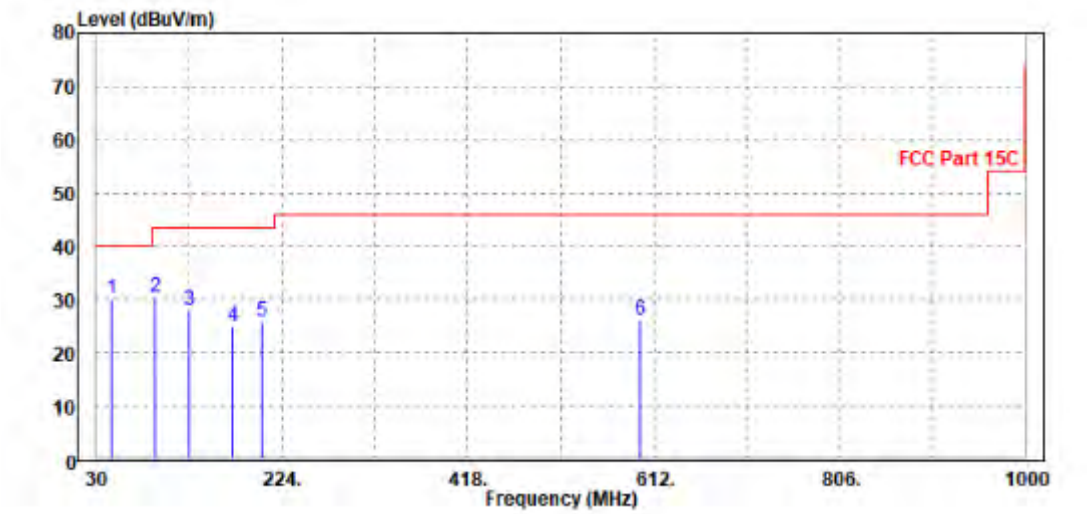
BT-LE _1M

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

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
46.49	30.19	56.48	40	-9.81	10.41	0.38	37.08	200	360	QP
92.08	30.54	57.69	43.5	-12.96	9.23	0.52	36.9	200	360	QP
127	27.91	55.15	43.5	-15.59	8.84	0.6	36.68	200	360	QP
172.59	24.95	49.49	43.5	-18.55	11.21	0.69	36.44	200	360	QP
202.66	25.72	49.85	43.5	-17.78	11.42	0.74	36.29	200	360	QP
598.42	26.07	41.89	46	-19.93	19.67	1.36	36.85	200	360	QP

REMARKS:

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.
4. Margin value = Emission Level – Limit value

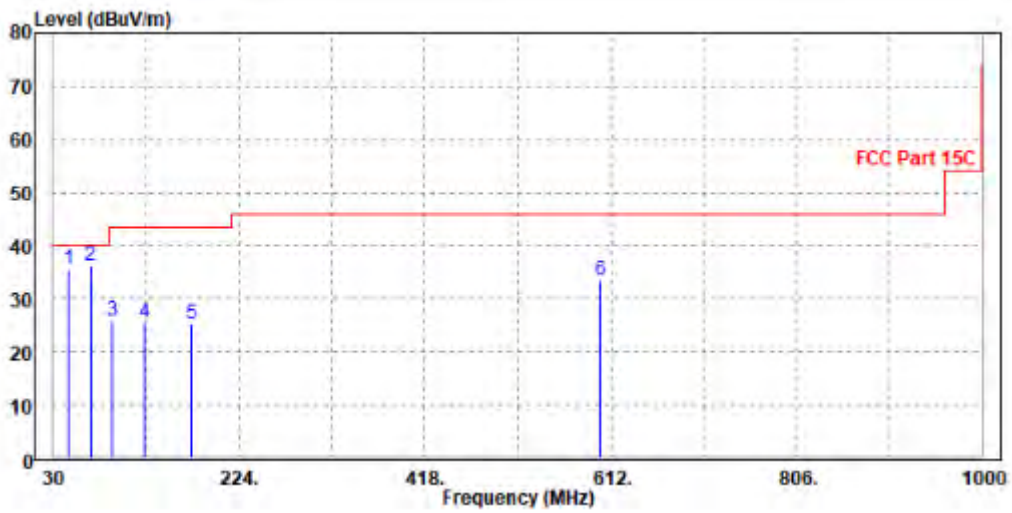


CHANNEL	TX Channel 0	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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
46.49	35.74	61.48	40	-4.26	10.96	0.38	37.08	100	0	QP
68.8	36.07	64.4	40	-3.93	8.16	0.47	36.96	100	0	QP
92.08	25.75	53.43	43.5	-17.75	8.7	0.52	36.9	100	0	QP
126.03	25.57	53.34	43.5	-17.93	8.32	0.6	36.69	100	0	QP
174.53	25.11	49.72	43.5	-18.39	11.12	0.7	36.43	100	0	QP
600.36	33.6	49.49	46	-12.4	19.6	1.36	36.85	100	0	QP

