FCC RADIO TEST REPORT

Applicant	:	LITE-ON TECHNOLOGY CORP.
Address	:	22F., No. 392, Ruiguang Rd., Neihu Dist., Taipei City 114753, Taiwan (R.O.C.)
Equipment	:	Solid State Digital Sign Computer
Model No.	:	MD455, MD455-WW
Trade Name	:	BrightSign
FCC ID	:	PPQ-MD455

I HEREBY CERTIFY THAT :

The sample was received on Jun. 24, 2025 and the testing was completed on Jul. 15, 2025 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory

CONTENTS

History of this test report

Report No.	Issued Date	Description
25060441-TRFCC02	Jul. 18, 2025	Original

1. Summary of Test Procedure and Test Results

1.1. Applicable Standards

ANSI C63.10:2013

FCC Rules and Regulations Part 15 Subpart E §15.407

KDB 789033

FCC Rule	Description of Test	Result
15.203	Antenna Requirement	PASS
15.207(a)	AC Power Line Conducted Emission	PASS
15.407(b) 15.209	Radiated Spurious Emission	PASS
15.407(a)	26 dB & Occupied Bandwidth	PASS
15.407	6 dB Bandwidth	PASS
15.407 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	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 (25060441-TEFV01).

*The differences is list below:

1. Model No.: MD455, MD455-WW is MD435, MD435-WW (FCC ID: PPQ-MD435) add LCD Board.
2. Add Audio cable, HDMI cable, RJ45 cable and Conn adaptor.

*After engineering evaluation, the following item need to retest:

1. AC Power Line Conducted Emission
2. Radiated Spurious Emission (30MHz~1GHz)

Refer to original report for other test categories.
Test report number: 24090226-TRFCC02.

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Operation Frequency Range	802.11b/g/n: 2400-2483.5MHz 802.11a/n/ac: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	802.11b/g/n: 2412MHz-2462MHz 802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5720MHz, 5745-5825MHz
Modulation Type	2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	DSSS, OFDM
Data Rate	2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80
Antenna Type	Dipole Antenna
Antenna Gain	2400-2500MHz: 1.95dBi 5180-5240MHz: 2.37dBi 5260-5320MHz: 2.49dBi 5500-5700MHz: 3.64dBi 5745-5825MHz: 3.34dBi
Adapter	RISUNIC \ R0182-1201500US
	APD \ WB-18U12R
Firmware No.	5.10.198+bs9.0.166.1
Audio Cable	MDLINK \ 11200008
HDMI Cable	MDLINK \ 11500004
RJ45 Cable	MDLINK \ 10600049
Conn Adaptor	MDLINK \ 11200009

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

Difference description:
1. All the Model No. are marketing purpose.
2. The Test Model No.: MD455.

2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz
802.11a, 802.11n HT20, 802.11ac VHT20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***36**	**5180**	44	5220
***40**	**5200**	***48**	**5240**

802.11n HT40, 802.11ac VHT40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***38**	**5190**	***46**	**5230**

802.11ac VHT80

Channel	Frequency(MHz)
***42**	**5210**

Band: 5250MHz-5350MHz
802.11a, 802.11n HT20, 802.11ac VHT20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***52**	**5260**	***60**	**5300**
56	5280	***64**	**5320**

802.11n HT40, 802.11ac VHT40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***54**	**5270**	***62**	**5310**

802.11ac VHT80

Channel	Frequency(MHz)
***58**	**5290**

Band: 5470MHz-5725MHz
802.11a, 802.11n HT20, 802.11ac VHT20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***100**	**5500**	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
116	5580	***140**	**5700**
***120**	**5600**		

802.11n HT40, 802.11ac VHT40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***102**	**5510**	126	5630
110	5550	***134**	**5670**
***118**	**5590**		

802.11ac VHT80

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***106**	**5530**	***122**	**5610**

Band 3: Straddle Channel

802.11a, 802.11n HT 20, 802.11ac VHT20

Channel	Frequency(MHz)
***144**	**5720**

802.11n HT40, 802.11ac VHT40

Channel	Frequency(MHz)
***142**	**5710**

802.11ac VHT80

Channel	Frequency(MHz)
***138**	**5690**

Band: 5725MHz-5850MHz

802.11a, 802.11n HT20, 802.11ac VHT20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***149**	**5745**	161	5805
153	5765	***165**	**5825**
***157**	**5785**		

802.11n HT40, 802.11ac VHT40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***151**	**5755**	***159**	**5795**

802.11ac VHT80

Channel	Frequency(MHz)
***155**	**5775**

Note: Channels remarked * are selected to perform test.

2.3. Test Mode and Test Software

a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.

b. An executive program, ”rtwpriv command Ver.: BrightSign Shell version 9.0.155 (2024-07-10)” under Windows 10 system was executed to transmit and receive data via WLAN.

c. The test model no. is MD455. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode 1	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 2	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 240V/60Hz), Adapter: WB-18U12R
Test Mode 3	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: R0182-1201500US
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiated Emissions (30MHz ~ 1GHz)	
Test Mode 1	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 2	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 240V/60Hz), Adapter: WB-18U12R
Test Mode 3	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: R0182-1201500US
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiated Emissions (1GHz ~ 40GHz)	
Test Mode 1	802.11a (6Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 2	802.11ac VHT20 (6.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 3	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 4	802.11ac VHT80 (29.3Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
caused “Test Mode 1,2,3,4” were the worst case, these were reported as the final data.	

Modulation Type	TX CONFIGURATION
802.11a	1TX
802.11n HT20	1TX
802.11n HT40	1TX
802.11ac VHT20	1TX
802.11ac VHT40	1TX
802.11ac VHT80	1TX

2.4. Description of Test System

For 25060441

Radiated Emissions (30MHz-1GHz)				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	AUAS	P2430U	N/A	Adapter / 1.8m / NS
Flash	TranScend	USB2.0 2GB	N/A	N/A
MicroSDHC	ADATA	8G	N/A	N/A
Monitor	DELL	U2410f	NA	N/A
Speaker	KRATOR	N2-20020	1m / NS	N/A

AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	AUAS	P2430U	N/A	Adapter / 1.8m / NS
Flash	TranScend	USB2.0 2GB	N/A	N/A
MicroSDHC	ADATA	8G	N/A	N/A
Monitor	DELL	U2410f	NA	N/A
Speaker	KRATOR	N2-20020	1m / NS	N/A

For 24090226

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	lenovo	S1GL2W	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A

Radiated Emissions (1GHz-25GHz)				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
MicroSDHC	ADATA	8G	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
Monitor	ASUS	PA279-1	N/A	N/A
Flash	TranScend	USB3.0 16GB	N/A	N/A
Earphone	Apple	Earpods	1m / NS	N/A
HDMI Cable	J5 Create	HDMI 8K	1.8m / NS	N/A

2.5. 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
	IC	4934E-1, 4934E-2
Frequency Range Investigated	Conducted: from 150kHz to 30 MHz Radiation: from 9kHz to 40,000MHz	
Test Distance	The test distance of radiated emission from antenna to EUT is 3 M.	

For 25060441

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
Radiated Emissions-Below 1GHz	3M03-NK	2025/07/03	23.9°C / 49%	Leon Huang
Radiated Emissions-Below 1GHz	3M03-NK	2025/07/15	23.8°C /42%	Park Chen
AC Power Line Conducted Emission	CON02-NK	2025/07/01	20.9°C / 56%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2025/07/15	22.4°C / 50%	Park Chen

For 24090226

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2024/09/24	25.5°C / 44%	Leon Huang
Radiated Emissions	3M03-NK	2024/09/20	23°C / 52%	Park Chen
Radiated Emissions	3M03-NK	2024/09/23	23.5°C / 51%	Park Chen

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)	±3.2dB
Radiated Spurious Emission(9KHz~30MHz)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
6dB Bandwidth	±5.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%
Frequency Stability	±0.23KHz

3. Test Equipment and Ancillaries Used for Tests

For 25060441

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M03-NK) (Below 1GHz) (2025/07/03)				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Bilog Antenna	Sunol	JB1	A020514-2	2024/07/09	2025/07/08
Active Loop Antenna	EMCO	6507	00040855	2025/04/28	2026/04/27
Horn Antenna	EMCO	3116	31974	2024/10/18	2025/10/17
Double Ridged Guide Horn Antenna	RF SPAN	DRH18-E	210309A18-ES	2024/08/28	2025/08/27
Spectrum Analyzer	R&S	FSV 40-N	102151	2024/08/22	2025/08/21
EMI Receiver	R&S	ESCI	101423	2024/07/16	2025/07/15
Preamplifier	EMC INSTRUMENTS	EMC0518A45SE	981069	2024/12/17	2025/12/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2024/10/15	2025/10/14
Preamplifier	EM Electronics corp.	EM330	60611	2025/03/28	2026/03/27
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
Cable-8m (10M-26.5G)	HUBER SUHNER	SF126E	587396/126E	2024/10/14	2025/10/13
Cable-3m (10M-26.5G)	HUBER SUHNER	SF126E	587399/126E	2024/10/14	2025/10/13
Cable-1m (10M-40G)	HUBER SUHNER	SF102	804398/2	2024/10/14	2025/10/13
Cable-1m (1G-26.5G)	HUBER SUHNER	SF126E	589848/126E	2024/10/14	2025/10/13
Cable-4m (30M-1G)	HUBER SUHNER	RG-214	02953M	2024/09/04	2025/09/03
Cable-1m (30M-1G)	HUBER SUHNER	RG-214	05094M	2024/09/04	2025/09/03
Cable-9m (30M-1G)	HUBER SUHNER	RG-214	00402M	2024/09/04	2025/09/03
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	Warison	WFIL-H3000-18000F-03	WR377WC2B1	2024/10/15	2025/10/14
Highpass Filter	WOKEN	WFIL-H7000-18000F-01	WR377WC2B2	2024/10/15	2025/10/14

For 25060441

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M03-NK) (Below 1GHz) (2025/07/15)				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Bilog Antenna	Sunol	JB1	A080713	2025/02/17	2026/02/16
Active Loop Antenna	EMCO	6507	00040855	2025/04/28	2026/04/27
Horn Antenna	EMCO	3116	31974	2024/10/18	2025/10/17
Double Ridged Guide Horn Antenna	RF SPAN	DRH18-E	210309A18-ES	2024/08/28	2025/08/27
Spectrum Analyzer	R&S	FSV 40-N	102151	2024/08/22	2025/08/21
EMI Receiver	R&S	ESR7	101906	2025/05/19	2026/05/18
Preamplifier	EMC INSTRUMENTS	EMC0518A45SE	981069	2024/12/17	2025/12/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2024/10/15	2025/10/14
Preamplifier	EM Electronics corp.	EM330	60611	2025/03/28	2026/03/27
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
Cable-8m (10M-26.5G)	HUBER SUHNER	SF126E	587396/126E	2024/10/14	2025/10/13
Cable-3m (10M-26.5G)	HUBER SUHNER	SF126E	587399/126E	2024/10/14	2025/10/13
Cable-1m (10M-40G)	HUBER SUHNER	SF102	804398/2	2024/10/14	2025/10/13
Cable-1m (1G-26.5G)	HUBER SUHNER	SF126E	589848/126E	2024/10/14	2025/10/13
Cable-4m (30M-1G)	HUBER SUHNER	RG-214	02953M	2024/09/04	2025/09/03
Cable-1m (30M-1G)	HUBER SUHNER	RG-214	05094M	2024/09/04	2025/09/03
Cable-9m (30M-1G)	HUBER SUHNER	RG-214	00402M	2024/09/04	2025/09/03
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	Warison	WFIL-H3000-18000F-03	WR377WC2B1	2024/10/15	2025/10/14
Highpass Filter	WOKEN	WFIL-H7000-18000F-01	WR377WC2B2	2024/10/15	2025/10/14

For 25060441

Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
EMI Receiver	R&S	ESR7	101906	2025/05/19	2026/05/18
Two-Line V-Network	R&S	ENV216	101584	2025/02/26	2026/02/25
Two-Line V-Network	R&S	ENV216	102185	2024/08/27	2025/08/26
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA

For 24090226

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	2024/05/17	2025/05/16
Active Loop Antenna	Schwarzbeck	FMZB 1513	00414	2024/01/16	2025/01/15
Horn Antenna	EMCO	3116	31974	2023/10/16	2024/10/15
Horn Antenna	RF SPIN	DRH18-E	211205A18EN	2024/06/20	2025/06/19
Spectrum Analyzer	R&S	FSP 40	100047	2024/03/01	2025/02/28
EMI Receiver	R&S	ESR 7	101906	2024/05/13	2025/05/12
Preamplifier	EMC INSTRUMENTS	EMC118A45V1SEE	980993	2023/10/16	2024/10/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2023/10/13	2024/10/12
Preamplifier	EM Electronics corp.	EM330	60820	2024/06/14	2025/06/13
Cable-3m (9k-3G)	N/A	EMC5D-BM-BM-6	130606	2024/03/13	2025/03/12
Cable-8m (10M-26.5G)	HUBER SUHNER	SF126E	587396/126E	2023/10/12	2024/10/11
Cable-3m (10M-26.5G)	HUBER SUHNER	SF126E	587399/126E	2023/10/12	2024/10/11
Cable-1m (10M-40G)	HUBER SUHNER	SF102	804398/2	2023/10/12	2024/10/11
Cable-1m (1G-26.5G)	HUBER SUHNER	SF126E	589848/126E	2023/10/12	2024/10/11
Cable-4m (30M-1G)	HUBER SUHNER	RG-214	02953M	2024/9/4	2025/09/03
Cable-1m (30M-1G)	HUBER SUHNER	RG-214	05094M	2024/9/4	2025/09/03
Cable-9m (30M-1G)	HUBER SUHNER	RG-214	00402M	2024/9/4	2025/09/03
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

For 24090226

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Spectrum Analyzer	R&S	FSP 40	100047	2024/03/01	2025/02/28
Attenuator	KEYSIGHT	8491B	MY39250703	2024/02/20	2025/02/19
Cable-0.5m (30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2023/10/12	2024/10/11
Power Meter	Anritsu	ML2495A	1224005	2024/02/17	2025/02/16
Power Sensor	Anritsu	MA2411B	1207295	2024/02/17	2025/02/16
Switch Box	Theda	1-4	TW5451159	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 15.407 (a), 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	5180-5240MHz: 2.37dBi 5260-5320MHz: 2.49dBi 5500-5700MHz: 3.64dBi 5745-5825MHz: 3.34dBi

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.

