



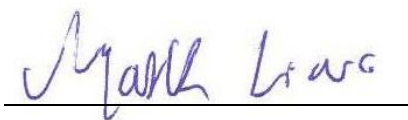
FCC RADIO TEST REPORT

Applicant : Elo Touch Solutions, Inc.
Address : 670 N. McCarthy Blvd., Suite 100, Milpitas,
CA 95035, USA
Equipment : Touch All-in-One Computer
Model No. : ESY14I2A
Trade Name : Elo or 
FCC ID : RBWESY14I2A

I HEREBY CERTIFY THAT :

The sample was received on Apr. 22, 2026 and the testing was completed on Jun. 05, 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
26030518-TRFCC06	Jun. 11, 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 E §15.407

Description of Test	Result
CO-LOCATION	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: 2400MHz-2483.5MHz 802.11b/g/n/ax: 2400MHz-2483.5MHz 802.11a/n/ac/ax: 5150MHz-5250MHz, 5250MHz-5350MHz, 5470MHz-5725MHz, 5725MHz-5850MHz 6GHz: 802.11a/ax: 5925MHz-6425MHz, 6425MHz-6525MHz, 6525MHz-6875MHz, 6875MHz-7125MHz
Center Frequency Range	BT/BLE: 2402MHz-2480MHz 802.11b/g/n/ax: 2412MHz-2462MHz 802.11a/n/ac/ax: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-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: 802.11n/a: 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 GFSK: 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	BT: 2.91 dBi BLE: 2.91 dBi WLAN 2.4GHz: 2.91 dBi WLAN 5GHz: 5180MHz-5240MHz: 2.6 dBi 5260MHz-5320MHz: 1.56 dBi 5500MHz-5720MHz: 2.95 dBi 5745MHz-5825MHz: 3.08 dBi WLAN 6GHz: 5925MHz-6500MHz: 3.59 dBi 6400MHz-6600MHz: 3.59 dBi 6500MHz-6900MHz: 3.59 dBi 6800MHz-7125MHz: 2.89 dBi
KIT-PAY-MBY5500-DG-EDGE-USB-RRON	ELO \ Moby/5500M CL3
Panel	AUO \ A140HAN01.0 \ 14"
	K&D \ KD140N41-30NI-A003 \ 14"
Adapter	DELTA \ ADP-65JH HB \ 65W
	Billion \ BA070-190342MBX \ 65W

Note:

1. EUT support TPC Function.
2. EUT supports DFS Client Mode, without radar detection.
3. WLAN and BT can simultaneously transmission.
4. For more details, please refer to the User's manual of the EUT.



2.2 Test Mode and Test Software

- During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- The complete test system included Notebook and EUT for RF test.
- An executive program, "Qualcomm Radio Control Tool ver: 4.0.211.0" under Windows OS system was executed to transmit and receive data via Bluetooth and WLAN.
- The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	BT GFSK CH39 + 2.4G 11b CH06, From Adapter
2	BT GFSK CH39 + 5G 11a CH157, From Adapter
3	BT GFSK CH39 + 6E 11ax HE160 CH175, From Adapter
caused "Test Mode 1~3" generated the worst case, it was reported as the final data.	
Radiation Emissions (Below 1GHz)	
Test Mode	Operating Description
1	BT GFSK CH39 + 2.4G 11b CH06, From Adapter
2	BT GFSK CH39 + 5G 11a CH157, From Adapter
3	BT GFSK CH39 + 6E 11ax HE160 CH175, From Adapter
caused "Test Mode 1~3" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 25GHz)	
Test Mode	Operating Description
1	BT GFSK CH39 + 2.4G 11b CH06, From Adapter
2	BT GFSK CH39 + 5G 11a CH157, From Adapter
3	BT GFSK CH39 + 6E 11ax HE160 CH175, From Adapter
caused "Test Mode 1~3" generated the worst case, it was reported as the final data.	

Note: 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, AC 120V / 60Hz is worst case.

2.3 Description of Test System

Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS
USB Cable (A to A)	BENEVO	E210567AWM	N/A	N/A

AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS
USB Cable (A to A)	BENEVO	E210567AWM	N/A	N/A



2.4 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 40,000MHz		
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
Radiated Emissions	3M02-NK	2026/05/20	21.7°C / 50%	Leon Huang
Radiated Emissions	3M02-NK	2026/06/04	19.3°C / 62%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2026/06/05	22.2°C / 48%	Leon Huang



2.5 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))

For BT / BLE / 2.4G

Measurement Item	Uncertainty
AC Power Line Conduction(150kHz~30MHz)	±3.2dB
Radiated Spurious Emission(9kHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.2dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
Conducted Spurious Emission	±2.1dB
6dB Bandwidth	±4.4%
20dB Bandwidth	±4.5%
Occupied Bandwidth	±4.4%
Peak Output Power (Conducted Power Meter)	±1.1dB
Dwell Time / Deactivation Time	±3.5%
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%

For 5G / 6E

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.2dB
Radiated Spurious Emission(9KHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.2dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
6dB Bandwidth	±4.4%
26dB Bandwidth	±4.5%
Occupied Bandwidth	±4.4%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%
Frequency Stability	±223.073Hz



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	VULB 9168-1947	2026/02/10	2027/02/09
Active Loop Antenna	Schwarzbeck	FMZB 1513	00414	2026/02/04	2027/02/03
Double Ridged Guide Horn Antenna	RF SPAN	DRH18-E	210309A18-ES	2025/08/22	2026/08/21
Horn Antenna	RF SPIN	DRH0844	KV2E20A0844	2026/03/26	2027/03/25
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2025/07/10	2026/07/09
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2025/08/18	2026/08/17
Preamplifier	EMC INSTRUMENTS	EMC118A45V1SS	981069	2025/12/18	2026/12/17
Preamplifier	EMC INSTRUMENTS	EMC184045SEE	981159	2026/04/02	2027/04/01
Preamplifier	EM Electronics corp.	EM330	60659	2025/12/18	2026/12/17
Cable-4m(9k-3G)	EMEC	RG-223	18274M	2025/07/02	2026/07/01
Cable-1m(30M-1G)	EMC INSTRUMENTS	EMCCFD400-NM-NM-1000	260301	2026/04/10	2027/04/09
Cable-3m(30M-1G)	EMC INSTRUMENTS	EMCCFD400-NM-NM-3000	260302	2026/04/10	2027/04/09
Cable-7m(30M-1G)	EMC INSTRUMENTS	EMCCFD400-NM-NM-7000	260303	2026/04/10	2027/04/09
Cable-8m(10M-26.5G)	HUBER SUHNER	SF126E	587396/126E	2025/10/15	2026/10/14
Cable-3m(10M-26.5G)	HUBER SUHNER	SF126E	587399/126E	2025/10/15	2026/10/14
Cable-1m(1G-26.5G)	HUBER SUHNER	SF126E	589848/126E	2025/10/15	2026/10/14
Cable-1m(1G-40G)	EMC INSTRUMENTS	EMC104HS-KM-KM-1000	260304	2026/04/10	2027/04/09
Cable-3m(1G-40G)	EMC INSTRUMENTS	EMC104HS-KM-KM-3000	260305	2026/04/10	2027/04/09
Cable-7m(1G-40G)	EMC INSTRUMENTS	EMC104HS-KM-KM-7000	260306	2026/04/10	2027/04/09
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	WOKEN	WFIL-H3000-18000F-03	WR377WC2B1	2025/10/13	2026/10/12
Highpass Filter	WOKEN	WFIL-H7000-18000F-01	WR468FWC2B1	2025/10/03	2026/10/02
Hipass Filter	Warison	WFIL-H7500-18000F-01	WRO5CFWC2B1	2025/10/13	2026/10/12

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	ESCI	101423	2025/07/10	2026/07/09
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	1197	2025/09/22	2026/09/21
Two-Line V-Network	ROHDE & SCHWARZ	ENV216	102185	2025/08/28	2026/08/27
Cable-3m(9k-3G)	EMEC	RG-223	18271M	2025/06/25	2026/06/24
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA



4. Test of AC Power Line Conducted Emission

4.1 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

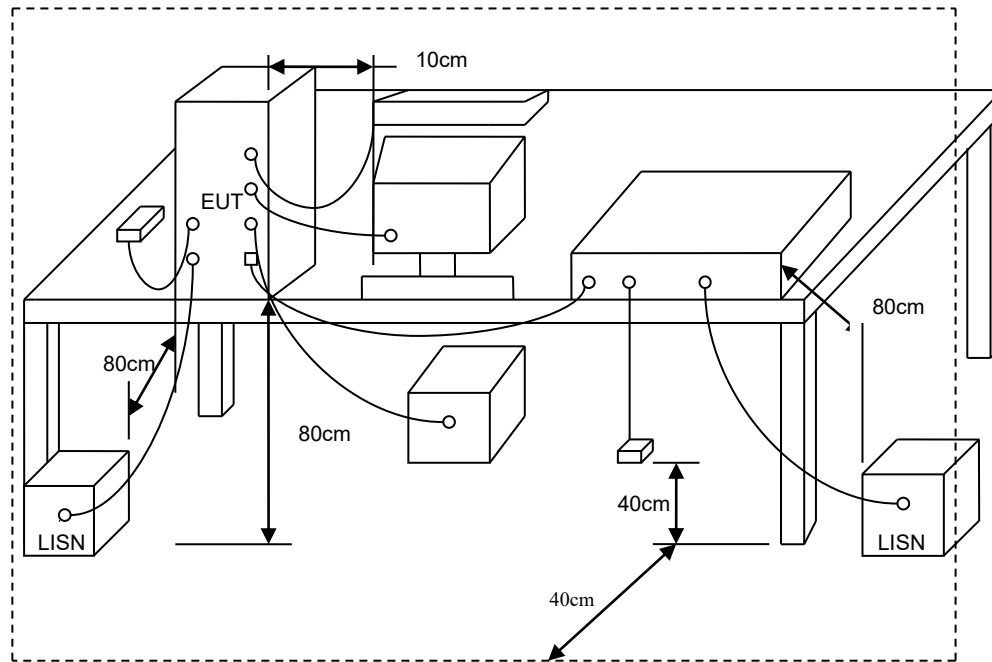
*Decreases with the logarithm of the frequency.

4.2 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.



4.3 Typical Test Setup



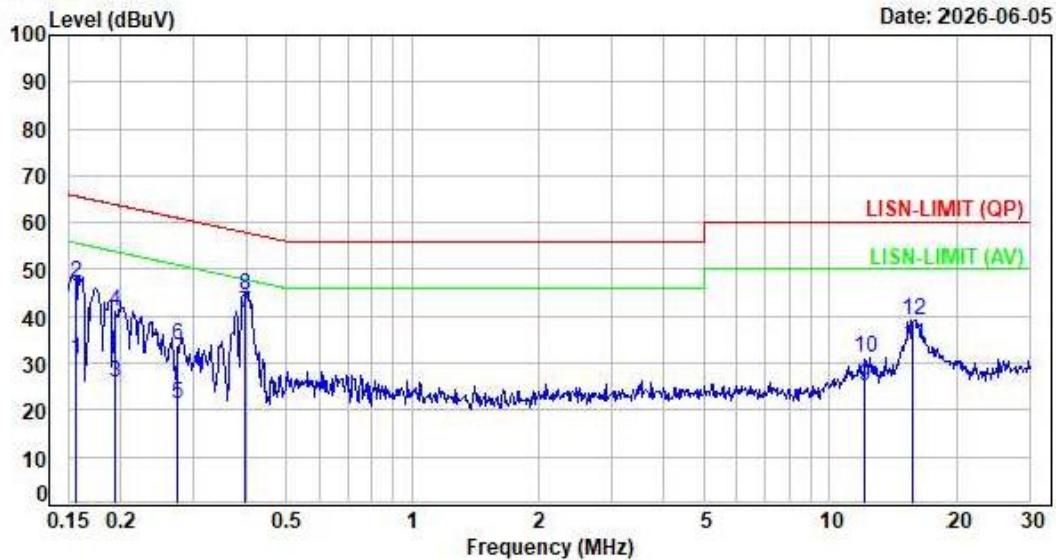


4.4 Test Result and Data

BT+2.4G

Test Mode : BT CH39+1TX 11b CH06
Voltage : From Adapter(AC 120V/60Hz)
Phase : Line

Data: 25



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1568	9.77	20.95	30.72	55.63	-24.91	Average	P
2	0.1568	9.77	37.37	47.14	65.63	-18.49	QP	P
3	0.1945	9.78	16.18	25.96	53.84	-27.88	Average	P
4	0.1945	9.78	31.21	40.99	63.84	-22.85	QP	P
5	0.2736	9.79	11.67	21.46	51.01	-29.55	Average	P
6	0.2736	9.79	24.05	33.84	61.01	-27.17	QP	P
7	0.3994	9.78	30.75	40.53	47.87	-7.34	Average	P
8	0.3994	9.78	34.53	44.31	57.87	-13.56	QP	P
9	12.1843	9.96	15.20	25.16	50.00	-24.84	Average	P
10	12.1843	9.96	21.10	31.06	60.00	-28.94	QP	P
11	15.8855	10.06	23.86	33.92	50.00	-16.08	Average	P
12	15.8855	10.06	29.26	39.32	60.00	-20.68	QP	P

Note: Level=Reading+Factor

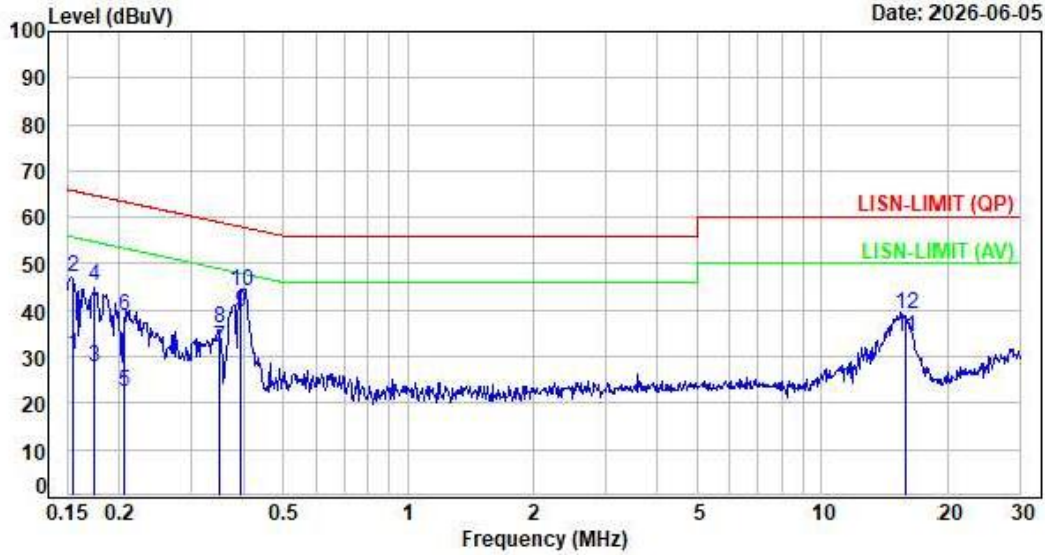
Margin=Level-Limit

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



Test Mode : BT CH39+1TX 11b CH06
Voltage : From Adapter(AC 120V/60Hz)
Phase : Neutral

Data: 26



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1554	9.78	20.50	30.28	55.71	-25.43	Average	P
2	0.1554	9.78	37.38	47.16	65.71	-18.55	QP	P
3	0.1742	9.79	18.09	27.88	54.76	-26.88	Average	P
4	0.1742	9.79	35.54	45.33	64.76	-19.43	QP	P
5	0.2056	9.79	12.47	22.26	53.38	-31.12	Average	P
6	0.2056	9.79	29.17	38.96	63.38	-24.42	QP	P
7	0.3496	9.79	22.32	32.11	48.97	-16.86	Average	P
8	0.3496	9.79	26.22	36.01	58.97	-22.96	QP	P
9	0.3945	9.79	29.76	39.55	47.97	-8.42	Average	P
10	0.3945	9.79	34.32	44.11	57.97	-13.86	QP	P
11	15.9460	10.09	24.06	34.15	50.00	-15.85	Average	P
12	15.9460	10.09	29.25	39.34	60.00	-20.66	QP	P

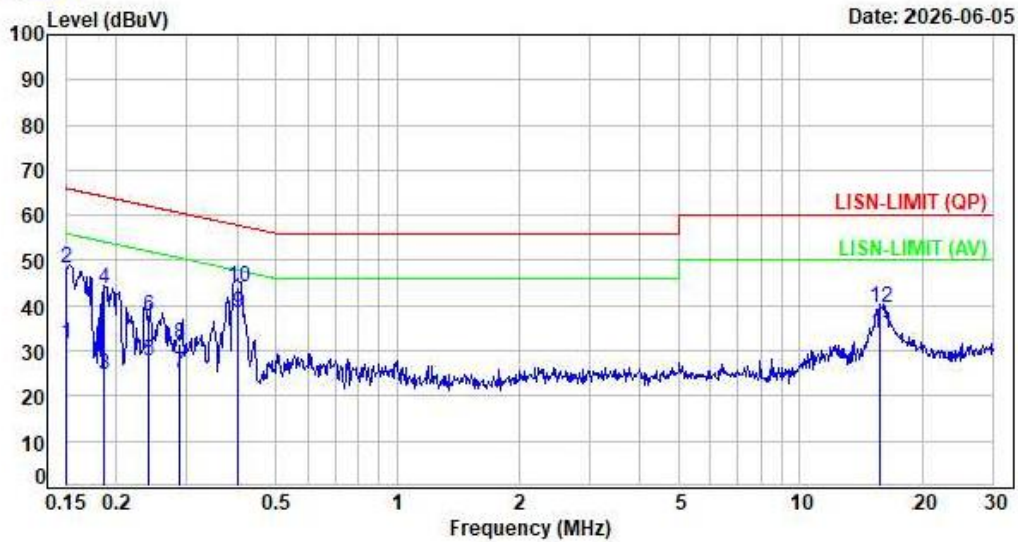
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



