



FCC RADIO TEST REPORT

Applicant : ELO TOUCH SOLUTIONS, INC.

Address : 670 N. McCarthy Blvd., Suite 100 Milpitas, CA
95035 USA

Equipment : Computer Box

Model No. : ESY00I1E

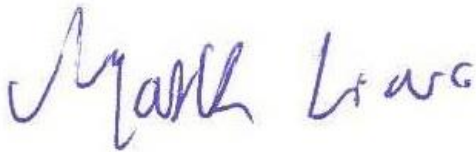
Trade Name : Elo or 

FCC ID : RBWESY00I1E

I HEREBY CERTIFY THAT :

The sample was received on Aug. 19, 2024 and the testing was completed on Oct. 26, 2024 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:



Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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History of this test report

Report No.	Issued Date	Description
24080253-TRFCC02	Nov. 06, 2024	Original



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, 5500-5700MHz, 5745-5825MHz 6GHz: 802.11a/ax: 5955MHz~6415MHz, 6435MHz~6515MHz 6535MHz~6855MHz, 6895MHz~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	Dipole Antenna



Antenna Gain	For BT / BLE: 2402-2480MHz: ANT A: 3dBi For WLAN: 2412-2462MHz: ANT A: 3dBi, ANT B: 3dBi 5180-5240MHz: ANT A: 3.5dBi, ANT B: 3.5dBi 5260-5320MHz: ANT A: 3.5dBi, ANT B: 3.5dBi 5500-5700MHz: ANT A: 3.5dBi, ANT B: 3.5dBi 5745-5825MHz: ANT A: 3.5dBi, ANT B: 3.5dBi 5945~6425MHz: ANT A: 3.5dBi, ANT B: 3.5dBi 6425~6525MHz: ANT A: 3.5dBi, ANT B: 3.5dBi 6525~6875MHz: ANT A: 3.5dBi, ANT B: 3.5dBi 6875~7125MHz: ANT A: 3.5dBi, ANT B: 3.5dBi
Adapter	Brand: Billion Model: BA070-190342MBX
Adapter	Brand: Delta Model: ADP-65JH HB
Power cord (US)	Brand: I-SHENG Model: V44VS336T1218000-A01
Power cord (EU)	Brand: I-SHENG Model: EU85B300S121800

Note:

- 1.EUT support TPC Function.
- 2.WLAN and BT can simultaneously transmission.
- 3.EUT supports DFS Client Mode, without radar detection.
- 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

- During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- The complete test system included Notebook and EUT for RF test.
- An executive program, "QRCT ver.4.0.211.0" under Windows OS system was executed to transmit and receive data via Bluetooth.
- 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 3" 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 1&2" 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 Two types of Adapters. After engineering evaluation,

For AC Power Line Conducted Emission, ADP-65JH HB is worst case.

For Radiated Spurious Emission(9kHz~30MHz,30MHz~1GHz), BA070-190342MBX is worst case.

For Radiated Spurious Emission(1GHz~40GHz), ADP-65JH HB is worst case., hence, are used at test report

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



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
USB Cable (A to A)	BENEVO	E210567AWM	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
USB Cable (A to A)	BENEVO	E210567AWM	1m / NS	N/A
Flash*2	TranScend	USB3.0 16GB	N/A	N/A
Monitor	LG	24UD58	N/A	N/A
HDMI Cable	J5Create	HDMI 8K	1.8m / NS	N/A
TYPE-C(Blue)	kolin	KEX-DLCP08	1m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
MicroSDHC	ADATA	8G	N/A	N/A
Mouse	DELL	MS116t	1.85m / NS	N/A

AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
USB Cable (A to A)	BENEVO	E210567AWM	1m / NS	N/A
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
Monitor	LG	24UD58	N/A	N/A
HDMI Cable	YD-TECH	H1	1.8m / S	N/A
Mouse	Micsoft	MSK-1113	1.85m / S	N/A



2.5 General Information of Test

☒ 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	2024/09/26	26.3°C / 42%	Leon Huang
Radiated Emissions	3M02-NK	2024/09/24	21.2°C / 50%	Park Chen
Radiated Emissions	3M02-NK	2024/10/26	23.1°C / 53%	Park Chen
AC Power Line Conducted Emission	CON02-NK	2024/09/30	25°C / 63%	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) (2024/9/24)				
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-4m(9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
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
High Pass 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	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK) (2024/10/26)				
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	31970	2024/02/23	2025/02/22
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	2024/10/15	2025/10/14
Preamplifier	EM Electronics corp.	EM330	60659	2024/02/17	2025/02/16
Cable-4m(9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
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-3m(10M-40G)	HUBER SUHNER	SF102	804619/2	2024/10/14	2025/10/13
Cable-1m(10M-40G)	HUBER SUHNER	SF102	804398/2	2024/10/14	2025/10/13
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass 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
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127740	2024/08/27	2025/08/26
Cable-4m(9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
Two-Line V-Network	ROHDE & SCHWARZ	ENV216	102185	2024/08/27	2025/08/26
E3	AUDIX	v8.2014-8-6	RK-000531	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	Dipole Antenna
Antenna Gain	3dBi



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

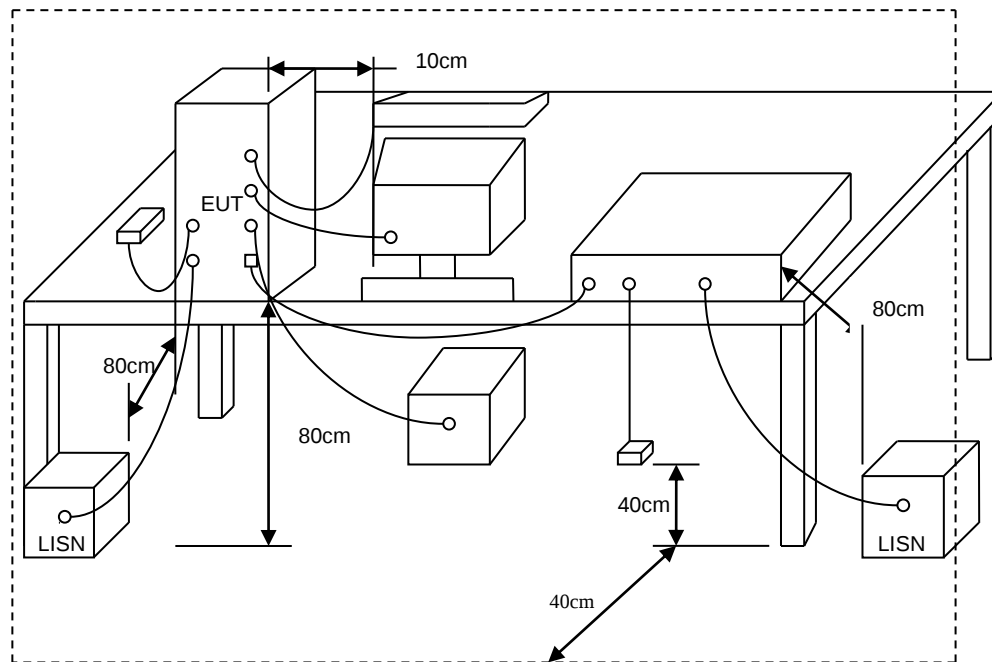
*Decreases with the logarithm of the frequency.

5.2 Test Procedures

- 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.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



5.3 Typical Test Setup





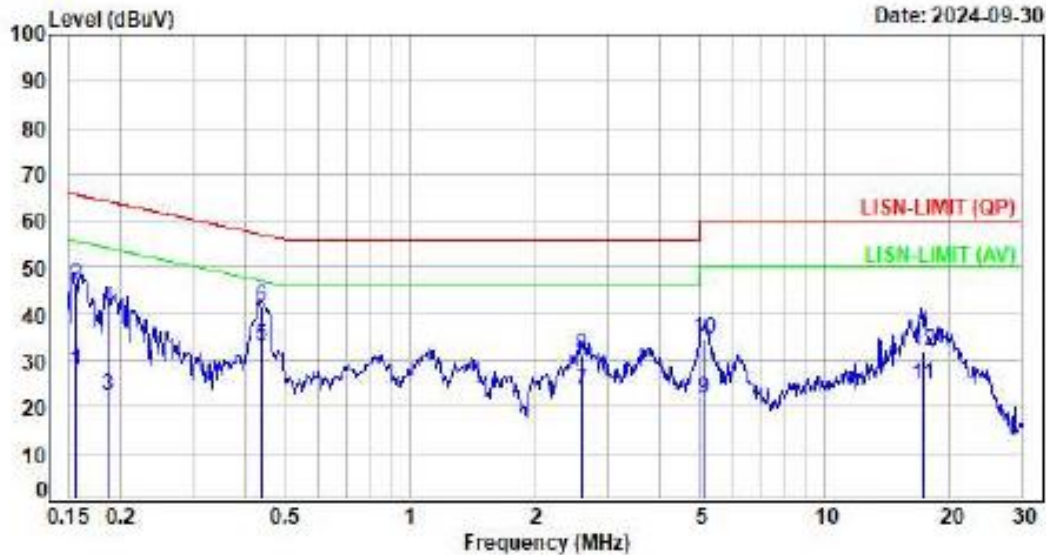
5.4 Test Result and Data

Test Mode : BLE 1TX GFSK 2440MHz 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	0.1567	9.63	18.13	27.76	55.64	-27.88	Average	P
2	0.1567	9.63	36.53	46.16	65.64	-19.48	QP	P
3	0.1868	9.63	12.84	22.47	54.18	-31.71	Average	P
4	0.1868	9.63	31.33	40.96	64.18	-23.22	QP	P
5	0.4386	9.65	23.43	33.08	47.09	-14.01	Average	P
6	0.4386	9.65	31.63	41.28	57.09	-15.81	QP	P
7	2.5875	9.70	13.81	23.51	46.00	-22.49	Average	P
8	2.5875	9.70	21.56	31.26	56.00	-24.74	QP	P
9	5.1128	9.76	11.75	21.51	50.00	-28.49	Average	P
10	5.1128	9.76	24.67	34.43	60.00	-25.57	QP	P
11	17.2367	9.89	14.66	24.55	50.00	-25.45	Average	P
12	17.2367	9.89	22.06	31.95	60.00	-28.05	QP	P

