FCC RADIO TEST REPORT

Applicant	:	LITE-ON Technology Corp
Address	:	Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585, Taiwan
Equipment	:	Indoor Wi-Fi 6E Access Point/Mesh router
Model No.	:	WPXE8326 / WRXE8326 , WAP-2E
Trade Name	:	LITEON, PoEWit
FCC ID	:	PPQ-WPX8324

I HEREBY CERTIFY THAT :

The sample was received on Jan. 04, 2023 and the testing was completed on Mar. 06, 2023 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:

Vic Hsiao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory

CONTENTS

History of this test report

Report No.	Issued Date	Description
22120269-TRFCC06	Mar. 07, 2023	Original
22120269-TRFCC06-A	Apr. 17, 2023	Revise EUT narrative

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

The following reference test guidance is not within the scope of accreditation of TAF.

KDB 987594 D01

KDB 987594 D02

FCC KDB 662911 D01 v02r01

FCC KDB 412172 D01 v01r01

FCC Rule	Description of Test	Result	Remark
15.203	Antenna Requirement	PASS	-
15.207(a)	AC Power Line Conducted Emission	PASS	-
15.407(b) 15.209	Undesirable Emission	PASS	-
15.407(a)	26 dB & Occupied Bandwidth	PASS	-
15.407(a)	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.)	PASS	-
15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
15.407(d)	Contention-Based Protocol	PASS	-
KDB987594 D01 Clause D[6]	Indoor AP identification broadcast beacon	N/A	Declared by manufacturer
KDB987594 D01 Clause D[8]	No direct connection to the internet	N/A	Indoor AP w/o test
KDB987594 D01 Clause D[9]	Demonstrate under control of low power indoor access point	N/A	Indoor AP w/o test
2.1091	Radio Frequency Exposure	PASS	-

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Operation Frequency Range	BT / BLE: 2400-2483.5MHz WLAN:802.11b/g/n/ax: 2400-2483.5MHz 5GHz:802.11a/n/ac/ax: 5150-5250MHz, 5725-5850MHz 6GHz: 802.11ax: 5925MHz~6425MHz, 6425MHz~6525MHz 6525MHz~6875MHz, 6875MHz~7125MHz
Center Frequency Range	BT / BLE: 2402-2480MHz WLAN:802.11b/g/n/ax: 2412-2462MHz 5GHz :802.11a/n/ac/ax: 5180-5240MHz, 5745-5825MHz 6GHz: 802.11ax: 6115MHz~6415MHz, 6435MHz~6515MHz 6535MHz~6855MHz, 6875MHz~7115MHz
Modulation Type	BT: GFSK, π/4-DQPSK, 8DPSK BLE: GFSK WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(TurboQAM) 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: 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM, FHSS, DTS, OFDMA
Data Rate	BT: GFSK: 1Mbps, π/4-DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps, 2Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 MCS0 – MCS9, VHT20/40(TurboQAM) 802.11ax: MCS0 – MCS11,HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80 6GHz: 802.11ax: MCS0 – MCS11, HE20/40/80/160
Antenna Type	PCB Antenna
Antenna Gain	For BT / BLE: 2400-2500MHz:ANT 5:4.6dBi For WLAN: 2400-2500MHz: ANT 1: 2.80dBi, ANT 2: 3.10dBi 5150-5250MHz: ANT 1: 3.80dBi, ANT 2: 3.60dBi 5725-5850MHz: ANT 1: 2.90dBi, ANT 2: 3.70dBi 6115~6415MHz:ANT 3: 4.50dBi, ANT 4: 4.10dBi 6435~6515MHz: ANT 3: 4.10dBi, ANT 4: 4.50dBi 6535~6855MHz: ANT 3: 4.50dBi, ANT 4: 4.50dBi 6875~7115MHz: ANT 3: 4.00dBi, ANT 4: 3.70dBi

Note:
1. WLAN 2.4G 802.11n Support TurboQAM.
2. EUT support TPC Function.
3. EUT support AP/ bridge mode.
4. 802.11ax support beamforming Function.
5. EUT Indoor access point
6. For more details, please refer to the User's manual of the EUT.

The differences between all model numbers as follow:

Model	Trade name	PoE
WPXE8326	LITEON	Yes
WRXE8326	LITEON	No
WAP-2E	PoEWit	Yes

Note: After engineering evaluation, WPXE8326 for worst case and for presentation of report data

2.2. Carrier Frequency of Channels

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925 ~ 7125	802.11ax(HE20)	6115 ~ 7115	33~233[51]
5925 ~ 7125	802.11ax(HE40)	6125 ~ 7085	35~227[25]
5925 ~ 7125	802.11ax(HE80)	6145 ~ 7025	39~215[12]
5925 ~ 7125	802.11ax(HE160)	6185 ~ 6985	47~207[6]

The EUT incorporates a MIMO function

Modulation Type	TX CONFIGURATION
802.11ax HE20	2TX
802.11ax HE40	2TX
802.11ax HE80	2TX
802.11ax HE160	2TX

2.3. Test Mode and Test Software

a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
b. The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
c. An executive program, ” QSPR V 5.0-00202” under Windows OS system was executed to transmit and receive data via WLAN. (Non BeamForming)
d. An executive program, ” Command” under Windows OS system was executed to transmit and receive data via WLAN. (BeamForming)
e. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11ax HE20 (7.3Mbps) , Power From Adapter, Non BeamForming
2	802.11ax HE40 (14.6Mbps) , Power From Adapter, Non BeamForming
3	802.11ax HE80 (30.6Mbps) , Power From Adapter, Non BeamForming
4	802.11ax HE160 (61.3Mbps) , Power From Adapter, Non BeamForming
5	802.11ax HE20 (7.3Mbps) , Power From Adapter, BeamForming
6	802.11ax HE40 (14.6Mbps) , Power From Adapter, BeamForming
7	802.11ax HE80 (30.6Mbps) , Power From Adapter, BeamForming
8	802.11ax HE160 (61.3Mbps) , Power From Adapter, BeamForming
9	802.11ax HE20 (7.3Mbps) , Power From PoE, Non BeamForming
10	802.11ax HE40 (14.6Mbps) , Power From PoE, Non BeamForming
11	802.11ax HE80 (30.6Mbps) , Power From PoE Non BeamForming
12	802.11ax HE160 (61.3Mbps) , Power From PoE, Non BeamForming
13	802.11ax HE20 (7.3Mbps) , Power From PoE, BeamForming
14	802.11ax HE40 (14.6Mbps) , Power From PoE, BeamForming
15	802.11ax HE80 (30.6Mbps) , Power From PoE, BeamForming
16	802.11ax HE160 (61.3Mbps) , Power From PoE, BeamForming
caused “Test Mode 4,8” generated the worst case, it was reported as the final data.	
Radiation Emissions BELOW 1GHz)	
Test Mode	Operating Description
1	802.11ax HE20 (7.3Mbps) , Power From Adapter, Non BeamForming
2	802.11ax HE40 (14.6Mbps) , Power From Adapter, Non BeamForming
3	802.11ax HE80 (30.6Mbps) , Power From Adapter, Non BeamForming
4	802.11ax HE160 (61.3Mbps) , Power From Adapter, Non BeamForming
5	802.11ax HE20 (7.3Mbps) , Power From Adapter, BeamForming
6	802.11ax HE40 (14.6Mbps) , Power From Adapter, BeamForming
7	802.11ax HE80 (30.6Mbps) , Power From Adapter, BeamForming
8	802.11ax HE160 (61.3Mbps) , Power From Adapter, BeamForming
9	802.11ax HE20 (7.3Mbps) , Power From PoE, Non BeamForming
10	802.11ax HE40 (14.6Mbps) , Power From PoE, Non BeamForming
11	802.11ax HE80 (30.6Mbps) , Power From PoE Non BeamForming
12	802.11ax HE160 (61.3Mbps) , Power From PoE, Non BeamForming
13	802.11ax HE20 (7.3Mbps) , Power From PoE, BeamForming
14	802.11ax HE40 (14.6Mbps) , Power From PoE, BeamForming
15	802.11ax HE80 (30.6Mbps) , Power From PoE, BeamForming
16	802.11ax HE160 (61.3Mbps) , Power From PoE, BeamForming
caused “Test Mode 4,8” generated the worst case, it was reported as the final data.	

Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11ax HE20 (7.3Mbps) , Power From Adapter, Non BeamForming
2	802.11ax HE40 (14.6Mbps) , Power From Adapter, Non BeamForming
3	802.11ax HE80 (30.6Mbps) , Power From Adapter, Non BeamForming
4	802.11ax HE160 (61.3Mbps) , Power From Adapter, Non BeamForming
5	802.11ax HE20 (7.3Mbps) , Power From Adapter, BeamForming
6	802.11ax HE40 (14.6Mbps) , Power From Adapter, BeamForming
7	802.11ax HE80 (30.6Mbps) , Power From Adapter, BeamForming
8	802.11ax HE160 (61.3Mbps) , Power From Adapter, BeamForming
caused “Test Mode 1~8” generated the worst case, they were reported as the final data.	

Note:1.There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.
For AC Power Line Conducted Emission,& Radiation Emissions (BELOW 1GHz)
&Radiated Spurious Emission(1GHz ~ 25GHz), ,AC 120V / 60Hz is worst case.

2.4. Description of Test System

Non BeamForming

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WB-24Q12FU	1.5m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WA-24Q12FU	1.5m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable*2	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WA-24Q12FU	1.5m / NS	N/A
POE	UBIQUITI	GP-V480-032G	N/A	0.6m / NS
CBP				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
RJ45 Cable*3	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WA-24Q12FU	1.5m / NS	N/A
POE	UBIQUITI	GP-V480-032G	N/A	0.6m / NS
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS

BeamForming

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable*3	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WB-24Q12FU	1.5m / NS	N/A
POE	UBIQUITI	GP-V480-032G	N/A	0.6m / NS
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook*2	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor*2	APD	WA-24Q12FU	1.5m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable*3	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WA-24Q12FU	1.5m / NS	N/A
POE	UBIQUITI	GP-V480-032G	N/A	0.6m / NS

2.5. General Information of Test

Test Site	**Cerpass Technology Corporation Test Laboratory** Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40,000MHz	
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.	

Non BeamForming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2023/01/30~2023/03/01	22~26.7℃ / 45~64%	Leon Huang
RF Conducted	RFCON01-NK	2023/03/06	22.7℃ / 56%	Leon Huang
Radiated Emissions	3M02-NK	2023/1/30~2023/2/16	16~22℃ / 43~52%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2023/02/02	21℃ / 57%	Leon Huang
CBP	RFDFS01-NK	2023/2/16~2023/2/18	22.7~23.8℃ / 47~55%	Dian Chen

BeamForming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2023/02/06~2023/02/08	22.1~24.7℃ / 56~64%	Leon Huang
RF Conducted	RFCON01-NK	2023/03/06	22.7℃ / 56%	Leon Huang
Radiated Emissions	3M02-NK	2023/1/30~2023/2/16	16~22℃ / 43~52%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2023/02/02	21℃ / 57%	Leon Huang

2.6. Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with t he 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)	±3.28dB
Radiated Spurious Emission(9KHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.7dB
Radiated Spurious Emission(1GHz~40GHz)	±6.8dB
6dB Bandwidth	±4.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.4%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±1.8dB
Duty Cycle	±1.2%
Frequency Stability	±0.21KHz

3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Bilog Antenna	Schwarzbeck	VULB9168	369	2022/04/22	2023/04/21
Active Loop Antenna	EMCO	6507	40855	2022/05/25	2023/05/24
Horn Antenna	EMCO	3115	31601	2022/10/12	2023/10/11
Horn Antenna	EMCO	3116	31970	2022/03/18	2023/03/17
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2022/07/05	2023/07/04
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2022/08/19	2023/08/18
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2022/11/11	2023/11/10
Preamplifier	EM Electronics corp.	EM330	60660	2022/04/08	2023/04/07
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2022/09/06	2023/09/05
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-8m(10M-26.5G)	HUBER SUHNER	SF126E	587397/126E	2022/10/07	2023/10/06
Cable-3m(10M-26.5G)	HUBER SUHNER	SF126E	587398/126E	2022/10/07	2023/10/06
Cable-1m(10M-40G)	HUBER SUHNER	SF102	804398/2	2022/10/11	2023/10/10
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2022/4/9	2023/4/8
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50 314	2022/4/9	2023/4/8
Cable-3m(1G-40G)	Rapidtek	40GHZ 300CM	38MS-38MS30 0314	2022/4/9	2023/4/8
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2022/11/29	2023/11/28
Attenuator	KEYSIGHT	8491B	MY39250703	2022/04/12	2023/04/11
Power Meter	Anritsu	ML2495A	1224005	2022/04/12	2023/04/11
Power Sensor	Anritsu	MA2411B	1207295	2022/04/12	2023/04/11

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	100821	2022/12/09	2023/12/08
TWO-LINE V-NETWORK	ROHDE & SCHWARZ	ENV216	102185	2022/08/24	2022/08/17
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101933	2022/09/29	2023/09/28
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2022/09/06	2023/09/05
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA

Test Item	CBP				
Test Site	RFDFS01-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100291	2022/10/26	2023/10/25
MXG-B RF Vector Signal Generator + Frequency Extender	KEYSIGHT	N5182B+N5182BX07	MY53051383+ MY59362519	2022/02/24	2023/02/23
Control BOX	World-pallas	AD222	L4490A	NA	NA
IOT0047A	KEYSIGHT	v22.7.25.15	NA	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	PCB Antenna
Antenna Gain	6115~6415MHz:ANT 3: 4.50dBi, ANT 4: 4.10dBi 6435~6515MHz: ANT 3: 4.10dBi, ANT 4: 4.50dBi 6535~6855MHz: ANT 3: 4.50dBi, ANT 4: 4.50dBi 6875~7115MHz: ANT 3: 4.00dBi, ANT 4: 3.70dBi

(Non-Beamforming)

6115~6415MHz
For Power directional gain= G_{ant}= 4.50 (dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.31(dBi)
6435~6515MHz
For Power directional gain= G_{ant}= 4.50 (dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] =7.31 (dBi)
6535~6855MHz
For Power directional gain= G_{ant}= 4.50(dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.51(dBi)
6875~7115MHz:
For Power directional gain= G_{ant}= 4.00 (dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 6.86(dBi)

*MIMO type: Cyclic Delay Diversity (CDD) mode.

(Beamforming)

6115~6415MHz
For Power directional gain= 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.31 (dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.31(dBi)
6435~6515MHz
For Power directional gain= 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.31(dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.31(dBi)
6535~6855MHz
For Power directional gain= 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.51 (dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 7.51 dBi)
6875~7115MHz:
For Power directional gain= 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 6.86 (dBi) For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 6.86(dBi)

5. Test of AC Power Line Conducted Emission

5.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.10-2013. 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.

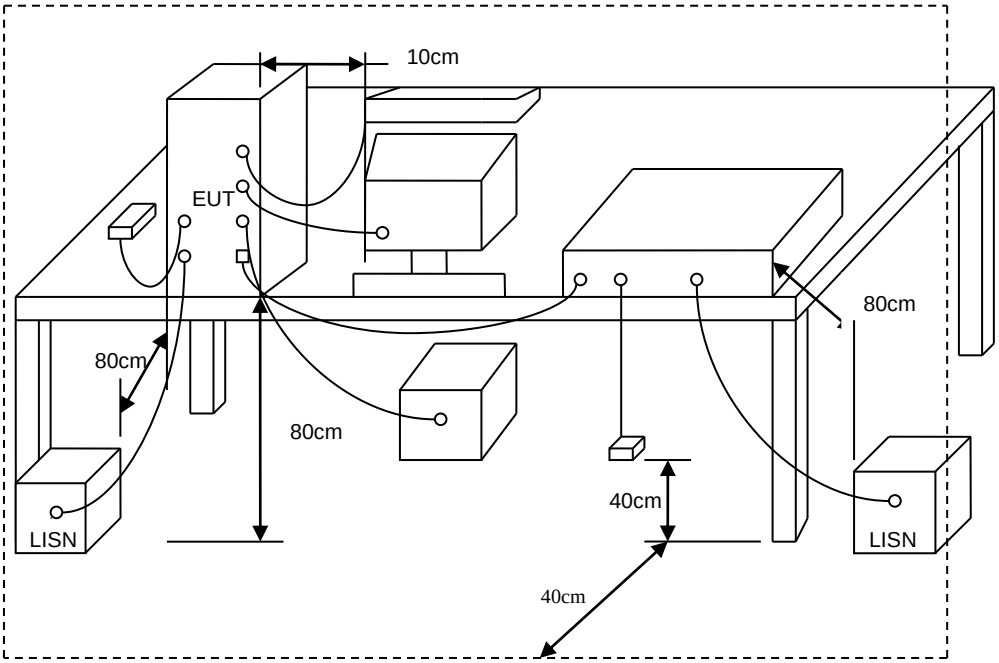
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*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.

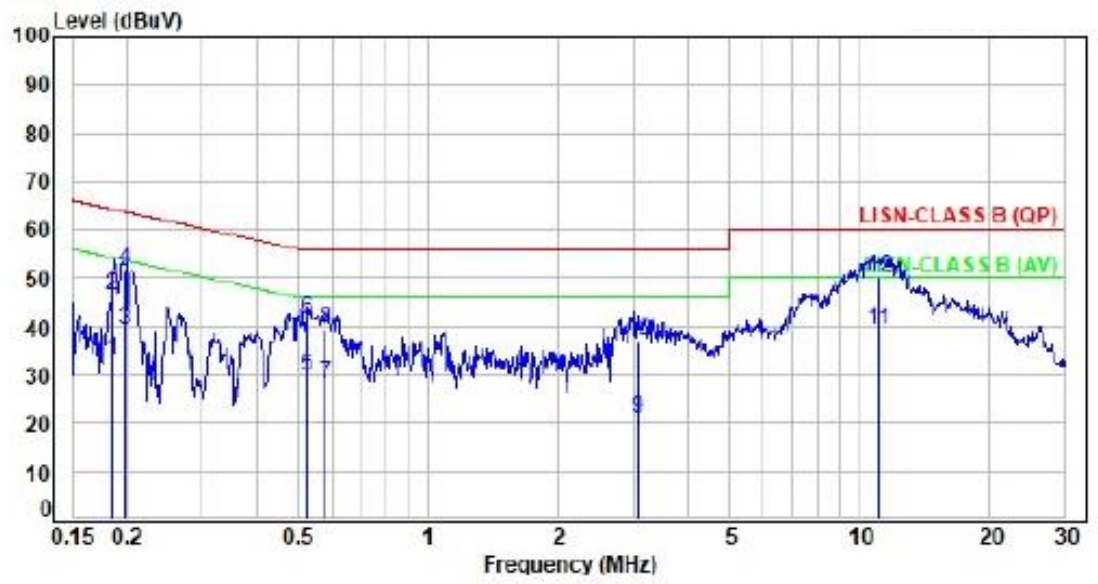
5.3. Typical Test Setup



5.4. Test Result and Data

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 4		:	

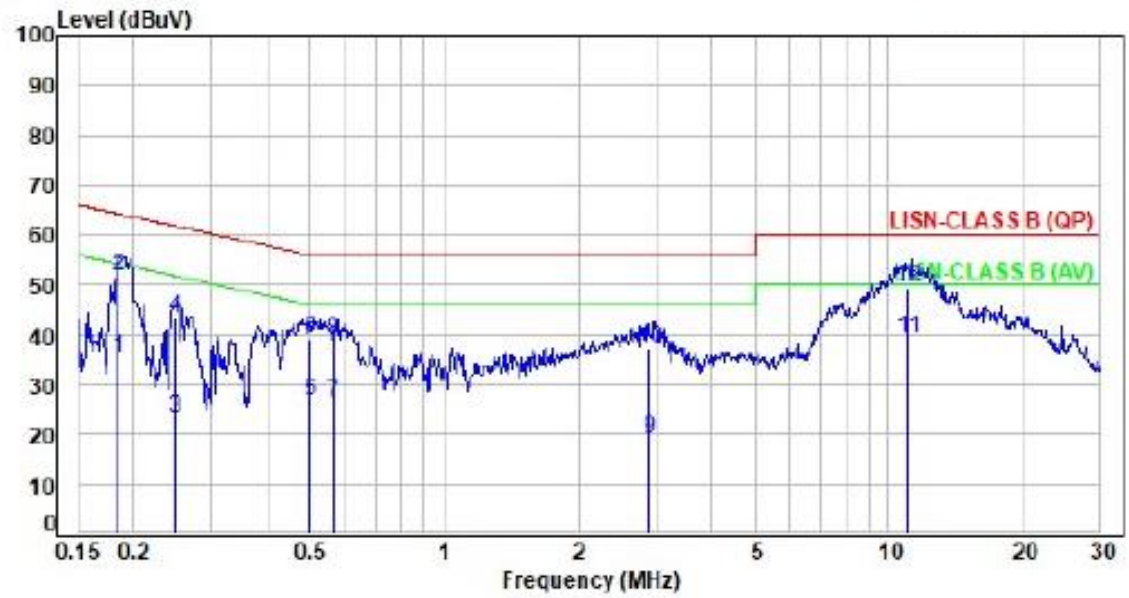


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.19	19.50	13.65	33.15	54.25	-21.10	Average	P
2	0.19	19.50	26.88	46.38	64.25	-17.87	QP	P
3	0.20	19.49	19.74	39.23	53.66	-14.43	Average	P
4	0.20	19.49	32.24	51.73	63.66	-11.93	QP	P
5	0.52	19.51	9.96	29.47	46.00	-16.53	Average	P
6	0.52	19.51	21.82	41.33	56.00	-14.67	QP	P
7	0.58	19.51	8.57	28.08	46.00	-17.92	Average	P
8	0.58	19.51	20.11	39.62	56.00	-16.38	QP	P
9	3.06	19.65	1.11	20.76	46.00	-25.24	Average	P
10	3.06	19.65	17.17	36.82	56.00	-19.18	QP	P
11	11.08	19.84	19.45	39.29	50.00	-10.71	Average	P
12	11.08	19.84	30.16	50.00	60.00	-10.00	QP	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 4		:	

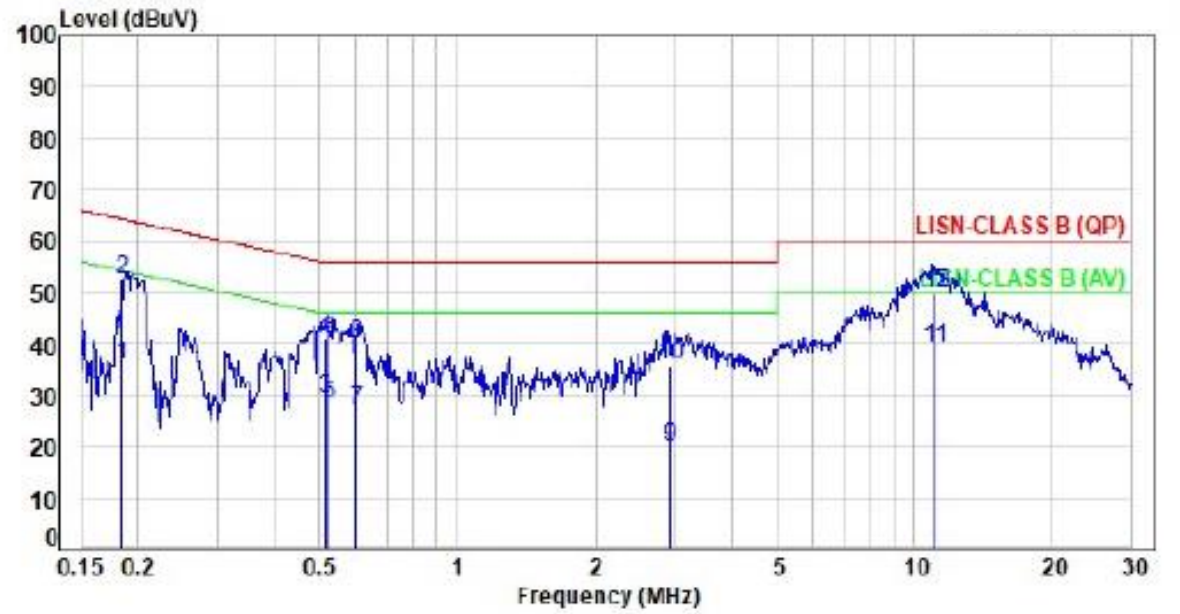


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.18	19.50	15.90	35.40	54.27	-18.87	Average	P
2	0.18	19.50	32.08	51.58	64.27	-12.69	QP	P
3	0.25	19.50	3.76	23.26	51.85	-28.59	Average	P
4	0.25	19.50	24.01	43.51	61.85	-18.34	QP	P
5	0.50	19.51	7.10	26.61	46.00	-19.39	Average	P
6	0.50	19.51	19.68	39.19	56.00	-16.81	QP	P
7	0.56	19.51	6.71	26.22	46.00	-19.78	Average	P
8	0.56	19.51	19.14	38.65	56.00	-17.35	QP	P
9	2.90	19.63	-0.45	19.18	46.00	-26.82	Average	P
10	2.90	19.63	17.73	37.36	56.00	-18.64	QP	P
11	11.01	19.81	19.35	39.16	50.00	-10.84	Average	P
12	11.01	19.81	29.72	49.53	60.00	-10.47	QP	P

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

BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 8		:	

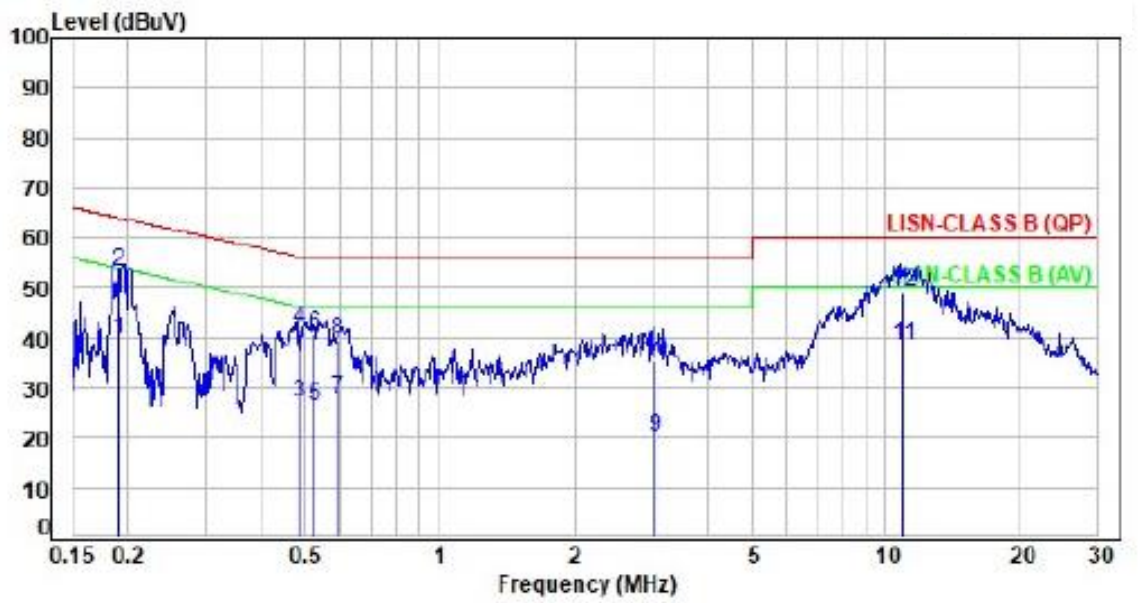


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.19	19.50	16.08	35.58	54.25	-18.67	Average	P
2	0.19	19.50	33.14	52.64	64.25	-11.61	QP	P
3	0.51	19.51	9.67	29.18	46.00	-16.82	Average	P
4	0.51	19.51	21.52	41.03	56.00	-14.97	QP	P
5	0.52	19.51	8.59	28.10	46.00	-17.90	Average	P
6	0.52	19.51	21.26	40.77	56.00	-15.23	QP	P
7	0.60	19.52	7.47	26.99	46.00	-19.01	Average	P
8	0.60	19.52	20.29	39.81	56.00	-16.19	QP	P
9	2.92	19.65	0.06	19.71	46.00	-26.29	Average	P
10	2.92	19.65	15.92	35.57	56.00	-20.43	QP	P
11	11.12	19.84	19.25	39.09	50.00	-10.91	Average	P
12	11.12	19.84	30.12	49.96	60.00	-10.04	QP	P

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

BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 8		:	



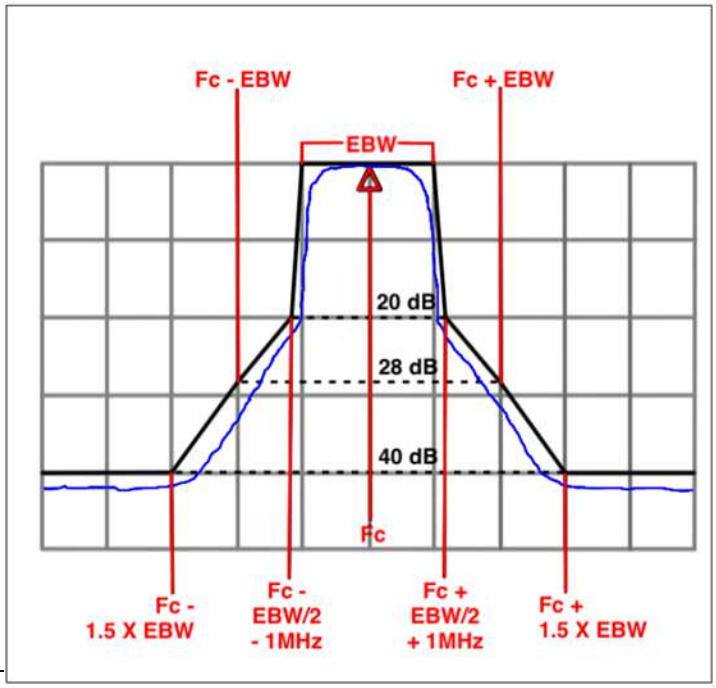
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.19	19.50	19.88	39.38	54.00	-14.62	Average	P
2	0.19	19.50	33.76	53.26	64.00	-10.74	QP	P
3	0.49	19.51	7.63	27.14	46.24	-19.10	Average	P
4	0.49	19.51	22.44	41.95	56.24	-14.29	QP	P
5	0.52	19.51	6.77	26.28	46.00	-19.72	Average	P
6	0.52	19.51	21.24	40.75	56.00	-15.25	QP	P
7	0.59	19.51	8.41	27.92	46.00	-18.08	Average	P
8	0.59	19.51	20.20	39.71	56.00	-16.29	QP	P
9	3.04	19.63	0.69	20.32	46.00	-25.68	Average	P
10	3.04	19.63	15.83	35.46	56.00	-20.54	QP	P
11	10.90	19.81	18.52	38.33	50.00	-11.67	Average	P
12	10.90	19.81	29.22	49.03	60.00	-10.97	QP	P

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

6. Test of Undesirable Emission (Radiated)

6.1. Test Limit

Un-restricted band emissions above 1GHz Limit

Frequency	Limit
Any outside the 5.945 – 7.125 GHz emission	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
	Note : -27 dBm EIRP OOBE is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.
5.945 – 7.125 GHz	Emission MASK Limit
	Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than oneand one-half times the channel bandwidth must be suppressed by at least 40 dB.
	