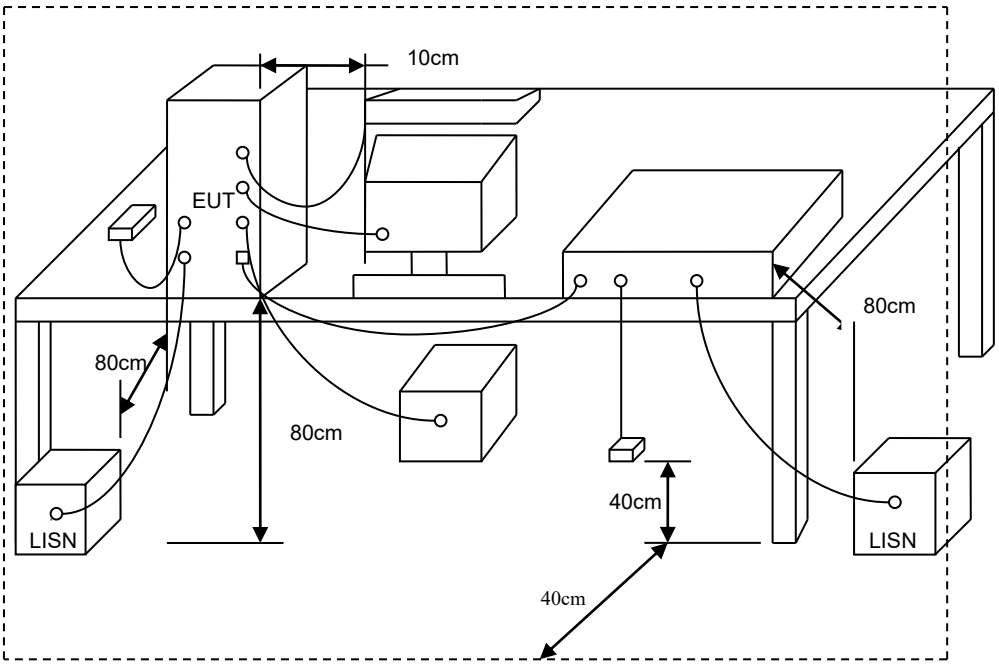
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

5.2. Test Procedures

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

5.3. Typical Test Setup

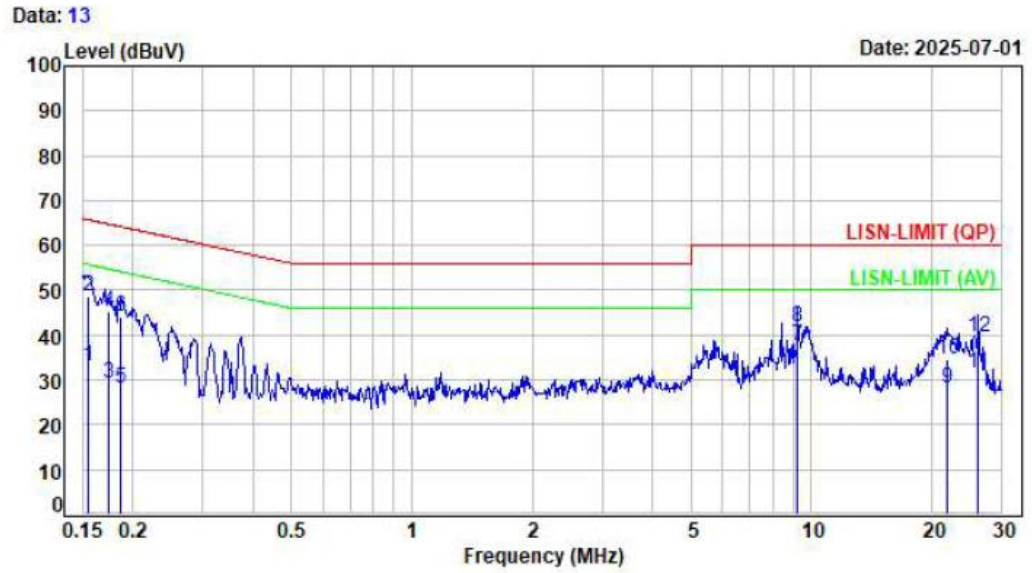


5.4. Test Result and Data

For 25060441

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Phase : Line

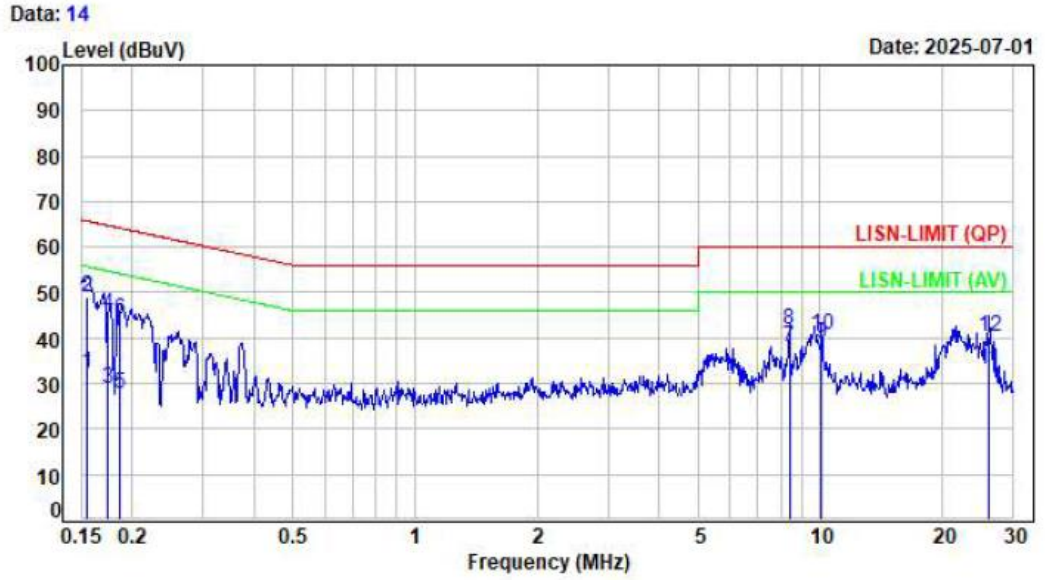


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1548	9.63	23.29	32.92	55.74	-22.82	Average	P
2	0.1548	9.63	39.16	48.79	65.74	-16.95	QP	P
3	0.1742	9.63	19.83	29.46	54.76	-25.30	Average	P
4	0.1742	9.63	35.65	45.28	64.76	-19.48	QP	P
5	0.1862	9.63	18.60	28.23	54.21	-25.98	Average	P
6	0.1862	9.63	34.29	43.92	64.21	-20.29	QP	P
7	9.2282	9.82	27.95	37.77	50.00	-12.23	Average	P
8	9.2282	9.82	31.91	41.73	60.00	-18.27	QP	P
9	21.9147	9.93	18.07	28.00	50.00	-22.00	Average	P
10	21.9147	9.93	24.79	34.72	60.00	-25.28	QP	P
11	26.0217	9.94	21.81	31.75	50.00	-18.25	Average	P
12	26.0217	9.94	29.74	39.68	60.00	-20.32	QP	P

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

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Phase : Neutral



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1552	9.61	22.77	32.38	55.72	-23.34	Average	P
2	0.1552	9.61	39.48	49.09	65.72	-16.63	QP	P
3	0.1738	9.61	19.16	28.77	54.78	-26.01	Average	P
4	0.1738	9.61	35.63	45.24	64.78	-19.54	QP	P
5	0.1869	9.61	17.98	27.59	54.18	-26.59	Average	P
6	0.1869	9.61	34.55	44.16	64.18	-20.02	QP	P
7	8.3918	9.80	28.09	37.89	50.00	-12.11	Average	P
8	8.3918	9.80	32.10	41.90	60.00	-18.10	QP	P
9	10.0688	9.82	28.97	38.79	50.00	-11.21	Average	P
10	10.0688	9.82	30.89	40.71	60.00	-19.29	QP	P
11	26.0107	10.07	23.18	33.25	50.00	-16.75	Average	P
12	26.0107	10.07	30.20	40.27	60.00	-19.73	QP	P

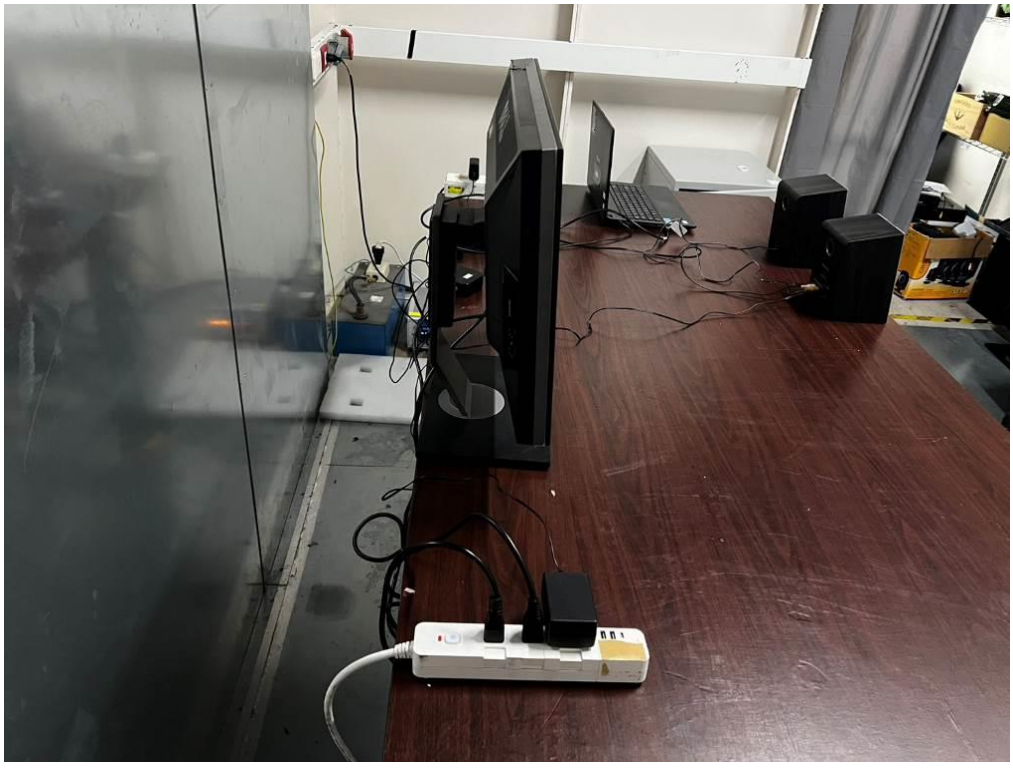
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=(LISN or ISN or Current Probe)Factor + Cable Loss

5.5. Test Photographs

For 25060441

Front View

Rear View



6. Test of Spurious Emission (Radiated)

6.1. Test Limit

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

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.

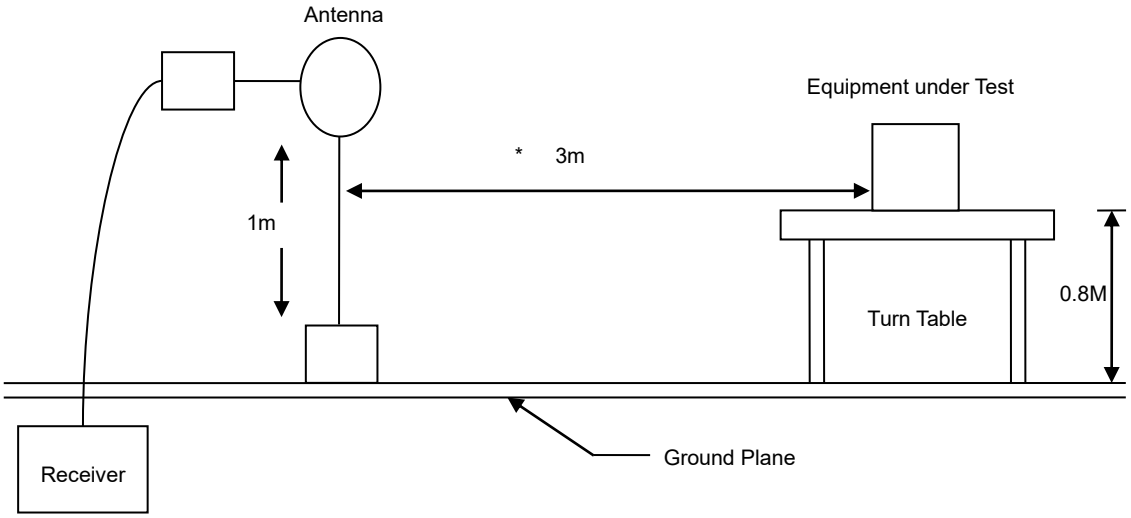
Note:

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.
(X-AXIS is the worst.)

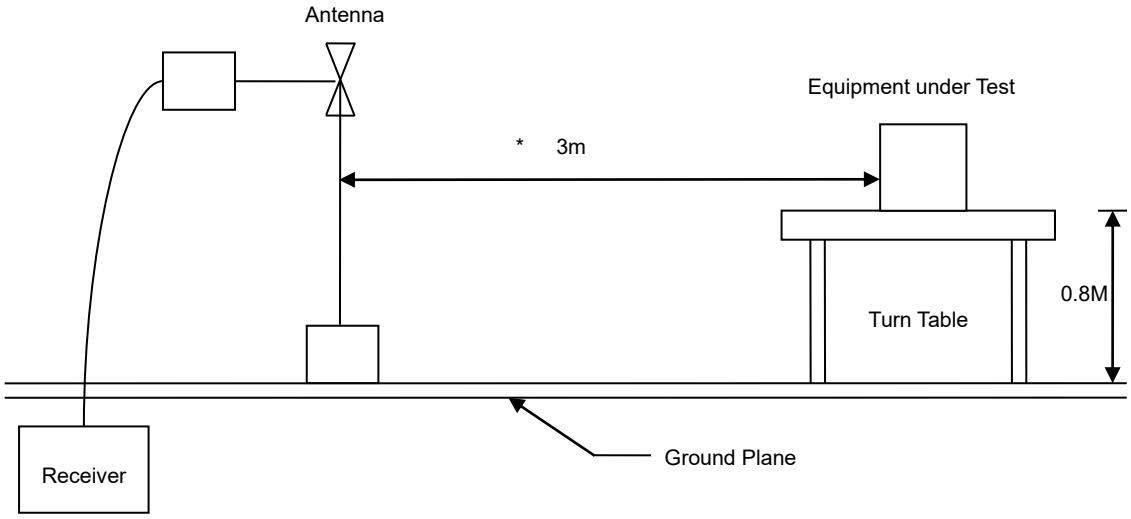
2.Due to the test software function limit the operation band setting(200dBuV/m). There's no corresponding limitation in the actual test item.