Note: Level=Reading+Factor

Margin=Level-Limit

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

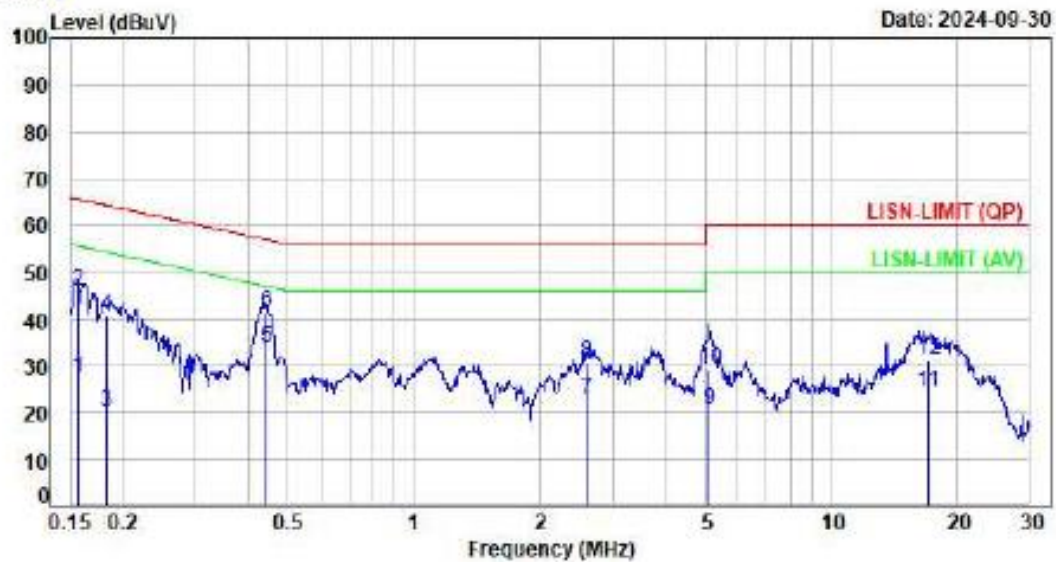


Test Mode : BLE 1TX GFSK 2440MHz 2Mbps

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	0.1561	9.61	17.86	27.47	55.67	-28.20	Average	P
2	0.1561	9.61	36.28	45.89	65.67	-19.78	QP	P
3	0.1828	9.61	18.56	28.17	54.36	-34.19	Average	P
4	0.1828	9.61	30.99	40.60	64.36	-23.76	QP	P
5	0.4411	9.62	24.22	33.84	47.04	-13.20	Average	P
6	0.4411	9.62	31.72	41.34	57.04	-15.70	QP	P
7	2.6043	9.68	13.10	22.78	46.00	-23.22	Average	P
8	2.6043	9.68	20.96	30.64	56.00	-25.36	QP	P
9	5.0982	9.74	10.63	20.37	50.00	-29.63	Average	P
10	5.0982	9.74	19.47	29.21	60.00	-30.79	QP	P
11	17.1076	9.95	14.39	24.34	50.00	-25.66	Average	P
12	17.1076	9.95	21.24	31.19	60.00	-28.81	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.

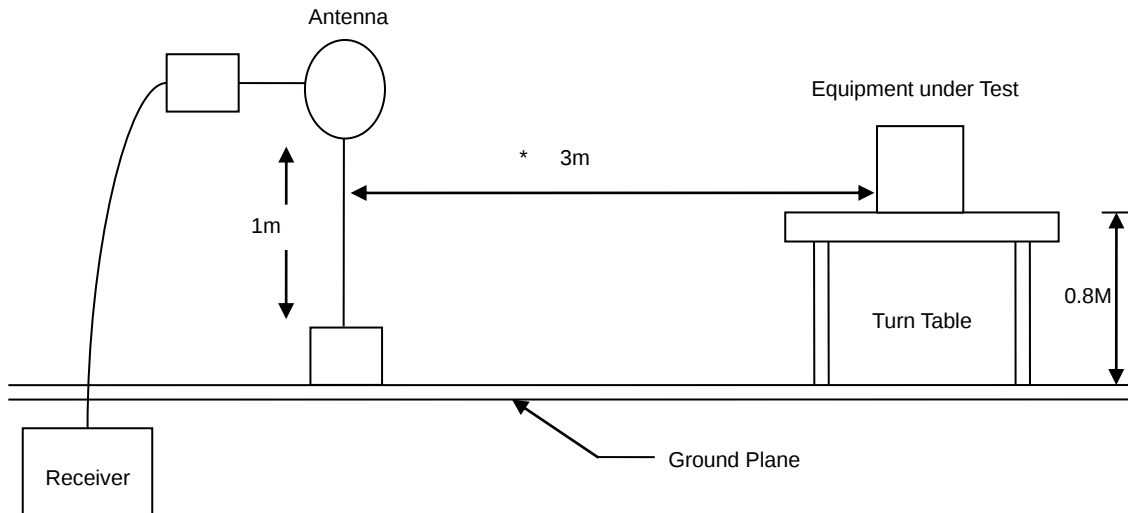
Note:

- 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.
(Y-AXIS is the worst.)
- 2.Due to the test software function limit the operation band setting(200dBuV/m).
There's no corresponding limitation in the actual test item.