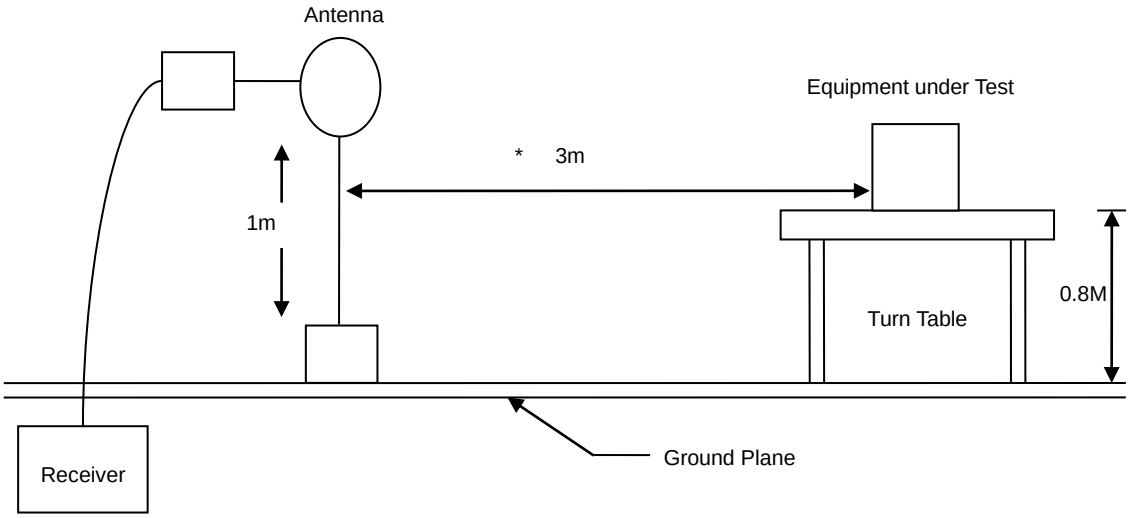
6.2. Test Procedures

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.

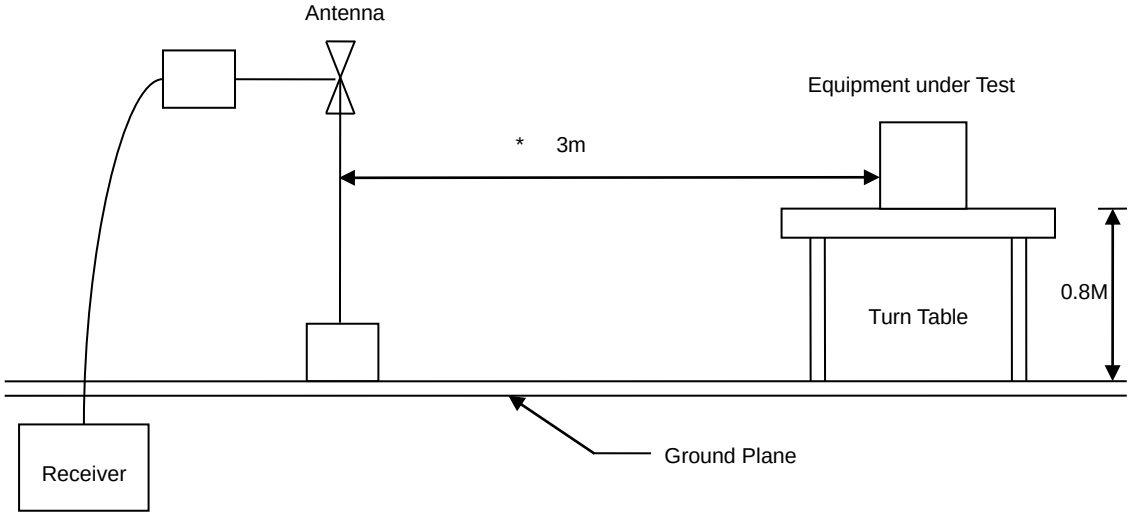
Note: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.
(Z-AXIS is the worst.)

6.3. Typical Test Setup

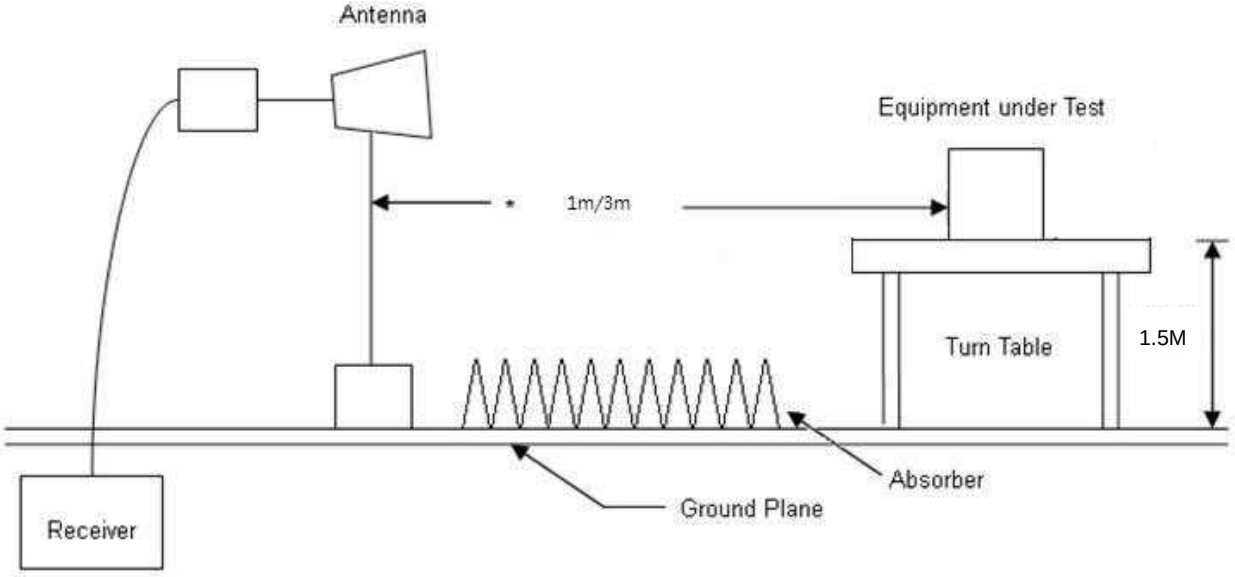
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



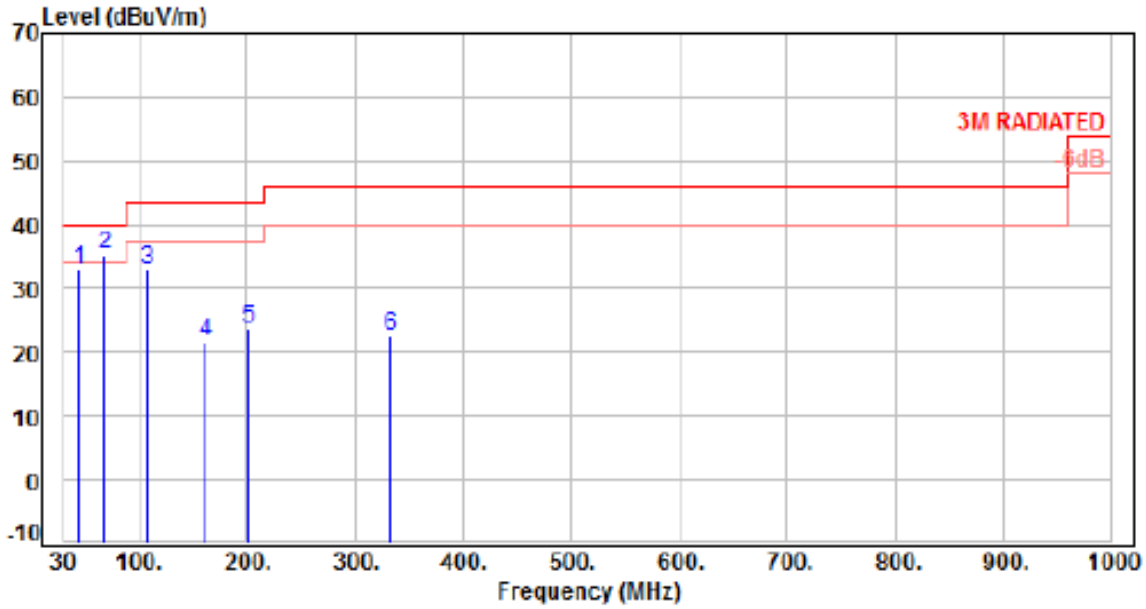
6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 4		:	

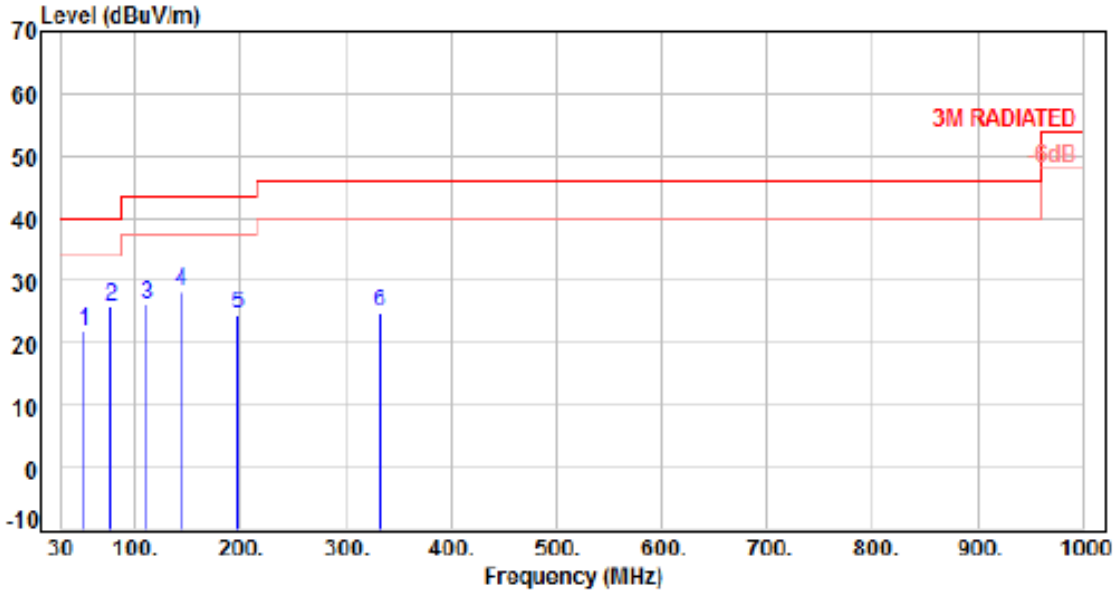


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	45.52	-10.13	43.02	32.89	40.00	-7.11	Peak	100	360	P
2	67.83	-11.54	46.76	35.22	40.00	-4.78	Peak	100	360	P
3	107.60	-13.36	46.19	32.83	43.50	-10.67	Peak	100	360	P
4	161.92	-10.14	31.79	21.65	43.50	-21.85	Peak	100	360	P
5	200.72	-13.04	36.88	23.84	43.50	-19.66	Peak	100	360	P
6	332.64	-8.10	30.54	22.44	46.00	-23.56	Peak	100	360	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 4		:	

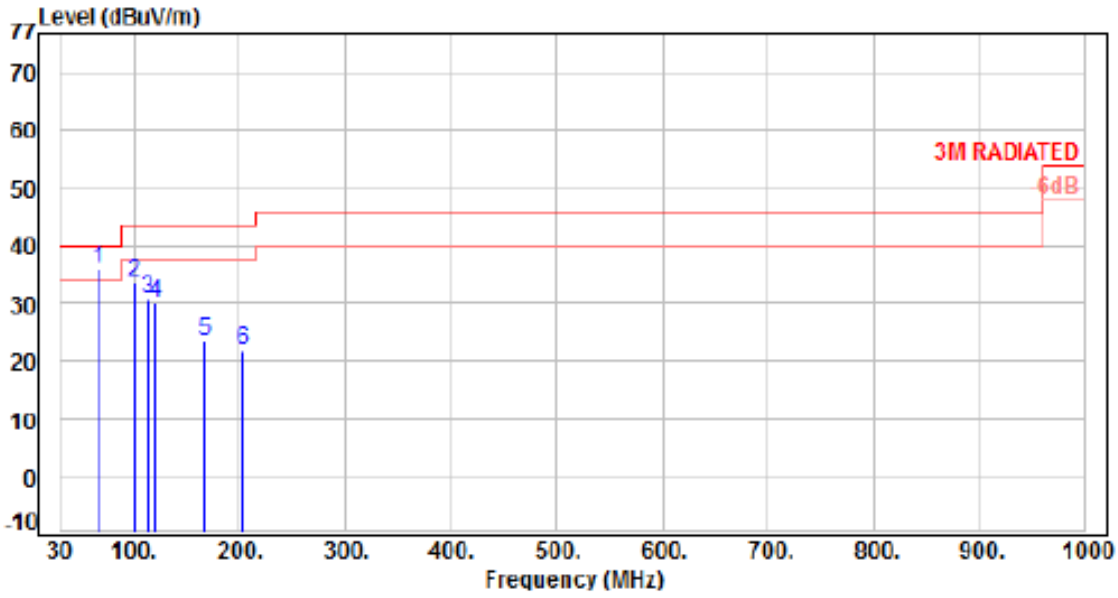


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	51.34	-9.82	31.87	22.05	40.00	-17.95	Peak	100	0	P
2	76.56	-13.60	39.49	25.89	40.00	-14.11	Peak	100	0	P
3	111.46	-13.10	39.27	26.17	43.50	-17.33	Peak	100	0	P
4	144.46	-10.25	38.50	28.25	43.50	-15.25	Peak	100	0	P
5	196.84	-13.03	37.79	24.76	43.50	-18.74	Peak	100	0	P
6	332.64	-8.10	33.01	24.91	46.00	-21.09	Peak	100	0	P

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

BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 8		:	

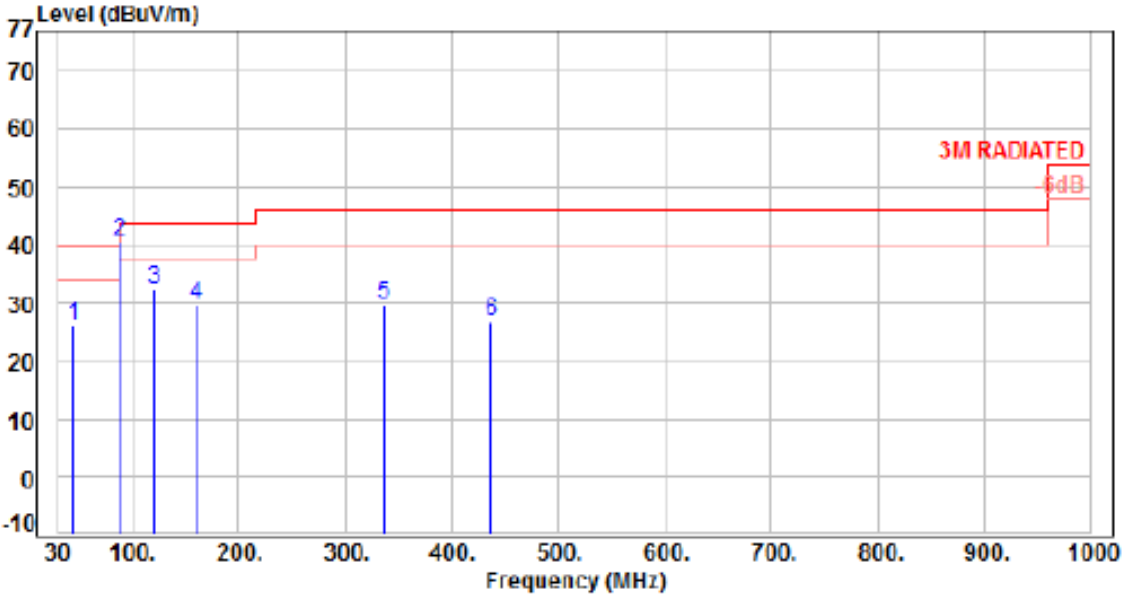


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	66.86	-11.74	47.64	35.90	40.00	-4.10	Peak	100	360	P
2	99.84	-14.61	48.36	33.75	43.50	-9.75	Peak	100	360	P
3	112.45	-12.84	43.43	30.59	43.50	-12.91	Peak	100	360	P
4	121.18	-12.61	42.59	29.98	43.50	-13.52	Peak	100	360	P
5	167.74	-10.19	33.50	23.31	43.50	-20.19	Peak	100	360	P
6	202.66	-13.03	34.64	21.61	43.50	-21.89	Peak	100	360	P

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

BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 8		:	



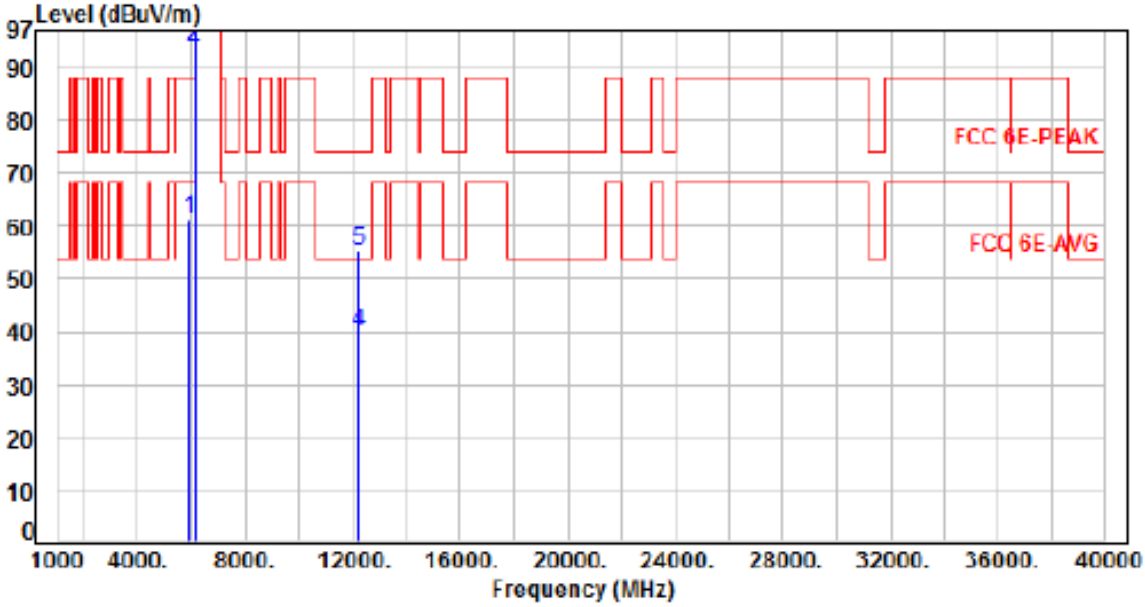
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	45.52	-10.13	36.12	25.99	40.00	-14.01	Peak	100	360	P
2	88.20	-15.66	56.15	40.49	43.50	-3.01	Peak	100	360	P
3	121.18	-12.61	45.00	32.39	43.50	-11.11	Peak	100	360	P
4	159.98	-9.96	39.69	29.73	43.50	-13.77	Peak	100	360	P
5	336.52	-8.06	37.64	29.58	46.00	-16.42	Peak	100	360	P
6	437.40	-4.97	31.57	26.60	46.00	-19.40	Peak	100	360	P

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

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 5, CH33		:	

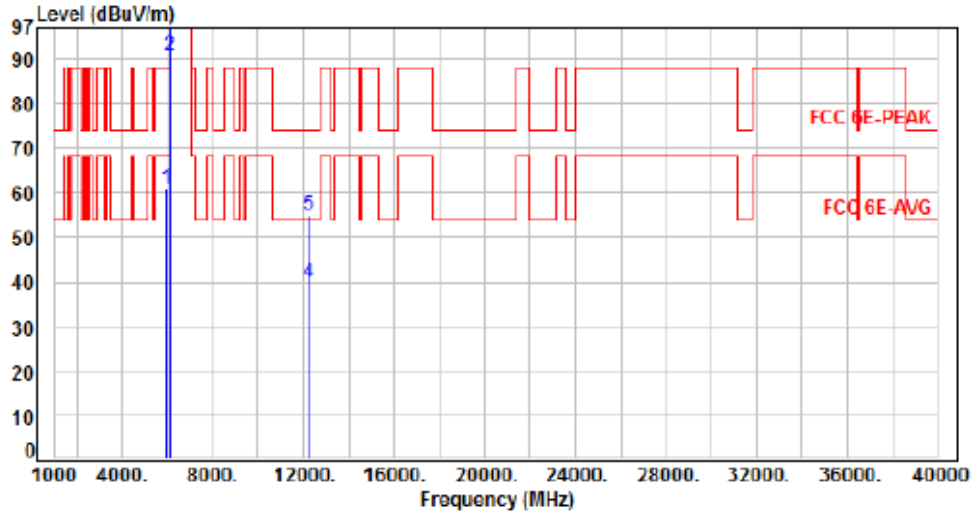


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.36	61.21	88.20	-26.99	Peak	282	0	P
2	6115.00	7.13	86.92	94.05	200.00	-105.95	Average	282	0	P
3	6115.00	7.13	100.61	107.74	200.00	-92.26	Peak	282	0	P
4	12230.00	14.65	25.17	40.02	54.00	-13.98	Average	100	37	P
5	12230.00	14.65	40.30	55.15	74.00	-18.85	Peak	100	37	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 5, CH33		:	

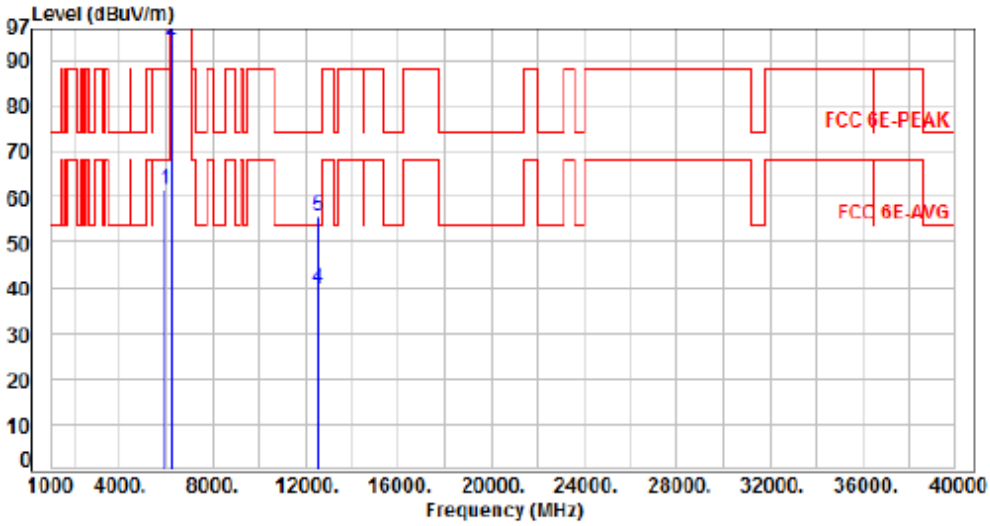


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.99	60.84	88.20	-27.36	Peak	259	66	P
2	6115.00	7.13	83.45	90.58	200.00	-109.42	Average	259	66	P
3	6115.00	7.13	97.16	104.29	200.00	-95.71	Peak	259	66	P
4	12230.00	14.85	24.88	39.73	54.00	-14.27	Average	100	167	P
5	12230.00	14.85	40.19	55.04	74.00	-18.96	Peak	100	167	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 5, CH61		:	

