



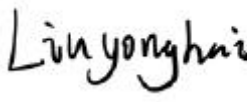
Test Report No.:
FCC2022-0064-RF5

RF Test Report

EUT : SAGA
MODEL : OV1
BRAND NAME : 
APPLICANT : OSOM Products Inc.
Classification Of Test : N/A

CVC Testing Technology Co., Ltd.



Applicant		Name: OSOM Products Inc. Address: 21701 Stevens Creek Blvd #2270, Cupertino, CA 95015, USA	
Manufacturer		Name: OSOM Products Inc. Address: 21701 Stevens Creek Blvd #2270, Cupertino, CA 95015, USA	
Equipment Under Test		Product Name: SAGA Model/Type: OV1 Brand Name:  Serial NO.: N/A Sample NO.:15-1	
Date of Receipt.	2022.09.13	Date of Testing	2022.09.13~2023.02.04
Test Specification		Test Result	
FCC Part 15, Subpart C, Section 15.247 Canada RSS-247 Issue 2 (2017-02) Canada RSS-Gen Issue 5 (2019-03)		PASS	
Evaluation of Test Result		The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC Issue Date: 2023.02.04	
Tested by:  XuZhenFei Name Signature		Reviewed by:  LiuYongHai Name Signature	Approved by:  ChenHuaWen Name Signature
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2022-0064-RF5	Original release	2023.02.04



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C, Canada RSS-247, Canada RSS-Gen			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
FCC 15.207 RSS-Gen 8.8	AC Power Conducted Emission	PASS	See setion 3.1
FCC 15.247(d) FCC 15.209 RSS GEN 8.10 Table 7 RSS GEN 8.9 Table 5	Radiated Emissions	PASS	See setion 3.2
FCC 15.247(d) RSS-247 5.5	Out of band Emission Measurement	PASS	Annex E&F&G of GJW2022-9358-RF5-A1&A2
FCC 15.247(a)(2) RSS-247 5.2(a)	6dB bandwidth	PASS	Annex A of GJW2022-9358-RF5-A1&A2
RSS-Gen 6.7	Occupied Bandwidth Measurement	PASS	Annex B of GJW2022-9358-RF5-A1&A2
FCC 15.247(b) RSS-247 5.4(d)	Conducted Output power	PASS	Annex C of GJW2022-9358-RF5-A1&A2
FCC 15.247(e) RSS-247 5.2(b)	Power Spectral Density	PASS	Annex D of GJW2022-9358-RF5-A1&A2
FCC 15.203 FCC 15.247(b)	Antenna Requirement	PASS	No antenna connector is used



1.1 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Test Equipment	Type/Mode	SERIAL NO.	Equipment No.	Manufacturer	Cal. Due
WIFI & Bluetooth Test System 1					/
Communication Shielded Room 1	4m*3m*3m	CRTDSWКСR44301	VGDS-0699	CRT	2024/04/24
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2023/06/05
Analog Signal Generator	SMB100A	181858	DZ-000238-2	R&S	2023/06/05
Vector Signal Generator	SGT100A	111661	DZ-000238-1	R&S	2023/06/05
RF Radio Frequency Switch	JS0806-2	19H9080187		Tonscend	2023/06/06
Programmable DC Power Supply	E3644A	MY58036222	DZ-000178	KEYSIGHT	2023/04/21
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2023/06/05
Radiation SpuriousTest System					/
3m Semi-Anechoic Chamber	FACT-4	ST08035	WKNA-0024	ETS	2024/12/12
Loop Antenna	FMZB1513	1513-170	EM-000384	SCHWARZBECK	2023-03-04
Spectrum Analyzer	N9010B	MY57470323	DZ-000174	KEYSIGHT	2023/03/02
EMI Test Receiver	N9038A-508	MY532290079	EM-000397	Agilent	2023/03/02
Broadband Antenna	VULB 9163	9163-530	EM-000342	SCHWARZBECK	2023/06/25
Waveguide Horn Antenna	HF906	360306/008	WKNA-0024-8	R&S	2023/03/04
Waveguide Horn Antenna	BBHA9170	00949	DZ-000209-2	SCHWARZBECK	2023/07/31
Preamplifier	BBV 9721	9721-050	DZ-000209-1	SCHWARZBECK	2023/06/05
5G Bandstop Filters	WRCJV12-4900-5100-5900-6100-50EE	1	DZ-000186	WI	2023/12/06
Comprehensive tester	CMW500	159000	DZ-000240-2	R&S	2023/12/06
Conducted emission					/
EMI Test Receiver	ESR3	102394	VG DY-0705	R&S	2023-03-04
LISN	NSLK 8127	8127644	VG DY-0150	SCHWARZBECK	2023-09-04
LISN	NSLK 8128	8128-316	VG DY-0149	SCHWARZBECK	2023-09-04
LISN	NSLK 8129	8129-268	EM-000388	SCHWARZBECK	2023-03-03
Plus Limiter (#1)	VTSD 9561 F-N	00515	VG DY-0808	SCHWARZBECK	2023-03-04
Plus Limiter (#2)	VTSD 9561	9561-F017	VG DY-0152	SCHWARZBECK	2024-09-04
Impedance Stabilization Network	ISN T800	27095	WKNE-0195	TESEQ	2023-09-04
Impedance Stabilization Network	NTFM8158	8158-0092	VG DY-0356	SCHWARZBECK	2023-06-07
ImpedanceStabilizationNetwork	NTFM8131	#184	EM-000498	SCHWARZBECK	2023-06-07
Voltage Probe	TK9420	9420-499	VG DY-0128	SCHWARZBECK	2023-03-04
Power Divider	4901.17.B	22643830	DB-0016	HUBER+SUHNER	2023-09-01
Video Signal Generator	GV-798+	151064920001	VGDS-0215	PROMAX	2023-05-30
Shielding Room(#1)	GP1A	001	WKNF-0001	LEINING	2024-08-08

1.2 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:

No.	ITEM	FREQUENCY	UNCERTAINTY
1	Conducted emissions	9kHz~30MHz	±2.66dB
2	Radiated emissions	9KHz ~ 30MHz	±0.769dB
		30MHz ~ 1GMHz	±0.877dB
		1GHz ~ 18GHz	±0.777dB
		18GHz ~ 40GHz	±1.315dB

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

1.3 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.

Address: No.3,TiantaiyiRoad,KaitaiAvenue,ScienceCity,Guangzhou,China

Post Code: 510663 Tel: 0755-23763060-8805

Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn

<http://www.cvc.org.cn>

2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT	SAGA
BRAND	
TEST MODEL	OV1
ADDITIONAL MODEL	N/A
FCC ID	2AW49200731A
IC ID	26394-200731A
POWER SUPPLY	DC 3.89 from Battery or USB host unit
MODULATION TECHNOLOGY	DSSS, GFSK, OFDM, OFDMA
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA GFSK for BT-LE
OPERATING FREQUENCY	2412MHz ~ 2462MHz for 11b/g/n(HT20)/ax(HE20) 2422MHz ~ 2452MHz for 11n(HT40)/ax(HE40) 2402MHz ~ 2480MHz for BT-LE
NUMBER OF CHANNEL	802.11b/g/n(HT20)/ax(HE20): 11 802.11n(HT40)/ax(HE40): 7 BT-LE: 40
PEAK OUTPUT POWER	WLAN: 24.55dBm (Maximum) BLE: 10.77dBm (Maximum)
ANTENNA TYPE (Note 4)	WLAN: ANT0: PIFA Antenna, with -0.5dBi gain ANT1: PIFA Antenna, with -0.5dBi gain BT-LE: PIFA Antenna, with -0.5dBi gain
HARDWARE REVISION	MP
SOFTWARE REVISION	SQ3A.220705.126
FIX FREQUENCY SOFTWARE	Qualcomm Radio Control Toolkit v4.0
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB line, 1.2Meter, Shielded without ferrite
Note: - For more detailed features description, please refer to the manufacturer's specifications or the User's Manual. - For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report. - Please refer to the EUT photo document for detailed product photo. (Report NO.:FCC2022-0064-E) - Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion. - The EUT have MIMO function, provides 2 completed transmitter and 2 receiver	

2.2 OTHER INFORMATION

Operating frequency of each channel

2.4G WIFI							
802.11b/g/n(HT20)/ax(HE20)							
CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)		
1	2412	5	2432	9	2452		
2	2417	6	2437	10	2457		
3	2422	7	2442	11	2462		
4	2427	8	2447				
802.11n(HT40)/ax(HE40)							
CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)		
3	2422	6	2437	9	2452		
4	2427	7	2442				
5	2432	8	2447				
BT-LE(1 Mbps+2Mbps)							
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

- The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.
- By means of test software which provided by manufacture, the power levels during the tests were set

2.4G WIFI									
802.11b		802.11g		802.11n(HT20)		802.11n(HT40)		802.11ax (HE40)	
FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING	FREQUEN CY(MHZ)	POWER SETTING
2412	15	2412	13	2412	12	2422	12	2422	12
2437	15	2437	13	2437	12	2437	12	2437	12
2462	15	2462	13	2462	12	2452	12	2452	12
BT-LE(1Mbps+2Mbps)									
GFSK									
CHANNEL	POWER SETTING	CHANNEL	POWER SETTING	CHANNEL	POWER SETTING	CHANNEL	POWER SETTING	CHANNEL	POWER SETTING
0	default	19	default	39	default				

2.3 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

EUT CONFIGURE MODE	APPLICABLE TEST ITEMS				DESCRIPTION
	RE<1G	RE≥1G	PLC	APCM	
A	√	√	√	√	2.4G WIFI Function
B	√	√	√	√	BT Function

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

RE≥1G: Radiated Emission above 1GHz
APCM: Antenna Port Conducted Measurement

MODULATION	DATA RATE
802.11b	1Mbps
802.11g	6Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ax HE20(Covered by HT20)	MCS0
802.11ax HE40	MCS0

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.
- ☒ 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	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1	DSSS	DBPSK	6.0

For the test results, only the worst case was shown in test report.

