



FCC RADIO TEST REPORT

Applicant : Shuttle Inc.

Address : No. 30, Lane 76, Rui Guang Rd. Nei-Hu Dist.,
Taipei, Taiwan

Equipment : XPC nano

Model No. : NS03

Trade Name : Shuttle

FCC ID : S8CNS03

I HEREBY CERTIFY THAT :

The sample was received on May. 26, 2022 and the testing was completed on Jun.21 , 2022 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Vic Hsiao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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History of this test report

Report No.	Issued Date	Description
22050246-TRFCC04	Jul. 04, 2022	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 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	PASS
15.407(g)	Frequency Stability	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 and Model Description

Operation Frequency Range	BT / BLE: 2400-2483.5MHz 802.11b/g/n: 2400-2483.5MHz 802.11a/n/ac: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	BT / BLE: 2402MHz-2480MHz 802.11b/g/n: 2412MHz-2462MHz 802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	DSSS, OFDM, FHSS, DTS
Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps GFSK: 2 Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20 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	PIFA Antenna
Antenna Gain	For BT: 2400-2500MHz: 1.11dBi For WLAN: 2400-2500MHz: 1.11dBi 5150-5250MHz: 3.20dBi 5250-5350MHz: 3.20dBi 5470-5725MHz: 2.47dBi 5725-5850MHz: 2.69dBi
Adapter	Brand: APD Model: WA-36N12R
Battery	Brand: VIC-DAWN ENTERPRISE CO LTD Model: CR2032
Firmware Number	NS03_Series_STD_1.0.7_20220503
Serial Number	NS03000201M14F00008

Note:

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



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: Straddle Channel

802.11a, 802.11n HT20, 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

- During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- An executive program, " Ampak RFTTestTool ver.7.0" under Android system was executed to transmit and receive data via WLAN.
- The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps) , From Adapter (120V/60Hz)
2	802.11n HT20 (6.5Mbps) , From Adapter (120V/60Hz)
3	802.11n HT40 (13.5Mbps) , From Adapter (120V/60Hz)
4	802.11ac VHT20 (6.5Mbps) , From Adapter (120V/60Hz)
5	802.11ac VHT40 (13.5Mbps) , From Adapter (120V/60Hz)
6	802.11ac VHT80 (29.3Mbps) , From Adapter (120V/60Hz)
7	802.11a (6Mbps) , From Adapter (240V/60Hz)
8	802.11n HT20 (6.5Mbps) , From Adapter (240V/60Hz)
9	802.11n HT40 (13.5Mbps) , From Adapter (240V/60Hz)
10	802.11ac VHT20 (6.5Mbps) , From Adapter (240V/60Hz)
11	802.11ac VHT40 (13.5Mbps) , From Adapter (240V/60Hz)
12	802.11ac VHT80 (29.3Mbps) , From Adapter (240V/60Hz)
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (9KHz ~30MHz & 30MHz ~ 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , From Adapter (120V/60Hz)
2	802.11n HT20 (6.5Mbps) , From Adapter (120V/60Hz)
3	802.11n HT40 (13.5Mbps) , From Adapter (120V/60Hz)
4	802.11ac VHT20 (6.5Mbps) , From Adapter (120V/60Hz)
5	802.11ac VHT40 (13.5Mbps) , From Adapter (120V/60Hz)
6	802.11ac VHT80 (29.3Mbps) , From Adapter (120V/60Hz)
7	802.11a (6Mbps) , From Adapter (240V/60Hz)
8	802.11n HT20 (6.5Mbps) , From Adapter (240V/60Hz)
9	802.11n HT40 (13.5Mbps) , From Adapter (240V/60Hz)
10	802.11ac VHT20 (6.5Mbps) , From Adapter (240V/60Hz)
11	802.11ac VHT40 (13.5Mbps) , From Adapter (240V/60Hz)
12	802.11ac VHT80 (29.3Mbps) , From Adapter (240V/60Hz)
caused "Test Mode 1" generated the worst case, it was reported as the final data.	



Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , From Adapter (120V/60Hz)
2	802.11n HT20 (6.5Mbps) , From Adapter (120V/60Hz)
3	802.11n HT40 (13.5Mbps) , From Adapter (120V/60Hz)
4	802.11ac VHT20 (6.5Mbps) , From Adapter (120V/60Hz)
5	802.11ac VHT40 (13.5Mbps) , From Adapter (120V/60Hz)
6	802.11ac VHT80 (29.3Mbps) , From Adapter (120V/60Hz)
7	802.11a (6Mbps) , From Adapter (240V/60Hz)
8	802.11n HT20 (6.5Mbps) , From Adapter (240V/60Hz)
9	802.11n HT40 (13.5Mbps) , From Adapter (240V/60Hz)
10	802.11ac VHT20 (6.5Mbps) , From Adapter (240V/60Hz)
11	802.11ac VHT40 (13.5Mbps) , From Adapter (240V/60Hz)
12	802.11ac VHT80 (29.3Mbps) , From Adapter (240V/60Hz)
caused "Test Mode 1,4~6" generated the worst case, they were reported as the final data.	

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



2.4. Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	N/A
USB Cable (A to A)	BENEVO	E210567AWM	1m / NS	N/A
HDMI Cable	YD-TECH	H1	1.8m / S	N/A
Monitor	ViewSonic	VS16024	NA	N/A
Radiated Emissions(ABOVE1G)				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
USB Cable (A to A)	BENEVO	E210567AWM	1m / NS	N/A
HDMI Cable*2	YD-TECH	H2	1.8m / S	N/A
Monitor	ViewSonic	VS16024	NA	N/A
Transcend Dongle*2	TranScend	USB3.0 16GB	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Mouse	DELL	MS116t1	2m / NS	N/A
Earphone	Apple	Earpods	1.2m / NS	N/A
Radiated Emissions(BELOW1G)				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
USB Cable (A to A)	BENEVO	E210567AWM	N/A	N/A
HDMI Cable*2	YD-TECH	H2	1.8m / S	N/A
Monitor	ViewSonic	VS16024	NA	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Transcend Dongle*2	TranScend	USB3.0 16GB	1.8m / NS	N/A
Mouse	DELL	MS116t	1.8m / NS	N/A
Mobile Phone	MI	M1906G7G	N/A	N/A
Earphone	Apple	Earpods	1.2m / NS	N/A



AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
USB Cable (A to A)	BENEVO	E210567AWM	1m / NS	N/A
HDMI Cable*2	YD-TECH	H2	1.8m / S	N/A
Monitor	DELL	U2410f	NA	N/A
Transcend Dongle*2	TranScend	USB3.0 16GB	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Mouse	DELL	MS116t1	2m / NS	N/A
Earphone	Apple	Earpods	1.2m / NS	N/A
Mobile Phone	MI	M1906G7G	N/A	N/A



2.5. General Information of Test

Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
	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.	

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2022/6/6~2022/6/8	25~28℃ / 40~41%	Dian Chen
Radiated Emissions	3M02-NK	2022/6/4~2022/6/8	20~25℃ / 44~55%	Dian Chen
AC Power Line Conducted Emission	CON01-NK	2022/06/21	25℃ / 42%	Dian 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)	$\pm 3.12\text{dB}$
Radiated Spurious Emission(9KHz~30MHz)	$\pm 3.4\text{dB}$
Radiated Spurious Emission(30MHz~1GHz)	$\pm 5.7\text{dB}$
Radiated Spurious Emission(1GHz~40GHz)	$\pm 6.8\text{dB}$
6dB Bandwidth	$\pm 4.4\%$
26dB Bandwidth	$\pm 4.4\%$
Occupied Bandwidth	$\pm 4.4\%$
Peak Output Power(Conducted Power Meter)	$\pm 1.1\text{dB}$
Power Spectral Density	$\pm 1.8\text{dB}$
Duty Cycle	$\pm 1.2\%$
Frequency Stability	$\pm 0.21\text{KHz}$



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	275	2021/11/05	2022/11/04
Horn Antenna	EMCO	3115	31601	2021/10/14	2022/10/13
Horn Antenna	EMCO	3116	31974	2021/10/04	2022/10/03
Active Loop Antenna	Schwarzbeck	FMZB 1513	414	2022/01/07	2023/01/06
EMI Receiver	ROHDE & SCHWARZ	ESCI	100821	2021/11/16	2022/11/15
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2021/08/06	2022/08/05
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2021/11/16	2022/11/15
Preamplifier	EM Electronics corp.	EM330	60658	2021/10/13	2022/10/12
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2021/09/22	2022/09/21
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1316	2022/01/11	2023/01/10
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY4569/2	2021/09/03	2022/09/02
Cable-1m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5739/2	2021/09/03	2022/09/02
Cable-6m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5740/2	2021/09/03	2022/09/02
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2022/01/11	2023/01/10
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2022/01/11	2023/01/10
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
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
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100047	2022/03/04	2023/03/03
Attenuator	KEYSIGHT	8491B	MY39250703	2022/04/12	2023/04/11
Cable-0.5m(1G-26.5G)	HUBER SUHNER	SUCOFLEX 102	28422/2	2022/04/09	2023/04/08
Power Meter	Anritsu	ML2495A	1224005	2022/04/12	2023/04/11
Power Sensor	Anritsu	MA2411B	1207295	2022/04/12	2023/04/11
Switch Box	Theda	1-4	TW5451159	NA	NA
MXG-B RF Vector Signal Generator	KEYSIGHT	N5182B	MY53051383	2021/06/30	2022/06/29
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100047	2022/03/04	2023/03/03



Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	101200	2021/8/30	2022/8/29
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2021/10/5	2022/10/4
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101933	2021/9/15	2022/9/14
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2021/9/22	2022/9/21
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA



4. Antenna Requirements

4.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.407 (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	PIFA Antenna
Antenna Gain	5180-5240MHz: ANT A: 3.20dBi 5260-5320MHz: ANT A: 3.20dBi 5500-5700MHz: ANT A: 2.47dBi 5745-5825MHz: ANT A: 2.69dBi



5. Test of AC Power Line Conducted Emission

5.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.10-2013. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

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

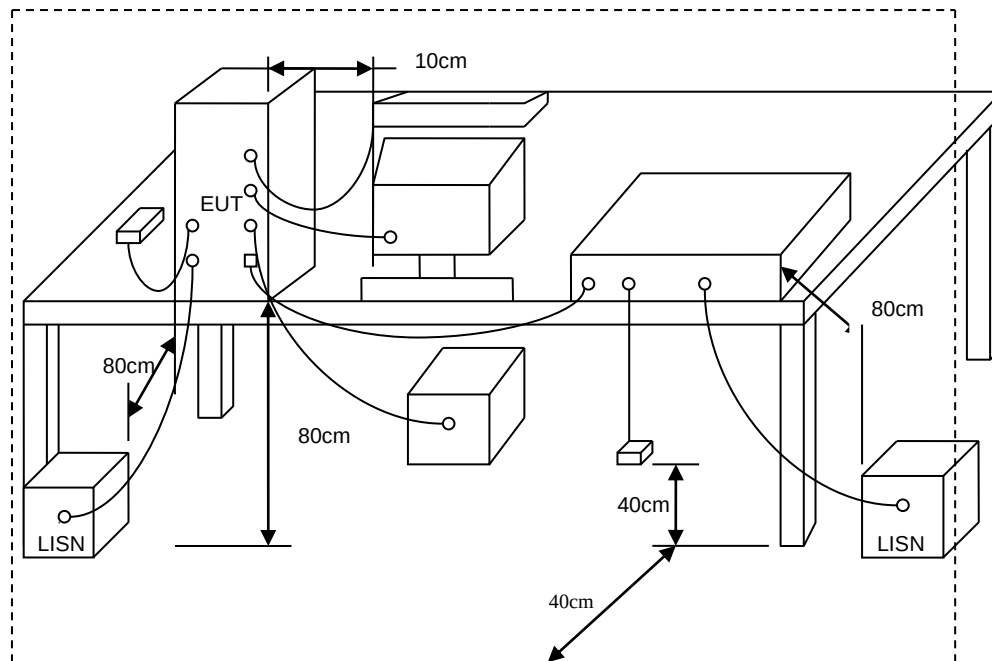
*Decreases with the logarithm of the frequency.

5.2. Test Procedures

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



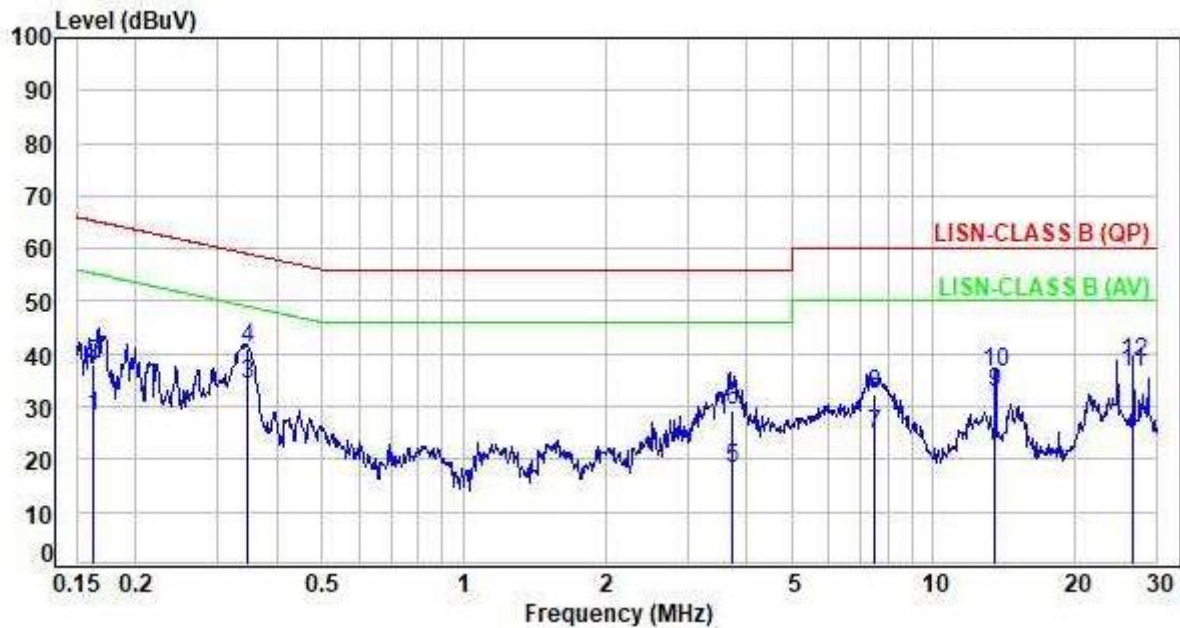
5.3. Typical Test Setup





5.4. Test Result and Data

Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 1		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.16	9.96	18.34	28.30	55.36	-27.06	Average	P
2	0.16	9.96	28.21	38.17	65.36	-27.19	QP	P
3	0.35	9.95	24.35	34.30	49.07	-14.77	Average	P
4	0.35	9.95	31.14	41.09	59.07	-17.98	QP	P
5	3.75	10.20	8.21	18.41	46.00	-27.59	Average	P
6	3.75	10.20	19.02	29.22	56.00	-26.78	QP	P
7	7.47	10.37	14.17	24.54	50.00	-25.46	Average	P
8	7.47	10.37	21.81	32.18	60.00	-27.82	QP	P
9	13.56	10.57	21.98	32.55	50.00	-17.45	Average	P
10	13.56	10.57	26.09	36.66	60.00	-23.34	QP	P
11	26.62	10.90	25.77	36.67	50.00	-13.33	Average	P
12	26.62	10.90	27.39	38.29	60.00	-21.71	QP	P

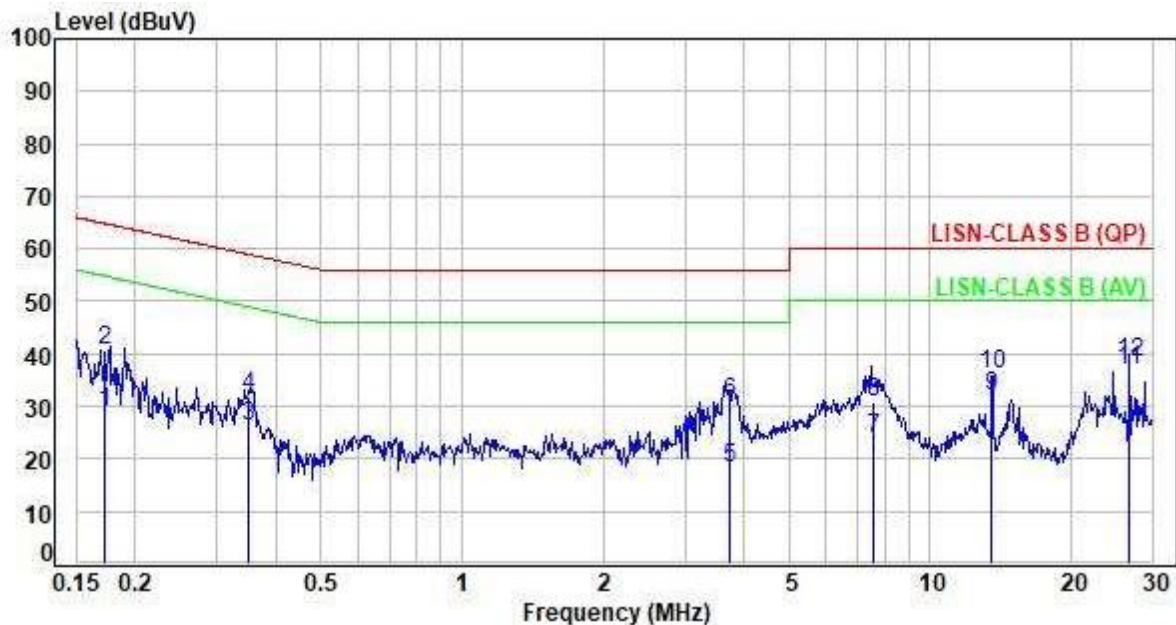
Note: Level=Reading+Factor

Margin=Level-Limit

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 1		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.17	9.94	18.81	28.75	54.83	-26.08	Average	P
2	0.17	9.94	30.60	40.54	64.83	-24.29	QP	P
3	0.35	9.94	16.12	26.06	48.95	-22.89	Average	P
4	0.35	9.94	21.93	31.87	58.95	-27.08	QP	P
5	3.74	10.12	8.04	18.16	46.00	-27.84	Average	P
6	3.74	10.12	20.52	30.64	56.00	-25.36	QP	P
7	7.59	10.27	13.75	24.02	50.00	-25.98	Average	P
8	7.59	10.27	20.42	30.69	60.00	-29.31	QP	P
9	13.56	10.46	21.37	31.83	50.00	-18.17	Average	P
10	13.56	10.46	25.70	36.16	60.00	-23.84	QP	P
11	26.62	10.81	26.10	36.91	50.00	-13.09	Average	P
12	26.62	10.81	27.73	38.54	60.00	-21.46	QP	P

Note: Level=Reading+Factor

Margin=Level-Limit

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



6. Test of Spurious Emission (Radiated)

6.1. Test Limit

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

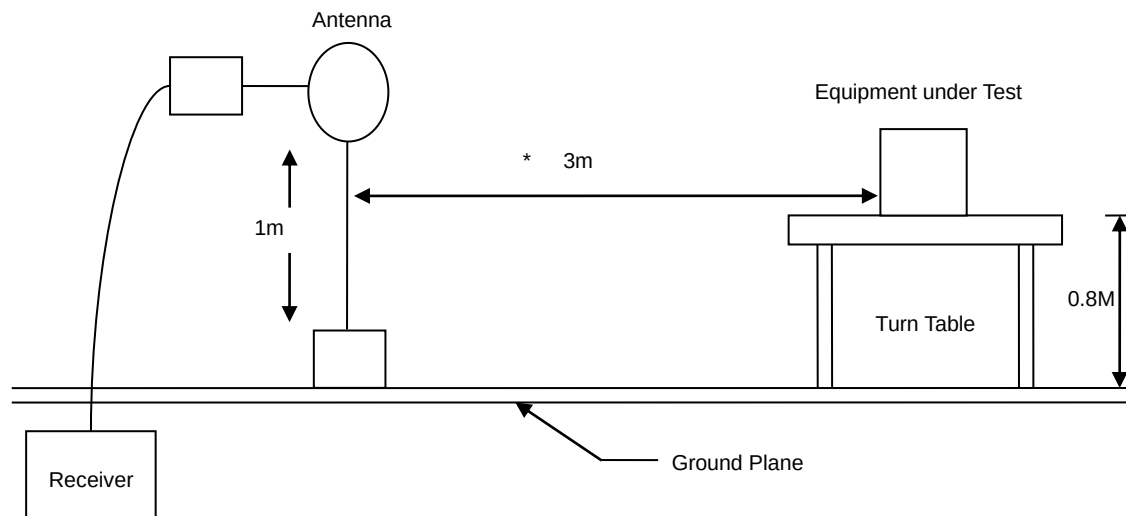
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
-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

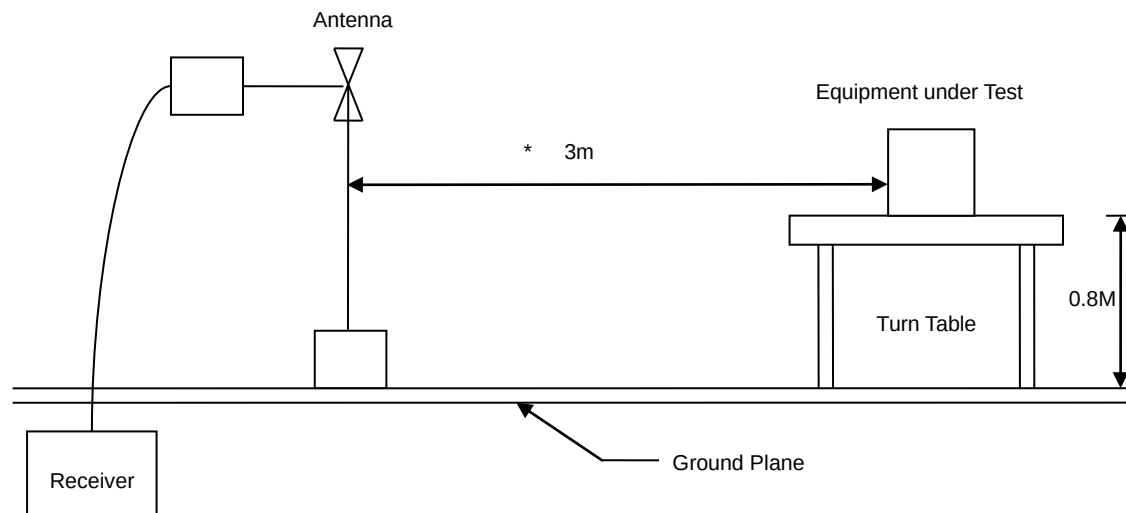


6.3. Typical Test Setup

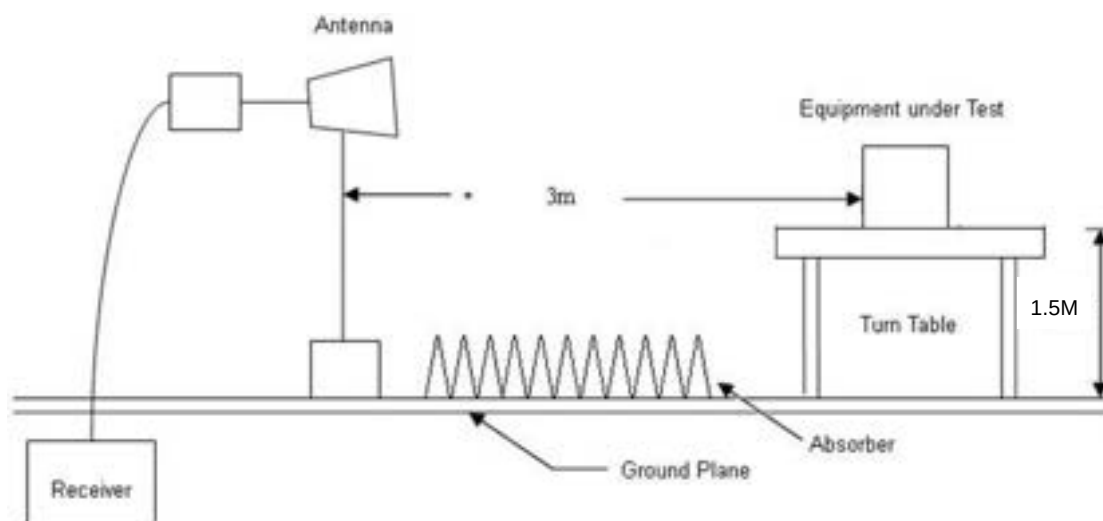
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



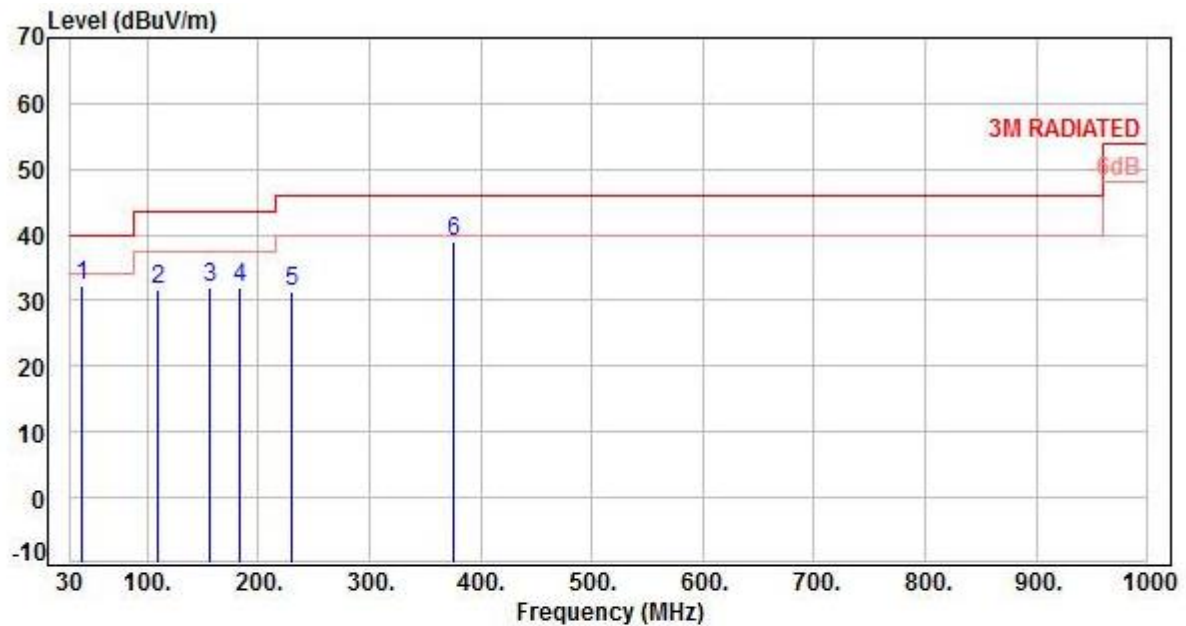


6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	41.64	-11.66	43.84	32.18	40.00	-7.82	Peak	400	0	P
2	109.54	-14.49	46.29	31.80	43.50	-11.70	Peak	400	0	P
3	156.10	-11.36	43.46	32.10	43.50	-11.40	Peak	400	0	P
4	183.26	-13.03	44.87	31.84	43.50	-11.66	Peak	400	0	P
5	229.82	-13.96	45.30	31.34	46.00	-14.66	Peak	400	0	P
6	375.32	-8.25	47.25	39.00	46.00	-7.00	Peak	400	0	P

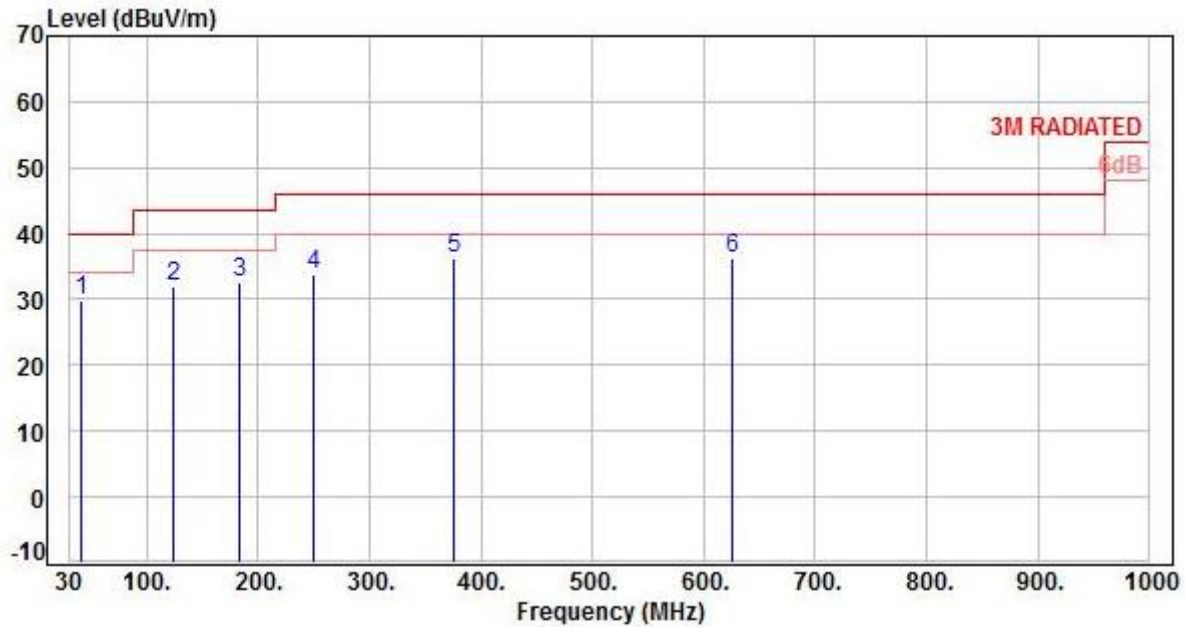
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	41.64	-11.66	41.52	29.86	40.00	-10.14	Peak	400	0	P
2	123.12	-13.53	45.62	32.09	43.50	-11.41	Peak	400	0	P
3	183.26	-13.03	45.65	32.62	43.50	-10.88	Peak	400	0	P
4	249.22	-12.08	45.80	33.72	46.00	-12.28	Peak	400	0	P
5	376.29	-8.23	44.45	36.22	46.00	-9.78	Peak	400	0	P
6	625.58	-2.29	38.57	36.28	46.00	-9.72	Peak	400	0	P

Note: Level=Reading+Factor

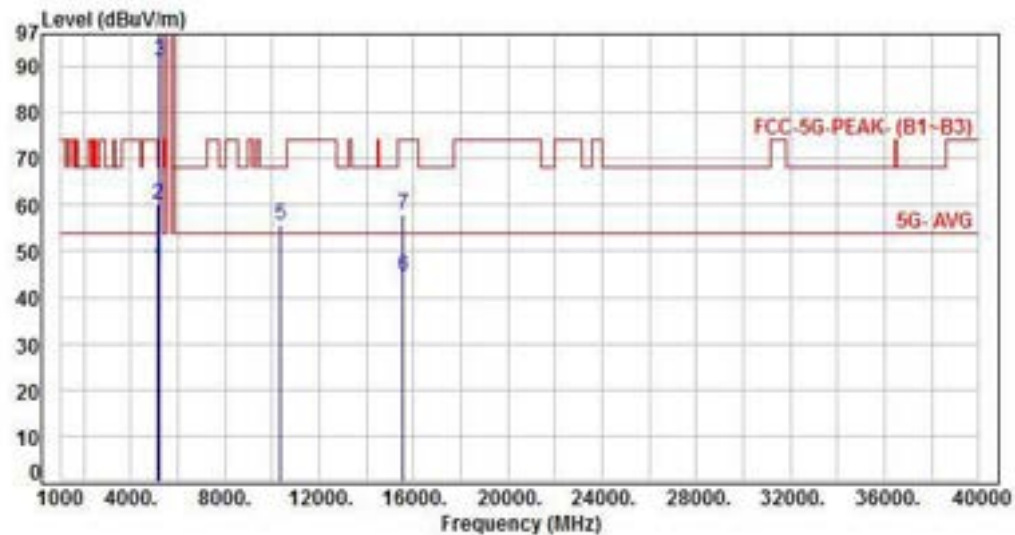
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH36		:	



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	6.01	40.35	46.36	54.00	-7.64	Average	100	123	P
2	5150.00	6.01	54.11	60.12	74.00	-13.88	Peak	100	123	P
3	5180.00	6.03	85.24	91.27	200.00	-108.73	Average	100	123	P
4	5180.00	6.03	94.34	100.37	200.00	-99.63	Peak	100	123	P
5	10360.00	13.23	42.38	55.61	68.20	-12.59	Peak	100	227	P
6	15540.00	16.03	28.49	44.52	54.00	-9.48	Average	100	79	P
7	15540.00	16.03	41.76	57.79	74.00	-16.21	Peak	100	79	P

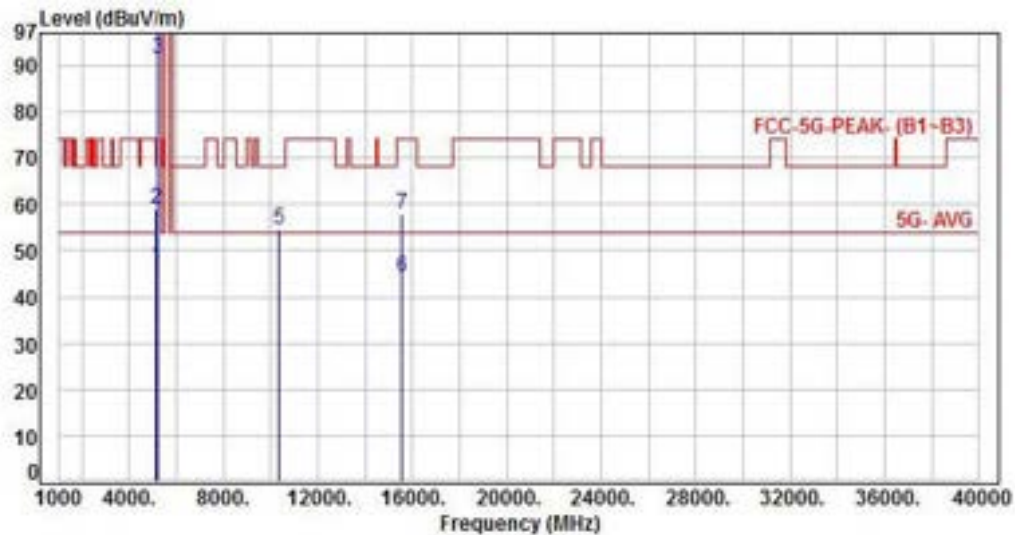
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH36		:	



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	6.01	40.34	46.35	54.00	-7.65	Average	100	24	P
2	5150.00	6.01	52.88	58.89	74.00	-15.11	Peak	100	24	P
3	5180.00	6.03	85.51	91.54	200.00	-108.46	Average	100	24	P
4	5180.00	6.03	94.70	100.73	200.00	-99.27	Peak	100	24	P
5	10360.00	13.23	41.51	54.74	68.20	-13.46	Peak	100	134	P
6	15540.00	16.03	28.24	44.27	54.00	-9.73	Average	100	304	P
7	15540.00	16.03	41.86	57.89	74.00	-16.11	Peak	100	304	P

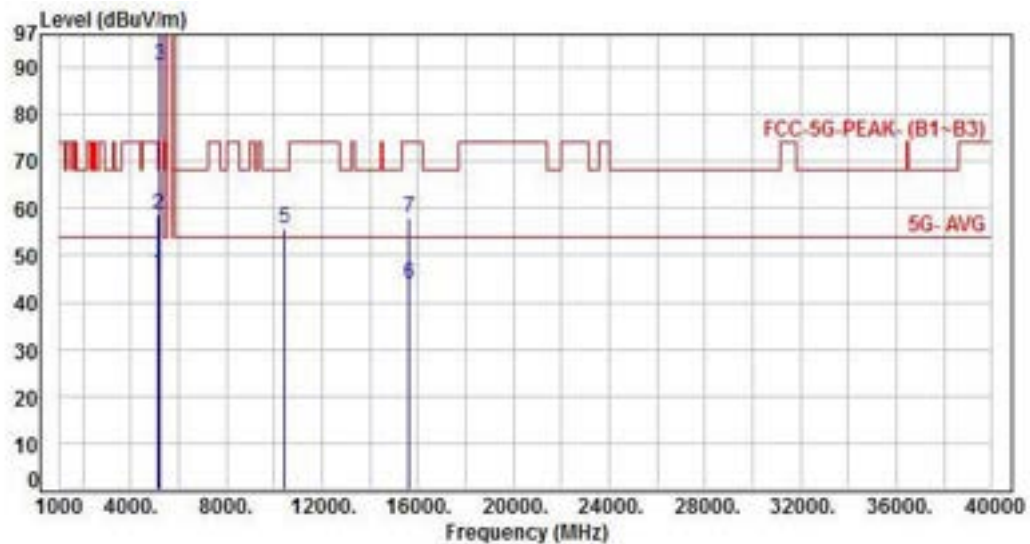
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH40		:	



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	6.01	39.97	45.98	54.00	-8.02	Average	100	116	P
2	5150.00	6.01	52.64	58.65	74.00	-15.35	Peak	100	116	P
3	5200.00	6.04	84.22	90.26	200.00	-109.74	Average	100	116	P
4	5200.00	6.04	93.61	99.65	200.00	-100.35	Peak	100	116	P
5	10400.00	13.27	42.43	55.70	68.20	-12.50	Peak	100	225	P
6	15600.00	15.83	28.16	43.99	54.00	-10.01	Average	100	77	P
7	15600.00	15.83	42.17	58.00	74.00	-16.00	Peak	100	77	P

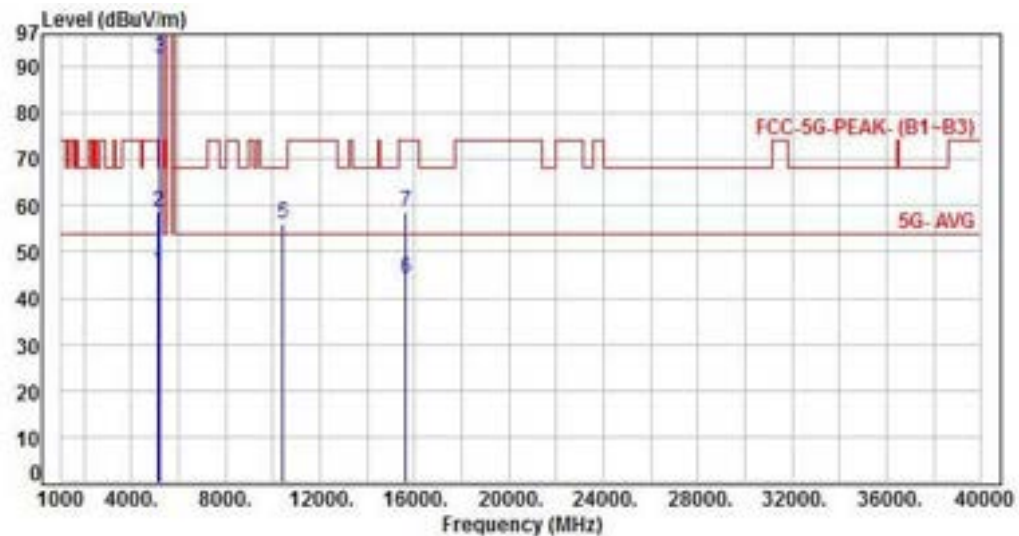
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH40		:	



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	6.01	39.90	45.91	54.00	-8.09	Average	111	23	P
2	5150.00	6.01	52.72	58.73	74.00	-15.27	Peak	111	23	P
3	5200.00	6.04	85.62	91.66	200.00	-108.34	Average	111	23	P
4	5200.00	6.04	94.89	100.93	200.00	-99.07	Peak	111	23	P
5	10400.00	13.27	42.61	55.88	68.20	-12.32	Peak	100	133	P
6	15600.00	15.83	28.47	44.30	54.00	-9.70	Average	100	302	P
7	15600.00	15.83	42.73	58.56	74.00	-15.44	Peak	100	302	P