BT+5G

Test Mode : BT CH39+1TX 11a CH157
Voltage : From Adapter(AC 120V/60Hz)
Phase : Line

Data: 29



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1500	9.77	21.87	31.64	56.00	-24.36	Average	P
2	0.1500	9.77	38.55	48.32	66.00	-17.68	QP	P
3	0.1867	9.78	15.09	24.87	54.18	-29.31	Average	P
4	0.1867	9.78	33.79	43.57	64.18	-20.61	QP	P
5	0.2401	9.79	18.02	27.81	52.09	-24.28	Average	P
6	0.2401	9.79	27.77	37.56	62.09	-24.53	QP	P
7	0.2870	9.78	15.23	25.01	50.61	-25.60	Average	P
8	0.2870	9.78	21.94	31.72	60.61	-28.89	QP	P
9	0.4008	9.78	28.76	38.54	47.84	-9.30	Average	P
10	0.4008	9.78	34.35	44.13	57.84	-13.71	QP	P
11	15.8775	10.06	23.67	33.73	50.00	-16.27	Average	P
12	15.8775	10.06	29.52	39.58	60.00	-20.42	QP	P

Note: Level=Reading+Factor

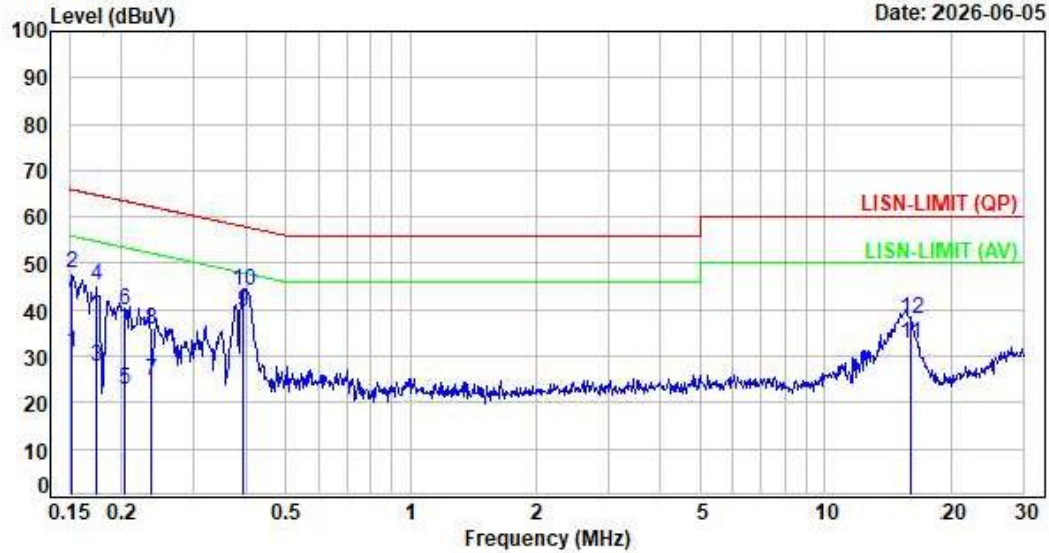
Margin=Level-Limit

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



Test Mode : BT CH39+1TX 11a CH157
Voltage : From Adapter(AC 120V/60Hz)
Phase : Neutral

Data: 30



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1513	9.78	21.15	30.93	55.93	-25.00	Average	P
2	0.1513	9.78	37.98	47.76	65.93	-18.17	QP	P
3	0.1737	9.79	17.86	27.65	54.78	-27.13	Average	P
4	0.1737	9.79	35.45	45.24	64.78	-19.54	QP	P
5	0.2042	9.79	12.89	22.68	53.44	-30.76	Average	P
6	0.2042	9.79	29.99	39.78	63.44	-23.66	QP	P
7	0.2357	9.80	14.94	24.74	52.25	-27.51	Average	P
8	0.2357	9.80	25.88	35.68	62.25	-26.57	QP	P
9	0.3947	9.79	29.60	39.39	47.96	-8.57	Average	P
10	0.3947	9.79	34.37	44.16	57.96	-13.80	QP	P
11	16.0603	10.09	22.63	32.72	50.00	-17.28	Average	P
12	16.0603	10.09	28.03	38.12	60.00	-21.88	QP	P

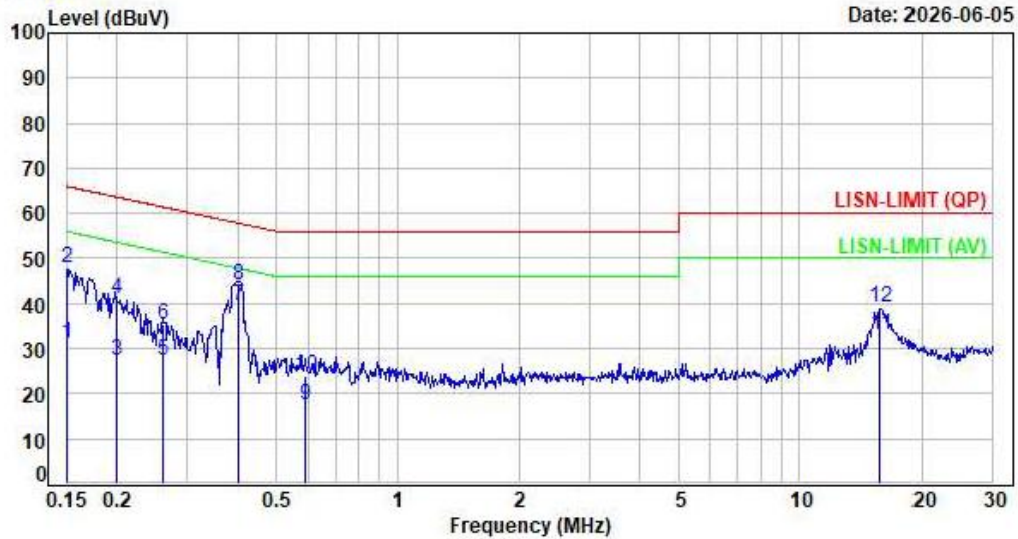
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



BT+6E

Test Mode : BT CH39+1TX 11ax160 CH175
Voltage : From Adapter(AC 120V/60Hz)
Phase : Line

Data: 33



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1508	9.77	21.36	31.13	55.95	-24.82	Average	P
2	0.1508	9.77	38.08	47.85	65.95	-18.10	QP	P
3	0.2000	9.78	17.60	27.38	53.61	-26.23	Average	P
4	0.2000	9.78	31.44	41.22	63.61	-22.39	QP	P
5	0.2601	9.79	17.45	27.24	51.43	-24.19	Average	P
6	0.2601	9.79	25.70	35.49	61.43	-25.94	QP	P
7	0.4023	9.78	29.84	39.62	47.81	-8.19	Average	P
8	0.4023	9.78	34.15	43.93	57.81	-13.88	QP	P
9	0.5882	9.78	7.78	17.56	46.00	-28.44	Average	P
10	0.5882	9.78	14.21	23.99	56.00	-32.01	QP	P
11	15.8740	10.06	22.93	32.99	50.00	-17.01	Average	P
12	15.8740	10.06	29.09	39.15	60.00	-20.85	QP	P