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.
- ☒ 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	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE PARAMETER
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0 Mbit/s
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0 Mbit/s
A	802.11n(HT20)	1 to 11	1, 6, 11	OFDM	BPSK	MCS0
A	802.11n(HT40)	3 to 9	3, 6, 9	OFDM	BPSK	MCS0
A	802.11ax(HE40)	3 to 9	3, 6, 9	OFDMA	BPSK	MCS0
B	BT-LE	0 to 39	0, 19, 39	DTS	GFSK	1.0 Mbit/s
B	BT-LE	0 to 39	0, 19, 39	DTS	GFSK	2.0 Mbit/s

POWER LINE CONDUCTED EMISSION TEST:

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

EUT CONFIGURE MODE	TESTED CONDITION
-	BT LINK + WIFI (2.4G) Link

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, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0 Mbit/s
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0 Mbit/s
A	802.11n(HT20)	1 to 11	1, 6, 11	OFDM	BPSK	MCS0
A	802.11n(HT40)	3 to 9	3, 6, 9	OFDM	BPSK	MCS0
A	802.11ax(HE40)	3 to 9	3, 6, 9	OFDMA	BPSK	MCS0
B	BT-LE	0 to 39	0, 19, 39	DTS	GFSK	1.0 Mbit/s
B	BT-LE	0 to 39	0, 19, 39	DTS	GFSK	2.0 Mbit/s

TEST CONDITION:



APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE (SYSTEM)	TESTED BY
RE<1G	24deg. C, 55%RH	DC 3.89V from battery	LiuShiWei
RE≥1G	24deg. C, 55%RH	DC 3.89V from battery	LiuShiWei
PLC	24deg. C, 55%RH	DC 3.89V from battery	LiuShiWei
APCM	25deg. C, 58%RH	DC 3.89V from battery	LiuShiWei



2.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC PART 15, Subpart C. Section 15.247
KDB 558074 D01 15.247 Meas Guidance v05r02
KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2020
Canada RSS-247 Issue 2 (2017-02)
Canada RSS-Gen Issue 5 (2019-03)

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

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.

Support Equipment							
NO	Description	Brand	Model No.	Serial Number	Supplied by		
N/A	N/A	N/A	N/A	N/A	N/A		
Support Cable							
NO	Description	Quantity (Number)	Length (cm)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

3 TEST TYPES AND RESULTS

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 Limit

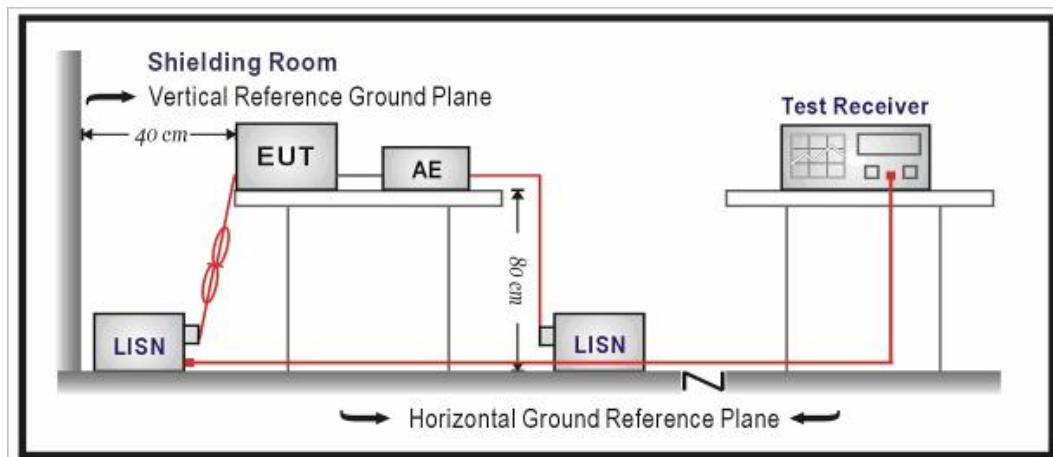
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.
NOTE: 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