6.3. Typical Test Setup

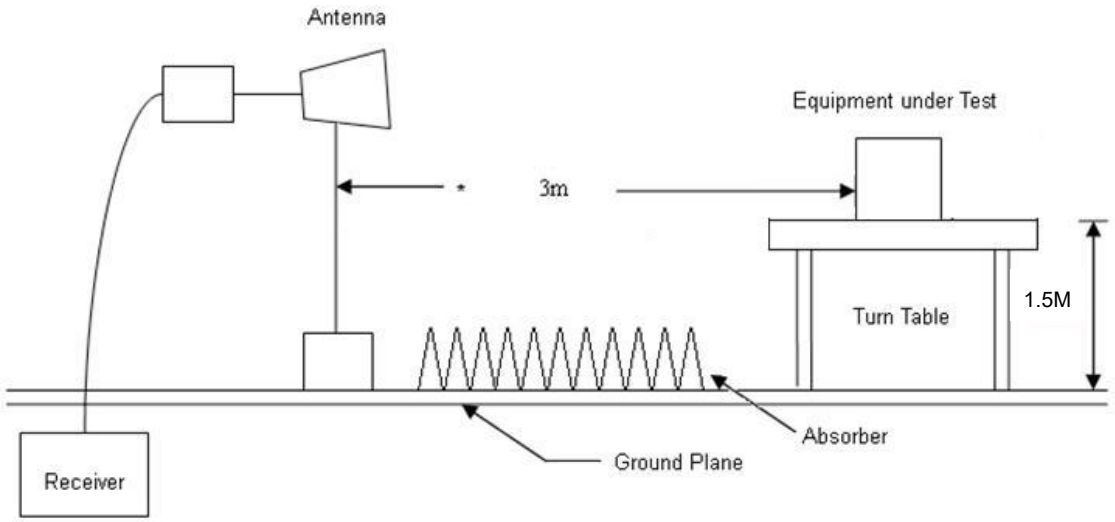
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



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

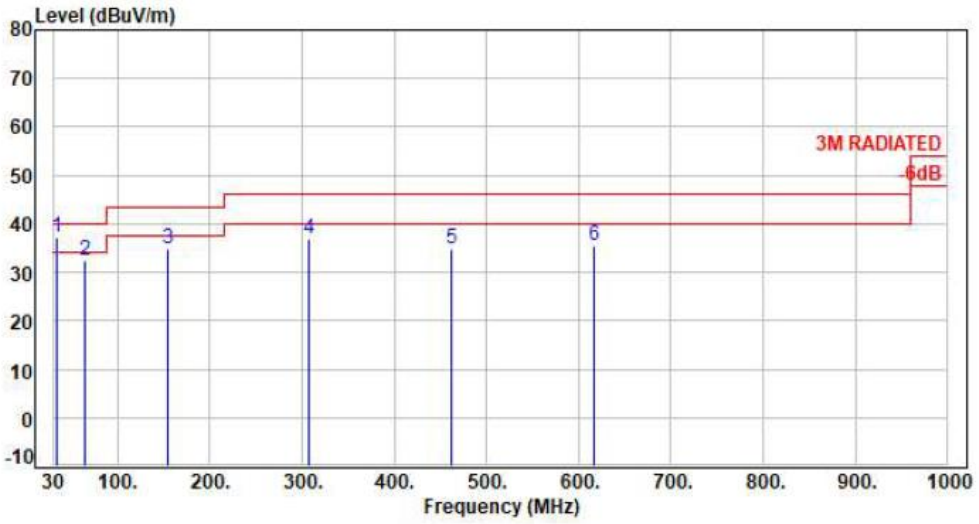
The 9kHz - 30MHz spurious emission is under limit 20dB more.

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

For 25060441

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adpater(AC 120V/60Hz)
Pol : Vertical

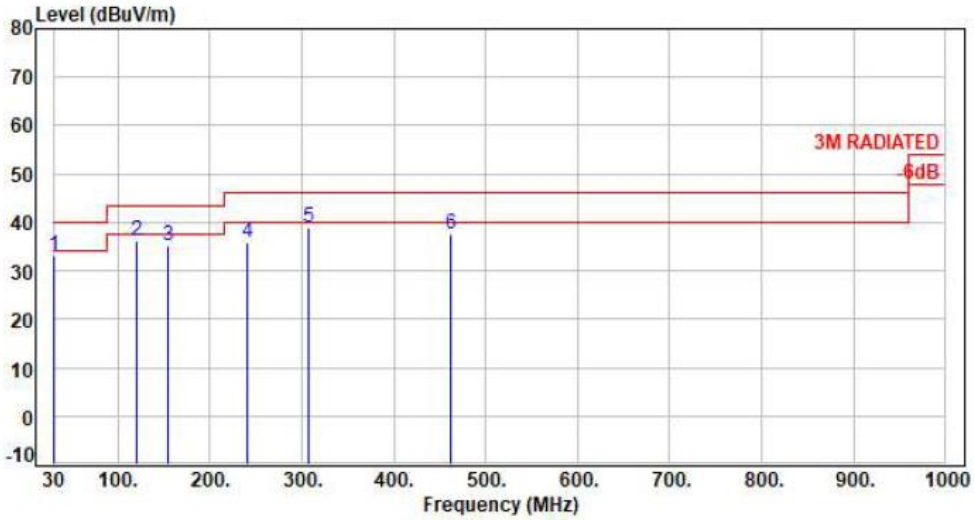


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	33.88	-5.50	42.55	37.05	40.00	-2.95	QP	142	182	P
2	64.92	-15.60	48.12	32.52	40.00	-7.48	QP	140	184	P
3	154.16	-10.89	45.72	34.83	43.50	-8.67	Peak	400	0	P
4	307.42	-8.53	45.53	37.00	46.00	-9.00	Peak	400	0	P
5	462.62	-4.41	39.22	34.81	46.00	-11.19	Peak	400	0	P
6	615.88	-1.68	37.11	35.43	46.00	-10.57	Peak	400	0	P

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

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adpater(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	31.26	-3.49	36.53	33.04	40.00	-6.96	QP	100	110	P
2	121.18	-9.56	45.75	36.19	43.50	-7.31	Peak	400	0	P
3	154.16	-10.89	46.01	35.12	43.50	-8.38	Peak	400	0	P
4	241.46	-10.98	46.71	35.73	46.00	-10.27	Peak	400	0	P
5	307.42	-8.53	47.56	39.03	46.00	-6.97	Peak	400	0	P
6	462.01	-4.45	42.10	37.65	46.00	-8.35	QP	210	20	P

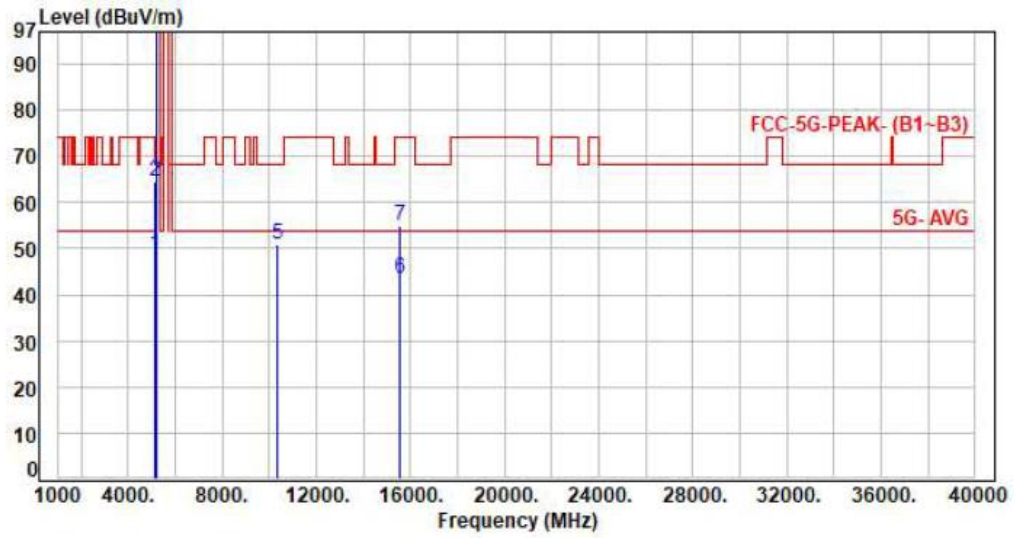
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

6.6. Test Result and Data (1GHz ~ 40GHz)

For 24090226

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH36 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

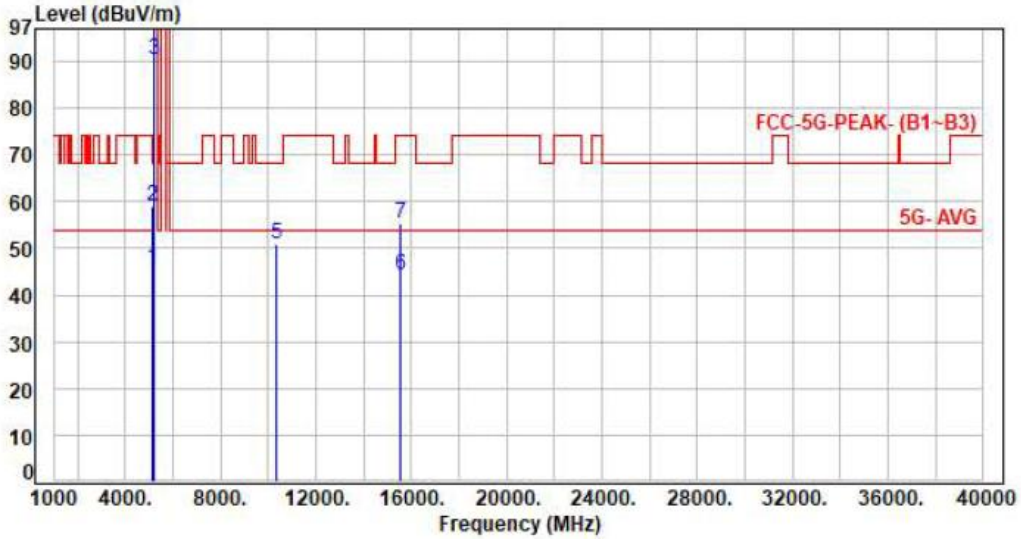


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	49.19	48.85	54.00	-5.15	Average	220	276	P
2	5150.00	-0.34	64.77	64.43	74.00	-9.57	Peak	220	276	P
3	5180.00	-0.41	98.45	98.04	200.00	-101.96	Average	220	276	P
4	5180.00	-0.41	108.41	108.00	200.00	-92.00	Peak	220	276	P
5	10360.00	4.72	46.20	50.92	68.20	-17.28	Peak	100	257	P
6	15540.00	7.27	36.30	43.57	54.00	-10.43	Average	100	151	P
7	15540.00	7.27	47.79	55.06	74.00	-18.94	Peak	100	151	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH36 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

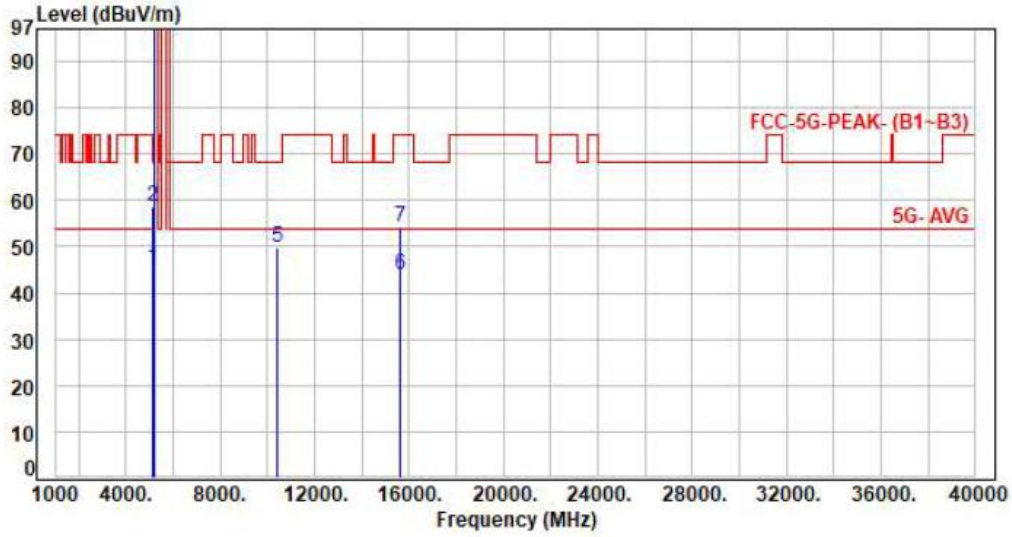


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.92	45.58	54.00	-8.42	Average	352	196	P
2	5150.00	-0.34	59.41	59.07	74.00	-14.93	Peak	352	196	P
3	5180.00	-0.41	90.63	90.22	200.00	-109.78	Average	352	196	P
4	5180.00	-0.41	100.85	100.44	200.00	-99.56	Peak	352	196	P
5	10360.00	4.72	46.15	50.87	68.20	-17.33	Peak	100	113	P
6	15540.00	7.27	36.97	44.24	54.00	-9.76	Average	100	305	P
7	15540.00	7.27	47.88	55.15	74.00	-18.85	Peak	100	305	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH40 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