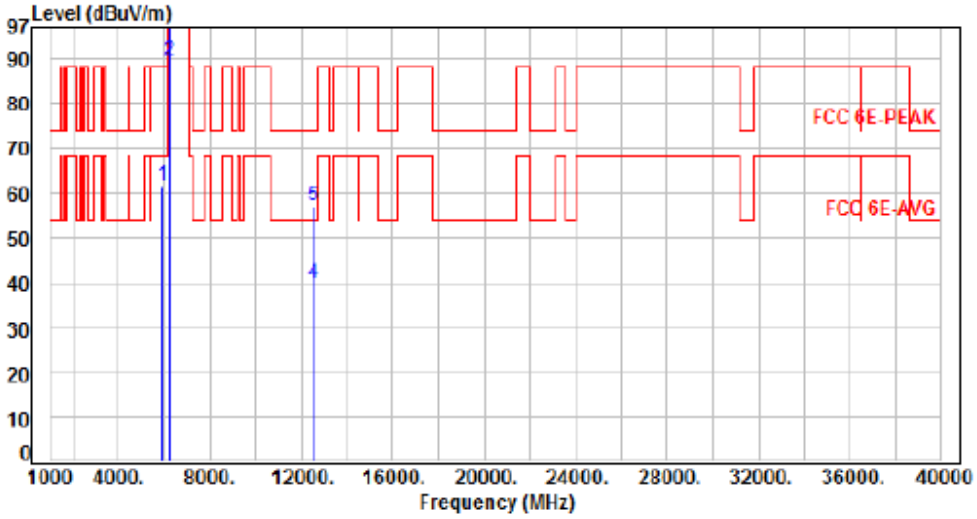


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.90	61.75	88.20	-26.45	Peak	117	360	P
2	6255.00	7.45	86.85	94.30	200.00	-105.70	Average	117	360	P
3	6255.00	7.45	100.34	107.79	200.00	-92.21	Peak	117	360	P
4	12510.00	15.13	24.69	39.82	54.00	-14.18	Average	100	197	P
5	12510.00	15.13	40.71	55.84	74.00	-18.16	Peak	100	197	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 5, CH61		:	

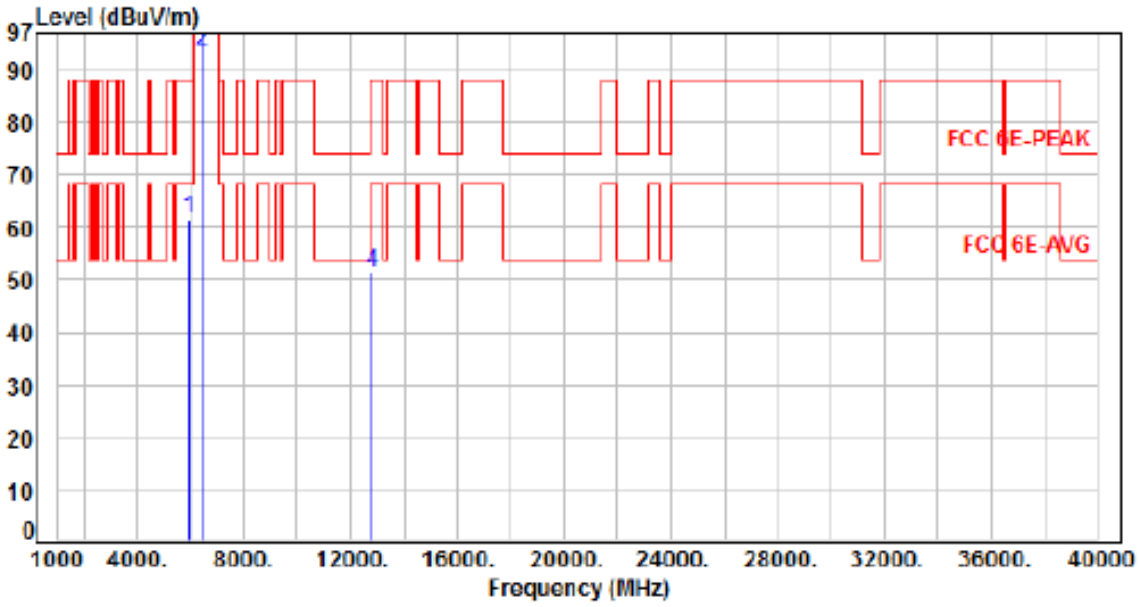


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.87	61.72	88.20	-26.48	Peak	100	46	P
2	6255.00	7.45	82.23	89.68	200.00	-110.32	Average	100	46	P
3	6255.00	7.45	95.81	103.26	200.00	-96.74	Peak	100	46	P
4	12510.00	15.13	24.68	39.81	54.00	-14.19	Average	100	87	P
5	12510.00	15.13	42.15	57.28	74.00	-16.72	Peak	100	87	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 5, CH93		:	

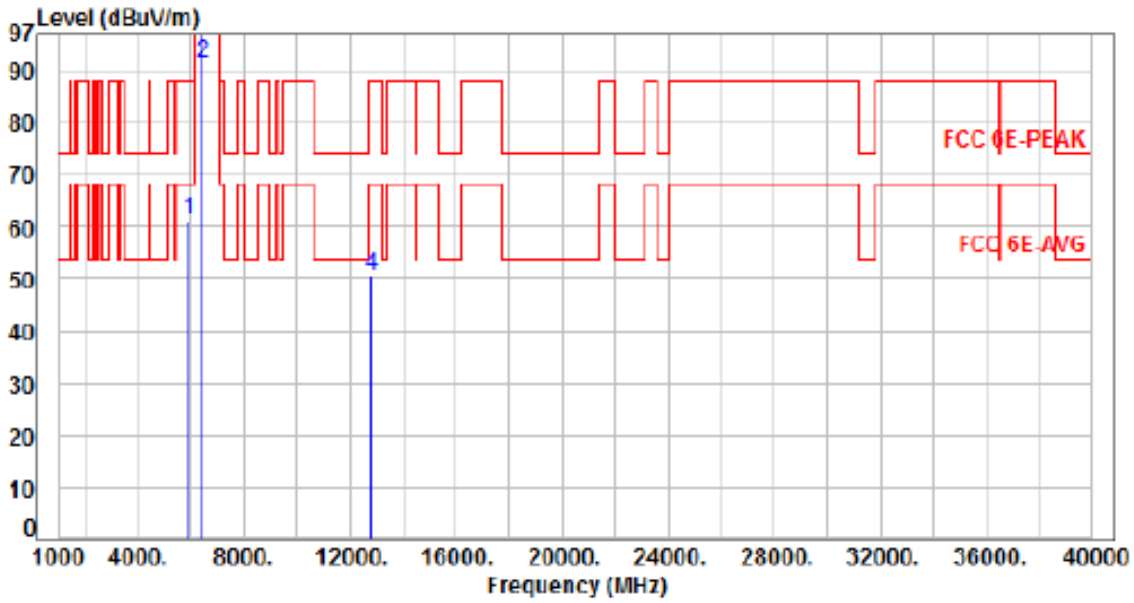


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.80	61.65	88.20	-26.55	Peak	100	39	P
2	6415.00	7.28	86.37	93.65	200.00	-106.35	Average	100	39	P
3	6415.00	7.28	100.29	107.57	200.00	-92.43	Peak	100	39	P
4	12830.00	16.10	35.21	51.31	88.20	-36.89	Peak	100	152	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 5, CH93		:	

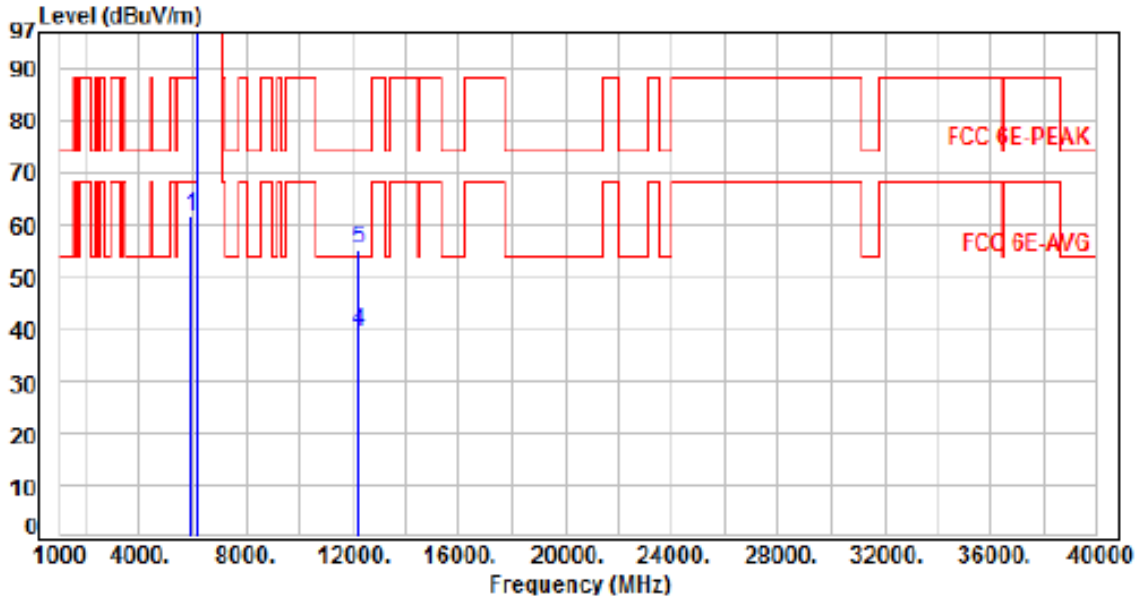


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.49	61.34	88.20	-26.86	Peak	272	71	P
2	6415.00	7.28	84.13	91.41	200.00	-108.59	Average	272	71	P
3	6415.00	7.28	98.01	105.29	200.00	-94.71	Peak	272	71	P
4	12830.00	16.10	34.28	50.38	88.20	-37.82	Peak	100	250	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 5, CH35		:	

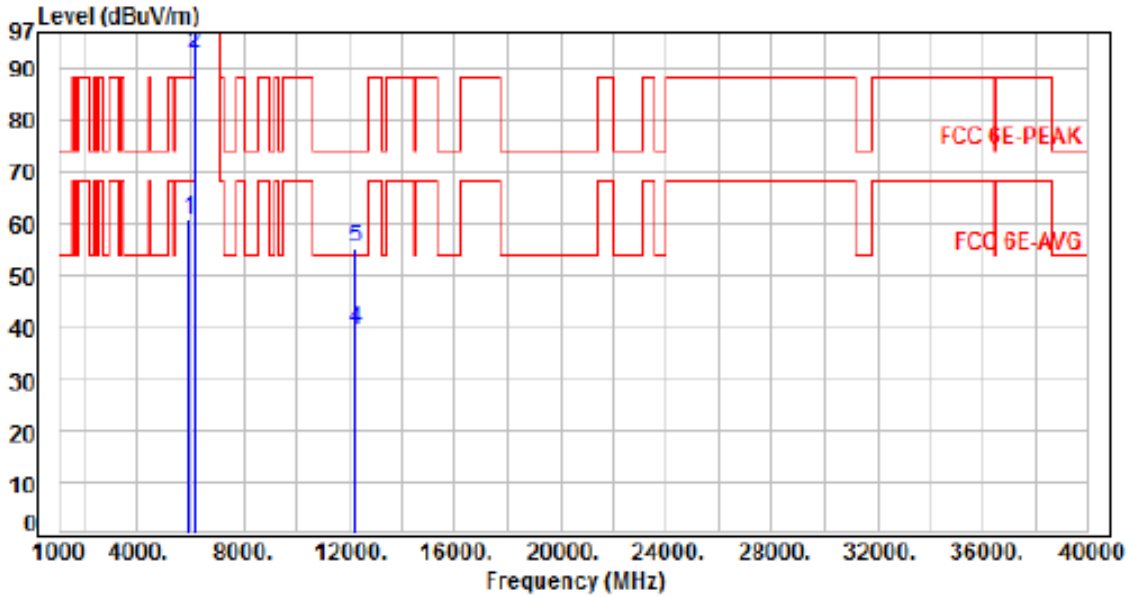


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.83	61.68	88.20	-26.52	Peak	266	357	P
2	6125.00	7.18	90.02	97.20	200.00	-102.80	Average	266	357	P
3	6125.00	7.18	102.99	110.17	200.00	-89.83	Peak	266	357	P
4	12250.00	14.86	24.61	39.47	54.00	-14.53	Average	100	341	P
5	12250.00	14.86	40.50	55.36	74.00	-18.64	Peak	100	341	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 5, CH35		:	

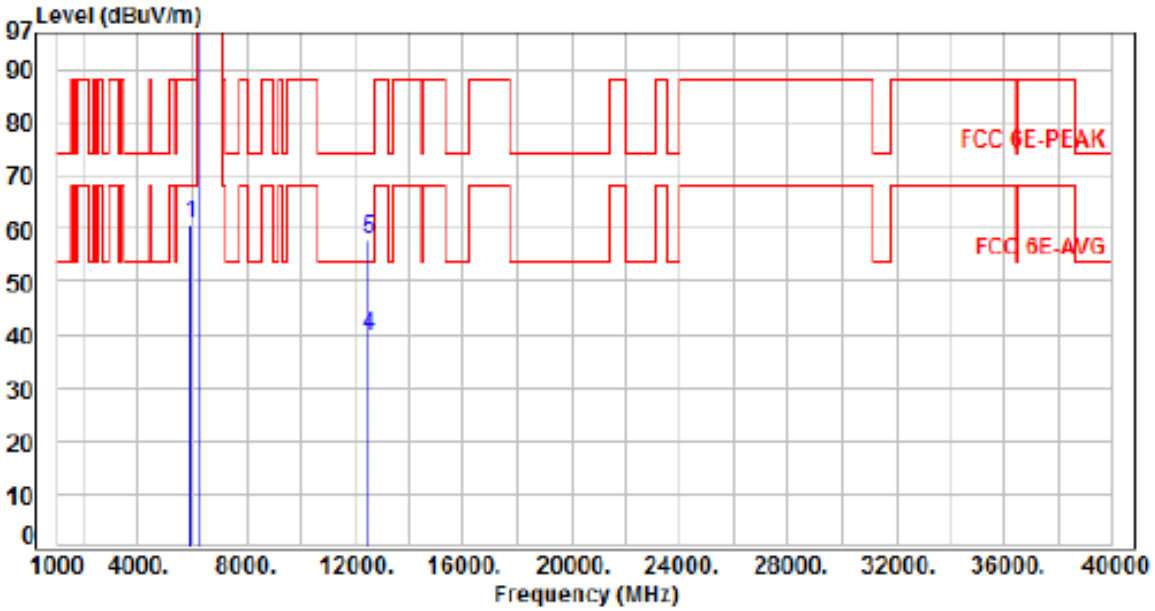


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.65	54.16	61.01	88.20	-27.19	Peak	237	62	P
2	6125.00	7.18	85.70	92.88	200.00	-107.12	Average	237	62	P
3	6125.00	7.18	99.00	106.18	200.00	-93.82	Peak	237	62	P
4	12250.00	14.86	24.56	39.42	54.00	-14.58	Average	100	131	P
5	12250.00	14.86	40.42	55.28	74.00	-18.72	Peak	100	131	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 5, CH59		:	

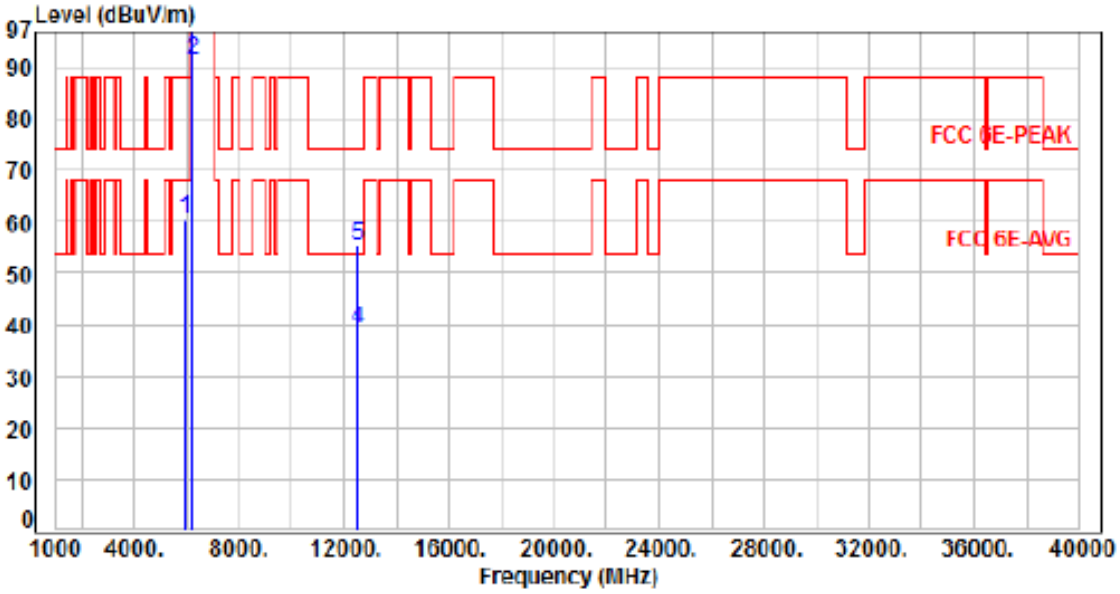


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.04	60.89	88.20	-27.31	Peak	100	360	P
2	6245.00	7.44	88.51	95.95	200.00	-104.05	Average	100	360	P
3	6245.00	7.44	100.87	108.31	200.00	-91.69	Peak	100	360	P
4	12490.00	15.11	24.82	39.93	54.00	-14.07	Average	100	319	P
5	12490.00	15.11	42.72	57.83	74.00	-16.17	Peak	100	319	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 5, CH59		:	

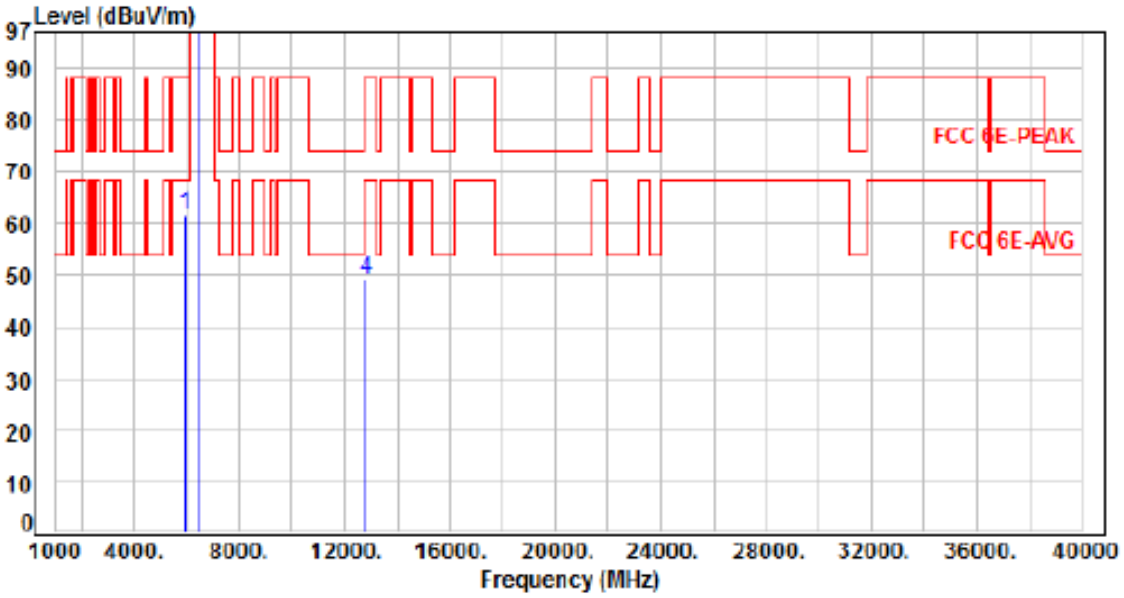


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.55	60.40	88.20	-27.80	Peak	100	45	P
2	6245.00	7.44	84.09	91.53	200.00	-108.47	Average	100	45	P
3	6245.00	7.44	97.10	104.54	200.00	-95.46	Peak	100	45	P
4	12490.00	15.11	23.97	39.08	54.00	-14.92	Average	100	67	P
5	12490.00	15.11	40.28	55.39	74.00	-18.61	Peak	100	67	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 5, CH91		:	

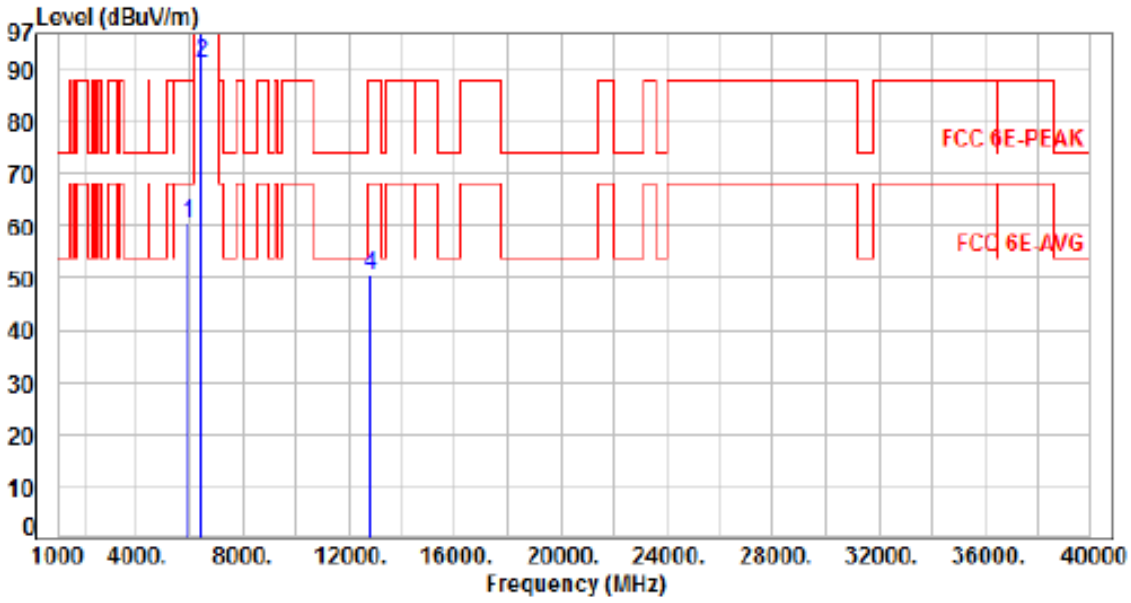


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.63	61.48	88.20	-26.72	Peak	210	356	P
2	6405.00	7.31	89.38	96.69	200.00	-103.31	Average	210	356	P
3	6405.00	7.31	102.89	110.20	200.00	-89.80	Peak	210	356	P
4	12810.00	16.05	32.90	48.95	88.20	-39.25	Peak	100	334	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 5, CH91		:	

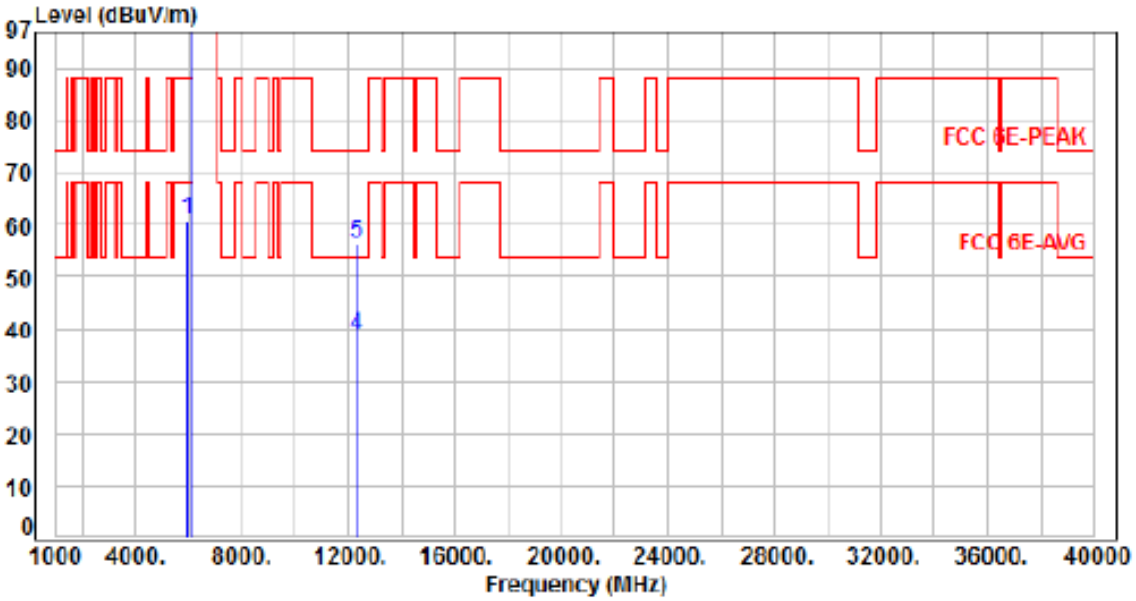


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.69	60.54	88.20	-27.66	Peak	100	85	P
2	6405.00	7.31	84.19	91.50	200.00	-108.50	Average	100	85	P
3	6405.00	7.31	96.84	104.15	200.00	-95.85	Peak	100	85	P
4	12810.00	16.05	34.39	50.44	88.20	-37.76	Peak	100	119	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 5, CH39		:	

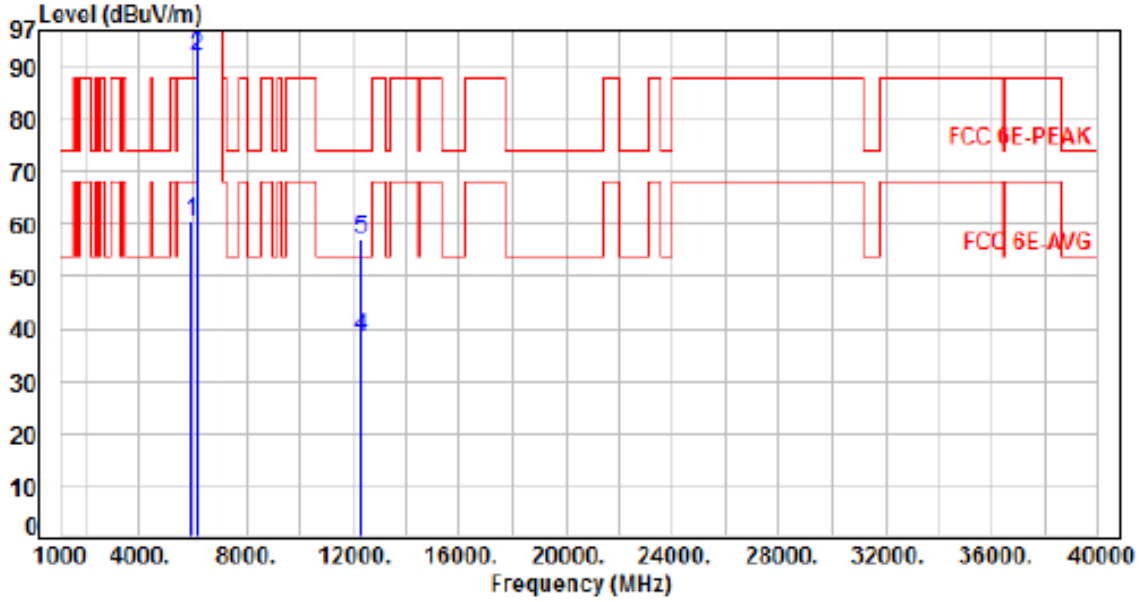


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.89	60.74	88.20	-27.46	Peak	265	356	P
2	6145.00	7.26	89.73	96.99	200.00	-103.01	Average	265	356	P
3	6145.00	7.26	102.78	110.04	200.00	-89.96	Average	265	356	P
4	12290.00	14.90	23.68	38.58	54.00	-15.42	Average	100	275	P
5	12290.00	14.90	41.67	56.57	74.00	-17.43	Peak	100	275	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 5, CH39		:	