Note: Level=Reading+Factor

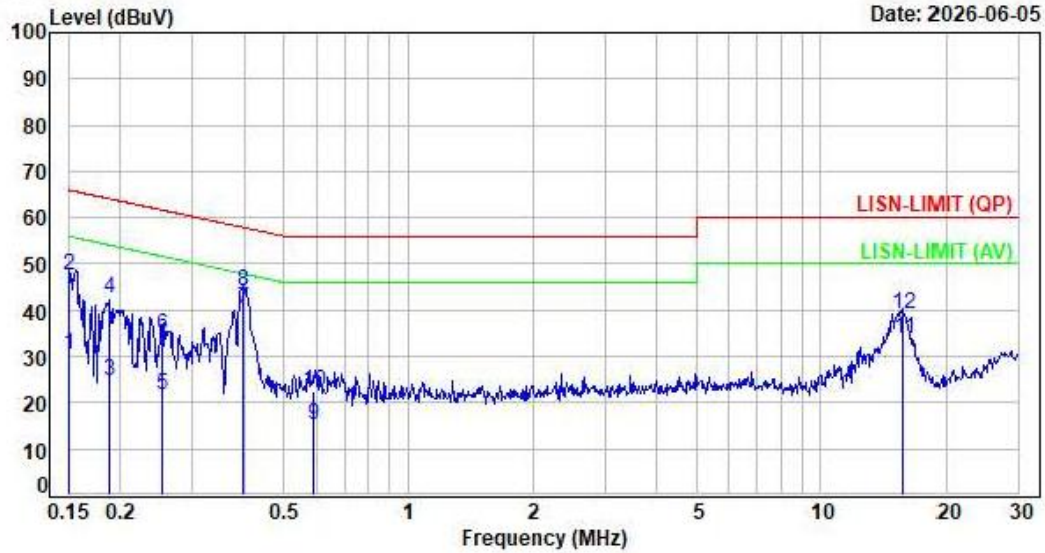
Margin=Level-Limit

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



Test Mode : BT CH39+1TX 11ax160 CH175
Voltage : From Adapter(AC 120V/60Hz)
Phase : Neutral

Data: 34



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1503	9.78	20.73	30.51	55.98	-25.47	Average	P
2	0.1503	9.78	37.79	47.57	65.98	-18.41	QP	P
3	0.1882	9.79	15.06	24.85	54.11	-29.26	Average	P
4	0.1882	9.79	32.90	42.69	64.11	-21.42	QP	P
5	0.2522	9.80	11.99	21.79	51.68	-29.89	Average	P
6	0.2522	9.80	24.70	34.50	61.68	-27.18	QP	P
7	0.3990	9.79	30.58	40.37	47.87	-7.50	Average	P
8	0.3990	9.79	34.16	43.95	57.87	-13.92	QP	P
9	0.5867	9.79	5.36	15.15	46.00	-30.85	Average	P
10	0.5867	9.79	12.53	22.32	56.00	-33.68	QP	P
11	15.8365	10.09	23.85	33.94	50.00	-16.06	Average	P
12	15.8365	10.09	29.06	39.15	60.00	-20.85	QP	P

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



5. Test of Spurious Emission (Radiated)

5.1 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



5.2 Test Procedures

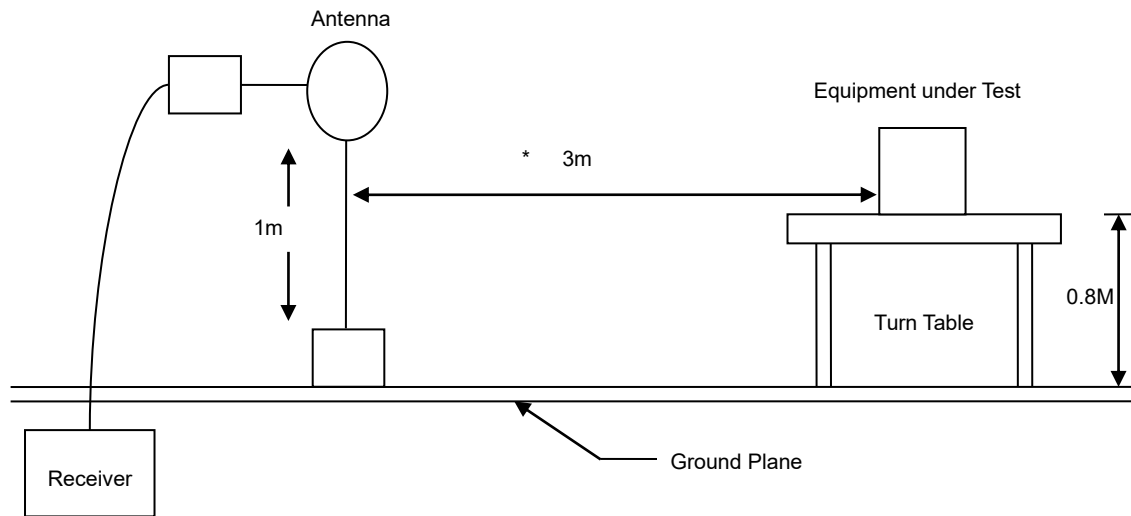
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.

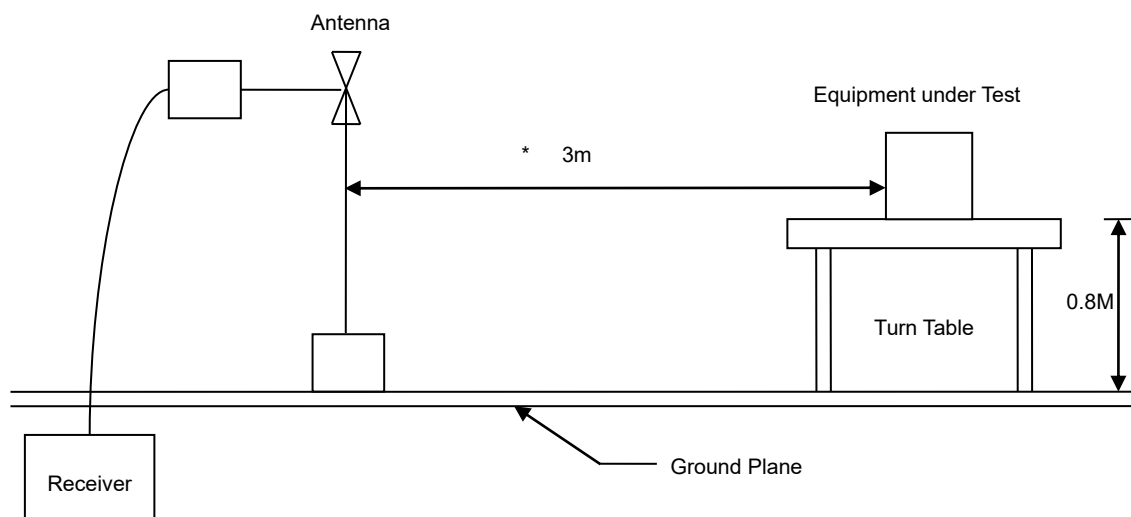


5.3 Typical Test Setup

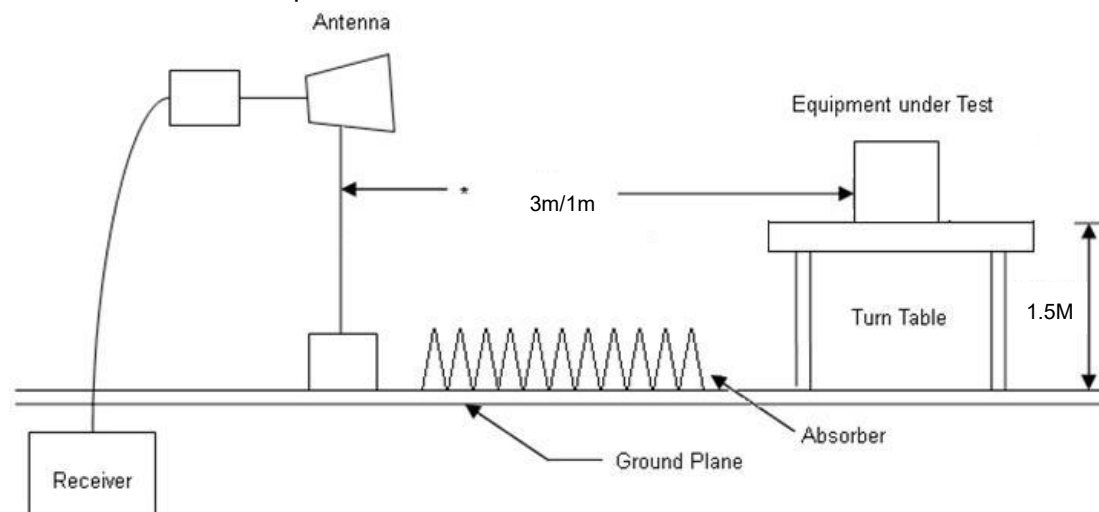
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup