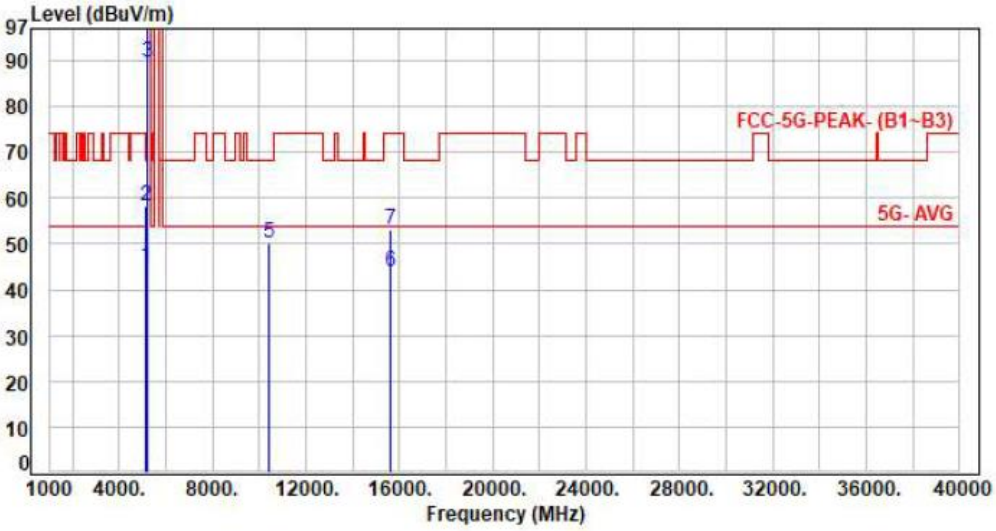


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.60	45.26	54.00	-8.74	Average	228	291	P
2	5150.00	-0.34	58.93	58.59	74.00	-15.41	Peak	228	291	P
3	5200.00	-0.45	98.50	98.05	200.00	-101.95	Average	228	291	P
4	5200.00	-0.45	108.70	108.25	200.00	-91.75	Peak	228	291	P
5	10400.00	4.68	45.13	49.81	68.20	-18.39	Peak	100	255	P
6	15600.00	7.33	36.38	43.71	54.00	-10.29	Average	100	151	P
7	15600.00	7.33	46.84	54.17	74.00	-19.83	Peak	100	151	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH40 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

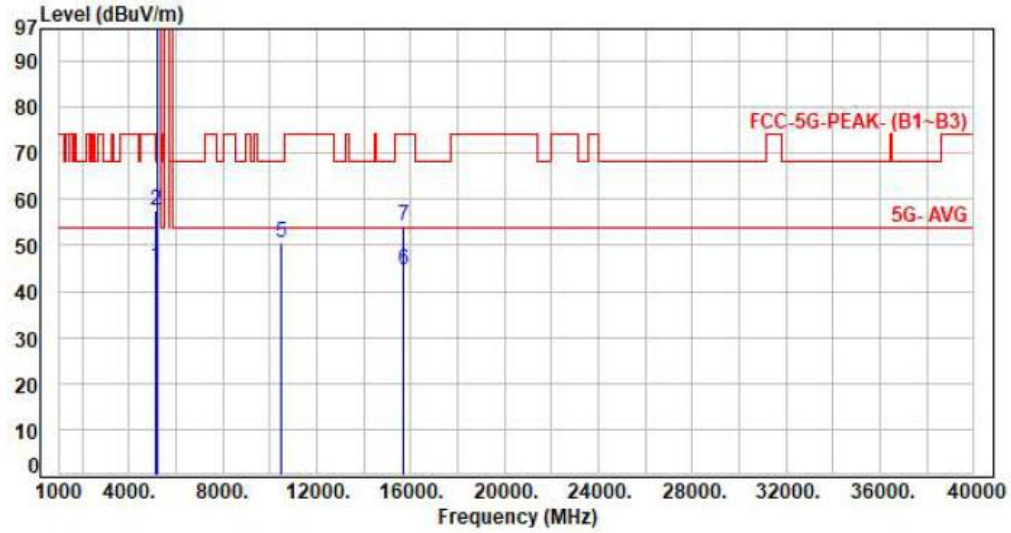


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.51	45.17	54.00	-8.83	Average	203	358	P
2	5150.00	-0.34	58.43	58.09	74.00	-15.91	Peak	203	358	P
3	5200.00	-0.45	90.21	89.76	200.00	-110.24	Average	203	358	P
4	5200.00	-0.45	100.54	100.09	200.00	-99.91	Peak	203	358	P
5	10400.00	4.68	45.50	50.18	68.20	-18.02	Peak	100	110	P
6	15600.00	7.33	36.63	43.96	54.00	-10.04	Average	100	306	P
7	15600.00	7.33	45.82	53.15	74.00	-20.85	Peak	100	306	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH48 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

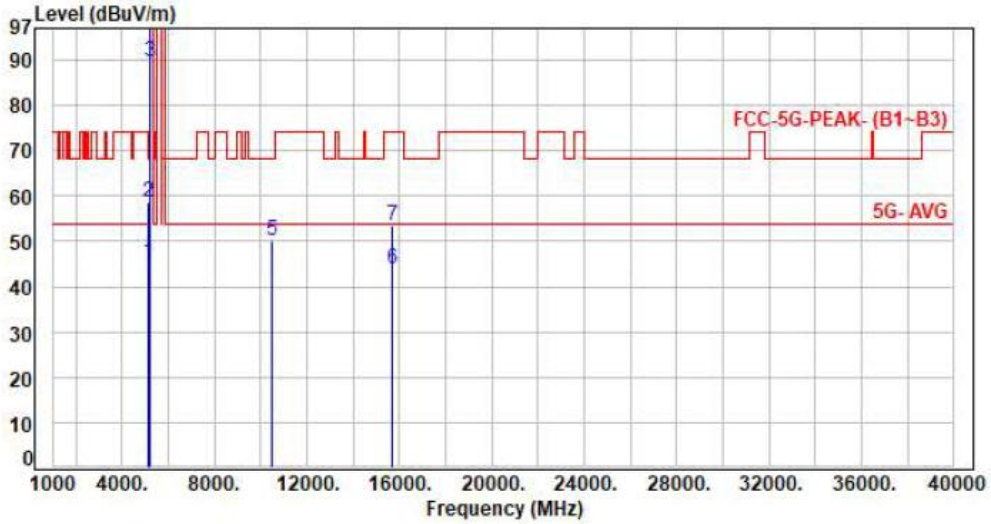


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.74	45.40	54.00	-8.60	Average	193	294	P
2	5150.00	-0.34	57.89	57.55	74.00	-16.45	Peak	193	294	P
3	5240.00	-0.54	99.32	98.78	200.00	-101.22	Average	193	294	P
4	5240.00	-0.54	109.19	108.65	200.00	-91.35	Peak	193	294	P
5	10480.00	4.50	46.17	50.67	68.20	-17.53	Peak	100	255	P
6	15720.00	7.60	36.85	44.45	54.00	-9.55	Average	100	154	P
7	15720.00	7.60	46.63	54.23	74.00	-19.77	Peak	100	154	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH48 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

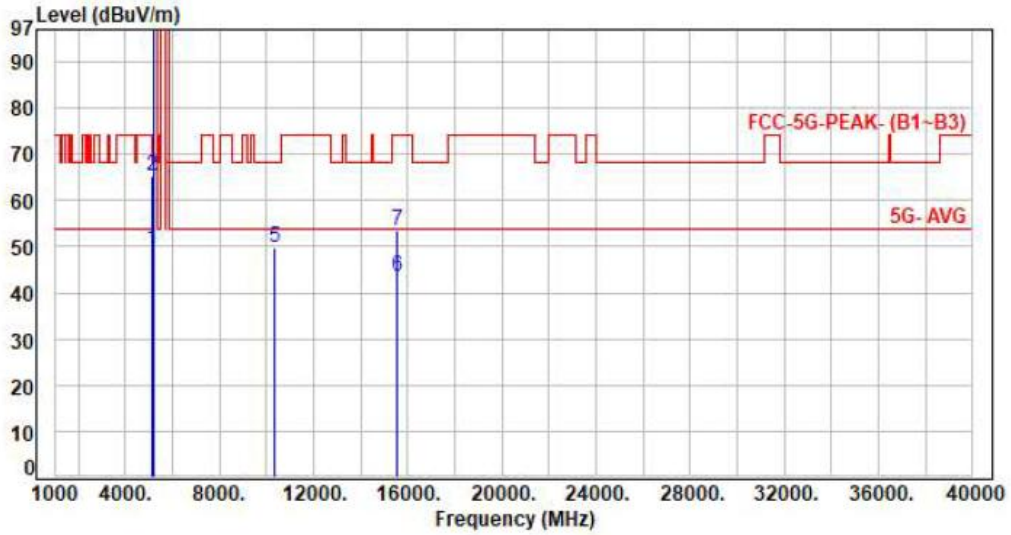


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.56	45.22	54.00	-8.78	Average	227	212	P
2	5150.00	-0.34	58.88	58.54	74.00	-15.46	Peak	227	212	P
3	5240.00	-0.54	90.34	89.80	200.00	-110.20	Average	227	212	P
4	5240.00	-0.54	100.48	99.94	200.00	-100.06	Peak	227	212	P
5	10480.00	4.50	45.52	50.02	68.20	-18.18	Peak	100	104	P
6	15720.00	7.60	36.15	43.75	54.00	-10.25	Average	100	310	P
7	15720.00	7.60	46.05	53.65	74.00	-20.35	Peak	100	310	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH36 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

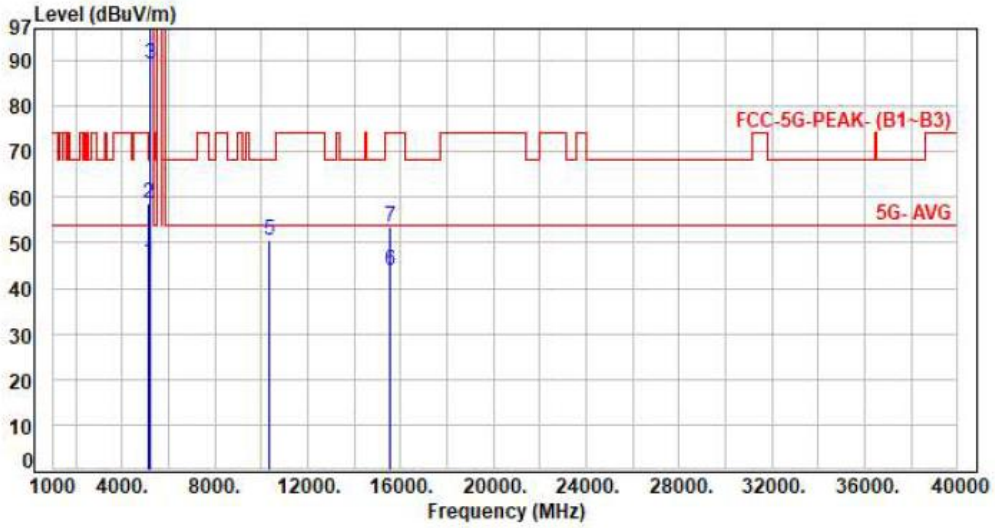


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	49.92	49.58	54.00	-4.42	Average	185	275	P
2	5150.00	-0.34	65.61	65.27	74.00	-8.73	Peak	185	275	P
3	5180.00	-0.41	98.10	97.69	200.00	-102.31	Average	185	275	P
4	5180.00	-0.41	107.86	107.45	200.00	-92.55	Peak	185	275	P
5	10360.00	4.72	45.13	49.85	68.20	-18.35	Peak	100	249	P
6	15540.00	7.27	36.37	43.64	54.00	-10.36	Average	100	156	P
7	15540.00	7.27	46.31	53.58	74.00	-20.42	Peak	100	156	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH36 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

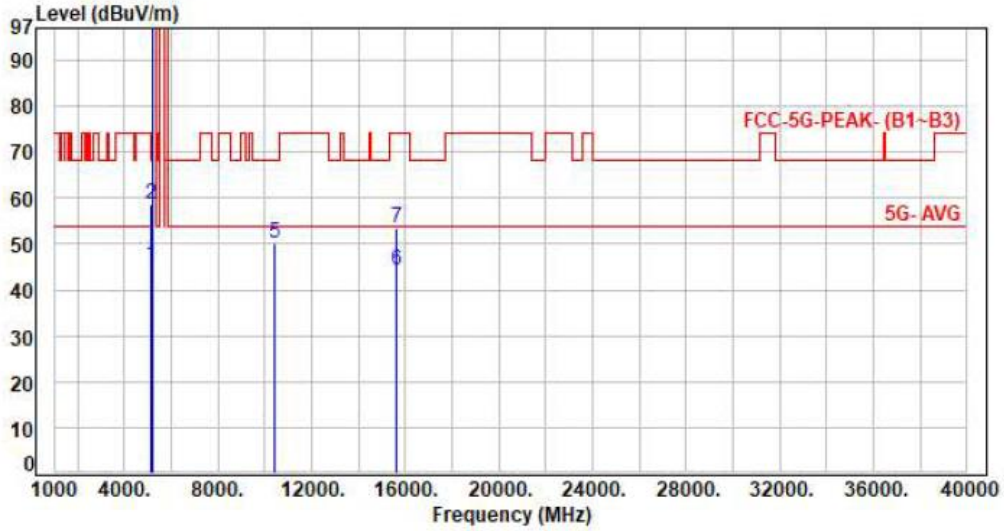


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	46.06	45.72	54.00	-8.28	Average	217	213	P
2	5150.00	-0.34	58.97	58.63	74.00	-15.37	Peak	217	213	P
3	5180.00	-0.41	89.56	89.15	200.00	-110.85	Average	217	213	P
4	5180.00	-0.41	99.97	99.56	200.00	-100.44	Peak	217	213	P
5	10360.00	4.72	45.92	50.64	68.20	-17.56	Peak	100	101	P
6	15540.00	7.27	36.67	43.94	54.00	-10.06	Average	100	305	P
7	15540.00	7.27	46.12	53.39	74.00	-20.61	Peak	100	305	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH40 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

