



FCC RADIO TEST REPORT

Applicant : Acer Incorporated

Address : 8F, 88, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei
City, 22181, Taiwan

Equipment : Notebook Computer

Model No. : N26ED1*** (* can be 0-9, a-z, A-Z, "(", ")", "-", "/", "\",
"_" or blank for the marketing purpose)

Marketing Name : AL16-63P, AL16-63T, AL16-64P, AL16-64T,
AL16-57P

Trade Name : Acer

FCC ID : 2BFLD-CDW61852BE00

I HEREBY CERTIFY THAT :

The sample was received on Apr. 16, 2026 and the testing was completed on Jun. 01, 2026 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
26040238-TRFCC01	Jun. 05, 2026	Original



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024

FCC Rules and Regulations Part 15 Subpart C §15.247

FCC Rule	Description of Test	Result
15.207	. AC Power Line Conducted Emission	PASS
15.209 15.205	. Radiated Spurious Emission	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.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report(26040238-TEFV01).



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Operation Frequency Range	BT / BLE: 2400-2483.5MHz 2.4GHz: 802.11b/g/n/ax: 2400-2483.5MHz 5GHz: 802.11a/n/ac/ax: 5150-5250MHz, 5725-5850MHz
Center Frequency Range	BT / BLE: 2402MHz-2480MHz 2.4GHz: 802.11b/g/n/ax: 2412MHz-2472MHz 5GHz: 802.11a/n/ac/ax: 5180-5240MHz, 5745-5825MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 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: 1Mbps, 2Mbps 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, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80
Antenna Type	FPC Antenna
Antenna Gain	For BT/BLE: 2400-2483.5MHz: ANT Aux: 1.93dBi For WLAN: 2400-2483.5MHz: ANT Main: 1.20dB, ANT Aux: 1.93dBi 5150-5250MHz: ANT Main: 0.42dBi, ANT Aux: 2.10dBi 5725-5850MHz: ANT Main: 0.67dBi, ANT Aux: 1.95dBi

Note:

1. EUT support TPC Function.
2. EUT support Client mode without radar detection.
3. For more details, please refer to the User's manual of the EUT.



The devices can be installed inside the EUT are listed below (For this M/B with AMD CPU):

Component	Vendor	Description
M/B	UMA	EM_AKK327_441B
CPU	AMD	Product Description of Processor Manufacturer and Max Speed up to and include 2GHz.
Panel	K&D	KD160YYYYY (Y=0-9, A-Z or blank)
	CSOT	MNG007YYYYY (Y=0-9, A-Z or blank)
Memory		On board
SSD		Up to 1024GB
Battery		One re-chargeable battery pack
WLAN	Realtek	CDW-61852BE-00
Camera		HD Camera
Adapter	DELTA	ADP-65KE D
	LITE-ON	PA-1650-58
	CHICONY	A20-065N3A

- * Test Model: 1. For Model No: N26ED1, Marketing Name: AL16-63P (RF Module: CDW-61852BE-00)
2. Test Panel: CSOT \ MNG007QS2-3 is worst case.
3. Test Adapter : CHICONY/ A20-065N3A is worst case.

The I/O ports are listed below:

I/O Port Type	Quantity
HDMI Port	one
Type-C Port	two
USB 3.0 Port	two
Audio	one
Micro SD Slot	one

2.2 The Difference of Model No.

The differences between model numbers is marketing purpose.



2.3 Carrier Frequency of Channes

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
*00	2402	20	2422	40	2442	60	2462
01	2403	21	2423	41	2443	61	2463
02	2404	22	2424	42	2444	62	2464
03	2405	23	2425	43	2445	63	2465
04	2406	24	2426	44	2446	64	2466
05	2407	25	2427	45	2447	65	2467
06	2408	26	2428	46	2448	66	2468
07	2409	27	2429	47	2449	67	2469
08	2410	28	2430	48	2450	68	2470
09	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	*78	2480
19	2421	*39	2441	59	2461	---	---

Note: Channels remarked * are selected to perform test.



2.4 Test Mode & 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, "Ax series Mp toolkit ver. 1.0.73" 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	8DPSK (3Mbps),From Adapter ,TX Mode
Radiation Emissions (Below 1GHz)	
Test Mode	Operating Description
1	8DPSK (3Mbps),From Adapter ,TX Mode

Note:

1 .There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.
For AC Power Line Conducted Emission, AC 120V / 60Hz is worst case.
For Radiated Spurious Emission(Below 1GHz), AC 120V / 60Hz is worst case.