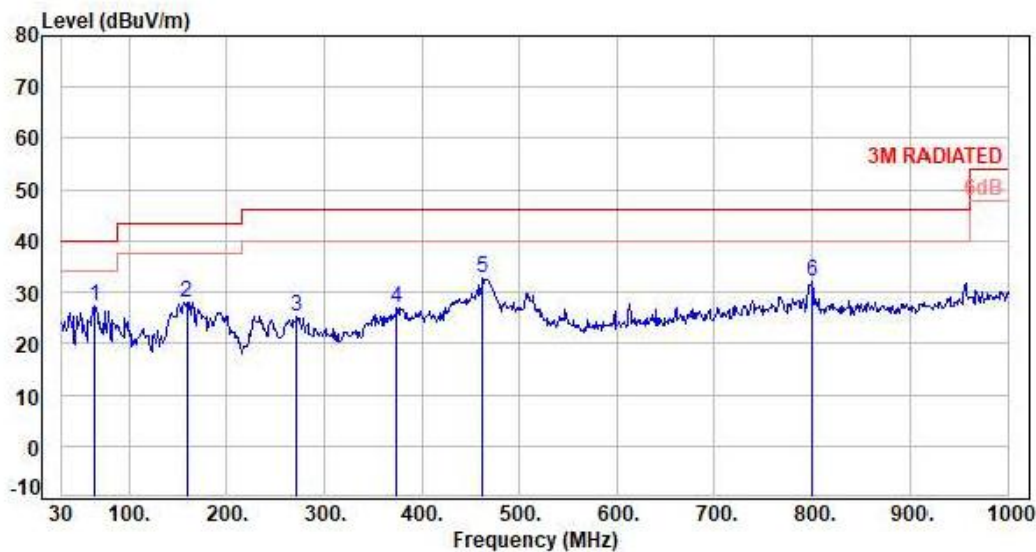
5.4 Test Result and Data (9kHz ~ 30MHz)

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

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

BT+2.4G

Test Mode : BT CH39+1TX 11b CH06
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	63.95	-11.11	38.31	27.20	40.00	-12.80	Peak	400	0	P
2	159.01	-10.53	38.65	28.12	43.50	-15.38	Peak	400	0	P
3	271.53	-10.91	36.17	25.26	46.00	-20.74	Peak	400	0	P
4	374.35	-7.99	35.04	27.05	46.00	-18.95	Peak	400	0	P
5	462.62	-6.04	38.95	32.91	46.00	-13.09	Peak	400	0	P
6	800.18	-0.41	32.45	32.04	46.00	-13.96	Peak	400	0	P

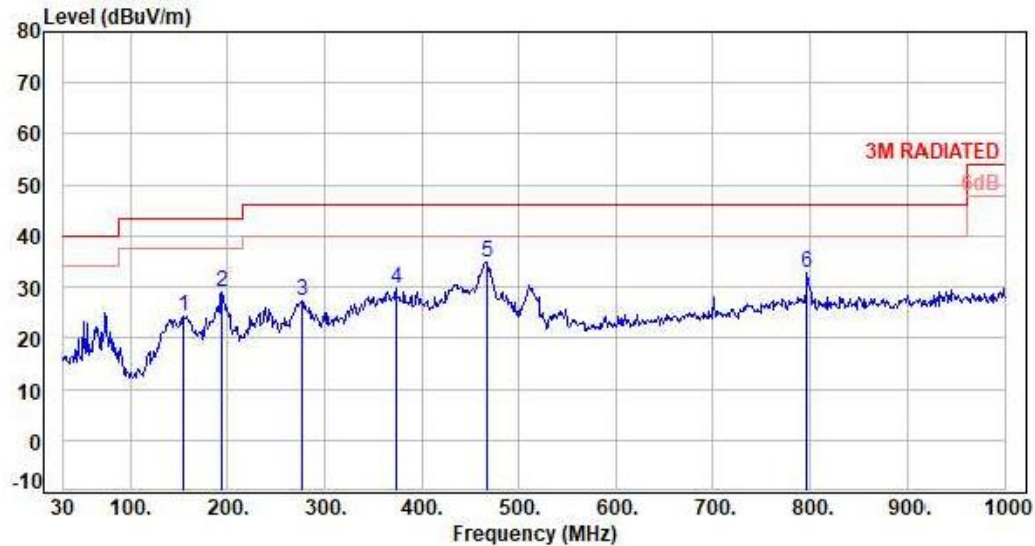
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BT CH39+1TX 11b CH06
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	154.16	-10.53	34.91	24.38	43.50	-19.12	Peak	400	360	P
2	194.90	-12.93	41.89	28.96	43.50	-14.54	Peak	400	360	P
3	276.38	-10.63	37.81	27.18	46.00	-18.82	Peak	400	360	P
4	373.38	-8.02	37.68	29.66	46.00	-16.34	Peak	400	360	P
5	467.47	-6.03	40.98	34.95	46.00	-11.05	Peak	400	360	P
6	797.27	-0.41	33.13	32.72	46.00	-13.28	Peak	400	360	P

Note: Level=Reading+Factor

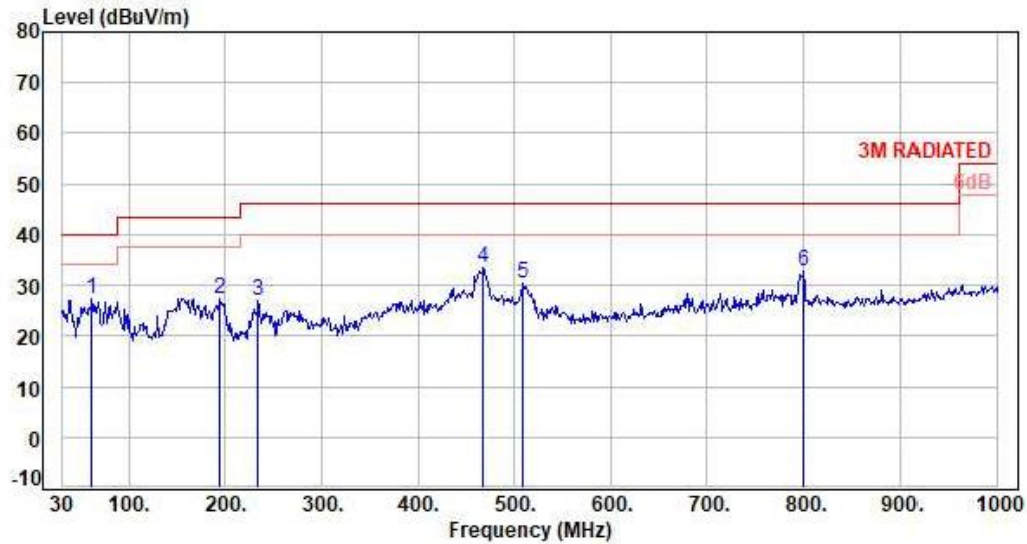
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



BT+5G

Test Mode : BT CH39+1TX 11a CH157
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	61.04	-10.62	37.86	27.24	40.00	-12.76	Peak	400	360	P
2	194.90	-12.93	40.37	27.44	43.50	-16.06	Peak	400	360	P
3	233.70	-12.01	38.92	26.91	46.00	-19.09	Peak	400	360	P
4	467.47	-6.03	39.39	33.36	46.00	-12.64	Peak	400	360	P
5	509.18	-5.26	35.66	30.40	46.00	-15.60	Peak	400	360	P
6	800.18	-0.41	33.17	32.76	46.00	-13.24	Peak	400	360	P

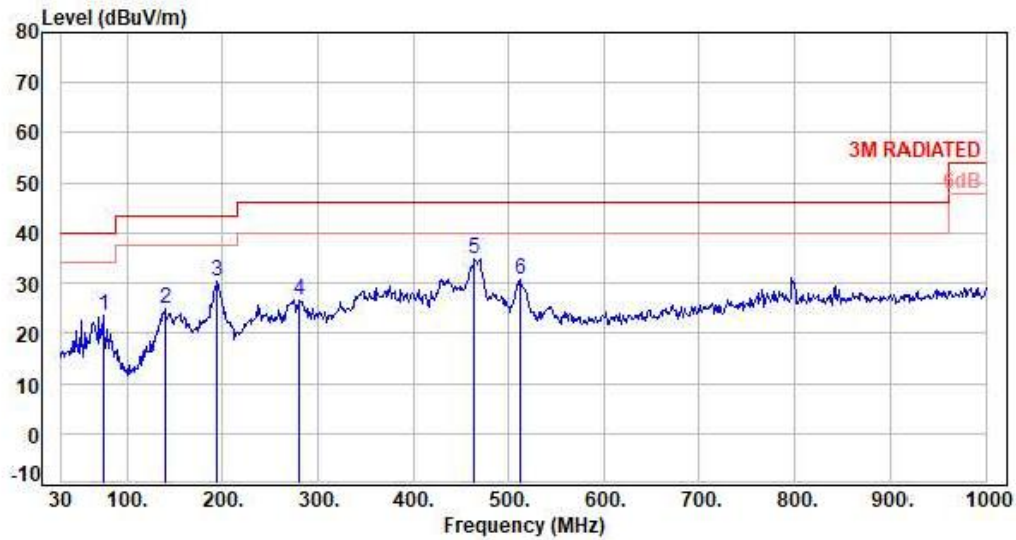
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BT CH39+1TX 11a CH157
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	74.62	-13.89	37.50	23.61	40.00	-16.39	Peak	400	0	P
2	139.61	-11.55	36.53	24.98	43.50	-18.52	Peak	400	0	P
3	194.90	-12.93	43.34	30.41	43.50	-13.09	Peak	400	0	P
4	281.23	-10.42	36.95	26.53	46.00	-19.47	Peak	400	0	P
5	464.56	-6.03	40.70	34.67	46.00	-11.33	Peak	400	0	P
6	512.09	-5.19	35.92	30.73	46.00	-15.27	Peak	400	0	P