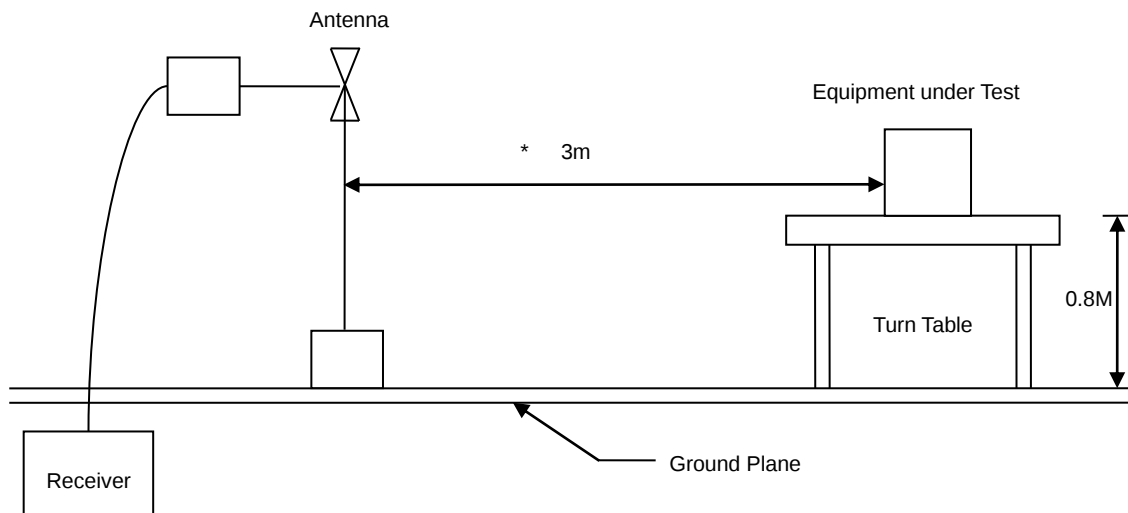


6.3 Typical Test Setup

Below 30MHz test setup

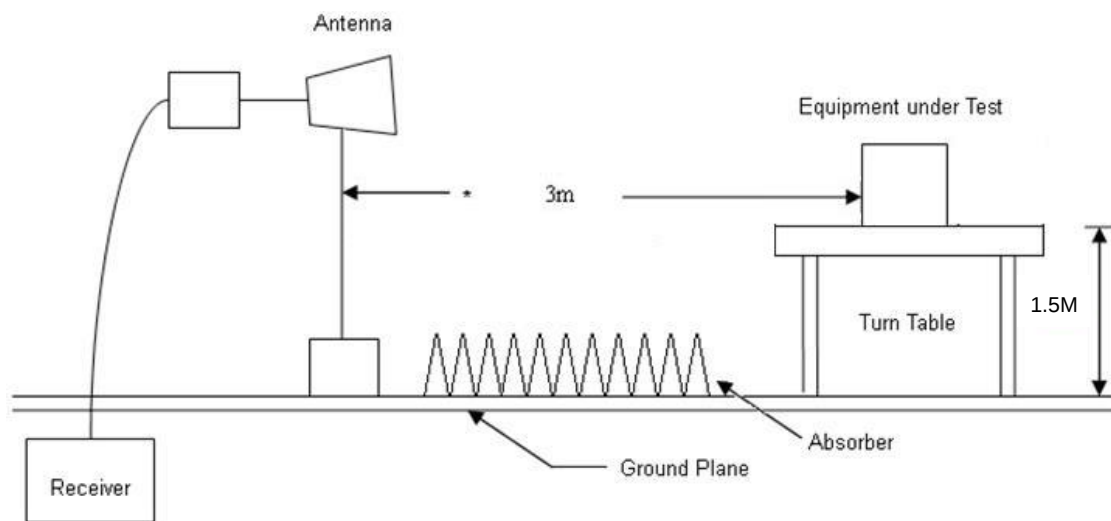


30MHz- 1GHz Test Setup





Above 1GHz Test Setup



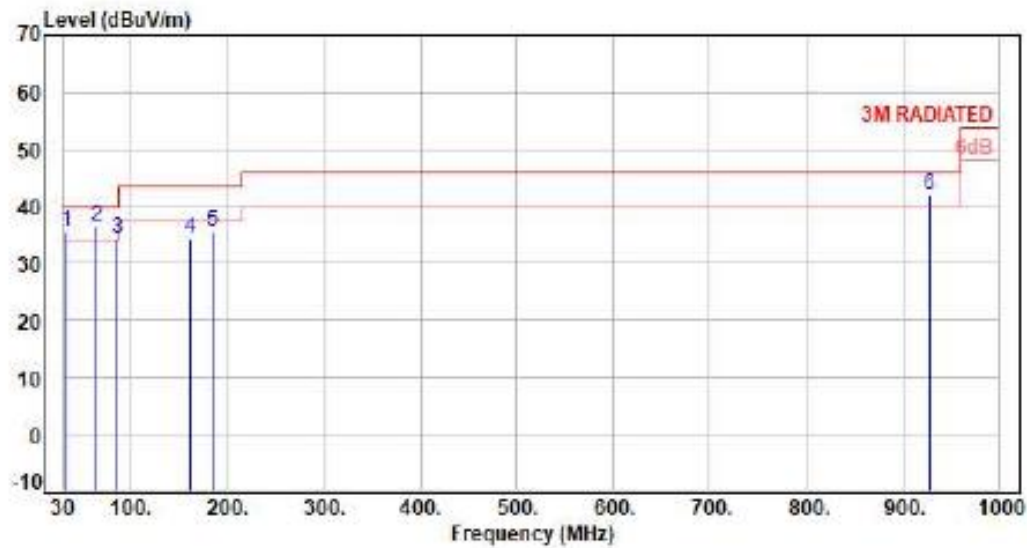


6.4 Test Result and Data (9kHz ~ 30MHz)

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

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

Test Mode : BLE 1TX CH19 1Mbps
Voltage : From Adapter(AC240V/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	34.85	-10.07	45.77	35.70	40.00	-4.30	Peak	400	0	P
2	64.92	-10.48	46.87	36.39	40.00	-3.61	QP	100	221	P
3	86.26	-15.85	50.16	34.31	40.00	-5.69	Peak	400	0	P
4	161.92	-9.47	43.99	34.52	43.50	-8.98	Peak	400	0	P
5	185.20	-11.17	46.68	35.51	43.50	-7.99	Peak	400	0	P
6	928.22	4.41	37.46	41.87	46.00	-4.13	Peak	400	0	P

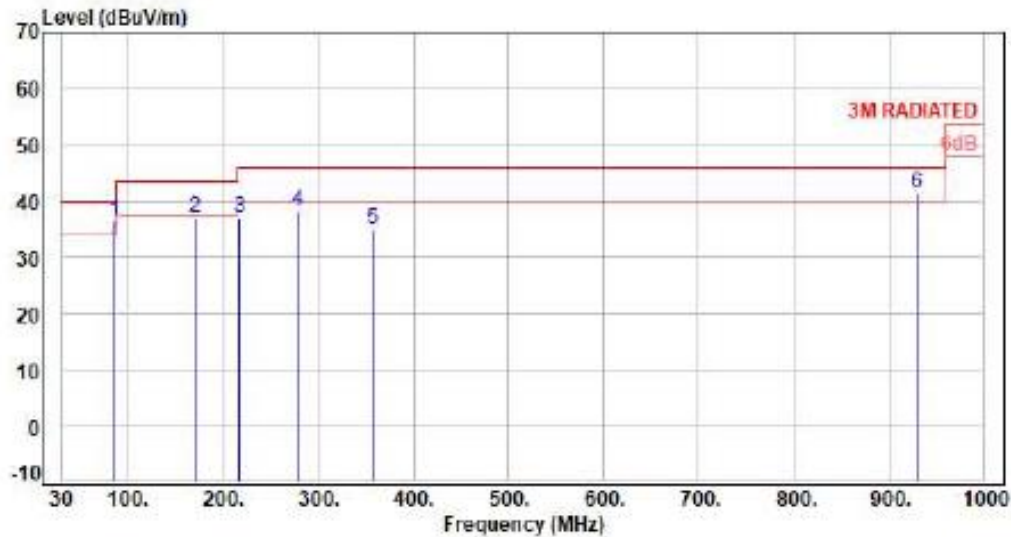
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH19 1Mbps
Voltage : From Adapter(AC240V/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	86.26	-15.85	52.40	36.55	40.00	-3.45	Peak	100	360	P
2	170.65	-9.74	46.84	37.10	43.50	-6.40	Peak	100	360	P
3	218.18	-11.92	48.96	37.04	46.00	-8.96	Peak	100	360	P
4	278.32	-9.27	47.75	38.48	46.00	-7.52	Peak	100	360	P
5	357.86	-7.03	41.99	34.96	46.00	-11.04	Peak	100	360	P
6	929.19	4.45	37.86	41.51	46.00	-4.49	Peak	100	360	P

Note: Level=Reading+Factor

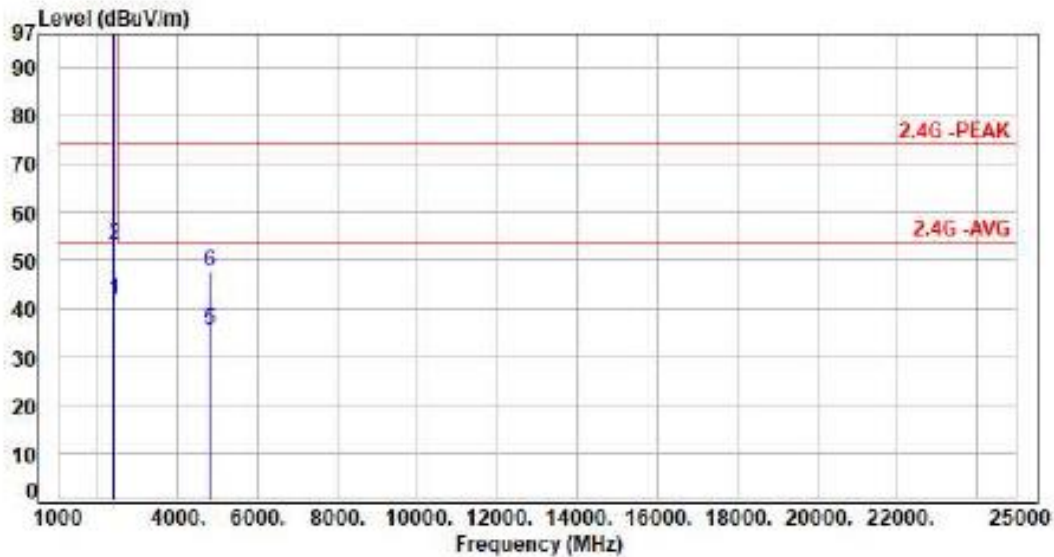
Margin=Level-Limit

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/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	43.90	41.57	54.00	-12.43	Average	218	109	P
2	2390.00	-2.33	55.26	52.93	74.00	-21.07	Peak	218	109	P
3	2402.00	-2.32	104.43	102.11	200.00	-97.89	Average	218	109	P
4	2402.00	-2.32	105.50	103.18	200.00	-96.82	Peak	218	109	P
5	4804.00	5.89	29.67	35.56	54.00	-18.44	Average	100	157	P
6	4804.00	5.89	41.76	47.65	74.00	-26.35	Peak	100	157	P

