



FCC RADIO TEST REPORT

Applicant : ELO TOUCH SOLUTIONS, INC.
Address : 670 N. McCarthy Blvd., Suite 100 Milpitas, CA
: 95035 USA
Equipment : Touch All-in-One Computer
Model No. : ESY15I1E-C
Trade Name : Elo or **elo**
FCC ID : RBWESY15I1EC

I HEREBY CERTIFY THAT :

The sample was received on Jun. 27, 2024 and the testing was completed on Aug. 24, 2024 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory





CONTENTS

1. Summary of Test Procedure and Test Results	5
1.1 Applicable Standards	5
2. Test Configuration of Equipment under Test.....	6
2.1 Feature of Equipment under Test.....	6
2.2 Carrier Frequency of Channels.....	8
2.3 Test Mode and Test Software.....	9
2.4 Description of Test System.....	11
2.5 General Information of Test.....	12
2.6 Measurement Uncertainty	13
3. Test Equipment and Ancillaries Used for Tests.....	14
4. Antenna Requirements.....	16
4.1 Standard Applicable	16
4.2 Antenna Construction and Directional Gain	16
5. Test of AC Power Line Conducted Emission	17
5.1 Test Limit	17
5.2 Test Procedures	17
5.3 Typical Test Setup	18
5.4 Test Result and Data.....	19
5.5 Test Photographs	21
6. Test of Spurious Emission (Radiated)	22
6.1 Test Limit	22
6.2 Test Procedures	23
6.3 Typical Test Setup	24
6.4 Test Result and Data (9kHz ~ 30MHz).....	26
6.5 Test Result and Data (30MHz ~ 1GHz)	26
6.6 Test Result and Data (1GHz ~ 25GHz).....	28
6.7 Restricted Bands of Operation	40
6.8 Test Photographs (30MHz ~ 1GHz)	41
6.9 Test Photographs (1GHz ~ 25GHz)	42
7. Test of Spurious Emission (Conducted).....	44
7.1 Test Limit	44
7.2 Test Procedure	44
7.3 Test Setup Layout	44
7.4 Test Result and Data.....	44
8. On Time, Duty Cycle and Measurement methods	49
8.1 Test Limit	49
8.2 Test Procedure	49
8.3 Test Setup Layout	49
8.4 Test Result and Data.....	49
9. 6dB Bandwidth Measurement Data.....	51
9.1 Test Limit	51



9.2	Test Procedures	51
9.3	Test Setup Layout	51
9.4	Test Result and Data.....	51
10.	Maximum Average Output Power.....	53
10.1	Test Limit	53
10.2	Test Procedures	53
10.3	Test Setup Layout	53
10.4	Test Result and Data.....	54
11.	Power Spectral Density	55
11.1	Test Limit	55
11.2	Test Procedures	55
11.3	Test Setup Layout	55
11.4	Test Result and Data.....	56
12.	Radio Frequency Exposure	58
12.1	Applicable Standards	58
12.2	EUT Specification.....	59
12.3	Result	59



History of this test report



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

ANSI C63.10:2013

FCC Rules and Regulations Part 15 Subpart C §15.247

FCC Rule	Description of Test	Result
15.203	. Antenna Requirement	PASS
15.207	. AC Power Line Conducted Emission	PASS
15.209 15.205	. Radiated Spurious Emission	PASS
15.247(d)	. Conducted Spurious Emission	PASS
15.247(a)(2)	. 6dB Bandwidth	PASS
15.247(b)	. Maximum Output Power	PASS
15.247(e)	. Power Spectral Density	PASS
2.1091	. Radio Frequency Exposure	PASS

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement, measurement uncertainty evaluation is not considered.



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Operation Frequency Range	BT / BLE: 2400-2483.5MHz WLAN: 802.11b/g/n/ax: 2400-2483.5MHz 5GHz: 802.11a/n/ac/ax: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5875MHz 6GHz: 802.11a/ax: 5925MHz~6425MHz, 6425MHz~6525MHz 6525MHz~6875MHz, 6875MHz~7125MHz
Center Frequency Range	BT / BLE: 2402MHz-2480MHz WLAN: 802.11b/g/n/ax: 2412MHz-2462MHz 5GHz: 802.11a/n/ac/ax: 5180-5240MHz, 5260-5320MHz, 5500-5720MHz, 5745-5825MHz 6GHz: 802.11a/ax: 5955MHz~6415MHz, 6435MHz~6515MHz 6535MHz~6855MHz, 6875MHz~7115MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11a/n: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 6GHz 802.11a: BPSK, QPSK, 16QAM, 64QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM, FHSS, DTS, OFDMA
Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps, 2Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ax: MCS0 – MCS11, HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80/160 802.11ax: MCS0 – MCS11, HE20/40/80/160 6GHz 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11ax: MCS0 – MCS11, HE20/40/80/160
Antenna Type	PIFA Antenna



Antenna Gain	For BT / BLE: 2400-2500MHz: ANT A: 1.97dBi For WLAN: 2400-2500MHz: ANT A: 1.97dBi, ANT B: 1.82dBi 5150-5250MHz: ANT A: 2.73dBi, ANT B: 2.11dBi 5250-5350MHz: ANT A: 2.73dBi, ANT B: 2.54dBi 5470-5725MHz: ANT A: 2.35dBi, ANT B: 2.4dBi 5725-5850MHz: ANT A: 2.4dBi, ANT B: 2.34dBi 5925~6425MHz:ANT A: 2.07dBi, ANT B: 2.48dBi 6425~6525MHz:ANT A: 1.77dBi, ANT B: 1.79dBi 6525~6875MHz:ANT A: 2.43dBi, ANT B: 2.37dBi 6875~7125MHz:ANT A: 2.24dBi, ANT B: 2.19dBi
Adapter	Brand: Delta Model: ADP-150EH B
Adapter	Brand: Delta Model: ADP-65JH HB
Adapter	Brand: Billion Model: BA070-190342MBX
Adapter	Brand: FSP Model: FSP150-AABN3
Power cord (US)	Brand: I-SHENG Model: V44VS336T1218000-A01
Power cord (EU)	Brand: I-SHENG Model: EU85B300S121800
USBC-POS-STAND	Brand: ELO Model: KIT, Z30-POS-Stand-CFD-Gen 2-15
USBC-POS-STAND	Brand: ELO Model: KIT, Z30-POS-STAND-GEN2-15
USBC-IO-HUB	Brand: ELO Model: USBC-IO-HUB-POWER-BARICK-V2
Panel	Brand: AUO Model: A156HAN01.1
Panel	Brand: BOE Model: PV156FHM-N30

Note:

1. EUT support TPC Function.
2. EUT supports DFS Client Mode, without radar detection.
3. WLAN and BT can simultaneously transmission.
4. The device not support Channel Puncturing or Bandwidth Reduction mechanisms supported
5. 802.11ax EUT only Support Full RU
6. EUT Operating mode: Indoor Client.
7. For more details, please refer to the User's manual of the EUT.



2.2 Carrier Frequency of Channels

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

Note: Channels remarked * are selected to perform test.



2.3 Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- b. The complete test system included Notebook and EUT for RF test.
- c. An executive program," QRCT ver.4.0.211.0" under Windows OS system was executed to transmit and receive data via Bluetooth.
- d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	GFSK (1Mbps), from Adapter (120V/60Hz)
2	GFSK (2Mbps), from Adapter (120V/60Hz)
3	GFSK (1Mbps), from Adapter (240V/60Hz)
4	GFSK (2Mbps), from Adapter (240V/60Hz)

caused "Test Mode 2" generated the worst case, it was reported as the final data.

Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	GFSK (1Mbps), from Adapter (120V/60Hz)
2	GFSK (2Mbps), from Adapter (120V/60Hz)
3	GFSK (1Mbps), from Adapter (240V/60Hz)
4	GFSK (2Mbps), from Adapter (240V/60Hz)

caused "Test Mode 4" generated the worst case, it was reported as the final data.

Radiation Emissions (1GHz ~ 25GHz)	
Test Mode	Operating Description
1	GFSK (1Mbps), from Adapter (120V/60Hz)
2	GFSK (2Mbps), from Adapter (120V/60Hz)
3	GFSK (1Mbps), from Adapter (240V/60Hz)
4	GFSK (2Mbps), from Adapter (240V/60Hz)

caused "Test Mode 4" generated the worst case, they were reported as the final data.

Note:1. There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.

worst case (V)

Test Item /test voltage	AC 120V / 60Hz	AC 240V / 60Hz.
AC Power Line Conducted Emission: SISO ANT/ MIMO ANT	V	
Radiation Emissions (Below 1GHz) : SISO ANT/ MIMO ANT		V

2.The EUT has Four types of Adapters. After engineering evaluation,
For AC Power Line Conducted Emission, FSP150-AABN3 is worst case.
For Radiated Spurious Emission(9kHz~30MHz,30MHz~1GHz), ADP-65JH is worst case.
For Radiated Spurious Emission(1GHz~40GHz), ADP-150EH B is worst case., hence, are used at test report

Adapter	Brand: Delta Model: ADP-150EH B
Adapter	Brand: Delta Model: ADP-65JH HB
Adapter	Brand: Billion Model: BA070-190342MBX



Adapter	Brand: FSP Model: FSP150-AABN3
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3. There are two types of Panels: AUO&BOE. After engineering evaluation, AUO is worst case, hence, is used at test report.