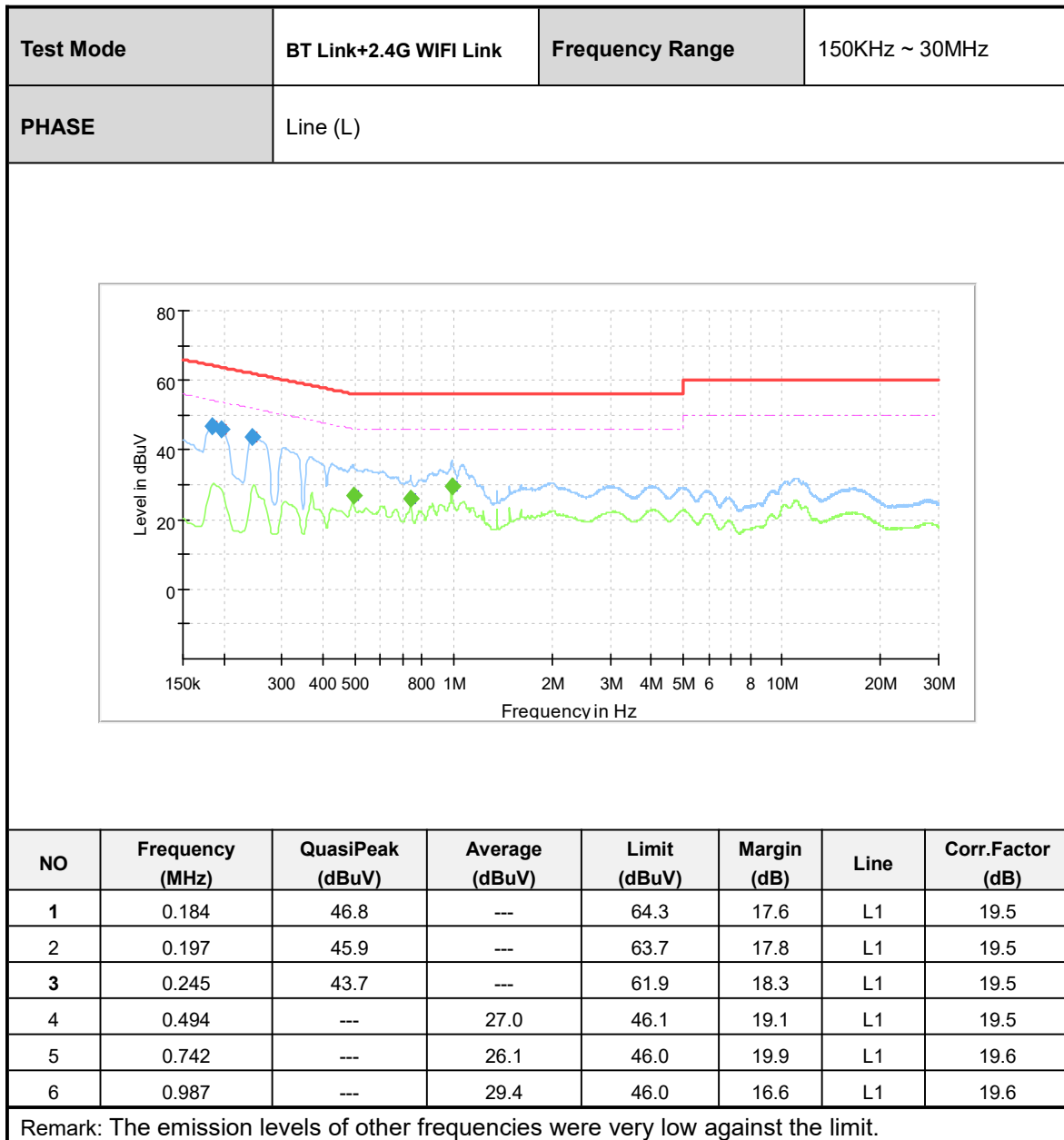
3.1.2 Measurement procedure

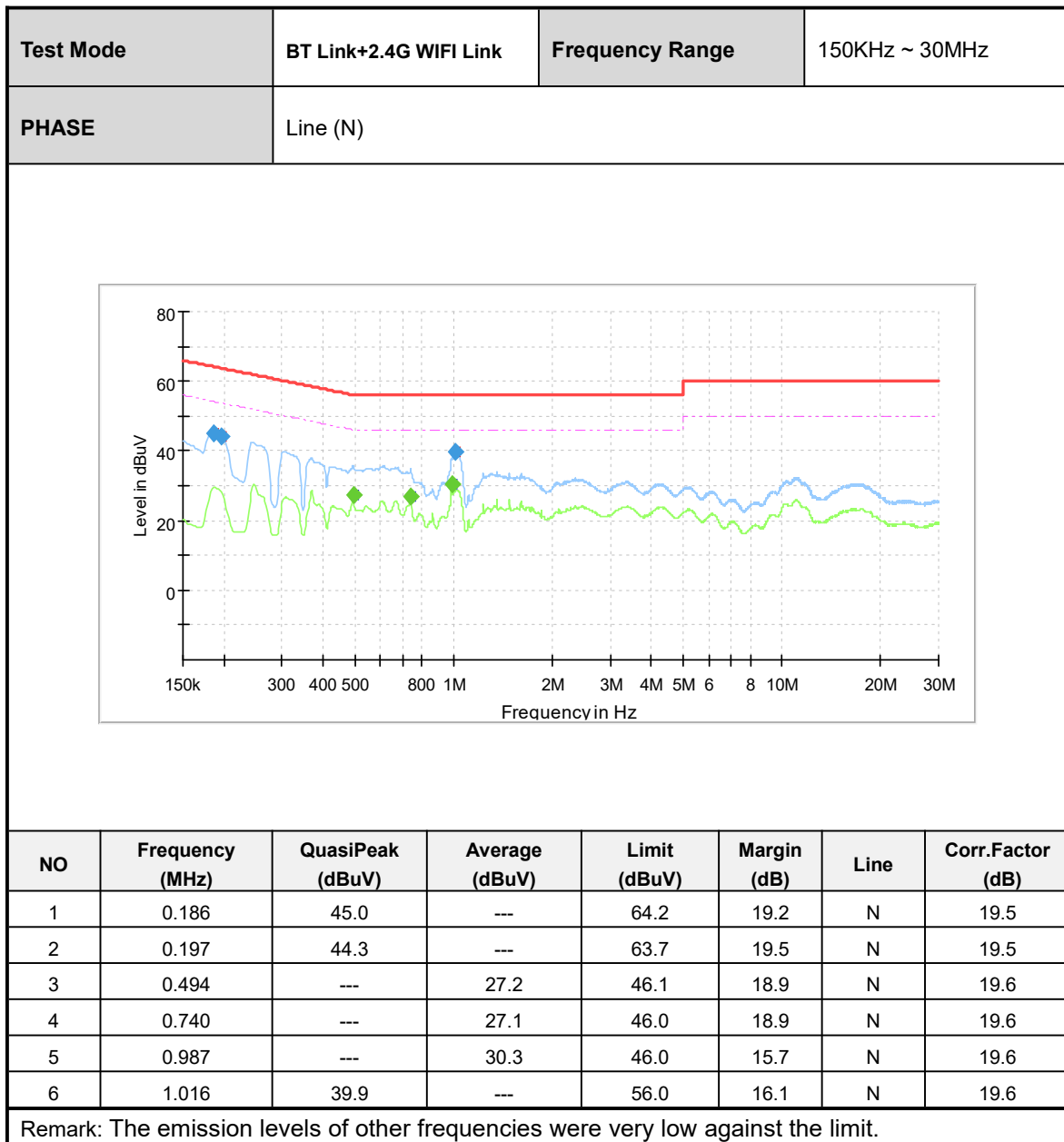
- The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the Test photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. The equipment under test shall be placed on a support of non-metallic material, the height of which shall be 1.5m above the ground,
- The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.1.3 Test setup



3.1.4 Test results





3.2 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.2.1 Limit

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.
NOTE: 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
NOTE: 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 Measurement procedure

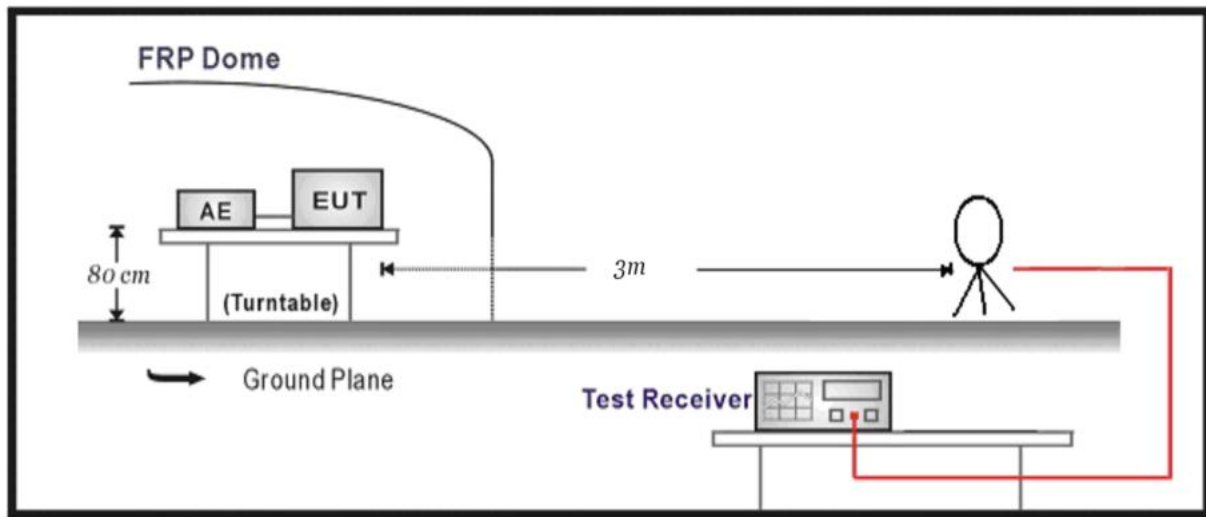
- The EUT was placed on the top of a rotating table 1.5 meters(above 1GHz) and 0.8 meters(below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- For below 1GHz was used bilog antenna, and above 1GHz was used horn 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.
- 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:

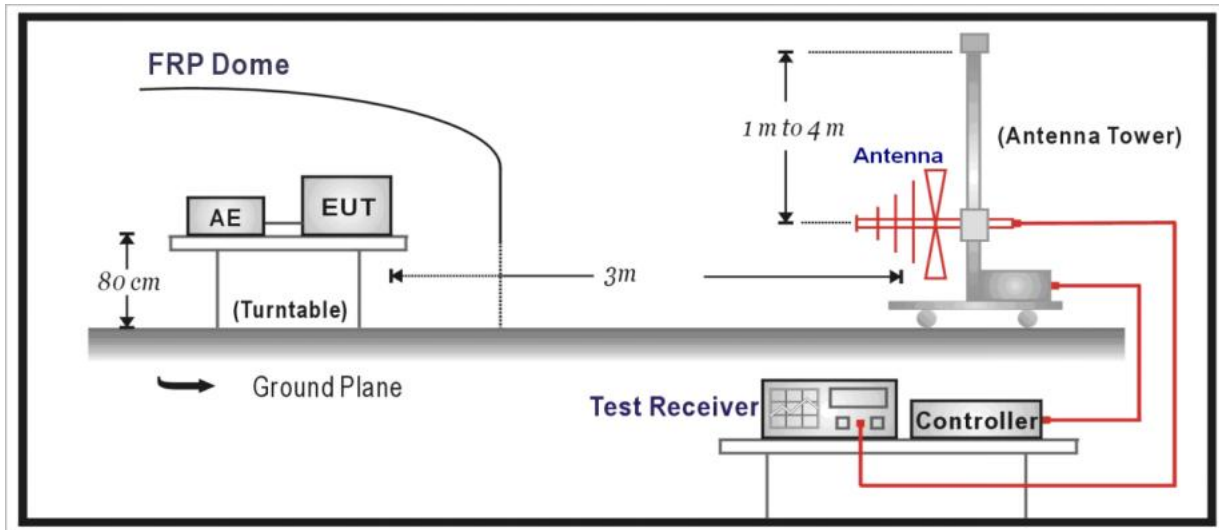
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The testing of the EUT was performed on all 3 orthogonal axes; the worst-case test configuration was reported on the file test setup photo.