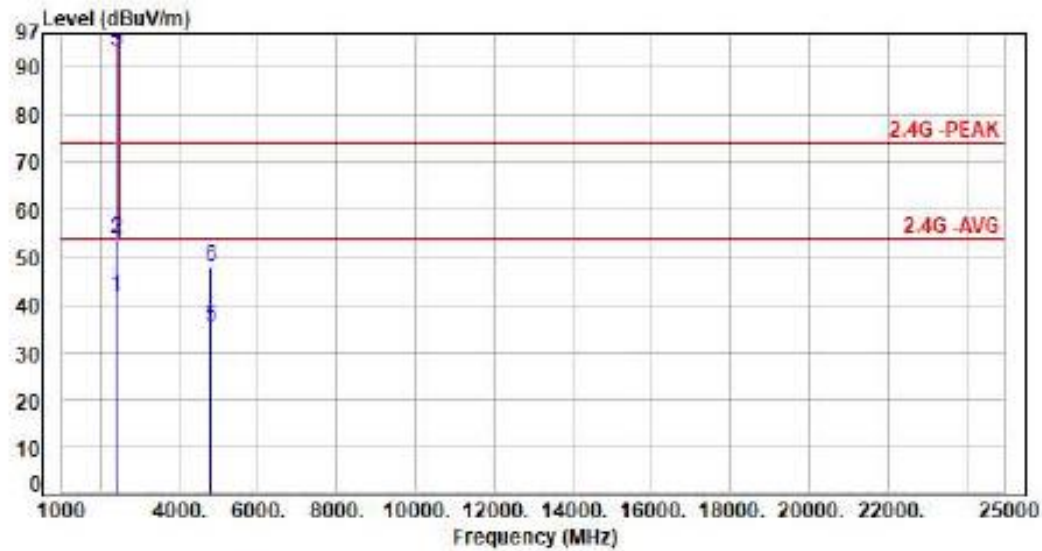
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE ITX 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	43.94	41.61	54.00	-12.39	Average	100	50	P
2	2390.00	-2.33	56.02	53.69	74.00	-20.31	Peak	100	50	P
3	2402.00	-2.32	95.51	93.19	200.00	-106.81	Average	100	50	P
4	2402.00	-2.32	96.82	94.50	200.00	-105.50	Peak	100	50	P
5	4804.00	5.89	29.49	35.38	54.00	-18.62	Average	100	223	P
6	4804.00	5.89	41.94	47.83	74.00	-26.17	Peak	100	223	P

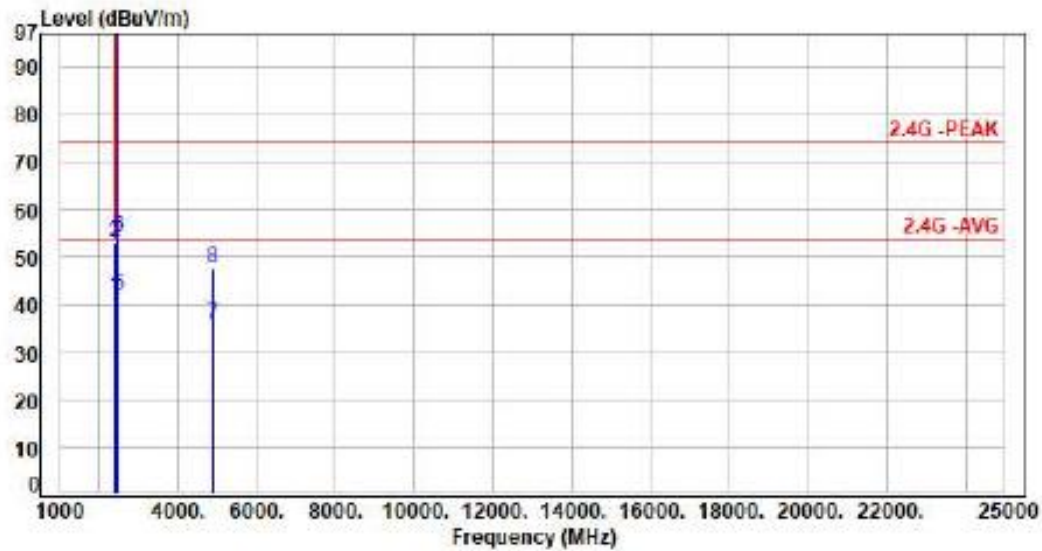
Note: Level=Reading+Factor

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	43.99	41.66	54.00	-12.34	Average	236	190	P
2	2390.00	-2.33	55.57	53.24	74.00	-20.76	Peak	236	190	P
3	2440.00	-2.16	105.65	103.49	200.00	-96.51	Average	236	190	P
4	2440.00	-2.16	106.71	104.55	200.00	-95.45	Peak	236	190	P
5	2483.50	-2.01	44.05	42.04	54.00	-11.96	Average	236	190	P
6	2483.50	-2.01	56.31	54.30	74.00	-19.70	Peak	236	190	P
7	4680.00	6.12	29.58	35.70	54.00	-18.30	Average	100	156	P
8	4680.00	6.12	41.64	47.76	74.00	-26.24	Peak	100	156	P

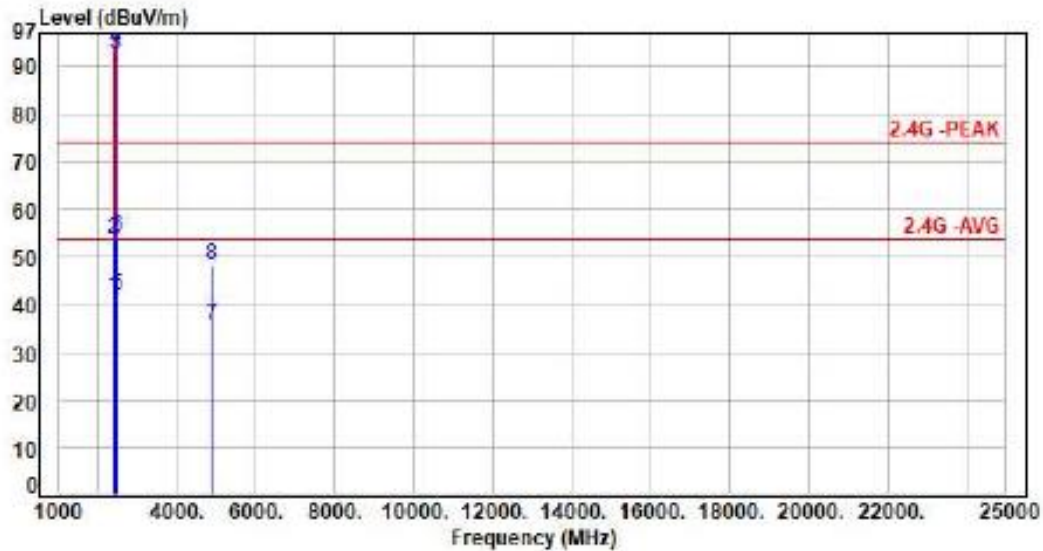
Note: Level=Reading+Factor

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 (deg)	P/F
1	2390.00	-2.33	43.95	41.62	54.00	-12.38	Average	128	39	P
2	2390.00	-2.33	56.07	53.74	74.00	-20.26	Peak	128	39	P
3	2440.00	-2.16	94.69	91.53	200.00	-107.47	Average	128	39	P
4	2440.00	-2.16	95.74	93.58	200.00	-106.42	Peak	128	39	P
5	2483.50	-2.01	44.06	42.05	54.00	-11.95	Average	128	39	P
6	2483.50	-2.01	56.32	54.31	74.00	-19.69	Peak	128	39	P
7	4880.00	6.12	29.55	35.67	54.00	-18.33	Average	100	224	P
8	4880.00	6.12	42.24	48.36	74.00	-25.64	Peak	100	224	P

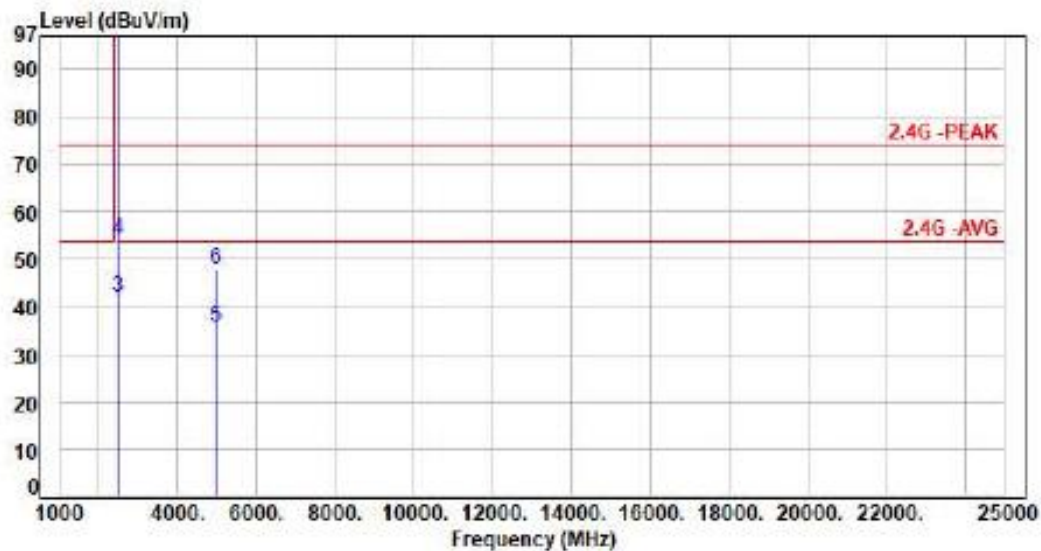
Note: Level=Reading+Factor

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	-2.01	103.96	101.95	200.00	-98.05	Average	214	360	P
2	2480.00	-2.01	105.02	103.01	200.00	-96.99	Peak	214	360	P
3	2483.50	-2.01	44.10	42.09	54.00	-11.91	Average	214	360	P
4	2483.50	-2.01	56.25	54.24	74.00	-19.76	Peak	214	360	P
5	4960.00	6.37	29.43	35.80	54.00	-18.20	Average	100	151	P
6	4960.00	6.37	41.71	48.08	74.00	-25.92	Peak	100	151	P