REMARKS:

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.
4. Margin value = Emission Level – Limit value



ABOVE 1GHz TEST DATA

Note: For higher frequency, the emission is too low to be detected.

BT-LE _1M

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	50.81	58.85	74	-23.19	31.75	6.18	45.97	150	120	Peak
2390	43.45	51.49	54	-10.55	31.75	6.18	45.97	150	120	Average
2402	102.14	110.13	-	-	31.79	6.19	45.97	150	120	Peak
2402	101.86	109.85	-	-	31.79	6.19	45.97	150	120	Average
2483.5	50.21	57.78	74	-23.79	32.05	6.31	45.93	150	120	Peak
2483.5	43.67	51.24	54	-10.33	32.05	6.31	45.93	150	120	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	51.02	58.67	74	-22.98	32.14	6.18	45.97	200	360	Peak
2390	43.87	51.52	54	-10.13	32.14	6.18	45.97	200	360	Average
2402	102.88	110.5	-	-	32.16	6.19	45.97	200	360	Peak
2402	102.02	109.64	-	-	32.16	6.19	45.97	200	360	Average
2483.5	52.07	59.33	74	-21.93	32.36	6.31	45.93	200	360	Peak
2483.5	44.07	51.33	54	-9.93	32.36	6.31	45.93	200	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2402MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	52.19	60.95	74	-21.81	31.75	5.86	46.37	200	330	Peak
2390	45.27	54.03	54	-8.73	31.75	5.86	46.37	200	330	Average
2440	94.89	103.42	-	-	31.91	5.93	46.37	200	330	Peak
2440	93.73	102.26	-	-	31.91	5.93	46.37	200	330	Average
2483.5	52.58	60.91	74	-21.42	32.05	5.99	46.37	200	330	Peak
2483.5	44.17	52.5	54	-9.83	32.05	5.99	46.37	200	330	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	52.5	60.87	74	-21.5	32.14	5.86	46.37	100	275	Peak
2390	45.95	54.32	54	-8.05	32.14	5.86	46.37	100	275	Average
2440	100.88	109.06	-	-	32.26	5.93	46.37	100	275	Peak
2440	96.36	104.54	-	-	32.26	5.93	46.37	100	275	Average
2483.5	53.6	61.62	74	-20.4	32.36	5.99	46.37	100	275	Peak
2483.5	45.55	53.57	54	-8.45	32.36	5.99	46.37	100	275	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2440MHz: Fundamental frequency.

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

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	53.09	61.85	74	-20.91	31.75	5.86	46.37	100	45	Peak
2390	44.61	53.37	54	-9.39	31.75	5.86	46.37	100	45	Average
2480	104.93	113.28	-	-	32.04	5.98	46.37	100	45	Peak
2480	103.29	111.64	-	-	32.04	5.98	46.37	100	45	Average
2483.5	51.95	60.28	74	-22.05	32.05	5.99	46.37	100	45	Peak
2483.5	44.44	52.77	54	-9.56	32.05	5.99	46.37	100	45	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	54.24	62.61	74	-19.76	32.14	5.86	46.37	100	190	Peak
2390	45.12	53.49	54	-8.88	32.14	5.86	46.37	100	190	Average
2480	104.85	112.89	-	-	32.35	5.98	46.37	100	190	Peak
2480	100.43	108.47	-	-	32.35	5.98	46.37	100	190	Average
2483.5	52.77	60.79	74	-21.23	32.36	5.99	46.37	100	190	Peak
2483.5	44.57	52.59	54	-9.43	32.36	5.99	46.37	100	190	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.