Modulation Type	TX CONFIGURATION
GFSK	1TX
$\pi/4$ -DQPSK	1TX
8DPSK	1TX

2.5 Description of Test System

N/A



2.6 General Information of Test

Organization	Cerpass Technology Corp.		
☒ 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	
	ISED Company Number	4934E	
	ISED CAB identifier	TW1439	
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	2026/04/24	25.4℃ / 48%	Bart Tsai
Radiated Emissions	3M03-NK	2026/06/01	23.3℃ / 60%	Leon Huang



2.7 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)	$\pm 3.2\text{dB}$
Radiated Spurious Emission(9KHz~30MHz)	$\pm 3.4\text{dB}$
Radiated Spurious Emission(30MHz~1GHz)	$\pm 5.2\text{dB}$
Radiated Spurious Emission(1GHz~40GHz)	$\pm 5.2\text{dB}$



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M03-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Sunol	JB1	A020514-1	2025/06/11	2026/06/10
Active Loop Antenna	Schwarzbeck	FMZB 1513	00414	2026/02/04	2027/02/03
Horn Antenna	EMCO	3116	31974	2025/10/07	2026/10/06
Horn Antenna	EMCO	3115	00031589	2026/03/11	2027/03/10
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2025/06/10	2026/06/09
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2025/07/10	2026/07/09
Preamplifier	EMC INSTRUMENTS	EMC118A45V1SEE	981070	2026/04/02	2027/04/01
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2025/10/13	2026/10/12
Preamplifier	EM Electronics corp.	EM330	060659	2025/12/18	2026/12/17
Cable-4m(9k-3G)	EMEC	RG-223	18274M	2025/07/02	2026/07/01
Cable-0.5m(1G-18G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2026/03/09	2027/03/08
Cable-3m(1G-18G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2026/03/09	2027/03/08
Cable-3m(10M-40G)	HUBER SUHNER	SF102	804619/2	2025/10/13	2026/10/12
Cable-1m(10M-40G)	HUBER SUHNER	SF102	804398/2	2025/10/13	2026/10/12
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2026/03/09	2027/03/08
Cable-4m(30M-1G)	HUBER SUHNER	RG-214	02953M	2025/07/11	2026/07/10
Cable-1m(30M-1G)	HUBER SUHNER	RG-214	05094M	2025/07/11	2026/07/10
Cable-9m(30M-1G)	HUBER SUHNER	RG-214	00402M	2025/07/11	2026/07/10
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	Warison	WFIL-H3000-18000F-03	WR377WC2 B1	2025/10/15	2026/10/14
Highpass Filter	WOKEN	WFIL-H7000-18000F-01	WR377WC2 B2	2025/10/15	2026/10/14

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200207	2026/04/01	2027/03/31
Power Meter	Anritsu	ML2495A	1224005	2026/01/27	2027/01/26
Power Sensor	Anritsu	MA2411B	1207295	2026/01/27	2027/01/26
Attenuator	KEYSIGHT	8491B	MY39250703	2026/01/29	2027/01/28



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	FPC Antenna
Antenna Gain	1.93 dBi



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 C63.10-2020+Cor.1-2023 and ANSI C63.10a-2024. 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

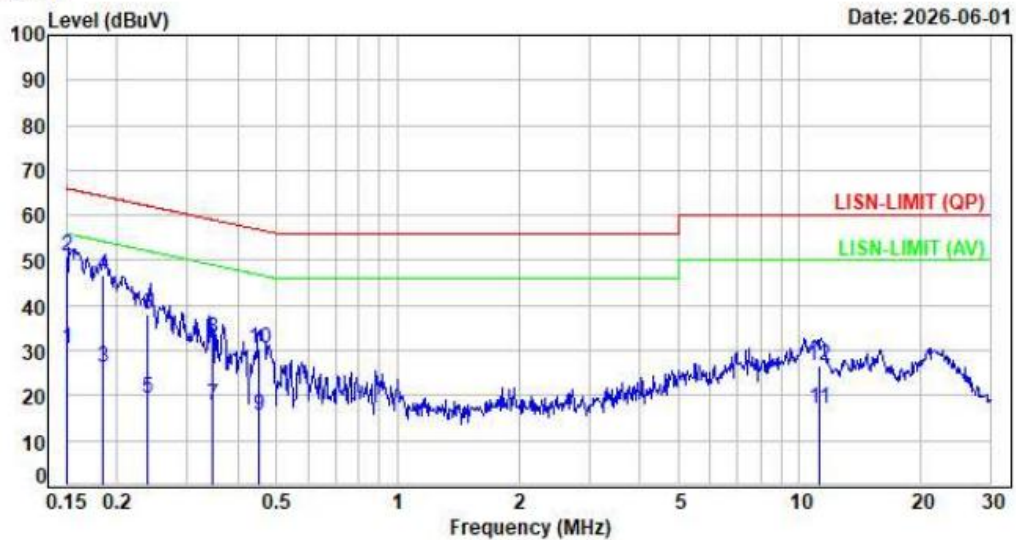
- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- 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.