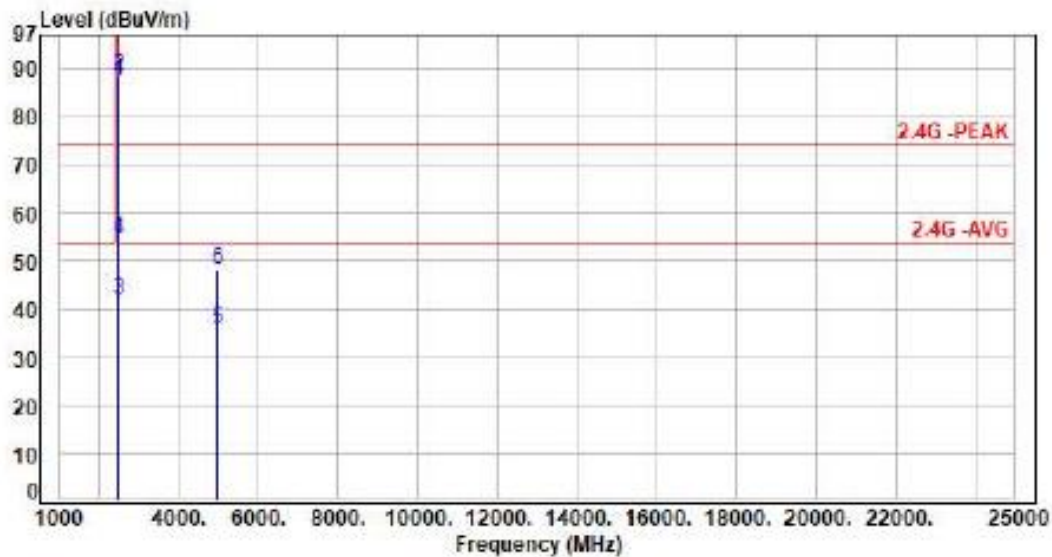
Note: Level=Reading+Factor

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	89.52	87.51	200.00	-112.49	Average	318	51	P
2	2480.00	-2.01	90.64	88.63	200.00	-111.37	Peak	318	51	P
3	2483.50	-2.01	44.19	42.18	54.00	-11.82	Average	318	51	P
4	2483.50	-2.01	56.54	54.53	74.00	-19.47	Peak	318	51	P
5	4960.00	6.37	29.34	35.71	54.00	-18.29	Average	100	226	P
6	4960.00	6.37	42.02	48.39	74.00	-25.61	Peak	100	226	P

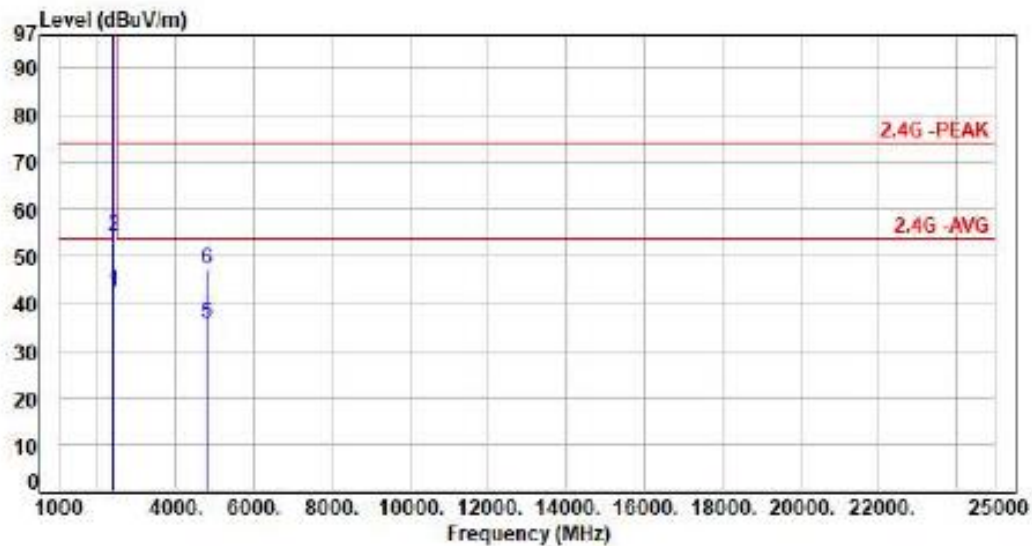
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE 1TX CH00 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : 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	44.73	42.40	54.00	-11.60	Average	188	203	P
2	2390.00	-2.33	56.43	54.10	74.00	-19.90	Peak	188	203	P
3	2402.00	-2.32	102.77	100.45	200.00	-99.55	Average	188	203	P
4	2402.00	-2.32	105.65	103.33	200.00	-96.67	Peak	188	203	P
5	4804.00	5.89	30.03	35.92	54.00	-18.08	Average	100	158	P
6	4804.00	5.89	41.40	47.29	74.00	-26.71	Peak	100	158	P

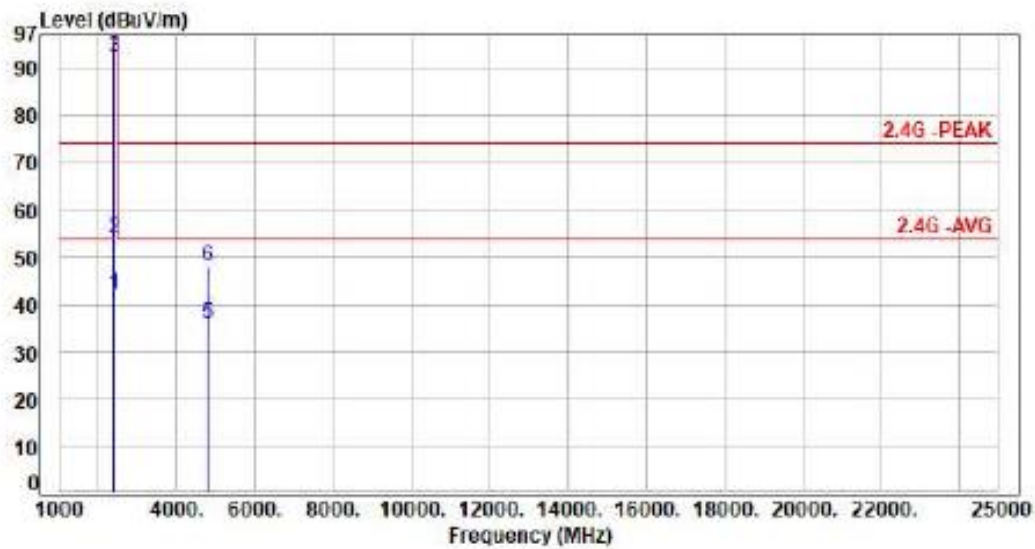
Note: Level=Reading+Factor

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 (deg)	P/F
1	2398.00	-2.33	44.33	42.00	54.00	-12.00	Average	308	50	P
2	2398.00	-2.33	56.04	53.71	74.00	-20.29	Peak	308	50	P
3	2402.00	-2.32	94.36	92.04	200.00	-107.96	Average	308	50	P
4	2402.00	-2.32	97.09	94.77	200.00	-105.23	Peak	308	50	P
5	4804.00	5.89	29.95	35.84	54.00	-18.16	Average	100	223	P
6	4804.00	5.89	42.08	47.97	74.00	-26.03	Peak	100	223	P