3.2.3 Test setup

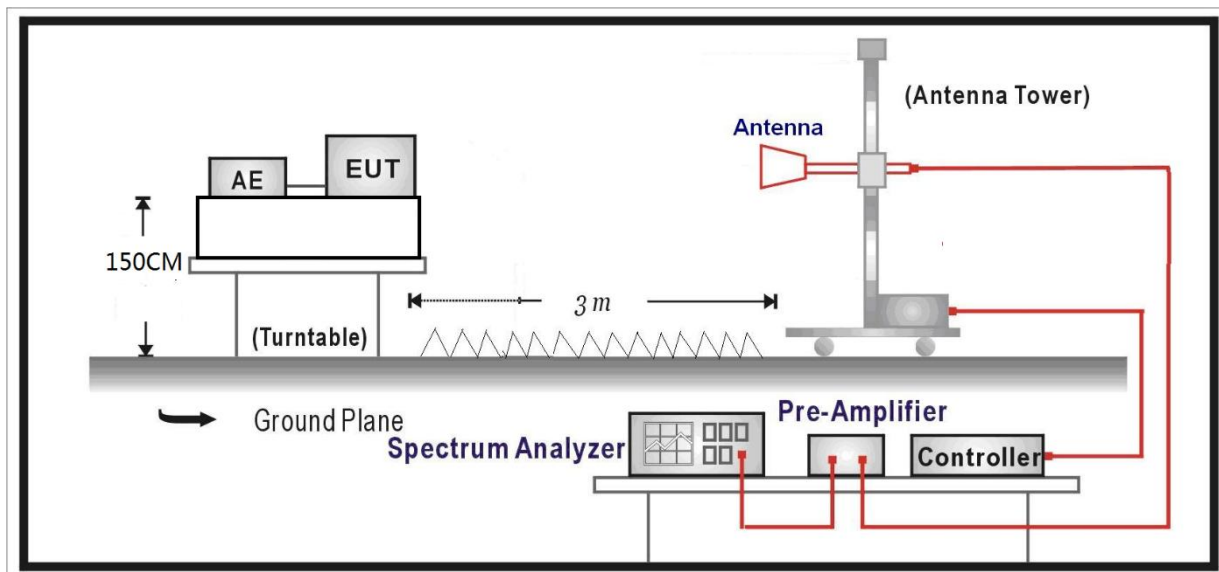
Below 30MHz Test Setup:



Below 1GHz Test Setup:

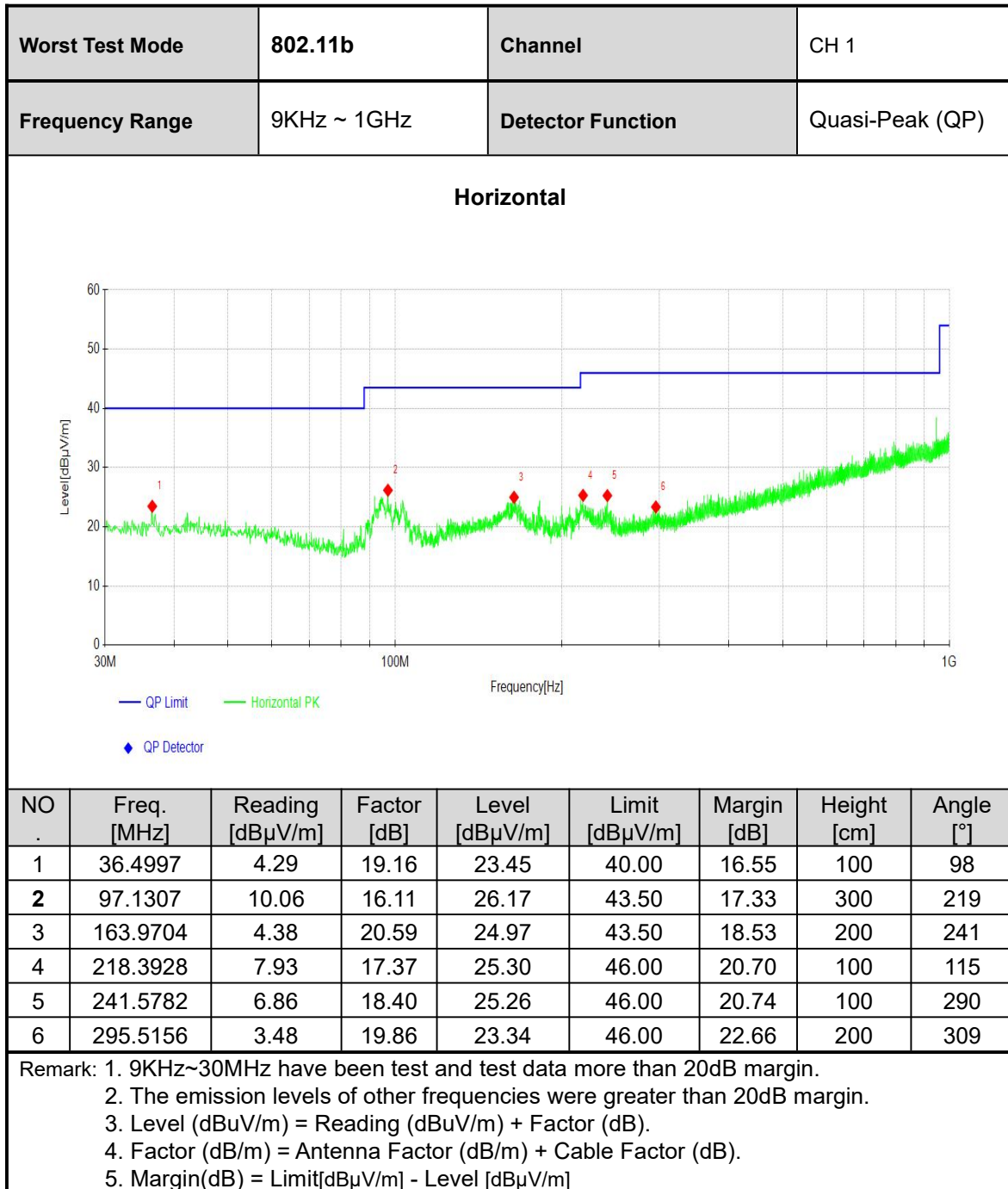


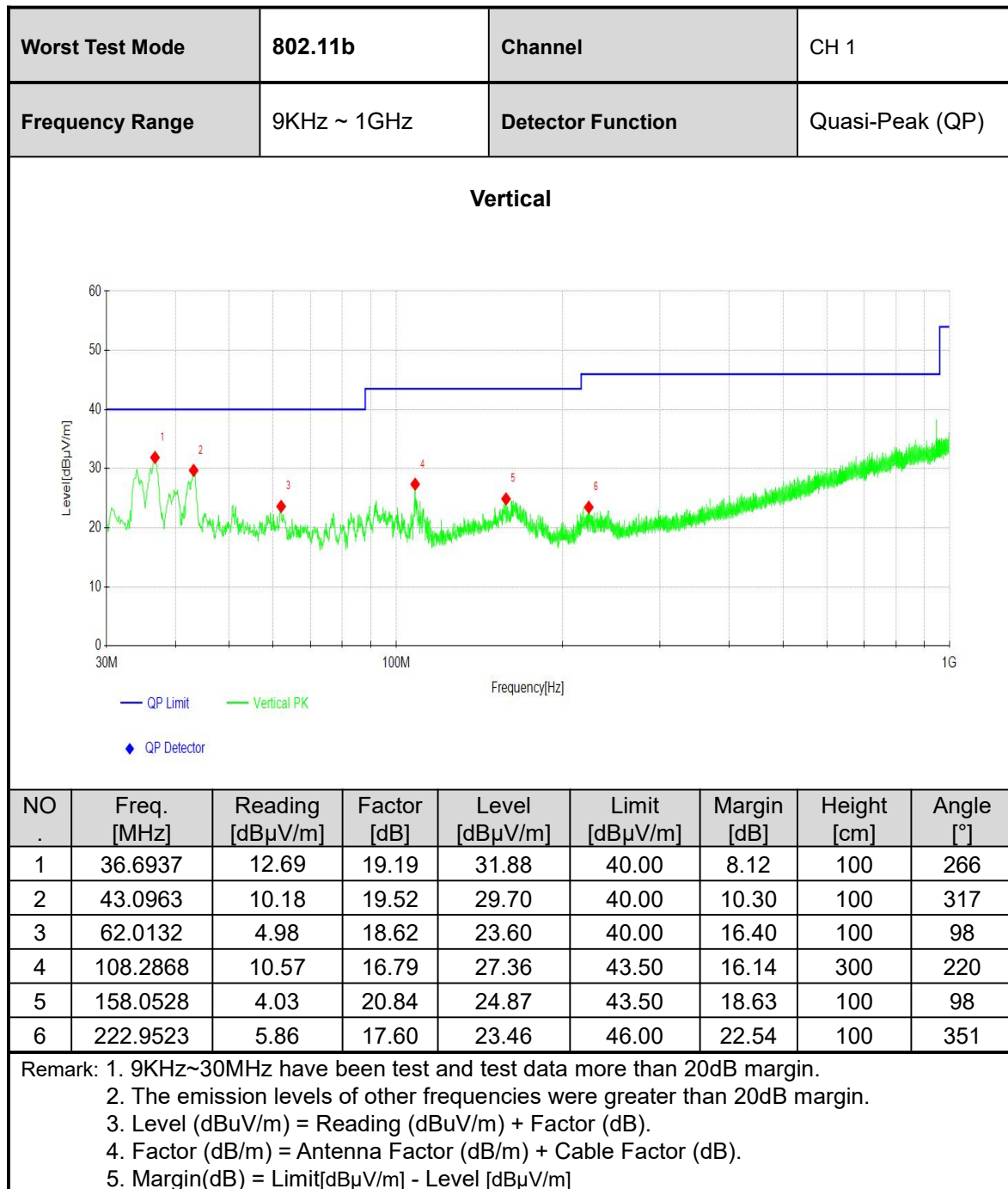
Above 1GHz Test Setup:



3.2.4 Test results

BELOW 1GHz WORST-CASE DATA:







ABOVE 1GHz DATA

Channel		802.11b CH 1			Frequency		2412MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2390.0000	37.45	-0.15	37.30	54.00	16.70	150	8	AV
2	2390.0000	45.99	-0.15	45.84	74.00	28.16	150	359	PK
3	2411.0331	96.66	0.14	96.80			150	359	AV
4	2411.0521	98.70	0.14	98.84			150	359	PK
5	4824.0000	42.65	9.68	52.33	74.00	21.67	150	160	PK
6	4824.0000	34.85	9.68	44.53	54.00	9.47	150	214	AV
7	7236.0000	27.16	12.39	39.55	54.00	14.45	150	34	AV
8	7236.0000	33.20	12.39	45.59	74.00	28.41	150	34	PK
9	9648.0000	27.66	13.13	40.79	74.00	33.21	150	228	PK
10	9648.0000	19.42	13.13	32.55	54.00	21.45	150	359	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2390.0000	37.08	-0.15	36.93	54.00	17.07	150	227	AV
2	2390.0000	44.52	-0.15	44.37	74.00	29.63	150	1	PK
3	2410.9571	92.65	0.14	92.79			150	93	AV
4	2411.0901	94.54	0.14	94.68			150	79	PK
5	4824.0000	44.11	9.68	53.79	74.00	20.21	150	195	PK
6	4824.0000	35.20	9.68	44.88	54.00	9.12	150	357	AV
7	7236.0000	23.18	12.39	35.57	54.00	18.43	150	352	AV
8	7236.0000	30.00	12.39	42.39	74.00	31.61	150	207	PK
9	9648.0000	28.34	13.13	41.47	74.00	32.53	150	35	PK
10	9648.0000	19.64	13.13	32.77	54.00	21.23	150	352	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11b CH 6		Frequency		2437MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4874.0000	43.13	9.70	52.83	74.00	21.17	172	127	PK
2	4874.0000	35.24	9.70	44.94	54.00	9.06	144	335	AV
3	7311.0000	30.51	11.03	41.54	54.00	12.46	350	262	AV
4	7311.0000	34.21	11.03	45.24	74.00	28.76	188	262	PK
5	9748.0000	26.88	13.23	40.11	74.00	33.89	170	24	PK
6	9748.0000	19.37	13.23	32.60	54.00	21.40	193	153	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	4874.0000	43.97	9.70	53.67	74.00	20.33	118	70	PK
2	4874.0000	34.67	9.70	44.37	54.00	9.63	194	111	AV
3	7311.0000	25.76	11.03	36.79	54.00	17.21	194	353	AV
4	7311.0000	31.70	11.03	42.73	74.00	31.27	239	344	PK
5	9748.0000	27.67	13.23	40.90	74.00	33.10	225	190	PK
6	9748.0000	19.59	13.23	32.82	54.00	21.18	364	136	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11b CH 11			Frequency		2462MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2462.8513	102.79	0.64	103.43			363	13	PK
2	2462.8893	100.89	0.65	101.54			306	13	AV
3	2483.5000	39.22	0.46	39.68	54.00	14.32	118	20	AV
4	2483.5000	46.85	0.46	47.31	74.00	26.69	102	7	PK
5	4926.0000	43.13	10.07	53.20	74.00	20.80	365	206	PK
6	4926.0000	34.40	10.07	44.47	54.00	9.53	392	202	AV
7	7386.0000	32.54	9.80	42.34	54.00	11.66	330	271	AV
8	7386.0000	36.28	9.80	46.08	74.00	27.92	166	271	PK
9	9848.0000	27.60	13.24	40.84	74.00	33.16	265	174	PK
10	9848.0000	19.26	13.24	32.50	54.00	21.50	215	129	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2462.8513	98.75	0.64	99.39			258	91	PK
2	2462.8703	96.67	0.64	97.31			221	91	AV
3	2483.5000	45.92	0.46	46.38	54.00	7.62	365	139	PK
4	2483.5000	37.99	0.46	38.45	54.00	15.55	313	218	AV
5	4926.0000	42.22	10.07	52.29	74.00	21.71	389	8	PK
6	4926.0000	34.17	10.07	44.24	54.00	9.76	143	336	AV
7	7386.0000	24.75	9.80	34.55	54.00	19.45	154	352	AV
8	7386.0000	31.37	9.80	41.17	74.00	32.83	151	27	PK
9	9848.0000	27.65	13.24	40.89	74.00	33.11	206	157	PK
10	9848.0000	19.66	13.24	32.90	54.00	21.10	320	111	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11g CH 1			Frequency		2412MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2390.0000	39.96	-0.15	39.81	54.00	14.19	160	26	AV
2	2390.0000	49.11	-0.15	48.96	74.00	25.04	383	348	PK
3	2410.7671	99.44	0.14	99.58			298	1	PK
4	2412.7053	91.35	0.16	91.51			122	8	AV
5	4824.0000	43.12	9.68	52.80	74.00	21.20	357	139	PK
6	4824.0000	35.37	9.68	45.05	54.00	8.95	129	185	AV
7	7236.0000	21.64	12.39	34.03	54.00	19.97	281	341	AV
8	7236.0000	30.31	12.39	42.70	74.00	31.30	131	341	PK
9	9648.0000	27.96	13.13	41.09	74.00	32.91	200	159	PK
10	9648.0000	19.87	13.13	33.00	54.00	21.00	319	208	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2390.0000	38.53	-0.15	38.38	54.00	15.62	237	98	AV
2	2390.0000	46.32	-0.15	46.17	74.00	27.83	307	58	PK
3	2410.6721	95.30	0.13	95.43			273	78	PK
4	2411.1661	87.36	0.14	87.50			284	91	AV
5	4824.0000	42.38	9.68	52.06	74.00	21.94	172	42	PK
6	4824.0000	34.55	9.68	44.23	54.00	9.77	316	254	AV
7	7236.0000	21.69	12.39	34.08	54.00	19.92	372	338	AV
8	7236.0000	28.99	12.39	41.38	74.00	32.62	127	338	PK
9	9648.0000	27.41	13.13	40.54	74.00	33.46	108	338	PK
10	9648.0000	19.32	13.13	32.45	54.00	21.55	244	334	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]									



Channel		802.11g CH 6		Frequency		2437MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4874.0000	44.10	9.70	53.80	74.00	20.20	267	90	PK
2	4874.0000	34.95	9.70	44.65	54.00	9.35	306	98	AV
3	7311.0000	24.05	11.03	35.08	54.00	18.92	201	250	AV
4	7311.0000	31.71	11.03	42.74	74.00	31.26	170	267	PK
5	9748.0000	27.03	13.23	40.26	74.00	33.74	183	192	PK
6	9748.0000	18.85	13.23	32.08	54.00	21.92	259	156	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	4874.0000	42.38	9.70	52.08	74.00	21.92	132	290	PK
2	4874.0000	34.77	9.70	44.47	54.00	9.53	319	225	AV
3	7311.0000	21.60	11.03	32.63	54.00	21.37	361	330	AV
4	7311.0000	29.34	11.03	40.37	74.00	33.63	378	147	PK
5	9748.0000	27.13	13.23	40.36	74.00	33.64	199	189	PK
6	9748.0000	19.28	13.23	32.51	54.00	21.49	307	164	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11g CH 11			Frequency		2462MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2459.6780	99.04	0.56	99.60			398	31	PK
2	2460.7041	90.96	0.58	91.54			266	25	AV
3	2483.5000	37.94	0.46	38.40	54.00	15.60	299	31	AV
4	2483.5000	45.26	0.46	45.72	74.00	28.28	103	31	PK
5	4926.0000	43.50	10.07	53.57	74.00	20.43	113	173	PK
6	4926.0000	34.52	10.07	44.59	54.00	9.41	108	15	AV
7	7386.0000	25.02	9.80	34.82	54.00	19.18	186	0	AV
8	7386.0000	32.17	9.80	41.97	74.00	32.03	293	280	PK
9	9848.0000	26.64	13.24	39.88	74.00	34.12	123	154	PK
10	9848.0000	19.29	13.24	32.53	54.00	21.47	257	154	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2460.7231	100.12	0.58	100.70			123	321	PK
2	2461.2551	92.11	0.60	92.71			103	334	AV
3	2483.5000	38.99	0.46	39.45	54.00	14.55	365	341	AV
4	2483.5000	46.58	0.46	47.04	74.00	26.96	226	327	PK
5	4926.0000	42.15	10.07	52.22	74.00	21.78	387	254	PK
6	4926.0000	34.53	10.07	44.60	54.00	9.40	156	162	AV
7	7386.0000	21.53	9.80	31.33	54.00	22.67	392	344	AV
8	7386.0000	30.07	9.80	39.87	74.00	34.13	113	359	PK
9	9848.0000	26.61	13.24	39.85	74.00	34.15	221	14	PK
10	9848.0000	19.11	13.24	32.35	54.00	21.65	293	223	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									