Note: Level=Reading+Factor

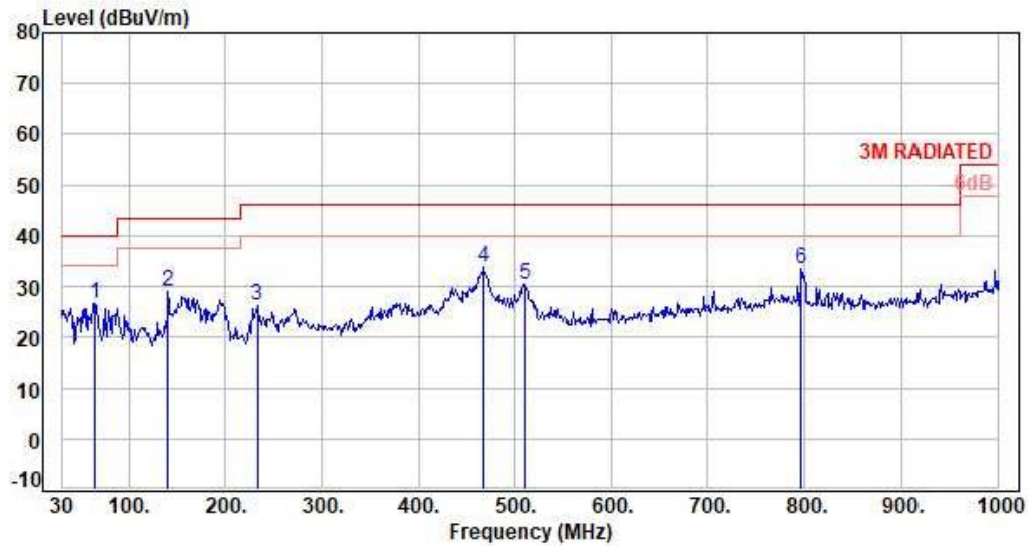
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



BT+6E

Test Mode : BT CH39+1TX 11ax160 CH175
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	63.95	-11.11	37.83	26.72	40.00	-13.28	Peak	400	0	P
2	140.58	-11.47	40.53	29.06	43.50	-14.44	Peak	400	0	P
3	232.73	-12.11	38.46	26.35	46.00	-19.65	Peak	400	0	P
4	467.47	-6.03	39.82	33.79	46.00	-12.21	Peak	400	0	P
5	511.12	-5.21	35.56	30.35	46.00	-15.65	Peak	400	0	P
6	797.27	-0.41	34.03	33.62	46.00	-12.38	Peak	400	0	P

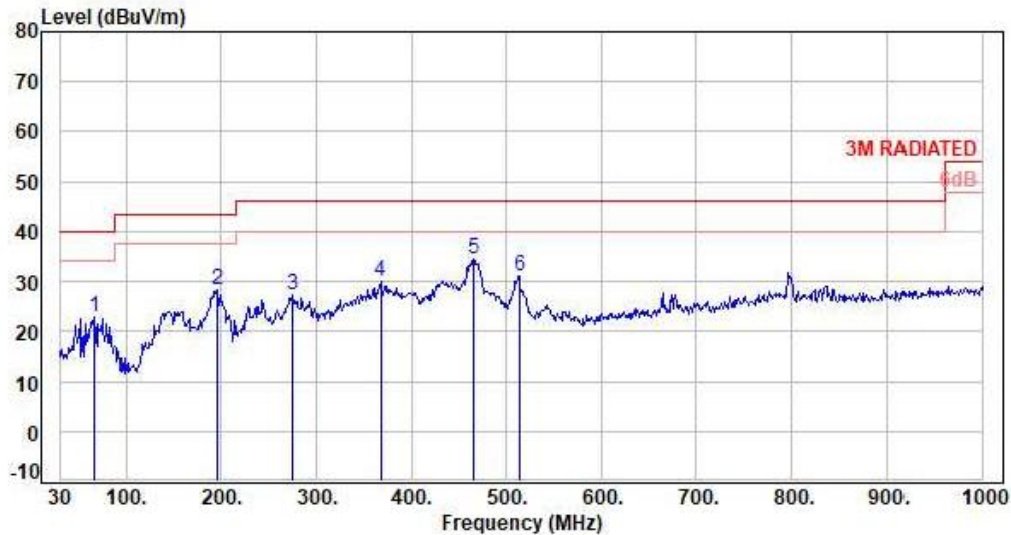
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : BT CH39+1TX 11ax160 CH175
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	66.86	-11.68	34.39	22.71	40.00	-17.29	Peak	400	360	P
2	195.87	-13.01	41.20	28.19	43.50	-15.31	Peak	400	360	P
3	274.44	-10.72	37.94	27.22	46.00	-18.78	Peak	400	360	P
4	367.56	-8.23	38.31	30.08	46.00	-15.92	Peak	400	360	P
5	465.53	-6.03	40.65	34.62	46.00	-11.38	Peak	400	360	P
6	514.03	-5.15	36.33	31.18	46.00	-14.82	Peak	400	360	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



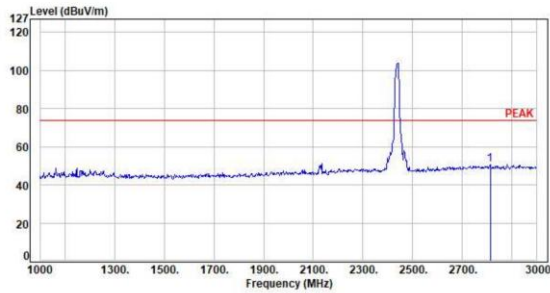
5.6 Test Result and Data (1GHz ~ 3GHz)

BT+2.4G

Test Mode : BTCH39+1TX 11b CH06

Pol : Vertical

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2812.00	-5.21	55.76	50.55	74.00	-23.45	Peak	100	0	P

Note: Level=Reading+Factor

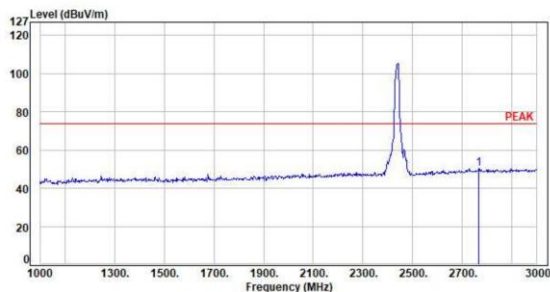
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11b CH06

Pol : Horizontal

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2766.00	-5.38	55.77	50.39	74.00	-23.61	Peak	100	360	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

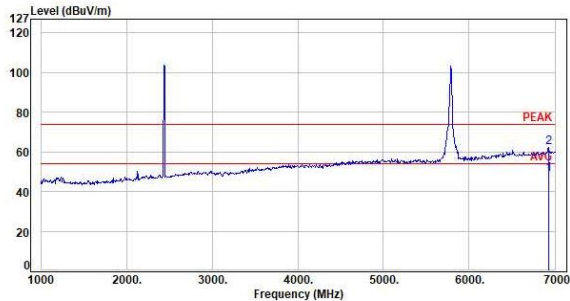
Note: The emission from the trace exceeds the limit at the fundamental frequency.