5.4 Test Result and Data

Test Mode : BT 1TX CH 78 3Mbps
Voltage : From System(AC 120V/60Hz)
Phase : Line

Data: 1



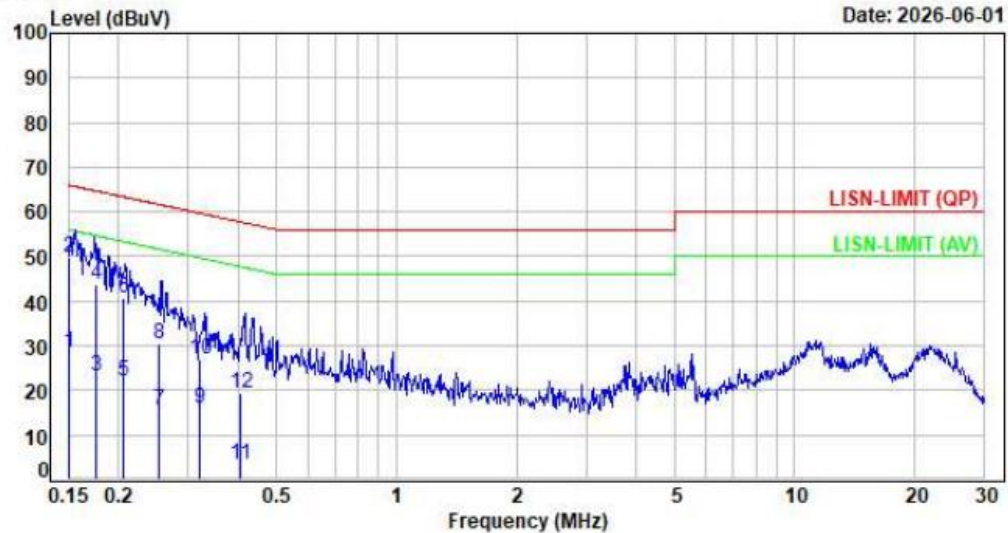
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1505	9.78	20.78	30.56	55.97	-25.41	Average	P
2	0.1505	9.78	41.25	51.03	65.97	-14.94	QP	P
3	0.1844	9.79	16.34	26.13	54.29	-28.16	Average	P
4	0.1844	9.79	37.08	46.87	64.29	-17.42	QP	P
5	0.2392	9.79	9.69	19.48	52.12	-32.64	Average	P
6	0.2392	9.79	28.28	38.07	62.12	-24.05	QP	P
7	0.3476	9.79	8.00	17.79	49.02	-31.23	Average	P
8	0.3476	9.79	23.00	32.79	59.02	-26.23	QP	P
9	0.4503	9.79	5.64	15.43	46.87	-31.44	Average	P
10	0.4503	9.79	20.70	30.49	56.87	-26.38	QP	P
11	11.1617	10.04	6.91	16.95	50.00	-33.05	Average	P
12	11.1617	10.04	16.39	26.43	60.00	-33.57	QP	P

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



Test Mode : BT 1TX CH 78 3Mbps
Voltage : From System(AC 120V/60Hz)
Phase : Neutral

Data: 2



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1510	9.79	18.74	28.53	55.94	-27.41	Average	P
2	0.1510	9.79	40.00	49.79	65.94	-16.15	QP	P
3	0.1752	9.80	13.44	23.24	54.71	-31.47	Average	P
4	0.1752	9.80	33.95	43.75	64.71	-20.96	QP	P
5	0.2056	9.80	12.25	22.05	53.38	-31.33	Average	P
6	0.2056	9.80	30.73	40.53	63.38	-22.85	QP	P
7	0.2523	9.80	5.70	15.50	51.68	-36.18	Average	P
8	0.2523	9.80	20.52	30.32	61.68	-31.36	QP	P
9	0.3208	9.79	6.26	16.05	49.68	-33.63	Average	P
10	0.3208	9.79	17.05	26.84	59.68	-32.84	QP	P
11	0.4055	9.80	-6.28	3.52	47.74	-44.22	Average	P
12	0.4055	9.80	9.53	19.33	57.74	-38.41	QP	P

Note: Level=Reading+Factor

Margin=Level-Limit

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



6. Test of Radiated Spurious Emission

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.