Panel	Brand: AUO Model: A156HAN01.1
	Brand: BOE Model: PV156FHM-N30

4. The EUT has Two types of USBC-POS-STANDS. After engineering evaluation, For AC Power Line Conducted Emission, KIT, Z30-POS-STAND-GEN2-15 is worst case. For Radiated Spurious Emission(9kHz~30MHz,30MHz~1GHz), none-docking is worst case. For Radiated Spurious Emission(1GHz~40GHz), KIT, Z30-POS-STAND-CFD-Gen 2-15 is worst case., hence, are used at test report

USBC-POS-STAND	Brand: ELO Model: KIT, Z30-POS-Stand-CFD-Gen 2-15
USBC-POS-STAND	Brand: ELO Model: KIT, Z30-POS-STAND-GEN2-15

Modulation Type	TX CONFIGURATION
GFSK (1Mbps)	1TX
GFSK (2Mbps)	1TX



2.4 Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	N/A
Micro USB(Blue)	kolin	KEX-DLCP07	1m / NS	N/A

Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	DELL	Latitude E5470	N/A	Adapter / 1.8m / NS
Micro USB(Blue)	kolin	KEX-DLCP07	1m / NS	N/A
Flash*4	TranScend	USB3.0 3GB	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A

AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	DELL	Latitude E5470	N/A	Adapter / 1.8m / NS
Micro USB(White)	kolin	KEX-DLCP07	1m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Cash Drawer	PARTNER	5E415	1.8m / NS	N/A
TYPE-C(Blue)	kolin	KEX-DLCP08	1m / NS	N/A
Flash*4	TranScend	USB3.0 3GB	N/A	N/A
Power USB Panel Type - 24V	TAIMING	Power USB	1.8m / NS	N/A



2.5 General Information of Test

<input checked="" type="checkbox"/> Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel: +886-3-3226-888 Fax: +886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
Frequency Range Investigated	Conducted: from 150kHz to 30 MHz Radiation: from 9 kHz to 25,000MHz	
Test Distance	The test distance of radiated emission from antenna to EUT is 3 M.	

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2024/07/31	26.6°C / 49%	Leon Huang
Radiated Emissions	3M02-NK	2024/07/22	26.8°C / 59%	Park Chen
Radiated Emissions	3M02-NK	2024/08/20	20.4°C / 40%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2024/08/23	25.3°C / 53%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2024/08/24	26.5°C / 43%	Leon Huang



2.6 Measurement Uncertainty

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

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.12dB
Radiated Spurious Emission(9KHz~30MHz)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
Conducted Spurious Emission	±2.1dB
6dB Bandwidth	±5.4%
20dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Dwell Time / Deactivation Time	±7.6%
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	369	2024/02/19	2025/02/18
Active Loop Antenna	Schwarzbeck	FMZB 1513	414	2024/01/16	2025/01/15
Horn Antenna	EMCO	3115	31589	2024/02/26	2025/02/25
Horn Antenna	EMCO	3116	31974	2023/10/16	2024/10/15
EMI Receiver	ROHDE & SCHWARZ	ESR 7	101906	2024/05/13	2025/05/12
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2024/07/16	2025/07/15
Preamplifier	Agilent	8449B	3008A01954	2024/03/01	2025/02/28
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2023/10/13	2024/10/12
Preamplifier	EM Electronics corp.	EM330	60659	2024/02/17	2025/02/16
Cable-6m(9k~300M)	N/A	EMC5D-BM-BM-6	130606	2024/03/13	2025/03/12
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2024/02/23	2025/02/22
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2024/03/05	2025/03/04
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2024/03/05	2025/03/04
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2024/03/05	2025/03/04
Cable-1m(1G-40G)	HUBER SUHNER	HUBER SUHNER / SF102	804398/2	2023/10/12	2024/10/11
Cable-3m(1G-40G)	HUBER SUHNER	HUBER SUHNER / SF102	804619/2	2023/10/12	2024/10/11
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
Highpass Filter	Warison	WFIL-H3000-18000F-03	WRJ5CFWC2J1	2024/07/03	2025/07/02
Notch Filter	Warison	WFIL-N5925-7125F-04	WRQ4BFWC4M1	2024/03/11	2025/03/10
Hipass Filter	Warison	WFIL-H7500-18000F	WRQ4BFWC2J1	2024/03/11	2025/03/10

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2023/11/06	2024/11/05
Power Meter	Anritsu	ML2495A	1224005	2024/02/17	2025/02/16
Power Sensor	Anritsu	MA2411B	1207295	2024/02/17	2025/02/16
Attenuator	KEYSIGHT	8491B	MY39250703	2024/02/20	2025/02/19



Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESR 7	101906	2024/05/13	2025/05/12
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2024/03/01	2025/02/28
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127740	2023/08/28	2024/08/27
TWO-LINE V-NETWORK	ROHDE & SCHWARZ	ENV216	102185	2023/08/29	2024/08/28
Cable-4m(9k-3G)	EMEC	RG-223	18274M	2023/07/31	2024/07/30
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA



4. Antenna Requirements

4.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.2 Antenna Construction and Directional Gain

Antenna Type	PIFA Antenna
Antenna Gain	1.97dBi



5. Test of AC Power Line Conducted Emission

5.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.10-2013. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

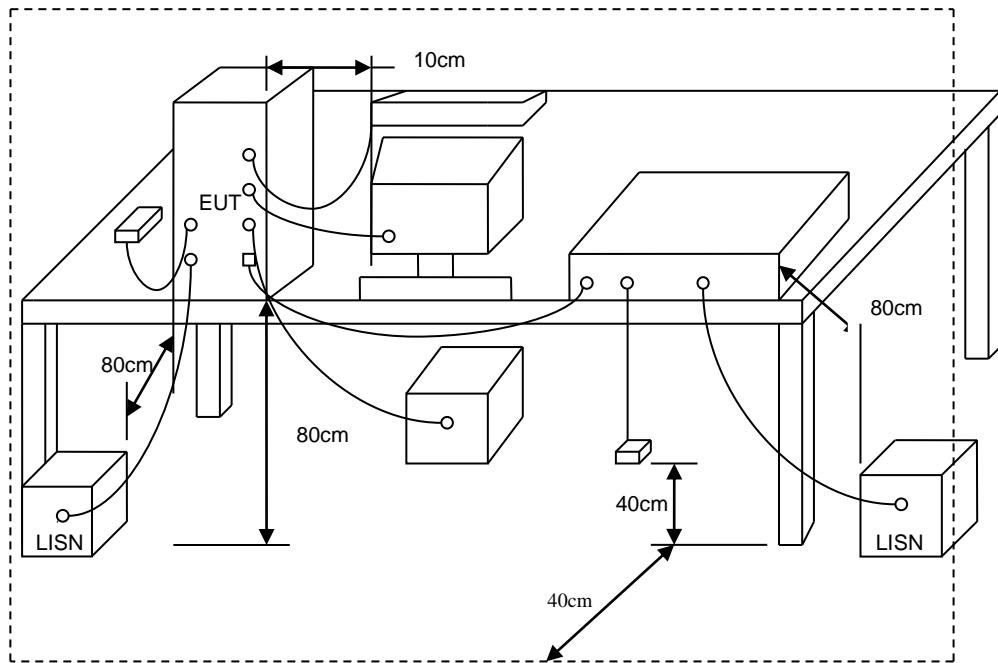
*Decreases with the logarithm of the frequency.

5.2 Test Procedures

- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



5.3 Typical Test Setup

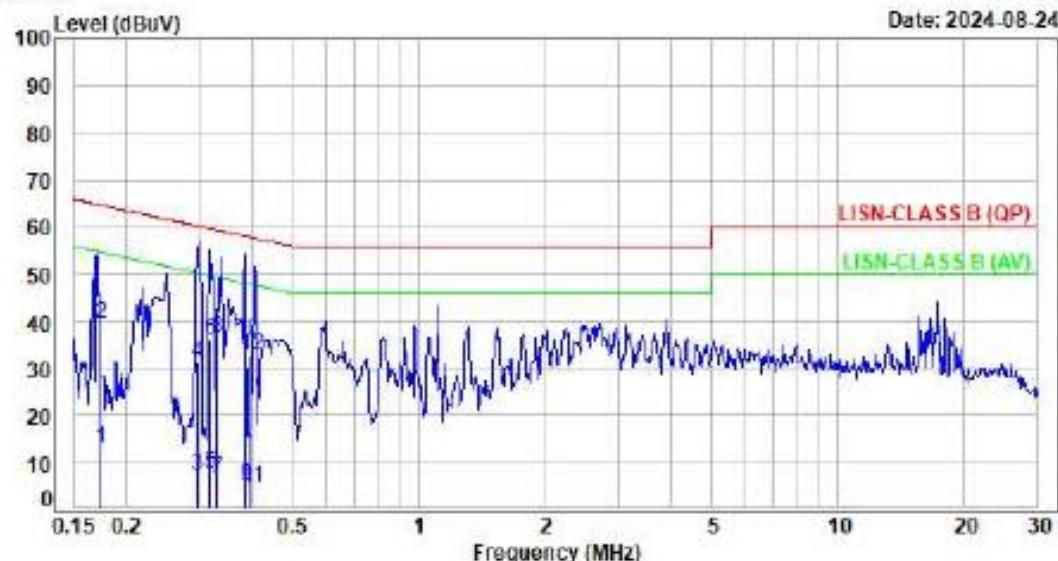




5.4 Test Result and Data

Test Mode : BLE 1TX GFSK CH19 2Mbps
 Voltage : From Adapter(AC 120V/60Hz)
 Phase : Line