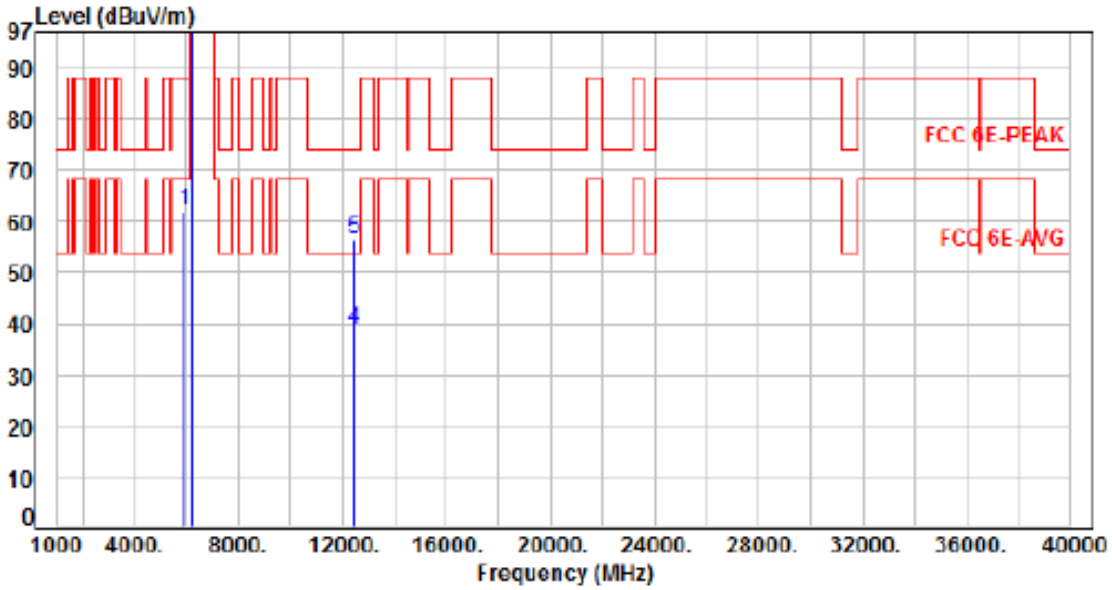


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.77	60.62	88.20	-27.58	Peak	234	57	P
2	6145.00	7.26	85.09	92.35	200.00	-107.65	Average	234	57	P
3	6145.00	7.26	97.73	104.99	200.00	-95.01	Peak	234	57	P
4	12290.00	14.90	23.51	38.41	54.00	-15.59	Average	100	161	P
5	12290.00	14.90	42.40	57.30	74.00	-16.70	Peak	100	161	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 5, CH55		:	

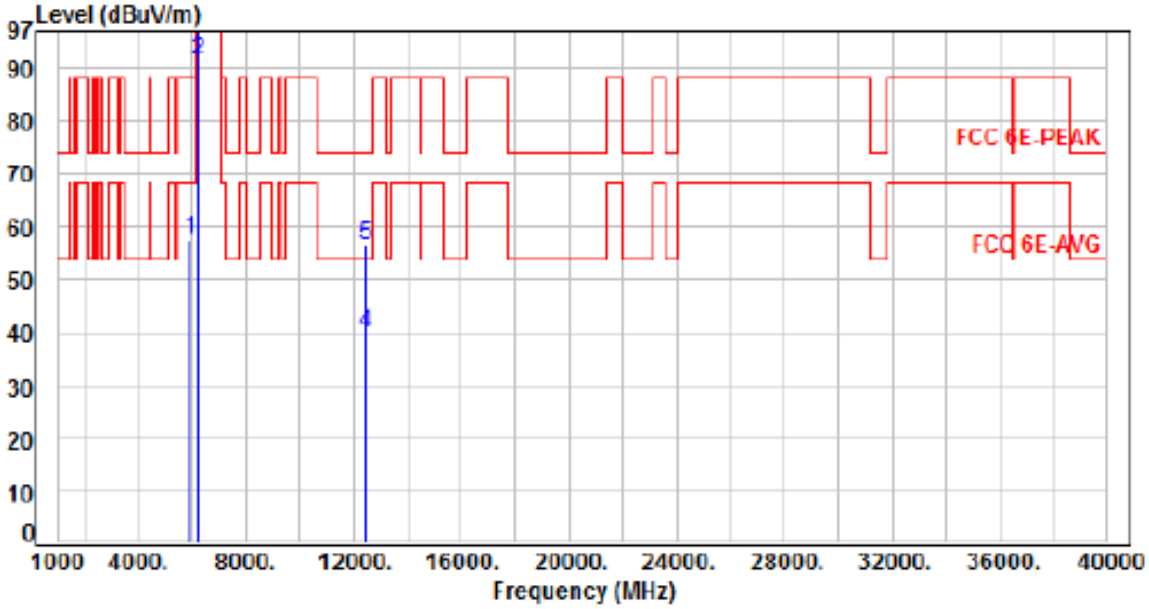


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	55.14	61.99	88.20	-26.21	Peak	257	357	P
2	6225.00	7.43	89.03	96.46	200.00	-103.54	Average	257	357	P
3	6225.00	7.43	101.46	108.89	200.00	-91.11	Peak	257	357	P
4	12450.00	15.11	23.64	38.75	54.00	-15.25	Average	100	330	P
5	12450.00	15.11	41.34	56.45	74.00	-17.55	Peak	100	330	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 5, CH55		:	

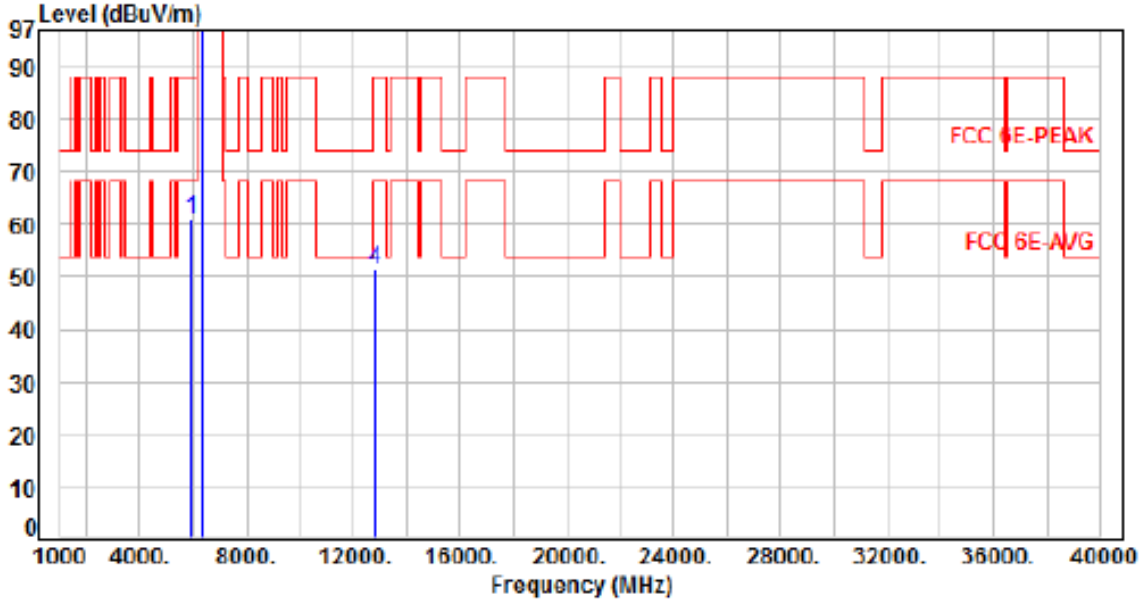


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	50.84	57.69	88.20	-30.51	Peak	100	49	P
2	6225.00	7.43	84.18	91.61	200.00	-108.39	Average	100	49	P
3	6225.00	7.43	96.96	104.39	200.00	-95.61	Peak	100	49	P
4	12450.00	15.11	24.57	39.68	54.00	-14.32	Average	100	71	P
5	12450.00	15.11	41.20	56.31	74.00	-17.69	Peak	100	71	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 5, CH87		:	

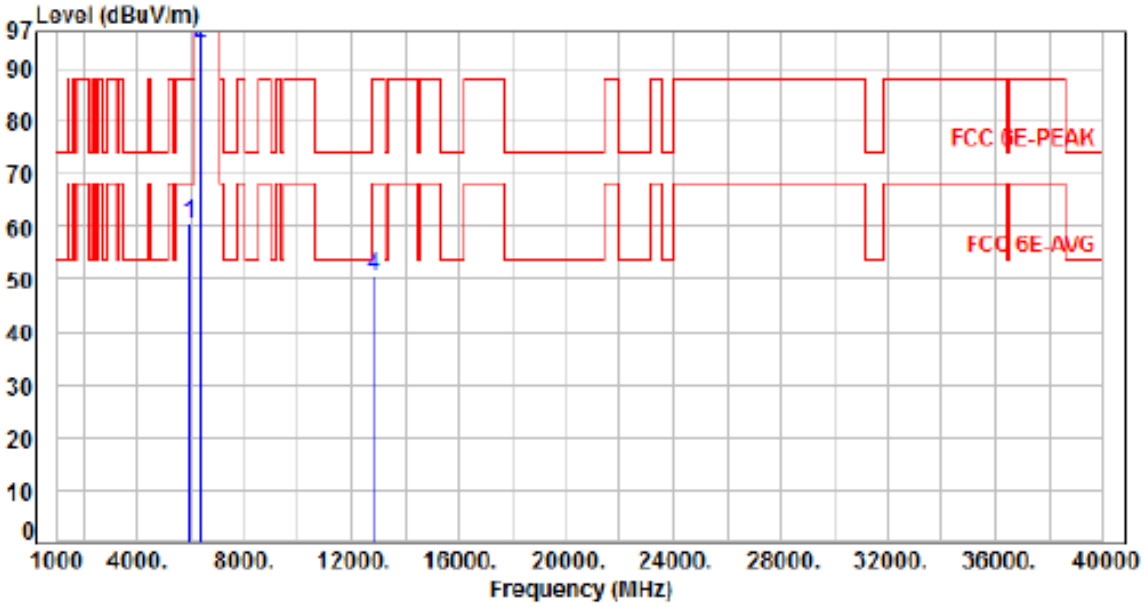


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.05	60.90	88.20	-27.30	Peak	100	37	P
2	6385.00	7.38	88.53	95.91	200.00	-104.09	Average	100	37	P
3	6385.00	7.38	101.31	108.69	200.00	-91.31	Peak	100	37	P
4	12770.00	15.90	35.47	51.37	88.20	-36.83	Peak	100	56	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 5, CH87		:	

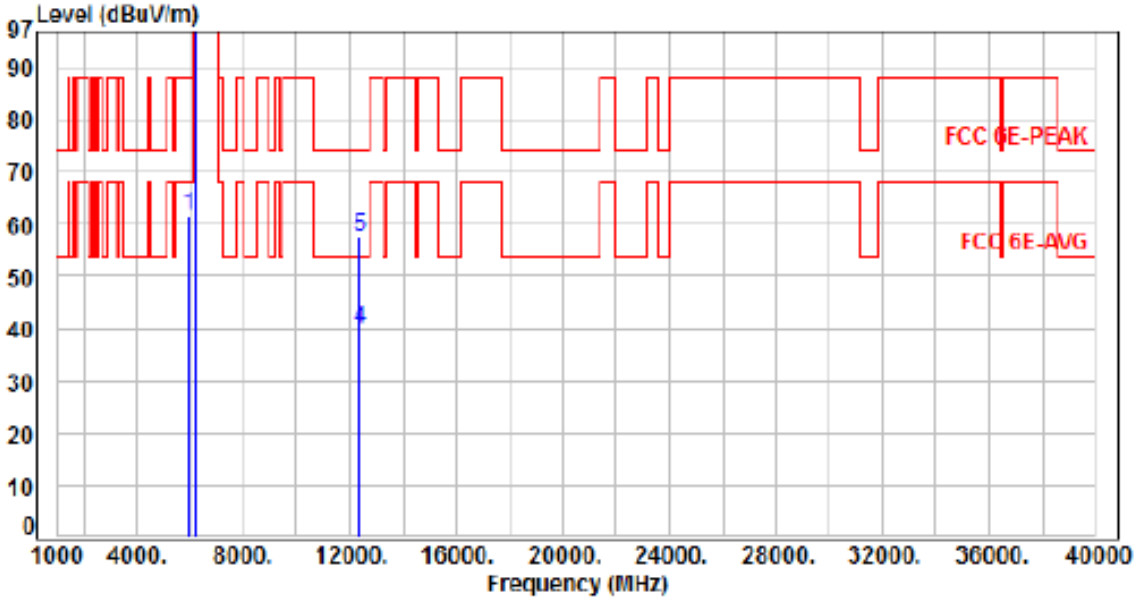


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.52	60.37	88.20	-27.83	Peak	267	69	P
2	6385.00	7.38	87.24	94.62	200.00	-105.38	Average	267	69	P
3	6385.00	7.38	100.89	108.27	200.00	-91.73	Peak	267	69	P
4	12770.00	15.90	34.78	50.68	88.20	-37.52	Peak	100	113	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 5, CH47		:	

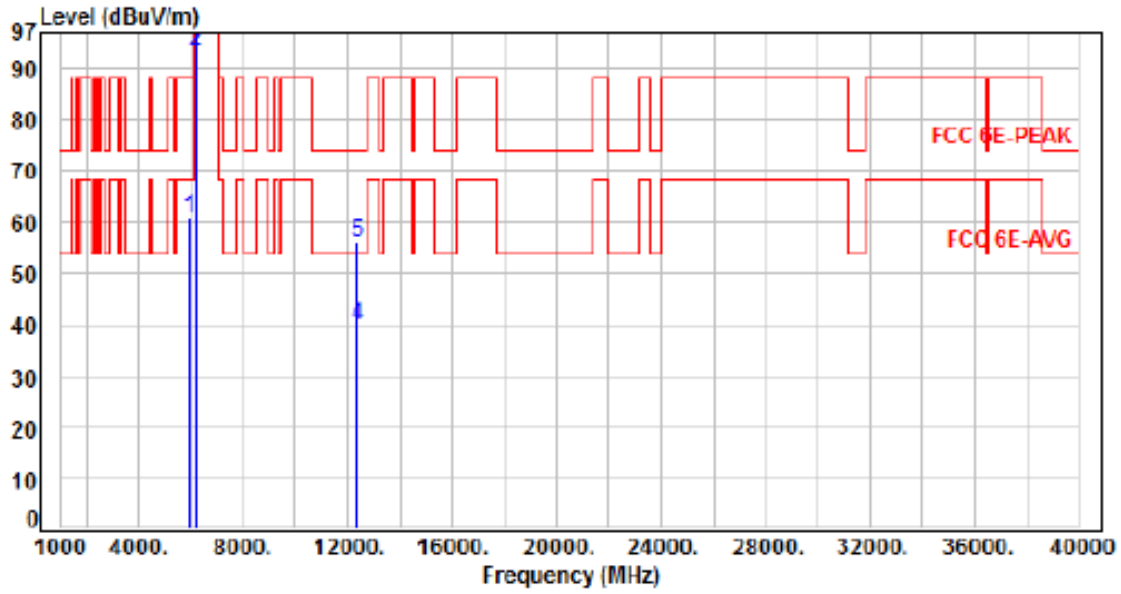


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.84	61.69	88.20	-26.51	Peak	265	355	P
2	6185.00	7.37	90.16	97.53	200.00	-102.47	Average	265	355	P
3	6185.00	7.37	102.32	109.69	200.00	-90.31	Peak	265	355	P
4	12370.00	15.06	24.72	39.78	54.00	-14.22	Average	100	126	P
5	12370.00	15.06	42.52	57.58	74.00	-16.42	Peak	100	126	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 5, CH47		:	

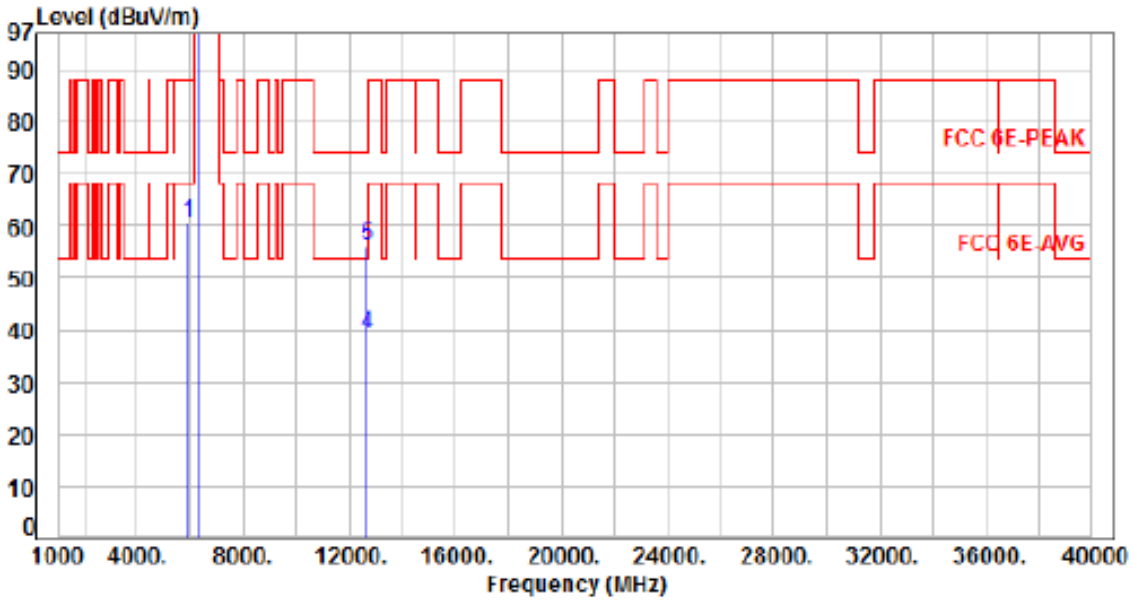


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.85	60.70	88.20	-27.50	Peak	258	66	P
2	6185.00	7.37	85.94	93.31	200.00	-106.69	Average	258	66	P
3	6185.00	7.37	99.12	106.49	200.00	-93.51	Peak	258	66	P
4	12370.00	15.06	24.73	39.79	54.00	-14.21	Average	100	81	P
5	12370.00	15.06	40.86	55.92	74.00	-18.08	Peak	100	81	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 5, CH79		:	

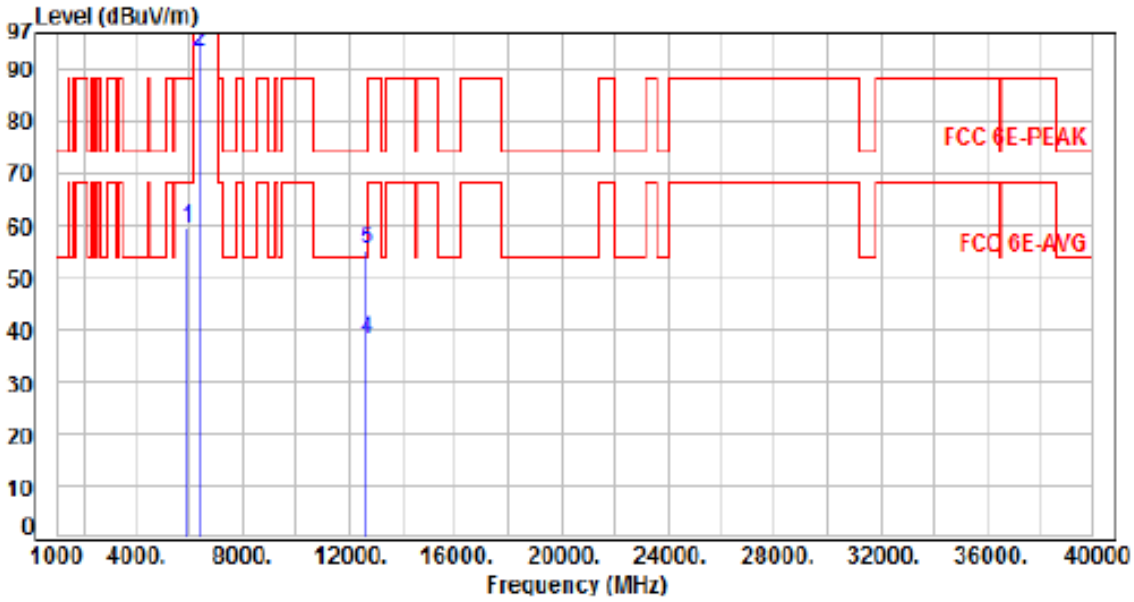


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.53	60.38	88.20	-27.82	Peak	200	351	P
2	6345.00	7.50	88.84	96.34	200.00	-103.66	Average	200	351	P
3	6345.00	7.50	100.53	108.03	200.00	-91.97	Peak	200	351	P
4	12690.00	15.56	23.57	39.13	54.00	-14.87	Average	100	251	P
5	12690.00	15.56	40.65	56.21	74.00	-17.79	Peak	100	251	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 5, CH79		:	

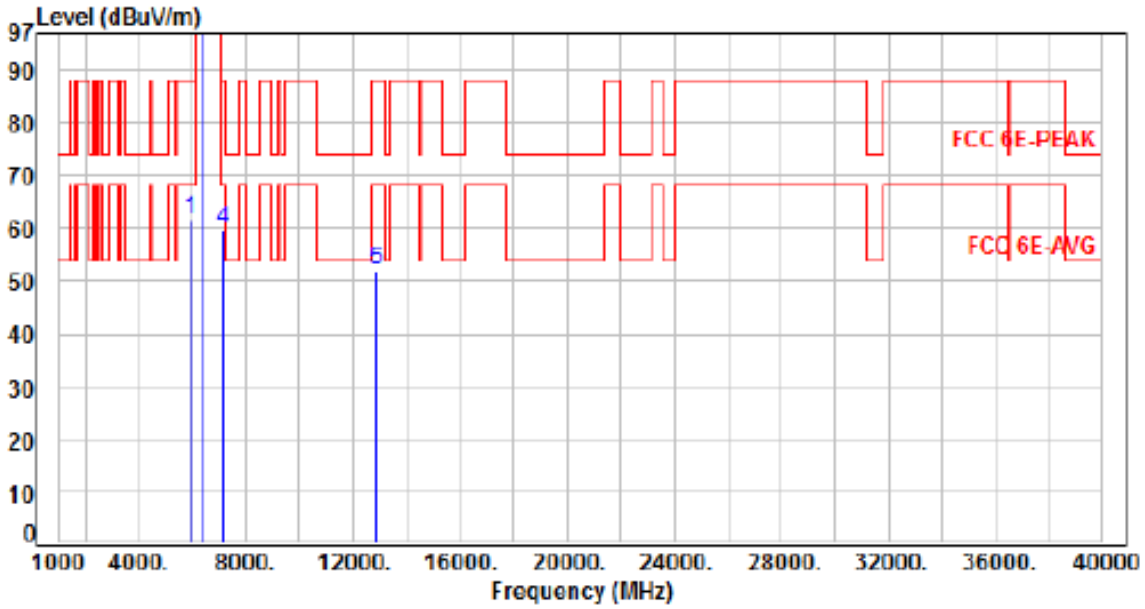


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.53	59.38	88.20	-28.82	Peak	200	351	P
2	6345.00	7.50	85.84	93.34	200.00	-106.66	Average	200	351	P
3	6345.00	7.50	98.53	106.03	200.00	-93.97	Peak	200	351	P
4	12690.00	15.56	22.57	38.13	54.00	-15.87	Average	100	251	P
5	12690.00	15.56	39.65	55.21	74.00	-18.79	Peak	100	251	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 6, CH97		:	

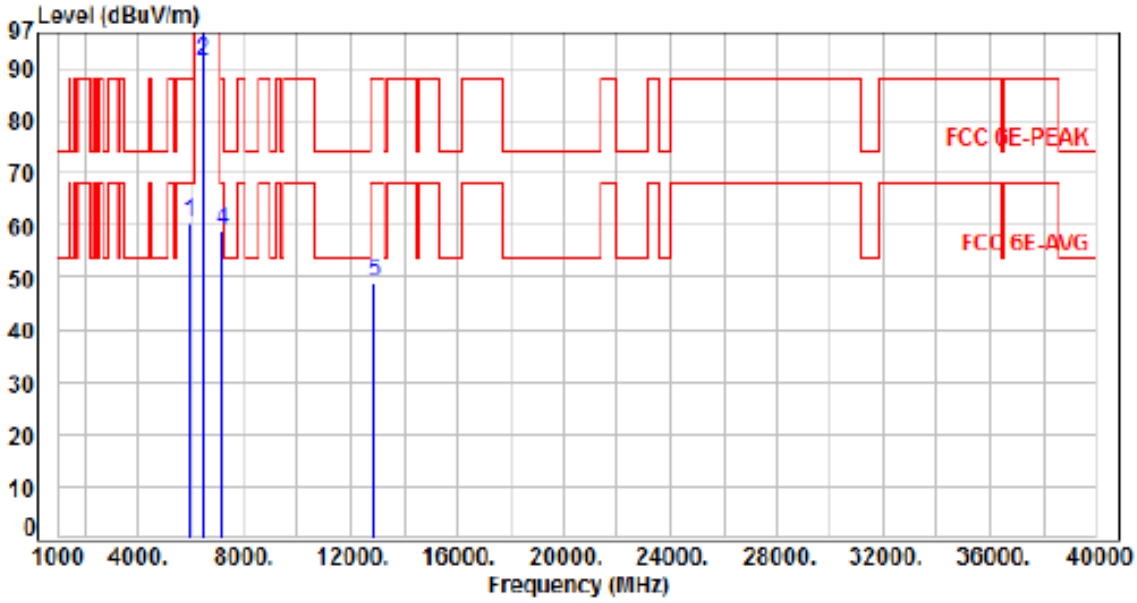


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.82	61.67	88.20	-26.53	Peak	126	22	P
2	6435.00	7.21	89.32	96.53	200.00	-103.47	Average	126	22	P
3	6435.00	7.21	102.19	109.40	200.00	-90.60	Peak	126	22	P
4	7135.00	8.91	51.01	59.92	88.20	-28.28	Peak	126	22	P
5	12870.00	16.20	35.79	51.99	88.20	-36.21	Peak	100	132	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 6, CH97		:	