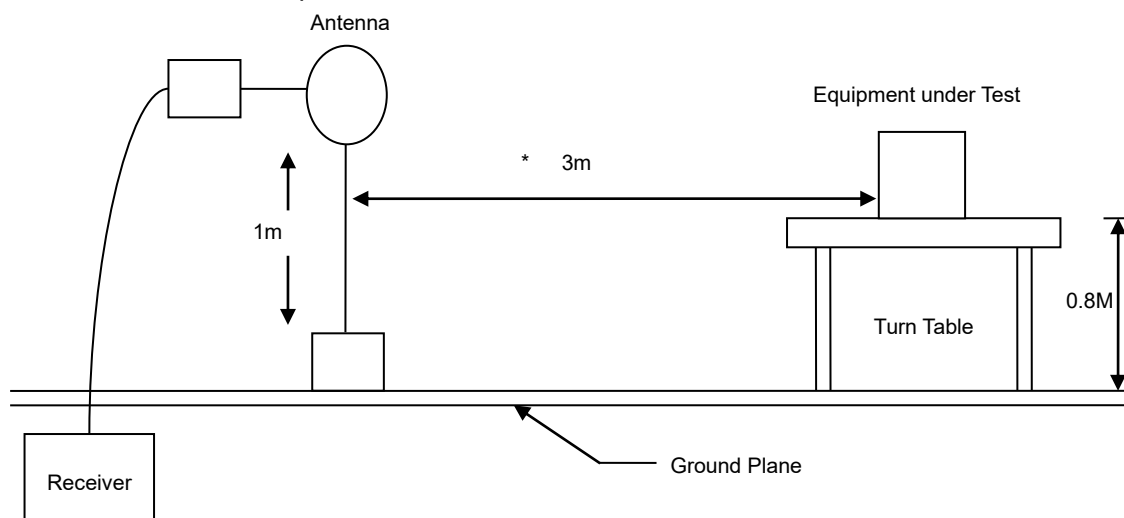
Note:

- 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.