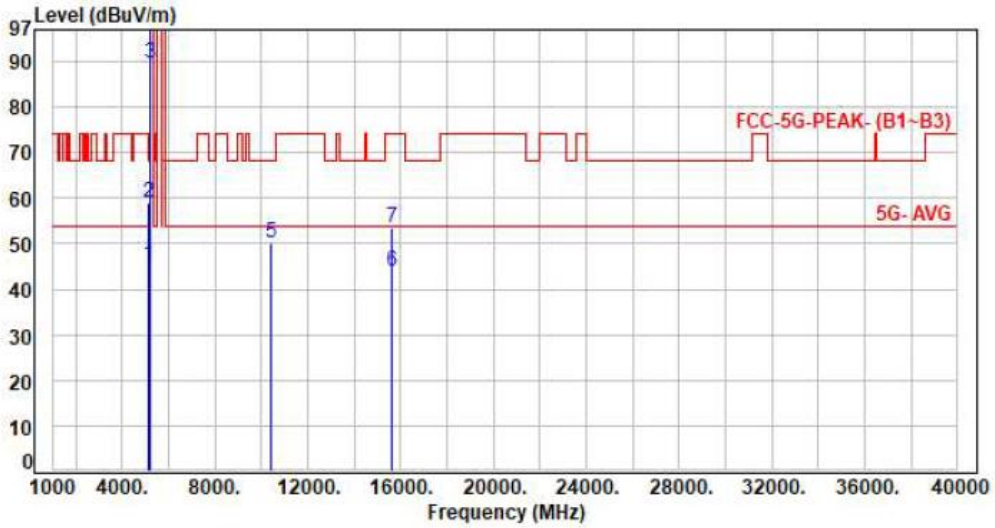


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.66	45.32	54.00	-8.68	Average	193	291	P
2	5150.00	-0.34	58.95	58.61	74.00	-15.39	Peak	193	291	P
3	5200.00	-0.45	98.68	98.23	200.00	-101.77	Average	193	291	P
4	5200.00	-0.45	108.56	108.11	200.00	-91.89	Peak	193	291	P
5	10400.00	4.68	45.37	50.05	68.20	-18.15	Peak	100	255	P
6	15600.00	7.33	36.77	44.10	54.00	-9.90	Average	100	151	P
7	15600.00	7.33	46.20	53.53	74.00	-20.47	Peak	100	151	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH40 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

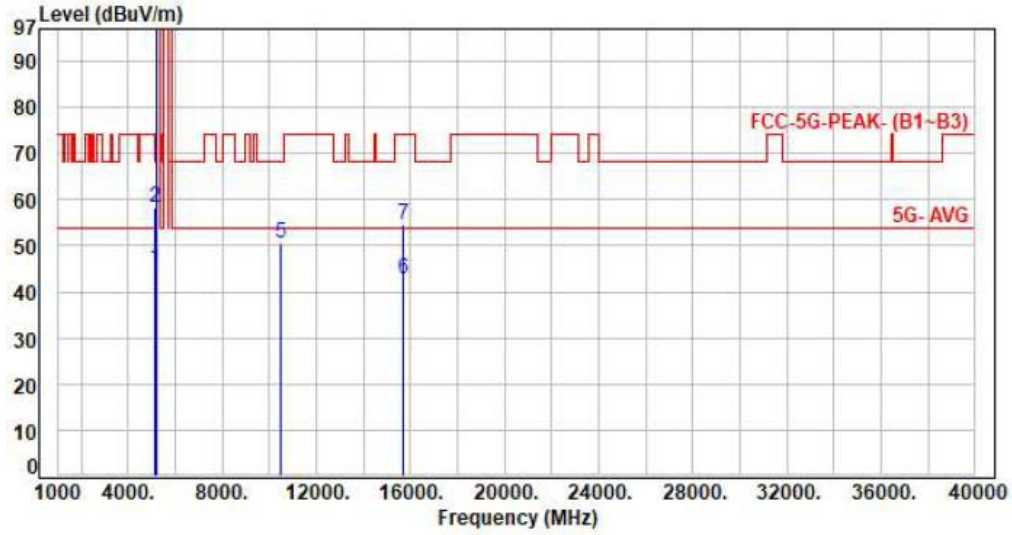


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.55	45.21	54.00	-8.79	Average	202	358	P
2	5150.00	-0.34	59.25	58.91	74.00	-15.09	Peak	202	358	P
3	5200.00	-0.45	90.03	89.58	200.00	-110.42	Average	202	358	P
4	5200.00	-0.45	99.53	99.08	200.00	-100.92	Peak	202	358	P
5	10400.00	4.68	45.46	50.14	68.20	-18.06	Peak	100	107	P
6	15600.00	7.33	36.58	43.91	54.00	-10.09	Average	100	307	P
7	15600.00	7.33	46.30	53.63	74.00	-20.37	Peak	100	307	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH48 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

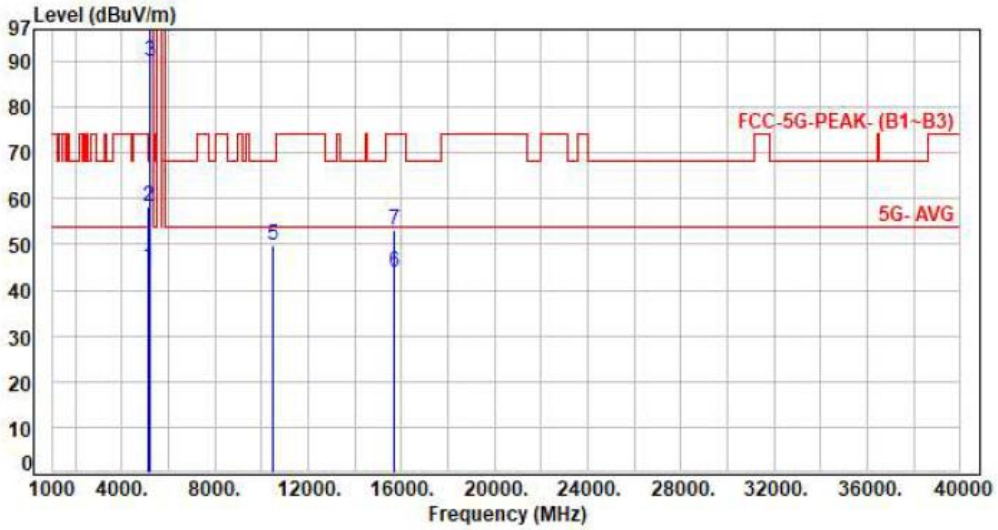


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.50	45.16	54.00	-8.84	Average	193	289	P
2	5150.00	-0.34	58.75	58.41	74.00	-15.59	Peak	193	289	P
3	5240.00	-0.54	98.92	98.38	200.00	-101.62	Average	193	289	P
4	5240.00	-0.54	109.34	108.80	200.00	-91.20	Peak	193	289	P
5	10480.00	4.50	46.13	50.63	68.20	-17.57	Peak	100	256	P
6	15720.00	7.60	35.28	42.88	54.00	-11.12	Average	100	157	P
7	15720.00	7.60	47.06	54.66	74.00	-19.34	Peak	100	157	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH48 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

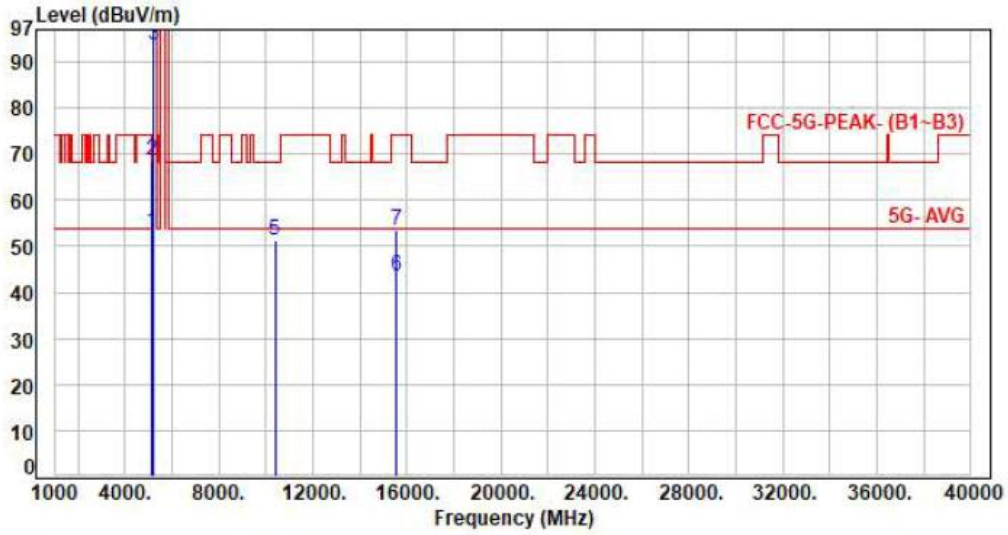


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	45.44	45.10	54.00	-8.90	Average	363	195	P
2	5150.00	-0.34	58.72	58.38	74.00	-15.62	Peak	363	195	P
3	5240.00	-0.54	90.61	90.07	200.00	-109.93	Average	363	195	P
4	5240.00	-0.54	100.50	99.96	200.00	-100.04	Peak	363	195	P
5	10480.00	4.50	45.47	49.97	68.20	-18.23	Peak	100	101	P
6	15720.00	7.60	36.14	43.74	54.00	-10.26	Average	100	297	P
7	15720.00	7.60	45.64	53.24	74.00	-20.76	Peak	100	297	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH38 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

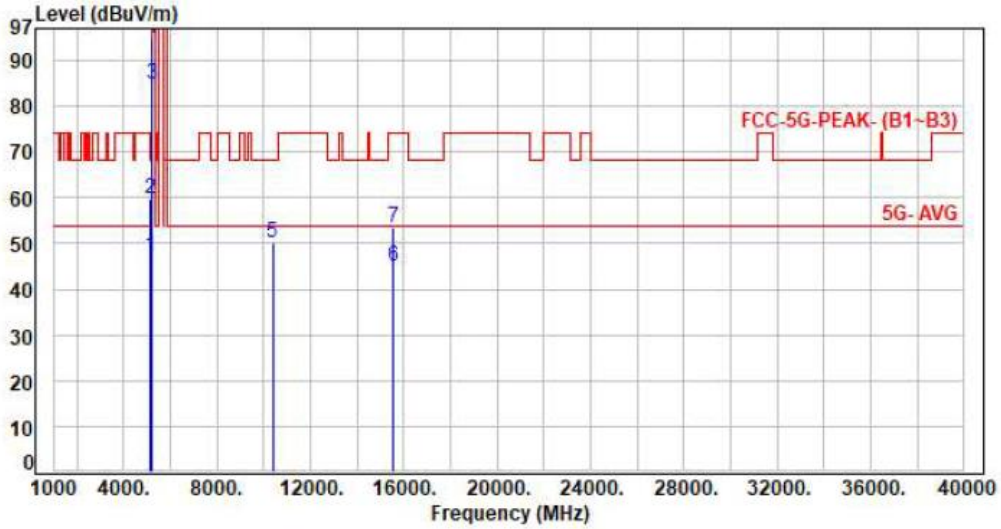


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	53.52	53.18	54.00	-0.82	Average	172	289	P
2	5150.00	-0.34	68.90	68.56	74.00	-5.44	Peak	172	289	P
3	5190.00	-0.44	94.27	93.83	200.00	-106.17	Average	172	289	P
4	5190.00	-0.44	104.03	103.59	200.00	-96.41	Peak	172	289	P
5	10380.00	4.70	46.46	51.16	68.20	-17.04	Peak	100	254	P
6	15570.00	7.29	36.37	43.66	54.00	-10.34	Average	100	155	P
7	15570.00	7.29	46.09	53.38	74.00	-20.62	Peak	100	155	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH38 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

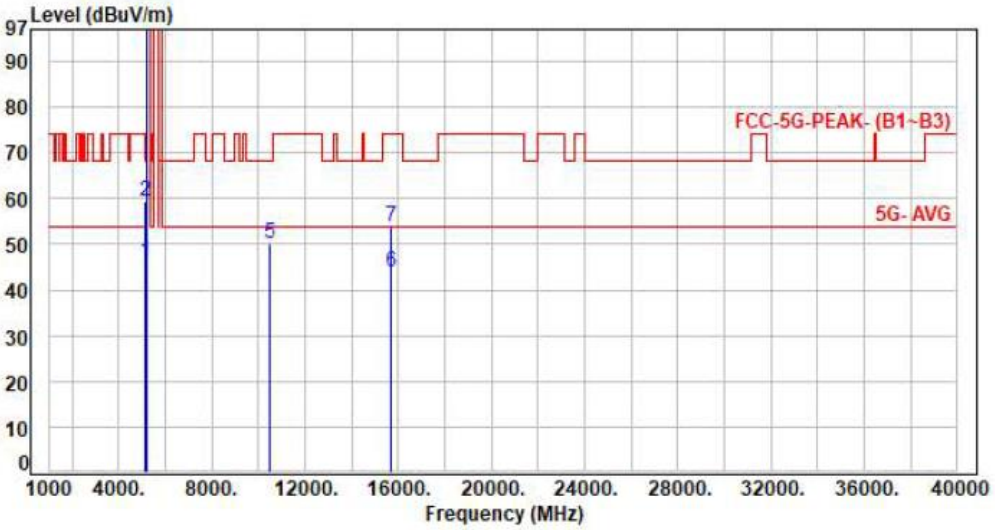


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	47.67	47.33	54.00	-6.67	Average	261	195	P
2	5150.00	-0.34	59.98	59.64	74.00	-14.36	Peak	261	195	P
3	5190.00	-0.44	85.25	84.81	200.00	-115.19	Average	261	195	P
4	5190.00	-0.44	95.34	94.90	200.00	-105.10	Peak	261	195	P
5	10380.00	4.70	45.56	50.26	68.20	-17.94	Peak	100	111	P
6	15570.00	7.29	37.59	44.88	54.00	-9.12	Average	100	299	P
7	15570.00	7.29	46.06	53.35	74.00	-20.65	Peak	100	299	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH46 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

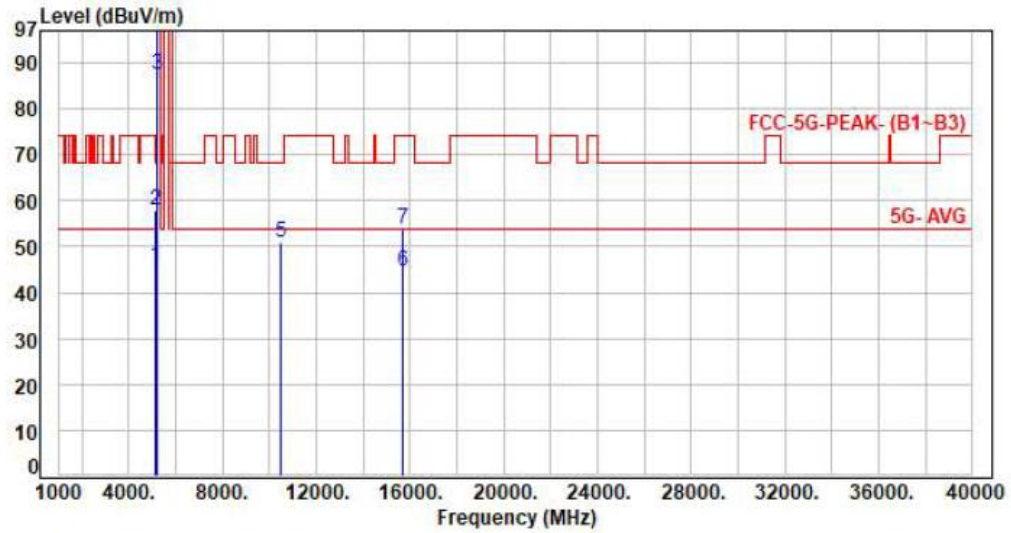


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	46.35	46.01	54.00	-7.99	Average	100	291	P
2	5150.00	-0.34	59.69	59.35	74.00	-14.65	Peak	100	291	P
3	5230.00	-0.52	96.22	95.70	200.00	-104.30	Average	100	291	P
4	5230.00	-0.52	106.41	105.89	200.00	-94.11	Peak	100	291	P
5	10460.00	4.49	45.63	50.12	68.20	-18.08	Peak	100	253	P
6	15690.00	7.44	36.50	43.94	54.00	-10.06	Average	100	152	P
7	15690.00	7.44	46.31	53.75	74.00	-20.25	Peak	100	152	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH46 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