Channel		802.11n20 CH 1			Frequency		2412MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2390.0000	41.51	-0.15	41.36	54.00	12.64	261	176	AV
2	2390.0000	50.78	-0.15	50.63	74.00	23.37	193	348	PK
3	2403.6034	93.86	0.00	93.86			231	5	AV
4	2404.1164	101.42	0.01	101.43			118	9	PK
5	4824.0000	42.88	9.68	52.56	74.00	21.44	160	15	PK
6	4824.0000	34.71	9.68	44.39	54.00	9.61	366	90	AV
7	7236.0000	20.66	12.39	33.05	54.00	20.95	324	349	AV
8	7236.0000	29.51	12.39	41.90	74.00	32.10	305	76	PK
9	9648.0000	28.07	13.13	41.20	74.00	32.80	172	126	PK
10	9648.0000	19.79	13.13	32.92	54.00	21.08	155	312	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2390.0000	43.92	-0.15	43.77	54.00	10.23	372	346	AV
2	2390.0000	53.16	-0.15	53.01	74.00	20.99	263	346	PK
3	2409.2469	98.99	0.11	99.10			198	333	PK
4	2418.2728	91.37	0.24	91.61			173	320	AV
5	4824.0000	43.48	9.68	53.16	74.00	20.84	106	324	PK
6	4824.0000	34.83	9.68	44.51	54.00	9.49	360	92	AV
7	7236.0000	20.50	12.39	32.89	54.00	21.11	330	48	AV
8	7236.0000	29.60	12.39	41.99	74.00	32.01	148	248	PK
9	9648.0000	27.15	13.13	40.28	74.00	33.72	196	311	PK
10	9648.0000	19.98	13.13	33.11	54.00	20.89	195	61	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11n20 CH 6		Frequency		2437MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4874.0000	42.79	9.70	52.49	74.00	21.51	257	165	PK
2	4874.0000	34.98	9.70	44.68	54.00	9.32	156	49	AV
3	7311.0000	21.95	11.03	32.98	54.00	21.02	278	250	AV
4	7311.0000	29.79	11.03	40.82	74.00	33.18	314	250	PK
5	9748.0000	27.20	13.23	40.43	74.00	33.57	291	13	PK
6	9748.0000	19.55	13.23	32.78	54.00	21.22	280	125	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	4874.0000	43.09	9.70	52.79	74.00	21.21	350	252	PK
2	4874.0000	34.79	9.70	44.49	54.00	9.51	303	227	AV
3	7311.0000	21.23	11.03	32.26	54.00	21.74	305	285	AV
4	7311.0000	29.00	11.03	40.03	74.00	33.97	394	285	PK
5	9748.0000	27.99	13.23	41.22	74.00	32.78	257	177	PK
6	9748.0000	20.34	13.23	33.57	54.00	20.43	395	119	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11n20 CH 11			Frequency		2462MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2469.8630	100.99	0.84	101.83			127	26	PK
2	2470.1860	93.61	0.84	94.45			167	158	AV
3	2483.5000	48.90	0.46	49.36	54.00	4.64	393	145	AV
4	2483.5000	59.43	0.46	59.89	74.00	14.11	333	178	PK
5	4926.0000	43.63	10.07	53.70	74.00	20.30	170	206	PK
6	4926.0000	34.28	10.07	44.35	54.00	9.65	290	202	AV
7	7386.0000	20.83	9.80	30.63	54.00	23.37	254	271	AV
8	7386.0000	29.14	9.80	38.94	74.00	35.06	252	117	PK
9	9848.0000	28.07	13.24	41.31	74.00	32.69	320	275	PK
10	9848.0000	19.23	13.24	32.47	54.00	21.53	375	284	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2456.2956	98.24	0.56	98.80			280	322	PK
2	2456.4096	90.87	0.56	91.43			265	335	AV
3	2483.5000	46.20	0.46	46.66	54.00	7.34	338	210	AV
4	2483.5000	56.17	0.46	56.63	74.00	17.37	393	210	PK
5	4926.0000	42.25	10.07	52.32	74.00	21.68	324	46	PK
6	4926.0000	34.34	10.07	44.41	54.00	9.59	323	50	AV
7	7386.0000	21.24	9.80	31.04	54.00	22.96	135	177	AV
8	7386.0000	29.01	9.80	38.81	74.00	35.19	286	248	PK
9	9848.0000	27.05	13.24	40.29	74.00	33.71	153	94	PK
10	9848.0000	19.79	13.24	33.03	54.00	20.97	262	60	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11n40 CH 3			Frequency		2422MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2390.0000	46.81	-0.15	46.66	74.00	27.34	148	341	PK
2	2390.0000	37.77	-0.15	37.62	54.00	16.38	114	49	AV
3	2429.7120	102.46	0.35	102.81			204	29	PK
4	2430.1870	95.31	0.36	95.67			178	22	AV
5	4844.0000	43.06	9.94	53.00	74.00	21.00	295	360	PK
6	4844.0000	34.50	9.94	44.44	54.00	9.56	375	56	AV
7	7266.0000	21.22	11.99	33.21	54.00	20.79	309	146	AV
8	7266.0000	28.73	11.99	40.72	74.00	33.28	131	8	PK
9	9688.0000	28.38	13.15	41.53	74.00	32.47	144	108	PK
10	9688.0000	19.65	13.15	32.80	54.00	21.20	209	96	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2390.0000	37.76	-0.15	37.61	54.00	16.39	208	25	AV
2	2390.0000	46.59	-0.15	46.44	74.00	27.56	172	198	PK
3	2426.3866	99.17	0.32	99.49			106	270	PK
4	2426.9187	91.30	0.33	91.63			208	323	AV
5	4844.0000	42.78	9.94	52.72	74.00	21.28	374	262	PK
6	4844.0000	34.37	9.94	44.31	54.00	9.69	367	258	AV
7	7266.0000	20.27	11.99	32.26	54.00	21.74	146	1	AV
8	7266.0000	28.11	11.99	40.10	74.00	33.90	142	44	PK
9	9688.0000	27.47	13.15	40.62	74.00	33.38	212	268	PK
10	9688.0000	19.82	13.15	32.97	54.00	21.03	210	239	AV
11	4844.0000	42.78	9.94	52.72	74.00	21.28	370	262	PK
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11n40 CH 6		Frequency		2437MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4874.0000	42.99	9.70	52.69	74.00	21.31	249	11	PK
2	4874.0000	34.36	9.70	44.06	54.00	9.94	376	65	AV
3	7311.0000	21.45	11.03	32.48	54.00	21.52	266	132	AV
4	7311.0000	29.87	11.03	40.90	74.00	33.10	207	136	PK
5	9748.0000	27.25	13.23	40.48	74.00	33.52	121	120	PK
6	9748.0000	20.32	13.23	33.55	54.00	20.45	289	328	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	4874.0000	42.86	9.70	52.56	74.00	21.44	109	199	PK
2	4874.0000	34.50	9.70	44.20	54.00	9.80	172	241	AV
3	7311.0000	20.91	11.03	31.94	54.00	22.06	178	324	AV
4	7311.0000	29.36	11.03	40.39	74.00	33.61	275	359	PK
5	9748.0000	27.80	13.23	41.03	74.00	32.97	227	61	PK
6	9748.0000	19.46	13.23	32.69	54.00	21.31	233	359	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11n40 CH 9			Frequency		2452MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2443.6594	101.73	0.49	102.22			324	22	PK
2	2443.6594	94.33	0.49	94.82			342	22	AV
3	2483.5000	38.45	0.46	38.91	54.00	15.09	368	8	AV
4	2483.5000	46.23	0.46	46.69	74.00	27.31	205	0	PK
5	4904.0000	43.92	10.10	54.02	74.00	19.98	210	182	PK
6	4904.0000	34.70	10.10	44.80	54.00	9.20	247	341	AV
7	7356.0000	21.82	10.31	32.13	54.00	21.87	396	20	AV
8	7356.0000	29.46	10.31	39.77	74.00	34.23	223	291	PK
9	9808.0000	26.85	13.20	40.05	74.00	33.95	271	145	PK
10	9808.0000	19.20	13.20	32.40	54.00	21.60	367	182	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2446.8897	89.84	0.53	90.37			207	206	AV
2	2450.5571	97.74	0.57	98.31			275	339	PK
3	2483.5000	44.97	0.46	45.43	54.00	8.57	302	358	PK
4	2483.5000	37.32	0.46	37.78	54.00	16.22	107	38	AV
5	4904.0000	34.51	10.10	44.61	54.00	9.39	132	54	AV
6	4904.0000	42.98	10.10	53.08	74.00	20.92	258	308	PK
7	7356.0000	29.24	10.31	39.55	74.00	34.45	193	86	PK
8	7356.0000	20.76	10.31	31.07	54.00	22.93	114	207	AV
9	9808.0000	19.25	13.20	32.45	54.00	21.55	206	140	AV
10	9808.0000	27.24	13.20	40.44	74.00	33.56	193	49	PK
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11ax40 CH 3			Frequency		2422MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2390.0000	44.51	-0.15	44.36	54.00	9.64	182	15	AV
2	2390.0000	51.05	-0.15	50.90	74.00	23.10	147	8	PK
3	2421.0091	99.89	0.27	100.16			295	165	PK
4	2421.2941	90.56	0.27	90.83			254	47	RMS
5	4844.0000	43.24	9.94	53.18	74.00	20.82	241	333	PK
6	4844.0000	35.17	9.94	45.11	54.00	8.89	164	333	AV
7	7266.0000	20.59	11.99	32.58	54.00	21.42	127	72	AV
8	7266.0000	27.62	11.99	39.61	74.00	34.39	200	72	PK
9	9688.0000	27.20	13.15	40.35	74.00	33.65	296	39	PK
10	9688.0000	20.35	13.15	33.50	54.00	20.50	191	141	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2390.0000	44.51	-0.15	44.36	54.00	9.64	279	15	AV
2	2390.0000	51.05	-0.15	50.90	74.00	23.10	252	8	PK
3	2421.0091	99.89	0.27	100.16			239	165	PK
4	2421.2941	90.56	0.27	90.83			270	47	RMS
5	4844.0000	42.93	9.94	52.87	74.00	21.13	163	317	PK
6	4844.0000	35.78	9.94	45.72	54.00	8.28	187	234	AV
7	7266.0000	19.94	11.99	31.93	54.00	22.07	265	248	AV
8	7266.0000	27.58	11.99	39.57	74.00	34.43	162	232	PK
9	9688.0000	27.04	13.15	40.19	74.00	33.81	285	199	PK
10	9688.0000	19.57	13.15	32.72	54.00	21.28	127	199	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11ax40 CH 6			Frequency		2437MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4874.0000	44.76	9.70	54.46	74.00	19.54	165	194	PK
2	4874.0000	35.28	9.70	44.98	54.00	9.02	148	194	AV
3	7311.0000	20.70	11.03	31.73	54.00	22.27	174	333	AV
4	7311.0000	29.17	11.03	40.20	74.00	33.80	128	359	PK
5	9748.0000	27.58	13.23	40.81	74.00	33.19	292	109	PK
6	9748.0000	19.57	13.23	32.80	54.00	21.20	271	113	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	4874.0000	42.84	9.70	52.54	74.00	21.46	218	202	PK
2	4874.0000	34.95	9.70	44.65	54.00	9.35	208	264	AV
3	7311.0000	21.07	11.03	32.10	54.00	21.90	221	337	AV
4	7311.0000	29.05	11.03	40.08	74.00	33.92	194	153	PK
5	9748.0000	26.73	13.23	39.96	74.00	34.04	173	345	PK
6	9748.0000	19.73	13.23	32.96	54.00	21.04	148	149	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		802.11ax40 CH 9			Frequency		2452MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2450.8991	98.91	0.57	99.48			168	31	PK
2	2451.1841	89.56	0.57	90.13			121	19	RMS
3	2483.5000	40.25	0.46	40.71	54.00	13.29	128	65	AV
4	2483.5000	48.00	0.46	48.46	74.00	25.54	214	65	PK
5	4904.0000	42.12	10.10	52.22	74.00	21.78	156	274	PK
6	4904.0000	34.31	10.10	44.41	54.00	9.59	211	138	AV
7	7356.0000	21.50	10.31	31.81	54.00	22.19	172	181	AV
8	7356.0000	30.11	10.31	40.42	74.00	33.58	265	181	PK
9	9808.0000	27.85	13.20	41.05	74.00	32.95	145	78	PK
10	9808.0000	19.14	13.20	32.34	54.00	21.66	198	152	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2448.6949	89.28	0.55	89.83			246	335	RMS
2	2450.3480	98.68	0.57	99.25			278	341	PK
3	2483.5000	39.78	0.46	40.24	54.00	13.76	133	249	AV
4	2483.5000	47.70	0.46	48.16	74.00	25.84	247	236	PK
5	4904.0000	43.41	10.10	53.51	74.00	20.49	275	350	PK
6	4904.0000	34.74	10.10	44.84	54.00	9.16	233	223	AV
7	7356.0000	21.21	10.31	31.52	54.00	22.48	286	125	AV
8	7356.0000	29.31	10.31	39.62	74.00	34.38	127	347	PK
9	9808.0000	27.66	13.20	40.86	74.00	33.14	232	92	PK
10	9808.0000	19.72	13.20	32.92	54.00	21.08	286	23	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