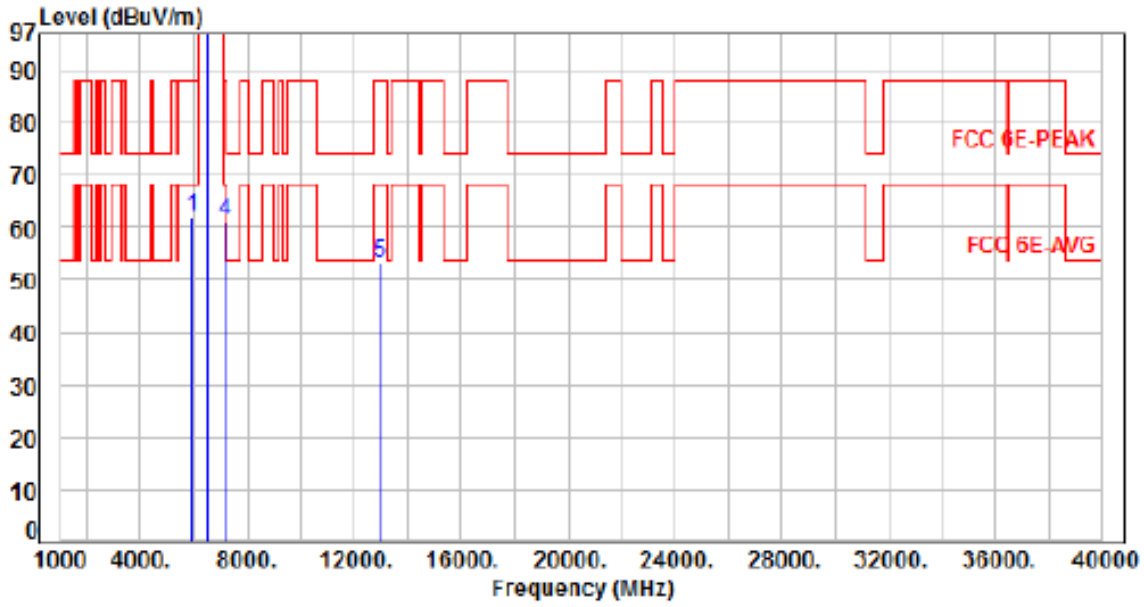


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.80	60.65	88.20	-27.55	Peak	259	61	P
2	6435.00	7.21	84.34	91.55	200.00	-108.45	Average	259	61	P
3	6435.00	7.21	96.81	104.02	200.00	-95.98	Peak	259	61	P
4	7135.00	8.91	50.21	59.12	88.20	-29.08	Peak	259	61	P
5	12870.00	16.20	32.79	48.99	88.20	-39.21	Peak	100	320	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 6, CH105		:	

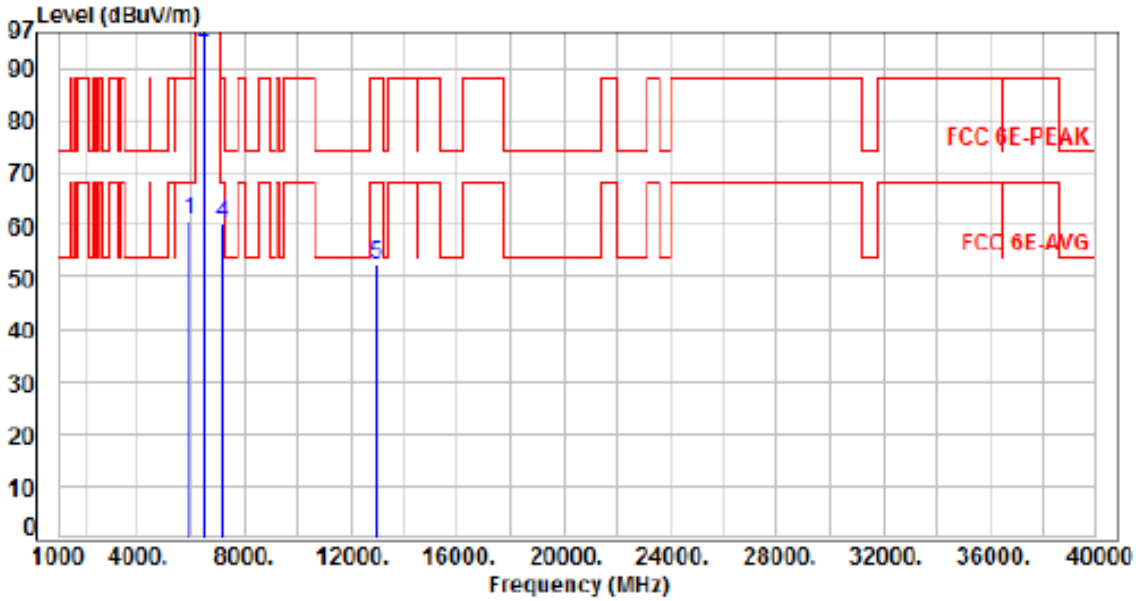


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	55.04	61.89	88.20	-26.31	Peak	100	22	P
2	6475.00	7.22	90.04	97.26	200.00	-102.74	Average	100	22	P
3	6475.00	7.22	103.00	110.22	200.00	-89.78	Peak	100	22	P
4	7135.00	8.91	52.20	61.11	88.20	-27.09	Peak	100	22	P
5	12950.00	16.54	36.49	53.03	88.20	-35.17	Peak	100	58	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 6, CH105		:	

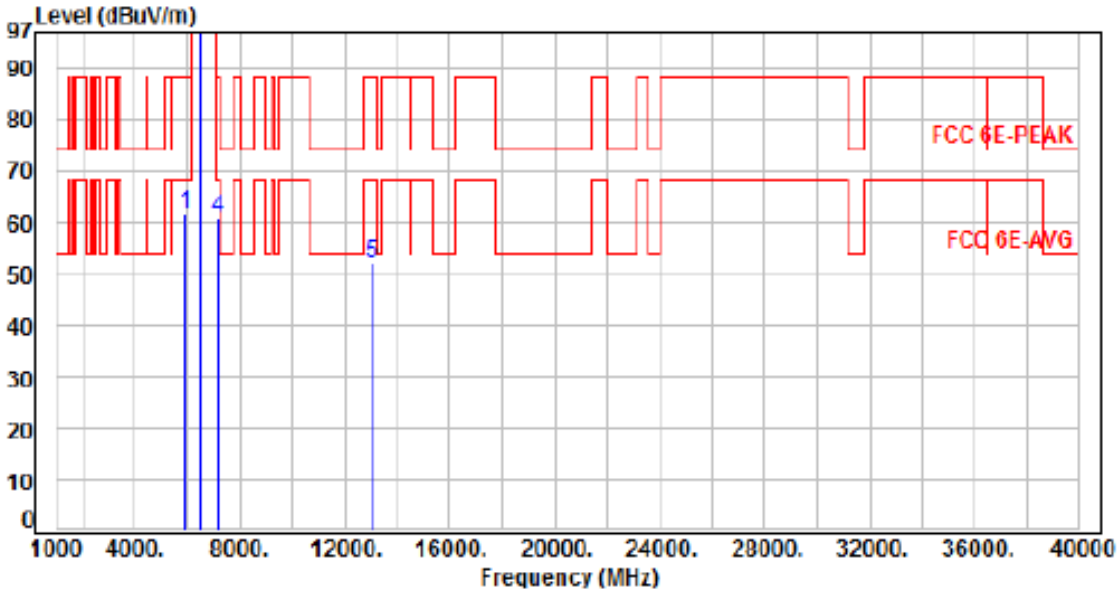


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.10	60.95	88.20	-27.25	Peak	257	294	P
2	6475.00	7.22	87.70	94.92	200.00	-105.08	Average	257	294	P
3	6475.00	7.22	100.75	107.97	200.00	-92.03	Peak	257	294	P
4	7135.00	8.91	51.09	60.00	88.20	-28.20	Peak	257	294	P
5	12950.00	16.54	35.79	52.33	88.20	-35.87	Peak	100	316	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 6, CH113		:	

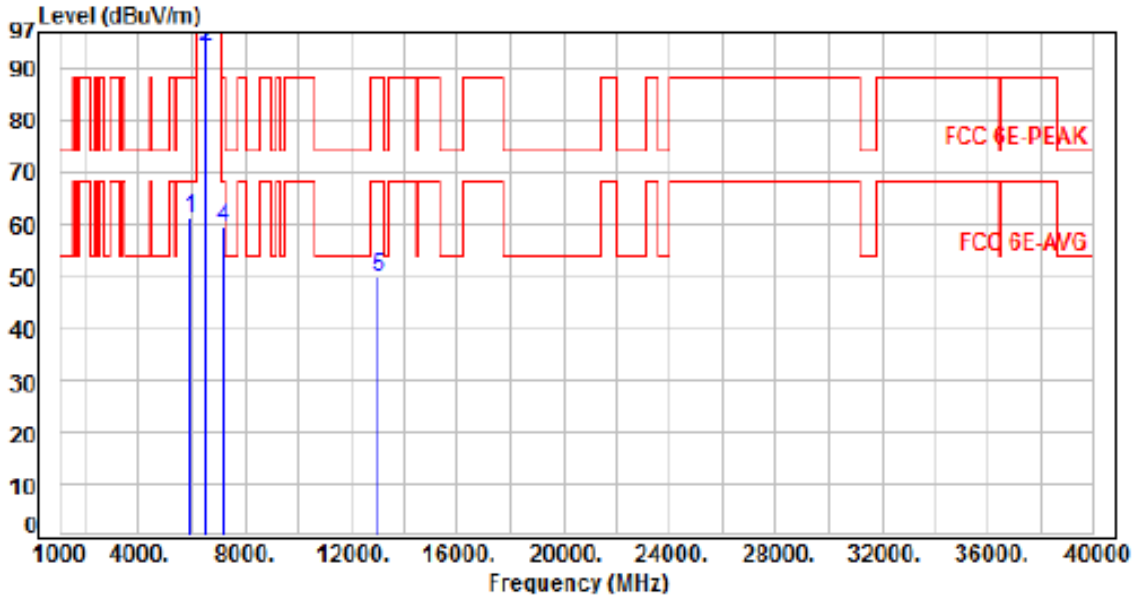


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.79	61.64	88.20	-26.56	Peak	100	19	P
2	6515.00	7.36	89.38	96.74	200.00	-103.26	Average	100	19	P
3	6515.00	7.36	102.31	109.67	200.00	-90.33	Peak	100	19	P
4	7135.00	8.91	51.98	60.89	88.20	-27.31	Peak	100	19	P
5	13030.00	16.89	35.12	52.01	88.20	-36.19	Peak	100	99	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 6, CH113		:	

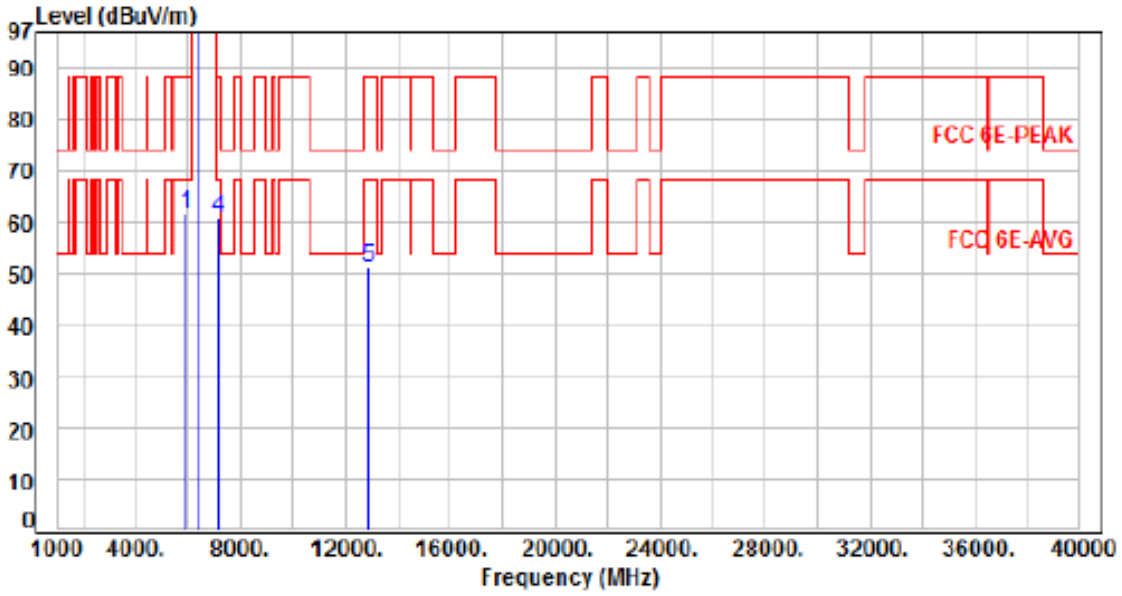


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.21	61.06	88.20	-27.14	Peak	266	294	P
2	6515.00	7.36	86.53	93.89	200.00	-106.11	Average	266	294	P
3	6515.00	7.36	99.82	107.18	200.00	-92.82	Peak	266	294	P
4	7135.00	8.91	50.58	59.49	88.20	-28.71	Peak	266	294	P
5	13030.00	16.89	32.81	49.70	88.20	-38.50	Peak	100	310	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 6, CH99		:	

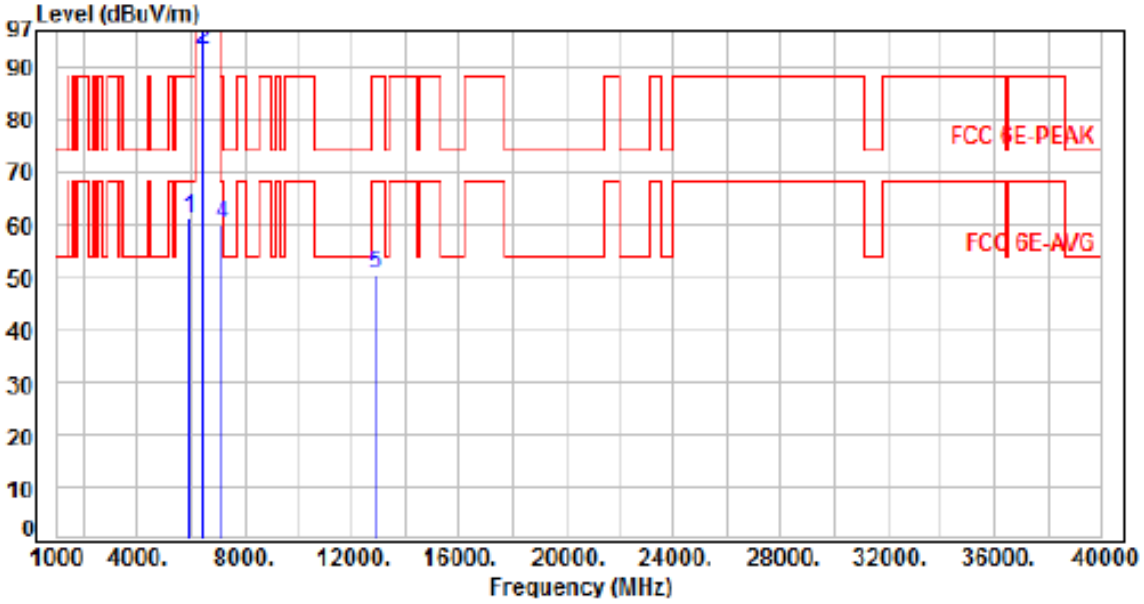


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.63	61.48	88.20	-26.72	Peak	100	24	P
2	6445.00	7.18	89.26	96.44	200.00	-103.56	Average	100	24	P
3	6445.00	7.18	102.57	109.75	200.00	-90.25	Peak	100	24	P
4	7135.00	8.91	51.89	60.80	88.20	-27.40	Peak	100	24	P
5	12890.00	16.24	35.21	51.45	88.20	-36.75	Peak	100	67	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 6, CH99		:	

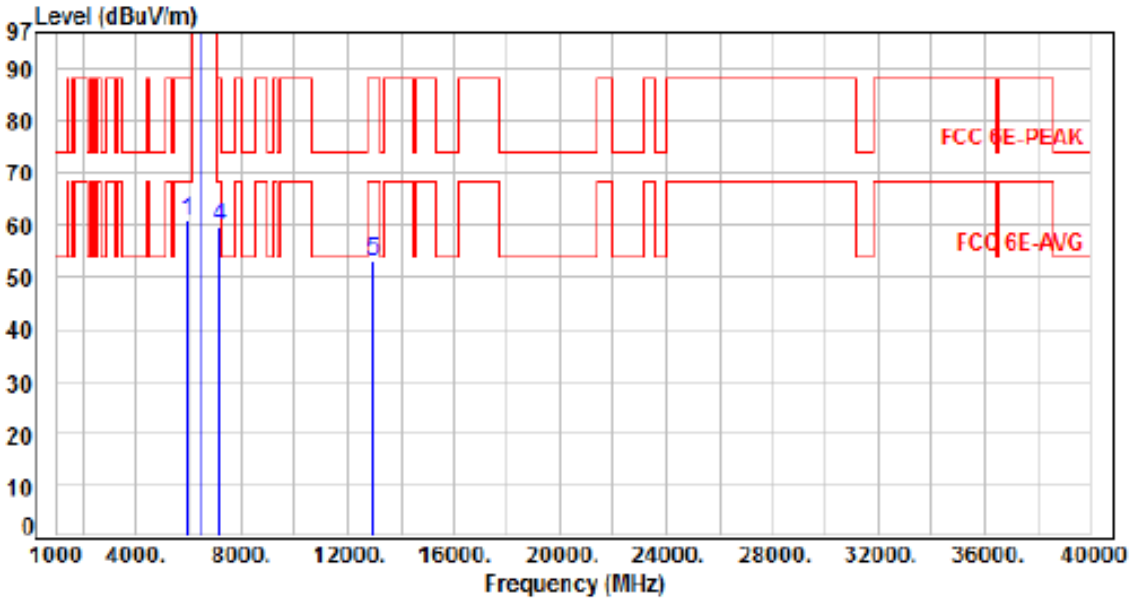


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.21	61.06	88.20	-27.14	Peak	243	294	P
2	6445.00	7.18	86.12	93.30	200.00	-106.70	Average	243	294	P
3	6445.00	7.18	98.82	106.00	200.00	-94.00	Peak	243	294	P
4	7135.00	8.91	51.21	60.12	88.20	-28.08	Peak	243	294	P
5	12890.00	16.24	34.12	50.36	88.20	-37.84	Peak	100	341	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 6, CH107		:	

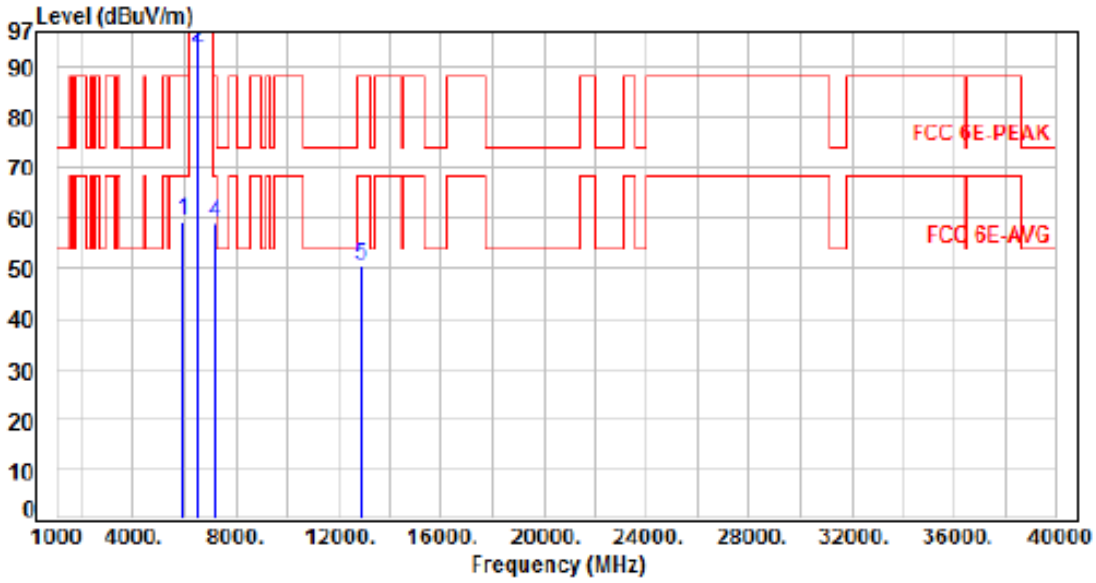


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.14	60.99	88.20	-27.21	Peak	100	18	P
2	6485.00	7.25	89.35	96.60	200.00	-103.40	Average	100	18	P
3	6485.00	7.25	102.45	109.70	200.00	-90.30	Peak	100	18	P
4	7135.00	8.91	50.89	59.80	88.20	-28.40	Peak	100	18	P
5	12970.00	16.64	36.59	53.23	88.20	-34.97	Peak	100	38	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 6, CH107		:	

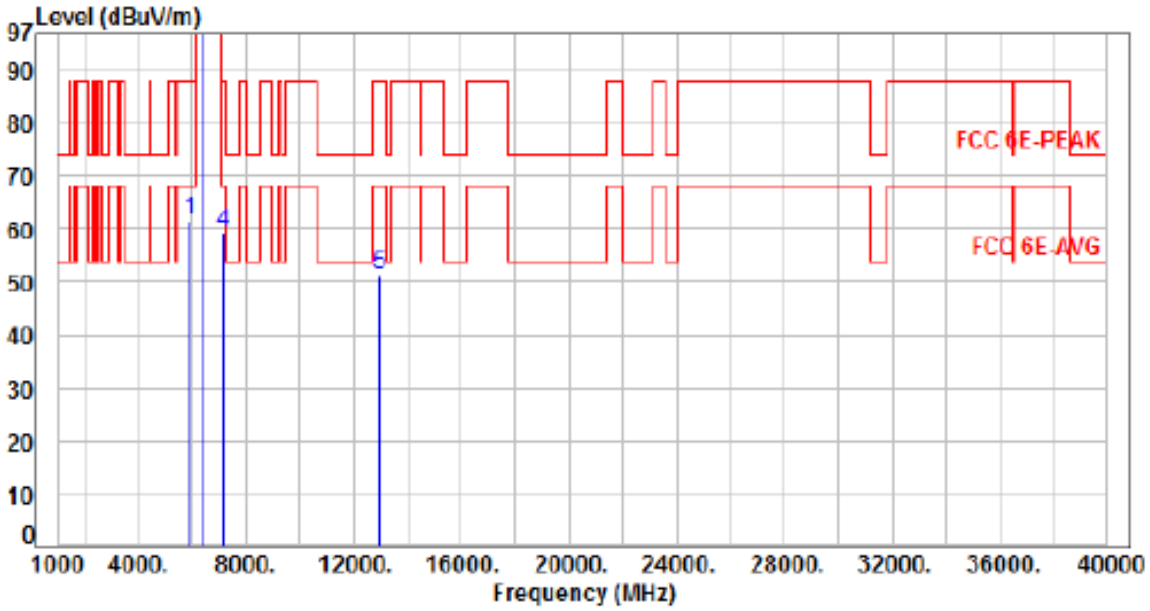


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.38	59.23	88.20	-28.97	Peak	258	294	P
2	6485.00	7.25	86.68	93.93	200.00	-106.07	Average	258	294	P
3	6485.00	7.25	99.25	106.50	200.00	-93.50	Peak	258	294	P
4	7135.00	8.91	49.98	58.89	88.20	-29.31	Peak	258	294	P
5	12890.00	16.24	34.38	50.62	88.20	-37.58	Peak	100	360	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 6, CH103		:	

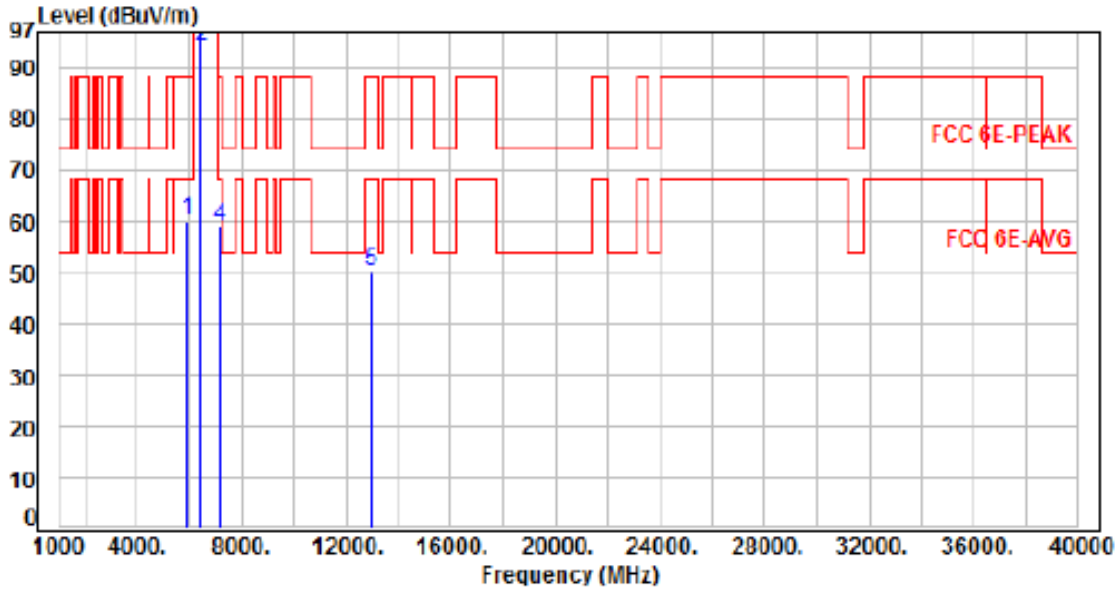


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.73	61.58	88.20	-26.62	Peak	117	26	P
2	6465.00	7.20	88.81	96.01	200.00	-103.99	Average	117	26	P
3	6465.00	7.20	101.96	109.16	200.00	-90.84	Peak	117	26	P
4	7135.00	8.91	50.31	59.22	88.20	-28.98	Peak	117	26	P
5	12930.00	16.43	34.79	51.22	88.20	-36.98	Peak	100	77	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 6, CH103		:	