BT-LE _2M

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	53.82	62.58	74	-20.18	31.75	5.86	46.37	100	70	Peak
2390	46.16	54.92	54	-7.84	31.75	5.86	46.37	100	70	Average
2402	102.05	110.75	-	-	31.79	5.88	46.37	100	70	Peak
2402	100.75	109.45	-	-	31.79	5.88	46.37	100	70	Average
2483.5	58.78	67.11	74	-15.22	32.05	5.99	46.37	100	70	Peak
2483.5	46.18	54.51	54	-7.82	32.05	5.99	46.37	100	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	54.66	63.03	74	-19.34	32.14	5.86	46.37	100	275	Peak
2390	47.92	56.29	54	-6.08	32.14	5.86	46.37	100	275	Average
2402	100.28	108.61	-	-	32.16	5.88	46.37	100	275	Peak
2402	94.89	103.22	-	-	32.16	5.88	46.37	100	275	Average
2483.5	56.46	64.48	74	-17.54	32.36	5.99	46.37	100	275	Peak
2483.5	46.38	54.4	54	-7.62	32.36	5.99	46.37	100	275	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2402MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	56.47	65.23	74	-17.53	31.75	5.86	46.37	100	70	Peak
2390	43.31	52.07	54	-10.69	31.75	5.86	46.37	100	70	Average
2440	94.73	103.26	-	-	31.91	5.93	46.37	100	70	Peak
2440	94.31	102.84	-	-	31.91	5.93	46.37	100	70	Average
2483.5	60.28	68.61	74	-13.72	32.05	5.99	46.37	100	70	Peak
2483.5	43.88	52.21	54	-10.12	32.05	5.99	46.37	100	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	54.82	63.19	74	-19.18	32.14	5.86	46.37	100	172	Peak
2390	44.16	52.53	54	-9.84	32.14	5.86	46.37	100	172	Average
2440	99.53	107.71	-	-	32.26	5.93	46.37	100	172	Peak
2440	97.08	105.26	-	-	32.26	5.93	46.37	100	172	Average
2483.5	52.71	60.73	74	-21.29	32.36	5.99	46.37	100	172	Peak
2483.5	43.53	51.55	54	-10.47	32.36	5.99	46.37	100	172	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2440MHz: Fundamental frequency.

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

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	51.49	60.25	74	-22.51	31.75	5.86	46.37	100	45	Peak
2390	43.91	52.67	54	-10.09	31.75	5.86	46.37	100	45	Average
2480	105	113.35	-	-	32.04	5.98	46.37	100	45	Peak
2480	102.98	111.33	-	-	32.04	5.98	46.37	100	45	Average
2483.5	51.84	60.17	74	-22.16	32.05	5.99	46.37	100	45	Peak
2483.5	44.83	53.16	54	-9.17	32.05	5.99	46.37	100	45	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	53.32	61.69	74	-20.68	32.14	5.86	46.37	100	360	Peak
2390	44.91	53.28	54	-9.09	32.14	5.86	46.37	100	360	Average
2480	103.93	111.97	-	-	32.35	5.98	46.37	100	360	Peak
2480	98.6	106.64	-	-	32.35	5.98	46.37	100	360	Average
2483.5	52.49	60.51	74	-21.51	32.36	5.99	46.37	100	360	Peak
2483.5	45.49	53.51	54	-8.51	32.36	5.99	46.37	100	360	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.

BT-LE _S2

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	54.7	63.46	74	-19.3	31.75	5.86	46.37	100	70	Peak
2390	45.35	54.11	54	-8.65	31.75	5.86	46.37	100	70	Average
2402	103.94	112.64	-	-	31.79	5.88	46.37	100	70	Peak
2402	98.86	107.56	-	-	31.79	5.88	46.37	100	70	Average
2483.5	57.75	66.08	74	-16.25	32.05	5.99	46.37	100	70	Peak
2483.5	44.1	52.43	54	-9.9	32.05	5.99	46.37	100	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	54.84	63.21	74	-19.16	32.14	5.86	46.37	100	275	Peak
2390	46.46	54.83	54	-7.54	32.14	5.86	46.37	100	275	Average
2402	101.42	109.75	-	-	32.16	5.88	46.37	100	275	Peak
2402	95.45	103.78	-	-	32.16	5.88	46.37	100	275	Average
2483.5	58.76	66.78	74	-15.24	32.36	5.99	46.37	100	275	Peak
2483.5	44.51	52.53	54	-9.49	32.36	5.99	46.37	100	275	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2402MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	51.51	60.27	74	-22.49	31.75	5.86	46.37	100	70	Peak
2390	43.41	52.17	54	-10.59	31.75	5.86	46.37	100	70	Average
2440	96.79	105.32	-	-	31.91	5.93	46.37	100	70	Peak
2440	95.32	103.85	-	-	31.91	5.93	46.37	100	70	Average
2483.5	57.91	66.24	74	-16.09	32.05	5.99	46.37	100	70	Peak
2483.5	44.28	52.61	54	-9.72	32.05	5.99	46.37	100	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	54.03	62.4	74	-19.97	32.14	5.86	46.37	100	172	Peak
2390	44.21	52.58	54	-9.79	32.14	5.86	46.37	100	172	Average
2440	97.55	105.73	-	-	32.26	5.93	46.37	100	172	Peak
2440	96.02	104.2	-	-	32.26	5.93	46.37	100	172	Average
2483.5	52.09	60.11	74	-21.91	32.36	5.99	46.37	100	172	Peak
2483.5	44.17	52.19	54	-9.83	32.36	5.99	46.37	100	172	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2440MHz: Fundamental frequency.