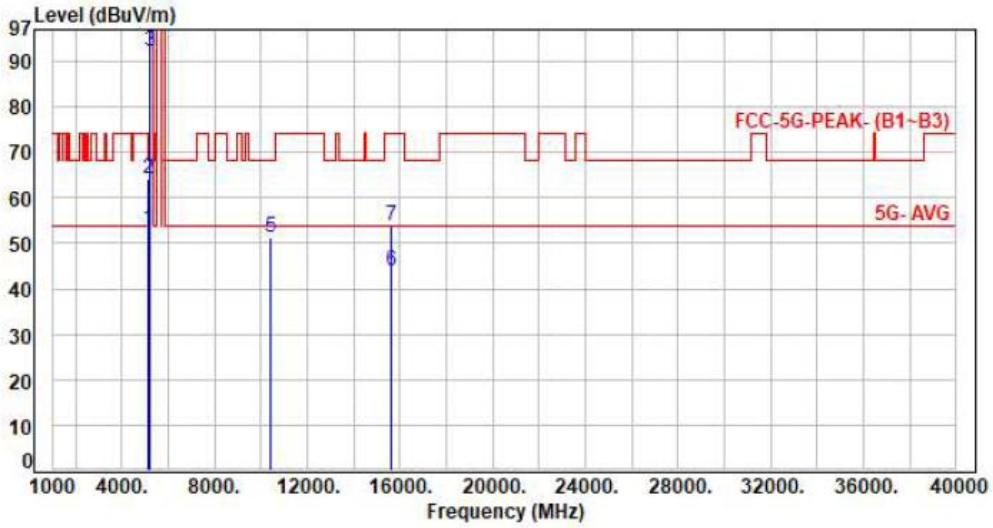


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	46.13	45.79	54.00	-8.21	Average	257	195	P
2	5150.00	-0.34	58.38	58.04	74.00	-15.96	Peak	257	195	P
3	5230.00	-0.52	88.07	87.55	200.00	-112.45	Average	257	195	P
4	5230.00	-0.52	97.48	96.96	200.00	-103.04	Peak	257	195	P
5	10460.00	4.49	46.31	50.80	68.20	-17.40	Peak	100	103	P
6	15690.00	7.44	37.13	44.57	54.00	-9.43	Average	100	302	P
7	15690.00	7.44	46.58	54.02	74.00	-19.98	Peak	100	302	P

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

Test Mode	Mode 4, Band 1

Test Mode : 1TX 11ac80 CH42 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

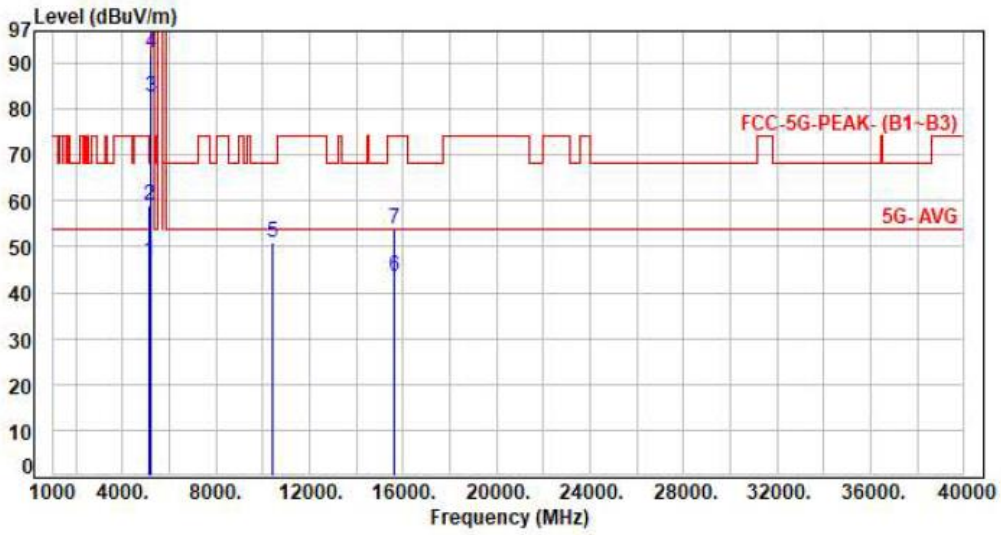


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	53.51	53.17	54.00	-0.83	Average	194	290	P
2	5150.00	-0.34	64.58	64.24	74.00	-9.76	Peak	194	290	P
3	5210.00	-0.47	92.72	92.25	200.00	-107.75	Average	194	290	P
4	5210.00	-0.47	102.28	101.81	200.00	-98.19	Peak	194	290	P
5	10420.00	4.61	46.82	51.43	68.20	-16.77	Peak	100	257	P
6	15630.00	7.31	36.55	43.86	54.00	-10.14	Average	100	152	P
7	15630.00	7.31	46.48	53.79	74.00	-20.21	Peak	100	152	P

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

Test Mode	Mode 4, Band 1

Test Mode : 1TX 11ac80 CH42 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

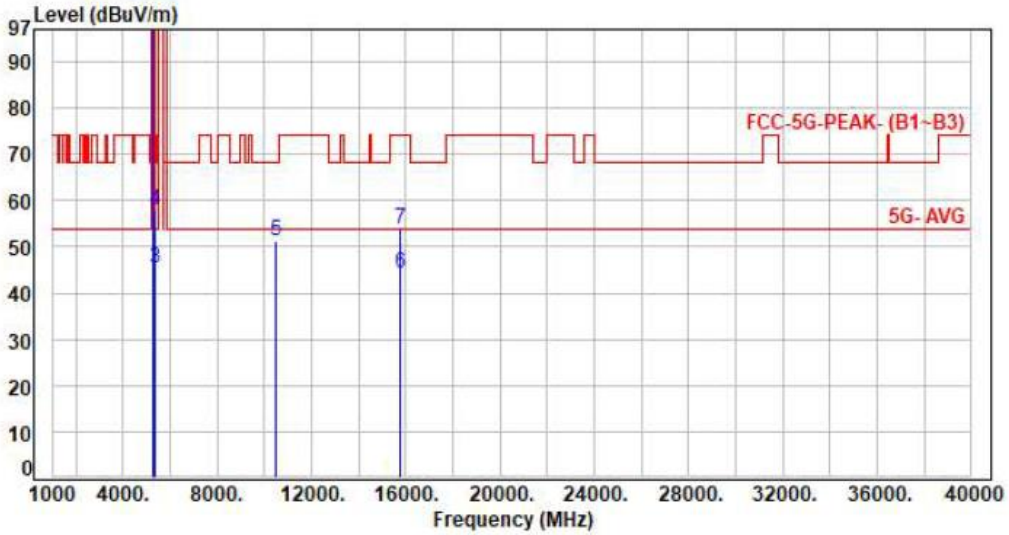


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	-0.34	47.25	46.91	54.00	-7.09	Average	345	197	P
2	5150.00	-0.34	59.27	58.93	74.00	-15.07	Peak	345	197	P
3	5210.00	-0.47	82.92	82.45	200.00	-117.55	Average	345	197	P
4	5210.00	-0.47	92.58	92.11	200.00	-107.89	Peak	345	197	P
5	10420.00	4.61	46.16	50.77	68.20	-17.43	Peak	100	102	P
6	15630.00	7.31	36.29	43.60	54.00	-10.40	Average	100	301	P
7	15630.00	7.31	46.47	53.78	74.00	-20.22	Peak	100	301	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH52 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

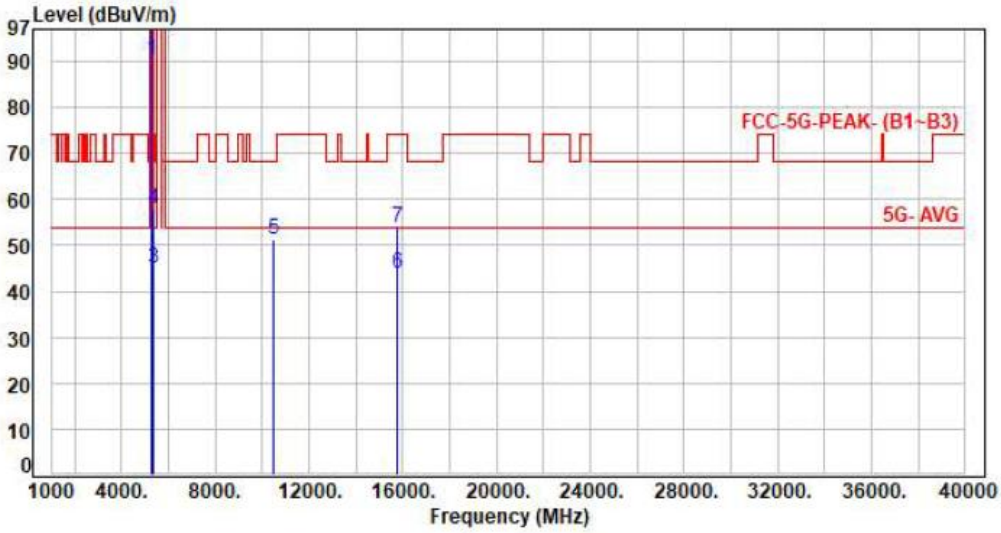


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.56	99.10	98.54	200.00	-101.46	Average	165	296	P
2	5260.00	-0.56	109.02	108.46	200.00	-91.54	Peak	165	296	P
3	5350.00	-0.67	45.88	45.21	54.00	-8.79	Average	165	296	P
4	5350.00	-0.67	58.75	58.08	74.00	-15.92	Peak	165	296	P
5	10520.00	4.58	46.87	51.45	68.20	-16.75	Peak	100	254	P
6	15780.00	7.71	36.49	44.20	54.00	-9.80	Average	100	157	P
7	15780.00	7.71	46.18	53.89	74.00	-20.11	Peak	100	157	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH52 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

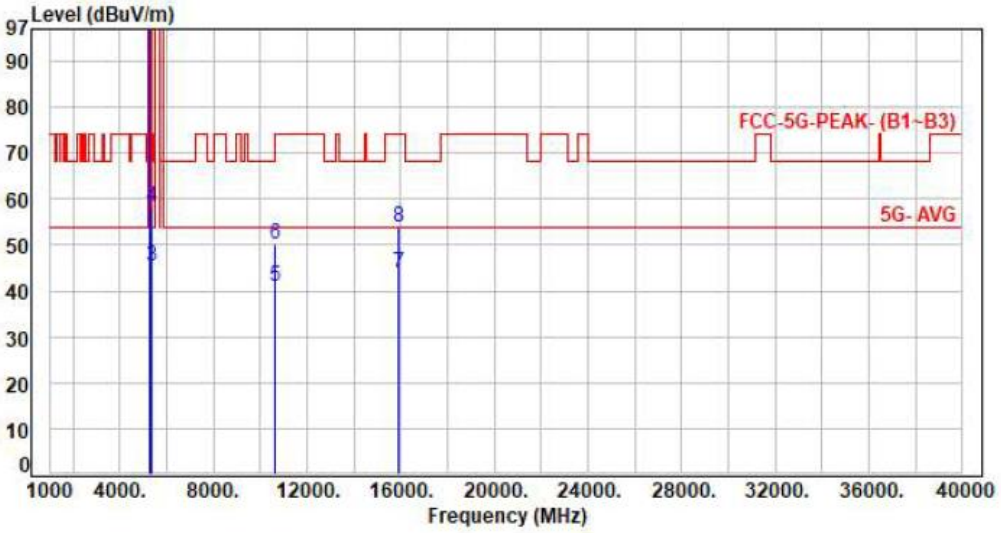


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.56	90.81	90.25	200.00	-109.75	Average	360	195	P
2	5260.00	-0.56	101.14	100.58	200.00	-99.42	Peak	360	195	P
3	5350.00	-0.67	45.82	45.15	54.00	-8.85	Average	360	195	P
4	5350.00	-0.67	58.61	57.94	74.00	-16.06	Peak	360	195	P
5	10520.00	4.58	46.62	51.20	68.20	-17.00	Peak	100	105	P
6	15780.00	7.71	36.32	44.03	54.00	-9.97	Average	100	304	P
7	15780.00	7.71	46.11	53.82	74.00	-20.18	Peak	100	304	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH60 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

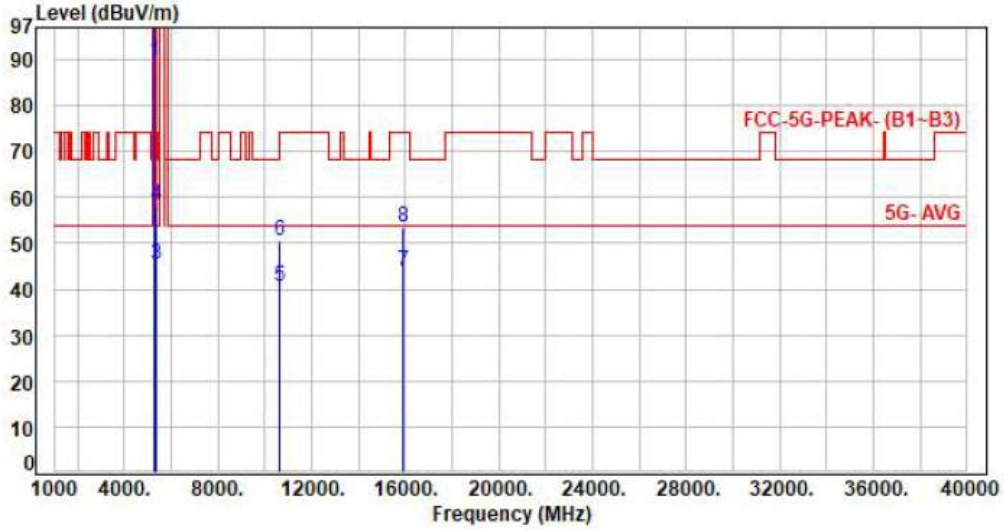


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.56	98.48	97.92	200.00	-102.08	Average	157	290	P
2	5300.00	-0.56	109.53	108.97	200.00	-91.03	Peak	157	290	P
3	5350.00	-0.67	46.17	45.50	54.00	-8.50	Average	157	290	P
4	5350.00	-0.67	59.03	58.36	74.00	-15.64	Peak	157	290	P
5	10600.00	4.69	36.30	40.99	54.00	-13.01	Average	100	256	P
6	10600.00	4.69	45.58	50.27	74.00	-23.73	Peak	100	256	P
7	15900.00	7.60	36.31	43.91	54.00	-10.09	Average	100	152	P
8	15900.00	7.60	46.17	53.77	74.00	-20.23	Peak	100	152	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH60 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