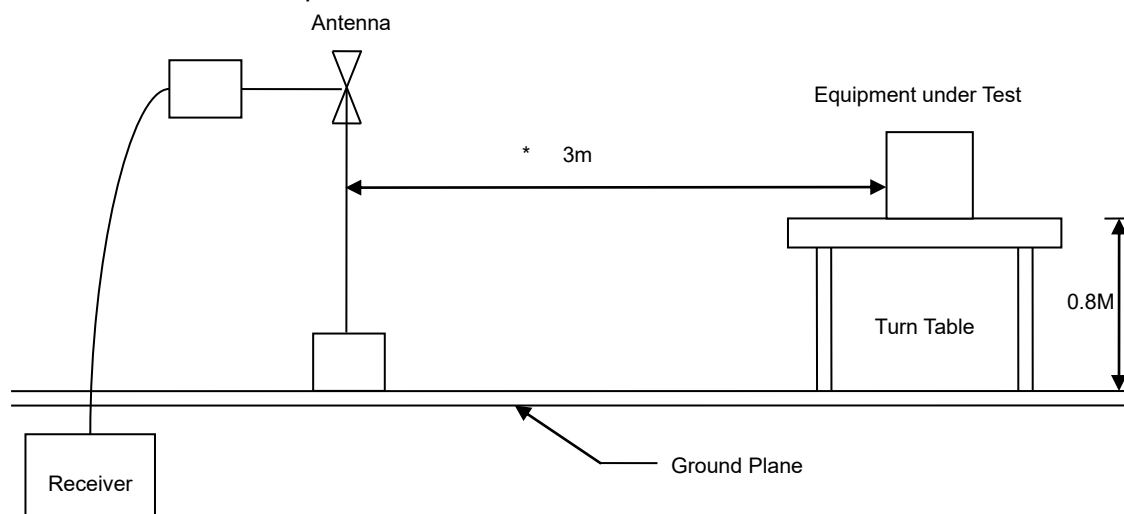


6.3 Typical Test Setup

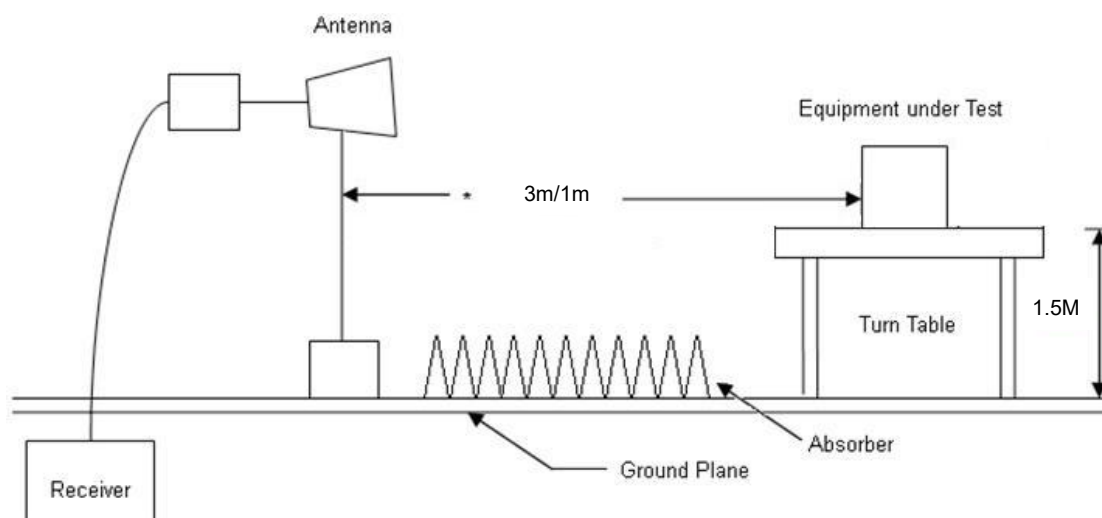
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