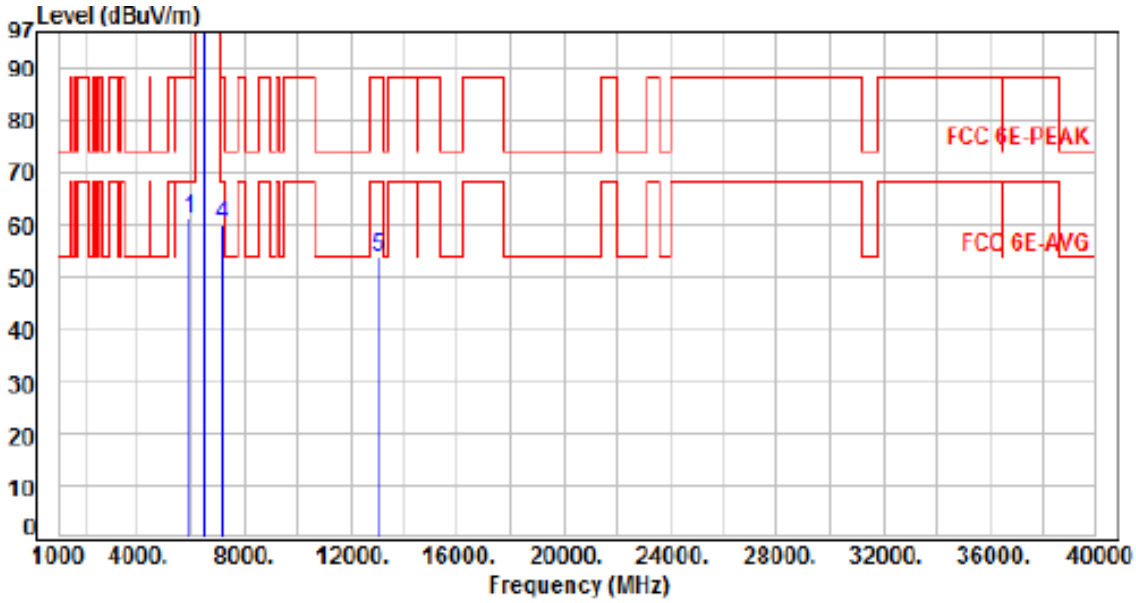


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.10	59.95	88.20	-28.25	Peak	270	290	P
2	6465.00	7.20	86.70	93.90	200.00	-106.10	Average	270	290	P
3	6465.00	7.20	99.16	106.36	200.00	-93.64	Peak	270	290	P
4	7135.00	8.91	49.99	58.90	88.20	-29.30	Peak	270	290	P
5	12930.00	16.43	33.80	50.23	88.20	-37.97	Peak	100	318	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 6 Straddle Channel, CH115		:	

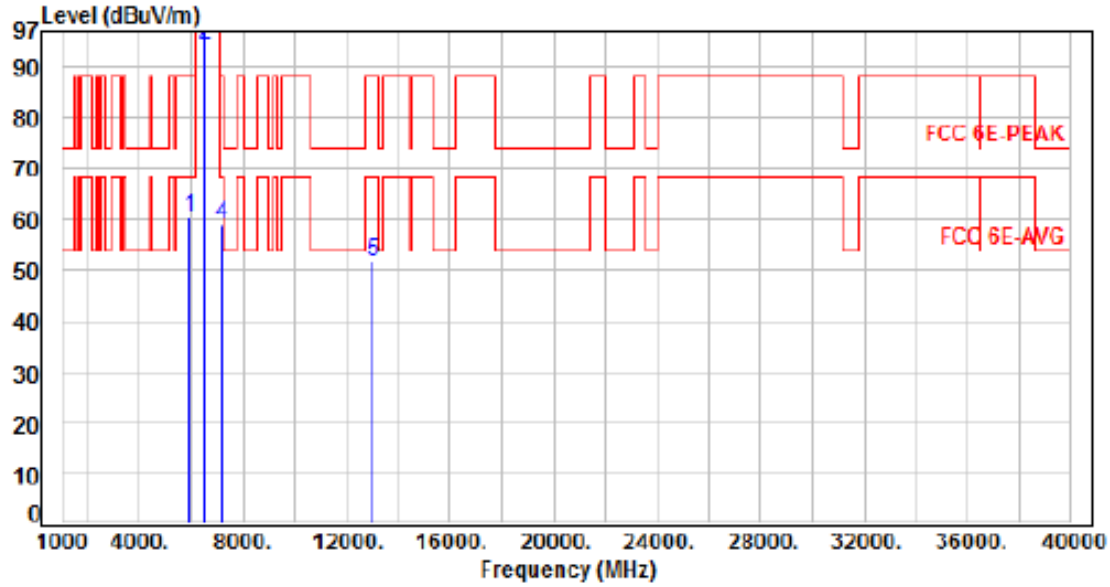


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.46	61.31	88.20	-26.89	Peak	275	345	P
2	6525.00	7.40	90.76	98.16	200.00	-101.84	Average	275	345	P
3	6525.00	7.40	104.21	111.61	200.00	-88.39	Peak	275	345	P
4	7135.00	8.91	51.31	60.22	88.20	-27.98	Peak	275	345	P
5	13050.00	16.95	36.80	53.75	88.20	-34.45	Peak	100	128	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2 , Band 6 Straddle Channel, CH115		:	

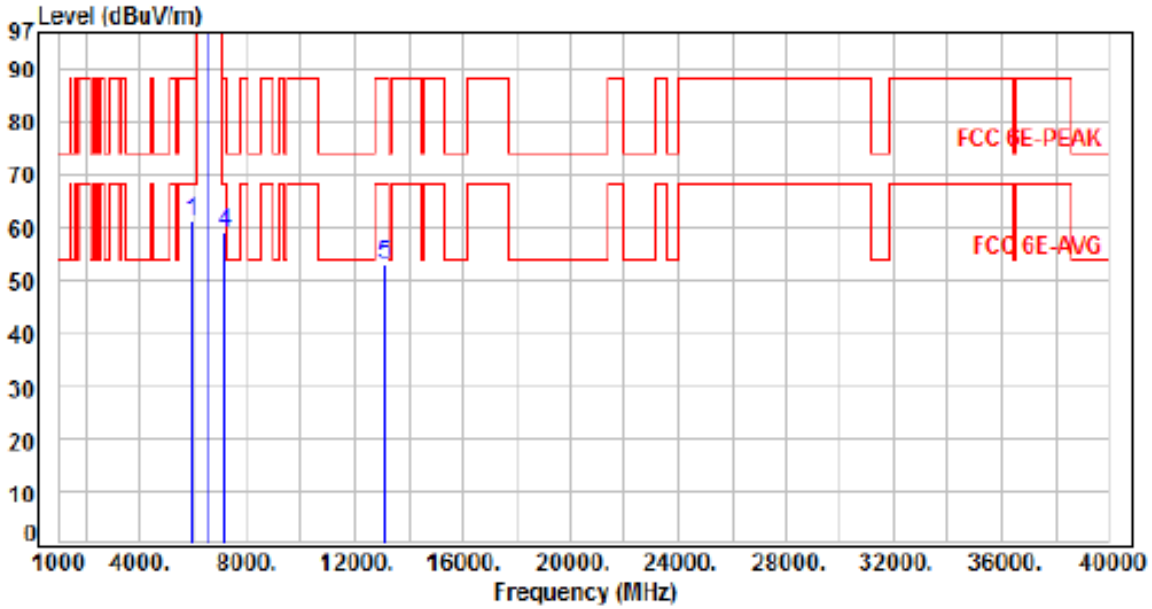


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.66	60.51	88.20	-27.69	Peak	266	60	P
2	6525.00	7.40	87.11	94.51	200.00	-105.49	Average	266	60	P
3	6525.00	7.40	100.11	107.51	200.00	-92.49	Peak	266	60	P
4	7135.00	8.91	50.11	59.02	88.20	-29.18	Peak	266	60	P
5	13050.00	16.95	34.80	51.75	88.20	-36.45	Peak	100	284	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 6 Straddle Channel, CH119		:	

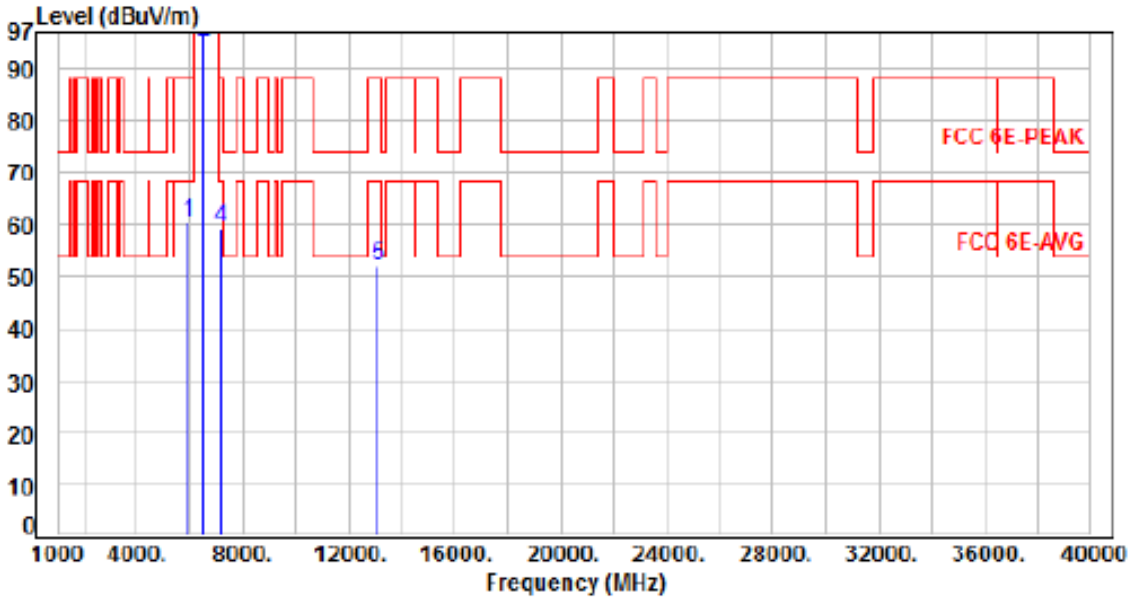


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.33	61.18	88.20	-27.02	Peak	258	349	P
2	6545.00	7.49	91.60	99.09	200.00	-100.91	Average	258	349	P
3	6545.00	7.49	104.18	111.67	200.00	-88.33	Peak	258	349	P
4	7135.00	8.91	49.99	58.90	88.20	-29.30	Peak	258	349	P
5	13090.00	17.07	35.90	52.97	88.20	-35.23	Peak	100	124	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 6 Straddle Channel, CH119		:	

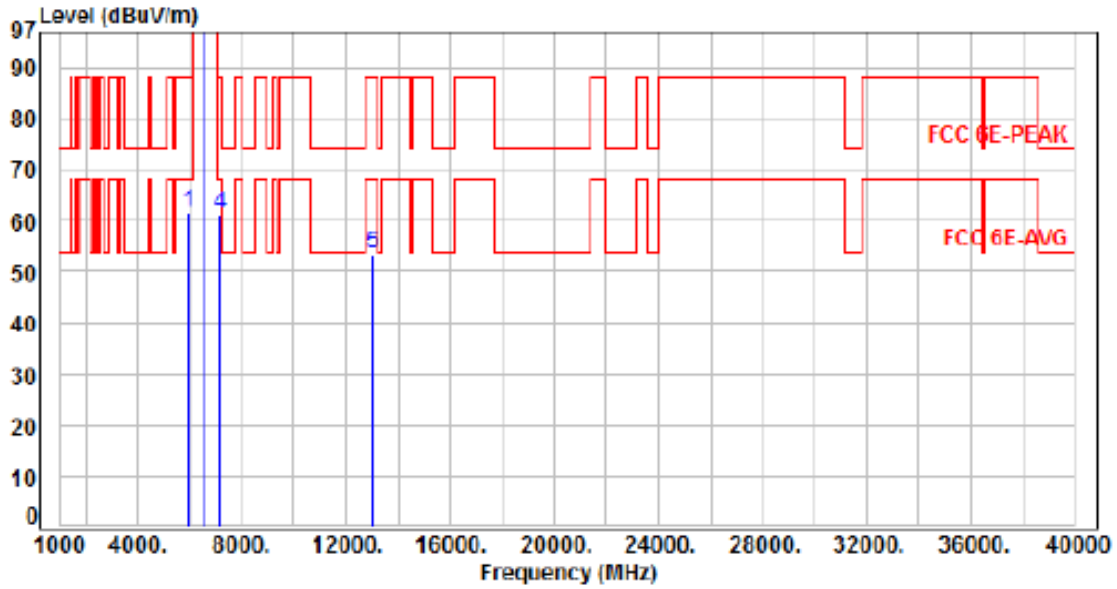


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.76	60.61	88.20	-27.59	Peak	265	63	P
2	6545.00	7.49	87.49	94.98	200.00	-105.02	Average	265	63	P
3	6545.00	7.49	101.04	108.53	200.00	-91.47	Peak	265	63	P
4	7135.00	8.91	50.51	59.42	88.20	-28.78	Peak	265	63	P
5	13090.00	17.07	34.90	51.97	88.20	-36.23	Peak	100	288	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)		Pol/Phase	:	VERTICAL	
Test Mode	:	Mode 4, Band 6 Straddle Channel, CH111			:		

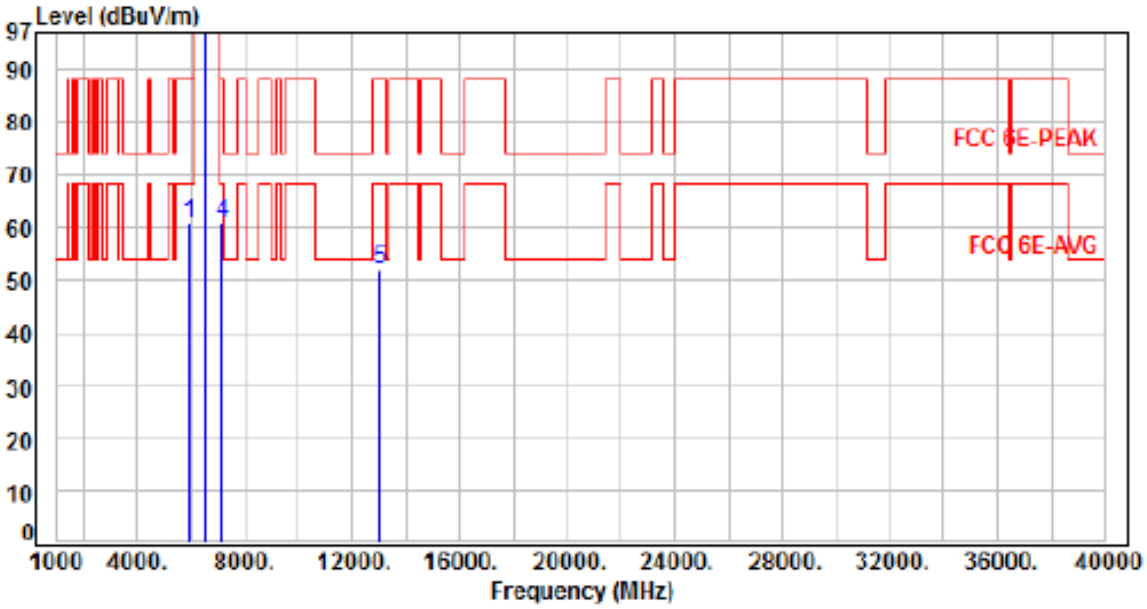


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.68	61.53	88.20	-26.67	Peak	253	352	P
2	6505.00	7.31	94.46	101.77	200.00	-98.23	Average	253	352	P
3	6505.00	7.31	108.00	115.31	200.00	-84.69	Peak	253	352	P
4	7135.00	8.91	52.31	61.22	88.20	-26.98	Peak	253	352	P
5	13010.00	16.83	36.80	53.63	88.20	-34.57	Peak	100	118	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 6 Straddle Channel, CH111		:	

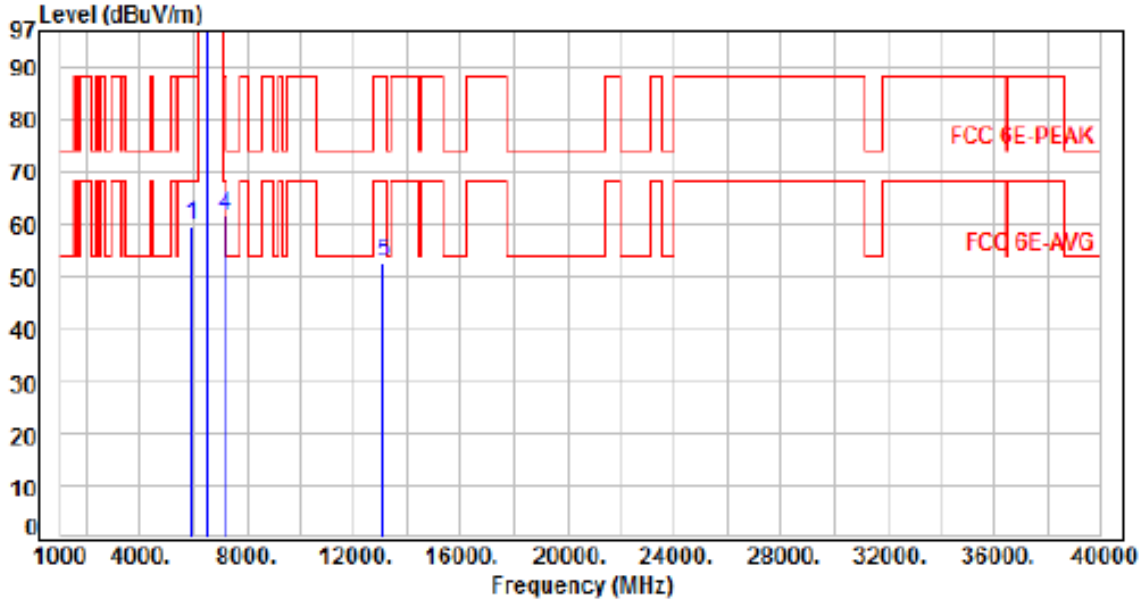


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.10	60.95	88.20	-27.25	Peak	265	66	P
2	6505.00	7.31	91.38	98.69	200.00	-101.31	Average	265	66	P
3	6505.00	7.31	103.92	111.23	200.00	-88.77	Peak	265	66	P
4	7135.00	8.91	51.98	60.89	88.20	-27.31	Peak	265	66	P
5	13010.00	16.83	35.17	52.00	88.20	-36.20	Peak	100	269	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 7, CH117		:	

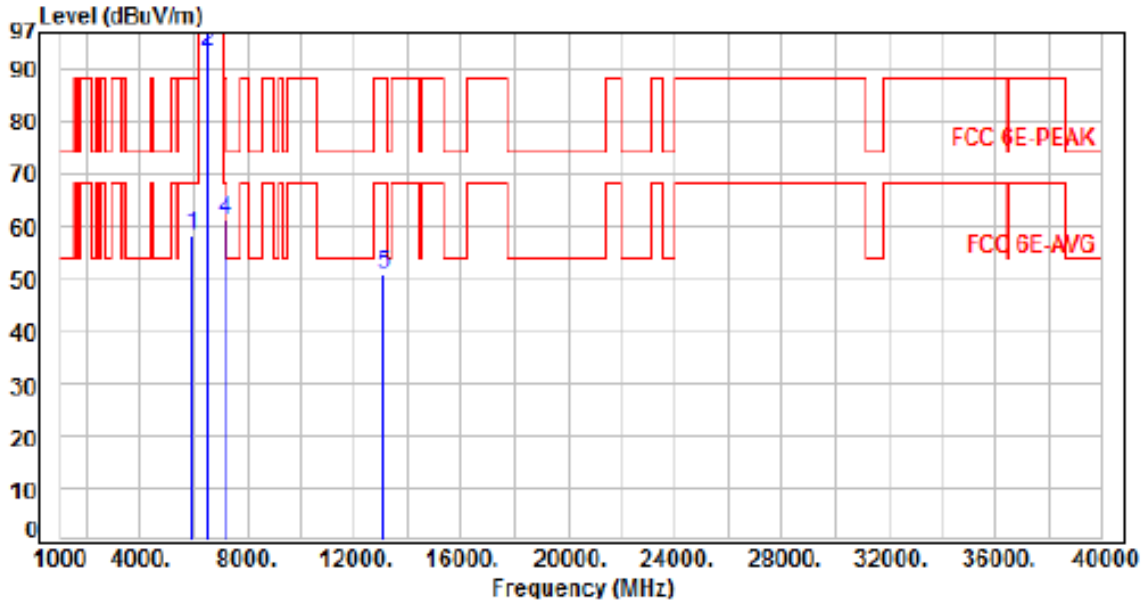


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.99	59.84	88.20	-28.36	Peak	135	25	P
2	6535.00	7.44	88.56	96.00	200.00	-104.00	Average	135	25	P
3	6535.00	7.44	102.25	109.69	200.00	-90.31	Peak	135	25	P
4	7135.00	8.91	52.57	61.48	88.20	-26.72	Peak	135	25	P
5	13070.00	17.01	35.81	52.82	88.20	-35.38	Peak	100	66	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 7, CH117		:	

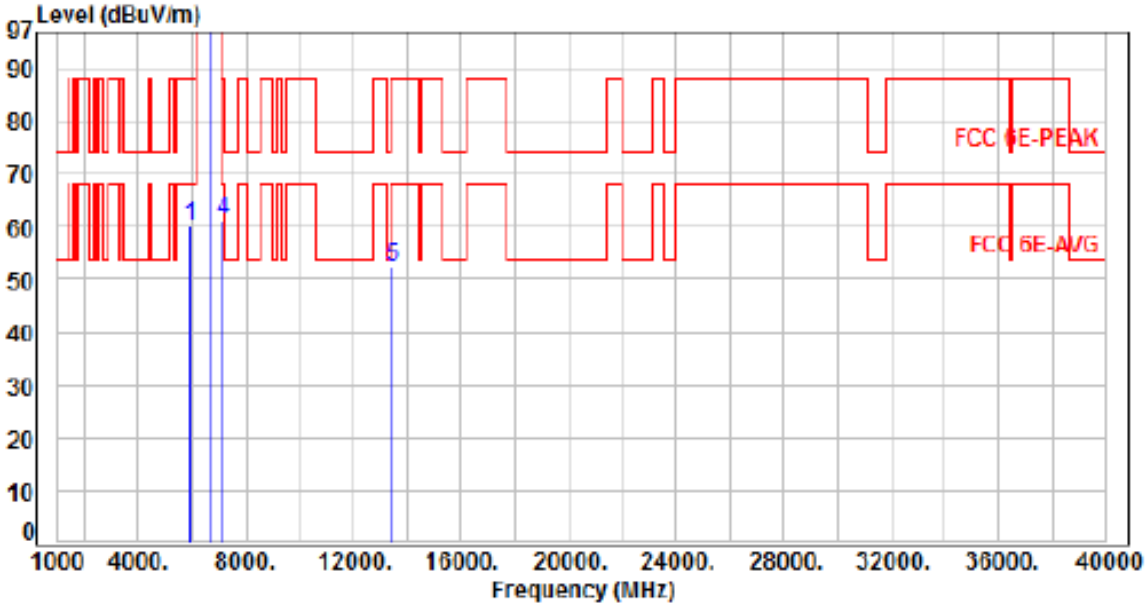


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	51.28	58.13	88.20	-30.07	Peak	255	298	P
2	6535.00	7.44	85.87	93.31	200.00	-106.69	Average	255	298	P
3	6535.00	7.44	99.61	107.05	200.00	-92.95	Peak	255	298	P
4	7135.00	8.91	52.30	61.21	88.20	-26.99	Peak	255	298	P
5	13070.00	17.01	33.81	50.82	88.20	-37.38	Peak	100	301	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 7, CH153		:	

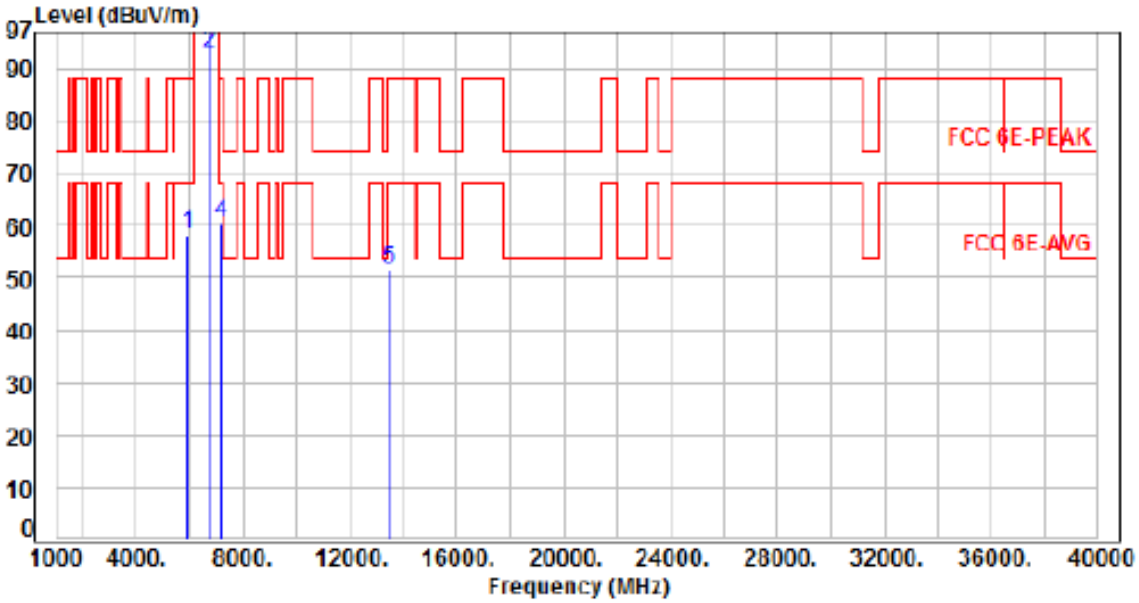


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.12	59.97	88.20	-28.23	Peak	126	29	P
2	6715.00	8.18	87.40	95.58	200.00	-104.42	Average	126	29	P
3	6715.00	8.18	100.52	108.70	200.00	-91.30	Peak	126	29	P
4	7135.00	8.91	52.30	61.21	88.20	-26.99	Peak	126	29	P
5	13430.00	16.50	33.81	52.31	88.20	-35.89	Peak	100	71	P

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

Non BeamForming(1GHz ~ 18GHz)

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 7, CH153		:	

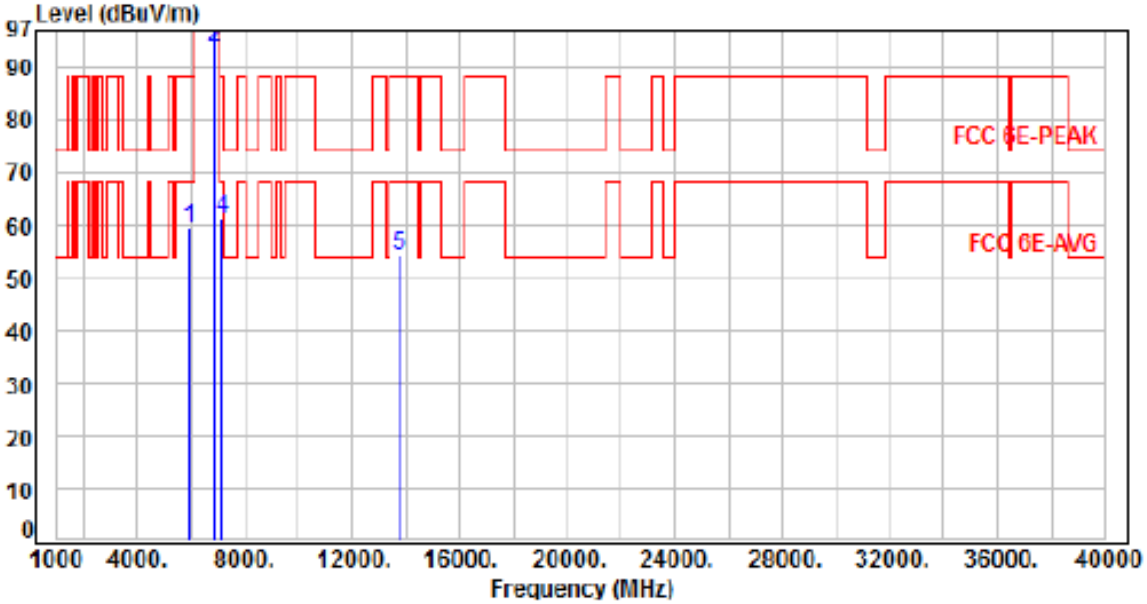


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	51.38	58.23	88.20	-29.97	Peak	265	303	P
2	6715.00	8.18	84.83	93.01	200.00	-106.99	Average	265	303	P
3	6715.00	8.18	98.79	106.97	200.00	-93.03	Peak	265	303	P
4	7135.00	8.91	51.58	60.49	88.20	-27.71	Peak	265	303	P
5	13430.00	18.50	33.01	51.51	88.20	-36.69	Peak	100	291	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 7, CH181		:	