BT-LE (1Mbps)

Channel		BT-LE CH0			Frequency		2402MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2390.0000	36.79	-0.15	36.64	54.00	17.36	142	1	AV
2	2390.0000	44.70	-0.15	44.55	74.00	29.45	324	92	PK
3	2401.9502	96.22	-0.03	96.19			273	1	AV
4	2402.2352	96.89	-0.03	96.86			398	3	PK
5	4804.0000	42.92	9.29	52.21	74.00	21.79	149	232	PK
6	4804.0000	34.75	9.29	44.04	54.00	9.96	147	99	AV
7	7206.0000	20.45	12.81	33.26	54.00	20.74	129	216	AV
8	7206.0000	28.03	12.81	40.84	74.00	33.16	151	157	PK
9	9608.0000	27.05	13.32	40.37	74.00	33.63	330	103	PK
10	9608.0000	19.53	13.32	32.85	54.00	21.15	297	77	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2390.0000	37.00	-0.15	36.85	54.00	17.15	250	55	AV
2	2390.0000	44.85	-0.15	44.70	74.00	29.30	203	115	PK
3	2402.0262	93.98	-0.03	93.95			153	82	AV
4	2402.2732	94.82	-0.03	94.79			104	75	PK
5	4804.0000	35.09	9.29	44.38	54.00	9.62	128	308	AV
6	4804.0000	42.92	9.29	52.21	74.00	21.79	209	120	PK
7	7206.0000	28.88	12.81	41.69	74.00	32.31	167	207	PK
8	7206.0000	20.31	12.81	33.12	54.00	20.88	101	359	AV
9	9608.0000	19.70	13.32	33.02	54.00	20.98	367	261	AV
10	9608.0000	27.50	13.32	40.82	74.00	33.18	247	111	PK
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		BT-LE CH19		Frequency		2440MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4880.0000	42.95	9.80	52.75	74.00	21.25	335	324	PK
2	4880.0000	35.17	9.80	44.97	54.00	9.03	324	250	AV
3	7320.0000	21.25	11.01	32.26	54.00	21.74	322	276	AV
4	7320.0000	29.23	11.01	40.24	74.00	33.76	104	110	PK
5	9760.0000	27.22	13.25	40.47	74.00	33.53	200	172	PK
6	9760.0000	19.01	13.25	32.26	54.00	21.74	284	77	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	4880.0000	42.51	9.80	52.31	74.00	21.69	157	73	PK
2	4880.0000	34.92	9.80	44.72	54.00	9.28	135	281	AV
3	7320.0000	20.63	11.01	31.64	54.00	22.36	213	320	AV
4	7320.0000	28.65	11.01	39.66	74.00	34.34	203	133	PK
5	9760.0000	28.30	13.25	41.55	74.00	32.45	175	308	PK
6	9760.0000	19.31	13.25	32.56	54.00	21.44	259	359	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		BT-LE CH39			Frequency		2480MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2479.7630	98.63	0.33	98.96			180	172	PK
2	2479.9530	98.04	0.32	98.36			400	172	AV
3	2483.5000	37.14	0.46	37.60	54.00	16.40	325	278	AV
4	2483.5000	45.10	0.46	45.56	74.00	28.44	193	59	PK
5	4960.0000	43.06	10.69	53.75	74.00	20.25	221	196	PK
6	4960.0000	34.53	10.69	45.22	54.00	8.78	305	221	AV
7	7440.0000	21.45	9.75	31.20	54.00	22.80	208	297	AV
8	7440.0000	29.52	9.75	39.27	74.00	34.73	164	351	PK
9	9920.0000	27.37	13.83	41.20	74.00	32.80	347	301	PK
10	9920.0000	19.11	13.83	32.94	54.00	21.06	167	106	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2479.7250	94.79	0.33	95.12			305	222	PK
2	2479.9530	94.19	0.32	94.51			227	222	AV
3	2483.5000	37.02	0.46	37.48	54.00	16.52	218	208	AV
4	2483.5000	45.36	0.46	45.82	74.00	28.18	201	321	PK
5	4960.0000	34.35	10.69	45.04	54.00	8.96	107	90	AV
6	4960.0000	43.57	10.69	54.26	74.00	19.74	355	28	PK
7	7440.0000	28.52	9.75	38.27	74.00	35.73	345	70	PK
8	7440.0000	22.09	9.75	31.84	54.00	22.16	327	220	AV
9	9920.0000	18.93	13.83	32.76	54.00	21.24	354	332	AV
10	9920.0000	27.09	13.83	40.92	74.00	33.08	230	86	PK
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



BT-LE (2Mbps)