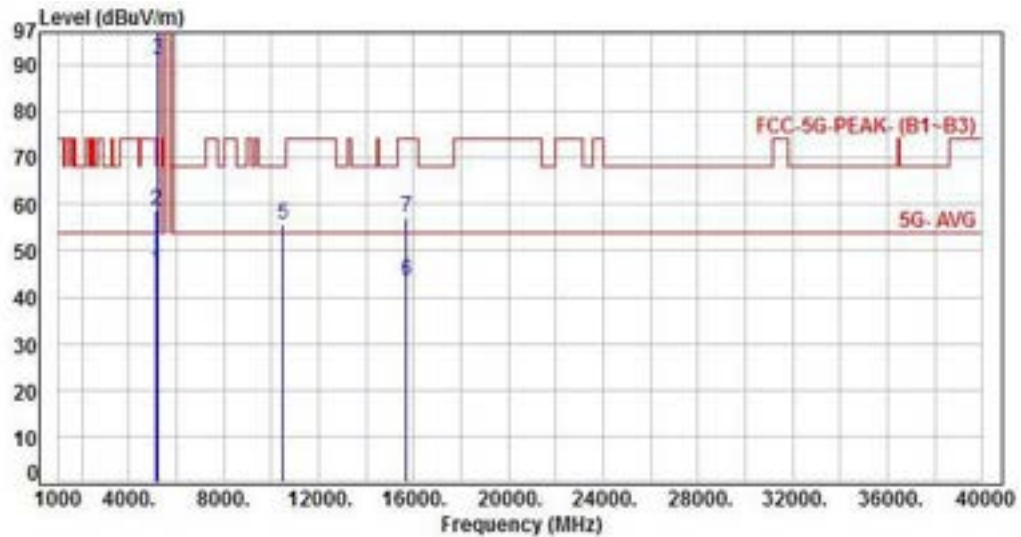
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH48		:	



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	6.01	39.88	45.89	54.00	-8.11	Average	100	96	P
2	5150.00	6.01	52.60	58.61	74.00	-15.39	Peak	100	96	P
3	5240.00	6.08	84.97	91.05	200.00	-108.95	Average	100	96	P
4	5240.00	6.08	94.35	100.43	200.00	-99.57	Peak	100	96	P
5	10480.00	13.47	42.31	55.78	68.20	-12.42	Peak	100	228	P
6	15720.00	15.32	28.38	43.70	54.00	-10.30	Average	100	82	P
7	15720.00	15.32	41.86	57.18	74.00	-16.82	Peak	100	82	P

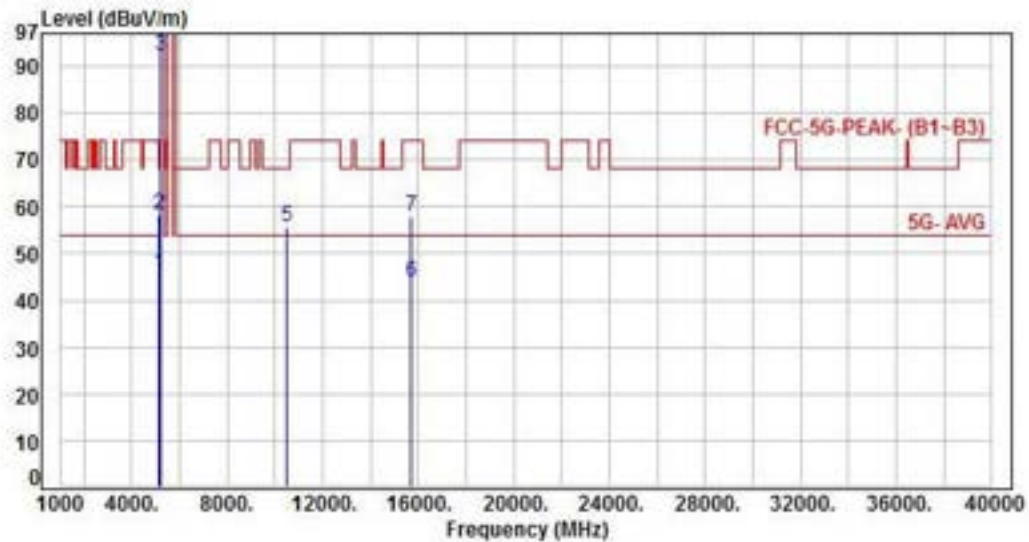
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH48		:	



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	6.01	39.81	45.82	54.00	-8.18	Average	116	21	P
2	5150.00	6.01	52.41	58.42	74.00	-15.58	Peak	116	21	P
3	5240.00	6.08	86.29	92.37	200.00	-107.63	Average	116	21	P
4	5240.00	6.08	95.54	101.62	200.00	-98.38	Peak	116	21	P
5	10400.00	13.47	42.28	55.75	68.20	-12.45	Peak	100	134	P
6	15720.00	15.32	28.45	43.77	54.00	-10.23	Average	100	307	P
7	15720.00	15.32	42.67	57.99	74.00	-16.01	Peak	100	307	P

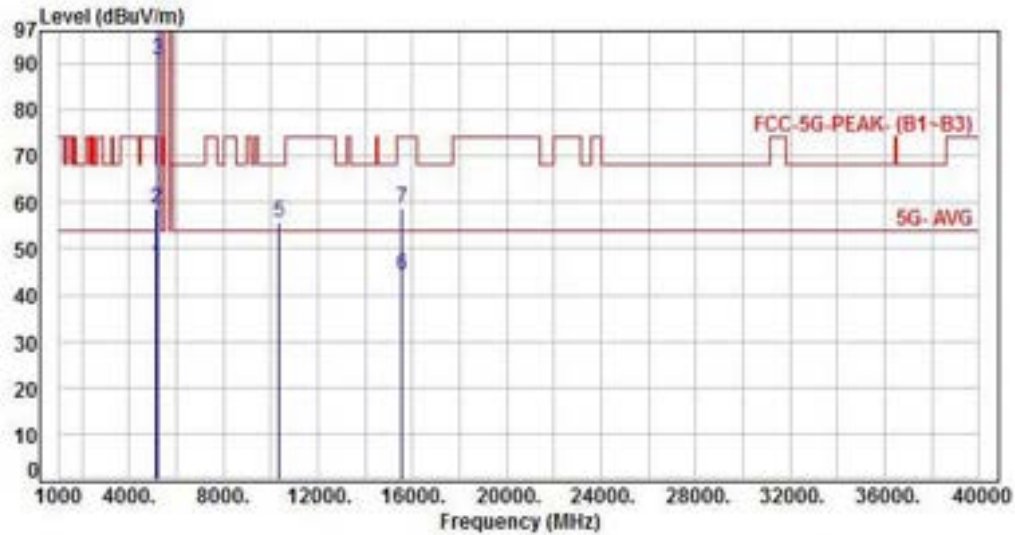
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH36		:	



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	6.01	40.37	46.38	54.00	-7.62	Average	100	123	P
2	5150.00	6.01	52.80	58.81	74.00	-15.19	Peak	100	123	P
3	5180.00	6.03	84.71	90.74	200.00	-109.26	Average	100	123	P
4	5180.00	6.03	94.04	100.07	200.00	-99.93	Peak	100	123	P
5	10360.00	13.23	42.29	55.52	68.20	-12.68	Peak	100	226	P
6	15540.00	16.03	28.19	44.22	54.00	-9.78	Average	100	78	P
7	15540.00	16.03	42.51	58.54	74.00	-15.46	Peak	100	78	P

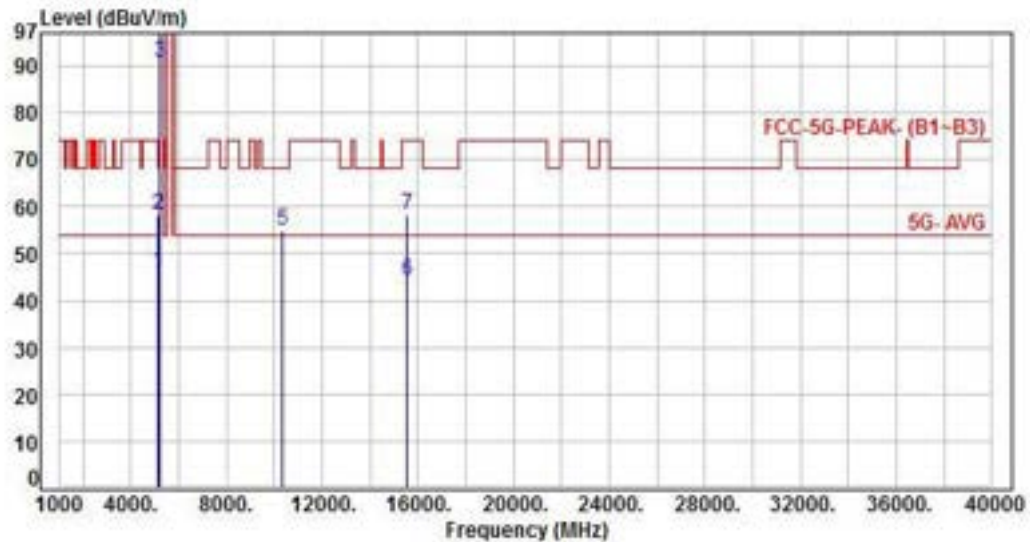
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH36		:	



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	6.01	40.12	46.13	54.00	-7.87	Average	100	26	P
2	5150.00	6.01	52.28	58.29	74.00	-15.71	Peak	100	26	P
3	5180.00	6.03	84.64	90.67	200.00	-109.33	Average	100	26	P
4	5180.00	6.03	94.81	100.84	200.00	-99.16	Peak	100	26	P
5	10360.00	13.23	41.69	54.92	68.20	-13.28	Peak	100	135	P
6	15540.00	16.03	28.15	44.18	54.00	-9.82	Average	100	299	P
7	15540.00	16.03	42.37	58.40	74.00	-15.60	Peak	100	299	P

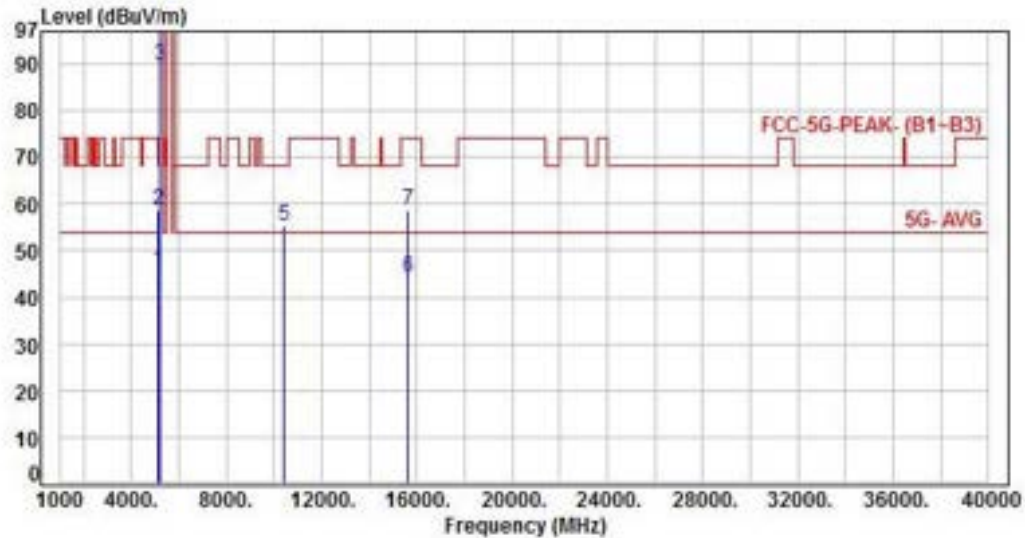
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH40		:	



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	6.01	39.78	45.79	54.00	-8.21	Average	100	118	P
2	5150.00	6.01	52.71	58.72	74.00	-15.28	Peak	100	118	P
3	5200.00	6.04	83.57	89.61	200.00	-110.39	Average	100	118	P
4	5200.00	6.04	93.41	99.45	200.00	-100.55	Peak	100	118	P
5	10400.00	13.27	41.92	55.19	68.20	-13.01	Peak	100	228	P
6	15600.00	15.83	28.55	44.38	54.00	-9.62	Average	100	82	P
7	15600.00	15.83	42.79	58.62	74.00	-15.38	Peak	100	82	P

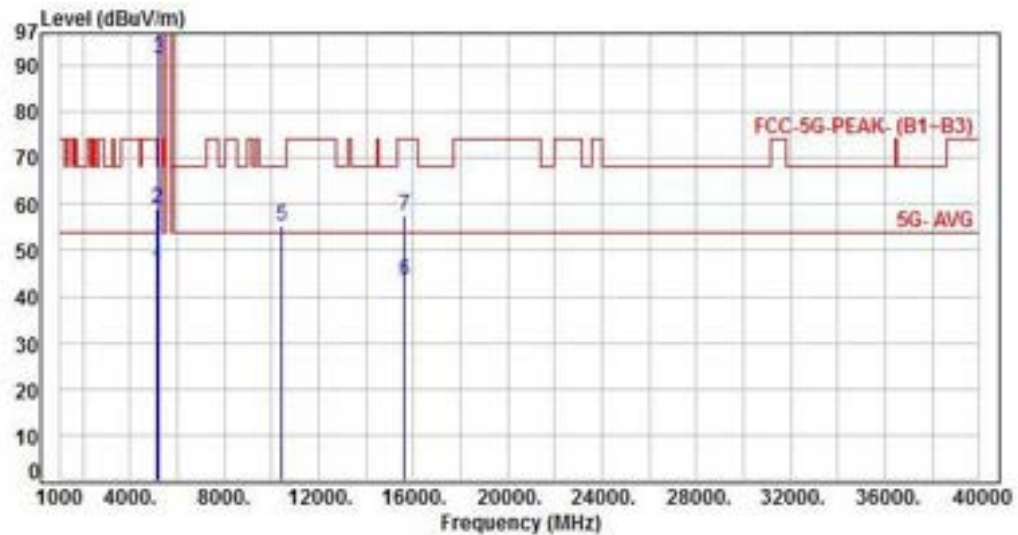
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH40		:	



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	6.01	39.90	45.91	54.00	-8.09	Average	134	18	P
2	5150.00	6.01	53.01	59.02	74.00	-14.98	Peak	134	18	P
3	5200.00	6.04	85.45	91.49	200.00	-108.51	Average	134	18	P
4	5200.00	6.04	94.77	100.81	200.00	-99.19	Peak	134	18	P
5	10400.00	13.27	41.87	55.14	68.20	-13.06	Peak	100	134	P
6	15600.00	15.83	27.84	43.67	54.00	-10.33	Average	100	306	P
7	15600.00	15.83	41.81	57.64	74.00	-16.36	Peak	100	306	P

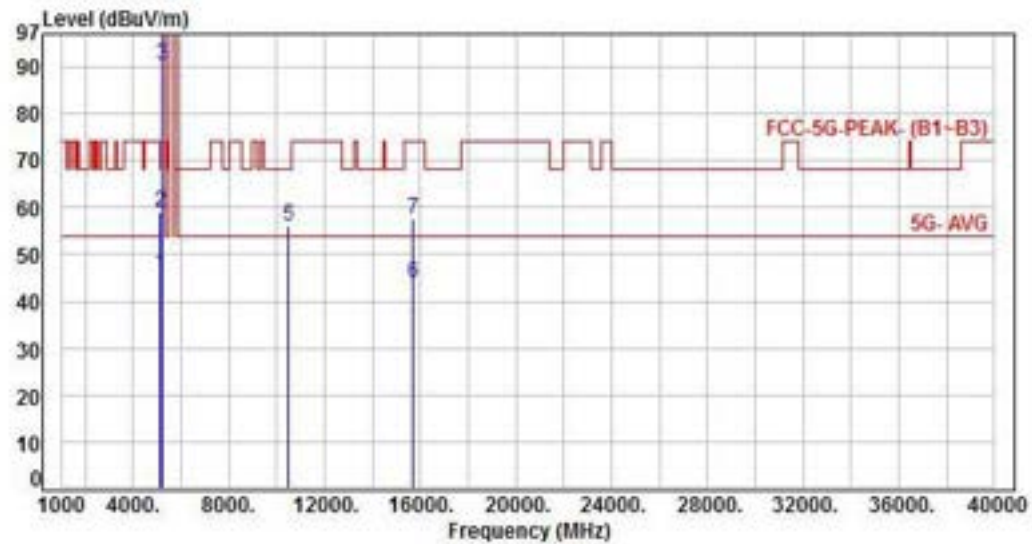
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH48		:	



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	6.01	39.86	45.87	54.00	-8.13	Average	100	59	P
2	5150.00	6.01	53.16	59.17	74.00	-14.83	Peak	100	59	P
3	5240.00	6.08	84.21	90.29	200.00	-109.71	Average	100	59	P
4	5240.00	6.08	93.56	99.64	200.00	-100.36	Peak	100	59	P
5	10480.00	13.47	42.62	56.09	68.20	-12.11	Peak	100	228	P
6	15720.00	15.32	28.49	43.81	54.00	-10.19	Average	100	77	P
7	15720.00	15.32	42.19	57.51	74.00	-16.49	Peak	100	77	P

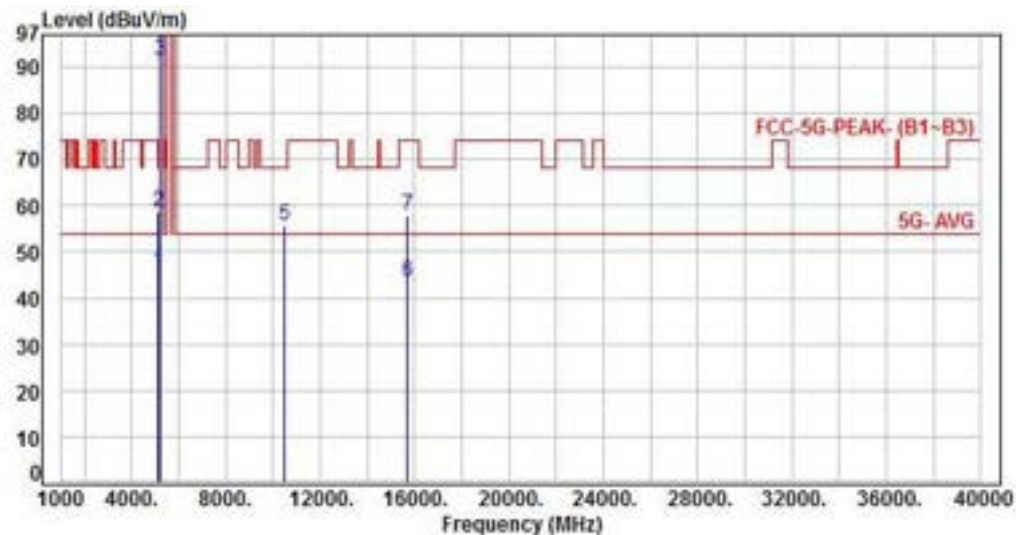
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH48		:	



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	6.01	39.81	45.82	54.00	-8.18	Average	100	22	P
2	5150.00	6.01	52.75	58.76	74.00	-15.24	Peak	100	22	P
3	5240.00	6.08	85.47	91.55	200.00	-108.45	Average	100	22	P
4	5240.00	6.08	95.21	101.29	200.00	-98.71	Peak	100	22	P
5	10480.00	13.47	42.06	55.53	68.20	-12.67	Peak	100	131	P
6	15720.00	15.32	28.36	43.68	54.00	-10.32	Average	100	300	P
7	15720.00	15.32	42.53	57.85	74.00	-16.15	Peak	100	300	P

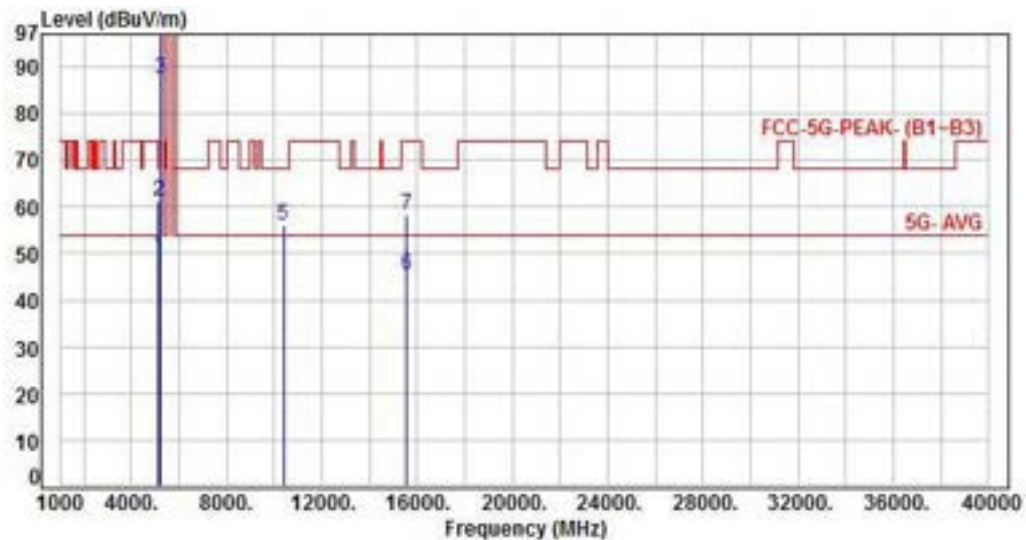
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 1, CH38		:	



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	6.01	43.57	49.58	54.00	-4.42	Average	100	58	P
2	5150.00	6.01	55.10	61.11	74.00	-12.89	Peak	100	58	P
3	5190.00	6.04	81.34	87.38	200.00	-112.62	Average	100	58	P
4	5190.00	6.04	90.72	96.76	200.00	-103.24	Peak	100	58	P
5	10380.00	13.26	42.74	56.00	68.20	-12.20	Peak	100	230	P
6	15570.00	15.93	29.35	45.28	54.00	-8.72	Average	100	75	P
7	15570.00	15.93	42.52	58.45	74.00	-15.55	Peak	100	75	P

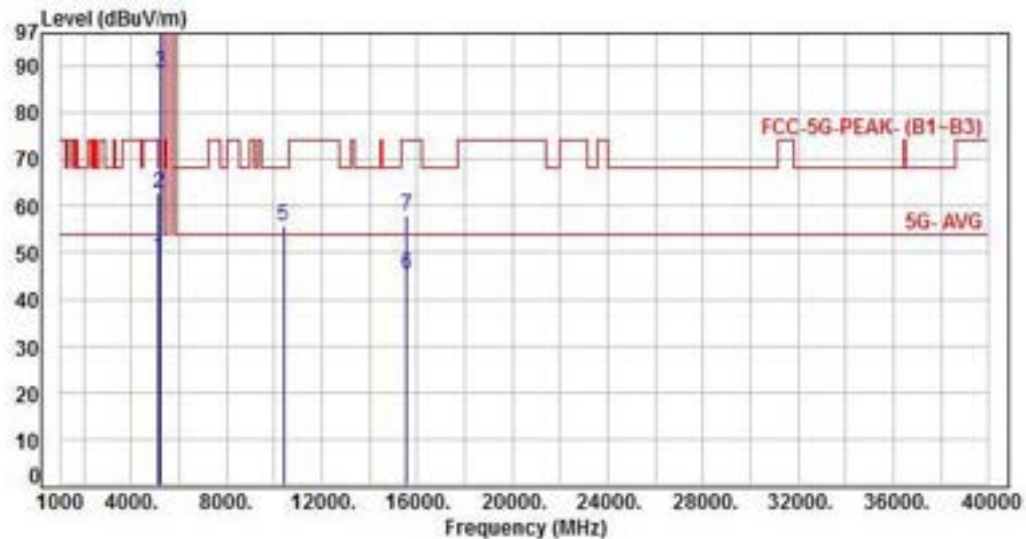
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 1, CH38		:	



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	6.01	43.17	49.18	54.00	-4.82	Average	100	21	P
2	5150.00	6.01	56.76	62.77	74.00	-11.23	Peak	100	21	P
3	5190.00	6.04	82.52	88.56	200.00	-111.44	Average	100	21	P
4	5190.00	6.04	92.10	98.14	200.00	-101.86	Peak	100	21	P
5	10380.00	13.26	42.38	55.64	68.20	-12.56	Peak	100	133	P
6	15570.00	15.93	29.47	45.40	54.00	-8.60	Average	100	297	P
7	15570.00	15.93	41.79	57.72	74.00	-16.28	Peak	100	297	P

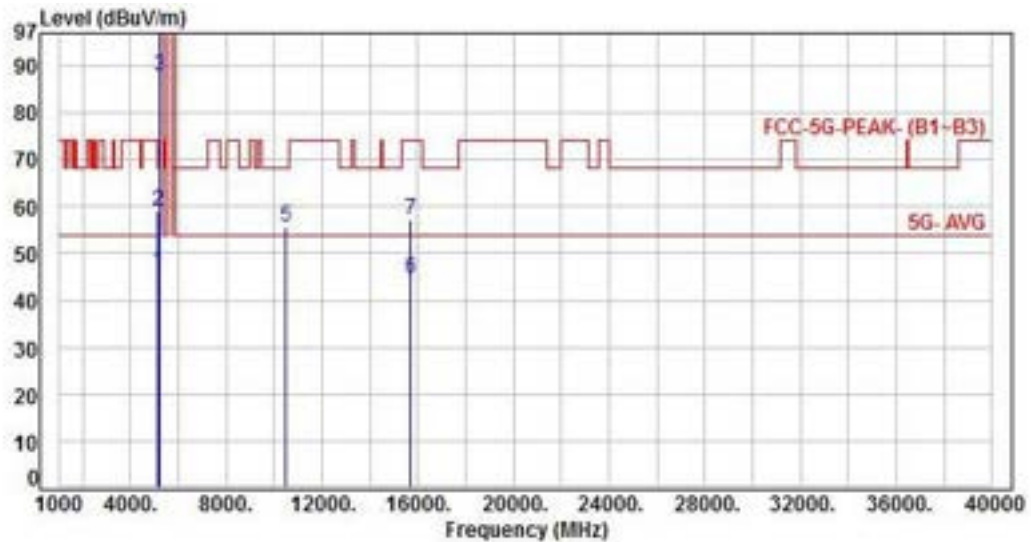
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 1, CH46		:	



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	6.01	40.19	46.20	54.00	-7.80	Average	100	58	P
2	5150.00	6.01	52.83	58.84	74.00	-15.16	Peak	100	58	P
3	5230.00	6.08	81.70	87.78	200.00	-112.22	Average	100	58	P
4	5230.00	6.08	91.11	97.19	200.00	-102.81	Peak	100	58	P
5	10460.00	13.42	42.43	55.85	68.20	-12.35	Peak	100	224	P
6	15690.00	15.35	29.45	44.80	54.00	-9.20	Average	100	80	P
7	15690.00	15.35	41.81	57.16	74.00	-16.84	Peak	100	80	P

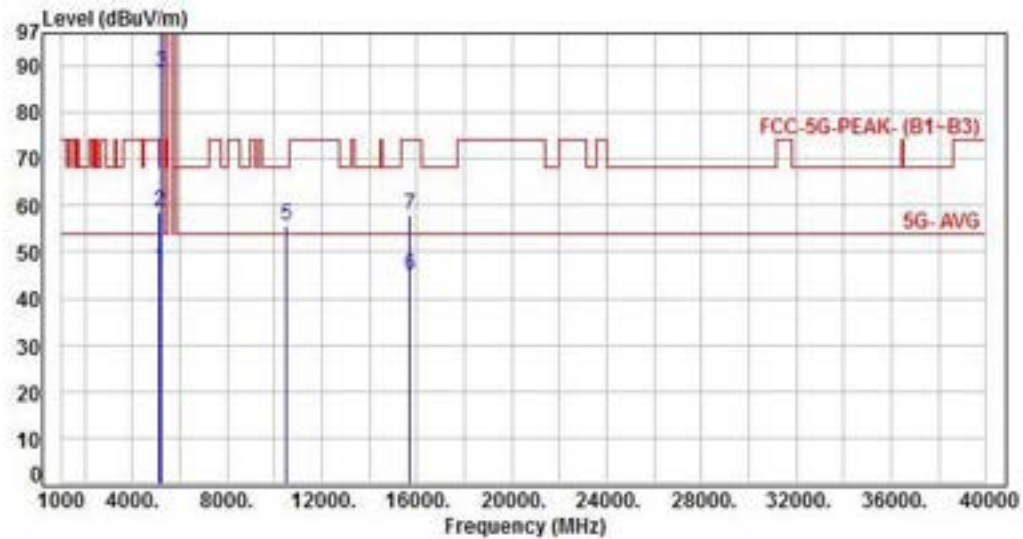
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 1, CH46		:	



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	6.01	40.32	46.33	54.00	-7.67	Average	116	19	P
2	5150.00	6.01	52.66	58.67	74.00	-15.33	Peak	116	19	P
3	5230.00	6.08	82.57	88.65	200.00	-111.35	Average	116	19	P
4	5230.00	6.08	92.03	98.11	200.00	-101.89	Peak	116	19	P
5	10460.00	13.42	42.15	55.57	68.20	-12.63	Peak	100	137	P
6	15690.00	15.35	29.79	45.14	54.00	-8.86	Average	100	303	P
7	15690.00	15.35	42.41	57.76	74.00	-16.24	Peak	100	303	P

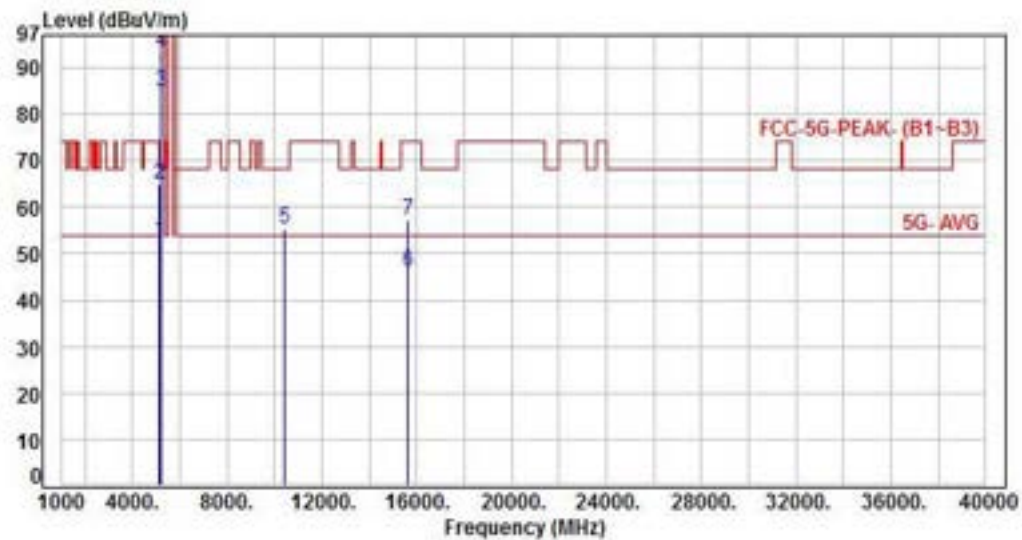
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 1, CH42		:	



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	6.01	46.65	52.66	54.00	-1.34	Average	100	123	P
2	5150.00	6.01	58.83	64.84	74.00	-9.16	Peak	100	123	P
3	5210.00	6.06	78.65	84.71	200.00	-115.29	Average	100	123	P
4	5210.00	6.06	87.12	93.18	200.00	-106.82	Peak	100	123	P
5	10420.00	13.32	41.90	55.22	68.20	-12.98	Peak	100	228	P
6	15630.00	15.66	30.55	46.21	54.00	-7.79	Average	100	79	P
7	15630.00	15.66	41.59	57.25	74.00	-16.75	Peak	100	79	P

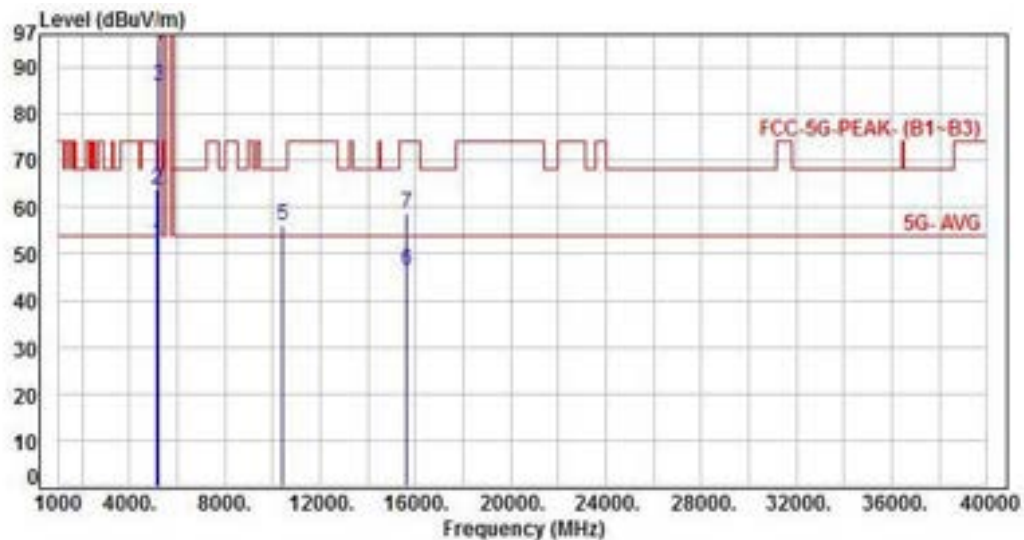
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 1, CH42		:	



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	6.01	46.47	52.48	54.00	-1.52	Average	136	17	P
2	5150.00	6.01	57.82	63.83	74.00	-10.17	Peak	136	17	P
3	5210.00	6.06	79.93	85.99	200.00	-114.01	Average	136	17	P
4	5210.00	6.06	88.67	94.73	200.00	-105.27	Peak	136	17	P
5	10420.00	13.32	42.66	55.98	68.20	-12.22	Peak	100	134	P
6	15630.00	15.66	30.75	46.41	54.00	-7.59	Average	100	308	P
7	15630.00	15.66	42.93	58.59	74.00	-15.41	Peak	100	308	P

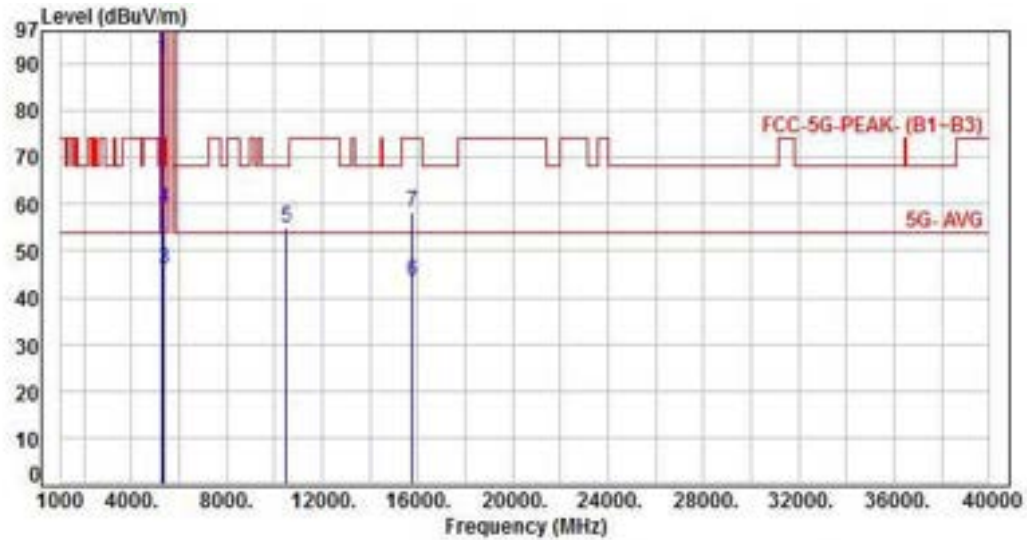
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH52		:	



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	6.12	85.16	91.28	200.00	-108.72	Average	100	117	P
2	5260.00	6.12	94.62	100.74	200.00	-99.26	Peak	100	117	P
3	5350.00	6.27	39.78	46.05	54.00	-7.95	Average	100	117	P
4	5350.00	6.27	52.58	58.85	74.00	-15.15	Peak	100	117	P
5	10520.00	13.58	41.46	55.04	68.20	-13.16	Peak	100	227	P
6	15780.00	15.41	28.28	43.69	54.00	-10.31	Average	100	79	P
7	15780.00	15.41	42.69	58.10	74.00	-15.90	Peak	100	79	P

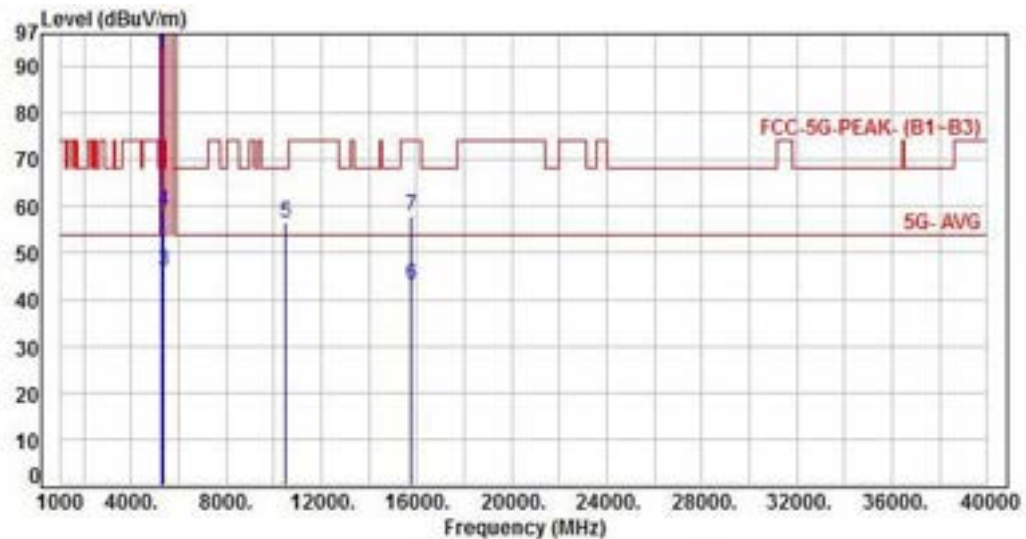
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH60		:	



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	6.12	86.56	92.68	200.00	-107.32	Average	115	22	P
2	5260.00	6.12	96.06	102.18	200.00	-97.82	Peak	115	22	P
3	5350.00	6.27	39.86	46.13	54.00	-7.87	Average	115	22	P
4	5350.00	6.27	52.63	58.90	74.00	-15.10	Peak	115	22	P
5	10520.00	13.58	42.76	56.34	68.20	-11.86	Peak	100	133	P
6	15780.00	15.41	27.76	43.17	54.00	-10.83	Average	100	305	P
7	15780.00	15.41	42.35	57.76	74.00	-16.24	Peak	100	305	P

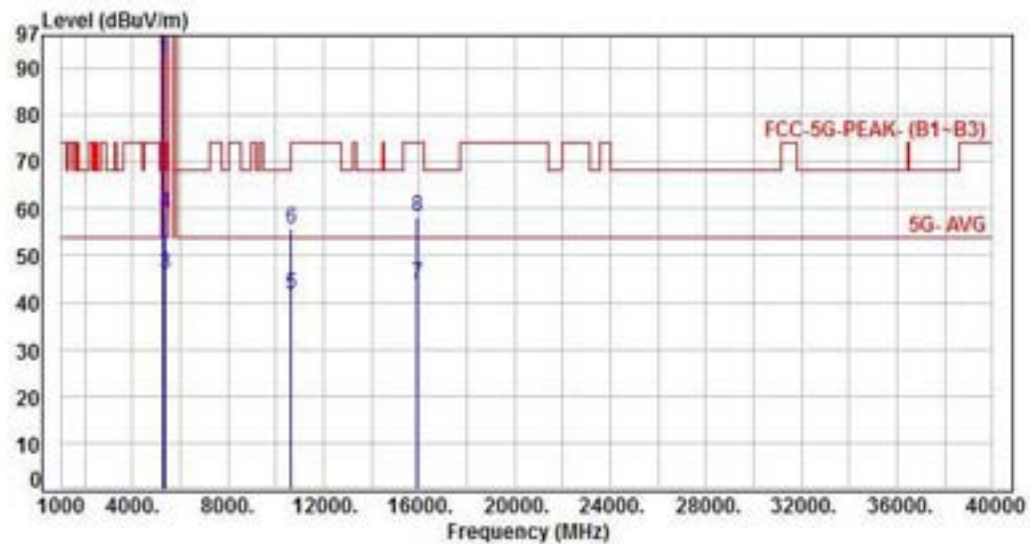
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH60		:	