Data: 5



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1741	9.92	2.86	12.78	54.76	-41.98	Average	P
2	0.1741	9.92	29.65	39.57	64.76	-25.19	QP	P
3	0.2966	9.92	-2.75	7.17	50.34	-43.17	Average	P
4	0.2966	9.92	21.41	31.33	68.34	-29.01	QP	P
5	0.3175	9.92	-2.14	7.78	49.77	-41.99	Average	P
6	0.3175	9.92	26.19	36.11	59.77	-23.66	QP	P
7	0.3295	9.92	-3.34	6.58	49.46	-42.88	Average	P
8	0.3295	9.92	26.65	36.57	59.46	-22.89	QP	P
9	0.3875	9.93	-4.94	4.99	48.12	-43.13	Average	P
10	0.3875	9.93	25.70	35.63	58.12	-22.49	QP	P
11	0.3986	9.93	-5.36	4.57	47.88	-43.31	Average	P
12	0.3986	9.93	22.85	32.78	57.88	-25.10	QP	P

Note: Level=Reading+Factor

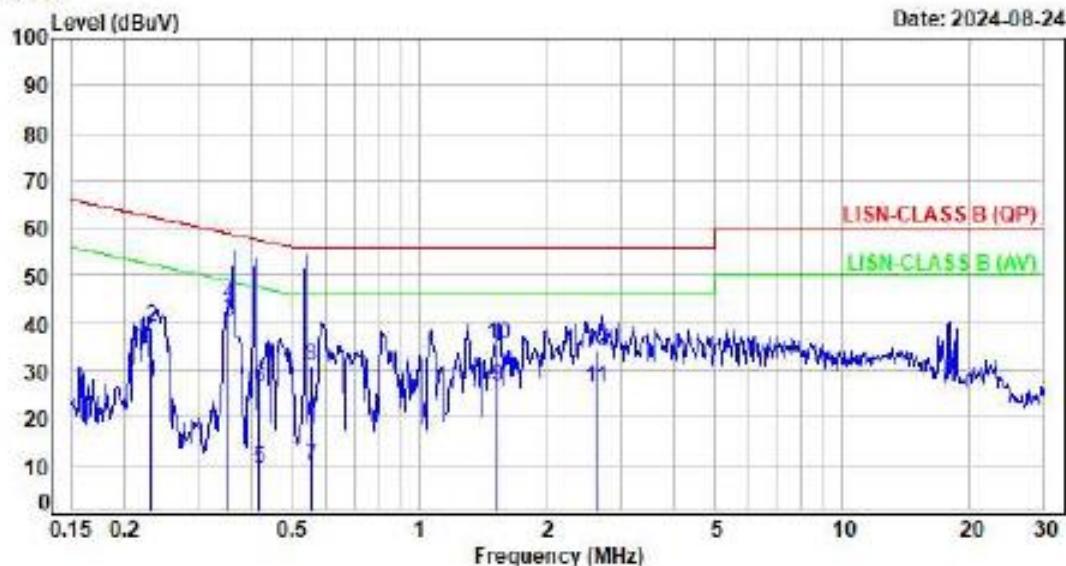
Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



Test Mode : BLE 1TX GFSK CH19 2Mbps
 Voltage : From Adapter(AC 120V/60Hz)
 Phase : Neutral

Data: 6



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2312	9.94	17.38	27.32	52.41	-25.09	Average	P
2	0.2312	9.94	29.16	39.10	62.41	-23.31	QP	P
3	0.3546	9.96	30.34	40.30	48.85	-8.55	Average	P
4	0.3546	9.96	33.91	43.87	58.85	-14.98	QP	P
5	0.4198	9.96	-0.78	9.18	47.47	-38.29	Average	P
6	0.4198	9.96	16.31	26.27	57.47	-31.20	QP	P
7	0.5533	9.96	0.04	10.00	46.00	-36.00	Average	P
8	0.5533	9.96	20.66	30.62	56.00	-25.38	QP	P
9	1.5266	10.81	16.45	26.46	46.00	-19.54	Average	P
10	1.5266	10.81	25.21	35.22	56.00	-20.78	QP	P
11	2.6175	10.86	16.08	26.14	46.00	-19.86	Average	P
12	2.6175	10.86	23.97	34.03	56.00	-21.97	QP	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



6. Test of Spurious Emission (Radiated)

6.1 Test Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

Frequency (MHz)	Field Strength (microvolt/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



6.2 Test Procedures

- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- i. "Cone of radiation" has been considered to be 3dB bandwidth of the measurement antenna.

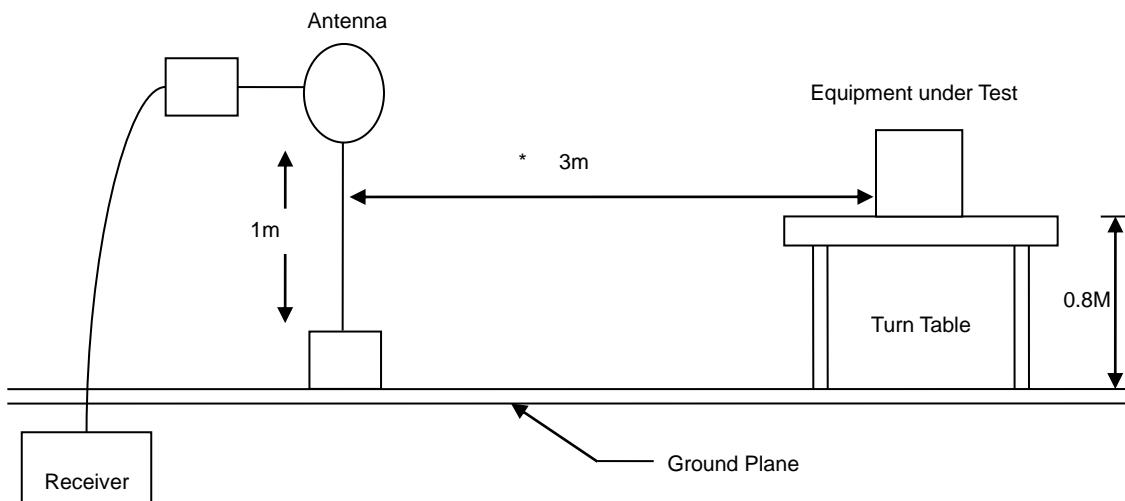
Note:

- 1.The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.
- 2.Due to the test software function limit the operation band setting(200dBuV/m).
There's no corresponding limitation in the actual test item.