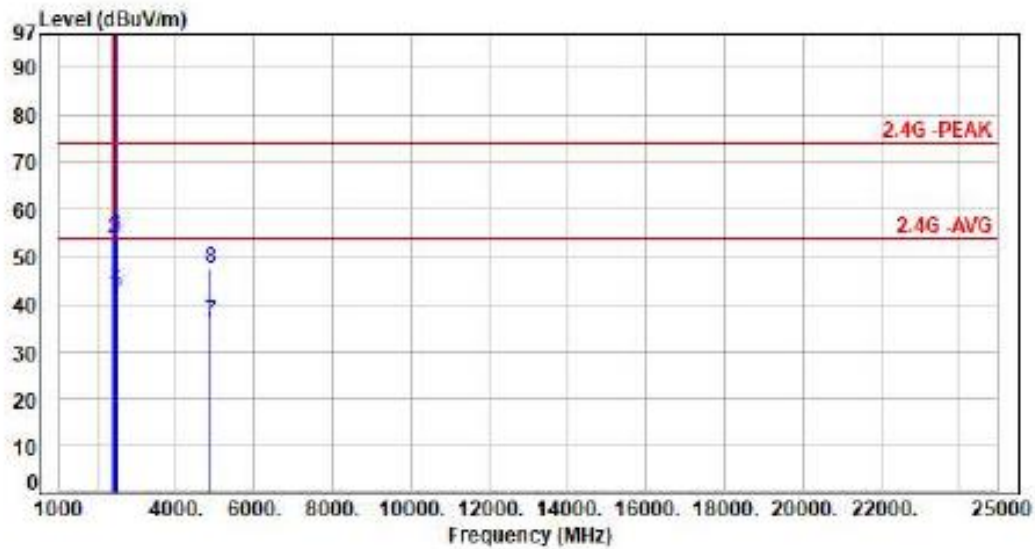
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BLE ITX 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	44.45	42.12	54.00	-11.88	Average	237	191	P
2	2390.00	-2.33	56.13	53.80	74.00	-20.20	Peak	237	191	P
3	2440.00	-2.16	103.82	101.66	200.00	-98.34	Average	237	191	P
4	2440.00	-2.16	106.60	104.44	200.00	-95.56	Peak	237	191	P
5	2483.50	-2.01	44.50	42.49	54.00	-11.51	Average	237	191	P
6	2483.50	-2.01	56.17	54.16	74.00	-19.84	Peak	237	191	P
7	4880.00	6.12	29.89	36.01	54.00	-17.99	Average	100	157	P
8	4880.00	6.12	41.44	47.56	74.00	-26.44	Peak	100	157	P

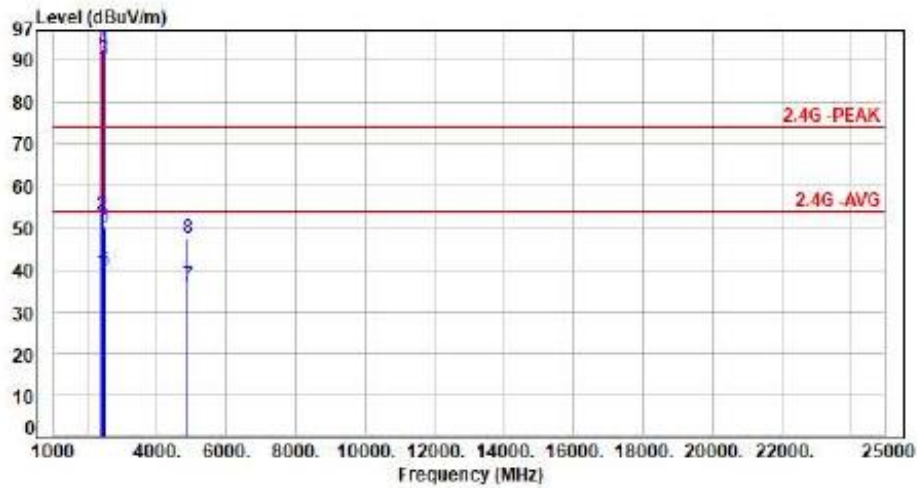
Note: Level=Reading+Factor

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 (deg)	P/F
1	2390.00	-2.33	41.85	39.52	54.00	-14.48	Average	100	38	P
2	2390.00	-2.33	55.42	53.09	74.00	-20.91	Peak	100	38	P
3	2440.00	-2.16	92.09	89.93	200.00	-110.07	Average	100	38	P
4	2440.00	-2.16	94.70	92.54	200.00	-107.46	Peak	100	38	P
5	2483.50	-2.01	41.62	39.61	54.00	-14.39	Average	100	38	P
6	2483.50	-2.01	52.18	50.17	74.00	-23.83	Peak	100	38	P
7	4880.00	6.12	29.97	36.09	54.00	-17.91	Average	100	225	P
8	4880.00	6.12	41.49	47.61	74.00	-26.39	Peak	100	225	P

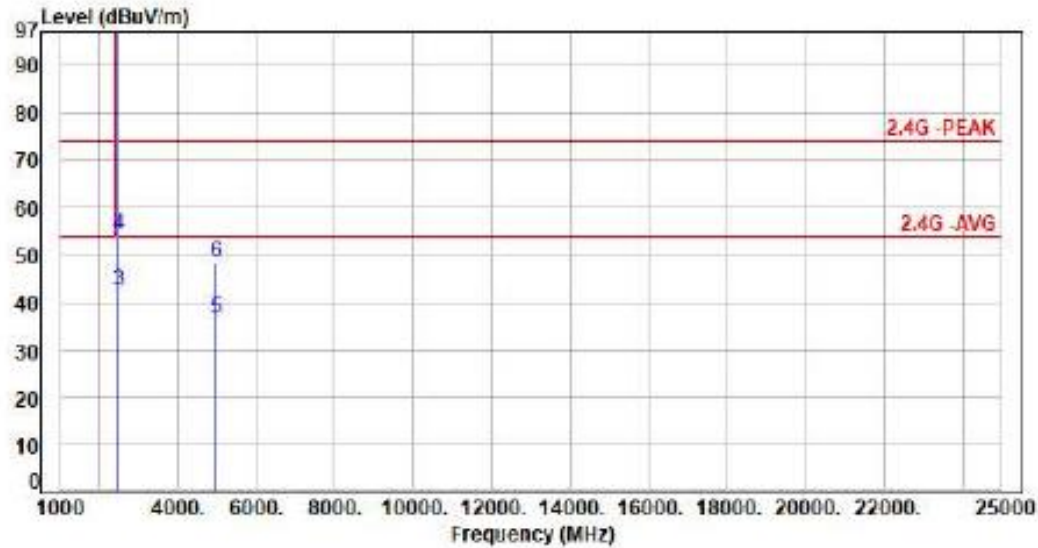
Note: Level=Reading+Factor

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	100.33	98.32	200.00	-101.68	Average	260	341	P
2	2480.00	-2.01	103.14	101.13	200.00	-98.87	Peak	260	341	P
3	2483.50	-2.01	44.48	42.47	54.00	-11.53	Average	260	341	P
4	2483.50	-2.01	56.07	54.06	74.00	-19.94	Peak	260	341	P
5	4960.00	6.37	29.99	36.36	54.00	-17.64	Average	100	157	P
6	4960.00	6.37	42.00	48.37	74.00	-25.63	Peak	100	157	P

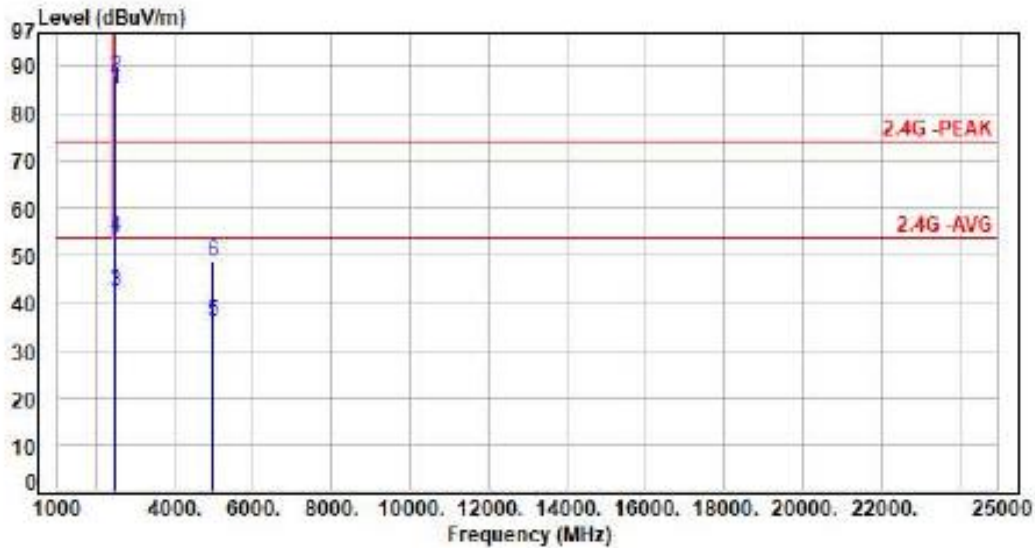
Note: Level=Reading+Factor

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	87.12	85.11	200.00	-114.89	Average	317	50	P
2	2480.00	-2.01	89.64	87.63	200.00	-112.37	Peak	317	50	P
3	2483.50	-2.01	44.29	42.28	54.00	-11.72	Average	317	50	P
4	2483.50	-2.01	55.86	53.85	74.00	-20.15	Peak	317	50	P
5	4960.00	6.37	29.95	36.32	54.00	-17.68	Average	100	223	P
6	4960.00	6.37	42.21	48.58	74.00	-25.42	Peak	100	223	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

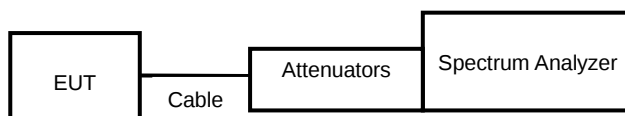
Below –30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

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

- The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 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.
- 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.
- The band edges was measured and recorded.