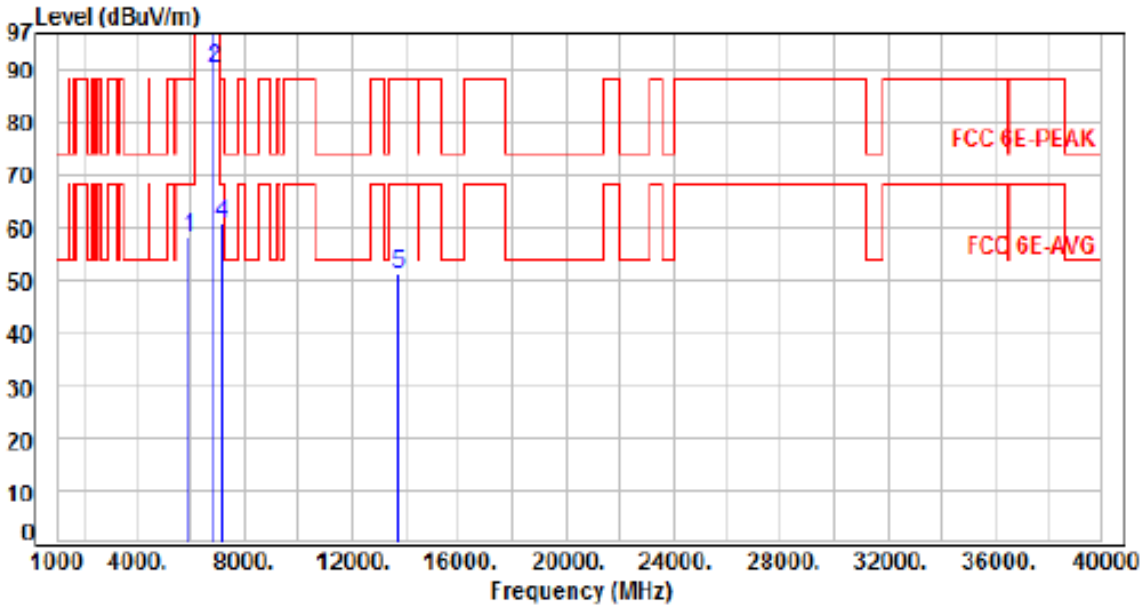


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.38	59.23	88.20	-28.97	Peak	100	25	P
2	6855.00	8.35	85.44	93.79	200.00	-106.21	Average	100	25	P
3	6855.00	8.35	99.34	107.69	200.00	-92.31	Peak	100	25	P
4	7135.00	8.91	52.48	61.39	88.20	-26.81	Peak	100	25	P
5	13710.00	19.28	34.80	54.08	88.20	-34.12	Peak	100	19	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 7, CH181		:	

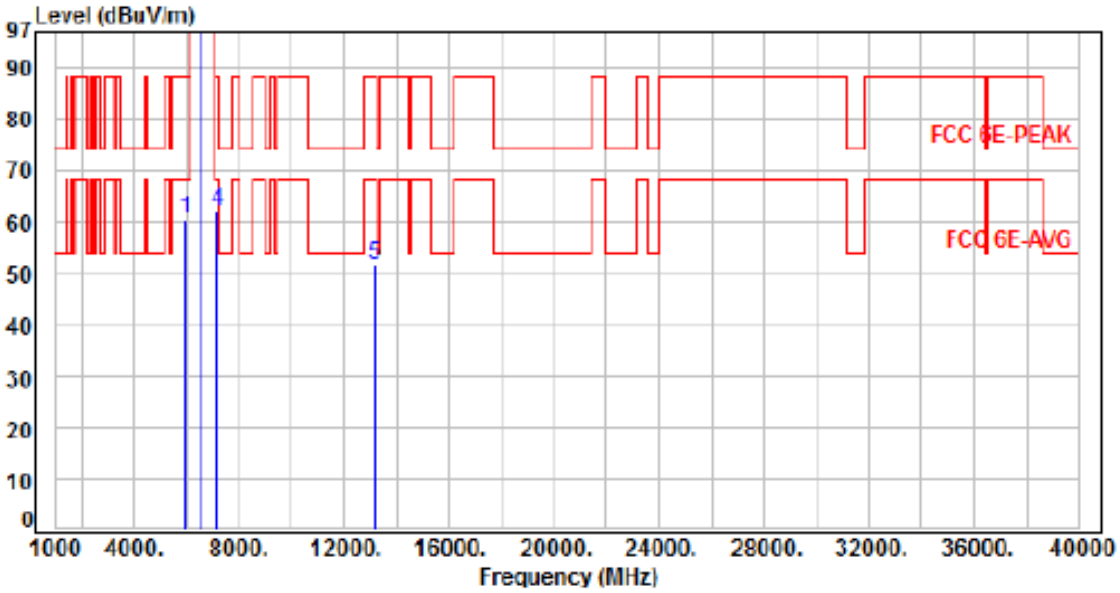


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	51.58	58.43	88.20	-29.77	Peak	233	69	P
2	6855.00	8.35	81.89	90.24	200.00	-109.76	Average	233	69	P
3	6855.00	8.35	95.43	103.78	200.00	-96.22	Peak	233	69	P
4	7135.00	8.91	52.09	61.00	88.20	-27.20	Peak	233	69	P
5	13710.00	19.28	31.99	51.27	88.20	-36.93	Peak	100	124	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 7, CH123		:	

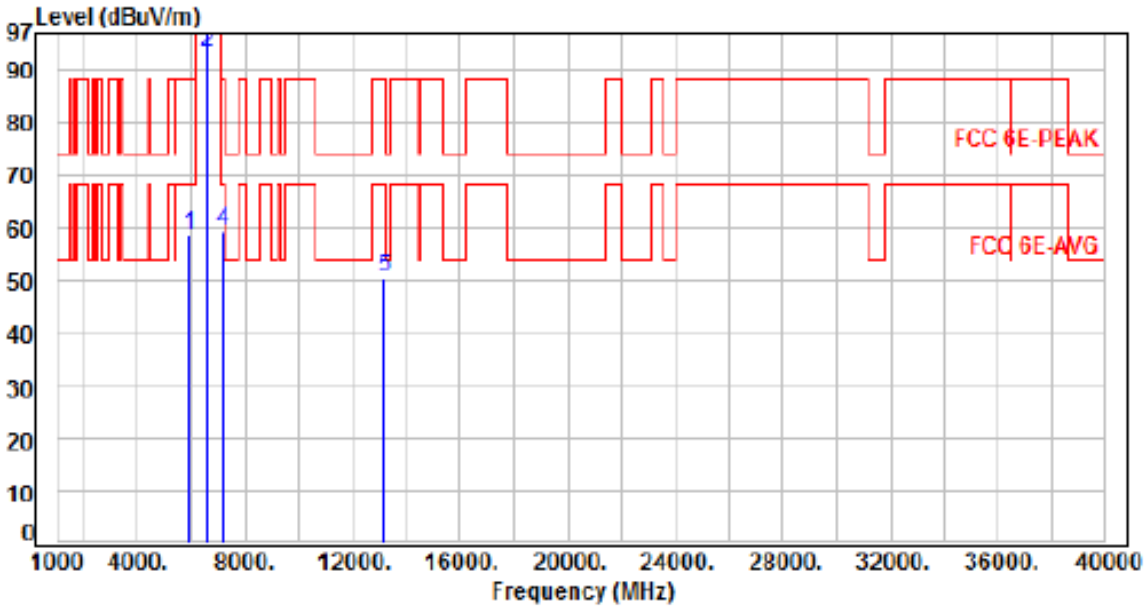


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.58	60.43	88.20	-27.77	Peak	110	23	P
2	6565.00	7.61	88.60	96.21	200.00	-103.79	Average	110	23	P
3	6565.00	7.61	101.93	109.54	200.00	-90.46	Peak	110	23	P
4	7135.00	8.91	53.17	62.08	88.20	-26.12	Peak	110	23	P
5	13130.00	17.26	34.19	51.45	88.20	-36.75	Peak	100	81	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 7, CH123		:	

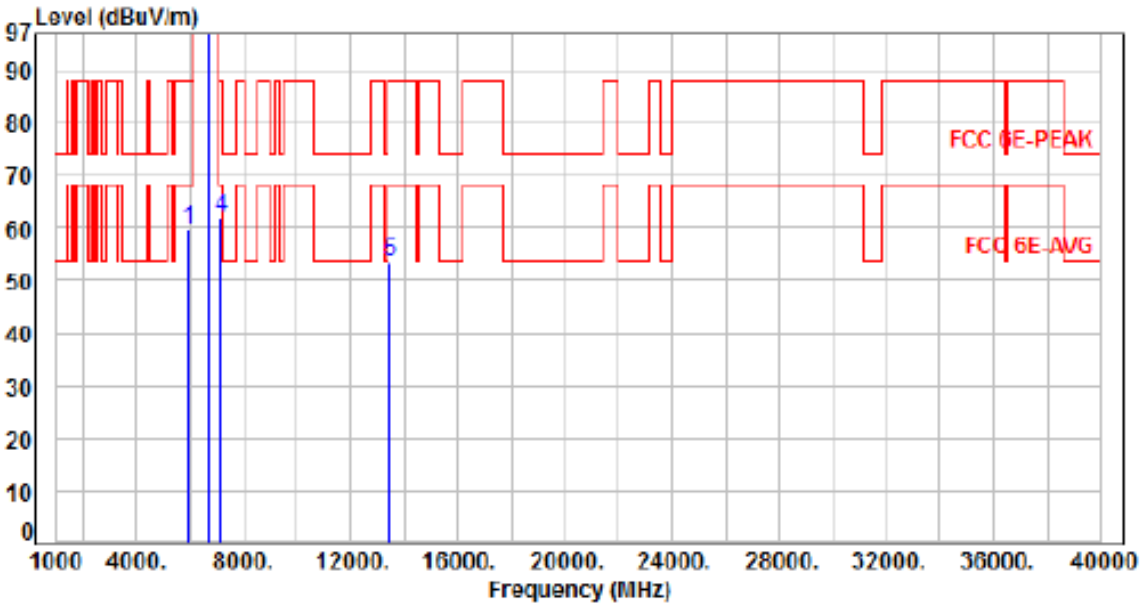


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.65	51.66	58.51	88.20	-29.69	Peak	276	299	P
2	6565.00	7.61	85.74	93.35	200.00	-106.65	Average	276	299	P
3	6565.00	7.61	99.29	106.90	200.00	-93.10	Peak	276	299	P
4	7135.00	8.91	50.38	59.29	88.20	-28.91	Peak	276	299	P
5	13130.00	17.26	33.09	50.35	88.20	-37.85	Peak	100	305	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 7, CH155		:	

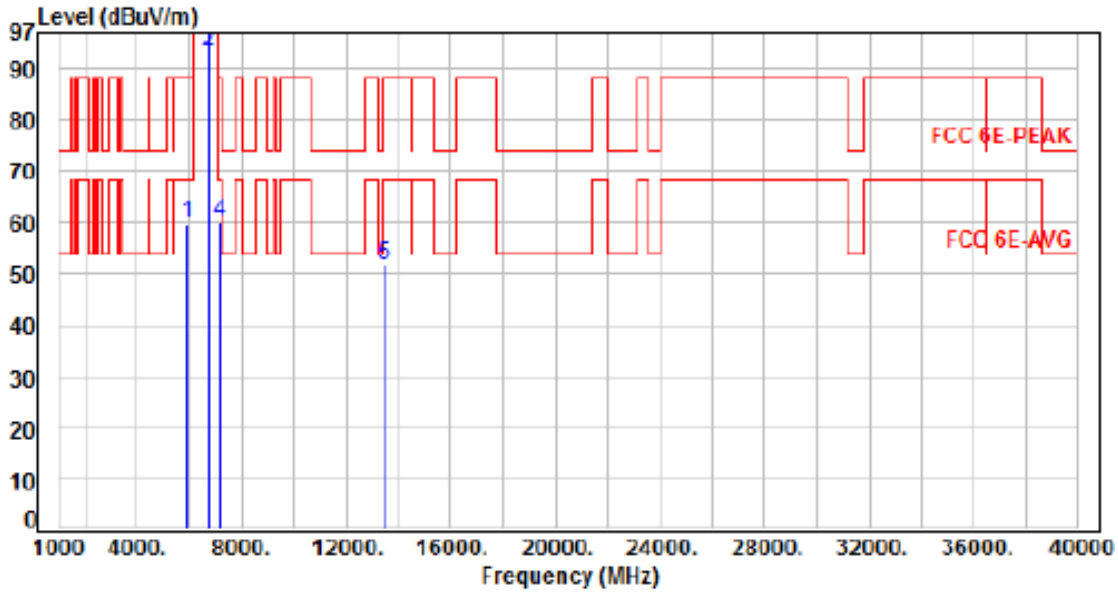


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.88	59.73	88.20	-28.47	Peak	100	20	P
2	6725.00	8.18	87.52	95.70	200.00	-104.30	Average	100	20	P
3	6725.00	8.18	101.83	110.01	200.00	-89.99	Peak	100	20	P
4	7135.00	8.91	52.92	61.83	88.20	-26.37	Peak	100	20	P
5	13450.00	18.56	34.92	53.48	88.20	-34.72	Peak	100	59	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 7, CH155		:	

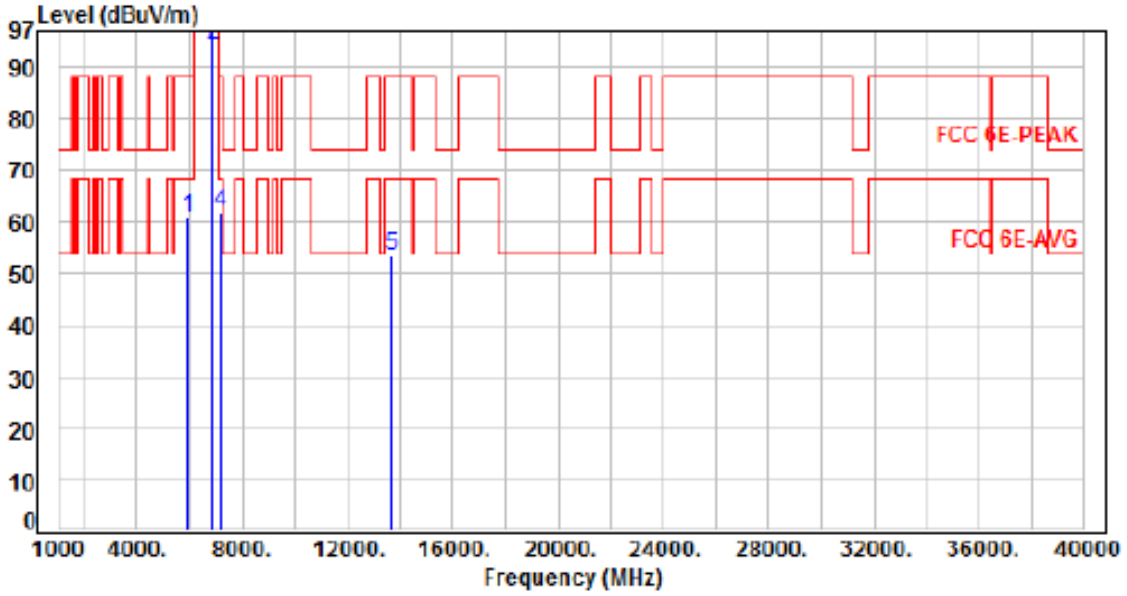


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.98	59.83	88.20	-28.37	Peak	256	299	P
2	6725.00	8.18	85.12	93.30	200.00	-106.70	Average	256	299	P
3	6725.00	8.18	97.75	105.93	200.00	-94.07	Peak	256	299	P
4	7135.00	8.91	51.21	60.12	88.20	-28.08	Peak	256	299	P
5	13450.00	18.56	32.91	51.47	88.20	-36.73	Peak	100	267	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 7, CH179		:	

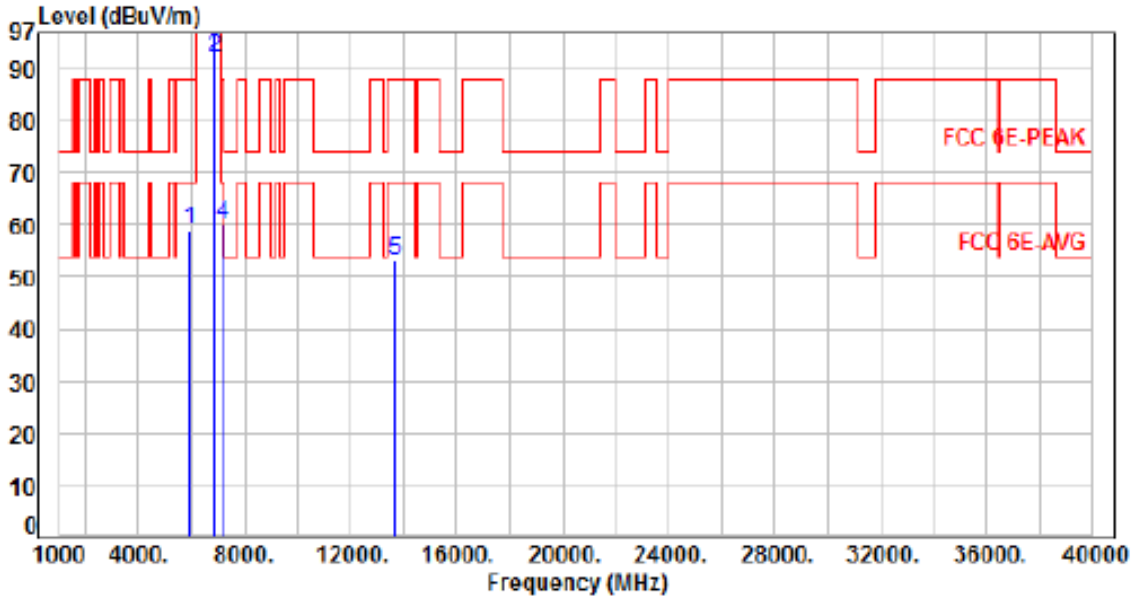


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.12	60.97	88.20	-27.23	Peak	102	21	P
2	6845.00	8.33	86.19	94.52	200.00	-105.48	Average	102	21	P
3	6845.00	8.33	98.54	106.87	200.00	-93.13	Peak	102	21	P
4	7135.00	8.91	53.01	61.92	88.20	-26.28	Peak	102	21	P
5	13690.00	19.23	34.31	53.54	88.20	-34.66	Peak	100	58	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 7, CH179		:	

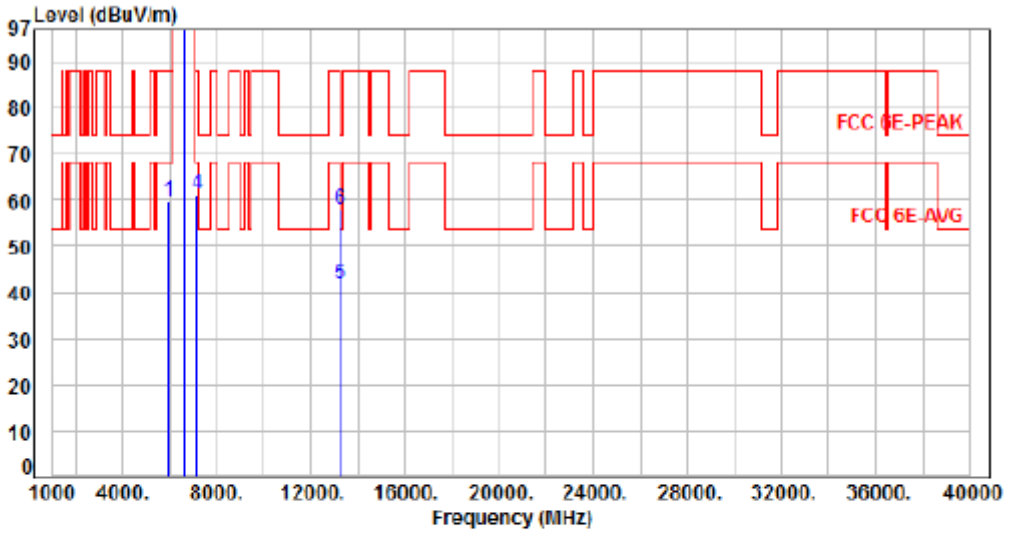


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.31	59.16	88.20	-29.04	Peak	244	69	P
2	6845.00	8.33	84.04	92.37	200.00	-107.63	Average	244	69	P
3	6845.00	8.33	95.94	104.27	200.00	-95.73	Peak	244	69	P
4	7135.00	8.91	51.39	60.30	88.20	-27.90	Peak	244	69	P
5	13690.00	19.23	33.80	53.03	88.20	-35.17	Peak	100	99	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 7, CH135		:	

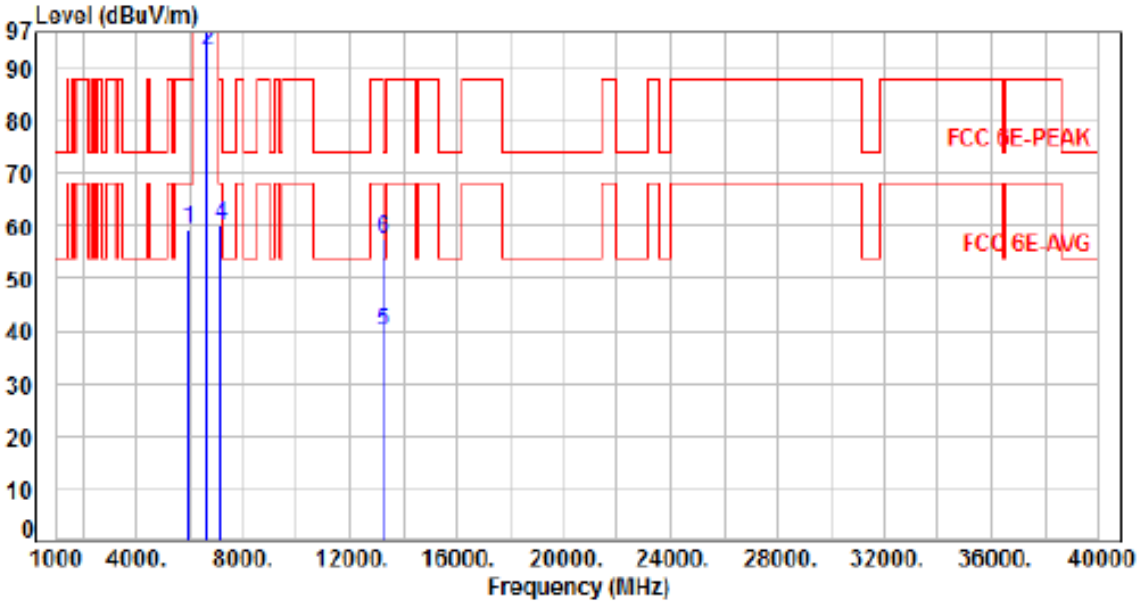


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.98	59.83	88.20	-28.37	Peak	100	21	P
2	6625.00	7.94	88.51	96.45	200.00	-103.55	Average	100	21	P
3	6625.00	7.94	101.97	109.91	200.00	-90.09	Peak	100	21	P
4	7135.00	8.91	52.17	61.08	88.20	-27.12	Peak	100	21	P
5	13250.00	17.75	24.06	41.83	54.00	-12.17	Average	100	87	P
6	13250.00	17.75	40.03	57.78	74.00	-16.22	Peak	100	87	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 7, CH135		:	

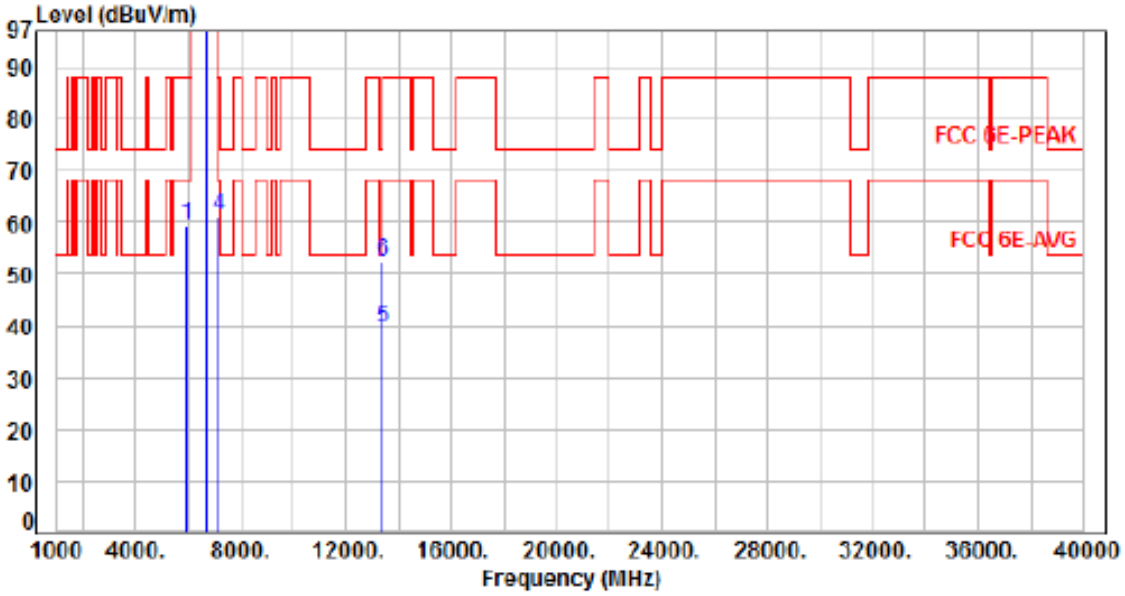


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.38	59.23	88.20	-28.97	Peak	258	294	P
2	6625.00	7.94	85.47	93.41	200.00	-106.59	Average	258	294	P
3	6625.00	7.94	99.55	107.49	200.00	-92.51	Peak	258	294	P
4	7135.00	8.91	51.03	59.94	88.20	-28.26	Peak	258	294	P
5	13250.00	17.75	22.19	39.94	54.00	-14.06	Average	100	333	P
6	13250.00	17.75	39.86	57.61	74.00	-16.39	Peak	100	333	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 7, CH151		:	