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	6.24	85.43	91.67	200.00	-108.33	Average	100	59	P
2	5300.00	6.24	94.90	101.14	200.00	-98.86	Peak	100	59	P
3	5350.00	6.27	39.77	46.04	54.00	-7.96	Average	100	59	P
4	5350.00	6.27	52.60	58.87	74.00	-15.13	Peak	100	59	P
5	10600.00	13.84	27.67	41.51	54.00	-12.49	Average	100	228	P
6	10600.00	13.84	41.92	55.76	74.00	-18.24	Peak	100	228	P
7	15900.00	15.50	28.30	43.80	54.00	-10.20	Average	100	78	P
8	15900.00	15.50	42.63	58.13	74.00	-15.87	Peak	100	78	P

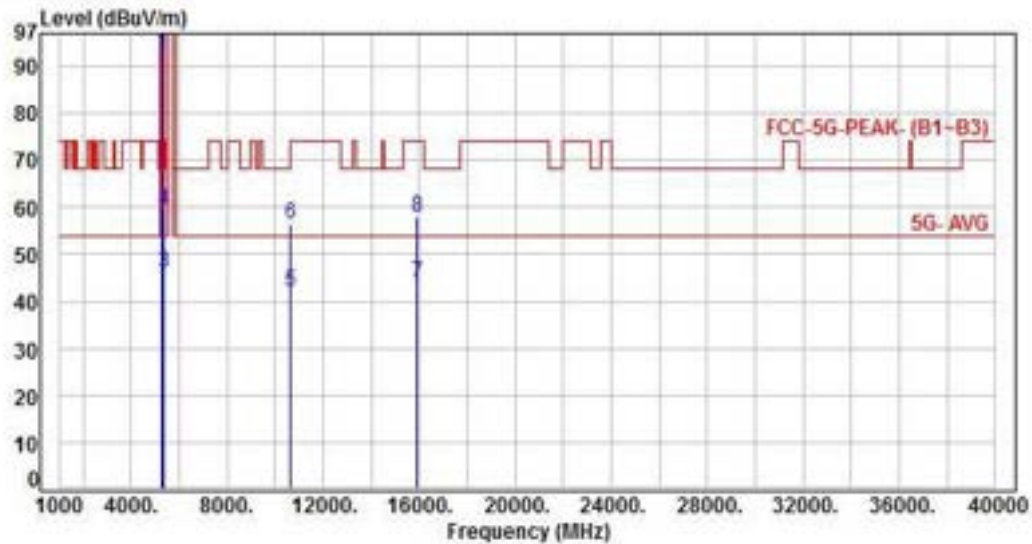
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH60		:	



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	6.24	86.47	92.71	200.00	-107.29	Average	107	22	P
2	5300.00	6.24	95.95	102.19	200.00	-97.81	Peak	107	22	P
3	5350.00	6.27	39.89	46.16	54.00	-7.84	Average	107	22	P
4	5350.00	6.27	53.21	59.48	74.00	-14.52	Peak	107	22	P
5	10600.00	13.84	28.27	42.11	54.00	-11.89	Average	100	134	P
6	10600.00	13.84	42.49	56.33	74.00	-17.67	Peak	100	134	P
7	15900.00	15.50	28.30	43.80	54.00	-10.20	Average	100	75	P
8	15900.00	15.50	42.49	57.99	74.00	-16.01	Peak	100	75	P

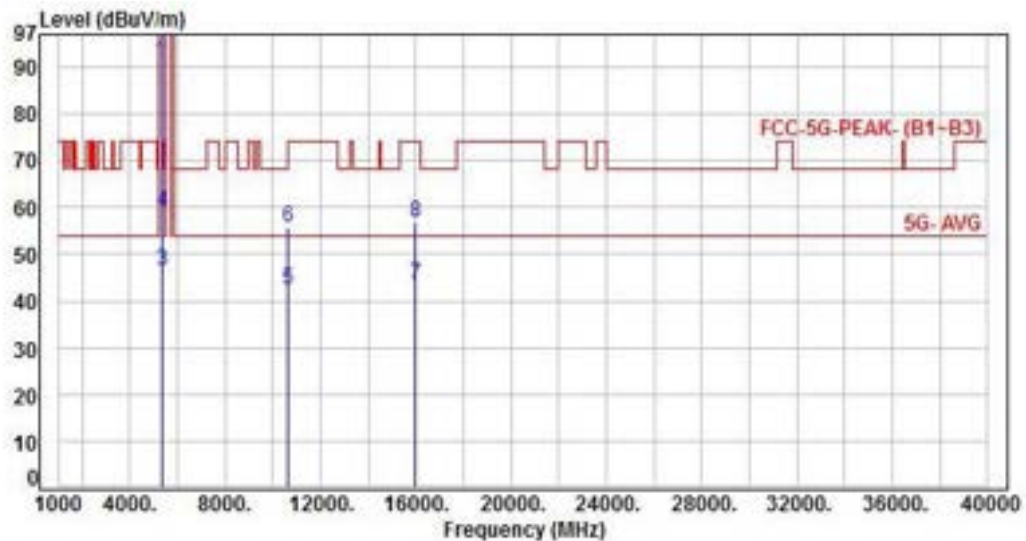
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH64		:	



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	6.25	84.94	91.19	200.00	-108.81	Average	100	124	P
2	5320.00	6.25	94.36	100.61	200.00	-99.39	Peak	100	124	P
3	5350.00	6.27	40.10	46.37	54.00	-7.63	Average	100	124	P
4	5350.00	6.27	52.81	59.08	74.00	-14.92	Peak	100	124	P
5	10640.00	13.88	28.36	42.24	54.00	-11.76	Average	100	226	P
6	10640.00	13.88	41.68	55.56	74.00	-18.44	Peak	100	226	P
7	15960.00	15.18	28.35	43.53	54.00	-10.47	Average	100	80	P
8	15960.00	15.18	41.79	56.97	74.00	-17.03	Peak	100	80	P

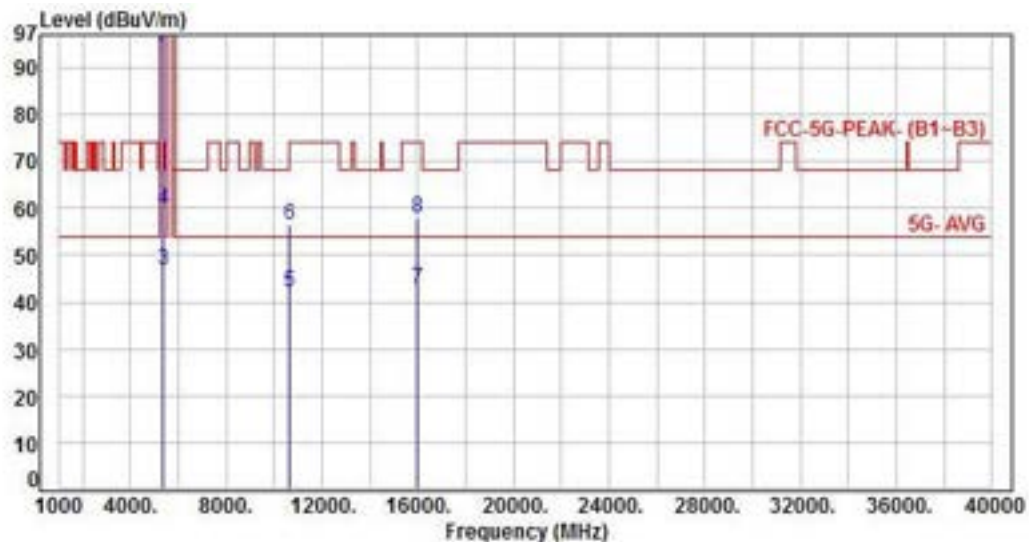
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH64		:	



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	6.25	86.05	92.30	200.00	-107.70	Average	114	23	P
2	5320.00	6.25	95.46	101.71	200.00	-98.29	Peak	114	23	P
3	5350.00	6.27	40.40	46.67	54.00	-7.33	Average	114	23	P
4	5350.00	6.27	53.31	59.58	74.00	-14.42	Peak	114	23	P
5	10640.00	13.88	28.09	41.97	54.00	-12.03	Average	100	131	P
6	10640.00	13.88	42.50	56.38	74.00	-17.62	Peak	100	131	P
7	15960.00	15.18	27.62	42.80	54.00	-11.20	Average	100	300	P
8	15960.00	15.18	42.86	58.04	74.00	-15.96	Peak	100	300	P

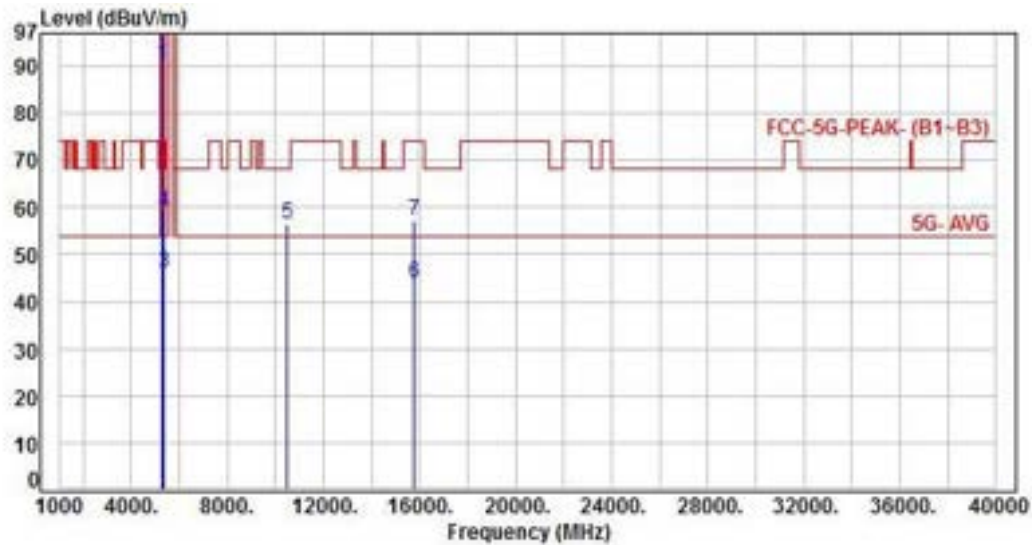
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH52		:	



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	6.12	84.38	90.50	200.00	-109.50	Average	100	123	P
2	5260.00	6.12	94.76	100.88	200.00	-99.12	Peak	100	123	P
3	5350.00	6.27	39.73	46.00	54.00	-8.00	Average	100	123	P
4	5350.00	6.27	52.72	58.99	74.00	-15.01	Peak	100	123	P
5	10520.00	13.58	42.76	56.34	68.20	-11.86	Peak	100	229	P
6	15780.00	15.41	28.46	43.87	54.00	-10.13	Average	100	77	P
7	15780.00	15.41	41.90	57.31	74.00	-16.69	Peak	100	77	P

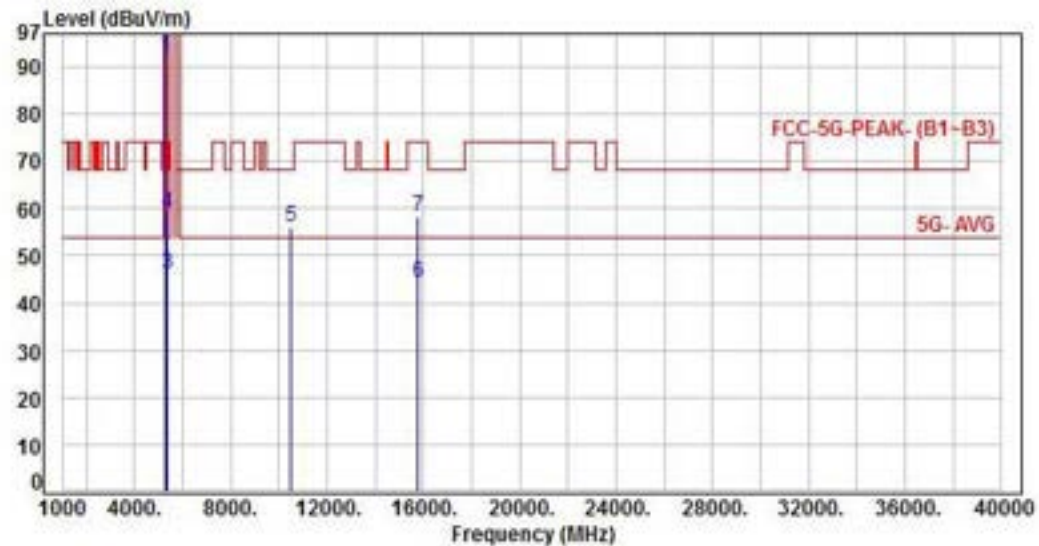
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 2, CH52		:	



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	6.12	86.02	92.14	200.00	-107.86	Average	114	21	P
2	5260.00	6.12	96.43	102.55	200.00	-97.45	Peak	114	21	P
3	5350.00	6.27	39.79	46.06	54.00	-7.94	Average	114	21	P
4	5350.00	6.27	52.72	58.99	74.00	-15.01	Peak	114	21	P
5	10520.00	13.58	42.35	55.93	68.20	-12.27	Peak	100	136	P
6	15780.00	15.41	28.90	44.31	54.00	-9.69	Average	100	299	P
7	15780.00	15.41	42.76	58.17	74.00	-15.83	Peak	100	299	P

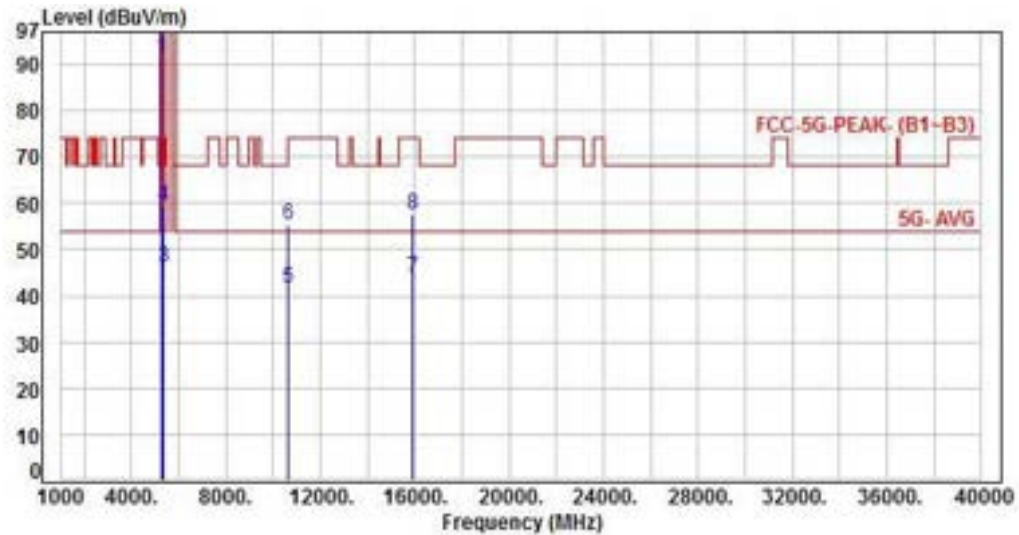
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH60		:	



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	6.24	85.05	91.29	200.00	-108.71	Average	100	58	P
2	5300.00	6.24	95.41	101.65	200.00	-98.35	Peak	100	58	P
3	5350.00	6.27	39.94	46.21	54.00	-7.79	Average	100	58	P
4	5350.00	6.27	53.01	59.28	74.00	-14.72	Peak	100	58	P
5	10600.00	13.84	27.75	41.59	54.00	-12.41	Average	100	223	P
6	10600.00	13.84	41.47	55.31	74.00	-18.69	Peak	100	223	P
7	15900.00	15.50	28.36	43.86	54.00	-10.14	Average	100	76	P
8	15900.00	15.50	42.20	57.70	74.00	-16.30	Peak	100	76	P

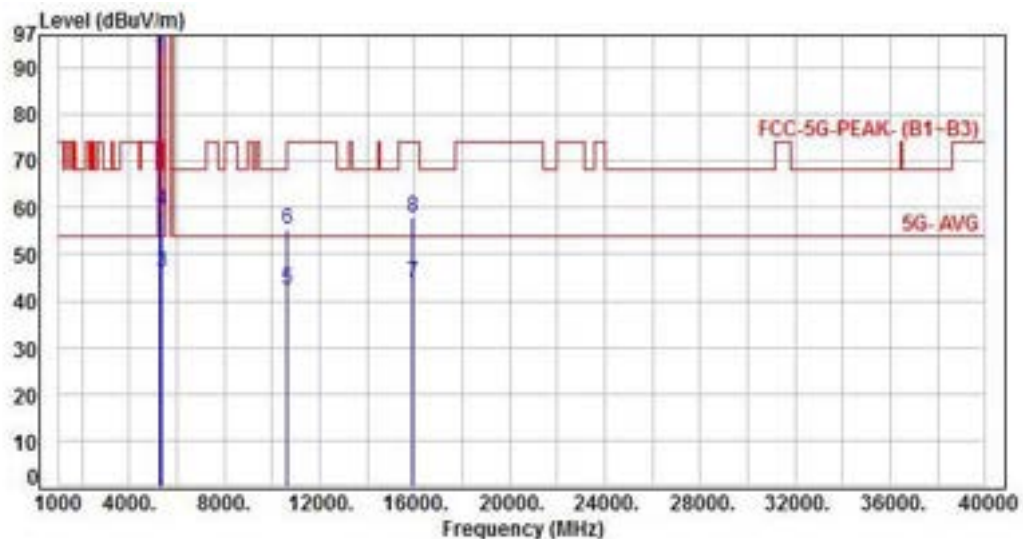
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 2, CH60		:	



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	6.24	85.81	92.05	200.00	-107.95	Average	105	21	P
2	5300.00	6.24	95.61	101.85	200.00	-98.15	Peak	105	21	P
3	5350.00	6.27	39.87	46.14	54.00	-7.86	Average	105	21	P
4	5350.00	6.27	53.29	59.56	74.00	-14.44	Peak	105	21	P
5	10600.00	13.84	28.48	42.32	54.00	-11.68	Average	100	137	P
6	10600.00	13.84	41.57	55.41	74.00	-18.59	Peak	100	137	P
7	15900.00	15.50	28.49	43.99	54.00	-10.01	Average	100	305	P
8	15900.00	15.50	42.38	57.88	74.00	-16.12	Peak	100	305	P

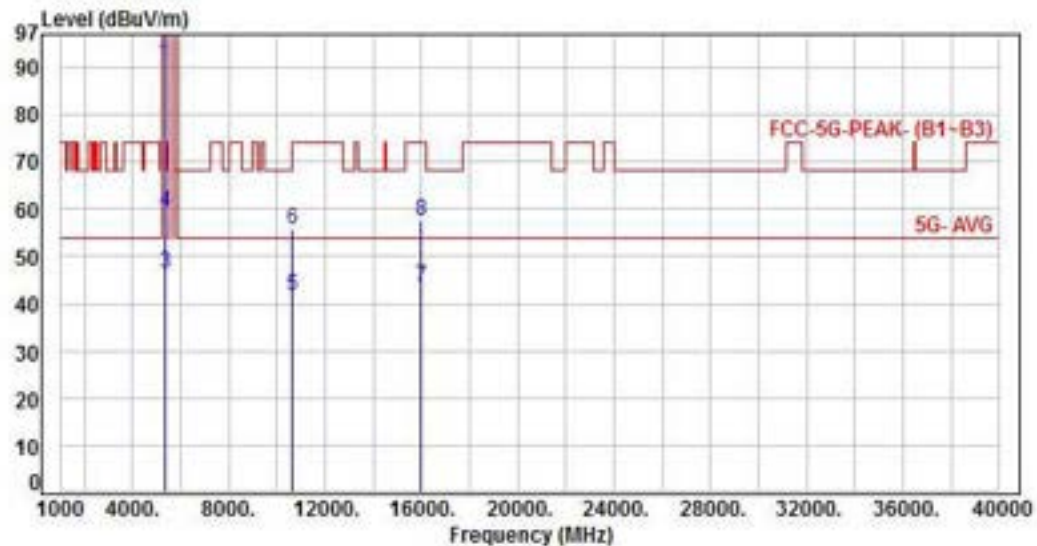
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH64		:	



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	6.25	84.45	90.70	200.00	-109.30	Average	100	119	P
2	5320.00	6.25	94.26	100.51	200.00	-99.49	Peak	100	119	P
3	5350.00	6.27	40.09	46.36	54.00	-7.64	Average	100	119	P
4	5350.00	6.27	53.07	59.34	74.00	-14.66	Peak	100	119	P
5	10640.00	13.88	27.91	41.79	54.00	-12.21	Average	100	228	P
6	10640.00	13.88	41.94	55.82	74.00	-18.18	Peak	100	228	P
7	15960.00	15.18	28.17	43.35	54.00	-10.65	Average	100	75	P
8	15960.00	15.18	42.37	57.55	74.00	-16.45	Peak	100	75	P

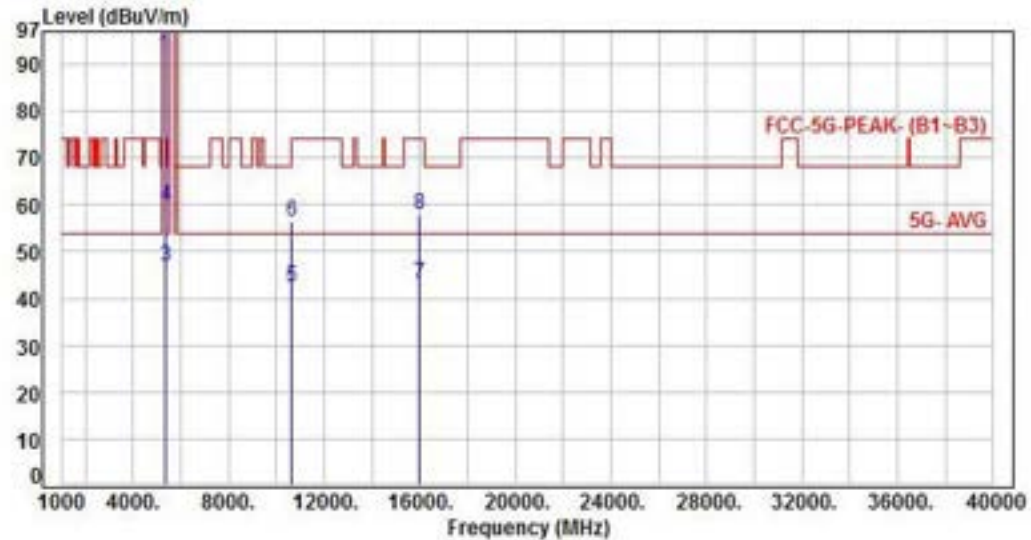
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 2, CH64		:	



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	6.25	85.58	91.83	200.00	-108.17	Average	100	23	P
2	5320.00	6.25	95.71	101.96	200.00	-98.04	Peak	100	23	P
3	5350.00	6.27	40.49	46.76	54.00	-7.24	Average	100	23	P
4	5350.00	6.27	53.63	59.90	74.00	-14.10	Peak	100	23	P
5	10640.00	13.88	28.40	42.28	54.00	-11.72	Average	100	130	P
6	10640.00	13.88	42.37	56.25	74.00	-17.75	Peak	100	130	P
7	15960.00	15.18	27.84	43.02	54.00	-10.98	Average	100	304	P
8	15960.00	15.18	42.58	57.76	74.00	-16.24	Peak	100	304	P

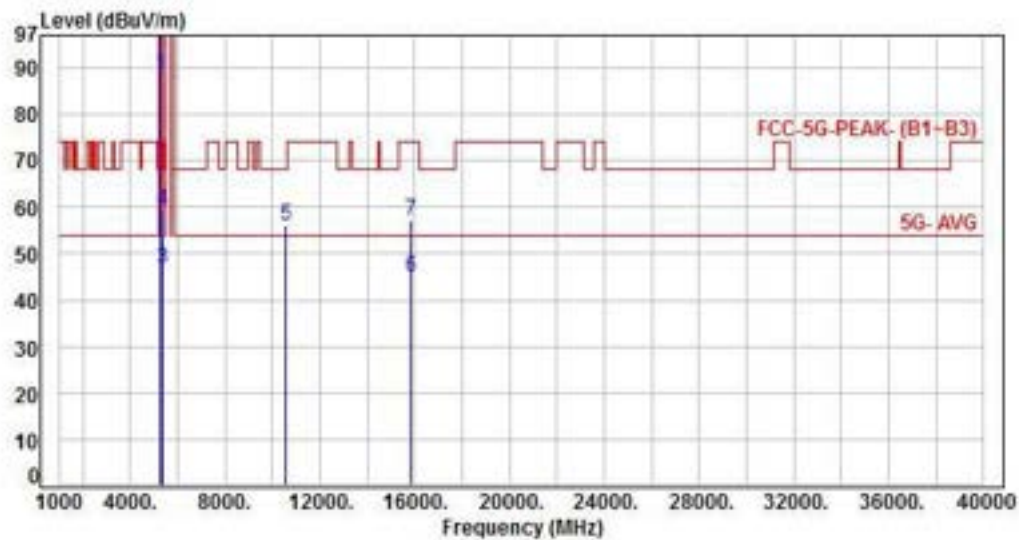
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 2, CH54		:	



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	6.14	82.37	88.51	200.00	-111.49	Average	100	63	P
2	5270.00	6.14	92.03	98.17	200.00	-101.83	Peak	100	63	P
3	5350.00	6.27	40.52	46.79	54.00	-7.21	Average	100	63	P
4	5350.00	6.27	52.98	59.25	74.00	-14.75	Peak	100	63	P
5	10540.00	13.64	42.38	56.02	68.20	-12.18	Peak	100	225	P
6	15810.00	15.44	29.55	44.99	54.00	-9.01	Average	100	80	P
7	15810.00	15.44	41.65	57.09	74.00	-16.91	Peak	100	80	P

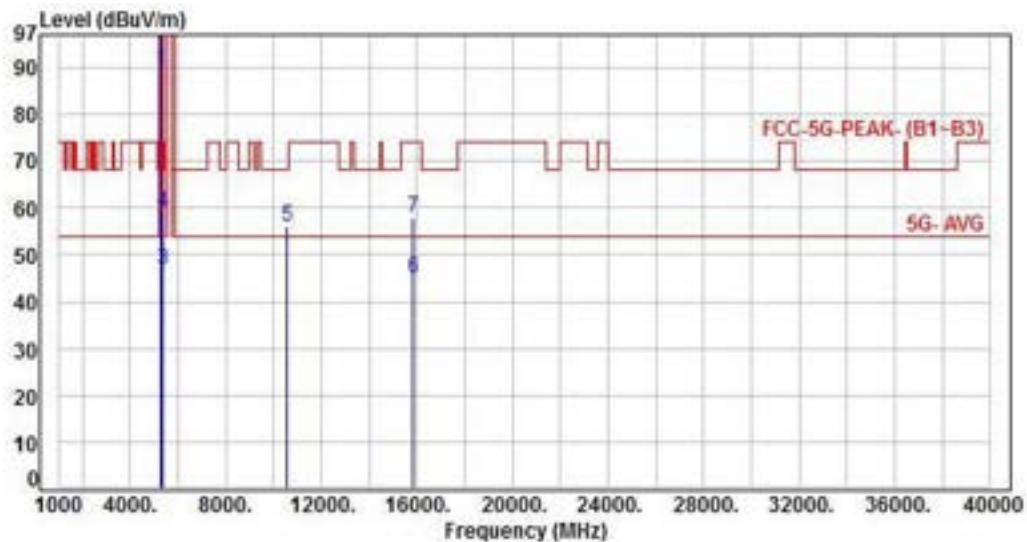
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 2, CH54		:	



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	6.14	83.62	89.76	200.00	-110.24	Average	107	21	P
2	5270.00	6.14	93.11	99.25	200.00	-100.75	Peak	107	21	P
3	5350.00	6.27	40.47	46.74	54.00	-7.26	Average	107	21	P
4	5350.00	6.27	52.69	58.96	74.00	-15.04	Peak	107	21	P
5	10540.00	13.64	42.46	56.10	68.20	-12.10	Peak	100	134	P
6	15810.00	15.44	29.55	44.99	54.00	-9.01	Average	100	305	P
7	15810.00	15.44	42.32	57.76	74.00	-16.24	Peak	100	305	P

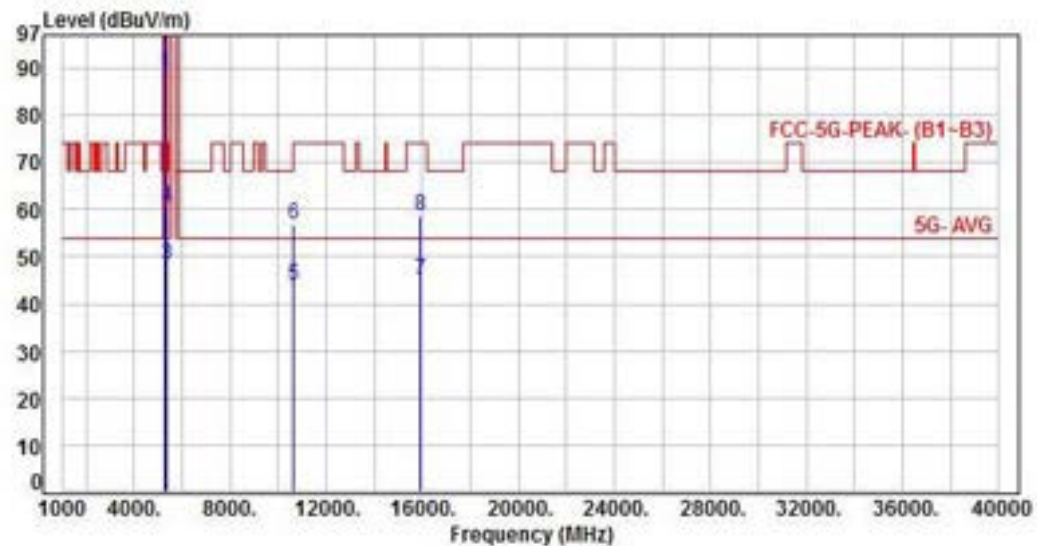
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 2, CH62		:	



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	6.24	82.53	88.77	200.00	-111.23	Average	100	64	P
2	5310.00	6.24	92.05	98.29	200.00	-101.71	Peak	100	64	P
3	5350.00	6.27	42.18	48.45	54.00	-5.55	Average	100	64	P
4	5350.00	6.27	54.30	60.57	74.00	-13.43	Peak	100	64	P
5	10620.00	13.86	29.91	43.77	54.00	-10.23	Average	100	226	P
6	10620.00	13.86	42.82	56.68	74.00	-17.32	Peak	100	226	P
7	15930.00	15.34	29.68	45.02	54.00	-8.98	Average	100	82	P
8	15930.00	15.34	43.18	58.52	74.00	-15.48	Peak	100	82	P

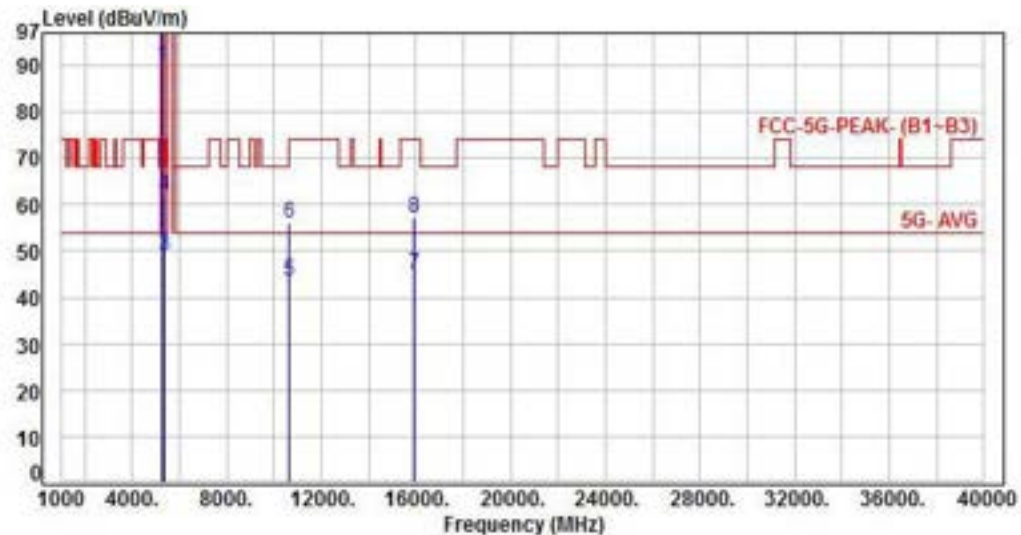
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 2, CH62		:	



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	6.24	83.64	89.88	200.00	-110.12	Average	100	23	P
2	5310.00	6.24	93.57	99.81	200.00	-100.19	Peak	100	23	P
3	5350.00	6.27	42.61	48.88	54.00	-5.12	Average	100	23	P
4	5350.00	6.27	55.64	61.91	74.00	-12.09	Peak	100	23	P
5	10620.00	13.86	29.60	43.46	54.00	-10.54	Average	100	132	P
6	10620.00	13.86	42.06	55.92	74.00	-18.08	Peak	100	132	P
7	15930.00	15.34	29.84	45.18	54.00	-8.82	Average	100	304	P
8	15930.00	15.34	41.76	57.10	74.00	-16.90	Peak	100	304	P

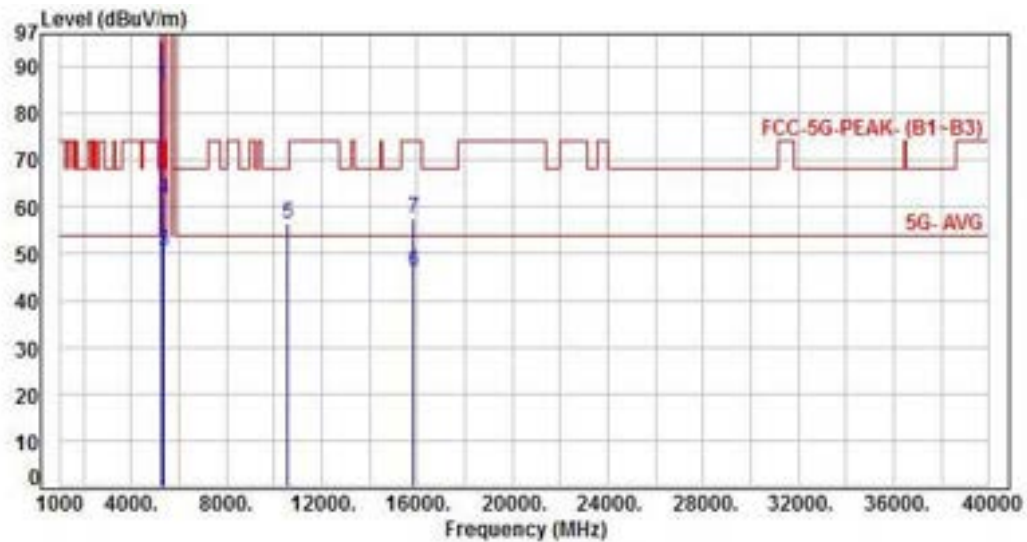
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 2, CH58		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	6.20	79.62	85.82	200.00	-114.18	Average	100	62	P
2	5290.00	6.20	89.14	95.34	200.00	-104.66	Peak	100	62	P
3	5350.00	6.27	44.38	50.65	54.00	-3.35	Average	100	62	P
4	5350.00	6.27	55.19	61.46	74.00	-12.54	Peak	100	62	P
5	10580.00	13.76	42.58	56.34	68.20	-11.86	Peak	100	228	P
6	15870.00	15.49	30.72	46.21	54.00	-7.79	Average	100	78	P
7	15870.00	15.49	41.93	57.42	74.00	-16.58	Peak	100	78	P

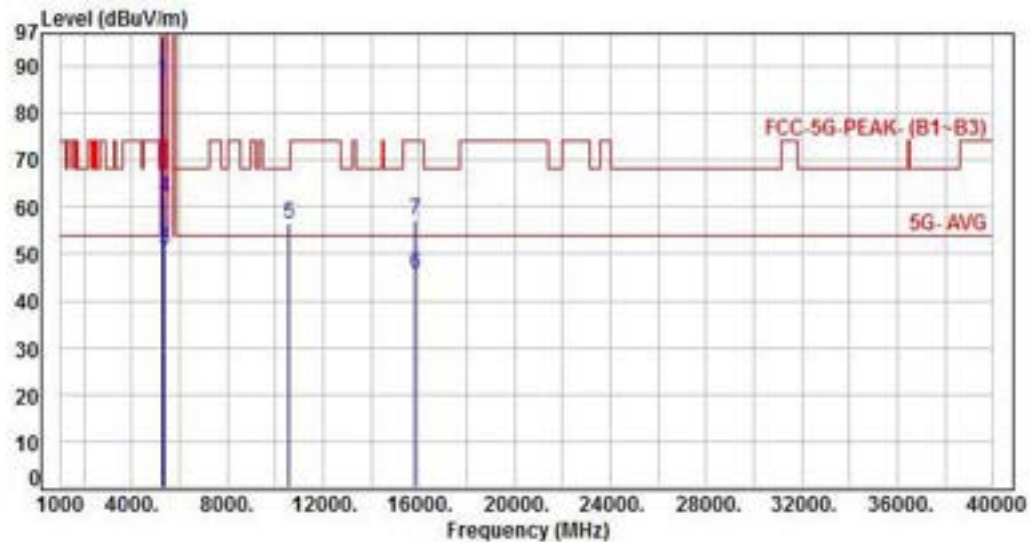
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 2, CH58		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	6.20	80.84	87.04	200.00	-112.96	Average	110	21	P
2	5290.00	6.20	90.04	96.24	200.00	-103.76	Peak	110	21	P
3	5350.00	6.27	44.77	51.04	54.00	-2.96	Average	110	21	P
4	5350.00	6.27	55.60	61.87	74.00	-12.13	Peak	110	21	P
5	10580.00	13.76	42.61	56.37	68.20	-11.83	Peak	100	133	P
6	15870.00	15.49	30.27	45.76	54.00	-8.24	Average	100	301	P
7	15870.00	15.49	41.83	57.32	74.00	-16.68	Peak	100	301	P