5.7 Test Result and Data (1GHz ~ 7GHz)

BT+5G

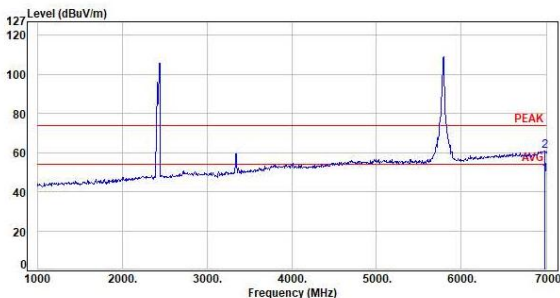
Test Mode : BTCH39+1TX 11ax160 CH175
Pol : Vertical Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	6916.00	3.75	45.26	49.01	54.00	-4.99	Average	100	360	P
2	6916.00	3.75	58.41	62.16	74.00	-11.84	Peak	100	360	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11ax160 CH175
Pol : Horizontal Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	6976.00	3.68	45.30	48.98	54.00	-5.02	Average	100	0	P
2	6976.00	3.68	57.15	60.83	74.00	-13.17	Peak	100	0	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

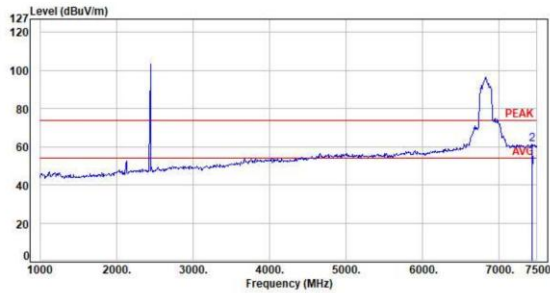
Note: The emission from the trace exceeds the limit at the fundamental frequency.



5.8 Test Result and Data (1GHz ~7.5GHz)

BT+6E

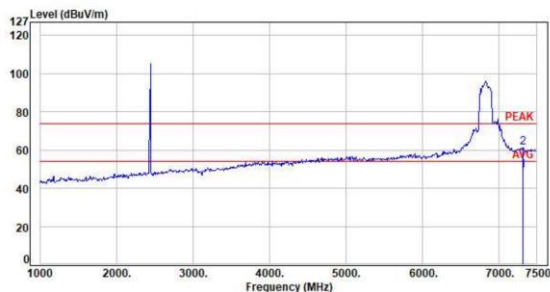
Test Mode : BTCH39+1TX 11ax160 CH175
Pol : Vertical Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	7435.00	4.10	45.27	49.37	54.00	-4.63	Average	100	0	P
2	7435.00	4.10	57.05	61.15	74.00	-12.85	Peak	100	0	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11ax160 CH175
Pol : Horizontal Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	7318.00	4.10	45.29	49.39	54.00	-4.61	Average	100	360	P
2	7318.00	4.10	57.24	61.34	74.00	-12.66	Peak	100	360	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Note: The emission from the trace exceeds the limit at the fundamental frequency.



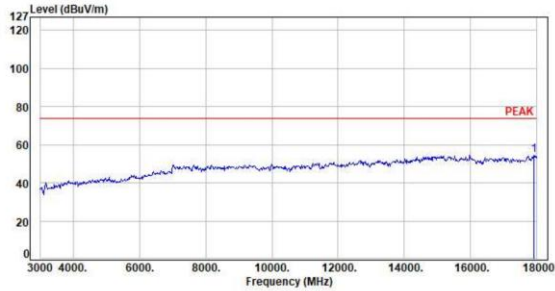
5.9 Test Result and Data (3GHz ~ 18GHz)

BT+2.4G

Test Mode : BTCH39+1TX 11b CH06

Pol : Vertical

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	17910.00	6.23	48.29	54.52	74.00	-19.48	Peak	100	360	P

Note: Level=Reading+Factor

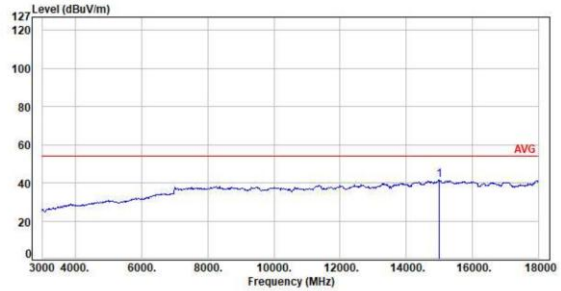
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11b CH06

Pol : Vertical

Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	14985.00	6.27	35.37	41.64	54.00	-12.36	Average	100	360	P

Note: Level=Reading+Factor

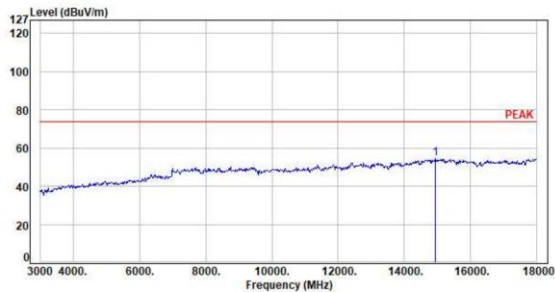
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11b CH06

Pol : Horizontal

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	14940.00	6.19	48.14	54.33	74.00	-19.67	Peak	100	0	P

Note: Level=Reading+Factor

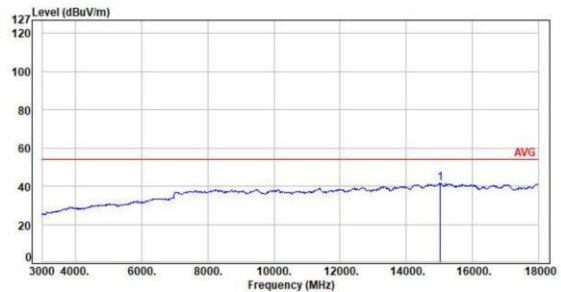
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11b CH06

Pol : Horizontal

Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	15015.00	6.27	35.26	41.53	54.00	-12.47	Average	100	0	P

Note: Level=Reading+Factor

Margin=Level-Limit

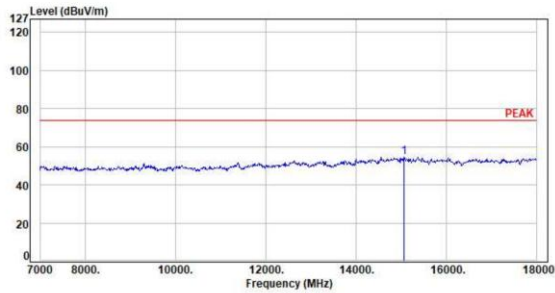
Factor=Antenna Factor + cable loss - Amplifier Factor



5.10 Test Result and Data (7GHz ~ 18GHz)

BT+5G

Test Mode : BTCH39+1TX 11a CH157
Pol : Vertical Detector : Peak

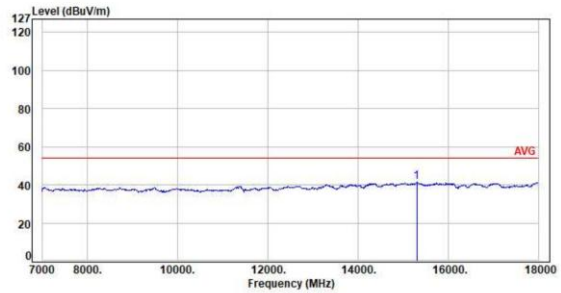


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
-----	-----------------	-------------	----------------	----------------	----------------	-------------	----------	-------------	---------------	-----

1 15063.00 5.74 48.77 54.51 74.00 -19.49 Peak 100 0 P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11a CH157
Pol : Vertical Detector : Average

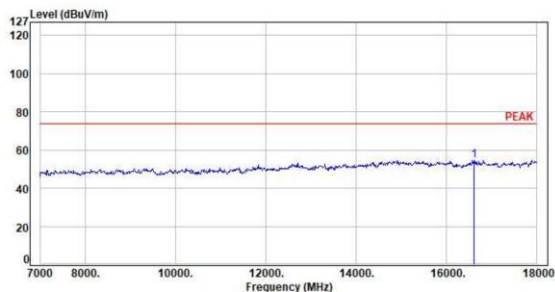


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
-----	-----------------	-------------	----------------	----------------	----------------	-------------	----------	-------------	---------------	-----

1 15294.00 5.58 35.95 41.53 54.00 -12.47 Average 100 0 P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11a CH157
Pol : Horizontal Detector : Peak

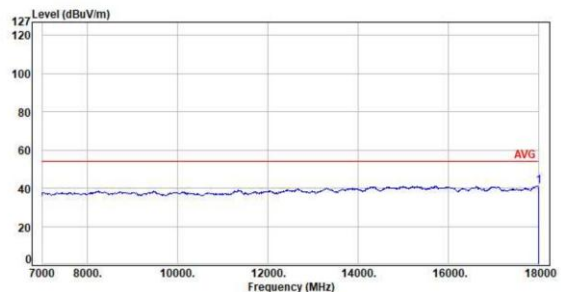


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
-----	-----------------	-------------	----------------	----------------	----------------	-------------	----------	-------------	---------------	-----

1 16614.00 5.06 49.66 54.72 74.00 -19.28 Peak 100 360 P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11a CH157
Pol : Horizontal Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
-----	-----------------	-------------	----------------	----------------	----------------	-------------	----------	-------------	---------------	-----