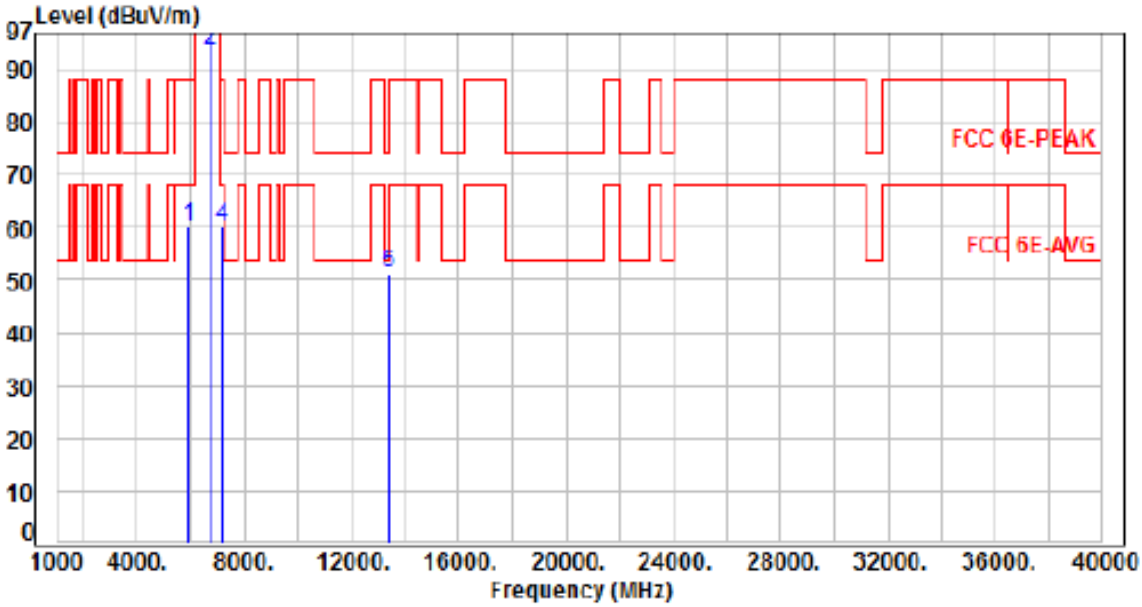


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.67	59.52	88.20	-28.68	Peak	121	20	P
2	6705.00	8.18	87.49	95.67	200.00	-104.33	Average	121	20	P
3	6705.00	8.18	100.58	108.76	200.00	-91.24	Peak	121	20	P
4	7135.00	8.91	52.26	61.17	88.20	-27.03	Peak	121	20	P
5	13410.00	18.44	21.10	39.54	68.20	-28.66	Average	100	69	P
6	13410.00	18.44	34.03	52.47	88.20	-35.73	Peak	100	69	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 7, CH151		:	

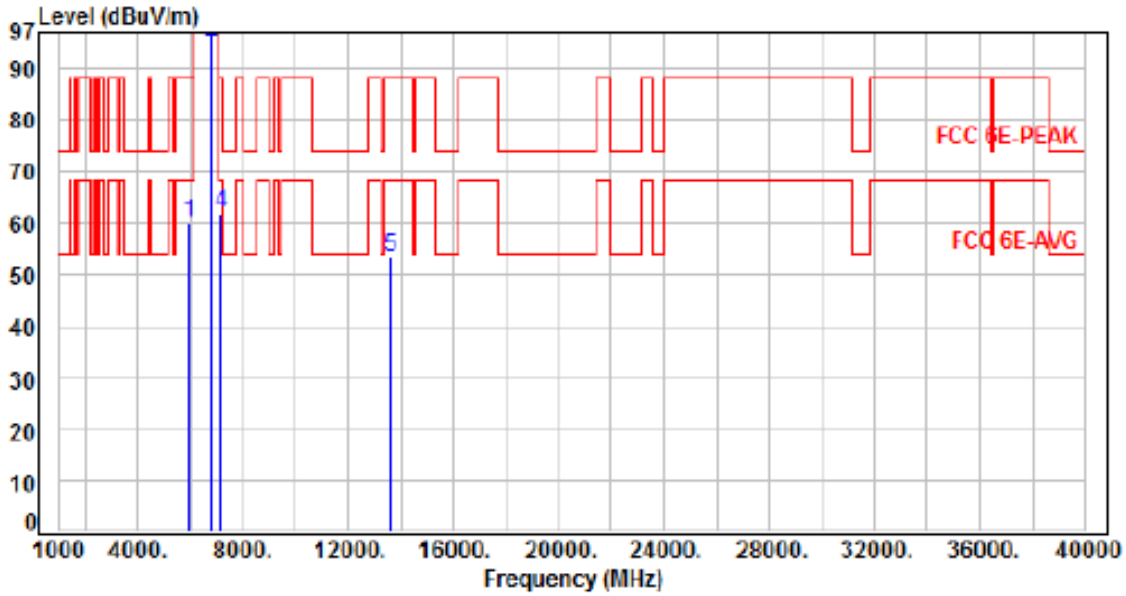


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.23	60.08	88.20	-28.12	Peak	262	296	P
2	6705.00	8.18	85.36	93.54	200.00	-106.46	Average	262	296	P
3	6705.00	8.18	97.62	105.80	200.00	-94.20	Peak	262	296	P
4	7135.00	8.91	51.30	60.21	88.20	-27.99	Peak	262	296	P
5	13410.00	18.44	32.89	51.33	88.20	-36.67	Peak	100	328	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 7, CH167		:	

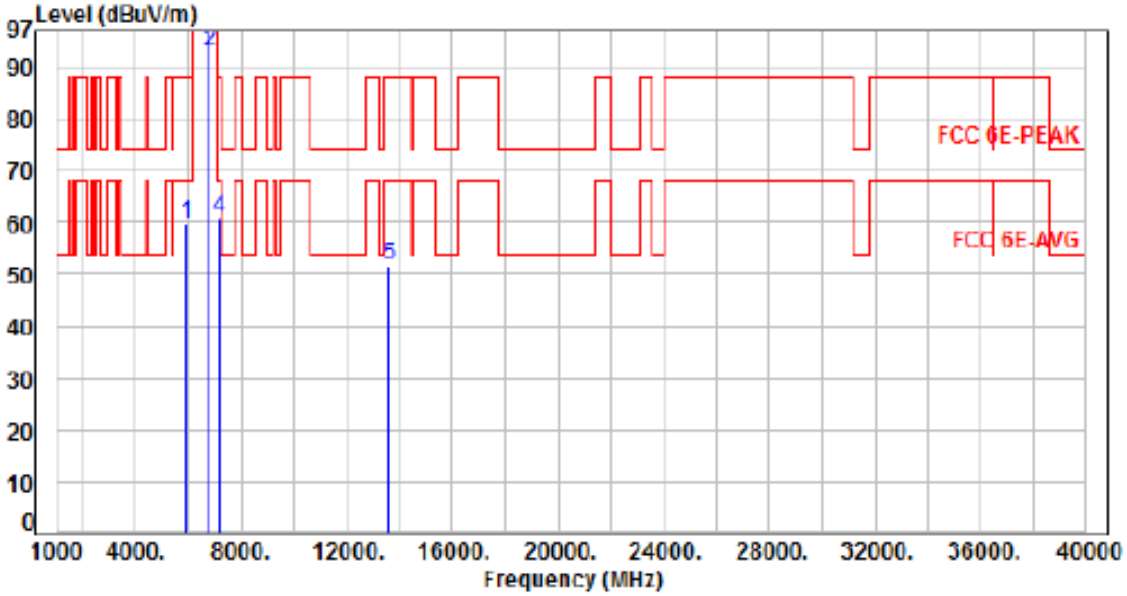


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.38	60.23	88.20	-27.97	Peak	100	20	P
2	6785.00	8.28	87.03	95.31	200.00	-104.69	Average	100	20	P
3	6785.00	8.28	100.23	108.51	200.00	-91.49	Peak	100	20	P
4	7135.00	8.91	52.91	61.82	88.20	-26.38	Peak	100	20	P
5	13570.00	18.80	34.70	53.50	88.20	-34.70	Peak	100	38	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 7, CH167		:	

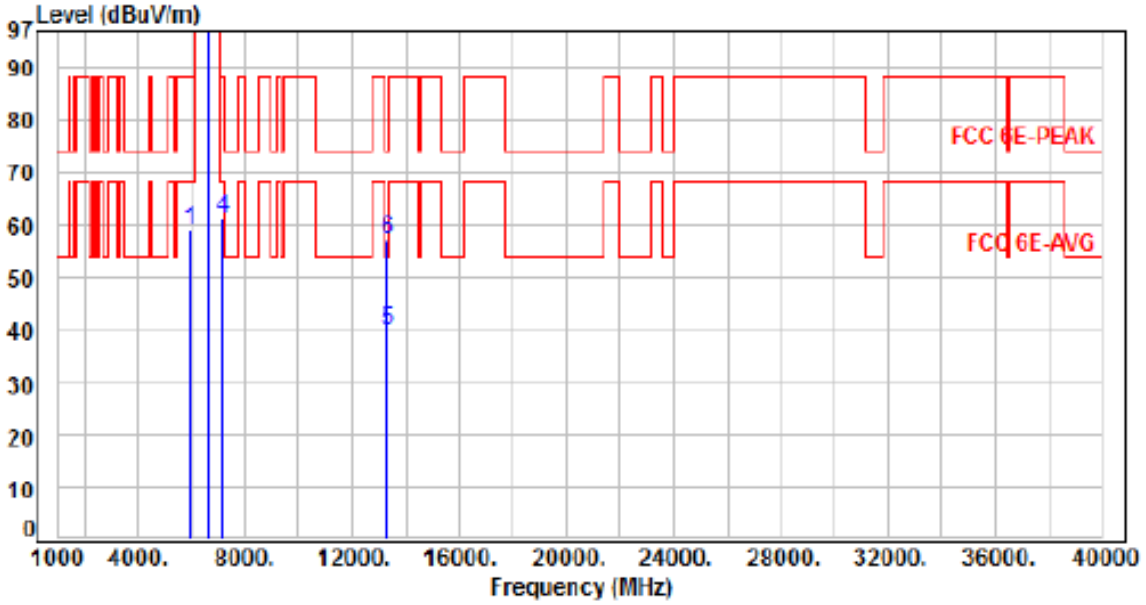


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.87	59.72	88.20	-28.48	Peak	217	67	P
2	6785.00	8.28	84.52	92.80	200.00	-107.20	Average	217	67	P
3	6785.00	8.28	97.57	105.85	200.00	-94.15	Peak	217	67	P
4	7135.00	8.91	52.01	60.92	88.20	-27.28	Peak	217	67	P
5	13570.00	18.80	32.99	51.79	88.20	-36.41	Peak	100	162	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 7, CH143		:	

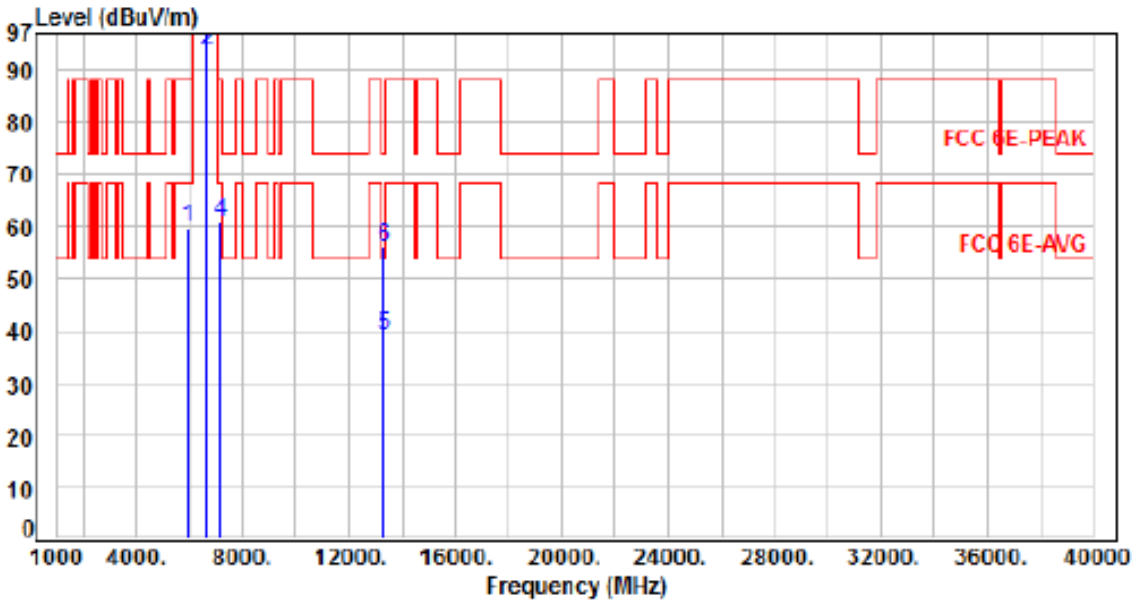


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	52.23	59.08	88.20	-29.12	Peak	100	22	P
2	6665.00	8.09	87.81	95.90	200.00	-104.10	Average	100	22	P
3	6665.00	8.09	100.37	108.46	200.00	-91.54	Peak	100	22	P
4	7135.00	8.91	52.18	61.09	88.20	-27.11	Peak	100	22	P
5	13330.00	18.06	21.85	39.91	54.00	-14.09	Average	100	88	P
6	13330.00	18.06	39.12	57.18	74.00	-16.82	Peak	100	88	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 7, CH143		:	

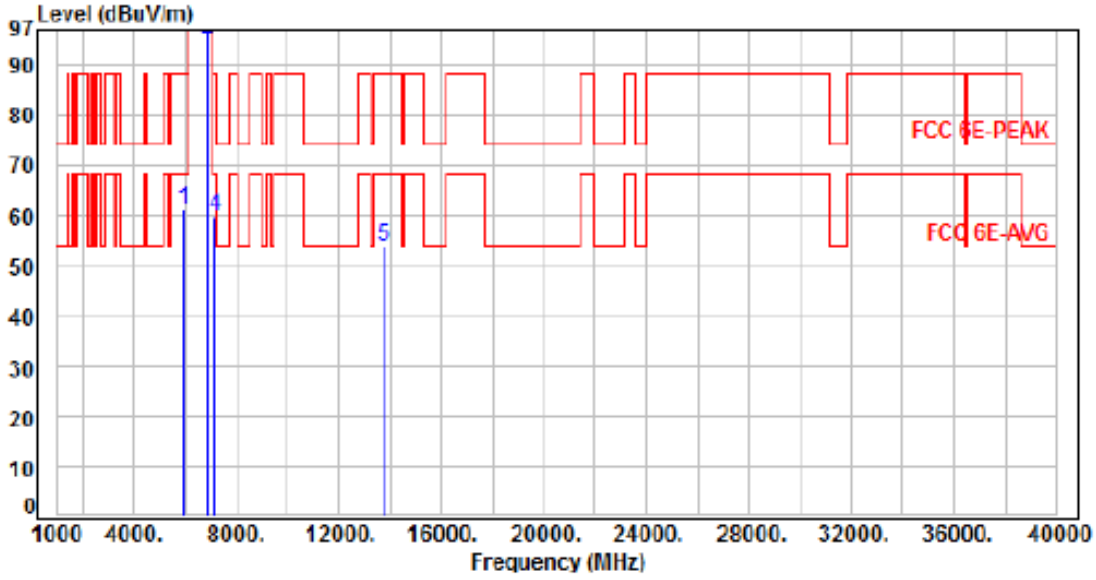


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.01	59.86	88.20	-28.34	Peak	266	299	P
2	6665.00	8.09	85.73	93.82	200.00	-106.18	Average	266	299	P
3	6665.00	8.09	97.87	105.96	200.00	-94.04	Peak	266	299	P
4	7135.00	8.91	51.91	60.82	88.20	-27.38	Peak	266	299	P
5	13330.00	18.06	20.92	38.98	54.00	-15.02	Average	100	338	P
6	13330.00	18.06	38.12	56.18	74.00	-17.82	Peak	100	338	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 7 Straddle Channel, CH185		:	

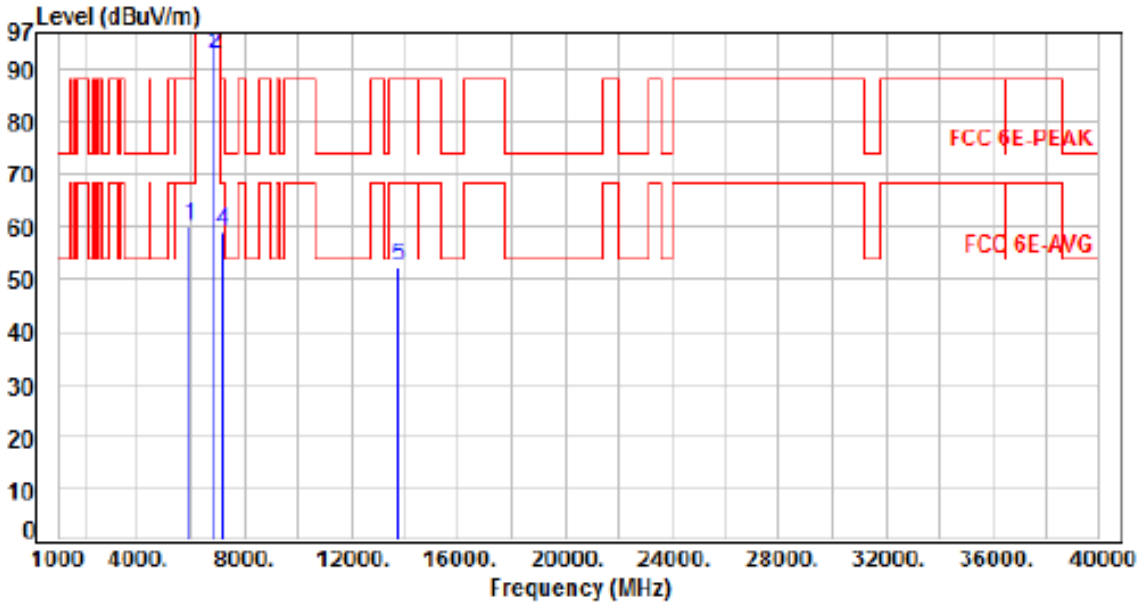


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.56	61.41	88.20	-26.79	Peak	104	335	P
2	6875.00	8.40	86.68	95.08	200.00	-104.92	Average	104	335	P
3	6875.00	8.40	100.30	108.70	200.00	-91.30	Peak	104	335	P
4	7135.00	8.91	50.90	59.81	88.20	-28.39	Peak	104	335	P
5	13750.00	19.29	34.70	53.99	88.20	-34.21	Peak	100	107	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 7 Straddle Channel, CH185		:	

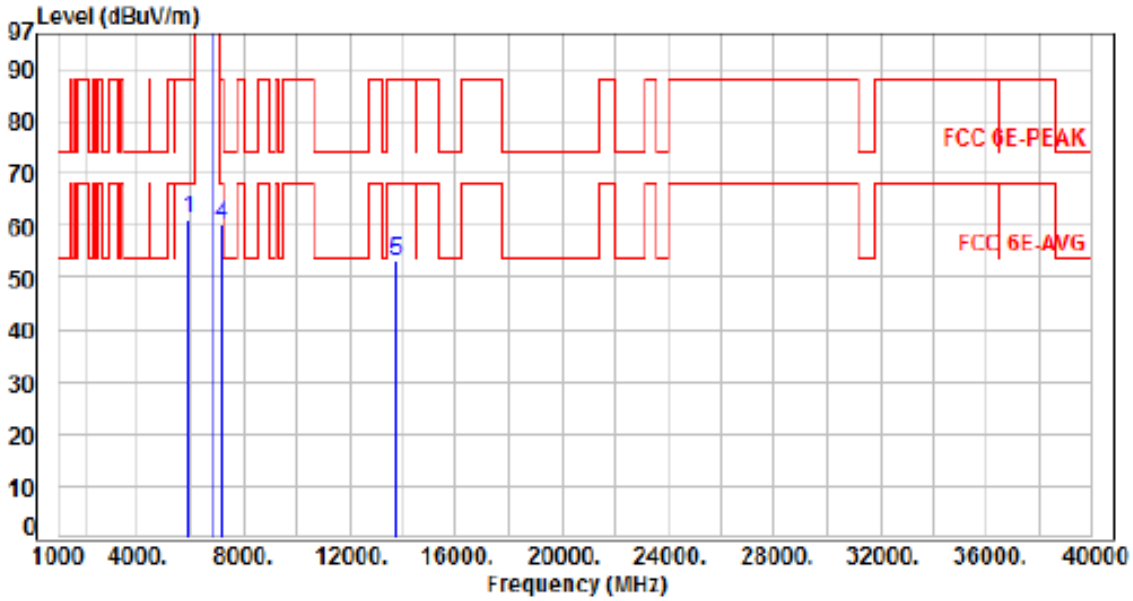


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.10	59.95	88.20	-28.25	Peak	259	287	P
2	6875.00	8.40	84.37	92.77	200.00	-107.23	Average	259	287	P
3	6875.00	8.40	97.83	106.23	200.00	-93.77	Peak	259	287	P
4	7135.00	8.91	50.21	59.12	88.20	-29.08	Peak	259	287	P
5	13750.00	19.29	32.91	52.20	88.20	-36.00	Peak	100	308	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 7 Straddle Channel, CH187		:	

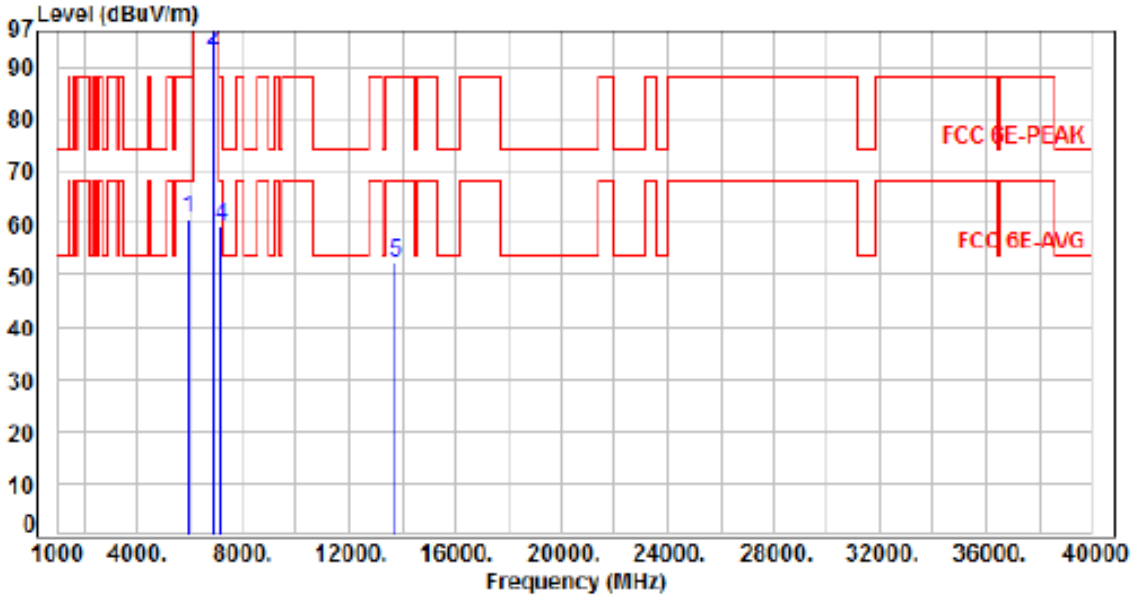


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.32	61.17	88.20	-27.03	Peak	100	336	P
2	6885.00	8.42	87.00	95.42	200.00	-104.58	Average	100	336	P
3	6885.00	8.42	99.97	108.39	200.00	-91.61	Peak	100	336	P
4	7135.00	8.91	51.21	60.12	88.20	-28.08	Peak	100	336	P
5	13770.00	19.30	33.80	53.10	88.20	-35.10	Peak	100	119	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 7 Straddle Channel, CH187		:	

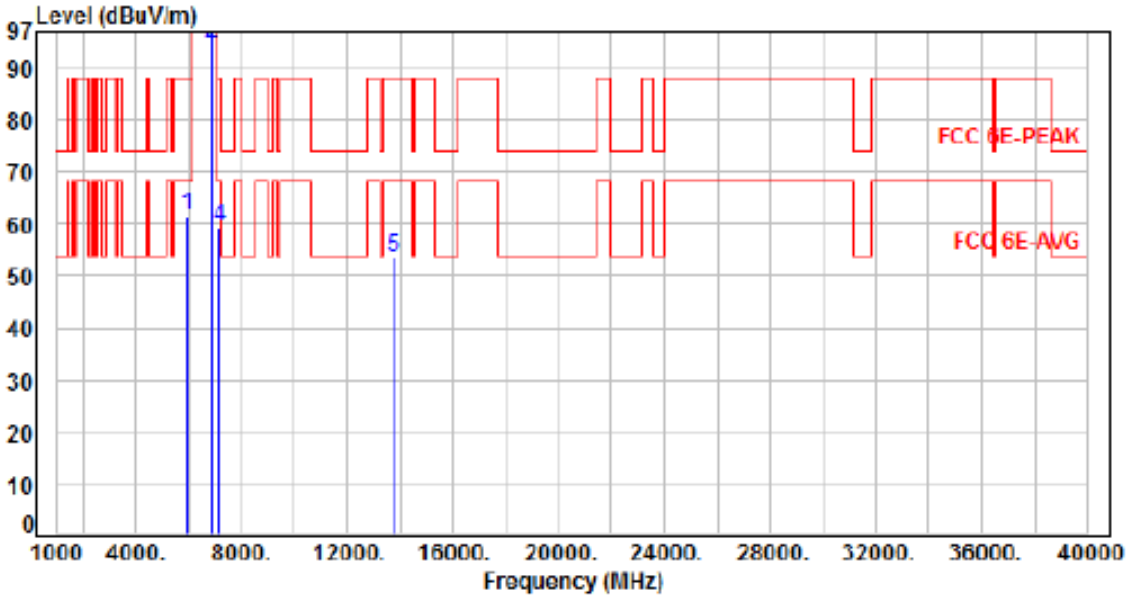


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	53.86	60.71	88.20	-27.49	Peak	278	289	P
2	6885.00	8.42	84.91	93.33	200.00	-106.67	Average	278	289	P
3	6885.00	8.42	97.42	105.84	200.00	-94.16	Peak	278	289	P
4	7135.00	8.91	50.31	59.22	88.20	-28.98	Peak	278	289	P
5	13770.00	19.30	32.91	52.21	88.20	-35.99	Peak	100	337	P

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 7 Straddle Channel, CH183		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5925.00	6.85	54.66	61.51	88.20	-26.69	Peak	110	336	P
2	6865.00	8.38	86.54	94.92	200.00	-105.08	Average	110	336	P
3	6865.00	8.38	99.05	107.43	200.00	-92.57	Peak	110	336	P
4	7135.00	8.91	50.49	59.40	88.20	-28.80	Peak	110	336	P
5	13730.00	19.29	34.06	53.35	88.20	-34.85	Peak	100	162	P

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