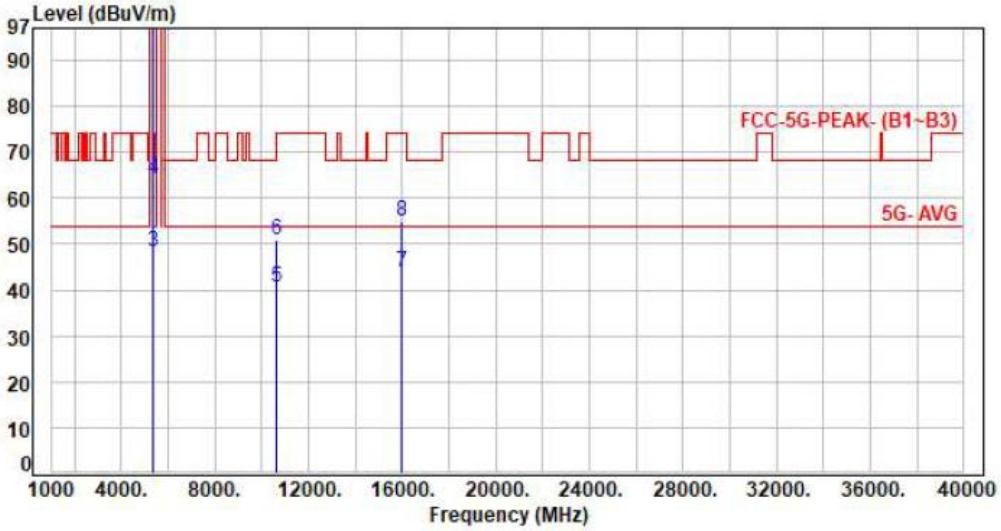


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.56	90.22	89.66	200.00	-110.34	Average	224	211	P
2	5300.00	-0.56	100.36	99.80	200.00	-100.20	Peak	224	211	P
3	5350.00	-0.67	46.13	45.46	54.00	-8.54	Average	224	211	P
4	5350.00	-0.67	59.00	58.33	74.00	-15.67	Peak	224	211	P
5	10600.00	4.69	36.04	40.73	54.00	-13.27	Average	100	102	P
6	10600.00	4.69	45.90	50.59	74.00	-23.41	Peak	100	102	P
7	15900.00	7.60	36.47	44.07	54.00	-9.93	Average	100	305	P
8	15900.00	7.60	46.03	53.63	74.00	-20.37	Peak	100	305	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH64 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

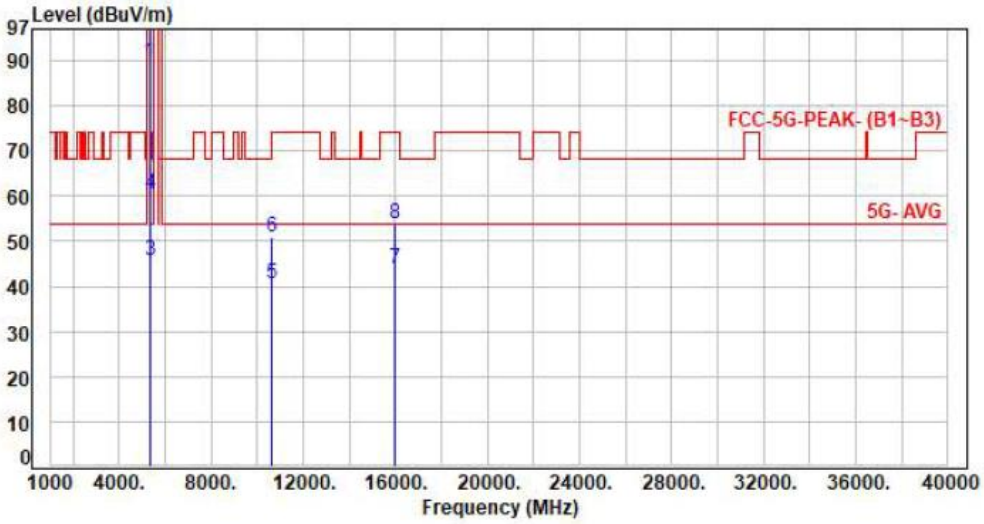


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.61	98.55	97.94	200.00	-102.06	Average	165	296	P
2	5320.00	-0.61	108.71	108.10	200.00	-91.90	Peak	165	296	P
3	5350.00	-0.67	48.83	48.16	54.00	-5.84	Average	165	296	P
4	5350.00	-0.67	64.76	64.09	74.00	-9.91	Peak	165	296	P
5	10640.00	4.70	35.84	40.54	54.00	-13.46	Average	100	254	P
6	10640.00	4.70	46.13	50.83	74.00	-23.17	Peak	100	254	P
7	15960.00	7.49	36.38	43.87	54.00	-10.13	Average	100	150	P
8	15960.00	7.49	47.31	54.80	74.00	-19.20	Peak	100	150	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH64 6Mbps
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

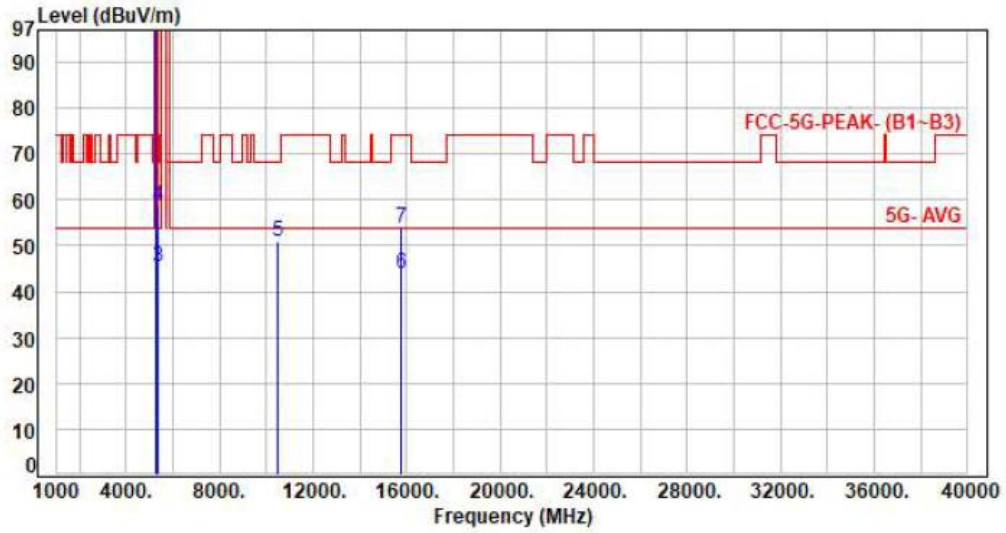


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.61	90.14	89.53	200.00	-110.47	Average	118	211	P
2	5320.00	-0.61	100.84	100.23	200.00	-99.77	Peak	118	211	P
3	5350.00	-0.67	46.50	45.83	54.00	-8.17	Average	118	211	P
4	5350.00	-0.67	61.25	60.58	74.00	-13.42	Peak	118	211	P
5	10640.00	4.70	36.00	40.70	54.00	-13.30	Average	100	106	P
6	10640.00	4.70	46.10	50.80	74.00	-23.20	Peak	100	106	P
7	15960.00	7.49	36.33	43.82	54.00	-10.18	Average	100	299	P
8	15960.00	7.49	46.28	53.77	74.00	-20.23	Peak	100	299	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH52 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

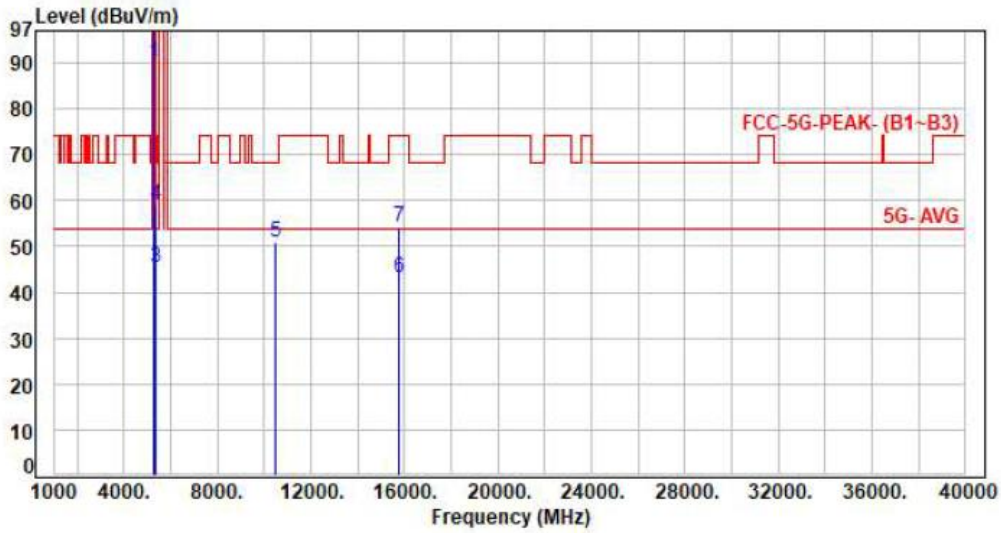


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.56	98.25	97.69	200.00	-102.31	Average	170	290	P
2	5260.00	-0.56	108.32	107.76	200.00	-92.24	Peak	170	290	P
3	5350.00	-0.67	45.97	45.30	54.00	-8.70	Average	170	290	P
4	5350.00	-0.67	59.34	58.67	74.00	-15.33	Peak	170	290	P
5	10520.00	4.58	46.28	50.86	68.20	-17.34	Peak	100	253	P
6	15780.00	7.71	36.11	43.82	54.00	-10.18	Average	100	154	P
7	15780.00	7.71	46.26	53.97	74.00	-20.03	Peak	100	154	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH52 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

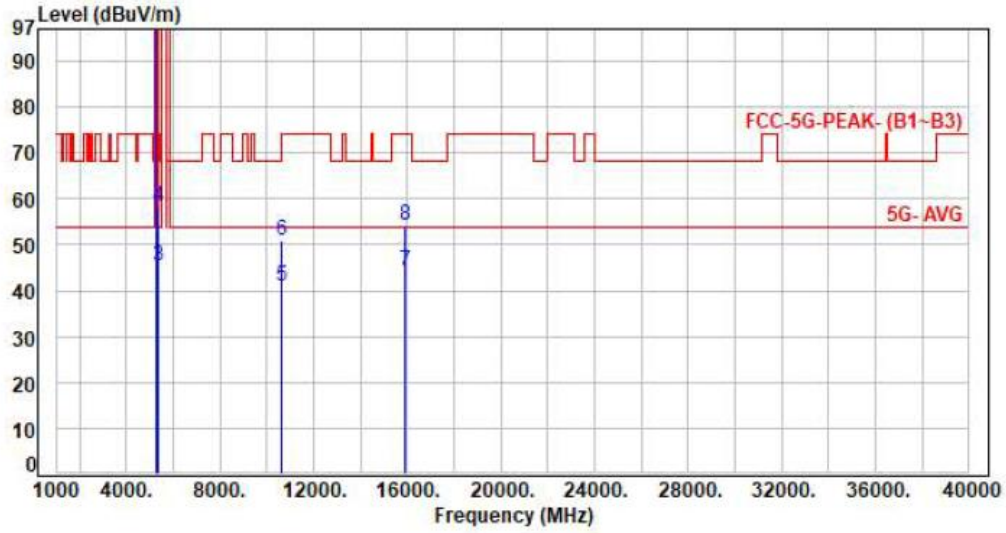


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.56	90.51	89.95	200.00	-110.05	Average	361	194	P
2	5260.00	-0.56	100.58	100.02	200.00	-99.98	Peak	361	194	P
3	5350.00	-0.67	45.86	45.19	54.00	-8.81	Average	361	194	P
4	5350.00	-0.67	59.63	58.96	74.00	-15.04	Peak	361	194	P
5	10520.00	4.58	46.29	50.87	68.20	-17.33	Peak	100	107	P
6	15780.00	7.71	35.40	43.11	54.00	-10.89	Average	100	300	P
7	15780.00	7.71	46.48	54.19	74.00	-19.81	Peak	100	300	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH60 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