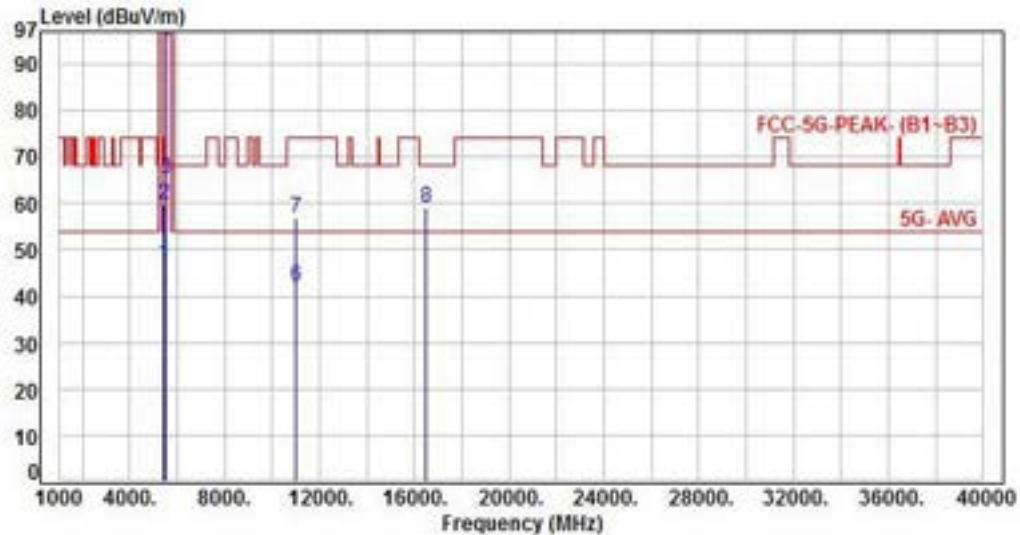
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH100		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.23	46.90	54.00	-7.10	Average	122	67	P
2	5460.00	6.67	53.23	59.90	74.00	-14.10	Peak	122	67	P
3	5470.00	6.68	58.56	65.24	68.20	-2.96	Peak	122	67	P
4	5500.00	6.70	88.04	94.74	200.00	-105.26	Average	122	67	P
5	5500.00	6.70	97.37	104.07	200.00	-95.93	Peak	122	67	P
6	11000.00	14.28	27.67	41.95	54.00	-12.05	Average	100	224	P
7	11000.00	14.28	42.54	56.82	74.00	-17.18	Peak	100	224	P
8	16500.00	16.53	42.50	59.03	68.20	-9.17	Peak	100	83	P

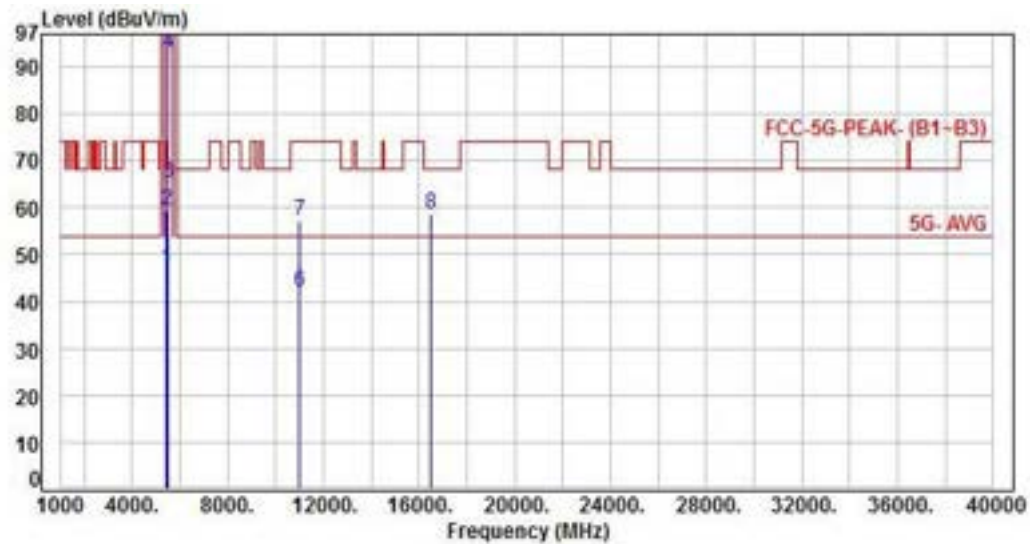
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH100		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.15	46.82	54.00	-7.18	Average	118	14	P
2	5460.00	6.67	52.83	59.50	74.00	-14.50	Peak	118	14	P
3	5470.00	6.68	58.53	65.21	68.20	-2.99	Peak	118	14	P
4	5500.00	6.70	86.12	92.82	200.00	-107.18	Average	118	14	P
5	5500.00	6.70	95.62	102.32	200.00	-97.68	Peak	118	14	P
6	11000.00	14.28	27.84	42.12	54.00	-11.88	Average	100	137	P
7	11000.00	14.28	42.95	57.23	74.00	-16.77	Peak	100	137	P
8	16500.00	16.53	42.14	58.67	68.20	-9.53	Peak	100	304	P

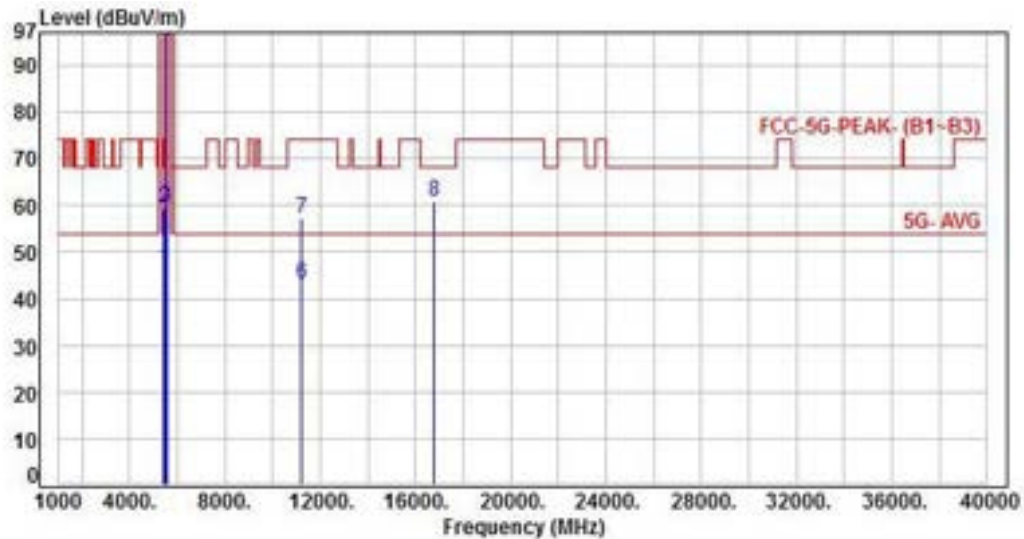
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	39.89	46.56	54.00	-7.44	Average	100	71	P
2	5460.00	6.67	52.64	59.31	74.00	-14.69	Peak	100	71	P
3	5470.00	6.68	52.89	59.57	68.20	-8.63	Peak	100	71	P
4	5600.00	6.58	88.52	95.10	200.00	-104.90	Average	100	71	P
5	5600.00	6.58	98.05	104.63	200.00	-95.37	Peak	100	71	P
6	11200.00	14.51	28.60	43.11	54.00	-10.89	Average	100	226	P
7	11200.00	14.51	42.64	57.15	74.00	-16.85	Peak	100	226	P
8	16800.00	18.55	42.38	60.93	68.20	-7.27	Peak	100	74	P

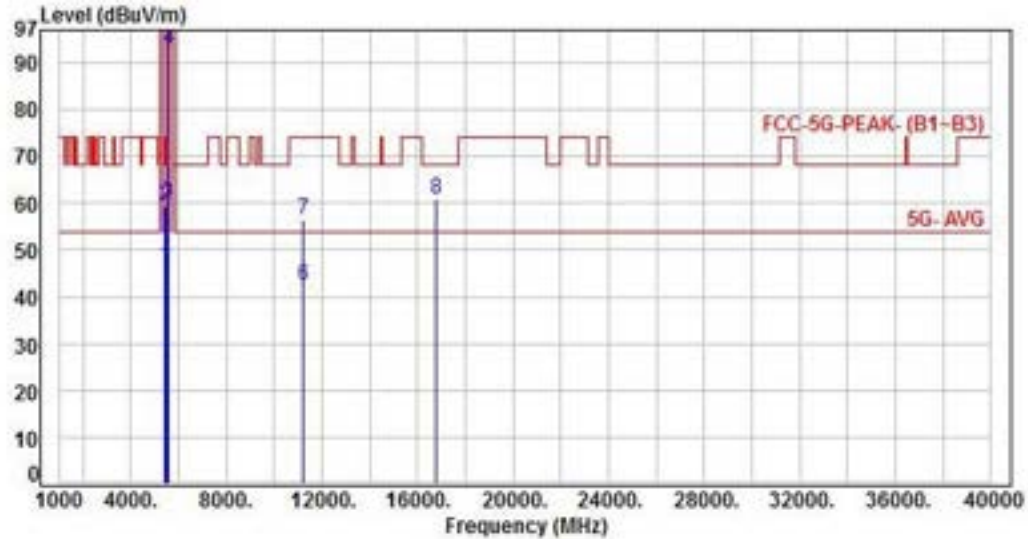
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	39.96	46.63	54.00	-7.37	Average	113	19	P
2	5460.00	6.67	52.81	59.48	74.00	-14.52	Peak	113	19	P
3	5470.00	6.68	53.44	60.12	68.20	-8.08	Peak	113	19	P
4	5600.00	6.58	86.26	92.84	200.00	-107.16	Average	113	19	P
5	5600.00	6.58	95.70	102.28	200.00	-97.72	Peak	113	19	P
6	11200.00	14.51	27.98	42.49	54.00	-11.51	Average	100	135	P
7	11200.00	14.51	41.76	56.27	74.00	-17.73	Peak	100	135	P
8	16800.00	18.55	42.19	60.74	68.20	-7.46	Peak	100	305	P

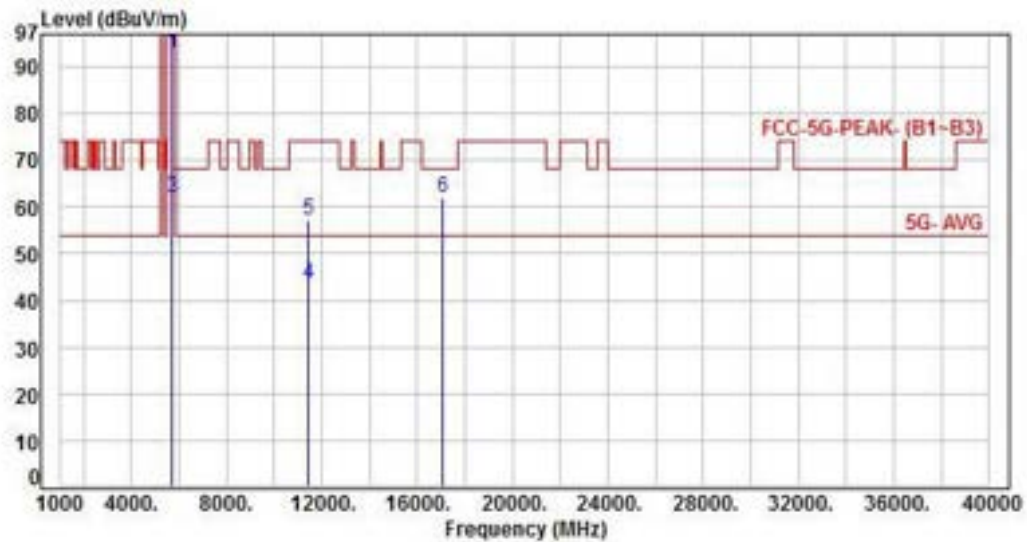
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.56	86.22	92.78	200.00	-107.22	Average	102	72	P
2	5700.00	6.56	95.60	102.16	200.00	-97.84	Peak	102	72	P
3	5725.00	6.63	55.27	61.90	68.20	-6.30	Peak	102	72	P
4	11400.00	14.84	28.76	43.60	54.00	-10.40	Average	100	225	P
5	11400.00	14.84	42.37	57.21	74.00	-16.79	Peak	100	225	P
6	17100.00	20.11	41.94	62.05	68.20	-6.15	Peak	100	81	P

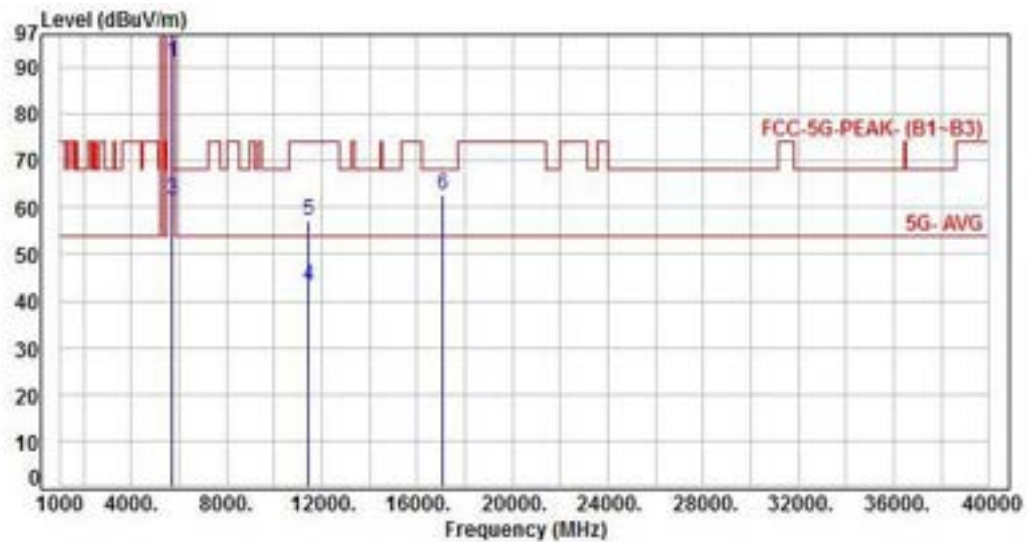
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.56	84.46	91.02	200.00	-108.98	Average	126	20	P
2	5700.00	6.56	93.83	100.39	200.00	-99.61	Peak	126	20	P
3	5725.00	6.63	55.13	61.76	68.20	-6.44	Peak	126	20	P
4	11400.00	14.84	28.22	43.06	54.00	-10.94	Average	100	130	P
5	11400.00	14.84	42.36	57.20	74.00	-16.80	Peak	100	130	P
6	17100.00	20.11	42.63	62.74	68.20	-5.46	Peak	100	296	P

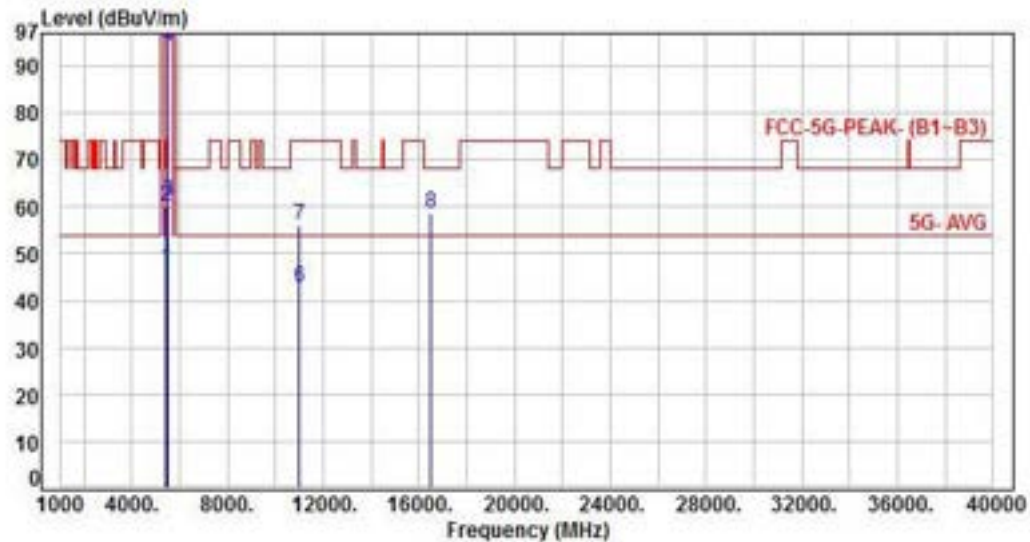
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 3, CH100		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.20	46.87	54.00	-7.13	Average	112	66	P
2	5460.00	6.67	53.35	60.02	74.00	-13.98	Peak	112	66	P
3	5470.00	6.68	54.59	61.27	68.20	-6.93	Peak	112	66	P
4	5500.00	6.70	87.50	94.20	200.00	-105.80	Average	112	66	P
5	5500.00	6.70	97.54	104.24	200.00	-95.76	Peak	112	66	P
6	11000.00	14.28	28.35	42.63	54.00	-11.37	Average	100	228	P
7	11000.00	14.28	41.72	56.00	74.00	-18.00	Peak	100	228	P
8	16500.00	16.53	42.19	58.72	68.20	-9.48	Peak	100	77	P

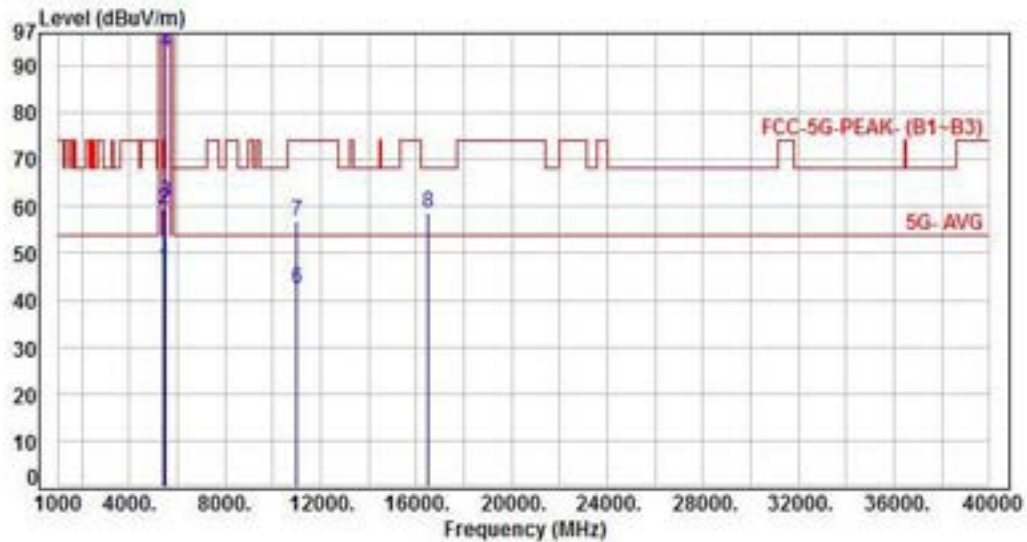
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 3, CH100		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.07	46.74	54.00	-7.26	Average	117	16	P
2	5460.00	6.67	52.58	59.25	74.00	-14.75	Peak	117	16	P
3	5470.00	6.68	54.19	60.87	68.20	-7.33	Peak	117	16	P
4	5500.00	6.70	86.23	92.93	200.00	-107.07	Average	117	16	P
5	5500.00	6.70	96.21	102.91	200.00	-97.09	Peak	117	16	P
6	11000.00	14.28	28.07	42.35	54.00	-11.65	Average	100	132	P
7	11000.00	14.28	42.40	56.68	74.00	-17.32	Peak	100	132	P
8	16500.00	16.53	41.93	58.46	68.20	-9.74	Peak	100	300	P

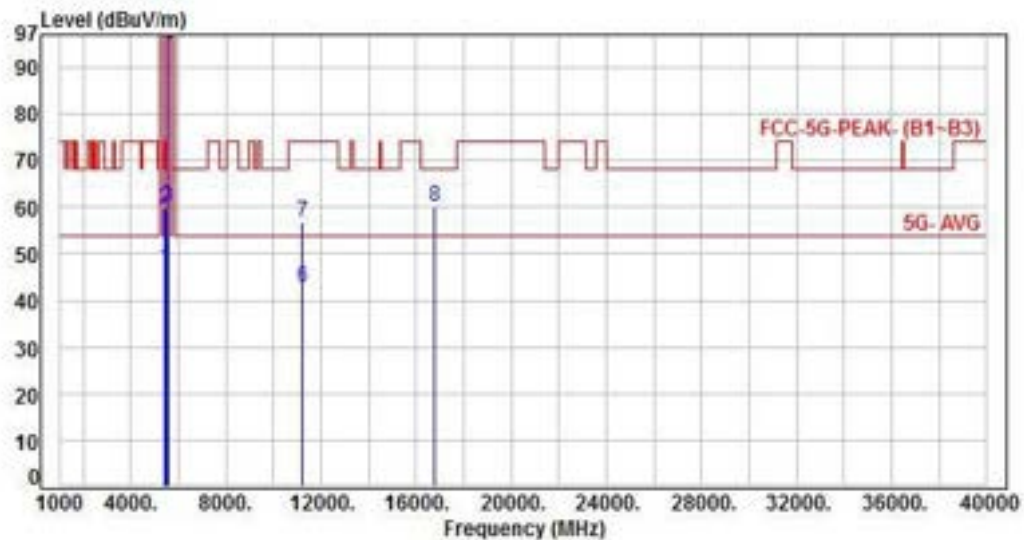
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.06	46.73	54.00	-7.27	Average	100	72	P
2	5460.00	6.67	52.96	59.63	74.00	-14.37	Peak	100	72	P
3	5470.00	6.68	53.35	60.03	68.20	-8.17	Peak	100	72	P
4	5600.00	6.58	88.05	94.63	200.00	-105.37	Average	100	72	P
5	5600.00	6.58	98.08	104.66	200.00	-95.34	Peak	100	72	P
6	11200.00	14.51	28.43	42.94	54.00	-11.06	Average	100	229	P
7	11200.00	14.51	42.31	56.82	74.00	-17.18	Peak	100	229	P
8	16800.00	18.55	41.58	60.13	68.20	-8.07	Peak	100	76	P

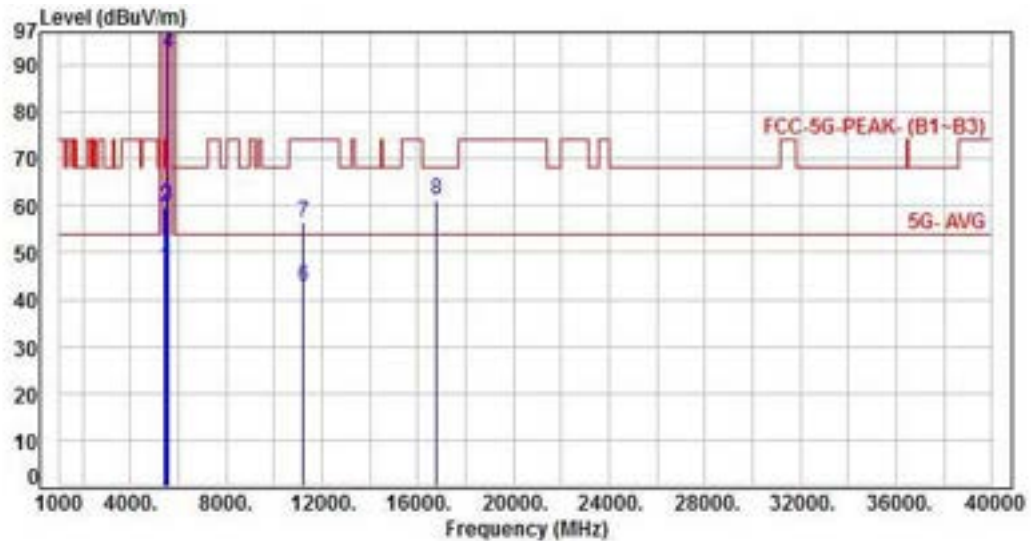
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.17	46.84	54.00	-7.16	Average	104	18	P
2	5460.00	6.67	53.03	59.70	74.00	-14.30	Peak	104	18	P
3	5470.00	6.68	53.53	60.21	68.20	-7.99	Peak	104	18	P
4	5600.00	6.58	85.94	92.52	200.00	-107.48	Average	104	18	P
5	5600.00	6.58	95.85	102.43	200.00	-97.57	Peak	104	18	P
6	11200.00	14.51	28.16	42.67	54.00	-11.33	Average	100	131	P
7	11200.00	14.51	41.84	56.35	74.00	-17.65	Peak	100	131	P
8	16800.00	18.55	42.55	61.10	68.20	-7.10	Peak	100	310	P

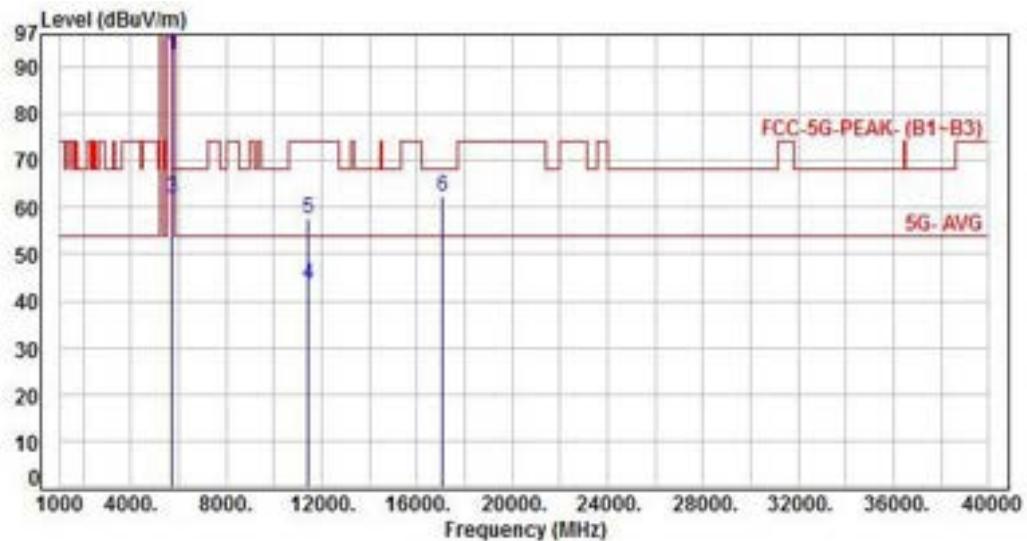
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.56	85.89	92.45	200.00	-107.55	Average	104	72	P
2	5700.00	6.56	95.57	102.13	200.00	-97.87	Peak	104	72	P
3	5725.00	6.63	55.22	61.85	68.20	-6.35	Peak	104	72	P
4	11400.00	14.84	28.59	43.43	54.00	-10.57	Average	100	228	P
5	11400.00	14.84	42.82	57.66	74.00	-16.34	Peak	100	228	P
6	17100.00	20.11	42.38	62.49	68.20	-5.71	Peak	100	79	P

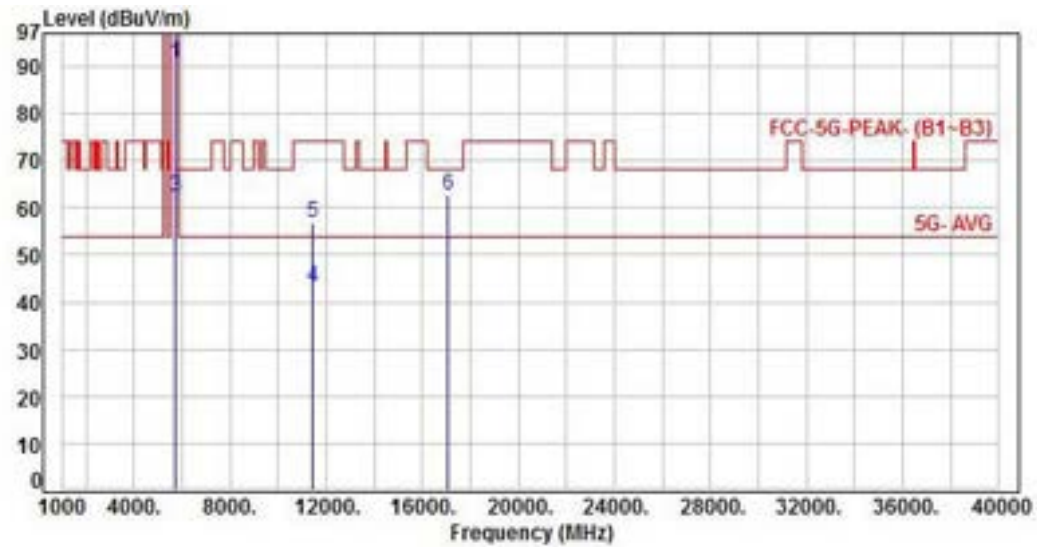
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.56	84.00	90.56	200.00	-109.44	Average	120	22	P
2	5700.00	6.56	94.33	100.89	200.00	-99.11	Peak	120	22	P
3	5725.00	6.63	55.57	62.20	68.20	-6.00	Peak	120	22	P
4	11400.00	14.84	28.46	43.30	54.00	-10.70	Average	100	133	P
5	11400.00	14.84	41.83	56.67	74.00	-17.33	Peak	100	133	P
6	17100.00	20.11	42.73	62.84	68.20	-5.36	Peak	100	301	P

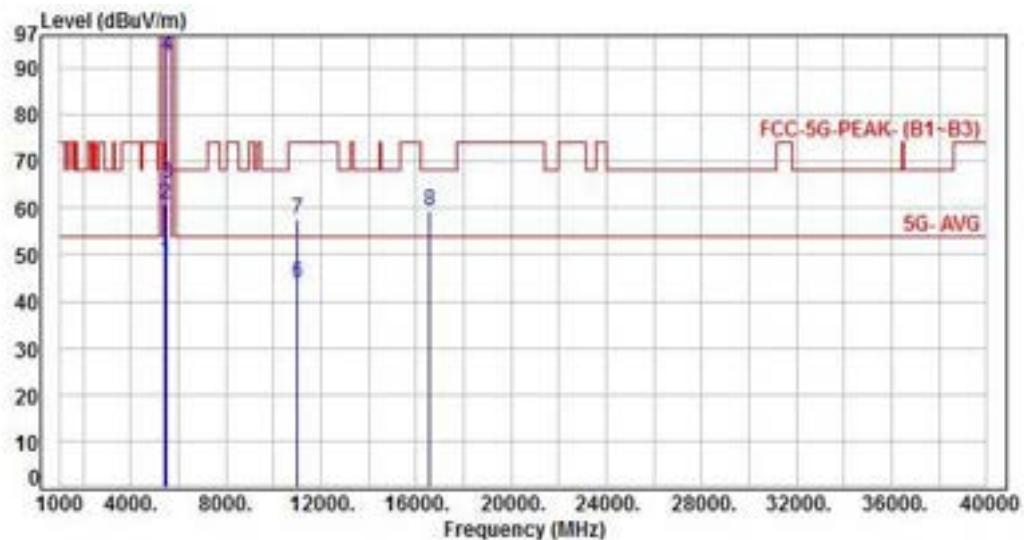
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH102		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	42.06	48.73	54.00	-5.27	Average	100	67	P
2	5460.00	6.67	54.18	60.85	74.00	-13.15	Peak	100	67	P
3	5470.00	6.68	58.48	65.16	68.20	-3.04	Peak	100	67	P
4	5510.00	6.71	86.05	92.76	200.00	-107.24	Average	100	67	P
5	5510.00	6.71	95.32	102.03	200.00	-97.97	Peak	100	67	P
6	11020.00	14.31	29.61	43.92	54.00	-10.08	Average	100	226	P
7	11020.00	14.31	43.08	57.39	74.00	-16.61	Peak	100	226	P
8	16530.00	16.84	42.61	59.45	68.20	-8.75	Peak	100	84	P

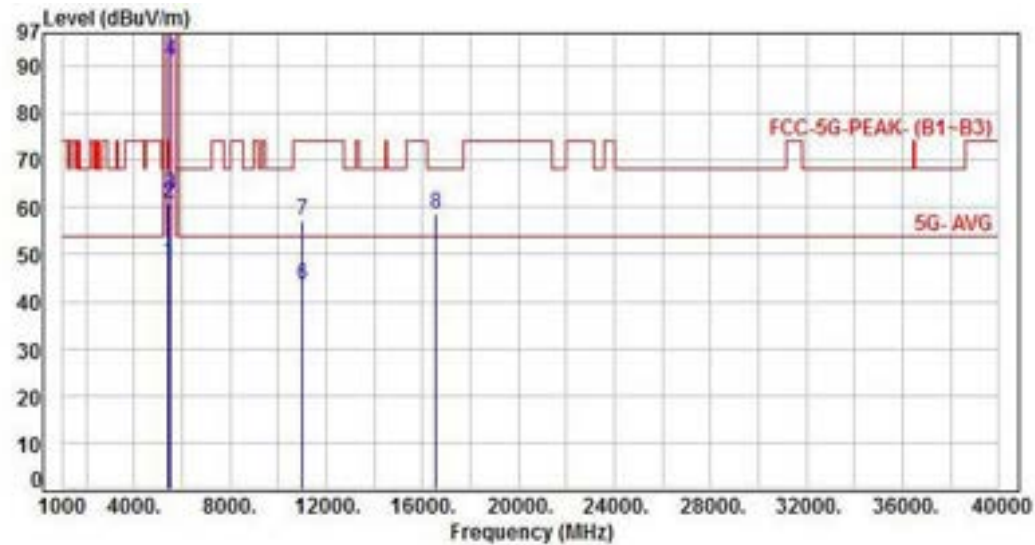
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH102		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	41.74	48.41	54.00	-5.59	Average	100	15	P
2	5460.00	6.67	54.14	60.81	74.00	-13.19	Peak	100	15	P
3	5470.00	6.68	55.86	62.54	68.20	-5.66	Peak	100	15	P
4	5510.00	6.71	84.34	91.05	200.00	-108.95	Average	100	15	P
5	5510.00	6.71	93.31	100.02	200.00	-99.98	Peak	100	15	P
6	11020.00	14.31	29.30	43.61	54.00	-10.39	Average	100	136	P
7	11020.00	14.31	42.70	57.01	74.00	-16.99	Peak	100	136	P
8	16530.00	16.84	41.93	58.77	68.20	-9.43	Peak	100	299	P

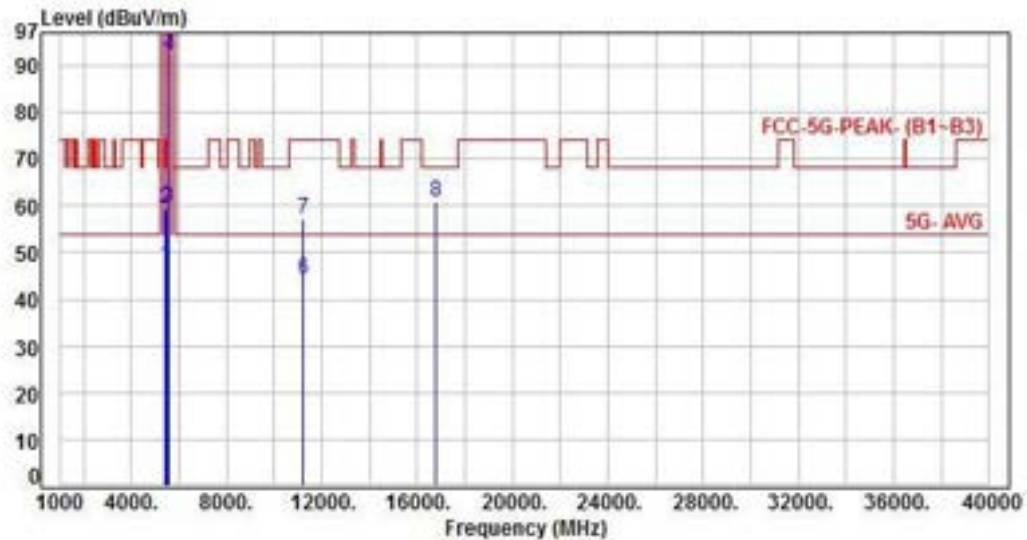
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH118		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.66	47.33	54.00	-6.67	Average	100	70	P
2	5460.00	6.67	52.84	59.51	74.00	-14.49	Peak	100	70	P
3	5470.00	6.68	53.10	59.78	68.20	-8.42	Peak	100	70	P
4	5590.00	6.61	85.65	92.26	200.00	-107.74	Average	100	70	P
5	5590.00	6.61	95.08	101.69	200.00	-98.31	Peak	100	70	P
6	11180.00	14.50	29.73	44.23	54.00	-9.77	Average	100	229	P
7	11180.00	14.50	42.83	57.33	74.00	-16.67	Peak	100	229	P
8	16770.00	18.32	42.40	60.72	68.20	-7.48	Peak	100	80	P

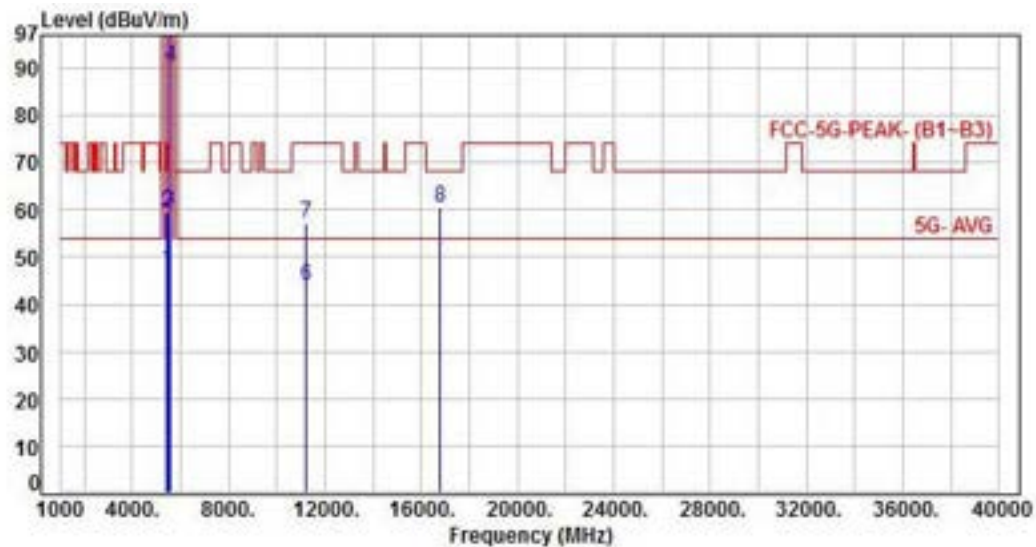
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH118		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.61	47.28	54.00	-6.72	Average	100	20	P
2	5460.00	6.67	52.88	59.55	74.00	-14.45	Peak	100	20	P
3	5470.00	6.68	53.24	59.92	68.20	-8.28	Peak	100	20	P
4	5590.00	6.61	83.60	90.21	200.00	-109.79	Average	100	20	P
5	5590.00	6.61	93.48	100.09	200.00	-99.91	Peak	100	20	P
6	11180.00	14.50	29.39	43.89	54.00	-10.11	Average	100	133	P
7	11180.00	14.50	42.50	57.00	74.00	-17.00	Peak	100	133	P
8	16770.00	18.32	42.26	60.58	68.20	-7.62	Peak	100	303	P

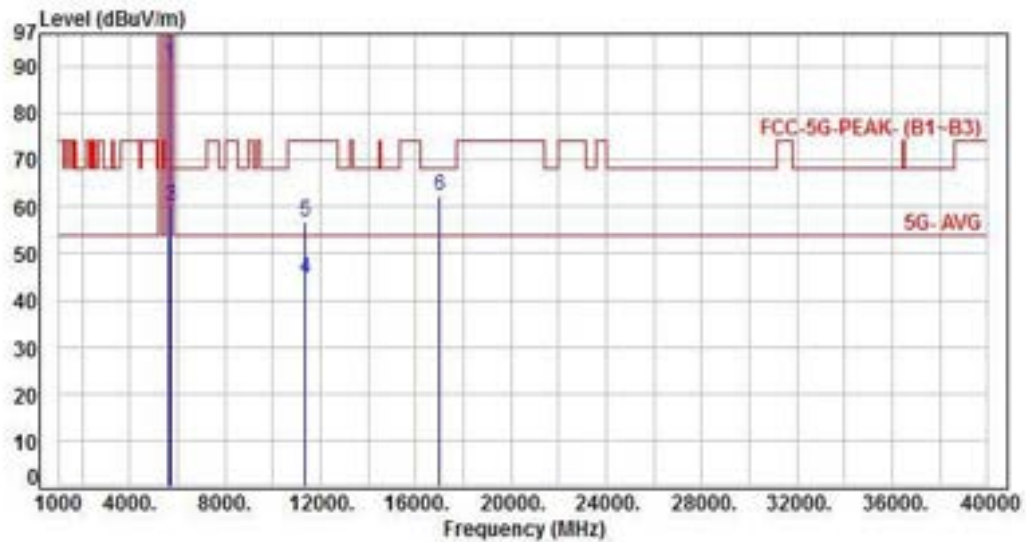
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH134		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5670.00	6.53	83.77	90.30	200.00	-109.70	Average	104	76	P
2	5670.00	6.53	93.70	100.23	200.00	-99.77	Peak	104	76	P
3	5725.00	6.63	53.45	60.08	68.20	-8.12	Peak	104	76	P
4	11340.00	14.68	29.85	44.53	54.00	-9.47	Average	100	224	P
5	11340.00	14.68	41.96	56.64	74.00	-17.36	Peak	100	224	P
6	17010.00	19.98	42.50	62.48	68.20	-5.72	Peak	100	81	P