1 17999.90 6.05 35.10 41.15 54.00 -12.85 Average 100 360 P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



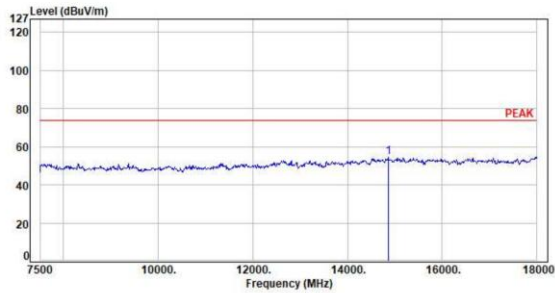
5.11 Test Result and Data (7.5GHz ~ 18GHz)

BT+6E

Test Mode : BTCH39+1TX 11ax160 CH175

Pol : Vertical

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	14860.50	5.77	48.79	54.56	74.00	-19.44	Peak	100	360	P

Note: Level=Reading+Factor

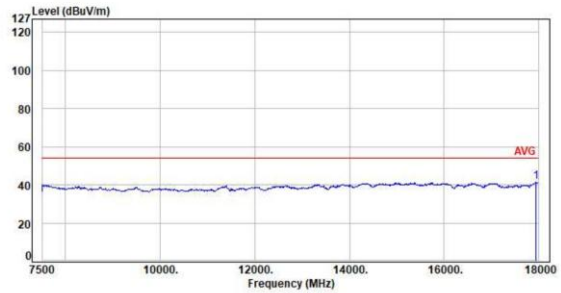
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11ax160 CH175

Pol : Vertical

Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	17937.00	6.00	35.32	41.32	54.00	-12.68	Average	100	360	P

Note: Level=Reading+Factor

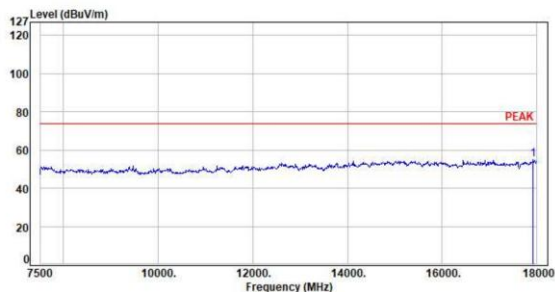
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11ax160 CH175

Pol : Horizontal

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	17926.50	5.98	49.04	55.02	74.00	-18.98	Peak	100	0	P

Note: Level=Reading+Factor

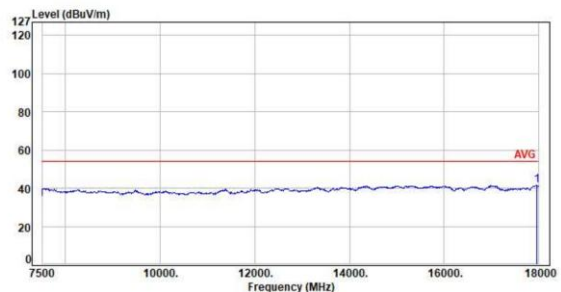
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11ax160 CH175

Pol : Horizontal

Detector : Average



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	17958.00	6.04	35.57	41.61	54.00	-12.39	Average	100	0	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



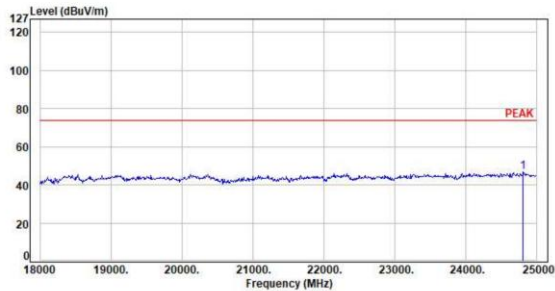
5.12 Test Result and Data (18GHz ~ 40GHz)

BT+2.4G

Test Mode : BTCH39+1TX 11b CH06

Pol : Vertical

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	24884.00	1.63	45.17	46.80	74.00	-27.20	Peak	150	360	P

Note: Level=Reading+Factor

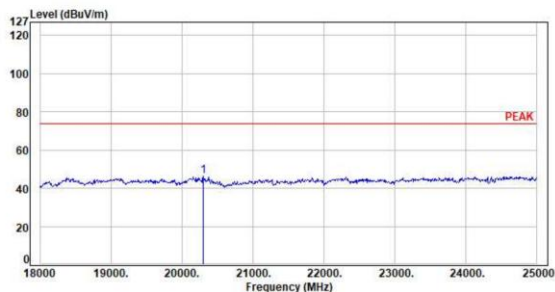
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Test Mode : BTCH39+1TX 11b CH06

Pol : Horizontal

Detector : Peak



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	20296.00	-3.89	50.88	46.19	74.00	-27.81	Peak	150	0	P

Note: Level=Reading+Factor

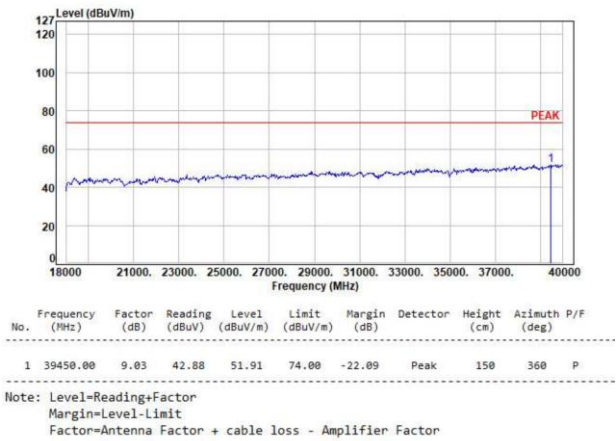
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

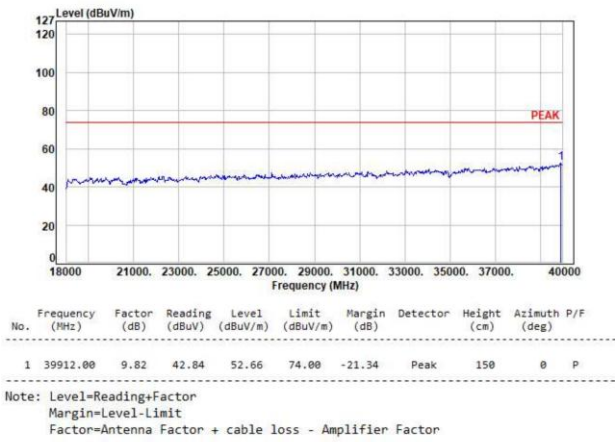


BT+5G

Test Mode : BTCH39+1TX 11a CH157
Pol : Vertical Detector : Peak



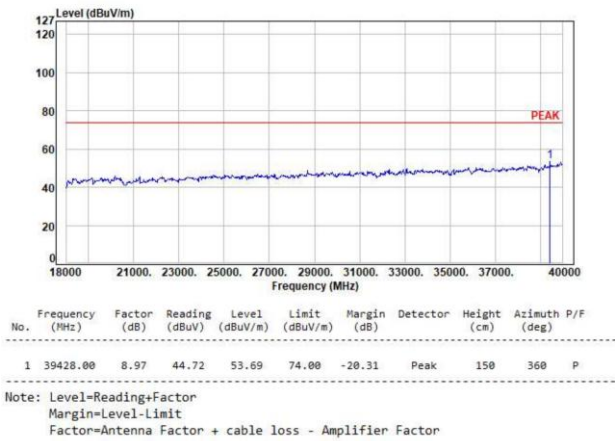
Test Mode : BTCH39+1TX 11a CH157
Pol : Horizontal Detector : Peak



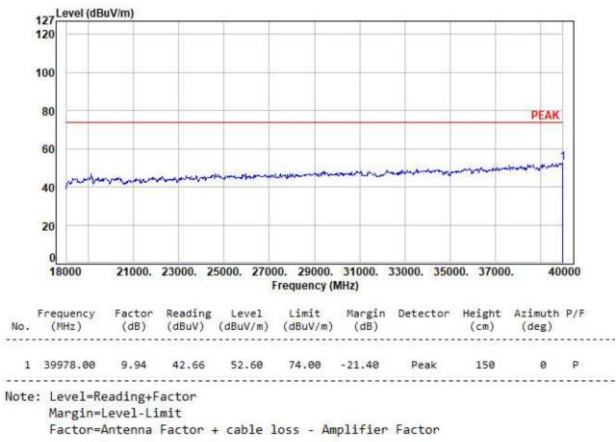


BT+6E

Test Mode : BT CH39+1TX 11ax160 CH175
Pol : Vertical Detector : Peak



Test Mode : BT CH39+1TX 11ax160 CH175
Pol : Horizontal Detector : Peak





5.13 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