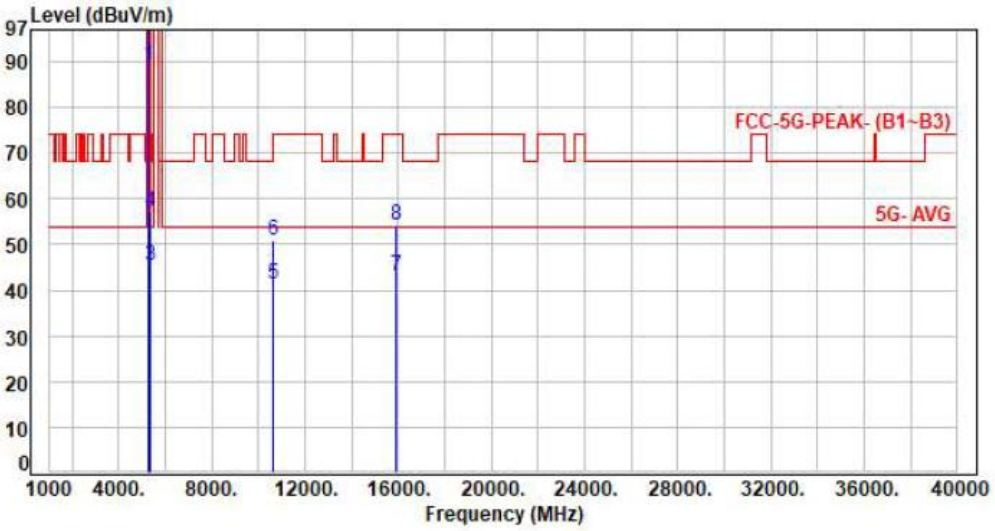


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.56	98.50	97.94	200.00	-102.06	Average	163	282	P
2	5300.00	-0.56	108.71	108.15	200.00	-91.85	Peak	163	282	P
3	5350.00	-0.67	46.02	45.35	54.00	-8.65	Average	163	282	P
4	5350.00	-0.67	59.10	58.43	74.00	-15.57	Peak	163	282	P
5	10600.00	4.69	36.43	41.12	54.00	-12.88	Average	100	252	P
6	10600.00	4.69	46.35	51.04	74.00	-22.96	Peak	100	252	P
7	15900.00	7.60	36.69	44.29	54.00	-9.71	Average	100	154	P
8	15900.00	7.60	46.49	54.09	74.00	-19.91	Peak	100	154	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH60 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

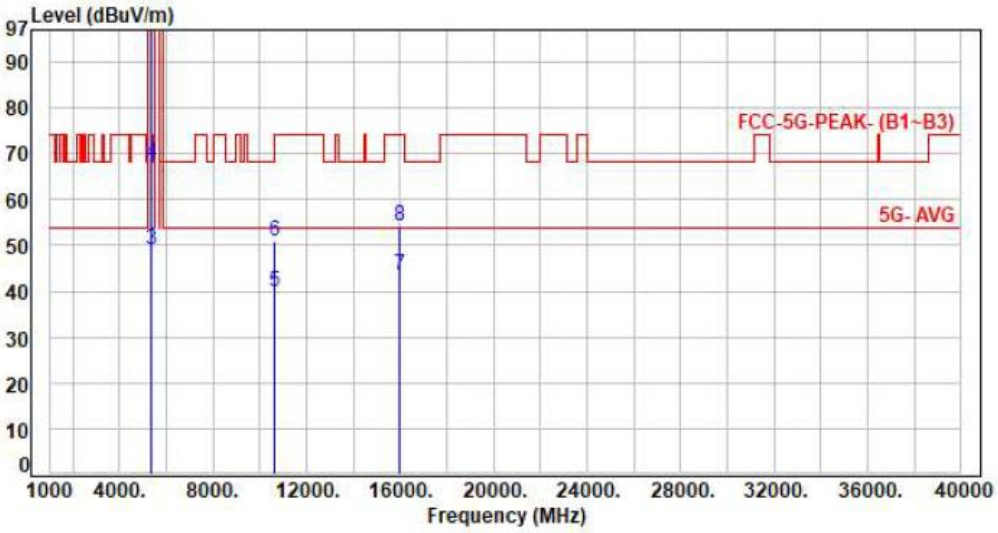


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.56	89.70	89.14	200.00	-110.86	Average	101	212	P
2	5300.00	-0.56	100.24	99.68	200.00	-100.32	Peak	101	212	P
3	5350.00	-0.67	45.89	45.22	54.00	-8.78	Average	101	212	P
4	5350.00	-0.67	57.92	57.25	74.00	-16.75	Peak	101	212	P
5	10600.00	4.69	36.51	41.20	54.00	-12.80	Average	100	107	P
6	10600.00	4.69	46.30	50.99	74.00	-23.01	Peak	100	107	P
7	15900.00	7.60	35.59	43.19	54.00	-10.81	Average	100	305	P
8	15900.00	7.60	46.46	54.06	74.00	-19.94	Peak	100	305	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH64 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

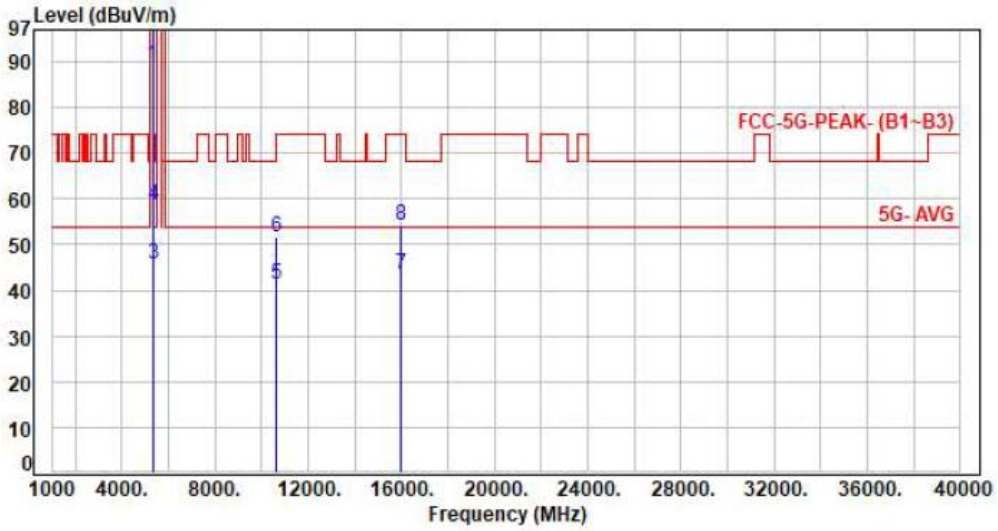


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.61	98.56	97.95	200.00	-102.05	Average	153	297	P
2	5320.00	-0.61	108.68	108.07	200.00	-91.93	Peak	153	297	P
3	5350.00	-0.67	49.62	48.95	54.00	-5.05	Average	153	297	P
4	5350.00	-0.67	68.41	67.74	74.00	-6.26	Peak	153	297	P
5	10640.00	4.70	35.31	40.01	54.00	-13.99	Average	100	256	P
6	10640.00	4.70	46.20	50.90	74.00	-23.10	Peak	100	256	P
7	15960.00	7.49	36.12	43.61	54.00	-10.39	Average	100	153	P
8	15960.00	7.49	46.60	54.09	74.00	-19.91	Peak	100	153	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH64 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

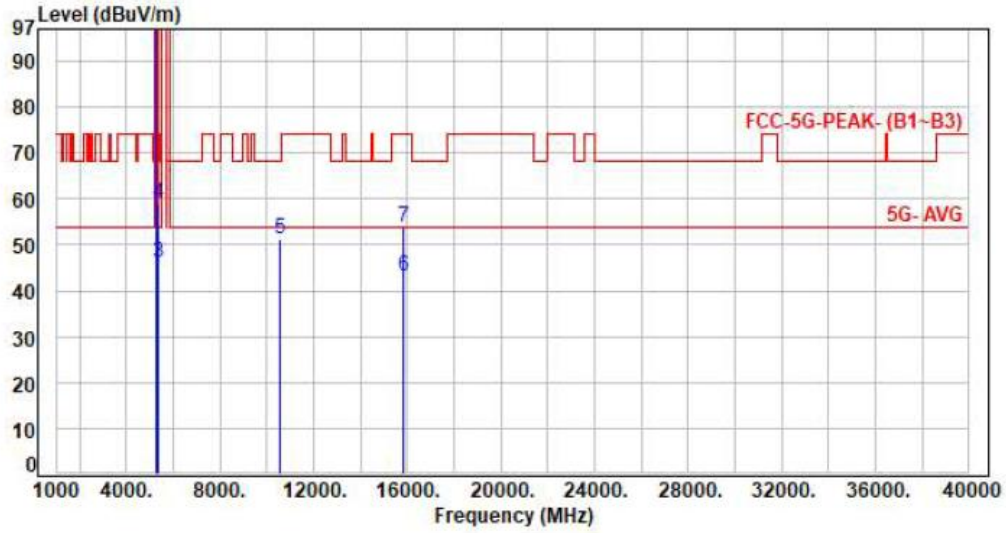


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.61	89.97	89.36	200.00	-110.64	Average	100	212	P
2	5320.00	-0.61	99.74	99.13	200.00	-100.87	Peak	100	212	P
3	5350.00	-0.67	46.28	45.61	54.00	-8.39	Average	100	212	P
4	5350.00	-0.67	59.19	58.52	74.00	-15.48	Peak	100	212	P
5	10640.00	4.70	36.49	41.19	54.00	-12.81	Average	100	103	P
6	10640.00	4.70	46.84	51.54	74.00	-22.46	Peak	100	103	P
7	15960.00	7.49	35.97	43.46	54.00	-10.54	Average	100	300	P
8	15960.00	7.49	46.58	54.07	74.00	-19.93	Peak	100	300	P

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

Test Mode	Mode 3, Band 2

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical

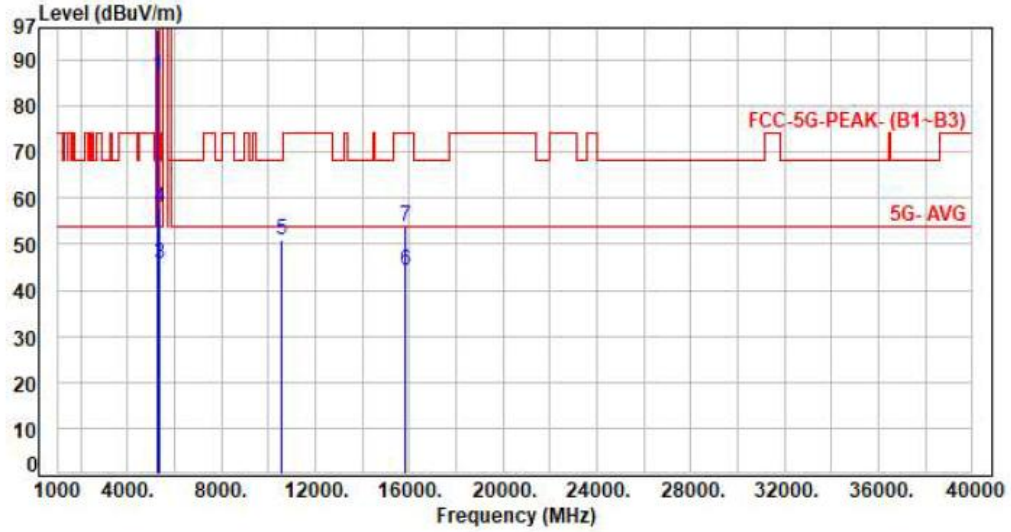


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	-0.56	96.01	95.45	200.00	-104.55	Average	145	297	P
2	5270.00	-0.56	105.08	104.52	200.00	-95.48	Peak	145	297	P
3	5350.00	-0.67	46.61	45.94	54.00	-8.06	Average	145	297	P
4	5350.00	-0.67	59.82	59.15	74.00	-14.85	Peak	145	297	P
5	10540.00	4.67	46.55	51.22	68.20	-16.98	Peak	100	257	P
6	15810.00	7.65	35.60	43.25	54.00	-10.75	Average	100	149	P
7	15810.00	7.65	46.13	53.78	74.00	-20.22	Peak	100	149	P

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

Test Mode	Mode 3, Band 2

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

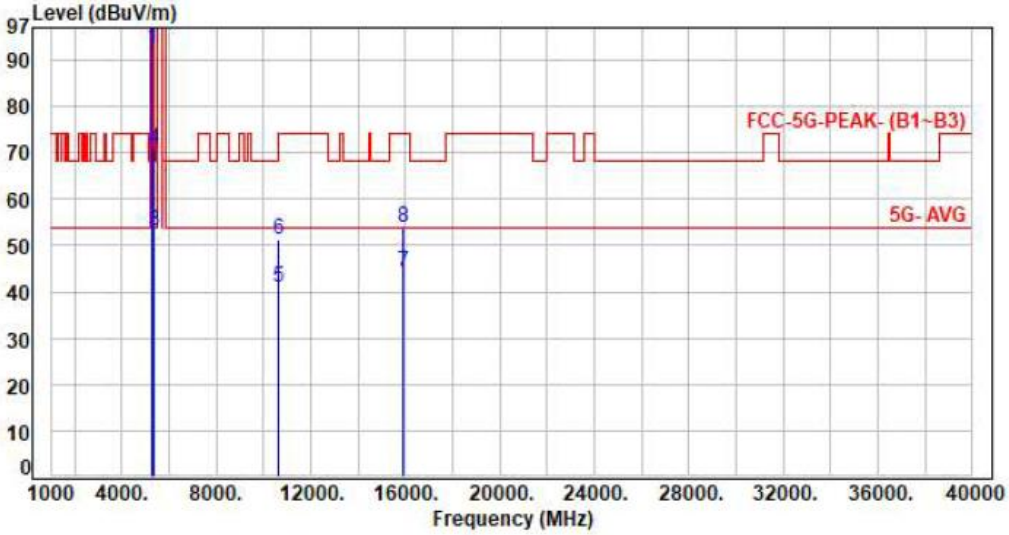


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	-0.56	87.31	86.75	200.00	-113.25	Average	113	195	P
2	5270.00	-0.56	97.03	96.47	200.00	-103.53	Peak	113	195	P
3	5350.00	-0.67	46.50	45.83	54.00	-8.17	Average	113	195	P
4	5350.00	-0.67	58.62	57.95	74.00	-16.05	Peak	113	195	P
5	10540.00	4.67	46.38	51.05	68.20	-17.15	Peak	100	107	P
6	15810.00	7.65	36.66	44.31	54.00	-9.69	Average	100	308	P
7	15810.00	7.65	46.15	53.80	74.00	-20.20	Peak	100	308	P

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

Test Mode	Mode 3, Band 2

Test Mode : 1TX 11ac40 CH62 NSS1 MCS0
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	5310.00	-0.59	93.13	92.54	200.00	-107.46	Average	160	296	P
2	5310.00	-0.59	103.18	102.59	200.00	-97.41	Peak	160	296	P
3	5350.00	-0.67	53.92	53.25	54.00	-0.75	Average	160	296	P
4	5350.00	-0.67	71.55	70.88	74.00	-3.12	Peak	160	296	P
5	10620.00	4.70	36.27	40.97	54.00	-13.03	Average	100	260	P
6	10620.00	4.70	46.70	51.40	74.00	-22.60	Peak	100	260	P
7	15930.00	7.53	36.66	44.19	54.00	-9.81	Average	100	155	P
8	15930.00	7.53	46.16	53.69	74.00	-20.31	Peak	100	155	P

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