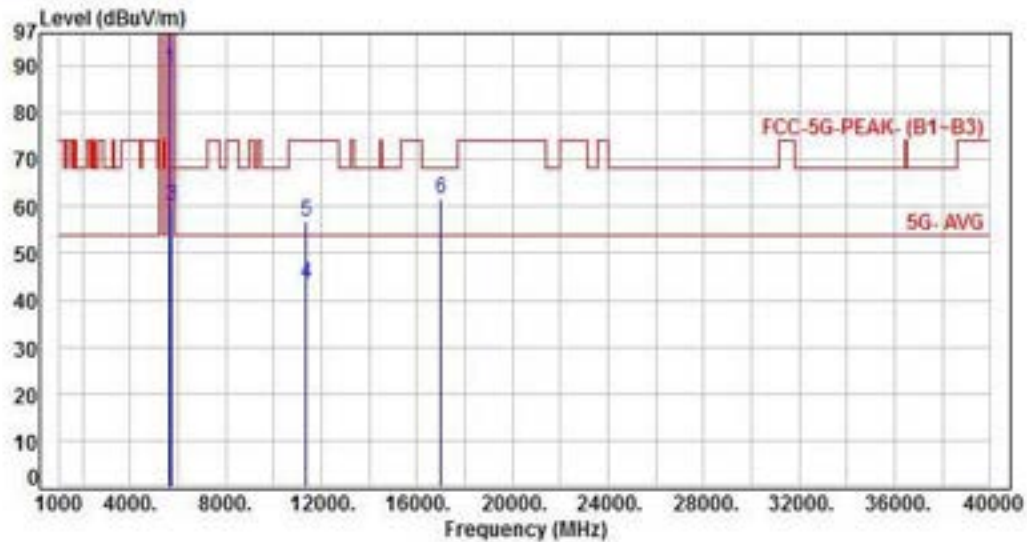
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH134		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5670.00	6.53	82.63	89.16	200.00	-110.84	Average	119	19	P
2	5670.00	6.53	92.41	98.94	200.00	-101.06	Peak	119	19	P
3	5725.00	6.63	53.34	59.97	68.20	-8.23	Peak	119	19	P
4	11340.00	14.68	28.96	43.64	54.00	-10.36	Average	100	136	P
5	11340.00	14.68	41.94	56.62	74.00	-17.38	Peak	100	136	P
6	17010.00	19.98	41.59	61.57	68.20	-6.63	Peak	100	306	P

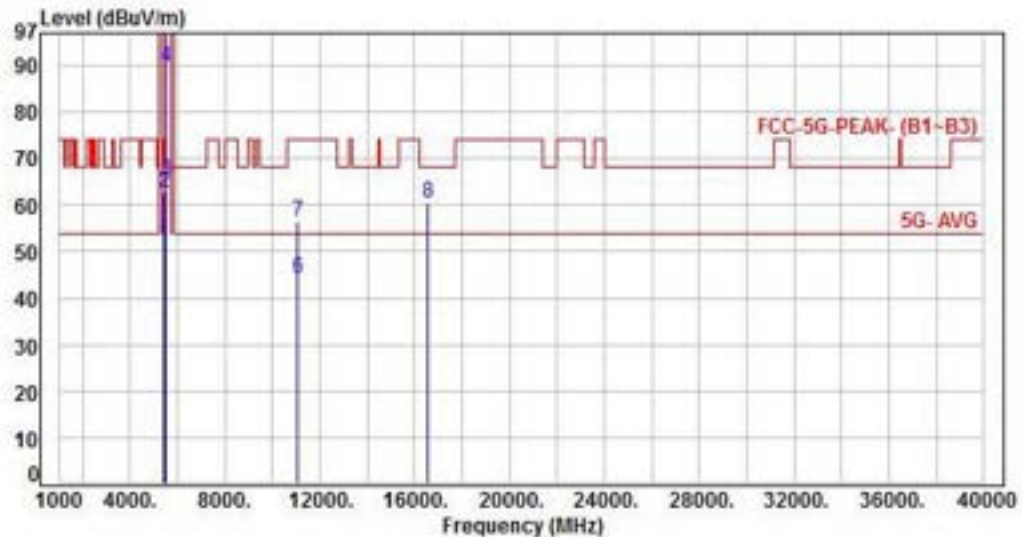
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 3, CH106		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	45.15	51.82	54.00	-2.18	Average	100	70	P
2	5460.00	6.67	56.03	62.70	74.00	-11.30	Peak	100	70	P
3	5470.00	6.68	58.66	65.34	68.20	-2.86	Peak	100	70	P
4	5530.00	6.72	82.74	89.46	200.00	-110.54	Average	100	70	P
5	5530.00	6.72	92.36	99.08	200.00	-100.92	Peak	100	70	P
6	11060.00	14.38	29.83	44.21	54.00	-9.79	Average	100	228	P
7	11060.00	14.38	41.90	56.28	74.00	-17.72	Peak	100	228	P
8	16590.00	17.43	42.92	60.35	68.20	-7.85	Peak	100	79	P

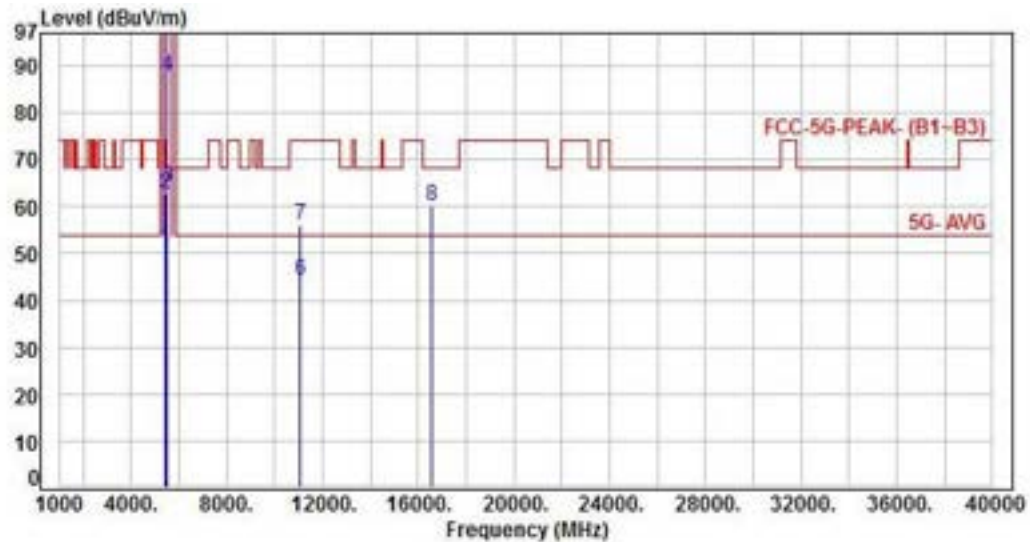
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 3, CH106		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	44.73	51.40	54.00	-2.60	Average	109	14	P
2	5460.00	6.67	55.94	62.61	74.00	-11.39	Peak	109	14	P
3	5470.00	6.68	57.62	64.30	68.20	-3.90	Peak	109	14	P
4	5530.00	6.72	80.98	87.70	200.00	-112.30	Average	109	14	P
5	5530.00	6.72	90.42	97.14	200.00	-102.86	Peak	109	14	P
6	11060.00	14.38	29.92	44.30	54.00	-9.70	Average	100	131	P
7	11060.00	14.38	41.85	56.23	74.00	-17.77	Peak	100	131	P
8	16590.00	17.43	42.61	60.04	68.20	-8.16	Peak	100	305	P

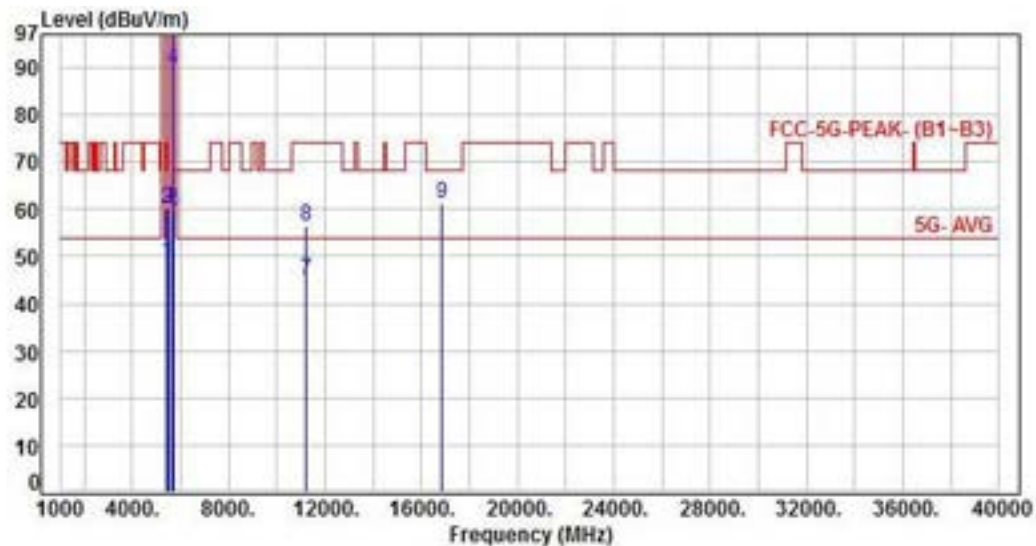
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 3, CH122		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	41.87	48.54	54.00	-5.46	Average	101	71	P
2	5460.00	6.67	53.48	60.15	74.00	-13.85	Peak	101	71	P
3	5470.00	6.68	53.59	60.27	68.20	-7.93	Peak	101	71	P
4	5610.00	6.57	83.06	89.63	200.00	-110.37	Average	101	71	P
5	5610.00	6.57	92.00	98.57	200.00	-101.43	Peak	101	71	P
6	5725.00	6.63	53.06	59.69	68.20	-8.51	Peak	101	71	P
7	11220.00	14.53	30.49	45.02	54.00	-8.98	Average	100	228	P
8	11220.00	14.53	42.07	56.60	74.00	-17.40	Peak	100	228	P
9	16830.00	18.82	42.59	61.41	68.20	-6.79	Peak	100	83	P

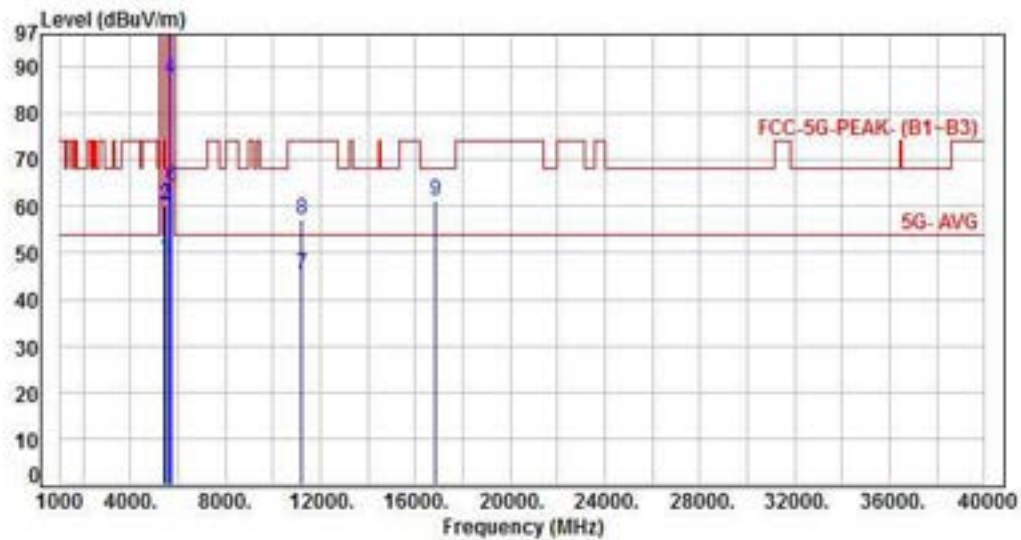
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 3, CH122		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	41.98	48.65	54.00	-5.35	Average	105	18	P
2	5460.00	6.67	53.38	60.05	74.00	-13.95	Peak	105	18	P
3	5470.00	6.68	53.96	60.64	68.20	-7.56	Peak	105	18	P
4	5610.00	6.57	80.95	87.52	200.00	-112.48	Average	105	18	P
5	5610.00	6.57	90.64	97.21	200.00	-102.79	Peak	105	18	P
6	5725.00	6.63	57.72	64.35	68.20	-3.85	Peak	105	18	P
7	11220.00	14.53	30.92	45.45	54.00	-8.55	Average	100	137	P
8	11220.00	14.53	42.73	57.26	74.00	-16.74	Peak	100	137	P
9	16830.00	18.82	42.45	61.27	68.20	-6.93	Peak	100	299	P

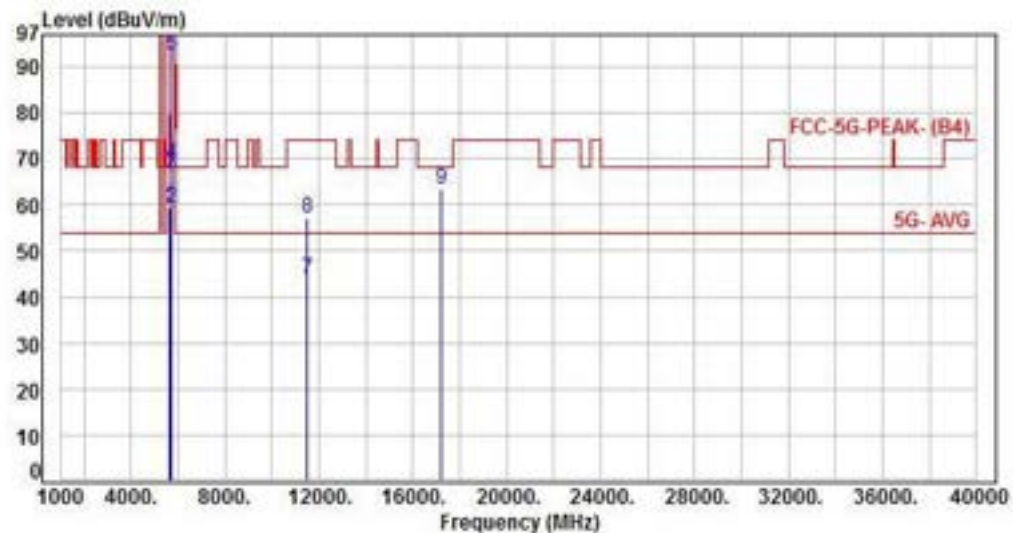
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH149		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.72	59.24	68.20	-8.96	Peak	100	84	P
2	5700.00	6.56	52.77	59.33	105.20	-45.87	Peak	100	84	P
3	5720.00	6.61	60.24	66.85	110.80	-43.95	Peak	100	84	P
4	5725.00	6.63	62.27	68.90	122.20	-53.30	Peak	100	84	P
5	5745.00	6.68	85.74	92.42	200.00	-107.58	Average	100	84	P
6	5745.00	6.68	95.08	101.76	200.00	-98.24	Peak	100	84	P
7	11490.00	15.08	28.64	43.72	54.00	-10.28	Average	100	226	P
8	11490.00	15.08	41.93	57.01	74.00	-16.99	Peak	100	226	P
9	17235.00	20.94	42.31	63.25	68.20	-4.95	Peak	100	87	P

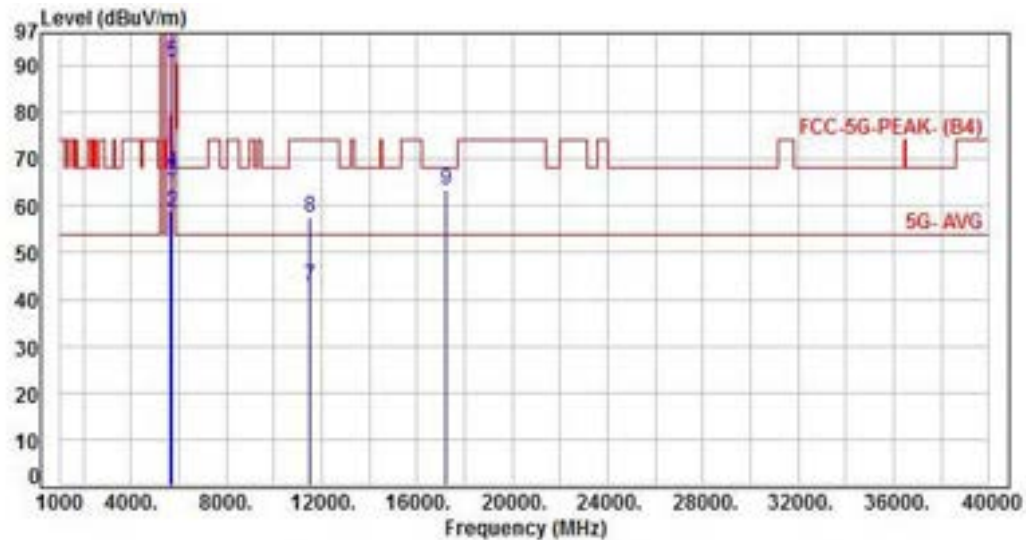
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 4, CH149		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.53	59.05	68.20	-9.15	Peak	100	19	P
2	5700.00	6.56	52.24	58.80	105.20	-46.40	Peak	100	19	P
3	5720.00	6.61	58.59	65.20	110.80	-45.60	Peak	100	19	P
4	5725.00	6.63	60.45	67.08	122.20	-55.12	Peak	100	19	P
5	5745.00	6.68	84.20	90.88	200.00	-109.12	Average	100	19	P
6	5745.00	6.68	93.51	100.19	200.00	-99.81	Peak	100	19	P
7	11490.00	15.08	27.77	42.85	54.00	-11.15	Average	100	136	P
8	11490.00	15.08	42.51	57.59	74.00	-16.41	Peak	100	136	P
9	17235.00	20.94	42.47	63.41	68.20	-4.79	Peak	100	309	P

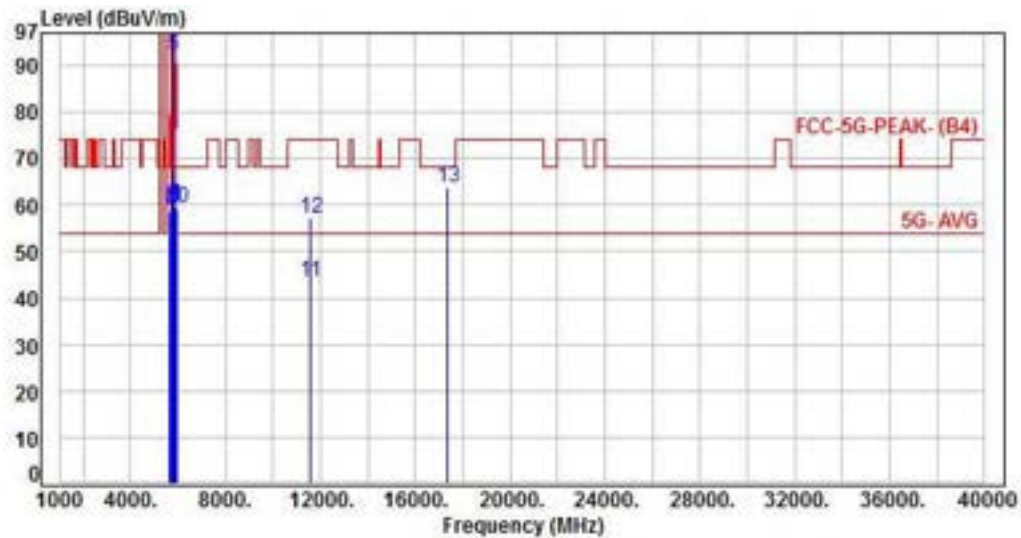
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.25	58.77	68.20	-9.43	Peak	100	85	P
2	5700.00	6.56	52.37	58.93	105.20	-46.27	Peak	100	85	P
3	5720.00	6.61	53.13	59.74	110.80	-51.06	Peak	100	85	P
4	5725.00	6.63	52.42	59.05	122.20	-63.15	Peak	100	85	P
5	5785.00	6.64	85.53	92.17	200.00	-107.83	Average	100	85	P
6	5785.00	6.64	94.86	101.50	200.00	-98.50	Peak	100	85	P
7	5850.00	6.76	53.09	59.85	122.20	-62.35	Peak	100	85	P
8	5855.00	6.78	52.72	59.50	110.80	-51.30	Peak	100	85	P
9	5875.00	6.83	53.31	60.14	105.20	-45.06	Peak	100	85	P
10	5925.00	6.97	52.37	59.34	68.20	-8.86	Peak	100	85	P
11	11570.00	15.32	28.36	43.68	54.00	-10.32	Average	100	229	P
12	11570.00	15.32	41.82	57.14	74.00	-16.86	Peak	100	229	P
13	17355.00	21.54	42.16	63.70	68.20	-4.50	Peak	100	76	P

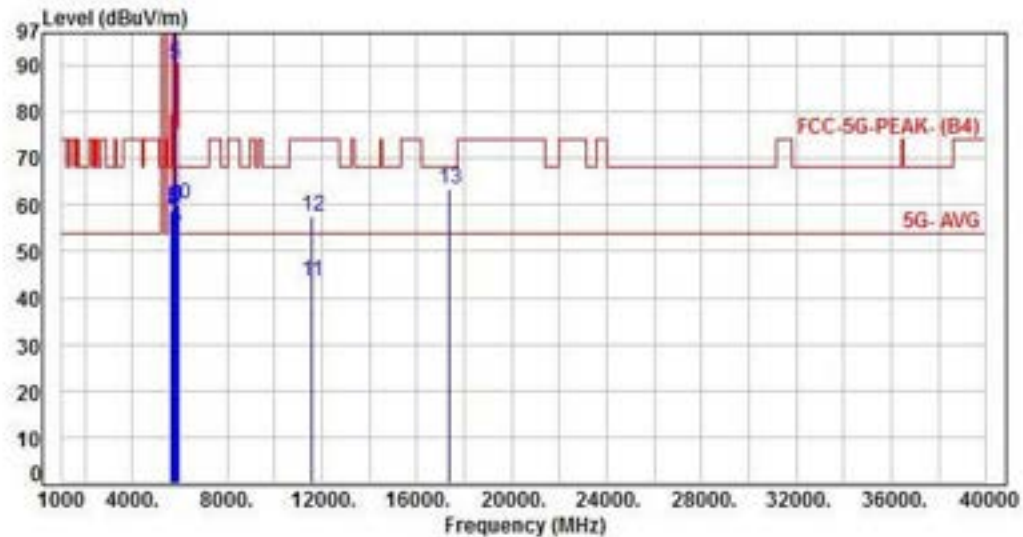
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.15	58.67	68.20	-9.53	Peak	100	25	P
2	5700.00	6.56	52.36	58.92	105.20	-46.28	Peak	100	25	P
3	5720.00	6.61	52.61	59.22	110.80	-51.58	Peak	100	25	P
4	5725.00	6.63	52.42	59.05	122.20	-63.15	Peak	100	25	P
5	5785.00	6.64	83.61	90.25	200.00	-109.75	Average	100	25	P
6	5785.00	6.64	93.17	99.81	200.00	-100.19	Peak	100	25	P
7	5850.00	6.76	46.23	52.99	122.20	-69.21	Peak	100	25	P
8	5855.00	6.78	53.14	59.92	110.80	-50.88	Peak	100	25	P
9	5875.00	6.83	52.61	59.44	105.20	-45.76	Peak	100	25	P
10	5925.00	6.97	53.21	60.18	68.20	-8.02	Peak	100	25	P
11	11570.00	15.32	28.36	43.68	54.00	-10.32	Average	100	136	P
12	11570.00	15.32	42.17	57.49	74.00	-16.51	Peak	100	136	P
13	17355.00	21.54	41.89	63.43	68.20	-4.77	Peak	100	302	P

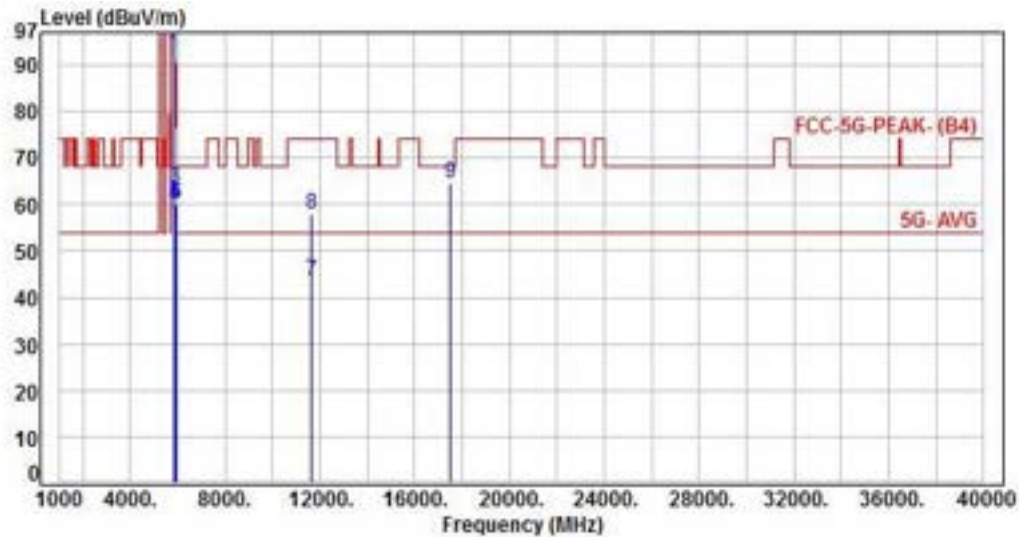
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH165		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.69	85.67	92.36	200.00	-107.64	Average	100	90	P
2	5825.00	6.69	94.95	101.64	200.00	-98.36	Peak	100	90	P
3	5850.00	6.76	56.81	63.57	122.20	-58.63	Peak	100	90	P
4	5855.00	6.78	53.51	60.29	110.80	-50.51	Peak	100	90	P
5	5875.00	6.83	53.13	59.96	105.20	-45.24	Peak	100	90	P
6	5925.00	6.97	53.12	60.09	68.20	-8.11	Peak	100	90	P
7	11650.00	15.44	28.18	43.62	54.00	-10.38	Average	100	229	P
8	11650.00	15.44	42.64	58.08	74.00	-15.92	Peak	100	229	P
9	17475.00	22.45	42.15	64.60	68.20	-3.60	Peak	100	74	P

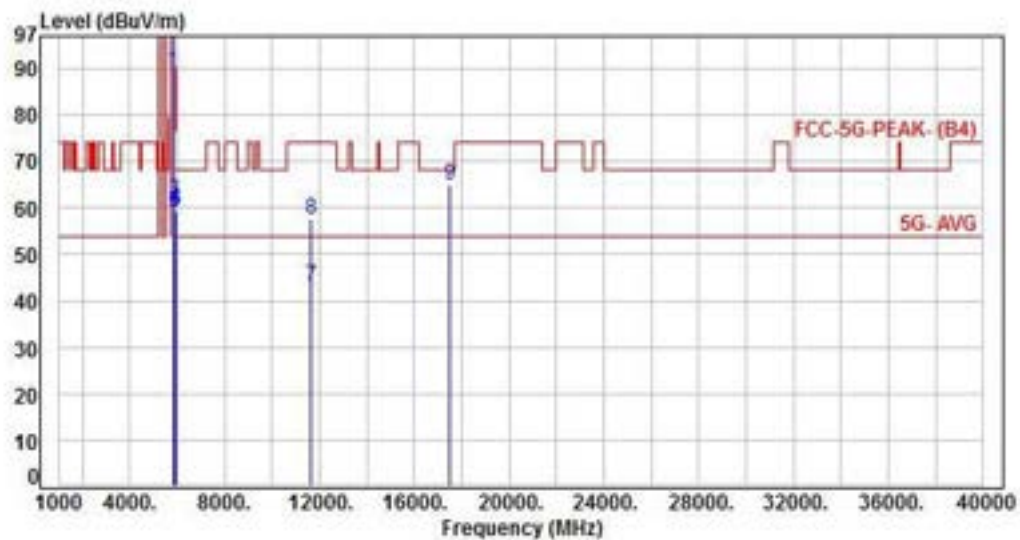
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 4, CH165		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.69	82.48	89.17	200.00	-110.83	Average	100	24	P
2	5825.00	6.69	91.66	98.35	200.00	-101.65	Peak	100	24	P
3	5850.00	6.76	54.67	61.43	122.20	-60.77	Peak	100	24	P
4	5855.00	6.78	52.80	59.58	110.80	-51.22	Peak	100	24	P
5	5875.00	6.83	52.24	59.07	105.20	-46.13	Peak	100	24	P
6	5925.00	6.97	52.55	59.52	68.20	-8.68	Peak	100	24	P
7	11650.00	15.44	27.69	43.13	54.00	-10.87	Average	100	135	P
8	11650.00	15.44	42.13	57.57	74.00	-16.43	Peak	100	135	P
9	17475.00	22.45	42.45	64.90	68.20	-3.30	Peak	100	296	P

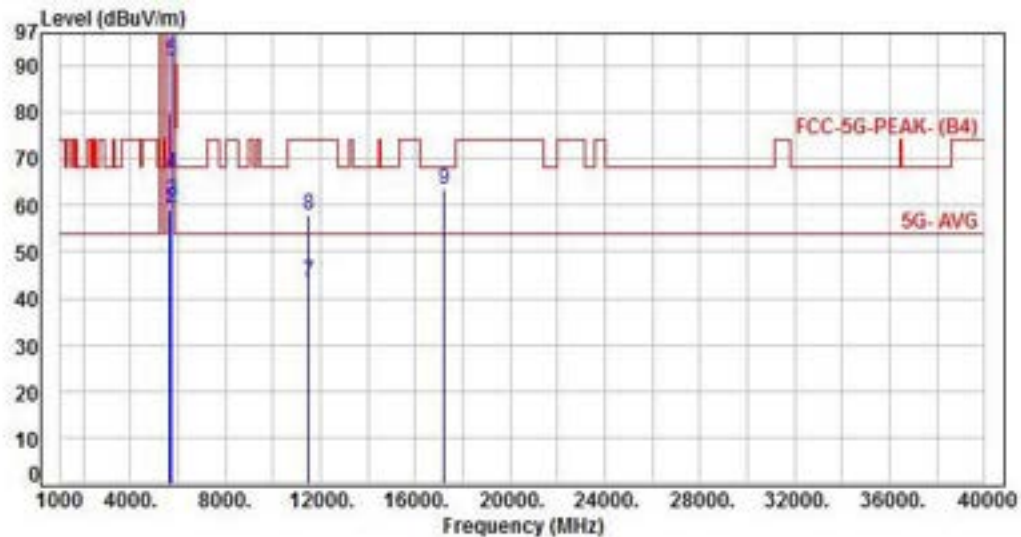
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 4, CH149		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.51	59.03	68.20	-9.17	Peak	100	85	P
2	5700.00	6.56	52.86	59.42	105.20	-45.78	Peak	100	85	P
3	5720.00	6.61	54.26	60.87	110.80	-49.93	Peak	100	85	P
4	5725.00	6.63	60.28	66.91	122.20	-55.29	Peak	100	85	P
5	5745.00	6.68	84.54	91.22	200.00	-108.78	Average	100	85	P
6	5745.00	6.68	94.71	101.39	200.00	-98.61	Peak	100	85	P
7	11490.00	15.08	28.45	43.53	54.00	-10.47	Average	100	225	P
8	11490.00	15.08	42.65	57.73	74.00	-16.27	Peak	100	225	P
9	17235.00	20.94	42.31	63.25	68.20	-4.95	Peak	100	76	P

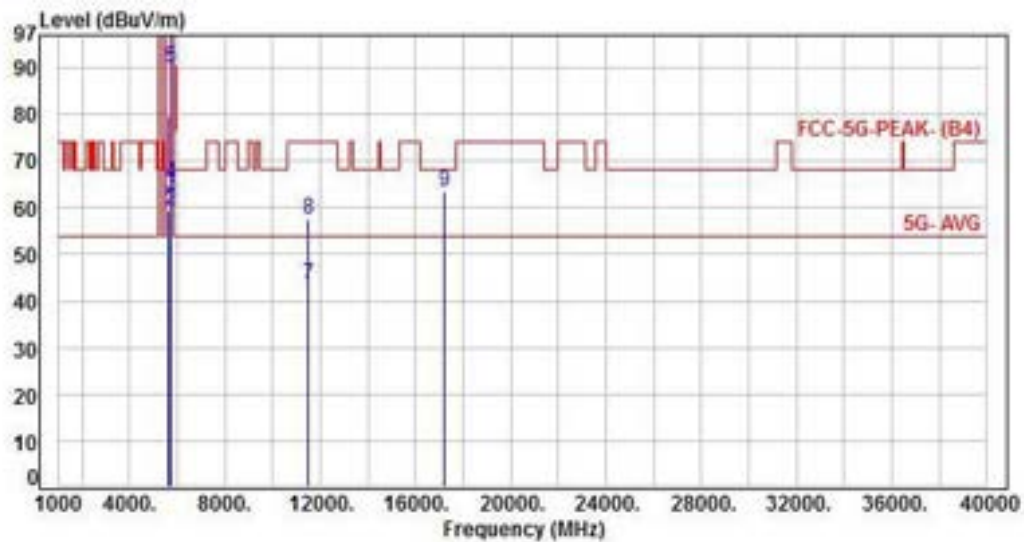
Note: Level=Reading+Factor

$$\text{Margin} = \text{Level} - \text{Limit}$$

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH149		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.98	59.50	68.20	-8.70	Peak	100	21	P
2	5700.00	6.56	52.85	59.41	105.20	-45.79	Peak	100	21	P
3	5720.00	6.61	55.97	62.58	110.80	-48.22	Peak	100	21	P
4	5725.00	6.63	58.51	65.14	122.20	-57.06	Peak	100	21	P
5	5745.00	6.68	83.17	89.85	200.00	-110.15	Average	100	21	P
6	5745.00	6.68	93.07	99.75	200.00	-100.25	Peak	100	21	P
7	11490.00	15.08	28.30	43.38	54.00	-10.62	Average	100	131	P
8	11490.00	15.08	42.28	57.36	74.00	-16.64	Peak	100	131	P
9	17235.00	20.94	42.59	63.53	68.20	-4.67	Peak	100	307	P

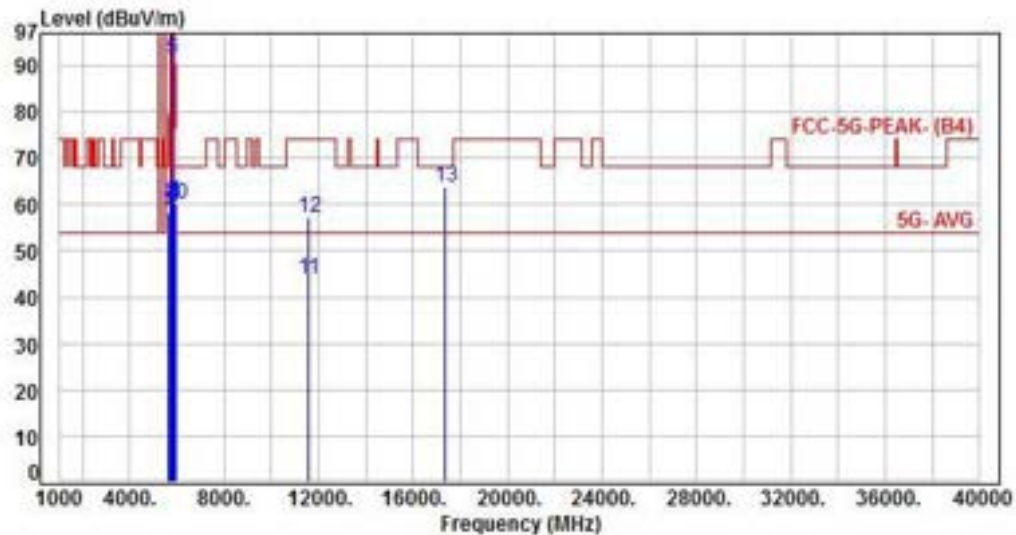
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	51.80	58.32	68.20	-9.88	Peak	100	88	P
2	5700.00	6.56	52.26	58.82	105.20	-46.38	Peak	100	88	P
3	5720.00	6.61	53.35	59.96	110.80	-50.84	Peak	100	88	P
4	5725.00	6.63	53.11	59.74	122.20	-62.46	Peak	100	88	P
5	5785.00	6.64	84.86	91.50	200.00	-108.50	Average	100	88	P
6	5785.00	6.64	95.12	101.76	200.00	-98.24	Peak	100	88	P
7	5850.00	6.76	53.55	60.31	122.20	-61.89	Peak	100	88	P
8	5855.00	6.78	53.18	59.96	110.80	-50.84	Peak	100	88	P
9	5875.00	6.83	52.64	59.47	105.20	-45.73	Peak	100	88	P
10	5925.00	6.97	53.06	60.03	68.20	-8.17	Peak	100	88	P
11	11570.00	15.32	28.41	43.73	54.00	-10.27	Average	100	227	P
12	11570.00	15.32	41.95	57.27	74.00	-16.73	Peak	100	227	P
13	17355.00	21.54	42.34	63.88	68.20	-4.32	Peak	100	80	P

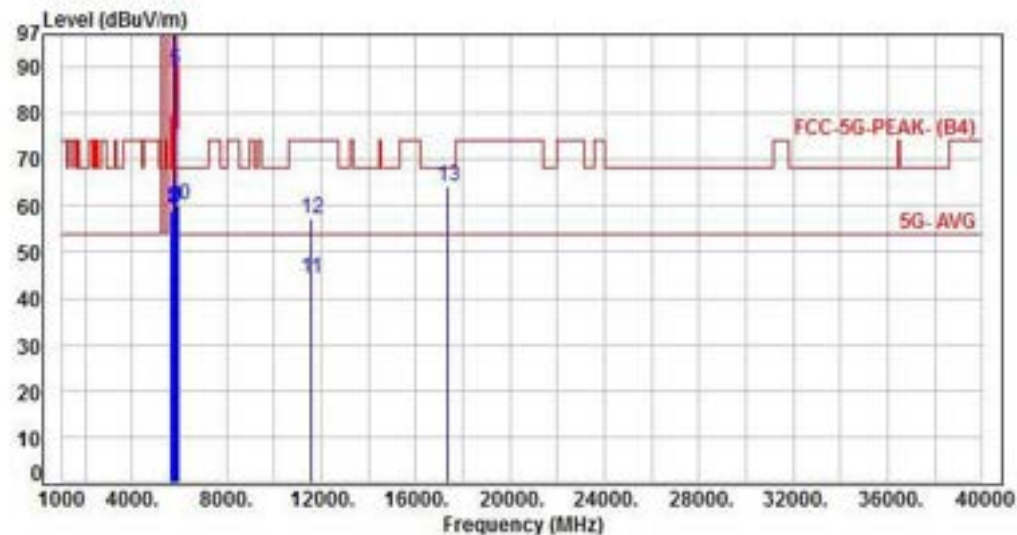
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.63	59.15	68.20	-9.05	Peak	100	21	P
2	5700.00	6.56	52.65	59.21	105.20	-45.99	Peak	100	21	P
3	5720.00	6.61	52.59	59.20	110.00	-51.00	Peak	100	21	P
4	5725.00	6.63	52.27	58.90	122.20	-63.30	Peak	100	21	P
5	5785.00	6.64	82.75	89.39	200.00	-110.61	Average	100	21	P
6	5785.00	6.64	92.58	99.22	200.00	-100.78	Peak	100	21	P
7	5850.00	6.76	52.33	59.09	122.20	-63.11	Peak	100	21	P
8	5855.00	6.78	52.83	59.61	110.00	-51.19	Peak	100	21	P
9	5875.00	6.83	52.84	59.67	105.20	-45.53	Peak	100	21	P
10	5925.00	6.97	52.98	59.95	68.20	-8.25	Peak	100	21	P
11	11570.00	15.32	28.80	44.12	54.00	-9.88	Average	100	133	P
12	11570.00	15.32	41.87	57.19	74.00	-16.81	Peak	100	133	P
13	17355.00	21.54	42.68	64.22	68.20	-3.98	Peak	100	300	P