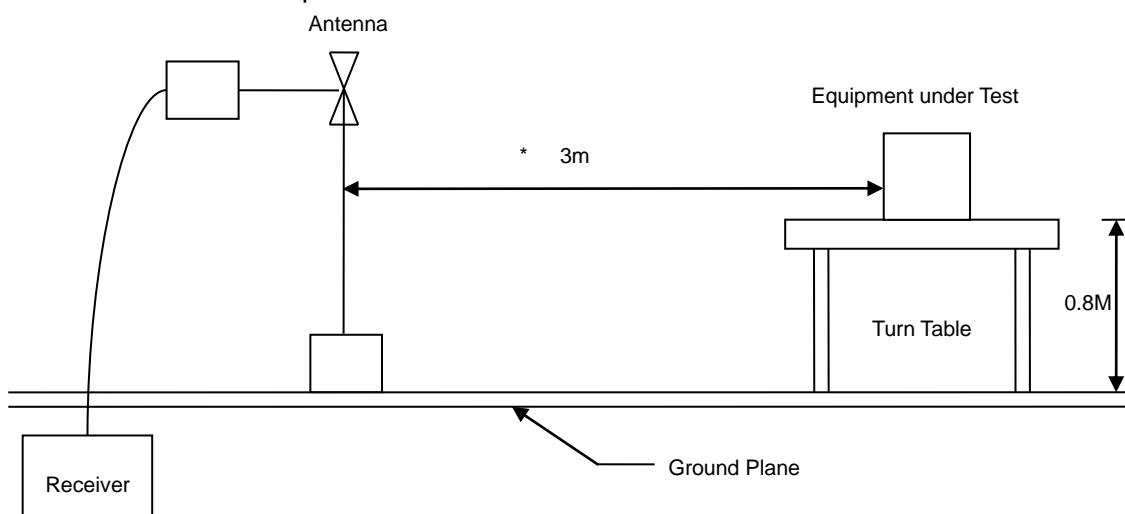


6.3 Typical Test Setup

Below 30MHz test setup

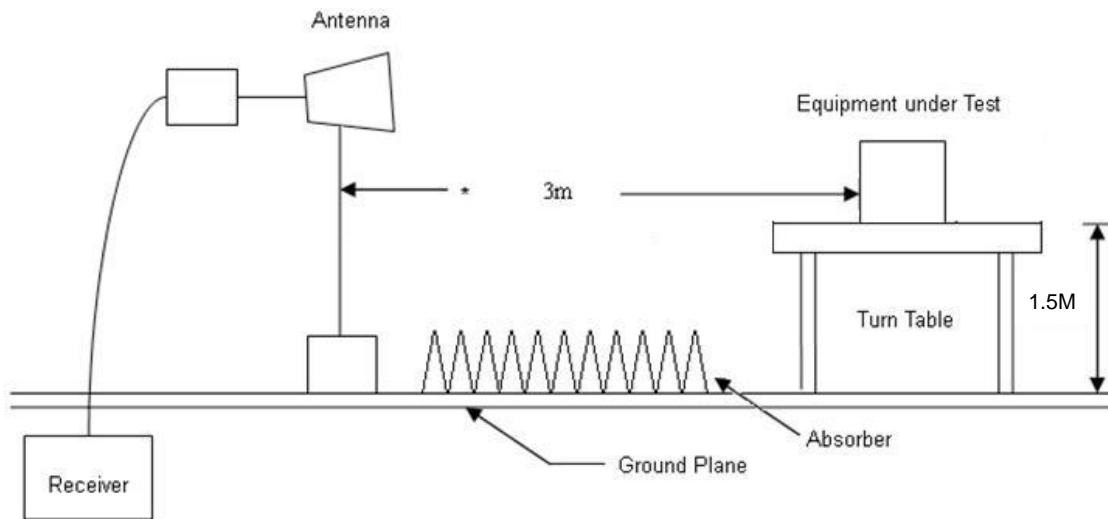


30MHz- 1GHz Test Setup





Above 1GHz Test Setup



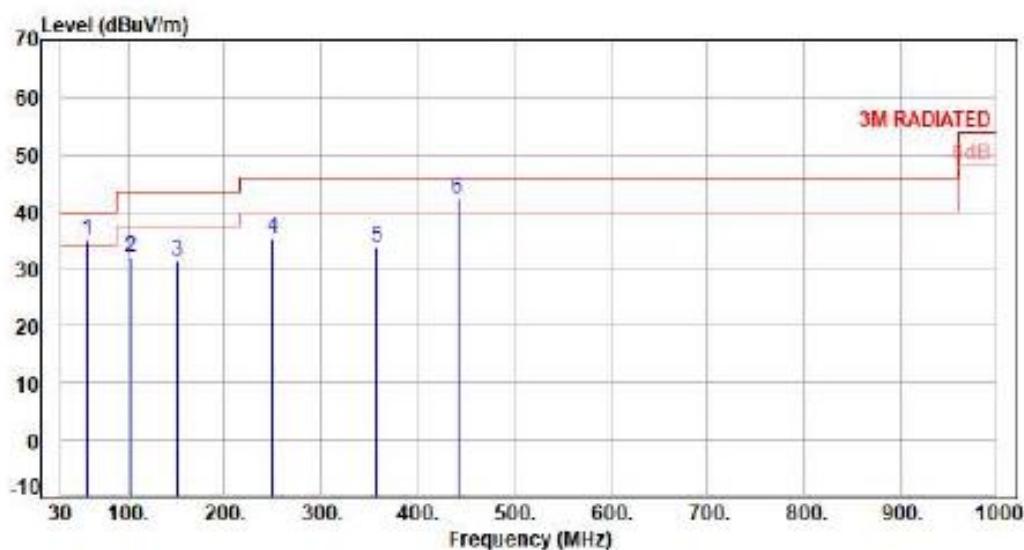


6.4 Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

6.5 Test Result and Data (30MHz ~ 1GHz)

Test Mode : BLE 1Tx GFSK CH00 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth P/F (deg)
1	57.16	-9.18	44.19	35.01	40.00	-4.99	Peak	400	360 P
2	101.78	-14.01	45.06	32.05	43.50	-11.45	Peak	400	360 P
3	150.28	-9.50	41.00	31.50	43.50	-12.00	Peak	400	360 P
4	249.22	-10.20	45.67	35.47	46.00	-10.53	Peak	400	360 P
5	357.86	-7.03	40.83	33.00	46.00	-12.20	Peak	400	360 P
6	441.28	-4.58	47.04	42.46	46.00	-3.54	Peak	400	360 P

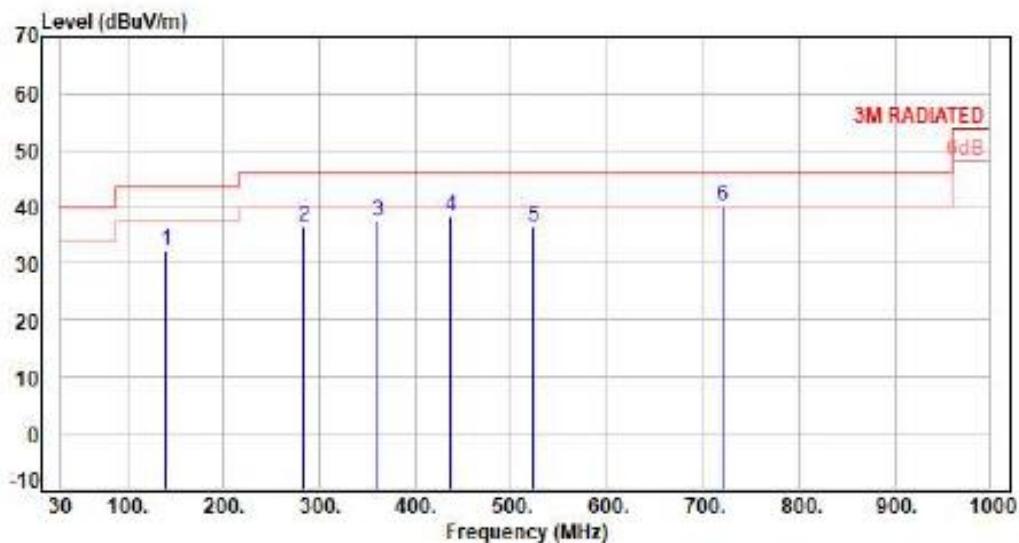
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX GFSK CH00 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	140.58	-10.68	42.46	32.38	43.58	-11.12	Peak	400	360	P
2	284.14	-9.00	45.44	36.44	46.00	-9.56	Peak	400	360	P
3	361.74	-6.85	44.18	37.33	46.00	-8.67	Peak	400	360	P
4	437.40	-4.72	42.98	38.26	46.00	-7.74	Peak	400	360	P
5	522.76	-2.71	39.34	36.63	46.00	-9.37	Peak	400	360	P
6	720.64	0.84	39.27	40.11	46.00	-5.89	Peak	400	360	P

Note: Level=Reading+Factor

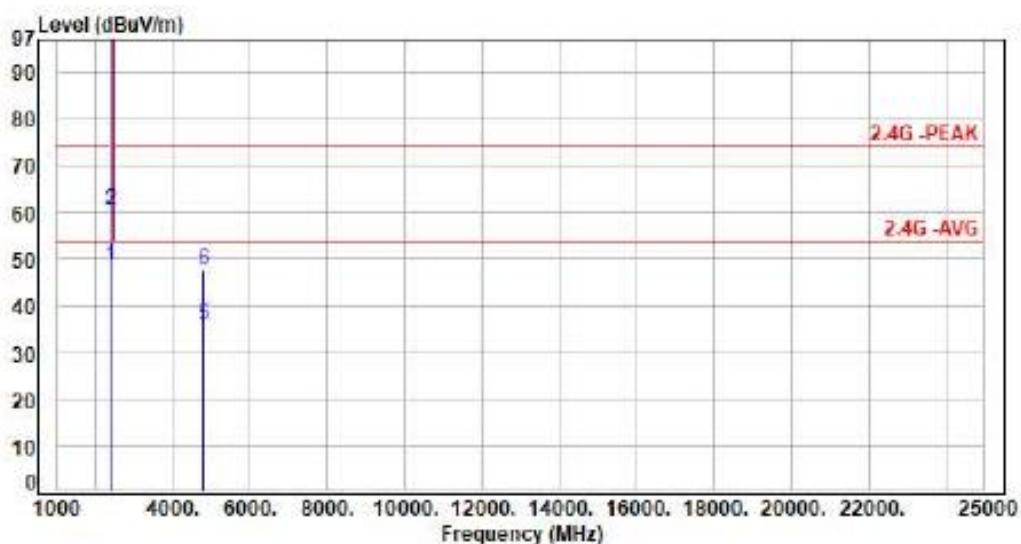
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.6 Test Result and Data (1GHz ~ 25GHz)

Test Mode : BLE 1TX CH00 1Mbps
 Voltage : From Adapter(AC120V/50Hz)
 Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.33	50.86	48.53	54.00	-5.47	Average	129	177	P
2	2390.00	-2.33	62.68	60.35	74.00	-13.65	Peak	129	177	P
3	2402.00	-2.32	114.07	111.75	200.00	-88.25	Average	129	177	P
4	2402.00	-2.32	115.19	112.87	200.00	-87.13	Peak	129	177	P
5	4804.00	5.92	29.76	35.68	54.00	-18.32	Average	100	235	P
6	4804.00	5.92	41.59	47.51	74.00	-26.49	Peak	100	235	P

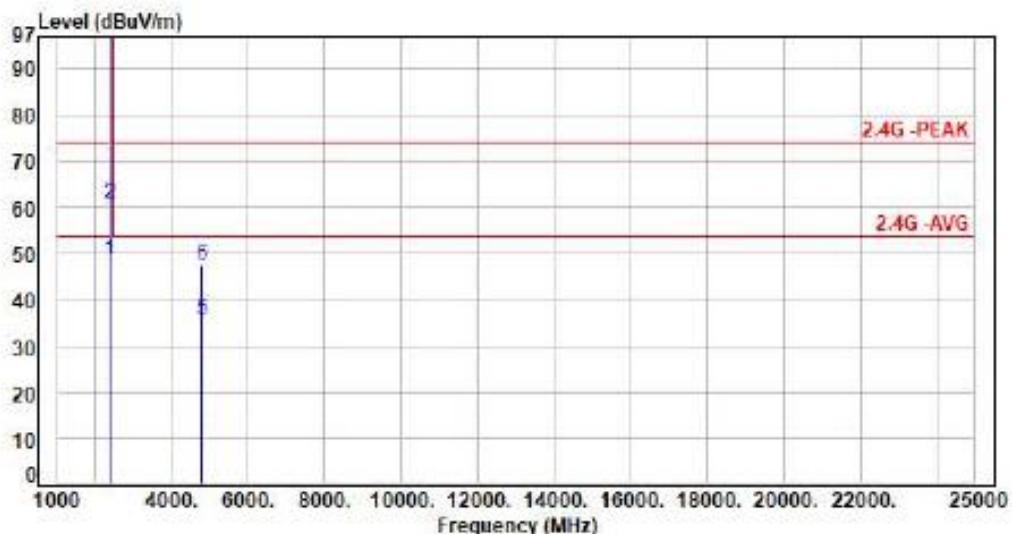
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1Tx CH00 1Mbps
 Voltage : From Adapter(AC120V/60Hz)
 Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.33	50.93	48.68	54.00	-5.40	Average	102	24	P
2	2390.00	-2.33	63.31	60.98	74.00	-13.02	Peak	102	24	P
3	2402.00	-2.32	105.30	103.98	200.00	-96.02	Average	102	24	P
4	2402.00	-2.32	107.28	104.96	200.00	-95.04	Peak	102	24	P
5	4804.00	5.92	30.04	35.96	54.00	-18.04	Average	100	316	P
6	4804.00	5.92	41.72	47.64	74.00	-26.36	Peak	100	316	P