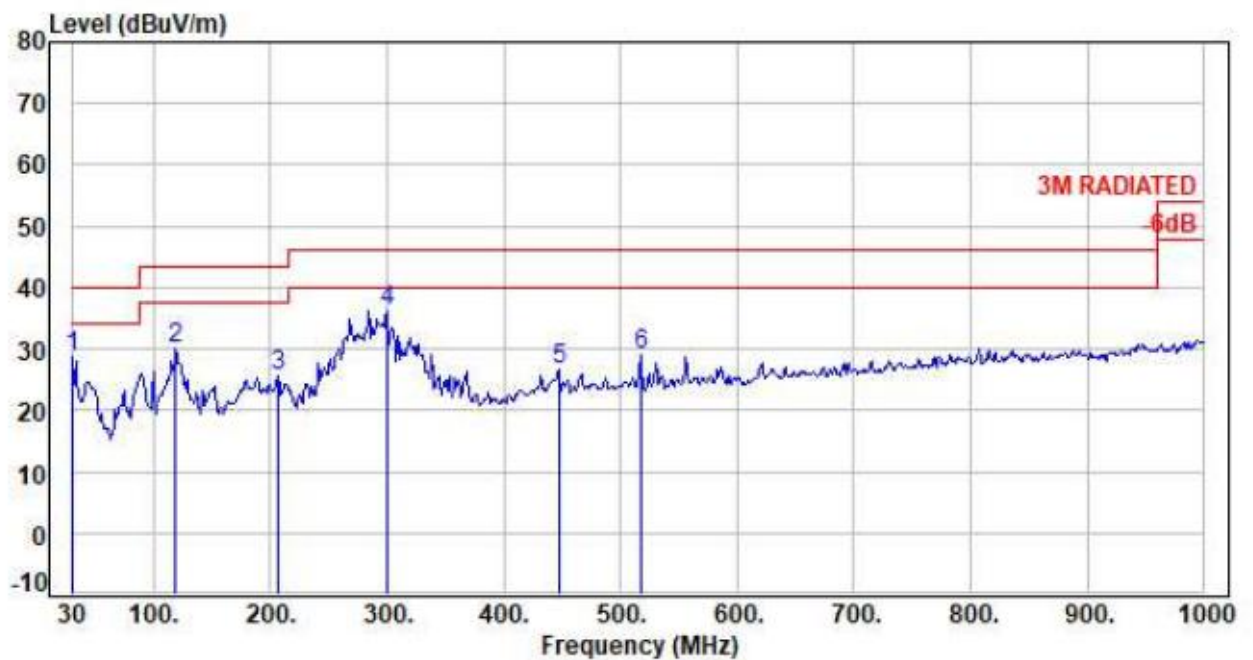


6.4 Test Result and Data (9kHz ~ 30MHz)

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

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

Test Mode : BT 1TX CH78 3Mbps
Voltage : From Adapter(AC 120V/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	30.00	-2.95	31.74	28.79	40.00	-11.21	Peak	400	0	P
2	119.24	-8.48	38.60	30.12	43.50	-13.38	Peak	400	0	P
3	206.54	-11.33	36.77	25.44	43.50	-18.06	Peak	400	0	P
4	299.66	-8.22	44.49	36.27	46.00	-9.73	Peak	400	0	P
5	447.10	-4.27	30.87	26.60	46.00	-19.40	Peak	400	0	P
6	516.94	-3.28	32.27	28.99	46.00	-17.01	Peak	400	0	P

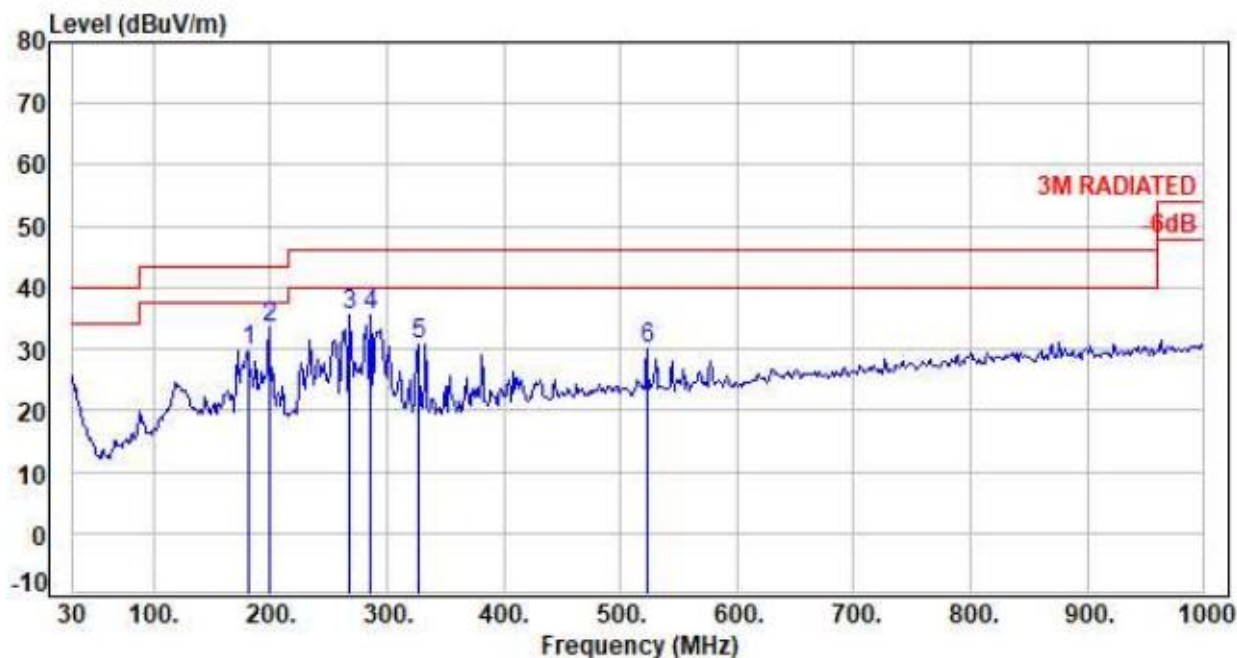
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BT 1TX CH78 3Mbps
Voltage : From Adapter(AC 120V/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	181.32	-11.01	40.67	29.66	43.50	-13.84	Peak	400	0	P
2	198.78	-9.05	42.44	33.39	43.50	-10.11	Peak	400	0	P
3	268.62	-8.70	44.18	35.48	46.00	-10.52	Peak	400	0	P
4	286.08	-8.37	43.90	35.53	46.00	-10.47	Peak	400	0	P
5	326.82	-7.70	38.38	30.68	46.00	-15.32	Peak	400	0	P
6	522.76	-3.20	33.26	30.06	46.00	-15.94	Peak	400	0	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.6 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