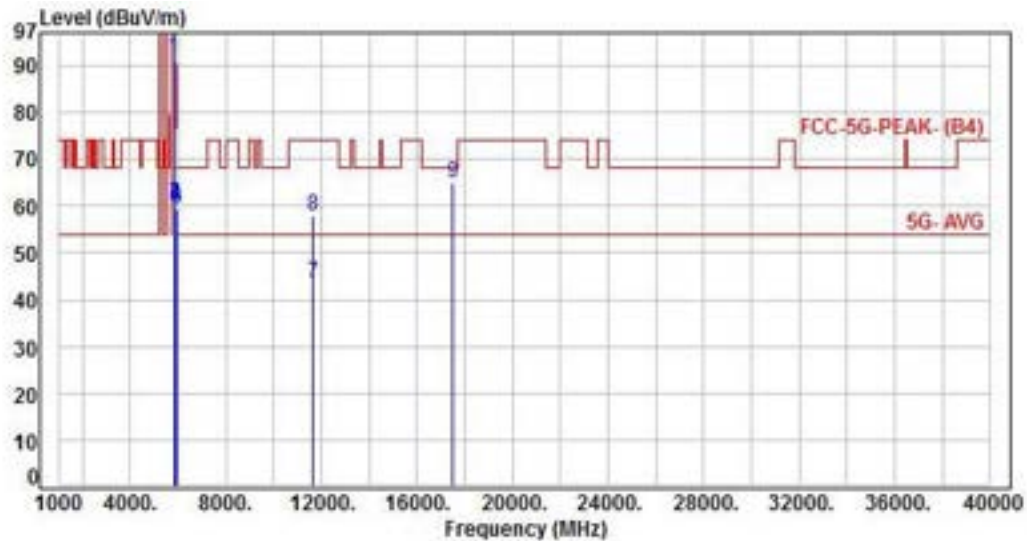
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 4, CH165		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.69	84.84	91.53	200.00	-108.47	Average	100	90	P
2	5825.00	6.69	94.89	101.58	200.00	-98.42	Peak	100	90	P
3	5850.00	6.76	53.63	60.39	122.20	-61.81	Peak	100	90	P
4	5855.00	6.78	53.41	60.19	110.80	-50.61	Peak	100	90	P
5	5875.00	6.83	53.25	60.08	105.20	-45.12	Peak	100	90	P
6	5925.00	6.97	52.35	59.32	68.20	-8.88	Peak	100	90	P
7	11650.00	15.44	28.10	43.54	54.00	-10.46	Average	100	230	P
8	11650.00	15.44	42.62	58.06	74.00	-15.94	Peak	100	230	P
9	17475.00	22.45	42.37	64.82	68.20	-3.38	Peak	100	75	P

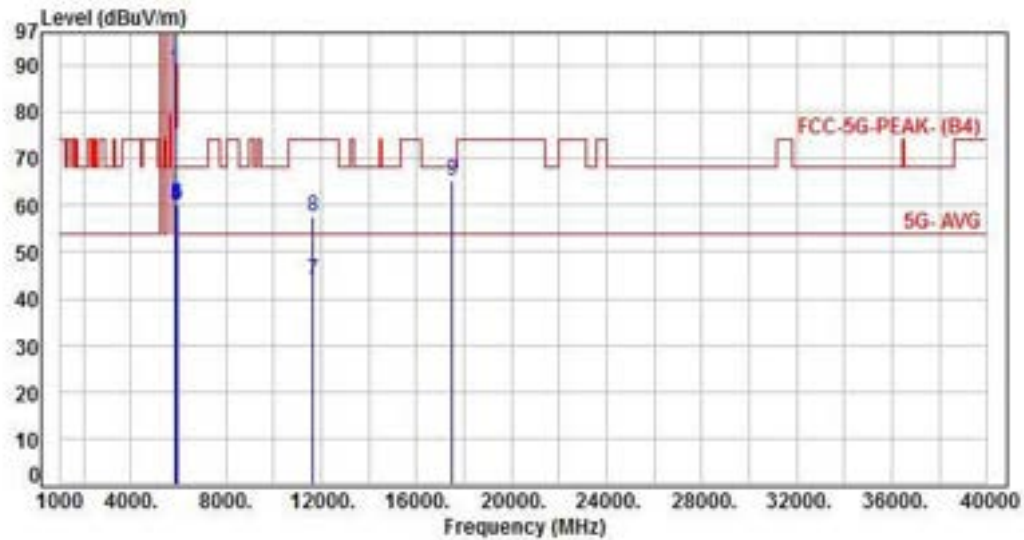
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH165		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.69	82.07	88.76	200.00	-111.24	Average	100	25	P
2	5825.00	6.69	91.37	98.06	200.00	-101.94	Peak	100	25	P
3	5850.00	6.76	53.40	60.16	122.20	-62.04	Peak	100	25	P
4	5855.00	6.78	52.84	59.62	110.80	-51.18	Peak	100	25	P
5	5875.00	6.83	53.18	60.01	105.20	-45.19	Peak	100	25	P
6	5925.00	6.97	52.97	59.94	68.20	-8.26	Peak	100	25	P
7	11650.00	15.44	28.37	43.81	54.00	-10.19	Average	100	138	P
8	11650.00	15.44	41.94	57.38	74.00	-16.62	Peak	100	138	P
9	17475.00	22.45	42.82	65.27	68.20	-2.93	Peak	100	301	P

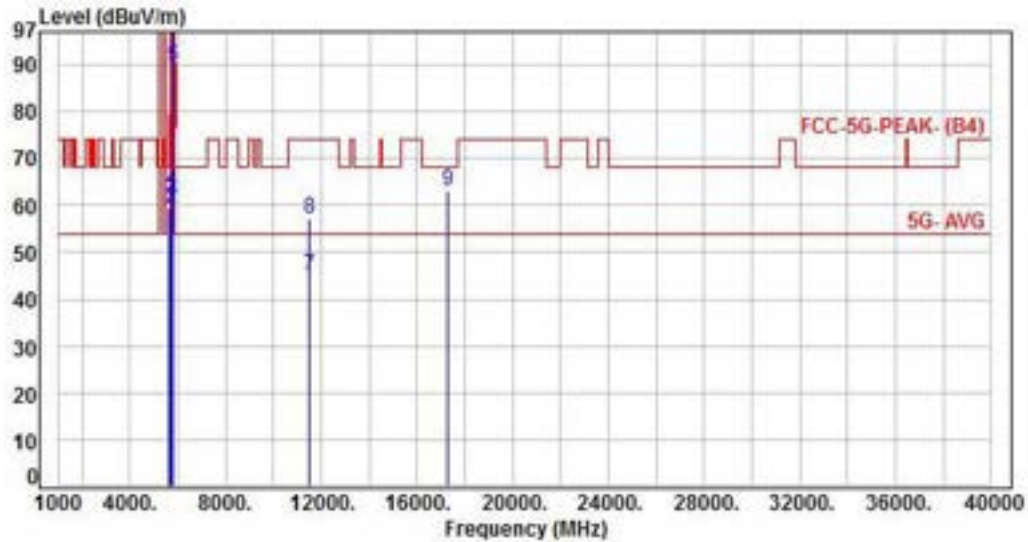
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 4, CH151		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.93	59.45	68.20	-8.75	Peak	100	83	P
2	5700.00	6.56	52.72	59.28	105.20	-45.92	Peak	100	83	P
3	5720.00	6.61	54.77	61.38	110.80	-49.42	Peak	100	83	P
4	5725.00	6.63	56.50	63.13	122.20	-59.07	Peak	100	83	P
5	5755.00	6.68	82.79	89.47	200.00	-110.53	Average	100	83	P
6	5755.00	6.68	91.54	98.22	200.00	-101.78	Peak	100	83	P
7	11510.00	15.14	29.69	44.83	54.00	-9.17	Average	100	229	P
8	11510.00	15.14	42.00	57.14	74.00	-16.86	Peak	100	229	P
9	17265.00	21.10	41.81	62.91	68.20	-5.29	Peak	100	77	P

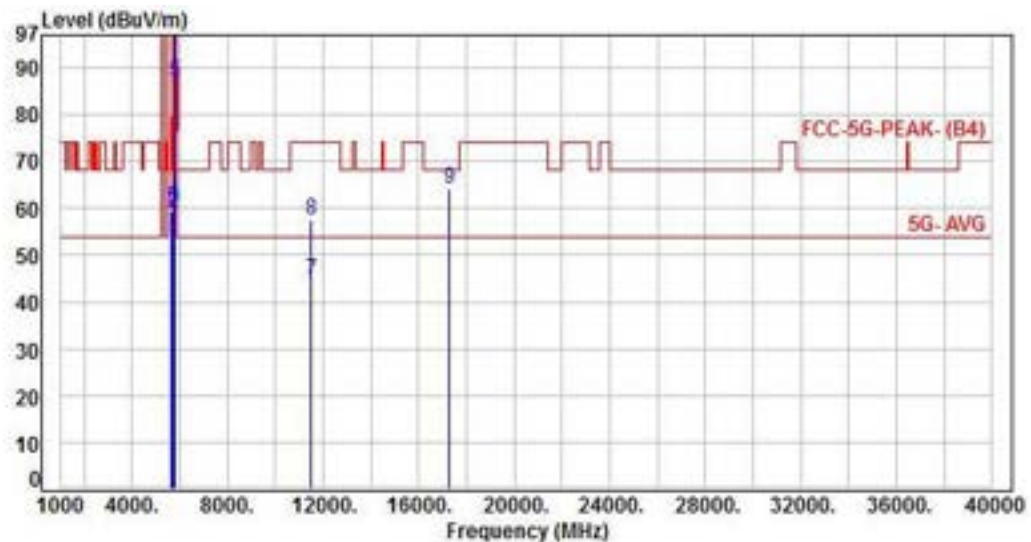
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 4, CH151		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.98	59.50	68.20	-8.70	Peak	100	26	P
2	5700.00	6.56	52.50	59.06	105.20	-46.14	Peak	100	26	P
3	5720.00	6.61	53.62	60.23	110.80	-50.57	Peak	100	26	P
4	5725.00	6.63	54.61	61.24	122.20	-60.96	Peak	100	26	P
5	5755.00	6.68	80.41	87.09	200.00	-112.91	Average	100	26	P
6	5755.00	6.68	90.35	97.03	200.00	-102.97	Peak	100	26	P
7	11510.00	15.14	29.52	44.66	54.00	-9.34	Average	100	130	P
8	11510.00	15.14	42.25	57.39	74.00	-16.61	Peak	100	130	P
9	17265.00	21.10	42.95	64.05	68.20	-4.15	Peak	100	307	P

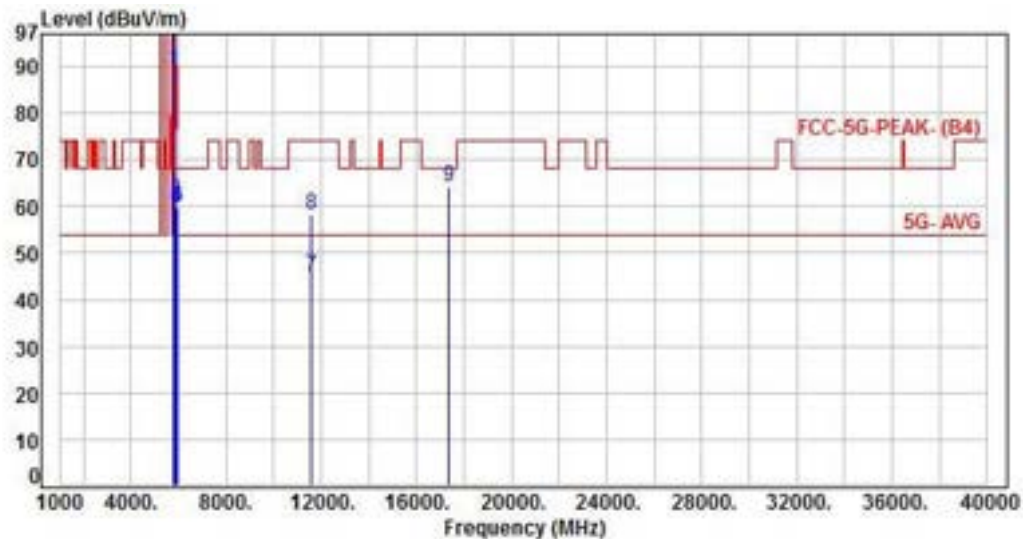
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 4, CH159		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	6.63	82.69	89.32	200.00	-110.68	Average	100	84	P
2	5795.00	6.63	92.16	98.79	200.00	-101.21	Peak	100	84	P
3	5850.00	6.76	54.41	61.17	122.20	-61.03	Peak	100	84	P
4	5855.00	6.78	52.84	59.62	110.80	-51.18	Peak	100	84	P
5	5875.00	6.83	52.97	59.80	105.20	-45.40	Peak	100	84	P
6	5925.00	6.97	52.69	59.66	68.20	-8.54	Peak	100	84	P
7	11590.00	15.37	29.76	45.13	54.00	-8.87	Average	100	229	P
8	11590.00	15.37	42.83	58.20	74.00	-15.80	Peak	100	229	P
9	17385.00	21.67	42.36	64.03	68.20	-4.17	Peak	100	74	P

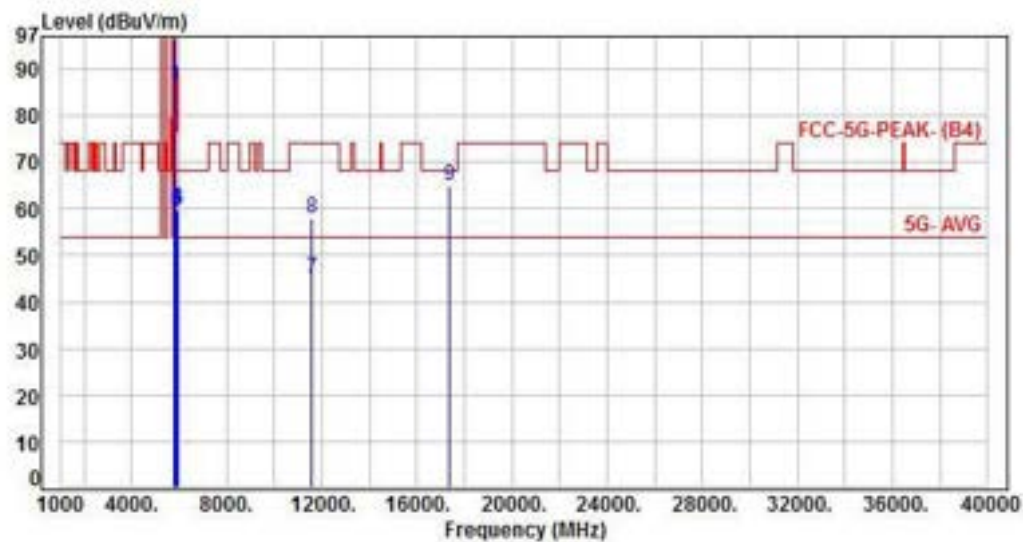
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 4, CH159		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	6.63	80.14	86.77	200.00	-113.23	Average	100	25	P
2	5795.00	6.63	89.85	96.48	200.00	-103.52	Peak	100	25	P
3	5850.00	6.76	53.16	59.92	122.20	-62.28	Peak	100	25	P
4	5855.00	6.78	53.44	60.22	110.80	-50.58	Peak	100	25	P
5	5875.00	6.83	52.72	59.55	105.20	-45.65	Peak	100	25	P
6	5925.00	6.97	52.70	59.67	68.20	-8.53	Peak	100	25	P
7	11590.00	15.37	29.66	45.03	54.00	-8.97	Average	100	133	P
8	11590.00	15.37	42.70	58.07	74.00	-15.93	Peak	100	133	P
9	17385.00	21.67	43.25	64.92	68.20	-3.28	Peak	100	306	P

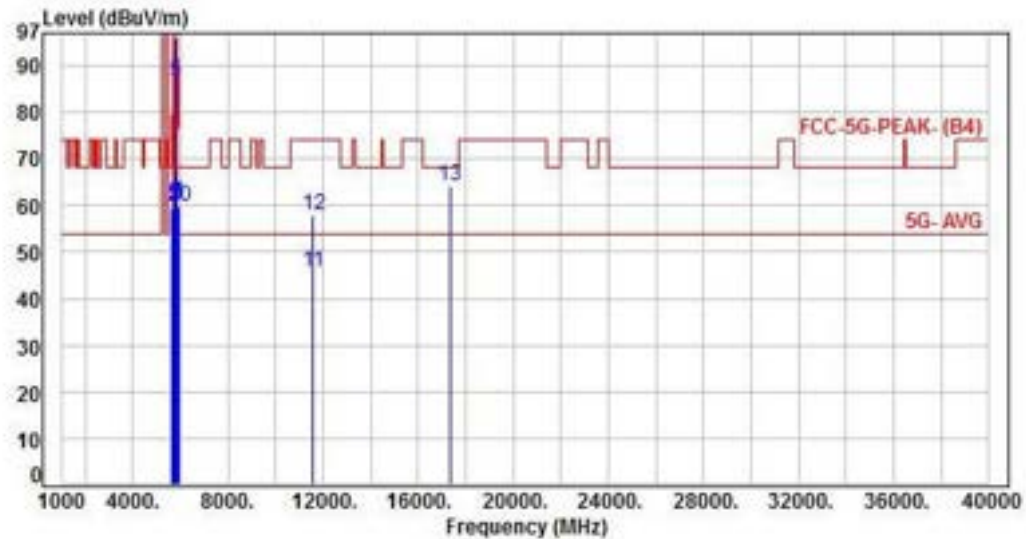
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 4, CH155		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.76	59.28	68.20	-8.92	Peak	100	84	P
2	5700.00	6.56	53.02	59.58	105.20	-45.62	Peak	100	84	P
3	5720.00	6.61	53.41	60.02	110.80	-50.78	Peak	100	84	P
4	5725.00	6.63	54.73	61.36	122.20	-60.84	Peak	100	84	P
5	5775.00	6.65	80.05	86.70	200.00	-113.30	Average	100	84	P
6	5775.00	6.65	89.10	95.75	200.00	-104.25	Peak	100	84	P
7	5850.00	6.76	53.91	60.67	122.20	-61.53	Peak	100	84	P
8	5855.00	6.78	53.88	60.66	110.80	-50.14	Peak	100	84	P
9	5875.00	6.83	53.14	59.97	105.20	-45.23	Peak	100	84	P
10	5925.00	6.97	52.85	59.82	68.20	-8.38	Peak	100	84	P
11	11550.00	15.26	30.33	45.59	54.00	-8.41	Average	100	226	P
12	11550.00	15.26	42.69	57.95	74.00	-16.05	Peak	100	226	P
13	17325.00	21.41	42.85	64.26	68.20	-3.94	Peak	100	73	P

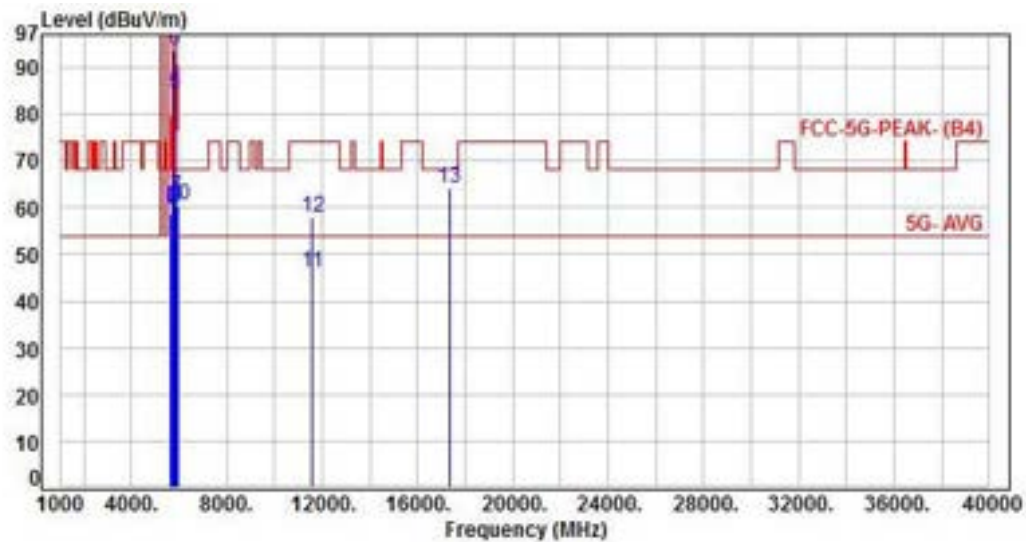
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 4, CH155		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	51.95	58.47	68.20	-9.73	Peak	100	22	P
2	5700.00	6.56	53.18	59.74	105.20	-45.46	Peak	100	22	P
3	5720.00	6.61	53.47	60.08	110.80	-50.72	Peak	100	22	P
4	5725.00	6.63	53.71	60.34	122.20	-61.86	Peak	100	22	P
5	5775.00	6.65	77.79	84.44	200.00	-115.56	Average	100	22	P
6	5775.00	6.65	86.95	93.60	200.00	-106.40	Peak	100	22	P
7	5850.00	6.76	55.56	62.32	122.20	-59.88	Peak	100	22	P
8	5855.00	6.78	54.23	61.01	110.80	-49.79	Peak	100	22	P
9	5875.00	6.83	53.32	60.15	105.20	-45.05	Peak	100	22	P
10	5925.00	6.97	53.42	60.39	68.20	-7.81	Peak	100	22	P
11	11550.00	15.26	30.79	46.05	54.00	-7.95	Average	100	131	P
12	11550.00	15.26	42.73	57.99	74.00	-16.01	Peak	100	131	P
13	17325.00	21.41	42.85	64.26	68.20	-3.94	Peak	100	304	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.7. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz



7. On Time, Duty Cycle and Measurement methods

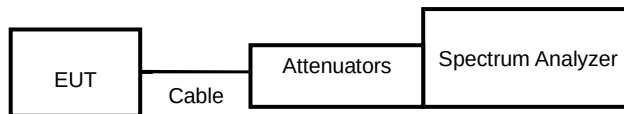
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout





7.4. Test Result and Data

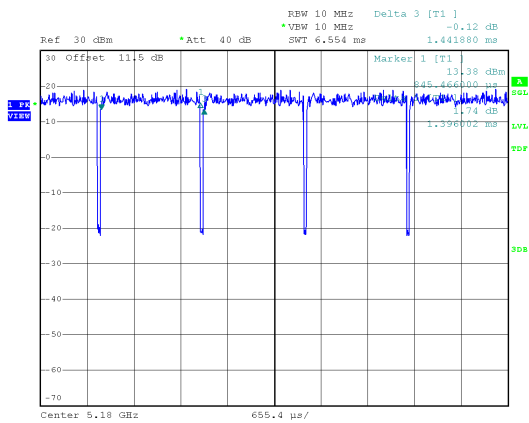
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	1.40	1.44	96.82%
802.11ac VHT20	1.32	1.36	96.92%
802.11ac VHT40	0.65	0.69	93.77%
802.11ac VHT80	0.32	0.37	88.72%

7.5. Measurement Methods

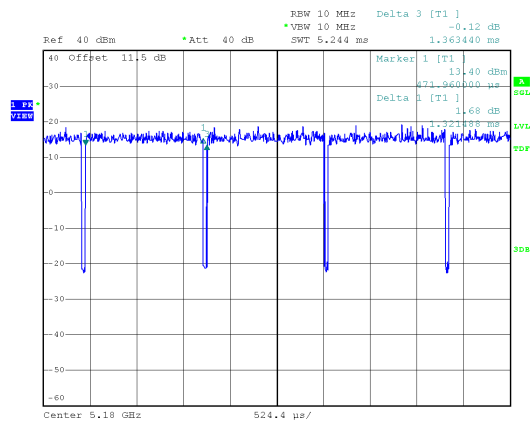
26 dB and 6dB Emission BW	KDB 789033 D02 v01, Section C
99% Occupied BW	KDB 789033 D02 v01, Section D
Conducted Output Power	KDB 789033 D02 v01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v01, Sections G and H



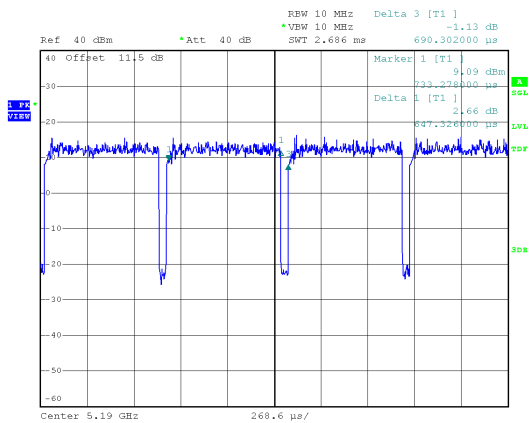
Modulation Type: 802.11a (6Mbps)



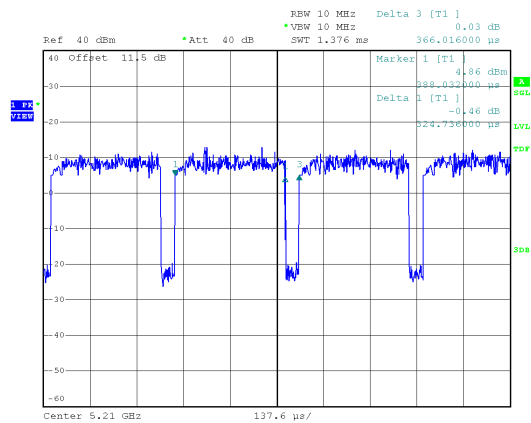
Modulation Type: 802.11ac VHT20 (6.5Mbps)



Modulation Type: 802.11ac VHT40 (13.5Mbps)



Modulation Type: 802.11ac VHT80 (29.3Mbps)





8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

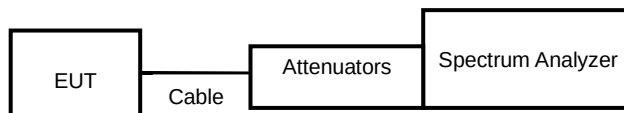
FCC §15.407

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW set to 100KHz, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

8.3. Test Setup Layout



**8.4. Test Result and Data**

In the 5.8G Band

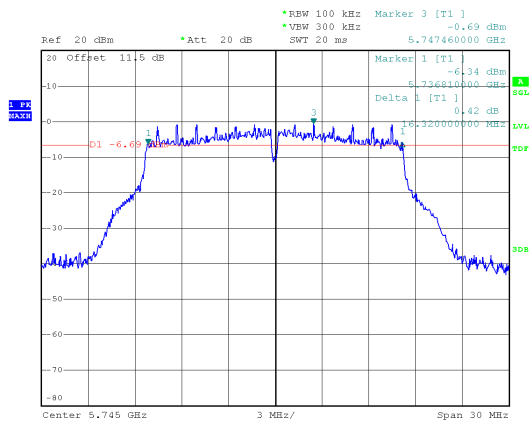
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)	Minimum Limit (MHz)
			ANT A	
11a	149	5745	16.32	0.50
11a	157	5785	16.32	0.50
11a	165	5825	16.32	0.50
11ac VHT20	149	5745	17.55	0.50
11ac VHT20	157	5785	17.52	0.50
11ac VHT20	165	5825	17.55	0.50
11ac VHT40	151	5755	35.82	0.50
11ac VHT40	159	5795	36.06	0.50
11ac VHT80	155	5775	75.12	0.50

In the 5.8G Band

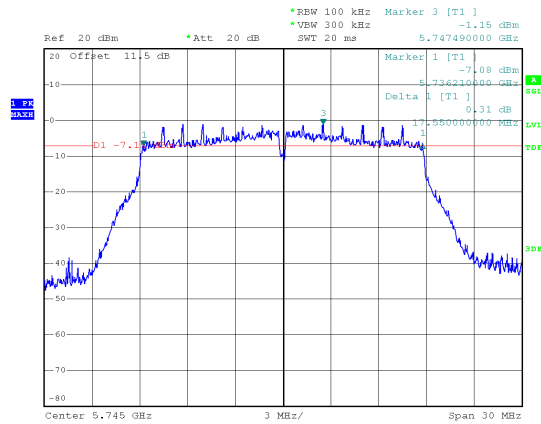
Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	149	5745	16.98
11a	157	5785	16.98
11a	165	5825	16.98
11ac VHT20	149	5745	17.97
11ac VHT20	157	5785	18.03
11ac VHT20	165	5825	18.00
11ac VHT40	151	5755	36.54
11ac VHT40	159	5795	36.42
11ac VHT80	155	5775	75.48



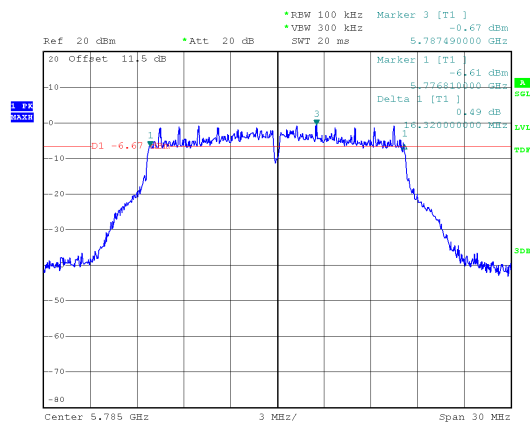
6dB Bandwidth
Modulation Type: 802.11a (6Mbps)
CH149



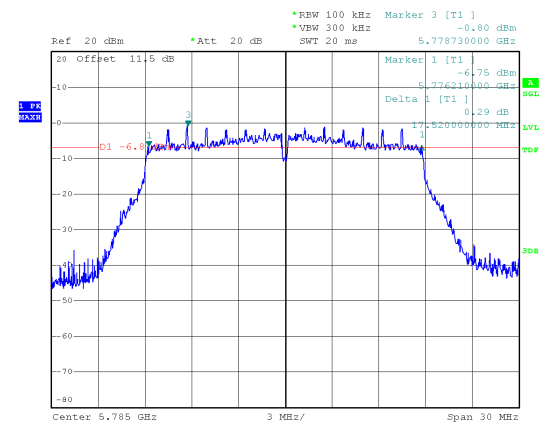
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149



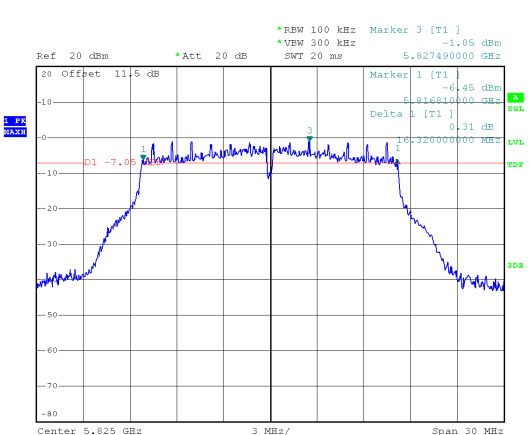
CH157



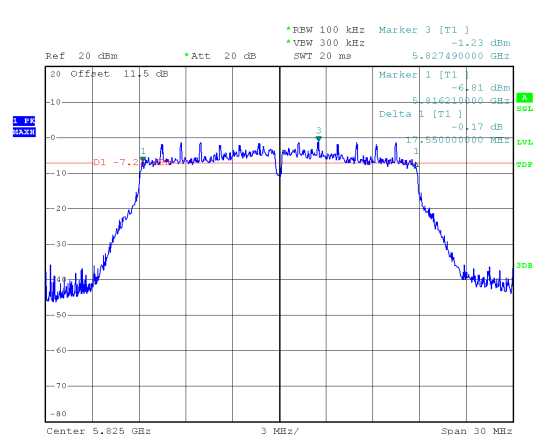
CH157



CH165

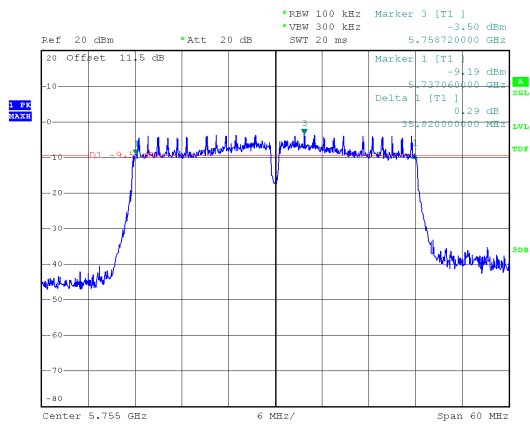


CH165

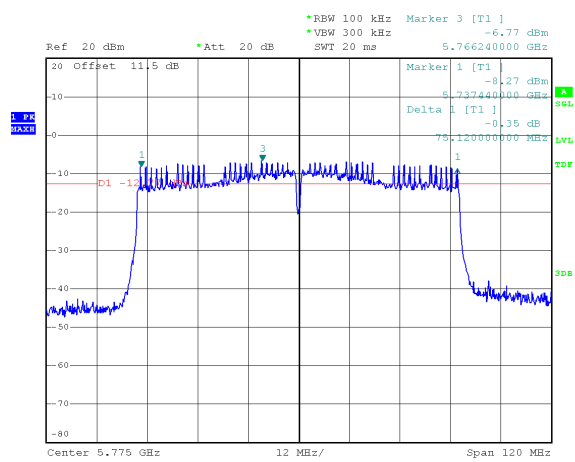




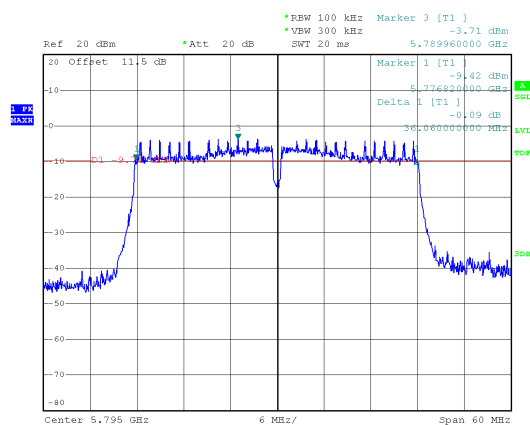
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH151

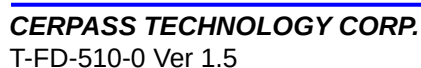
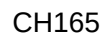
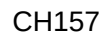
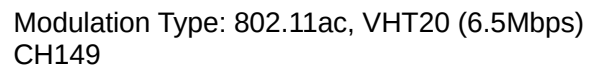


Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH155



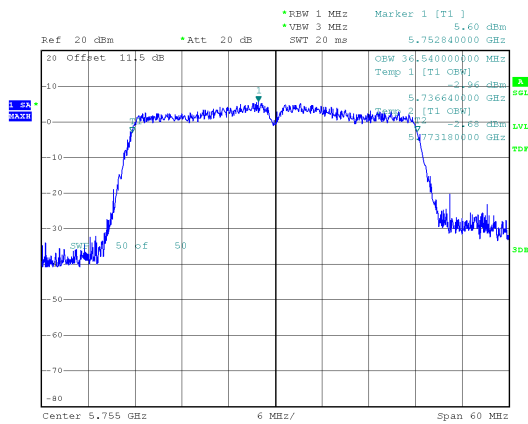
CH159



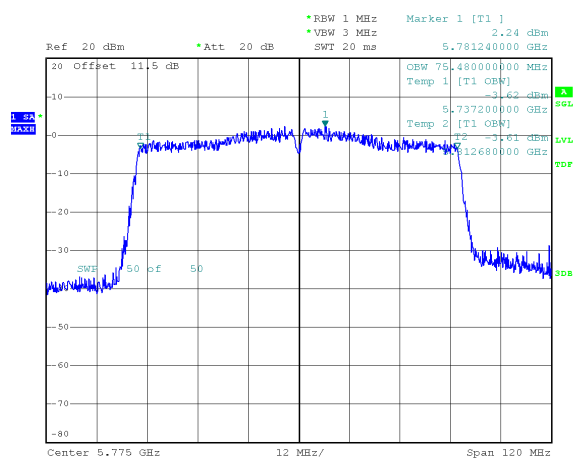




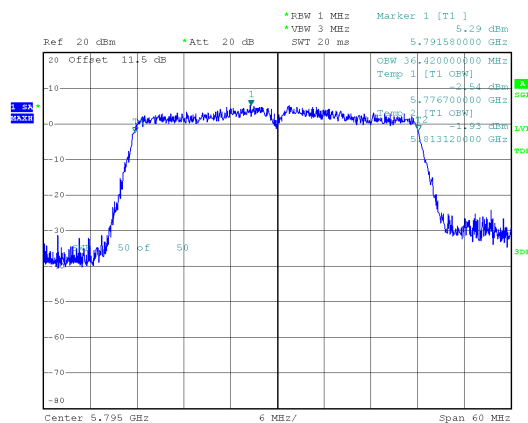
Band 4,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH151



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH155



CH159





9. 26dB Bandwidth & 99% Occupied Bandwidth

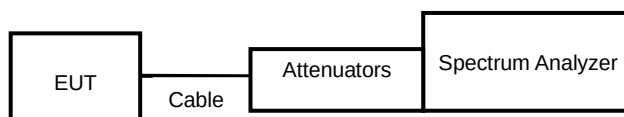
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

9.3. Test Setup Layout



9.4. Test Result and Data (26dB Bandwidth)

In the 5.2GHz Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	36	5180	21.75
11a	40	5200	21.75
11a	48	5240	21.75
11ac VHT20	36	5180	21.95
11ac VHT20	40	5200	21.8
11ac VHT20	48	5240	21.85
11ac VHT40	38	5190	41.6
11ac VHT40	46	5230	41.3
11ac VHT80	42	5210	81.92

**In the 5.3GHz Band**

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	52	5260	21.8
11a	60	5300	21.6
11a	64	5320	21.65
11ac VHT20	52	5260	21.95
11ac VHT20	60	5300	21.75
11ac VHT20	64	5320	21.85
11ac VHT40	54	5270	41.4
11ac VHT40	62	5310	41.5
11ac VHT80	58	5290	82.08

In the 5.5GHz Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	100	5500	21.65
11a	120	5600	21.65
11a	140	5700	21.75
11ac VHT20	100	5500	21.75
11ac VHT20	120	5600	21.8
11ac VHT20	140	5700	21.8
11ac VHT40	102	5510	41.4
11ac VHT40	118	5590	41.4
11ac VHT40	134	5670	41.4
11ac VHT80	106	5530	82.24
11ac VHT80	122	5610	82.08

**9.5. Test Result and Data (99% Occupied Bandwidth)****In the 5.2GHz Band**

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	36	5180	16.92
11a	40	5200	16.95
11a	48	5240	16.92
11ac VHT20	36	5180	17.97
11ac VHT20	40	5200	18.03
11ac VHT20	48	5240	18.03
11ac VHT40	38	5190	36.60
11ac VHT40	46	5230	36.48
11ac VHT80	42	5210	75.60

In the 5.3GHz Band

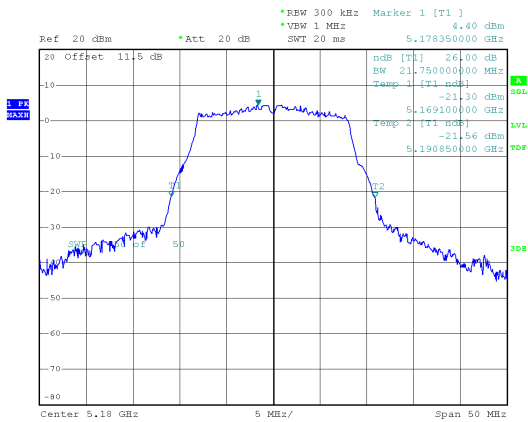
Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	52	5260	16.98
11a	60	5300	16.92
11a	64	5320	16.92
11ac VHT20	52	5260	18.00
11ac VHT20	60	5300	18.00
11ac VHT20	64	5320	18.06
11ac VHT40	54	5270	36.54
11ac VHT40	62	5310	36.48
11ac VHT80	58	5290	75.60