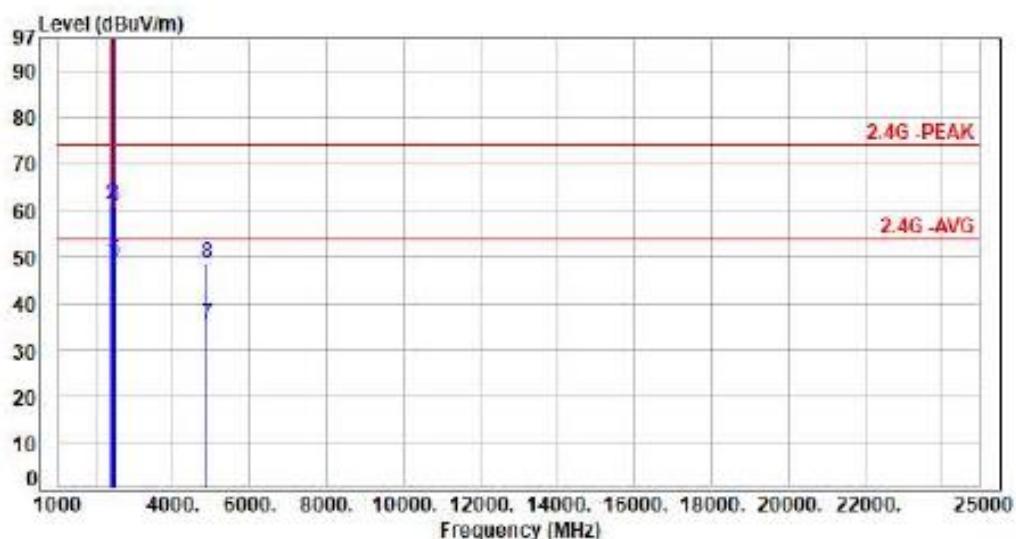
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH19 1Mbps
 Voltage : From Adapter(AC120V/60Hz)
 Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.33	50.87	48.54	54.00	-5.46	Average	182	184	P
2	2390.00	-2.33	63.59	61.26	74.00	-12.74	Peak	182	184	P
3	2440.00	-2.16	113.71	111.55	200.00	-88.45	Average	182	184	P
4	2440.00	-2.16	114.81	112.65	200.00	-87.35	Peak	182	184	P
5	2483.50	-2.01	51.20	49.19	54.00	-4.81	Average	182	184	P
6	2483.50	-2.01	63.04	61.03	74.00	-12.97	Peak	182	184	P
7	4880.00	6.15	29.24	35.39	54.00	-18.61	Average	100	238	P
8	4880.00	6.15	42.41	48.56	74.00	-25.44	Peak	100	238	P

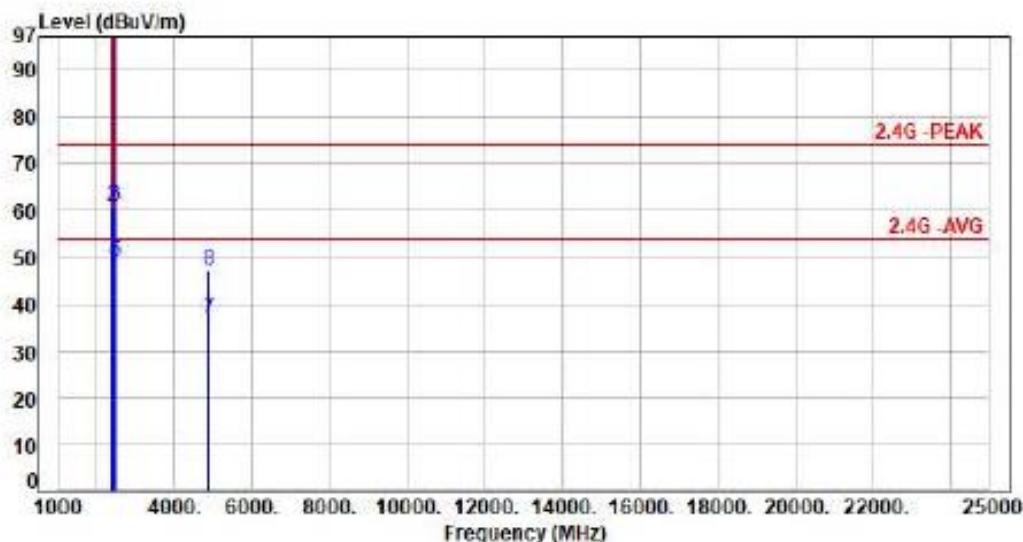
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH19 1Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth P/F (deg)	P/F
1	2390.00	-2.33	50.32	47.99	54.00	-6.01	Average	107	27	P
2	2390.00	-2.33	63.05	60.72	74.00	-13.28	Peak	107	27	P
3	2440.00	-2.16	105.83	103.67	200.00	-96.33	Average	107	27	P
4	2440.00	-2.16	106.89	104.73	200.00	-95.27	Peak	107	27	P
5	2483.50	-2.01	51.21	49.20	54.00	-4.80	Average	107	27	P
6	2483.50	-2.01	62.96	60.95	74.00	-13.05	Peak	107	27	P
7	4880.00	6.15	30.66	36.81	54.00	-17.19	Average	100	314	P
8	4880.00	6.15	48.99	47.14	74.00	-26.85	Peak	100	314	P

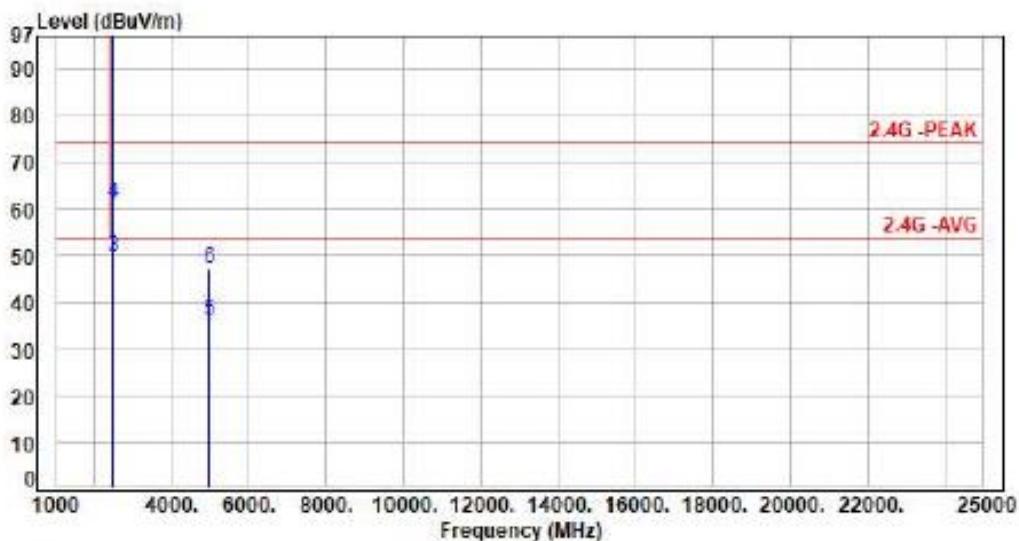
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH39 1Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-2.81	110.11	108.18	200.00	-91.90	Average	143	195	P
2	2480.00	-2.81	111.19	109.18	200.00	-90.82	Peak	143	195	P
3	2483.50	-2.81	51.69	49.68	54.00	-4.32	Average	143	195	P
4	2483.50	-2.81	63.16	61.15	74.00	-12.85	Peak	143	195	P
5	4960.00	6.40	29.70	36.18	54.00	-17.90	Average	100	233	P
6	4960.00	6.40	48.87	47.27	74.00	-26.73	Peak	100	233	P