Channel		BT-LE CH0			Frequency		2402MHz		
Frequency Range		Above 1G			Detector Function		PK/AV		
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2390.0000	36.31	-0.15	36.16	54.00	17.84	318	351	AV
2	2390.0000	45.14	-0.15	44.99	74.00	29.01	237	278	PK
3	2402.0072	94.78	-0.03	94.75			387	360	AV
4	2402.5773	96.26	-0.02	96.24			122	19	PK
5	4880.0000	34.84	9.80	44.64	54.00	9.36	372	140	AV
6	4880.0000	42.84	9.80	52.64	74.00	21.36	244	349	PK
7	7320.0000	29.55	11.01	40.56	74.00	33.44	182	319	PK
8	7320.0000	20.87	11.01	31.88	54.00	22.12	314	319	AV
9	9760.0000	19.76	13.25	33.01	54.00	20.99	284	1	AV
10	9760.0000	28.18	13.25	41.43	74.00	32.57	337	111	PK
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2390.0000	36.45	-0.15	36.30	54.00	17.70	316	54	AV
2	2390.0000	44.83	-0.15	44.68	74.00	29.32	269	87	PK
3	2402.0642	91.24	-0.03	91.21			180	87	AV
4	2402.4252	92.97	-0.02	92.95			253	80	PK
5	4804.0000	34.82	9.29	44.11	54.00	9.89	139	216	AV
6	4804.0000	42.22	9.29	51.51	74.00	22.49	266	174	PK
7	7206.0000	27.93	12.81	40.74	74.00	33.26	304	204	PK
8	7206.0000	20.19	12.81	33.00	54.00	21.00	319	2	AV
9	9608.0000	19.65	13.32	32.97	54.00	21.03	163	70	AV
10	9608.0000	27.86	13.32	41.18	74.00	32.82	129	29	PK
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		BT-LE CH19		Frequency		2440MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	4880.0000	42.80	9.80	52.60	74.00	21.40	172	175	PK
2	4880.0000	34.92	9.80	44.72	54.00	9.28	232	142	AV
3	7320.0000	21.06	11.01	32.07	54.00	21.93	176	118	AV
4	7320.0000	28.88	11.01	39.89	74.00	34.11	390	118	PK
5	9760.0000	27.44	13.25	40.69	74.00	33.31	295	222	PK
6	9760.0000	19.64	13.25	32.89	54.00	21.11	270	268	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	4880.0000	35.00	9.80	44.80	54.00	9.20	338	207	AV
2	4880.0000	44.47	9.80	54.27	74.00	19.73	217	211	PK
3	7320.0000	29.17	11.01	40.18	74.00	33.82	230	287	PK
4	7320.0000	20.84	11.01	31.85	54.00	22.15	243	320	AV
5	9760.0000	18.88	13.25	32.13	54.00	21.87	195	333	AV
6	9760.0000	28.58	13.25	41.83	74.00	32.17	131	136	PK
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBuV/m] - Level [dBuV/m]									



Channel		BT-LE CH39		Frequency		2480MHz			
Frequency Range		Above 1G		Detector Function		PK/AV			
Horizontal									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector
1	2479.4970	98.67	0.34	99.01			294	174	PK
2	2479.9340	97.13	0.32	97.45			349	167	AV
3	2483.5000	38.72	0.46	39.18	54.00	14.82	112	167	AV
4	2483.5000	46.18	0.46	46.64	74.00	27.36	156	167	PK
5	4960.0000	43.16	10.69	53.85	74.00	20.15	151	359	PK
6	4960.0000	34.30	10.69	44.99	54.00	9.01	237	103	AV
7	7440.0000	21.86	9.75	31.61	54.00	22.39	167	98	AV
8	7440.0000	29.49	9.75	39.24	74.00	34.76	133	174	PK
9	9920.0000	27.47	13.83	41.30	74.00	32.70	139	329	PK
10	9920.0000	18.90	13.83	32.73	54.00	21.27	132	266	AV
Vertical									
NO	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Remark
1	2479.5160	94.79	0.34	95.13			231	214	PK
2	2479.9530	92.90	0.32	93.22			394	221	AV
3	2483.5000	37.83	0.46	38.29	54.00	15.71	113	101	AV
4	2483.5000	45.28	0.46	45.74	74.00	28.26	308	359	PK
5	4960.0000	42.82	10.69	53.51	74.00	20.49	223	6	PK
6	4960.0000	34.28	10.69	44.97	54.00	9.03	261	6	AV
7	7440.0000	21.30	9.75	31.05	54.00	22.95	234	308	AV
8	7440.0000	29.09	9.75	38.84	74.00	35.16	359	12	PK
9	9920.0000	27.41	13.83	41.24	74.00	32.76	296	8	PK
10	9920.0000	19.10	13.83	32.93	54.00	21.07	326	262	AV
Remark: 1. The emission levels of other frequencies were greater than 20dB margin. 2. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB). 3. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB). 4. Margin(dB) = Limit[dBμV/m] - Level [dBμV/m]									

3.3 6dB BANDWIDTH MEASUREMENT

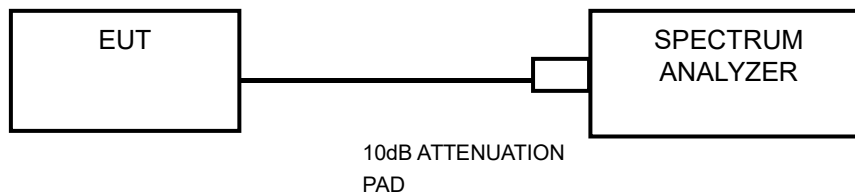
3.3.1 Limits

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

3.3.2 Measurement procedure

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

3.3.3 Test setup



3.4 CONDUCTED OUTPUT POWER

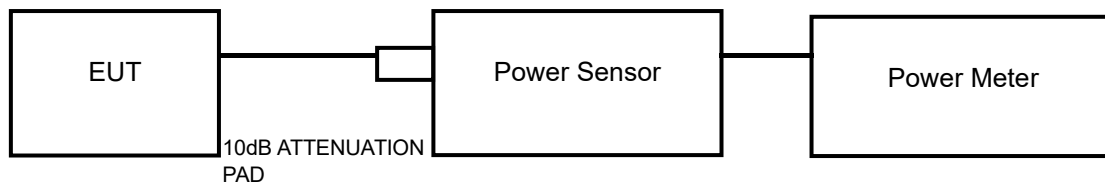
3.4.1 Limits

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

3.4.2 Measurement procedure

- 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 and set the detector to PEAK. Record the power level.
- An average power sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor and set the detector to AVERAGE. Record the power level.

3.4.3 Test setup



3.5 POWER SPECTRAL DENSITY MEASUREMENT

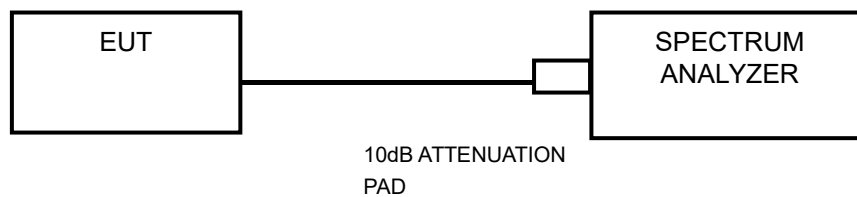
3.5.1 Limits

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

3.5.2 Measurement procedure

- Set instrument center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set RBW to: 3KHz
- Set VBW $\geq 3 \times$ RBW.
- Detector = peak
- Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW.
- Sweep time = auto couple.
- Use the peak marker function to determine the maximum amplitude level.

3.5.3 Test setup



3.6 OUT OF BAND EMISSION MEASUREMENT

3.6.1 Limits

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

3.6.2 Measurement procedure

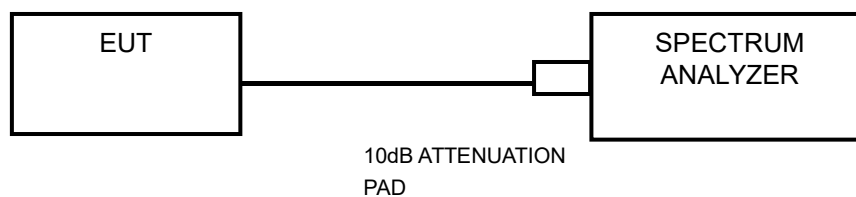
Measurement Procedure -Reference Level

- Set the RBW = 100 kHz.
- Set the VBW $\geq$ 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum power level in any 100 kHzband segment within the fundamental EBW.

Measurement Procedure –Unwanted Emission Level

- Set RBW = 100 kHz.
- Set VBW $\geq$ 300 kHz.
- Set span to encompass the spectrum to be examined
- Detector = peak.
- Trace Mode = max hold.
- Sweep = auto couple.

3.6.3 Test setup



3.7 OCCUPIED BANDWIDTH MEASUREMENT

3.7.1 Measurement procedure

The transmitter antenna output was connected to the spectrum analyzer through an attenuator. The resolution bandwidth shall be set to the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth.

below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

3.7.2 TEST SETUP





4 PHOTOGRAPHS OF TEST SETUP

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

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5 PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos report and Internal Photos).



Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

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CVC Testing Technology Co., Ltd.

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Post Code: 510663

Tel: 020-32293888

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