**In the 5.5GHz Band**

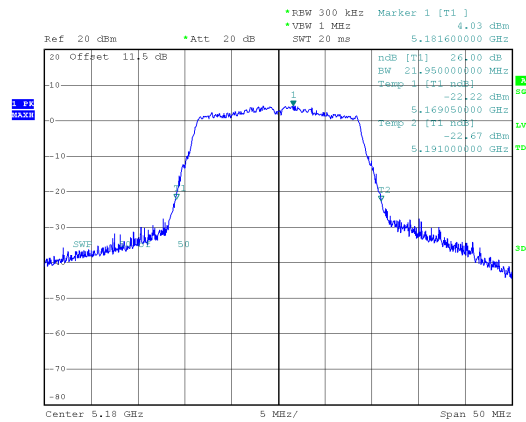
Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	100	5500	16.95
11a	120	5600	16.89
11a	140	5700	16.95
11ac VHT20	100	5500	18.03
11ac VHT20	120	5600	18.00
11ac VHT20	140	5700	18.03
11ac VHT40	102	5510	36.54
11ac VHT40	118	5590	36.48
11ac VHT40	134	5670	36.60
11ac VHT80	106	5530	75.60
11ac VHT80	122	5610	75.72



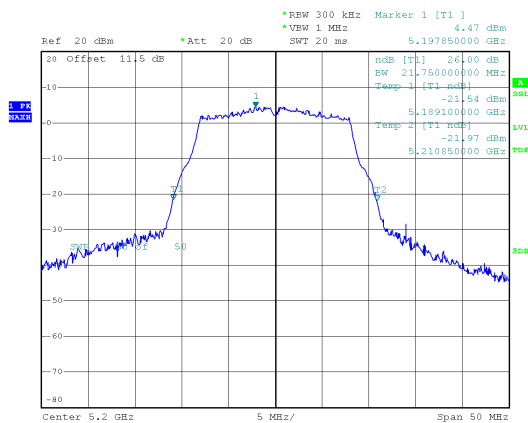
26dB Bandwidth
Band 1,
Modulation Type: 802.11a (6Mbps)
CH36



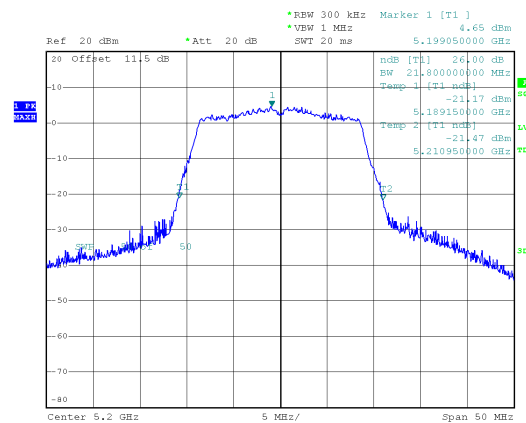
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH36



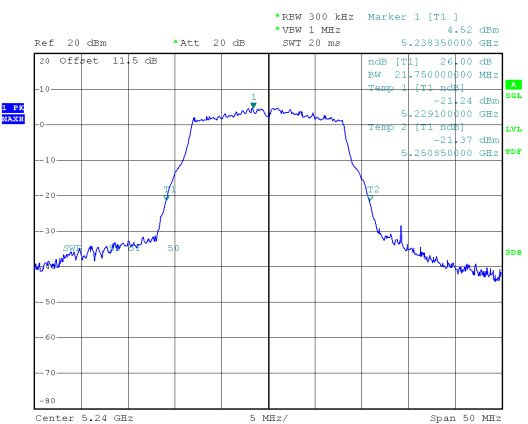
CH40



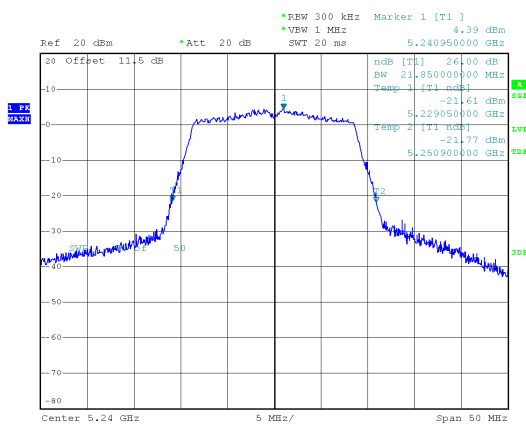
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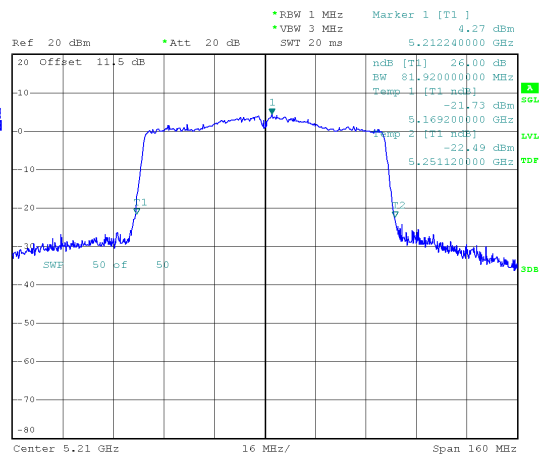


CH48



CH48



[illegible]

Ref 20 dBm Att 20 dB SWT 20 ms 5.226600000 GHz

20 Offhet 1115 dB

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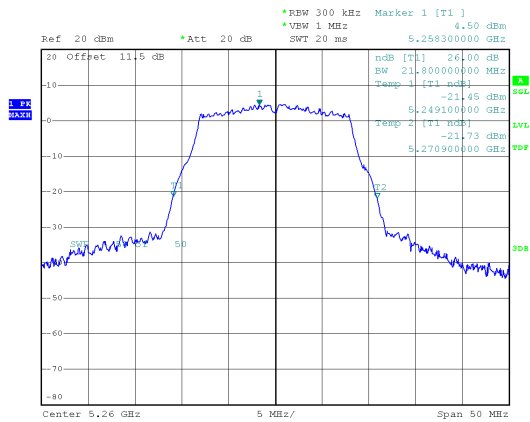
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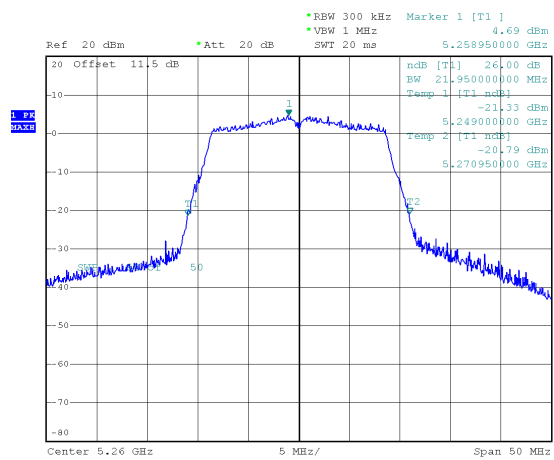
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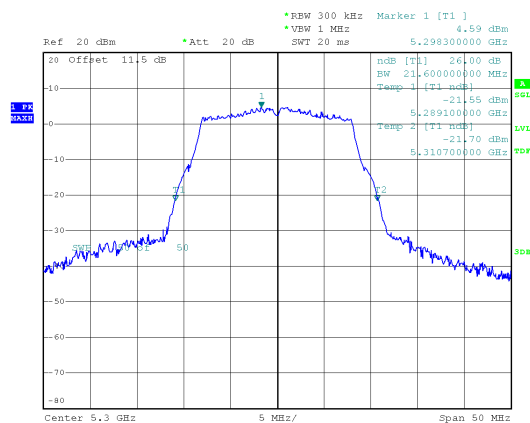
26dB Bandwidth
Band 2,
Modulation Type: 802.11a (6Mbps)
CH52



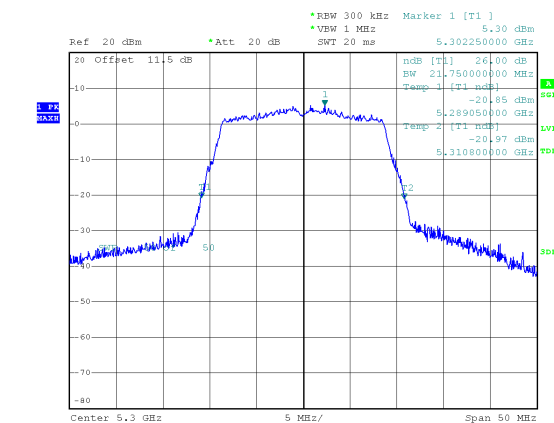
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH52



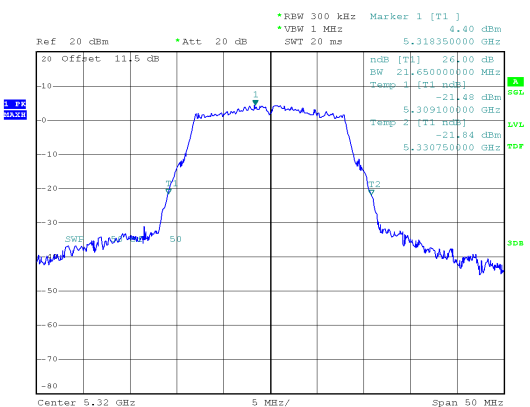
CH60



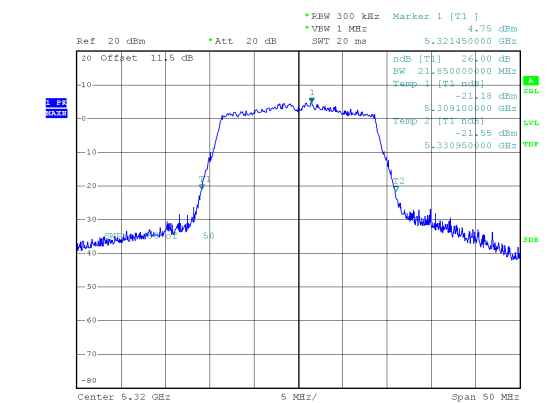
CH60



CH64

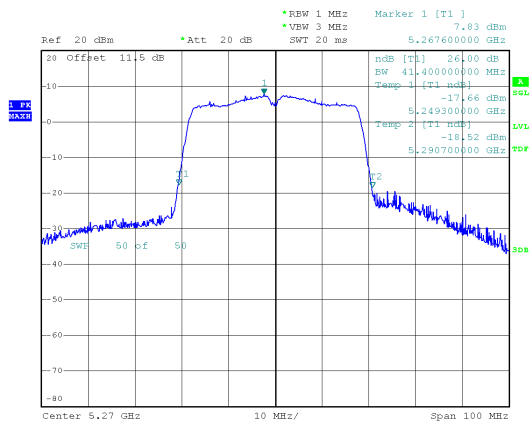


CH64

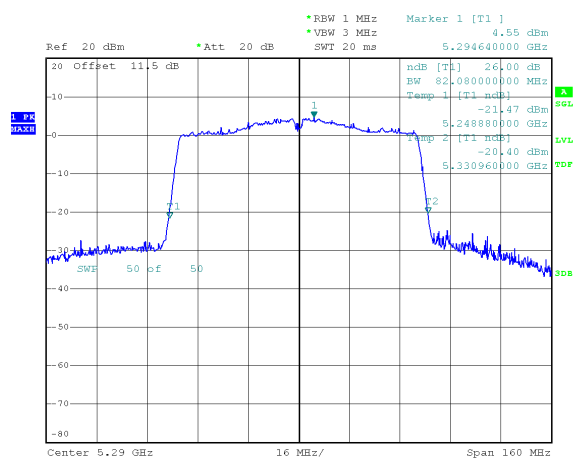




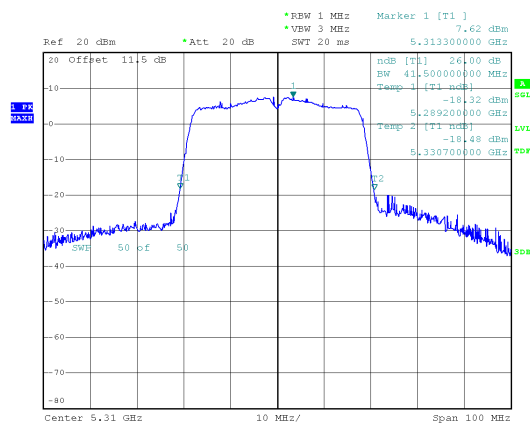
Band 2,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

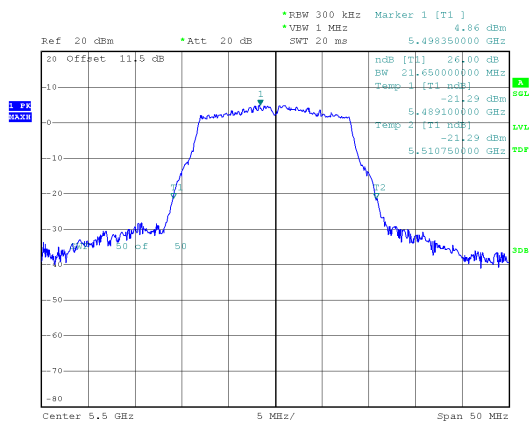


CH62

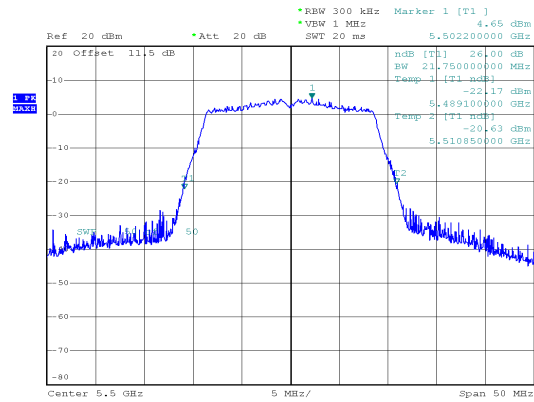




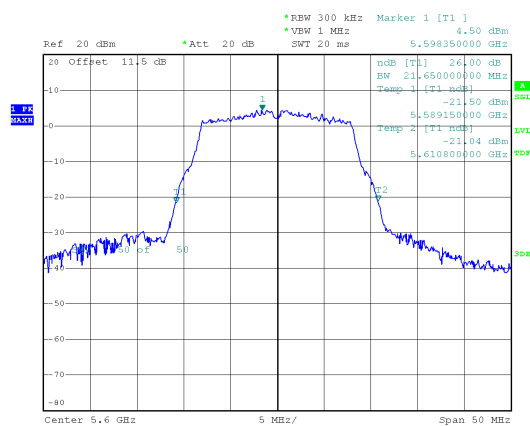
26dB Bandwidth
Band 3,
Modulation Type: 802.11a (6Mbps)
CH100



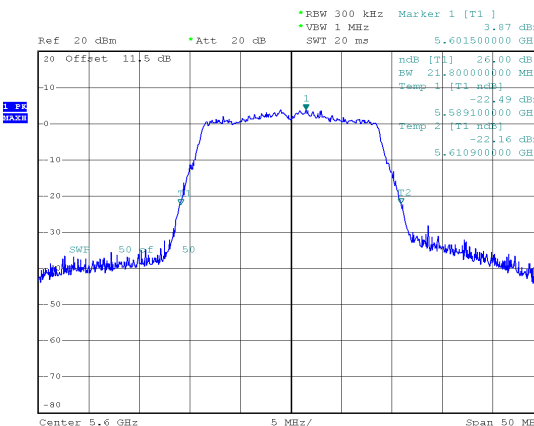
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH100



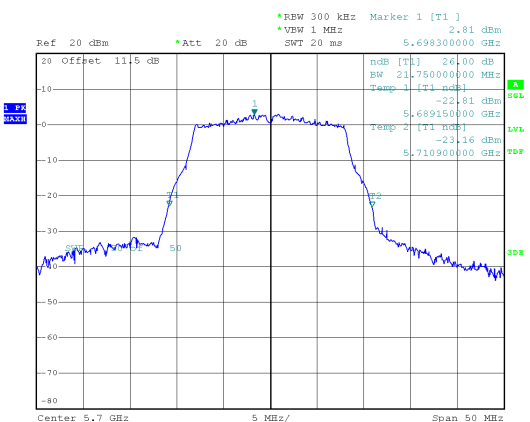
CH120



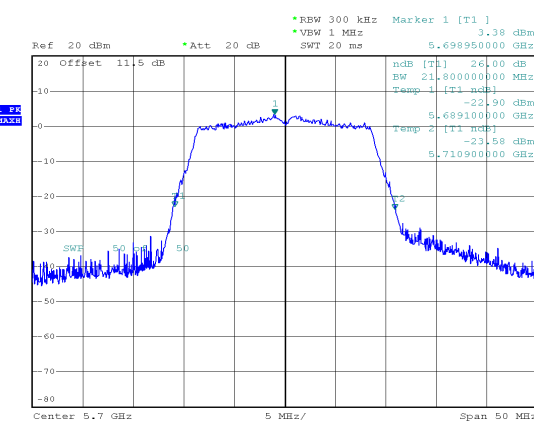
CH120



CH140

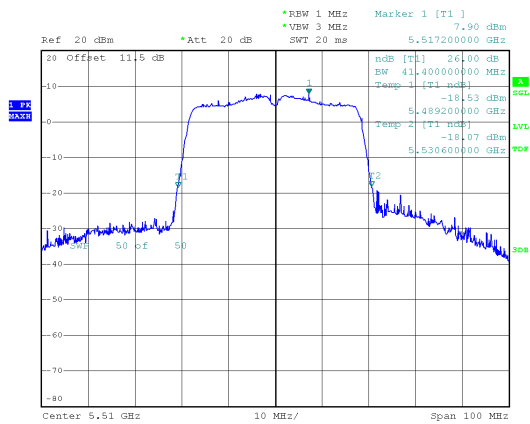


CH140

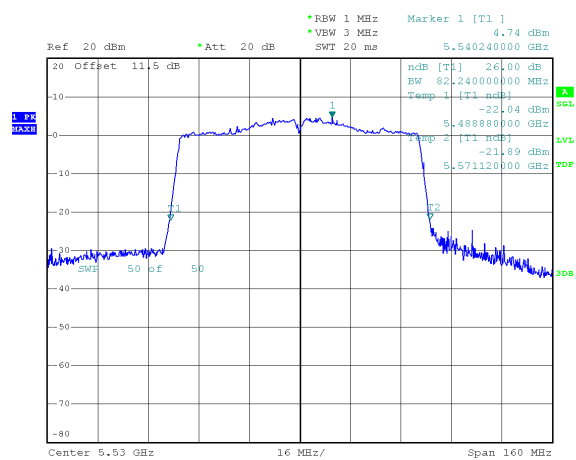




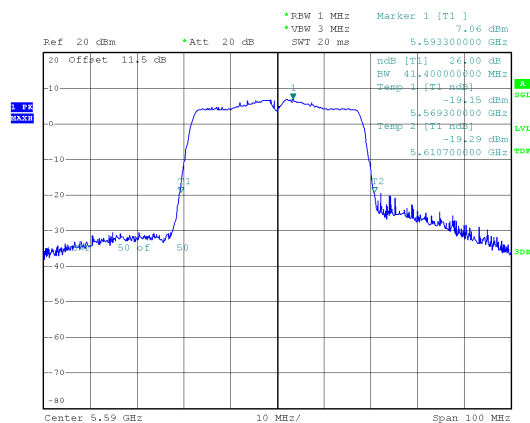
Band 3,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102



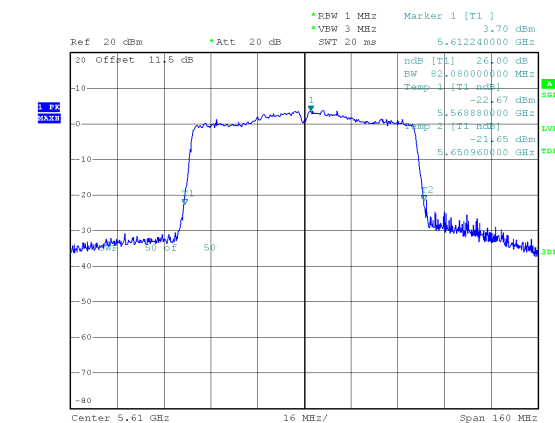
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106



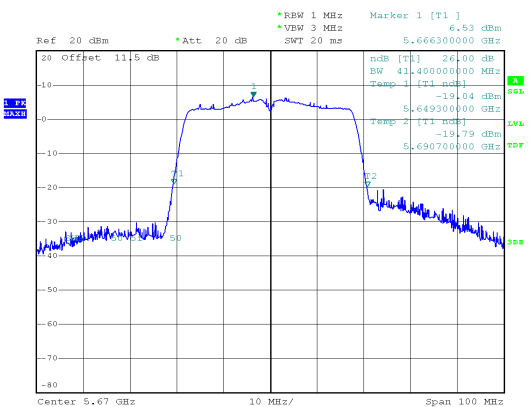
CH118



CH122



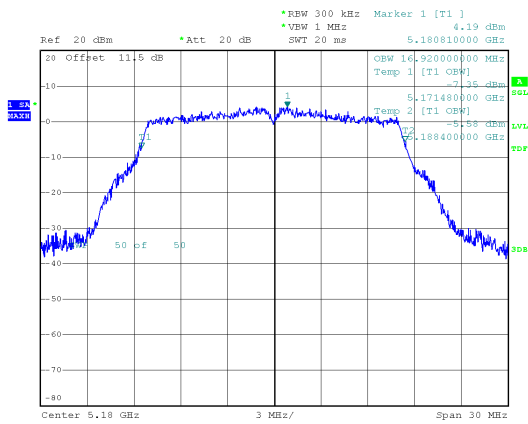
CH134



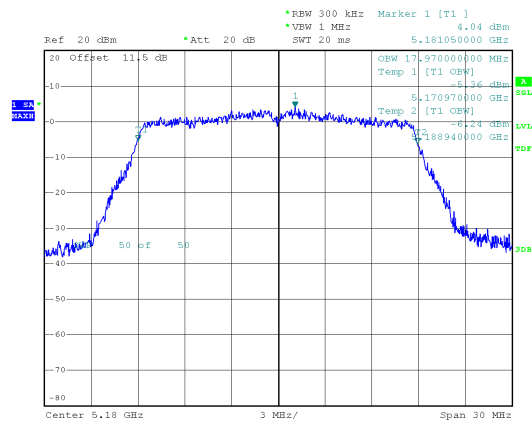


99% Bandwidth Band 1

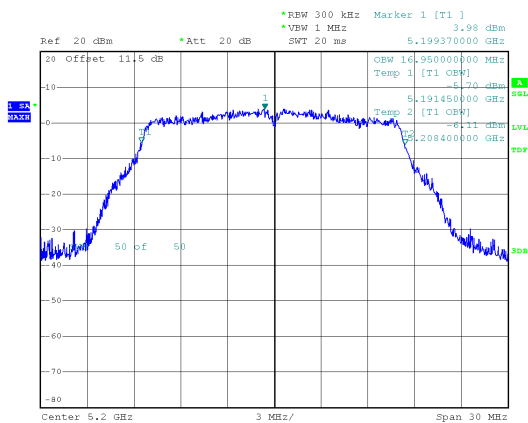
Modulation Type: 802.11a (6Mbps)
CH36



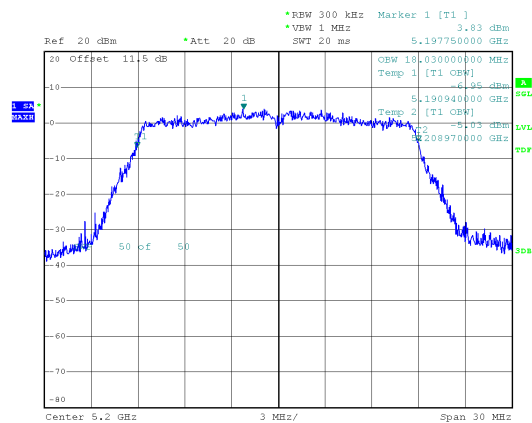
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH36



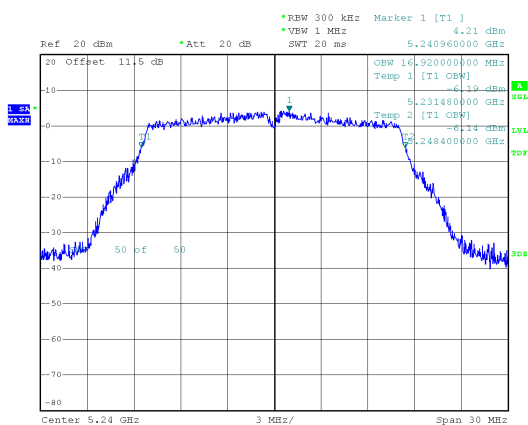
CH40



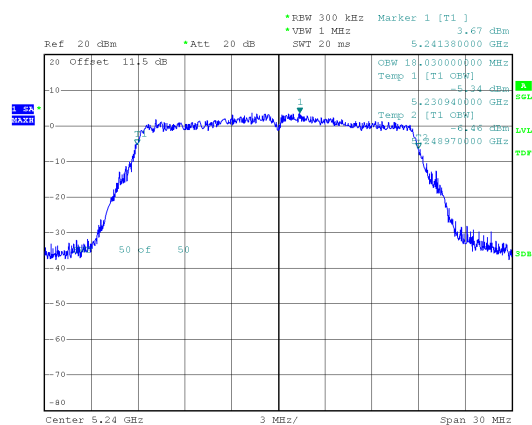
CH40



CH48

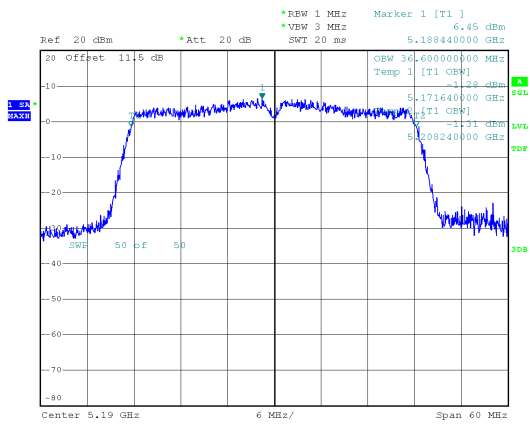
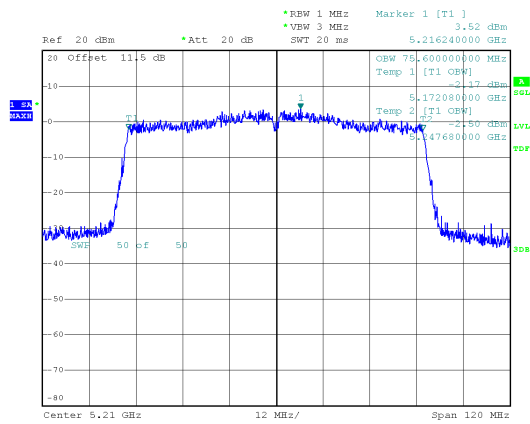


CH48

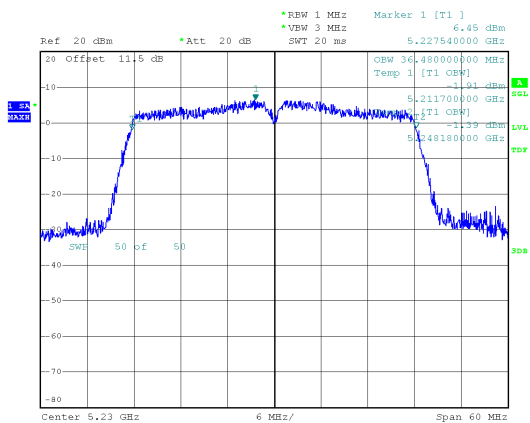




99% Bandwidth Band 1

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42

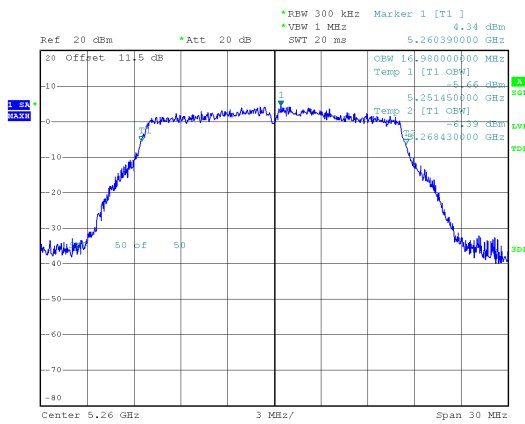
CH46



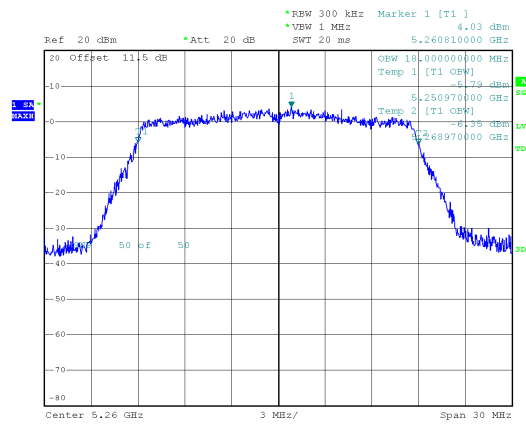


99% Bandwidth Band 2

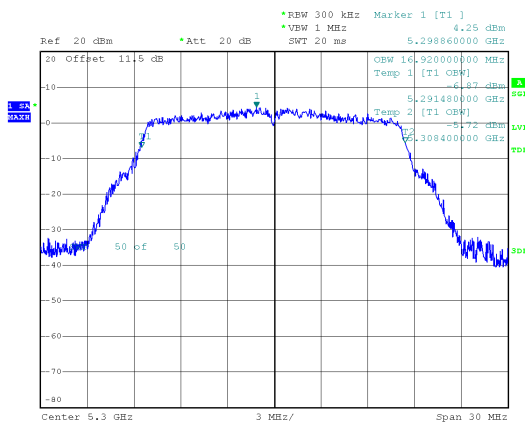
Modulation Type: 802.11a (6Mbps)
CH52



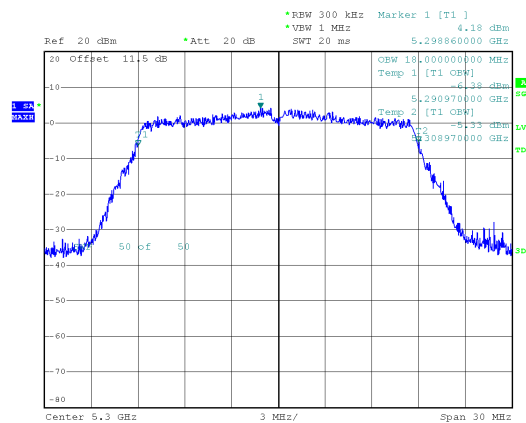
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH52



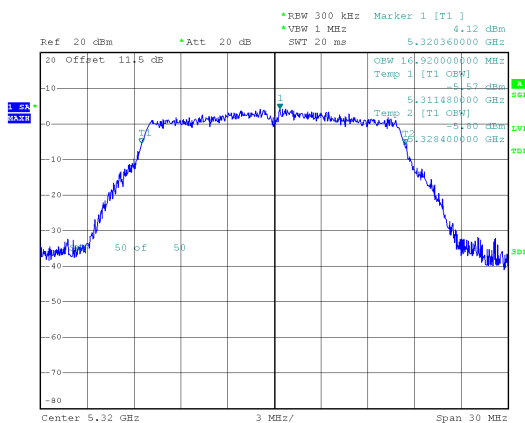
CH60



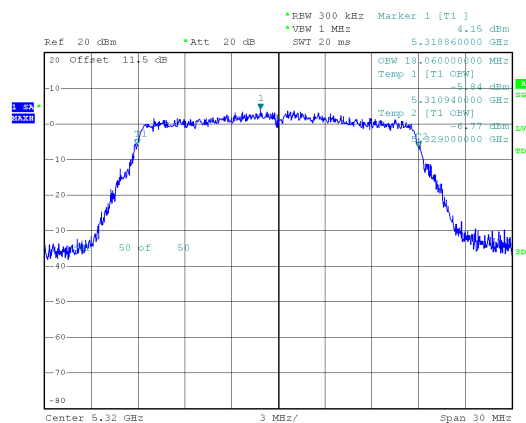
CH60



CH64

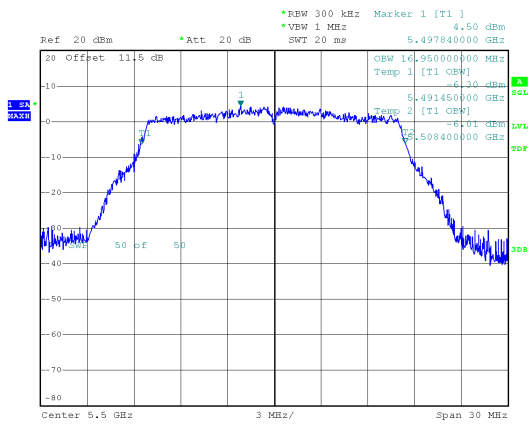
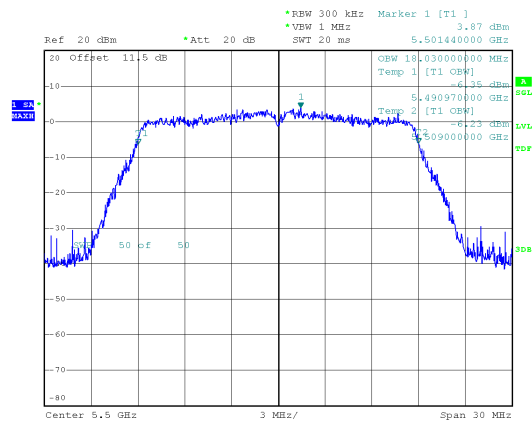


CH64

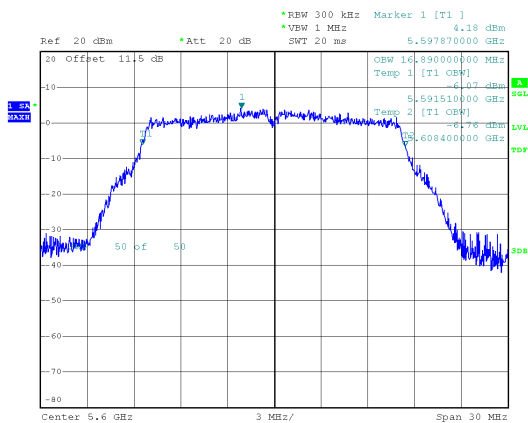




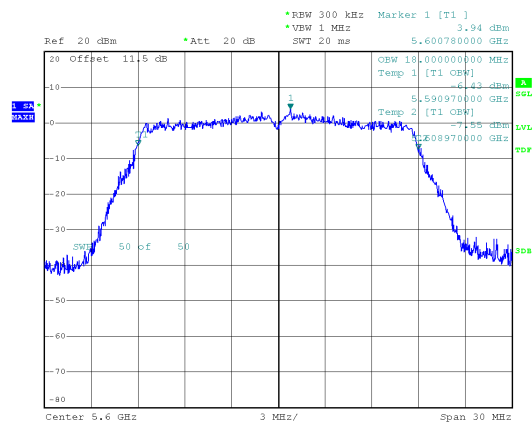
99% Bandwidth Band 3

Modulation Type: 802.11a (6Mbps)
CH100Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH100

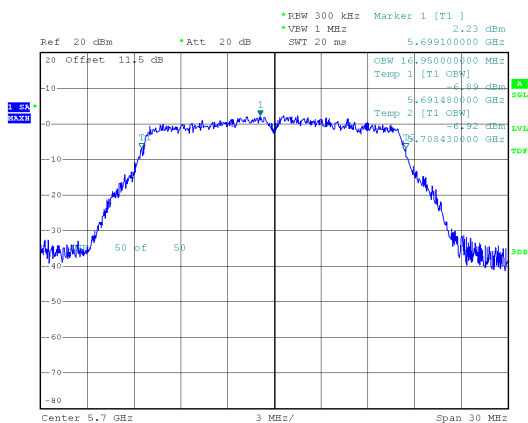
CH120



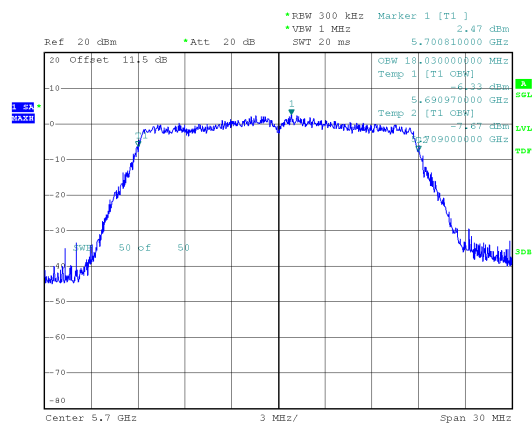
CH120



CH140

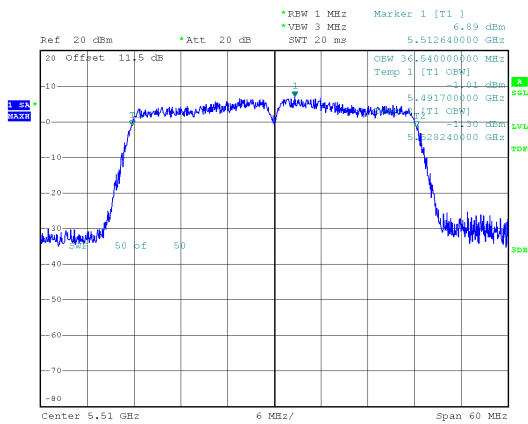


CH140

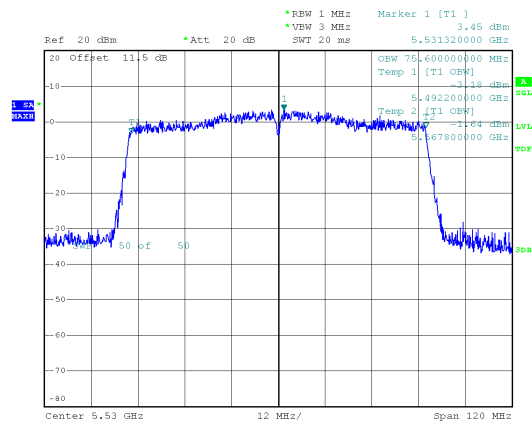




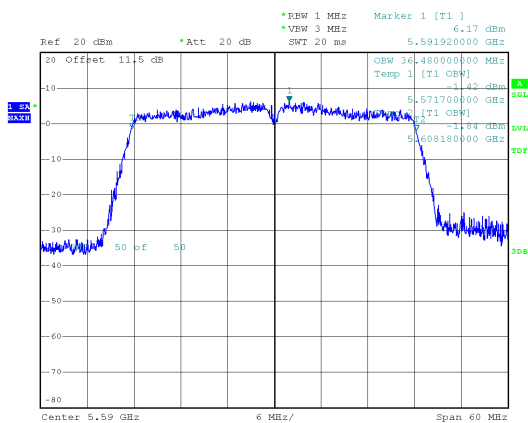
99% Bandwidth Band 3

Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102

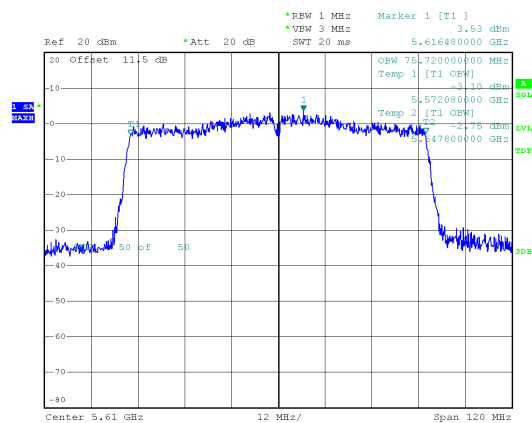
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106