7.3 Test Setup Layout

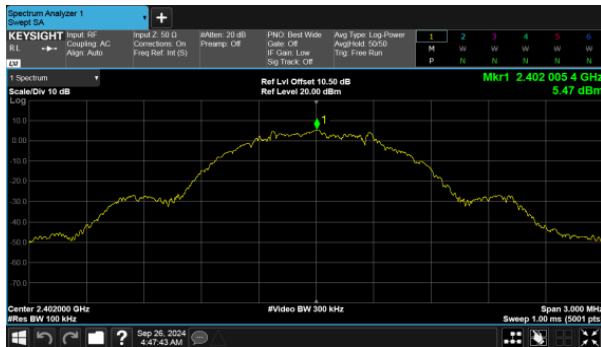


7.4 Test Result and Data

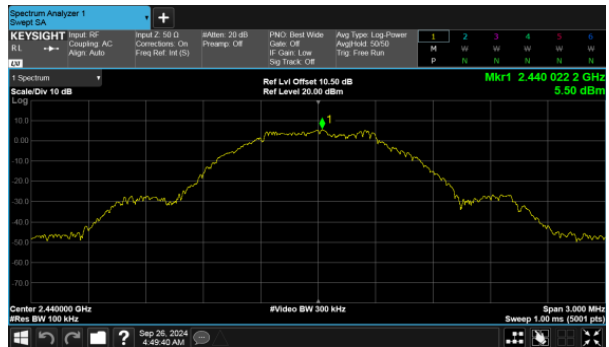
Note: Test plots refer to the following pages.



Modulation Type: GFSK(1Mbps)
CH00

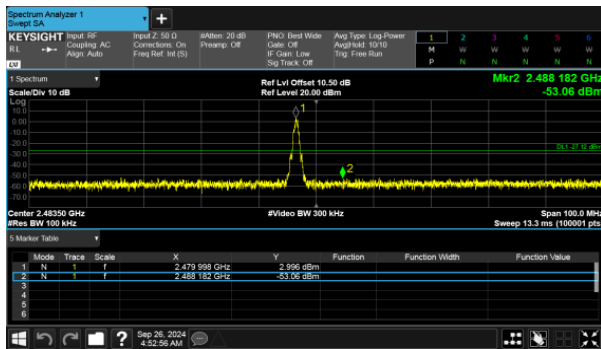
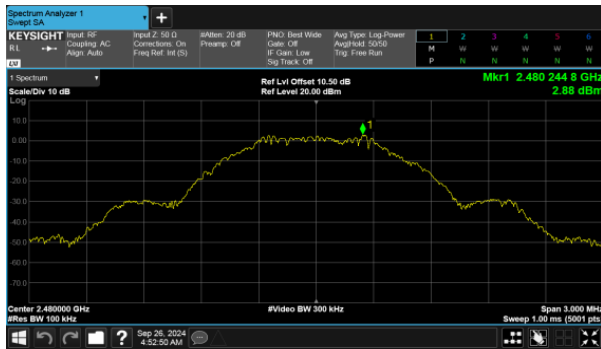


Modulation Type: GFSK(1Mbps)
CH19



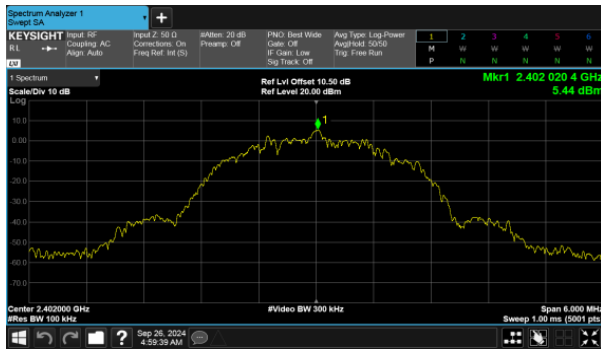


Modulation Type: GFSK(1Mbps)
CH39

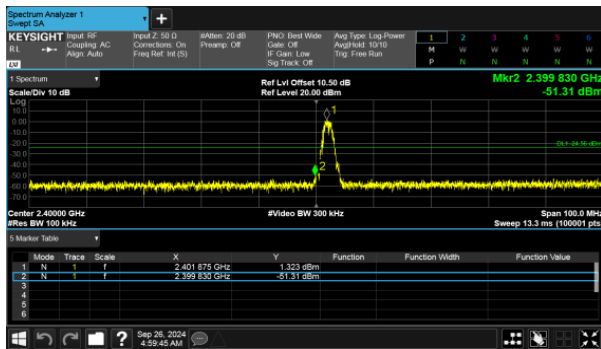
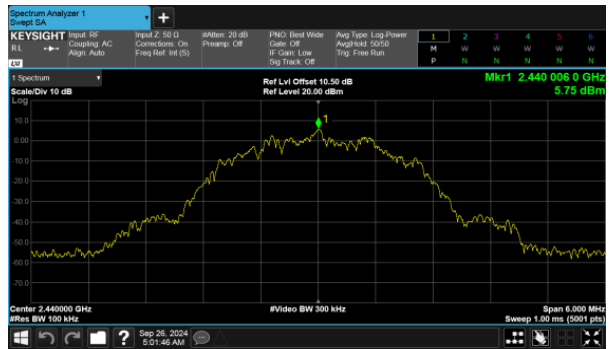




Modulation Type: GFSK(2Mbps)
CH00

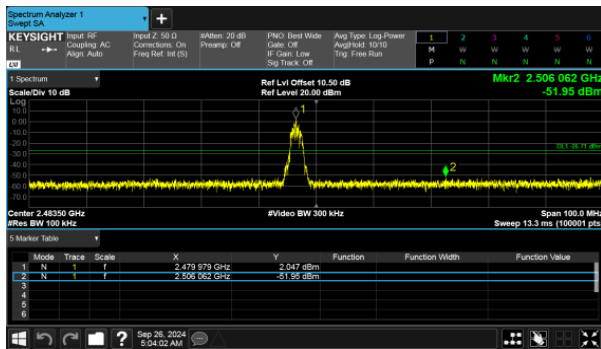
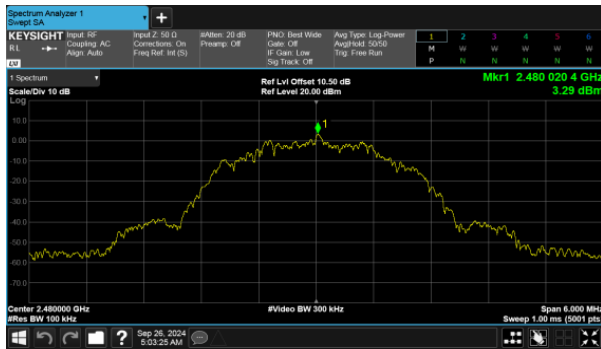


Modulation Type: GFSK(2Mbps)
CH19





Modulation Type: GFSK(2Mbps)
CH39





8. On Time, Duty Cycle and Measurement methods

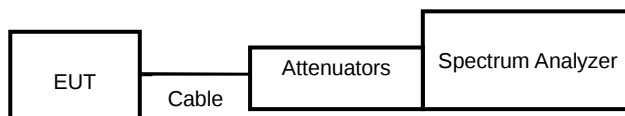
8.1 Test Limit

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

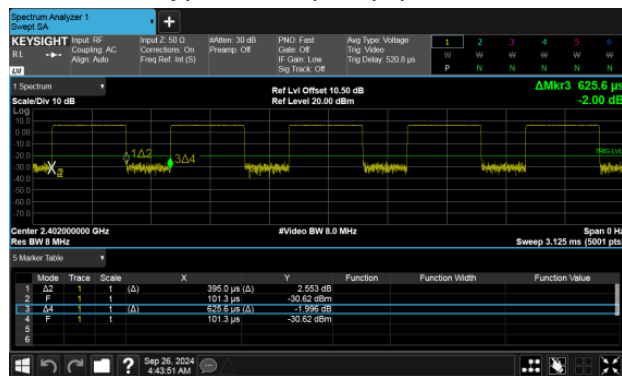


8.4 Test Result and Data

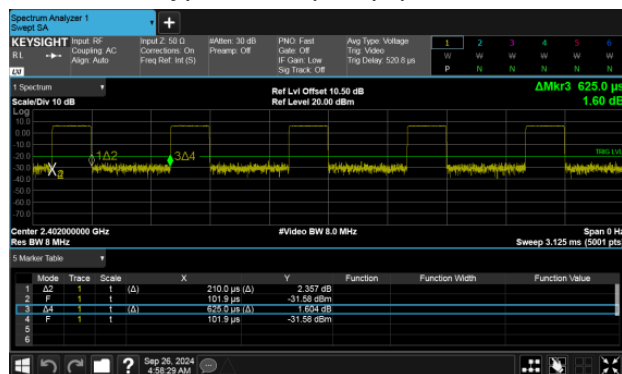
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
GFSK(1MBps)	0.395	0.626	63.14%
GFSK(2MBps)	0.210	0.625	33.60%