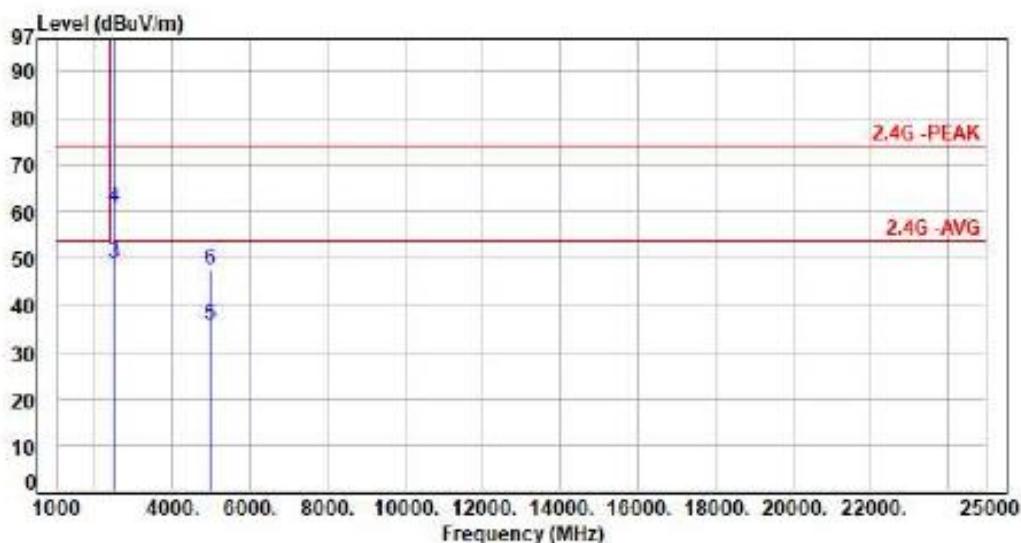
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH39 1Mbps
 Voltage : From Adapter(AC120V/60Hz)
 Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-2.01	103.25	101.24	200.00	-98.76	Average	105	29	P
2	2480.00	-2.01	104.40	102.39	200.00	-97.61	Peak	105	29	P
3	2483.50	-2.01	51.22	49.21	54.00	-4.79	Average	105	29	P
4	2483.50	-2.01	62.96	60.95	74.00	-13.05	Peak	105	29	P
5	4960.00	6.40	29.26	35.66	54.00	-18.34	Average	100	320	P
6	4960.00	6.40	41.31	47.71	74.00	-26.29	Peak	100	320	P

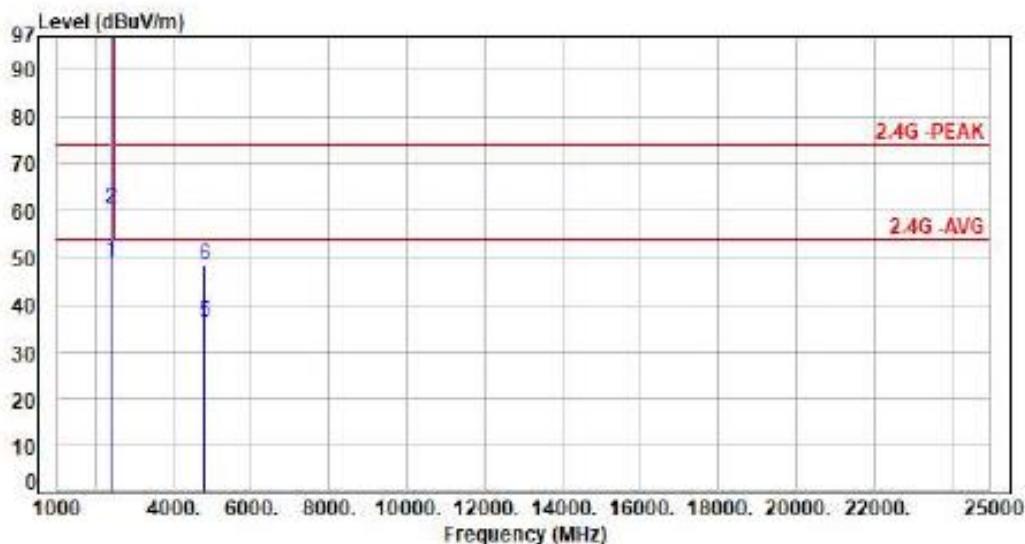
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH09 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.33	51.47	49.14	54.00	-4.86	Average	126	180	P
2	2390.00	-2.33	62.98	60.57	74.00	-13.43	Peak	126	180	P
3	2402.00	-2.32	112.76	110.44	200.00	-89.56	Average	126	180	P
4	2402.00	-2.32	115.55	113.23	200.00	-86.77	Peak	126	180	P
5	4804.00	5.92	38.27	36.19	54.00	-17.81	Average	100	238	P
6	4804.00	5.92	42.39	48.31	74.00	-25.69	Peak	100	238	P

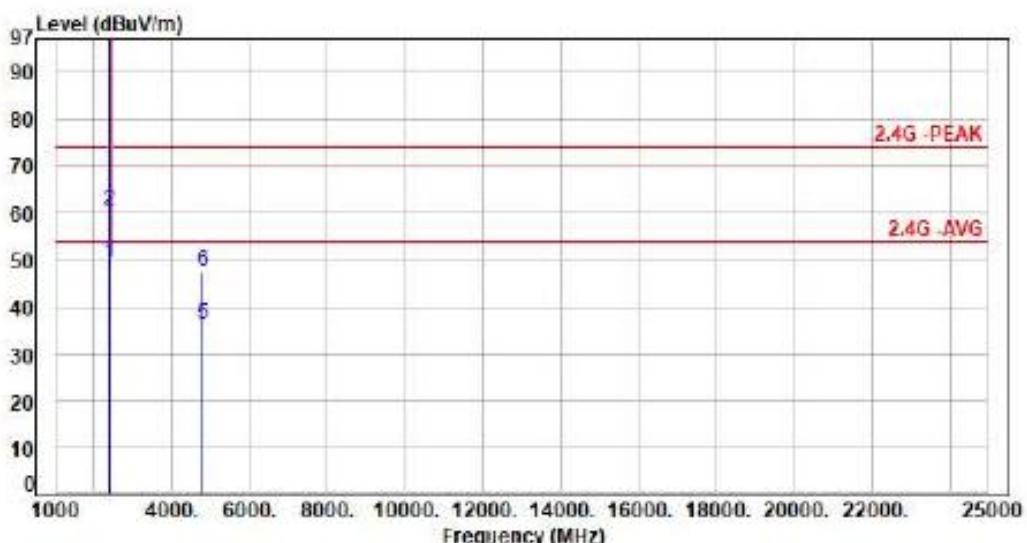
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH00 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth P/F (deg)	P/F
1	2398.00	-2.33	51.70	49.37	54.00	-4.63	Average	100	24	P
2	2398.00	-2.33	62.64	60.31	74.00	-13.69	Peak	100	24	P
3	2402.00	-2.32	104.73	102.41	200.00	-97.59	Average	100	24	P
4	2402.00	-2.32	107.48	105.16	200.00	-94.84	Peak	100	24	P
5	4804.00	5.92	38.25	36.17	54.00	-17.83	Average	100	315	P
6	4804.00	5.92	41.56	47.48	74.00	-26.52	Peak	100	315	P

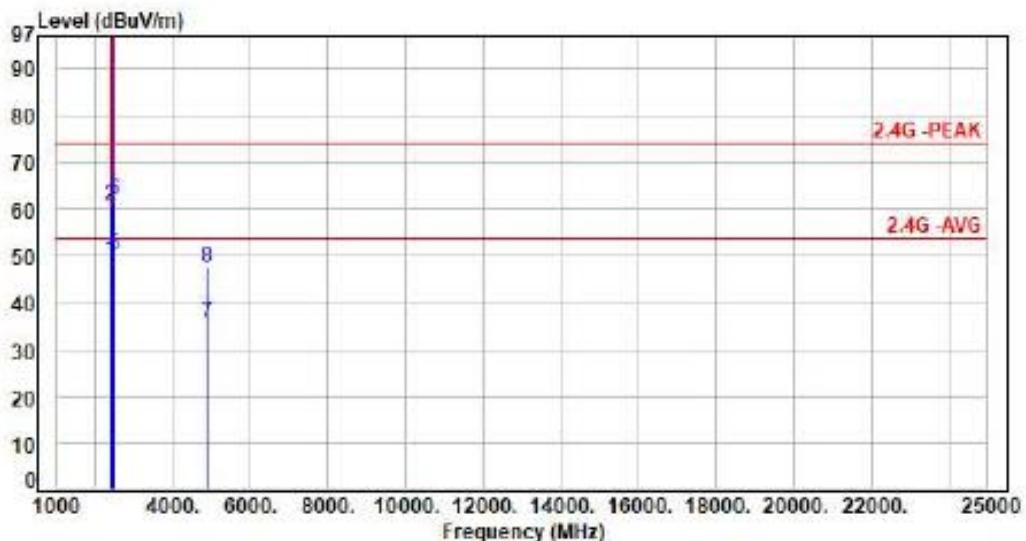
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH19 2Mbps
 Voltage : From Adapter(AC120V/60Hz)
 Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.33	51.42	49.09	54.00	-4.91	Average	100	183	P
2	2390.00	-2.33	63.09	60.76	74.00	-13.24	Peak	100	183	P
3	2440.00	-2.16	112.40	110.24	200.00	-89.76	Average	100	183	P
4	2440.00	-2.16	115.23	113.07	200.00	-86.93	Peak	100	183	P
5	2483.50	-2.01	52.15	50.14	54.00	-3.86	Average	100	183	P
6	2483.50	-2.01	63.85	61.84	74.00	-12.16	Peak	100	183	P
7	4880.00	6.15	29.79	35.94	54.00	-18.06	Average	100	237	P
8	4880.00	6.15	41.29	47.44	74.00	-26.56	Peak	100	237	P