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

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	51.95	60.71	74	-22.05	31.75	5.86	46.37	100	45	Peak
2390	44.7	53.46	54	-9.3	31.75	5.86	46.37	100	45	Average
2480	105.07	113.42	-	-	32.04	5.98	46.37	100	45	Peak
2480	103.19	111.54	-	-	32.04	5.98	46.37	100	45	Average
2483.5	51.18	59.51	74	-22.82	32.05	5.99	46.37	100	45	Peak
2483.5	44.5	52.83	54	-9.5	32.05	5.99	46.37	100	45	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	53.78	62.15	74	-20.22	32.14	5.86	46.37	100	0	Peak
2390	44.9	53.27	54	-9.1	32.14	5.86	46.37	100	0	Average
2480	104.95	112.99	-	-	32.35	5.98	46.37	100	0	Peak
2480	102.06	110.1	-	-	32.35	5.98	46.37	100	0	Average
2483.5	51.36	59.38	74	-22.64	32.36	5.99	46.37	100	0	Peak
2483.5	45.17	53.19	54	-8.83	32.36	5.99	46.37	100	0	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.

BT-LE _S8

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	54.91	63.67	74	-19.09	31.75	5.86	46.37	100	70	Peak
2390	49.03	57.79	54	-4.97	31.75	5.86	46.37	100	70	Average
2402	102.17	110.87	-	-	31.79	5.88	46.37	100	70	Peak
2402	97.19	105.89	-	-	31.79	5.88	46.37	100	70	Average
2483.5	61.57	69.9	74	-12.43	32.05	5.99	46.37	100	70	Peak
2483.5	44.17	52.5	54	-9.83	32.05	5.99	46.37	100	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	57.39	65.76	74	-16.61	32.14	5.86	46.37	100	275	Peak
2390	47.74	56.11	54	-6.26	32.14	5.86	46.37	100	275	Average
2402	100.89	109.22	-	-	32.16	5.88	46.37	100	275	Peak
2402	97.7	106.03	-	-	32.16	5.88	46.37	100	275	Average
2483.5	55.11	63.13	74	-18.89	32.36	5.99	46.37	100	275	Peak
2483.5	44.3	52.32	54	-9.7	32.36	5.99	46.37	100	275	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2402MHz: Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	52.47	61.23	74	-21.53	31.75	5.86	46.37	100	70	Peak
2390	43.83	52.59	54	-10.17	31.75	5.86	46.37	100	70	Average
2440	97.82	106.35	-	-	31.91	5.93	46.37	100	70	Peak
2440	94.85	103.38	-	-	31.91	5.93	46.37	100	70	Average
2483.5	59.6	67.93	74	-14.4	32.05	5.99	46.37	100	70	Peak
2483.5	46.38	54.71	54	-7.62	32.05	5.99	46.37	100	70	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	53.94	62.31	74	-20.06	32.14	5.86	46.37	100	172	Peak
2390	44.34	52.71	54	-9.66	32.14	5.86	46.37	100	172	Average
2440	97.72	105.9	-	-	32.26	5.93	46.37	100	172	Peak
2440	96.17	104.35	-	-	32.26	5.93	46.37	100	172	Average
2483.5	55.04	63.06	74	-18.96	32.36	5.99	46.37	100	172	Peak
2483.5	44.34	52.36	54	-9.66	32.36	5.99	46.37	100	172	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Emission level – Limit value.
2. 2440MHz: Fundamental frequency.