Modulation Type: GFSK(1Mbps)



Modulation Type: GFSK(2Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

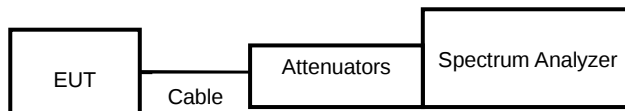
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

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

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

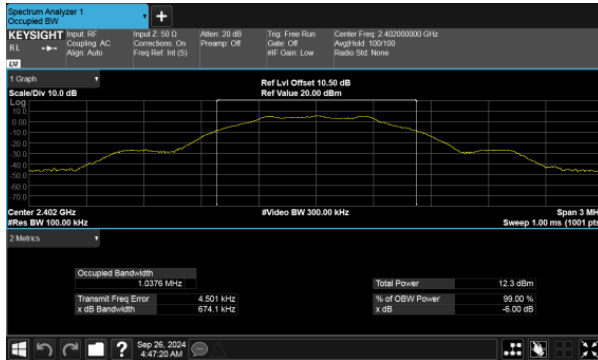
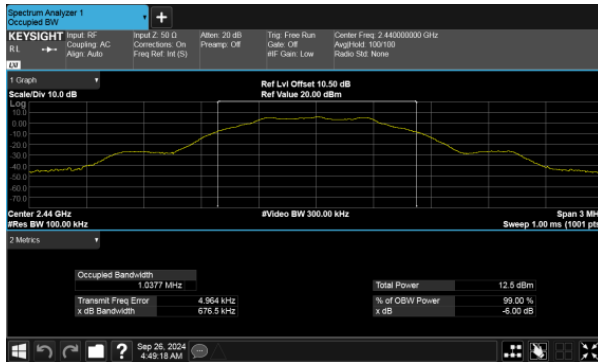
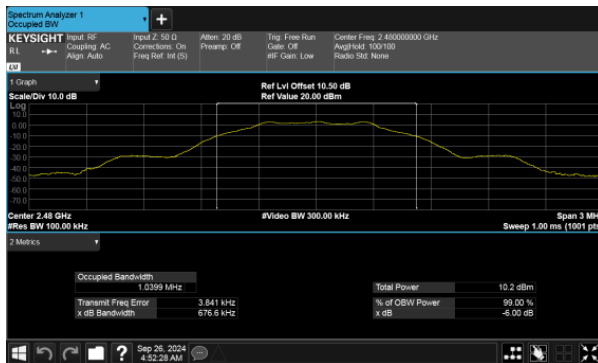
9.3 Test Setup Layout



9.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Limit (KHz)
GFSK(1Mbps)	0	2402	674.10	500
	19	2440	676.50	500
	39	2480	676.60	500

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Limit (KHz)
GFSK(2Mbps)	0	2402	1155.00	500
	19	2440	1169.00	500
	39	2480	1168.00	500

Modulation Type: GFSK(1Mbps)
CH00Modulation Type: GFSK(2Mbps)
CH00Modulation Type: GFSK(1Mbps)
CH19Modulation Type: GFSK(2Mbps)
CH19Modulation Type: GFSK(1Mbps)
CH39Modulation Type: GFSK(2Mbps)
CH39



10. Maximum Average Output Power

10.1 Test Limit

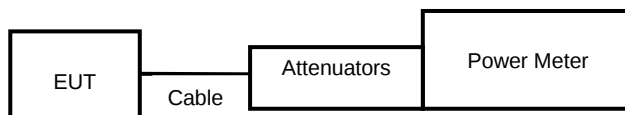
The Maximum Output Power Measurement is 30dBm.

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	6.11	4.083
Default		19	2440	6.21	4.178
Default		39	2480	3.87	2.438

BT5(2M bps)

Conducted Setting	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
Default	GFSK	0	2402	6.1	4.074
Default		19	2440	6.2	4.169
Default		39	2480	3.88	2.443



11. Power Spectral Density

11.1 Test Limit

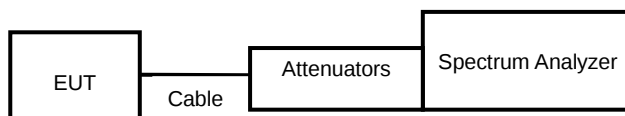
The Maximum of Power Spectral Density Measurement is 8dBm.

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

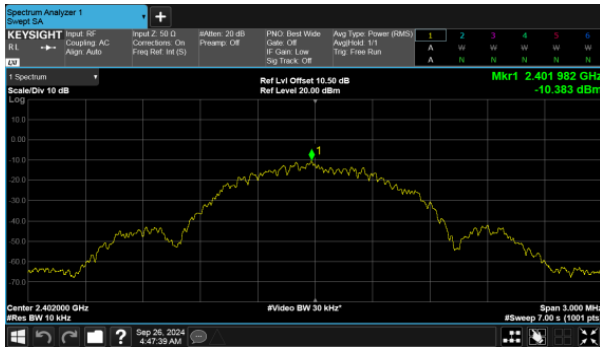
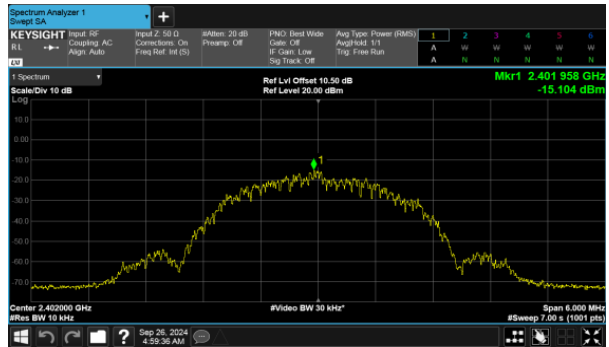
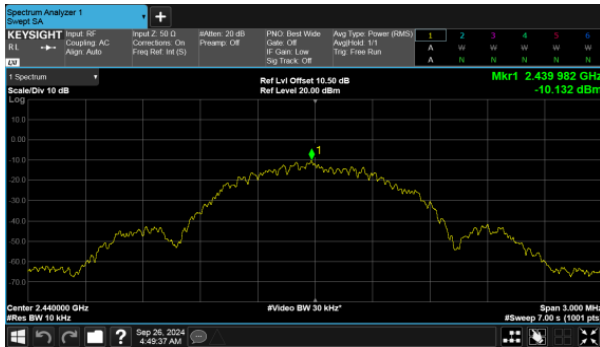
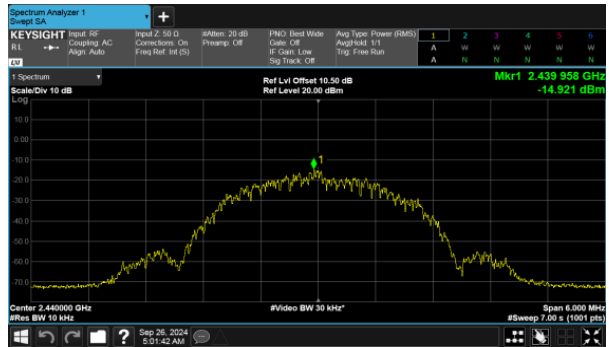
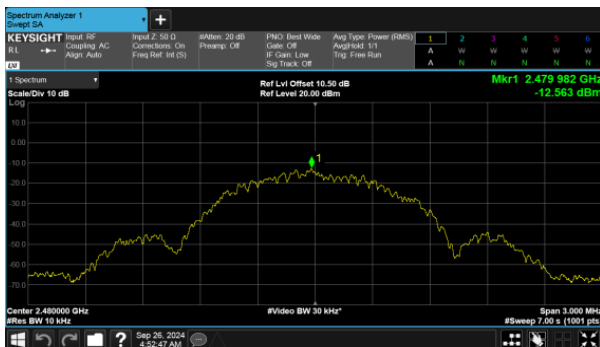
11.3 Test Setup Layout



**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	-10.383	2.00	-8.39	8.00
	19	2440	-10.132	2.00	-8.14	8.00
	39	2480	-12.563	2.00	-10.57	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	-15.104	4.74	-10.37	8.00
	19	2440	-14.921	4.74	-10.18	8.00
	39	2480	-17.226	4.74	-12.49	8.00

Modulation Type: GFSK(1Mbps)
CH00Modulation Type: GFSK(2Mbps)
CH00Modulation Type: GFSK(1Mbps)
CH19Modulation Type: GFSK(2Mbps)
CH19Modulation Type: GFSK(1Mbps)
CH39Modulation Type: GFSK(2Mbps)
CH39