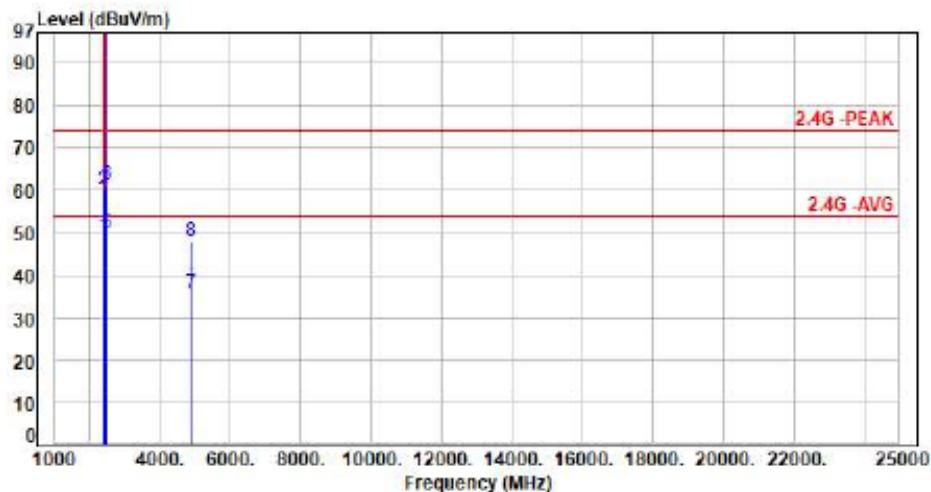
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1Tx CH19 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth P/F (deg)
1	2390.00	-2.33	51.33	49.00	54.00	-5.00	Average	110	28 P
2	2390.00	-2.33	62.42	60.09	74.00	-13.91	Peak	110	28 P
3	2440.00	-2.16	104.25	102.09	200.00	-97.91	Average	110	28 P
4	2440.00	-2.16	106.99	104.83	200.00	-95.17	Peak	110	28 P
5	2483.50	-2.01	51.73	49.72	54.00	-4.28	Average	110	28 P
6	2483.50	-2.01	63.20	61.19	74.00	-12.81	Peak	110	28 P
7	4880.00	6.15	29.70	35.85	54.00	-18.15	Average	100	317 P
8	4880.00	6.15	41.80	47.95	74.00	-26.05	Peak	100	317 P

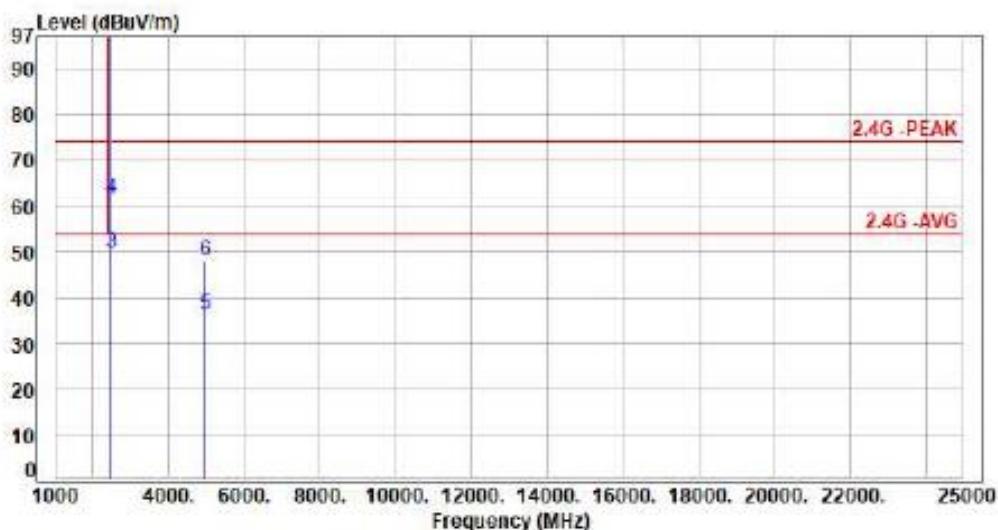
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH39 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-2.01	108.41	106.40	200.00	-93.60	Average	142	190	P
2	2480.00	-2.01	111.21	109.20	200.00	-90.80	Peak	142	190	P
3	2483.50	-2.01	51.83	49.82	54.00	-4.18	Average	142	190	P
4	2483.50	-2.01	63.52	61.51	74.00	-12.49	Peak	142	190	P
5	4960.00	6.40	29.93	36.33	54.00	-17.67	Average	100	233	P
6	4960.00	6.40	41.67	48.07	74.00	-25.93	Peak	100	233	P

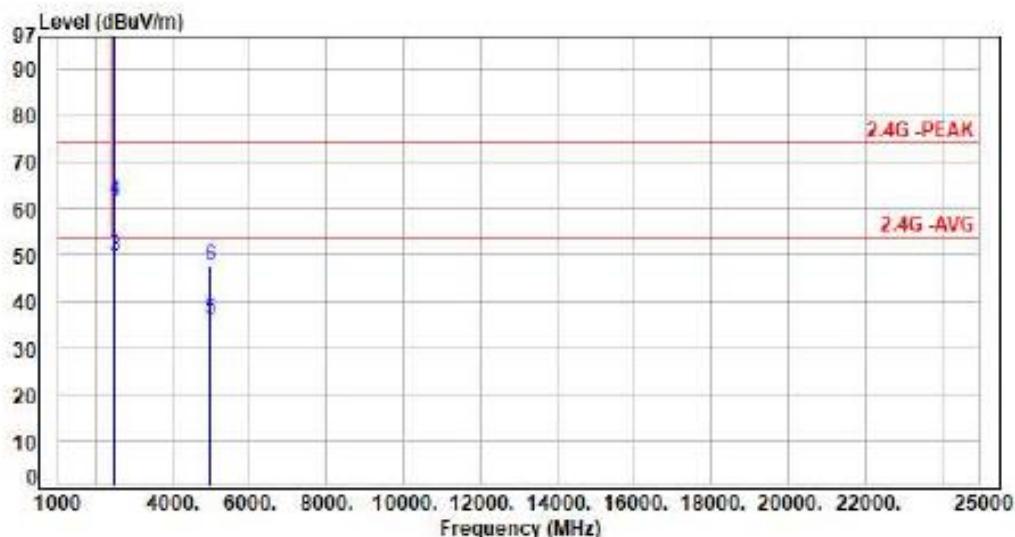
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH39 2Mbps
 Voltage : From Adapter(AC120V/60Hz)
 Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-2.01	101.68	99.67	200.00	-100.33	Average	104	27	P
2	2480.00	-2.01	104.55	102.54	200.00	-97.46	Peak	104	27	P
3	2483.50	-2.01	51.73	49.72	54.00	-4.28	Average	104	27	P
4	2483.50	-2.01	63.76	61.75	74.00	-12.25	Peak	104	27	P
5	4960.00	6.40	29.93	35.33	54.00	-17.67	Average	100	319	P
6	4960.00	6.40	41.29	47.69	74.00	-26.31	Peak	100	319	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.7 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz



7. Test of Spurious Emission (Conducted)

7.1 Test Limit

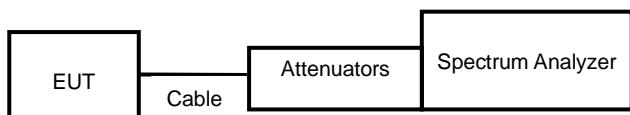
According to the methods defined in ANSI C63.10-2013 Section 11.11.1
Below –30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.11.2 & 11.11.3

- a. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- c. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 30dB relative to the maximum measured in-band peak PSD level.
- d. The band edges was measured and recorded.

7.3 Test Setup Layout



7.4 Test Result and Data

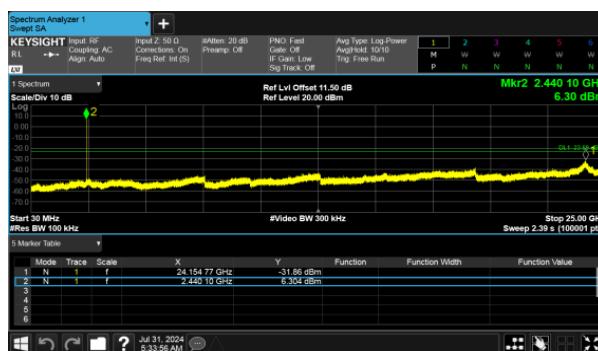
Note: Test plots refer to the following pages.



Modulation Type: GFSK(1Mbps)
CH00

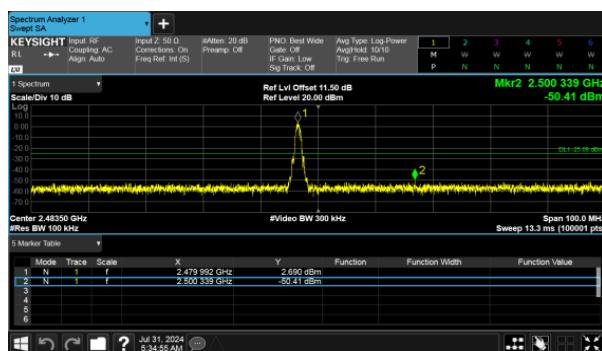


Modulation Type: GFSK(1Mbps)
CH19





Modulation Type: GFSK(1Mbps)
CH39

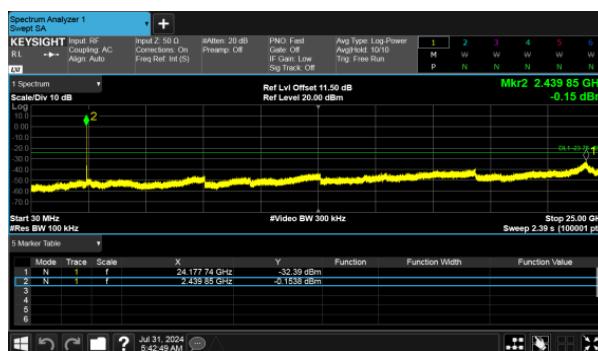




Modulation Type: GFSK(2Mbps)
CH00

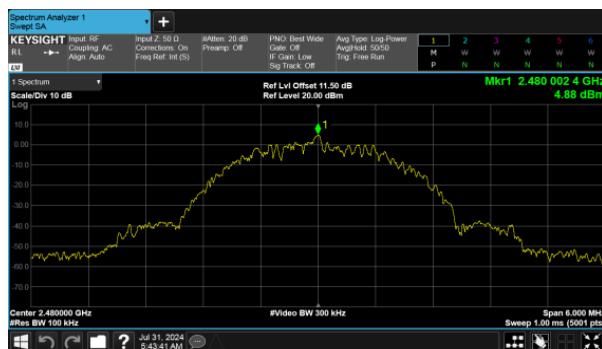


Modulation Type: GFSK(2Mbps)
CH19





Modulation Type: GFSK(2Mbps)
CH39





8. On Time, Duty Cycle and Measurement methods

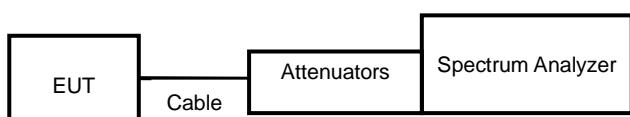
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.6
Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout



8.4 Test Result and Data

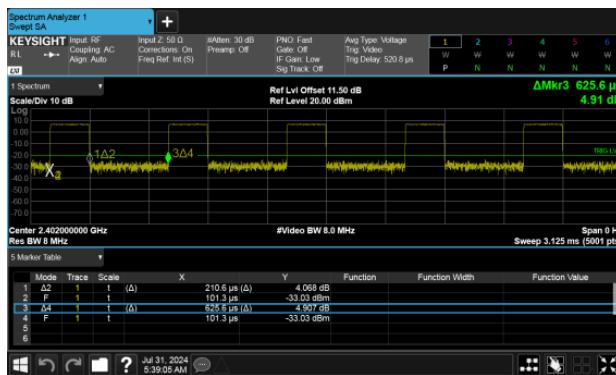
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
GFSK(1Mbps)	0.39	0.63	63.01%
GFSK(2Mbps)	0.21	0.63	33.66%



Modulation Type: GFSK(1Mbps)



Modulation Type: GFSK(2Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

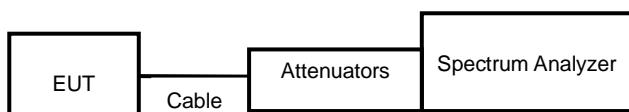
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.8

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- d. The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout



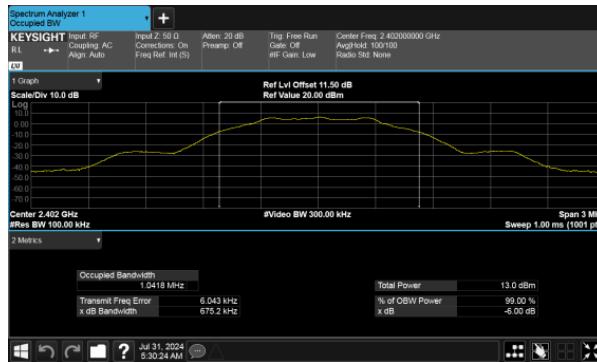
9.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Limit (KHz)
GFSK(1Mbps)	0	2402	675.20	500
	19	2440	672.60	500
	39	2480	672.00	500

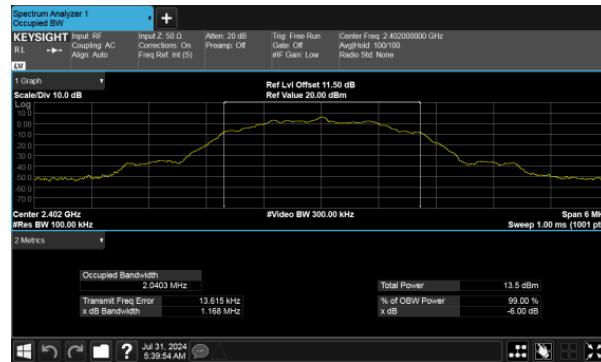
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Limit (KHz)
GFSK(2Mbps)	0	2402	1168.00	500
	19	2440	1163.00	500
	39	2480	1166.00	500



Modulation Type: GFSK(1Mbps)
CH00



Modulation Type: GFSK(2Mbps)
CH00



Modulation Type: GFSK(1Mbps)
CH19



Modulation Type: GFSK(2Mbps)
CH19



Modulation Type: GFSK(1Mbps)
CH39



Modulation Type: GFSK(2Mbps)
CH39





10. Maximum Average Output Power

10.1 Test Limit

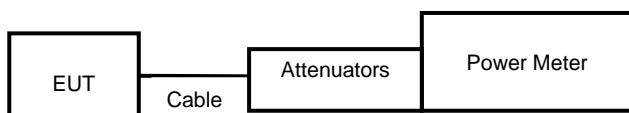
The Maximum Output Power Measurement is 30dBm.

10.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.9.2.3.2

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

10.3 Test Setup Layout





10.4 Test Result and Data

BT5(1M bps)

Conducted Setting	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
Default	GFSK	0	2402	6.41	4.375
Default		19	2440	6.51	4.477
Default		39	2480	5.47	3.524

BT5(2M bps)

Conducted Setting	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
Default	GFSK	0	2402	6.42	4.385
Default		19	2440	6.52	4.487
Default		39	2480	5.48	3.532



11. Power Spectral Density

11.1 Test Limit

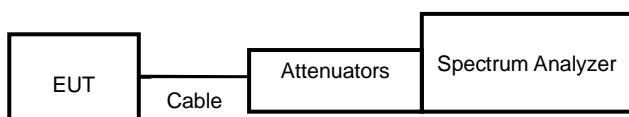
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

11.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.10.1

11.3 Test Setup Layout





11.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 10KHz Bandwidth(dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit
GFSK(1Mbps)	0	2402	-9.812	2.01	-7.81	8.00
	19	2440	-9.545	2.01	-7.54	8.00
	39	2480	-10.54	2.01	-8.53	8.00

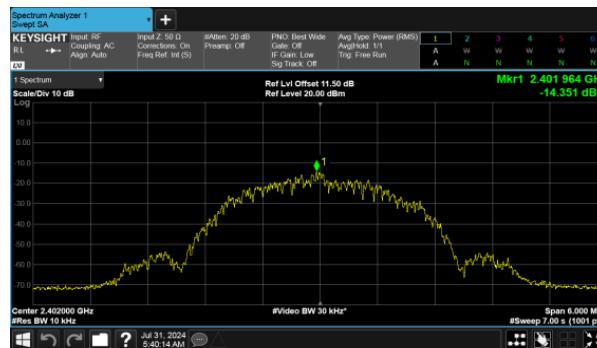
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 10KHz Bandwidth(dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit
GFSK(2Mbps)	0	2402	-14.351	4.73	-9.62	8.00
	19	2440	-14.136	4.73	-9.41	8.00
	39	2480	-15.303	4.73	-10.57	8.00



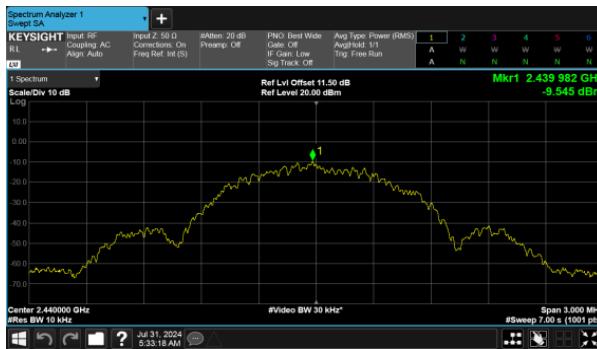
Modulation Type: GFSK(1Mbps)
CH00



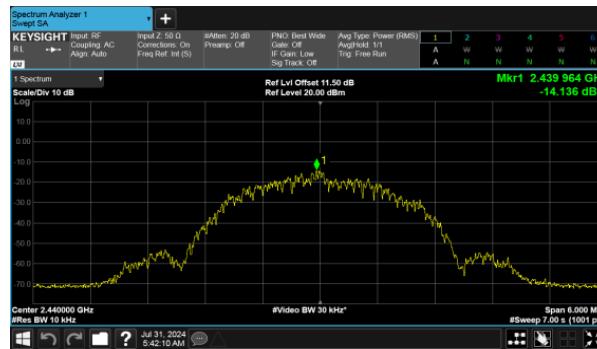
Modulation Type: GFSK(2Mbps)
CH00



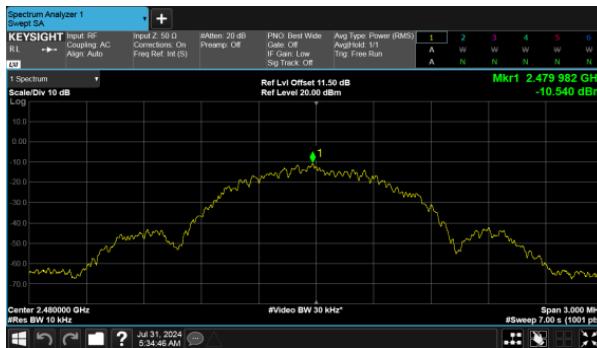
Modulation Type: GFSK(1Mbps)
CH19



Modulation Type: GFSK(2Mbps)
CH19



Modulation Type: GFSK(1Mbps)
CH39



Modulation Type: GFSK(2Mbps)
CH39