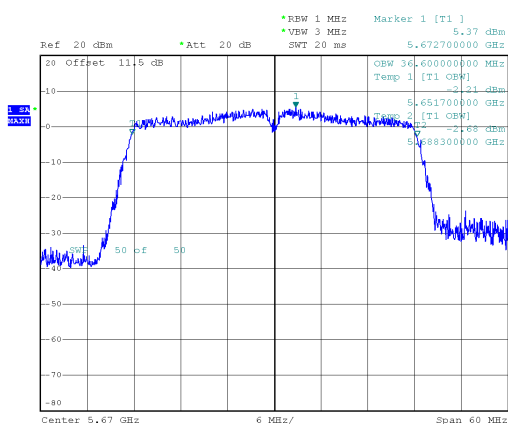
CH110



CH122



CH134





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30degrees as measured from the horizon must not exceed 125 mW (21 dBm).
☒	Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☐	Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
☒	client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



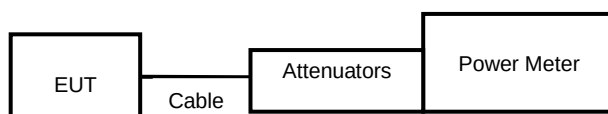
Frequency Band		Limit
☒	5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☒	5.470-5.725 GHz	
☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

10.2.Test Procedure

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11.5 dB (including 10 dB pad and 1.5 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

10.3.Test Setup Layout





10.4.Test Result and Data

In the 5.2GHz Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	36	5180	12.72	12.72	18.707	24.00
11a	6 Mbps	default	40	5200	12.76	12.76	18.880	24.00
11a	6 Mbps	default	48	5240	12.90	12.90	19.498	24.00
11n HT20	MCS 0	default	36	5180	12.30	12.30	16.982	24.00
11n HT20	MCS 0	default	40	5200	12.42	12.42	17.458	24.00
11n HT20	MCS 0	default	48	5240	12.59	12.59	18.155	24.00
11n HT40	MCS 0	default	38	5190	12.44	12.44	17.539	24.00
11n HT40	MCS 0	default	46	5230	12.43	12.43	17.498	24.00
11ac VHT20	NSS1-MCS0	default	36	5180	12.39	12.39	17.338	24.00
11ac VHT20	NSS1-MCS0	default	40	5200	12.51	12.51	17.824	24.00
11ac VHT20	NSS1-MCS0	default	48	5240	12.62	12.62	18.281	24.00
11ac VHT40	NSS1-MCS0	default	38	5190	12.49	12.49	17.742	24.00
11ac VHT40	NSS1-MCS0	default	46	5230	12.58	12.58	18.113	24.00
11ac VHT80	NSS1-MCS0	default	42	5210	12.15	12.15	16.406	24.00



In the 5.3GHz Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	52	5260	12.98	12.98	19.861	24.00
11a	6 Mbps	default	60	5300	12.96	12.96	19.770	24.00
11a	6 Mbps	default	64	5320	12.92	12.92	19.588	24.00
11n HT20	MCS 0	default	52	5260	12.47	12.47	17.660	24.00
11n HT20	MCS 0	default	60	5300	12.45	12.45	17.579	24.00
11n HT20	MCS 0	default	64	5320	12.39	12.39	17.338	24.00
11n HT40	MCS 0	default	54	5270	12.51	12.51	17.824	24.00
11n HT40	MCS 0	default	62	5310	12.57	12.57	18.072	24.00
11ac VHT20	NSS1-MCS0	default	52	5260	12.58	12.58	18.113	24.00
11ac VHT20	NSS1-MCS0	default	60	5300	12.59	12.59	18.155	24.00
11ac VHT20	NSS1-MCS0	default	64	5320	12.52	12.52	17.865	24.00
11ac VHT40	NSS1-MCS0	default	54	5270	12.70	12.70	18.621	24.00
11ac VHT40	NSS1-MCS0	default	62	5310	12.61	12.61	18.239	24.00
11ac VHT80	NSS1-MCS0	default	58	5290	12.28	12.28	16.904	24.00

**In the 5.5GHz Band**

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	100	5500	11.99	11.99	15.812	24.00
11a	6 Mbps	default	120	5600	11.30	11.30	13.490	24.00
11a	6 Mbps	default	140	5700	10.85	10.85	12.162	24.00
11n HT20	MCS 0	default	100	5500	11.58	11.58	14.388	24.00
11n HT20	MCS 0	default	120	5600	10.95	10.95	12.445	24.00
11n HT20	MCS 0	default	140	5700	10.30	10.30	10.715	24.00
11n HT40	MCS 0	default	102	5510	11.68	11.68	14.723	24.00
11n HT40	MCS 0	default	118	5590	11.18	11.18	13.122	24.00
11n HT40	MCS 0	default	134	5670	10.70	10.70	11.749	24.00
11ac VHT20	NSS1-MCS0	default	100	5500	11.71	11.71	14.825	24.00
11ac VHT20	NSS1-MCS0	default	120	5600	11.08	11.08	12.823	24.00
11ac VHT20	NSS1-MCS0	default	140	5700	10.43	10.43	11.041	24.00
11ac VHT40	NSS1-MCS0	default	102	5510	11.80	11.80	15.136	24.00
11ac VHT40	NSS1-MCS0	default	118	5590	11.32	11.32	13.552	24.00
11ac VHT40	NSS1-MCS0	default	134	5670	10.82	10.82	12.078	24.00
11ac VHT80	NSS1-MCS0	default	106	5530	11.13	11.13	12.972	24.00
11ac VHT80	NSS1-MCS0	default	122	5610	10.67	10.67	11.668	24.00

**In the 5.8GHz Band**

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	149	5745	11.11	11.11	12.912	30.00
11a	6 Mbps	default	157	5785	11.03	11.03	12.677	30.00
11a	6 Mbps	default	165	5825	11.09	11.09	12.853	30.00
11n HT20	MCS 0	default	149	5745	10.51	10.51	11.246	30.00
11n HT20	MCS 0	default	157	5785	10.45	10.45	11.092	30.00
11n HT20	MCS 0	default	165	5825	10.62	10.62	11.535	30.00
11n HT40	MCS 0	default	151	5755	10.60	10.60	11.482	30.00
11n HT40	MCS 0	default	159	5795	10.78	10.78	11.967	30.00
11ac VHT20	NSS1-MCS0	default	149	5745	10.63	10.63	11.561	30.00
11ac VHT20	NSS1-MCS0	default	157	5785	10.58	10.58	11.429	30.00
11ac VHT20	NSS1-MCS0	default	165	5825	10.75	10.75	11.885	30.00
11ac VHT40	NSS1-MCS0	default	151	5755	10.75	10.75	11.885	30.00
11ac VHT40	NSS1-MCS0	default	159	5795	10.92	10.92	12.359	30.00
11ac VHT80	NSS1-MCS0	default	155	5775	10.33	10.33	10.789	30.00



11. Maximum Power Spectral Density

11.1. Test Limit

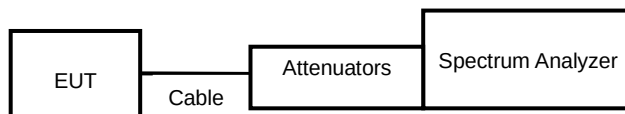
PSD:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	Outdoor access point	17 dBm/MHz
☐	Indoor access point	17 dBm/MHz
☐	Fixed point-to-point access points	17 dBm/MHz
☒	client devices	11 dBm/MHz
☒	5.250~5.350 GHz	11 dBm/MHz
☒	5.470~5.725 GHz	11 dBm/MHz
☒	5.725~5.85 GHz	30 dBm/500kHz

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout





11.4. Test Result and Data

In the 5.2GHzHz Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	36	5180	1.77	1.77	0.14	1.91	11.00
11a	40	5200	1.74	1.74	0.14	1.88	11.00
11a	48	5240	1.94	1.94	0.14	2.08	11.00
11ac VHT20	36	5180	1.16	1.16	0.14	1.30	11.00
11ac VHT20	40	5200	1.25	1.25	0.14	1.39	11.00
11ac VHT20	48	5240	1.15	1.15	0.14	1.29	11.00
11ac VHT40	38	5190	-2.00	-2.00	0.28	-1.72	11.00
11ac VHT40	46	5230	-1.95	-1.95	0.28	-1.67	11.00
11ac VHT80	42	5210	-5.34	-5.34	0.52	-4.82	11.00

In the 5.3GHzHz Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	52	5260	1.93	1.93	0.14	2.07	11.00
11a	60	5300	1.95	1.95	0.14	2.09	11.00
11a	64	5320	1.78	1.78	0.14	1.92	11.00
11ac VHT20	52	5260	1.15	1.15	0.14	1.29	11.00
11ac VHT20	60	5300	1.33	1.33	0.14	1.47	11.00
11ac VHT20	64	5320	1.27	1.27	0.14	1.41	11.00
11ac VHT40	54	5270	-1.63	-1.63	0.28	-1.35	11.00
11ac VHT40	62	5310	-1.78	-1.78	0.28	-1.50	11.00
11ac VHT80	58	5290	-4.91	-4.91	0.52	-4.39	11.00

**In the 5.5GHzHz Band**

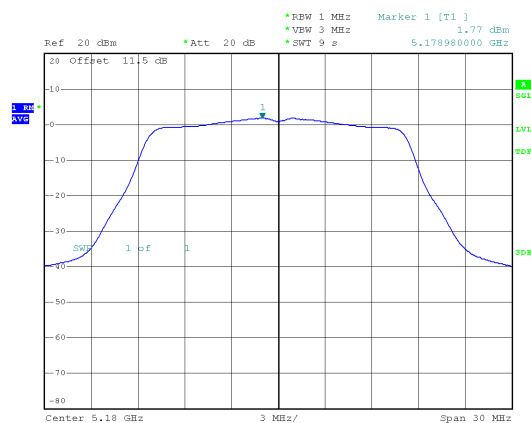
Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	100	5500	2.08	2.08	0.14	2.22	11.00
11a	120	5600	1.72	1.72	0.14	1.86	11.00
11a	140	5700	0.09	0.09	0.14	0.23	11.00
11ac VHT20	100	5500	1.12	1.12	0.14	1.26	11.00
11ac VHT20	120	5600	0.44	0.44	0.14	0.58	11.00
11ac VHT20	140	5700	-0.29	-0.29	0.14	-0.15	11.00
11ac VHT40	102	5510	-1.74	-1.74	0.28	-1.46	11.00
11ac VHT40	118	5590	-2.25	-2.25	0.28	-1.97	11.00
11ac VHT40	134	5670	-3.24	-3.24	0.28	-2.96	11.00
11ac VHT80	106	5530	-4.99	-4.99	0.52	-4.47	11.00
11ac VHT80	122	5610	-5.61	-5.61	0.52	-5.09	11.00

In the 5.8GHzHz Band

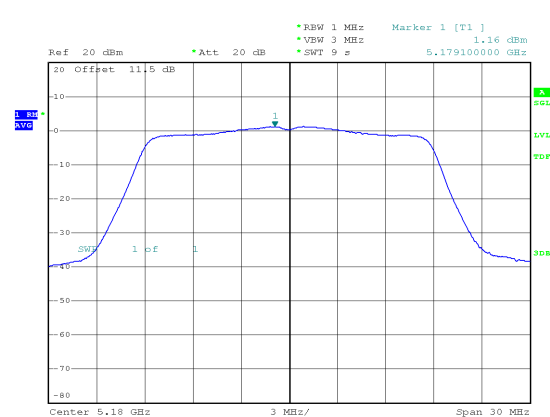
Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	10log (500KHz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT A					
11a	149	5745	0.49	0.49	0.14	-3.01	-2.38	30.00
11a	157	5785	0.52	0.52	0.14	-3.01	-2.35	30.00
11a	165	5825	0.05	0.05	0.14	-3.01	-2.82	30.00
11ac VHT20	149	5745	-0.43	-0.43	0.14	-3.01	-3.30	30.00
11ac VHT20	157	5785	-0.09	-0.09	0.14	-3.01	-2.96	30.00
11ac VHT20	165	5825	-0.53	-0.53	0.14	-3.01	-3.40	30.00
11ac VHT40	151	5755	-3.12	-3.12	0.28	-3.01	-5.85	30.00
11ac VHT40	159	5795	-3.15	-3.15	0.28	-3.01	-5.88	30.00
11ac VHT80	155	5775	-6.69	-6.69	0.52	-3.01	-9.18	30.00



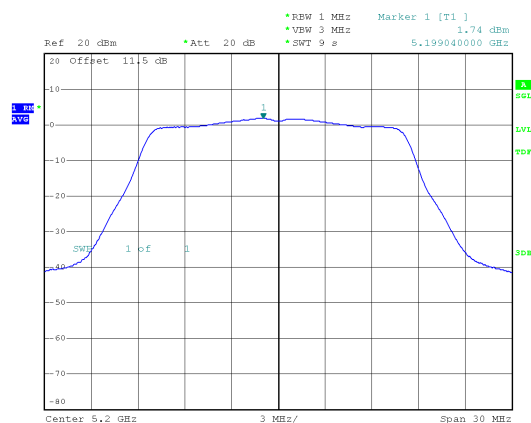
Band 1,
Modulation Type: 802.11a (6Mbps)
CH36



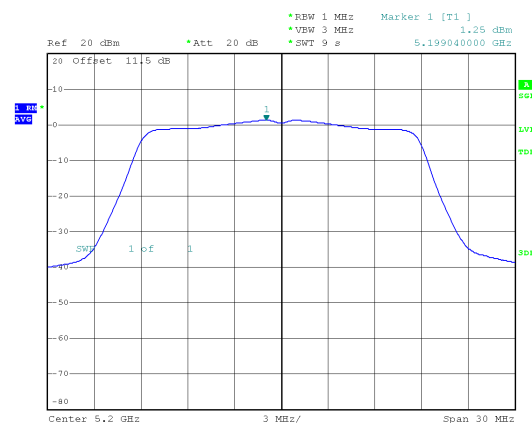
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



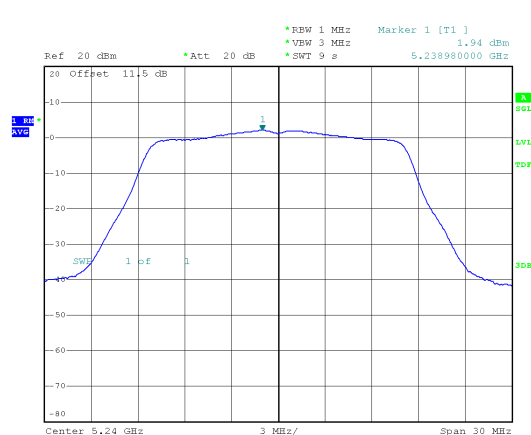
CH40



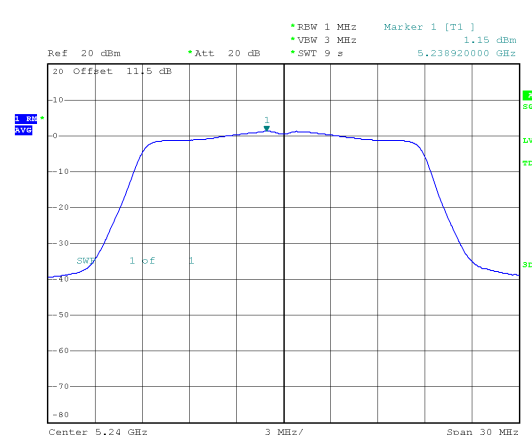
CH40



CH48



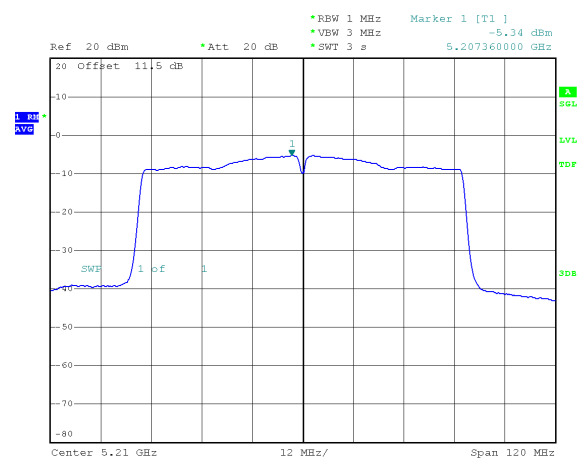
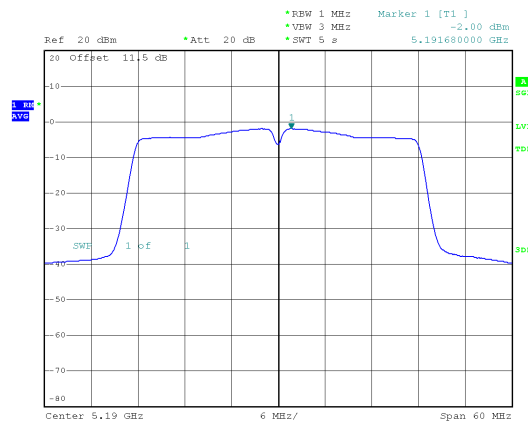
CH48



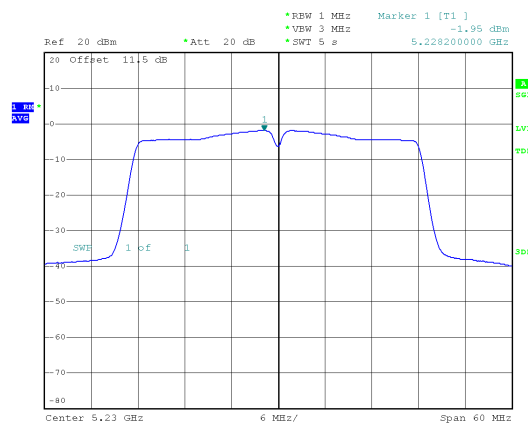


Band 1,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42

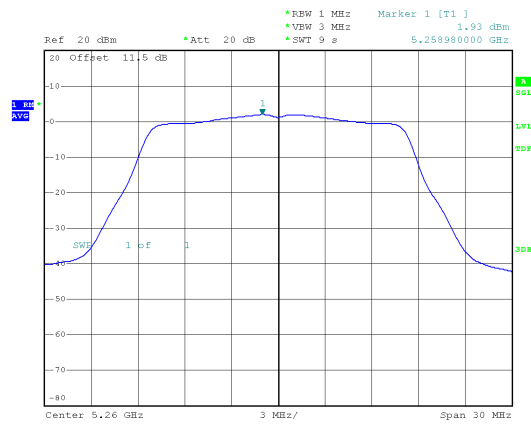


CH46

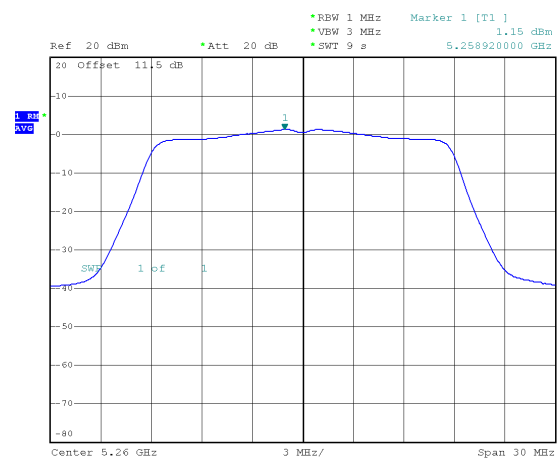




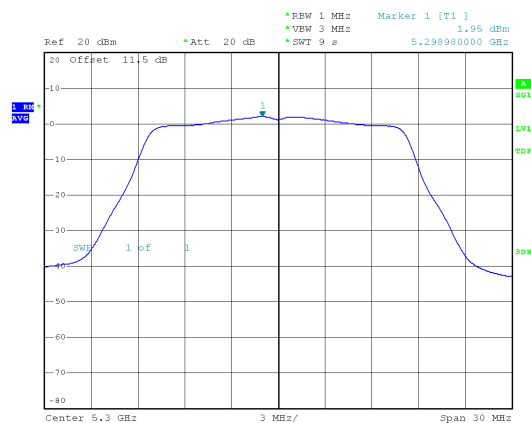
Band 2,
Modulation Type: 802.11a (6Mbps)
CH52



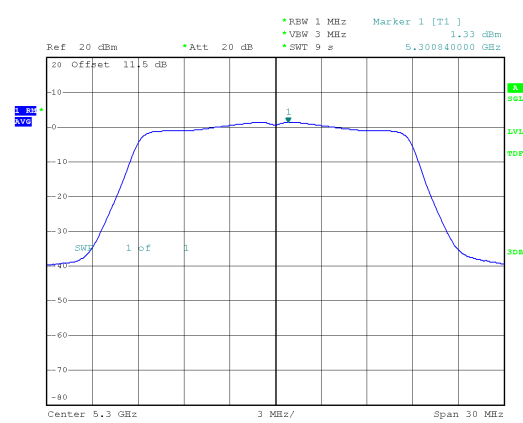
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



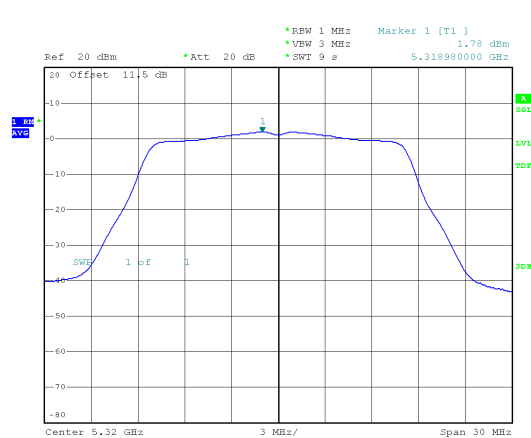
CH60



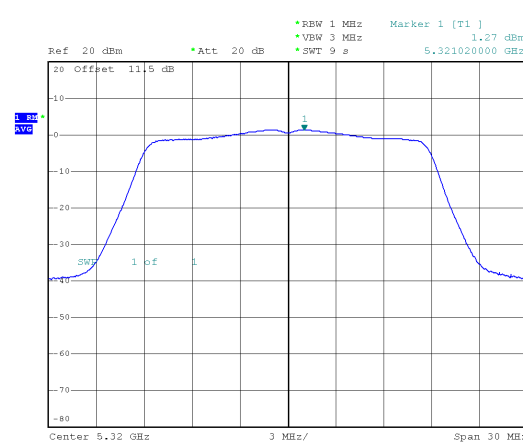
CH60



CH64



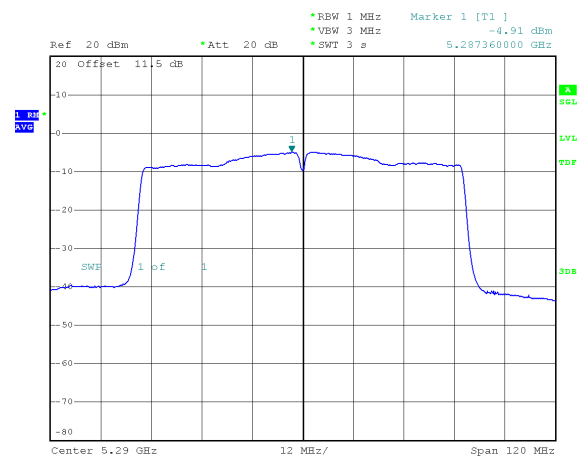
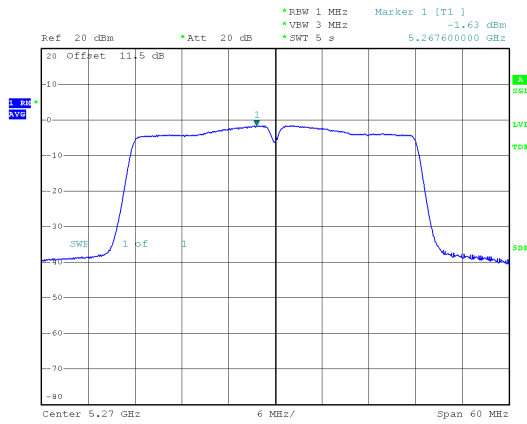
CH64



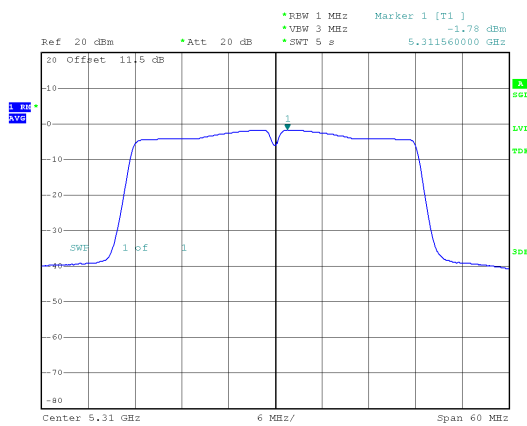


Band 2,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

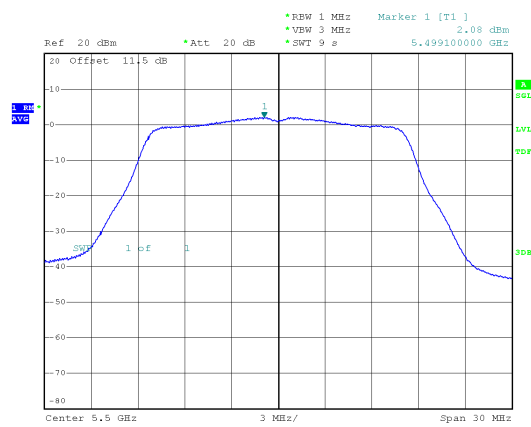


CH62

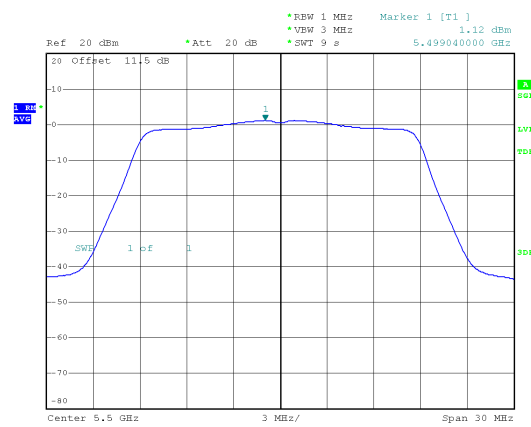




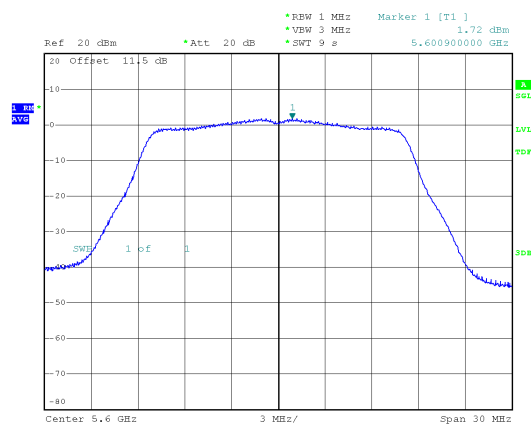
Band 3,
Modulation Type: 802.11a (6Mbps)
CH100



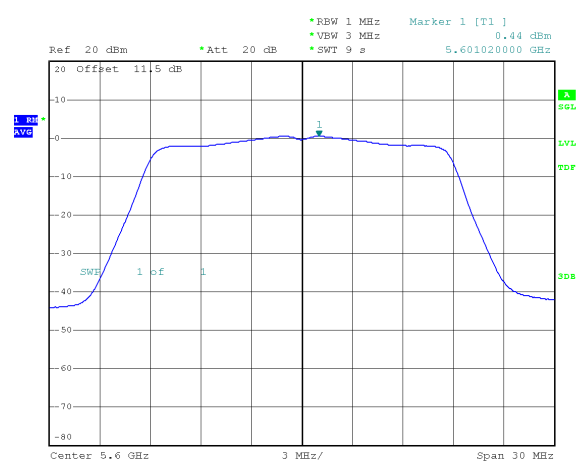
Modulation Type: 802.11ac VHT20 (6Mbps)
CH100



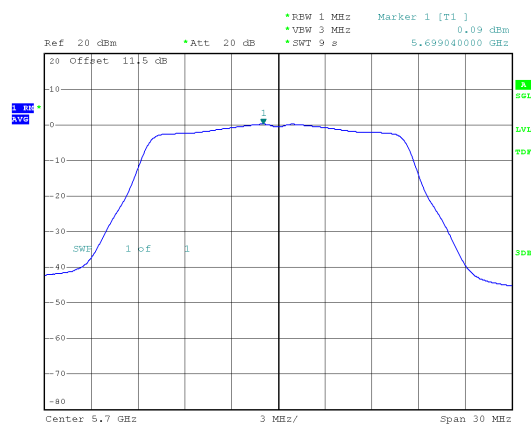
CH120



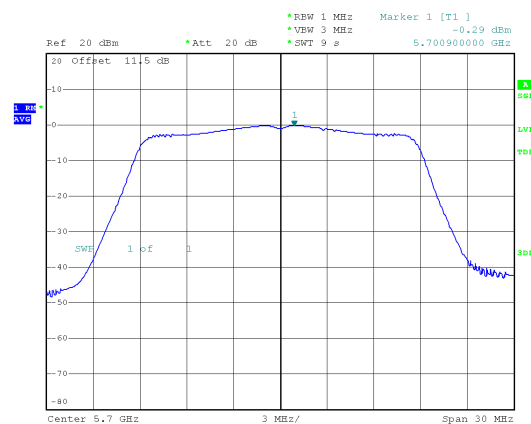
CH120



CH140



CH140

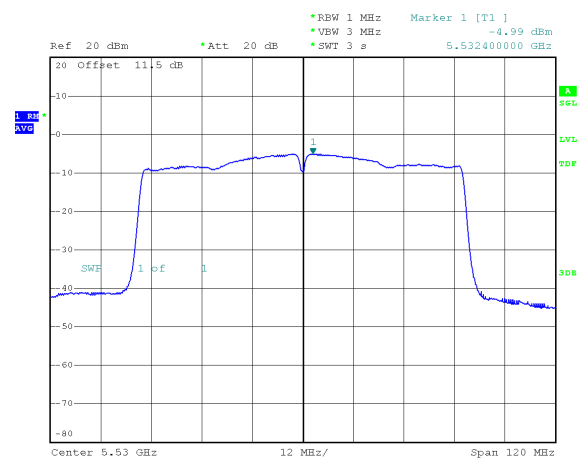
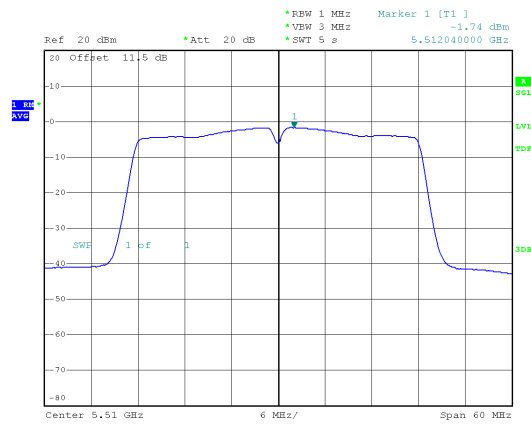




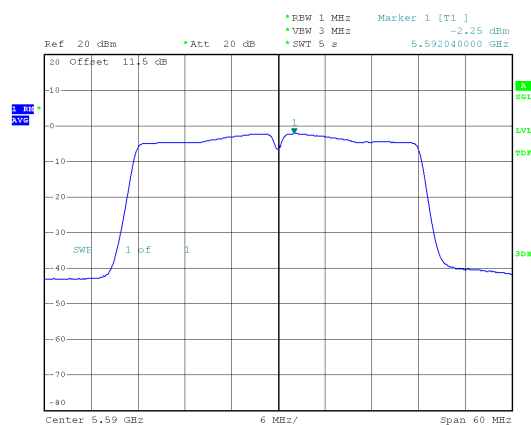
Band 3

Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH102

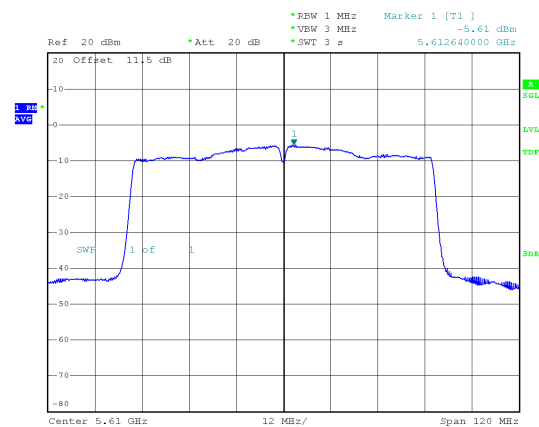
Modulation Type: 802.11ac VHT80 (6.5Mbps)
CH106



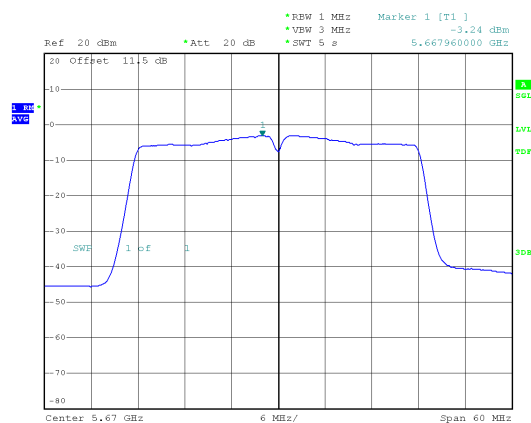
CH118



CH122



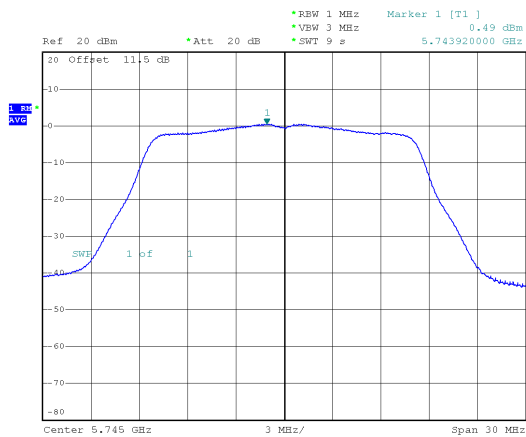
CH134



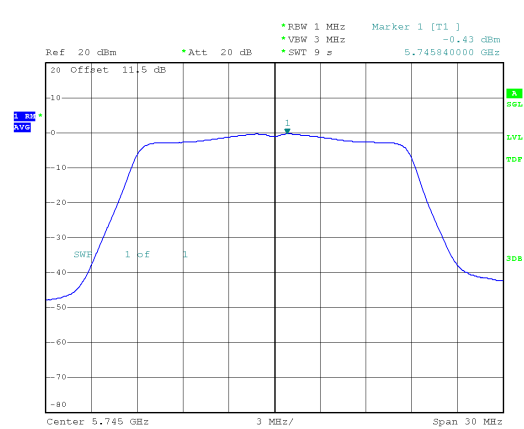


Band 4

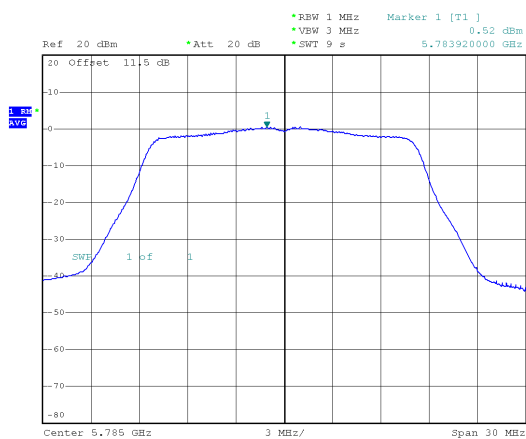
Modulation Type: 802.11a (13.5Mbps)
CH149



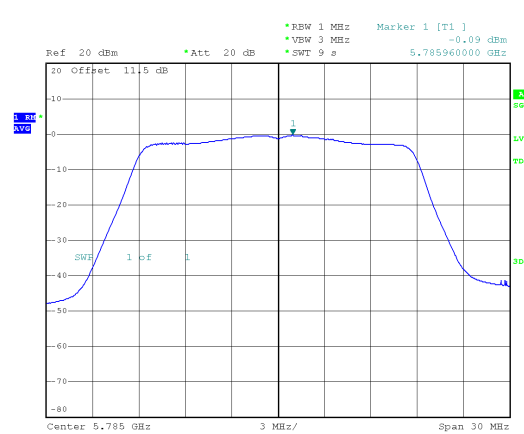
Modulation Type: 802.11ac VHT20 (13.5Mbps)
CH149



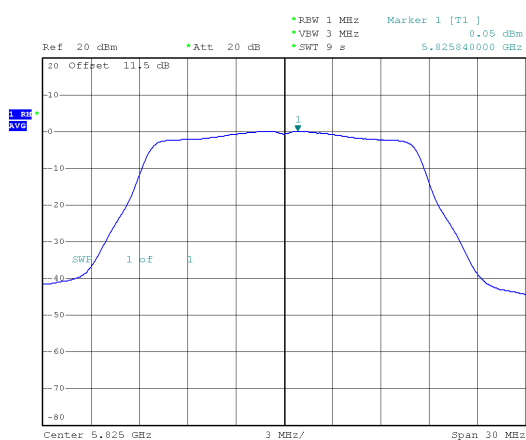
CH157



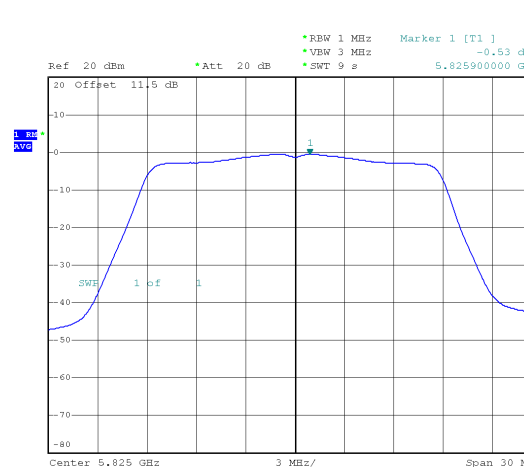
CH157



CH165



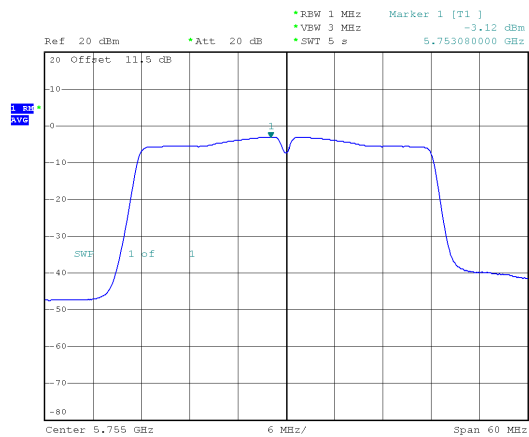
CH165



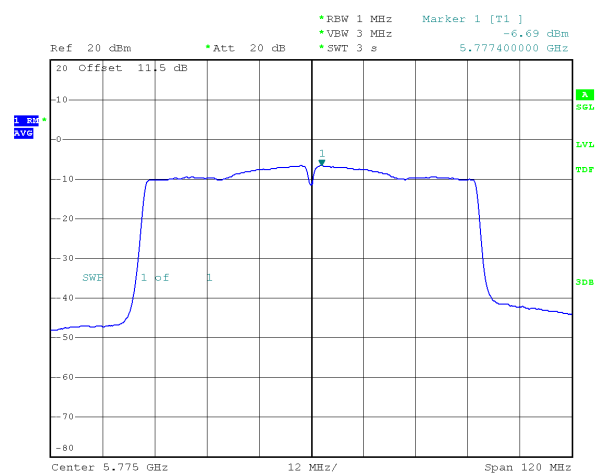


Band 4

Modulation Type: 802.11ac VHT40 (29.3Mbps)
CH151



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH155



CH159

